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

Hit Summary Sheet
SW-846

SDG No.: P4258

Client: Roman E&G Corp

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID:	**Chamberlain Ave**								
P4258-03	Chamberlain Ave	SOIL	Benzene, 1,2,3,5-tetramethyl-	*	9.60	J	0	0	ug/Kg
P4258-03	Chamberlain Ave	SOIL	1-Phenyl-1-butene	*	12.6	J	0	0	ug/Kg
P4258-03	Chamberlain Ave	SOIL	Benzene, 2-ethyl-1,3-dimethyl-	*	16.8	J	0	0	ug/Kg
P4258-03	Chamberlain Ave	SOIL	n-propylbenzene	*	4.50	J	0.73	5.70	ug/Kg
P4258-03	Chamberlain Ave	SOIL	n-Butylbenzene	*	2.60	J	0.72	5.70	ug/Kg
			Total Tics :		46.1				
			Total Concentration:		46.1				

SAMPLE DATA

Raw Data: **VY019765.D**

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

Client:	Roman E&G Corp	Date Collected:	10/01/24
Project:	Perth Amboy	Date Received:	10/01/24
Client Sample ID:	Chamberlain Ave	SDG No.:	P4258
Lab Sample ID:	P4258-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	86
Sample Wt/Vol:	5.08 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
VY019765.D	1		10/02/24 15:23	VY100224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.90	U	1.90	5.70	ug/Kg
74-87-3	Chloromethane	1.30	U	1.30	5.70	ug/Kg
75-01-4	Vinyl Chloride	0.88	U	0.88	5.70	ug/Kg
74-83-9	Bromomethane	1.20	U	1.20	5.70	ug/Kg
75-00-3	Chloroethane	1.20	U	1.20	5.70	ug/Kg
75-69-4	Trichlorofluoromethane	1.00	U	1.00	5.70	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.20	U	1.20	5.70	ug/Kg
75-35-4	1,1-Dichloroethene	0.89	U	0.89	5.70	ug/Kg
67-64-1	Acetone	7.10	U	7.10	28.6	ug/Kg
75-15-0	Carbon Disulfide	1.50	U	1.50	5.70	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.77	U	0.77	5.70	ug/Kg
79-20-9	Methyl Acetate	2.10	U	2.10	5.70	ug/Kg
75-09-2	Methylene Chloride	3.90	U	3.90	11.4	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.96	U	0.96	5.70	ug/Kg
75-34-3	1,1-Dichloroethane	0.72	U	0.72	5.70	ug/Kg
110-82-7	Cyclohexane	0.79	U	0.79	5.70	ug/Kg
78-93-3	2-Butanone	6.50	U	6.50	28.6	ug/Kg
56-23-5	Carbon Tetrachloride	1.00	U	1.00	5.70	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.70	U	0.70	5.70	ug/Kg
74-97-5	Bromochloromethane	2.80	U	2.80	5.70	ug/Kg
67-66-3	Chloroform	0.77	U	0.77	5.70	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.89	U	0.89	5.70	ug/Kg
108-87-2	Methylcyclohexane	1.00	U	1.00	5.70	ug/Kg
71-43-2	Benzene	0.82	U	0.82	5.70	ug/Kg
107-06-2	1,2-Dichloroethane	0.70	U	0.70	5.70	ug/Kg
79-01-6	Trichloroethene	0.86	U	0.86	5.70	ug/Kg
78-87-5	1,2-Dichloropropane	0.76	U	0.76	5.70	ug/Kg
75-27-4	Bromodichloromethane	0.64	U	0.64	5.70	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5.00	U	5.00	28.6	ug/Kg
108-88-3	Toluene	0.77	U	0.77	5.70	ug/Kg

Raw Data: **VY019765.D**

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Report of Analysis

Client:	Roman E&G Corp	Date Collected:	10/01/24
Project:	Perth Amboy	Date Received:	10/01/24
Client Sample ID:	Chamberlain Ave	SDG No.:	P4258
Lab Sample ID:	P4258-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	86
Sample Wt/Vol:	5.08 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
VY019765.D	1		10/02/24 15:23	VY100224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.69	U	0.69	5.70	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.65	U	0.65	5.70	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.96	U	0.96	5.70	ug/Kg
591-78-6	2-Hexanone	5.50	U	5.50	28.6	ug/Kg
124-48-1	Dibromochloromethane	0.74	U	0.74	5.70	ug/Kg
106-93-4	1,2-Dibromoethane	0.90	U	0.90	5.70	ug/Kg
127-18-4	Tetrachloroethene	1.00	U	1.00	5.70	ug/Kg
108-90-7	Chlorobenzene	0.85	U	0.85	5.70	ug/Kg
100-41-4	Ethyl Benzene	0.71	U	0.71	5.70	ug/Kg
179601-23-1	m/p-Xylenes	1.50	U	1.50	11.4	ug/Kg
95-47-6	o-Xylene	0.80	U	0.80	5.70	ug/Kg
100-42-5	Styrene	0.69	U	0.69	5.70	ug/Kg
75-25-2	Bromoform	0.93	U	0.93	5.70	ug/Kg
98-82-8	Isopropylbenzene	0.77	U	0.77	5.70	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.30	U	1.30	5.70	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.85	U	0.85	5.70	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.92	U	0.92	5.70	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.68	U	0.68	5.70	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1.80	5.70	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.90	U	0.90	5.70	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.89	U	0.89	5.70	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.8		50 - 163	106%	SPK: 50
1868-53-7	Dibromofluoromethane	53.2		54 - 147	106%	SPK: 50
2037-26-5	Toluene-d8	53.5		58 - 134	107%	SPK: 50
460-00-4	4-Bromofluorobenzene	37.7		29 - 146	75%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	62000	7.707			
540-36-3	1,4-Difluorobenzene	102000	8.616			
3114-55-4	Chlorobenzene-d5	74700	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	23900	13.34			
TENTATIVE IDENTIFIED COMPOUNDS						

Raw Data: **VY019765.D**

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Report of Analysis

Client:	Roman E&G Corp	Date Collected:	10/01/24
Project:	Perth Amboy	Date Received:	10/01/24
Client Sample ID:	Chamberlain Ave	SDG No.:	P4258
Lab Sample ID:	P4258-03	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	86
Sample Wt/Vol:	5.08 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
VY019765.D	1		10/02/24 15:23	VY100224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
103-65-1	n-propylbenzene	4.50	J		12.6	ug/Kg
104-51-8	n-Butylbenzene	2.60	J		13.6	ug/Kg
002870-04-4	Benzene, 2-ethyl-1,3-dimethyl-	16.8	J		13.9	ug/Kg
000527-53-7	Benzene, 1,2,3,5-tetramethyl-	9.60	J		14.2	ug/Kg
000824-90-8	1-Phenyl-1-butene	12.6	J		14.6	ug/Kg

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

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

Raw Data: **VY019780.D**

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

Report of Analysis

Client:	Roman E&G Corp	Date Collected:	10/01/24
Project:	Perth Amboy	Date Received:	10/01/24
Client Sample ID:	Chamberlain AveRE	SDG No.:	P4258
Lab Sample ID:	P4258-03RE	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	86
Sample Wt/Vol:	4.99 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY019780.D	1		10/03/24 12:10	VY100324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.90	U	1.90	5.80	ug/Kg
74-87-3	Chloromethane	1.40	U	1.40	5.80	ug/Kg
75-01-4	Vinyl Chloride	0.90	U	0.90	5.80	ug/Kg
74-83-9	Bromomethane	1.20	U	1.20	5.80	ug/Kg
75-00-3	Chloroethane	1.20	U	1.20	5.80	ug/Kg
75-69-4	Trichlorofluoromethane	1.10	U	1.10	5.80	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.20	U	1.20	5.80	ug/Kg
75-35-4	1,1-Dichloroethene	0.91	U	0.91	5.80	ug/Kg
67-64-1	Acetone	7.30	U	7.30	29.1	ug/Kg
75-15-0	Carbon Disulfide	1.50	U	1.50	5.80	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.78	U	0.78	5.80	ug/Kg
79-20-9	Methyl Acetate	2.10	U	2.10	5.80	ug/Kg
75-09-2	Methylene Chloride	4.00	U	4.00	11.7	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.98	U	0.98	5.80	ug/Kg
75-34-3	1,1-Dichloroethane	0.73	U	0.73	5.80	ug/Kg
110-82-7	Cyclohexane	0.80	U	0.80	5.80	ug/Kg
78-93-3	2-Butanone	6.60	U	6.60	29.1	ug/Kg
56-23-5	Carbon Tetrachloride	1.00	U	1.00	5.80	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.71	U	0.71	5.80	ug/Kg
74-97-5	Bromochloromethane	2.80	U	2.80	5.80	ug/Kg
67-66-3	Chloroform	0.78	U	0.78	5.80	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.91	U	0.91	5.80	ug/Kg
108-87-2	Methylcyclohexane	1.00	U	1.00	5.80	ug/Kg
71-43-2	Benzene	0.84	U	0.84	5.80	ug/Kg
107-06-2	1,2-Dichloroethane	0.71	U	0.71	5.80	ug/Kg
79-01-6	Trichloroethene	0.87	U	0.87	5.80	ug/Kg
78-87-5	1,2-Dichloropropane	0.77	U	0.77	5.80	ug/Kg
75-27-4	Bromodichloromethane	0.65	U	0.65	5.80	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5.10	U	5.10	29.1	ug/Kg
108-88-3	Toluene	0.78	U	0.78	5.80	ug/Kg

Raw Data: **VY019780.D**

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

Report of Analysis

Client:	Roman E&G Corp	Date Collected:	10/01/24
Project:	Perth Amboy	Date Received:	10/01/24
Client Sample ID:	Chamberlain AveRE	SDG No.:	P4258
Lab Sample ID:	P4258-03RE	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	86
Sample Wt/Vol:	4.99 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY019780.D	1		10/03/24 12:10	VY100324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.70	U	0.70	5.80	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.66	U	0.66	5.80	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.98	U	0.98	5.80	ug/Kg
591-78-6	2-Hexanone	5.60	U	5.60	29.1	ug/Kg
124-48-1	Dibromochloromethane	0.76	U	0.76	5.80	ug/Kg
106-93-4	1,2-Dibromoethane	0.92	U	0.92	5.80	ug/Kg
127-18-4	Tetrachloroethene	1.00	U	1.00	5.80	ug/Kg
108-90-7	Chlorobenzene	0.86	U	0.86	5.80	ug/Kg
100-41-4	Ethyl Benzene	0.72	U	0.72	5.80	ug/Kg
179601-23-1	m/p-Xylenes	1.60	U	1.60	11.7	ug/Kg
95-47-6	o-Xylene	0.82	U	0.82	5.80	ug/Kg
100-42-5	Styrene	0.70	U	0.70	5.80	ug/Kg
75-25-2	Bromoform	0.94	U	0.94	5.80	ug/Kg
98-82-8	Isopropylbenzene	0.78	U	0.78	5.80	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.30	U	1.30	5.80	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.86	U	0.86	5.80	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.93	U	0.93	5.80	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.69	U	0.69	5.80	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1.80	5.80	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.92	U	0.92	5.80	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.91	U	0.91	5.80	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	62.2		50 - 163	124%	SPK: 50
1868-53-7	Dibromofluoromethane	57.0		54 - 147	114%	SPK: 50
2037-26-5	Toluene-d8	54.2		58 - 134	108%	SPK: 50
460-00-4	4-Bromofluorobenzene	40.5		29 - 146	81%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	82800	7.707			
540-36-3	1,4-Difluorobenzene	150000	8.616			
3114-55-4	Chlorobenzene-d5	119000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	38500	13.346			

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Report of Analysis

Client:	Roman E&G Corp	Date Collected:	10/01/24
Project:	Perth Amboy	Date Received:	10/01/24
Client Sample ID:	Chamberlain AveRE	SDG No.:	P4258
Lab Sample ID:	P4258-03RE	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	86
Sample Wt/Vol:	4.99 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY019780.D	1		10/03/24 12:10	VY100324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

QC SUMMARY

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

SDG No.: P4258

Client: Roman E&G Corp

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
P4258-03	Chamberlain Ave	1,2-Dichloroethane-d4	50	52.8	106	50	163
		Dibromofluoromethane	50	53.2	106	54	147
		Toluene-d8	50	53.5	107	58	134
		4-Bromofluorobenzene	50	37.7	75	29	146
P4258-03RE	Chamberlain AveRE	1,2-Dichloroethane-d4	50	62.2	124	50	163
		Dibromofluoromethane	50	57.0	114	54	147
		Toluene-d8	50	54.2	108	58	134
		4-Bromofluorobenzene	50	40.5	81	29	146
VY1002SBL01	VY1002SBL01	1,2-Dichloroethane-d4	50	63.4	127	50	163
		Dibromofluoromethane	50	55.5	111	54	147
		Toluene-d8	50	56.5	113	58	134
		4-Bromofluorobenzene	50	46.1	92	29	146
VY1002SBS02	VY1002SBS02	1,2-Dichloroethane-d4	50	59.7	119	50	163
		Dibromofluoromethane	50	54.0	108	54	147
		Toluene-d8	50	52.1	104	58	134
		4-Bromofluorobenzene	50	49.7	99	29	146
VY1002SBSD02	VY1002SBSD02	1,2-Dichloroethane-d4	50	55.1	110	50	163
		Dibromofluoromethane	50	50.5	101	54	147
		Toluene-d8	50	49.1	98	58	134
		4-Bromofluorobenzene	50	46.1	92	29	146
VY1003SBL01	VY1003SBL01	1,2-Dichloroethane-d4	50	61.3	123	50	163
		Dibromofluoromethane	50	55.4	111	54	147
		Toluene-d8	50	56.9	114	58	134
		4-Bromofluorobenzene	50	46.3	93	29	146
VY1003SBS01	VY1003SBS01	1,2-Dichloroethane-d4	50	60.2	120	50	163
		Dibromofluoromethane	50	56.9	114	54	147
		Toluene-d8	50	55.6	111	58	134
		4-Bromofluorobenzene	50	52.5	105	29	146

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4258

Client: Roman E&G Corp

Analytical Method: SW8260D **Datafile :** VY019769.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1002SBS02	Dichlorodifluoromethane	20	20.4	ug/Kg	102			64	136	
	Chloromethane	20	19.3	ug/Kg	97			70	130	
	Vinyl chloride	20	20.6	ug/Kg	103			72	129	
	Bromomethane	20	23.1	ug/Kg	116			58	141	
	Chloroethane	20	21.6	ug/Kg	108			69	130	
	Trichlorofluoromethane	20	21.4	ug/Kg	107			69	134	
	1,1,2-Trichlorotrifluoroethane	20	21.8	ug/Kg	109			81	123	
	1,1-Dichloroethene	20	18.9	ug/Kg	95			79	121	
	Acetone	100	130	ug/Kg	130			60	131	
	Carbon disulfide	20	12.8	ug/Kg	64			45	154	
	Methyl tert-butyl Ether	20	23.1	ug/Kg	116			77	129	
	Methyl Acetate	20	22.4	ug/Kg	112			69	149	
	Methylene Chloride	20	22.7	ug/Kg	114			56	174	
	trans-1,2-Dichloroethene	20	18.7	ug/Kg	94			80	123	
	1,1-Dichloroethane	20	22.4	ug/Kg	112			82	123	
	Cyclohexane	20	17.7	ug/Kg	89			76	122	
	2-Butanone	100	120	ug/Kg	120			69	131	
	Carbon Tetrachloride	20	20.3	ug/Kg	102			76	129	
	cis-1,2-Dichloroethene	20	21.6	ug/Kg	108			82	123	
	Bromochloromethane	20	21.5	ug/Kg	108			80	127	
	Chloroform	20	23.8	ug/Kg	119			82	125	
	1,1,1-Trichloroethane	20	22.5	ug/Kg	113			80	126	
	Methylcyclohexane	20	17.4	ug/Kg	87			77	123	
	Benzene	20	20.3	ug/Kg	102			84	121	
	1,2-Dichloroethane	20	23.0	ug/Kg	115			81	126	
	Trichloroethene	20	19.5	ug/Kg	98			83	122	
	1,2-Dichloropropane	20	22.3	ug/Kg	112			83	122	
	Bromodichloromethane	20	22.7	ug/Kg	114			82	123	
	4-Methyl-2-Pentanone	100	110	ug/Kg	110			70	135	
	Toluene	20	20.5	ug/Kg	103			83	122	
	t-1,3-Dichloropropene	20	20.7	ug/Kg	104			78	124	
	cis-1,3-Dichloropropene	20	20.5	ug/Kg	103			81	122	
	1,1,2-Trichloroethane	20	23.0	ug/Kg	115			82	125	
	2-Hexanone	100	110	ug/Kg	110			66	138	
	Dibromochloromethane	20	21.7	ug/Kg	109			79	125	
	1,2-Dibromoethane	20	21.6	ug/Kg	108			80	125	
	Tetrachloroethene	20	20.7	ug/Kg	104			83	125	
	Chlorobenzene	20	21.5	ug/Kg	108			84	122	
	Ethyl Benzene	20	21.1	ug/Kg	106			82	124	
	m/p-Xylenes	40	40.9	ug/Kg	102			83	124	
	o-Xylene	20	20.8	ug/Kg	104			83	123	
	Styrene	20	21.0	ug/Kg	105			82	124	
	Bromoform	20	21.0	ug/Kg	105			75	127	
	Isopropylbenzene	20	21.2	ug/Kg	106			82	124	
	1,1,2,2-Tetrachloroethane	20	23.0	ug/Kg	115			77	127	
	1,3-Dichlorobenzene	20	21.3	ug/Kg	106			83	122	
	1,4-Dichlorobenzene	20	21.3	ug/Kg	106			84	121	
	1,2-Dichlorobenzene	20	21.5	ug/Kg	108			83	124	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4258

Client: Roman E&G Corp

Analytical Method: SW8260D **Datafile :** VY019769.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1002SBS02	1,2-Dibromo-3-Chloropropane	20	21.4	ug/Kg	107			66	134	
	1,2,4-Trichlorobenzene	20	19.0	ug/Kg	95			78	127	
	1,2,3-Trichlorobenzene	20	18.9	ug/Kg	95			70	137	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4258

Client: Roman E&G Corp

Analytical Method: SW8260D **Datafile :** VY019770.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1002SBSD02	Dichlorodifluoromethane	20	21.0	ug/Kg	105	3		64	136	20
	Chloromethane	20	18.6	ug/Kg	93	4		70	130	20
	Vinyl chloride	20	20.3	ug/Kg	102	1		72	129	20
	Bromomethane	20	22.8	ug/Kg	114	2		58	141	20
	Chloroethane	20	23.3	ug/Kg	117	8		69	130	20
	Trichlorofluoromethane	20	21.6	ug/Kg	108	1		69	134	20
	1,1,2-Trichlorotrifluoroethane	20	21.8	ug/Kg	109	0		81	123	20
	1,1-Dichloroethene	20	19.1	ug/Kg	96	1		79	121	20
	Acetone	100	120	ug/Kg	120	8		60	131	20
	Carbon disulfide	20	12.8	ug/Kg	64	0		45	154	20
	Methyl tert-butyl Ether	20	22.9	ug/Kg	115	1		77	129	20
	Methyl Acetate	20	22.0	ug/Kg	110	2		69	149	20
	Methylene Chloride	20	24.3	ug/Kg	121	6		56	174	20
	trans-1,2-Dichloroethene	20	19.1	ug/Kg	96	2		80	123	20
	1,1-Dichloroethane	20	22.8	ug/Kg	114	2		82	123	20
	Cyclohexane	20	18.1	ug/Kg	91	2		76	122	20
	2-Butanone	100	120	ug/Kg	120	0		69	131	20
	Carbon Tetrachloride	20	20.4	ug/Kg	102	0		76	129	20
	cis-1,2-Dichloroethene	20	21.9	ug/Kg	110	2		82	123	20
	Bromochloromethane	20	23.1	ug/Kg	116	7		80	127	20
	Chloroform	20	24.1	ug/Kg	121	2		82	125	20
	1,1,1-Trichloroethane	20	22.5	ug/Kg	113	0		80	126	20
	Methylcyclohexane	20	17.6	ug/Kg	88	1		77	123	20
	Benzene	20	20.6	ug/Kg	103	1		84	121	20
	1,2-Dichloroethane	20	22.6	ug/Kg	113	2		81	126	20
	Trichloroethene	20	20.0	ug/Kg	100	2		83	122	20
	1,2-Dichloropropane	20	22.2	ug/Kg	111	1		83	122	20
	Bromodichloromethane	20	22.9	ug/Kg	115	1		82	123	20
	4-Methyl-2-Pentanone	100	110	ug/Kg	110	0		70	135	20
	Toluene	20	20.9	ug/Kg	104	1		83	122	20
	t-1,3-Dichloropropene	20	20.5	ug/Kg	103	1		78	124	20
	cis-1,3-Dichloropropene	20	20.5	ug/Kg	103	0		81	122	20
	1,1,2-Trichloroethane	20	22.9	ug/Kg	115	0		82	125	20
	2-Hexanone	100	110	ug/Kg	110	0		66	138	20
	Dibromochloromethane	20	22.1	ug/Kg	111	2		79	125	20
	1,2-Dibromoethane	20	21.1	ug/Kg	106	2		80	125	20
	Tetrachloroethene	20	20.6	ug/Kg	103	1		83	125	20
	Chlorobenzene	20	22.1	ug/Kg	111	3		84	122	20
	Ethyl Benzene	20	21.9	ug/Kg	110	4		82	124	20
	m/p-Xylenes	40	42.4	ug/Kg	106	4		83	124	20
	o-Xylene	20	21.4	ug/Kg	107	3		83	123	20
	Styrene	20	21.6	ug/Kg	108	3		82	124	20
	Bromoform	20	21.1	ug/Kg	106	1		75	127	20
	Isopropylbenzene	20	22.7	ug/Kg	114	7		82	124	20
	1,1,2,2-Tetrachloroethane	20	23.9	ug/Kg	119	3		77	127	20
	1,3-Dichlorobenzene	20	22.9	ug/Kg	115	8		83	122	20
	1,4-Dichlorobenzene	20	22.9	ug/Kg	115	8		84	121	20
	1,2-Dichlorobenzene	20	22.8	ug/Kg	114	5		83	124	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4258

Client: Roman E&G Corp

Analytical Method: SW8260D **Datafile :** VY019770.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1002SBSD02	1,2-Dibromo-3-Chloropropane	20	22.6	ug/Kg	113	5		66	134	20
	1,2,4-Trichlorobenzene	20	20.1	ug/Kg	101	6		78	127	20
	1,2,3-Trichlorobenzene	20	19.7	ug/Kg	99	4		70	137	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4258

Client: Roman E&G Corp

Analytical Method: SW8260D **Datafile :** VY019778.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1003SBS01	Dichlorodifluoromethane	20	20.3	ug/Kg	102			64	136	
	Chloromethane	20	17.2	ug/Kg	86			70	130	
	Vinyl chloride	20	18.8	ug/Kg	94			72	129	
	Bromomethane	20	21.7	ug/Kg	109			58	141	
	Chloroethane	20	21.0	ug/Kg	105			69	130	
	Trichlorofluoromethane	20	20.6	ug/Kg	103			69	134	
	1,1,2-Trichlorotrifluoroethane	20	21.4	ug/Kg	107			81	123	
	1,1-Dichloroethene	20	18.5	ug/Kg	93			79	121	
	Acetone	100	130	ug/Kg	130			60	131	
	Carbon disulfide	20	11.8	ug/Kg	59			45	154	
	Methyl tert-butyl Ether	20	21.1	ug/Kg	106			77	129	
	Methyl Acetate	20	18.0	ug/Kg	90			69	149	
	Methylene Chloride	20	19.9	ug/Kg	100			56	174	
	trans-1,2-Dichloroethene	20	18.4	ug/Kg	92			80	123	
	1,1-Dichloroethane	20	21.8	ug/Kg	109			82	123	
	Cyclohexane	20	17.4	ug/Kg	87			76	122	
	2-Butanone	100	110	ug/Kg	110			69	131	
	Carbon Tetrachloride	20	19.9	ug/Kg	100			76	129	
	cis-1,2-Dichloroethene	20	20.9	ug/Kg	104			82	123	
	Bromochloromethane	20	21.1	ug/Kg	106			80	127	
	Chloroform	20	22.8	ug/Kg	114			82	125	
	1,1,1-Trichloroethane	20	22.0	ug/Kg	110			80	126	
	Methylcyclohexane	20	16.9	ug/Kg	85			77	123	
	Benzene	20	20.1	ug/Kg	101			84	121	
	1,2-Dichloroethane	20	21.5	ug/Kg	108			81	126	
	Trichloroethene	20	19.3	ug/Kg	97			83	122	
	1,2-Dichloropropane	20	21.2	ug/Kg	106			83	122	
	Bromodichloromethane	20	21.8	ug/Kg	109			82	123	
	4-Methyl-2-Pentanone	100	96.9	ug/Kg	97			70	135	
	Toluene	20	19.7	ug/Kg	99			83	122	
	t-1,3-Dichloropropene	20	19.7	ug/Kg	99			78	124	
	cis-1,3-Dichloropropene	20	19.5	ug/Kg	98			81	122	
	1,1,2-Trichloroethane	20	21.4	ug/Kg	107			82	125	
	2-Hexanone	100	98.3	ug/Kg	98			66	138	
	Dibromochloromethane	20	20.6	ug/Kg	103			79	125	
	1,2-Dibromoethane	20	19.2	ug/Kg	96			80	125	
	Tetrachloroethene	20	18.8	ug/Kg	94			83	125	
	Chlorobenzene	20	21.1	ug/Kg	106			84	122	
	Ethyl Benzene	20	20.7	ug/Kg	104			82	124	
	m/p-Xylenes	40	40.4	ug/Kg	101			83	124	
	o-Xylene	20	20.6	ug/Kg	103			83	123	
	Styrene	20	20.4	ug/Kg	102			82	124	
	Bromoform	20	19.1	ug/Kg	96			75	127	
	Isopropylbenzene	20	22.1	ug/Kg	111			82	124	
	1,1,2,2-Tetrachloroethane	20	21.5	ug/Kg	108			77	127	
	1,3-Dichlorobenzene	20	21.7	ug/Kg	109			83	122	
	1,4-Dichlorobenzene	20	21.7	ug/Kg	109			84	121	
	1,2-Dichlorobenzene	20	21.6	ug/Kg	108			83	124	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: P4258

Client: Roman E&G Corp

Analytical Method: SW8260D **Datafile :** VY019778.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY1003SBS01	1,2-Dibromo-3-Chloropropane	20	19.8	ug/Kg	99			66	134	
	1,2,4-Trichlorobenzene	20	19.3	ug/Kg	97			78	127	
	1,2,3-Trichlorobenzene	20	18.8	ug/Kg	94			70	137	

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY1002SBL01

Lab Name: CHEMTECH Contract: ROMA02

Lab Code: CHEM Case No.: P4258 SAS No.: P4258 SDG NO.: P4258

Lab File ID: VY019757.D Lab Sample ID: VY1002SBL01

Date Analyzed: 10/02/2024 Time Analyzed: 10:13

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
Chamberlain Ave	P4258-03	VY019765.D	10/02/2024
VY1002SBS02	VY1002SBS02	VY019769.D	10/02/2024
VY1002SBSD02	VY1002SBSD02	VY019770.D	10/02/2024

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY1003SBL01

Lab Name: CHEMTECH Contract: ROMA02

Lab Code: CHEM Case No.: P4258 SAS No.: P4258 SDG NO.: P4258

Lab File ID: VY019777.D Lab Sample ID: VY1003SBL01

Date Analyzed: 10/03/2024 Time Analyzed: 10:17

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
VY1003SBS01	VY1003SBS01	VY019778.D	10/03/2024
Chamberlain AveRE	P4258-03RE	VY019780.D	10/03/2024

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: ROMA02

Lab Code: CHEM Case No.: P4258 SAS No.: P4258 SDG NO.: P4258

Lab File ID: VY019453.D BFB Injection Date: 09/09/2024

Instrument ID: MSVOA_Y BFB Injection Time: 09:20

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	18.8
75	30.0 - 60.0% of mass 95	50.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.7 (0.9) 1
174	50.0 - 100.0% of mass 95	73.9
175	5.0 - 9.0% of mass 174	5.5 (7.5) 1
176	95.0 - 101.0% of mass 174	70.3 (95.1) 1
177	5.0 - 9.0% of mass 176	4.6 (6.6) 2

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

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VY019454.D	09/09/2024	09:52
VSTDICC010	VSTDICC010	VY019455.D	09/09/2024	10:15
VSTDICC020	VSTDICC020	VY019456.D	09/09/2024	10:44
VSTDICCC050	VSTDICCC050	VY019457.D	09/09/2024	11:07
VSTDICC100	VSTDICC100	VY019458.D	09/09/2024	11:29
VSTDICC150	VSTDICC150	VY019459.D	09/09/2024	11:53

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: ROMA02

Lab Code: CHEM Case No.: P4258 SAS No.: P4258 SDG NO.: P4258

Lab File ID: VY019755.D BFB Injection Date: 10/02/2024

Instrument ID: MSVOA_Y BFB Injection Time: 08:37

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	20.9
75	30.0 - 60.0% of mass 95	54.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.7 (0.9) 1
174	50.0 - 100.0% of mass 95	70.4
175	5.0 - 9.0% of mass 174	5.1 (7.3) 1
176	95.0 - 101.0% of mass 174	67.3 (95.6) 1
177	5.0 - 9.0% of mass 176	4.5 (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
VSTDCCC050	VSTDCCC050	VY019756.D	10/02/2024	09:39
VY1002SBL01	VY1002SBL01	VY019757.D	10/02/2024	10:13
Chamberlain Ave	P4258-03	VY019765.D	10/02/2024	15:23
VY1002SBS02	VY1002SBS02	VY019769.D	10/02/2024	16:56
VY1002SBSD02	VY1002SBSD02	VY019770.D	10/02/2024	17:19

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: ROMA02

Lab Code: CHEM Case No.: P4258 SAS No.: P4258 SDG NO.: P4258

Lab File ID: VY019775.D BFB Injection Date: 10/03/2024

Instrument ID: MSVOA_Y BFB Injection Time: 08:34

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	53.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.7 (0.9) 1
174	50.0 - 100.0% of mass 95	74.5
175	5.0 - 9.0% of mass 174	6 (8) 1
176	95.0 - 101.0% of mass 174	72.5 (97.3) 1
177	5.0 - 9.0% of mass 176	4.8 (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	VY019776.D	10/03/2024	09:44
VY1003SBL01	VY1003SBL01	VY019777.D	10/03/2024	10:17
VY1003SBS01	VY1003SBS01	VY019778.D	10/03/2024	11:01
Chamberlain AveRE	P4258-03RE	VY019780.D	10/03/2024	12:10

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: ROMA02

Lab Code: CHEM Case No.: P4258 SAS No.: P4258 SDG NO.: P4258

Lab File ID: VY019756.D Date Analyzed: 10/02/2024

Instrument ID: MSVOA_Y Time Analyzed: 09:39

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	313908	7.71	532797	8.62	452211	11.41
UPPER LIMIT	627816	8.207	1065590	9.116	904422	11.914
LOWER LIMIT	156954	7.207	266399	8.116	226106	10.914
EPA SAMPLE NO.						
Chamberlain Ave	61958 *	7.71	102249 *	8.62	74657 *	11.41
VY1002SBL01	286214	7.71	551968	8.62	482661	11.41
VY1002SBS02	265847	7.71	469139	8.62	394802	11.41
VY1002SBSD02	278113	7.71	490887	8.62	408200	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: ROMA02

