

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY072522\
 Data File : VY009680.D
 Acq On : 25 Jul 2022 12:40
 Operator : KP/MD
 Sample : N3858-03
 Misc : 3.19g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-B

Quant Time: Jul 26 05:56:02 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y071822S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 19 04:22:09 2022
 Response via : Initial Calibration

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

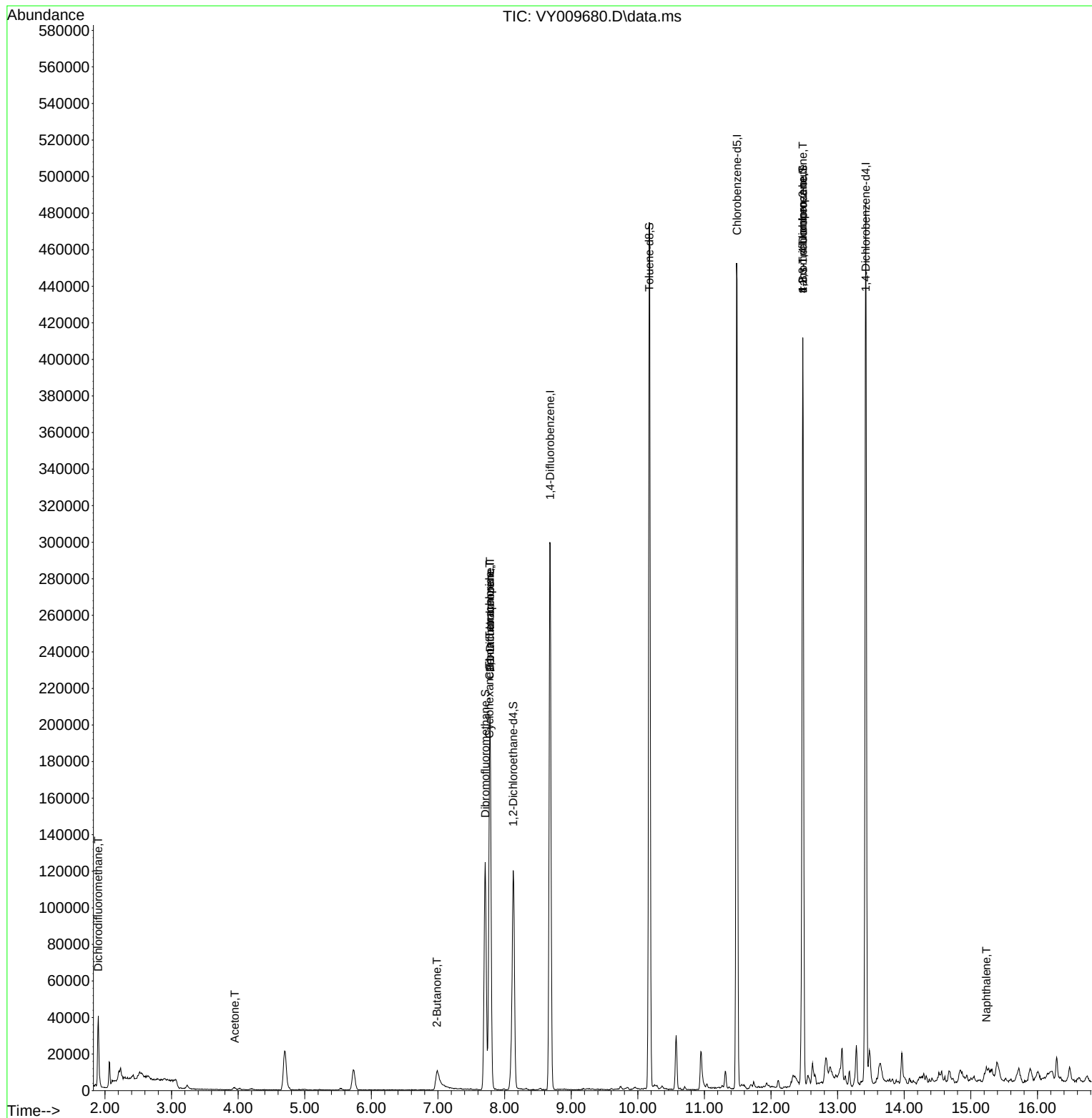
Internal Standards						
1) Pentafluorobenzene	7.783	168	172291	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	272705	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	264567	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	131968	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.130	65	88067	54.047	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 108.100%	
35) Dibromofluoromethane	7.710	113	85285	49.641	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 99.280%	
50) Toluene-d8	10.173	98	314229	47.577	ug/l	0.00
Spiked Amount	50.000	Range	78 - 125	Recovery	= 95.160%	
62) 4-Bromofluorobenzene	12.477	95	112625	52.626	ug/l	0.00
Spiked Amount	50.000	Range	50 - 146	Recovery	= 105.260%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.900	85	29874	19.761	ug/l	99
11) Tert butyl alcohol	4.960	59	362	Below Cal	#	77
16) Acetone	3.948	43	2431	5.898	ug/l #	82
20) Methylene Chloride	4.698	84	17284	Below Cal	#	83
25) 2-Butanone	6.984	43	830	1.380	ug/l #	54
31) Cyclohexane	7.771	56	3200	1.114	ug/l #	20
36) 1,1-Dichloropropene	7.783	75	11460	4.514	ug/l #	51
38) Carbon Tetrachloride	7.777	117	15149	5.700	ug/l #	16
76) 1,2,3-Trichloropropane	12.477	75	57230	45.524	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	57230	89.764	ug/l #	8
95) Naphthalene	15.233	128	4860	1.021	ug/l #	92

