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

Hit Summary Sheet
SW-846

SDG No.: Q1447

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID:	**WC1**								
Q1447-01	WC1	SOIL	Acetone		12.2	J	6.70	26.9	ug/Kg
Q1447-01	WC1	SOIL	m/p-Xylenes		3.90	J	1.50	10.8	ug/Kg
Q1447-01	WC1	SOIL	o-Xylene		2.30	J	0.75	5.40	ug/Kg
Q1447-01	WC1	SOIL	Isopropylbenzene		3.90	J	0.72	5.40	ug/Kg
			Total Voc :		22.3				
Q1447-01	WC1	SOIL	unknown14.182	*	280	J	0	0	ug/Kg
Q1447-01	WC1	SOIL	p-Cymene	*	380	J	0	0	ug/Kg
Q1447-01	WC1	SOIL	Benzene, 1,4-diethyl-	*	240	J	0	0	ug/Kg
Q1447-01	WC1	SOIL	Naphthalene, decahydro-, trans	*	890	J	0	0	ug/Kg
Q1447-01	WC1	SOIL	o-Cymene	*	200	J	0	0	ug/Kg
Q1447-01	WC1	SOIL	Benzene, 1-ethyl-2,4-dimethyl-	*	280	J	0	0	ug/Kg
Q1447-01	WC1	SOIL	Benzene, 1-ethyl-2,3-dimethyl-	*	390	J	0	0	ug/Kg
Q1447-01	WC1	SOIL	Benzene, 1-methyl-2-(2-propen	*	260	J	0	0	ug/Kg
Q1447-01	WC1	SOIL	Decane, 4-methyl-	*	690	J	0	0	ug/Kg
Q1447-01	WC1	SOIL	Oxalic acid, cyclohexylmethyl	*	250	J	0	0	ug/Kg
Q1447-01	WC1	SOIL	n-propylbenzene	*	9.50	J	0.69	5.40	ug/Kg
Q1447-01	WC1	SOIL	1,3,5-Trimethylbenzene	*	9.10	J	0.69	5.40	ug/Kg
Q1447-01	WC1	SOIL	1,2,4-Trimethylbenzene	*	130	J	1.50	5.40	ug/Kg
Q1447-01	WC1	SOIL	sec-Butylbenzene	*	15.0	J	0.72	5.40	ug/Kg
Q1447-01	WC1	SOIL	p-Isopropyltoluene	*	3.10	J	0.63	5.40	ug/Kg
Q1447-01	WC1	SOIL	n-Butylbenzene	*	24.9	J	0.68	5.40	ug/Kg
			Total Tics :		4050				
			Total Concentration:		4070				

SAMPLE DATA

Raw Data: **VY021412.D**

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

Client:	G Environmental	Date Collected:	02/23/25
Project:	Nelson	Date Received:	02/26/25
Client Sample ID:	WC1	SDG No.:	Q1447
Lab Sample ID:	Q1447-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	92.4
Sample Wt/Vol:	5.02 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021412.D	1		03/05/25 14:58	VY030525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.80	U	1.80	5.40	ug/Kg
74-87-3	Chloromethane	1.30	U	1.30	5.40	ug/Kg
75-01-4	Vinyl Chloride	0.83	U	0.83	5.40	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.40	ug/Kg
75-00-3	Chloroethane	1.10	U	1.10	5.40	ug/Kg
75-69-4	Trichlorofluoromethane	0.98	U	0.98	5.40	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.20	U	1.20	5.40	ug/Kg
75-35-4	1,1-Dichloroethene	0.84	U	0.84	5.40	ug/Kg
67-64-1	Acetone	12.2	J	6.70	26.9	ug/Kg
75-15-0	Carbon Disulfide	1.40	U	1.40	5.40	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.72	U	0.72	5.40	ug/Kg
79-20-9	Methyl Acetate	1.90	U	1.90	5.40	ug/Kg
75-09-2	Methylene Chloride	3.70	U	3.70	10.8	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.91	U	0.91	5.40	ug/Kg
75-34-3	1,1-Dichloroethane	0.68	U	0.68	5.40	ug/Kg
110-82-7	Cyclohexane	0.74	U	0.74	5.40	ug/Kg
78-93-3	2-Butanone	6.10	U	6.10	26.9	ug/Kg
56-23-5	Carbon Tetrachloride	0.94	U	0.94	5.40	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.66	U	0.66	5.40	ug/Kg
74-97-5	Bromochloromethane	2.60	U	2.60	5.40	ug/Kg
67-66-3	Chloroform	0.72	U	0.72	5.40	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.84	U	0.84	5.40	ug/Kg
108-87-2	Methylcyclohexane	0.94	U	0.94	5.40	ug/Kg
71-43-2	Benzene	0.78	U	0.78	5.40	ug/Kg
107-06-2	1,2-Dichloroethane	0.66	U	0.66	5.40	ug/Kg
79-01-6	Trichloroethene	0.81	U	0.81	5.40	ug/Kg
78-87-5	1,2-Dichloropropane	0.71	U	0.71	5.40	ug/Kg
75-27-4	Bromodichloromethane	0.60	U	0.60	5.40	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.70	U	4.70	26.9	ug/Kg
108-88-3	Toluene	0.72	U	0.72	5.40	ug/Kg

Raw Data: **VY021412.D**

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Report of Analysis

Client:	G Environmental	Date Collected:	02/23/25
Project:	Nelson	Date Received:	02/26/25
Client Sample ID:	WC1	SDG No.:	Q1447
Lab Sample ID:	Q1447-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	92.4
Sample Wt/Vol:	5.02 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021412.D	1		03/05/25 14:58	VY030525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.65	U	0.65	5.40	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.61	U	0.61	5.40	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.91	U	0.91	5.40	ug/Kg
591-78-6	2-Hexanone	5.20	U	5.20	26.9	ug/Kg
124-48-1	Dibromochloromethane	0.70	U	0.70	5.40	ug/Kg
106-93-4	1,2-Dibromoethane	0.85	U	0.85	5.40	ug/Kg
127-18-4	Tetrachloroethene	0.96	U	0.96	5.40	ug/Kg
108-90-7	Chlorobenzene	0.80	U	0.80	5.40	ug/Kg
100-41-4	Ethyl Benzene	0.67	U	0.67	5.40	ug/Kg
179601-23-1	m/p-Xylenes	3.90	J	1.50	10.8	ug/Kg
95-47-6	o-Xylene	2.30	J	0.75	5.40	ug/Kg
100-42-5	Styrene	0.65	U	0.65	5.40	ug/Kg
75-25-2	Bromoform	0.87	U	0.87	5.40	ug/Kg
98-82-8	Isopropylbenzene	3.90	J	0.72	5.40	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	5.40	ug/Kg
541-73-1	1,3-Dichlorobenzene	0.80	U	0.80	5.40	ug/Kg
106-46-7	1,4-Dichlorobenzene	0.86	U	0.86	5.40	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.64	U	0.64	5.40	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.70	U	1.70	5.40	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	0.85	U	0.85	5.40	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	0.84	U	0.84	5.40	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	58.0		70 (63) - 130 (155)	116%	SPK: 50
1868-53-7	Dibromofluoromethane	51.7		70 (70) - 130 (134)	103%	SPK: 50
2037-26-5	Toluene-d8	47.6		70 (74) - 130 (123)	95%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.5		70 (38) - 130 (136)	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	247000	7.707			
540-36-3	1,4-Difluorobenzene	461000	8.609			
3114-55-4	Chlorobenzene-d5	409000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	165000	13.346			
TENTATIVE IDENTIFIED COMPOUNDS						

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Report of Analysis

Client:	G Environmental	Date Collected:	02/23/25
Project:	Nelson	Date Received:	02/26/25
Client Sample ID:	WC1	SDG No.:	Q1447
Lab Sample ID:	Q1447-01	Matrix:	SOIL
Analytical Method:	SW8260	% Solid:	92.4
Sample Wt/Vol:	5.02 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY021412.D	1		03/05/25 14:58	VY030525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
103-65-1	n-propylbenzene	9.50	J		12.6	ug/Kg
1010309-68-1	Oxalic acid, cyclohexylmethyl prop	250	J		12.7	ug/Kg
108-67-8	1,3,5-Trimethylbenzene	9.10	J		12.7	ug/Kg
002847-72-5	Decane, 4-methyl-	690	J		13.0	ug/Kg
95-63-6	1,2,4-Trimethylbenzene	130	J		13.0	ug/Kg
135-98-8	sec-Butylbenzene	15.0	J		13.2	ug/Kg
99-87-6	p-Isopropyltoluene	3.10	J		13.3	ug/Kg
000105-05-5	Benzene, 1,4-diethyl-	240	J		13.5	ug/Kg
104-51-8	n-Butylbenzene	24.9	J		13.6	ug/Kg
000493-02-7	Naphthalene, decahydro-, trans-	890	J		13.7	ug/Kg
000099-87-6	p-Cymene	380	J		13.8	ug/Kg
000933-98-2	Benzene, 1-ethyl-2,3-dimethyl-	390	J		13.9	ug/Kg
001587-04-8	Benzene, 1-methyl-2-(2-propenyl)-	260	J		14.0	ug/Kg
	unknown14.182	280	J		14.2	ug/Kg
000527-84-4	o-Cymene	200	J		14.3	ug/Kg
000874-41-9	Benzene, 1-ethyl-2,4-dimethyl-	280	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

QC SUMMARY

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

SDG No.: Q1447

Client: G Environmental

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q1447-01	WC1	1,2-Dichloroethane-d4	50	58.0	116	70 (63)	130 (155)
		Dibromofluoromethane	50	51.7	103	70 (70)	130 (134)
		Toluene-d8	50	47.6	95	70 (74)	130 (123)
		4-Bromofluorobenzene	50	48.5	97	70 (38)	130 (136)
VY0305SBL01	VY0305SBL01	1,2-Dichloroethane-d4	50	57.5	115	70 (63)	130 (155)
		Dibromofluoromethane	50	50.5	101	70 (70)	130 (134)
		Toluene-d8	50	48.2	96	70 (74)	130 (123)
		4-Bromofluorobenzene	50	43.8	88	70 (38)	130 (136)
VY0305SBS01	VY0305SBS01	1,2-Dichloroethane-d4	50	58.9	118	70 (63)	130 (155)
		Dibromofluoromethane	50	54.7	109	70 (70)	130 (134)
		Toluene-d8	50	54.1	108	70 (74)	130 (123)
		4-Bromofluorobenzene	50	54.7	109	70 (38)	130 (136)
VY0305SBSD01	VY0305SBSD01	1,2-Dichloroethane-d4	50	55.3	110	70 (63)	130 (155)
		Dibromofluoromethane	50	52.4	105	70 (70)	130 (134)
		Toluene-d8	50	52.5	105	70 (74)	130 (123)
		4-Bromofluorobenzene	50	52.2	104	70 (38)	130 (136)

( ) = LABORATORY INHOUSE LIMIT

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.: Q1447

Client: G Environmental

Analytical Method: SW8260D **Datafile :** VY021408.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0305SBS01	Dichlorodifluoromethane	20	18.0	ug/Kg	90			40 (64)	160 (136)	
	Chloromethane	20	19.8	ug/Kg	99			40 (70)	160 (130)	
	Vinyl chloride	20	20.1	ug/Kg	101			70 (72)	130 (129)	
	Bromomethane	20	22.6	ug/Kg	113			40 (58)	160 (141)	
	Chloroethane	20	20.9	ug/Kg	104			40 (69)	160 (130)	
	Trichlorofluoromethane	20	19.8	ug/Kg	99			40 (69)	160 (134)	
	1,1,2-Trichlorotrifluoroethane	20	19.2	ug/Kg	96			70 (81)	130 (123)	
	1,1-Dichloroethene	20	19.0	ug/Kg	95			70 (79)	130 (121)	
	Acetone	100	84.6	ug/Kg	85			40 (60)	160 (131)	
	Carbon disulfide	20	18.6	ug/Kg	93			40 (45)	160 (154)	
	Methyl tert-butyl Ether	20	20.2	ug/Kg	101			70 (77)	130 (129)	
	Methyl Acetate	20	21.9	ug/Kg	110			70 (69)	130 (149)	
	Methylene Chloride	20	20.9	ug/Kg	104			70 (56)	130 (174)	
	trans-1,2-Dichloroethene	20	19.2	ug/Kg	96			70 (80)	130 (123)	
	1,1-Dichloroethane	20	20.0	ug/Kg	100			70 (82)	130 (123)	
	Cyclohexane	20	18.3	ug/Kg	92			70 (76)	130 (122)	
	2-Butanone	100	95.9	ug/Kg	96			40 (69)	160 (131)	
	Carbon Tetrachloride	20	17.9	ug/Kg	90			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	20	19.5	ug/Kg	98			70 (82)	130 (123)	
	Bromochloromethane	20	23.3	ug/Kg	117			70 (80)	130 (127)	
	Chloroform	20	20.2	ug/Kg	101			70 (82)	130 (125)	
	1,1,1-Trichloroethane	20	19.4	ug/Kg	97			70 (80)	130 (126)	
	Methylcyclohexane	20	17.5	ug/Kg	88			70 (77)	130 (123)	
	Benzene	20	18.7	ug/Kg	94			70 (84)	130 (121)	
	1,2-Dichloroethane	20	19.7	ug/Kg	99			70 (81)	130 (126)	
	Trichloroethene	20	18.4	ug/Kg	92			70 (83)	130 (122)	
	1,2-Dichloropropane	20	19.5	ug/Kg	98			70 (83)	130 (122)	
	Bromodichloromethane	20	19.5	ug/Kg	98			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	100	100	ug/Kg	100			40 (70)	160 (135)	
	Toluene	20	18.8	ug/Kg	94			70 (83)	130 (122)	
	t-1,3-Dichloropropene	20	19.1	ug/Kg	96			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	20	19.0	ug/Kg	95			70 (81)	130 (122)	
	1,1,2-Trichloroethane	20	20.2	ug/Kg	101			70 (82)	130 (125)	
	2-Hexanone	100	98.5	ug/Kg	99			40 (66)	160 (138)	
	Dibromochloromethane	20	19.3	ug/Kg	97			70 (79)	130 (125)	
	1,2-Dibromoethane	20	19.7	ug/Kg	99			70 (80)	130 (125)	
	Tetrachloroethene	20	18.6	ug/Kg	93			70 (83)	130 (125)	
	Chlorobenzene	20	18.3	ug/Kg	92			70 (84)	130 (122)	
	Ethyl Benzene	20	17.8	ug/Kg	89			70 (82)	130 (124)	
	m/p-Xylenes	40	36.1	ug/Kg	90			70 (83)	130 (124)	
	o-Xylene	20	18.5	ug/Kg	93			70 (83)	130 (123)	
	Styrene	20	18.5	ug/Kg	93			70 (82)	130 (124)	
	Bromoform	20	19.1	ug/Kg	96			70 (75)	130 (127)	
	Isopropylbenzene	20	17.2	ug/Kg	86			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	20	19.3	ug/Kg	97			70 (77)	130 (127)	
	1,3-Dichlorobenzene	20	17.9	ug/Kg	90			70 (83)	130 (122)	
	1,4-Dichlorobenzene	20	18.1	ug/Kg	91			70 (84)	130 (121)	
	1,2-Dichlorobenzene	20	18.3	ug/Kg	92			70 (83)	130 (124)	

( ) = LABORATORY INHOUSE LIMIT

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.: Q1447

Client: G Environmental

Analytical Method: SW8260D **Datafile :** VY021408.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0305SBS01	1,2-Dibromo-3-Chloropropane	20	19.5	ug/Kg	98			40 (66)	160 (134)	
	1,2,4-Trichlorobenzene	20	18.0	ug/Kg	90			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	20	18.1	ug/Kg	91			70 (70)	130 (137)	

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1447

Client: G Environmental

Analytical Method: SW8260D **Datafile :** VY021409.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY0305SBSD01	Dichlorodifluoromethane	20	18.1	ug/Kg	91	1		40 (64)	160 (136)	30 (20)
	Chloromethane	20	19.7	ug/Kg	99	0		40 (70)	160 (130)	30 (20)
	Vinyl chloride	20	20.1	ug/Kg	101	0		70 (72)	130 (129)	30 (20)
	Bromomethane	20	19.9	ug/Kg	100	12		40 (58)	160 (141)	30 (20)
	Chloroethane	20	20.2	ug/Kg	101	3		40 (69)	160 (130)	30 (20)
	Trichlorofluoromethane	20	18.8	ug/Kg	94	5		40 (69)	160 (134)	30 (20)
	1,1,2-Trichlorotrifluoroethane	20	18.1	ug/Kg	91	5		70 (81)	130 (123)	30 (20)
	1,1-Dichloroethene	20	18.5	ug/Kg	93	2		70 (79)	130 (121)	30 (20)
	Acetone	100	81.0	ug/Kg	81	5		40 (60)	160 (131)	30 (20)
	Carbon disulfide	20	18.3	ug/Kg	92	1		40 (45)	160 (154)	30 (20)
	Methyl tert-butyl Ether	20	19.0	ug/Kg	95	6		70 (77)	130 (129)	30 (20)
	Methyl Acetate	20	20.4	ug/Kg	102	8		70 (69)	130 (149)	30 (20)
	Methylene Chloride	20	19.4	ug/Kg	97	7		70 (56)	130 (174)	30 (20)
	trans-1,2-Dichloroethene	20	18.3	ug/Kg	92	4		70 (80)	130 (123)	30 (20)
	1,1-Dichloroethane	20	19.1	ug/Kg	96	4		70 (82)	130 (123)	30 (20)
	Cyclohexane	20	17.4	ug/Kg	87	6		70 (76)	130 (122)	30 (20)
	2-Butanone	100	90.3	ug/Kg	90	6		40 (69)	160 (131)	30 (20)
	Carbon Tetrachloride	20	17.7	ug/Kg	89	1		70 (76)	130 (129)	30 (20)
	cis-1,2-Dichloroethene	20	18.5	ug/Kg	93	5		70 (82)	130 (123)	30 (20)
	Bromochloromethane	20	20.3	ug/Kg	102	14		70 (80)	130 (127)	30 (20)
	Chloroform	20	19.0	ug/Kg	95	6		70 (82)	130 (125)	30 (20)
	1,1,1-Trichloroethane	20	18.2	ug/Kg	91	6		70 (80)	130 (126)	30 (20)
	Methylcyclohexane	20	16.9	ug/Kg	85	3		70 (77)	130 (123)	30 (20)
	Benzene	20	18.5	ug/Kg	93	1		70 (84)	130 (121)	30 (20)
	1,2-Dichloroethane	20	19.2	ug/Kg	96	3		70 (81)	130 (126)	30 (20)
	Trichloroethene	20	17.9	ug/Kg	90	2		70 (83)	130 (122)	30 (20)
	1,2-Dichloropropane	20	18.5	ug/Kg	93	5		70 (83)	130 (122)	30 (20)
	Bromodichloromethane	20	18.4	ug/Kg	92	6		70 (82)	130 (123)	30 (20)
	4-Methyl-2-Pentanone	100	95.6	ug/Kg	96	4		40 (70)	160 (135)	30 (20)
	Toluene	20	18.2	ug/Kg	91	3		70 (83)	130 (122)	30 (20)
	t-1,3-Dichloropropene	20	18.7	ug/Kg	94	2		70 (78)	130 (124)	30 (20)
	cis-1,3-Dichloropropene	20	18.2	ug/Kg	91	4		70 (81)	130 (122)	30 (20)
	1,1,2-Trichloroethane	20	19.2	ug/Kg	96	5		70 (82)	130 (125)	30 (20)
	2-Hexanone	100	94.7	ug/Kg	95	4		40 (66)	160 (138)	30 (20)
	Dibromochloromethane	20	18.5	ug/Kg	93	4		70 (79)	130 (125)	30 (20)
	1,2-Dibromoethane	20	18.9	ug/Kg	95	4		70 (80)	130 (125)	30 (20)
	Tetrachloroethene	20	18.1	ug/Kg	91	2		70 (83)	130 (125)	30 (20)
	Chlorobenzene	20	17.9	ug/Kg	90	2		70 (84)	130 (122)	30 (20)
	Ethyl Benzene	20	17.5	ug/Kg	88	1		70 (82)	130 (124)	30 (20)
	m/p-Xylenes	40	35.3	ug/Kg	88	2		70 (83)	130 (124)	30 (20)
	o-Xylene	20	17.6	ug/Kg	88	6		70 (83)	130 (123)	30 (20)
	Styrene	20	18.2	ug/Kg	91	2		70 (82)	130 (124)	30 (20)
	Bromoform	20	18.5	ug/Kg	93	3		70 (75)	130 (127)	30 (20)
	Isopropylbenzene	20	17.2	ug/Kg	86	0		70 (82)	130 (124)	30 (20)
	1,1,2,2-Tetrachloroethane	20	18.5	ug/Kg	93	4		70 (77)	130 (127)	30 (20)
	1,3-Dichlorobenzene	20	17.6	ug/Kg	88	2		70 (83)	130 (122)	30 (20)
	1,4-Dichlorobenzene	20	17.5	ug/Kg	88	3		70 (84)	130 (121)	30 (20)
	1,2-Dichlorobenzene	20	17.8	ug/Kg	89	3		70 (83)	130 (124)	30 (20)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1447

Client: G Environmental

Analytical Method: SW8260D **Datafile :** VY021409.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY0305SBSD01	1,2-Dibromo-3-Chloropropane	20	19.4	ug/Kg	97	1		40 (66)	160 (134)	30 (20)
	1,2,4-Trichlorobenzene	20	17.6	ug/Kg	88	2		70 (78)	130 (127)	30 (20)
	1,2,3-Trichlorobenzene	20	17.7	ug/Kg	89	2		70 (70)	130 (137)	30 (20)

( ) = LABORATORY INHOUSE LIMIT

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0305SBL01

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1447 SAS No.: Q1447 SDG NO.: Q1447

Lab File ID: VY021407.D Lab Sample ID: VY0305SBL01

Date Analyzed: 03/05/2025 Time Analyzed: 12:02

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
VY0305SBS01	VY0305SBS01	VY021408.D	03/05/2025
VY0305SBSD01	VY0305SBSD01	VY021409.D	03/05/2025
WC1	Q1447-01	VY021412.D	03/05/2025

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1447 SAS No.: Q1447 SDG NO.: Q1447

Lab File ID: VY021395.D BFB Injection Date: 03/04/2025

Instrument ID: MSVOA_Y BFB Injection Time: 08:52

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	20.6
75	30.0 - 60.0% of mass 95	54.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	1.4 (1.8) 1
174	50.0 - 100.0% of mass 95	77.8
175	5.0 - 9.0% of mass 174	6.6 (8.4) 1
176	95.0 - 101.0% of mass 174	75.7 (97.2) 1
177	5.0 - 9.0% of mass 176	5 (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
VSTDICC010	VSTDICC010	VY021397.D	03/04/2025	09:46
VSTDICC020	VSTDICC020	VY021398.D	03/04/2025	10:09
VSTDICCC050	VSTDICCC050	VY021399.D	03/04/2025	10:30
VSTDICC100	VSTDICC100	VY021400.D	03/04/2025	11:06
VSTDICC150	VSTDICC150	VY021401.D	03/04/2025	11:29
VSTDICC005	VSTDICC005	VY021403.D	03/04/2025	12:15

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1447 SAS No.: Q1447 SDG NO.: Q1447

Lab File ID: VY021405.D BFB Injection Date: 03/05/2025

Instrument ID: MSVOA_Y BFB Injection Time: 09:41

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	20.8
75	30.0 - 60.0% of mass 95	53.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	1.2 (1.5) 1
174	50.0 - 100.0% of mass 95	81.2
175	5.0 - 9.0% of mass 174	6.6 (8.1) 1
176	95.0 - 101.0% of mass 174	77.7 (95.7) 1
177	5.0 - 9.0% of mass 176	5 (6.5) 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	VY021406.D	03/05/2025	11:39
VY0305SBL01	VY0305SBL01	VY021407.D	03/05/2025	12:02
VY0305SBS01	VY0305SBS01	VY021408.D	03/05/2025	13:23
VY0305SBSD01	VY0305SBSD01	VY021409.D	03/05/2025	13:45
WC1	Q1447-01	VY021412.D	03/05/2025	14:58

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1447 SAS No.: Q1447 SDG NO.: Q1447

Lab File ID: VY021406.D Date Analyzed: 03/05/2025

Instrument ID: MSVOA_Y Time Analyzed: 11:39

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	253694	7.71	393321	8.62	351518	11.41
UPPER LIMIT	507388	8.207	786642	9.116	703036	11.914
LOWER LIMIT	126847	7.207	196661	8.116	175759	10.914
EPA SAMPLE NO.						
WC1	247210	7.71	461499	8.61	408888	11.41
VY0305SBL01	222723	7.71	373589	8.62	318454	11.41
VY0305SBS01	201041	7.71	324142	8.62	291860	11.42
VY0305SBSD01	219622	7.71	350519	8.62	311213	11.41

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1447 SAS No.: Q1447 SDG NO.: Q1447

Lab File ID: VY021406.D Date Analyzed: 03/05/2025

Instrument ID: MSVOA_Y Time Analyzed: 11:39

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

	IS4 AREA #	RT #				
12 HOUR STD	179824	13.346				
UPPER LIMIT	359648	13.846				
LOWER LIMIT	89912	12.846				
EPA SAMPLE NO.						
WC1	164565	13.35				
VY0305SBL01	140807	13.35				
VY0305SBS01	150751	13.35				
VY0305SBSD01	157165	13.35				

IS4 = 1,4-Dichlorobenzene-d4

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

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

QC SAMPLE DATA

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Nelson	Date Received:	
Client Sample ID:	VY0305SBL01	SDG No.:	Q1447
Lab Sample ID:	VY0305SBL01	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
VY021407.D	1		03/05/25 12:02	VY030525

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: **VY021407.D**

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Nelson	Date Received:	
Client Sample ID:	VY0305SBL01	SDG No.:	Q1447
Lab Sample ID:	VY0305SBL01	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
VY021407.D	1		03/05/25 12:02	VY030525

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	57.5		70 (63) - 130 (155)	115%	SPK: 50
1868-53-7	Dibromofluoromethane	50.5		70 (70) - 130 (134)	101%	SPK: 50
2037-26-5	Toluene-d8	48.2		70 (74) - 130 (123)	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.8		70 (38) - 130 (136)	88%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	223000	7.707			
540-36-3	1,4-Difluorobenzene	374000	8.616			
3114-55-4	Chlorobenzene-d5	318000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	141000	13.346			

