

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033023\
 Data File : VY013147.D
 Acq On : 30 Mar 2023 12:31
 Operator : KP/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Mar 31 03:58:59 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y033023S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 31 03:45:49 2023
 Response via : Initial Calibration

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

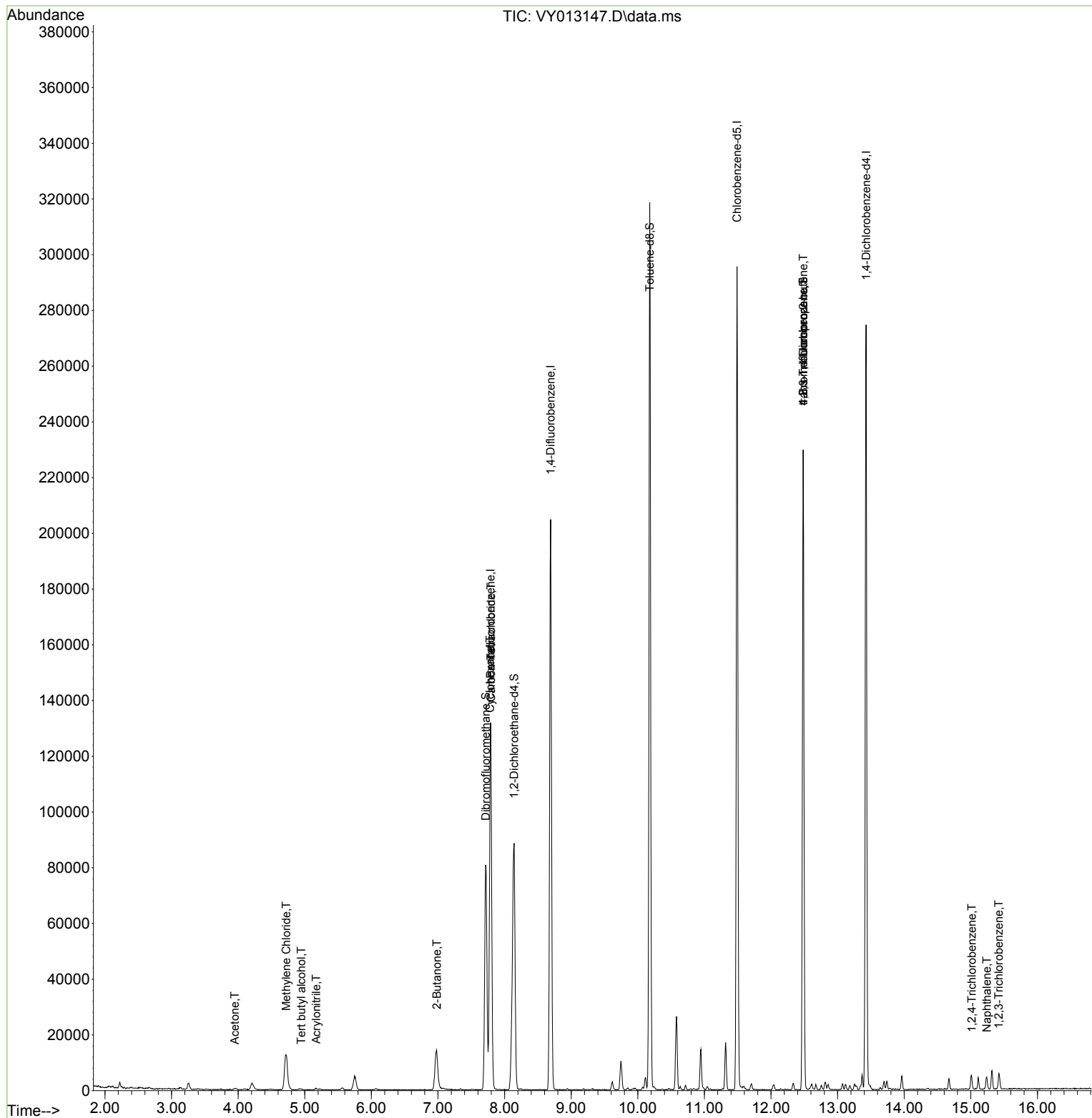
Internal Standards						
1) Pentafluorobenzene	7.789	168	104406	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	172243	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	157589	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	71231	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	61986	55.244	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.480%			
35) Dibromofluoromethane	7.716	113	57677	51.259	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.520%			
50) Toluene-d8	10.179	98	202963	47.780	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 95.560%			
62) 4-Bromofluorobenzene	12.483	95	64332	46.527	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 93.060%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.948	59	470	4.648	ug/l #	74
15) Acrylonitrile	5.173	53	431	1.450	ug/l #	70
16) Acetone	3.948	43	937	2.731	ug/l #	87
20) Methylene Chloride	4.722	84	9813	3.265	ug/l #	88
25) 2-Butanone	6.984	43	1160	2.704	ug/l #	49
31) Cyclohexane	7.783	56	2340	1.277	ug/l #	5
38) Carbon Tetrachloride	7.795	117	9522	5.095	ug/l #	16
76) 1,2,3-Trichloropropane	12.483	75	32700	40.875	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	32700	91.134	ug/l #	13
93) 1,2,4-Trichlorobenzene	15.013	180	1846	1.463	ug/l	94
95) Naphthalene	15.239	128	4198	4.702	ug/l	98
96) 1,2,3-Trichlorobenzene	15.422	180	2033	1.828	ug/l	95

