

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY071723\
 Data File : VY014679.D
 Acq On : 17 Jul 2023 17:54
 Operator : SY/MD
 Sample : 03631-05
 Misc : 6.76g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-07(3-5)

Quant Time: Jul 18 06:12:38 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)

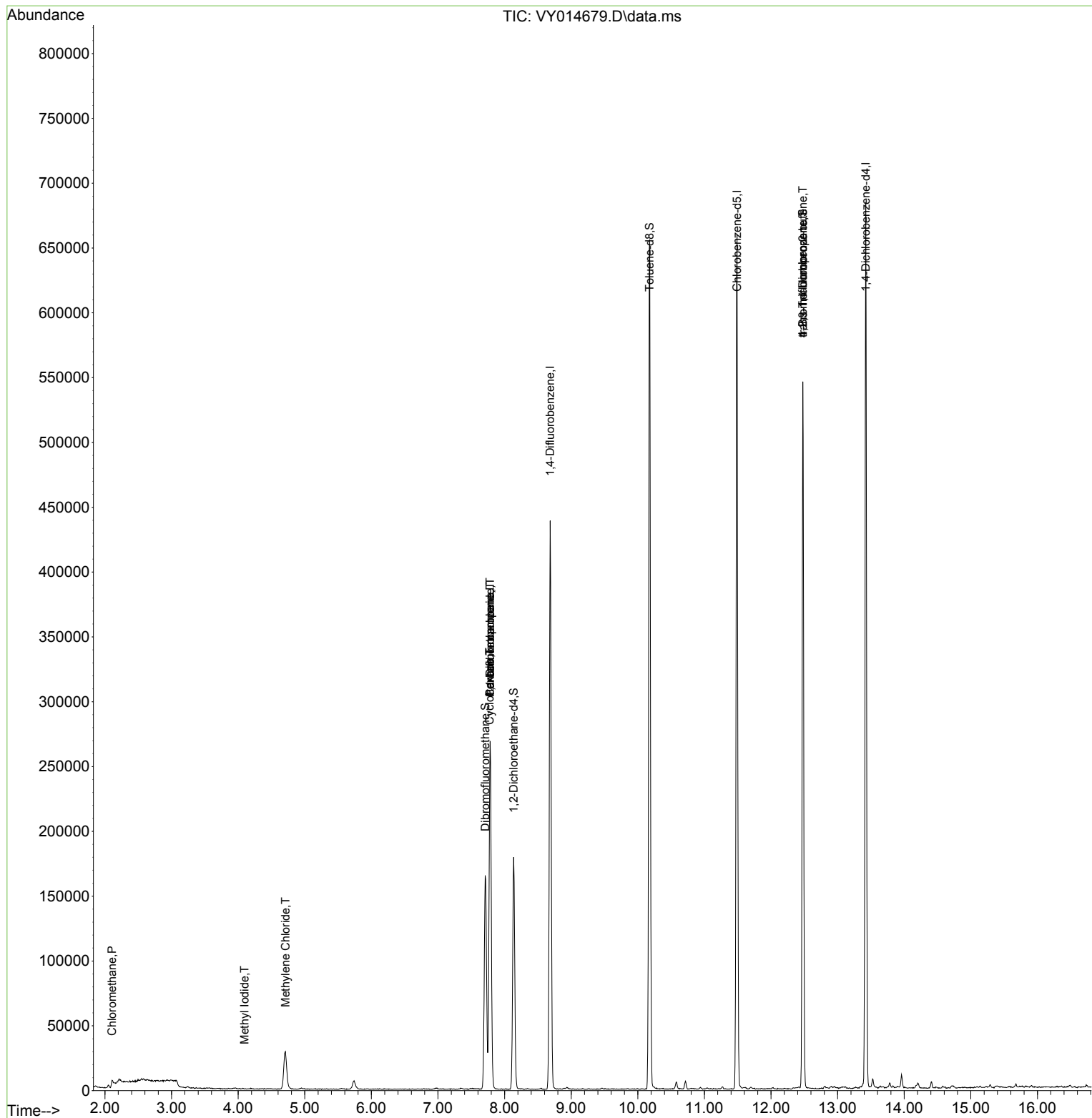
Internal Standards						
1) Pentafluorobenzene	7.783	168	212014	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	372842	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	353070	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	169405	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	136010	56.296	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 112.600%	
35) Dibromofluoromethane	7.710	113	120363	50.713	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.420%	
50) Toluene-d8	10.179	98	441396	50.444	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 100.880%	
62) 4-Bromofluorobenzene	12.477	95	169693	50.576	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 101.160%	
Target Compounds						Qvalue
3) Chloromethane	2.107	50	2605	1.342	ug/l	89
10) Methyl Iodide	4.095	142	170	2.438	ug/l #	65
11) Tert butyl alcohol	4.948	59	1090	Below Cal	#	89
20) Methylene Chloride	4.710	84	22533	5.283	ug/l	88
31) Cyclohexane	7.777	56	4727	1.179	ug/l #	15
36) 1,1-Dichloropropene	7.783	75	16620	4.683	ug/l #	49
38) Carbon Tetrachloride	7.783	117	20790	5.541	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	87217	40.764	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	87217	78.927	ug/l #	11