Raw Data: **VY021407.D**

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Nelson	Date Received:	
Client Sample ID:	VY0305SBL01	SDG No.:	Q1447
Lab Sample ID:	VY0305SBL01	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
VY021407.D	1		03/05/25 12:02	VY030525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Nelson	Date Received:	
Client Sample ID:	VY0305SBS01	SDG No.:	Q1447
Lab Sample ID:	VY0305SBS01	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
VY021408.D	1		03/05/25 13:23	VY030525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	18.0		1.70	5.00	ug/Kg
74-87-3	Chloromethane	19.8		1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	20.1		0.77	5.00	ug/Kg
74-83-9	Bromomethane	22.6		1.00	5.00	ug/Kg
75-00-3	Chloroethane	20.9		1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	19.8		0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	19.2		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	19.0		0.78	5.00	ug/Kg
67-64-1	Acetone	84.6		6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	18.6		1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	20.2		0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	21.9		1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	20.9		3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	19.2		0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.0		0.63	5.00	ug/Kg
110-82-7	Cyclohexane	18.3		0.69	5.00	ug/Kg
78-93-3	2-Butanone	95.9		5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	17.9		0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	19.5		0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	23.3		2.40	5.00	ug/Kg
67-66-3	Chloroform	20.2		0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	19.4		0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	17.5		0.87	5.00	ug/Kg
71-43-2	Benzene	18.7		0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	19.7		0.61	5.00	ug/Kg
79-01-6	Trichloroethene	18.4		0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	19.5		0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	19.5		0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	100		4.40	25.0	ug/Kg
108-88-3	Toluene	18.8		0.67	5.00	ug/Kg

Raw Data: **VY021408.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Nelson	Date Received:	
Client Sample ID:	VY0305SBS01	SDG No.:	Q1447
Lab Sample ID:	VY0305SBS01	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
VY021408.D	1		03/05/25 13:23	VY030525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	19.1		0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	19.0		0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.2		0.84	5.00	ug/Kg
591-78-6	2-Hexanone	98.5		4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	19.3		0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	19.7		0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	18.6		0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	18.3		0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	17.8		0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	36.1		1.40	10.0	ug/Kg
95-47-6	o-Xylene	18.5		0.70	5.00	ug/Kg
100-42-5	Styrene	18.5		0.60	5.00	ug/Kg
75-25-2	Bromoform	19.1		0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	17.2		0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	19.3		1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	17.9		0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	18.1		0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	18.3		0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	19.5		1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	18.0		0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	18.1		0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	58.9		70 (63) - 130 (155)	118%	SPK: 50
1868-53-7	Dibromofluoromethane	54.7		70 (70) - 130 (134)	109%	SPK: 50
2037-26-5	Toluene-d8	54.1		70 (74) - 130 (123)	108%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.7		70 (38) - 130 (136)	109%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	201000	7.707			
540-36-3	1,4-Difluorobenzene	324000	8.615			
3114-55-4	Chlorobenzene-d5	292000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	151000	13.346			

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Nelson	Date Received:	
Client Sample ID:	VY0305SBS01	SDG No.:	Q1447
Lab Sample ID:	VY0305SBS01	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
VY021408.D	1		03/05/25 13:23	VY030525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Nelson	Date Received:	
Client Sample ID:	VY0305SBSD01	SDG No.:	Q1447
Lab Sample ID:	VY0305SBSD01	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
VY021409.D	1		03/05/25 13:45	VY030525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	18.1		1.70	5.00	ug/Kg
74-87-3	Chloromethane	19.7		1.20	5.00	ug/Kg
75-01-4	Vinyl Chloride	20.1		0.77	5.00	ug/Kg
74-83-9	Bromomethane	19.9		1.00	5.00	ug/Kg
75-00-3	Chloroethane	20.2		1.00	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	18.8		0.91	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	18.1		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	18.5		0.78	5.00	ug/Kg
67-64-1	Acetone	81.0		6.20	25.0	ug/Kg
75-15-0	Carbon Disulfide	18.3		1.30	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	19.0		0.67	5.00	ug/Kg
79-20-9	Methyl Acetate	20.4		1.80	5.00	ug/Kg
75-09-2	Methylene Chloride	19.4		3.40	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	18.3		0.84	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	19.1		0.63	5.00	ug/Kg
110-82-7	Cyclohexane	17.4		0.69	5.00	ug/Kg
78-93-3	2-Butanone	90.3		5.70	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	17.7		0.87	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	18.5		0.61	5.00	ug/Kg
74-97-5	Bromochloromethane	20.3		2.40	5.00	ug/Kg
67-66-3	Chloroform	19.0		0.67	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	18.2		0.78	5.00	ug/Kg
108-87-2	Methylcyclohexane	16.9		0.87	5.00	ug/Kg
71-43-2	Benzene	18.5		0.72	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	19.2		0.61	5.00	ug/Kg
79-01-6	Trichloroethene	17.9		0.75	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	18.5		0.66	5.00	ug/Kg
75-27-4	Bromodichloromethane	18.4		0.56	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	95.6		4.40	25.0	ug/Kg
108-88-3	Toluene	18.2		0.67	5.00	ug/Kg

Raw Data: **VY021409.D**

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Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Nelson	Date Received:	
Client Sample ID:	VY0305SBSD01	SDG No.:	Q1447
Lab Sample ID:	VY0305SBSD01	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
VY021409.D	1		03/05/25 13:45	VY030525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	18.7		0.60	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	18.2		0.57	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	19.2		0.84	5.00	ug/Kg
591-78-6	2-Hexanone	94.7		4.80	25.0	ug/Kg
124-48-1	Dibromochloromethane	18.5		0.65	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	18.9		0.79	5.00	ug/Kg
127-18-4	Tetrachloroethene	18.1		0.89	5.00	ug/Kg
108-90-7	Chlorobenzene	17.9		0.74	5.00	ug/Kg
100-41-4	Ethyl Benzene	17.5		0.62	5.00	ug/Kg
179601-23-1	m/p-Xylenes	35.3		1.40	10.0	ug/Kg
95-47-6	o-Xylene	17.6		0.70	5.00	ug/Kg
100-42-5	Styrene	18.2		0.60	5.00	ug/Kg
75-25-2	Bromoform	18.5		0.81	5.00	ug/Kg
98-82-8	Isopropylbenzene	17.2		0.67	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	18.5		1.10	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	17.6		0.74	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	17.5		0.80	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	17.8		0.59	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	19.4		1.60	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	17.6		0.79	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	17.7		0.78	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.2		70 (63) - 130 (155)	110%	SPK: 50
1868-53-7	Dibromofluoromethane	52.4		70 (70) - 130 (134)	105%	SPK: 50
2037-26-5	Toluene-d8	52.5		70 (74) - 130 (123)	105%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.2		70 (38) - 130 (136)	104%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	220000	7.707			
540-36-3	1,4-Difluorobenzene	351000	8.616			
3114-55-4	Chlorobenzene-d5	311000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	157000	13.346			

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Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Nelson	Date Received:	
Client Sample ID:	VY0305SBSD01	SDG No.:	Q1447
Lab Sample ID:	VY0305SBSD01	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
VY021409.D	1		03/05/25 13:45	VY030525

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: GENV01

Lab Code: CHEM Case No.: Q1447 SAS No.: Q1447 SDG No.: Q1447

Instrument ID: MSVOA_Y Calibration Date(s): 03/04/2025 03/04/2025

Heated Purge: (Y/N) Y Calibration Time(s): 09:46 12:15

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

LAB FILE ID: RRF010 = VY021397.D RRF020 = VY021398.D RRF050 = VY021399.D
RRF100 = VY021400.D RRF150 = VY021401.D RRF005 = VY021403.D

COMPOUND	RRF010	RRF020	RRF050	RRF100	RRF150	RRF005	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.493	0.416	0.447	0.440	0.429	0.529	0.459	9.4
Chloromethane	0.694	0.588	0.617	0.608	0.580	0.793	0.647	12.7
Vinyl Chloride	0.762	0.639	0.691	0.706	0.665	0.778	0.707	7.7
Bromomethane	0.555	0.450	0.468	0.483	0.468	0.641	0.511	14.4
Chloroethane	0.505	0.427	0.460	0.458	0.432	0.521	0.467	8.2
Trichlorofluoromethane	1.050	0.896	0.967	0.963	0.935	1.109	0.987	8
1,1,2-Trichlorotrifluoroethane	0.600	0.507	0.538	0.542	0.525	0.668	0.563	10.7
1,1-Dichloroethene	0.542	0.460	0.506	0.512	0.494	0.566	0.514	7.2
Acetone	0.124	0.091	0.134	0.103	0.095	0.144	0.115	18.9
Carbon Disulfide	1.705	1.425	1.631	1.618	1.546	1.732	1.610	7
Methyl tert-butyl Ether	1.290	1.177	1.366	1.299	1.315	1.364	1.302	5.3
Methyl Acetate	0.253	0.227	0.284	0.245	0.257	0.268	0.256	7.6
Methylene Chloride	0.717	0.538	0.552	0.530	0.507	0.788	0.605	19.4
trans-1,2-Dichloroethene	0.608	0.516	0.564	0.570	0.545	0.648	0.575	8.1
1,1-Dichloroethane	1.124	0.955	1.050	1.035	0.991	1.179	1.056	7.9
Cyclohexane	1.039	0.885	0.941	0.943	0.914	1.216	0.990	12.4
2-Butanone	0.160	0.136	0.181	0.149	0.151	0.180	0.159	11.2
Carbon Tetrachloride	0.627	0.538	0.587	0.595	0.579	0.625	0.592	5.6
cis-1,2-Dichloroethene	0.675	0.592	0.654	0.658	0.639	0.702	0.653	5.6
Bromochloromethane	0.481	0.423	0.467	0.426	0.380	0.478	0.443	9
Chloroform	1.181	0.992	1.087	1.066	1.029	1.222	1.096	8.1
1,1,1-Trichloroethane	1.063	0.894	0.978	0.983	0.953	1.151	1.004	9
Methylcyclohexane	0.595	0.550	0.651	0.680	0.669	0.641	0.631	7.8
Benzene	1.554	1.366	1.542	1.540	1.473	1.618	1.515	5.7
1,2-Dichloroethane	0.446	0.386	0.436	0.414	0.408	0.453	0.424	6.1
Trichloroethene	0.390	0.349	0.381	0.384	0.378	0.415	0.383	5.5
1,2-Dichloropropane	0.371	0.333	0.368	0.358	0.347	0.388	0.361	5.3
Bromodichloromethane	0.550	0.485	0.548	0.535	0.521	0.559	0.533	5
4-Methyl-2-Pentanone	0.210	0.202	0.263	0.230	0.243	0.219	0.228	9.9
Toluene	0.952	0.853	0.988	0.997	0.958	0.983	0.955	5.6

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

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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1447 SAS No.: Q1447 SDG No.: Q1447

Instrument ID: MSVOA_Y Calibration Date(s): 03/04/2025 03/04/2025

Heated Purge: (Y/N) Y Calibration Time(s): 09:46 12:15

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

LAB FILE ID: RRF010 = VY021397.D RRF020 = VY021398.D RRF050 = VY021399.D
RRF100 = VY021400.D RRF150 = VY021401.D RRF005 = VY021403.D

COMPOUND	RRF010	RRF020	RRF050	RRF100	RRF150	RRF005	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.447	0.420	0.499	0.495	0.495	0.461	0.470	6.8
cis-1,3-Dichloropropene	0.544	0.498	0.587	0.579	0.566	0.570	0.557	5.8
1,1,2-Trichloroethane	0.264	0.237	0.283	0.259	0.257	0.274	0.263	6
2-Hexanone	0.135	0.129	0.182	0.156	0.163	0.139	0.151	13.1
Dibromochloromethane	0.358	0.327	0.376	0.363	0.361	0.374	0.360	4.9
1,2-Dibromoethane	0.246	0.226	0.262	0.248	0.247	0.258	0.248	5.1
Tetrachloroethene	0.418	0.370	0.403	0.407	0.393	0.449	0.407	6.5
Chlorobenzene	1.194	1.065	1.186	1.192	1.165	1.283	1.181	5.9
Ethyl Benzene	2.005	1.825	2.135	2.209	2.146	2.115	2.072	6.7
m/p-Xylenes	0.761	0.705	0.822	0.833	0.803	0.797	0.787	6
o-Xylene	0.700	0.635	0.759	0.779	0.754	0.723	0.725	7.2
Styrene	1.133	1.084	1.277	1.306	1.267	1.151	1.203	7.6
Bromoform	0.227	0.213	0.250	0.237	0.238	0.235	0.233	5.3
Isopropylbenzene	3.797	3.468	4.034	4.231	4.124	3.977	3.939	6.9
1,1,2,2-Tetrachloroethane	0.712	0.637	0.727	0.667	0.690	0.737	0.695	5.4
1,3-Dichlorobenzene	1.861	1.640	1.812	1.840	1.822	2.031	1.834	6.8
1,4-Dichlorobenzene	1.820	1.624	1.782	1.783	1.764	1.989	1.794	6.5
1,2-Dichlorobenzene	1.561	1.431	1.588	1.568	1.560	1.723	1.572	5.9
1,2-Dibromo-3-Chloropropane	0.101	0.092	0.108	0.098	0.108	0.117	0.104	8.3
1,2,4-Trichlorobenzene	0.723	0.735	0.908	0.926	0.994	0.864	0.859	12.7
1,2,3-Trichlorobenzene	0.604	0.614	0.775	0.771	0.835	0.734	0.722	13
1,2-Dichloroethane-d4	0.580	0.514	0.482	0.511	0.477	0.606	0.528	10
Dibromofluoromethane	0.348	0.315	0.296	0.332	0.311	0.371	0.329	8.3
Toluene-d8	1.276	1.179	1.135	1.289	1.203	1.384	1.244	7.2
4-Bromofluorobenzene	0.424	0.394	0.386	0.433	0.405	0.498	0.423	9.6

* 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 CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1447 SAS No.: Q1447 SDG No.: Q1447

Instrument ID: MSVOA_Y Calibration Date/Time: 03/05/2025 11:39

Lab File ID: VY021406.D Init. Calib. Date(s): 03/04/2025 03/04/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 09:46 12:15

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.459	0.395		-13.94	20
Chloromethane	0.647	0.602	0.1	-6.95	20
Vinyl Chloride	0.707	0.693		-1.98	20
Bromomethane	0.511	0.454		-11.15	20
Chloroethane	0.467	0.460		-1.5	20
Trichlorofluoromethane	0.987	0.928		-5.98	20
1,1,2-Trichlorotrifluoroethane	0.563	0.488		-13.32	20
1,1-Dichloroethene	0.514	0.465		-9.53	20
Acetone	0.115	0.107		-6.96	20
Carbon Disulfide	1.610	1.471		-8.63	20
Methyl tert-butyl Ether	1.302	1.315		1	20
Methyl Acetate	0.256	0.275		7.42	20
Methylene Chloride	0.605	0.523		-13.55	20
trans-1,2-Dichloroethene	0.575	0.527		-8.35	20
1,1-Dichloroethane	1.056	0.976	0.1	-7.58	20
Cyclohexane	0.990	0.822		-16.97	20
2-Butanone	0.159	0.162		1.89	20
Carbon Tetrachloride	0.592	0.529		-10.64	20
cis-1,2-Dichloroethene	0.653	0.616		-5.67	20
Bromochloromethane	0.443	0.392		-11.51	20
Chloroform	1.096	1.005		-8.3	20
1,1,1-Trichloroethane	1.004	0.905		-9.86	20
Methylcyclohexane	0.631	0.545		-13.63	20
Benzene	1.515	1.400		-7.59	20
1,2-Dichloroethane	0.424	0.407		-4.01	20
Trichloroethene	0.383	0.353		-7.83	20
1,2-Dichloropropane	0.361	0.339		-6.09	20
Bromodichloromethane	0.533	0.504		-5.44	20
4-Methyl-2-Pentanone	0.228	0.249		9.21	20
Toluene	0.955	0.888		-7.02	20
t-1,3-Dichloropropene	0.470	0.463		-1.49	20
cis-1,3-Dichloropropene	0.557	0.541		-2.87	20
1,1,2-Trichloroethane	0.263	0.255		-3.04	20
2-Hexanone	0.151	0.169		11.92	20
Dibromochloromethane	0.360	0.353		-1.94	20
1,2-Dibromoethane	0.248	0.244		-1.61	20
Tetrachloroethene	0.407	0.367		-9.83	20
Chlorobenzene	1.181	1.084	0.3	-8.21	20

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

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1447 SAS No.: Q1447 SDG No.: Q1447

Instrument ID: MSVOA_Y Calibration Date/Time: 03/05/2025 11:39

Lab File ID: VY021406.D Init. Calib. Date(s): 03/04/2025 03/04/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 09:46 12:15

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	2.072	1.909		-7.87	20
m/p-Xylenes	0.787	0.728		-7.5	20
o-Xylene	0.725	0.686		-5.38	20
Styrene	1.203	1.164		-3.24	20
Bromoform	0.233	0.234	0.1	0.43	20
Isopropylbenzene	3.939	3.479		-11.68	20
1,1,2,2-Tetrachloroethane	0.695	0.670	0.3	-3.6	20
1,3-Dichlorobenzene	1.834	1.630		-11.12	20
1,4-Dichlorobenzene	1.794	1.611		-10.2	20
1,2-Dichlorobenzene	1.572	1.457		-7.32	20
1,2-Dibromo-3-Chloropropane	0.104	0.104		0	20
1,2,4-Trichlorobenzene	0.859	0.825		-3.96	20
1,2,3-Trichlorobenzene	0.722	0.707		-2.08	20
1,2-Dichloroethane-d4	0.528	0.563		6.63	20
Dibromofluoromethane	0.329	0.348		5.78	20
Toluene-d8	1.244	1.298		4.34	20
4-Bromofluorobenzene	0.423	0.449		6.15	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\VY030525\
Data File : VY021412.D
Acq On : 05 Mar 2025 14:58
Operator : SY/MD
Sample : Q1447-01
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC1

Quant Time: Mar 05 17:51:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

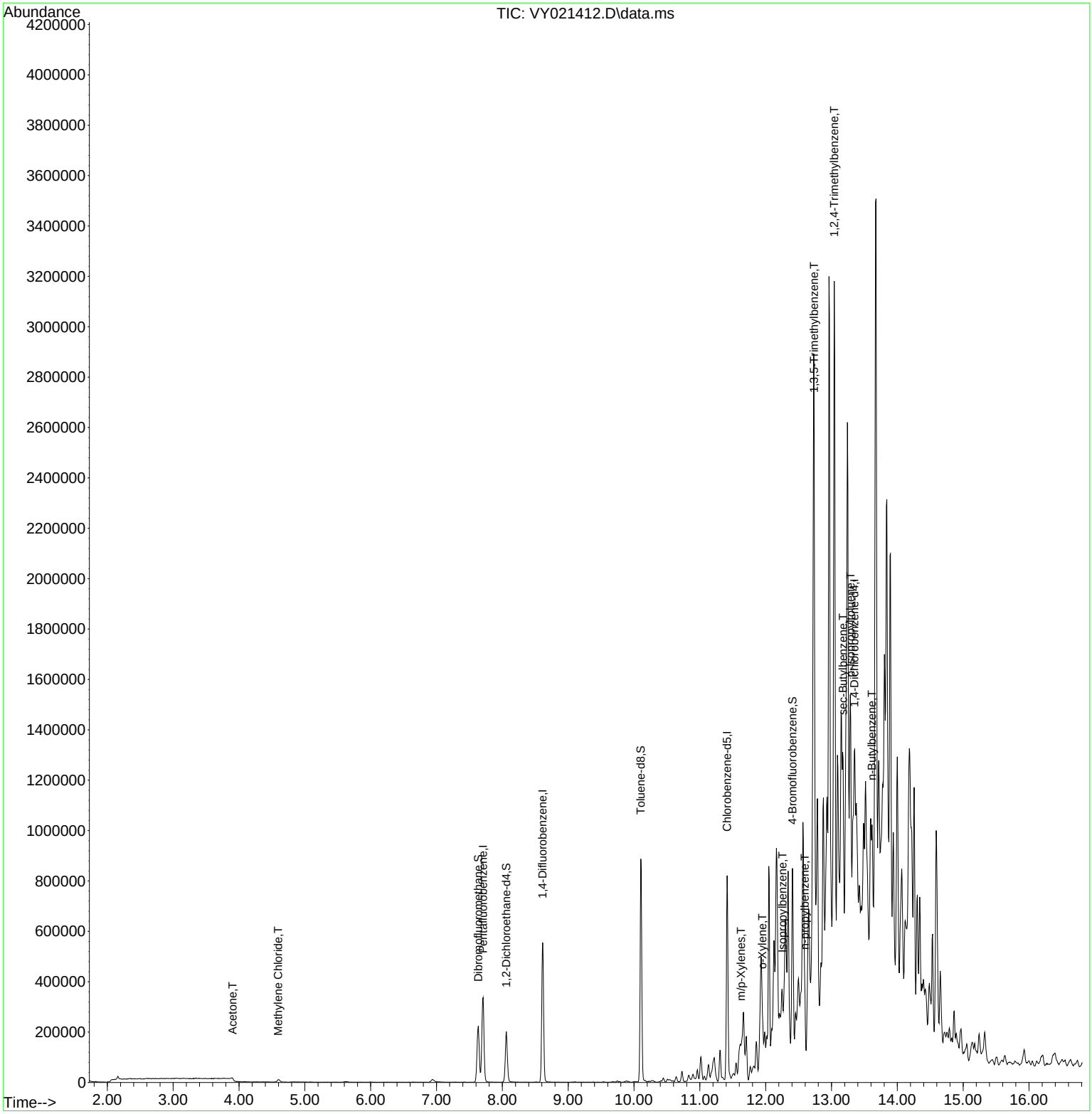
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	247210	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	461499	50.000	ug/l	-0.01
63) Chlorobenzene-d5	11.414	117	408888	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	164565	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	151598	58.020	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 116.040%			
35) Dibromofluoromethane	7.634	113	156879	51.716	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.440%			
50) Toluene-d8	10.103	98	546969	47.621	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 95.240%			
62) 4-Bromofluorobenzene	12.408	95	189629	48.536	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 97.080%			
Target Compounds						Qvalue
16) Acetone	3.903	43	6429	11.281	ug/l #	80
20) Methylene Chloride	4.592	84	7117	2.379	ug/l	89
68) m/p-Xylenes	11.627	106	23361	3.631	ug/l	100
69) o-Xylene	11.950	106	12601	2.125	ug/l	86
73) Isopropylbenzene	12.255	105	46671	3.600	ug/l	99
78) n-propylbenzene	12.597	91	138761	8.814	ug/l	98
80) 1,3,5-Trimethylbenzene	12.737	105	88951	8.444	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	1220706	116.706	ug/l	100
85) sec-Butylbenzene	13.176	105	194182	13.887	ug/l #	72
86) p-Isopropyltoluene	13.292	119	32897	2.856	ug/l	99
89) n-Butylbenzene	13.615	91	245543	23.083	ug/l #	74

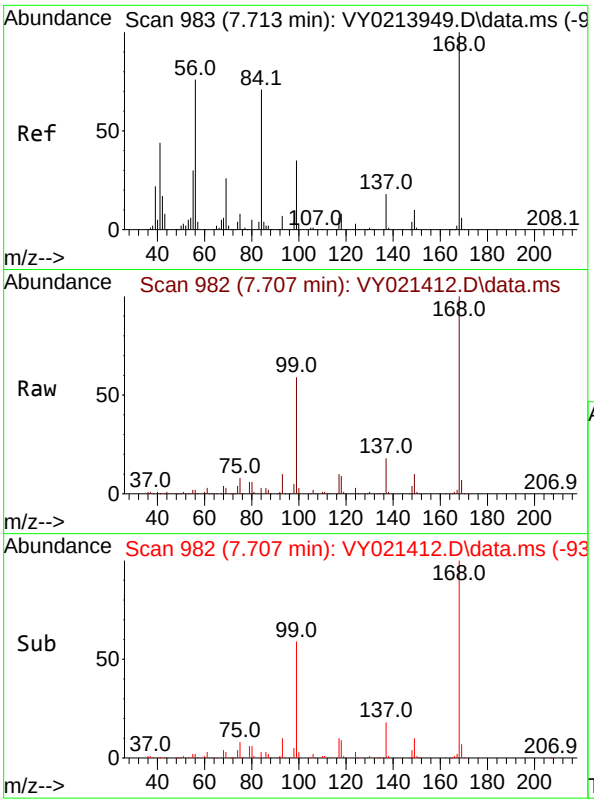
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
Data File : VY021412.D
Acq On : 05 Mar 2025 14:58
Operator : SY/MD
Sample : Q1447-01
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC1

Quant Time: Mar 05 17:51:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration



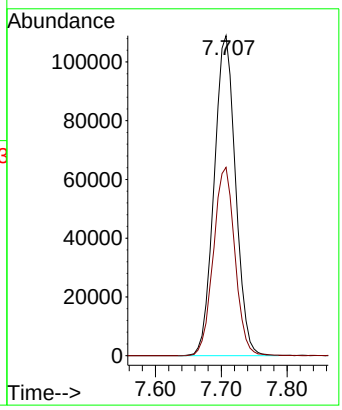


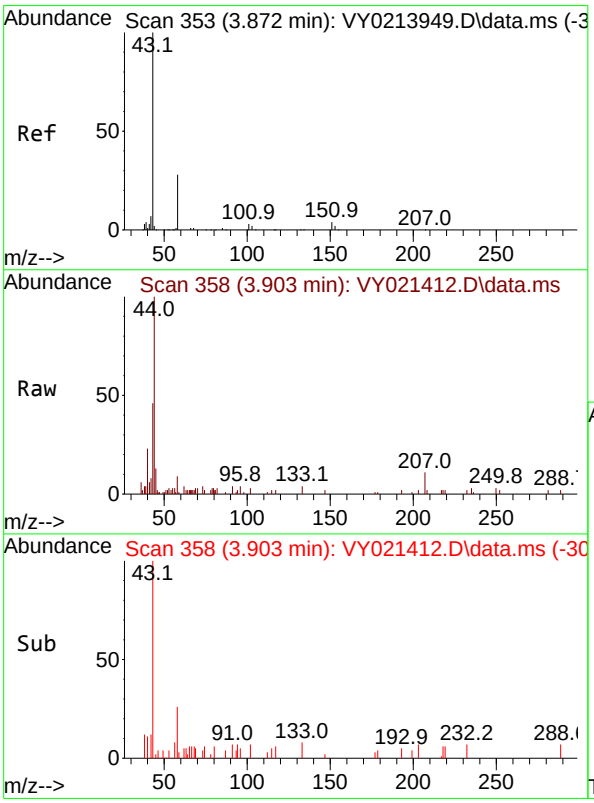
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021412.D
Acq: 05 Mar 2025 14:58

