

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030823\
 Data File : VY012883.D
 Acq On : 08 Mar 2023 19:57
 Operator : KP/MD
 Sample : 01829-13
 Misc : 5.26g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SS-11-20230306

Quant Time: Mar 09 00:40:20 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 03 01:13:13 2023
 Response via : Initial Calibration

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

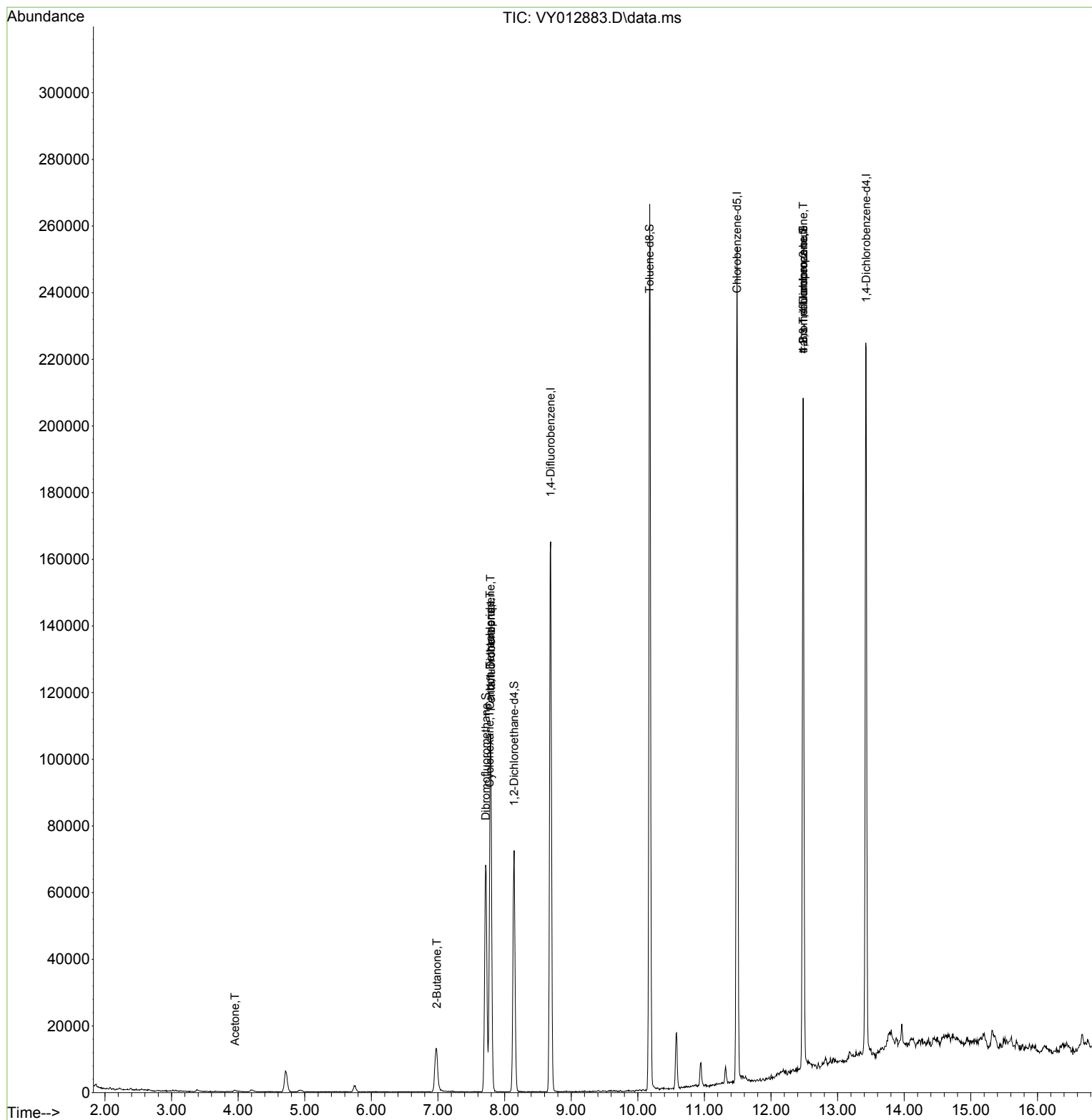
Internal Standards						
1) Pentafluorobenzene	7.795	168	84937	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	142325	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	131100	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	55035	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	55012	65.233	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163		Recovery	= 130.460%	
35) Dibromofluoromethane	7.716	113	47411	55.198	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147		Recovery	= 110.400%	
50) Toluene-d8	10.179	98	170699	54.361	ug/l	0.00
Spiked Amount	50.000	Range 49 - 140		Recovery	= 108.720%	
62) 4-Bromofluorobenzene	12.483	95	53217	50.212	ug/l	0.00
Spiked Amount	50.000	Range 25 - 144		Recovery	= 100.420%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.942	59	827	Below Cal	#	74
16) Acetone	3.954	43	923	2.788	ug/l #	75
20) Methylene Chloride	4.716	84	4651	Below Cal	#	89
25) 2-Butanone	6.984	43	823	2.007	ug/l #	49
31) Cyclohexane	7.777	56	1764	1.092	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	6598	4.584	ug/l #	49
38) Carbon Tetrachloride	7.783	117	8354	5.620	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	29605	45.047	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	29605	93.338	ug/l #	13

