

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071823\
 Data File : VY014695.D
 Acq On : 18 Jul 2023 12:35
 Operator : SY/MD
 Sample : 03653-21
 Misc : 6.60g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP22

Quant Time: Jul 19 04:02:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071323S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jul 14 02:09:50 2023
 Response via : Initial Calibration

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

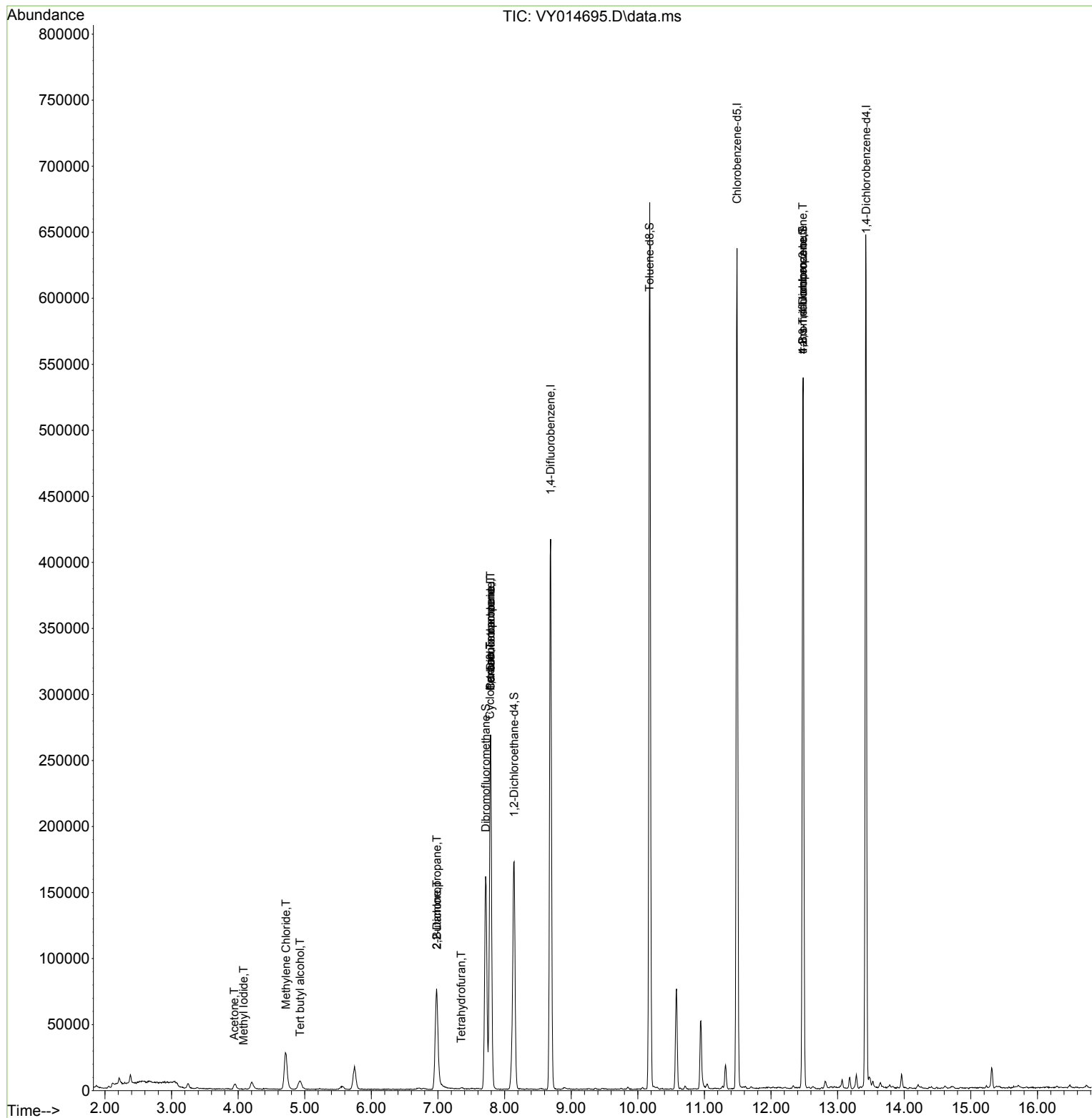
Internal Standards						
1) Pentafluorobenzene	7.789	168	206598	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	366244	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	345261	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	164265	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	130165	55.289	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 110.580%			
35) Dibromofluoromethane	7.716	113	115639	49.600	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.200%			
50) Toluene-d8	10.179	98	431854	50.242	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.480%			
62) 4-Bromofluorobenzene	12.477	95	164359	49.869	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 99.740%			
Target Compounds						
					Qvalue	
10) Methyl Iodide	4.082	142	80	2.403	ug/l #	75
11) Tert butyl alcohol	4.930	59	6864	2.409	ug/l #	96
16) Acetone	3.942	43	7604	10.193	ug/l	97
20) Methylene Chloride	4.716	84	21326	4.999	ug/l	89
25) 2-Butanone	6.984	43	5789	5.304	ug/l #	86
26) 2,2-Dichloropropane	6.984	77	5608	1.400	ug/l #	54
29) Tetrahydrofuran	7.350	42	823	1.225	ug/l #	73
31) Cyclohexane	7.783	56	4334	1.109	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	15907	4.562	ug/l #	50
38) Carbon Tetrachloride	7.789	117	20891	5.668	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	86753	41.816	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	86753	80.964	ug/l #	11

