

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082322\
 Data File : VY010168.D
 Acq On : 23 Aug 2022 16:23
 Operator : KP/MD
 Sample : N4214-04
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 ETGI-357RE

Quant Time: Aug 24 04:33:34 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081922S.M
 Quant Title : SW846 8260
 QLast Update : Mon Aug 22 02:37:07 2022
 Response via : Initial Calibration

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

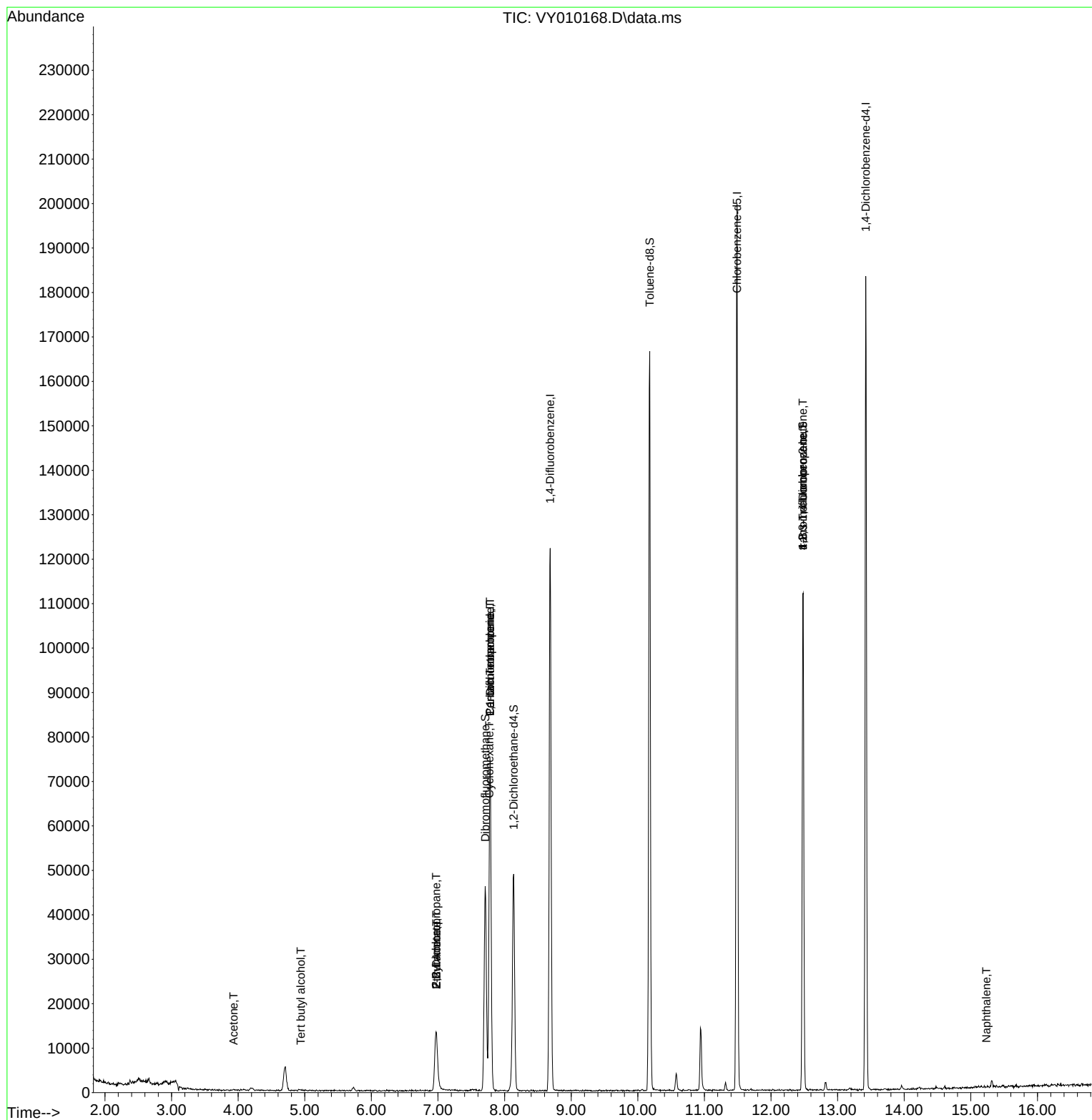
Internal Standards						
1) Pentafluorobenzene	7.783	168	60022	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	107039	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	110985	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	48521	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	36021	73.268	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 146.540%			
35) Dibromofluoromethane	7.710	113	33204	55.051	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.100%			
50) Toluene-d8	10.179	98	112887	49.949	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 99.900%			
62) 4-Bromofluorobenzene	12.477	95	35179	43.566	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 87.140%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.942	59	307	16.226	ug/l #	73
16) Acetone	3.930	43	233	1.894	ug/l #	40
20) Methylene Chloride	4.698	84	4091	Below Cal		92
25) 2-Butanone	6.978	43	689	3.481	ug/l #	46
26) 2,2-Dichloropropane	6.972	77	1103	1.190	ug/l #	50
31) Cyclohexane	7.771	56	1137	1.129	ug/l #	54
36) 1,1-Dichloropropene	7.783	75	4165	4.326	ug/l #	50
37) Ethyl Acetate	6.978	43	689	1.410	ug/l #	1
38) Carbon Tetrachloride	7.783	117	5843	5.787	ug/l #	18
76) 1,2,3-Trichloropropane	12.477	75	17587	38.703	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	17587	77.735	ug/l #	18
95) Naphthalene	15.233	128	239	4.007	ug/l #	69