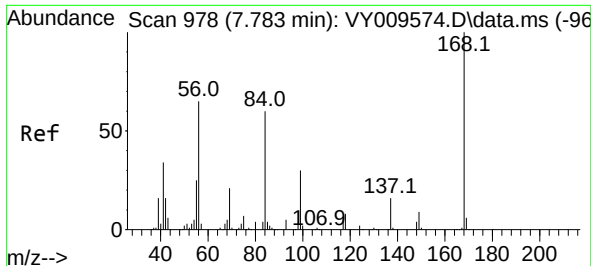
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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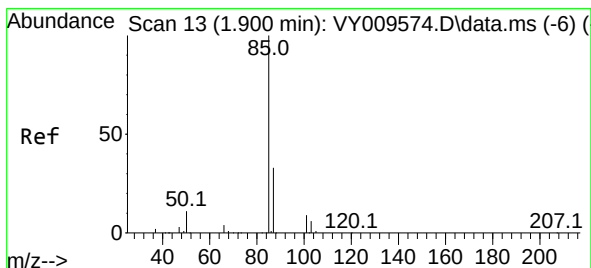
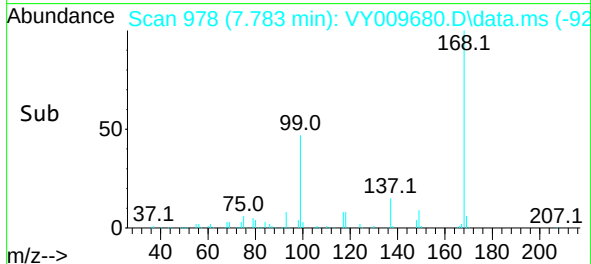
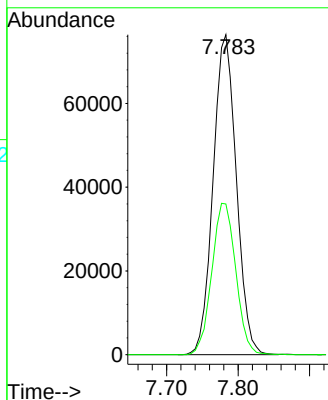
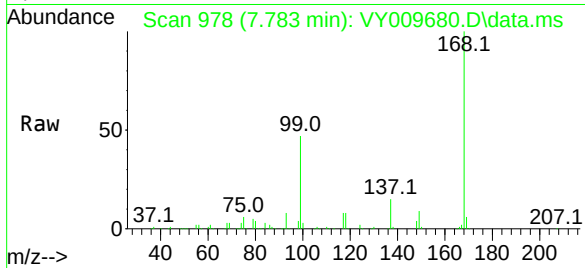




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009680.D
Acq: 25 Jul 2022 12:40

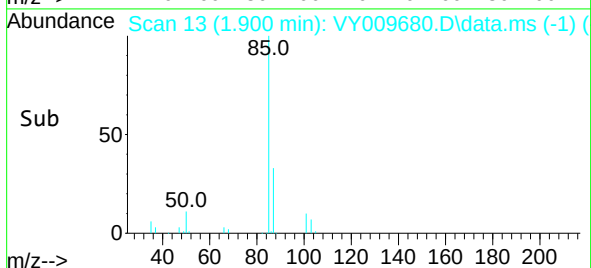
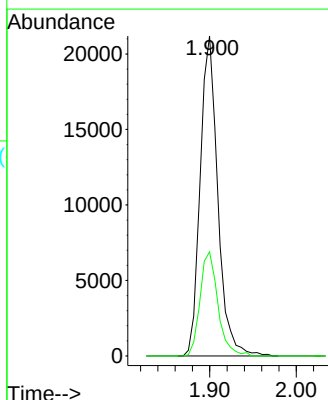
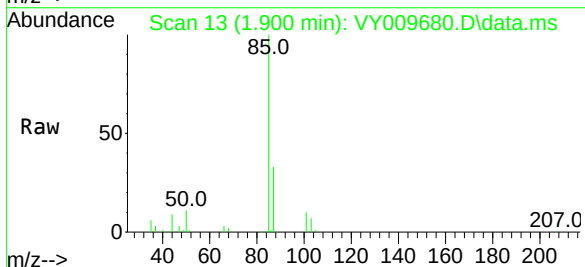
Instrument :
MSVOA_Y
ClientSampleId :
SB-B

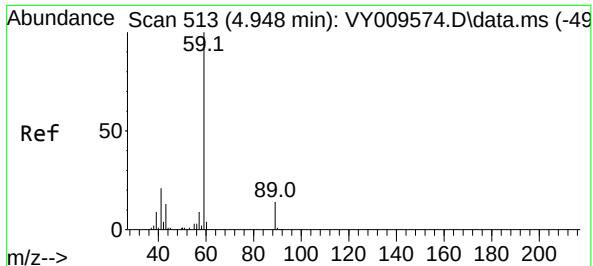
Tgt Ion:168 Resp: 172291
Ion Ratio Lower Upper
168 100
99 47.1 46.9 70.3



#2
Dichlorodifluoromethane
Concen: 19.761 ug/l
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY009680.D
Acq: 25 Jul 2022 12:40

Tgt Ion: 85 Resp: 29874
Ion Ratio Lower Upper
85 100
87 32.5 16.1 48.2

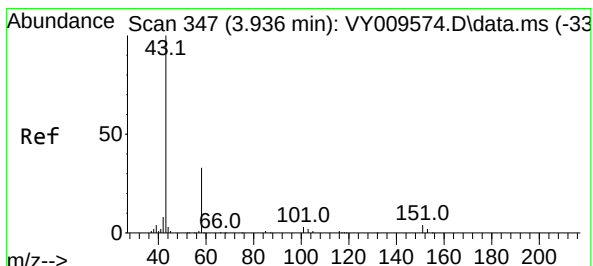
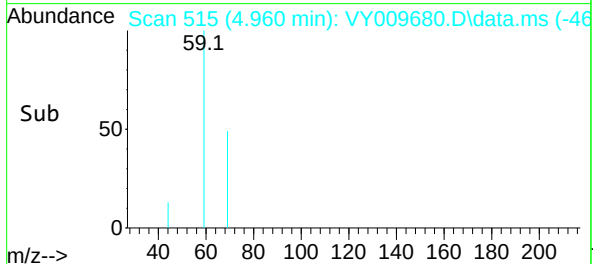
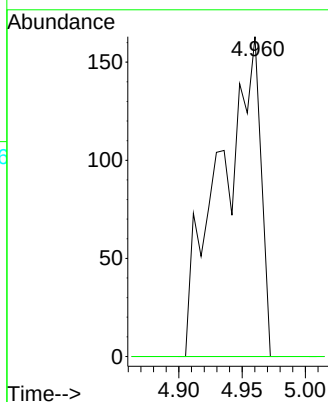
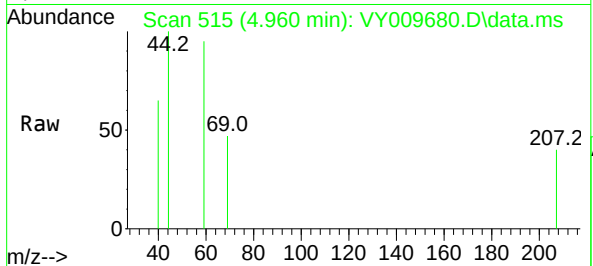