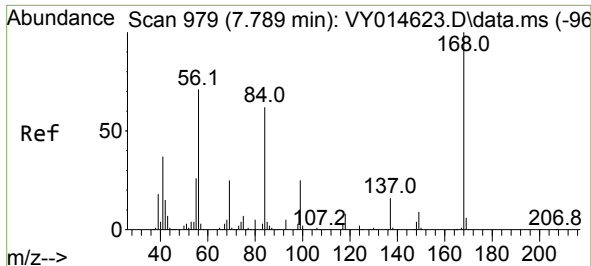
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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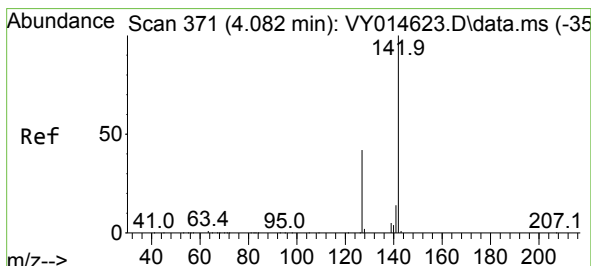
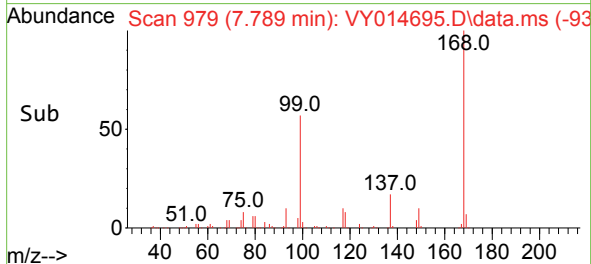
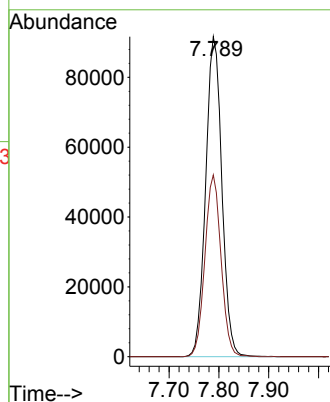
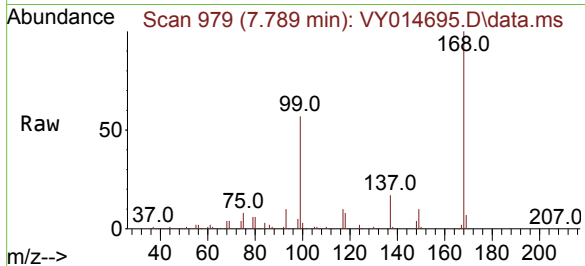




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014695.D
Acq: 18 Jul 2023 12:35

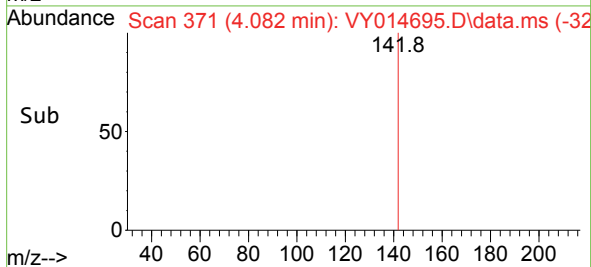
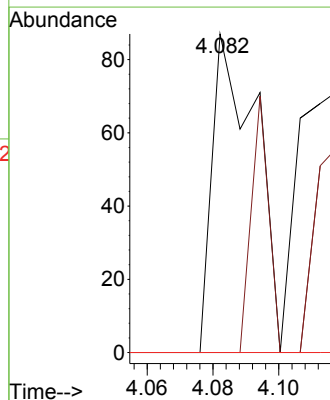
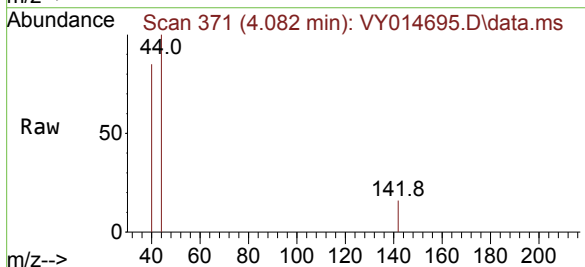
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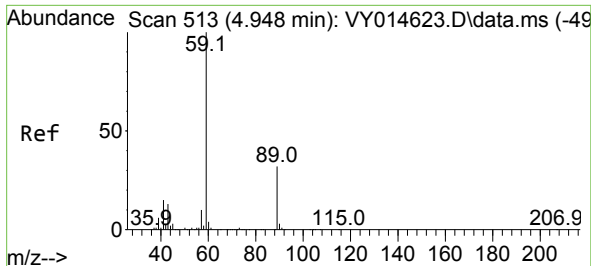
Tgt Ion:168 Resp: 206598
Ion Ratio Lower Upper
168 100
99 56.8 43.4 65.0



#10
Methyl Iodide
Concen: 2.403 ug/l
RT: 4.082 min Scan# 371
Delta R.T. 0.000 min
Lab File: VY014695.D
Acq: 18 Jul 2023 12:35

Tgt Ion:142 Resp: 80
Ion Ratio Lower Upper
142 100
127 32.5 37.6 56.4#
141 0.0 11.8 17.8#

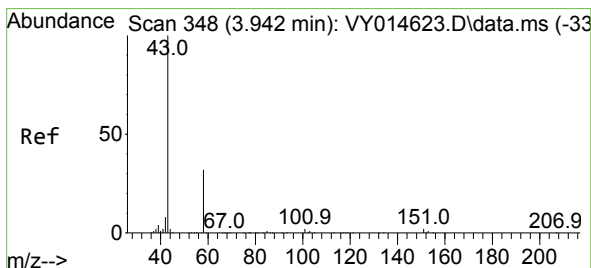
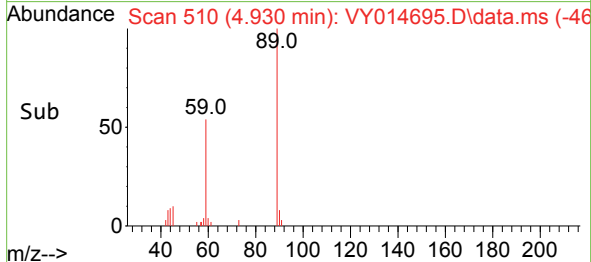
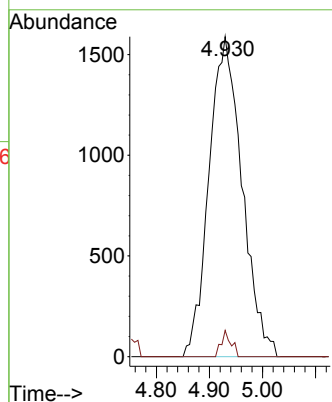
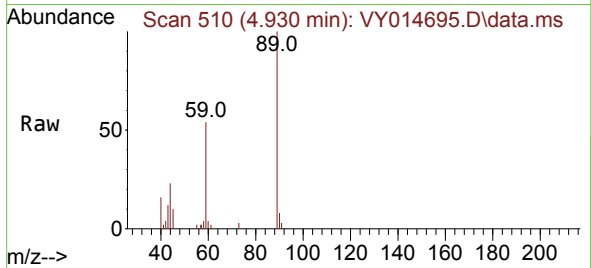




#11
Tert butyl alcohol
Concen: 2.409 ug/l
RT: 4.930 min Scan# 513
Delta R.T. -0.018 min
Lab File: VY014695.D
Acq: 18 Jul 2023 12:35