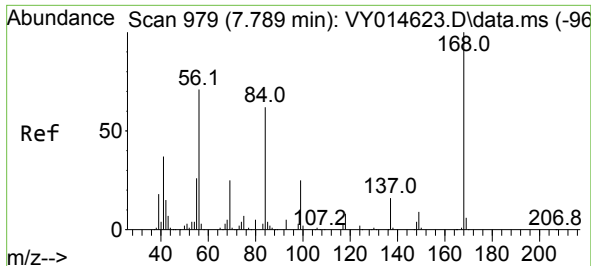
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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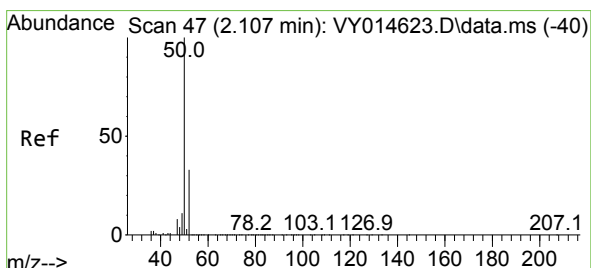
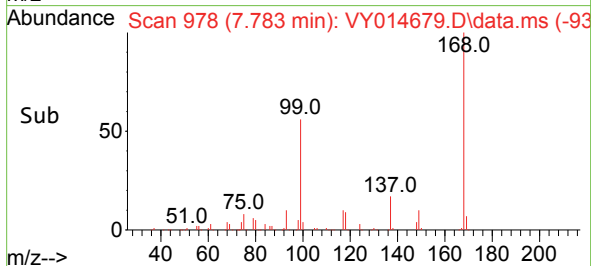
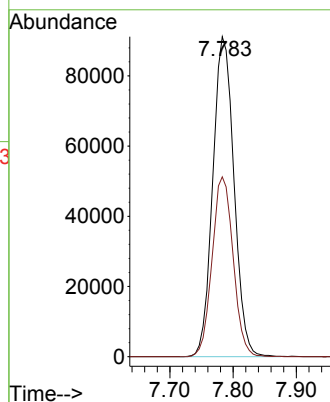
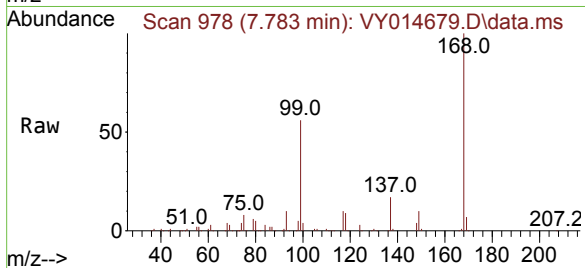




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY014679.D
Acq: 17 Jul 2023 17:54

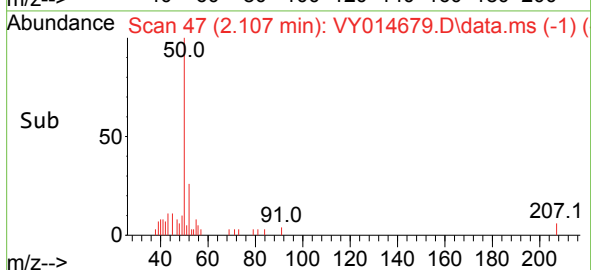
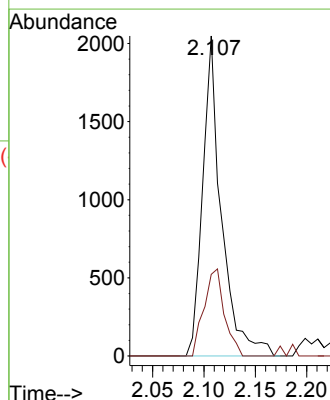
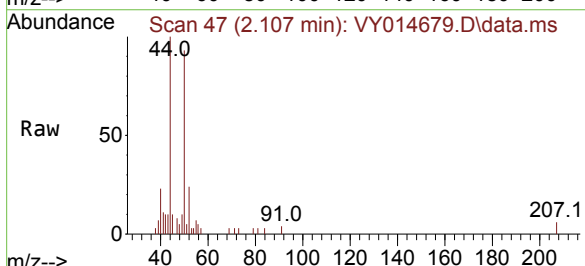
Instrument :
MSVOA_Y
ClientSampleId :
SB-07(3-5)

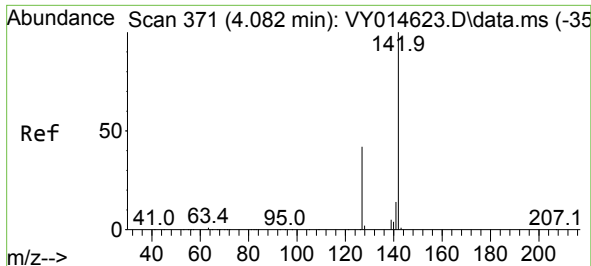
Tgt Ion:168 Resp: 212014
Ion Ratio Lower Upper
168 100
99 56.2 43.4 65.0



#3
Chloromethane
Concen: 1.342 ug/l
RT: 2.107 min Scan# 47
Delta R.T. 0.000 min
Lab File: VY014679.D
Acq: 17 Jul 2023 17:54

