

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020323\
 Data File : VY012477.D
 Acq On : 03 Feb 2023 15:13
 Operator : KP/MD
 Sample : 01416-01
 Misc : 5.43g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Feb 04 00:10:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 04:31:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.795	168	163452	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	269370	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	225586	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	66275	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	97976	74.221	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 148.440%	
35) Dibromofluoromethane	7.716	113	81487	57.131	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 114.260%	
50) Toluene-d8	10.179	98	316030	65.272	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 130.540%	
62) 4-Bromofluorobenzene	12.483	95	72690	36.152	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 72.300%	

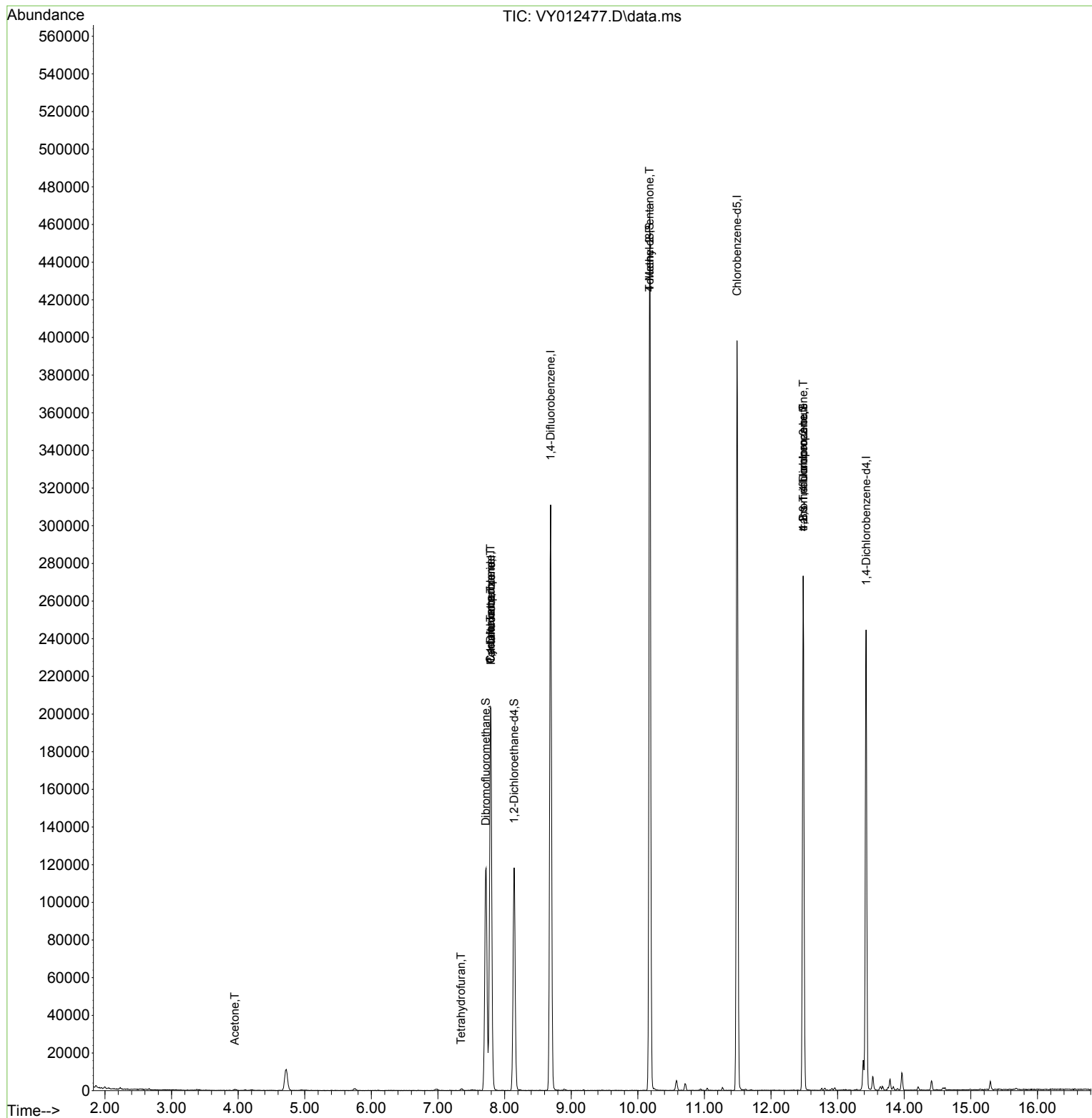
Target Compounds			Qvalue			
11) Tert butyl alcohol	4.960	59	672	Below Cal	#	74
16) Acetone	3.948	43	938	2.061	ug/l	# 82
20) Methylene Chloride	4.722	84	9690	Below Cal	#	81
29) Tetrahydrofuran	7.344	42	388	1.406	ug/l	# 49
31) Cyclohexane	7.789	56	2949	1.237	ug/l	# 2
36) 1,1-Dichloropropene	7.789	75	10773	4.444	ug/l	# 51
38) Carbon Tetrachloride	7.789	117	16190	5.171	ug/l	# 18
51) 4-Methyl-2-Pentanone	10.179	43	1070	1.009	ug/l	# 1
76) 1,2,3-Trichloropropane	12.483	75	38317	62.874	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	38317	129.549	ug/l	# 13