Instrument :
MSVOA_Y
ClientSampleId :
WC1

Tgt Ion:168 Resp: 247210

Ion	Ratio	Lower	Upper
168	100		
99	58.8	46.0	69.0

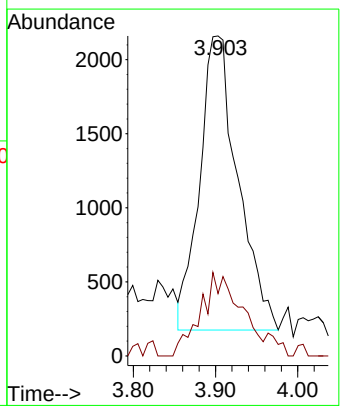


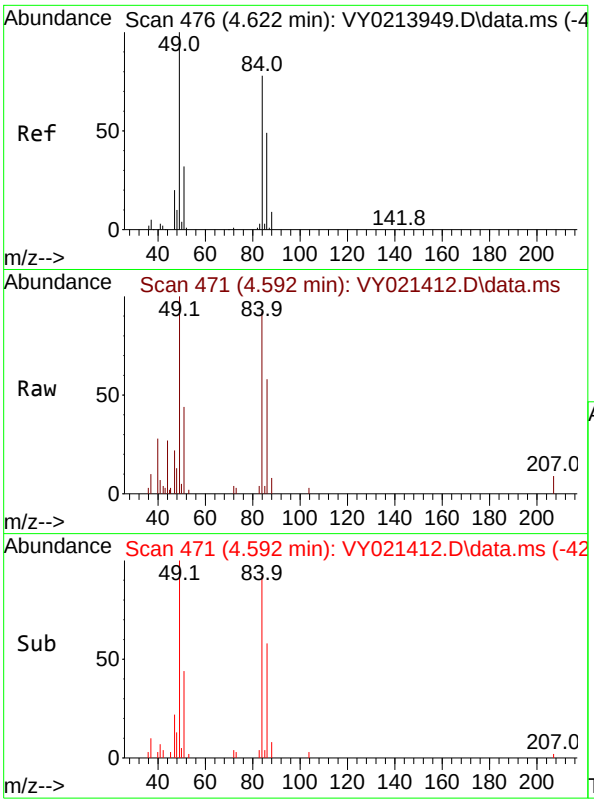


#16
Acetone
Concen: 11.281 ug/l
RT: 3.903 min Scan# 358
Delta R.T. 0.031 min
Lab File: VY021412.D
Acq: 05 Mar 2025 14:58

Tgt Ion: 43 Resp: 6429

Ion	Ratio	Lower	Upper
43	100		
58	17.3	22.1	33.1#



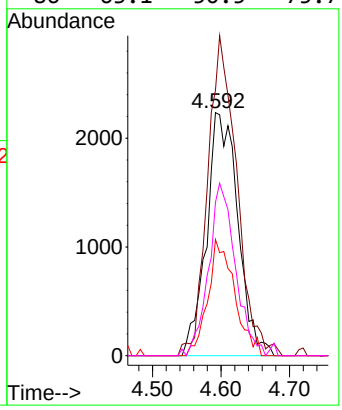


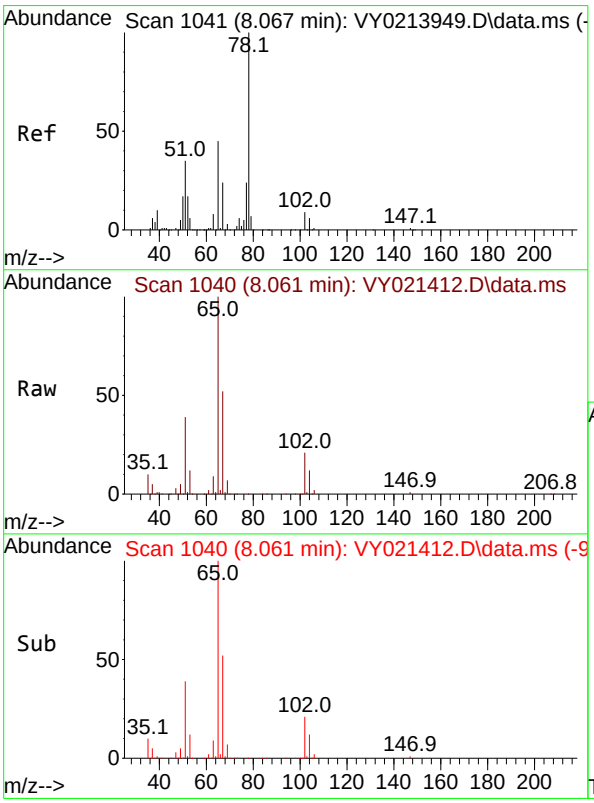
#20
Methylene Chloride
Concen: 2.379 ug/l
RT: 4.592 min Scan# 4
Delta R.T. -0.030 min
Lab File: VY021412.D
Acq: 05 Mar 2025 14:58

Instrument :
MSVOA_Y
ClientSampleId :
WC1

Tgt Ion: 84 Resp: 7117

Ion	Ratio	Lower	Upper
84	100		
49	109.2	102.0	153.0
51	47.8	33.0	49.6
86	63.1	50.5	75.7

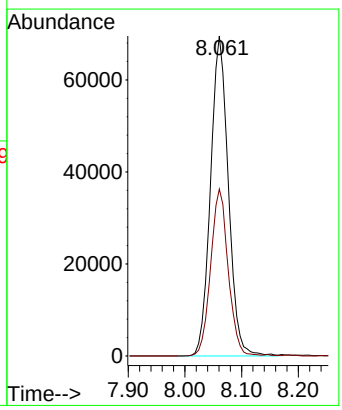


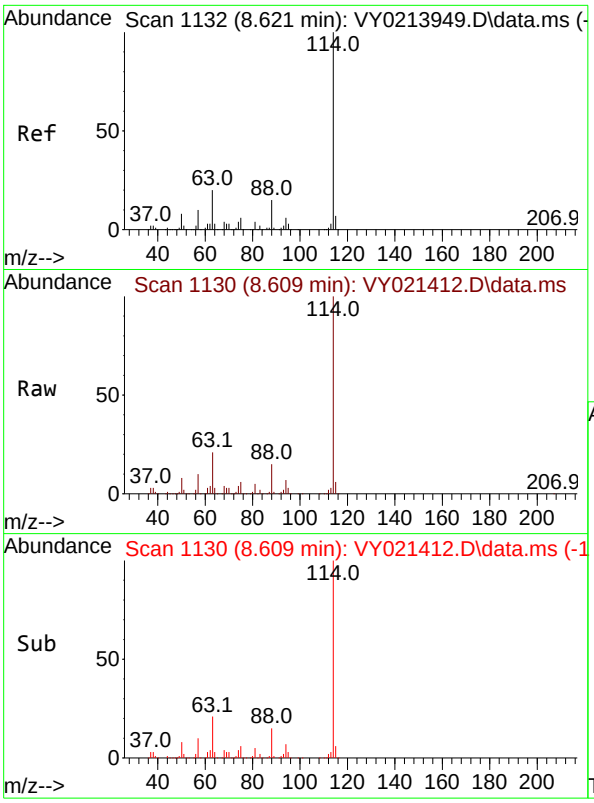


#33
1,2-Dichloroethane-d4
Concen: 58.020 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY021412.D
Acq: 05 Mar 2025 14:58

Tgt Ion: 65 Resp: 151598

Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	102.8



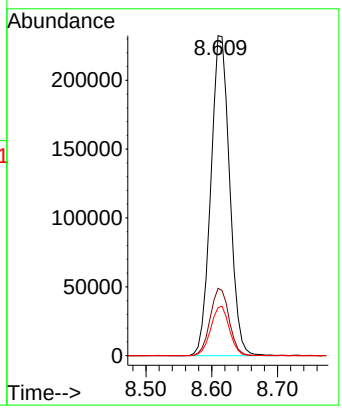


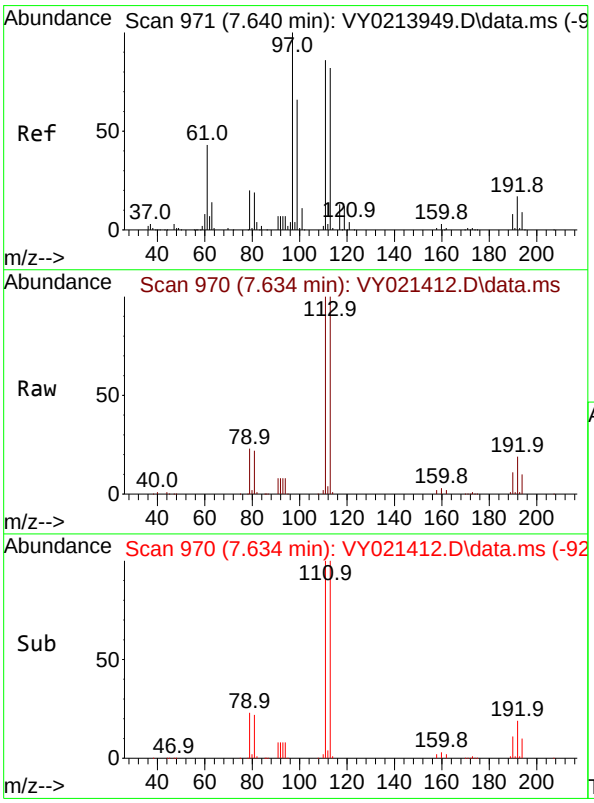
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 1
Delta R.T. -0.012 min
Lab File: VY021412.D
Acq: 05 Mar 2025 14:58

Instrument :
MSVOA_Y
ClientSampleId :
WC1

Tgt Ion:114 Resp: 461499

Ion	Ratio	Lower	Upper
114	100		
63	21.1	0.0	40.8
88	15.0	0.0	30.8

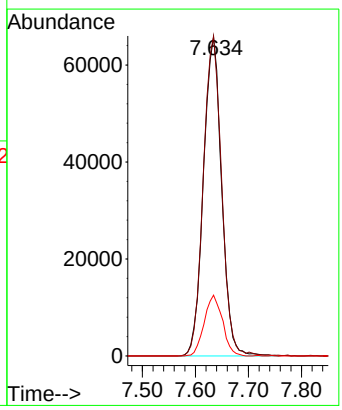


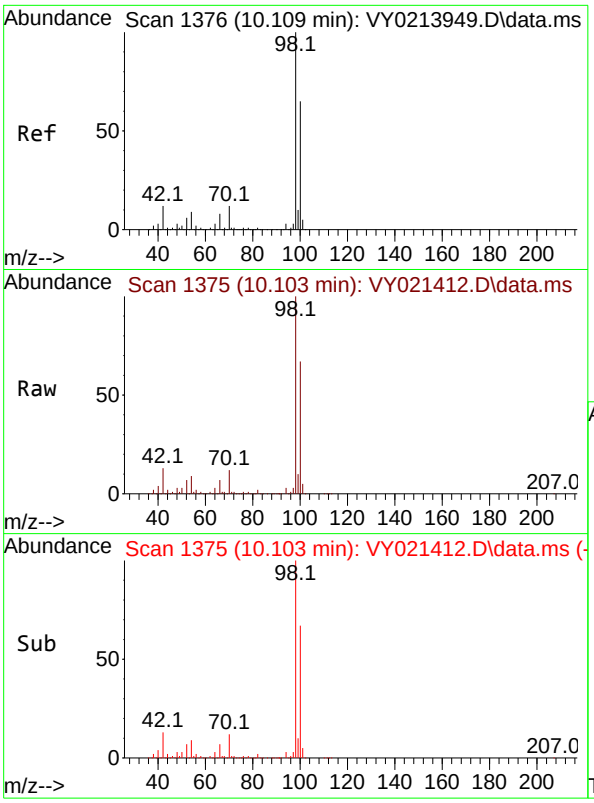


#35
Dibromofluoromethane
Concen: 51.716 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY021412.D
Acq: 05 Mar 2025 14:58

Tgt Ion:113 Resp: 156879

Ion	Ratio	Lower	Upper
113	100		
111	101.1	82.0	123.0
192	19.1	15.9	23.9



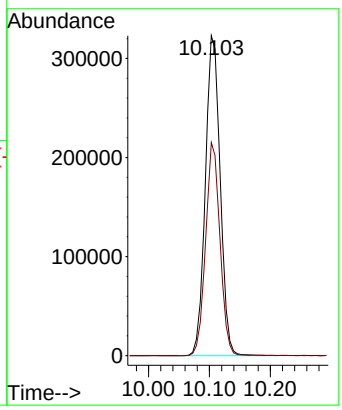


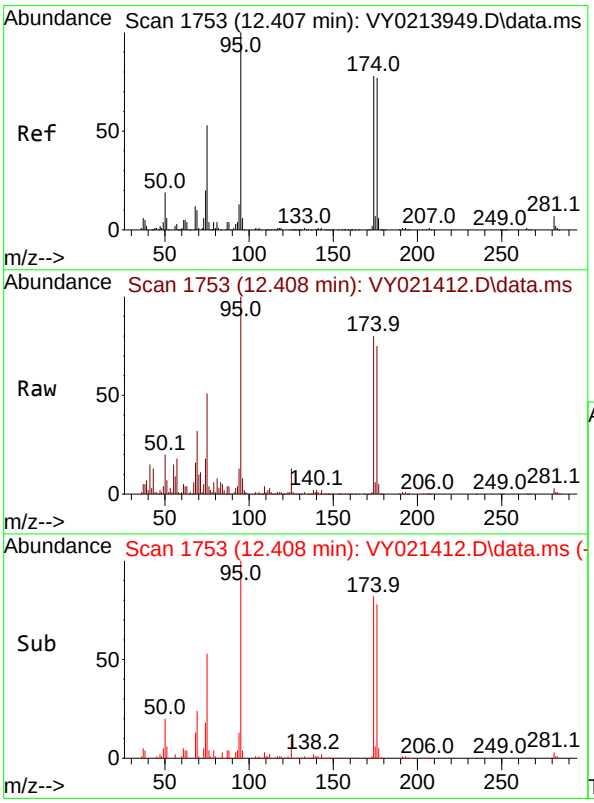
#50
Toluene-d8
Concen: 47.621 ug/l
RT: 10.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021412.D
Acq: 05 Mar 2025 14:58

Instrument :
MSVOA_Y
ClientSampleId :
WC1

Tgt Ion: 98 Resp: 546969

Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.1	78.1

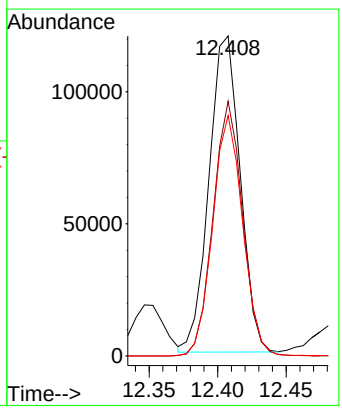


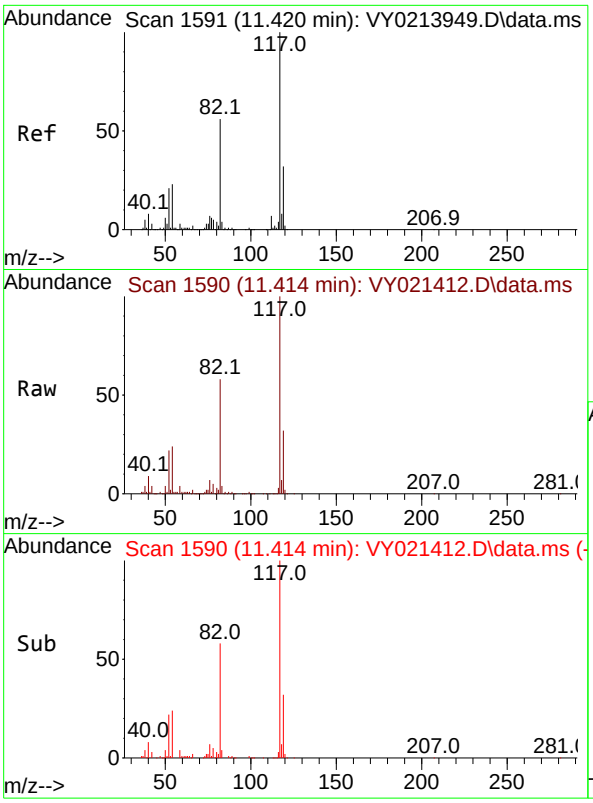


#62
4-Bromofluorobenzene
Concen: 48.536 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021412.D
Acq: 05 Mar 2025 14:58

Tgt Ion: 95 Resp: 189629

Ion	Ratio	Lower	Upper
95	100		
174	76.2	0.0	165.0
176	73.1	0.0	160.0



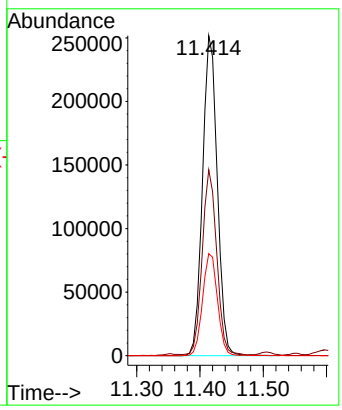


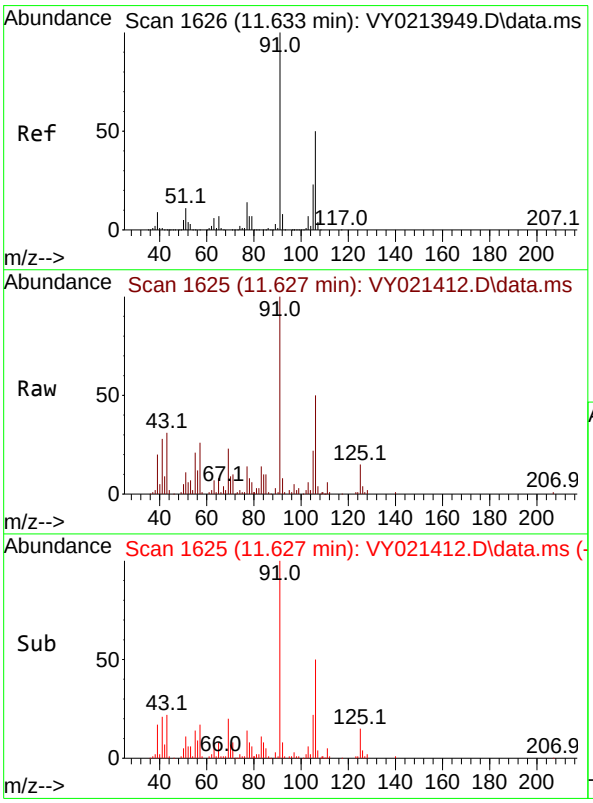
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021412.D
Acq: 05 Mar 2025 14:58

Instrument :
MSVOA_Y
ClientSampleId :
WC1

Tgt Ion:117 Resp: 408888

Ion	Ratio	Lower	Upper
117	100		
82	57.7	44.6	67.0
119	31.9	25.4	38.0

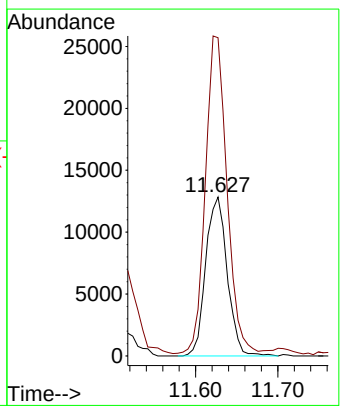


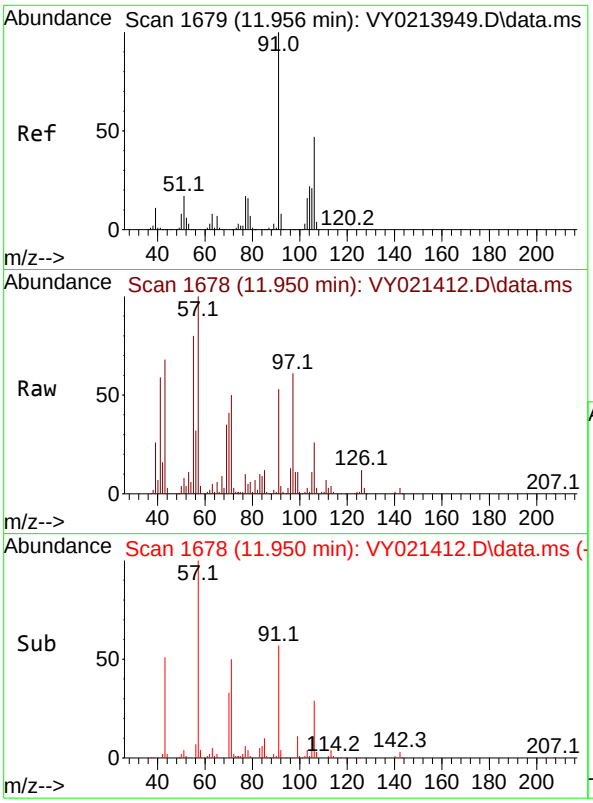


#68
m/p-Xylenes
Concen: 3.631 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. -0.006 min
Lab File: VY021412.D
Acq: 05 Mar 2025 14:58

Tgt Ion:106 Resp: 23361

Ion	Ratio	Lower	Upper
106	100		
91	202.1	161.7	242.5



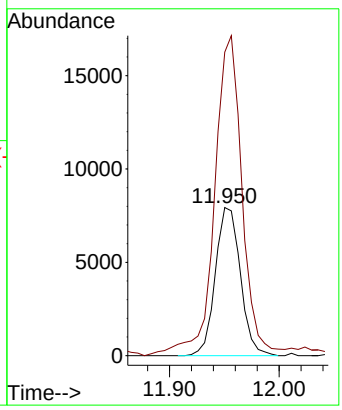


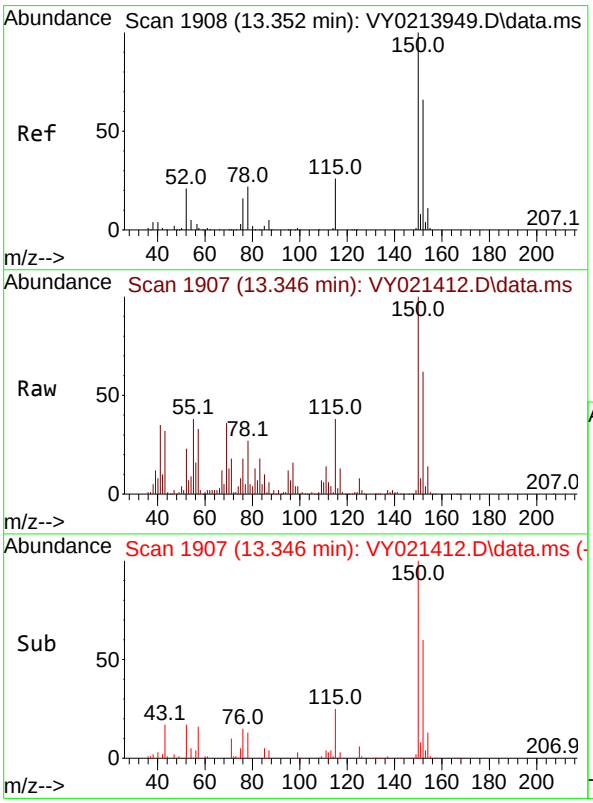
#69
o-Xylene
Concen: 2.125 ug/l
RT: 11.950 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021412.D
Acq: 05 Mar 2025 14:58

Instrument :
MSVOA_Y
ClientSampleId :
WC1

Tgt Ion:106 Resp: 12601

Ion	Ratio	Lower	Upper
106	100		
91	238.0	107.6	322.8

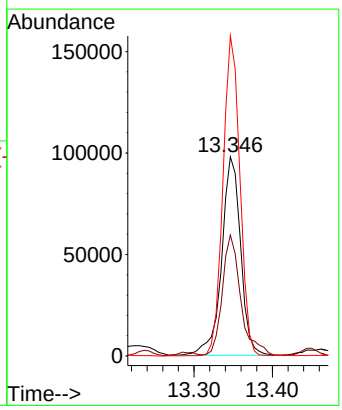


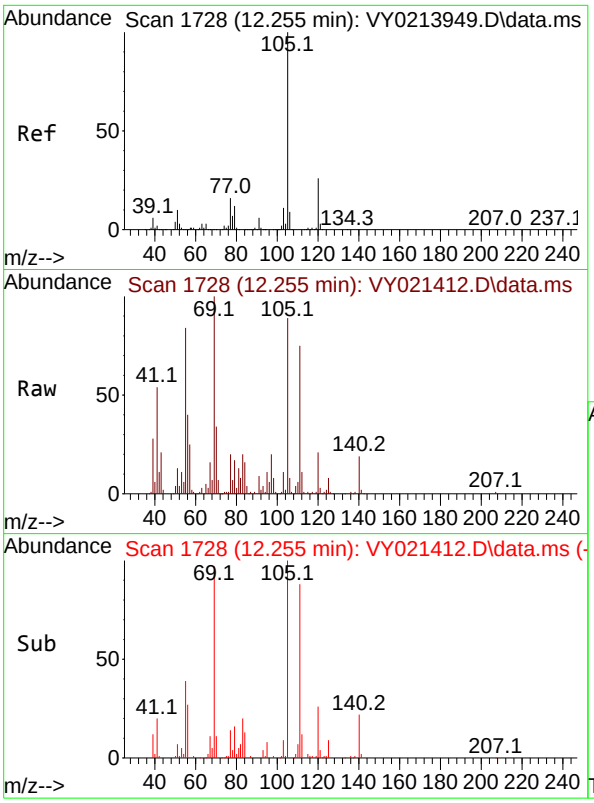


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VY021412.D
Acq: 05 Mar 2025 14:58