#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.960 min Scan# 513
Delta R.T. 0.012 min
Lab File: VY009680.D
Acq: 25 Jul 2022 12:40

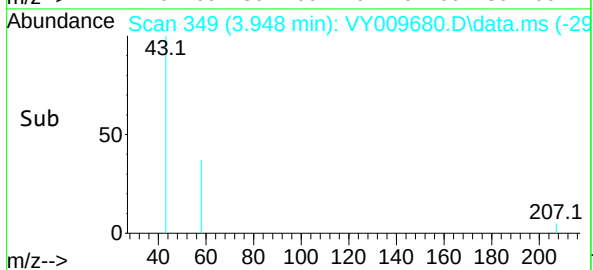
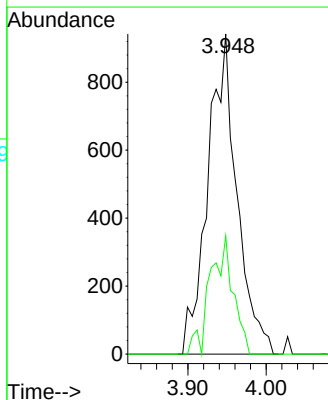
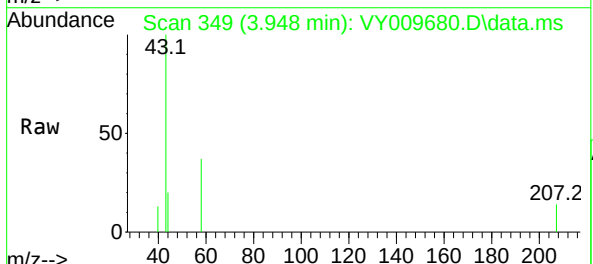
Instrument :
MSVOA_Y
ClientSampleId :
SB-B

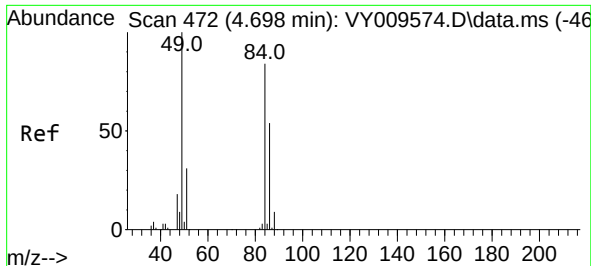
Tgt Ion: 59 Resp: 362
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#



#16
Acetone
Concen: 5.898 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.012 min
Lab File: VY009680.D
Acq: 25 Jul 2022 12:40

Tgt Ion: 43 Resp: 2431
Ion Ratio Lower Upper
43 100
58 36.9 22.0 33.0#

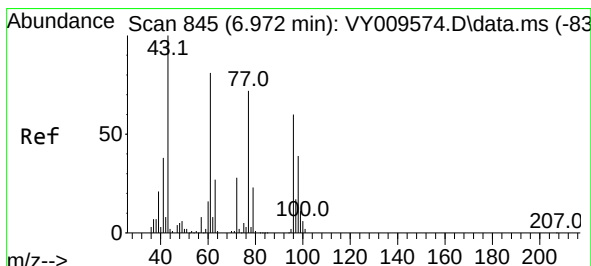
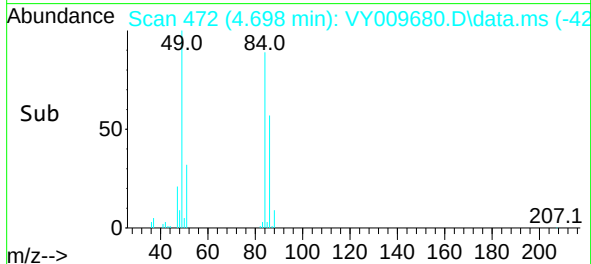
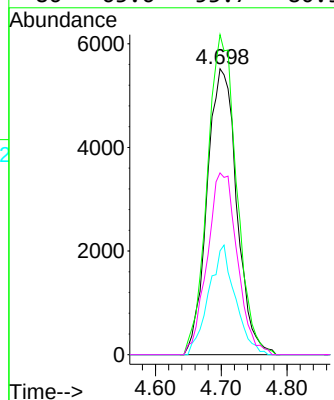
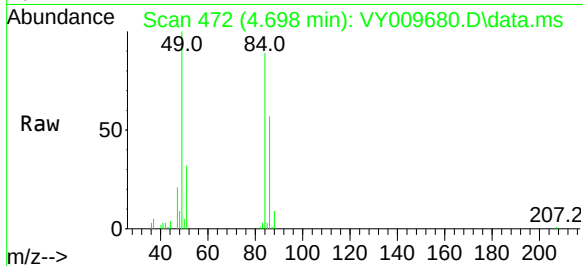




#20
Methylene Chloride
Concen: Below Cal
RT: 4.698 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY009680.D
Acq: 25 Jul 2022 12:40

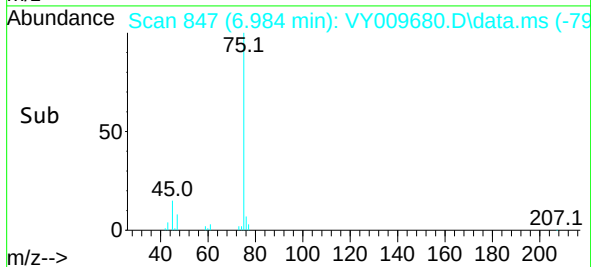
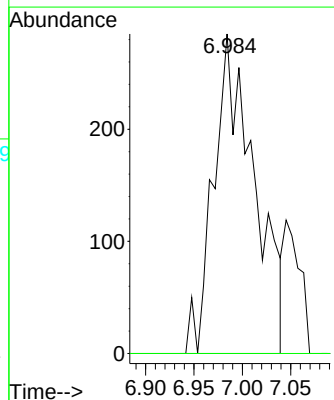
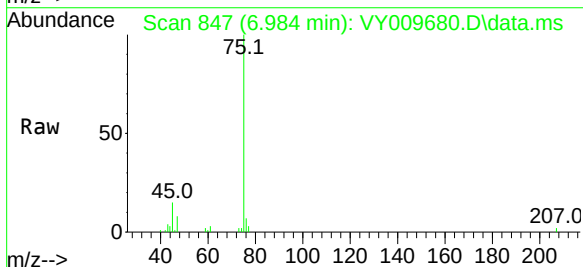
Instrument :
MSVOA_Y
ClientSampleId :
SB-B