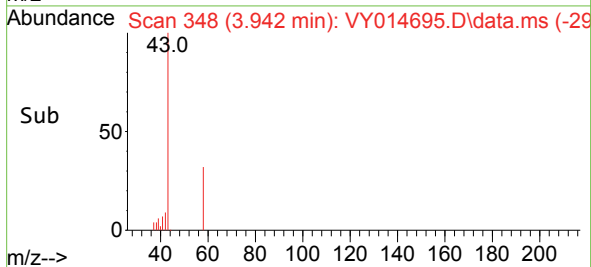
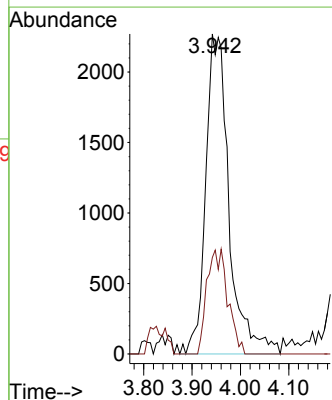
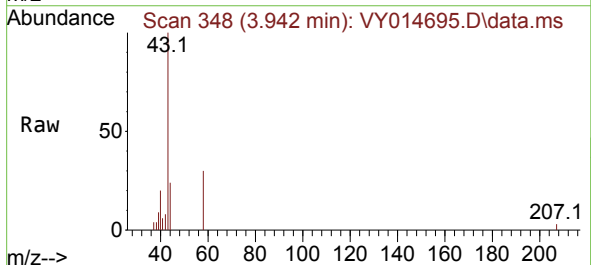
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MSVOA_Y
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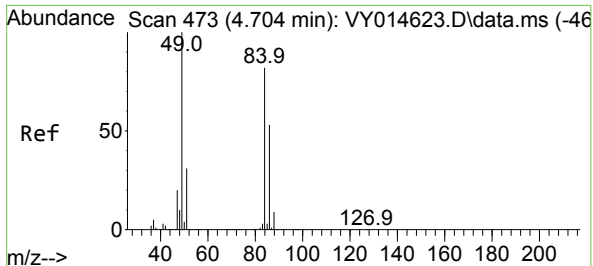
Tgt Ion: 59 Resp: 6864
Ion Ratio Lower Upper
59 100
57 2.4 3.0 4.4#



#16
Acetone
Concen: 10.193 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.000 min
Lab File: VY014695.D
Acq: 18 Jul 2023 12:35

Tgt Ion: 43 Resp: 7604
Ion Ratio Lower Upper
43 100
58 30.2 22.7 34.1





#20

Methylene Chloride

Concen: 4.999 ug/l

RT: 4.716 min Scan# 41

Delta R.T. 0.012 min

Lab File: VY014695.D

Acq: 18 Jul 2023 12:35

Instrument :

MSVOA_Y

ClientSampleId :

TP22

Tgt Ion: 84 Resp: 21326

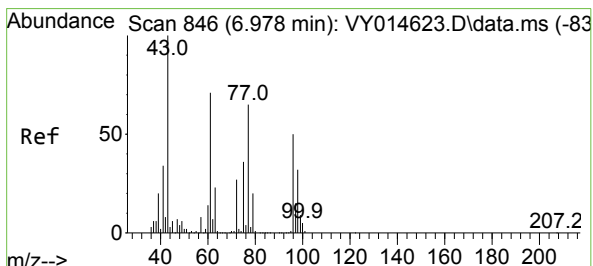
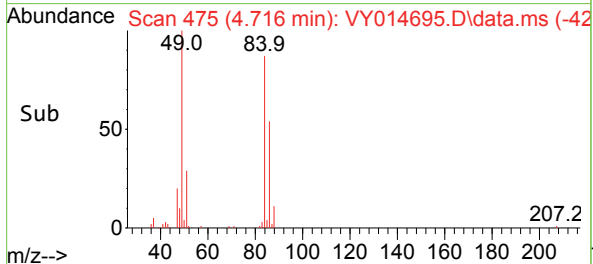
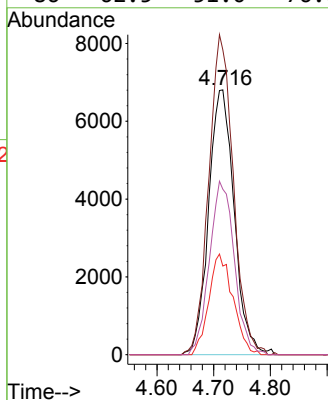
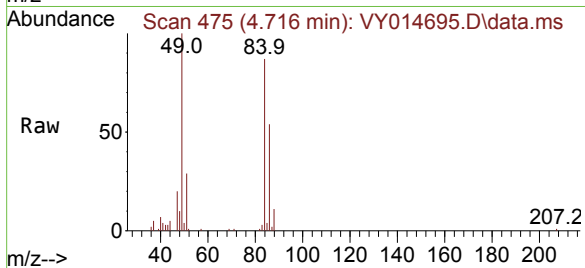
Ion Ratio Lower Upper

84 100

49 115.1 106.9 160.3

51 33.5 33.2 49.8

86 62.5 51.0 76.6



#25

2-Butanone

Concen: 5.304 ug/l

RT: 6.984 min Scan# 847

Delta R.T. 0.006 min

Lab File: VY014695.D

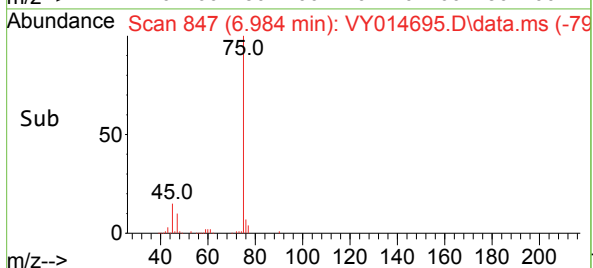
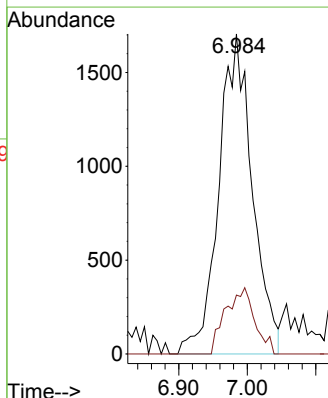
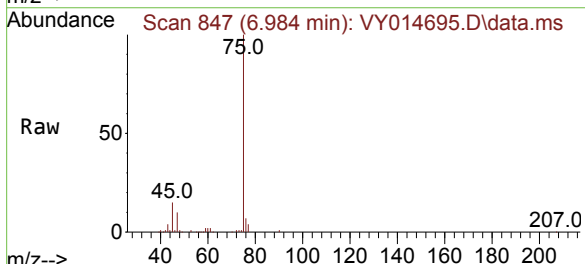
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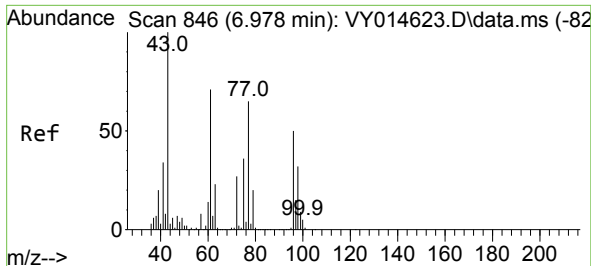
Tgt Ion: 43 Resp: 5789