Tgt Ion:152 Resp: 164565

Ion	Ratio	Lower	Upper
152	100		
115	58.8	29.0	87.0
150	144.6	0.0	347.2



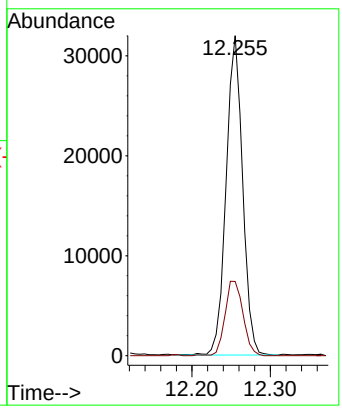


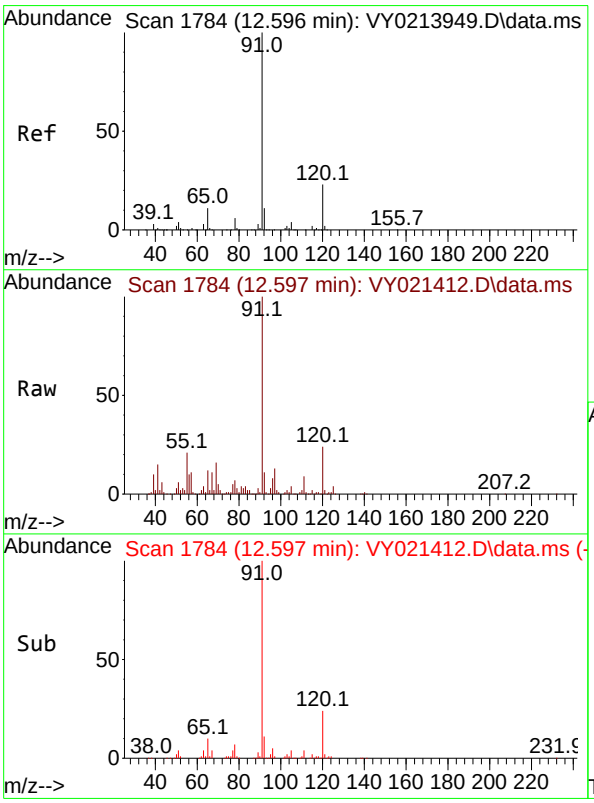
#73
Isopropylbenzene
Concen: 3.600 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021412.D
Acq: 05 Mar 2025 14:58

Instrument :
MSVOA_Y
ClientSampleId :
WC1

Tgt Ion:105 Resp: 46671

Ion	Ratio	Lower	Upper
105	100		
120	25.6	13.1	39.3

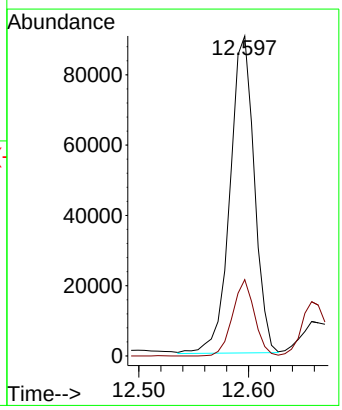


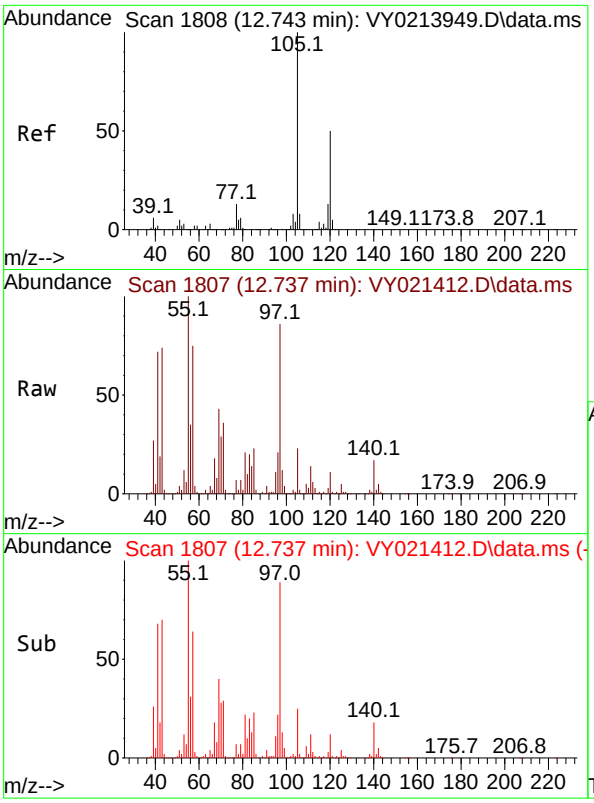


#78
n-propylbenzene
Concen: 8.814 ug/l
RT: 12.597 min Scan# 1784
Delta R.T. 0.000 min
Lab File: VY021412.D
Acq: 05 Mar 2025 14:58

Tgt Ion: 91 Resp: 138761

Ion	Ratio	Lower	Upper
91	100		
120	21.7	11.3	33.8



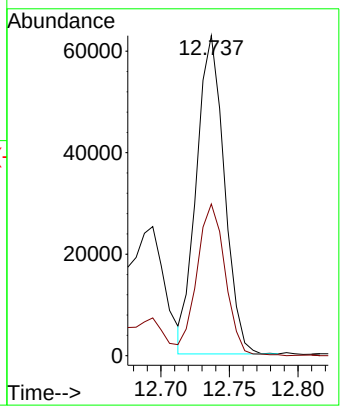


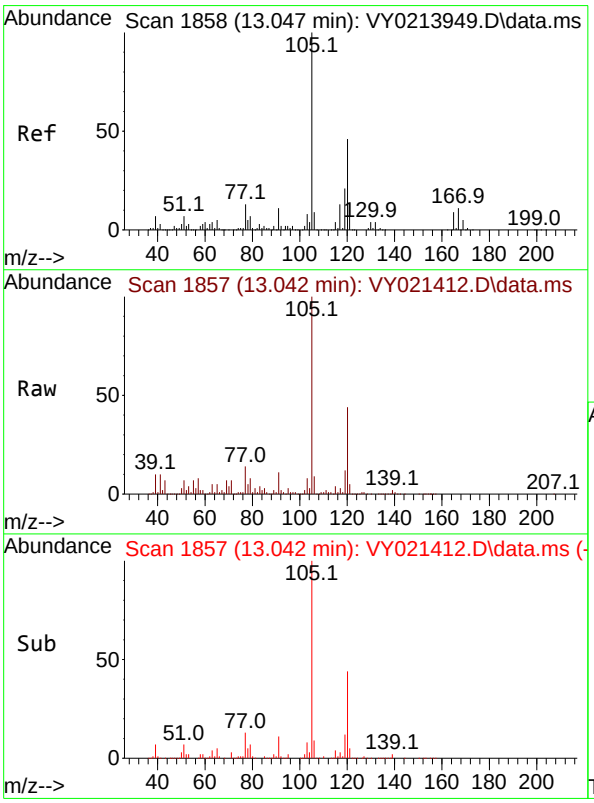
#80
1,3,5-Trimethylbenzene
Concen: 8.444 ug/l
RT: 12.737 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021412.D
Acq: 05 Mar 2025 14:58

Instrument :
MSVOA_Y
ClientSampleId :
WC1

Tgt Ion:105 Resp: 88951

Ion	Ratio	Lower	Upper
105	100		
120	48.3	24.6	73.6

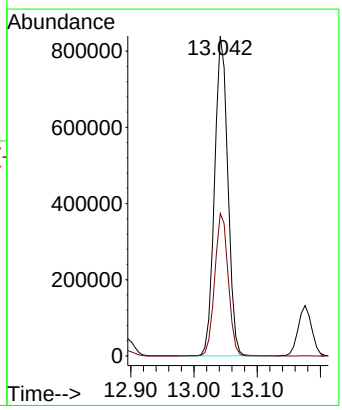


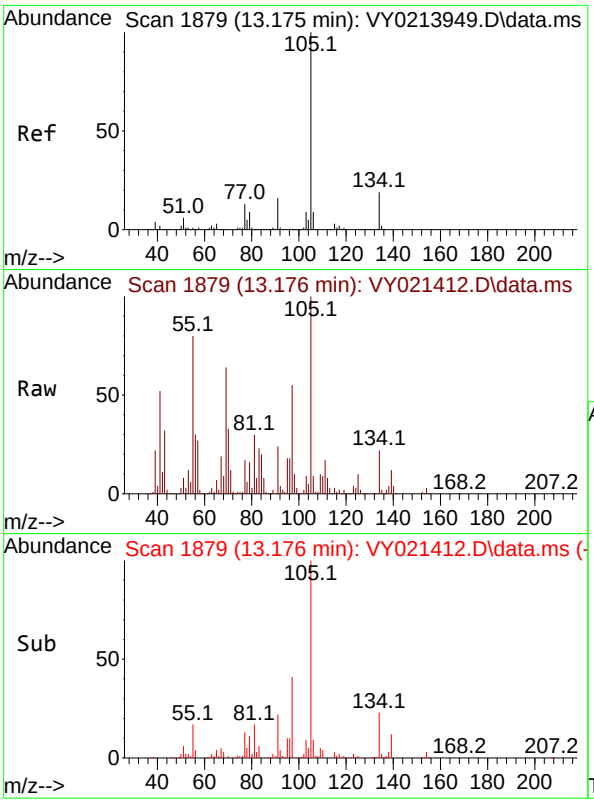


#84
1,2,4-Trimethylbenzene
Concen: 116.706 ug/l
RT: 13.042 min Scan# 1857
Delta R.T. -0.006 min
Lab File: VY021412.D
Acq: 05 Mar 2025 14:58

Tgt Ion:105 Resp: 1220706

Ion	Ratio	Lower	Upper
105	100		
120	45.1	22.7	68.1



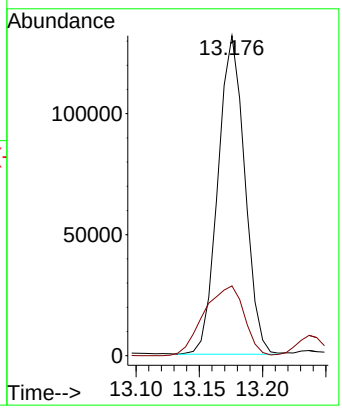


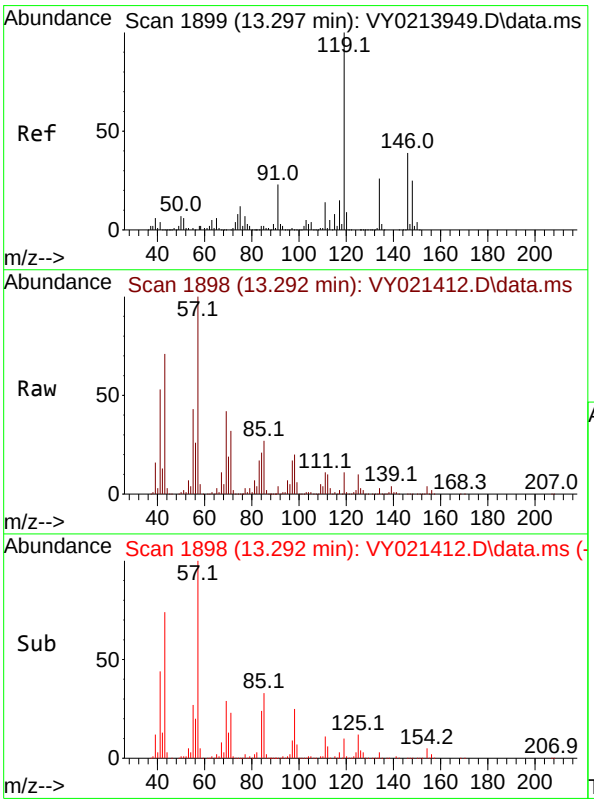
#85
sec-Butylbenzene
Concen: 13.887 ug/l
RT: 13.176 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021412.D
Acq: 05 Mar 2025 14:58

Instrument :
MSVOA_Y
ClientSampleId :
WC1

Tgt Ion:105 Resp: 194182

Ion	Ratio	Lower	Upper
105	100		
134	32.8	9.9	29.7#

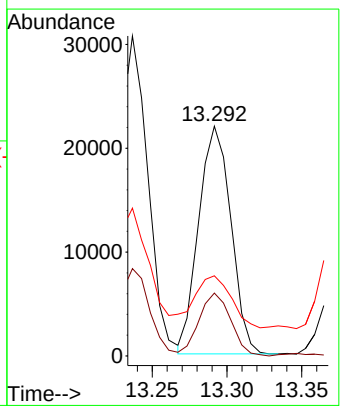


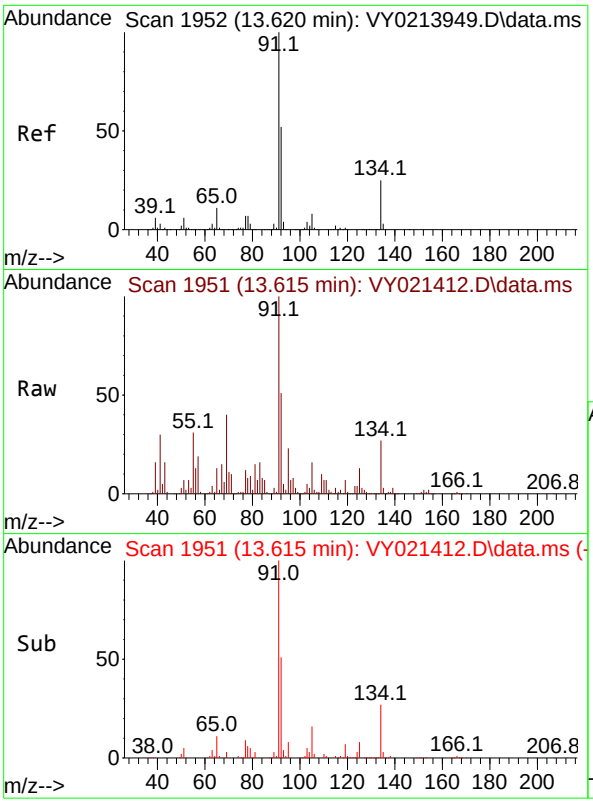


#86
p-Isopropyltoluene
Concen: 2.856 ug/l
RT: 13.292 min Scan# 1898
Delta R.T. -0.006 min
Lab File: VY021412.D
Acq: 05 Mar 2025 14:58

Tgt Ion:119 Resp: 32897

Ion	Ratio	Lower	Upper
119	100		
134	27.2	13.1	39.1
91	24.5	12.2	36.6



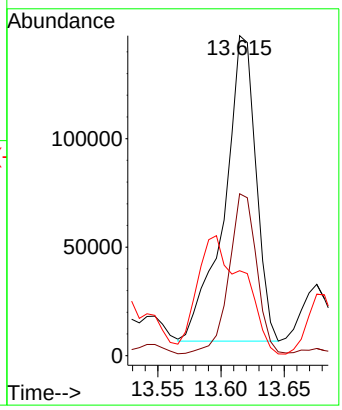


#89
n-Butylbenzene
Concen: 23.083 ug/l
RT: 13.615 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021412.D
Acq: 05 Mar 2025 14:58

Instrument :
MSVOA_Y
ClientSampleId :
WC1

Tgt Ion: 91 Resp: 245543

Ion	Ratio	Lower	Upper
91	100		
92	45.9	26.1	78.3
134	56.0	12.6	37.8#



Sample Results: **VY021412.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
Data File : VY021412.D
Acq On : 05 Mar 2025 14:58
Operator : SY/MD
Sample : Q1447-01
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC1

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\82Y030425S.M
Title : SW846 8260

Signal : TIC: VY021412.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.634	959	970	975	rBV	222579	521973	10.65%	0.792%
2	7.707	975	982	996	rVB	334635	771981	15.75%	1.171%
3	8.061	1027	1040	1053	rBV	201392	436680	8.91%	0.662%
4	8.609	1122	1130	1144	rBV	553163	1112840	22.71%	1.688%
5	10.103	1368	1375	1384	rBV	885882	1503005	30.67%	2.279%
6	10.731	1471	1478	1483	rBV	40273	63979	1.31%	0.097%
7	10.829	1485	1494	1500	rBV2	25233	57322	1.17%	0.087%
8	10.963	1511	1516	1520	rVV	40146	62573	1.28%	0.095%
9	11.018	1520	1525	1530	rVB	89329	155299	3.17%	0.235%
10	11.133	1537	1544	1548	rBV3	60453	114544	2.34%	0.174%
11	11.219	1548	1558	1567	rVB4	93693	304118	6.21%	0.461%
12	11.304	1567	1572	1577	rBV	123397	209316	4.27%	0.317%
13	11.414	1584	1590	1600	rBV	809781	1330460	27.15%	2.018%
14	11.548	1609	1612	1616	rBV	48286	67251	1.37%	0.102%
15	11.615	1616	1623	1624	rBV4	116884	241698	4.93%	0.367%
16	11.664	1627	1631	1635	rVV	184942	291595	5.95%	0.442%
17	11.706	1635	1638	1643	rVB2	173398	259041	5.29%	0.393%
18	11.767	1643	1648	1651	rBV2	52533	97460	1.99%	0.148%
19	11.816	1651	1656	1659	rBV4	25732	55429	1.13%	0.084%
20	11.859	1659	1663	1667	rVB2	116336	169323	3.45%	0.257%
21	11.932	1667	1675	1681	rBV5	451254	1139344	23.25%	1.728%
22	11.987	1681	1684	1686	rVB	61533	64635	1.32%	0.098%
23	12.048	1690	1694	1698	rVB	714106	923055	18.83%	1.400%
24	12.091	1698	1701	1702	rBV2	68121	73091	1.49%	0.111%
25	12.127	1702	1707	1709	rBV3	355739	536653	10.95%	0.814%
26	12.164	1709	1713	1719	rVB3	674728	1284272	26.20%	1.947%
27	12.249	1724	1727	1730	rBV2	103418	123984	2.53%	0.188%
28	12.298	1730	1735	1739	rBV5	363958	686248	14.00%	1.041%
29	12.340	1739	1742	1748	rVB	685108	1007529	20.56%	1.528%
30	12.408	1748	1753	1758	rBV2	695565	1103484	22.51%	1.673%
31	12.456	1758	1761	1763	rBV3	105489	152301	3.11%	0.231%
32	12.499	1763	1768	1771	rBV4	162832	279579	5.70%	0.424%
33	12.566	1775	1779	1787	rVB4	907162	1807953	36.89%	2.742%
34	12.651	1787	1793	1798	rBV6	563042	1397895	28.52%	2.120%
35	12.731	1799	1806	1811	rBV3	2468601	4610378	94.07%	6.991%
36	12.786	1811	1815	1820	rVB3	822702	1375462	28.06%	2.086%

Sample Results: **VY021412.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
Data File : VY021412.D
Acq On : 05 Mar 2025 14:58
Operator : SY/MD
Sample : Q1447-01
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC1

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\82Y030425S.M
Title : SW846 8260

37	12.840	1820	1824	1825	rBV3	171840	209006	4.26%	0.317%
38	12.877	1825	1830	1833	rBV3	671789	1005897	20.52%	1.525%
39	12.932	1833	1839	1841	rBV3	530155	944084	19.26%	1.432%
40	12.962	1841	1844	1851	rVB	2581921	3781280	77.15%	5.734%
41	13.042	1851	1857	1862	rBV	2563199	3999607	81.61%	6.065%
42	13.090	1862	1865	1870	rBV2	655766	1052811	21.48%	1.596%
43	13.145	1871	1874	1877	rBV3	675918	1047464	21.37%	1.588%
44	13.243	1882	1890	1894	rBV3	1949500	4032668	82.28%	6.115%
45	13.285	1894	1897	1901	rVB3	725608	1015468	20.72%	1.540%
46	13.353	1905	1908	1910	rVB2	263757	295482	6.03%	0.448%
47	13.487	1927	1930	1932	rBV3	305294	401606	8.19%	0.609%
48	13.517	1932	1935	1943	rVB3	626986	1335713	27.25%	2.025%
49	13.596	1944	1948	1950	rBV2	476478	766276	15.63%	1.162%
50	13.676	1955	1961	1965	rBV2	2809979	4901160	100.00%	7.432%
51	13.718	1965	1968	1971	rVB2	368289	464349	9.47%	0.704%
52	13.804	1979	1982	1984	rBV	529618	618813	12.63%	0.938%
53	13.840	1984	1988	1993	rVB5	1361409	2055895	41.95%	3.118%
54	13.895	1993	1997	2001	rVB	1440602	2141753	43.70%	3.248%
55	13.938	2001	2004	2009	rVB2	527445	748026	15.26%	1.134%
56	13.999	2009	2014	2019	rVB4	858294	1413393	28.84%	2.143%
57	14.066	2019	2025	2030	rVB6	437910	940791	19.20%	1.427%
58	14.121	2030	2034	2038	rBV6	232396	533236	10.88%	0.809%
59	14.182	2039	2044	2048	rBV3	701715	1544908	31.52%	2.343%
60	14.255	2053	2056	2060	rVB	822071	1101787	22.48%	1.671%
61	14.304	2060	2064	2067	rBV3	395724	558591	11.40%	0.847%
62	14.340	2067	2070	2074	rVB3	373799	461141	9.41%	0.699%
63	14.486	2090	2094	2098	rBV4	162743	326411	6.66%	0.495%
64	14.535	2098	2102	2106	rVB	388929	547251	11.17%	0.830%
65	14.590	2106	2111	2118	rBV2	799619	1535795	31.34%	2.329%
66	14.651	2118	2121	2128	rVB3	284519	486040	9.92%	0.737%
67	14.718	2128	2132	2135	rBV4	41472	83825	1.71%	0.127%
68	14.864	2152	2156	2159	rBV3	121627	168821	3.44%	0.256%
69	14.968	2168	2173	2178	rVB3	98946	197316	4.03%	0.299%
70	15.139	2196	2201	2204	rBV2	46040	94579	1.93%	0.143%
71	15.242	2214	2218	2223	rVB4	79142	127902	2.61%	0.194%
72	15.328	2228	2232	2243	rVB2	122806	267407	5.46%	0.405%
73	15.511	2257	2262	2267	rVB9	31460	65212	1.33%	0.099%
74	15.633	2279	2282	2288	rVB7	35503	65442	1.34%	0.099%
75	15.925	2327	2330	2336	rVB4	54163	93249	1.90%	0.141%
76	16.206	2369	2376	2382	rVB4	42029	123766	2.53%	0.188%

Sample Results: **VY021412.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
Data File : VY021412.D
Acq On : 05 Mar 2025 14:58
Operator : SY/MD
Sample : Q1447-01
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC1

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\82Y030425S.M
Title : SW846 8260

Sum of corrected areas: 65945971

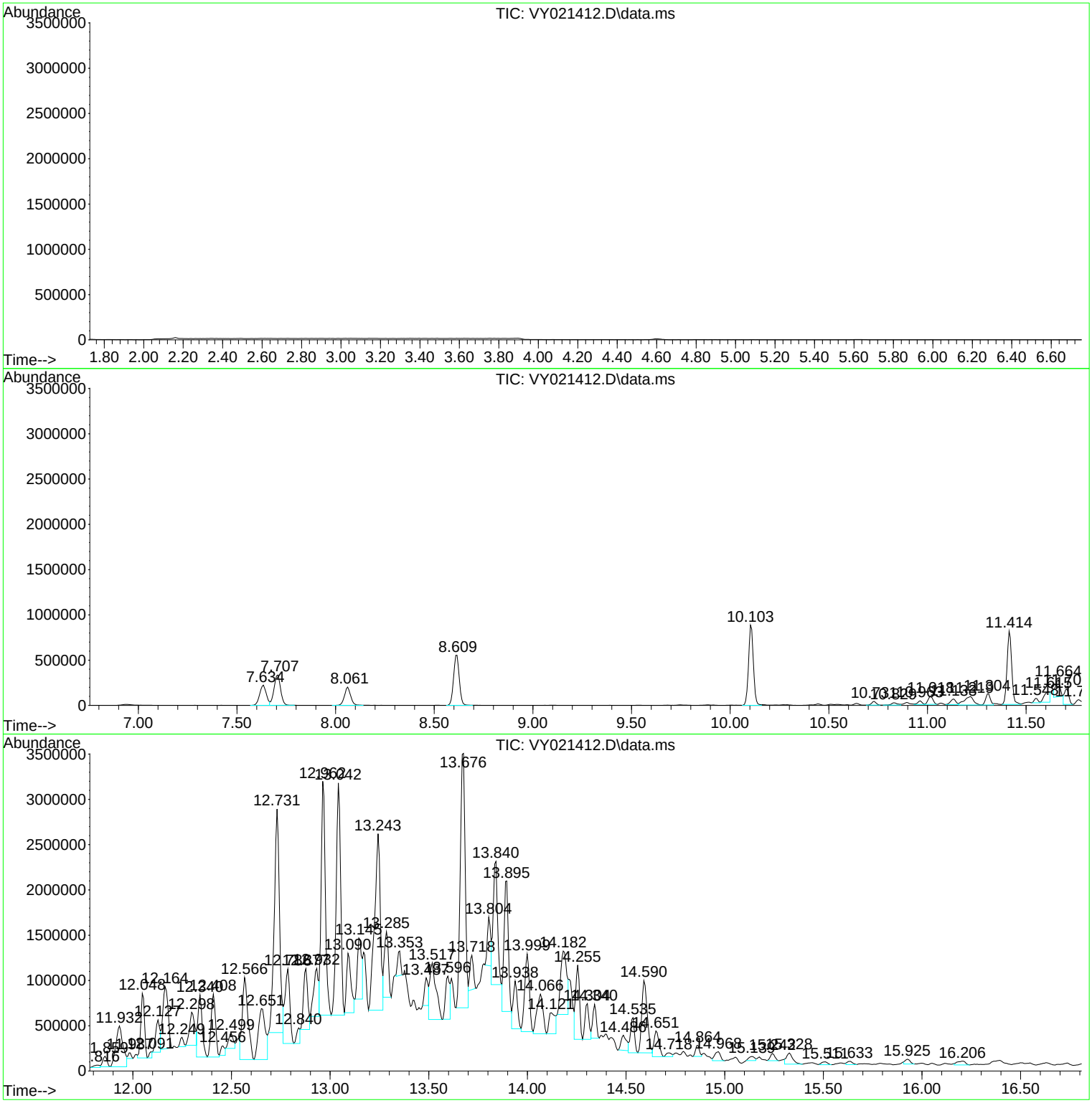
Sample Results: **VY021412.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
Data File : VY021412.D
Acq On : 05 Mar 2025 14:58
Operator : SY/MD
Sample : Q1447-01
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
Data File : VY021412.D
Acq On : 05 Mar 2025 14:58
Operator : SY/MD
Sample : Q1447-01
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC1