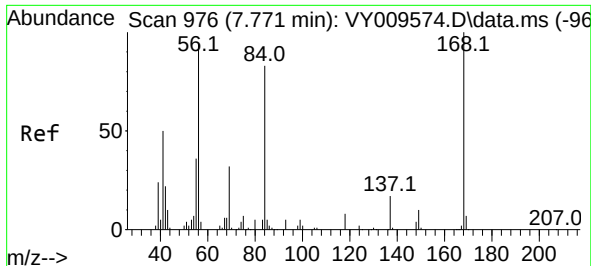
Tgt Ion: 84 Resp: 17284
Ion Ratio Lower Upper
84 100
49 111.9 114.4 171.6#
51 36.3 35.3 52.9
86 63.6 53.7 80.5



#25
2-Butanone
Concen: 1.380 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.012 min
Lab File: VY009680.D
Acq: 25 Jul 2022 12:40

Tgt Ion: 43 Resp: 830
Ion Ratio Lower Upper
43 100
72 0.0 17.7 26.5#

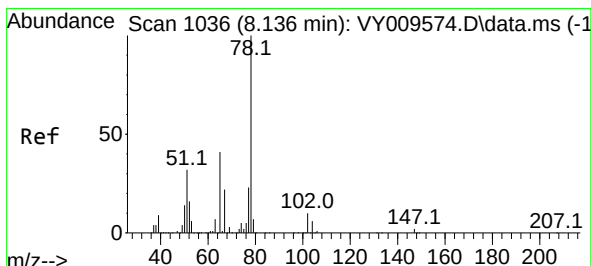
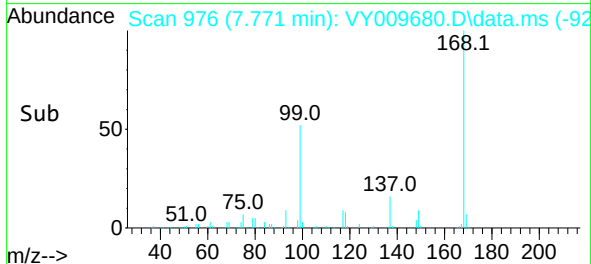
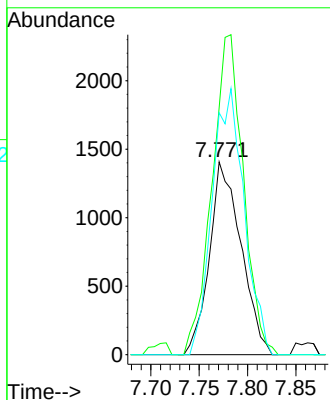
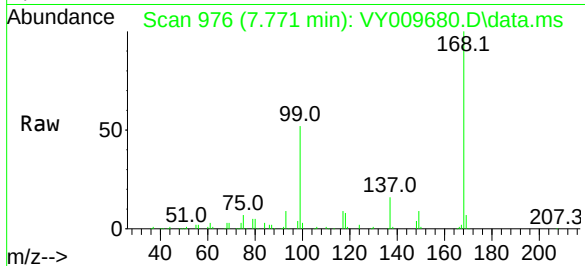




#31
Cyclohexane
Concen: 1.114 ug/l
RT: 7.771 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY009680.D
Acq: 25 Jul 2022 12:40

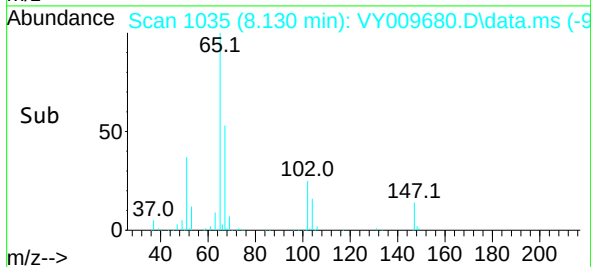
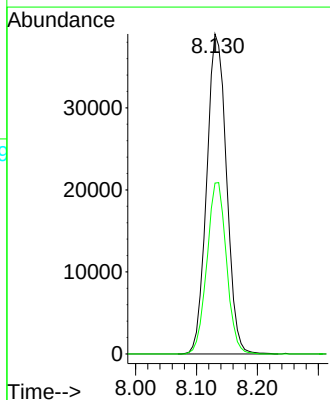
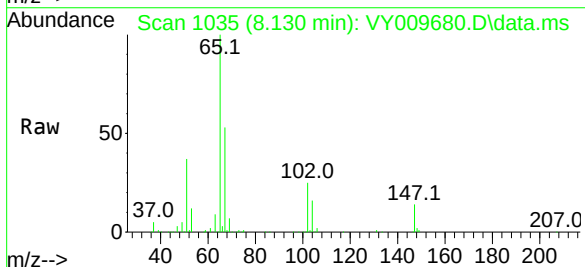
Instrument :
MSVOA_Y
ClientSampleId :
SB-B

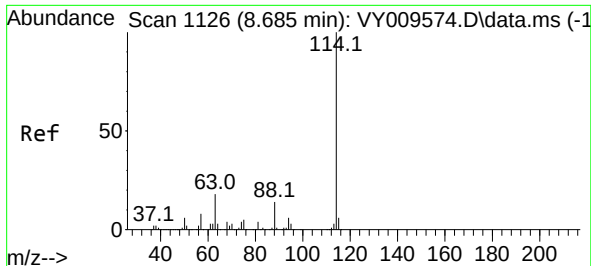
Tgt Ion: 56 Resp: 3200
Ion Ratio Lower Upper
56 100
69 128.1 26.7 40.1#
84 125.4 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 54.047 ug/l
RT: 8.130 min Scan# 1035
Delta R.T. -0.006 min
Lab File: VY009680.D
Acq: 25 Jul 2022 12:40