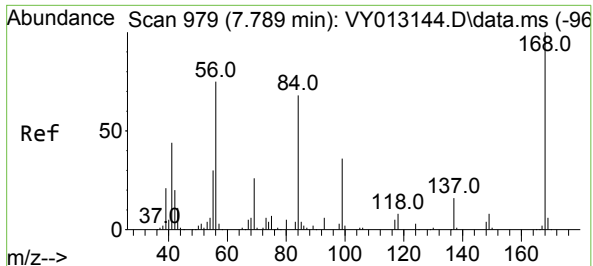
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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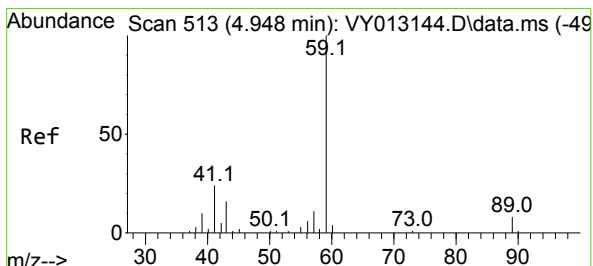
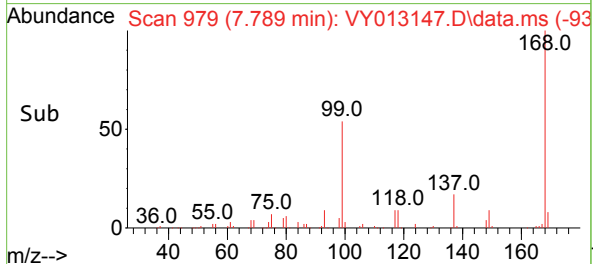
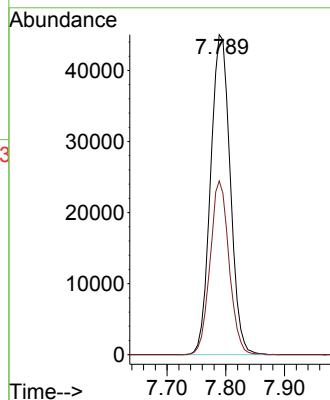
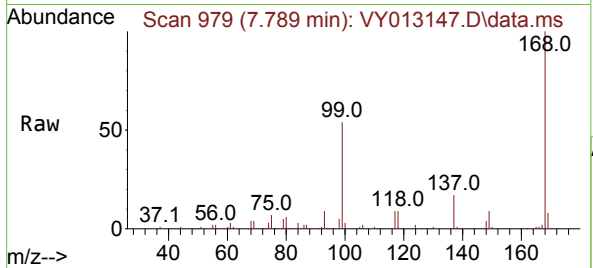




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013147.D
Acq: 30 Mar 2023 12:31

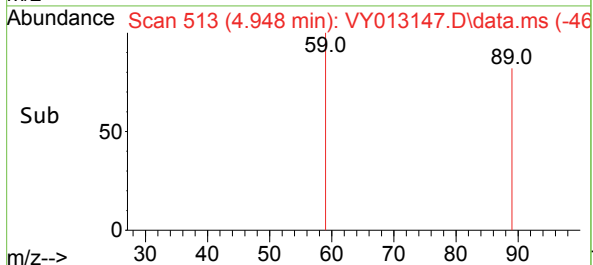
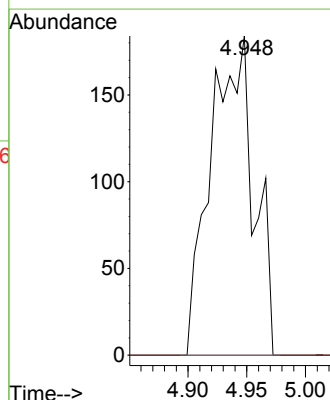
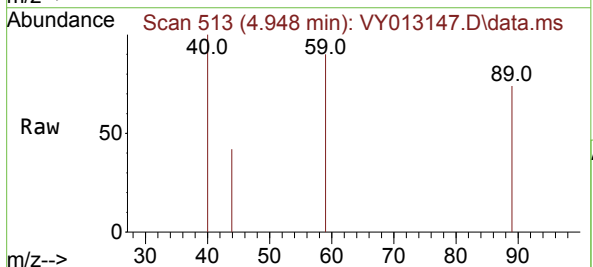
Instrument :
MSVOA_Y
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VIBLK

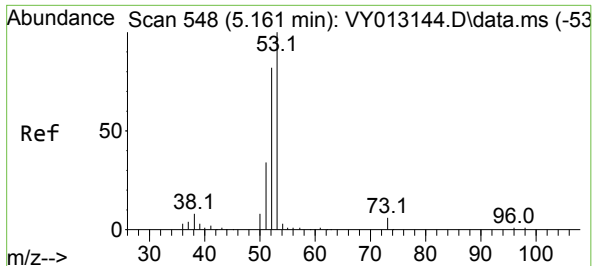
Tgt Ion:168 Resp: 104406
Ion Ratio Lower Upper
168 100
99 54.3 41.7 62.5



#11
Tert butyl alcohol
Concen: 4.648 ug/l
RT: 4.948 min Scan# 513
Delta R.T. 0.000 min
Lab File: VY013147.D
Acq: 30 Mar 2023 12:31

Tgt Ion: 59 Resp: 470
Ion Ratio Lower Upper
59 100
57 0.0 7.7 11.5#

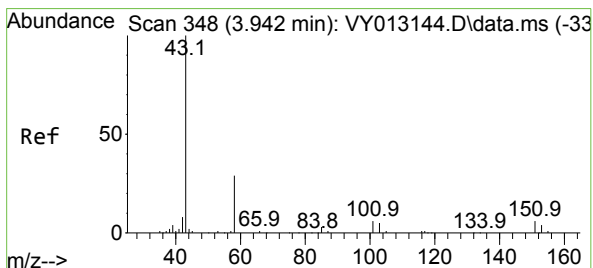
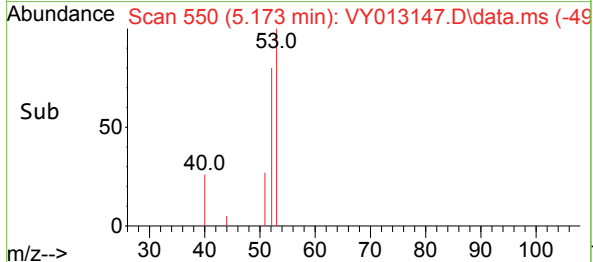
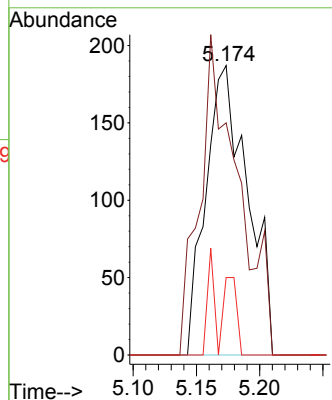
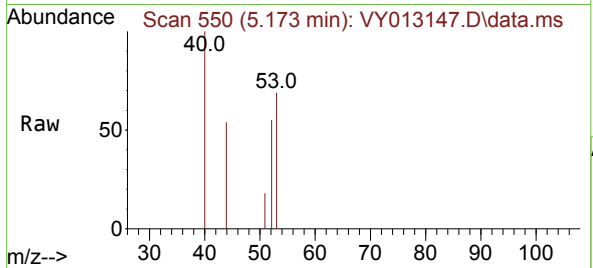