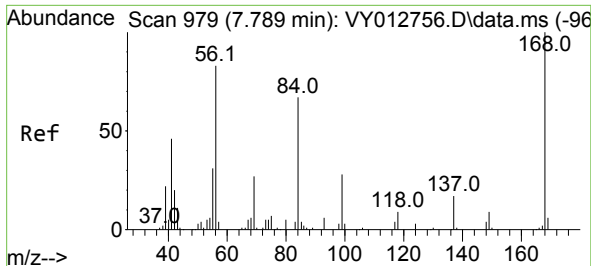
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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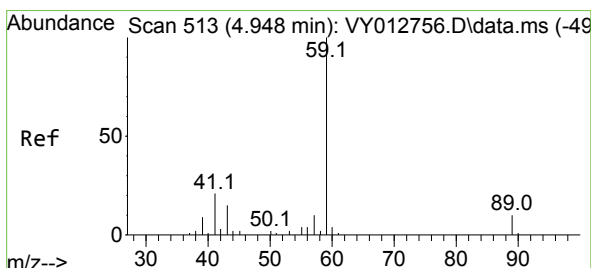
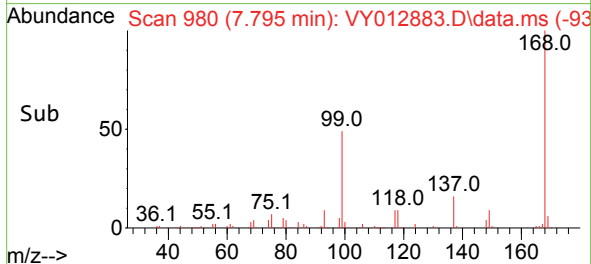
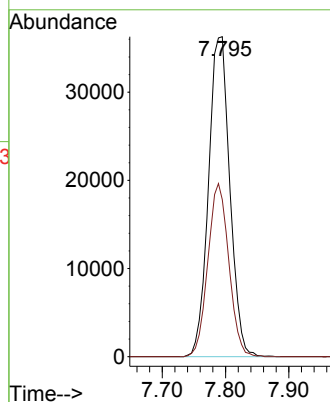
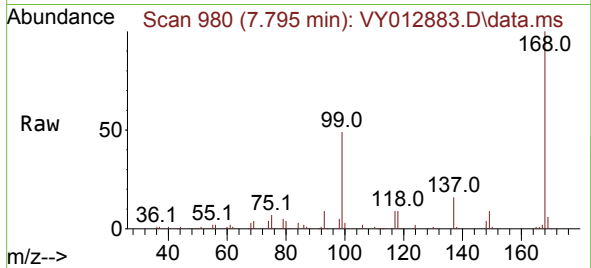




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY012883.D
Acq: 08 Mar 2023 19:57

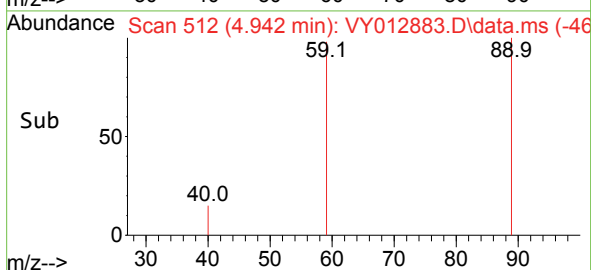
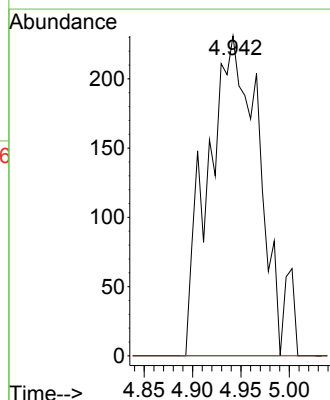
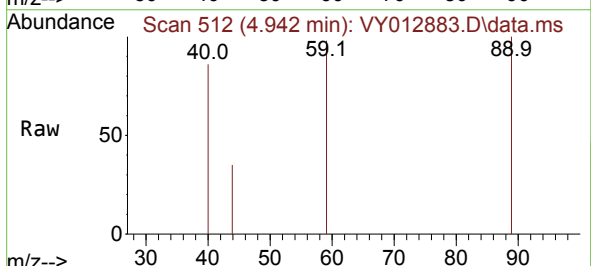
Instrument :
MSVOA_Y
ClientSampleId :
SS-11-20230306

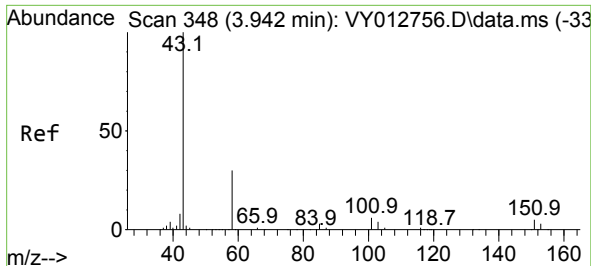
Tgt Ion:168 Resp: 84937
Ion Ratio Lower Upper
168 100
99 49.1 41.7 62.5



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.942 min Scan# 512
Delta R.T. -0.006 min
Lab File: VY012883.D
Acq: 08 Mar 2023 19:57