Ion Ratio Lower Upper

43 100

72 18.4 20.5 30.7#

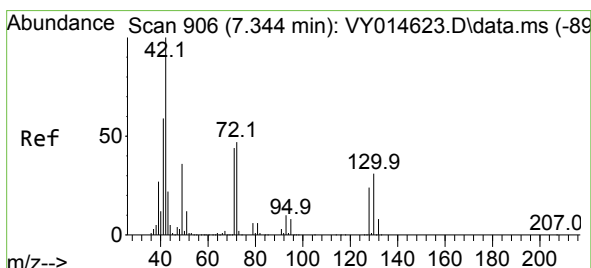
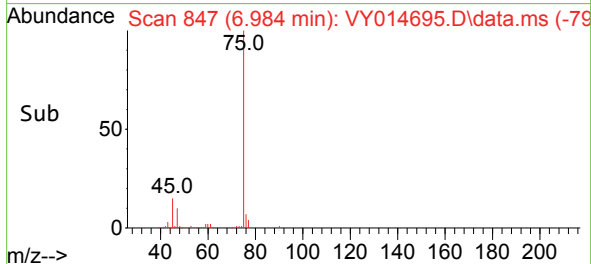
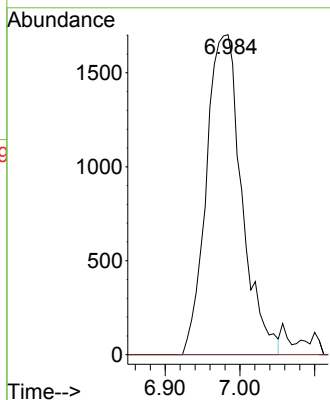
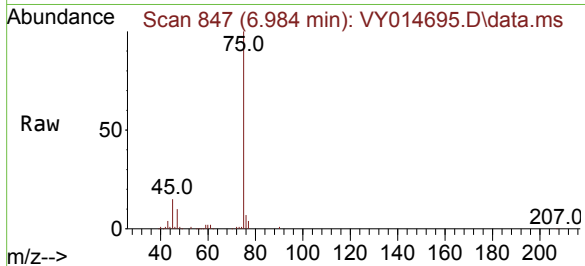




#26
2,2-Dichloropropane
Concen: 1.400 ug/l
RT: 6.984 min Scan# 846
Delta R.T. 0.006 min
Lab File: VY014695.D
Acq: 18 Jul 2023 12:35

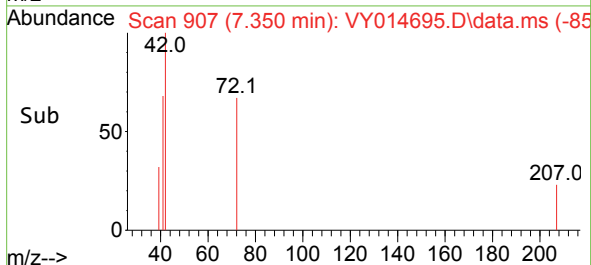
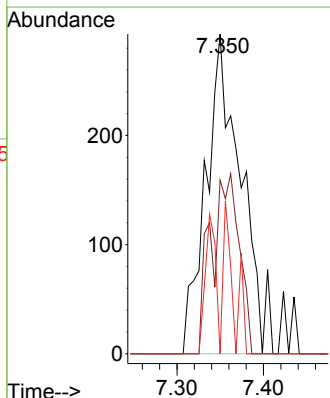
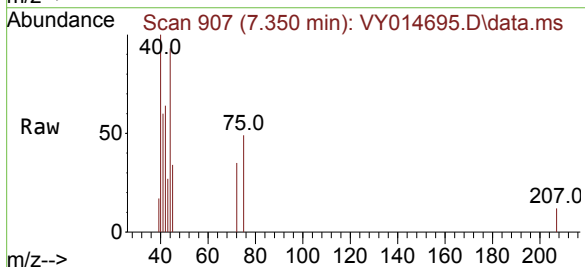
Instrument :
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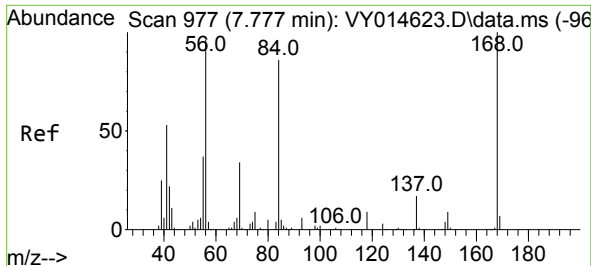
Tgt Ion: 77 Resp: 5608
Ion Ratio Lower Upper
77 100
97 0.0 10.9 32.9#



#29
Tetrahydrofuran
Concen: 1.225 ug/l
RT: 7.350 min Scan# 907
Delta R.T. 0.006 min
Lab File: VY014695.D
Acq: 18 Jul 2023 12:35

Tgt Ion: 42 Resp: 823
Ion Ratio Lower Upper
42 100
72 45.6 32.8 49.2
71 9.7 31.0 46.4#