#15
Acrylonitrile
Concen: 1.450 ug/l
RT: 5.173 min Scan# 51
Delta R.T. 0.012 min
Lab File: VY013147.D
Acq: 30 Mar 2023 12:31

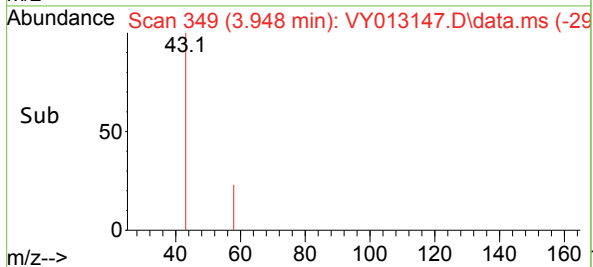
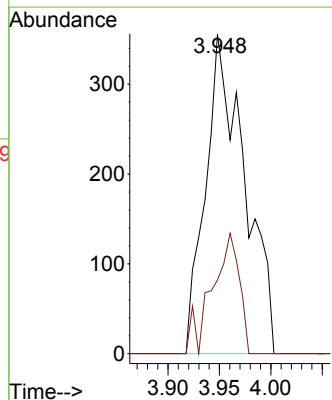
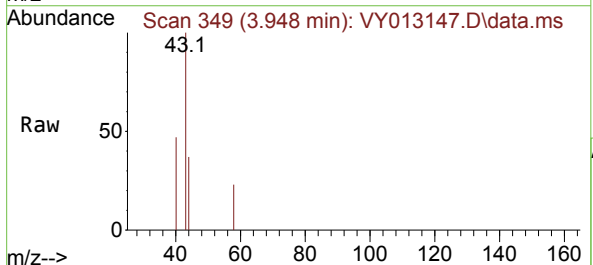
Instrument :
MSVOA_Y
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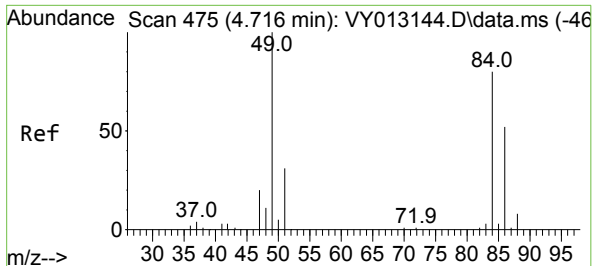
Tgt Ion: 53 Resp: 431
Ion Ratio Lower Upper
53 100
52 100.9 66.3 99.5#
51 5.8 28.8 43.2#



#16
Acetone
Concen: 2.731 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY013147.D
Acq: 30 Mar 2023 12:31

Tgt Ion: 43 Resp: 937
Ion Ratio Lower Upper
43 100
58 23.0 24.2 36.2#

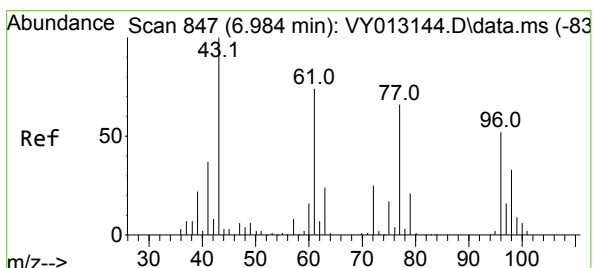
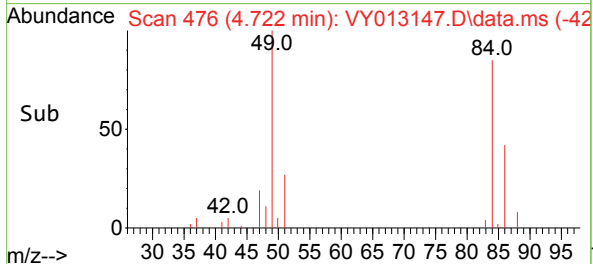
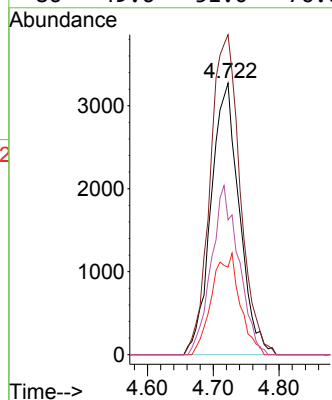
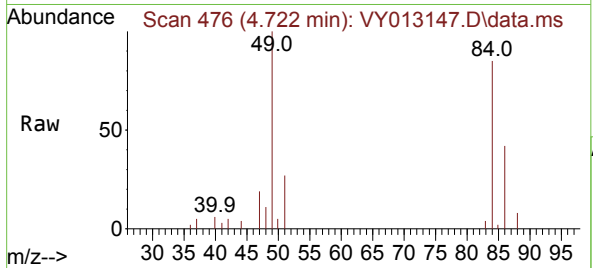




#20
Methylene Chloride
Concen: 3.265 ug/l
RT: 4.722 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY013147.D
Acq: 30 Mar 2023 12:31

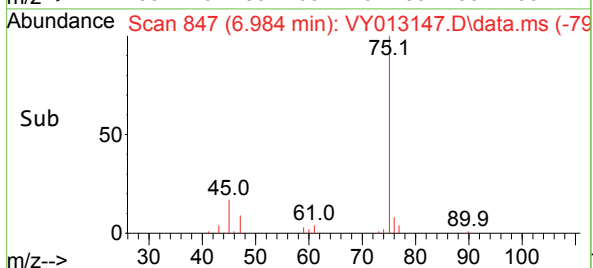
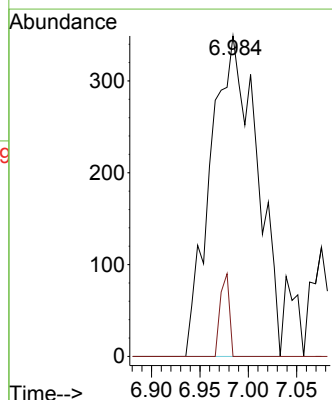
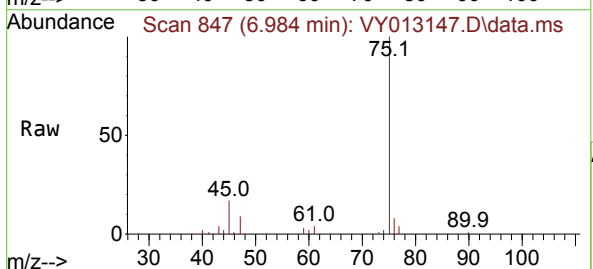
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