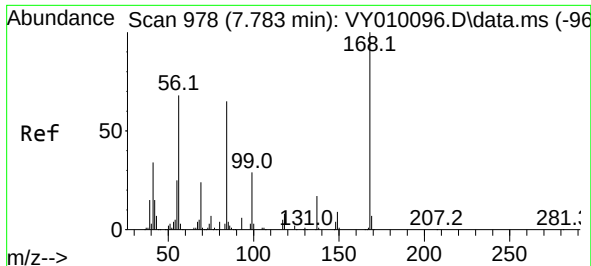
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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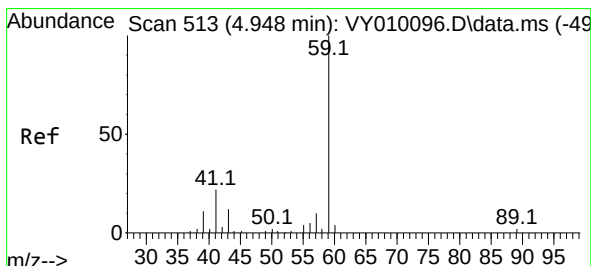
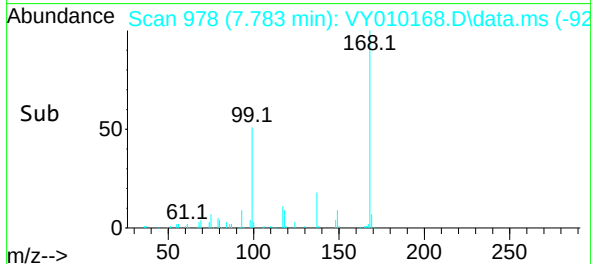
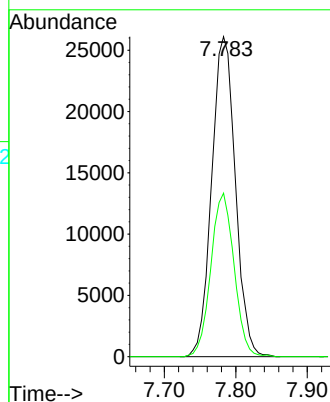
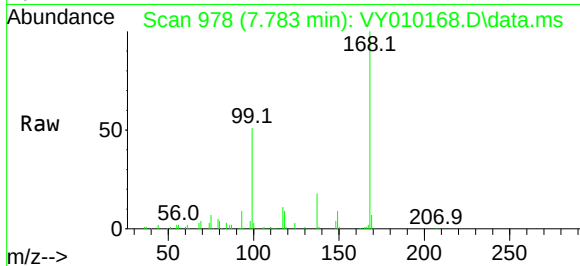




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010168.D
Acq: 23 Aug 2022 16:23

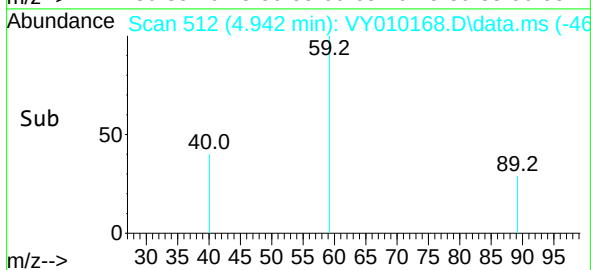
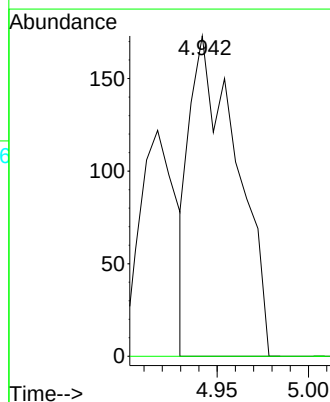
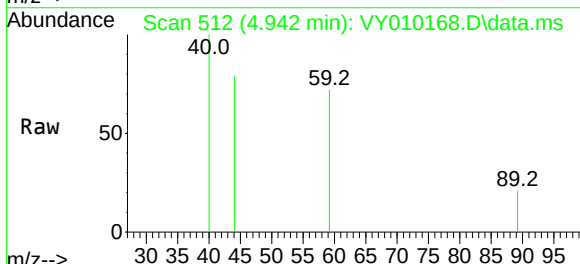
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-357RE

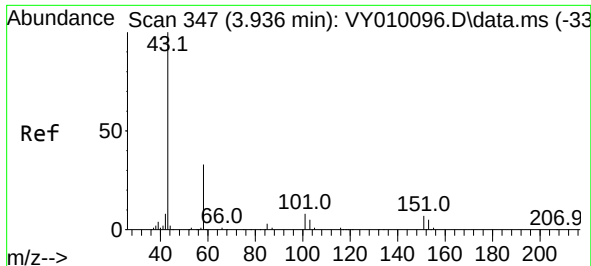
Tgt Ion:168 Resp: 60022
Ion Ratio Lower Upper
168 100
99 51.1 40.7 61.1



#11
Tert butyl alcohol
Concen: 16.226 ug/l
RT: 4.942 min Scan# 512
Delta R.T. -0.006 min
Lab File: VY010168.D
Acq: 23 Aug 2022 16:23

Tgt Ion: 59 Resp: 307
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

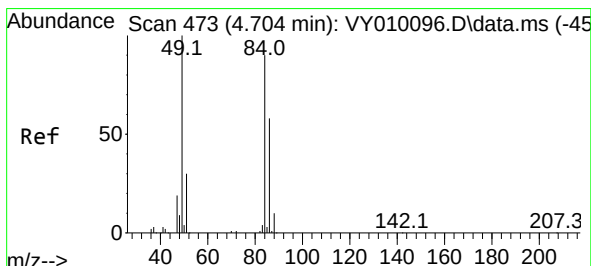
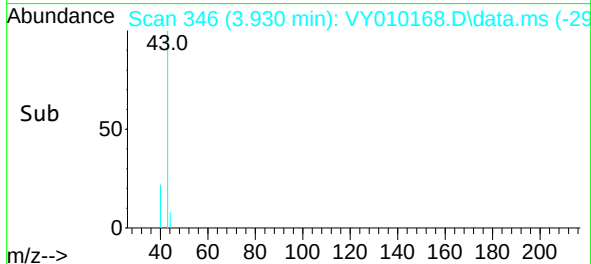
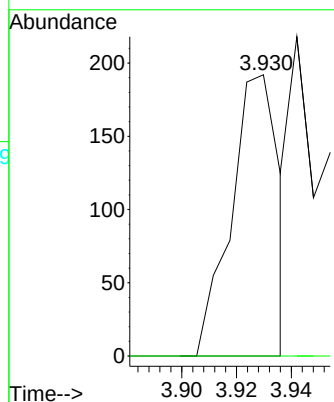
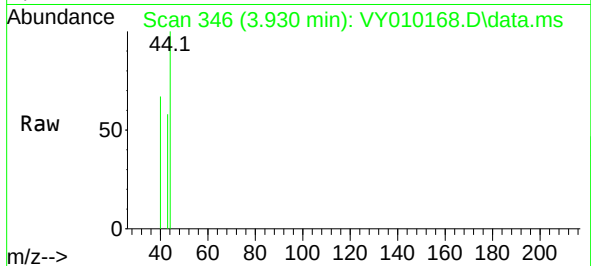




#16
Acetone
Concen: 1.894 ug/l
RT: 3.930 min Scan# 34
Delta R.T. -0.006 min
Lab File: VY010168.D
Acq: 23 Aug 2022 16:23