Lab Code: CHEM Case No.: P4258 SAS No.: P4258 SDG NO.: P4258

Lab File ID: VY019756.D Date Analyzed: 10/02/2024

Instrument ID: MSVOA_Y Time Analyzed: 09:39

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

	IS4 AREA #		RT #				
12 HOUR STD	212843		13.346				
UPPER LIMIT	425686		13.846				
LOWER LIMIT	106422		12.846				
EPA SAMPLE NO.							
Chamberlain Ave	23916	*	13.34				
VY1002SBL01	169673		13.35				
VY1002SBS02	189008		13.34				
VY1002SBSD02	189650		13.34				

IS4 = 1,4-Dichlorobenzene-d4

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

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: ROMA02

Lab Code: CHEM Case No.: P4258 SAS No.: P4258 SDG NO.: P4258

Lab File ID: VY019776.D Date Analyzed: 10/03/2024

Instrument ID: MSVOA_Y Time Analyzed: 09:44

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	277386	7.71	478984	8.62	402421	11.41
UPPER LIMIT	554772	8.213	957968	9.116	804842	11.914
LOWER LIMIT	138693	7.213	239492	8.116	201211	10.914
EPA SAMPLE NO.						
Chamberlain AveRE	82774 *	7.71	150343 *	8.62	119106 *	11.41
VY1003SBL01	267988	7.71	512122	8.62	450147	11.41
VY1003SBS01	265491	7.71	467884	8.62	391562	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: ROMA02

Lab Code: CHEM Case No.: P4258 SAS No.: P4258 SDG NO.: P4258

Lab File ID: VY019776.D Date Analyzed: 10/03/2024

Instrument ID: MSVOA_Y Time Analyzed: 09:44

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

	IS4 AREA #		RT #				
12 HOUR STD	192886		13.346				
UPPER LIMIT	385772		13.846				
LOWER LIMIT	96443		12.846				
EPA SAMPLE NO.							
Chamberlain AveRE	38457	*	13.35				
VY1003SBL01	160873		13.35				
VY1003SBS01	181129		13.35				

IS4 = 1,4-Dichlorobenzene-d4

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

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

QC SAMPLE DATA

Raw Data: **VY019757.D**

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

Report of Analysis

Client:	Roman E&G Corp	Date Collected:	
Project:	Perth Amboy	Date Received:	
Client Sample ID:	VY1002SBL01	SDG No.:	P4258
Lab Sample ID:	VY1002SBL01	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
VY019757.D	1		10/02/24 10:13	VY100224

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

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Roman E&G Corp	Date Collected:	
Project:	Perth Amboy	Date Received:	
Client Sample ID:	VY1002SBL01	SDG No.:	P4258
Lab Sample ID:	VY1002SBL01	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
VY019757.D	1		10/02/24 10:13	VY100224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.60	U	0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.57	U	0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.84	U	0.84	5.00	ug/Kg
591-78-6	2-Hexanone	4.80	U	4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.65	U	0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.79	U	0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	0.89	U	0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	0.74	U	0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.62	U	0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.40	U	1.40	10.0	ug/Kg
95-47-6	o-Xylene	0.70	U	0.70	5.00	ug/Kg
100-42-5	Styrene	0.60	U	0.60	5.00	ug/Kg
75-25-2	Bromoform	0.81	U	0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	0.67	U	0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.10	U	1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.74	U	0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.80	U	0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.59	U	0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.60	U	1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.79	U	0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.78	U	0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	63.4		50 - 163	127%	SPK: 50
1868-53-7	Dibromofluoromethane	55.5		54 - 147	111%	SPK: 50
2037-26-5	Toluene-d8	56.5		58 - 134	113%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.1		29 - 146	92%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	286000	7.713			
540-36-3	1,4-Difluorobenzene	552000	8.616			
3114-55-4	Chlorobenzene-d5	483000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	170000	13.346			

Raw Data: **VY019757.D**

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Roman E&G Corp	Date Collected:	
Project:	Perth Amboy	Date Received:	
Client Sample ID:	VY1002SBL01	SDG No.:	P4258
Lab Sample ID:	VY1002SBL01	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
VY019757.D	1		10/02/24 10:13	VY100224

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: **VY019777.D**

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Roman E&G Corp	Date Collected:	
Project:	Perth Amboy	Date Received:	
Client Sample ID:	VY1003SBL01	SDG No.:	P4258
Lab Sample ID:	VY1003SBL01	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
VY019777.D	1		10/03/24 10:17	VY100324

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

Raw Data: **VY019777.D**

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

Report of Analysis

Client:	Roman E&G Corp	Date Collected:	
Project:	Perth Amboy	Date Received:	
Client Sample ID:	VY1003SBL01	SDG No.:	P4258
Lab Sample ID:	VY1003SBL01	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
VY019777.D	1		10/03/24 10:17	VY100324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.60	U	0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.57	U	0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.84	U	0.84	5.00	ug/Kg
591-78-6	2-Hexanone	4.80	U	4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.65	U	0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.79	U	0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	0.89	U	0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	0.74	U	0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.62	U	0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.40	U	1.40	10.0	ug/Kg
95-47-6	o-Xylene	0.70	U	0.70	5.00	ug/Kg
100-42-5	Styrene	0.60	U	0.60	5.00	ug/Kg
75-25-2	Bromoform	0.81	U	0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	0.67	U	0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.10	U	1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.74	U	0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.80	U	0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.59	U	0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.60	U	1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.79	U	0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.78	U	0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	61.3		50 - 163	123%	SPK: 50
1868-53-7	Dibromofluoromethane	55.4		54 - 147	111%	SPK: 50
2037-26-5	Toluene-d8	56.9		58 - 134	114%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.3		29 - 146	93%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	268000	7.707			
540-36-3	1,4-Difluorobenzene	512000	8.616			
3114-55-4	Chlorobenzene-d5	450000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	161000	13.346			

Raw Data: **VY019777.D**

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

Report of Analysis

Client:	Roman E&G Corp	Date Collected:	
Project:	Perth Amboy	Date Received:	
Client Sample ID:	VY1003SBL01	SDG No.:	P4258
Lab Sample ID:	VY1003SBL01	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
VY019777.D	1		10/03/24 10:17	VY100324

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: **VY019769.D**

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

Report of Analysis

Client:	Roman E&G Corp	Date Collected:	
Project:	Perth Amboy	Date Received:	
Client Sample ID:	VY1002SBS02	SDG No.:	P4258
Lab Sample ID:	VY1002SBS02	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
VY019769.D	1		10/02/24 16:56	VY100224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	20.4		1.70	5.00	ug/Kg
74-87-3	Chloromethane	19.3		1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	20.6		0.77	5.00	ug/Kg
74-83-9	Bromomethane	23.1		1.00	5.00	ug/Kg
75-00-3	Chloroethane	21.6		1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	21.4		0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	21.8		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	18.9		0.78	5.00	ug/Kg
67-64-1	Acetone	130		6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	12.8		1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	23.1		0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	22.4		1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	22.7		3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	18.7		0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	22.4		0.63	5.00	ug/Kg
110-82-7	Cyclohexane	17.7		0.69	5.00	ug/Kg
78-93-3	2-Butanone	120		5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.3		0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	21.6		0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	21.5		2.40	5.00	ug/Kg
67-66-3	Chloroform	23.8		0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	22.5		0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	17.4		0.87	5.00	ug/Kg
71-43-2	Benzene	20.3		0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	23.0		0.61	5.00	ug/Kg
79-01-6	Trichloroethene	19.5		0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	22.3		0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	22.7		0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	110		4.40	25.0	ug/Kg
108-88-3	Toluene	20.5		0.67	5.00	ug/Kg

Raw Data: **VY019769.D**

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

Report of Analysis

Client:	Roman E&G Corp	Date Collected:	
Project:	Perth Amboy	Date Received:	
Client Sample ID:	VY1002SBS02	SDG No.:	P4258
Lab Sample ID:	VY1002SBS02	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
VY019769.D	1		10/02/24 16:56	VY100224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	20.7		0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.5		0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	23.0		0.84	5.00	ug/Kg
591-78-6	2-Hexanone	110		4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	21.7		0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	21.6		0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	20.7		0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	21.5		0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	21.1		0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	40.9		1.40	10.0	ug/Kg
95-47-6	o-Xylene	20.8		0.70	5.00	ug/Kg
100-42-5	Styrene	21.0		0.60	5.00	ug/Kg
75-25-2	Bromoform	21.0		0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	21.2		0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	23.0		1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	21.3		0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	21.3		0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	21.5		0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	21.4		1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	19.0		0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	18.9		0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	59.7		50 - 163	119%	SPK: 50
1868-53-7	Dibromofluoromethane	54.0		54 - 147	108%	SPK: 50
2037-26-5	Toluene-d8	52.1		58 - 134	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.7		29 - 146	99%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	266000	7.707			
540-36-3	1,4-Difluorobenzene	469000	8.616			
3114-55-4	Chlorobenzene-d5	395000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	189000	13.34			

Raw Data: **VY019769.D**

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

Report of Analysis

Client:	Roman E&G Corp	Date Collected:	
Project:	Perth Amboy	Date Received:	
Client Sample ID:	VY1002SBS02	SDG No.:	P4258
Lab Sample ID:	VY1002SBS02	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
VY019769.D	1		10/02/24 16:56	VY100224

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: **VY019778.D**

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

Report of Analysis

Client:	Roman E&G Corp	Date Collected:	
Project:	Perth Amboy	Date Received:	
Client Sample ID:	VY1003SBS01	SDG No.:	P4258
Lab Sample ID:	VY1003SBS01	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
VY019778.D	1		10/03/24 11:01	VY100324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	20.3		1.70	5.00	ug/Kg
74-87-3	Chloromethane	17.2		1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	18.8		0.77	5.00	ug/Kg
74-83-9	Bromomethane	21.7		1.00	5.00	ug/Kg
75-00-3	Chloroethane	21.0		1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	20.6		0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	21.4		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	18.5		0.78	5.00	ug/Kg
67-64-1	Acetone	130		6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	11.8		1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	21.1		0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	18.0		1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	19.9		3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	18.4		0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	21.8		0.63	5.00	ug/Kg
110-82-7	Cyclohexane	17.4		0.69	5.00	ug/Kg
78-93-3	2-Butanone	110		5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	19.9		0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	20.9		0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	21.1		2.40	5.00	ug/Kg
67-66-3	Chloroform	22.8		0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	22.0		0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	16.9		0.87	5.00	ug/Kg
71-43-2	Benzene	20.1		0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	21.5		0.61	5.00	ug/Kg
79-01-6	Trichloroethene	19.3		0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	21.2		0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	21.8		0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	96.9		4.40	25.0	ug/Kg
108-88-3	Toluene	19.7		0.67	5.00	ug/Kg

Raw Data: **VY019778.D**

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

Report of Analysis

Client:	Roman E&G Corp	Date Collected:	
Project:	Perth Amboy	Date Received:	
Client Sample ID:	VY1003SBS01	SDG No.:	P4258
Lab Sample ID:	VY1003SBS01	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
VY019778.D	1		10/03/24 11:01	VY100324

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	19.7		0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	19.5		0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	21.4		0.84	5.00	ug/Kg
591-78-6	2-Hexanone	98.3		4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.6		0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	19.2		0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	18.8		0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	21.1		0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.7		0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	40.4		1.40	10.0	ug/Kg
95-47-6	o-Xylene	20.6		0.70	5.00	ug/Kg
100-42-5	Styrene	20.4		0.60	5.00	ug/Kg
75-25-2	Bromoform	19.1		0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	22.1		0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	21.5		1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	21.7		0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	21.7		0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	21.6		0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	19.8		1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	19.3		0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	18.8		0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	60.2		50 - 163	120%	SPK: 50
1868-53-7	Dibromofluoromethane	56.9		54 - 147	114%	SPK: 50
2037-26-5	Toluene-d8	55.6		58 - 134	111%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.5		29 - 146	105%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	265000	7.707			
540-36-3	1,4-Difluorobenzene	468000	8.615			
3114-55-4	Chlorobenzene-d5	392000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	181000	13.346			

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

Report of Analysis

Client:	Roman E&G Corp	Date Collected:	
Project:	Perth Amboy	Date Received:	
Client Sample ID:	VY1003SBS01	SDG No.:	P4258
Lab Sample ID:	VY1003SBS01	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
VY019778.D	1		10/03/24 11:01	VY100324

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: **VY019770.D**

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

Report of Analysis

Client:	Roman E&G Corp	Date Collected:	
Project:	Perth Amboy	Date Received:	
Client Sample ID:	VY1002SBSD02	SDG No.:	P4258
Lab Sample ID:	VY1002SBSD02	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
VY019770.D	1		10/02/24 17:19	VY100224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	21.0		1.70	5.00	ug/Kg
74-87-3	Chloromethane	18.6		1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	20.3		0.77	5.00	ug/Kg
74-83-9	Bromomethane	22.8		1.00	5.00	ug/Kg
75-00-3	Chloroethane	23.3		1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	21.6		0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	21.8		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	19.1		0.78	5.00	ug/Kg
67-64-1	Acetone	120		6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	12.8		1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	22.9		0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	22.0		1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	24.3		3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	19.1		0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	22.8		0.63	5.00	ug/Kg
110-82-7	Cyclohexane	18.1		0.69	5.00	ug/Kg
78-93-3	2-Butanone	120		5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.4		0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	21.9		0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	23.1		2.40	5.00	ug/Kg
67-66-3	Chloroform	24.1		0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	22.5		0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	17.6		0.87	5.00	ug/Kg
71-43-2	Benzene	20.6		0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	22.6		0.61	5.00	ug/Kg
79-01-6	Trichloroethene	20.0		0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	22.2		0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	22.9		0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	110		4.40	25.0	ug/Kg
108-88-3	Toluene	20.9		0.67	5.00	ug/Kg

Raw Data: **VY019770.D**

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

Report of Analysis

Client:	Roman E&G Corp	Date Collected:	
Project:	Perth Amboy	Date Received:	
Client Sample ID:	VY1002SBSD02	SDG No.:	P4258
Lab Sample ID:	VY1002SBSD02	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
VY019770.D	1		10/02/24 17:19	VY100224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	20.5		0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.5		0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	22.9		0.84	5.00	ug/Kg
591-78-6	2-Hexanone	110		4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	22.1		0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	21.1		0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	20.6		0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	22.1		0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	21.9		0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	42.4		1.40	10.0	ug/Kg
95-47-6	o-Xylene	21.4		0.70	5.00	ug/Kg
100-42-5	Styrene	21.6		0.60	5.00	ug/Kg
75-25-2	Bromoform	21.1		0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	22.7		0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	23.9		1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	22.9		0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	22.9		0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	22.8		0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	22.6		1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	20.1		0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	19.7		0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.1		50 - 163	110%	SPK: 50
1868-53-7	Dibromofluoromethane	50.5		54 - 147	101%	SPK: 50
2037-26-5	Toluene-d8	49.1		58 - 134	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.1		29 - 146	92%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	278000	7.707			
540-36-3	1,4-Difluorobenzene	491000	8.616			
3114-55-4	Chlorobenzene-d5	408000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	190000	13.34			

Raw Data: **VY019770.D**

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

Report of Analysis

Client:	Roman E&G Corp	Date Collected:	
Project:	Perth Amboy	Date Received:	
Client Sample ID:	VY1002SBSD02	SDG No.:	P4258
Lab Sample ID:	VY1002SBSD02	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
VY019770.D	1		10/02/24 17:19	VY100224

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

CALIBRATION SUMMARY

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: ROMA02

Lab Code: CHEM Case No.: P4258 SAS No.: P4258 SDG No.: P4258

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

Heated Purge: (Y/N) Y Calibration Time(s): 09:52 11:53

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

LAB FILE ID: RRF005 = VY019454.D RRF010 = VY019455.D RRF020 = VY019456.D
RRF050 = VY019457.D RRF100 = VY019458.D RRF150 = VY019459.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.375	0.371	0.373	0.265	0.248	0.264	0.316	19.8
Chloromethane	0.456	0.454	0.442	0.392	0.357	0.380	0.414	10.3
Vinyl Chloride	0.451	0.466	0.476	0.447	0.409	0.435	0.447	5.2
Bromomethane	0.255	0.278	0.273	0.283	0.269	0.291	0.275	4.6
Chloroethane	0.300	0.303	0.299	0.297	0.270	0.286	0.292	4.3
Trichlorofluoromethane	0.760	0.775	0.776	0.733	0.686	0.743	0.746	4.6
1,1,2-Trichlorotrifluoroethane	0.477	0.480	0.476	0.457	0.425	0.453	0.461	4.6
1,1-Dichloroethene	0.457	0.449	0.450	0.447	0.413	0.446	0.444	3.5
Acetone	0.102	0.113	0.106	0.124	0.107	0.109	0.110	6.9
Carbon Disulfide	1.144	1.159	1.161	1.283	1.177	1.266	1.199	5
Methyl tert-butyl Ether	1.146	1.304	1.294	1.313	1.212	1.270	1.256	5.2
Methyl Acetate	0.285	0.314	0.279	0.345	0.283	0.290	0.299	8.5
Methylene Chloride	0.538	0.524	0.513	0.502	0.456	0.485	0.503	5.8
trans-1,2-Dichloroethene	0.488	0.488	0.484	0.500	0.461	0.496	0.486	2.9
1,1-Dichloroethane	0.889	0.945	0.936	0.945	0.862	0.923	0.917	3.7
Cyclohexane	0.969	0.873	0.819	0.803	0.735	0.772	0.829	10
2-Butanone	0.134	0.166	0.159	0.171	0.154	0.158	0.157	8.1
Carbon Tetrachloride	0.440	0.451	0.441	0.437	0.408	0.433	0.435	3.4
cis-1,2-Dichloroethene	0.568	0.592	0.602	0.613	0.564	0.605	0.591	3.4
Bromochloromethane	0.368	0.373	0.378	0.410	0.383	0.402	0.386	4.4
Chloroform	0.909	0.952	0.954	0.967	0.885	0.947	0.936	3.4
1,1,1-Trichloroethane	0.825	0.868	0.851	0.853	0.789	0.847	0.839	3.3
Methylcyclohexane	0.524	0.533	0.514	0.516	0.481	0.513	0.513	3.4
Benzene	1.169	1.235	1.211	1.212	1.118	1.184	1.188	3.5
1,2-Dichloroethane	0.297	0.336	0.325	0.330	0.307	0.324	0.320	4.7
Trichloroethene	0.301	0.309	0.315	0.312	0.288	0.307	0.306	3.1
1,2-Dichloropropane	0.287	0.301	0.299	0.294	0.273	0.289	0.290	3.5
Bromodichloromethane	0.413	0.445	0.431	0.437	0.408	0.428	0.427	3.3
4-Methyl-2-Pentanone	0.181	0.225	0.214	0.222	0.203	0.209	0.209	7.7
Toluene	0.738	0.793	0.775	0.790	0.725	0.764	0.764	3.6

* 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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Fax : 908 789 8922

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: ROMA02

Lab Code: CHEM Case No.: P4258 SAS No.: P4258 SDG No.: P4258

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

Heated Purge: (Y/N) Y Calibration Time(s): 09:52 11:53

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

LAB FILE ID: RRF005 = VY019454.D RRF010 = VY019455.D RRF020 = VY019456.D
RRF050 = VY019457.D RRF100 = VY019458.D RRF150 = VY019459.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.366	0.424	0.416	0.426	0.393	0.417	0.407	5.8
cis-1,3-Dichloropropene	0.444	0.491	0.485	0.492	0.453	0.478	0.474	4.3
1,1,2-Trichloroethane	0.209	0.227	0.219	0.231	0.211	0.220	0.219	4
2-Hexanone	0.131	0.166	0.158	0.163	0.149	0.152	0.153	8.2
Dibromochloromethane	0.260	0.302	0.297	0.304	0.281	0.296	0.290	5.8
1,2-Dibromoethane	0.188	0.216	0.211	0.212	0.195	0.204	0.204	5.5
Tetrachloroethene	0.315	0.319	0.313	0.312	0.291	0.307	0.310	3.2
Chlorobenzene	0.961	1.026	1.010	0.995	0.925	0.983	0.984	3.7
Ethyl Benzene	1.739	1.856	1.796	1.769	1.626	1.701	1.748	4.5
m/p-Xylenes	0.656	0.688	0.682	0.670	0.620	0.650	0.661	3.7
o-Xylene	0.646	0.673	0.667	0.656	0.601	0.635	0.646	4
Styrene	1.061	1.143	1.126	1.112	1.031	1.073	1.091	3.9
Bromoform	0.173	0.207	0.196	0.205	0.189	0.198	0.195	6.3
Isopropylbenzene	3.732	3.822	3.698	3.613	3.336	3.563	3.627	4.7
1,1,2,2-Tetrachloroethane	0.589	0.684	0.652	0.665	0.617	0.654	0.644	5.4
1,3-Dichlorobenzene	1.564	1.622	1.612	1.575	1.453	1.554	1.563	3.8
1,4-Dichlorobenzene	1.554	1.596	1.594	1.565	1.452	1.548	1.551	3.4
1,2-Dichlorobenzene	1.367	1.448	1.414	1.422	1.315	1.404	1.395	3.4
1,2-Dibromo-3-Chloropropane	0.099	0.116	0.105	0.110	0.103	0.110	0.107	5.5
1,2,4-Trichlorobenzene	0.810	0.837	0.858	0.874	0.817	0.894	0.848	3.9
1,2,3-Trichlorobenzene	0.664	0.719	0.738	0.754	0.705	0.776	0.726	5.4
1,2-Dichloroethane-d4	0.420	0.462	0.466	0.485	0.465	0.480	0.463	5
Dibromofluoromethane	0.264	0.291	0.287	0.290	0.279	0.288	0.283	3.7
Toluene-d8	0.986	1.073	1.055	1.084	1.033	1.060	1.049	3.4
4-Bromofluorobenzene	0.425	0.414	0.407	0.400	0.385	0.389	0.403	3.8

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

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ROMA02

Lab Code: CHEM Case No.: P4258 SAS No.: P4258 SDG No.: P4258

Instrument ID: MSVOA_Y Calibration Date/Time: 10/02/2024 09:39

Lab File ID: VY019756.D Init. Calib. Date(s): 09/09/2024 09/09/2024

Heated Purge: (Y/N) Y Init. Calib. Time(s): 09:52 11:53

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.316	0.221		-30.06	20
Chloromethane	0.414	0.361	0.1	-12.8	20
Vinyl Chloride	0.447	0.435		-2.68	20
Bromomethane	0.275	0.302		9.82	20
Chloroethane	0.292	0.309		5.82	20
Trichlorofluoromethane	0.746	0.738		-1.07	20
1,1,2-Trichlorotrifluoroethane	0.461	0.456		-1.09	20
1,1-Dichloroethene	0.444	0.424		-4.51	20
Acetone	0.110	0.130		18.18	20
Carbon Disulfide	1.199	1.028		-14.26	20
Methyl tert-butyl Ether	1.256	1.256		0	20
Methyl Acetate	0.299	0.298		-0.33	20
Methylene Chloride	0.503	0.476		-5.37	20
trans-1,2-Dichloroethene	0.486	0.459		-5.56	20
1,1-Dichloroethane	0.917	0.937	0.1	2.18	20
Cyclohexane	0.829	0.753		-9.17	20
2-Butanone	0.157	0.168		7.01	20
Carbon Tetrachloride	0.435	0.441		1.38	20
cis-1,2-Dichloroethene	0.591	0.599		1.35	20
Bromochloromethane	0.386	0.472		22.28	20
Chloroform	0.936	0.989		5.66	20
1,1,1-Trichloroethane	0.839	0.870		3.69	20
Methylcyclohexane	0.513	0.488		-4.87	20
Benzene	1.188	1.190		0.17	20
1,2-Dichloroethane	0.320	0.341		6.56	20
Trichloroethene	0.306	0.298		-2.61	20
1,2-Dichloropropane	0.290	0.293		1.03	20
Bromodichloromethane	0.427	0.449		5.15	20
4-Methyl-2-Pentanone	0.209	0.216		3.35	20
Toluene	0.764	0.762		-0.26	20
t-1,3-Dichloropropene	0.407	0.626		53.81	20
cis-1,3-Dichloropropene	0.474	0.467		-1.48	20
1,1,2-Trichloroethane	0.219	0.223		1.83	20
2-Hexanone	0.153	0.155		1.31	20
Dibromochloromethane	0.290	0.300		3.45	20
1,2-Dibromoethane	0.204	0.199		-2.45	20
Tetrachloroethene	0.310	0.298		-3.87	20
Chlorobenzene	0.984	0.992	0.3	0.81	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: ROMA02

Lab Code: CHEM Case No.: P4258 SAS No.: P4258 SDG No.: P4258

Instrument ID: MSVOA_Y Calibration Date/Time: 10/02/2024 09:39

Lab File ID: VY019756.D Init. Calib. Date(s): 09/09/2024 09/09/2024

Heated Purge: (Y/N) Y Init. Calib. Time(s): 09:52 11:53

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.748	1.795		2.69	20
m/p-Xylenes	0.661	0.664		0.45	20
o-Xylene	0.646	0.644		-0.31	20
Styrene	1.091	1.098		0.64	20
Bromoform	0.195	0.200	0.1	2.56	20
Isopropylbenzene	3.627	3.705		2.15	20
1,1,2,2-Tetrachloroethane	0.644	0.647	0.3	0.47	20
1,3-Dichlorobenzene	1.563	1.582		1.22	20
1,4-Dichlorobenzene	1.551	1.548		-0.19	20
1,2-Dichlorobenzene	1.395	1.391		-0.29	20
1,2-Dibromo-3-Chloropropane	0.107	0.104		-2.8	20
1,2,4-Trichlorobenzene	0.848	0.790		-6.84	20
1,2,3-Trichlorobenzene	0.726	0.668		-7.99	20
1,2-Dichloroethane-d4	0.463	0.537		15.98	20
Dibromofluoromethane	0.283	0.319		12.72	20
Toluene-d8	1.049	1.151		9.72	20
4-Bromofluorobenzene	0.403	0.427		5.95	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: ROMA02

Lab Code: CHEM Case No.: P4258 SAS No.: P4258 SDG No.: P4258

Instrument ID: MSVOA_Y Calibration Date/Time: 10/03/2024 09:44

Lab File ID: VY019776.D Init. Calib. Date(s): 09/09/2024 09/09/2024

Heated Purge: (Y/N) Y Init. Calib. Time(s): 09:52 11:53

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.316	0.225		-28.8	20
Chloromethane	0.414	0.374	0.1	-9.66	20
Vinyl Chloride	0.447	0.449		0.45	20
Bromomethane	0.275	0.313		13.82	20
Chloroethane	0.292	0.328		12.33	20
Trichlorofluoromethane	0.746	0.774		3.75	20
1,1,2-Trichlorotrifluoroethane	0.461	0.483		4.77	20
1,1-Dichloroethene	0.444	0.440		-0.9	20
Acetone	0.110	0.130		18.18	20
Carbon Disulfide	1.199	1.061		-11.51	20
Methyl tert-butyl Ether	1.256	1.291		2.79	20
Methyl Acetate	0.299	0.295		-1.34	20
Methylene Chloride	0.503	0.493		-1.99	20
trans-1,2-Dichloroethene	0.486	0.487		0.21	20
1,1-Dichloroethane	0.917	0.988	0.1	7.74	20
Cyclohexane	0.829	0.771		-7	20
2-Butanone	0.157	0.168		7.01	20
Carbon Tetrachloride	0.435	0.458		5.29	20
cis-1,2-Dichloroethene	0.591	0.620		4.91	20
Bromochloromethane	0.386	0.486		25.91	20
Chloroform	0.936	1.031		10.15	20
1,1,1-Trichloroethane	0.839	0.899		7.15	20
Methylcyclohexane	0.513	0.497		-3.12	20
Benzene	1.188	1.223		2.95	20
1,2-Dichloroethane	0.320	0.348		8.75	20
Trichloroethene	0.306	0.310		1.31	20
1,2-Dichloropropane	0.290	0.304		4.83	20
Bromodichloromethane	0.427	0.457		7.03	20
4-Methyl-2-Pentanone	0.209	0.207		-0.96	20
Toluene	0.764	0.792		3.66	20
t-1,3-Dichloropropene	0.407	0.408		0.25	20
cis-1,3-Dichloropropene	0.474	0.483		1.9	20
1,1,2-Trichloroethane	0.219	0.227		3.65	20
2-Hexanone	0.153	0.149		-2.61	20
Dibromochloromethane	0.290	0.294		1.38	20
1,2-Dibromoethane	0.204	0.201		-1.47	20
Tetrachloroethene	0.310	0.310		0	20
Chlorobenzene	0.984	1.038	0.3	5.49	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: ROMA02

Lab Code: CHEM Case No.: P4258 SAS No.: P4258 SDG No.: P4258

Instrument ID: MSVOA_Y Calibration Date/Time: 10/03/2024 09:44

Lab File ID: VY019776.D Init. Calib. Date(s): 09/09/2024 09/09/2024

Heated Purge: (Y/N) Y Init. Calib. Time(s): 09:52 11:53

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.748	1.867		6.81	20
m/p-Xylenes	0.661	0.692		4.69	20
o-Xylene	0.646	0.661		2.32	20
Styrene	1.091	1.135		4.03	20
Bromoform	0.195	0.187	0.1	-4.1	20
Isopropylbenzene	3.627	3.780		4.22	20
1,1,2,2-Tetrachloroethane	0.644	0.656	0.3	1.86	20
1,3-Dichlorobenzene	1.563	1.615		3.33	20
1,4-Dichlorobenzene	1.551	1.587		2.32	20
1,2-Dichlorobenzene	1.395	1.407		0.86	20
1,2-Dibromo-3-Chloropropane	0.107	0.098		-8.41	20
1,2,4-Trichlorobenzene	0.848	0.801		-5.54	20
1,2,3-Trichlorobenzene	0.726	0.670		-7.71	20
1,2-Dichloroethane-d4	0.463	0.528		14.04	20
Dibromofluoromethane	0.283	0.307		8.48	20
Toluene-d8	1.049	1.102		5.05	20
4-Bromofluorobenzene	0.403	0.401		-0.5	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\VY100224\
Data File : VY019765.D
Acq On : 02 Oct 2024 15:23
Operator : SY/MD
Sample : P4258-03
Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
Chamberlain Ave

Quant Time: Oct 03 02:03:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
Quant Title : SW846 8260
QLast Update : Mon Sep 09 16:00:30 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	61958	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	102249	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	74657	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	23916	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	30298	52.810	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 105.620%			
35) Dibromofluoromethane	7.628	113	30858	53.228	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 106.460%			
50) Toluene-d8	10.103	98	114643	53.464	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 106.920%			
62) 4-Bromofluorobenzene	12.402	95	31049	37.658	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 75.320%			
Target Compounds						Qvalue
78) n-propylbenzene	12.591	91	8096	3.937	ug/l	98
89) n-Butylbenzene	13.615	91	3258	2.245	ug/l #	83
95) Naphthalene	15.139	128	2469	3.038	ug/l #	92