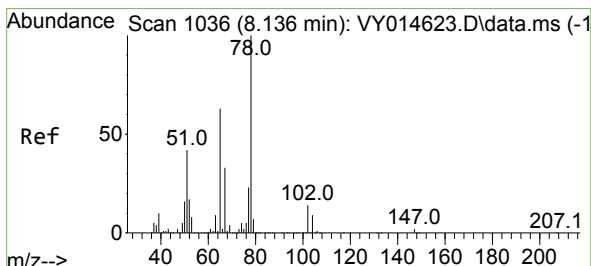
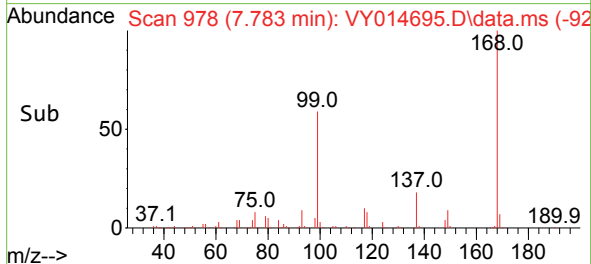
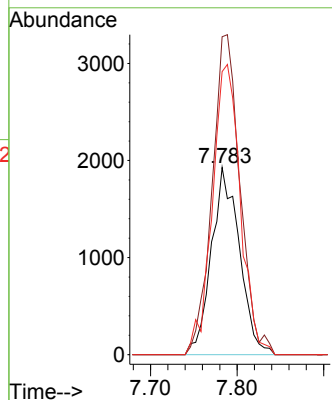
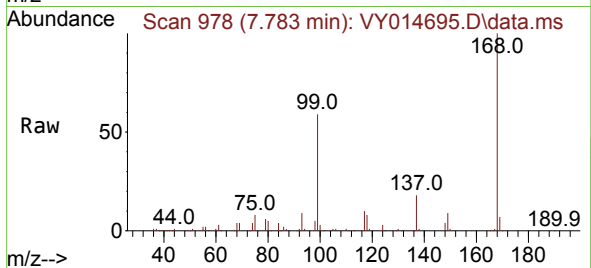




#31
Cyclohexane
Concen: 1.109 ug/l
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY014695.D
Acq: 18 Jul 2023 12:35

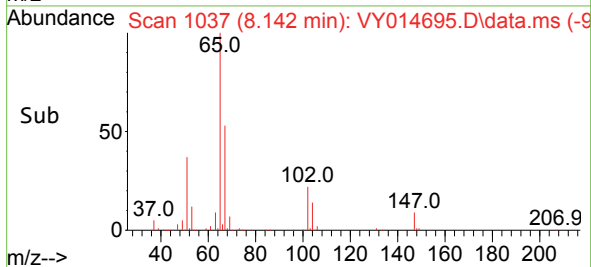
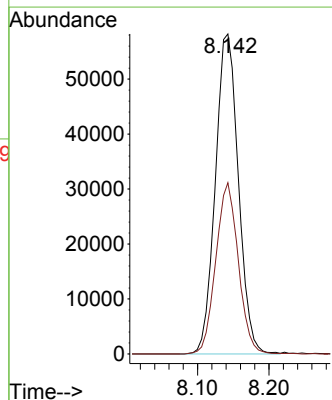
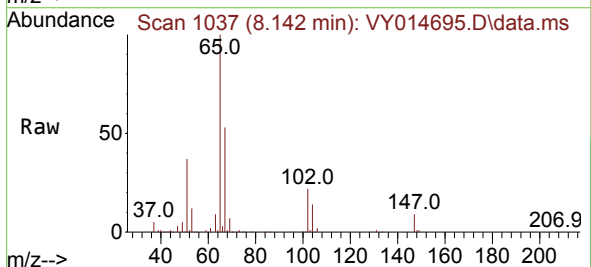
Instrument :
MSVOA_Y
ClientSampleId :
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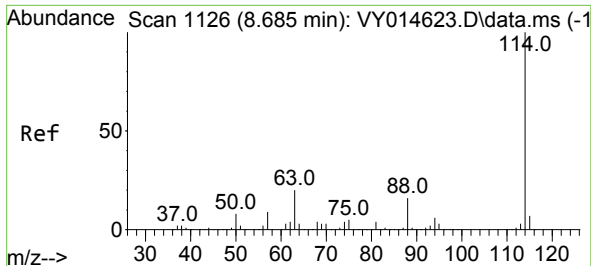
Tgt Ion: 56 Resp: 4334
Ion Ratio Lower Upper
56 100
69 169.8 27.8 41.6#
84 151.2 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 55.289 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY014695.D
Acq: 18 Jul 2023 12:35

Tgt Ion: 65 Resp: 130165
Ion Ratio Lower Upper
65 100
67 52.3 0.0 101.8

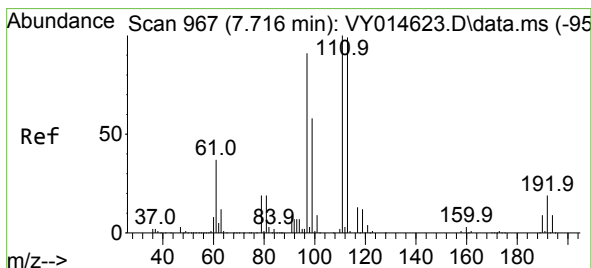
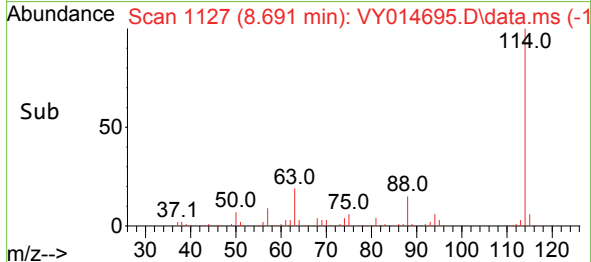
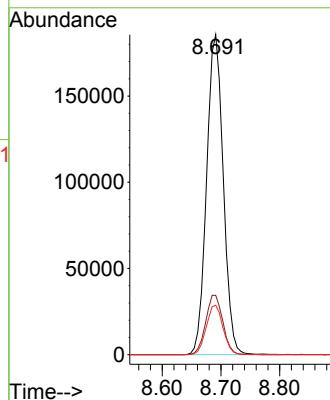
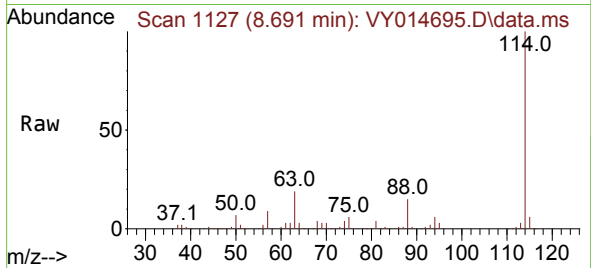




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.006 min
Lab File: VY014695.D
Acq: 18 Jul 2023 12:35