Tgt Ion: 50 Resp: 2605
Ion Ratio Lower Upper
50 100
52 25.5 25.4 38.2

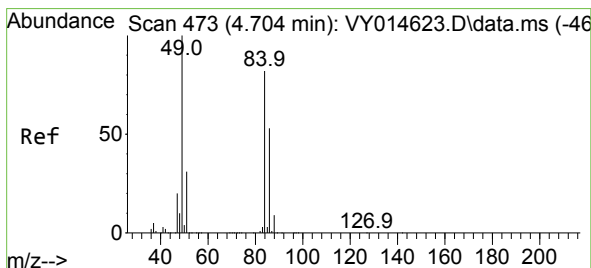
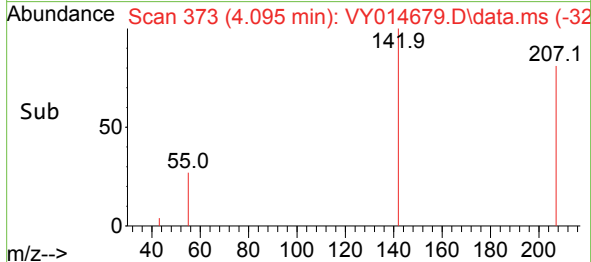
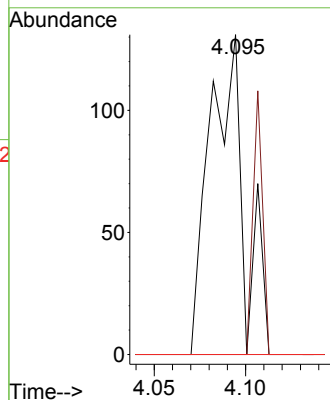
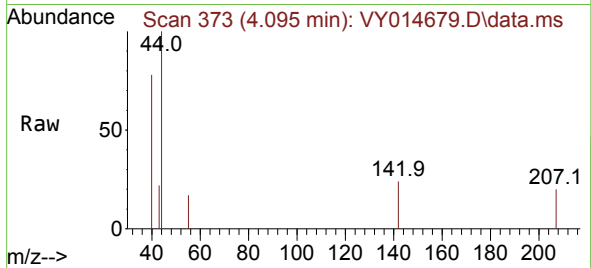




#10
Methyl Iodide
Concen: 2.438 ug/l
RT: 4.095 min Scan# 31
Delta R.T. 0.013 min
Lab File: VY014679.D
Acq: 17 Jul 2023 17:54

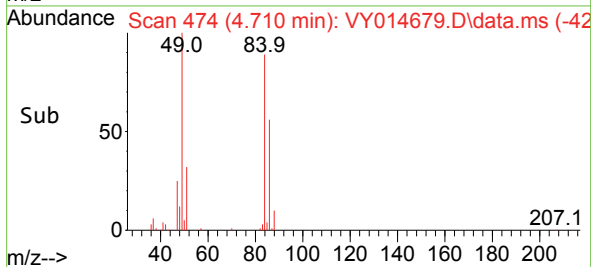
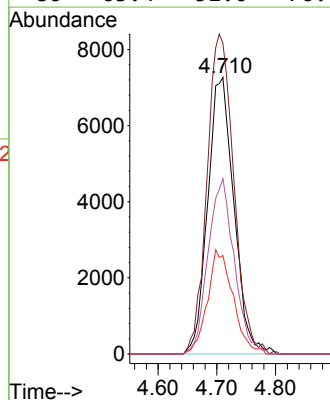
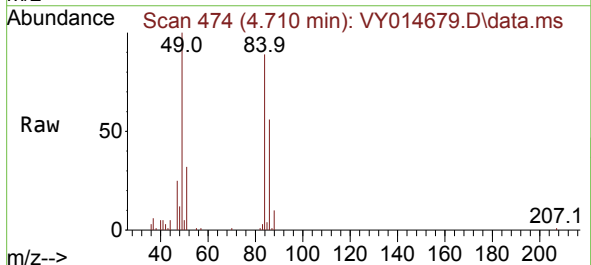
Instrument :
MSVOA_Y
ClientSampleId :
SB-07(3-5)

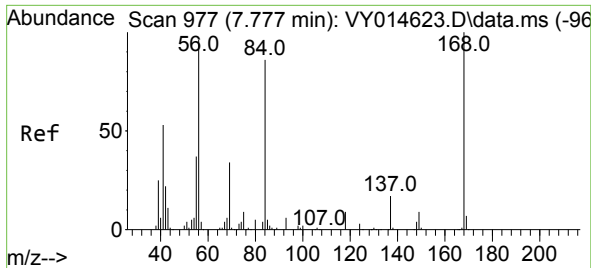
Tgt Ion:142 Resp: 170
Ion Ratio Lower Upper
142 100
127 23.5 37.6 56.4#
141 0.0 11.8 17.8#



#20
Methylene Chloride
Concen: 5.283 ug/l
RT: 4.710 min Scan# 474
Delta R.T. 0.006 min
Lab File: VY014679.D
Acq: 17 Jul 2023 17:54

Tgt Ion: 84 Resp: 22533
Ion Ratio Lower Upper
84 100
49 112.2 106.9 160.3
51 35.6 33.2 49.8
86 63.4 51.0 76.6