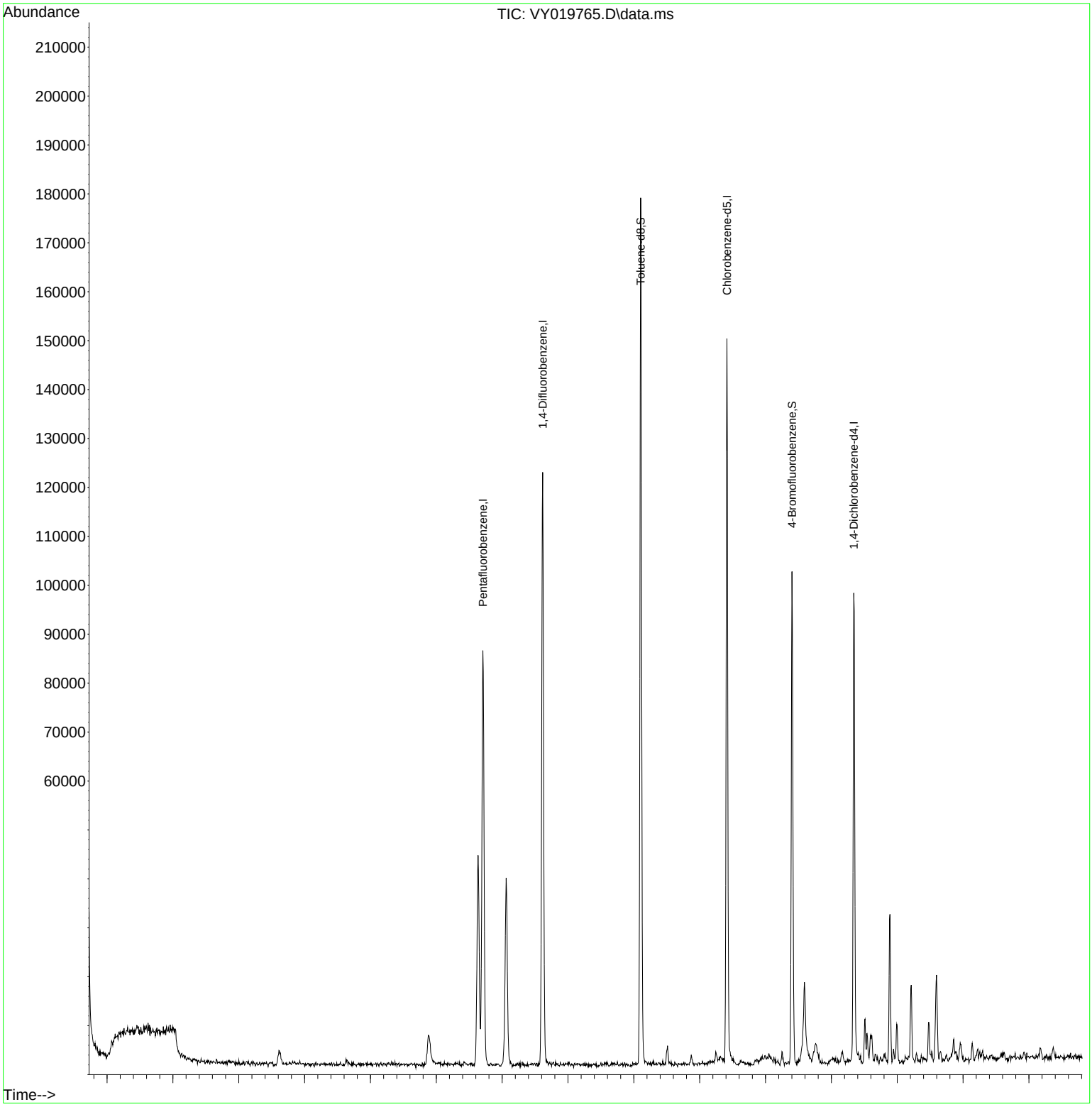
(#) = qualifier out of range (m) = manual integration (+) = signals summed

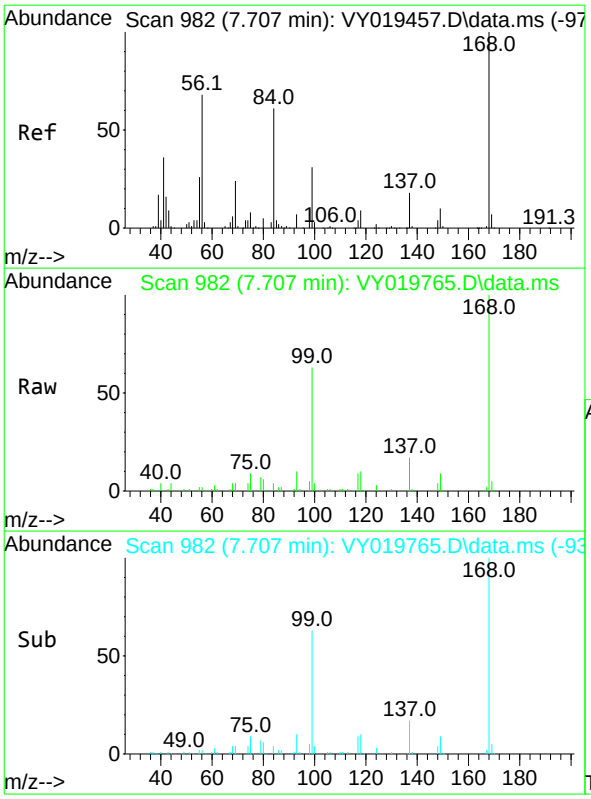
Sample Results: **VY019765.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100224\
Data File : VY019765.D
Acq On : 02 Oct 2024 15:23
Operator : SY/MD
Sample : P4258-03
Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
Chamberlain Ave

Quant Time: Oct 03 02:03:26 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
Quant Title : SW846 8260
QLast Update : Mon Sep 09 16:00:30 2024
Response via : Initial Calibration



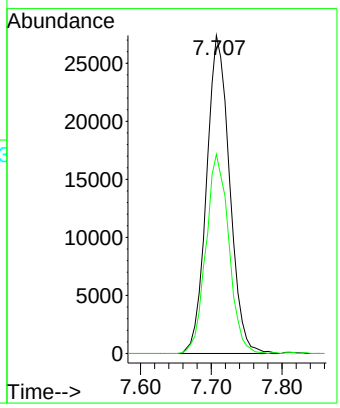


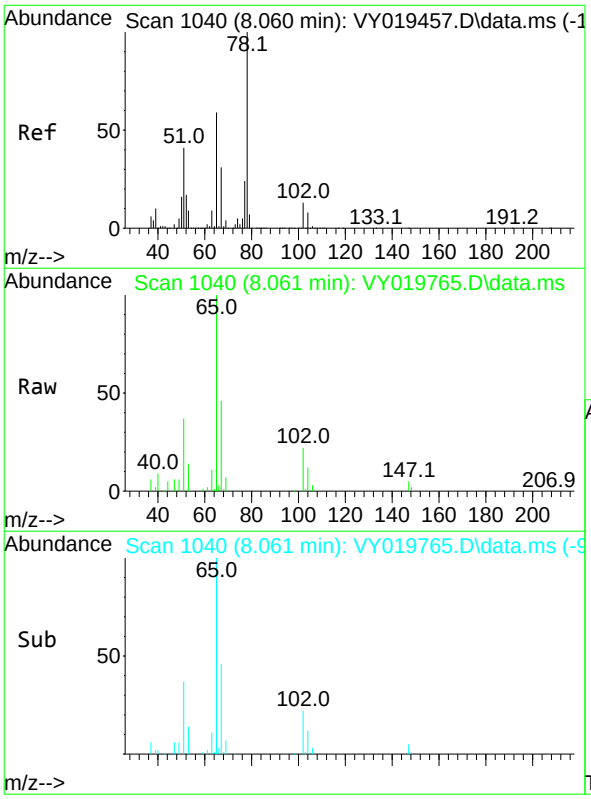
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY019765.D
Acq: 02 Oct 2024 15:23

Instrument :
MSVOA_Y
ClientSampleId :
Chamberlain Ave

Tgt Ion:168 Resp: 61958

Ion	Ratio	Lower	Upper
168	100		
99	62.6	39.1	58.7#

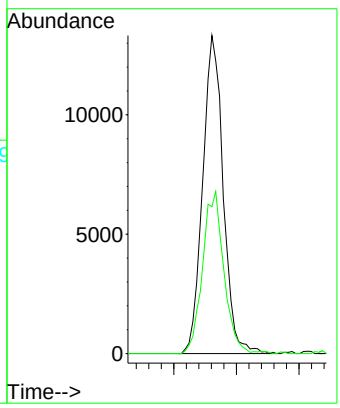


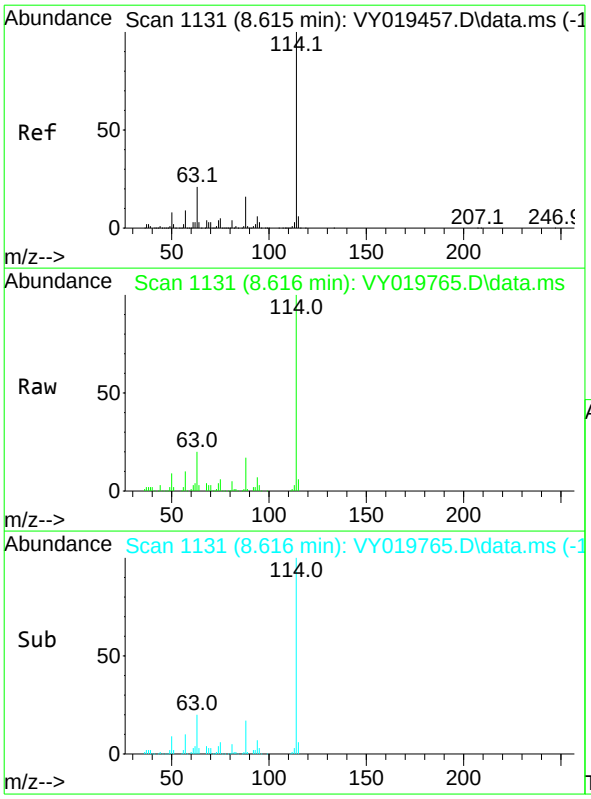


#33
1,2-Dichloroethane-d4
Concen: 52.810 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY019765.D
Acq: 02 Oct 2024 15:23

Tgt Ion: 65 Resp: 30298

Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	109.6



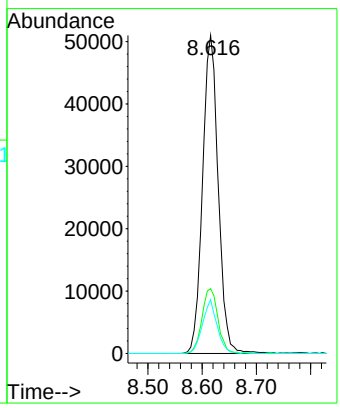


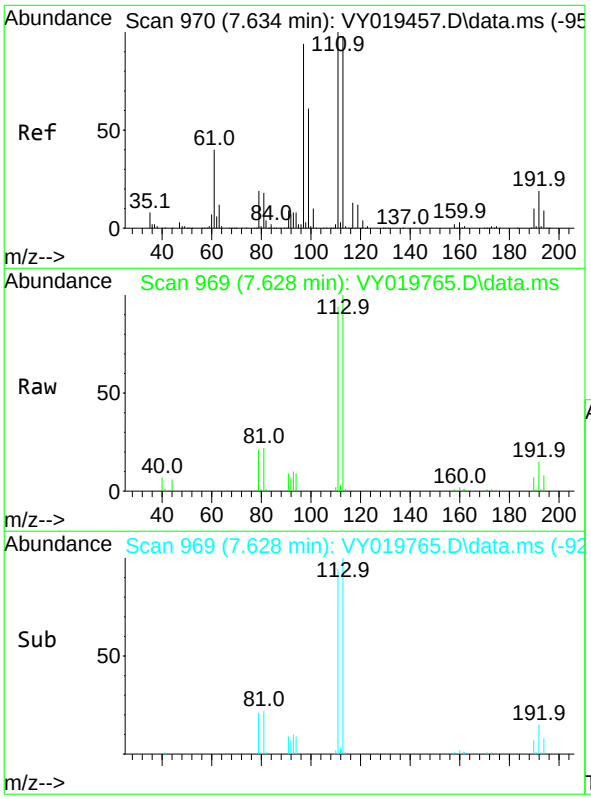
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY019765.D
Acq: 02 Oct 2024 15:23

Instrument :
MSVOA_Y
ClientSampleId :
Chamberlain Ave

Tgt Ion:114 Resp: 102249

Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	35.0
88	16.9	0.0	27.2

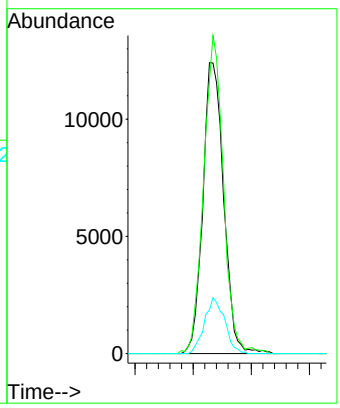


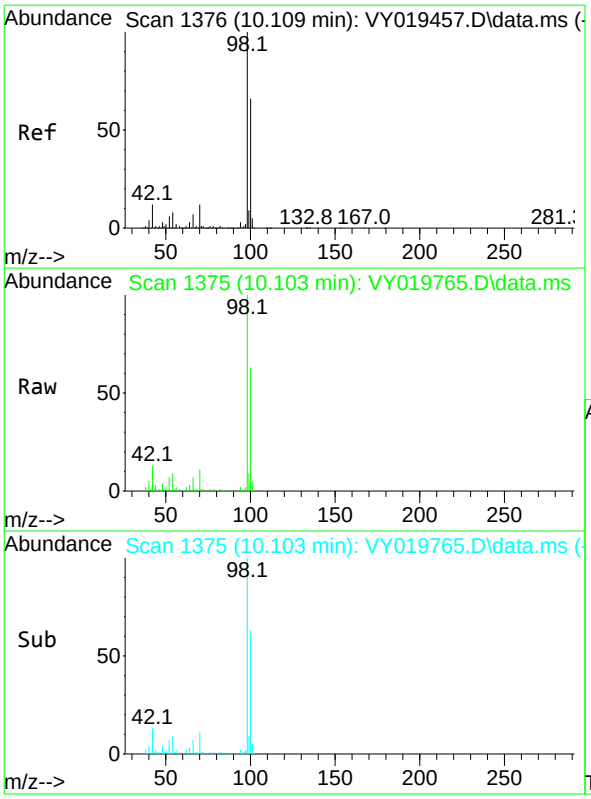


#35
Dibromofluoromethane
Concen: 53.228 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.006 min
Lab File: VY019765.D
Acq: 02 Oct 2024 15:23

Tgt Ion:113 Resp: 30858

Ion	Ratio	Lower	Upper
113	100		
111	104.5	82.2	123.4
192	18.6	15.9	23.9



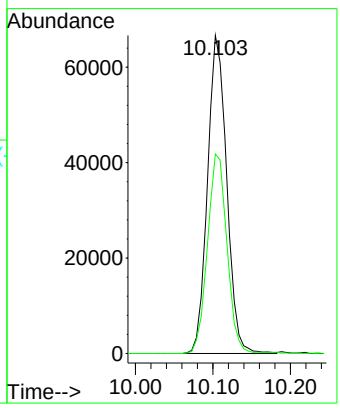


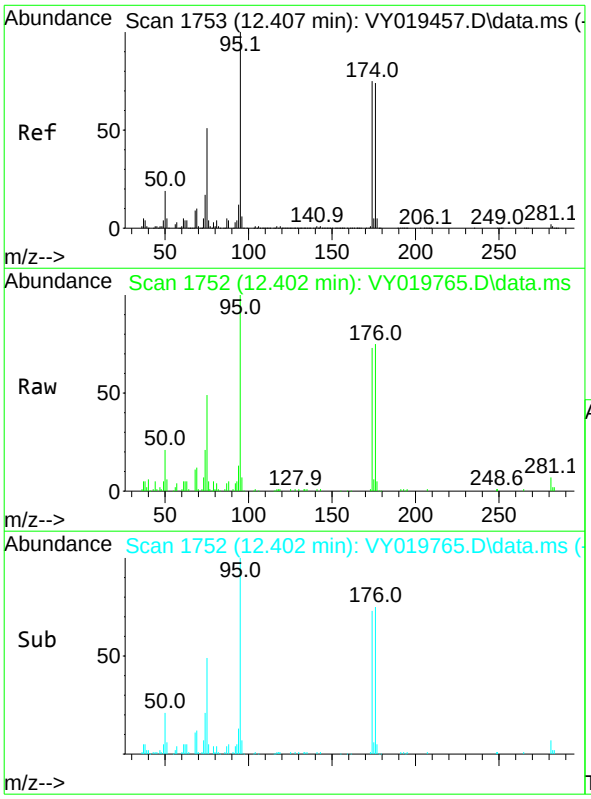
#50
Toluene-d8
Concen: 53.464 ug/l
RT: 10.103 min Scan# 13
Delta R.T. -0.006 min
Lab File: VY019765.D
Acq: 02 Oct 2024 15:23

Instrument :
MSVOA_Y
ClientSampleId :
Chamberlain Ave

Tgt Ion: 98 Resp: 114643

Ion	Ratio	Lower	Upper
98	100		
100	64.1	52.0	78.0

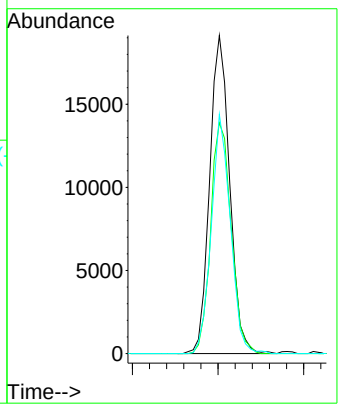


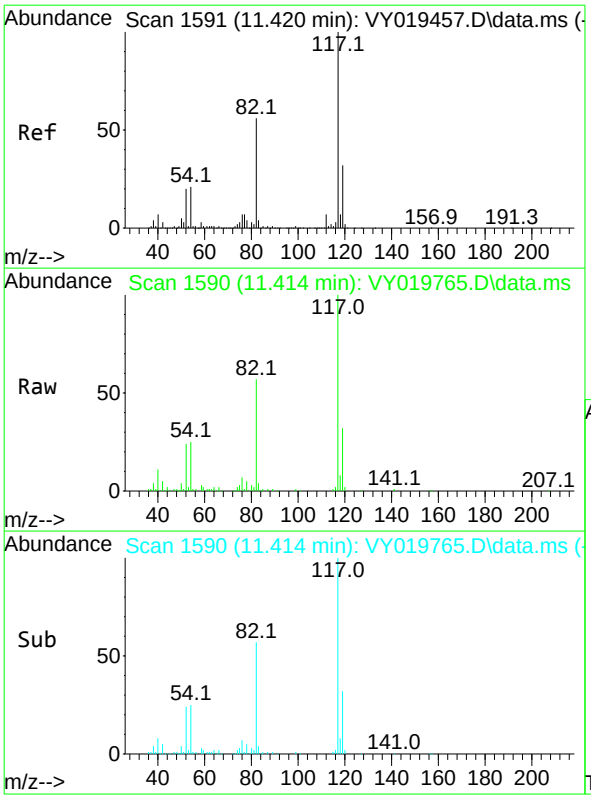


#62
4-Bromofluorobenzene
Concen: 37.658 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY019765.D
Acq: 02 Oct 2024 15:23

Tgt Ion: 95 Resp: 31049

Ion	Ratio	Lower	Upper
95	100		
174	74.5	0.0	175.6
176	71.5	0.0	171.4



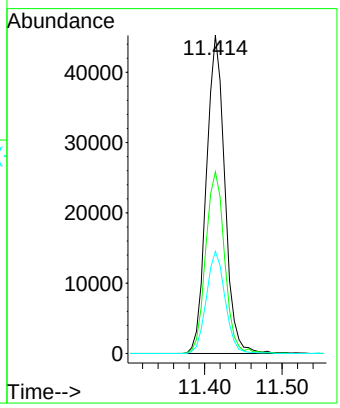


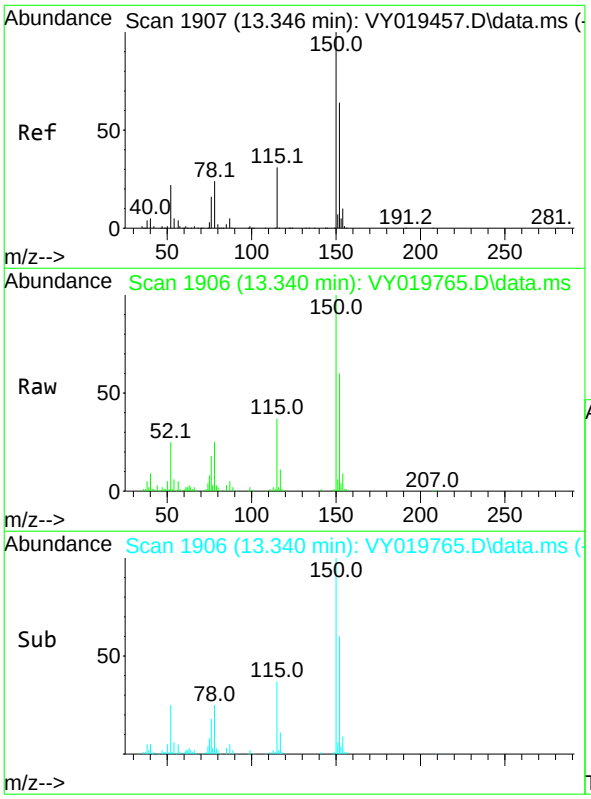
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 15
Delta R.T. -0.006 min
Lab File: VY019765.D
Acq: 02 Oct 2024 15:23

Instrument :
MSVOA_Y
ClientSampleId :
Chamberlain Ave

Tgt Ion:117 Resp: 74657

Ion	Ratio	Lower	Upper
117	100		
82	57.1	42.4	63.6
119	32.1	25.9	38.9

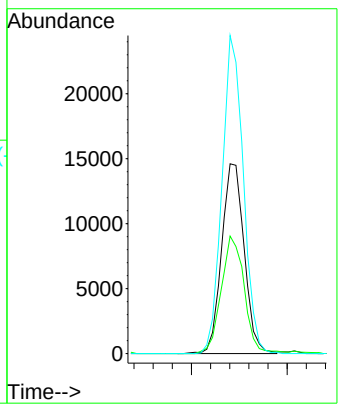


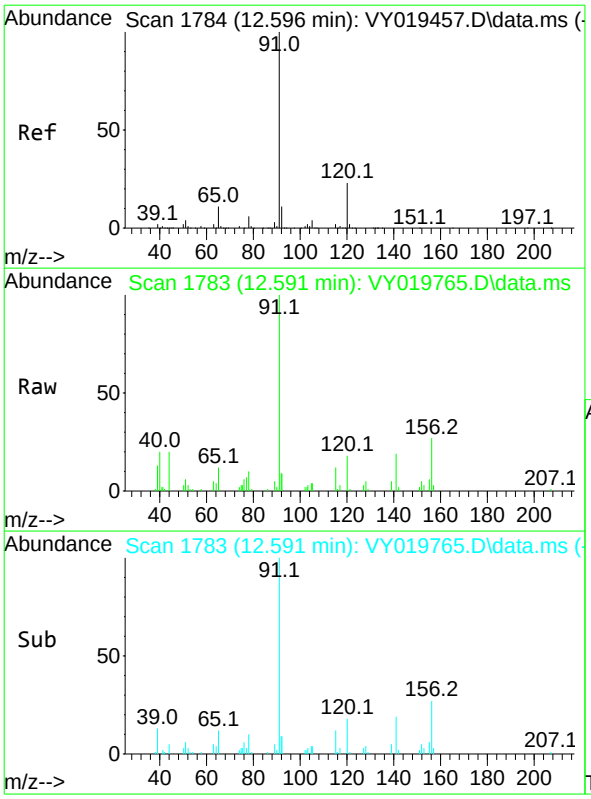


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. -0.006 min
Lab File: VY019765.D
Acq: 02 Oct 2024 15:23

Tgt Ion:152 Resp: 23916

Ion	Ratio	Lower	Upper
152	100		
115	63.2	28.2	84.7
150	158.0	0.0	345.6



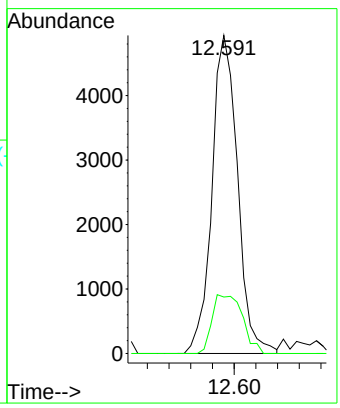


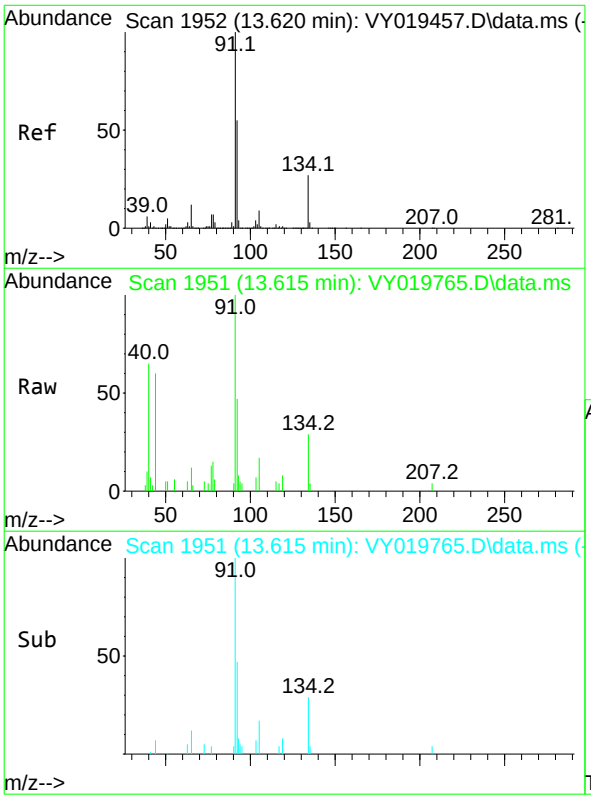
#78
n-propylbenzene
Concen: 3.937 ug/l
RT: 12.591 min Scan# 17
Delta R.T. -0.006 min
Lab File: VY019765.D
Acq: 02 Oct 2024 15:23

Instrument :
MSVOA_Y
ClientSampleId :
Chamberlain Ave

Tgt Ion: 91 Resp: 8096

Ion	Ratio	Lower	Upper
91	100		
120	21.8	11.5	34.4

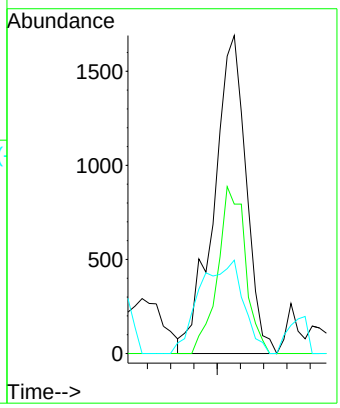


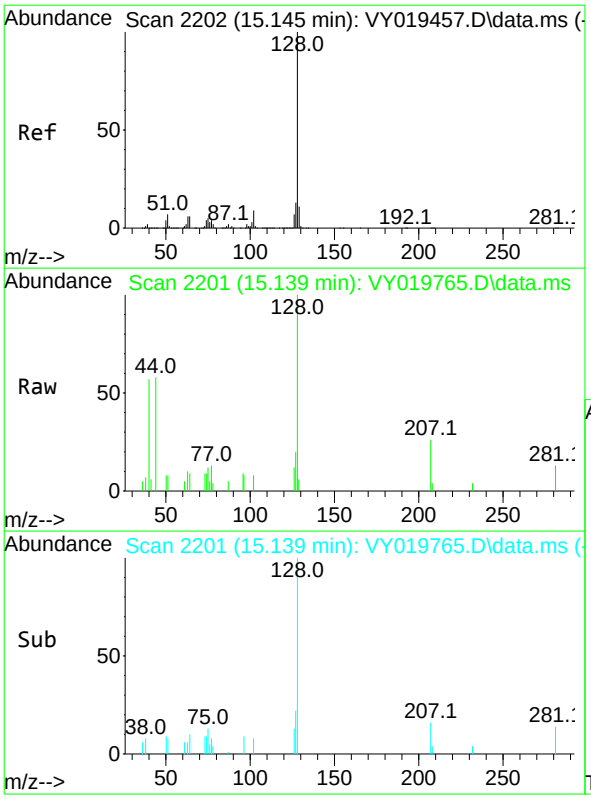


#89
n-Butylbenzene
Concen: 2.245 ug/l
RT: 13.615 min Scan# 1951
Delta R.T. -0.006 min
Lab File: VY019765.D
Acq: 02 Oct 2024 15:23

Tgt Ion: 91 Resp: 3258

Ion	Ratio	Lower	Upper
91	100		
92	45.2	26.6	79.7
134	39.7	12.9	38.7#



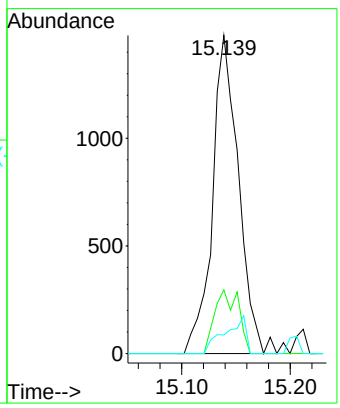


#95
Naphthalene
Concen: 3.038 ug/l
RT: 15.139 min Scan# 22
Delta R.T. -0.006 min
Lab File: VY019765.D
Acq: 02 Oct 2024 15:23

Instrument :
MSVOA_Y
ClientSampleId :
Chamberlain Ave

Tgt Ion:128 Resp: 2469

Ion	Ratio	Lower	Upper
128	100		
127	18.3	10.6	16.0#
129	9.5	8.6	13.0



Sample Results: **VY019765.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100224\
Data File : VY019765.D
Acq On : 02 Oct 2024 15:23
Operator : SY/MD
Sample : P4258-03
Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
Chamberlain Ave

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\82Y090924S.M
Title : SW846 8260

Signal : TIC: VY019765.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.068	52	57	60	rBV4	2705	5023	1.64%	0.273%
2	4.610	467	474	476	rBV5	3052	5738	1.88%	0.312%
3	6.878	839	846	858	rBV3	5951	20002	6.54%	1.088%
4	7.634	961	970	976	rBV2	42981	104134	34.03%	5.664%
5	7.707	976	982	995	rVB	84742	193990	63.39%	10.552%
6	8.061	1029	1040	1050	rBV2	38014	89988	29.41%	4.895%
7	8.616	1123	1131	1140	rBV	121005	242318	79.19%	13.180%
8	10.103	1368	1375	1385	rBV	176874	306006	100.00%	16.645%
9	10.512	1437	1442	1445	rBV2	3793	6260	2.05%	0.341%
10	10.871	1496	1501	1505	rBV4	1954	3215	1.05%	0.175%
11	11.243	1558	1562	1567	rBV6	2337	4179	1.37%	0.227%
12	11.414	1584	1590	1603	rBV	147873	246977	80.71%	13.434%
13	12.249	1722	1727	1733	rVB3	2891	5247	1.71%	0.285%
14	12.402	1745	1752	1763	rVB2	100754	175834	57.46%	9.564%
15	12.591	1771	1783	1794	rBV3	16221	45841	14.98%	2.493%
16	12.761	1801	1811	1815	rBV10	3708	11760	3.84%	0.640%
17	13.170	1871	1878	1883	rBV4	2196	4456	1.46%	0.242%
18	13.340	1898	1906	1916	rBV	95521	160414	52.42%	8.725%
19	13.511	1927	1934	1937	rBV3	9138	14944	4.88%	0.813%
20	13.542	1937	1939	1944	rVB4	4959	6554	2.14%	0.356%
21	13.596	1944	1948	1949	rBV3	4634	5933	1.94%	0.323%
22	13.889	1990	1996	2001	rBV2	30389	47139	15.40%	2.564%
23	13.944	2001	2005	2008	rBV3	2744	3546	1.16%	0.193%
24	13.993	2008	2013	2018	rVB5	7474	11860	3.88%	0.645%
25	14.212	2044	2049	2058	rVB3	15854	26906	8.79%	1.464%
26	14.480	2087	2093	2096	rBV4	8044	13334	4.36%	0.725%
27	14.596	2104	2112	2118	rVV3	17759	35362	11.56%	1.923%
28	14.657	2118	2122	2126	rVB4	2156	3782	1.24%	0.206%
29	14.858	2145	2155	2158	rBV6	4129	8055	2.63%	0.438%
30	14.956	2166	2171	2177	rBV7	3607	7947	2.60%	0.432%
31	15.139	2197	2201	2207	rVB4	3535	5248	1.71%	0.285%
32	15.297	2222	2227	2230	rVB6	1947	3276	1.07%	0.178%
33	15.925	2327	2330	2336	rVB6	1639	3200	1.05%	0.174%
34	16.169	2368	2370	2376	rVB5	2428	4521	1.48%	0.246%
35	16.370	2398	2403	2408	rBV7	2581	5479	1.79%	0.298%