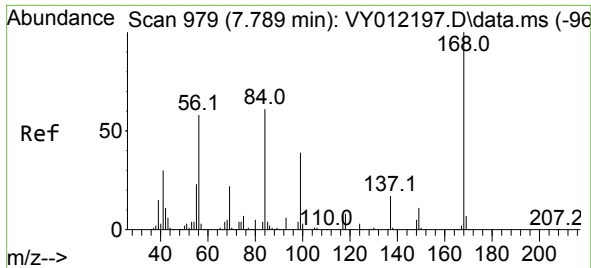
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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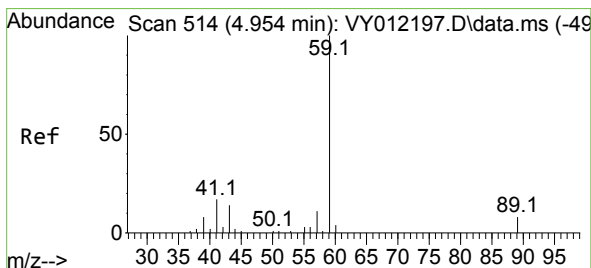
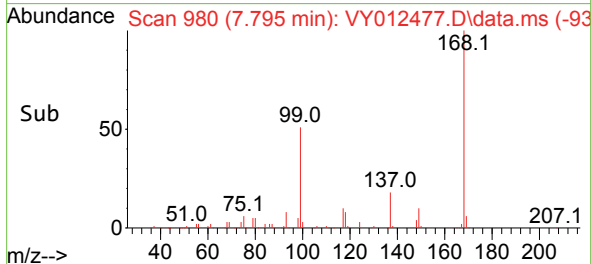
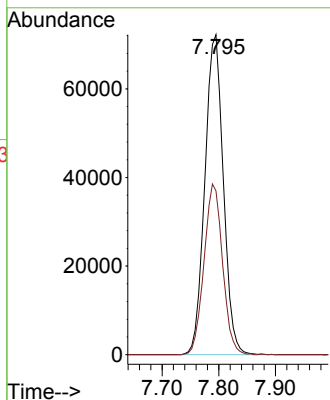
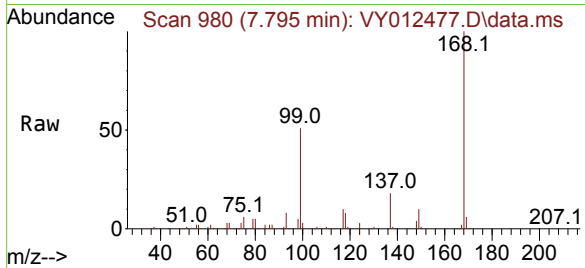




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY012477.D
Acq: 03 Feb 2023 15:13

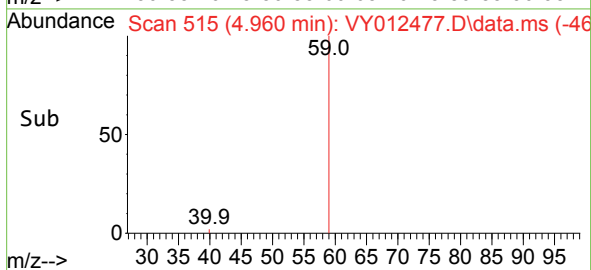
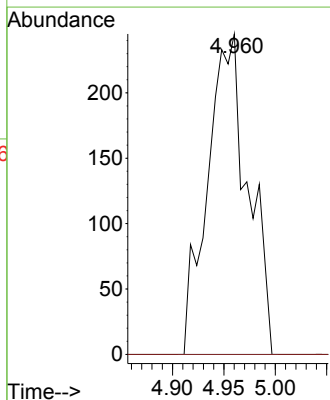
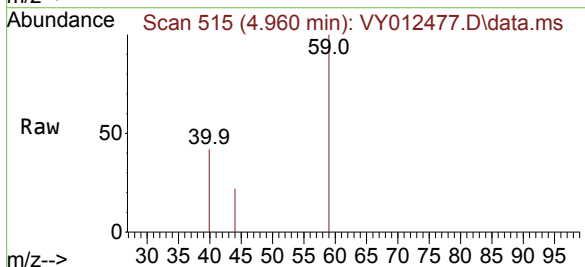
Instrument :
MSVOA_Y
ClientSampleId :

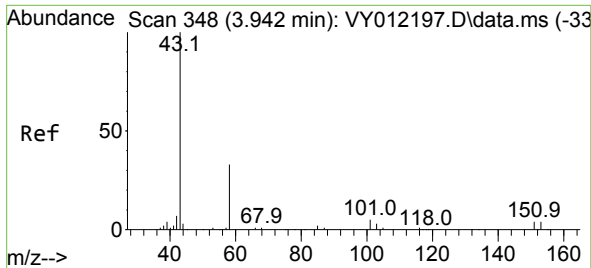
Tgt Ion:168 Resp: 163452
Ion Ratio Lower Upper
168 100
99 51.2 44.0 66.0



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.960 min Scan# 515
Delta R.T. 0.012 min
Lab File: VY012477.D
Acq: 03 Feb 2023 15:13

Tgt Ion: 59 Resp: 672
Ion Ratio Lower Upper
59 100
57 0.0 7.4 11.2#

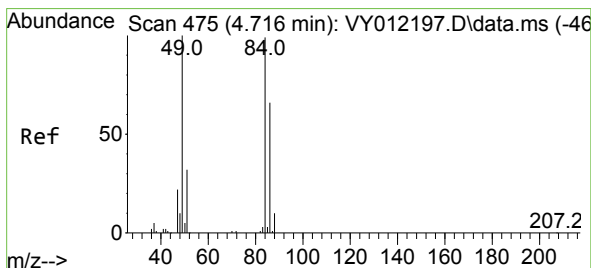
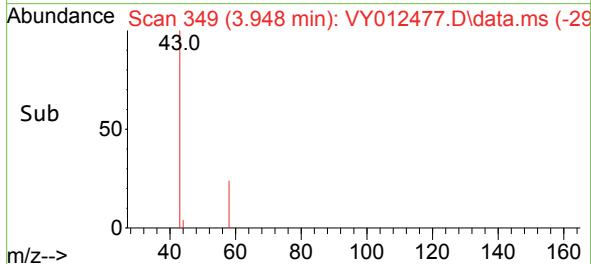
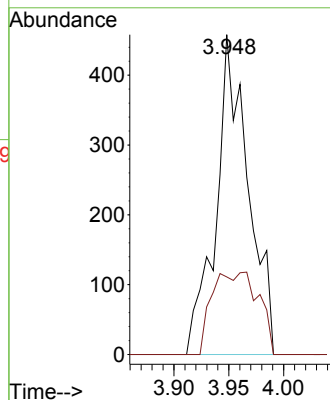
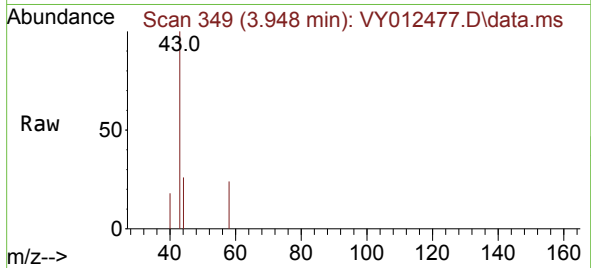