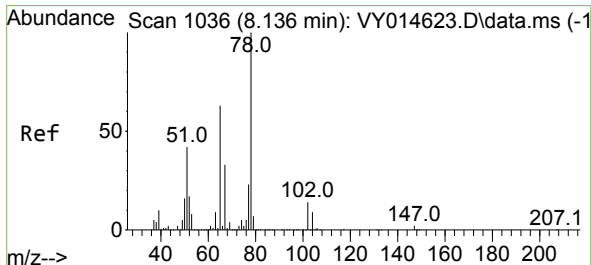
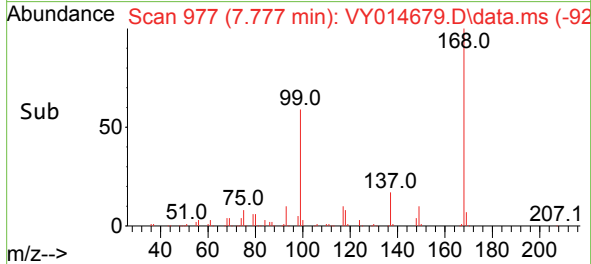
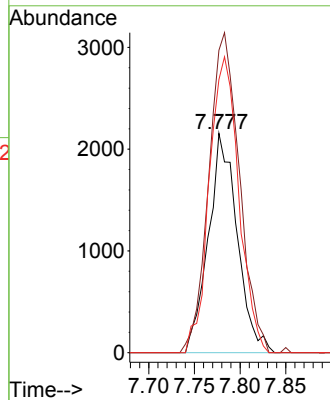
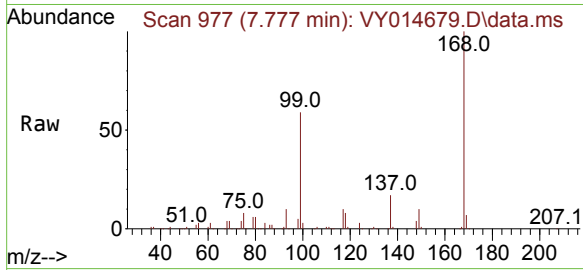




#31
Cyclohexane
Concen: 1.179 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY014679.D
Acq: 17 Jul 2023 17:54

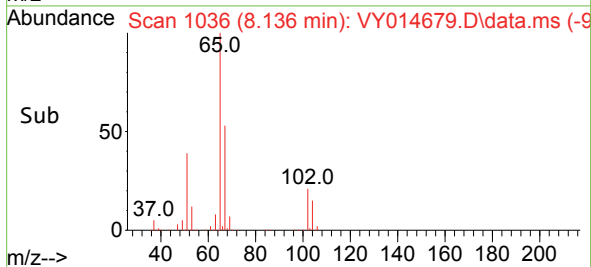
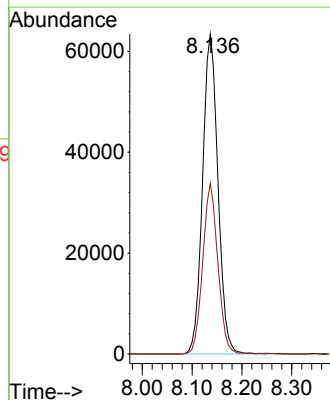
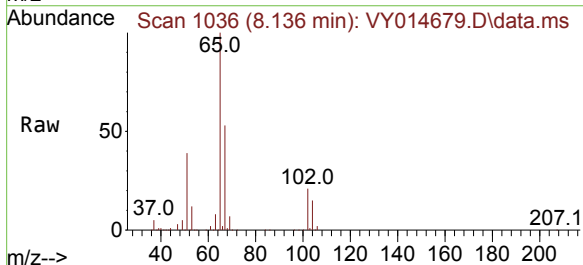
Instrument :
MSVOA_Y
ClientSampleId :
SB-07(3-5)

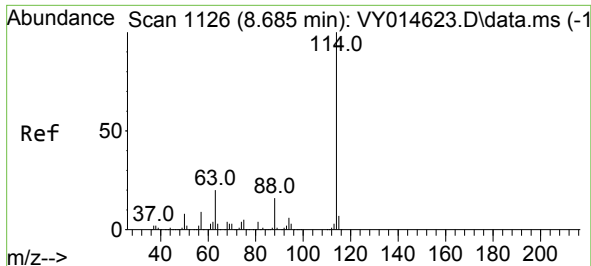
Tgt Ion: 56 Resp: 4727
Ion Ratio Lower Upper
56 100
69 137.8 27.8 41.6#
84 124.5 66.4 99.6#



#33
1,2-Dichloroethane-d4
Concen: 56.296 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY014679.D
Acq: 17 Jul 2023 17:54

Tgt Ion: 65 Resp: 136010
Ion Ratio Lower Upper
65 100
67 52.3 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY014679.D

Acq: 17 Jul 2023 17:54

Instrument :

MSVOA_Y

ClientSampleId :

SB-07(3-5)