Tgt Ion: 65 Resp: 88067
Ion Ratio Lower Upper
65 100
67 52.8 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VY009680.D

Acq: 25 Jul 2022 12:40

Instrument :

MSVOA_Y

ClientSampleId :

SB-B

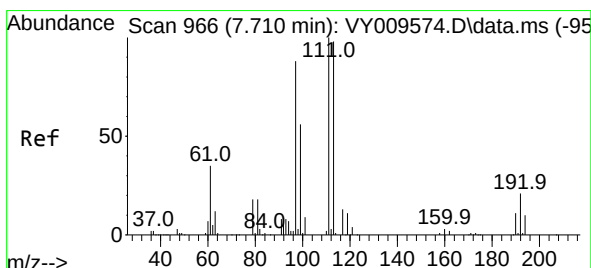
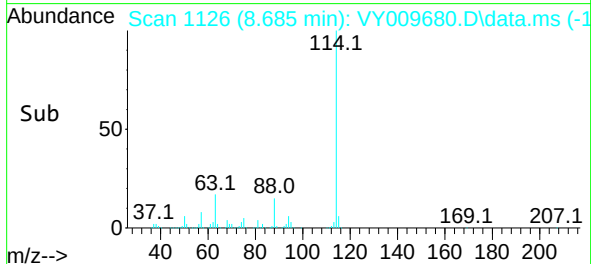
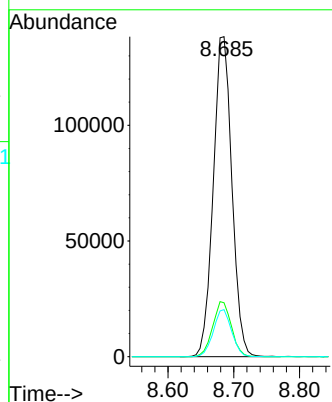
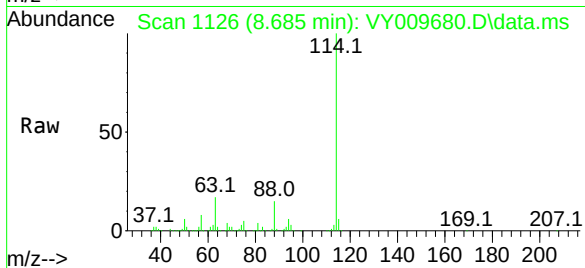
Tgt Ion:114 Resp: 272705

Ion Ratio Lower Upper

114 100

63 16.9 0.0 43.2

88 14.7 0.0 31.8



#35

Dibromofluoromethane

Concen: 49.641 ug/l

RT: 7.710 min Scan# 966

Delta R.T. -0.000 min

Lab File: VY009680.D

Acq: 25 Jul 2022 12:40

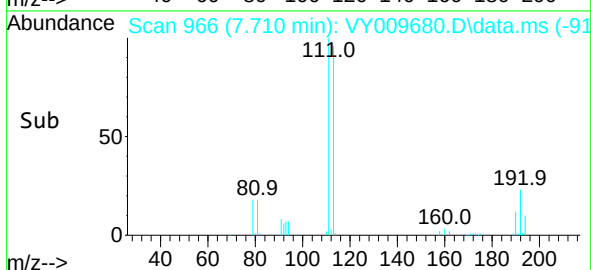
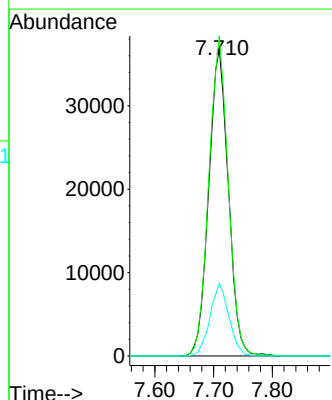
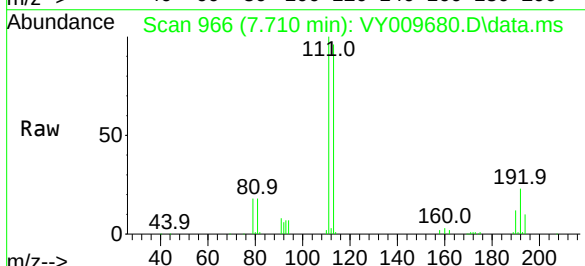
Tgt Ion:113 Resp: 85285

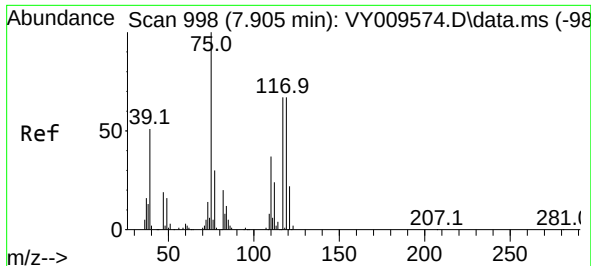
Ion Ratio Lower Upper

113 100

111 103.0 82.6 124.0

192 22.9 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.514 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.122 min

Lab File: VY009680.D

Acq: 25 Jul 2022 12:40

Instrument :

MSVOA_Y

ClientSampleId :