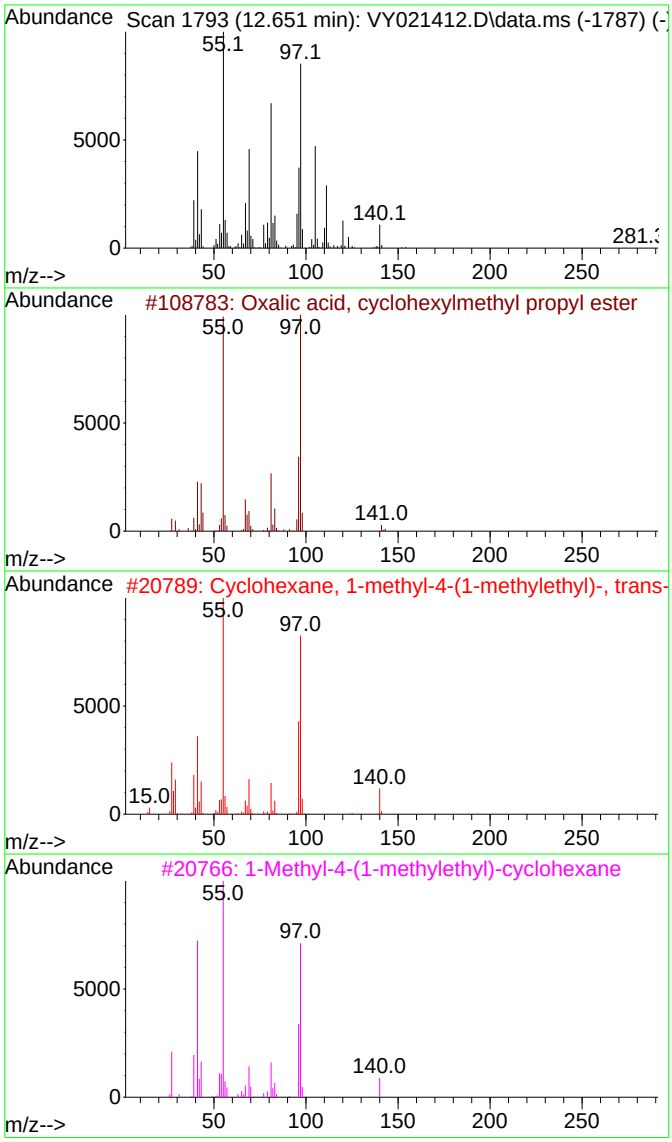
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

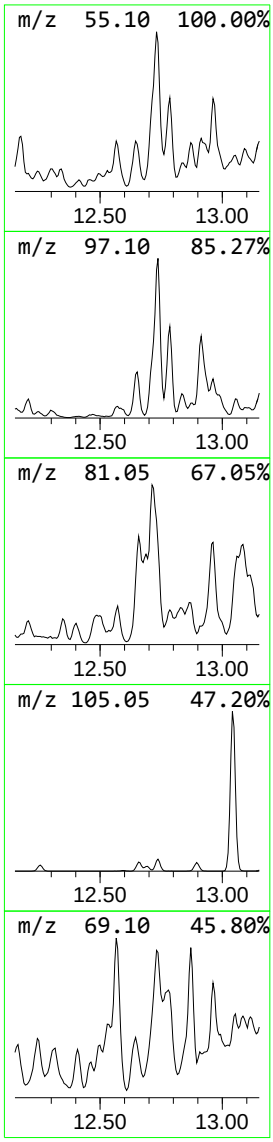
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Oxalic acid, cyclohexylmeth... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.651	236.54 ug/l	1397900	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Oxalic acid, cyclohexylmethyl pr...	228	C12H20O4	1010309-68-1	53
2	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	001678-82-6	52
3	1-Methyl-4-(1-methylethyl)-cyclo...	140	C10H20	000099-82-1	52
4	Cyclohexane, 1-methyl-4-(1-methy...	140	C10H20	006069-98-3	52
5	Oxalic acid, butyl cyclohexylmet...	242	C13H22O4	1000309-68-2	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
Data File : VY021412.D
Acq On : 05 Mar 2025 14:58
Operator : SY/MD
Sample : Q1447-01
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

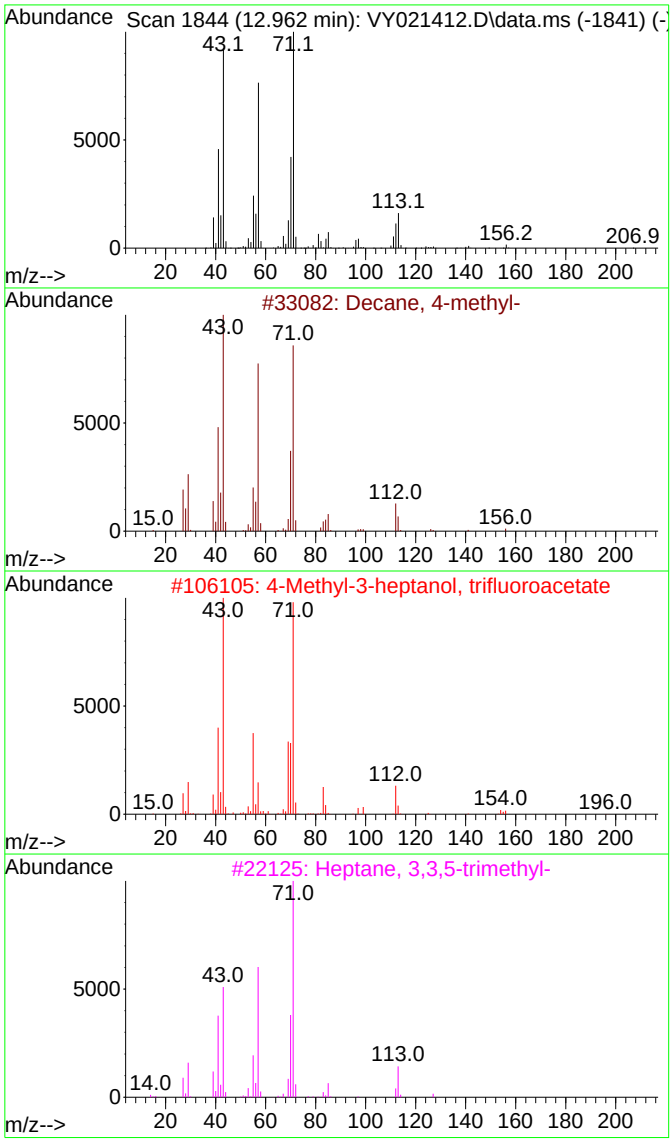
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

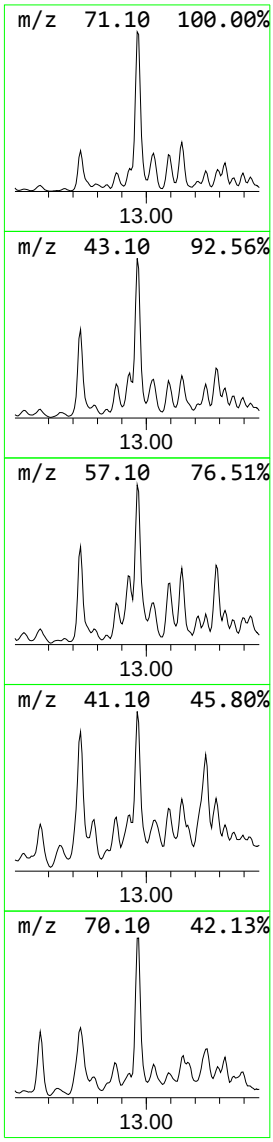
****

Peak Number 2 Decane, 4-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.962	639.85 ug/l	3781280	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Decane, 4-methyl-	156	C11H24	002847-72-5	87
2	4-Methyl-3-heptanol, trifluoroac...	226	C10H17F3O2	1000365-51-8	72
3	Heptane, 3,3,5-trimethyl-	142	C10H22	007154-80-5	72
4	Octane, 3,3-dimethyl-	142	C10H22	004110-44-5	64
5	Octane, 3-ethyl-	142	C10H22	005881-17-4	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
Data File : VY021412.D
Acq On : 05 Mar 2025 14:58
Operator : SY/MD
Sample : Q1447-01
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

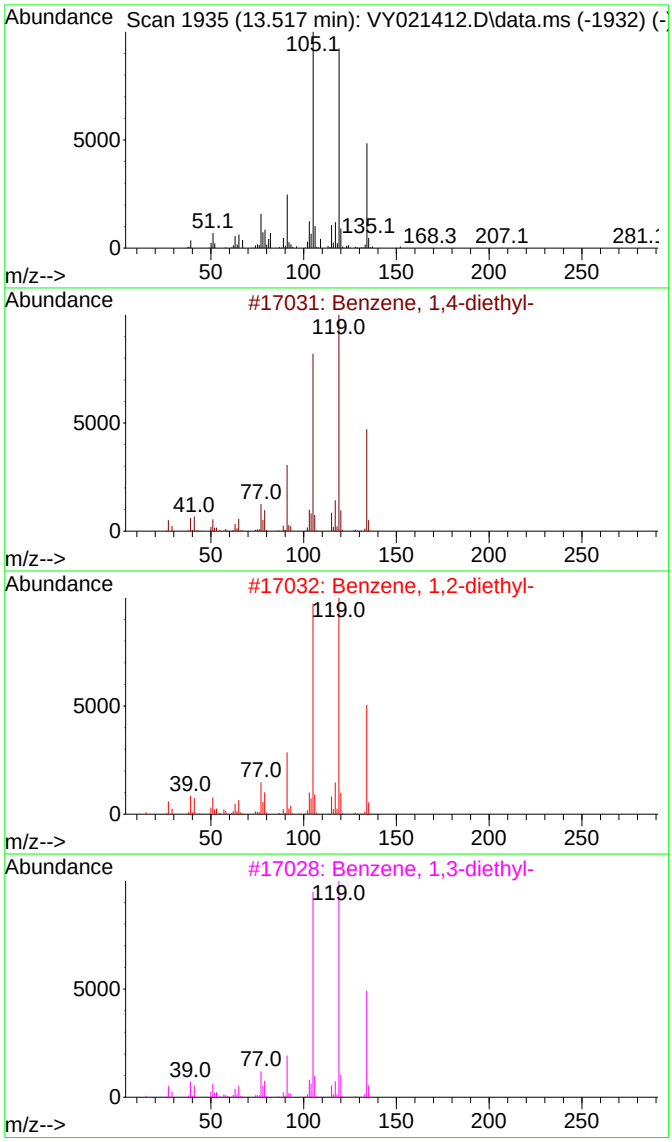
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

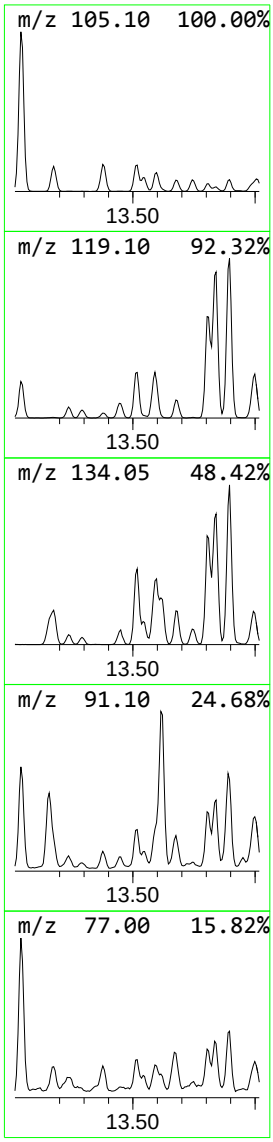
****

Peak Number 3 Benzene, 1,4-diethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.517	226.02 ug/l	1335710	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	97
2	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
3	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	94
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	90
5	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
Data File : VY021412.D
Acq On : 05 Mar 2025 14:58
Operator : SY/MD
Sample : Q1447-01
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC1

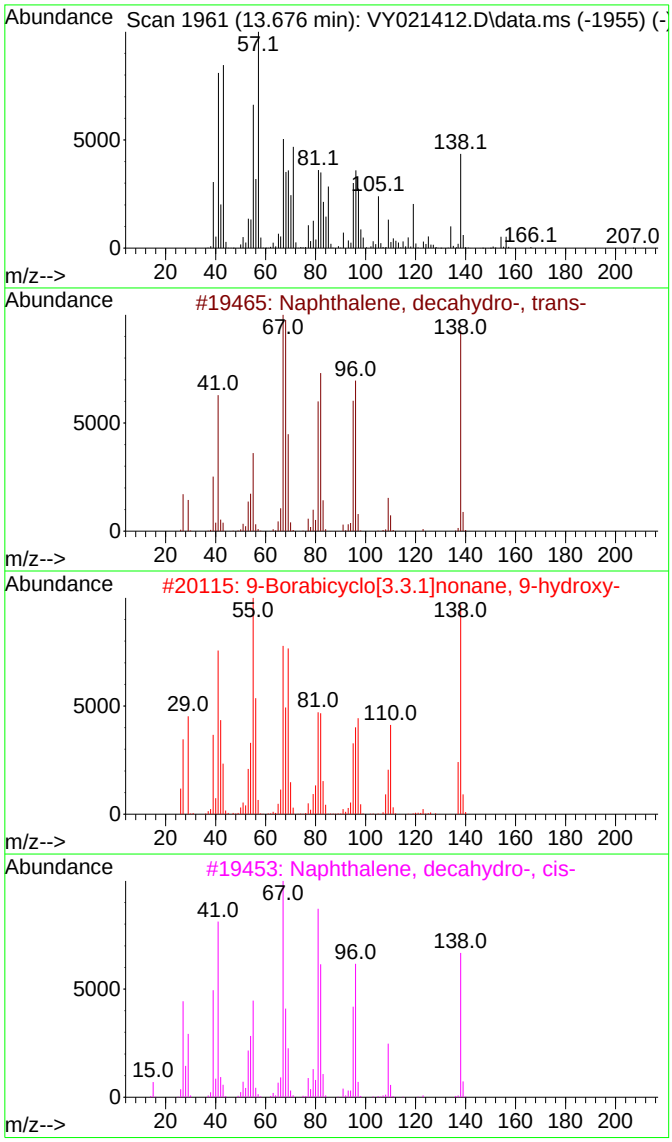
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

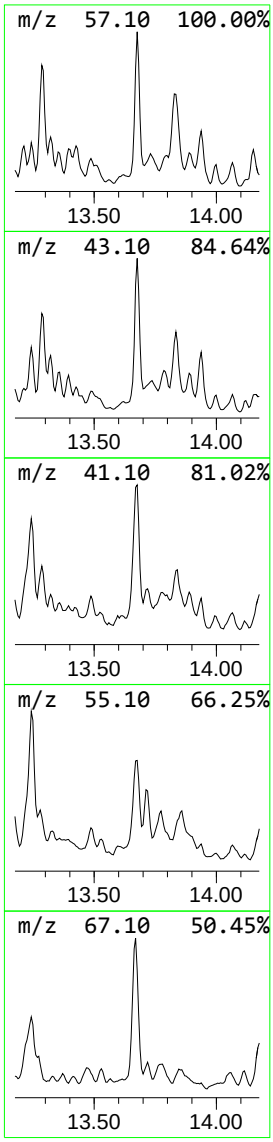
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Naphthalene, decahydro-, tr... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.676	829.35 ug/l	4901160	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, decahydro-, trans-	138	C10H18	000493-02-7	86
2	9-Borabicyclo[3.3.1]nonane, 9-hy...	138	C8H15BO	063366-65-4	50
3	Naphthalene, decahydro-, cis-	138	C10H18	000493-01-6	46
4	Cyclodecene	138	C10H18	003618-12-0	41
5	Naphthalene, decahydro-	138	C10H18	000091-17-8	41





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
Data File : VY021412.D
Acq On : 05 Mar 2025 14:58
Operator : SY/MD
Sample : Q1447-01
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

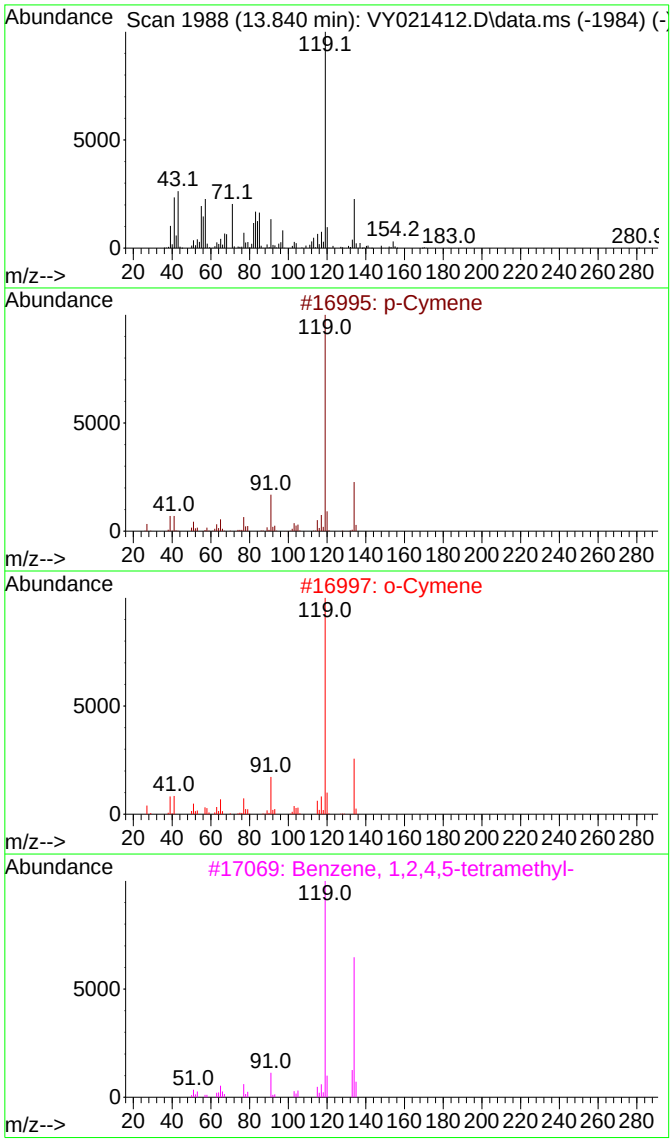
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

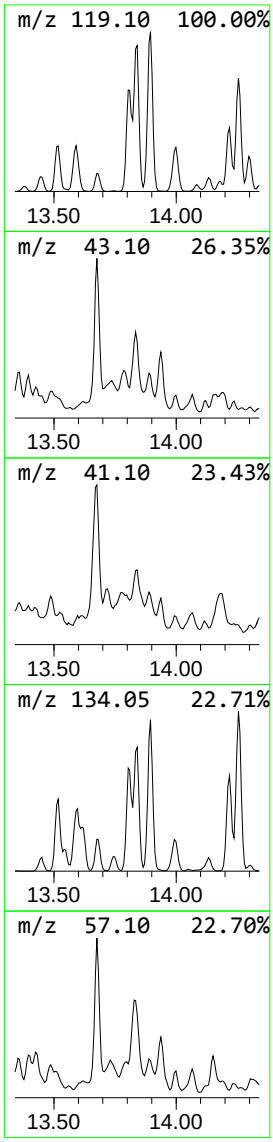
****

Peak Number 5 p-Cymene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.840	347.89 ug/l	2055900	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	p-Cymene	134	C10H14	000099-87-6	93
2	o-Cymene	134	C10H14	000527-84-4	93
3	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	93
4	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	86
5	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	86





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
Data File : VY021412.D
Acq On : 05 Mar 2025 14:58
Operator : SY/MD
Sample : Q1447-01
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC1

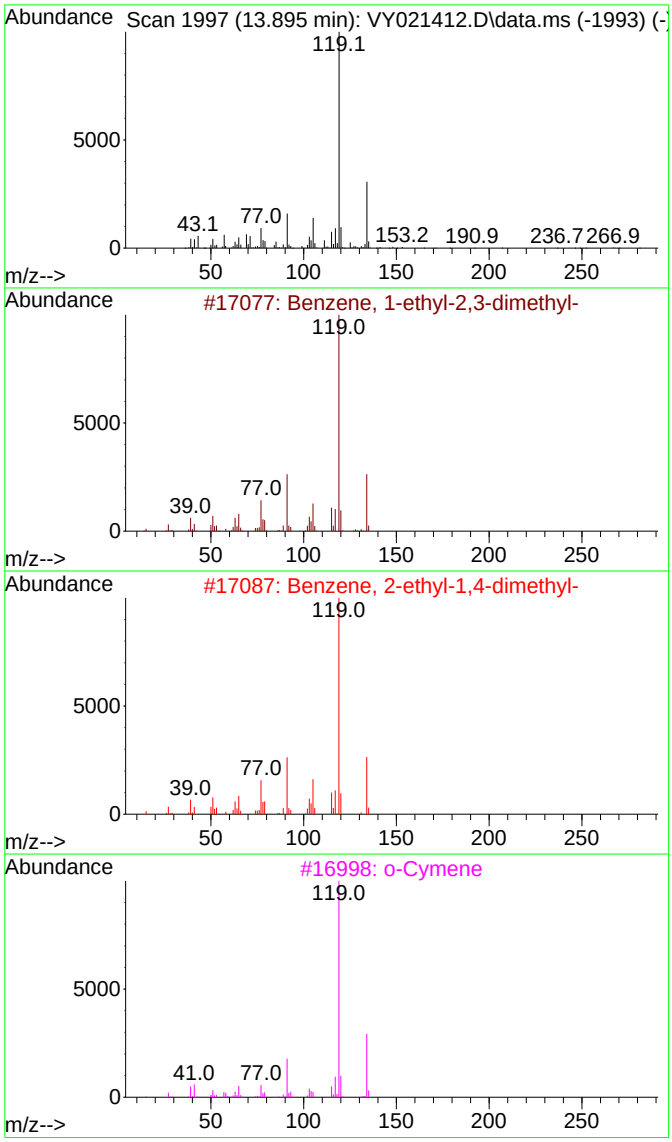
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

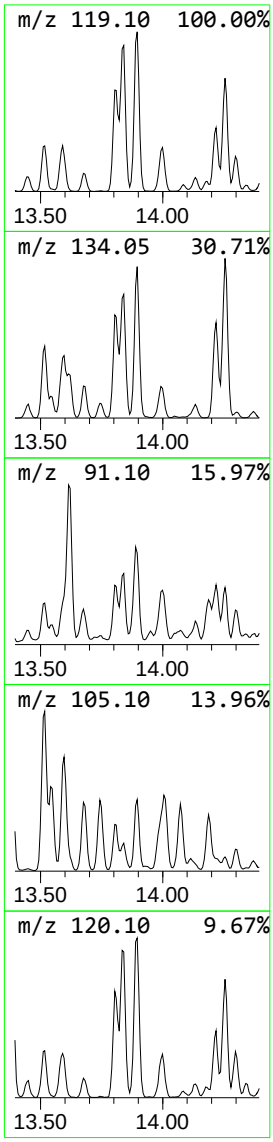
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.895	362.42 ug/l	2141750	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	96
2	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	96
3	o-Cymene	134	C10H14	000527-84-4	95
4	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
5	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
Data File : VY021412.D
Acq On : 05 Mar 2025 14:58
Operator : SY/MD
Sample : Q1447-01
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC1

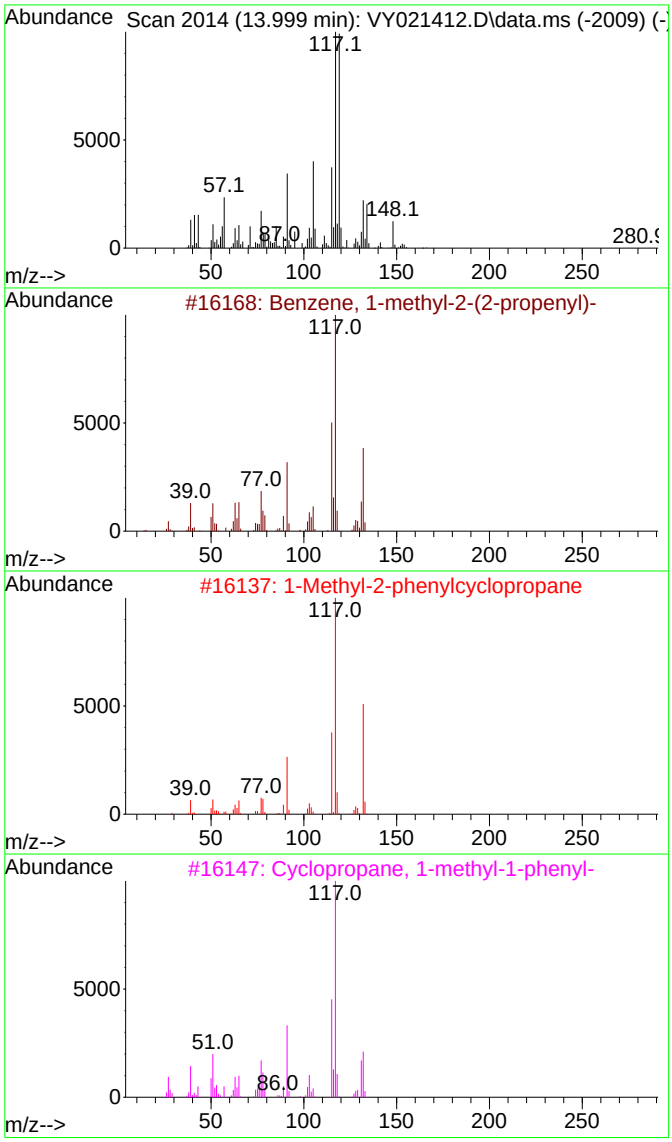
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

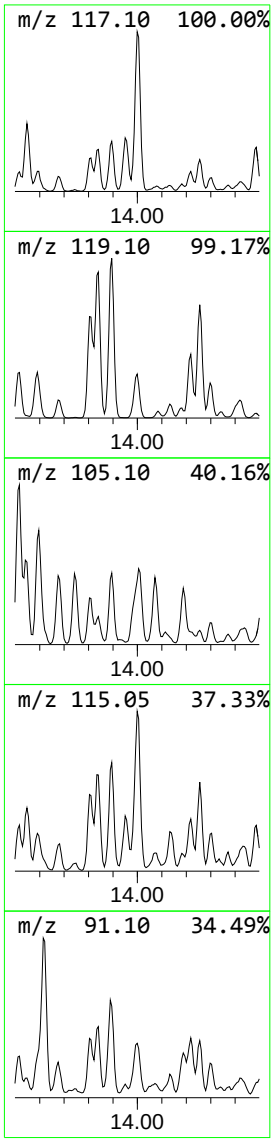
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 7 Benzene, 1-methyl-2-(2-prop... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.999	239.17 ug/l	1413390	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	70
2	1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	52
3	Cyclopropane, 1-methyl-1-phenyl-	132	C10H12	002214-14-4	50
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	50
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
Data File : VY021412.D
Acq On : 05 Mar 2025 14:58
Operator : SY/MD
Sample : Q1447-01
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