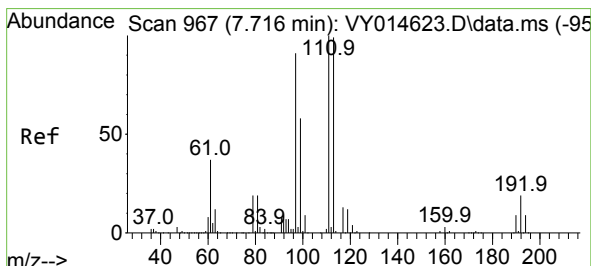
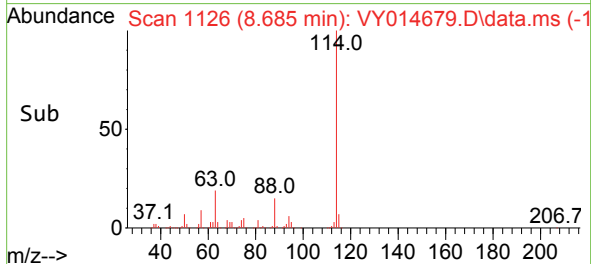
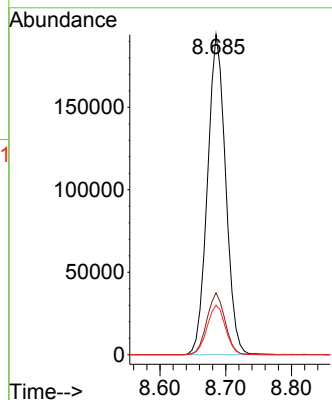
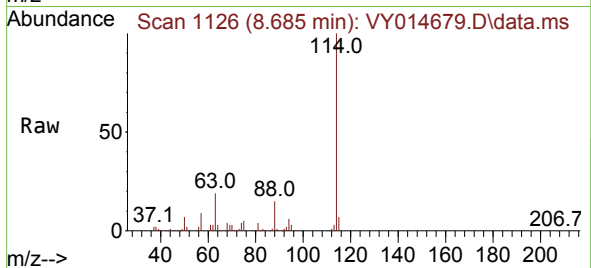
Tgt Ion:114 Resp: 372842

Ion Ratio Lower Upper

114 100

63 19.4 0.0 42.4

88 15.4 0.0 30.6



#35

Dibromofluoromethane

Concen: 50.713 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.006 min

Lab File: VY014679.D

Acq: 17 Jul 2023 17:54

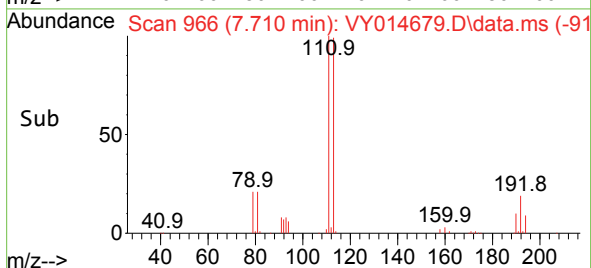
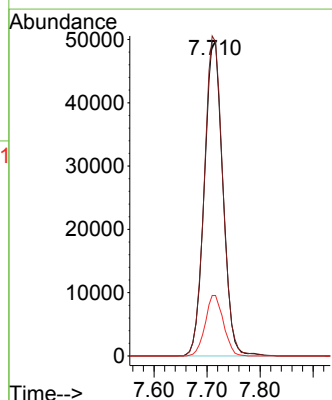
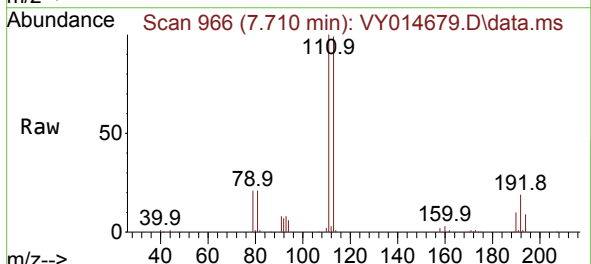
Tgt Ion:113 Resp: 120363

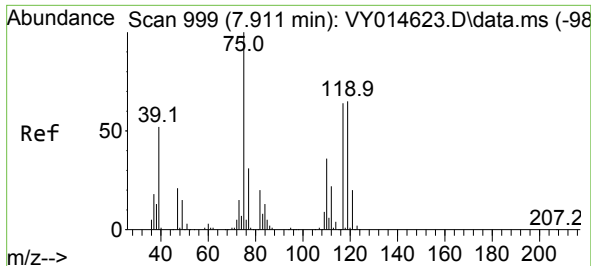
Ion Ratio Lower Upper

113 100

111 101.5 81.3 121.9

192 18.9 16.9 25.3





#36

1,1-Dichloropropene

Concen: 4.683 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY014679.D

Acq: 17 Jul 2023 17:54

Instrument :

MSVOA_Y

ClientSampleId :

SB-07(3-5)