Tgt Ion: 59 Resp: 827
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#

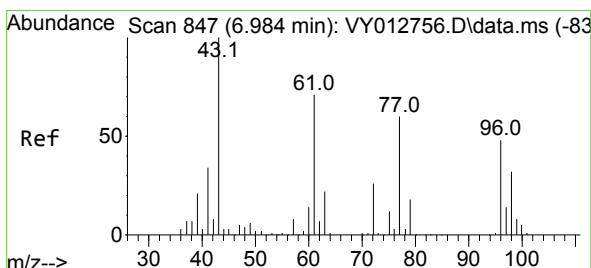
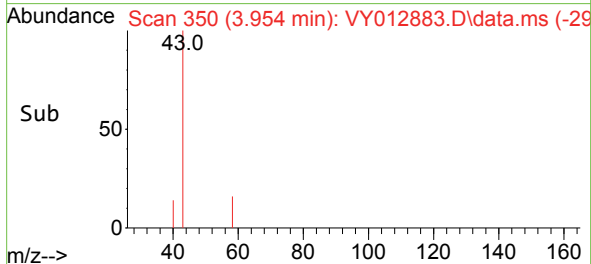
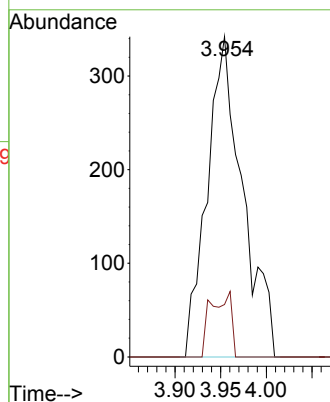
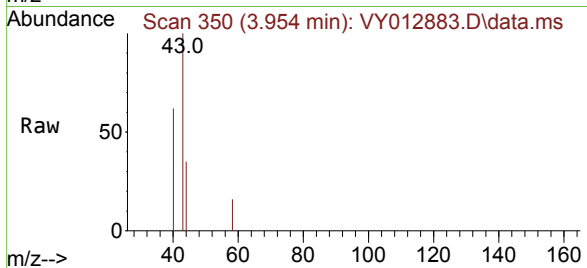




#16
Acetone
Concen: 2.788 ug/l
RT: 3.954 min Scan# 31
Delta R.T. 0.012 min
Lab File: VY012883.D
Acq: 08 Mar 2023 19:57

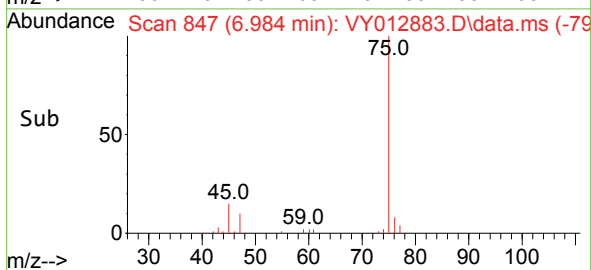
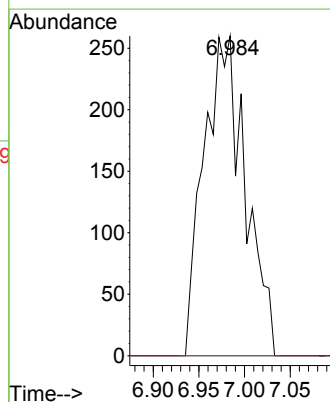
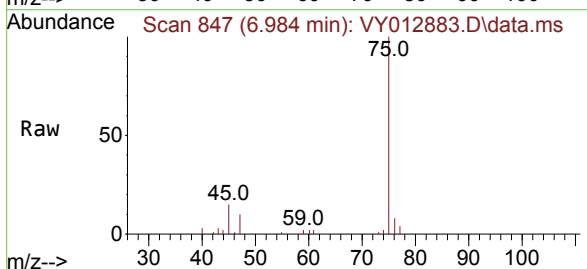
Instrument :
MSVOA_Y
ClientSampleId :
SS-11-20230306

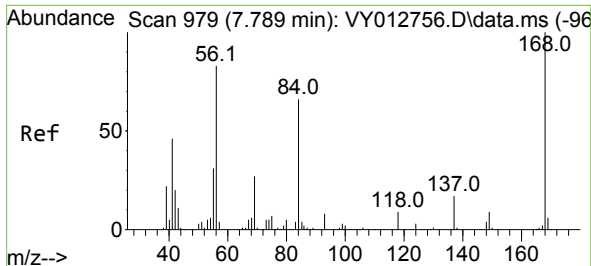
Tgt Ion: 43 Resp: 923
Ion Ratio Lower Upper
43 100
58 16.4 24.2 36.2#



#25
2-Butanone
Concen: 2.007 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY012883.D
Acq: 08 Mar 2023 19:57

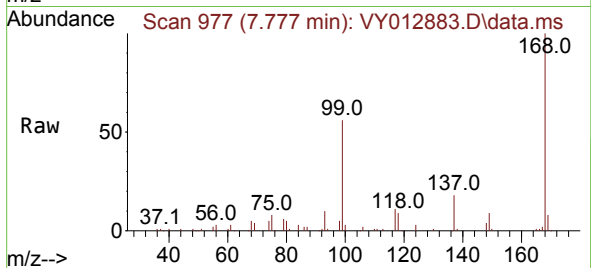
Tgt Ion: 43 Resp: 823
Ion Ratio Lower Upper
43 100
72 0.0 21.0 31.4#