Sample Results: **VY019765.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100224\
Data File : VY019765.D
Acq On : 02 Oct 2024 15:23
Operator : SY/MD
Sample : P4258-03
Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
Chamberlain Ave

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\82Y090924S.M
Title : SW846 8260

Sum of corrected areas: 1838468

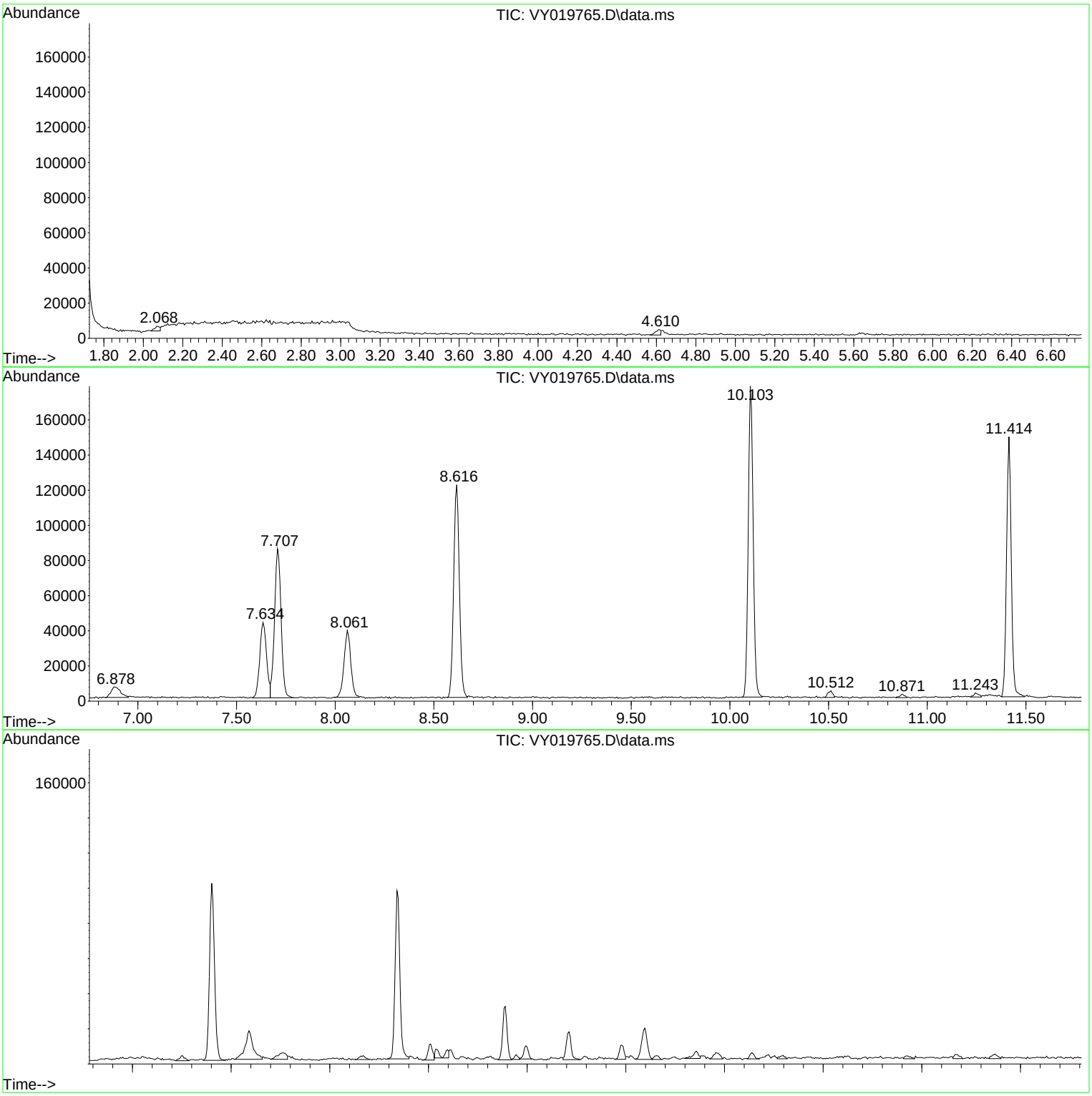
Sample Results: **VY019765.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100224\
Data File : VY019765.D
Acq On : 02 Oct 2024 15:23
Operator : SY/MD
Sample : P4258-03
Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
Chamberlain Ave

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100224\
Data File : VY019765.D
Acq On : 02 Oct 2024 15:23
Operator : SY/MD
Sample : P4258-03
Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
Chamberlain Ave

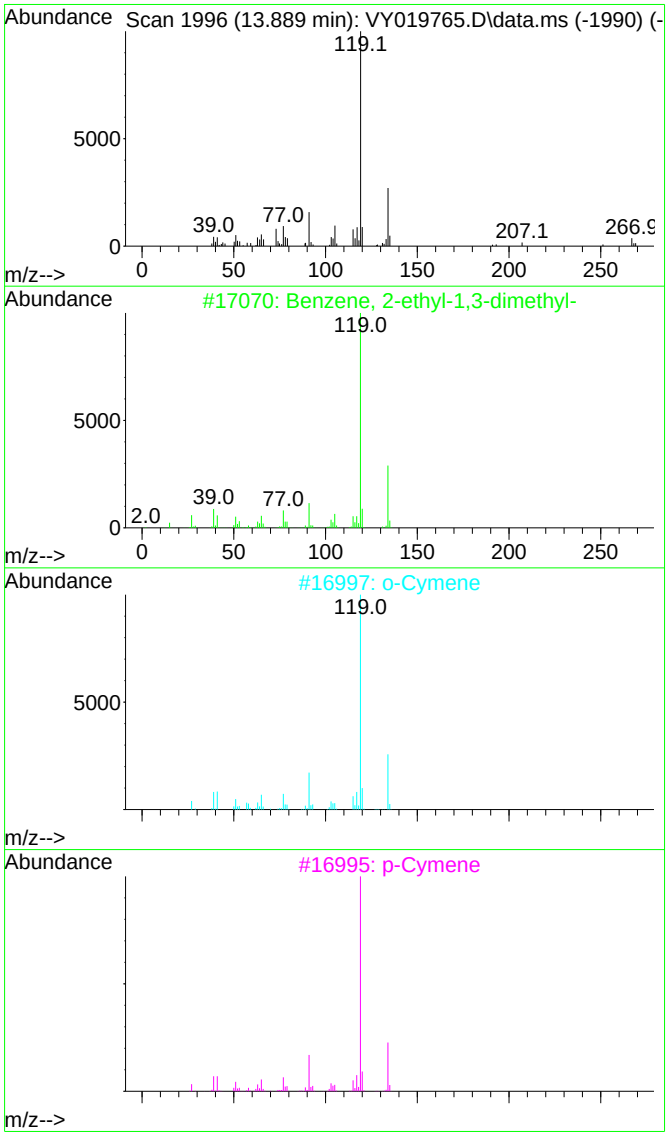
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
Quant Title : SW846 8260

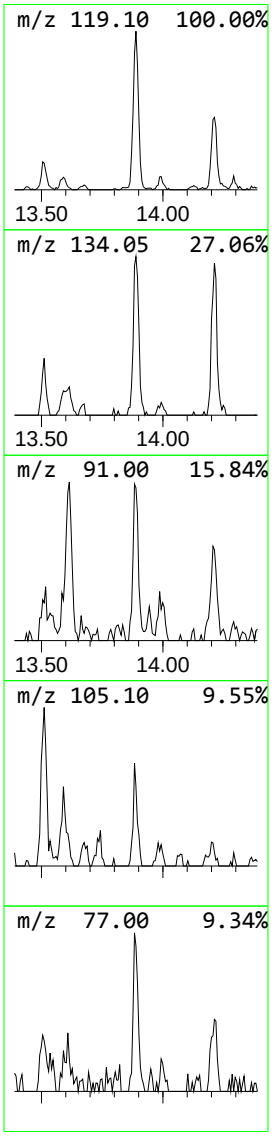
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.889	14.69 ug/l	47139	1,4-Dichlorobenzene-d4	13.340

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94
2	o-Cymene	134	C10H14	000527-84-4	94
3	p-Cymene	134	C10H14	000099-87-6	93
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	91
5	1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100224\
Data File : VY019765.D
Acq On : 02 Oct 2024 15:23
Operator : SY/MD
Sample : P4258-03
Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
Chamberlain Ave

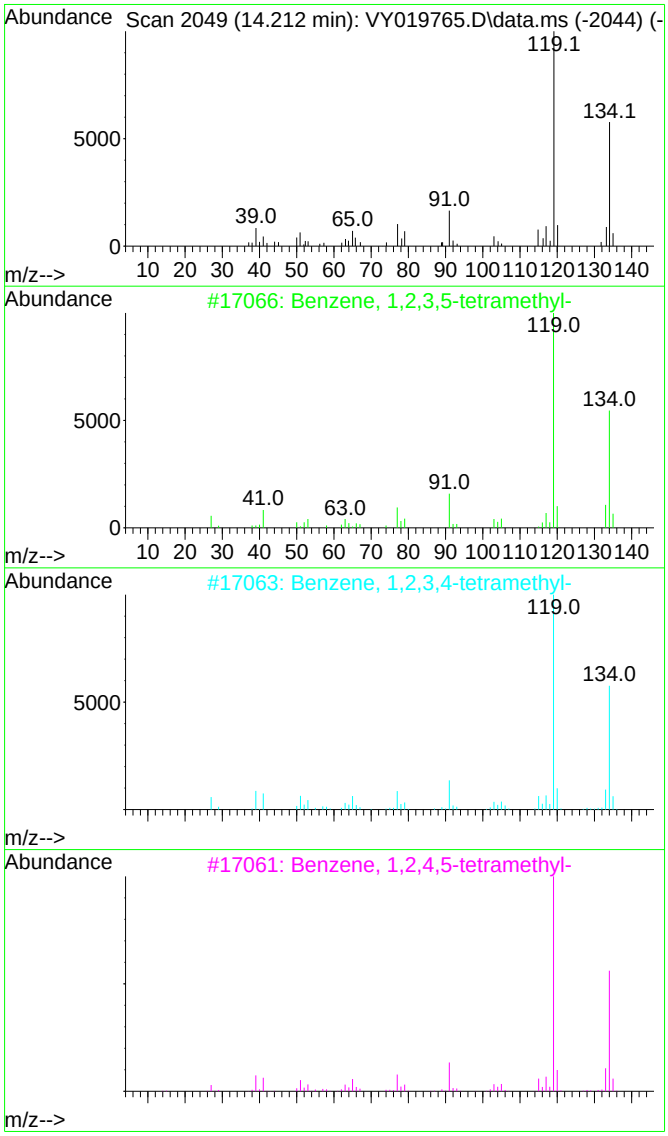
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
Quant Title : SW846 8260

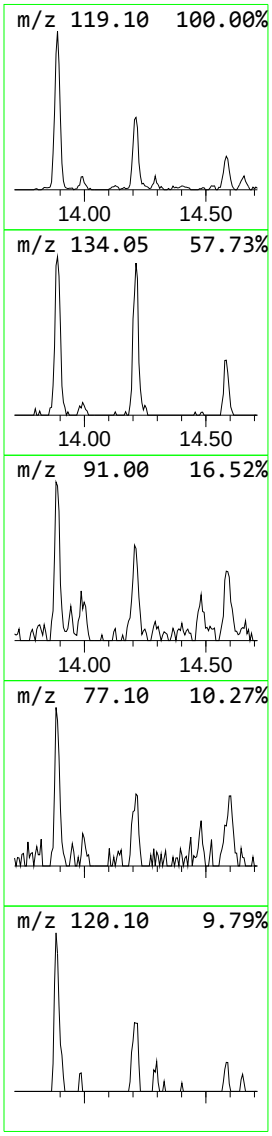
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.212	8.39 ug/l	26906	1,4-Dichlorobenzene-d4	13.340

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	97
2	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	94
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94
5	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100224\
Data File : VY019765.D
Acq On : 02 Oct 2024 15:23
Operator : SY/MD
Sample : P4258-03
Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
Chamberlain Ave

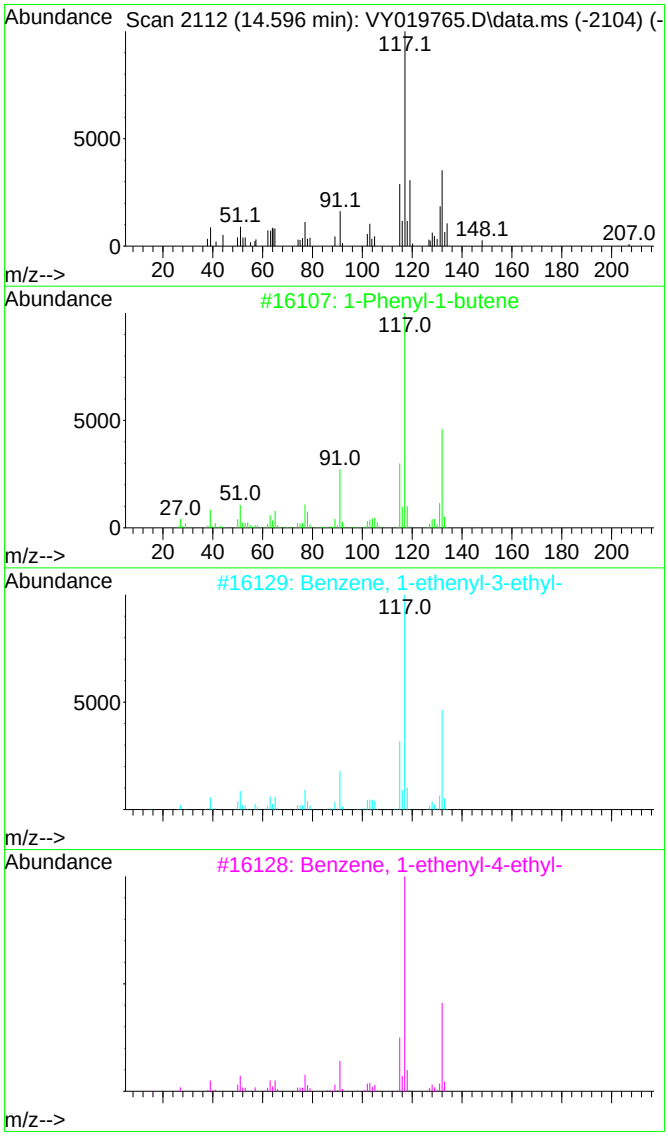
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
Quant Title : SW846 8260

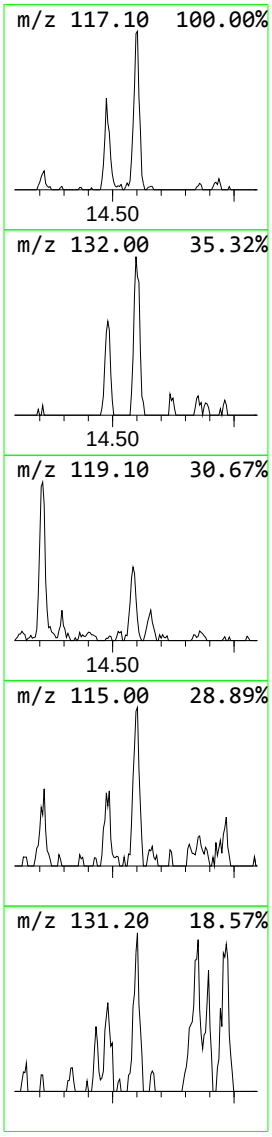
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 1-Phenyl-1-butene Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.596	11.02 ug/l	35362	1,4-Dichlorobenzene-d4	13.340

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenyl-1-butene	132	C10H12	000824-90-8	94
2	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	93
3	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	92
4	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	81
5	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	70





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100224\
Data File : VY019765.D
Acq On : 02 Oct 2024 15:23
Operator : SY/MD
Sample : P4258-03
Misc : 5.08g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
Chamberlain Ave

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
Quant Title : SW846 8260

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Benzene, 2-ethy...	13.889	14.7	ug/l	47139	4	13.340	160414	50.0
Benzene, 1,2,3,...	14.212	8.4	ug/l	26906	4	13.340	160414	50.0
1-Phenyl-1-butene	14.596	11.0	ug/l	35362	4	13.340	160414	50.0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100324\
Data File : VY019780.D
Acq On : 03 Oct 2024 12:10
Operator : SY/MD
Sample : P4258-03RE
Misc : 4.99g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
Chamberlain AveRE

Quant Time: Oct 04 04:20:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
Quant Title : SW846 8260
QLast Update : Mon Sep 09 16:00:30 2024
Response via : Initial Calibration

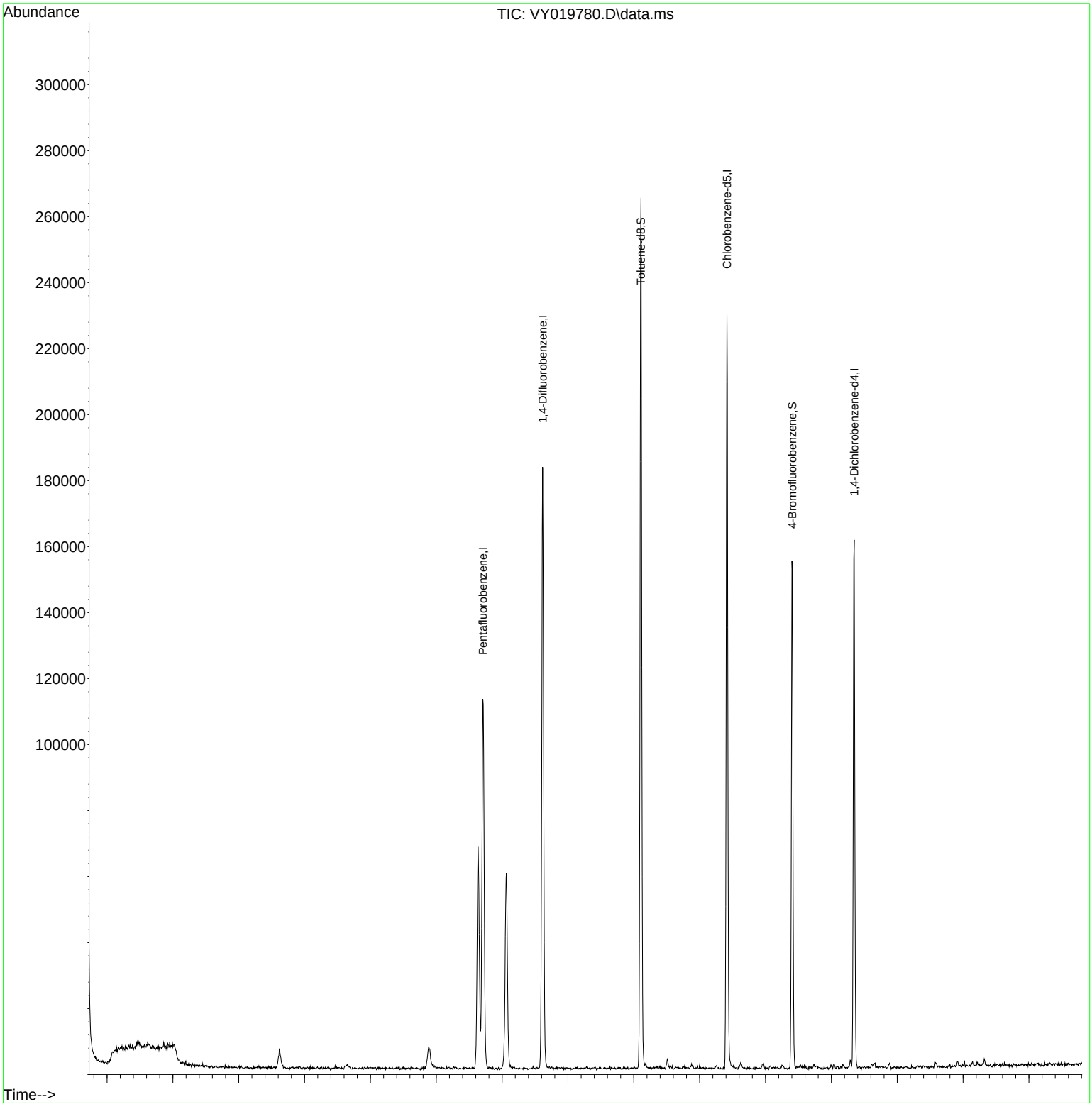
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	82774	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	150343	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	119106	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	38457	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	47695	62.227	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 124.460%			
35) Dibromofluoromethane	7.634	113	48548	56.953	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 113.900%			
50) Toluene-d8	10.109	98	170941	54.217	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 108.440%			
62) 4-Bromofluorobenzene	12.408	95	49064	40.471	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 80.940%			
Target Compounds						Qvalue
95) Naphthalene	15.145	128	1413	1.081	ug/l #	83

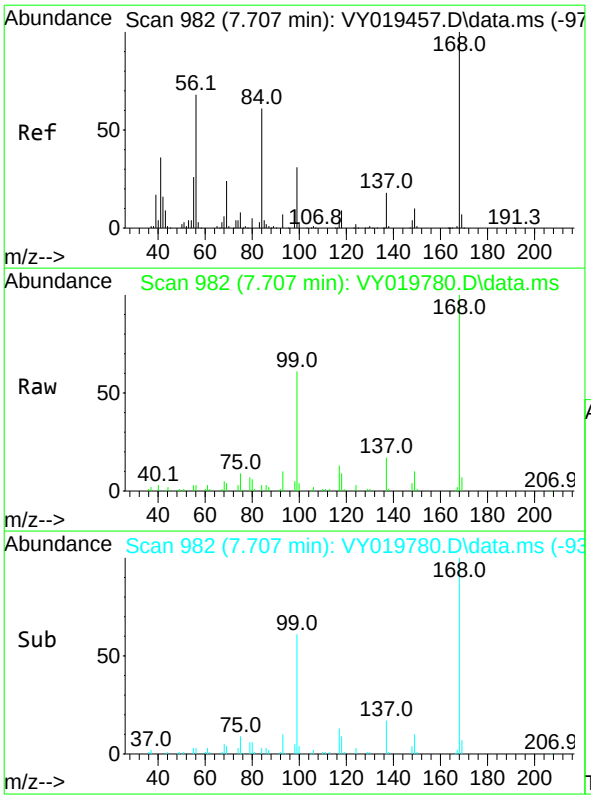
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100324\
Data File : VY019780.D
Acq On : 03 Oct 2024 12:10
Operator : SY/MD
Sample : P4258-03RE
Misc : 4.99g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
Chamberlain AveRE

Quant Time: Oct 04 04:20:42 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
Quant Title : SW846 8260
QLast Update : Mon Sep 09 16:00:30 2024
Response via : Initial Calibration



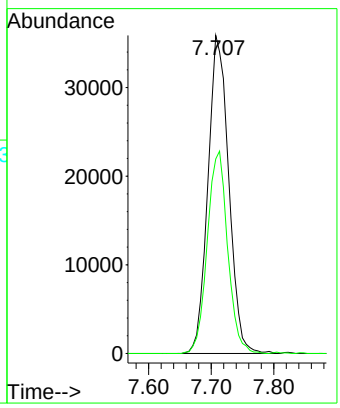


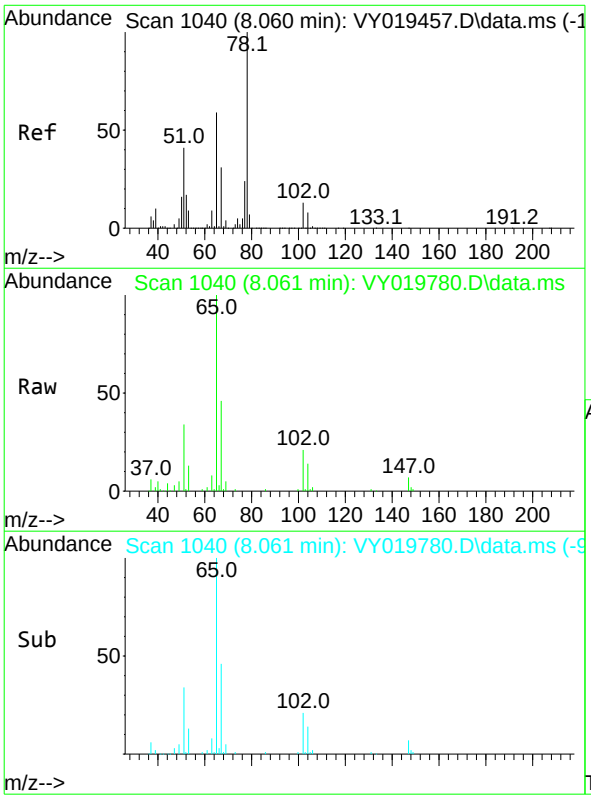
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY019780.D
Acq: 03 Oct 2024 12:10

Instrument :
MSVOA_Y
ClientSampleId :
Chamberlain AveRE

Tgt Ion:168 Resp: 82774

Ion	Ratio	Lower	Upper
168	100		
99	61.2	39.1	58.7#

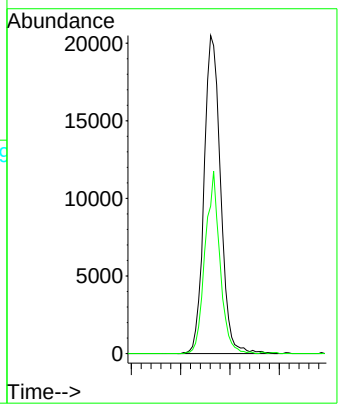


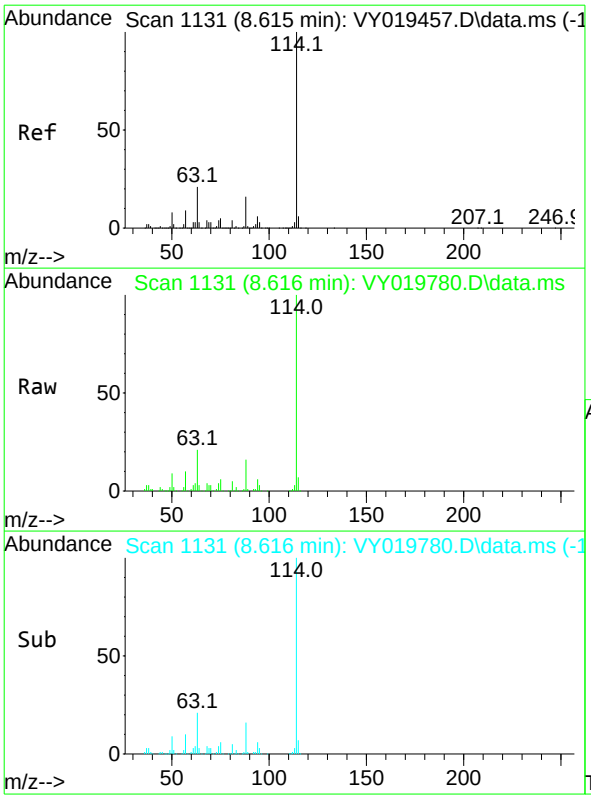


#33
1,2-Dichloroethane-d4
Concen: 62.227 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY019780.D
Acq: 03 Oct 2024 12:10

Tgt Ion: 65 Resp: 47695

Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	109.6



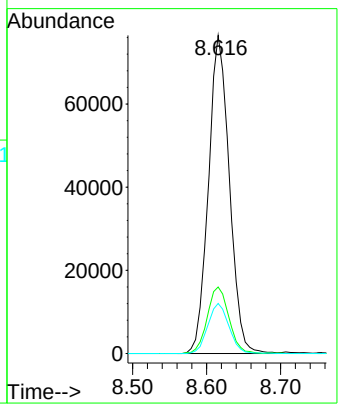


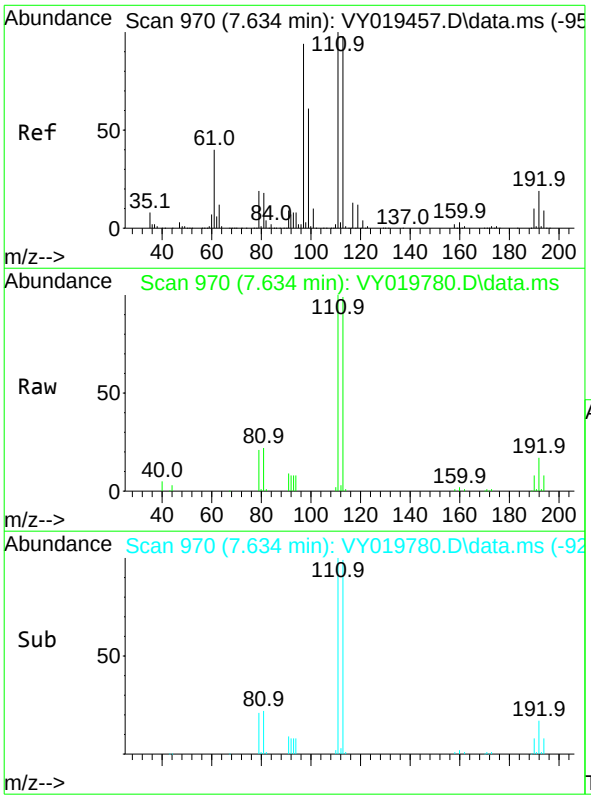
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY019780.D
Acq: 03 Oct 2024 12:10

Instrument :
MSVOA_Y
ClientSampleId :
Chamberlain AveRE

Tgt Ion:114 Resp: 150343

Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	35.0
88	15.7	0.0	27.2

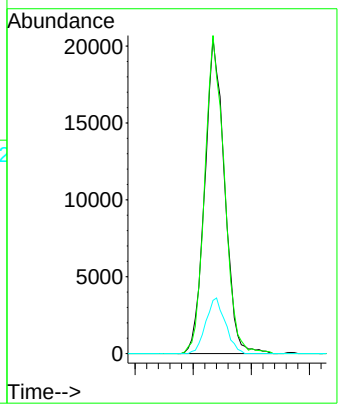


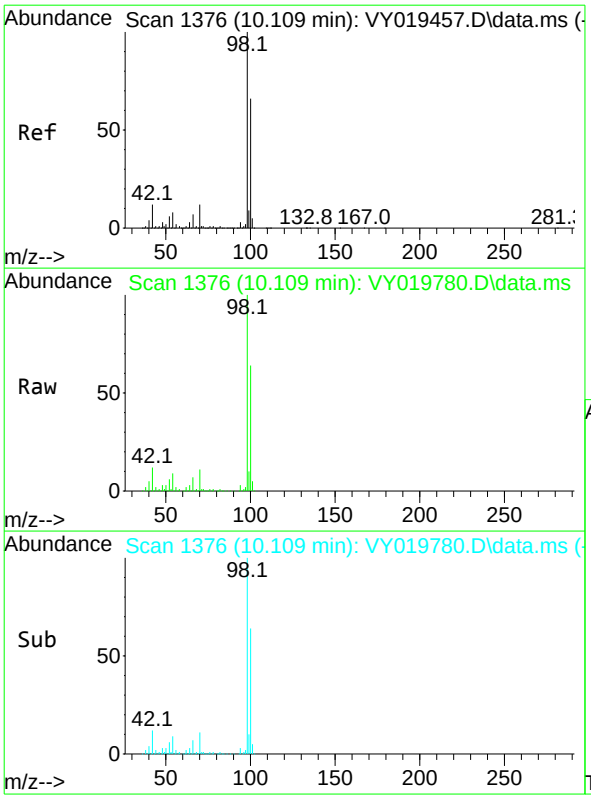


#35
Dibromofluoromethane
Concen: 56.953 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY019780.D
Acq: 03 Oct 2024 12:10