#16
Acetone
Concen: 2.061 ug/l
RT: 3.948 min Scan# 34
Delta R.T. 0.006 min
Lab File: VY012477.D
Acq: 03 Feb 2023 15:13

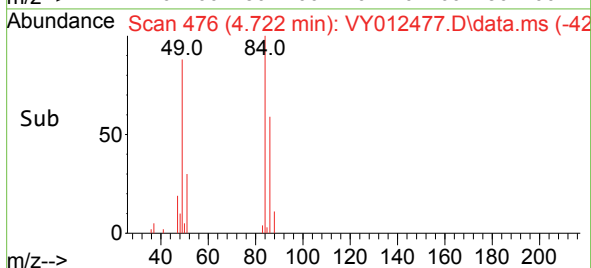
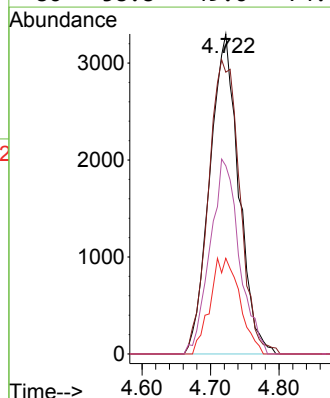
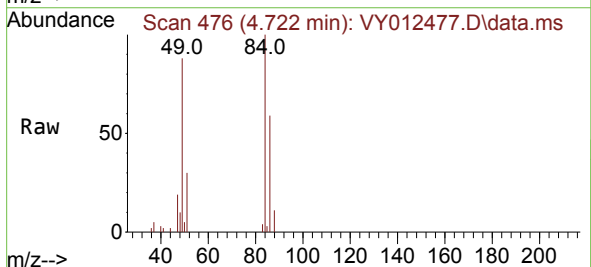
Instrument :
MSVOA_Y
ClientSampleId :

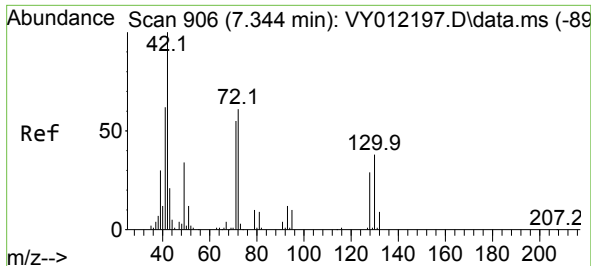
Tgt Ion: 43 Resp: 938
Ion Ratio Lower Upper
43 100
58 24.2 27.9 41.9#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.722 min Scan# 476
Delta R.T. 0.006 min
Lab File: VY012477.D
Acq: 03 Feb 2023 15:13

Tgt Ion: 84 Resp: 9690
Ion Ratio Lower Upper
84 100
49 88.1 95.4 143.2#
51 29.9 29.9 44.9#
86 58.8 49.6 74.4





#29

Tetrahydrofuran

Concen: 1.406 ug/l

RT: 7.344 min Scan# 906

Delta R.T. -0.000 min

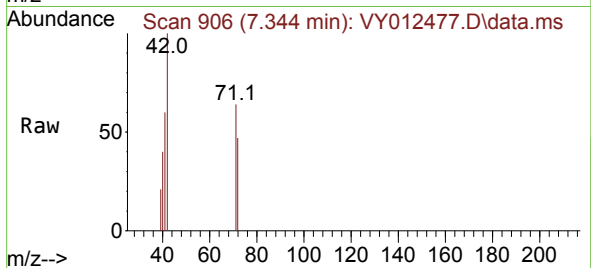
Lab File: VY012477.D

Acq: 03 Feb 2023 15:13

Instrument :

MSVOA_Y

ClientSampleId :



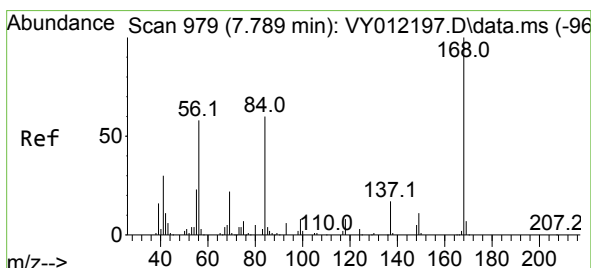
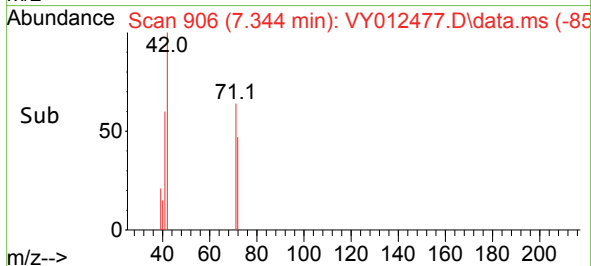
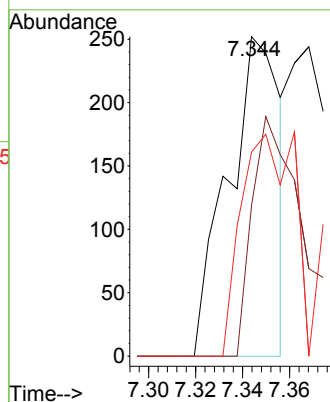
Tgt Ion: 42 Resp: 388