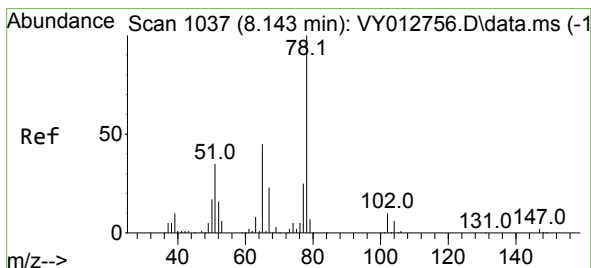
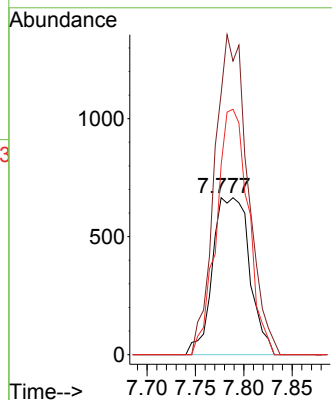
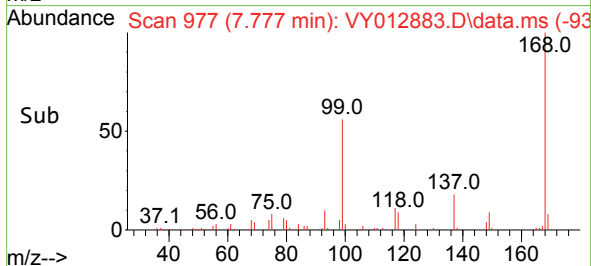


#31
Cyclohexane
Concen: 1.092 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY012883.D
Acq: 08 Mar 2023 19:57

Instrument :
MSVOA_Y
ClientSampleId :
SS-11-20230306

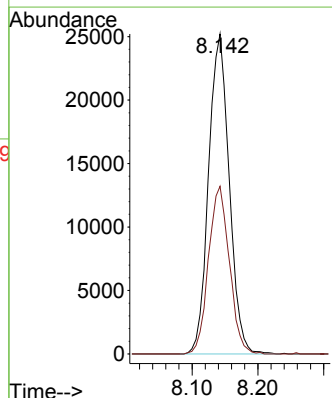
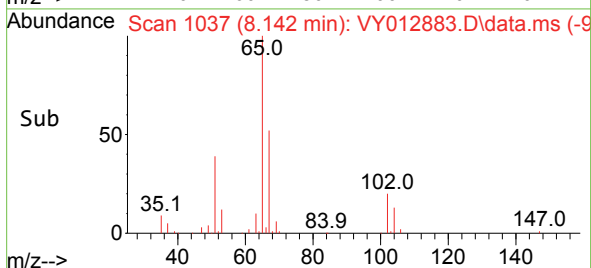
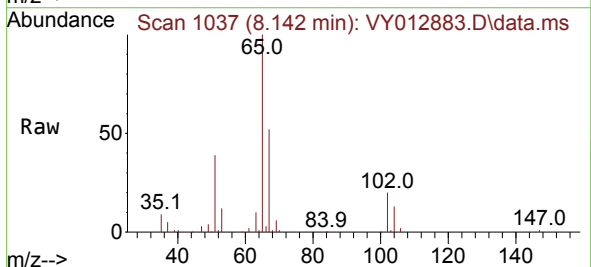


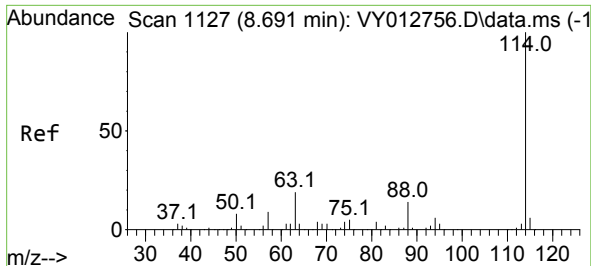
Tgt Ion: 56 Resp: 1764
Ion Ratio Lower Upper
56 100
69 166.6 25.7 38.5#
84 120.9 64.3 96.5#



#33
1,2-Dichloroethane-d4
Concen: 65.233 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY012883.D
Acq: 08 Mar 2023 19:57

Tgt Ion: 65 Resp: 55012
Ion Ratio Lower Upper
65 100
67 53.0 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY012883.D

Acq: 08 Mar 2023 19:57

Instrument :

MSVOA_Y

ClientSampleId :