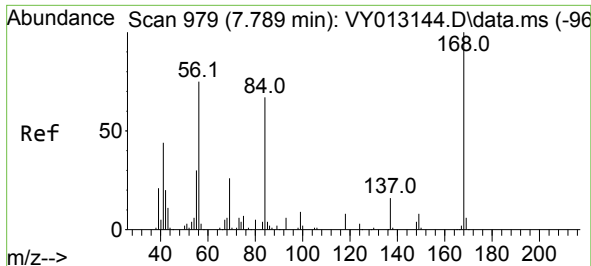
Tgt Ion: 84 Resp: 9813
Ion Ratio Lower Upper
84 100
49 117.8 102.6 154.0
51 32.2 31.9 47.9
86 49.6 51.0 76.6#



#25
2-Butanone
Concen: 2.704 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.000 min
Lab File: VY013147.D
Acq: 30 Mar 2023 12:31

Tgt Ion: 43 Resp: 1160
Ion Ratio Lower Upper
43 100
72 0.0 21.0 31.4#

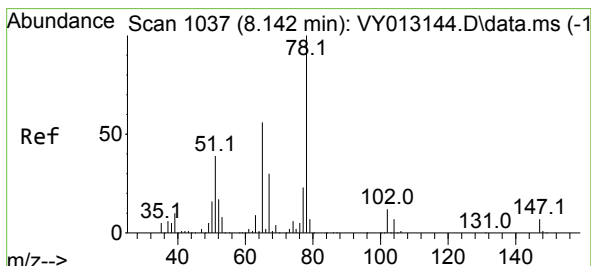
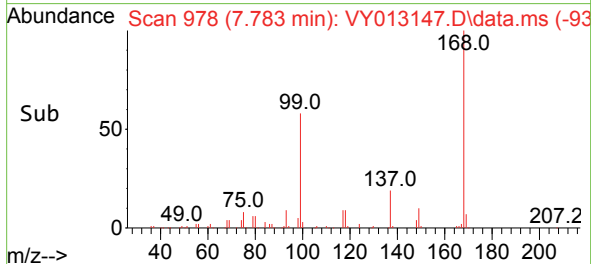
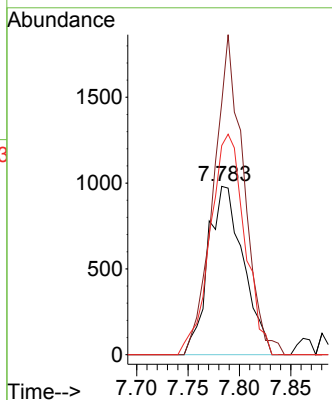
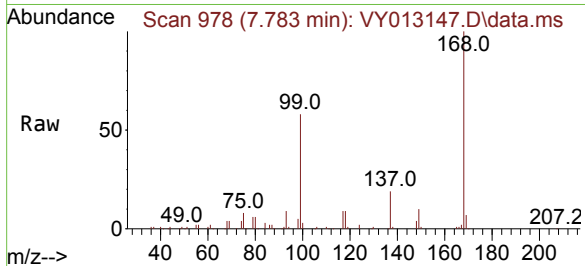




#31
Cyclohexane
Concen: 1.277 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY013147.D
Acq: 30 Mar 2023 12:31

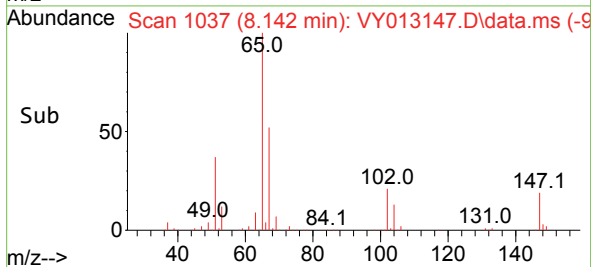
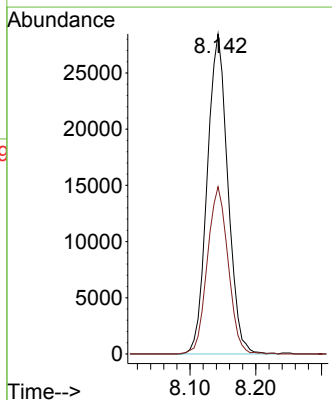
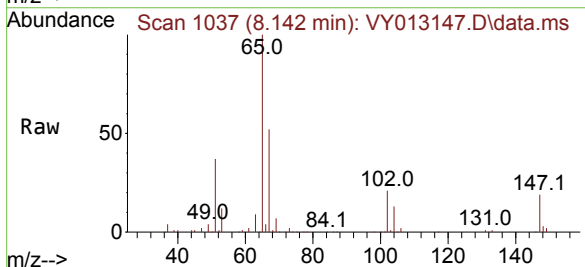
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

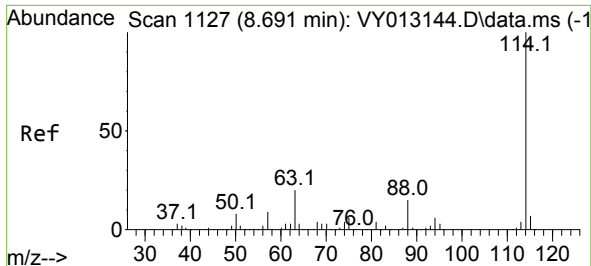
Tgt Ion: 56 Resp: 2340
Ion Ratio Lower Upper
56 100
69 149.5 25.7 38.5#
84 124.3 64.3 96.5#



#33
1,2-Dichloroethane-d4
Concen: 55.244 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY013147.D
Acq: 30 Mar 2023 12:31