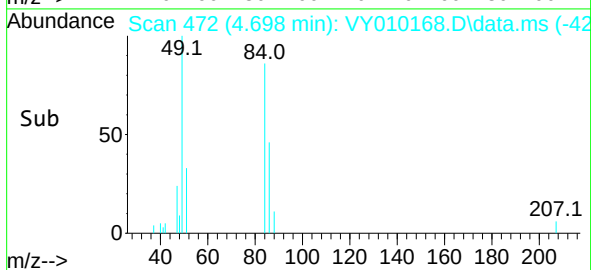
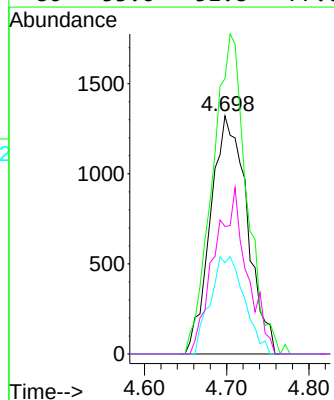
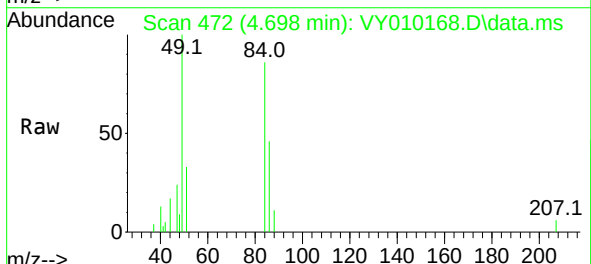
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-357RE

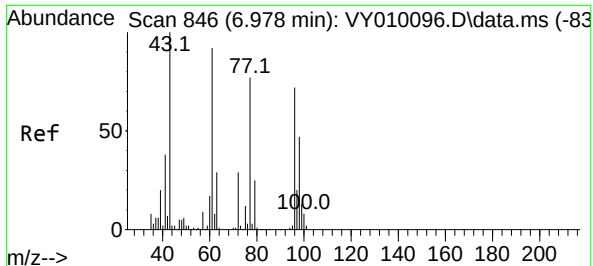
Tgt Ion: 43 Resp: 233
Ion Ratio Lower Upper
43 100
58 0.0 27.4 41.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.698 min Scan# 472
Delta R.T. -0.006 min
Lab File: VY010168.D
Acq: 23 Aug 2022 16:23

Tgt Ion: 84 Resp: 4091
Ion Ratio Lower Upper
84 100
49 115.7 89.0 133.4
51 38.3 27.0 40.6
86 53.6 51.8 77.6





#25

2-Butanone

Concen: 3.481 ug/l

RT: 6.978 min Scan# 846

Delta R.T. 0.000 min

Lab File: VY010168.D

Acq: 23 Aug 2022 16:23

Instrument :

MSVOA_Y

ClientSampleId :

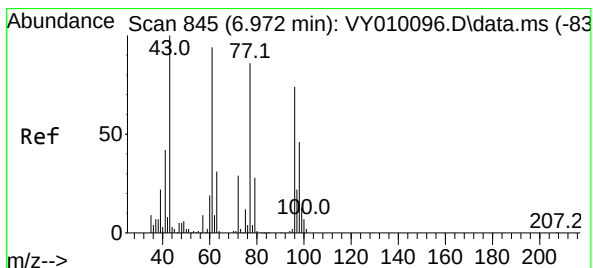
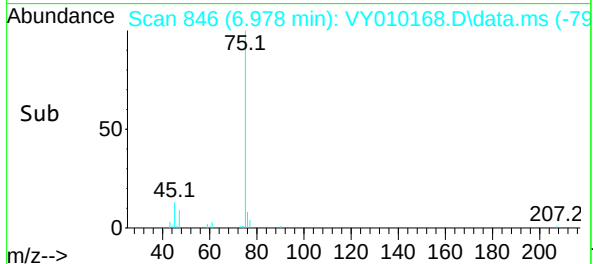
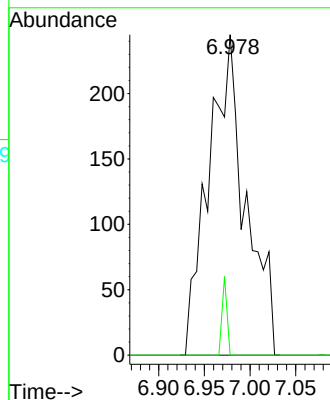
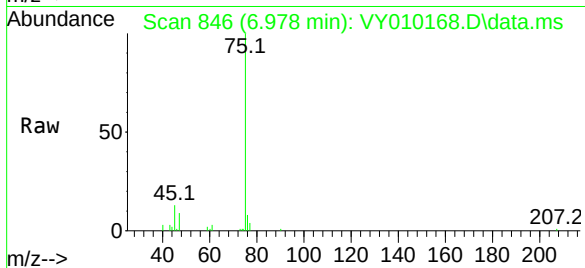
ETGI-357RE

Tgt Ion: 43 Resp: 689

Ion Ratio Lower Upper

43 100

72 0.0 23.2 34.8#



#26

2,2-Dichloropropane

Concen: 1.190 ug/l

RT: 6.972 min Scan# 845

Delta R.T. -0.000 min

Lab File: VY010168.D

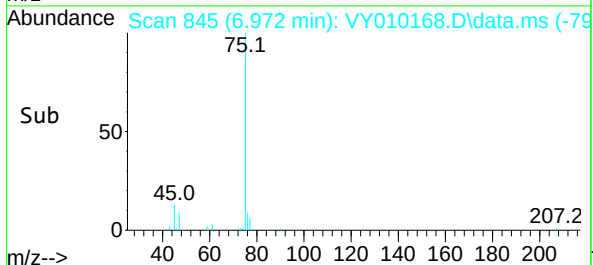
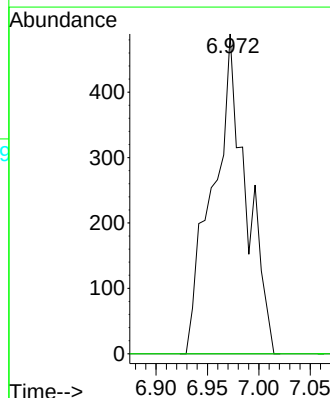
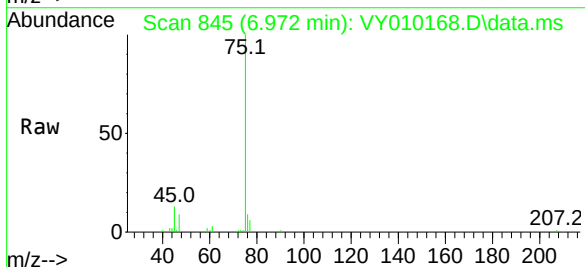
Acq: 23 Aug 2022 16:23