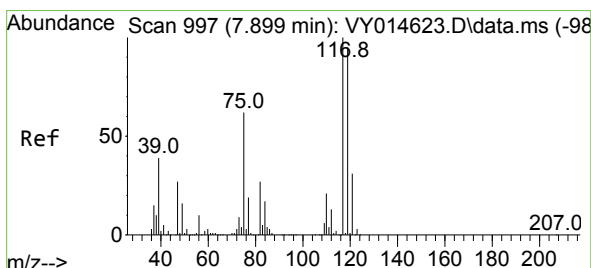
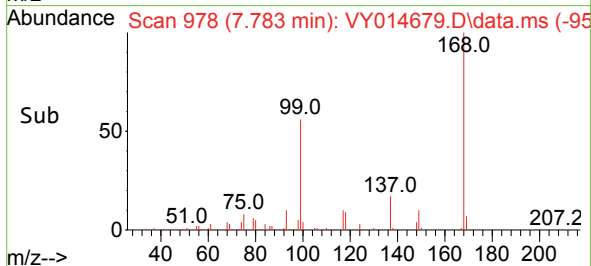
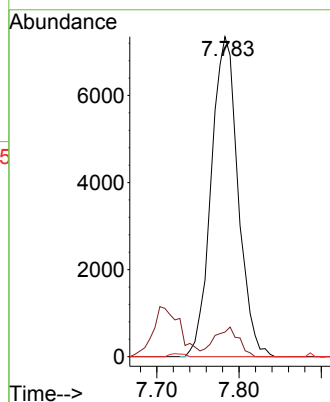
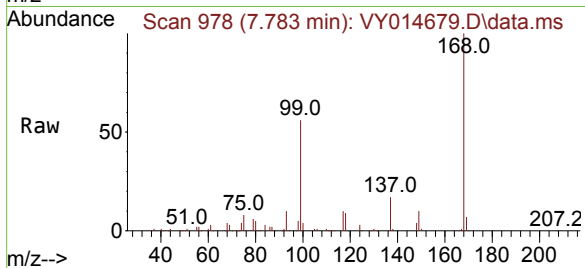
Tgt Ion: 75 Resp: 16620

Ion Ratio Lower Upper

75 100

110 8.4 17.8 53.5#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.541 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY014679.D

Acq: 17 Jul 2023 17:54

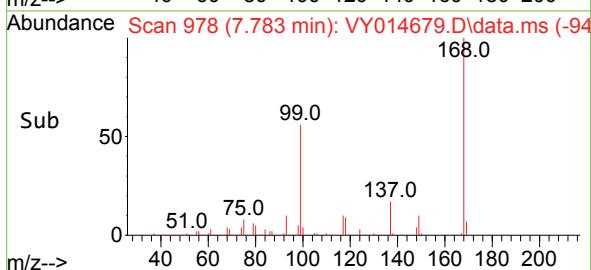
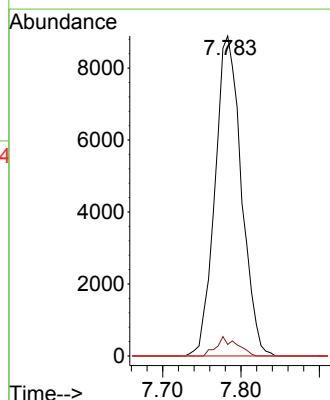
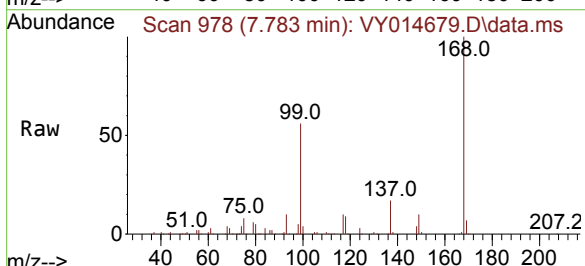
Tgt Ion: 117 Resp: 20790

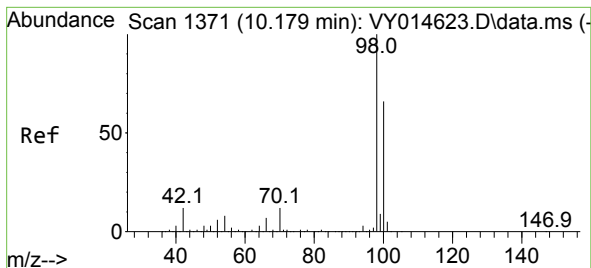
Ion Ratio Lower Upper

117 100

119 3.6 76.4 114.6#

121 0.0 25.8 38.6#





#50

Toluene-d8

Concen: 50.444 ug/l

RT: 10.179 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY014679.D

Acq: 17 Jul 2023 17:54

Instrument :

MSVOA_Y

ClientSampleId :

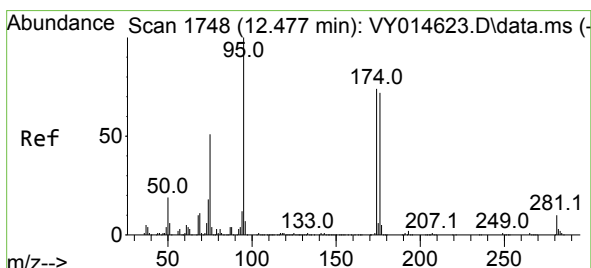
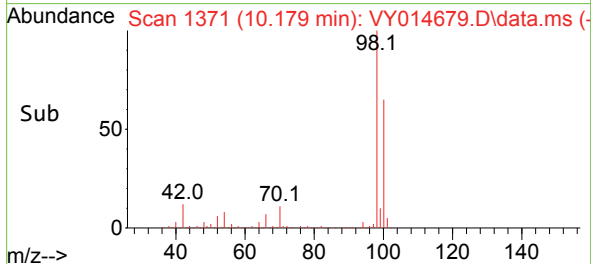
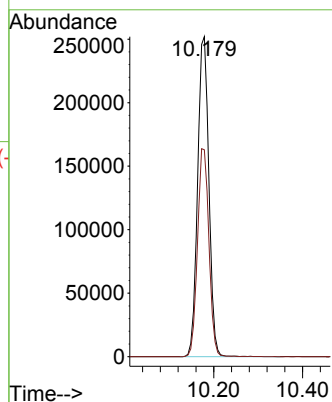
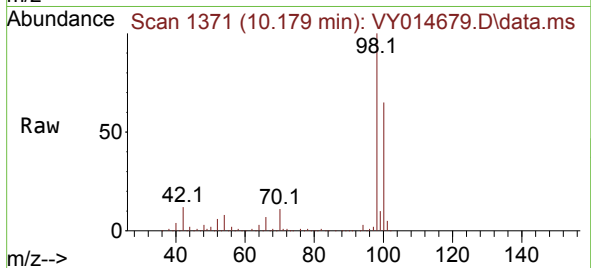
SB-07(3-5)