Ion Ratio Lower Upper

42 100

72 69.6 37.0 55.6#

71 87.6 34.9 52.3#



#31

Cyclohexane

Concen: 1.237 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY012477.D

Acq: 03 Feb 2023 15:13

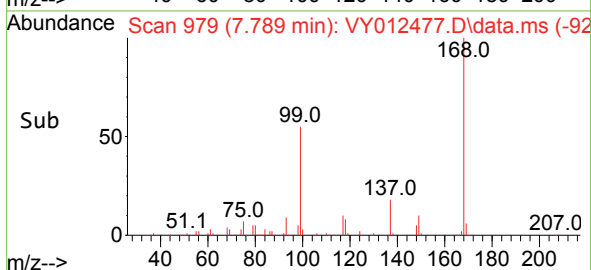
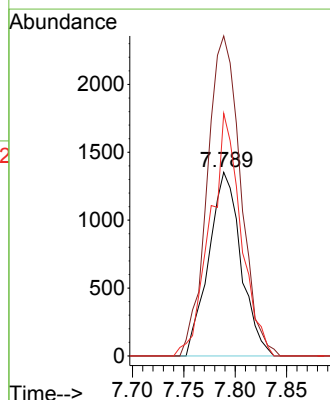
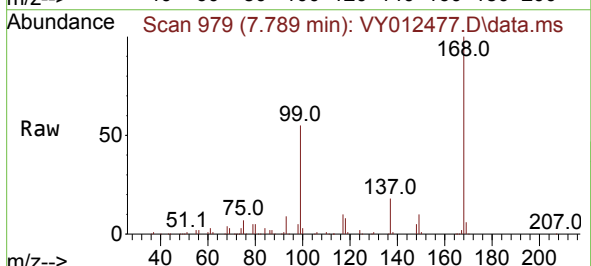
Tgt Ion: 56 Resp: 2949

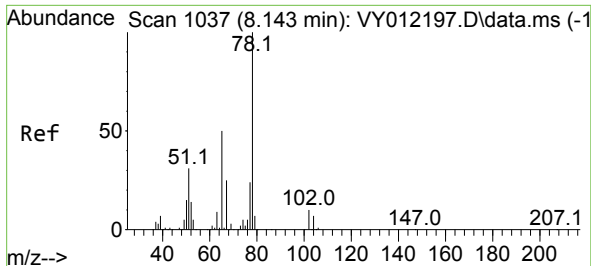
Ion Ratio Lower Upper

56 100

69 174.2 29.2 43.8#

84 132.1 72.6 108.8#

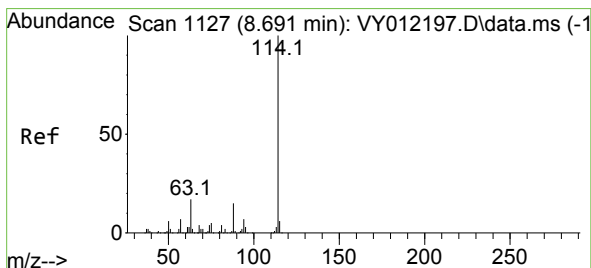
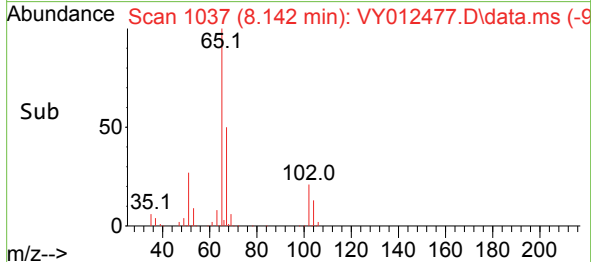
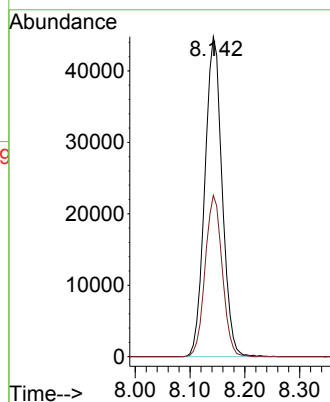
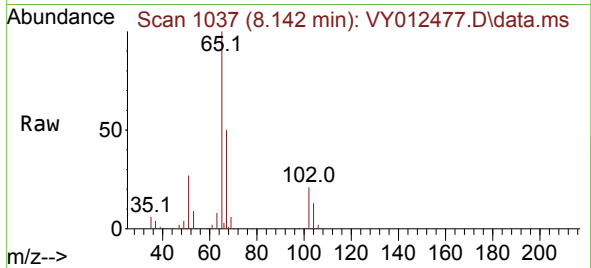




#33
 1,2-Dichloroethane-d4
 Concen: 74.221 ug/l
 RT: 8.142 min Scan# 1037
 Delta R.T. -0.001 min
 Lab File: VY012477.D
 Acq: 03 Feb 2023 15:13