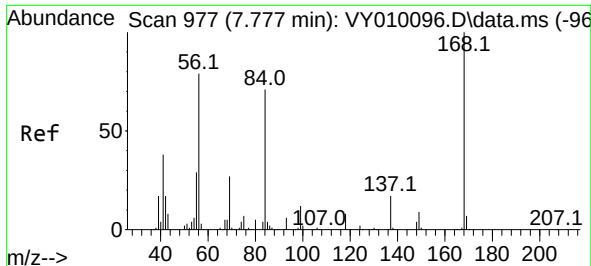
Tgt Ion: 77 Resp: 1103

Ion Ratio Lower Upper

77 100

97 0.0 12.4 37.4#

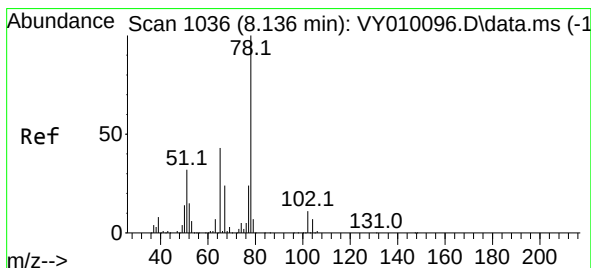
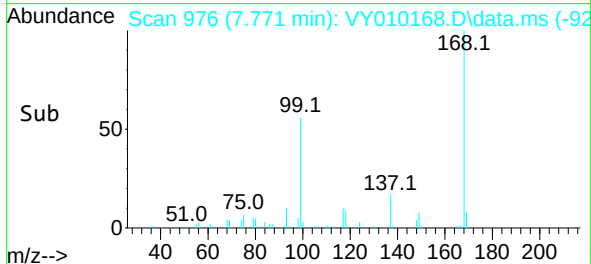
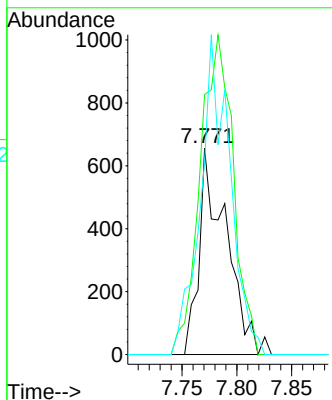
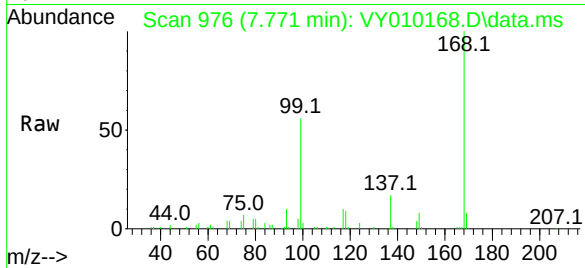




#31
Cyclohexane
Concen: 1.129 ug/l
RT: 7.771 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY010168.D
Acq: 23 Aug 2022 16:23

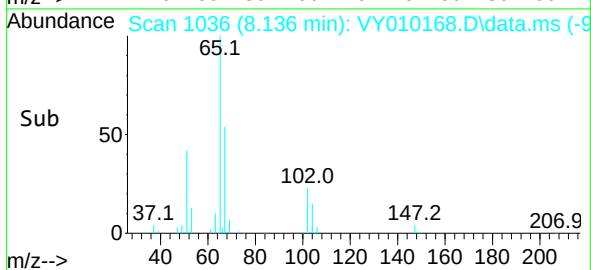
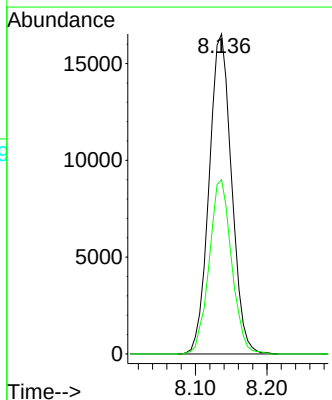
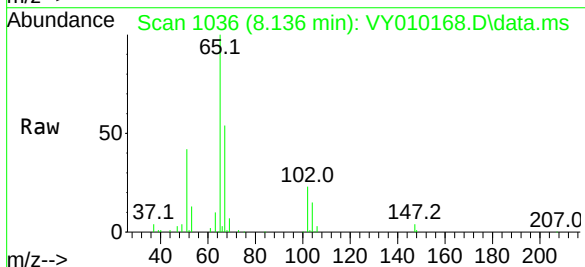
Instrument :
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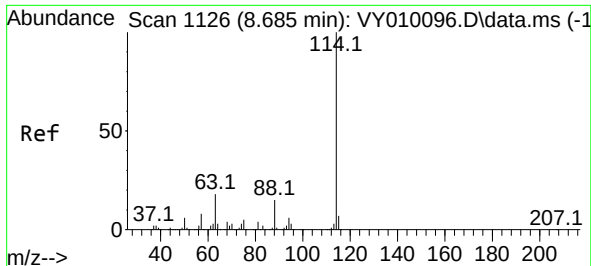
Tgt Ion: 56 Resp: 1137
Ion Ratio Lower Upper
56 100
69 126.1 27.3 40.9#
84 93.1 72.6 109.0



#33
1,2-Dichloroethane-d4
Concen: 73.268 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY010168.D
Acq: 23 Aug 2022 16:23