SB-B

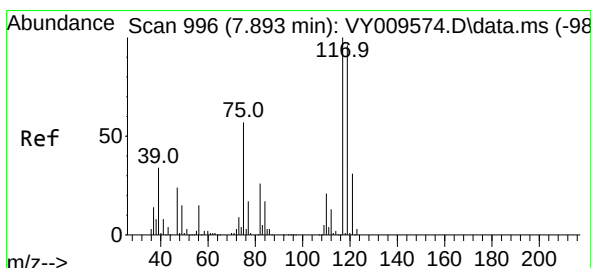
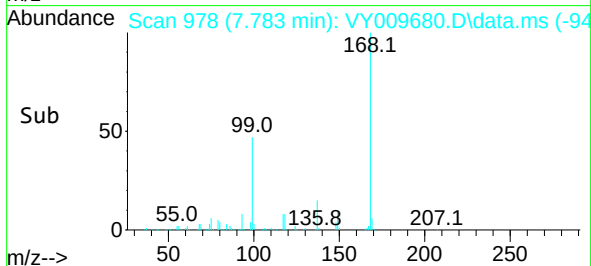
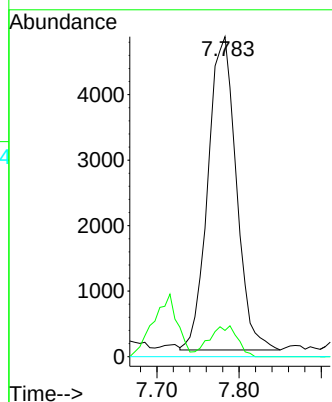
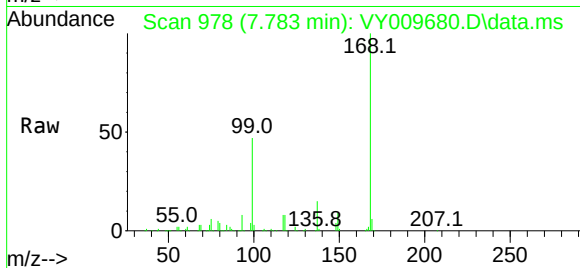
Tgt Ion: 75 Resp: 11460

Ion Ratio Lower Upper

75 100

110 9.7 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.700 ug/l

RT: 7.777 min Scan# 977

Delta R.T. -0.116 min

Lab File: VY009680.D

Acq: 25 Jul 2022 12:40

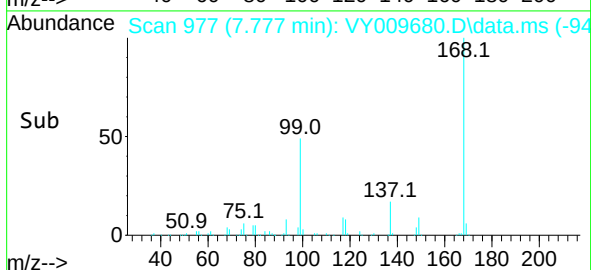
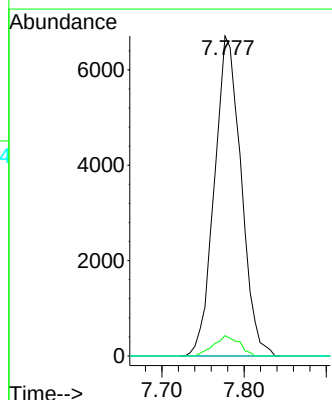
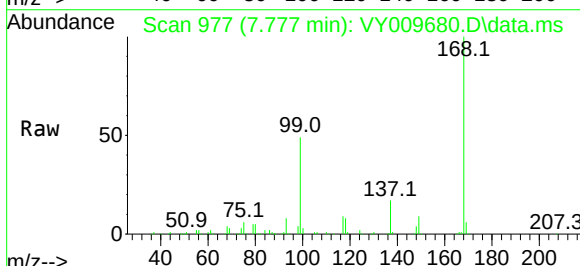
Tgt Ion: 117 Resp: 15149

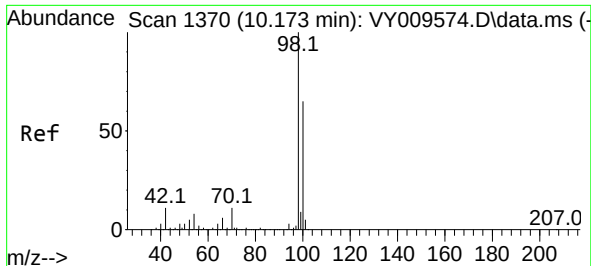
Ion Ratio Lower Upper

117 100

119 6.4 77.9 116.9#

121 0.0 24.8 37.2#

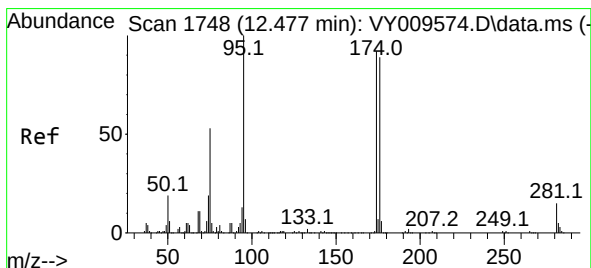
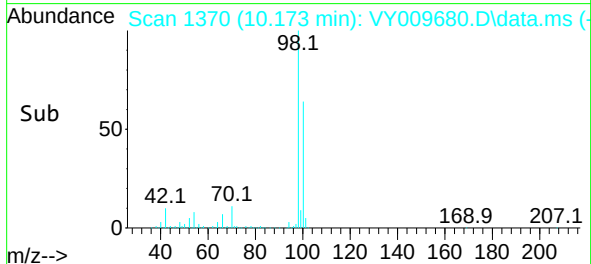
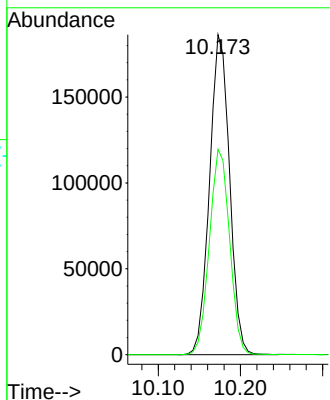
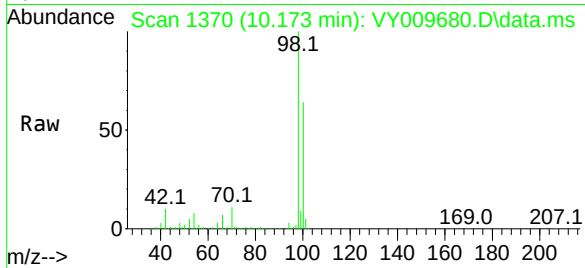




#50
Toluene-d8
Concen: 47.577 ug/l
RT: 10.173 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY009680.D
Acq: 25 Jul 2022 12:40