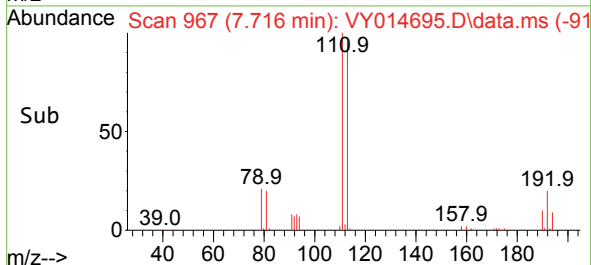
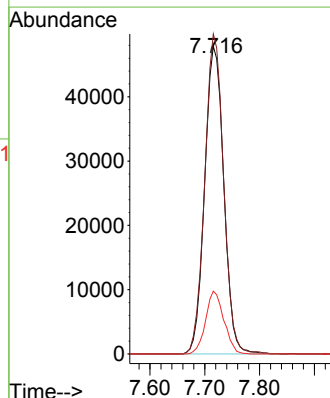
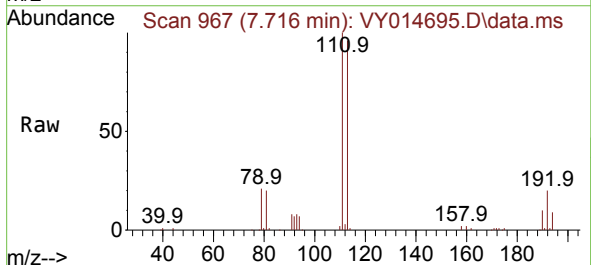
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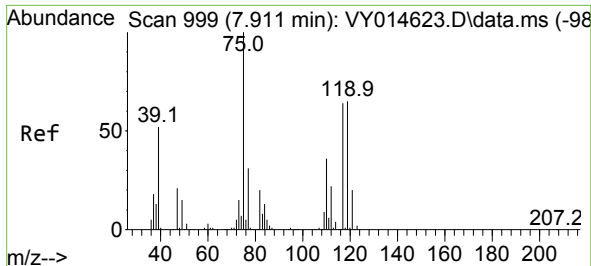
Tgt Ion:114 Resp: 366244
Ion Ratio Lower Upper
114 100
63 18.5 0.0 42.4
88 15.4 0.0 30.6



#35
Dibromofluoromethane
Concen: 49.600 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY014695.D
Acq: 18 Jul 2023 12:35

Tgt Ion:113 Resp: 115639
Ion Ratio Lower Upper
113 100
111 102.8 81.3 121.9
192 19.5 16.9 25.3

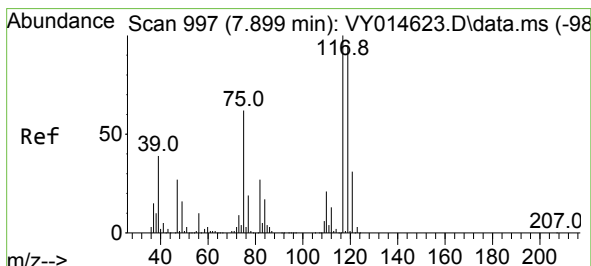
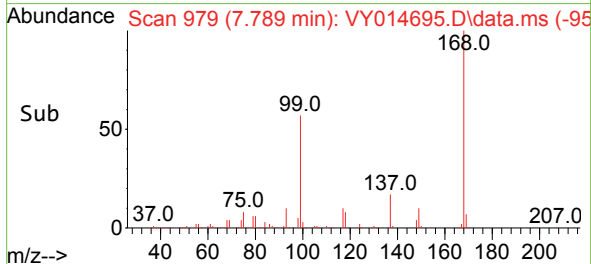
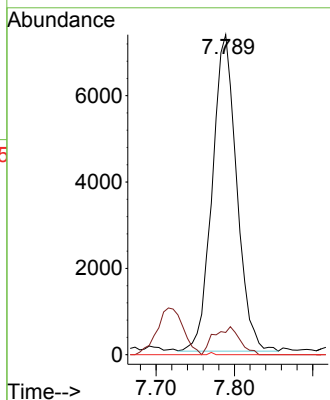
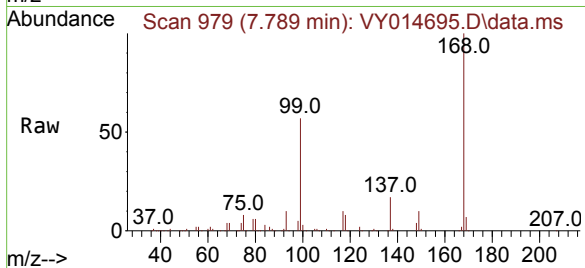




#36
1,1-Dichloropropene
Concen: 4.562 ug/l
RT: 7.789 min Scan# 919
Delta R.T. -0.122 min
Lab File: VY014695.D
Acq: 18 Jul 2023 12:35

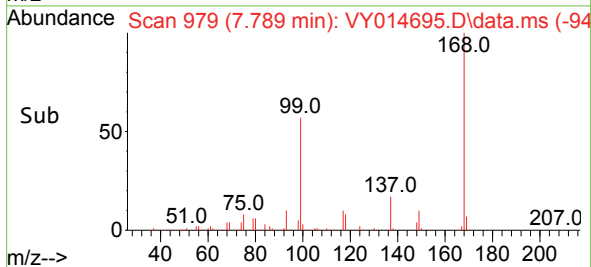
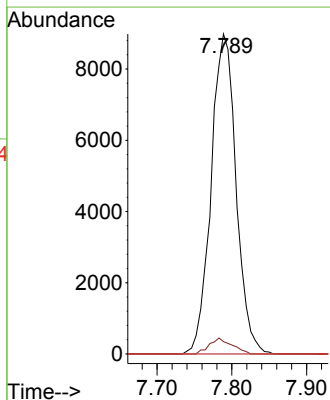
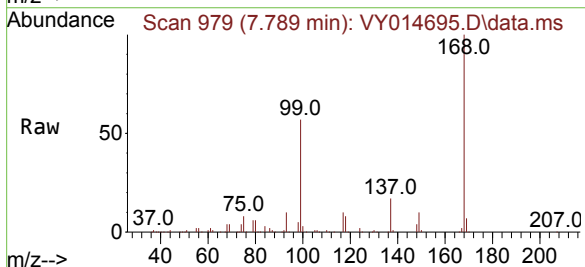
Instrument :
MSVOA_Y
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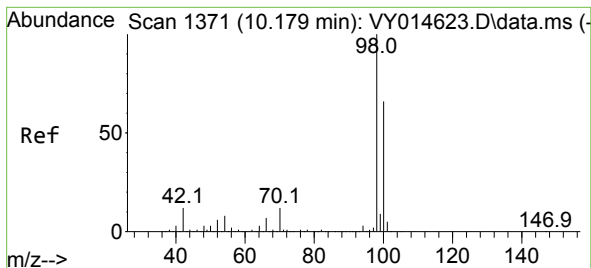
Tgt Ion: 75 Resp: 15907
Ion Ratio Lower Upper
75 100
110 9.3 17.8 53.5#
77 0.0 24.4 36.6#