Tgt Ion: 65 Resp: 61986
Ion Ratio Lower Upper
65 100
67 52.7 0.0 104.0

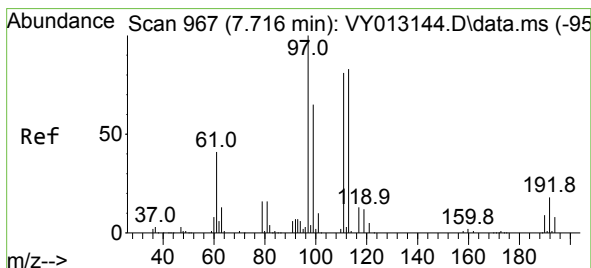
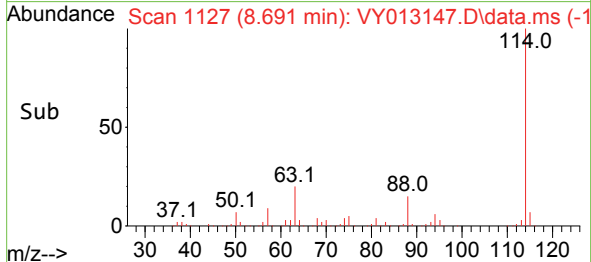
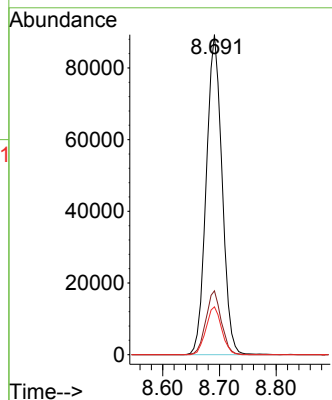
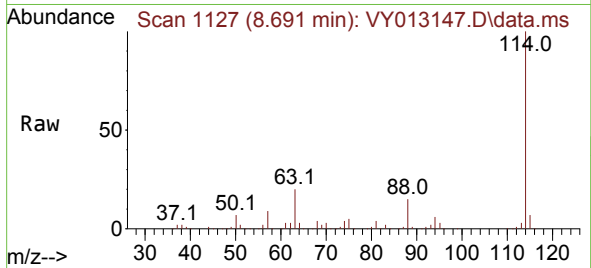




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VY013147.D
Acq: 30 Mar 2023 12:31

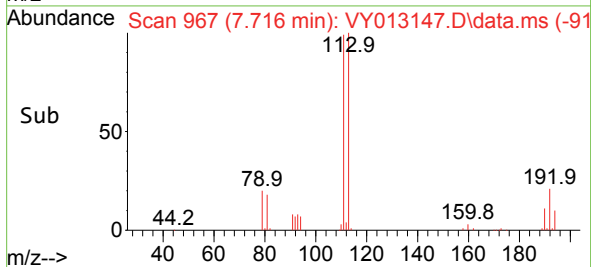
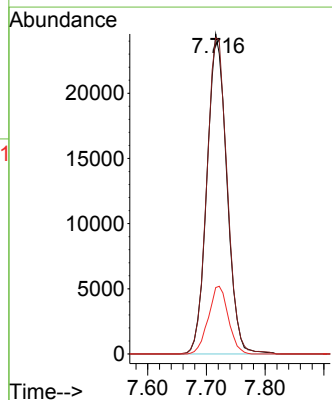
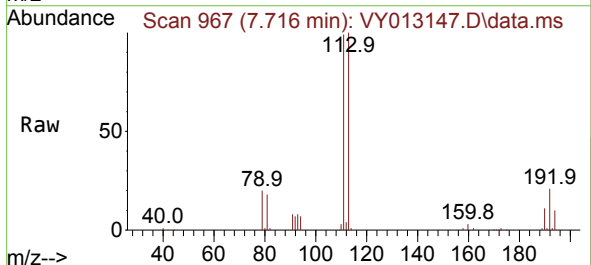
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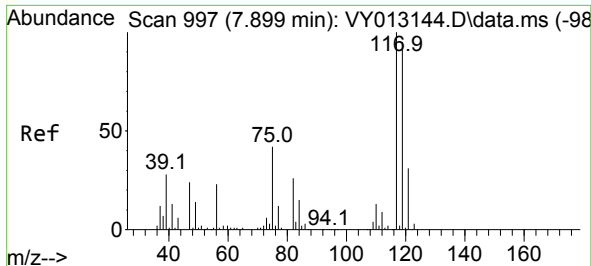
Tgt Ion:114 Resp: 172243
Ion Ratio Lower Upper
114 100
63 20.0 0.0 37.4
88 14.9 0.0 28.6



#35
Dibromofluoromethane
Concen: 51.259 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY013147.D
Acq: 30 Mar 2023 12:31

Tgt Ion:113 Resp: 57677
Ion Ratio Lower Upper
113 100
111 101.5 82.2 123.2
192 21.2 16.8 25.2

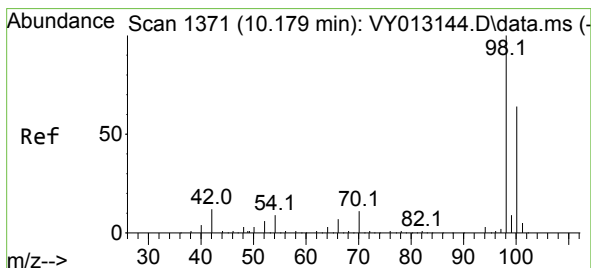
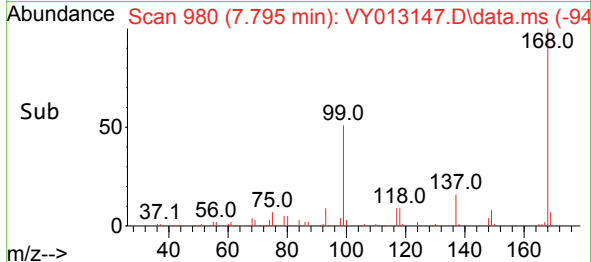
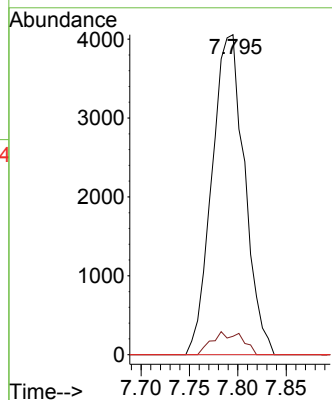
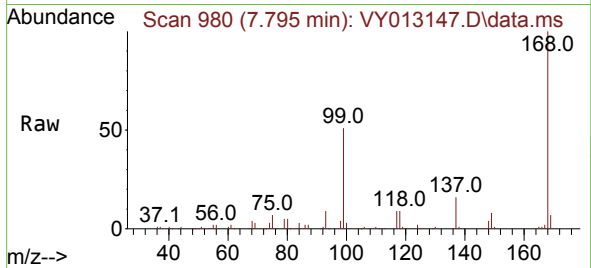




#38
Carbon Tetrachloride
Concen: 5.095 ug/l
RT: 7.795 min Scan# 91
Delta R.T. -0.104 min
Lab File: VY013147.D
Acq: 30 Mar 2023 12:31