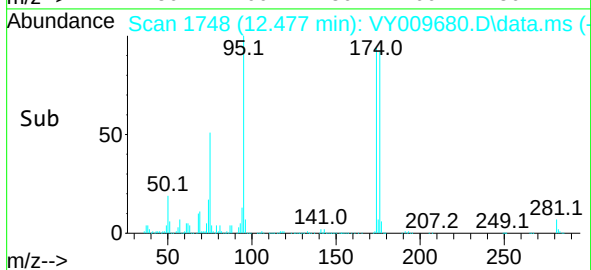
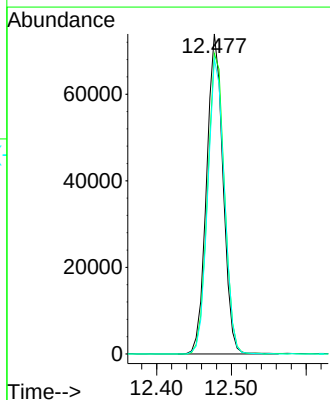
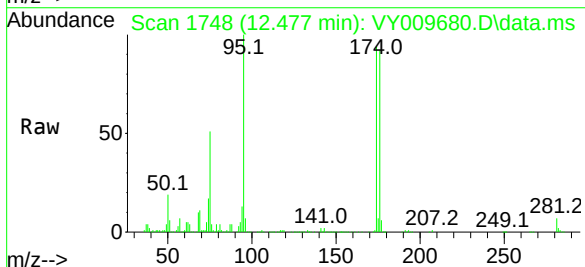
Instrument :
MSVOA_Y
ClientSampleId :
SB-B

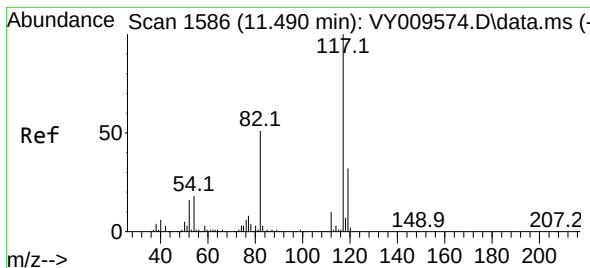
Tgt Ion: 98 Resp: 314229
Ion Ratio Lower Upper
98 100
100 64.9 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 52.626 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.000 min
Lab File: VY009680.D
Acq: 25 Jul 2022 12:40

Tgt Ion: 95 Resp: 112625
Ion Ratio Lower Upper
95 100
174 96.2 0.0 177.0
176 93.2 0.0 175.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY009680.D

Acq: 25 Jul 2022 12:40

Instrument :

MSVOA_Y

ClientSampleId :

SB-B

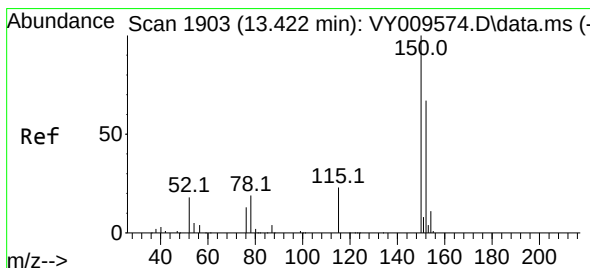
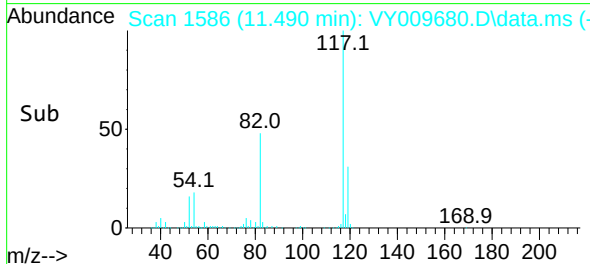
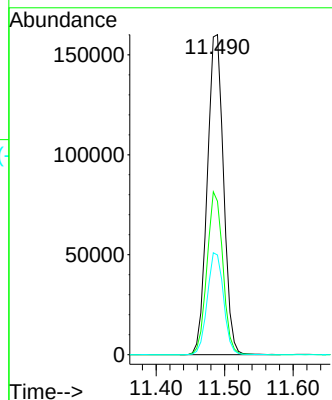
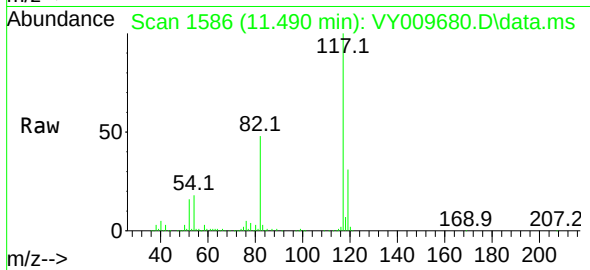
Tgt Ion:117 Resp: 264567

Ion Ratio Lower Upper

117 100

82 48.0 43.0 64.4

119 31.1 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. -0.000 min

Lab File: VY009680.D

Acq: 25 Jul 2022 12:40

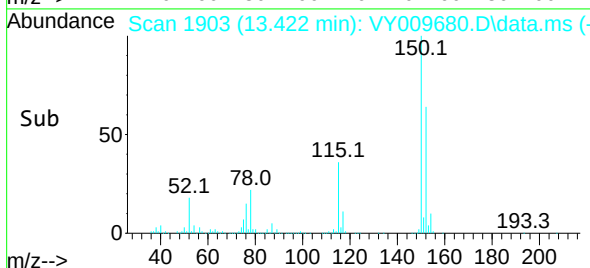
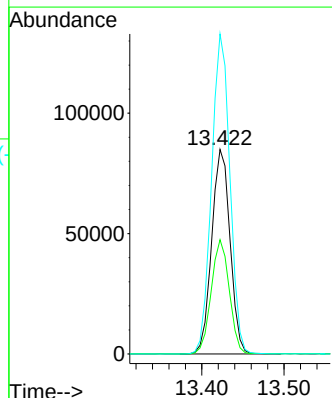
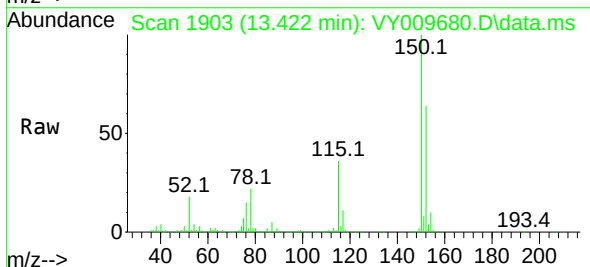
Tgt Ion:152 Resp: 131968