SS-11-20230306

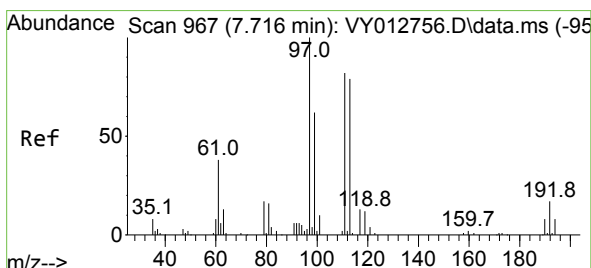
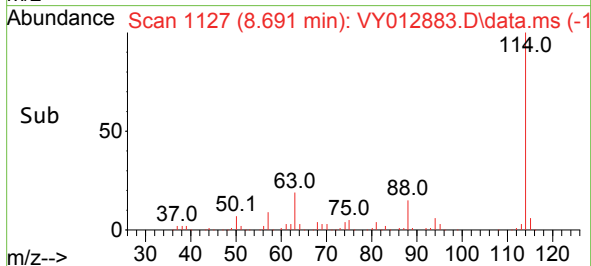
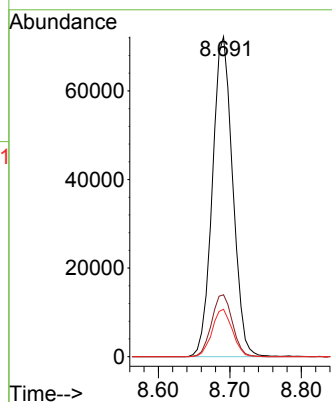
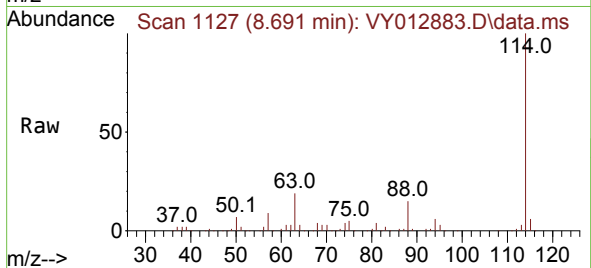
Tgt Ion:114 Resp: 142325

Ion Ratio Lower Upper

114 100

63 19.4 0.0 37.4

88 14.8 0.0 28.6



#35

Dibromofluoromethane

Concen: 55.198 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY012883.D

Acq: 08 Mar 2023 19:57

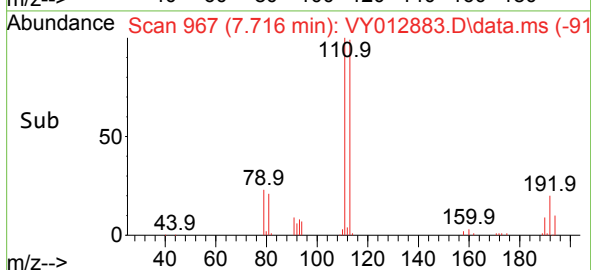
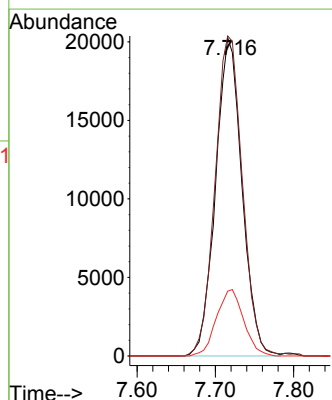
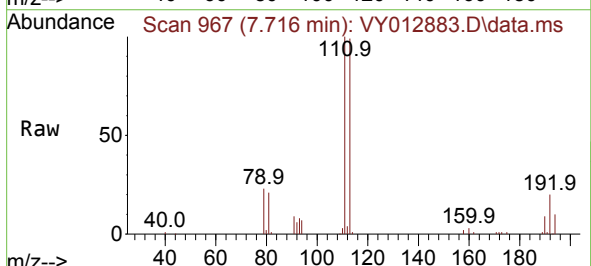
Tgt Ion:113 Resp: 47411

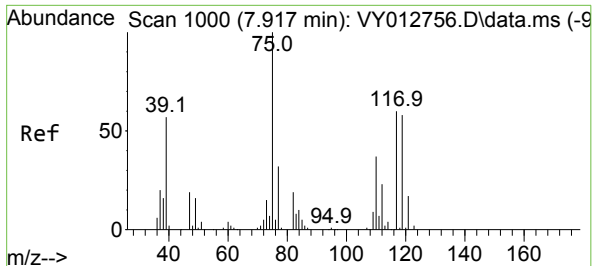
Ion Ratio Lower Upper

113 100

111 104.3 82.2 123.2

192 21.5 16.8 25.2





#36

1,1-Dichloropropene

Concen: 4.584 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY012883.D

Acq: 08 Mar 2023 19:57

Instrument :

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ClientSampleId :