Tgt Ion:113 Resp: 48548

Ion	Ratio	Lower	Upper
113	100		
111	100.1	82.2	123.4
192	17.3	15.9	23.9



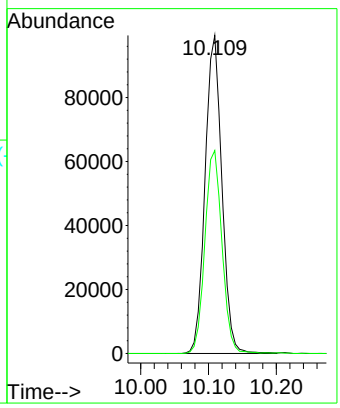


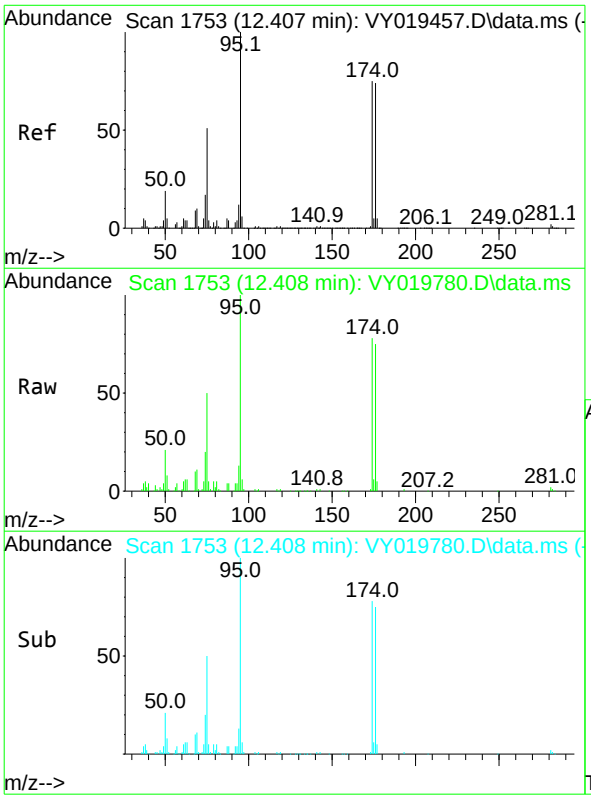
#50
Toluene-d8
Concen: 54.217 ug/l
RT: 10.109 min Scan# 13
Delta R.T. 0.000 min
Lab File: VY019780.D
Acq: 03 Oct 2024 12:10

Instrument :
MSVOA_Y
ClientSampleId :
Chamberlain AveRE

Tgt Ion: 98 Resp: 170941

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.0	78.0

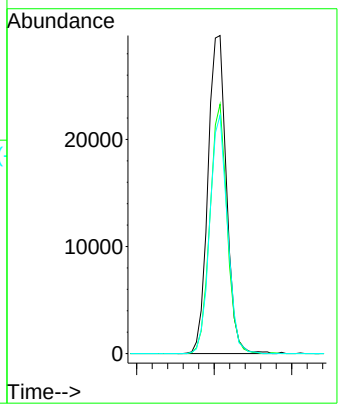


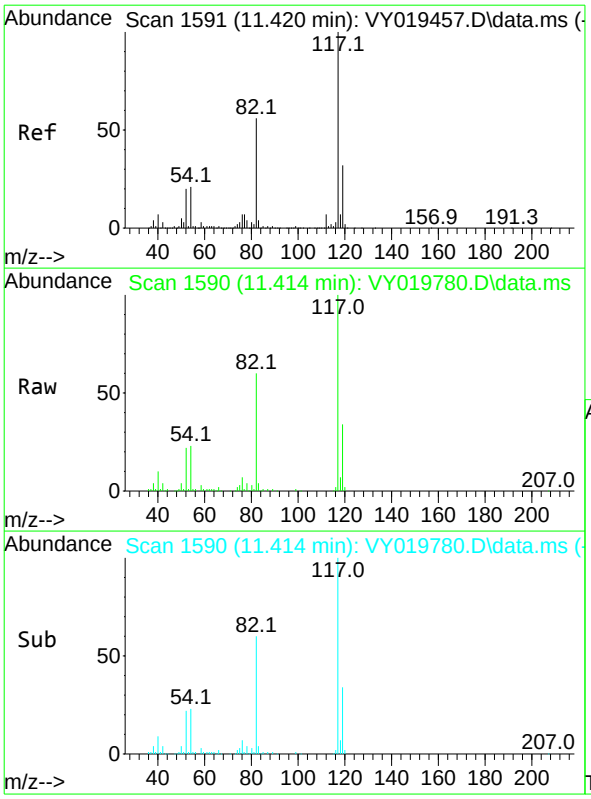


#62
4-Bromofluorobenzene
Concen: 40.471 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY019780.D
Acq: 03 Oct 2024 12:10

Tgt Ion: 95 Resp: 49064

Ion	Ratio	Lower	Upper
95	100		
174	73.0	0.0	175.6
176	71.7	0.0	171.4



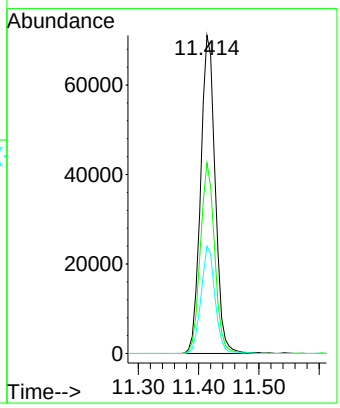


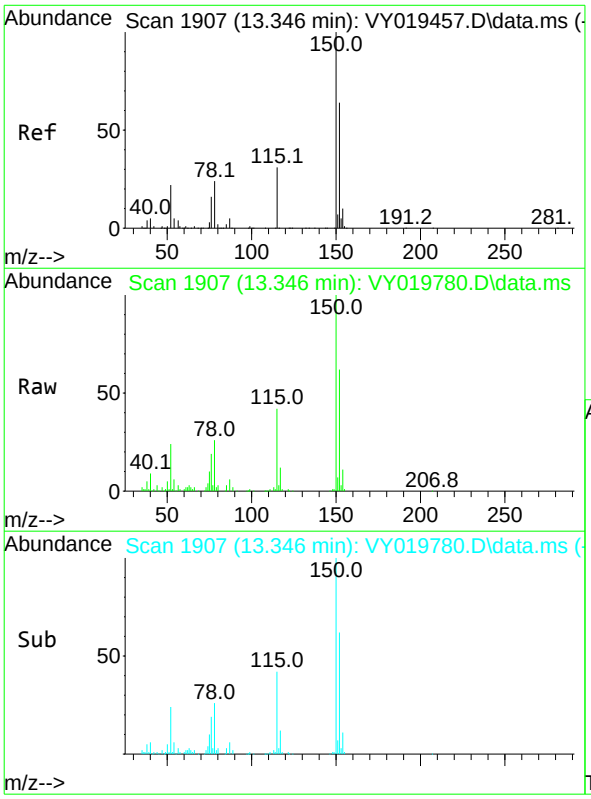
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 15
Delta R.T. -0.006 min
Lab File: VY019780.D
Acq: 03 Oct 2024 12:10

Instrument :
MSVOA_Y
ClientSampleId :
Chamberlain AveRE

Tgt Ion:117 Resp: 119106

Ion	Ratio	Lower	Upper
117	100		
82	59.9	42.4	63.6
119	33.7	25.9	38.9

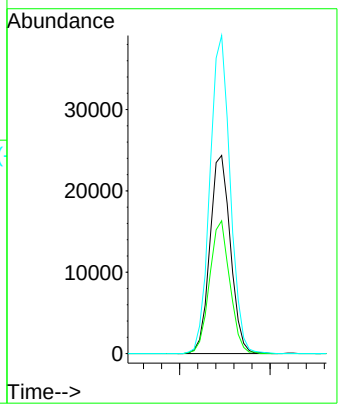


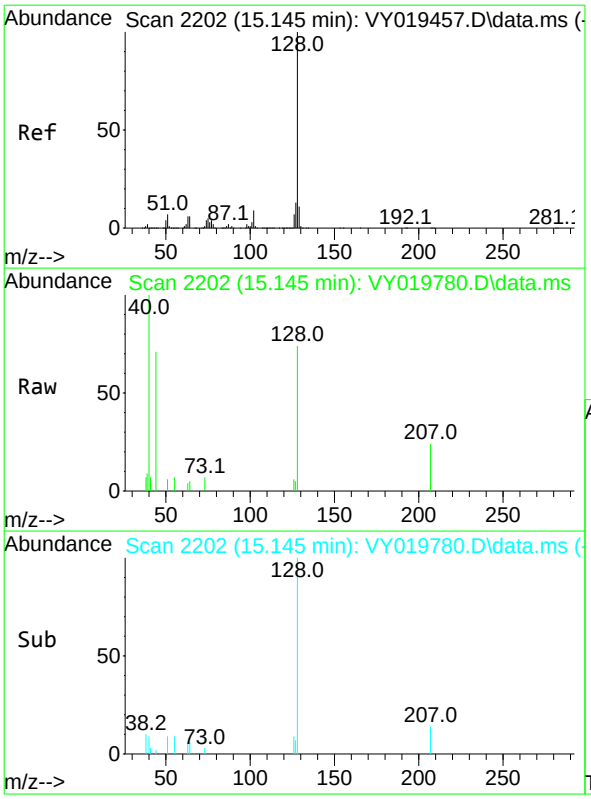


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY019780.D
Acq: 03 Oct 2024 12:10

Tgt Ion:152 Resp: 38457

Ion	Ratio	Lower	Upper
152	100		
115	66.0	28.2	84.7
150	158.4	0.0	345.6



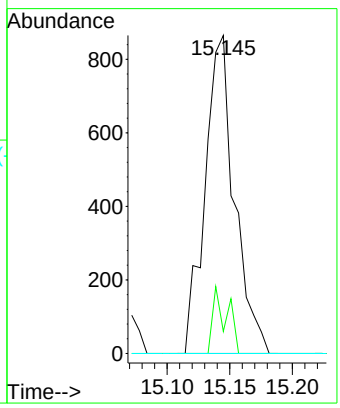


#95
Naphthalene
Concen: 1.081 ug/l
RT: 15.145 min Scan# 22
Delta R.T. 0.000 min
Lab File: VY019780.D
Acq: 03 Oct 2024 12:10

Instrument :
MSVOA_Y
ClientSampleId :
Chamberlain AveRE

Tgt Ion:128 Resp: 1413

Ion	Ratio	Lower	Upper
128	100		
127	10.1	10.6	16.0#
129	0.0	8.6	13.0#



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100224\
Data File : VY019757.D
Acq On : 02 Oct 2024 10:13
Operator : SY/MD
Sample : VY1002SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1002SBL01

Quant Time: Oct 03 01:58:44 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
Quant Title : SW846 8260
QLast Update : Mon Sep 09 16:00:30 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Pentafluorobenzene	7.713	168	286214	50.000 ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	551968	50.000 ug/l	0.00
63) Chlorobenzene-d5	11.414	117	482661	50.000 ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	169673	50.000 ug/l	0.00
System Monitoring Compounds					
33) 1,2-Dichloroethane-d4	8.061	65	167942	63.368 ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 126.740%		
35) Dibromofluoromethane	7.634	113	173639	55.484 ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.960%		
50) Toluene-d8	10.109	98	654579	56.549 ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 113.100%		
62) 4-Bromofluorobenzene	12.402	95	204991	46.056 ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 92.120%		
Target Compounds					Qvalue

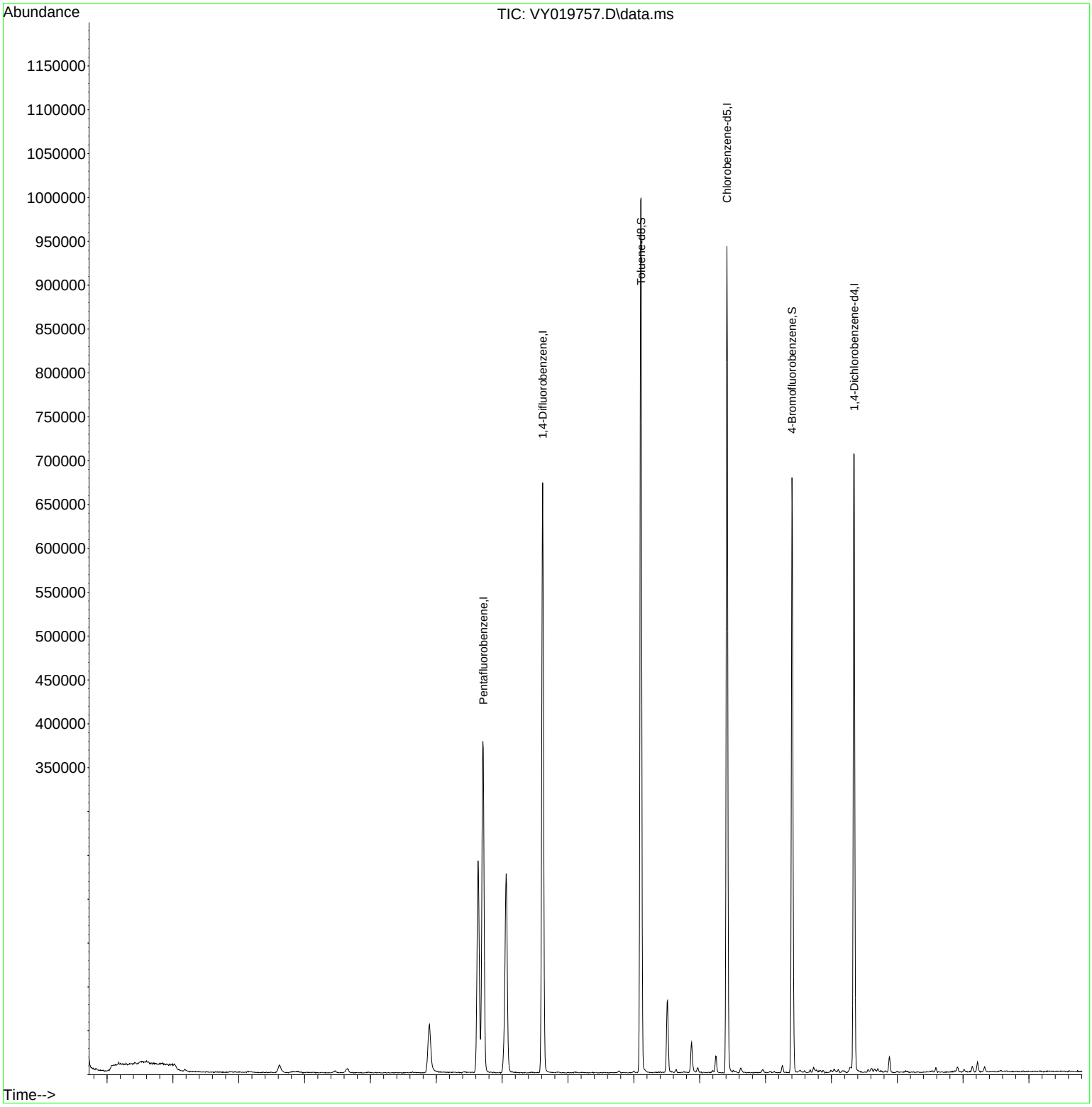
(#) = qualifier out of range (m) = manual integration (+) = signals summed

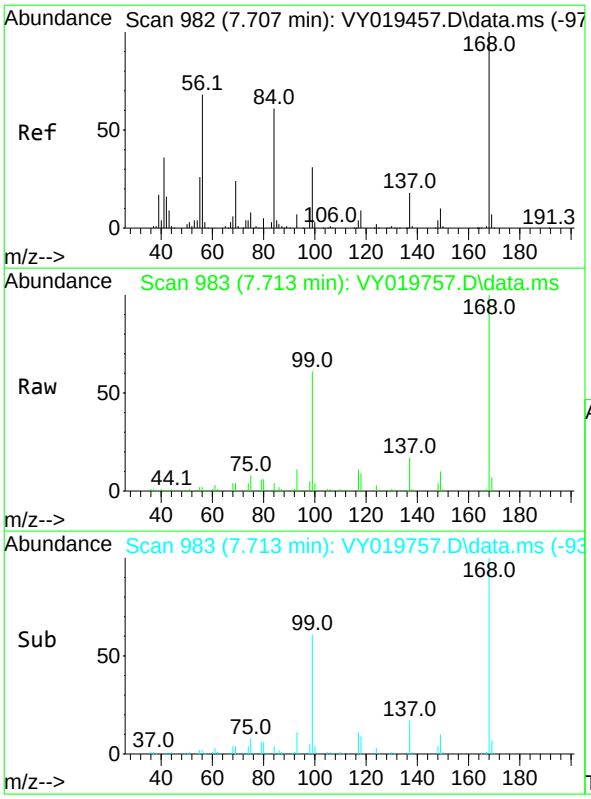
Sample Results: **VY019757.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100224\
Data File : VY019757.D
Acq On : 02 Oct 2024 10:13
Operator : SY/MD
Sample : VY1002SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1002SBL01

Quant Time: Oct 03 01:58:44 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
Quant Title : SW846 8260
QLast Update : Mon Sep 09 16:00:30 2024
Response via : Initial Calibration



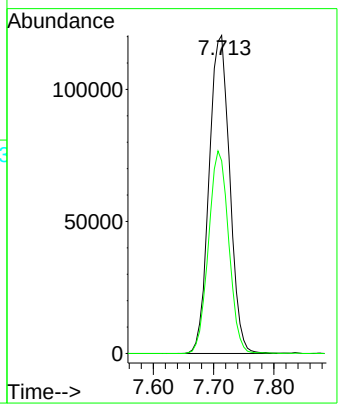


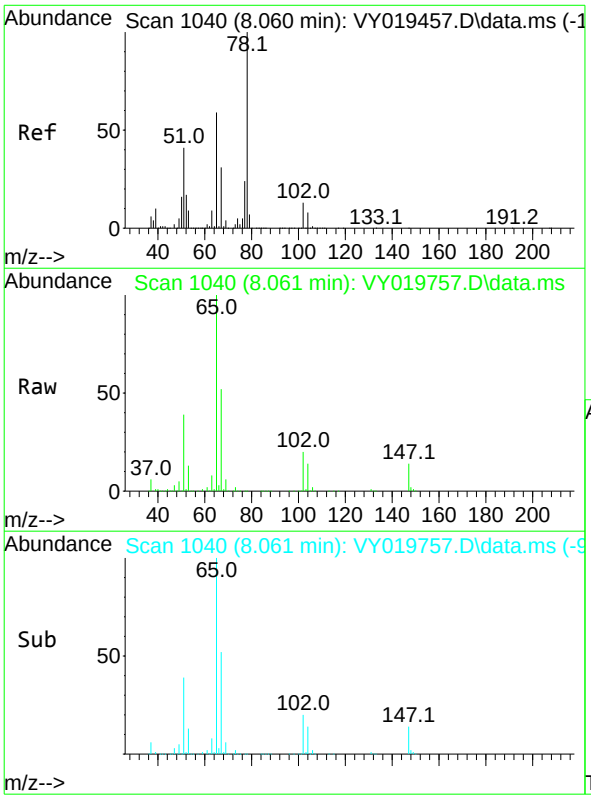
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 98
Delta R.T. 0.006 min
Lab File: VY019757.D
Acq: 02 Oct 2024 10:13

Instrument :
MSVOA_Y
ClientSampleId :
VY1002SBL01

Tgt Ion:168 Resp: 286214

Ion	Ratio	Lower	Upper
168	100		
99	60.6	39.1	58.7#

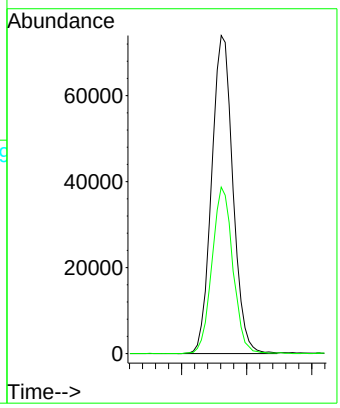


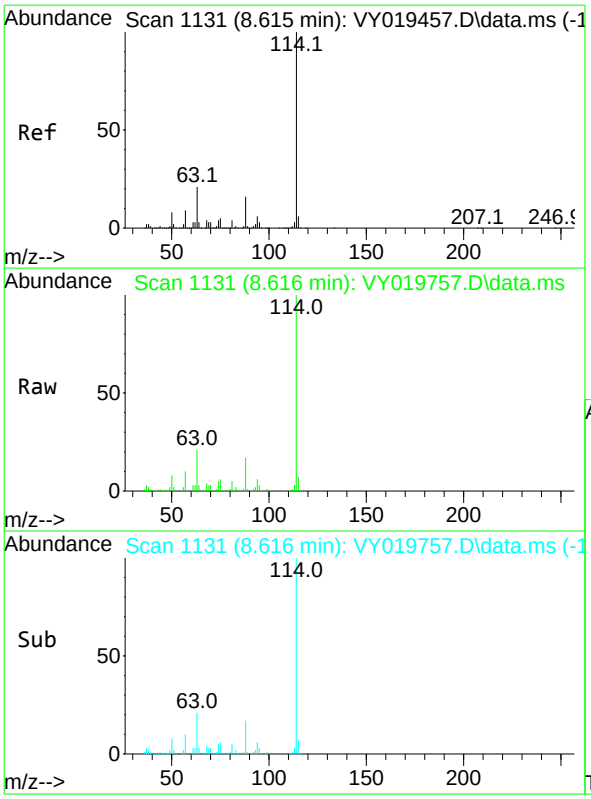


#33
1,2-Dichloroethane-d4
Concen: 63.368 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY019757.D
Acq: 02 Oct 2024 10:13

Tgt Ion: 65 Resp: 167942

Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	109.6



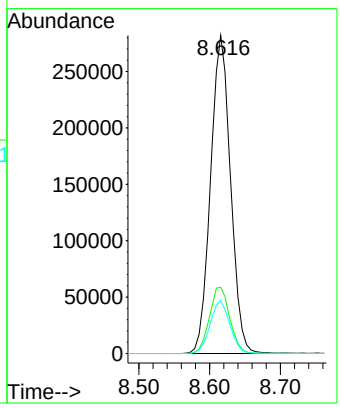


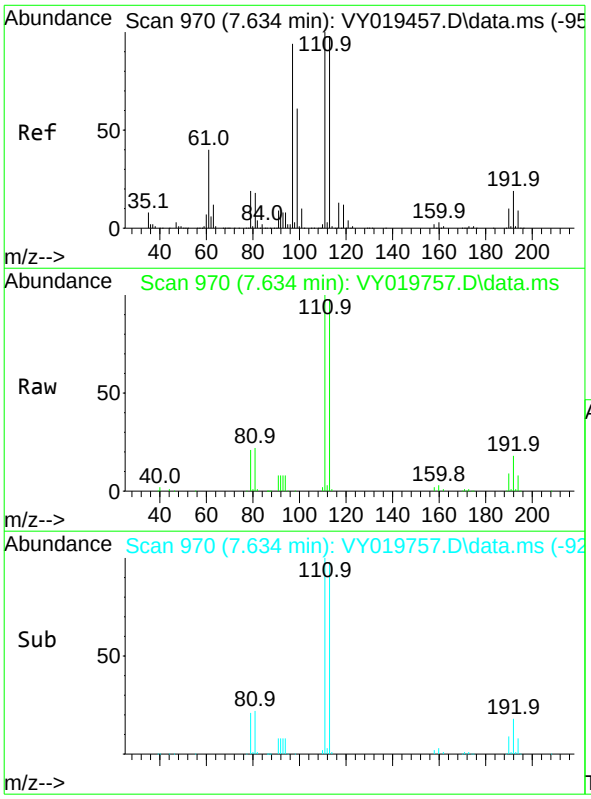
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY019757.D
Acq: 02 Oct 2024 10:13

Instrument :
MSVOA_Y
ClientSampleId :
VY1002SBL01

Tgt Ion:114 Resp: 551968

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	35.0
88	16.7	0.0	27.2

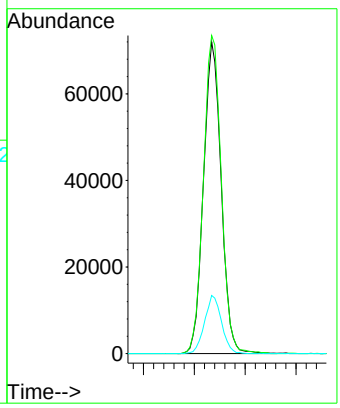


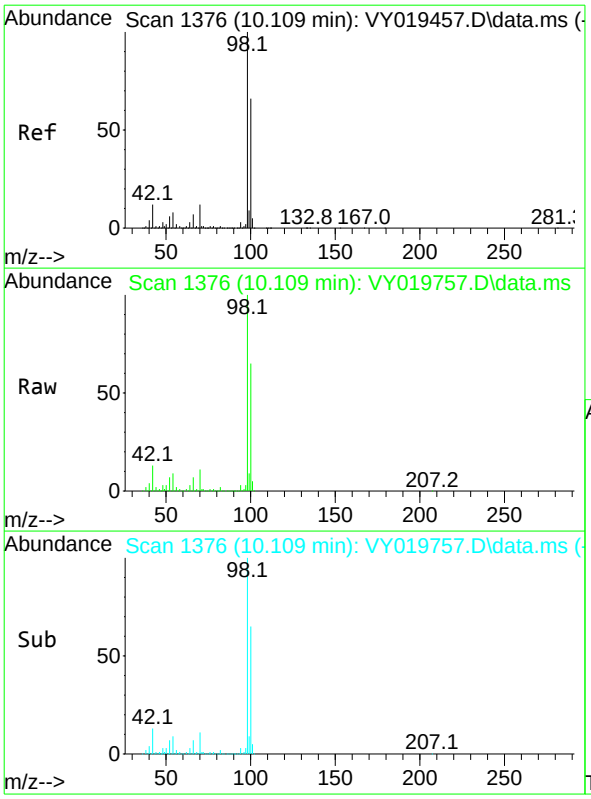


#35
Dibromofluoromethane
Concen: 55.484 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY019757.D
Acq: 02 Oct 2024 10:13

Tgt Ion:113 Resp: 173639

Ion	Ratio	Lower	Upper
113	100		
111	103.4	82.2	123.4
192	17.9	15.9	23.9



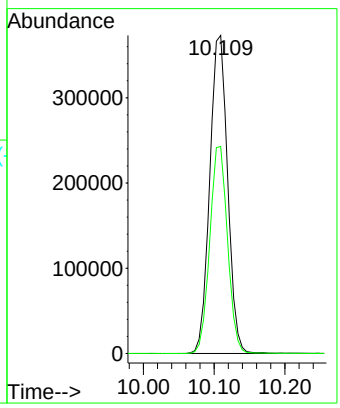


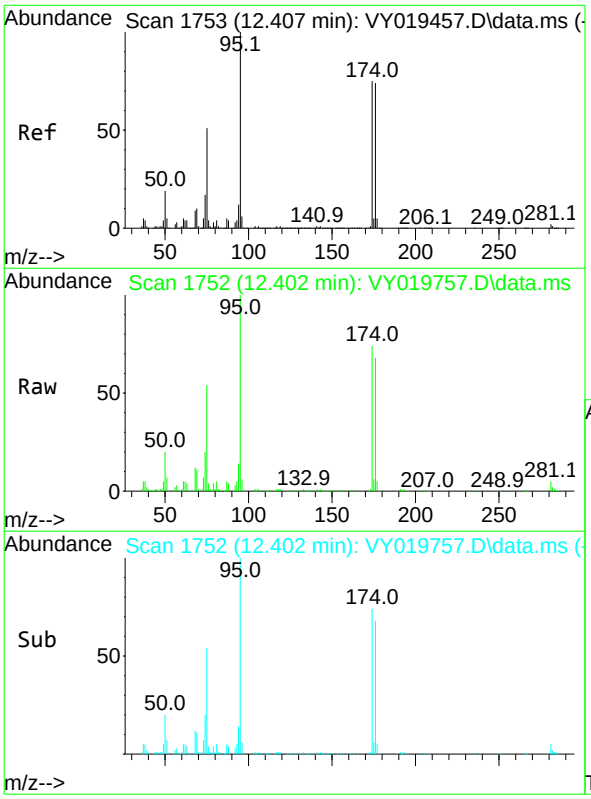
#50
Toluene-d8
Concen: 56.549 ug/l
RT: 10.109 min Scan# 13
Delta R.T. 0.000 min
Lab File: VY019757.D
Acq: 02 Oct 2024 10:13

Instrument :
MSVOA_Y
ClientSampleId :
VY1002SBL01

Tgt Ion: 98 Resp: 654579

Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.0	78.0

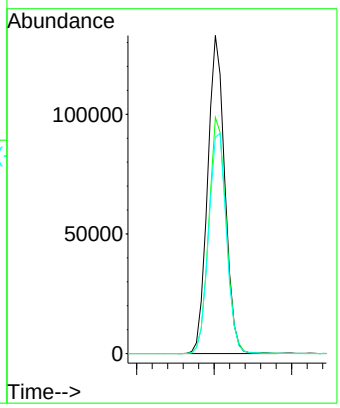


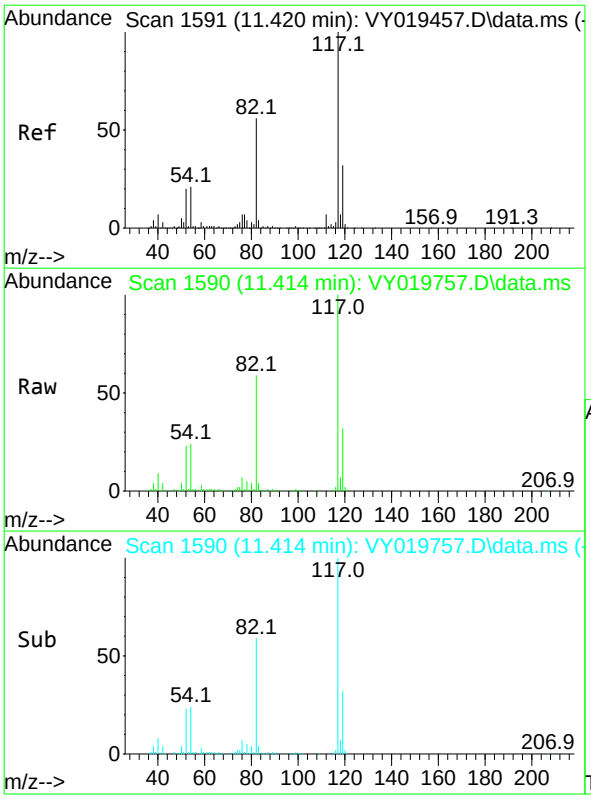


#62
4-Bromofluorobenzene
Concen: 46.056 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY019757.D
Acq: 02 Oct 2024 10:13