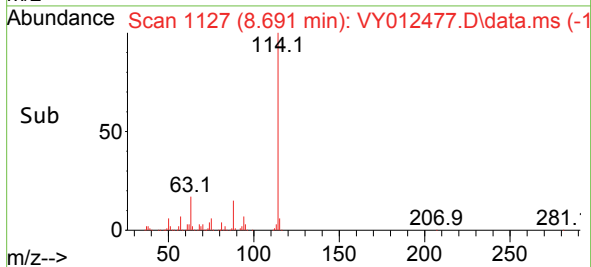
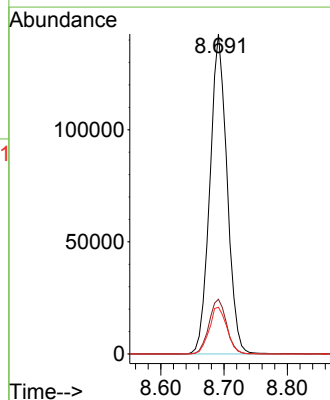
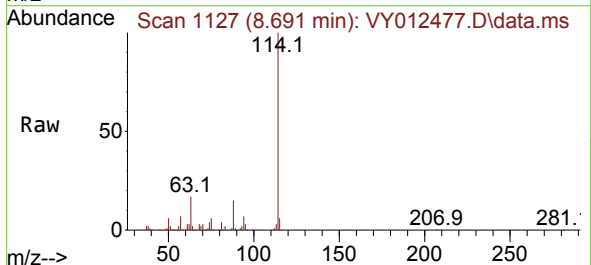
Instrument :
 MSVOA_Y
 ClientSampleId :

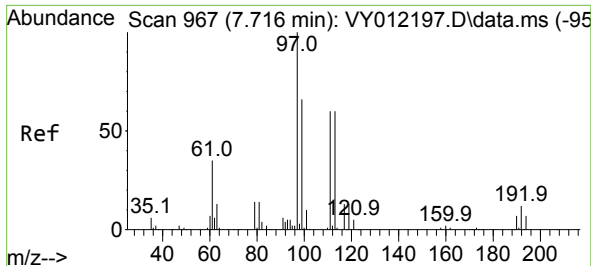
Tgt Ion: 65 Resp: 97976
 Ion Ratio Lower Upper
 65 100
 67 49.8 0.0 103.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.691 min Scan# 1127
 Delta R.T. 0.000 min
 Lab File: VY012477.D
 Acq: 03 Feb 2023 15:13

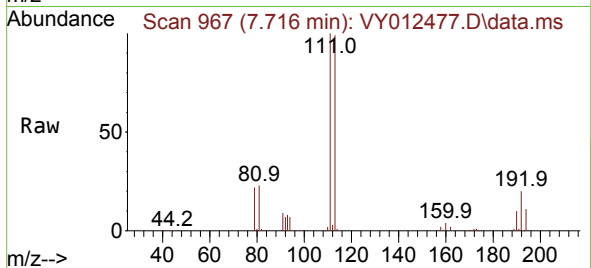
Tgt Ion:114 Resp: 269370
 Ion Ratio Lower Upper
 114 100
 63 17.1 0.0 39.6
 88 14.6 0.0 32.2



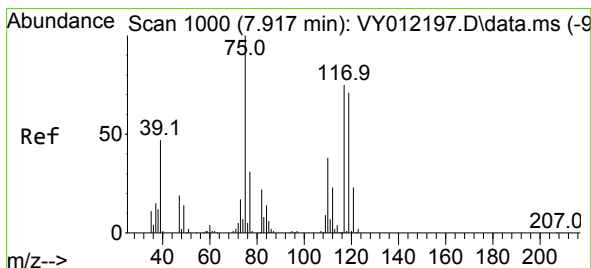
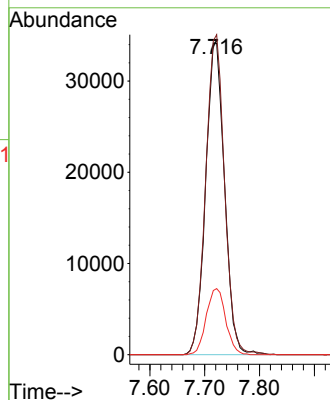
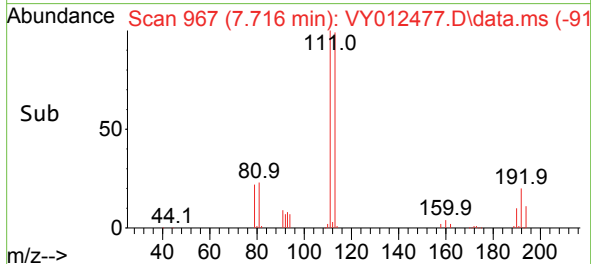


#35
Dibromofluoromethane
Concen: 57.131 ug/l
RT: 7.716 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012477.D
Acq: 03 Feb 2023 15:13

Instrument :
MSVOA_Y
ClientSampleId :

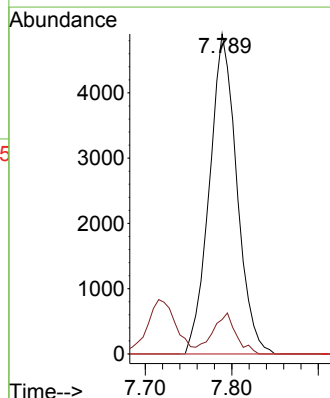
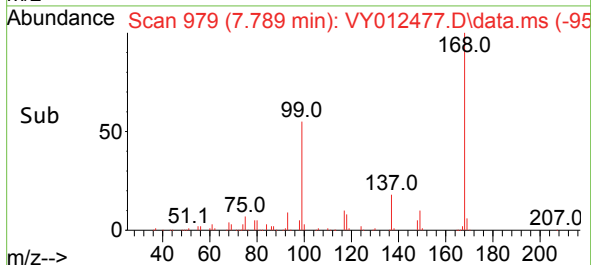
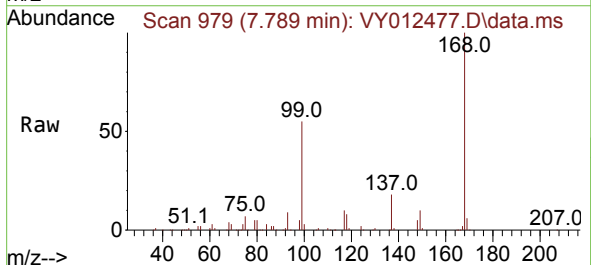