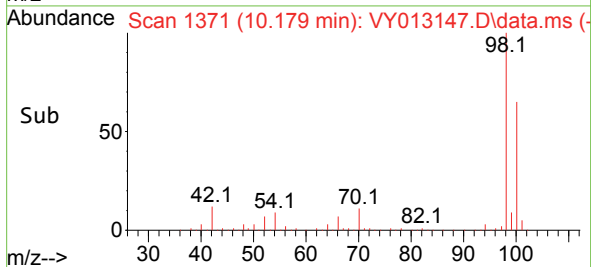
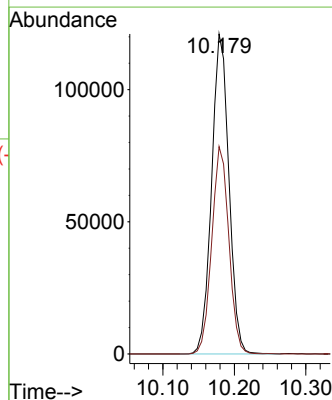
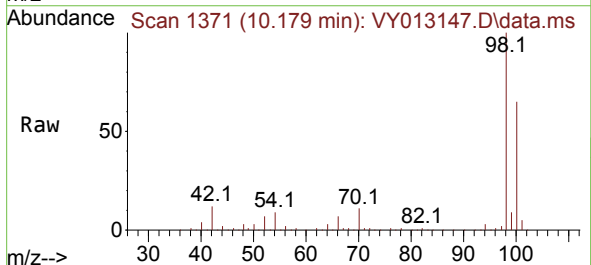
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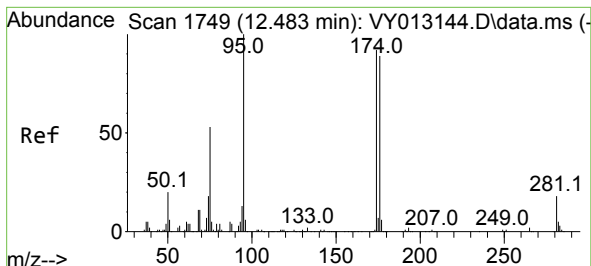
Tgt Ion:117 Resp: 9522
Ion Ratio Lower Upper
117 100
119 5.7 77.2 115.8#
121 0.0 24.7 37.1#



#50
Toluene-d8
Concen: 47.780 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY013147.D
Acq: 30 Mar 2023 12:31

Tgt Ion: 98 Resp: 202963
Ion Ratio Lower Upper
98 100
100 64.2 50.9 76.3

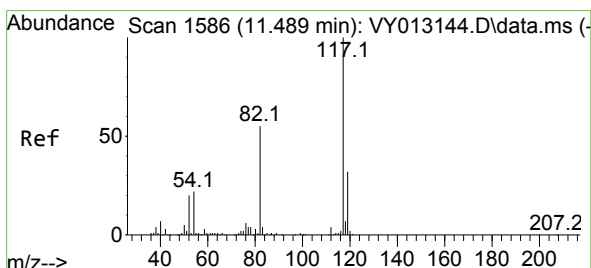
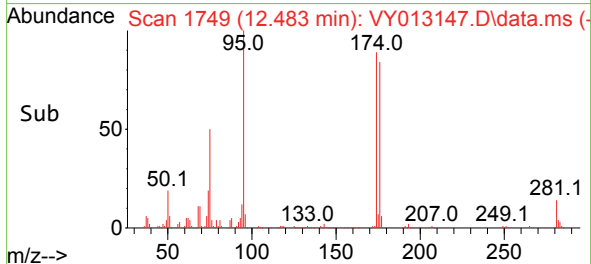
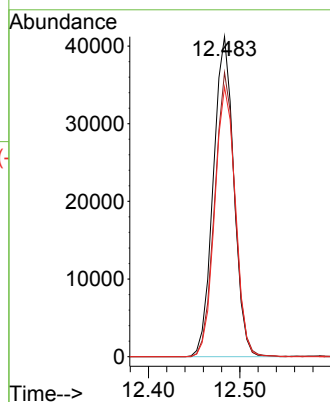
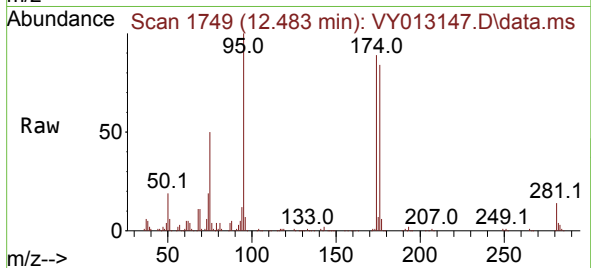




#62
4-Bromofluorobenzene
Concen: 46.527 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY013147.D
Acq: 30 Mar 2023 12:31

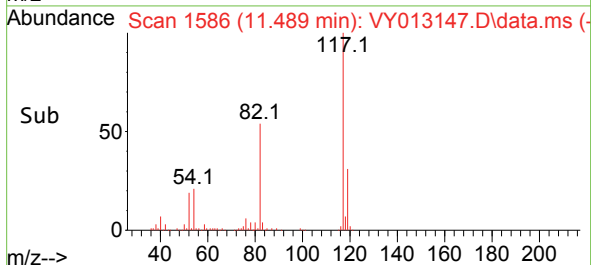
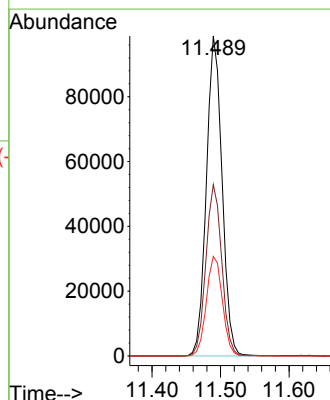
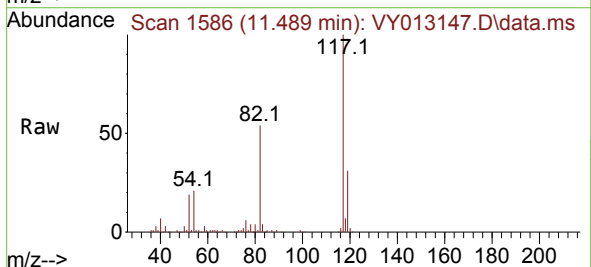
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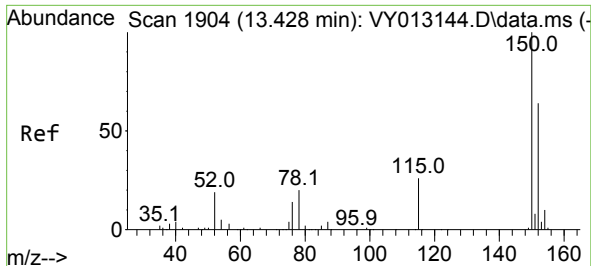
Tgt Ion: 95 Resp: 64332
Ion Ratio Lower Upper
95 100
174 87.8 0.0 176.6
176 84.9 0.0 170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY013147.D
Acq: 30 Mar 2023 12:31