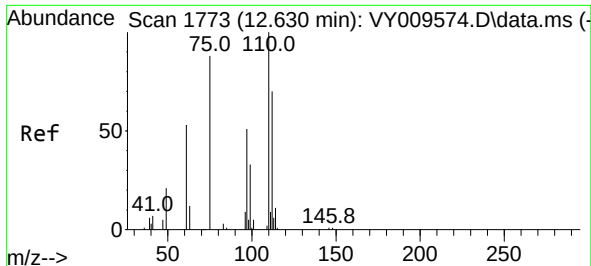
Ion Ratio Lower Upper

152 100

115 55.1 28.2 84.7

150 155.9 0.0 347.6

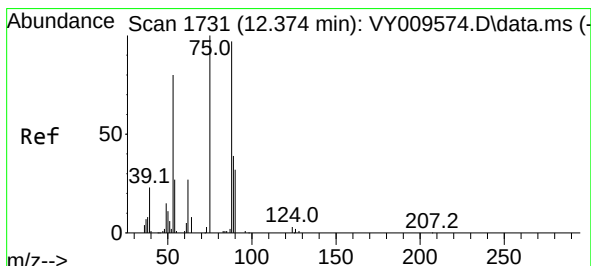
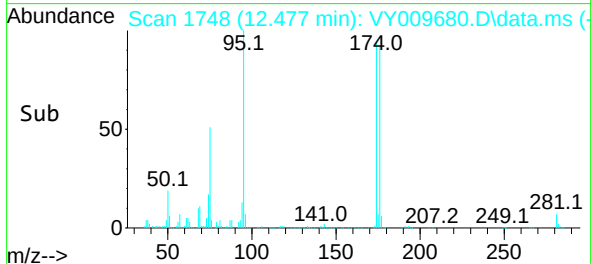
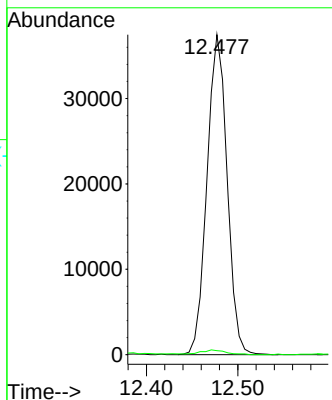
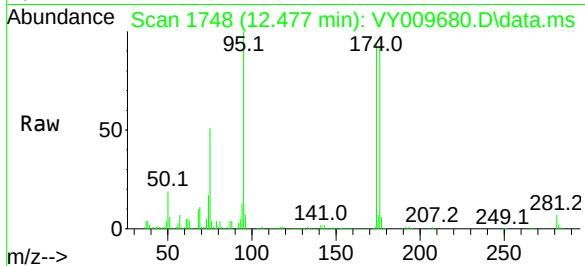




#76
1,2,3-Trichloropropane
Concen: 45.524 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY009680.D
Acq: 25 Jul 2022 12:40

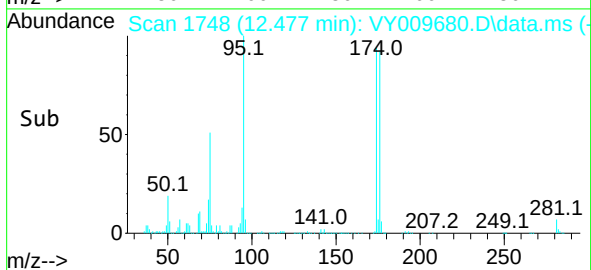
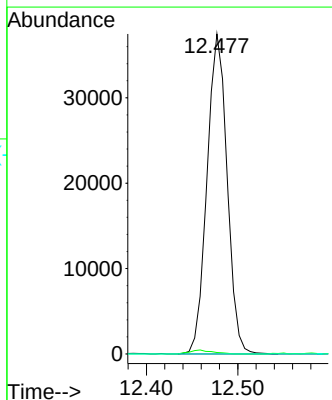
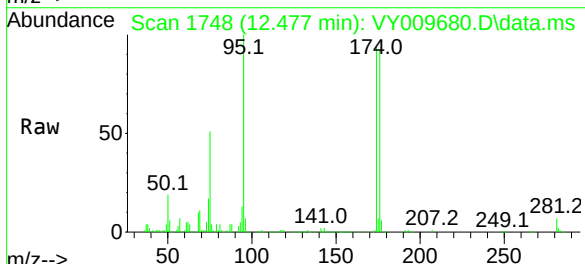
Instrument :
MSVOA_Y
ClientSampleId :
SB-B

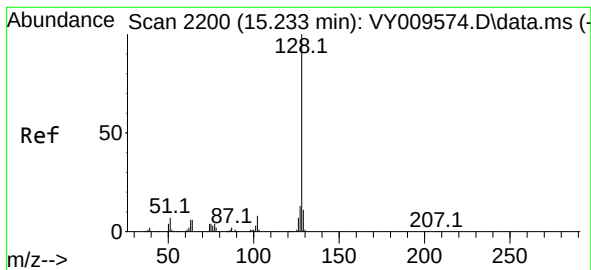
Tgt Ion: 75 Resp: 57230
Ion Ratio Lower Upper
75 100
77 1.9 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 89.764 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.104 min
Lab File: VY009680.D
Acq: 25 Jul 2022 12:40

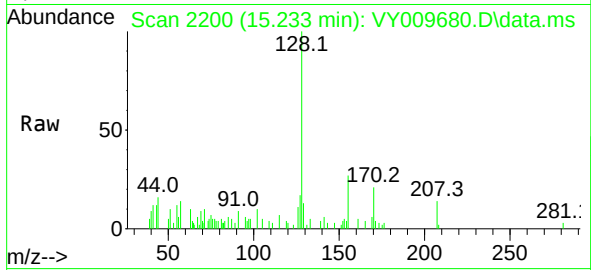
Tgt Ion: 75 Resp: 57230
Ion Ratio Lower Upper
75 100
53 1.4 85.3 127.9#
89 0.0 37.0 55.4#





#95
 Naphthalene
 Concen: 1.021 ug/l
 RT: 15.233 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: VY009680.D
 Acq: 25 Jul 2022 12:40

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-B



Tgt Ion:128 Resp: 4860
 Ion Ratio Lower Upper
 128 100
 127 17.9 11.0 16.4#
 129 12.0 8.4 12.6