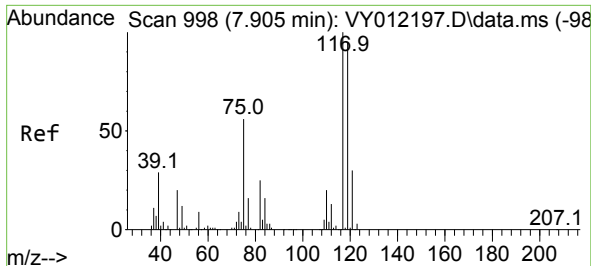
Tgt Ion:113 Resp: 81487
Ion Ratio Lower Upper
113 100
111 102.5 83.0 124.4
192 21.8 16.0 24.0



#36
1,1-Dichloropropene
Concen: 4.444 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY012477.D
Acq: 03 Feb 2023 15:13

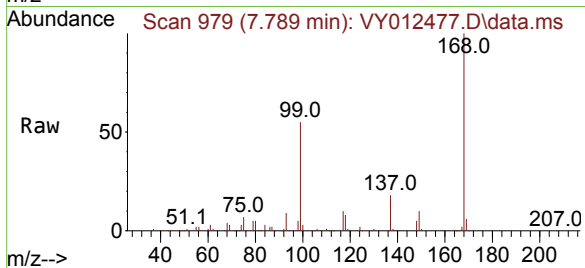
Tgt Ion: 75 Resp: 10773
Ion Ratio Lower Upper
75 100
110 10.9 18.1 54.1#
77 0.0 25.1 37.7#



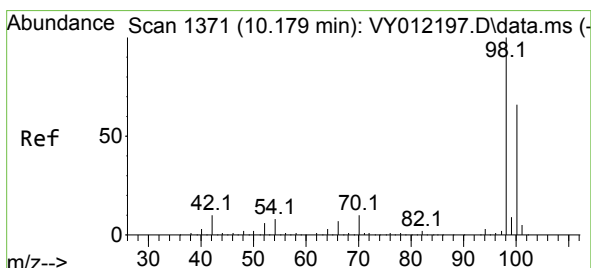
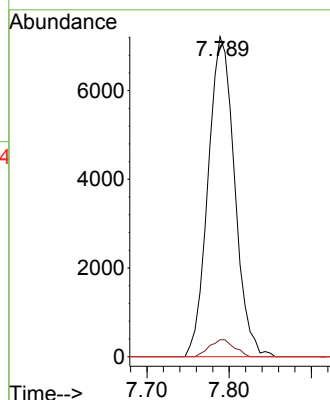
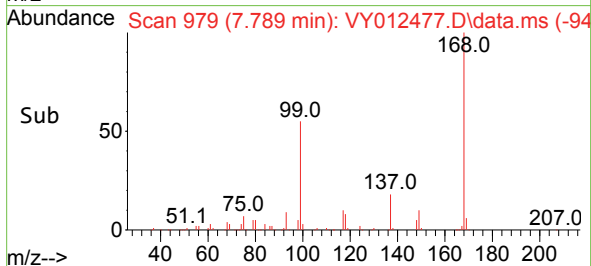


#38
Carbon Tetrachloride
Concen: 5.171 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY012477.D
Acq: 03 Feb 2023 15:13

Instrument :
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ClientSampleId :

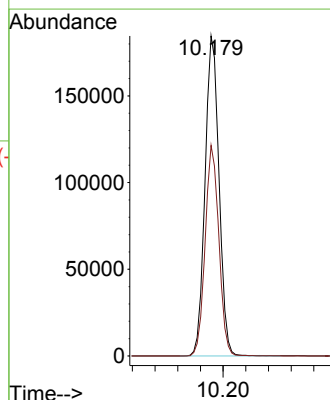
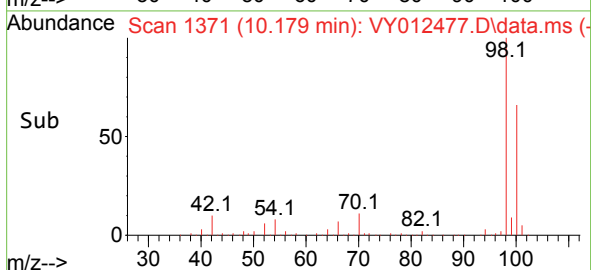
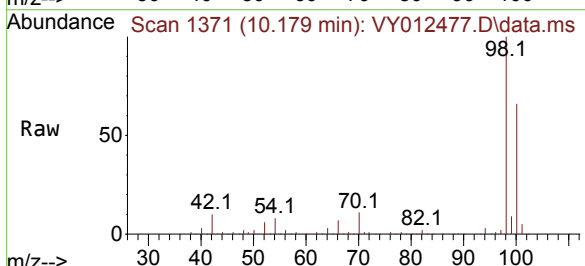


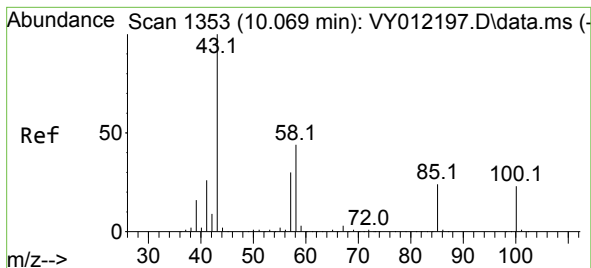
Tgt Ion:117 Resp: 16190
Ion Ratio Lower Upper
117 100
119 5.3 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 65.272 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012477.D
Acq: 03 Feb 2023 15:13