Tgt Ion: 117 Resp: 157589
Ion Ratio Lower Upper
117 100
82 53.6 45.4 68.0
119 31.1 25.6 38.4

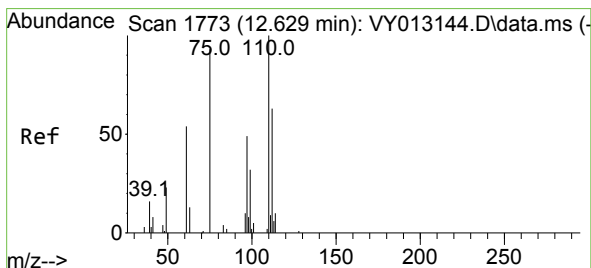
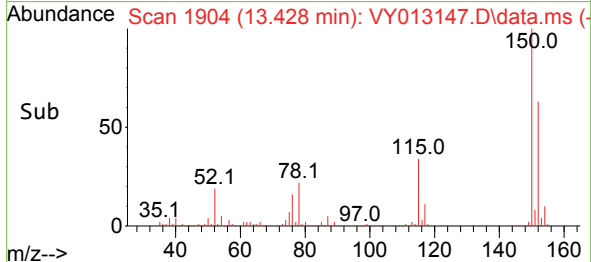
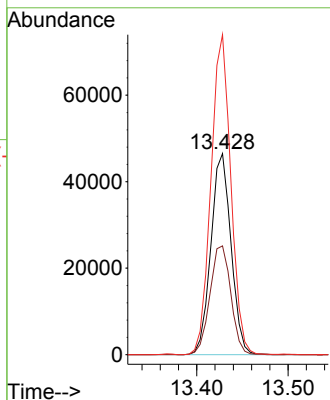
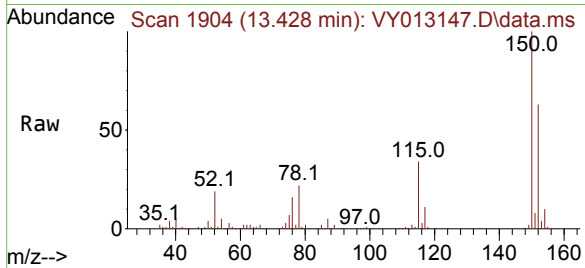




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY013147.D
 Acq: 30 Mar 2023 12:31

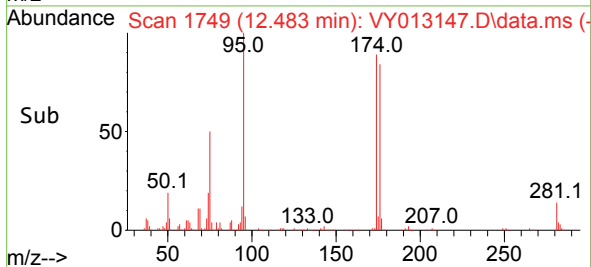
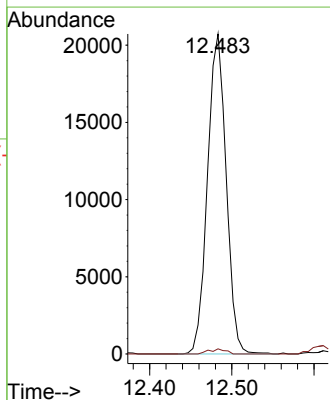
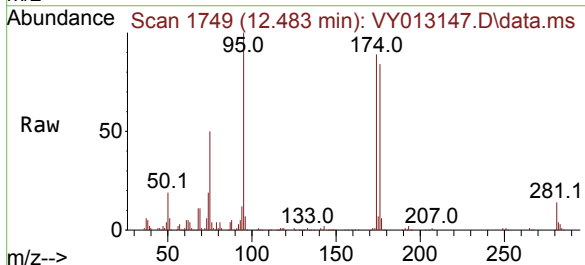
Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

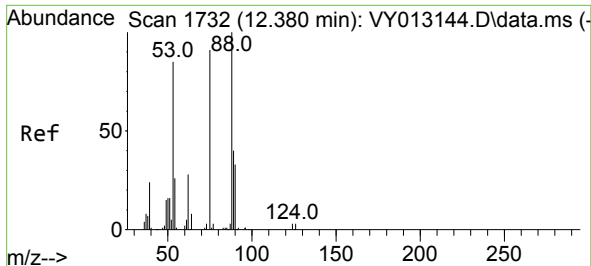
Tgt Ion:152 Resp: 71231
 Ion Ratio Lower Upper
 152 100
 115 56.2 27.1 81.3
 150 157.0 0.0 347.8



#76
 1,2,3-Trichloropropane
 Concen: 40.875 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.146 min
 Lab File: VY013147.D
 Acq: 30 Mar 2023 12:31

Tgt Ion: 75 Resp: 32700
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#

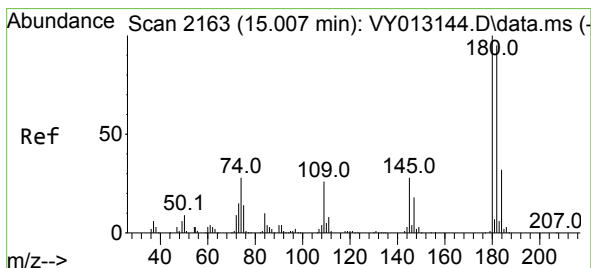
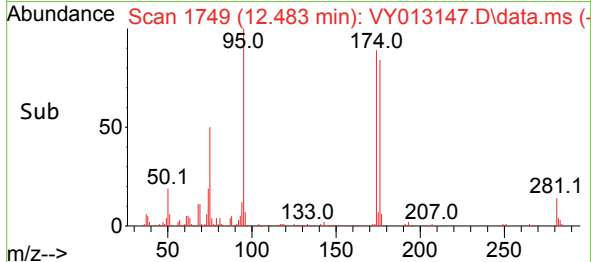
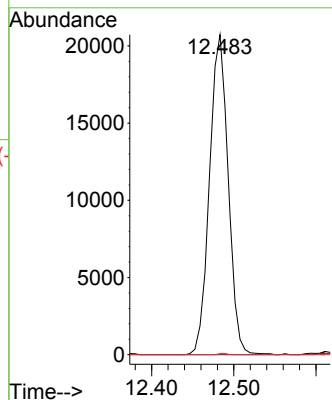
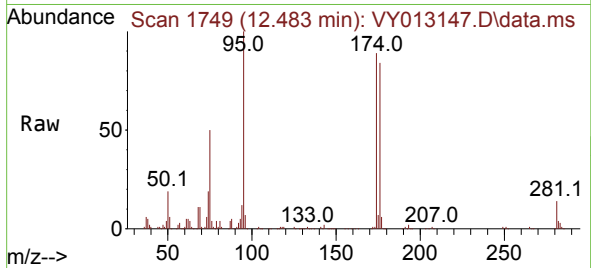