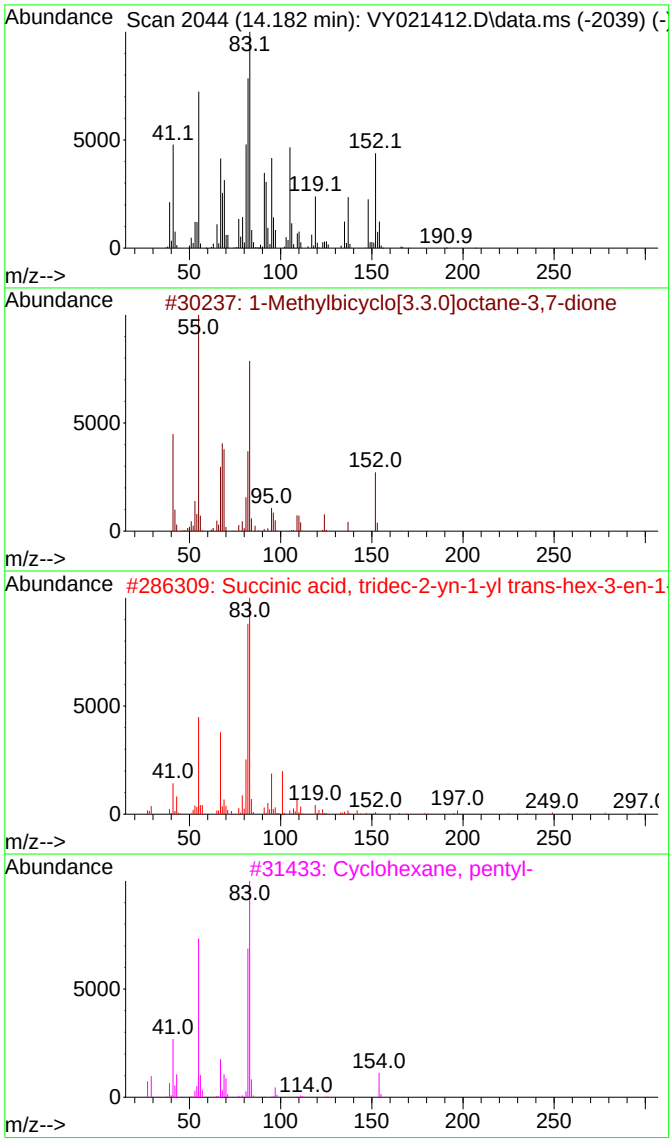
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

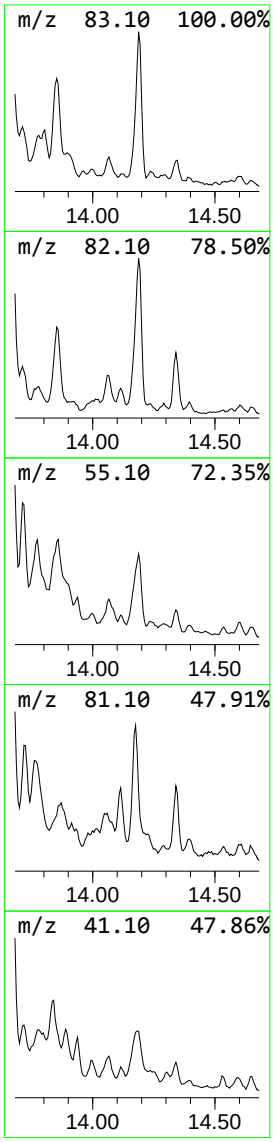
****

Peak Number 8 unknown14.182 Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.182	261.42 ug/l	1544910	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Methylbicyclo[3.3.0]octane-3,7...	152	C9H12O2	021170-08-1	43
2	Succinic acid, tridec-2-yn-1-yl ...	378	C23H38O4	1000391-12-6	43
3	Cyclohexane, pentyl-	154	C11H22	004292-92-6	38
4	Cyclohexane, 1,1'-(1,4-butanediy...	222	C16H30	006165-44-2	38
5	Cyclohexane, undecyl-	238	C17H34	054105-66-7	35





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
Data File : VY021412.D
Acq On : 05 Mar 2025 14:58
Operator : SY/MD
Sample : Q1447-01
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

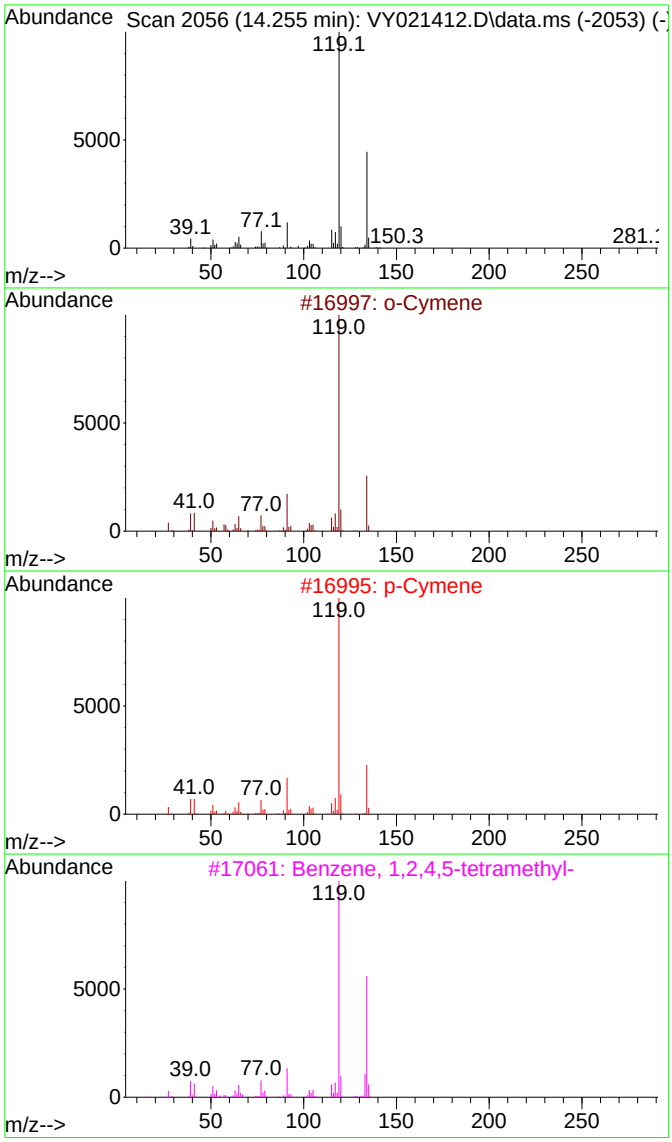
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

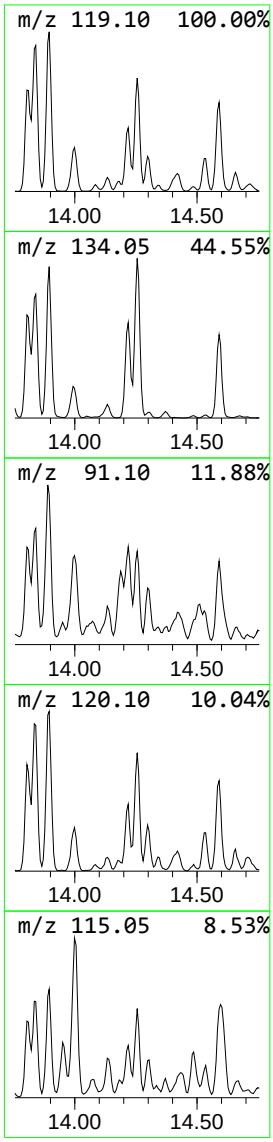
****

Peak Number 9 o-Cymene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.255	186.44 ug/l	1101790	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	95
2	p-Cymene	134	C10H14	000099-87-6	94
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	91
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
Data File : VY021412.D
Acq On : 05 Mar 2025 14:58
Operator : SY/MD
Sample : Q1447-01
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC1

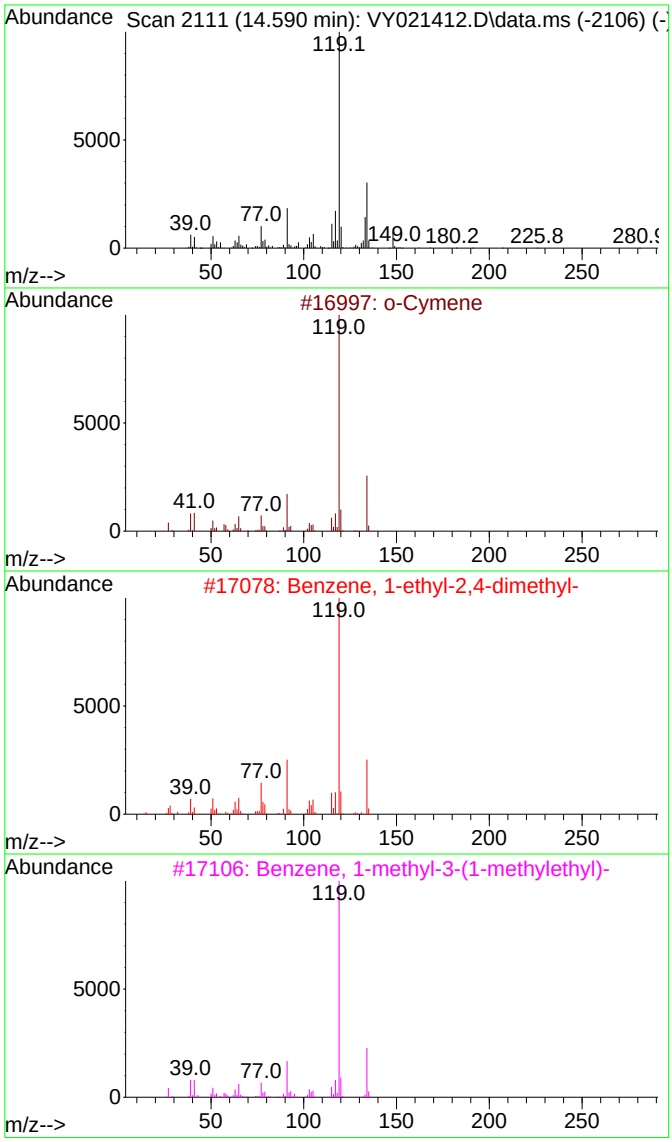
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

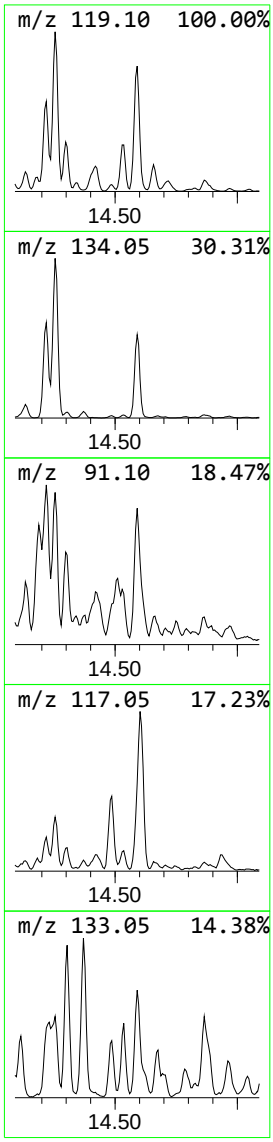
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Benzene, 1-ethyl-2,4-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.590	259.88 ug/l	1535800	1,4-Dichlorobenzene-d4	13.346

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	o-Cymene	134	C10H14	000527-84-4	93
2	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	87
4	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	87
5	p-Cymene	134	C10H14	000099-87-6	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
Data File : VY021412.D
Acq On : 05 Mar 2025 14:58
Operator : SY/MD
Sample : Q1447-01
Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/B
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
WC1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.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
Oxalic acid, cy...	12.651	236.5	ug/l	1397900	4	13.346	295482	50.0
Decane, 4-methyl-	12.962	639.9	ug/l	3781280	4	13.346	295482	50.0
Benzene, 1,4-di...	13.517	226.0	ug/l	1335710	4	13.346	295482	50.0
Naphthalene, de...	13.676	829.4	ug/l	4901160	4	13.346	295482	50.0
p-Cymene	13.840	347.9	ug/l	2055900	4	13.346	295482	50.0
Benzene, 1-ethy...	13.895	362.4	ug/l	2141750	4	13.346	295482	50.0
Benzene, 1-meth...	13.999	239.2	ug/l	1413390	4	13.346	295482	50.0
unknown14.182	14.182	261.4	ug/l	1544910	4	13.346	295482	50.0
o-Cymene	14.255	186.4	ug/l	1101790	4	13.346	295482	50.0
Benzene, 1-ethy...	14.590	259.9	ug/l	1535800	4	13.346	295482	50.0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
Data File : VY021407.D
Acq On : 05 Mar 2025 12:02
Operator : SY/MD
Sample : VY0305SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0305SBL01

Quant Time: Mar 06 02:54:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

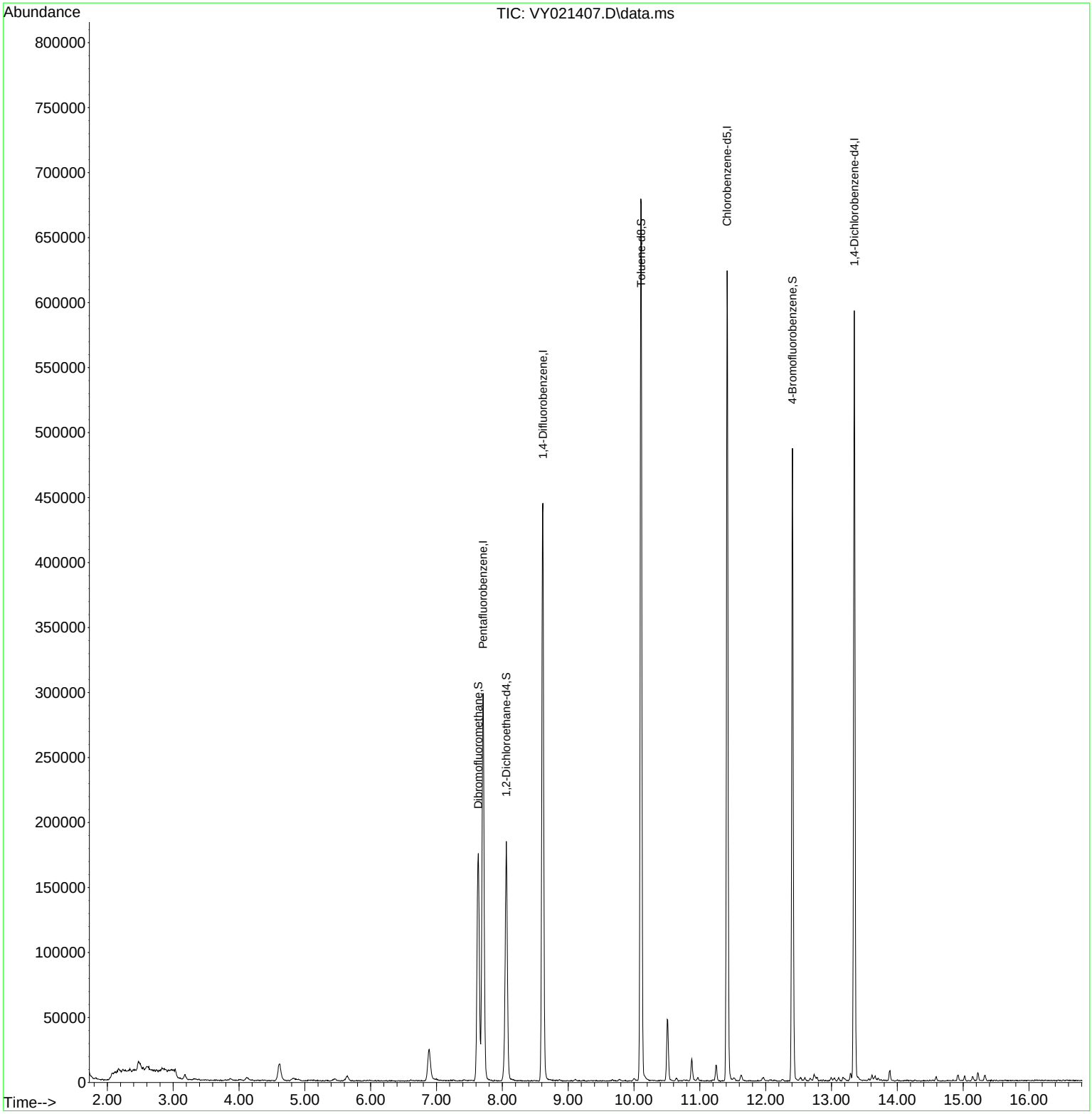
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	222723	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	373589	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	318454	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	140807	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	135276	57.465	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 114.940%			
35) Dibromofluoromethane	7.634	113	123966	50.482	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.960%			
50) Toluene-d8	10.109	98	448479	48.234	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.460%			
62) 4-Bromofluorobenzene	12.408	95	138502	43.792	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 87.580%			
Target Compounds						Qvalue

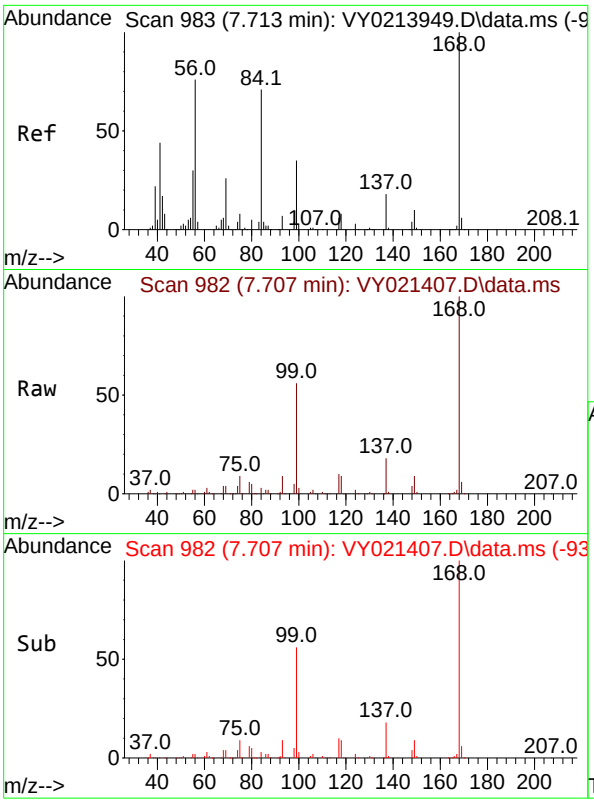
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
Data File : VY021407.D
Acq On : 05 Mar 2025 12:02
Operator : SY/MD
Sample : VY0305SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0305SBL01

Quant Time: Mar 06 02:54:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration



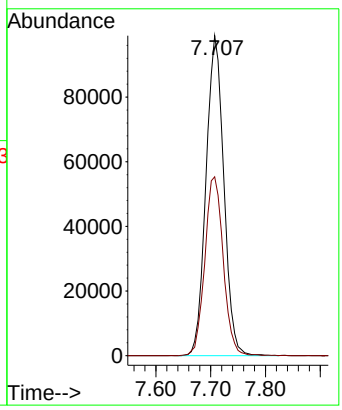


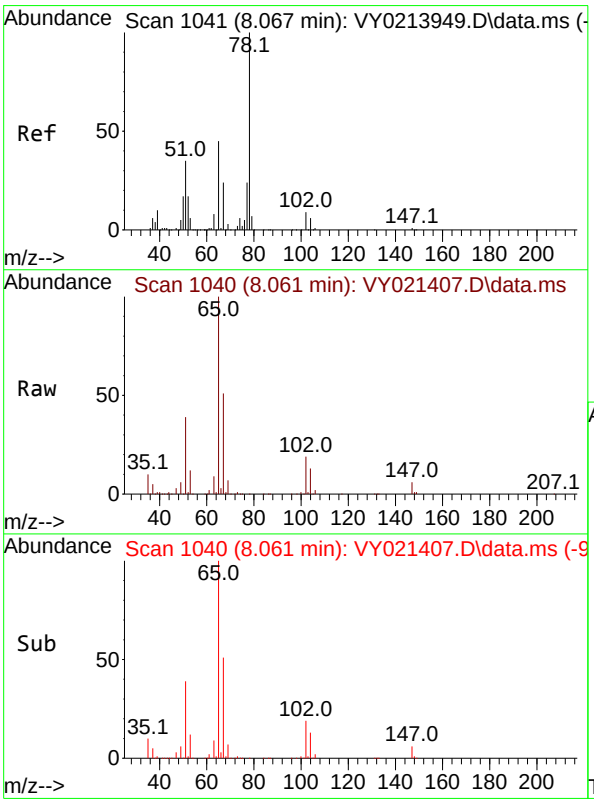
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY021407.D
Acq: 05 Mar 2025 12:02

Instrument :
MSVOA_Y
ClientSampleId :
VY0305SBL01

Tgt Ion:168 Resp: 222723

Ion	Ratio	Lower	Upper
168	100		
99	55.9	46.0	69.0

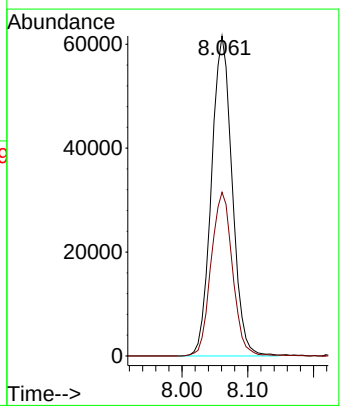


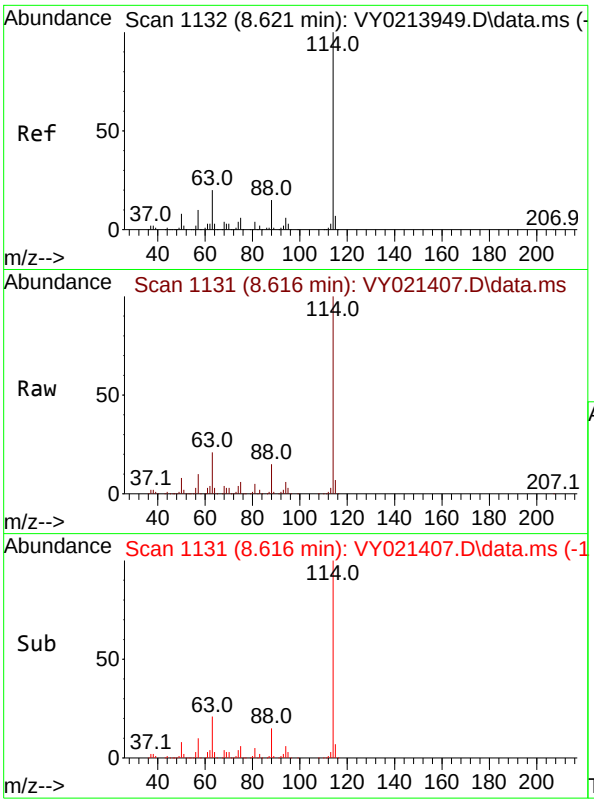


#33
1,2-Dichloroethane-d4
Concen: 57.465 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY021407.D
Acq: 05 Mar 2025 12:02

Tgt Ion: 65 Resp: 135276

Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	102.8



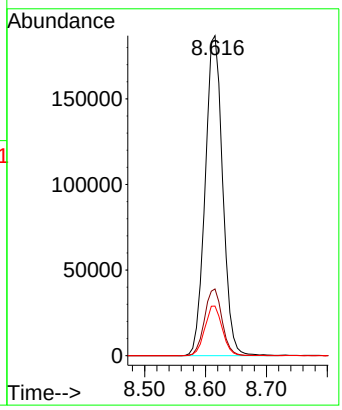


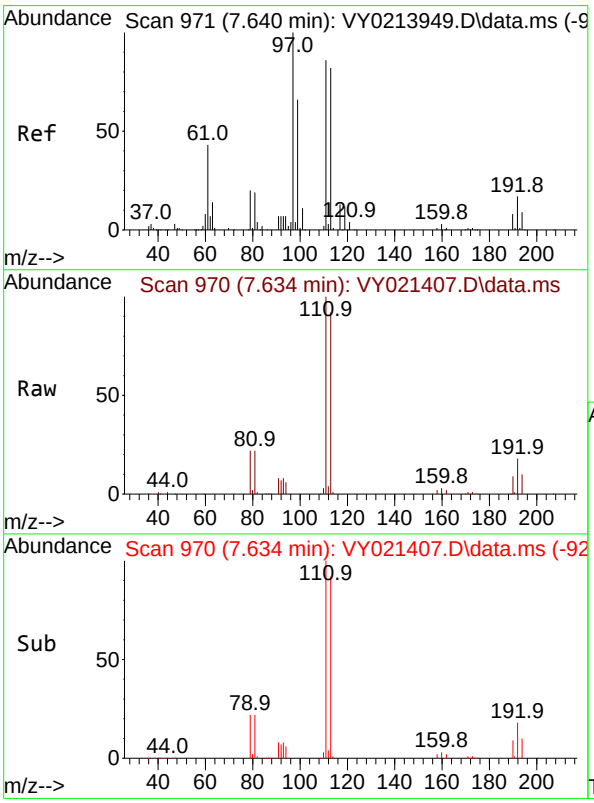
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021407.D
Acq: 05 Mar 2025 12:02

Instrument :
MSVOA_Y
ClientSampleId :
VY0305SBL01

Tgt Ion:114 Resp: 373589

Ion	Ratio	Lower	Upper
114	100		
63	20.8	0.0	40.8
88	15.5	0.0	30.8

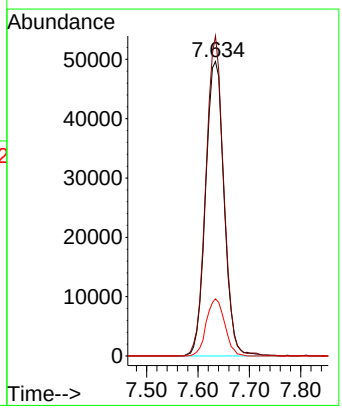


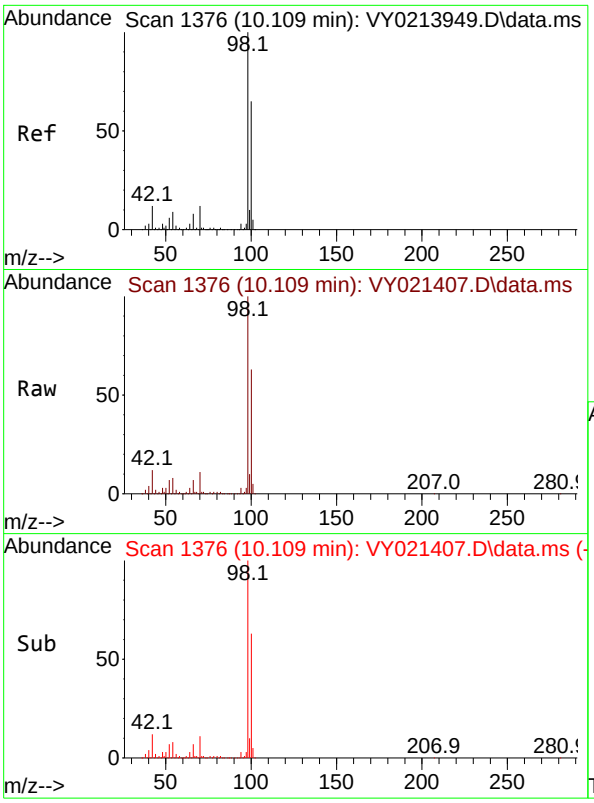


#35
Dibromofluoromethane
Concen: 50.482 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY021407.D
Acq: 05 Mar 2025 12:02