#38
Carbon Tetrachloride
Concen: 5.668 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.110 min
Lab File: VY014695.D
Acq: 18 Jul 2023 12:35

Tgt Ion: 117 Resp: 20891
Ion Ratio Lower Upper
117 100
119 3.8 76.4 114.6#
121 0.0 25.8 38.6#





#50

Toluene-d8

Concen: 50.242 ug/l

RT: 10.179 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY014695.D

Acq: 18 Jul 2023 12:35

Instrument :

MSVOA_Y

ClientSampleId :

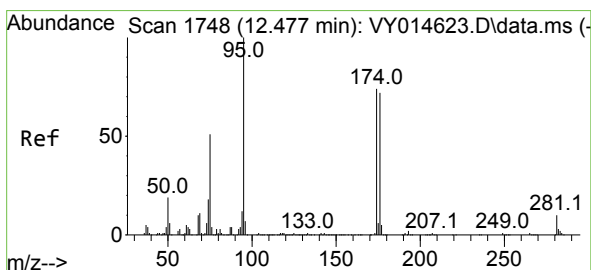
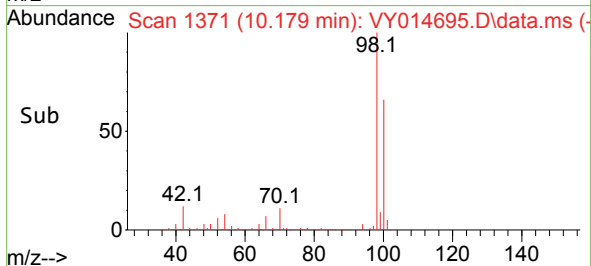
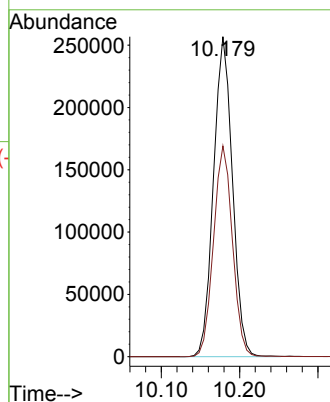
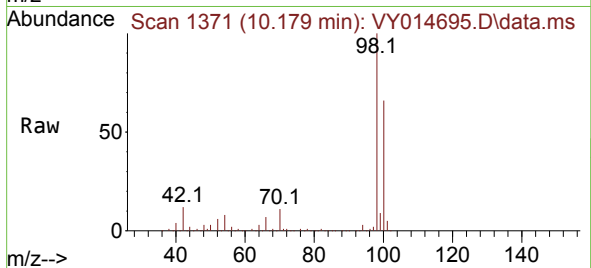
TP22

Tgt Ion: 98 Resp: 431854

Ion Ratio Lower Upper

98 100

100 65.9 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 49.869 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.000 min

Lab File: VY014695.D

Acq: 18 Jul 2023 12:35

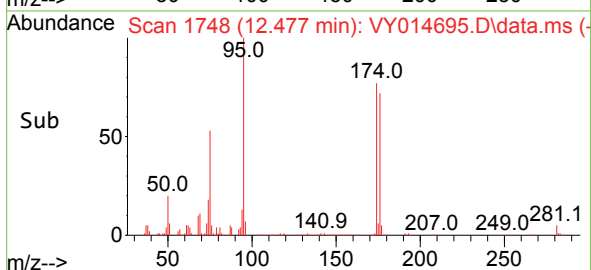
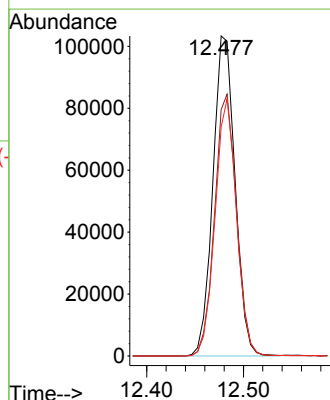
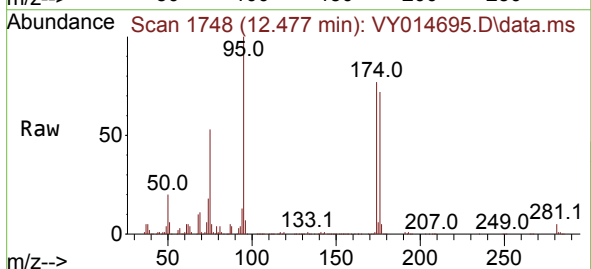
Tgt Ion: 95 Resp: 164359

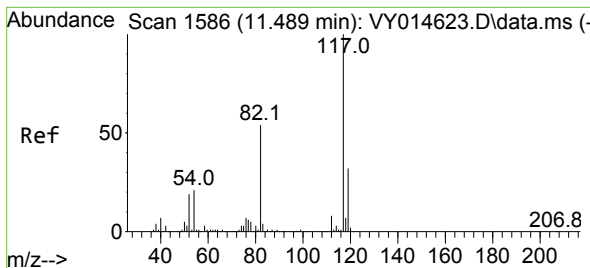
Ion Ratio Lower Upper

95 100

174 81.2 0.0 178.2

176 77.7 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY014695.D

Acq: 18 Jul 2023 12:35

Instrument :

MSVOA_Y

ClientSampleId :