#81
trans-1,4-Dichloro-2-butene
Concen: 91.134 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY013147.D
Acq: 30 Mar 2023 12:31

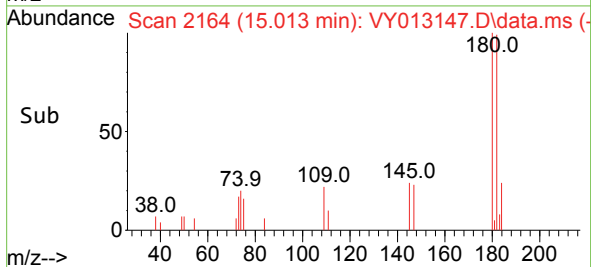
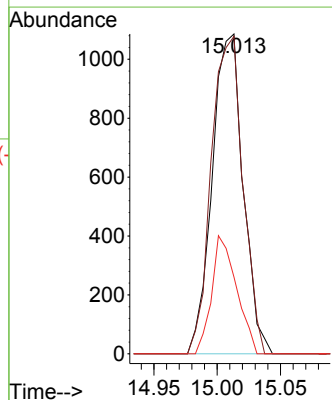
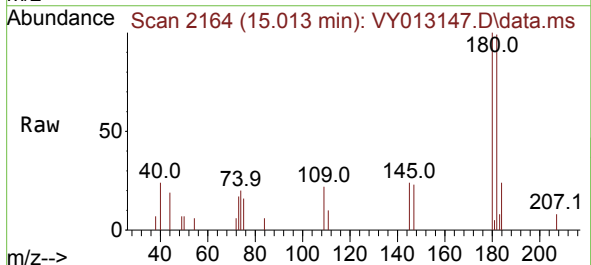
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

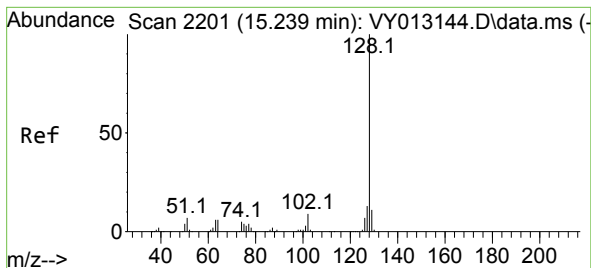
Tgt Ion: 75 Resp: 32700
Ion Ratio Lower Upper
75 100
53 0.0 73.4 110.0#
89 0.2 36.6 55.0#



#93
1,2,4-Trichlorobenzene
Concen: 1.463 ug/l
RT: 15.013 min Scan# 2164
Delta R.T. 0.006 min
Lab File: VY013147.D
Acq: 30 Mar 2023 12:31

Tgt Ion: 180 Resp: 1846
Ion Ratio Lower Upper
180 100
182 101.1 46.7 140.1
145 29.7 14.6 43.8





#95

Naphthalene

Concen: 4.702 ug/l

RT: 15.239 min Scan# 2201

Delta R.T. -0.000 min

Lab File: VY013147.D

Acq: 30 Mar 2023 12:31

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

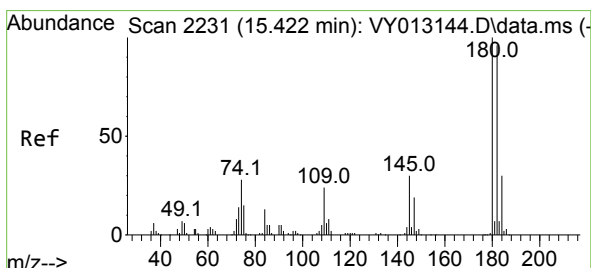
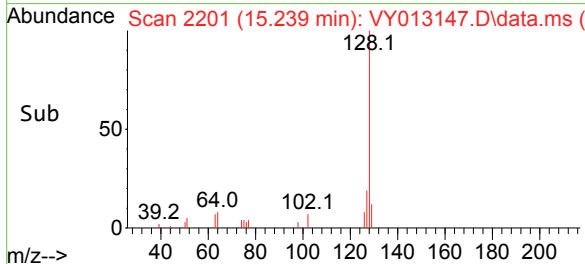
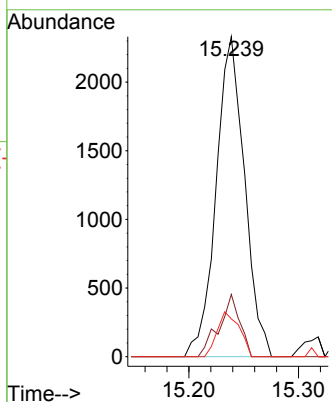
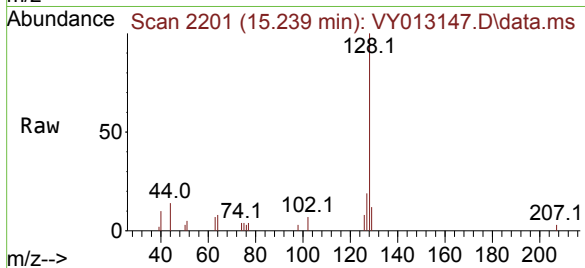
Tgt Ion:128 Resp: 4198

Ion Ratio Lower Upper

128 100

127 14.2 10.3 15.5

129 10.9 8.6 13.0



#96

1,2,3-Trichlorobenzene

Concen: 1.828 ug/l

RT: 15.422 min Scan# 2231

Delta R.T. 0.000 min

Lab File: VY013147.D

Acq: 30 Mar 2023 12:31

Tgt Ion:180 Resp: 2033

Ion Ratio Lower Upper

180 100

182 101.5 47.4 142.3

145 30.2 15.3 45.8