Tgt Ion: 98 Resp: 316030
Ion Ratio Lower Upper
98 100
100 64.5 51.9 77.9

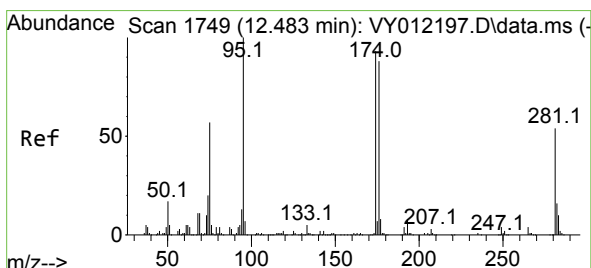
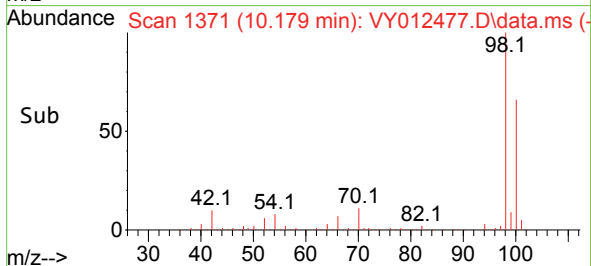
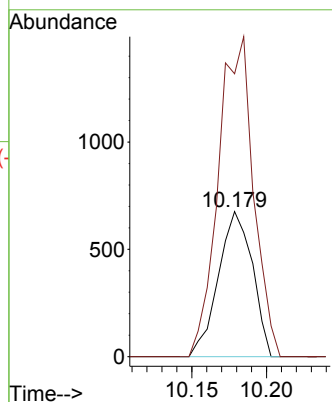
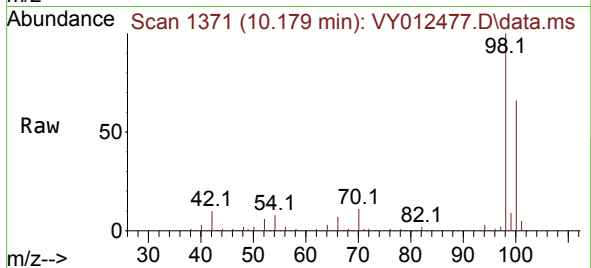




#51
4-Methyl-2-Pentanone
Concen: 1.009 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.110 min
Lab File: VY012477.D
Acq: 03 Feb 2023 15:13

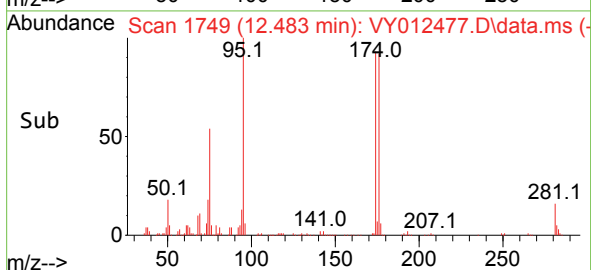
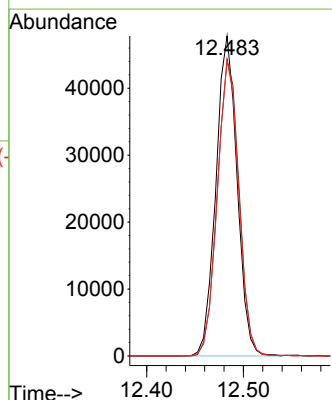
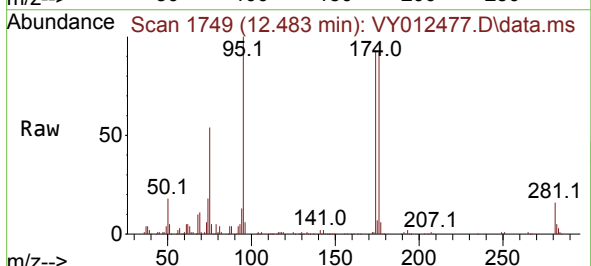
Instrument :
MSVOA_Y
ClientSampleId :

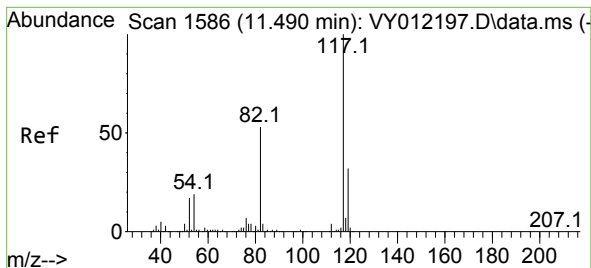
Tgt Ion: 43 Resp: 1070
Ion Ratio Lower Upper
43 100
58 227.8 32.9 49.3#



#62
4-Bromofluorobenzene
Concen: 36.152 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012477.D
Acq: 03 Feb 2023 15:13

Tgt Ion: 95 Resp: 72690
Ion Ratio Lower Upper
95 100
174 95.1 0.0 172.0
176 93.2 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. -0.001 min

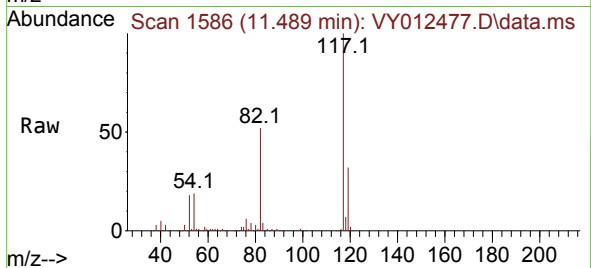
Lab File: VY012477.D

Acq: 03 Feb 2023 15:13

Instrument :

MSVOA_Y

ClientSampleId :