Tgt Ion: 98 Resp: 441396

Ion Ratio Lower Upper

98 100

100 65.9 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 50.576 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.000 min

Lab File: VY014679.D

Acq: 17 Jul 2023 17:54

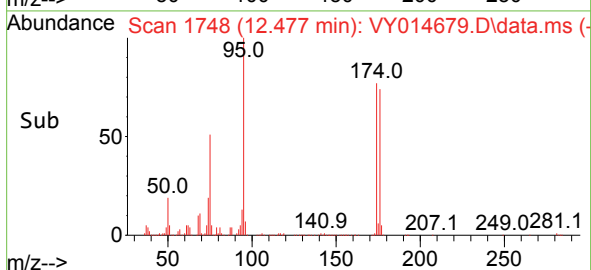
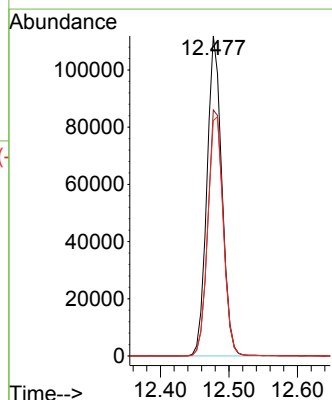
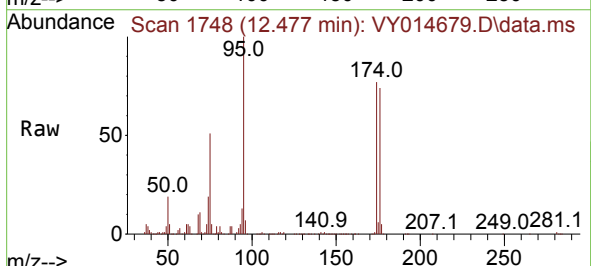
Tgt Ion: 95 Resp: 169693

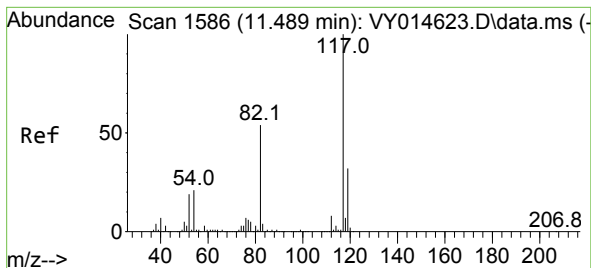
Ion Ratio Lower Upper

95 100

174 80.0 0.0 178.2

176 77.7 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.001 min

Lab File: VY014679.D

Acq: 17 Jul 2023 17:54

Instrument :

MSVOA_Y

ClientSampleId :

SB-07(3-5)

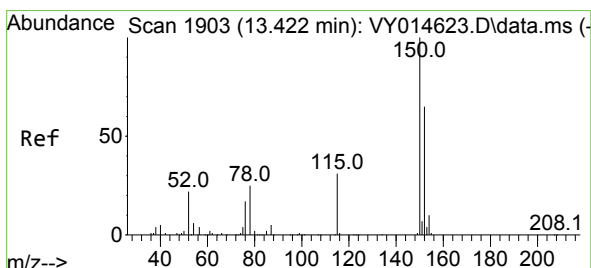
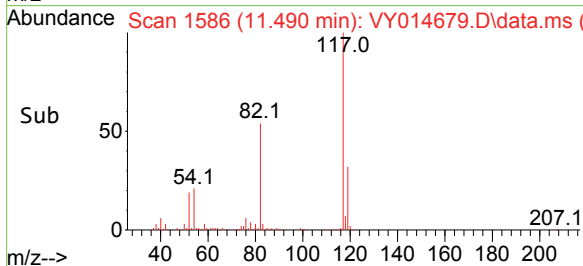
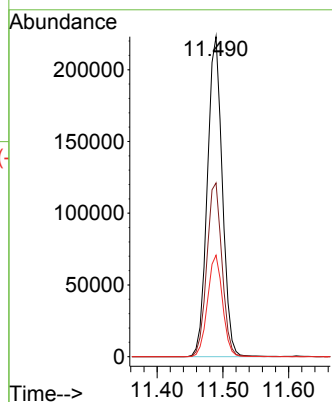
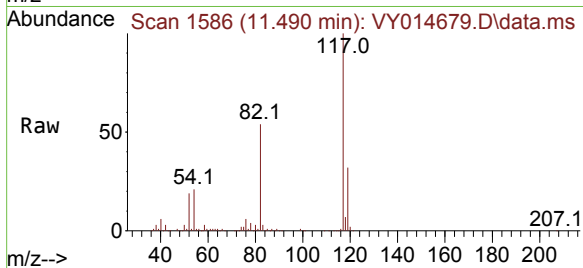
Tgt Ion:117 Resp: 353070