SS-11-20230306

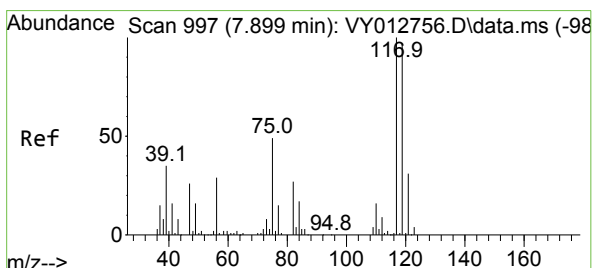
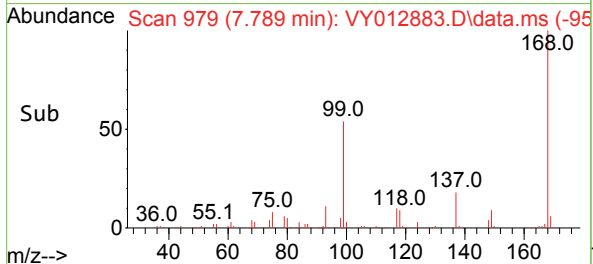
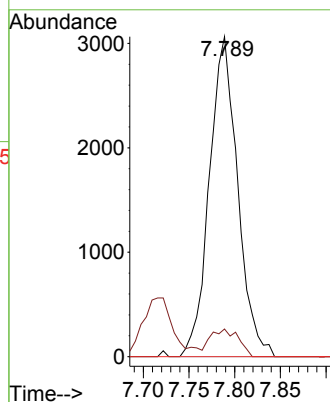
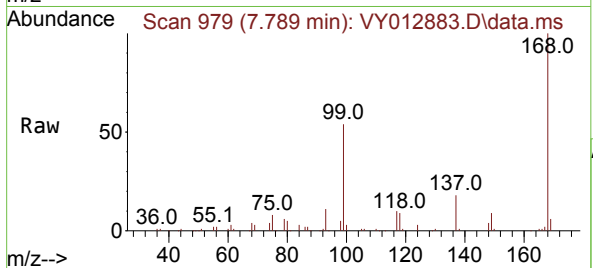
Tgt Ion: 75 Resp: 6598

Ion Ratio Lower Upper

75 100

110 8.4 17.8 53.3#

77 0.0 25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.620 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY012883.D

Acq: 08 Mar 2023 19:57

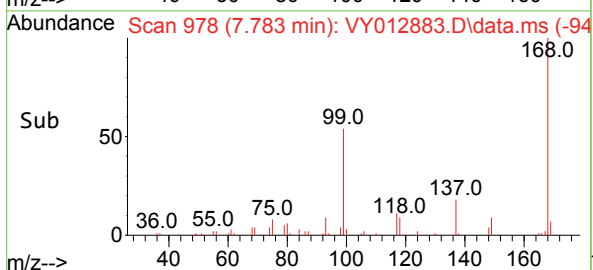
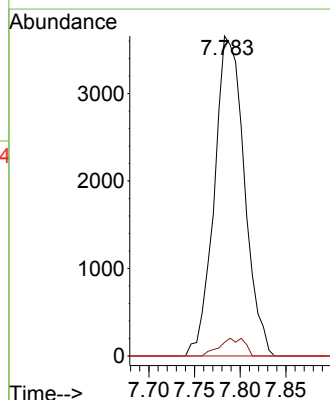
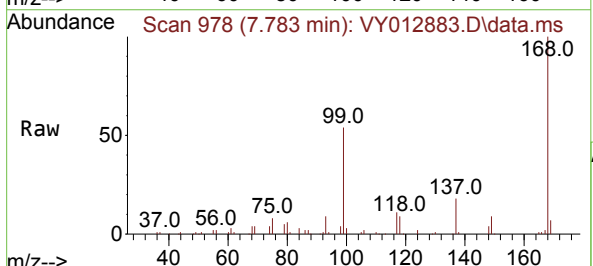
Tgt Ion: 117 Resp: 8354

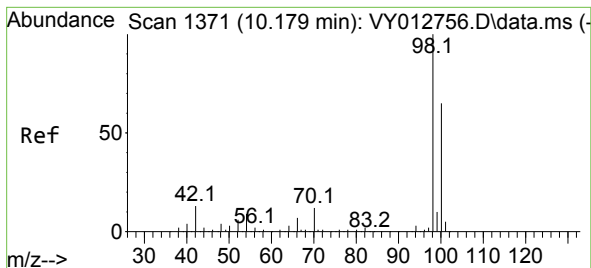
Ion Ratio Lower Upper

117 100

119 4.2 77.2 115.8#

121 0.0 24.7 37.1#





#50

Toluene-d8

Concen: 54.361 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY012883.D

Acq: 08 Mar 2023 19:57

Instrument :

MSVOA_Y

ClientSampleId :

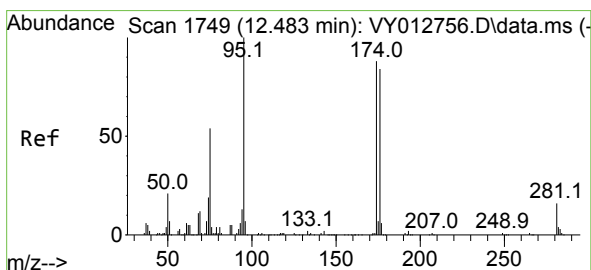
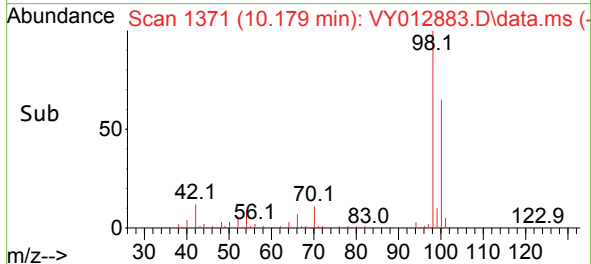
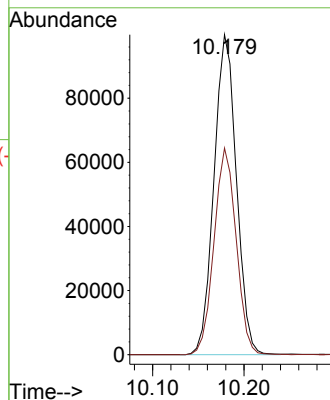
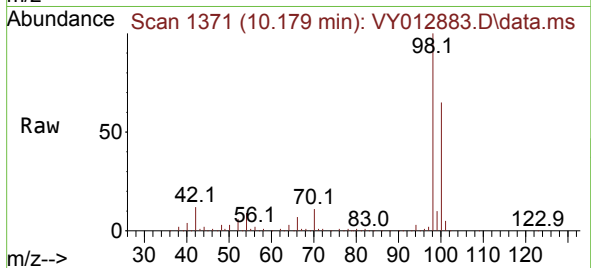
SS-11-20230306