Tgt Ion: 65 Resp: 36021
Ion Ratio Lower Upper
65 100
67 54.4 0.0 110.6

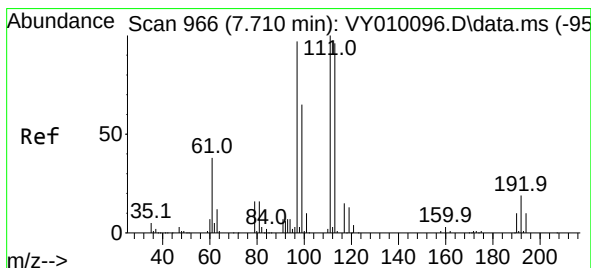
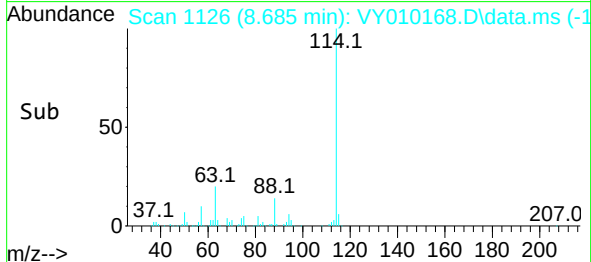
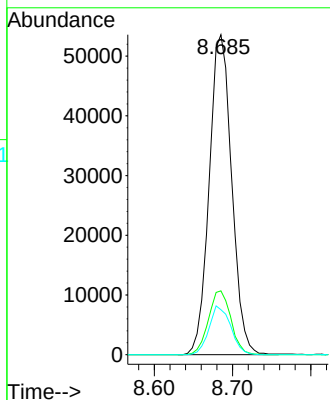
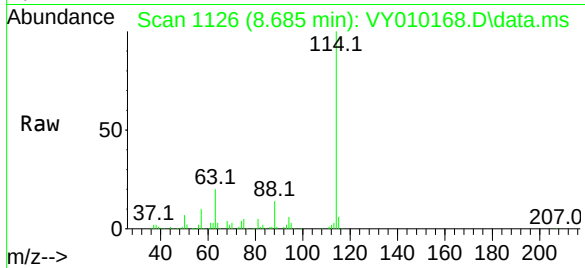




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VY010168.D
Acq: 23 Aug 2022 16:23

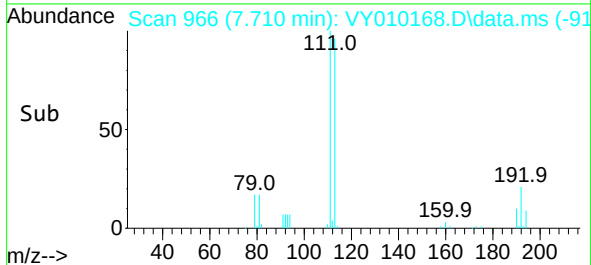
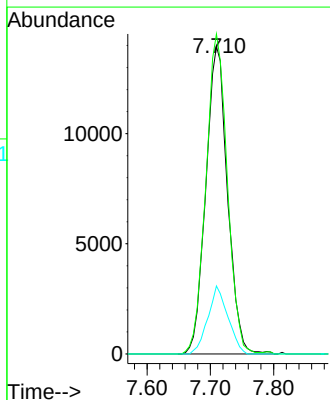
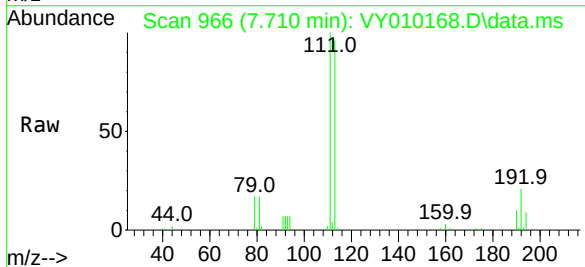
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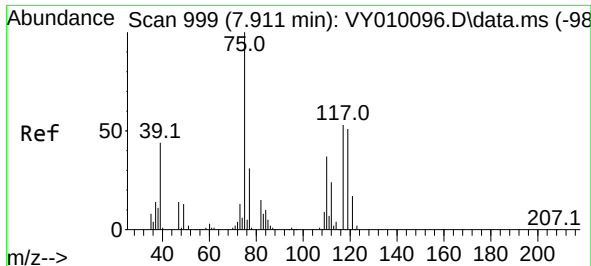
Tgt Ion:114 Resp: 107039
Ion Ratio Lower Upper
114 100
63 20.0 0.0 35.6
88 14.1 0.0 29.6



#35
Dibromofluoromethane
Concen: 55.051 ug/l
RT: 7.710 min Scan# 966
Delta R.T. -0.000 min
Lab File: VY010168.D
Acq: 23 Aug 2022 16:23

Tgt Ion:113 Resp: 33204
Ion Ratio Lower Upper
113 100
111 102.9 82.8 124.2
192 20.4 16.3 24.5

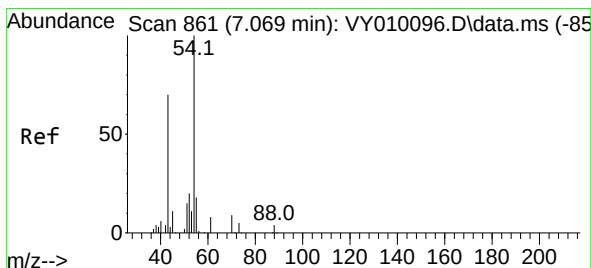
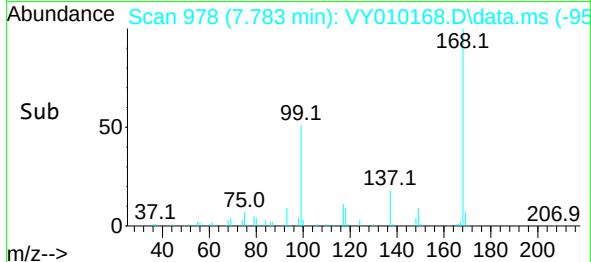
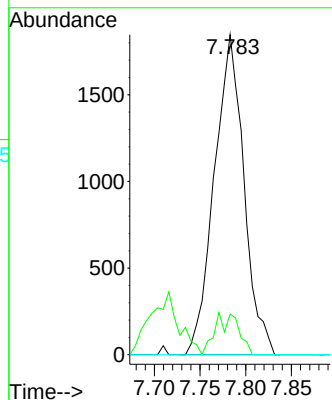
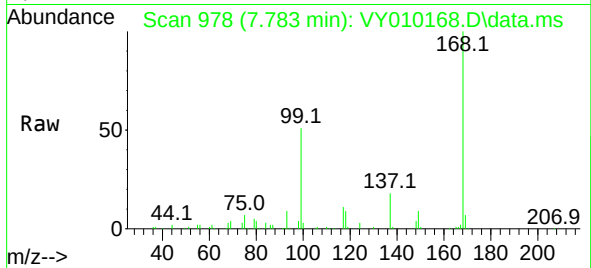




#36
1,1-Dichloropropene
Concen: 4.326 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY010168.D
Acq: 23 Aug 2022 16:23