Ion Ratio Lower Upper

117 100

82 54.3 43.4 65.0

119 31.7 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY014679.D

Acq: 17 Jul 2023 17:54

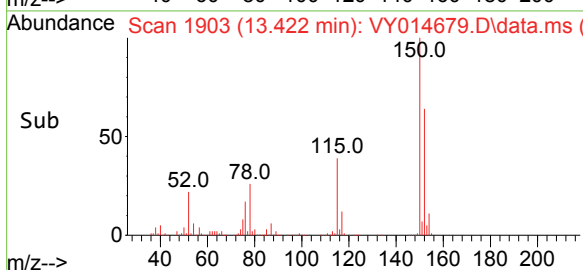
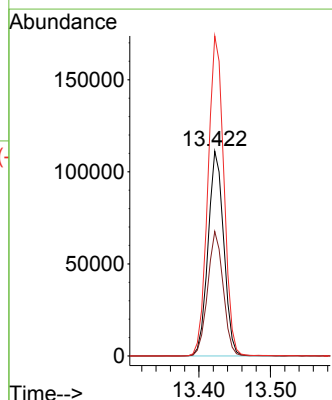
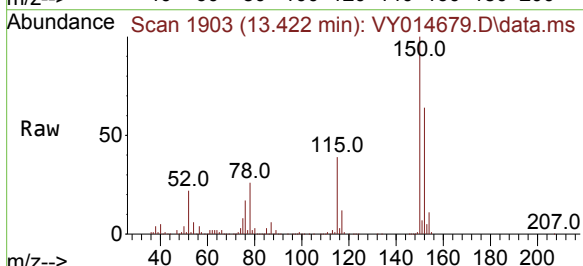
Tgt Ion:152 Resp: 169405

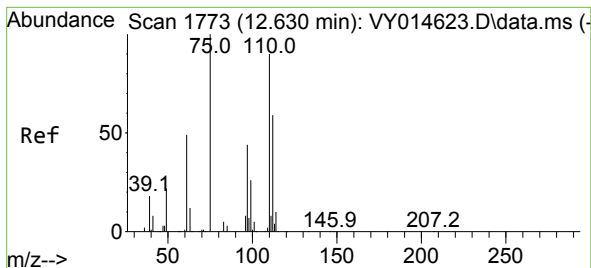
Ion Ratio Lower Upper

152 100

115 60.4 28.8 86.5

150 158.5 0.0 348.8

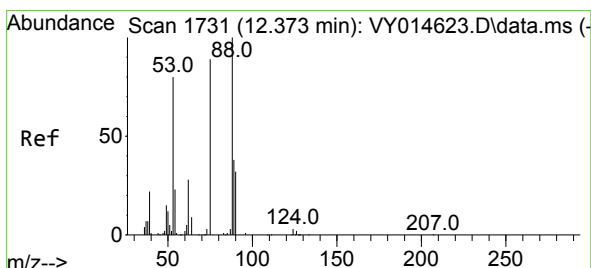
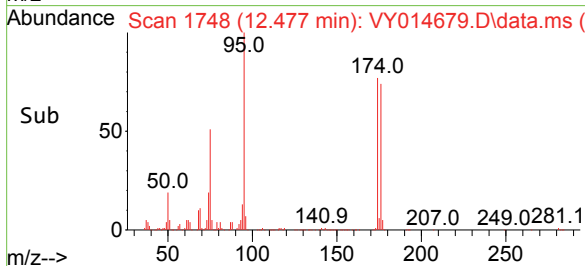
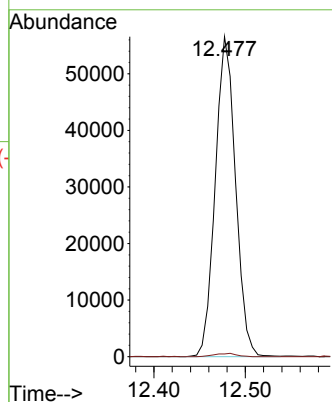
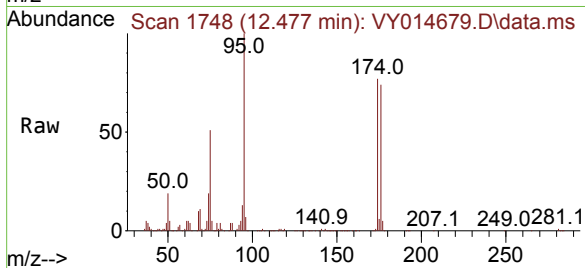




#76
1,2,3-Trichloropropane
Concen: 40.764 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY014679.D
Acq: 17 Jul 2023 17:54

Instrument :
MSVOA_Y
ClientSampleId :
SB-07(3-5)

Tgt Ion: 75 Resp: 87217
Ion Ratio Lower Upper
75 100
77 1.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 78.927 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY014679.D
Acq: 17 Jul 2023 17:54

Tgt Ion: 75 Resp: 87217
Ion Ratio Lower Upper
75 100
53 0.0 77.8 116.8#
89 0.0 37.4 56.0#