Tgt Ion: 98 Resp: 170699

Ion Ratio Lower Upper

98 100

100 63.7 50.9 76.3



#62

4-Bromofluorobenzene

Concen: 50.212 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VY012883.D

Acq: 08 Mar 2023 19:57

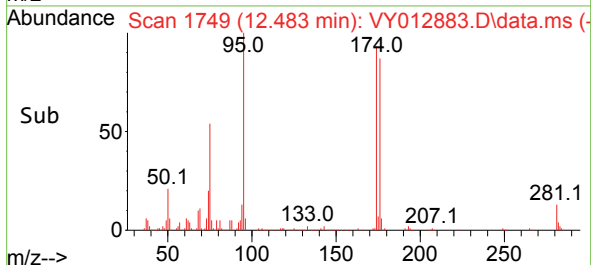
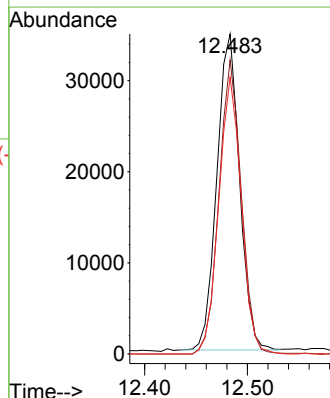
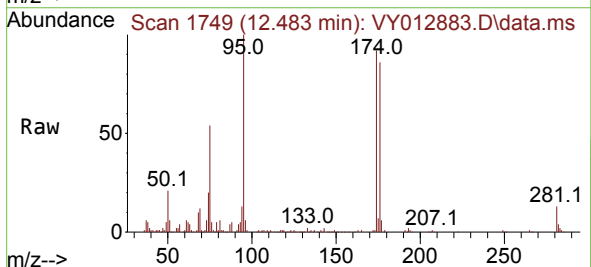
Tgt Ion: 95 Resp: 53217

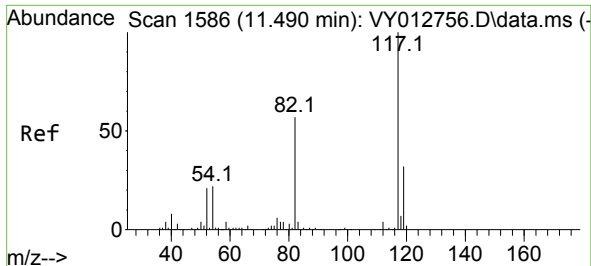
Ion Ratio Lower Upper

95 100

174 91.3 0.0 176.6

176 86.7 0.0 170.2

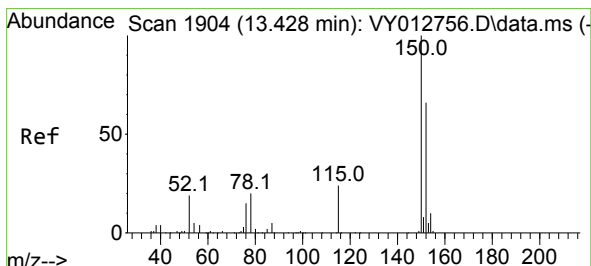
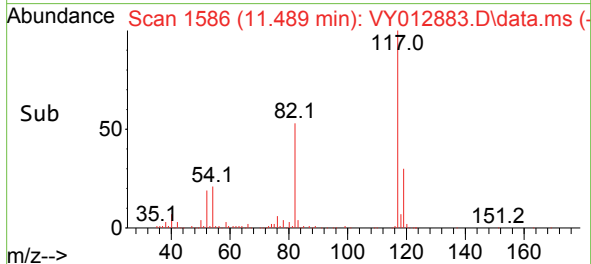
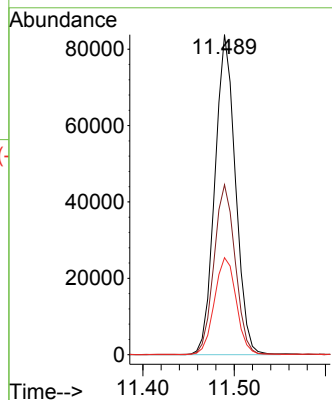
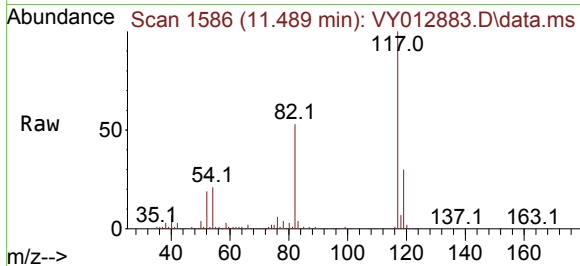