Tgt Ion: 95 Resp: 204991

Ion	Ratio	Lower	Upper
95	100		
174	75.2	0.0	175.6
176	72.1	0.0	171.4



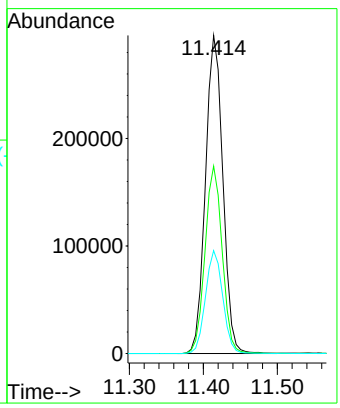


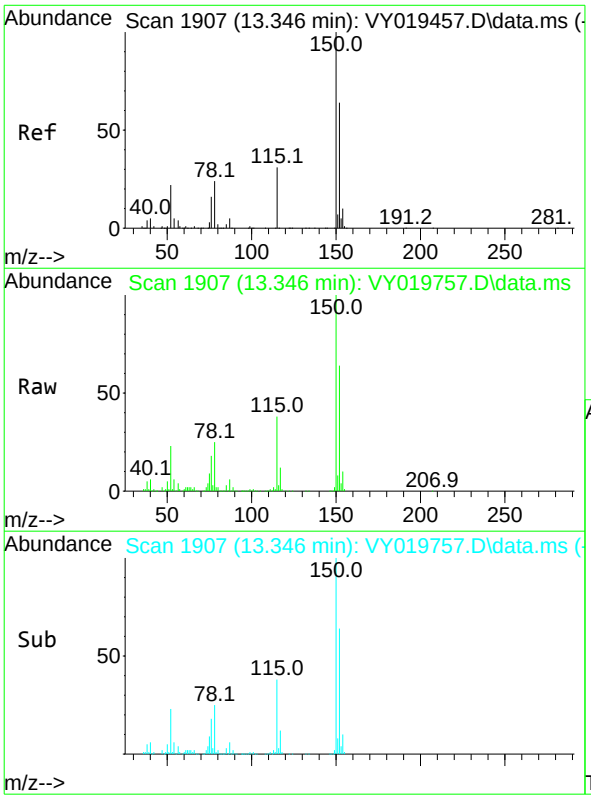
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 15
Delta R.T. -0.006 min
Lab File: VY019757.D
Acq: 02 Oct 2024 10:13

Instrument :
MSVOA_Y
ClientSampleId :
VY1002SBL01

Tgt Ion:117 Resp: 482661

Ion	Ratio	Lower	Upper
117	100		
82	58.9	42.4	63.6
119	32.3	25.9	38.9

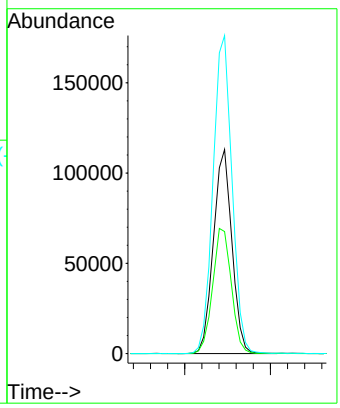




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY019757.D
Acq: 02 Oct 2024 10:13

Tgt Ion:152 Resp: 169673

Ion	Ratio	Lower	Upper
152	100		
115	62.1	28.2	84.7
150	159.5	0.0	345.6



Sample Results: **VY019757.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100224\
Data File : VY019757.D
Acq On : 02 Oct 2024 10:13
Operator : SY/MD
Sample : VY1002SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1002SBL01

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\82Y090924S.M
Title : SW846 8260

Signal : TIC: VY019757.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	465	475	484	rBV4	8798	28099	1.59%	0.298%
2	6.896	834	849	863	rBV	55104	179700	10.17%	1.905%
3	7.634	959	970	976	rBV	241788	581728	32.93%	6.165%
4	7.707	976	982	994	rVB	377132	893058	50.55%	9.465%
5	8.061	1026	1040	1051	rBV2	227259	581590	32.92%	6.164%
6	8.616	1121	1131	1148	rBV	672838	1324041	74.94%	14.033%
7	10.109	1367	1376	1392	rBV	997249	1766815	100.00%	18.726%
8	10.512	1435	1442	1449	rBV	81629	151037	8.55%	1.601%
9	10.877	1494	1502	1509	rBV3	34280	64343	3.64%	0.682%
10	11.243	1558	1562	1571	rVB2	19229	32775	1.86%	0.347%
11	11.414	1583	1590	1604	rBV	942133	1537524	87.02%	16.295%
12	12.402	1745	1752	1762	rBV2	678649	1128678	63.88%	11.962%
13	13.340	1900	1906	1921	rVB	704386	1117288	63.24%	11.842%
14	13.883	1989	1995	2002	rVB2	17654	28783	1.63%	0.305%
15	15.218	2209	2214	2221	rVB	11788	19854	1.12%	0.210%

Sum of corrected areas: 9435313

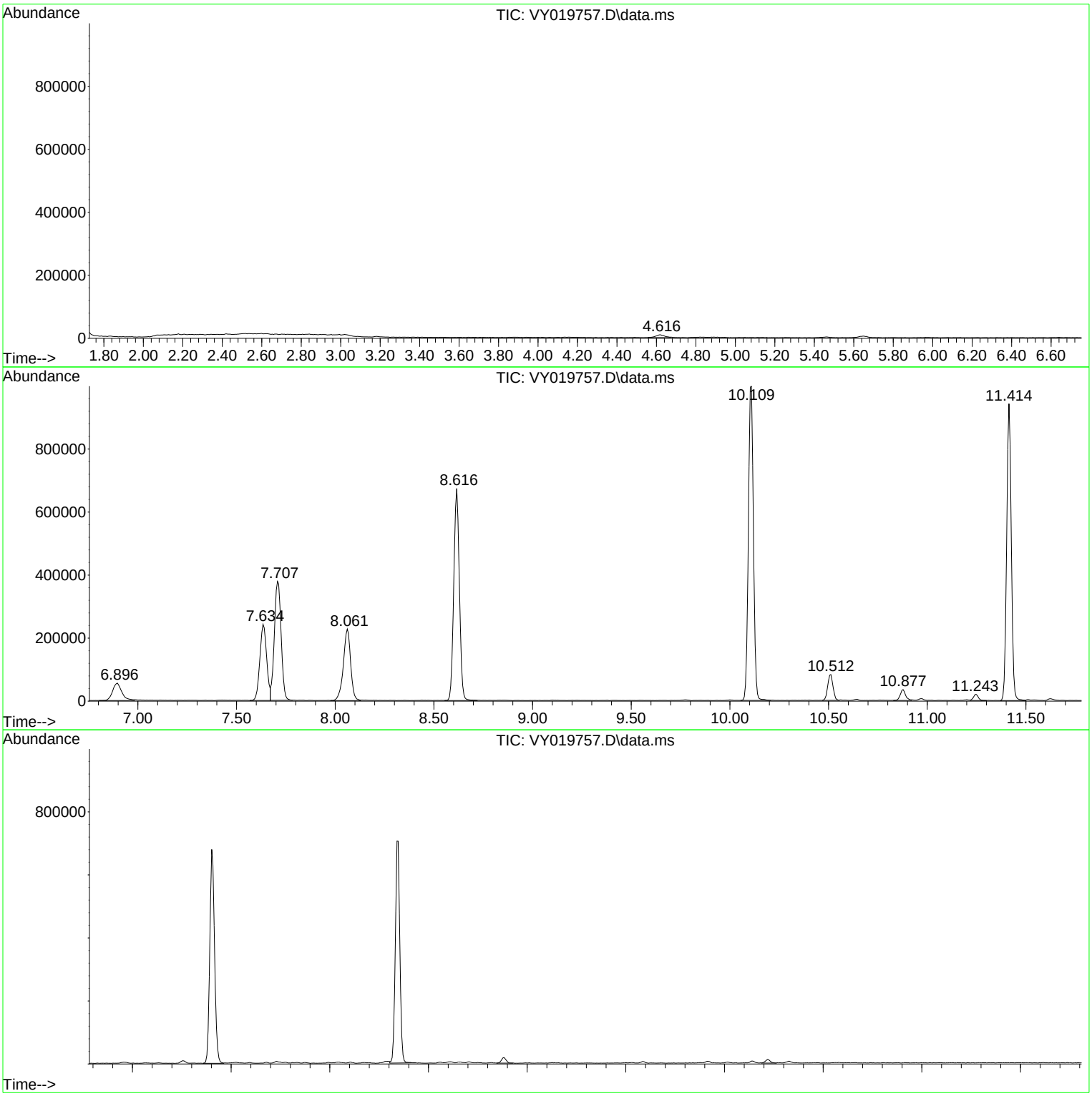
Sample Results: **VY019757.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100224\
Data File : VY019757.D
Acq On : 02 Oct 2024 10:13
Operator : SY/MD
Sample : VY1002SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1002SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
Quant Title : SW846 8260

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



Sample Results: **VY019757.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100224\
Data File : VY019757.D
Acq On : 02 Oct 2024 10:13
Operator : SY/MD
Sample : VY1002SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1002SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.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\VY100224\
Data File : VY019757.D
Acq On : 02 Oct 2024 10:13
Operator : SY/MD
Sample : VY1002SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1002SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.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\VY100324\
Data File : VY019777.D
Acq On : 03 Oct 2024 10:17
Operator : SY/MD
Sample : VY1003SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1003SBL01

Quant Time: Oct 04 01:22:23 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
Quant Title : SW846 8260
QLast Update : Mon Sep 09 16:00:30 2024
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Pentafluorobenzene	7.707	168	267988	50.000 ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	512122	50.000 ug/l	0.00
63) Chlorobenzene-d5	11.414	117	450147	50.000 ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	160873	50.000 ug/l	0.00
System Monitoring Compounds					
33) 1,2-Dichloroethane-d4	8.061	65	152175	61.324 ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 122.640%		
35) Dibromofluoromethane	7.640	113	160925	55.422 ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.840%		
50) Toluene-d8	10.109	98	611282	56.917 ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 113.840%		
62) 4-Bromofluorobenzene	12.401	95	191072	46.269 ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 92.540%		
Target Compounds					Qvalue

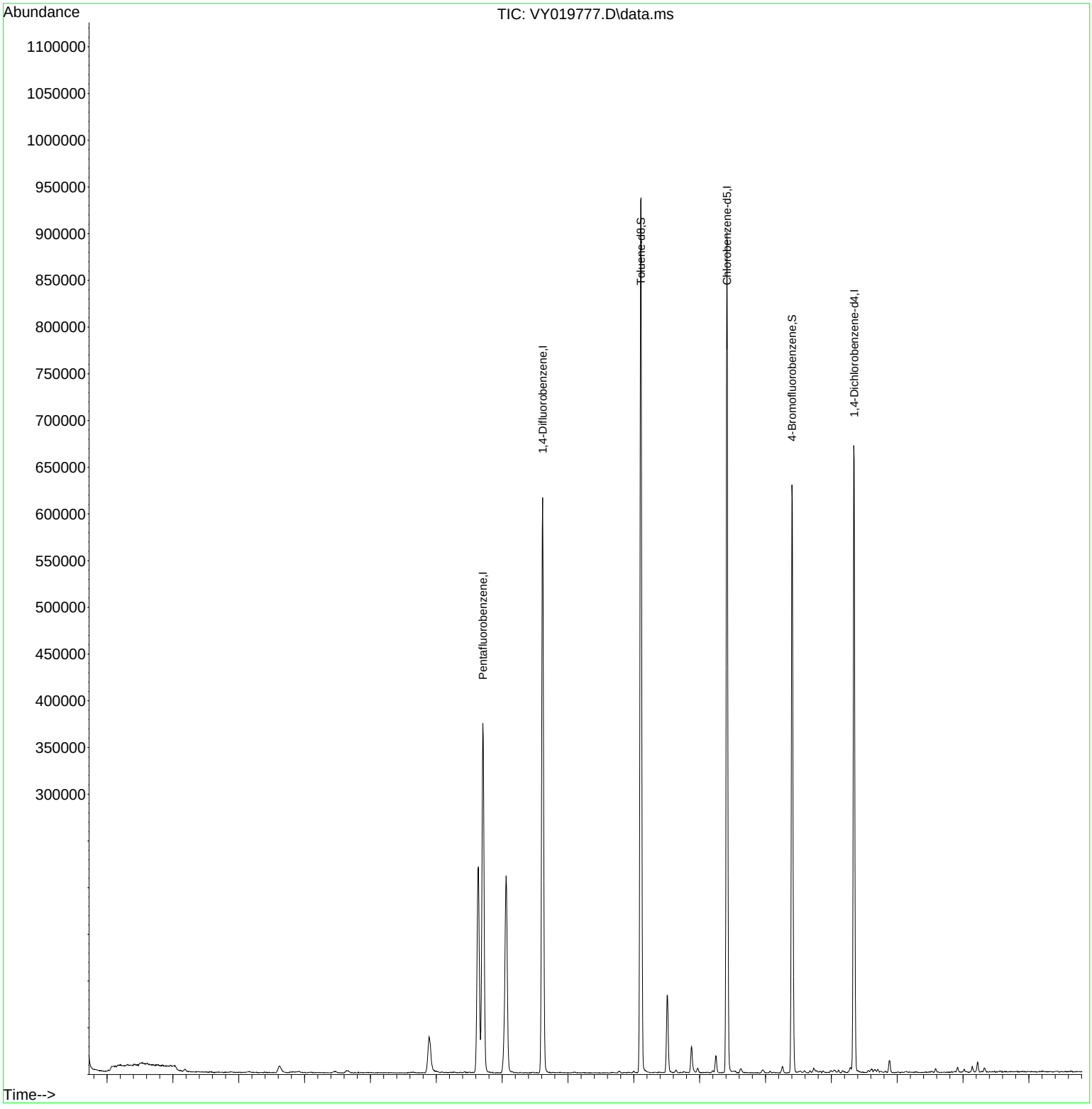
(#) = qualifier out of range (m) = manual integration (+) = signals summed

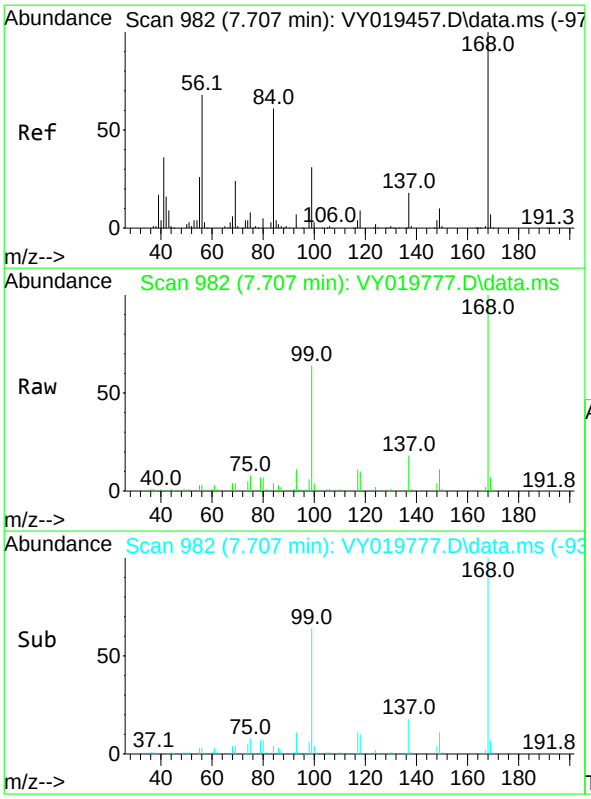
Sample Results: **VY019777.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100324\
Data File : VY019777.D
Acq On : 03 Oct 2024 10:17
Operator : SY/MD
Sample : VY1003SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1003SBL01

Quant Time: Oct 04 01:22:23 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
Quant Title : SW846 8260
QLast Update : Mon Sep 09 16:00:30 2024
Response via : Initial Calibration



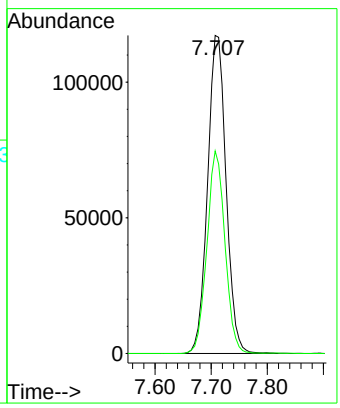


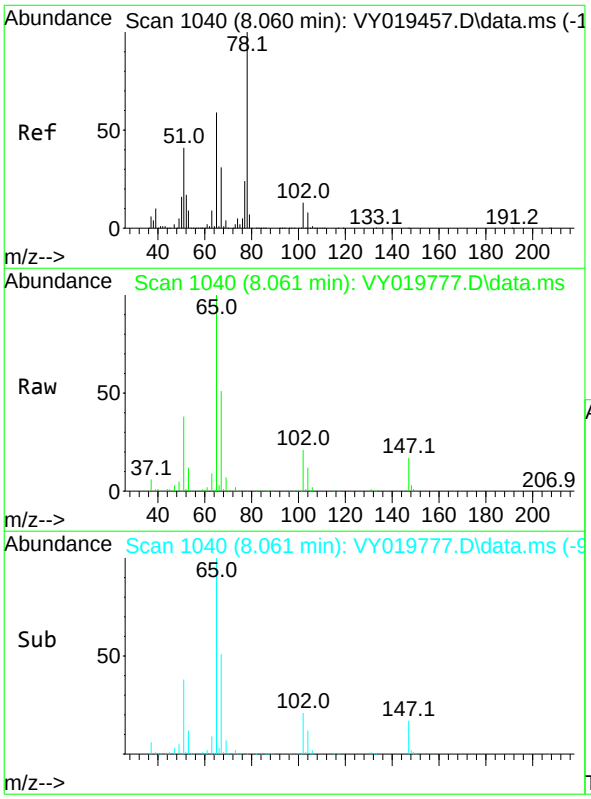
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 98
Delta R.T. 0.000 min
Lab File: VY019777.D
Acq: 03 Oct 2024 10:17

Instrument :
MSVOA_Y
ClientSampleId :
VY1003SBL01

Tgt Ion:168 Resp: 267988

Ion	Ratio	Lower	Upper
168	100		
99	63.7	39.1	58.7#

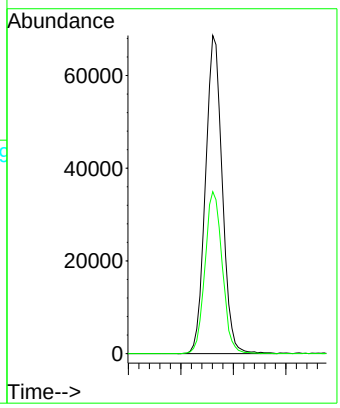


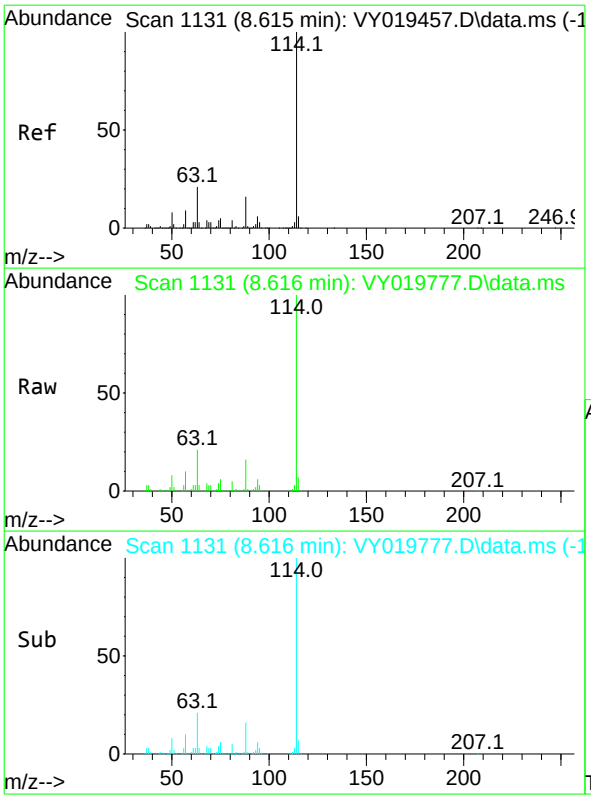


#33
1,2-Dichloroethane-d4
Concen: 61.324 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY019777.D
Acq: 03 Oct 2024 10:17

Tgt Ion: 65 Resp: 152175

Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	109.6



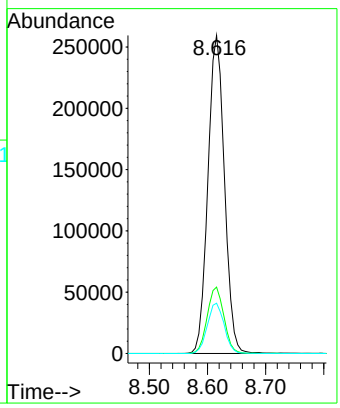


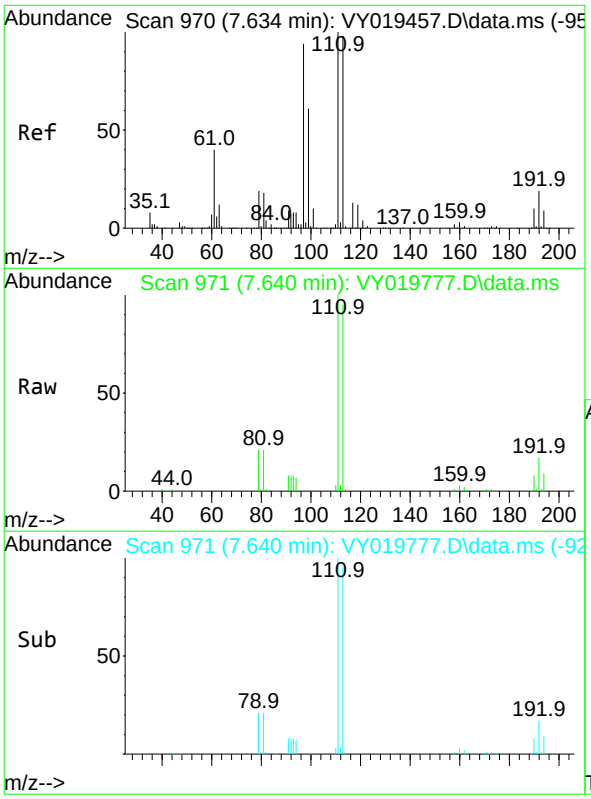
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY019777.D
Acq: 03 Oct 2024 10:17

Instrument :
MSVOA_Y
ClientSampleId :
VY1003SBL01

Tgt Ion:114 Resp: 512122

Ion	Ratio	Lower	Upper
114	100		
63	20.9	0.0	35.0
88	15.8	0.0	27.2

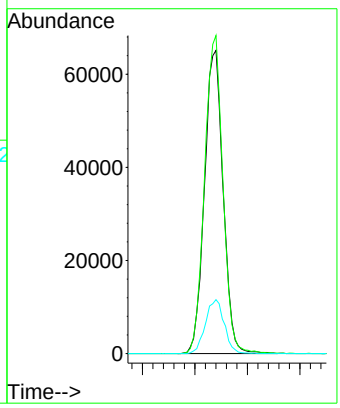


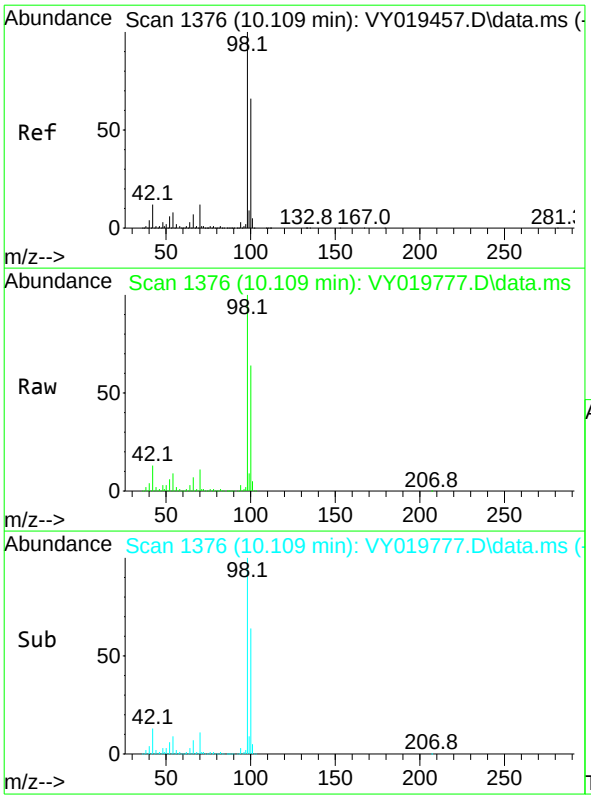


#35
Dibromofluoromethane
Concen: 55.422 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY019777.D
Acq: 03 Oct 2024 10:17

Tgt Ion:113 Resp: 160925

Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.2	123.4
192	17.9	15.9	23.9



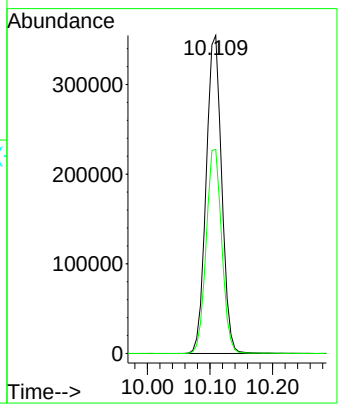


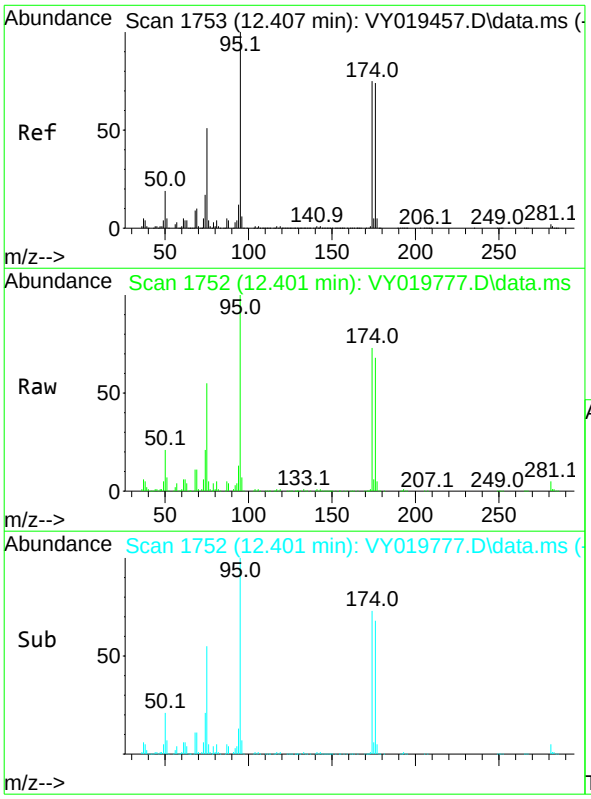
#50
Toluene-d8
Concen: 56.917 ug/l
RT: 10.109 min Scan# 13
Delta R.T. 0.000 min
Lab File: VY019777.D
Acq: 03 Oct 2024 10:17

Instrument :
MSVOA_Y
ClientSampleId :
VY1003SBL01

Tgt Ion: 98 Resp: 611282

Ion	Ratio	Lower	Upper
98	100		
100	64.3	52.0	78.0

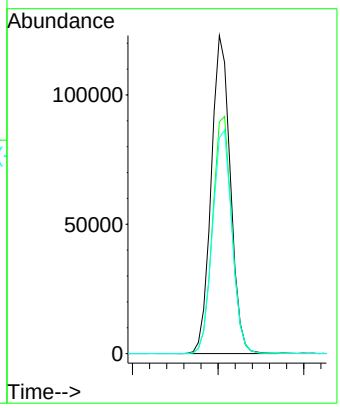


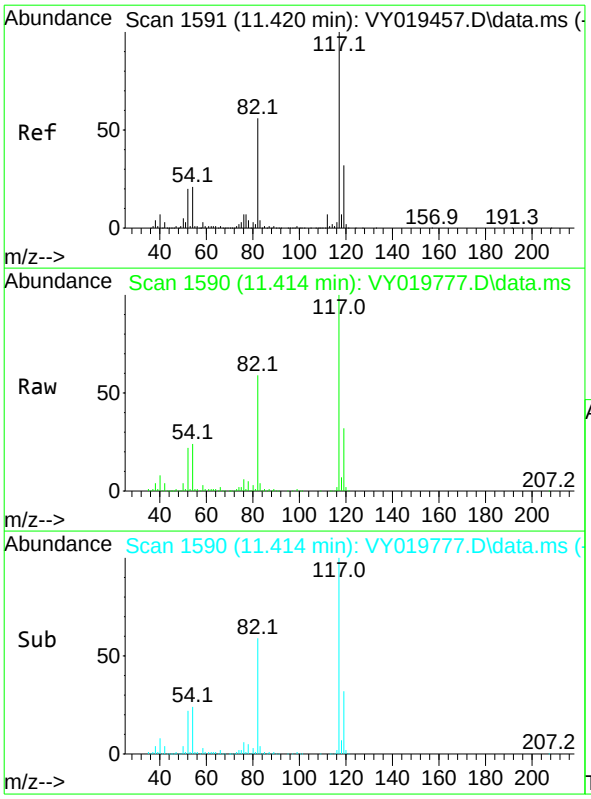


#62
4-Bromofluorobenzene
Concen: 46.269 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY019777.D
Acq: 03 Oct 2024 10:17

Tgt Ion: 95 Resp: 191072

Ion	Ratio	Lower	Upper
95	100		
174	75.1	0.0	175.6
176	71.7	0.0	171.4



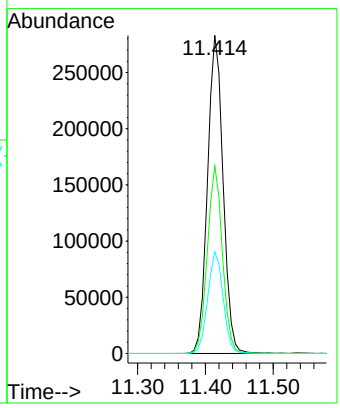


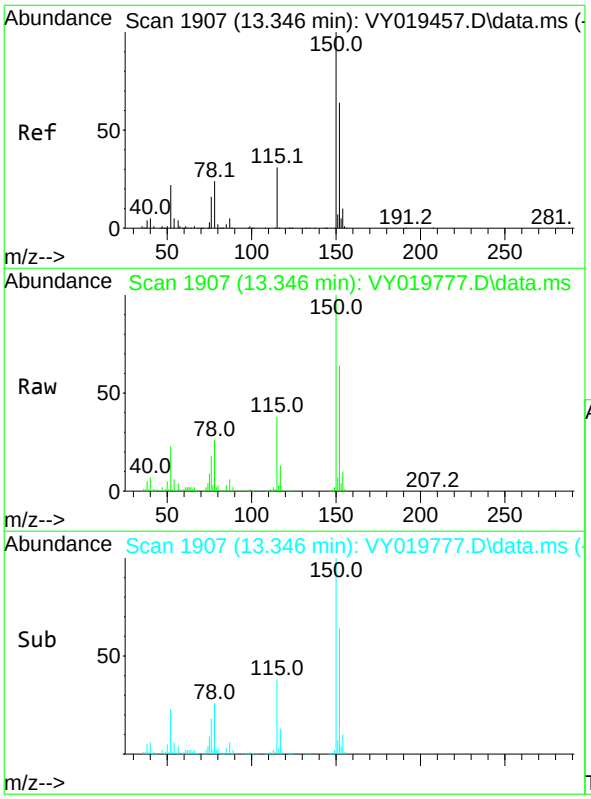
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 15
Delta R.T. -0.006 min
Lab File: VY019777.D
Acq: 03 Oct 2024 10:17

Instrument :
MSVOA_Y
ClientSampleId :
VY1003SBL01

Tgt Ion:117 Resp: 450147

Ion	Ratio	Lower	Upper
117	100		
82	58.9	42.4	63.6
119	32.0	25.9	38.9

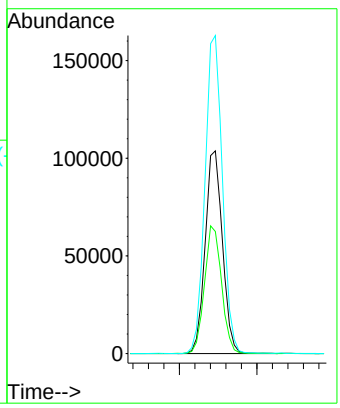




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.000 min
Lab File: VY019777.D
Acq: 03 Oct 2024 10:17

Tgt Ion:152 Resp: 160873

Ion	Ratio	Lower	Upper
152	100		
115	62.2	28.2	84.7
150	157.9	0.0	345.6



Sample Results: **VY019777.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100324\
Data File : VY019777.D
Acq On : 03 Oct 2024 10:17
Operator : SY/MD
Sample : VY1003SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1003SBL01