TP22

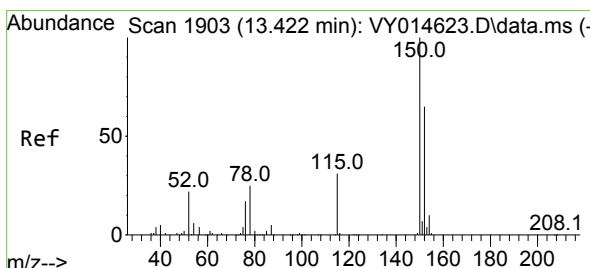
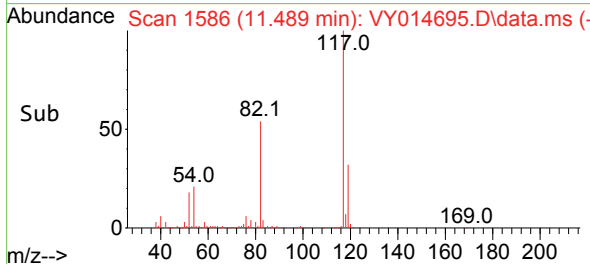
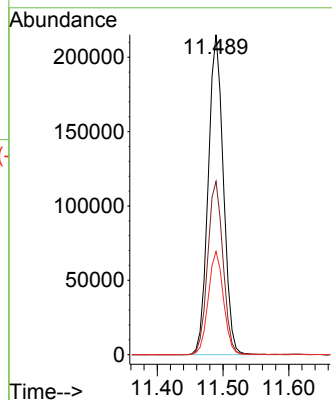
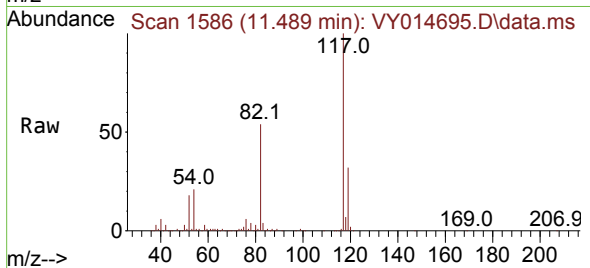
Tgt Ion:117 Resp: 345261

Ion Ratio Lower Upper

117 100

82 54.2 43.4 65.0

119 32.2 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY014695.D

Acq: 18 Jul 2023 12:35

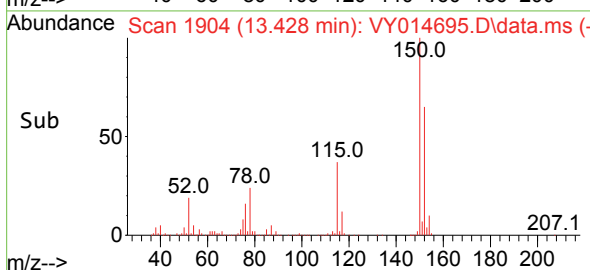
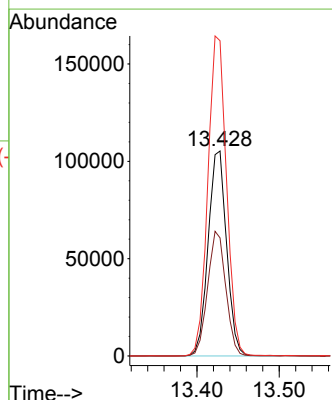
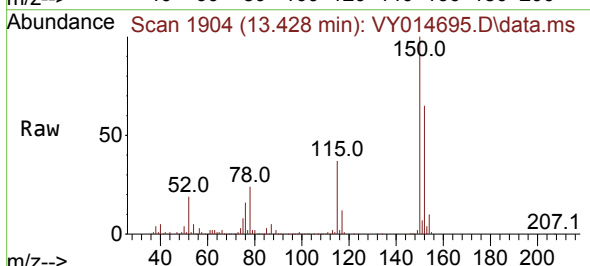
Tgt Ion:152 Resp: 164265

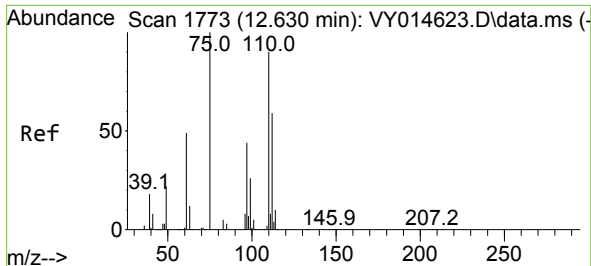
Ion Ratio Lower Upper

152 100

115 59.9 28.8 86.5

150 157.4 0.0 348.8

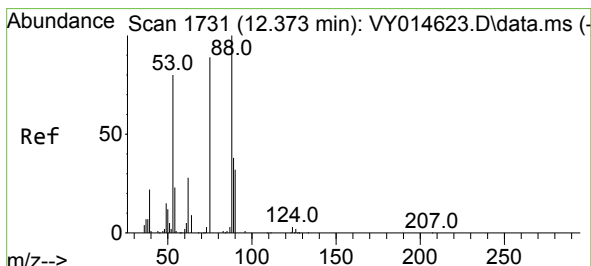
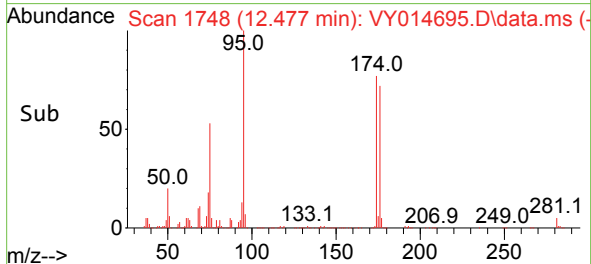
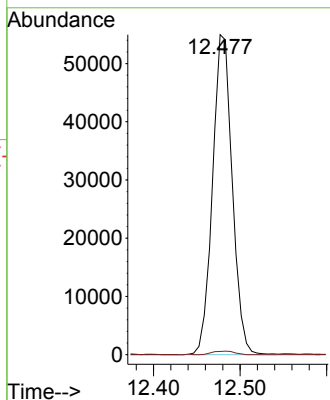
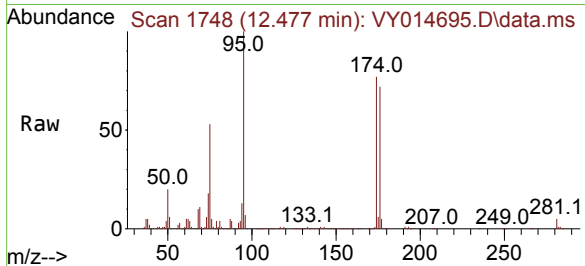




#76
1,2,3-Trichloropropane
Concen: 41.816 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY014695.D
Acq: 18 Jul 2023 12:35

Instrument :
MSVOA_Y
ClientSampleId :
TP22

Tgt Ion: 75 Resp: 86753
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 80.964 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY014695.D
Acq: 18 Jul 2023 12:35

Tgt Ion: 75 Resp: 86753
Ion Ratio Lower Upper
75 100
53 0.1 77.8 116.8#
89 0.1 37.4 56.0#