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY012883.D
Acq: 08 Mar 2023 19:57

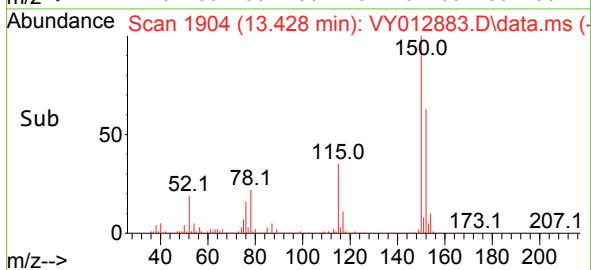
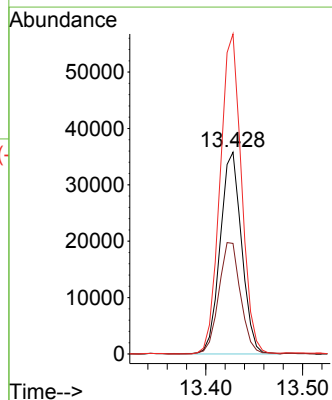
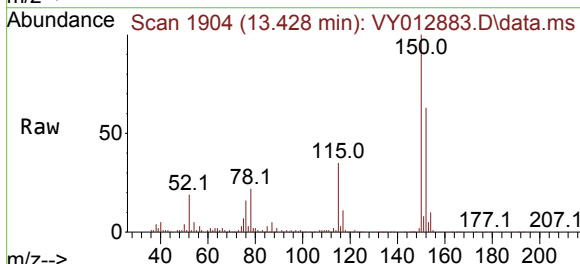
Instrument :
MSVOA_Y
ClientSampleId :
SS-11-20230306

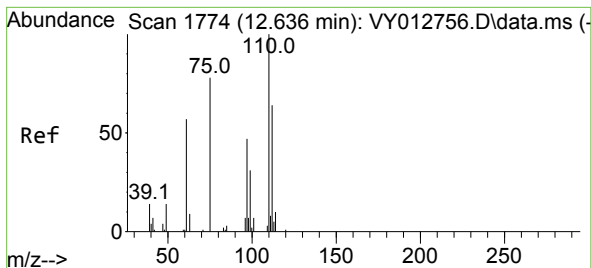
Tgt Ion:117 Resp: 131100
Ion Ratio Lower Upper
117 100
82 53.0 45.4 68.0
119 30.2 25.6 38.4



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY012883.D
Acq: 08 Mar 2023 19:57

Tgt Ion:152 Resp: 55035
Ion Ratio Lower Upper
152 100
115 56.3 27.1 81.3
150 158.6 0.0 347.8

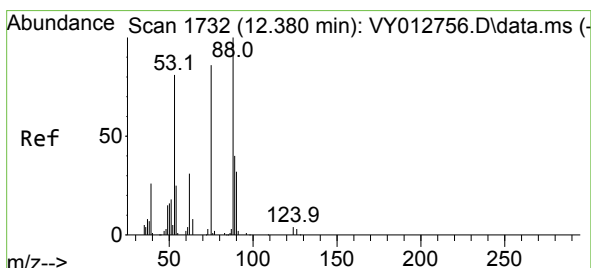
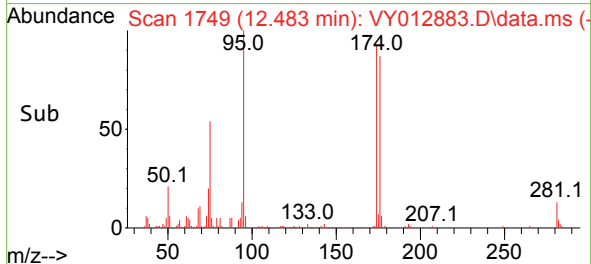
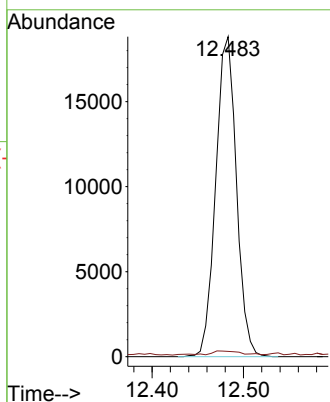
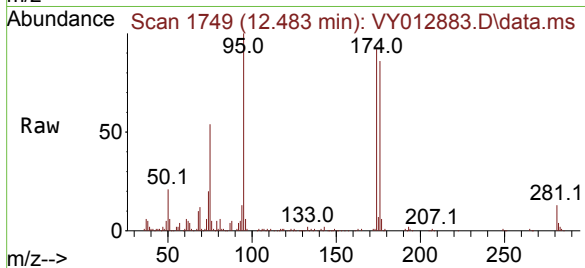




#76
1,2,3-Trichloropropane
Concen: 45.047 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY012883.D
Acq: 08 Mar 2023 19:57

Instrument :
MSVOA_Y
ClientSampleId :
SS-11-20230306

Tgt Ion: 75 Resp: 29605
Ion Ratio Lower Upper
75 100
77 1.5 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 93.338 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY012883.D
Acq: 08 Mar 2023 19:57

Tgt Ion: 75 Resp: 29605
Ion Ratio Lower Upper
75 100
53 0.0 73.4 110.0#
89 0.0 36.6 55.0#