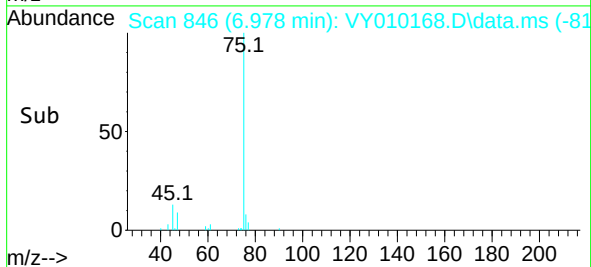
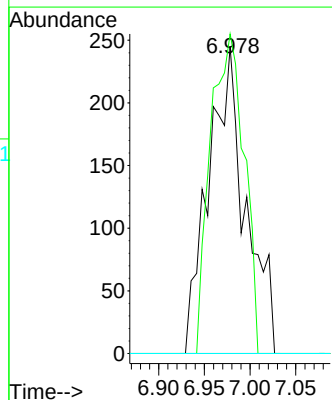
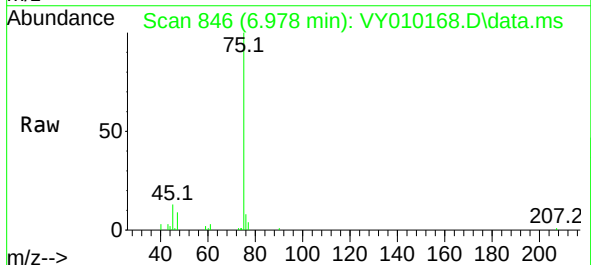
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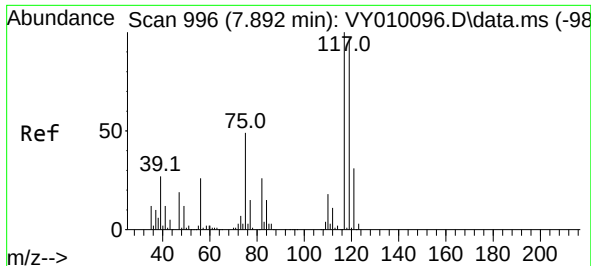
Tgt Ion: 75 Resp: 4165
Ion Ratio Lower Upper
75 100
110 10.3 18.6 56.0#
77 0.0 24.9 37.3#



#37
Ethyl Acetate
Concen: 1.410 ug/l
RT: 6.978 min Scan# 846
Delta R.T. -0.091 min
Lab File: VY010168.D
Acq: 23 Aug 2022 16:23

Tgt Ion: 43 Resp: 689
Ion Ratio Lower Upper
43 100
61 94.6 11.7 17.5#
70 0.0 9.0 13.4#

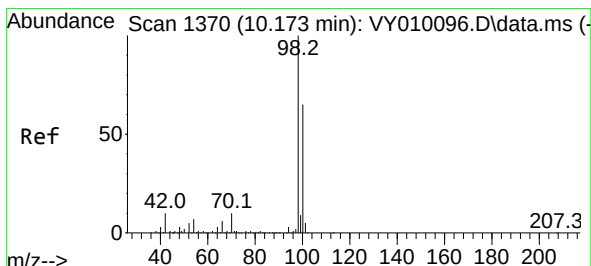
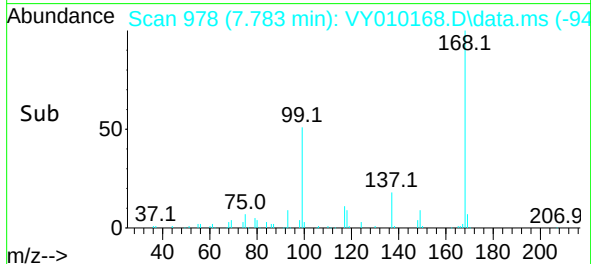
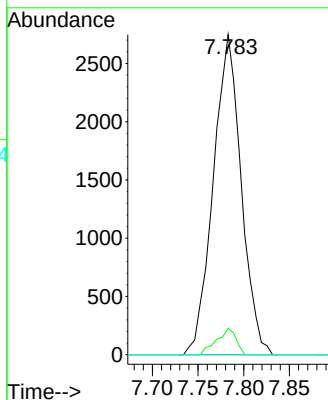
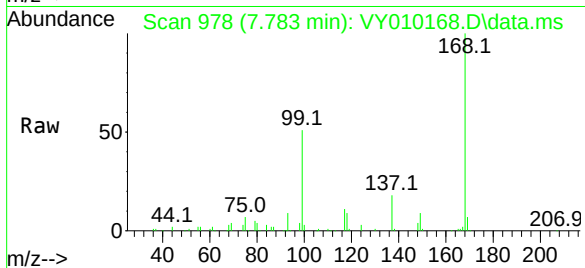




#38
Carbon Tetrachloride
Concen: 5.787 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.109 min
Lab File: VY010168.D
Acq: 23 Aug 2022 16:23

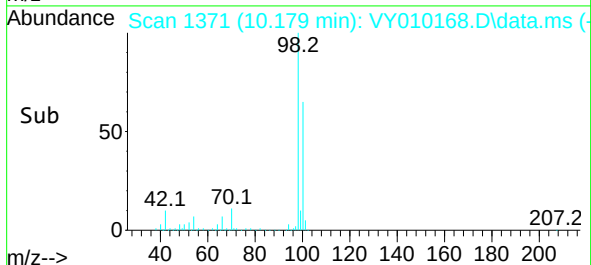
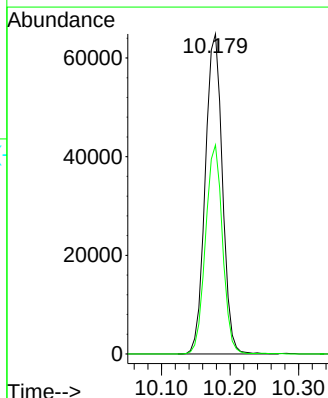
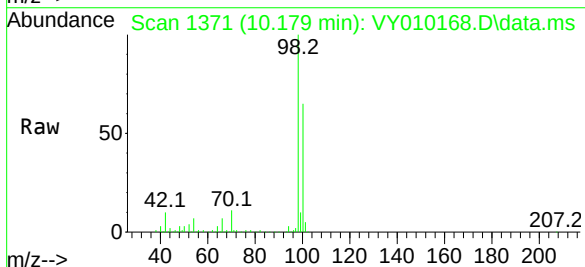
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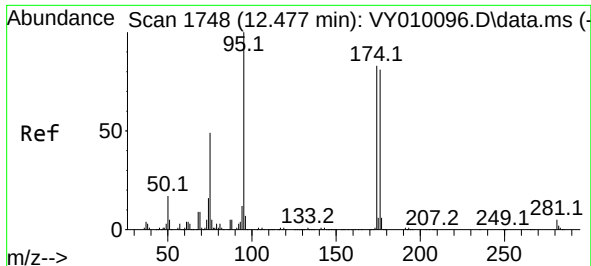
Tgt Ion:117 Resp: 5843
Ion Ratio Lower Upper
117 100
119 8.3 77.1 115.7#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 49.949 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.006 min
Lab File: VY010168.D
Acq: 23 Aug 2022 16:23