Tgt Ion:113 Resp: 123966

Ion	Ratio	Lower	Upper
113	100		
111	104.7	82.0	123.0
192	19.3	15.9	23.9



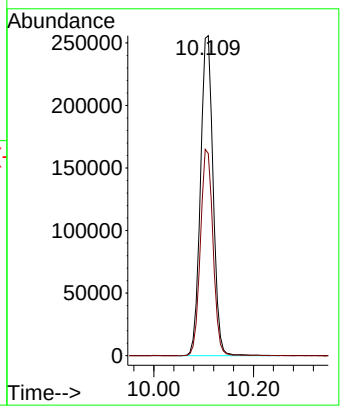


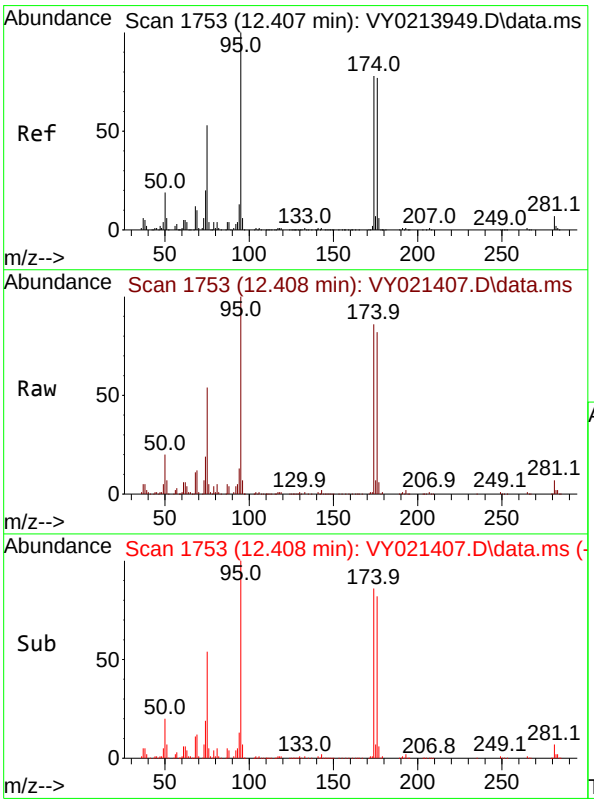
#50
Toluene-d8
Concen: 48.234 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY021407.D
Acq: 05 Mar 2025 12:02

Instrument :
MSVOA_Y
ClientSampleId :
VY0305SBL01

Tgt Ion: 98 Resp: 448479

Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.1	78.1

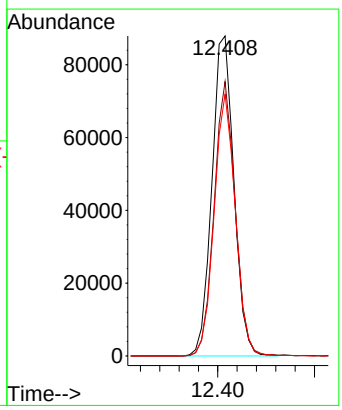


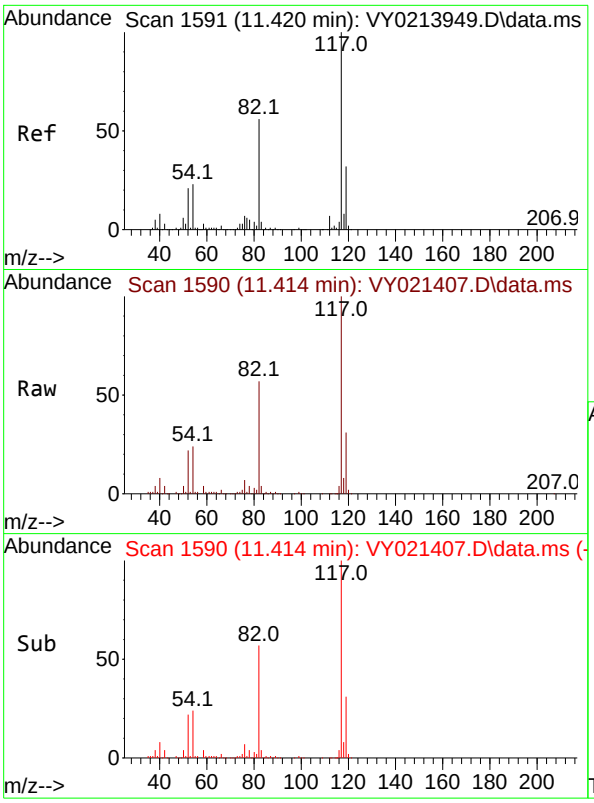


#62
4-Bromofluorobenzene
Concen: 43.792 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021407.D
Acq: 05 Mar 2025 12:02

Tgt Ion: 95 Resp: 138502

Ion	Ratio	Lower	Upper
95	100		
174	82.2	0.0	165.0
176	79.2	0.0	160.0



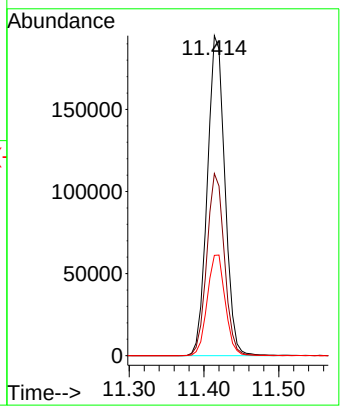


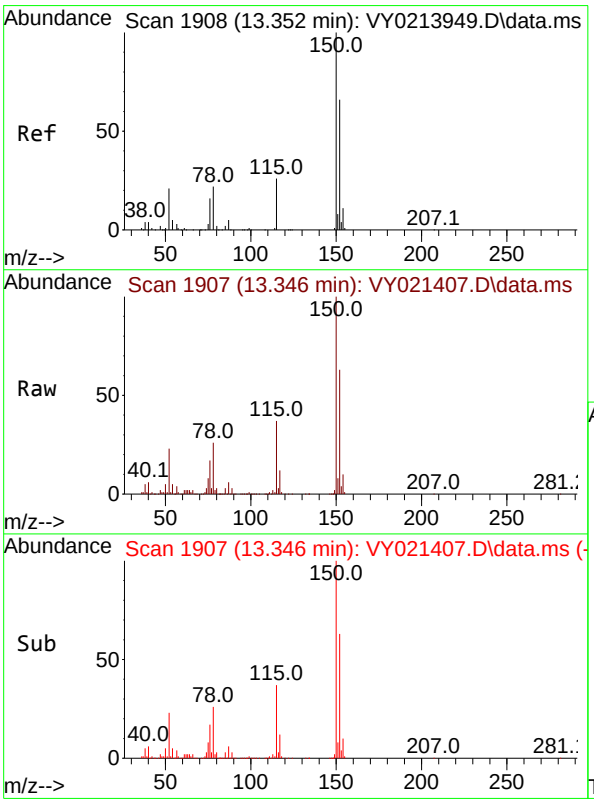
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY021407.D
Acq: 05 Mar 2025 12:02

Instrument :
MSVOA_Y
ClientSampleId :
VY0305SBL01

Tgt Ion:117 Resp: 318454

Ion	Ratio	Lower	Upper
117	100		
82	56.9	44.6	67.0
119	31.3	25.4	38.0

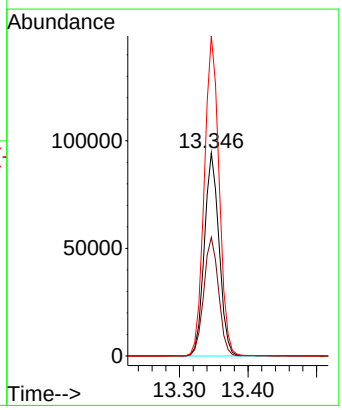




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. -0.006 min
Lab File: VY021407.D
Acq: 05 Mar 2025 12:02

Tgt Ion:152 Resp: 140807

Ion	Ratio	Lower	Upper
152	100		
115	59.0	29.0	87.0
150	158.7	0.0	347.2



Sample Results: **VY021407.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
Data File : VY021407.D
Acq On : 05 Mar 2025 12:02
Operator : SY/MD
Sample : VY0305SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0305SBL01

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\82Y030425S.M
Title : SW846 8260

Signal : TIC: VY021407.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.616	464	475	488	rBV3	12901	44203	3.66%	0.669%
2	6.890	835	848	864	rBV	24382	79907	6.62%	1.210%
3	7.634	960	970	976	rBV	174958	430484	35.65%	6.517%
4	7.707	976	982	997	rVB	297626	670420	55.52%	10.149%
5	8.061	1027	1040	1053	rBV2	184307	428502	35.49%	6.487%
6	8.616	1121	1131	1143	rBV	444735	897476	74.33%	13.586%
7	10.103	1367	1375	1396	rVB	678483	1207499	100.00%	18.279%
8	10.505	1435	1441	1457	rVB2	47440	90746	7.52%	1.374%
9	10.877	1495	1502	1512	rBV2	16835	30393	2.52%	0.460%
10	11.249	1558	1563	1570	rVB3	12206	21411	1.77%	0.324%
11	11.414	1582	1590	1602	rBV	623430	1023444	84.76%	15.493%
12	12.408	1746	1753	1768	rBV2	486812	792203	65.61%	11.992%
13	13.346	1900	1907	1915	rVV	590653	889199	73.64%	13.461%

Sum of corrected areas: 6605887

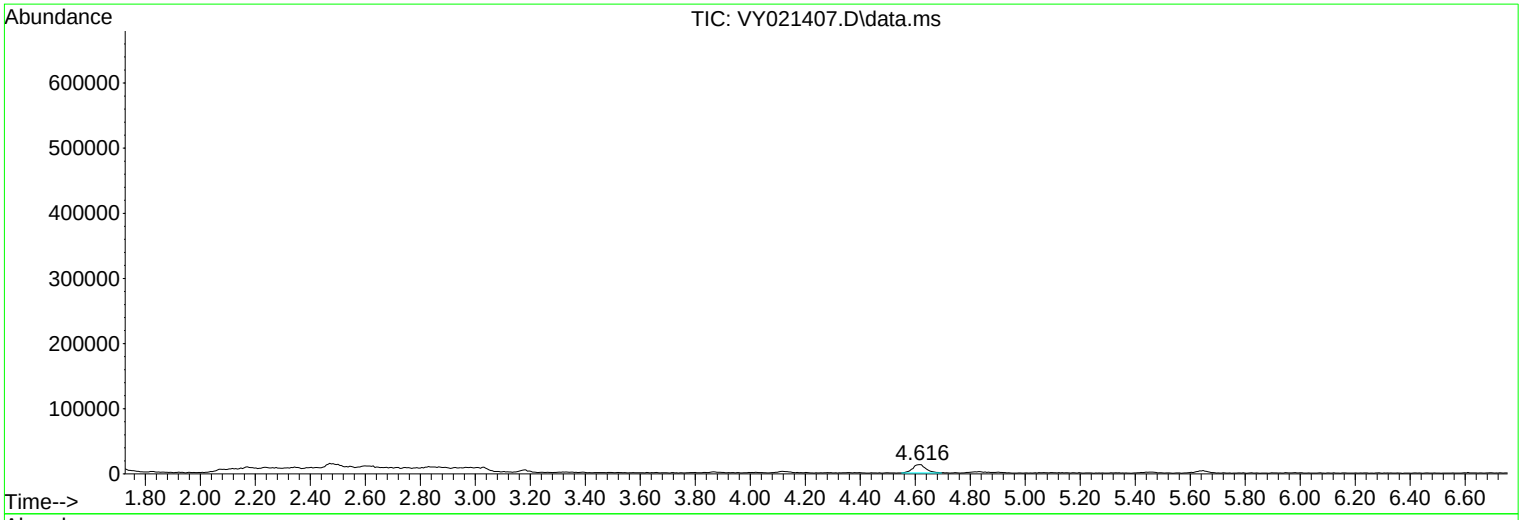
Sample Results: **VY021407.D**

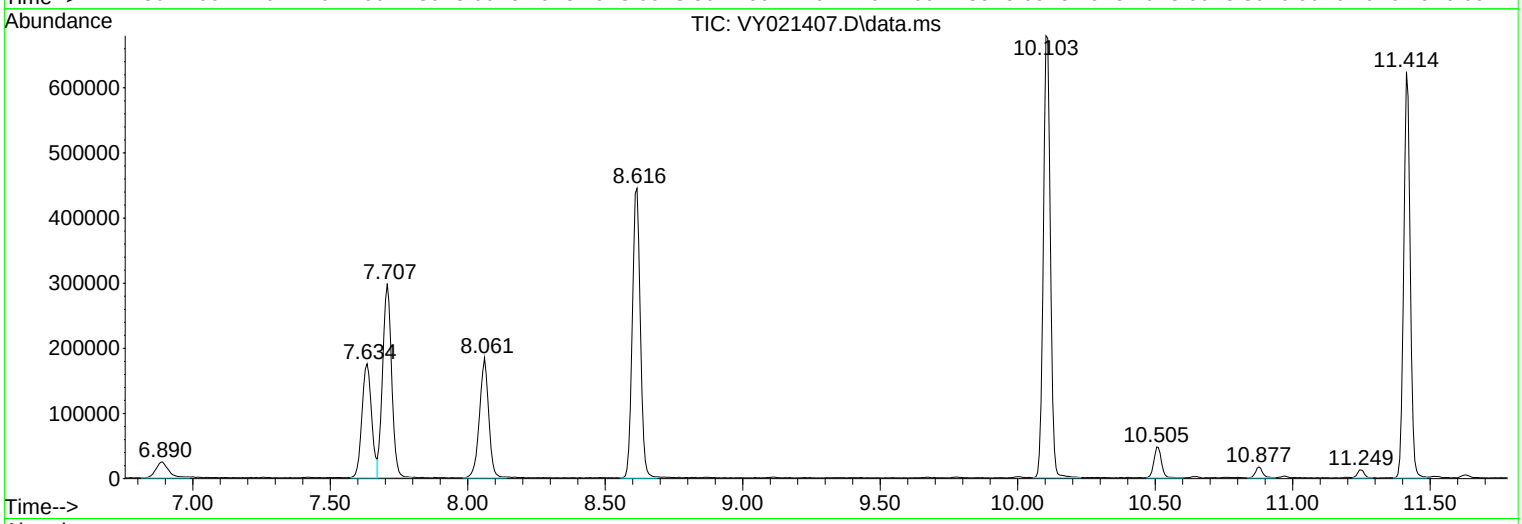
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
Data File : VY021407.D
Acq On : 05 Mar 2025 12:02
Operator : SY/MD
Sample : VY0305SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

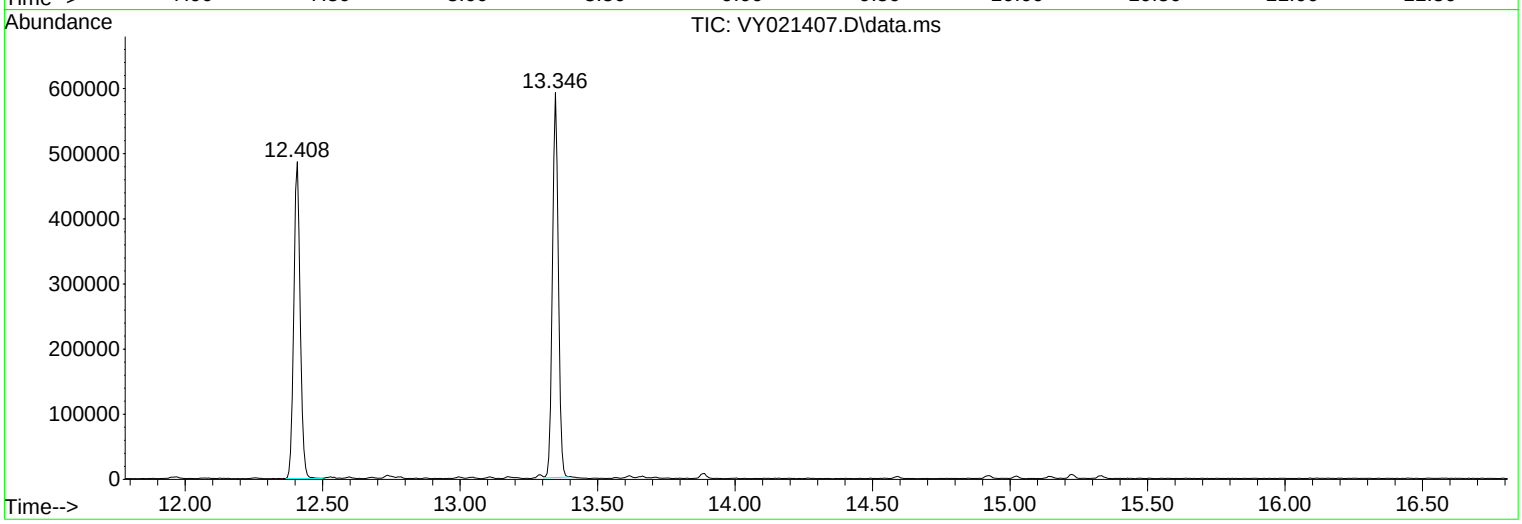
Instrument :
MSVOA_Y
ClientSampleId :
VY0305SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260

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







Library Search Compound Report

Sample Results: **VY021407.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
Data File : VY021407.D
Acq On : 05 Mar 2025 12:02
Operator : SY/MD
Sample : VY0305SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0305SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.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\VY030525\
Data File : VY021407.D
Acq On : 05 Mar 2025 12:02
Operator : SY/MD
Sample : VY0305SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0305SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.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\VY030525\
Data File : VY021408.D
Acq On : 05 Mar 2025 13:23
Operator : SY/MD
Sample : VY0305SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 06 02:54:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0305SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	201041	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	324142	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	291860	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	150751	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	125199	58.920	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 117.840%			
35) Dibromofluoromethane	7.634	113	116577	54.715	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.420%			
50) Toluene-d8	10.109	98	436802	54.145	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 108.300%			
62) 4-Bromofluorobenzene	12.408	95	150167	54.723	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 109.440%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	33231	18.013	ug/l	100
3) Chloromethane	2.068	50	51497	19.799	ug/l	99
4) Vinyl Chloride	2.202	62	57247	20.140	ug/l	98
5) Bromomethane	2.586	94	46445	22.608	ug/l	91
6) Chloroethane	2.732	64	39324	20.935	ug/l	100
7) Trichlorofluoromethane	3.056	101	78633	19.820	ug/l	99
8) Diethyl Ether	3.452	74	22874	20.805	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.805	101	43591	19.244	ug/l	98
10) Methyl Iodide	4.000	142	39500	17.155	ug/l	99
11) Tert butyl alcohol	4.860	59	17133	111.532	ug/l	100
12) 1,1-Dichloroethene	3.787	96	39242	19.002	ug/l	98
13) Acrolein	3.653	56	22369	206.968	ug/l	88
14) Allyl chloride	4.385	41	64477	19.320	ug/l	98
15) Acrylonitrile	5.055	53	49253	105.234	ug/l	99
16) Acetone	3.872	43	39199	84.580	ug/l	90
17) Carbon Disulfide	4.104	76	120116	18.559	ug/l	99
18) Methyl Acetate	4.385	43	22479	21.860	ug/l	99
19) Methyl tert-butyl Ether	5.116	73	105913	20.235	ug/l	100
20) Methylene Chloride	4.616	84	50901	20.923	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	44469	19.228	ug/l	96
22) Diisopropyl ether	6.012	45	144821	20.136	ug/l	98
23) Vinyl Acetate	5.957	43	417412	101.692	ug/l	99
24) 1,1-Dichloroethane	5.915	63	84703	19.954	ug/l	97
25) 2-Butanone	6.890	43	61479	95.896	ug/l	98
26) 2,2-Dichloropropane	6.884	77	71921	18.414	ug/l	99
27) cis-1,2-Dichloroethene	6.884	96	51210	19.491	ug/l	98
28) Bromochloromethane	7.244	49	41531	23.337	ug/l	100
29) Tetrahydrofuran	7.262	42	41037	103.686	ug/l	99
30) Chloroform	7.414	83	88860	20.159	ug/l	99
31) Cyclohexane	7.701	56	72700	18.268	ug/l	98
32) 1,1,1-Trichloroethane	7.616	97	78159	19.366	ug/l	100
36) 1,1-Dichloropropene	7.835	75	60422	18.117	ug/l	99
37) Ethyl Acetate	6.988	43	28618	19.414	ug/l	98
38) Carbon Tetrachloride	7.817	117	68825	17.944	ug/l	97
39) Methylcyclohexane	9.109	83	71472	17.471	ug/l	96
40) Benzene	8.079	78	183943	18.723	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
Data File : VY021408.D
Acq On : 05 Mar 2025 13:23
Operator : SY/MD
Sample : VY0305SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 06 02:54:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0305SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	13154	16.389	ug/l	#	80
42) 1,2-Dichloroethane	8.158	62	54126	19.693	ug/l		99
43) Isopropyl Acetate	8.195	43	56825	19.858	ug/l	#	87
44) Trichloroethene	8.865	130	45770	18.436	ug/l		94
45) 1,2-Dichloropropane	9.140	63	45562	19.486	ug/l		95
46) Dibromomethane	9.231	93	26801	20.600	ug/l		98
47) Bromodichloromethane	9.420	83	67238	19.461	ug/l		97
48) Methyl methacrylate	9.219	41	24819	18.888	ug/l		96
49) 1,4-Dioxane	9.231	88	5657	442.995	ug/l		97
51) 4-Methyl-2-Pentanone	9.999	43	148465	100.554	ug/l		98
52) Toluene	10.170	92	116326	18.781	ug/l		98
53) t-1,3-Dichloropropene	10.396	75	58266	19.141	ug/l		98
54) cis-1,3-Dichloropropene	9.859	75	68500	18.954	ug/l		97
55) 1,1,2-Trichloroethane	10.572	97	34408	20.218	ug/l		97
56) Ethyl methacrylate	10.438	69	42142	19.416	ug/l		99
57) 1,3-Dichloropropane	10.719	76	58515	19.838	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	113664	113.443	ug/l		99
59) 2-Hexanone	10.761	43	96128	98.464	ug/l		98
60) Dibromochloromethane	10.914	129	45075	19.320	ug/l		98
61) 1,2-Dibromoethane	11.018	107	31570	19.655	ug/l		98
64) Tetrachloroethene	10.646	164	44038	18.556	ug/l		98
65) Chlorobenzene	11.444	112	126311	18.327	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.517	131	45239	18.566	ug/l		99
67) Ethyl Benzene	11.517	91	214834	17.759	ug/l		99
68) m/p-Xylenes	11.627	106	165974	36.139	ug/l		97
69) o-Xylene	11.956	106	78391	18.520	ug/l		98
70) Styrene	11.969	104	129901	18.499	ug/l		99
71) Bromoform	12.133	173	26059	19.131	ug/l	#	98
73) Isopropylbenzene	12.255	105	204580	17.228	ug/l		100
74) N-amyl acetate	12.072	43	46083	17.869	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.505	83	40368	19.264	ug/l		99
76) 1,2,3-Trichloropropane	12.560	75	30667m	20.188	ug/l		
77) Bromobenzene	12.536	156	50134	18.046	ug/l		99
78) n-propylbenzene	12.596	91	252857	17.533	ug/l		100
79) 2-Chlorotoluene	12.682	91	147554	17.893	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	170075	17.624	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.304	75	11885	17.786	ug/l		99
82) 4-Chlorotoluene	12.779	91	153571	17.984	ug/l		100
83) tert-Butylbenzene	12.999	119	150690	17.504	ug/l		99
84) 1,2,4-Trimethylbenzene	13.048	105	172723	18.026	ug/l		99
85) sec-Butylbenzene	13.176	105	222289	17.354	ug/l		100
86) p-Isopropyltoluene	13.291	119	186571	17.680	ug/l		99
87) 1,3-Dichlorobenzene	13.291	146	98953	17.894	ug/l		99
88) 1,4-Dichlorobenzene	13.371	146	97999	18.120	ug/l		99
89) n-Butylbenzene	13.621	91	171289	17.578	ug/l		99
90) Hexachloroethane	13.883	117	38963	17.307	ug/l		98
91) 1,2-Dichlorobenzene	13.663	146	86839	18.321	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	6117	19.487	ug/l		93
93) 1,2,4-Trichlorobenzene	14.925	180	46609	18.004	ug/l		100
94) Hexachlorobutadiene	15.029	225	29484	18.168	ug/l		99
95) Naphthalene	15.145	128	72844	18.669	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	39473	18.129	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
Data File : VY021408.D
Acq On : 05 Mar 2025 13:23
Operator : SY/MD
Sample : VY0305SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 06 02:54:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0305SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