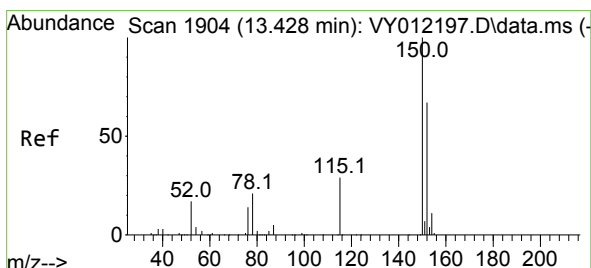
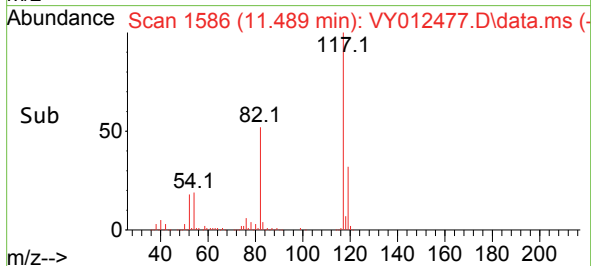
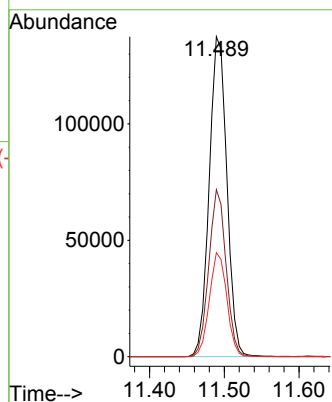
Tgt Ion:117 Resp: 225586

Ion Ratio Lower Upper

117 100

82 52.2 44.8 67.2

119 32.5 25.4 38.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY012477.D

Acq: 03 Feb 2023 15:13

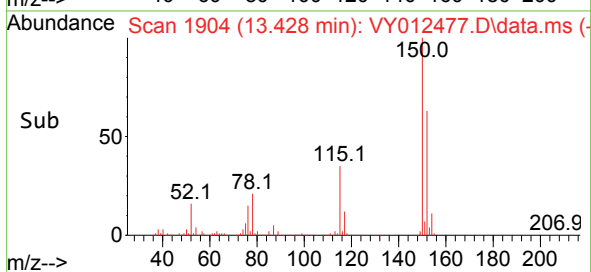
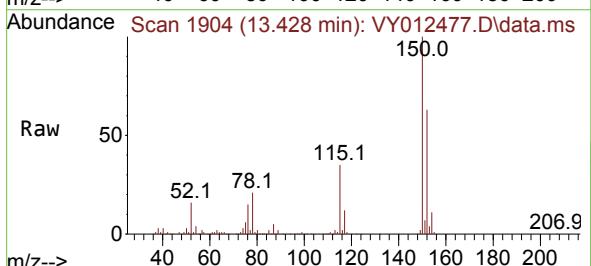
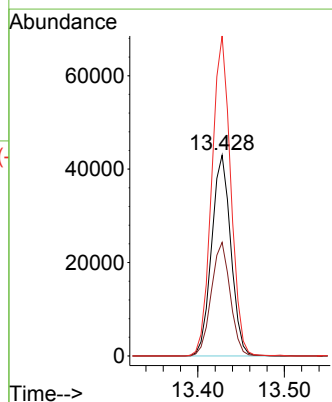
Tgt Ion:152 Resp: 66275

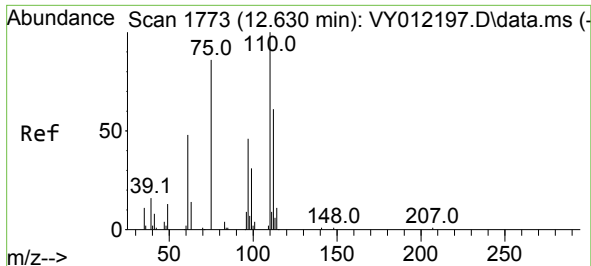
Ion Ratio Lower Upper

152 100

115 55.8 29.1 87.3

150 157.0 0.0 342.6

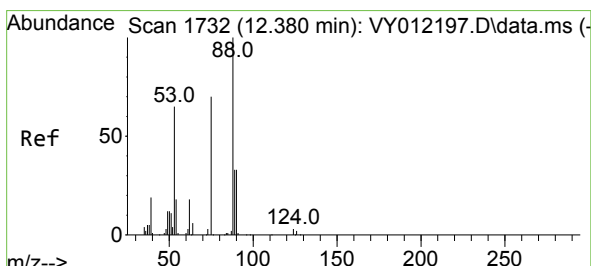
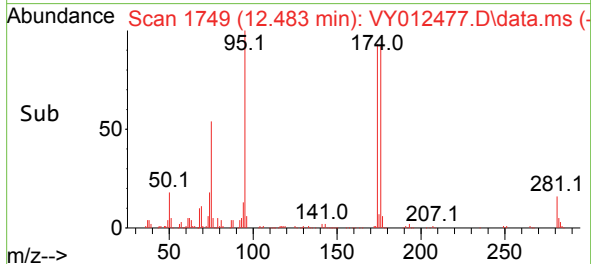
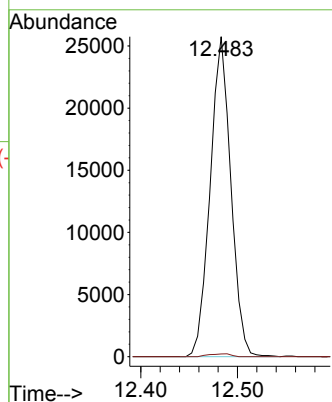
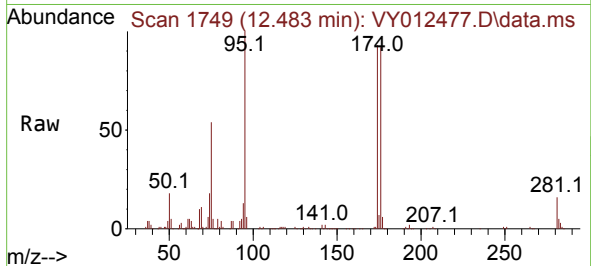




#76
1,2,3-Trichloropropane
Concen: 62.874 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.147 min
Lab File: VY012477.D
Acq: 03 Feb 2023 15:13

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 38317
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 129.549 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.109 min
Lab File: VY012477.D
Acq: 03 Feb 2023 15:13

Tgt Ion: 75 Resp: 38317
Ion Ratio Lower Upper
75 100
53 0.0 72.5 108.7#
89 0.1 37.0 55.4#