Tgt Ion: 98 Resp: 112887
Ion Ratio Lower Upper
98 100
100 64.7 51.9 77.9

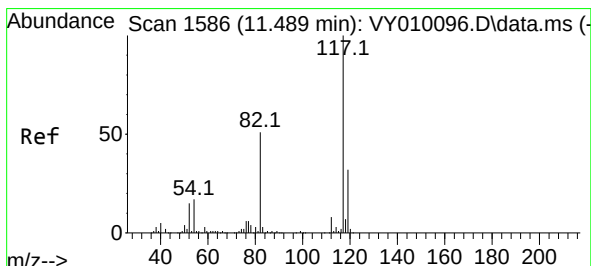
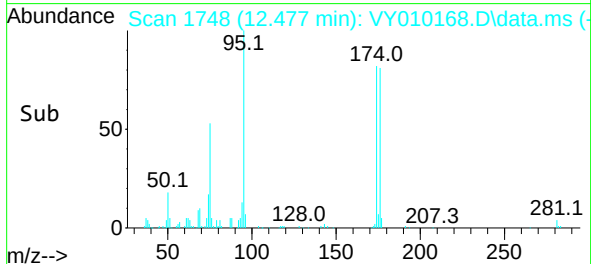
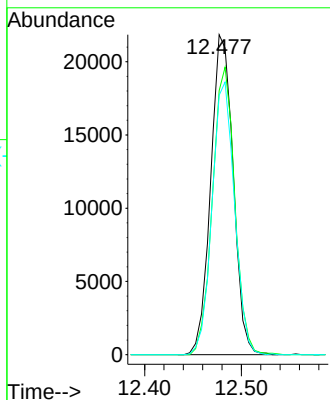
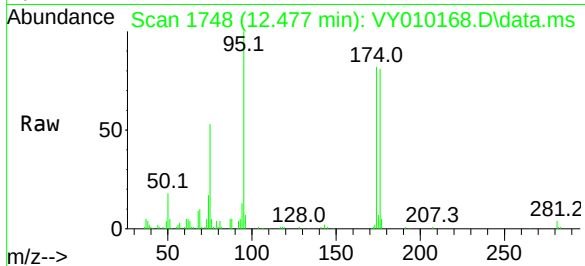




#62
4-Bromofluorobenzene
Concen: 43.566 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY010168.D
Acq: 23 Aug 2022 16:23

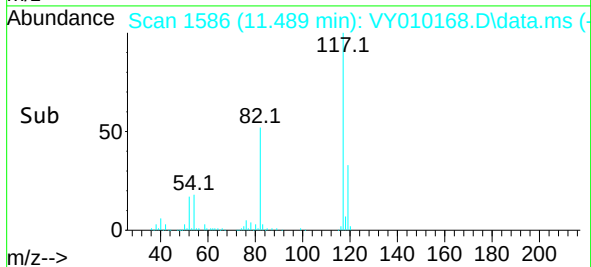
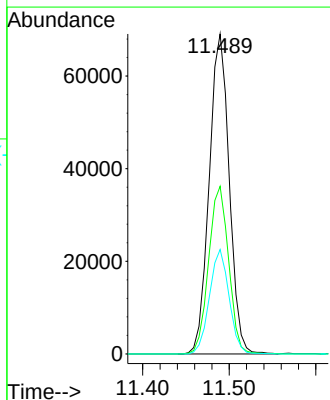
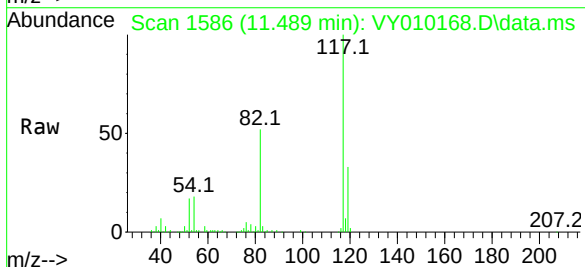
Instrument :
MSVOA_Y
ClientSampleId :
ETGI-357RE

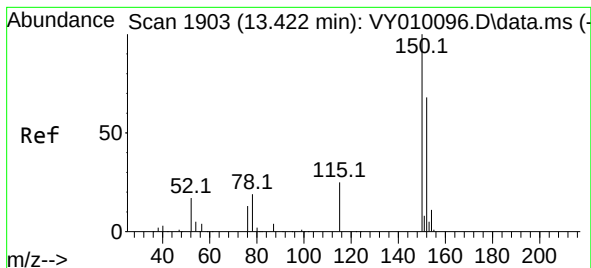
Tgt Ion: 95 Resp: 35179
Ion Ratio Lower Upper
95 100
174 89.2 0.0 173.8
176 85.2 0.0 167.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY010168.D
Acq: 23 Aug 2022 16:23

Tgt Ion: 117 Resp: 110985
Ion Ratio Lower Upper
117 100
82 52.4 40.6 61.0
119 32.6 25.8 38.8





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY010168.D

Acq: 23 Aug 2022 16:23

Instrument :

MSVOA_Y

ClientSampleId :