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\82Y090924S.M
Title : SW846 8260

Signal : TIC: VY019777.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.622	466	476	484	rBV5	7159	24540	1.49%	0.280%
2	6.890	836	848	863	rBV	38704	128494	7.81%	1.468%
3	7.640	959	971	976	rBV	220387	539202	32.78%	6.160%
4	7.707	976	982	995	rVB	373257	837922	50.94%	9.573%
5	8.061	1027	1040	1052	rBV2	210849	548000	33.31%	6.260%
6	8.616	1121	1131	1142	rBV	615910	1226009	74.53%	14.006%
7	10.109	1367	1376	1386	rBV	936561	1645076	100.00%	18.794%
8	10.505	1433	1441	1449	rBV	82723	155680	9.46%	1.779%
9	10.877	1495	1502	1512	rBV	27938	54521	3.31%	0.623%
10	11.243	1558	1562	1571	rVB2	18291	31794	1.93%	0.363%
11	11.414	1582	1590	1602	rBV	900493	1423111	86.51%	16.258%
12	12.401	1745	1752	1762	rBV2	629124	1046882	63.64%	11.960%
13	13.340	1900	1906	1916	rVB	670030	1050083	63.83%	11.996%
14	13.883	1990	1995	2002	rVB	12944	23563	1.43%	0.269%
15	15.224	2207	2215	2220	rVB3	10854	18508	1.13%	0.211%

Sum of corrected areas: 8753385

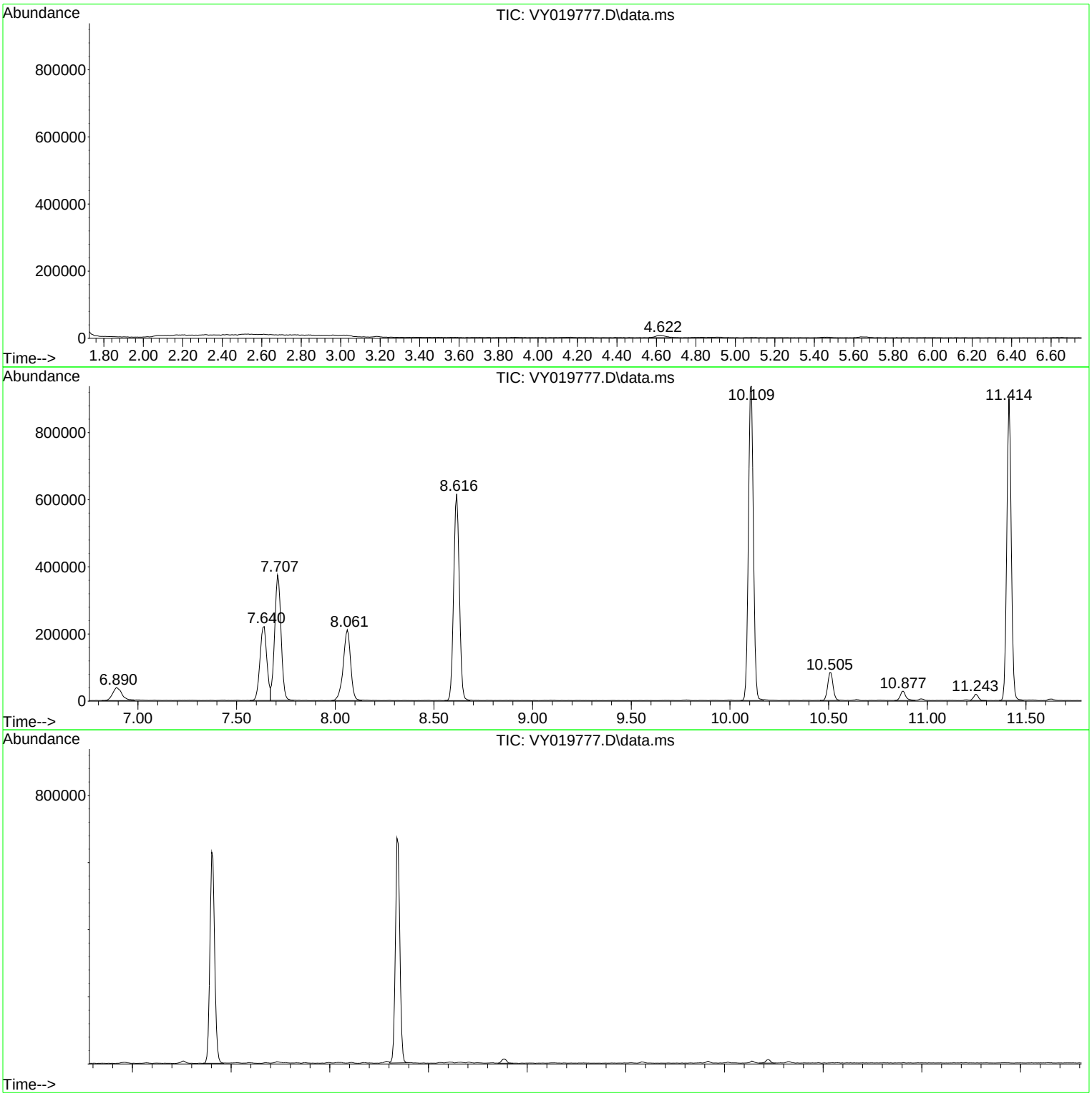
Sample Results: **VY019777.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100324\
Data File : VY019777.D
Acq On : 03 Oct 2024 10:17
Operator : SY/MD
Sample : VY1003SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1003SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VY019777.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100324\
Data File : VY019777.D
Acq On : 03 Oct 2024 10:17
Operator : SY/MD
Sample : VY1003SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1003SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.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\VY100324\
Data File : VY019777.D
Acq On : 03 Oct 2024 10:17
Operator : SY/MD
Sample : VY1003SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY1003SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.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\VY100224\
Data File : VY019769.D
Acq On : 02 Oct 2024 16:56
Operator : SY/MD
Sample : VY1002SBS02
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 03 02:05:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
Quant Title : SW846 8260
QLast Update : Mon Sep 09 16:00:30 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1002SBS02

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/03/2024
Supervised By :Mahesh Dadoda 10/03/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	265847	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	469139	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	394802	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	189008	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	147052	59.736	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 119.480%			
35) Dibromofluoromethane	7.634	113	143687	54.019	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.040%			
50) Toluene-d8	10.103	98	512402	52.081	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 104.160%			
62) 4-Bromofluorobenzene	12.402	95	188139	49.733	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 99.460%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	33161	20.397	ug/l	94
3) Chloromethane	2.068	50	42431	19.291	ug/l	99
4) Vinyl Chloride	2.202	62	48953	20.583	ug/l	98
5) Bromomethane	2.592	94	33687	23.059	ug/l	98
6) Chloroethane	2.733	64	33561	21.585	ug/l	98
7) Trichlorofluoromethane	3.056	101	84979	21.434	ug/l	93
8) Diethyl Ether	3.458	74	28359	21.309	ug/l	86
9) 1,1,2-Trichlorotrifluo...	3.812	101	53520	21.822	ug/l	94
10) Methyl Iodide	4.007	142	48071	15.288	ug/l	93
11) Tert butyl alcohol	4.878	59	33432	168.168	ug/l	99
12) 1,1-Dichloroethene	3.787	96	44653	18.932	ug/l	87
13) Acrolein	3.665	56	9672	92.004	ug/l	96
14) Allyl chloride	4.385	41	82184	19.430	ug/l #	92
15) Acrylonitrile	5.061	53	69116	120.448	ug/l	98
16) Acetone	3.873	43	74387	126.841	ug/l #	84
17) Carbon Disulfide	4.110	76	81719	12.823	ug/l	99
18) Methyl Acetate	4.391	43	35680	22.419	ug/l	92
19) Methyl tert-butyl Ether	5.122	73	154047	23.060	ug/l	96
20) Methylene Chloride	4.622	84	60640	22.673	ug/l #	90
21) trans-1,2-Dichloroethene	5.116	96	48410	18.725	ug/l	92
22) Diisopropyl ether	6.025	45	199133	22.926	ug/l	93
23) Vinyl Acetate	5.964	43	554846	111.835	ug/l #	93
24) 1,1-Dichloroethane	5.921	63	109164	22.397	ug/l	96
25) 2-Butanone	6.903	43	103183	123.707	ug/l #	87
26) 2,2-Dichloropropane	6.890	77	99517	22.635	ug/l	93
27) cis-1,2-Dichloroethene	6.896	96	67872	21.613	ug/l	85
28) Bromochloromethane	7.250	49	44060	21.485	ug/l	81
29) Tetrahydrofuran	7.268	42	57340	113.065	ug/l	86
30) Chloroform	7.421	83	118411	23.798	ug/l	96
31) Cyclohexane	7.701	56	77891	17.680	ug/l	95
32) 1,1,1-Trichloroethane	7.622	97	100220	22.472	ug/l	96
36) 1,1-Dichloropropene	7.835	75	69773	19.277	ug/l	96
37) Ethyl Acetate	6.988	43	42610	22.977	ug/l	98
38) Carbon Tetrachloride	7.817	117	82848	20.298	ug/l	98
39) Methylcyclohexane	9.109	83	84038	17.447	ug/l	91
40) Benzene	8.085	78	226600	20.327	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100224\
Data File : VY019769.D
Acq On : 02 Oct 2024 16:56
Operator : SY/MD
Sample : VY1002SBS02
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 03 02:05:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
Quant Title : SW846 8260
QLast Update : Mon Sep 09 16:00:30 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1002SBS02

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/03/2024
Supervised By :Mahesh Dadoda 10/03/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.226	41	24222	22.407 ug/l #	85
42) 1,2-Dichloroethane	8.158	62	68869	22.958 ug/l	96
43) Isopropyl Acetate	8.201	43	87258	22.396 ug/l #	89
44) Trichloroethene	8.866	130	55940	19.511 ug/l	87
45) 1,2-Dichloropropane	9.140	63	60729	22.283 ug/l	97
46) Dibromomethane	9.231	93	32729	21.960 ug/l	94
47) Bromodichloromethane	9.420	83	90942	22.700 ug/l	97
48) Methyl methacrylate	9.219	41	38102	20.709 ug/l	85
49) 1,4-Dioxane	9.231	88	7836	446.621 ug/l #	89
51) 4-Methyl-2-Pentanone	9.993	43	223605	114.077 ug/l	91
52) Toluene	10.170	92	147219	20.533 ug/l	97
53) t-1,3-Dichloropropene	10.390	75	79233	20.747 ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	91096	20.485 ug/l #	87
55) 1,1,2-Trichloroethane	10.573	97	47304	22.984 ug/l	98
56) Ethyl methacrylate	10.438	69	65261	20.874 ug/l #	78
57) 1,3-Dichloropropane	10.713	76	79814	22.560 ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	155306	107.027 ug/l	96
59) 2-Hexanone	10.756	43	156027	108.576 ug/l	89
60) Dibromochloromethane	10.908	129	59136	21.720 ug/l	99
61) 1,2-Dibromoethane	11.012	107	41347	21.561 ug/l	98
64) Tetrachloroethene	10.646	164	50500	20.656 ug/l	95
65) Chlorobenzene	11.438	112	166719	21.468 ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.511	131	59970	22.303 ug/l	97
67) Ethyl Benzene	11.518	91	291817	21.148 ug/l	98
68) m/p-Xylenes	11.627	106	213225	40.866 ug/l	91
69) o-Xylene	11.950	106	105971	20.767 ug/l	93
70) Styrene	11.963	104	181325	21.047 ug/l	95
71) Bromoform	12.127	173	32274	21.015 ug/l #	95
73) Isopropylbenzene	12.249	105	290217	21.165 ug/l	99
74) N-amyl acetate	12.066	43	78028	20.924 ug/l #	88
75) 1,1,2,2-Tetrachloroethane	12.505	83	55925	22.978 ug/l	100
76) 1,2,3-Trichloropropane	12.548	75	35835m	20.228 ug/l	
77) Bromobenzene	12.530	156	63112	20.753 ug/l	88
78) n-propylbenzene	12.591	91	345001	21.228 ug/l	99
79) 2-Chlorotoluene	12.676	91	198636	20.972 ug/l	97
80) 1,3,5-Trimethylbenzene	12.731	105	234253	21.014 ug/l	95
81) trans-1,4-Dichloro-2-b...	12.298	75	17321	18.770 ug/l	89
82) 4-Chlorotoluene	12.773	91	203745	20.924 ug/l	95
83) tert-Butylbenzene	12.993	119	220468	21.847 ug/l	96
84) 1,2,4-Trimethylbenzene	13.036	105	229709	20.818 ug/l	96
85) sec-Butylbenzene	13.170	105	313731	21.400 ug/l	99
86) p-Isopropyltoluene	13.286	119	255890	21.334 ug/l	96
87) 1,3-Dichlorobenzene	13.279	146	126148	21.347 ug/l	97
88) 1,4-Dichlorobenzene	13.365	146	124892	21.296 ug/l	95
89) n-Butylbenzene	13.615	91	246675	21.513 ug/l	99
90) Hexachloroethane	13.877	117	51835	20.770 ug/l	90
91) 1,2-Dichlorobenzene	13.651	146	113462	21.517 ug/l	97
92) 1,2-Dibromo-3-Chloropr...	14.267	75	8667	21.367 ug/l	79
93) 1,2,4-Trichlorobenzene	14.913	180	60884	18.984 ug/l	97
94) Hexachlorobutadiene	15.017	225	34131	19.921 ug/l	98
95) Naphthalene	15.139	128	116851	18.193 ug/l	100
96) 1,2,3-Trichlorobenzene	15.322	180	51767	18.870 ug/l	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100224\
Data File : VY019769.D
Acq On : 02 Oct 2024 16:56
Operator : SY/MD
Sample : VY1002SBS02
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 03 02:05:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
Quant Title : SW846 8260
QLast Update : Mon Sep 09 16:00:30 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1002SBS02

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/03/2024
Supervised By :Mahesh Dadoda 10/03/2024

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

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

Sample Results: **VY019769.D**

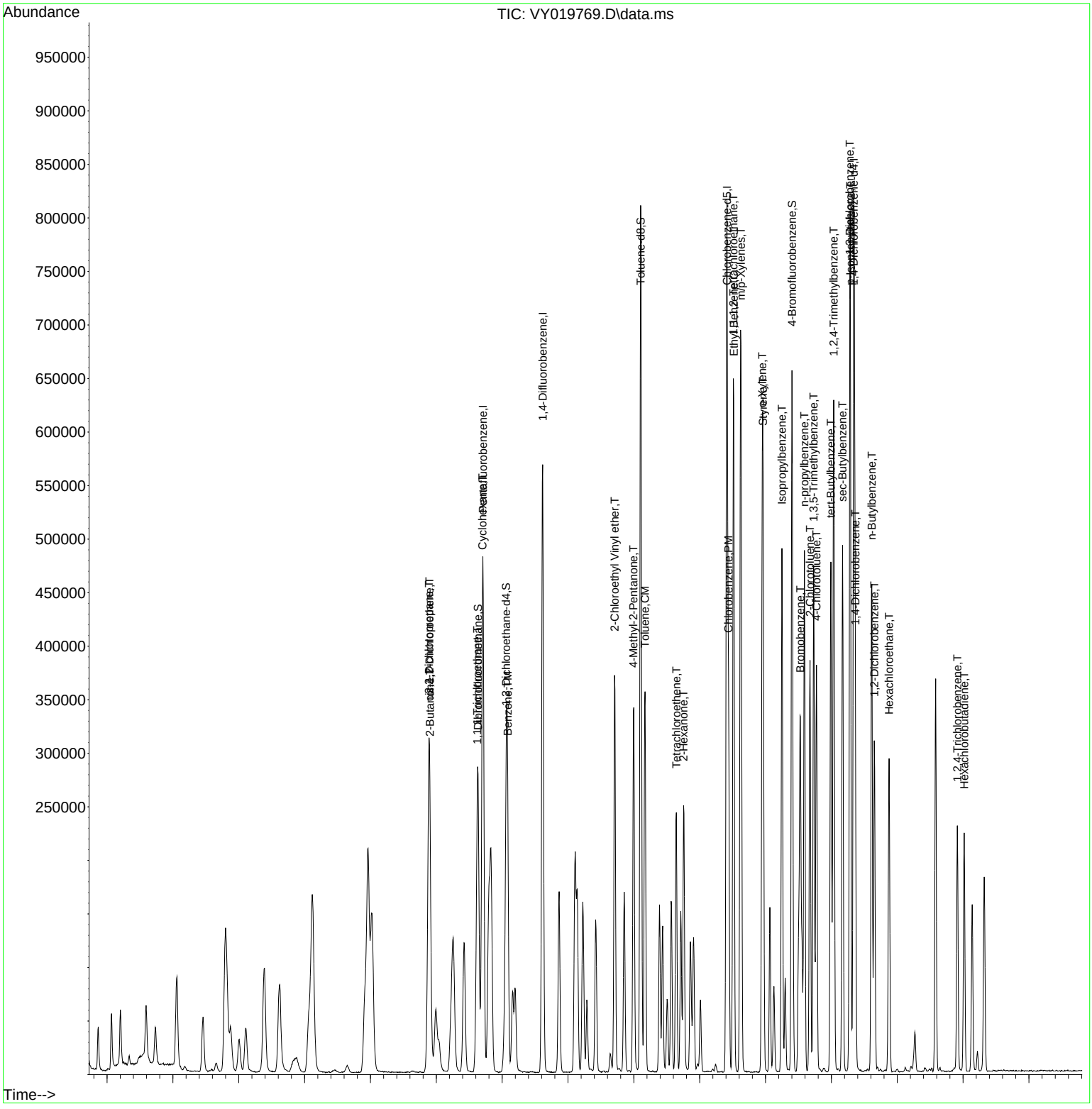
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100224\
Data File : VY019769.D
Acq On : 02 Oct 2024 16:56
Operator : SY/MD
Sample : VY1002SBS02
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Oct 03 02:05:12 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
Quant Title : SW846 8260
QLast Update : Mon Sep 09 16:00:30 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1002SBS02

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/03/2024
Supervised By :Mahesh Dadoda 10/03/2024



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100324\
Data File : VY019778.D
Acq On : 03 Oct 2024 11:01
Operator : SY/MD
Sample : VY1003SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 04 01:22:49 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
Quant Title : SW846 8260
QLast Update : Mon Sep 09 16:00:30 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1003SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/04/2024
Supervised By :Semsettin Yesilyurt 10/04/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	265491	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.615	114	467884	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	391562	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	181129	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	148068	60.230	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 120.460%			
35) Dibromofluoromethane	7.634	113	151062	56.944	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 113.880%			
50) Toluene-d8	10.103	98	545411	55.585	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 111.180%			
62) 4-Bromofluorobenzene	12.401	95	198123	52.513	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 105.020%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	32963	20.282	ug/l	96
3) Chloromethane	2.074	50	37698	17.162	ug/l	100
4) Vinyl Chloride	2.208	62	44743	18.838	ug/l	99
5) Bromomethane	2.598	94	31592	21.654	ug/l	99
6) Chloroethane	2.738	64	32637	21.019	ug/l	96
7) Trichlorofluoromethane	3.062	101	81559	20.599	ug/l	98
8) Diethyl Ether	3.464	74	26101	19.639	ug/l	83
9) 1,1,2-Trichlorotrifluo...	3.818	101	52406	21.396	ug/l	94
10) Methyl Iodide	4.007	142	46109	14.683	ug/l	91
11) Tert butyl alcohol	4.872	59	24640	124.109	ug/l #	84
12) 1,1-Dichloroethene	3.793	96	43623	18.520	ug/l	86
13) Acrolein	3.665	56	8446	78.541	ug/l	95
14) Allyl chloride	4.391	41	80441	19.043	ug/l #	92
15) Acrylonitrile	5.067	53	59212	103.327	ug/l	98
16) Acetone	3.872	43	74433	127.089	ug/l #	81
17) Carbon Disulfide	4.110	76	75134	11.806	ug/l	97
18) Methyl Acetate	4.391	43	28668	18.037	ug/l	90
19) Methyl tert-butyl Ether	5.122	73	140929	21.125	ug/l	99
20) Methylene Chloride	4.622	84	53273	19.945	ug/l	90
21) trans-1,2-Dichloroethene	5.122	96	47588	18.432	ug/l	93
22) Diisopropyl ether	6.018	45	193614	22.321	ug/l	89
23) Vinyl Acetate	5.964	43	505388	102.003	ug/l	93
24) 1,1-Dichloroethane	5.915	63	106291	21.837	ug/l	95
25) 2-Butanone	6.890	43	93526	112.279	ug/l #	82
26) 2,2-Dichloropropane	6.884	77	98832	22.510	ug/l	94
27) cis-1,2-Dichloroethene	6.890	96	65631	20.927	ug/l	86
28) Bromochloromethane	7.244	49	43248	21.117	ug/l #	81
29) Tetrahydrofuran	7.262	42	48967	96.684	ug/l #	85
30) Chloroform	7.421	83	113342	22.810	ug/l	97
31) Cyclohexane	7.701	56	76341	17.351	ug/l	95
32) 1,1,1-Trichloroethane	7.616	97	97967	21.996	ug/l	96
36) 1,1-Dichloropropene	7.841	75	68482	18.972	ug/l	94
37) Ethyl Acetate	6.988	43	36337	19.647	ug/l	97
38) Carbon Tetrachloride	7.817	117	80948	19.886	ug/l	96
39) Methylcyclohexane	9.109	83	81244	16.913	ug/l	90
40) Benzene	8.085	78	223076	20.064	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100324\
Data File : VY019778.D
Acq On : 03 Oct 2024 11:01
Operator : SY/MD
Sample : VY1003SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 04 01:22:49 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
Quant Title : SW846 8260
QLast Update : Mon Sep 09 16:00:30 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1003SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/04/2024
Supervised By :Semsettin Yesilyurt 10/04/2024

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.225	41	23957	22.221	ug/l	#	80
42) 1,2-Dichloroethane	8.158	62	64404	21.527	ug/l		94
43) Isopropyl Acetate	8.195	43	73733	18.975	ug/l	#	91
44) Trichloroethene	8.865	130	55251	19.323	ug/l		95
45) 1,2-Dichloropropane	9.140	63	57553	21.174	ug/l		96
46) Dibromomethane	9.225	93	30205	20.321	ug/l		93
47) Bromodichloromethane	9.426	83	87237	21.834	ug/l		99
48) Methyl methacrylate	9.219	41	33155	18.069	ug/l		83
49) 1,4-Dioxane	9.231	88	6951	397.242	ug/l	#	94
51) 4-Methyl-2-Pentanone	9.999	43	189493	96.934	ug/l		90
52) Toluene	10.170	92	140908	19.706	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	75078	19.712	ug/l		98
54) cis-1,3-Dichloropropene	9.853	75	86327	19.465	ug/l	#	86
55) 1,1,2-Trichloroethane	10.572	97	43850	21.363	ug/l		96
56) Ethyl methacrylate	10.438	69	57132	18.323	ug/l	#	79
57) 1,3-Dichloropropane	10.713	76	73186	20.742	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.707	63	140033	96.761	ug/l		98
59) 2-Hexanone	10.761	43	140882	98.300	ug/l		87
60) Dibromochloromethane	10.908	129	55979	20.616	ug/l		100
61) 1,2-Dibromoethane	11.011	107	36748	19.214	ug/l		99
64) Tetrachloroethene	10.646	164	45528	18.776	ug/l		90
65) Chlorobenzene	11.438	112	162168	21.055	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.517	131	56357	21.133	ug/l		99
67) Ethyl Benzene	11.517	91	283781	20.736	ug/l		99
68) m/p-Xylenes	11.627	106	208804	40.350	ug/l		92
69) o-Xylene	11.950	106	104267	20.603	ug/l		94
70) Styrene	11.969	104	174601	20.434	ug/l		96
71) Bromoform	12.133	173	29045	19.069	ug/l	#	97
73) Isopropylbenzene	12.249	105	289986	22.068	ug/l		98
74) N-amyl acetate	12.066	43	66740	18.675	ug/l	#	87
75) 1,1,2,2-Tetrachloroethane	12.505	83	50094	21.478	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	33844m	19.935	ug/l		
77) Bromobenzene	12.529	156	59812	20.523	ug/l		88
78) n-propylbenzene	12.590	91	340804	21.882	ug/l		98
79) 2-Chlorotoluene	12.676	91	201005	22.145	ug/l		93
80) 1,3,5-Trimethylbenzene	12.737	105	229954	21.526	ug/l		97
81) trans-1,4-Dichloro-2-b...	12.304	75	15208	17.197	ug/l	#	85
82) 4-Chlorotoluene	12.773	91	197223	21.135	ug/l		96
83) tert-Butylbenzene	12.993	119	211207	21.840	ug/l		93
84) 1,2,4-Trimethylbenzene	13.042	105	230554	21.803	ug/l		97
85) sec-Butylbenzene	13.176	105	317013	22.565	ug/l		99
86) p-Isopropyltoluene	13.285	119	255470	22.226	ug/l		96
87) 1,3-Dichlorobenzene	13.285	146	122999	21.720	ug/l		97
88) 1,4-Dichlorobenzene	13.365	146	121895	21.689	ug/l		97
89) n-Butylbenzene	13.615	91	242336	22.053	ug/l		99
90) Hexachloroethane	13.877	117	50076	20.938	ug/l		92
91) 1,2-Dichlorobenzene	13.657	146	109156	21.600	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.267	75	7679	19.755	ug/l		74
93) 1,2,4-Trichlorobenzene	14.919	180	59215	19.266	ug/l		98
94) Hexachlorobutadiene	15.017	225	33649	20.494	ug/l		98
95) Naphthalene	15.139	128	105678	17.170	ug/l		99
96) 1,2,3-Trichlorobenzene	15.322	180	49449	18.809	ug/l		97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100324\
Data File : VY019778.D
Acq On : 03 Oct 2024 11:01
Operator : SY/MD
Sample : VY1003SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 04 01:22:49 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
Quant Title : SW846 8260
QLast Update : Mon Sep 09 16:00:30 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1003SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/04/2024
Supervised By :Semsettin Yesilyurt 10/04/2024

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

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

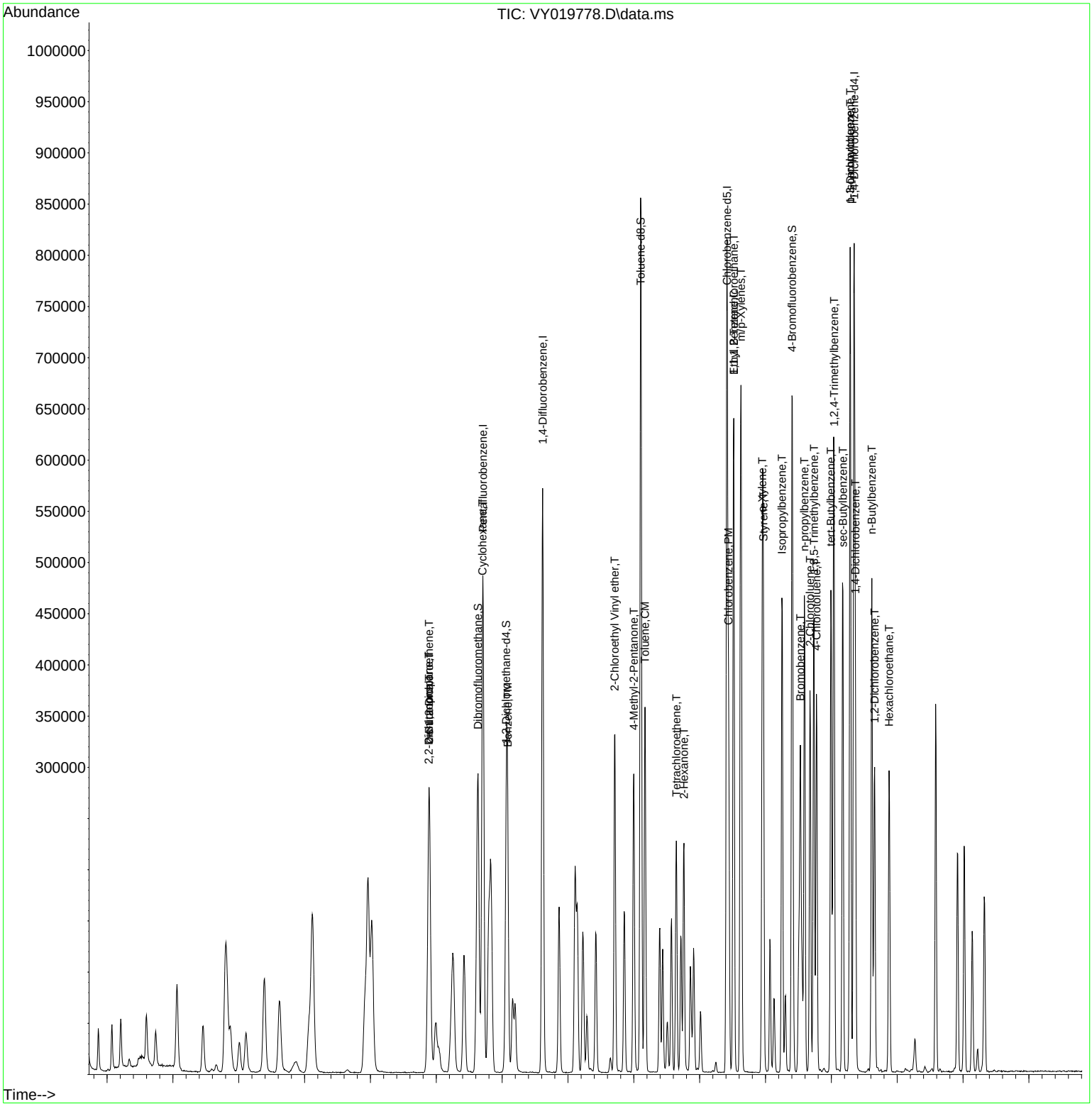
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100324\
Data File : VY019778.D
Acq On : 03 Oct 2024 11:01
Operator : SY/MD
Sample : VY1003SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 04 01:22:49 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
Quant Title : SW846 8260
QLast Update : Mon Sep 09 16:00:30 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1003SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/04/2024
Supervised By :Semsettin Yesilyurt 10/04/2024



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100224\
Data File : VY019770.D
Acq On : 02 Oct 2024 17:19
Operator : SY/MD
Sample : VY1002SBSD02
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 03 02:06:16 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
Quant Title : SW846 8260
QLast Update : Mon Sep 09 16:00:30 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1002SBSD02

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/03/2024
Supervised By :Mahesh Dadoda 10/03/2024