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

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

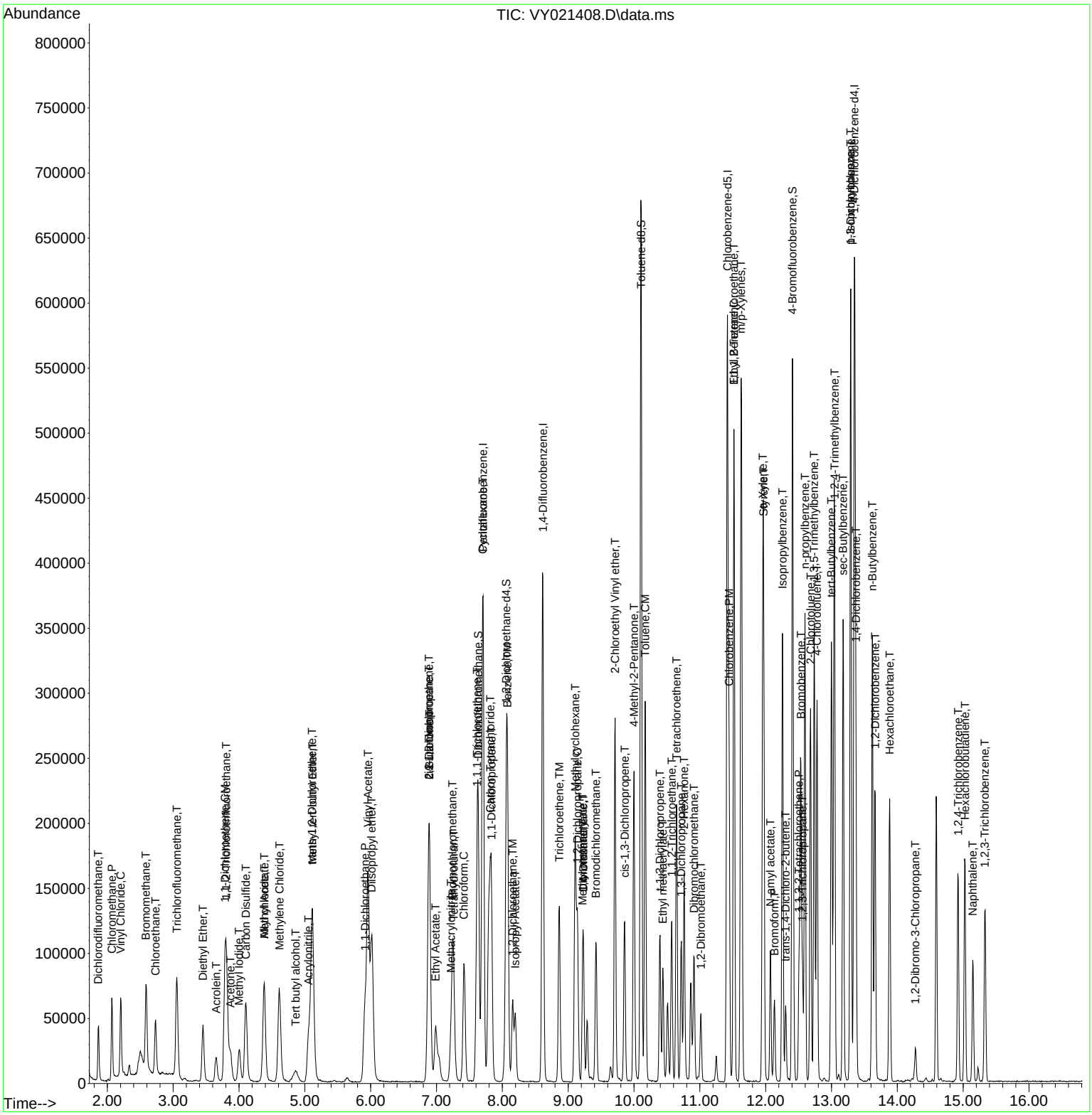
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
Data File : VY021408.D
Acq On : 05 Mar 2025 13:23
Operator : SY/MD
Sample : VY0305SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 06 02:54:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0305SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
Data File : VY021409.D
Acq On : 05 Mar 2025 13:45
Operator : SY/MD
Sample : VY0305SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 06 02:55:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0305SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	219622	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	350519	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	311213	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	157165	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	128248	55.249	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.500%			
35) Dibromofluoromethane	7.634	113	120748	52.408	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.820%			
50) Toluene-d8	10.103	98	458096	52.512	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.020%			
62) 4-Bromofluorobenzene	12.408	95	155017	52.239	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 104.480%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	36464	18.093	ug/l	100
3) Chloromethane	2.068	50	55939	19.687	ug/l	98
4) Vinyl Chloride	2.202	62	62394	20.094	ug/l	98
5) Bromomethane	2.586	94	44573	19.861	ug/l	95
6) Chloroethane	2.732	64	41393	20.172	ug/l	95
7) Trichlorofluoromethane	3.056	101	81310	18.761	ug/l	100
8) Diethyl Ether	3.458	74	23250	19.357	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.812	101	44849	18.125	ug/l	99
10) Methyl Iodide	4.007	142	44233	17.585	ug/l	98
11) Tert butyl alcohol	4.854	59	18872	112.664	ug/l #	84
12) 1,1-Dichloroethene	3.787	96	41641	18.458	ug/l	97
13) Acrolein	3.653	56	21168	179.285	ug/l	86
14) Allyl chloride	4.379	41	67344	18.472	ug/l	99
15) Acrylonitrile	5.055	53	50655	99.073	ug/l	99
16) Acetone	3.873	43	41021	81.023	ug/l	90
17) Carbon Disulfide	4.098	76	129057	18.254	ug/l	100
18) Methyl Acetate	4.385	43	22955	20.434	ug/l	98
19) Methyl tert-butyl Ether	5.110	73	108627	18.997	ug/l	97
20) Methylene Chloride	4.616	84	51510	19.382	ug/l	98
21) trans-1,2-Dichloroethene	5.110	96	46204	18.288	ug/l	96
22) Diisopropyl ether	6.018	45	151452	19.276	ug/l	95
23) Vinyl Acetate	5.957	43	428924	95.655	ug/l	100
24) 1,1-Dichloroethane	5.915	63	88705	19.129	ug/l	98
25) 2-Butanone	6.896	43	63208	90.252	ug/l	100
26) 2,2-Dichloropropane	6.878	77	74290	17.411	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	53000	18.466	ug/l	99
28) Bromochloromethane	7.244	49	39492	20.314	ug/l	99
29) Tetrahydrofuran	7.262	42	42647	98.637	ug/l	99
30) Chloroform	7.421	83	91256	18.951	ug/l	97
31) Cyclohexane	7.701	56	75774	17.430	ug/l	93
32) 1,1,1-Trichloroethane	7.616	97	80271	18.206	ug/l	99
36) 1,1-Dichloropropene	7.829	75	64551	17.898	ug/l	99
37) Ethyl Acetate	6.982	43	28849	18.098	ug/l	98
38) Carbon Tetrachloride	7.817	117	73590	17.742	ug/l	95
39) Methylcyclohexane	9.109	83	74570	16.857	ug/l	98
40) Benzene	8.079	78	196219	18.469	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
Data File : VY021409.D
Acq On : 05 Mar 2025 13:45
Operator : SY/MD
Sample : VY0305SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 06 02:55:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0305SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	15389m	17.730	ug/l		
42) 1,2-Dichloroethane	8.152	62	57208	19.248	ug/l		99
43) Isopropyl Acetate	8.195	43	56545	18.273	ug/l	#	85
44) Trichloroethene	8.859	130	48014	17.885	ug/l		93
45) 1,2-Dichloropropane	9.140	63	46681	18.462	ug/l		94
46) Dibromomethane	9.231	93	26764	19.024	ug/l		98
47) Bromodichloromethane	9.420	83	68827	18.421	ug/l		100
48) Methyl methacrylate	9.219	41	25720	18.101	ug/l		100
49) 1,4-Dioxane	9.225	88	5971	432.398	ug/l		94
51) 4-Methyl-2-Pentanone	9.999	43	152608	95.582	ug/l		100
52) Toluene	10.170	92	121847	18.192	ug/l		100
53) t-1,3-Dichloropropene	10.390	75	61521	18.690	ug/l		98
54) cis-1,3-Dichloropropene	9.853	75	71042	18.178	ug/l		96
55) 1,1,2-Trichloroethane	10.573	97	35259	19.159	ug/l		99
56) Ethyl methacrylate	10.438	69	42706	18.195	ug/l		99
57) 1,3-Dichloropropane	10.719	76	59707	18.719	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.707	63	111962	103.336	ug/l		100
59) 2-Hexanone	10.762	43	99995	94.717	ug/l		96
60) Dibromochloromethane	10.908	129	46676	18.500	ug/l		100
61) 1,2-Dibromoethane	11.018	107	32873	18.926	ug/l		100
64) Tetrachloroethene	10.646	164	45794	18.096	ug/l		96
65) Chlorobenzene	11.438	112	131833	17.939	ug/l		95
66) 1,1,1,2-Tetrachloroethane	11.511	131	47843	18.413	ug/l		98
67) Ethyl Benzene	11.517	91	225293	17.466	ug/l		100
68) m/p-Xylenes	11.627	106	172873	35.300	ug/l		99
69) o-Xylene	11.950	106	79329	17.576	ug/l		99
70) Styrene	11.969	104	136324	18.207	ug/l		99
71) Bromoform	12.133	173	26835	18.475	ug/l	#	98
73) Isopropylbenzene	12.255	105	212772	17.186	ug/l		100
74) N-amyl acetate	12.072	43	48593	18.073	ug/l		99
75) 1,1,2,2-Tetrachloroethane	12.505	83	40337	18.463	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	29137m	18.398	ug/l		
77) Bromobenzene	12.529	156	51103	17.644	ug/l		100
78) n-propylbenzene	12.597	91	260508	17.326	ug/l		100
79) 2-Chlorotoluene	12.682	91	151725	17.648	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	175683	17.462	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	11980	17.196	ug/l		97
82) 4-Chlorotoluene	12.779	91	156301	17.557	ug/l		100
83) tert-Butylbenzene	12.999	119	156396	17.425	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	176990	17.718	ug/l		100
85) sec-Butylbenzene	13.176	105	227920	17.068	ug/l		99
86) p-Isopropyltoluene	13.292	119	190282	17.296	ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	101377	17.584	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	98520	17.473	ug/l		98
89) n-Butylbenzene	13.621	91	172740	17.004	ug/l		100
90) Hexachloroethane	13.877	117	41250	17.576	ug/l		97
91) 1,2-Dichlorobenzene	13.657	146	87726	17.753	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	6358	19.428	ug/l		92
93) 1,2,4-Trichlorobenzene	14.919	180	47398	17.561	ug/l		99
94) Hexachlorobutadiene	15.023	225	30076	17.777	ug/l		98
95) Naphthalene	15.145	128	76650	18.823	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	40264	17.737	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
Data File : VY021409.D
Acq On : 05 Mar 2025 13:45
Operator : SY/MD
Sample : VY0305SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 06 02:55:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0305SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025

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

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

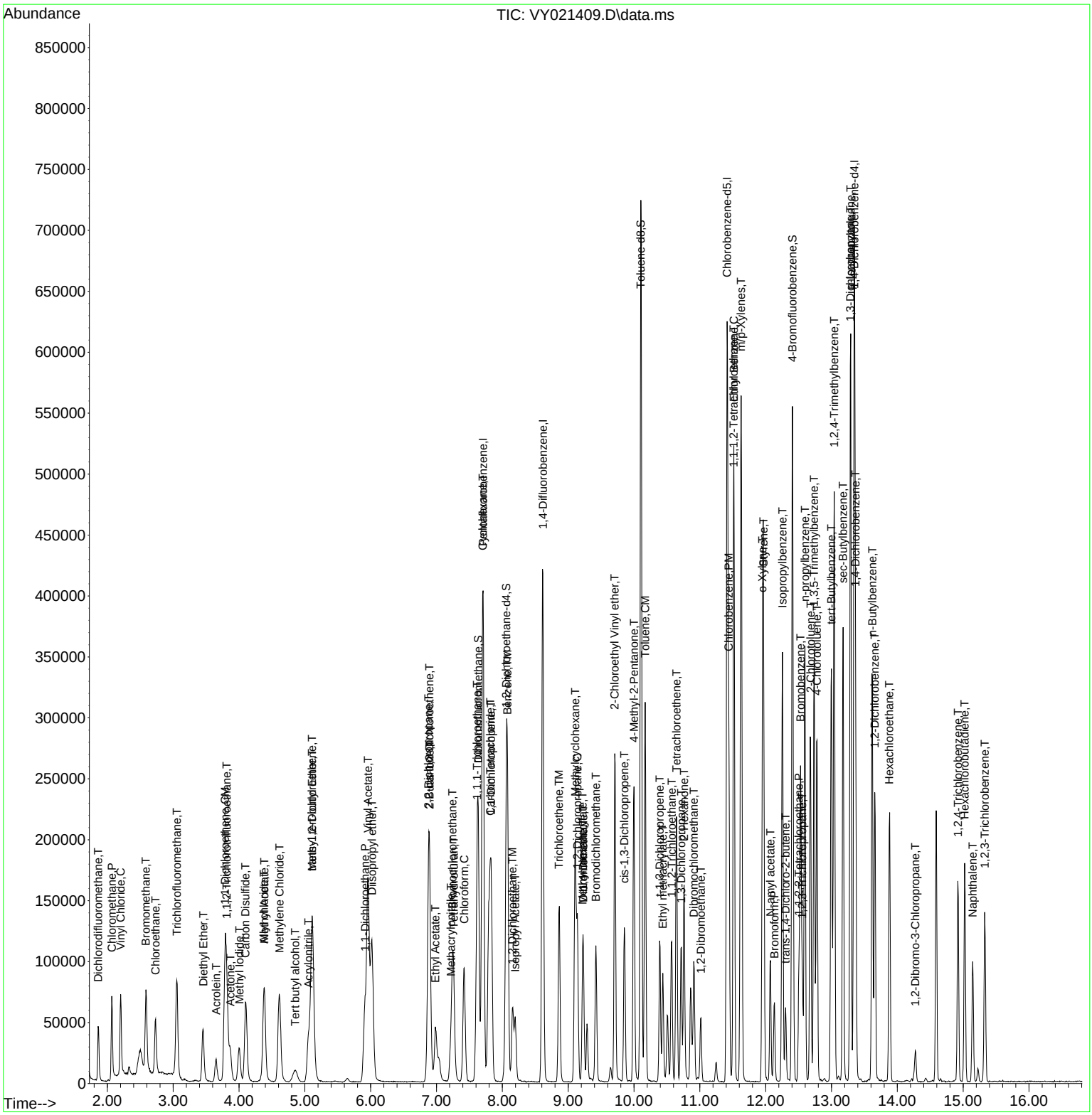
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030525\
Data File : VY021409.D
Acq On : 05 Mar 2025 13:45
Operator : SY/MD
Sample : VY0305SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 06 02:55:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030425S.M
Quant Title : SW846 8260
QLast Update : Wed Mar 05 12:42:45 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0305SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 03/06/2025
Supervised By :Semsettin Yesilyurt 03/06/2025



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

Manual Integration Report

Sequence:	VY030425	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC010	VY021397.D	1,2,3-Trichloropropane	MMDadoda	3/6/2025 2:55:34 PM	SAM	3/6/2025 3:00:08 PM	Peak Integrated by Software
VSTDICC010	VY021397.D	Methacrylonitrile	MMDadoda	3/6/2025 2:55:34 PM	SAM	3/6/2025 3:00:08 PM	Peak Integrated by Software
VSTDICC010	VY021397.D	Tert butyl alcohol	MMDadoda	3/6/2025 2:55:34 PM	SAM	3/6/2025 3:00:08 PM	Peak Integrated by Software
VSTDICC020	VY021398.D	1,2,3-Trichloropropane	MMDadoda	3/6/2025 2:55:33 PM	SAM	3/6/2025 3:00:07 PM	Peak Integrated by Software
VSTDICC020	VY021398.D	Ethyl Acetate	MMDadoda	3/6/2025 2:55:33 PM	SAM	3/6/2025 3:00:07 PM	Peak Integrated by Software
VSTDICCC050	VY021399.D	1,2,3-Trichloropropane	MMDadoda	3/6/2025 2:55:35 PM	SAM	3/6/2025 3:00:06 PM	Peak Integrated by Software
VSTDICC100	VY021400.D	1,2,3-Trichloropropane	MMDadoda	3/6/2025 2:55:49 PM	SAM	3/6/2025 3:00:09 PM	Peak Integrated by Software
VSTDICC150	VY021401.D	1,2,3-Trichloropropane	MMDadoda	3/6/2025 2:55:42 PM	SAM	3/6/2025 3:00:14 PM	Peak Integrated by Software
VSTDICC005	VY021403.D	1,2,3-Trichloropropane	MMDadoda	3/6/2025 2:55:43 PM	SAM	3/6/2025 3:00:17 PM	Peak Integrated by Software
VSTDICC005	VY021403.D	Ethyl Acetate	MMDadoda	3/6/2025 2:55:43 PM	SAM	3/6/2025 3:00:17 PM	Peak Integrated by Software
VSTDICV050	VY021404.D	1,2,3-Trichloropropane	MMDadoda	3/6/2025 2:55:47 PM	SAM	3/6/2025 3:00:16 PM	Peak Integrated by Software
VSTDICV050	VY021404.D	Methacrylonitrile	MMDadoda	3/6/2025 2:55:47 PM	SAM	3/6/2025 3:00:16 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VY030425	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

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

Manual Integration Report

Sequence:	vy030525	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY021406.D	1,2,3-Trichloropropane	MMDadoda	3/6/2025 2:59:01 PM	SAM	3/6/2025 3:01:03 PM	Peak Integrated by Software
VY0305SBS01	VY021408.D	1,2,3-Trichloropropane	MMDadoda	3/6/2025 2:58:58 PM	SAM	3/6/2025 3:01:04 PM	Peak Integrated by Software
VY0305SBS01	VY021408.D	Methacrylonitrile	MMDadoda	3/6/2025 2:58:58 PM	SAM	3/6/2025 3:01:04 PM	Peak Integrated by Software
VY0305SBSD01	VY021409.D	1,2,3-Trichloropropane	MMDadoda	3/6/2025 2:58:59 PM	SAM	3/6/2025 3:01:05 PM	Peak Integrated by Software
VY0305SBSD01	VY021409.D	Methacrylonitrile	MMDadoda	3/6/2025 2:58:59 PM	SAM	3/6/2025 3:01:05 PM	Peak Integrated by Software
VSTDCCC050	VY021424.D	1,2,3-Trichloropropane	MMDadoda	3/6/2025 2:59:00 PM	SAM	3/6/2025 3:01:11 PM	Peak Integrated by Software

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 # VY030425

Review By	Mahesh Dadoda	Review On	3/5/2025 12:14:39 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	3/5/2025 12:18:08 PM				
SubDirectory	VY030425	HP Acquire Method	MSVOA_Y	HP Processing Method	82y030425s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP133216
Initial Calibration Stds	VP133207,VP133208,VP133209,VP133210,VP133211,VP133212
CCC	VP133214,VP133215
Internal Standard/PEM	VP131783
ICV/I.BLK	VP133213
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY021395.D	04 Mar 2025 08:52	SY/MD	Ok
2	VSTDICC005	VY021396.D	04 Mar 2025 09:23	SY/MD	Not Ok
3	VSTDICC010	VY021397.D	04 Mar 2025 09:46	SY/MD	Ok,M
4	VSTDICC020	VY021398.D	04 Mar 2025 10:09	SY/MD	Ok,M
5	VSTDICCC050	VY021399.D	04 Mar 2025 10:30	SY/MD	Ok,M
6	VSTDICC100	VY021400.D	04 Mar 2025 11:06	SY/MD	Ok,M
7	VSTDICC150	VY021401.D	04 Mar 2025 11:29	SY/MD	Ok,M
8	VIBLK	VY021402.D	04 Mar 2025 11:52	SY/MD	Ok
9	VSTDICC005	VY021403.D	04 Mar 2025 12:15	SY/MD	Ok,M
10	VSTDICV050	VY021404.D	04 Mar 2025 13:12	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 # VY030525

Review By	Mahesh Dadoda	Review On	3/6/2025 2:57:13 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	3/6/2025 3:01:17 PM				
SubDirectory	VY030525	HP Acquire Method	MSVOA_Y	HP Processing Method	82y030425s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP133220
Initial Calibration Stds	
CCC	VP133221,VP133222
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY021405.D	05 Mar 2025 09:41	SY/MD	Ok
2	VSTDCCC050	VY021406.D	05 Mar 2025 11:39	SY/MD	Ok,M
3	VY0305SBL01	VY021407.D	05 Mar 2025 12:02	SY/MD	Ok
4	VY0305SBS01	VY021408.D	05 Mar 2025 13:23	SY/MD	Ok,M
5	VY0305SBSD01	VY021409.D	05 Mar 2025 13:45	SY/MD	Ok,M
6	Q1475-01	VY021410.D	05 Mar 2025 14:11	SY/MD	Not Ok
7	Q1474-02	VY021411.D	05 Mar 2025 14:34	SY/MD	Ok
8	Q1447-01	VY021412.D	05 Mar 2025 14:58	SY/MD	Ok
9	Q1480-01	VY021413.D	05 Mar 2025 15:21	SY/MD	Ok,M
10	Q1480-09	VY021414.D	05 Mar 2025 15:45	SY/MD	Ok
11	Q1480-25	VY021415.D	05 Mar 2025 16:08	SY/MD	Ok
12	Q1481-01	VY021416.D	05 Mar 2025 16:31	SY/MD	Ok
13	Q1482-01	VY021417.D	05 Mar 2025 16:55	SY/MD	Ok,M
14	Q1475-01	VY021418.D	05 Mar 2025 17:18	SY/MD	Ok
15	Q1489-01	VY021419.D	05 Mar 2025 17:42	SY/MD	Ok
16	Q1489-05	VY021420.D	05 Mar 2025 18:05	SY/MD	Not Ok
17	Q1489-09	VY021421.D	05 Mar 2025 18:29	SY/MD	Ok,M
18	Q1489-13	VY021422.D	05 Mar 2025 18:52	SY/MD	Ok
19	Q1484-02	VY021423.D	05 Mar 2025 19:16	SY/MD	Ok
20	VSTDCCC050	VY021424.D	05 Mar 2025 19:38	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 # VY030425

Review By	Mahesh Dadoda	Review On	3/5/2025 12:14:39 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	3/5/2025 12:18:08 PM				
SubDirectory	VY030425	HP Acquire Method	MSVOA_Y	HP Processing Method	82y030425s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP133216
Initial Calibration Stds	VP133207,VP133208,VP133209,VP133210,VP133211,VP133212
CCC	VP133214,VP133215
Internal Standard/PEM	VP131783
ICV/I.BLK	VP133213
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY021395.D	04 Mar 2025 08:52		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VY021396.D	04 Mar 2025 09:23	not used	SY/MD	Not Ok
3	VSTDICC010	VSTDICC010	VY021397.D	04 Mar 2025 09:46		SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VY021398.D	04 Mar 2025 10:09	Comp.#11 is on Linear Regression	SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VY021399.D	04 Mar 2025 10:30	Comp.#95 is on Quadratic Regression	SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VY021400.D	04 Mar 2025 11:06		SY/MD	Ok,M
7	VSTDICC150	VSTDICC150	VY021401.D	04 Mar 2025 11:29	Method fail for comp.#13	SY/MD	Ok,M
8	VIBLK	VIBLK	VY021402.D	04 Mar 2025 11:52		SY/MD	Ok
9	VSTDICC005	VSTDICC005	VY021403.D	04 Mar 2025 12:15		SY/MD	Ok,M
10	VSTDICV050	ICVVY030425	VY021404.D	04 Mar 2025 13:12		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 # VY030525

Review By	Mahesh Dadoda	Review On	3/6/2025 2:57:13 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	3/6/2025 3:01:17 PM		
SubDirectory	VY030525	HP Acquire Method	MSVOA_Y	HP Processing Method	82y030425s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133220
Initial Calibration Stds	
CCC	VP133221,VP133222
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY021405.D	05 Mar 2025 09:41		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY021406.D	05 Mar 2025 11:39		SY/MD	Ok,M
3	VY0305SBL01	VY0305SBL01	VY021407.D	05 Mar 2025 12:02		SY/MD	Ok
4	VY0305SBS01	VY0305SBS01	VY021408.D	05 Mar 2025 13:23		SY/MD	Ok,M
5	VY0305SBSD01	VY0305SBSD01	VY021409.D	05 Mar 2025 13:45		SY/MD	Ok,M
6	Q1475-01	TR-04-02282025	VY021410.D	05 Mar 2025 14:11	Vial-A Not purged	SY/MD	Not Ok
7	Q1474-02	BU-03-02282025	VY021411.D	05 Mar 2025 14:34	Vial-A	SY/MD	Ok
8	Q1447-01	WC1	VY021412.D	05 Mar 2025 14:58	Vial-A	SY/MD	Ok
9	Q1480-01	TP-1	VY021413.D	05 Mar 2025 15:21	Vial-A ISTD Fail	SY/MD	Ok,M
10	Q1480-09	TP-2	VY021414.D	05 Mar 2025 15:45	Vial-A ISTD Fail	SY/MD	Ok
11	Q1480-25	TP-4	VY021415.D	05 Mar 2025 16:08	Vial-A ISTD Fail	SY/MD	Ok
12	Q1481-01	WC-K1311	VY021416.D	05 Mar 2025 16:31	Vial-A	SY/MD	Ok
13	Q1482-01	OR-03-030425	VY021417.D	05 Mar 2025 16:55	Vial-A	SY/MD	Ok,M
14	Q1475-01	TR-04-02282025	VY021418.D	05 Mar 2025 17:18	vial-B	SY/MD	Ok
15	Q1489-01	TP-1	VY021419.D	05 Mar 2025 17:42	Vial-A Internal standard fail	SY/MD	Ok
16	Q1489-05	TP-2	VY021420.D	05 Mar 2025 18:05	Vial-A Not purge	SY/MD	Not Ok
17	Q1489-09	TP-3	VY021421.D	05 Mar 2025 18:29	Vial-A	SY/MD	Ok,M
18	Q1489-13	TP-4	VY021422.D	05 Mar 2025 18:52	Vial-A	SY/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY030525

Review By	Mahesh Dadoda	Review On	3/6/2025 2:57:13 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	3/6/2025 3:01:17 PM		
SubDirectory	VY030525	HP Acquire Method	MSVOA_Y	HP Processing Method	82y030425s.m

STD. NAME	STD REF.#
Tune/Reschk	VP133220
Initial Calibration Stds	
CCC	VP133221,VP133222
Internal Standard/PEM	VP131783
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q1484-02	TR-OTR-VOC-01	VY021423.D	05 Mar 2025 19:16	Vial-A	SY/MD	Ok
20	VSTDCCC050	VSTDCCC050EC	VY021424.D	05 Mar 2025 19:38		SY/MD	Ok,M

M : Manual Integration

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LAB CHRONICLE

OrderID:	Q1447	**OrderDate:**	2/26/2025 2:32:53 PM
Client:	G Environmental	**Project:**	Nelson
Contact:	Gary Landis	**Location:**	H31,H33,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q1447-01	**WC1**	**SOIL**			**02/23/25**			**02/26/25**
			VOC-TCLVOA-10	8260D			03/05/25	