ETGI-357RE

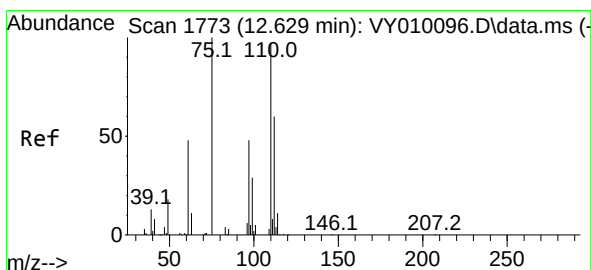
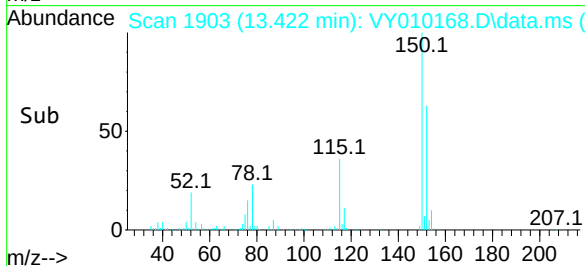
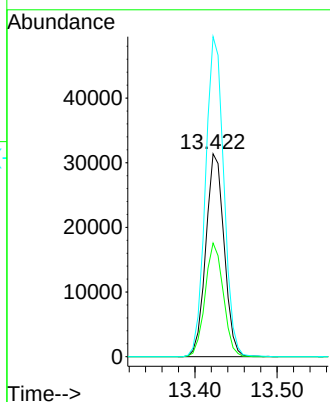
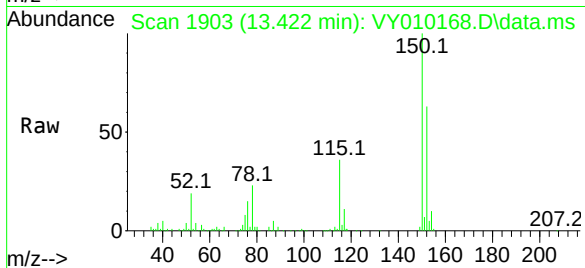
Tgt Ion:152 Resp: 48521

Ion Ratio Lower Upper

152 100

115 55.5 28.1 84.2

150 157.8 0.0 346.2



#76

1,2,3-Trichloropropane

Concen: 38.703 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.152 min

Lab File: VY010168.D

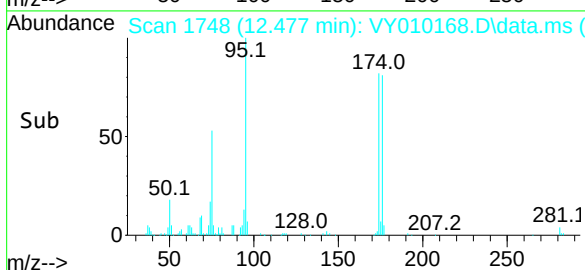
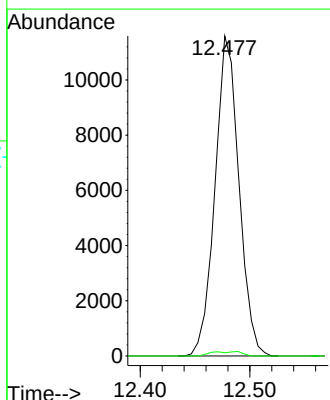
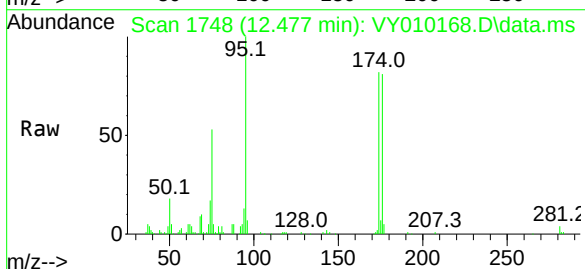
Acq: 23 Aug 2022 16:23

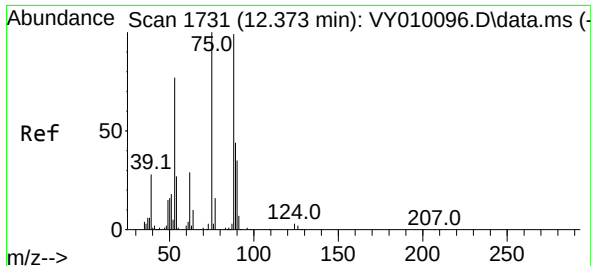
Tgt Ion: 75 Resp: 17587

Ion Ratio Lower Upper

75 100

77 0.9 0.0 0.0#

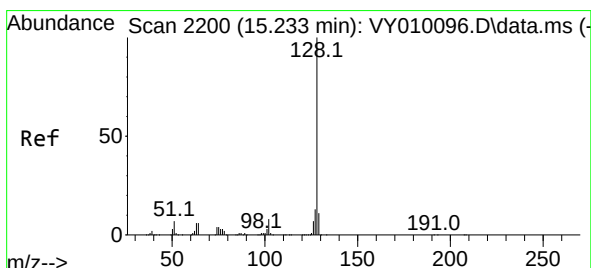
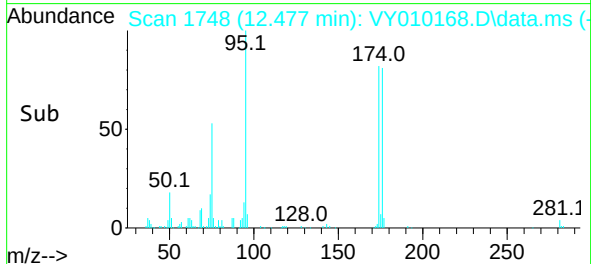
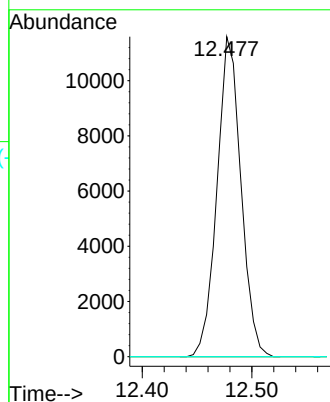
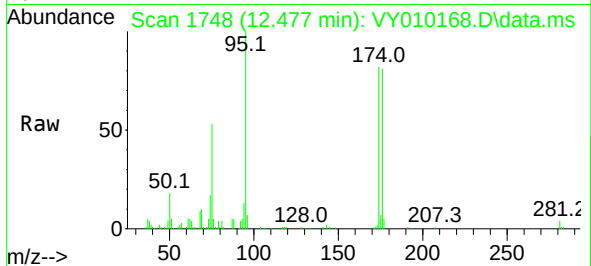




#81
trans-1,4-Dichloro-2-butene
Concen: 77.735 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY010168.D
Acq: 23 Aug 2022 16:23

Instrument :
MSVOA_Y
ClientSampleId :
ETGI-357RE

Tgt Ion: 75 Resp: 17587
Ion Ratio Lower Upper
75 100
53 0.0 62.6 94.0#
89 0.0 36.8 55.2#



#95
Naphthalene
Concen: 4.007 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.000 min
Lab File: VY010168.D
Acq: 23 Aug 2022 16:23

Tgt Ion: 128 Resp: 239
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.9 13.3#