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	278113	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.616	114	490887	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	408200	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	189650	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	141910	55.105	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.220%			
35) Dibromofluoromethane	7.634	113	140579	50.509	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 101.020%			
50) Toluene-d8	10.103	98	505421	49.096	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.200%			
62) 4-Bromofluorobenzene	12.402	95	182595	46.129	ug/l	0.00
Spiked Amount 50.000	Range 29 - 146		Recovery = 92.260%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	35521	20.992	ug/l	100
3) Chloromethane	2.068	50	42846	18.621	ug/l	100
4) Vinyl Chloride	2.208	62	50565	20.323	ug/l	97
5) Bromomethane	2.592	94	34920	22.849	ug/l	95
6) Chloroethane	2.739	64	37897	23.299	ug/l	98
7) Trichlorofluoromethane	3.062	101	89647	21.614	ug/l	97
8) Diethyl Ether	3.458	74	30009	21.555	ug/l	89
9) 1,1,2-Trichlorotrifluo...	3.818	101	55997	21.825	ug/l	96
10) Methyl Iodide	4.007	142	53938	16.397	ug/l	92
11) Tert butyl alcohol	4.860	59	33072	159.021	ug/l	99
12) 1,1-Dichloroethene	3.787	96	47017	19.055	ug/l	85
13) Acrolein	3.659	56	7377	62.960	ug/l	95
14) Allyl chloride	4.385	41	86685	19.590	ug/l #	91
15) Acrylonitrile	5.061	53	71696	119.433	ug/l	99
16) Acetone	3.873	43	75764	123.491	ug/l #	87
17) Carbon Disulfide	4.110	76	85541	12.831	ug/l	100
18) Methyl Acetate	4.391	43	36692	22.038	ug/l	89
19) Methyl tert-butyl Ether	5.116	73	159783	22.864	ug/l	99
20) Methylene Chloride	4.622	84	68049	24.321	ug/l	92
21) trans-1,2-Dichloroethene	5.116	96	51790	19.149	ug/l	89
22) Diisopropyl ether	6.025	45	210653	23.183	ug/l	93
23) Vinyl Acetate	5.964	43	580462	111.838	ug/l #	92
24) 1,1-Dichloroethane	5.915	63	116487	22.845	ug/l	98
25) 2-Butanone	6.896	43	108656	124.523	ug/l #	85
26) 2,2-Dichloropropane	6.890	77	105111	22.853	ug/l	94
27) cis-1,2-Dichloroethene	6.890	96	72054	21.932	ug/l	86
28) Bromochloromethane	7.244	49	49615	23.127	ug/l	81
29) Tetrahydrofuran	7.262	42	60253	113.569	ug/l #	86
30) Chloroform	7.421	83	125678	24.145	ug/l	100
31) Cyclohexane	7.701	56	83418	18.099	ug/l	91
32) 1,1,1-Trichloroethane	7.616	97	104982	22.502	ug/l	94
36) 1,1-Dichloropropene	7.835	75	75355	19.897	ug/l	96
37) Ethyl Acetate	6.988	43	42390	21.845	ug/l	99
38) Carbon Tetrachloride	7.817	117	87220	20.423	ug/l	99
39) Methylcyclohexane	9.109	83	88914	17.642	ug/l #	88
40) Benzene	8.079	78	240503	20.618	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100224\
Data File : VY019770.D
Acq On : 02 Oct 2024 17:19
Operator : SY/MD
Sample : VY1002SBSD02
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 03 02:06:16 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
Quant Title : SW846 8260
QLast Update : Mon Sep 09 16:00:30 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1002SBSD02

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/03/2024
Supervised By :Mahesh Dadoda 10/03/2024

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.220	41	26089	23.064 ug/l #	85
42) 1,2-Dichloroethane	8.158	62	70954	22.605 ug/l	95
43) Isopropyl Acetate	8.195	43	90907	22.299 ug/l #	89
44) Trichloroethene	8.866	130	59848	19.950 ug/l	89
45) 1,2-Dichloropropane	9.140	63	63445	22.248 ug/l	98
46) Dibromomethane	9.231	93	33860	21.712 ug/l	95
47) Bromodichloromethane	9.420	83	96065	22.916 ug/l	99
48) Methyl methacrylate	9.219	41	40104	20.831 ug/l	84
49) 1,4-Dioxane	9.231	88	8073	439.743 ug/l #	90
51) 4-Methyl-2-Pentanone	9.993	43	228449	111.385 ug/l	92
52) Toluene	10.170	92	156814	20.903 ug/l	97
53) t-1,3-Dichloropropene	10.390	75	82071	20.538 ug/l	95
54) cis-1,3-Dichloropropene	9.853	75	95473	20.518 ug/l #	87
55) 1,1,2-Trichloroethane	10.573	97	49259	22.873 ug/l	96
56) Ethyl methacrylate	10.438	69	67736	20.705 ug/l #	77
57) 1,3-Dichloropropane	10.713	76	82959	22.410 ug/l	99
58) 2-Chloroethyl Vinyl ether	9.707	63	146627	96.569 ug/l	98
59) 2-Hexanone	10.756	43	160940	107.033 ug/l	89
60) Dibromochloromethane	10.908	129	62961	22.101 ug/l	98
61) 1,2-Dibromoethane	11.012	107	42380	21.121 ug/l	100
64) Tetrachloroethene	10.646	164	52162	20.635 ug/l	96
65) Chlorobenzene	11.438	112	177491	22.105 ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.511	131	62996	22.660 ug/l	98
67) Ethyl Benzene	11.518	91	312438	21.899 ug/l	100
68) m/p-Xylenes	11.627	106	228512	42.358 ug/l	91
69) o-Xylene	11.950	106	112805	21.381 ug/l	92
70) Styrene	11.963	104	192323	21.591 ug/l	95
71) Bromoform	12.127	173	33443	21.061 ug/l #	98
73) Isopropylbenzene	12.249	105	311789	22.662 ug/l	99
74) N-amyl acetate	12.066	43	80192	21.431 ug/l #	89
75) 1,1,2,2-Tetrachloroethane	12.505	83	58451	23.935 ug/l	100
76) 1,2,3-Trichloropropane	12.554	75	36756m	20.678 ug/l	
77) Bromobenzene	12.530	156	65368	21.422 ug/l	86
78) n-propylbenzene	12.591	91	368488	22.596 ug/l	98
79) 2-Chlorotoluene	12.676	91	213563	22.472 ug/l	96
80) 1,3,5-Trimethylbenzene	12.731	105	253254	22.642 ug/l	96
81) trans-1,4-Dichloro-2-b...	12.298	75	17543	18.946 ug/l	87
82) 4-Chlorotoluene	12.773	91	223467	22.872 ug/l	94
83) tert-Butylbenzene	12.993	119	231747	22.887 ug/l	95
84) 1,2,4-Trimethylbenzene	13.036	105	247303	22.336 ug/l	97
85) sec-Butylbenzene	13.170	105	338615	23.019 ug/l	99
86) p-Isopropyltoluene	13.286	119	272700	22.659 ug/l	96
87) 1,3-Dichlorobenzene	13.279	146	135841	22.910 ug/l	97
88) 1,4-Dichlorobenzene	13.365	146	134550	22.865 ug/l	96
89) n-Butylbenzene	13.615	91	263068	22.864 ug/l	99
90) Hexachloroethane	13.877	117	56524	22.572 ug/l	88
91) 1,2-Dichlorobenzene	13.651	146	120895	22.849 ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.267	75	9200	22.604 ug/l	78
93) 1,2,4-Trichlorobenzene	14.913	180	64597	20.073 ug/l	98
94) Hexachlorobutadiene	15.017	225	36834	21.425 ug/l	98
95) Naphthalene	15.139	128	125872	19.532 ug/l	99
96) 1,2,3-Trichlorobenzene	15.322	180	54325	19.735 ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100224\
Data File : VY019770.D
Acq On : 02 Oct 2024 17:19
Operator : SY/MD
Sample : VY1002SBSD02
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 03 02:06:16 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
Quant Title : SW846 8260
QLast Update : Mon Sep 09 16:00:30 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1002SBSD02

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/03/2024
Supervised By :Mahesh Dadoda 10/03/2024

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

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

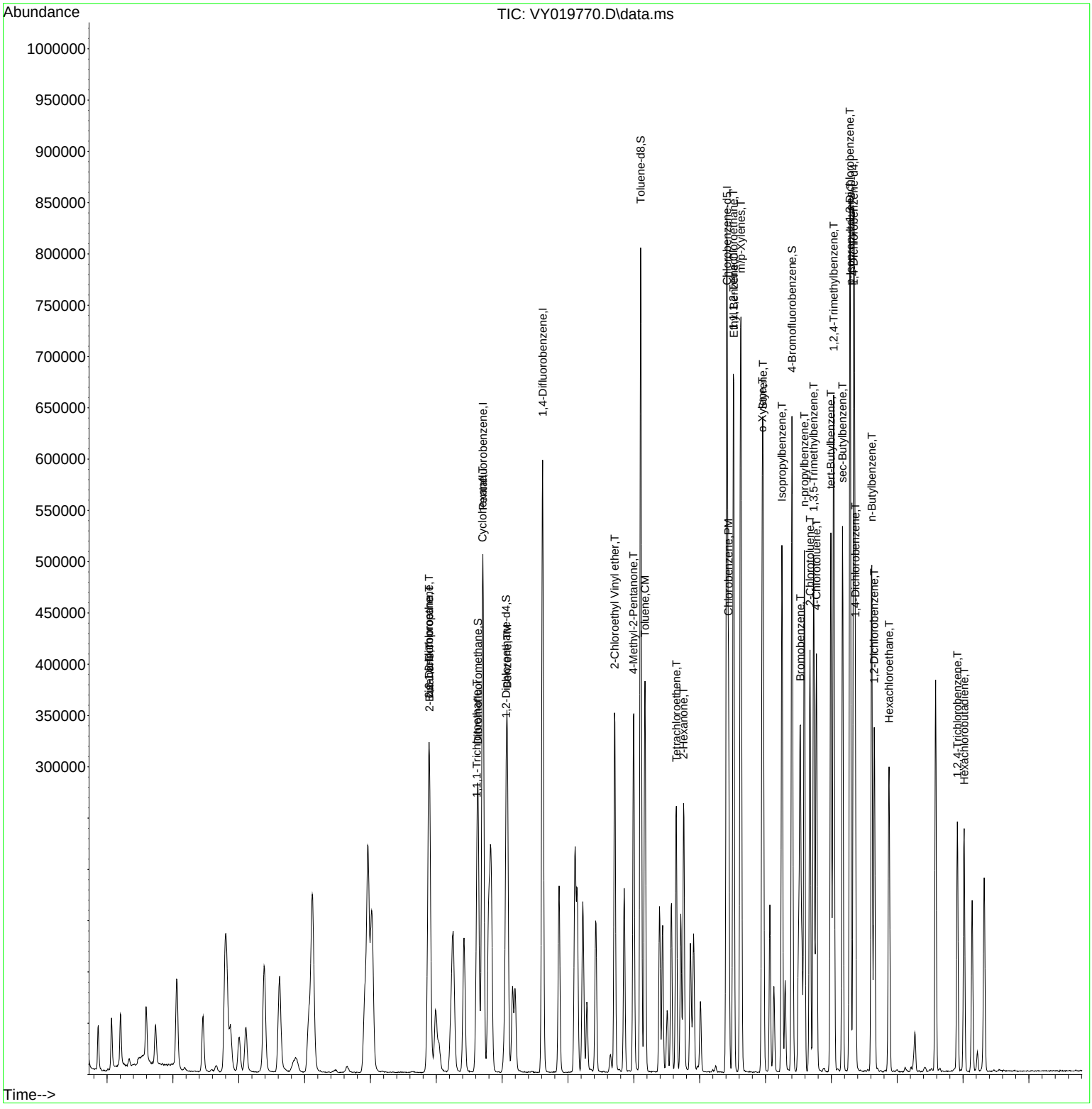
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY100224\
Data File : VY019770.D
Acq On : 02 Oct 2024 17:19
Operator : SY/MD
Sample : VY1002SBSD02
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 03 02:06:16 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090924S.M
Quant Title : SW846 8260
QLast Update : Mon Sep 09 16:00:30 2024
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY1002SBSD02

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 10/03/2024
Supervised By :Mahesh Dadoda 10/03/2024



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

Manual Integration Report

Sequence:	VY090924	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VY019454.D	1,2,3-Trichloropropane	MMDadoda	9/10/2024 10:24:56 AM	SAM	9/10/2024 10:27:27 AM	Peak Integrated by Software
VSTDICC005	VY019454.D	Acrolein	MMDadoda	9/10/2024 10:24:56 AM	SAM	9/10/2024 10:27:27 AM	Peak Integrated by Software
VSTDICC010	VY019455.D	1,2,3-Trichloropropane	MMDadoda	9/10/2024 10:24:57 AM	SAM	9/10/2024 10:27:28 AM	Peak Integrated by Software
VSTDICC020	VY019456.D	1,2,3-Trichloropropane	MMDadoda	9/10/2024 10:24:58 AM	SAM	9/10/2024 10:27:29 AM	Peak Integrated by Software
VSTDICCC050	VY019457.D	1,2,3-Trichloropropane	MMDadoda	9/10/2024 10:25:00 AM	SAM	9/10/2024 10:27:30 AM	Peak Integrated by Software
VSTDICC100	VY019458.D	1,2,3-Trichloropropane	MMDadoda	9/10/2024 10:25:01 AM	SAM	9/10/2024 10:27:32 AM	Peak Integrated by Software
VSTDICC150	VY019459.D	1,2,3-Trichloropropane	MMDadoda	9/10/2024 10:25:04 AM	SAM	9/10/2024 10:27:33 AM	Peak Integrated by Software
VSTDICV050	VY019461.D	1,2,3-Trichloropropane	MMDadoda	9/10/2024 10:25:05 AM	SAM	9/10/2024 10:27:34 AM	Peak Integrated by Software
VSTDCCC050	VY019474.D	1,2,3-Trichloropropane	MMDadoda	9/10/2024 10:25:10 AM	SAM	9/10/2024 10:27:39 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VY100224	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY019756.D	1,2,3-Trichloropropane	SAM	10/3/2024 4:56:03 PM	MMDadoda	10/3/2024 4:58:18 PM	Peak Integrated by Software
VY1002SBS02	VY019769.D	1,2,3-Trichloropropane	SAM	10/3/2024 4:56:06 PM	MMDadoda	10/3/2024 4:58:23 PM	Peak Integrated by Software
VY1002SBSD02	VY019770.D	1,2,3-Trichloropropane	SAM	10/3/2024 4:56:07 PM	MMDadoda	10/3/2024 4:58:25 PM	Peak Integrated by Software
VSTDCCC050	VY019774.D	1,2,3-Trichloropropane	SAM	10/3/2024 4:56:09 PM	MMDadoda	10/3/2024 4:58:26 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	vy100324	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY019776.D	1,2,3-Trichloropropane	MMDadoda	10/4/2024 10:17:13 AM	SAM	10/4/2024 10:17:43 AM	Peak Integrated by Software
VY1003SBS01	VY019778.D	1,2,3-Trichloropropane	MMDadoda	10/4/2024 10:16:47 AM	SAM	10/4/2024 10:17:43 AM	Peak Integrated by Software
VSTDCCC050	VY019790.D	1,2,3-Trichloropropane	MMDadoda	10/4/2024 10:16:51 AM	SAM	10/4/2024 10:17:46 AM	Peak Integrated by Software

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Fax : 908 789 8922

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY090924

Review By	Mahesh Dadoda	Review On	9/10/2024 10:25:17 AM				
Supervise By	Semsettin Yesilyurt	Supervise On	9/10/2024 10:27:41 AM				
SubDirectory	VY090924	HP Acquire Method	MSVOA_Y	HP Processing Method	82y090924s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP130172
Initial Calibration Stds	VP130173,VP130174,VP130175,VP130176,VP130177,VP130178
CCC	VP130180,VP130181
Internal Standard/PEM	VP128297
ICV/I.BLK	VP130179
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY019453.D	09 Sep 2024 09:20	SY/MD	Ok
2	VSTDICC005	VY019454.D	09 Sep 2024 09:52	SY/MD	Ok,M
3	VSTDICC010	VY019455.D	09 Sep 2024 10:15	SY/MD	Ok,M
4	VSTDICC020	VY019456.D	09 Sep 2024 10:44	SY/MD	Ok,M
5	VSTDICCC050	VY019457.D	09 Sep 2024 11:07	SY/MD	Ok,M
6	VSTDICC100	VY019458.D	09 Sep 2024 11:29	SY/MD	Ok,M
7	VSTDICC150	VY019459.D	09 Sep 2024 11:53	SY/MD	Ok,M
8	VIBLK	VY019460.D	09 Sep 2024 12:16	SY/MD	Ok
9	VSTDICV050	VY019461.D	09 Sep 2024 13:05	SY/MD	Ok,M
10	VY0909SBL01	VY019462.D	09 Sep 2024 13:34	SY/MD	Ok
11	VY0909SBS01	VY019463.D	09 Sep 2024 13:57	SY/MD	Ok,M
12	VY0909SBSD01	VY019464.D	09 Sep 2024 14:26	SY/MD	Ok,M
13	P3891-01	VY019465.D	09 Sep 2024 15:10	SY/MD	Ok
14	P3852-02	VY019466.D	09 Sep 2024 15:33	SY/MD	Ok
15	P3852-04	VY019467.D	09 Sep 2024 15:57	SY/MD	ReRun
16	P3857-03RE	VY019468.D	09 Sep 2024 16:20	SY/MD	Confirms
17	P3892-01	VY019469.D	09 Sep 2024 16:43	SY/MD	ReRun
18	P3905-05	VY019470.D	09 Sep 2024 17:07	SY/MD	Ok
19	P3905-03	VY019471.D	09 Sep 2024 17:30	SY/MD	Ok
20	P3905-01	VY019472.D	09 Sep 2024 17:54	SY/MD	Ok
21	P3906-15	VY019473.D	09 Sep 2024 18:17	SY/MD	ReRun

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Fax : 908 789 8922

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY090924

Review By	Mahesh Dadoda	Review On	9/10/2024 10:25:17 AM				
Supervise By	Semsettin Yesilyurt	Supervise On	9/10/2024 10:27:41 AM				
SubDirectory	VY090924	HP Acquire Method	MSVOA_Y	HP Processing Method	82y090924s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP130172
Initial Calibration Stds	VP130173,VP130174,VP130175,VP130176,VP130177,VP130178
CCC	VP130180,VP130181
Internal Standard/PEM	VP128297
ICV/I.BLK	VP130179
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	VSTDCCC050	VY019474.D	09 Sep 2024 18:40	SY/MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY100224

Review By	Semsettin Yesilyurt	Review On	10/3/2024 4:56:16 PM				
Supervise By	Mahesh Dadoda	Supervise On	10/3/2024 4:58:28 PM				
SubDirectory	VY100224	HP Acquire Method	MSVOA_Y	HP Processing Method	82y090924s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP130628
Initial Calibration Stds	
CCC	VP130629,VP130630
Internal Standard/PEM	VP128297
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY019755.D	02 Oct 2024 08:37	SY/MD	Ok
2	VSTDCCC050	VY019756.D	02 Oct 2024 09:39	SY/MD	Ok,M
3	VY1002SBL01	VY019757.D	02 Oct 2024 10:13	SY/MD	Ok
4	VY1002SBS01	VY019758.D	02 Oct 2024 12:36	SY/MD	Not Ok
5	P4225-01	VY019759.D	02 Oct 2024 13:03	SY/MD	Not Ok
6	P4236-06RE	VY019760.D	02 Oct 2024 13:26	SY/MD	Confirms
7	P4236-10	VY019761.D	02 Oct 2024 13:49	SY/MD	Not Ok
8	P4236-14RE	VY019762.D	02 Oct 2024 14:13	SY/MD	Confirms
9	P4236-02	VY019763.D	02 Oct 2024 14:36	SY/MD	Not Ok
10	P4232-03	VY019764.D	02 Oct 2024 15:00	SY/MD	Ok
11	P4258-03	VY019765.D	02 Oct 2024 15:23	SY/MD	ReRun
12	P4242-03	VY019766.D	02 Oct 2024 15:47	SY/MD	ReRun
13	P4257-02	VY019767.D	02 Oct 2024 16:10	SY/MD	Ok
14	P4255-01	VY019768.D	02 Oct 2024 16:33	SY/MD	Ok
15	VY1002SBS02	VY019769.D	02 Oct 2024 16:56	SY/MD	Ok,M
16	VY1002SBSD02	VY019770.D	02 Oct 2024 17:19	SY/MD	Ok,M
17	P4254-02	VY019771.D	02 Oct 2024 17:42	SY/MD	Ok
18	P4254-01	VY019772.D	02 Oct 2024 18:06	SY/MD	Not Ok
19	VIBLK	VY019773.D	02 Oct 2024 18:29	SY/MD	Ok
20	VSTDCCC050	VY019774.D	02 Oct 2024 18:52	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY100324

Review By	Semsettin Yesilyurt	Review On	10/4/2024 10:17:50 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/4/2024 10:18:45 AM		
SubDirectory	VY100324	HP Acquire Method		HP Processing Method	82y090924s.m

STD. NAME	STD REF.#
Tune/Reschk	VP130673
Initial Calibration Stds	
CCC	VP130675,VP130676
Internal Standard/PEM	VP130432
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY019775.D	03 Oct 2024 08:34	SY/MD	Ok
2	VSTDCCC050	VY019776.D	03 Oct 2024 09:44	SY/MD	Ok,M
3	VY1003SBL01	VY019777.D	03 Oct 2024 10:17	SY/MD	Ok
4	VY1003SBS01	VY019778.D	03 Oct 2024 11:01	SY/MD	Ok,M
5	VY1003SBSD01	VY019779.D	03 Oct 2024 11:29	SY/MD	Not Ok
6	P4258-03RE	VY019780.D	03 Oct 2024 12:10	SY/MD	Confirms
7	P4242-03	VY019781.D	03 Oct 2024 12:34	SY/MD	Ok
8	P4277-01	VY019782.D	03 Oct 2024 12:57	SY/MD	Not Ok
9	P4277-02	VY019783.D	03 Oct 2024 13:21	SY/MD	Not Ok
10	P4276-01	VY019784.D	03 Oct 2024 13:44	SY/MD	Ok
11	P4273-02	VY019785.D	03 Oct 2024 14:07	SY/MD	ReRun
12	P4275-01	VY019786.D	03 Oct 2024 14:31	SY/MD	Dilution
13	P4254-01	VY019787.D	03 Oct 2024 14:54	SY/MD	Ok
14	P4254-02RE	VY019788.D	03 Oct 2024 15:18	SY/MD	Not Ok
15	P4270-03	VY019789.D	03 Oct 2024 15:41	SY/MD	Not Ok
16	VSTDCCC050	VY019790.D	03 Oct 2024 16:41	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY090924

Review By	Mahesh Dadoda	Review On	9/10/2024 10:25:17 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	9/10/2024 10:27:41 AM		
SubDirectory	VY090924	HP Acquire Method	MSVOA_Y	HP Processing Method	82y090924s.m

STD. NAME	STD REF.#
Tune/Reschk	VP130172
Initial Calibration Stds	VP130173,VP130174,VP130175,VP130176,VP130177,VP130178
CCC	VP130180,VP130181
Internal Standard/PEM	VP128297
ICV/I.BLK	VP130179
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY019453.D	09 Sep 2024 09:20		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VY019454.D	09 Sep 2024 09:52	Good for DOD	SY/MD	Ok,M
3	VSTDICC010	VSTDICC010	VY019455.D	09 Sep 2024 10:15	LR-02,13	SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VY019456.D	09 Sep 2024 10:44	%D failed for Comp. #13 in 20 PPB	SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VY019457.D	09 Sep 2024 11:07		SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VY019458.D	09 Sep 2024 11:29		SY/MD	Ok,M
7	VSTDICC150	VSTDICC150	VY019459.D	09 Sep 2024 11:53		SY/MD	Ok,M
8	VIBLK	VIBLK	VY019460.D	09 Sep 2024 12:16		SY/MD	Ok
9	VSTDICV050	ICVVY090924	VY019461.D	09 Sep 2024 13:05		SY/MD	Ok,M
10	VY0909SBL01	VY0909SBL01	VY019462.D	09 Sep 2024 13:34		SY/MD	Ok
11	VY0909SBS01	VY0909SBS01	VY019463.D	09 Sep 2024 13:57		SY/MD	Ok,M
12	VY0909SBSD01	VY0909SBSD01	VY019464.D	09 Sep 2024 14:26		SY/MD	Ok,M
13	P3891-01	AUD-SBG	VY019465.D	09 Sep 2024 15:10	Vial A	SY/MD	Ok
14	P3852-02	VNJ223	VY019466.D	09 Sep 2024 15:33	Vial A	SY/MD	Ok
15	P3852-04	ETGI356	VY019467.D	09 Sep 2024 15:57	Vial A Internal Standard Fail	SY/MD	ReRun
16	P3857-03RE	WC-C1-GRABRE	VY019468.D	09 Sep 2024 16:20	Internal Standard Fail Vial B	SY/MD	Confirms
17	P3892-01	ARS20-005	VY019469.D	09 Sep 2024 16:43	Internal Standard Fail Vial A	SY/MD	ReRun

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY090924

Review By	Mahesh Dadoda	Review On	9/10/2024 10:25:17 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	9/10/2024 10:27:41 AM		
SubDirectory	VY090924	HP Acquire Method	MSVOA_Y	HP Processing Method	82y090924s.m

STD. NAME	STD REF.#
Tune/Reschk	VP130172
Initial Calibration Stds	VP130173,VP130174,VP130175,VP130176,VP130177,VP130178
CCC	VP130180,VP130181
Internal Standard/PEM	VP128297
ICV/I.BLK	VP130179
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	P3905-05	COMP-1	VY019470.D	09 Sep 2024 17:07	Vial A	SY/MD	Ok
19	P3905-03	TP-3B	VY019471.D	09 Sep 2024 17:30	Vial A	SY/MD	Ok
20	P3905-01	TP-3A	VY019472.D	09 Sep 2024 17:54	Vial A	SY/MD	Ok
21	P3906-15	SU-701-VOC-03	VY019473.D	09 Sep 2024 18:17	Internal Standard Fail Vial A	SY/MD	ReRun
22	VSTDCCC050	VSTDCCC050EC	VY019474.D	09 Sep 2024 18:40		SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY100224

Review By	Semsettin Yesilyurt	Review On	10/3/2024 4:56:16 PM		
Supervise By	Mahesh Dadoda	Supervise On	10/3/2024 4:58:28 PM		
SubDirectory	VY100224	HP Acquire Method	MSVOA_Y	HP Processing Method	82y090924s.m

STD. NAME	STD REF.#
Tune/Reschk	VP130628
Initial Calibration Stds	
CCC	VP130629,VP130630
Internal Standard/PEM	VP128297
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY019755.D	02 Oct 2024 08:37		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY019756.D	02 Oct 2024 09:39		SY/MD	Ok,M
3	VY1002SBL01	VY1002SBL01	VY019757.D	02 Oct 2024 10:13		SY/MD	Ok
4	VY1002SBS01	VY1002SBS01	VY019758.D	02 Oct 2024 12:36		SY/MD	Not Ok
5	P4225-01	TR-04-092724	VY019759.D	02 Oct 2024 13:03	NOT PURGE vial-B	SY/MD	Not Ok
6	P4236-06RE	TP3-VOCRE	VY019760.D	02 Oct 2024 13:26	Internal Standard Fail vial-B	SY/MD	Confirms
7	P4236-10	TP1-VOC	VY019761.D	02 Oct 2024 13:49	NOT PURGE vial-B	SY/MD	Not Ok
8	P4236-14RE	TP2-VOCRE	VY019762.D	02 Oct 2024 14:13	Internal Standard Fail vial-B	SY/MD	Confirms
9	P4236-02	TP4-VOC	VY019763.D	02 Oct 2024 14:36	NOT PURGE vial-B	SY/MD	Not Ok
10	P4232-03	TP-R-VOC	VY019764.D	02 Oct 2024 15:00	vial-A	SY/MD	Ok
11	P4258-03	Chamberlain Ave	VY019765.D	02 Oct 2024 15:23	Internal Standard Fail vial-A	SY/MD	ReRun
12	P4242-03	TP-Q-VOC	VY019766.D	02 Oct 2024 15:47	Internal Standard Fail vial-A	SY/MD	ReRun
13	P4257-02	VNJ-240	VY019767.D	02 Oct 2024 16:10	vial-A	SY/MD	Ok
14	P4255-01	OR-03-100124	VY019768.D	02 Oct 2024 16:33	vial-A	SY/MD	Ok
15	VY1002SBS02	VY1002SBS02	VY019769.D	02 Oct 2024 16:56		SY/MD	Ok,M
16	VY1002SBSD02	VY1002SBSD02	VY019770.D	02 Oct 2024 17:19		SY/MD	Ok,M
17	P4254-02	MH-147-SLUDGE-VOC	VY019771.D	02 Oct 2024 17:42	Internal Standard Fail vial-A	SY/MD	Ok
18	P4254-01	MH-147-SLUDGE	VY019772.D	02 Oct 2024 18:06	Not purge vial-A	SY/MD	Not Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY100224

Review By	Semsettin Yesilyurt	Review On	10/3/2024 4:56:16 PM		
Supervise By	Mahesh Dadoda	Supervise On	10/3/2024 4:58:28 PM		
SubDirectory	VY100224	HP Acquire Method	MSVOA_Y	HP Processing Method	82y090924s.m

STD. NAME	STD REF.#
Tune/Reschk	VP130628
Initial Calibration Stds	
CCC	VP130629,VP130630
Internal Standard/PEM	VP128297
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	VIBLK	VIBLK	VY019773.D	02 Oct 2024 18:29		SY/MD	Ok
20	VSTDCCC050	VSTDCCC050EC	VY019774.D	02 Oct 2024 18:52		SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY100324

Review By	Semsettin Yesilyurt	Review On	10/4/2024 10:17:50 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/4/2024 10:18:45 AM		
SubDirectory	VY100324	HP Acquire Method		HP Processing Method	82y090924s.m

STD. NAME	STD REF.#
Tune/Reschk	VP130673
Initial Calibration Stds	
CCC	VP130675,VP130676
Internal Standard/PEM	VP130432
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY019775.D	03 Oct 2024 08:34		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY019776.D	03 Oct 2024 09:44		SY/MD	Ok,M
3	VY1003SBL01	VY1003SBL01	VY019777.D	03 Oct 2024 10:17		SY/MD	Ok
4	VY1003SBS01	VY1003SBS01	VY019778.D	03 Oct 2024 11:01		SY/MD	Ok,M
5	VY1003SBSD01	VY1003SBSD01	VY019779.D	03 Oct 2024 11:29	Recovery fail	SY/MD	Not Ok
6	P4258-03RE	Chamberlain AveRE	VY019780.D	03 Oct 2024 12:10	Internal Standard Fail vial-B	SY/MD	Confirms
7	P4242-03	TP-Q-VOC	VY019781.D	03 Oct 2024 12:34	vial-B	SY/MD	Ok
8	P4277-01	BU-03-10022024	VY019782.D	03 Oct 2024 12:57	NOT PURGE vial-a	SY/MD	Not Ok
9	P4277-02	BU-03-10022024	VY019783.D	03 Oct 2024 13:21	Not purge vial-A	SY/MD	Not Ok
10	P4276-01	VNJ-208	VY019784.D	03 Oct 2024 13:44	vial-A	SY/MD	Ok
11	P4273-02	AU-05-100224	VY019785.D	03 Oct 2024 14:07	Internal Standard Fail vial-A	SY/MD	ReRun
12	P4275-01	TRE-1300	VY019786.D	03 Oct 2024 14:31	Need MeOH vial-a	SY/MD	Dilution
13	P4254-01	MH-147-SLUDGE	VY019787.D	03 Oct 2024 14:54	Internal standard fail	SY/MD	Ok
14	P4254-02RE	MH-147-SLUDGE-VOC	VY019788.D	03 Oct 2024 15:18	Internal standard fail;Confirm Concentration vial-B	SY/MD	Not Ok
15	P4270-03	IB-2-VOC	VY019789.D	03 Oct 2024 15:41	Confirm Concentration vial-a	SY/MD	Not Ok
16	VSTDCCC050	VSTDCCC050EC	VY019790.D	03 Oct 2024 16:41		SY/MD	Ok,M

M : Manual Integration

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LAB CHRONICLE

OrderID:	P4258	**OrderDate:**	10/1/2024 1:21:00 PM
Client:	Roman E&G Corp	**Project:**	Perth Amboy
Contact:	Mark Mattheiss	**Location:**	H11,H51

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
P4258-03	**Chamberlain Ave**	**SOIL**			**10/01/24**			**10/01/24**
			VOC-TCLVOA-10	8260D			10/02/24	
P4258-03RE	**Chamberlain AveRE**	**SOIL**			**10/01/24**			**10/01/24**
			VOC-TCLVOA-10	8260D			10/03/24	
P4258-04	**Chamberlain Ave**	**TCLP**			**10/01/24**			**10/01/24**
			TCLP VOA	8260D			10/03/24	