

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092322\
 Data File : VY010657.D
 Acq On : 23 Sep 2022 18:30
 Operator : KP/MD
 Sample : N4724-13
 Misc : 5.03g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-04-12.5-13.0

Quant Time: Sep 24 01:23:46 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091922S.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 20 01:02:44 2022
 Response via : Initial Calibration

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

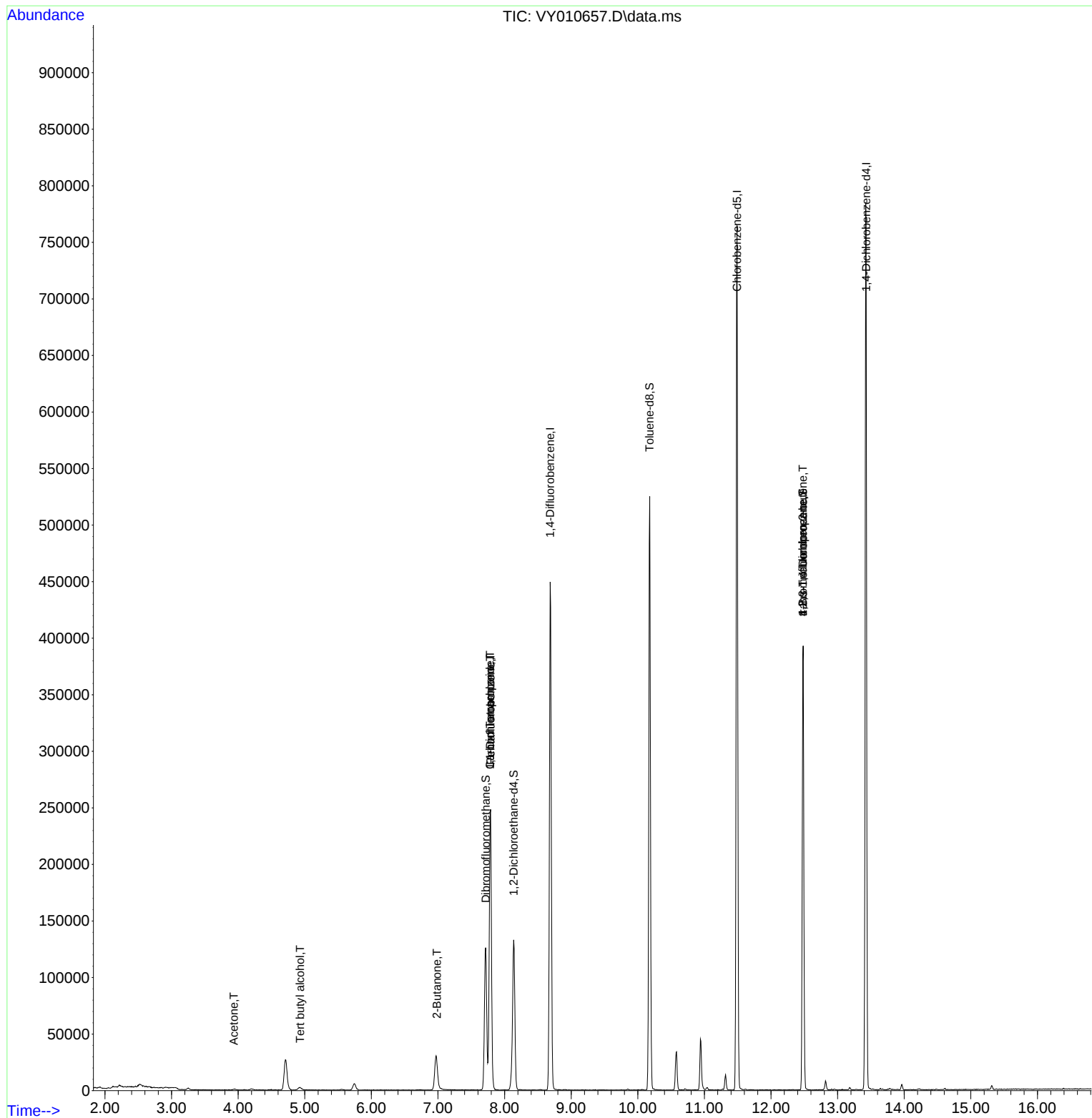
Internal Standards						
1) Pentafluorobenzene	7.789	168	195123	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	385357	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	413659	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	200247	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	98416	52.733	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.460%	
35) Dibromofluoromethane	7.716	113	90944	36.979	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 73.960%	
50) Toluene-d8	10.179	98	343237	38.527	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 77.060%	
62) 4-Bromofluorobenzene	12.477	95	113855	32.824	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 65.640%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.900	85	319	Below Cal	#	48
3) Chloromethane	2.113	50	378	Below Cal	#	83
4) Vinyl Chloride	2.449	62	70	Below Cal	#	43
5) Bromomethane	2.668	94	209	Below Cal	#	50
11) Tert butyl alcohol	4.930	59	2901	6.497	ug/l #	80
16) Acetone	3.936	43	674	1.771	ug/l #	80
18) Methyl Acetate	4.466	43	346	Below Cal	#	46
20) Methylene Chloride	4.710	84	21051	Below Cal	#	83
25) 2-Butanone	6.984	43	1789	3.005	ug/l #	83
31) Cyclohexane	7.783	56	4154	Below Cal	#	1
36) 1,1-Dichloropropene	7.783	75	15463	5.643	ug/l #	50
38) Carbon Tetrachloride	7.783	117	19686	6.248	ug/l #	15
76) 1,2,3-Trichloropropane	12.477	75	59533	31.149	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.477	75	59533	69.258	ug/l #	7

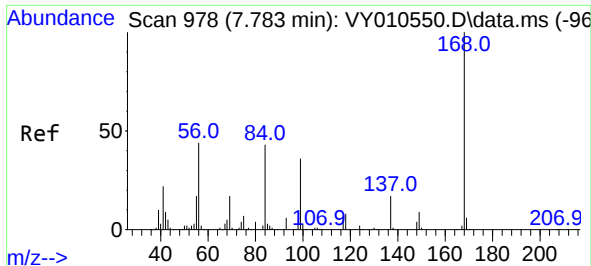
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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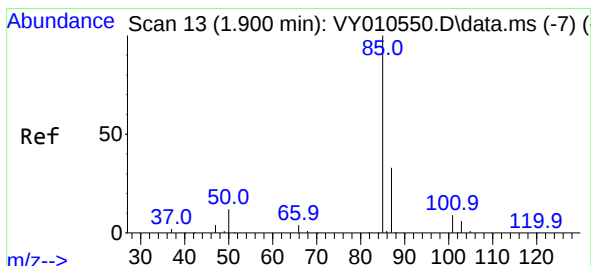
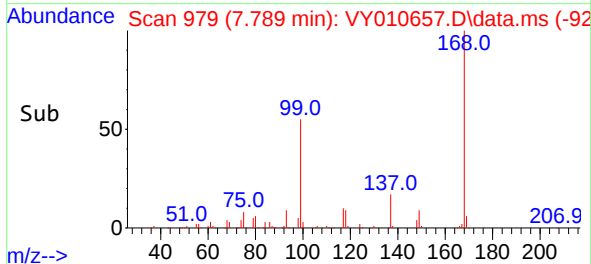
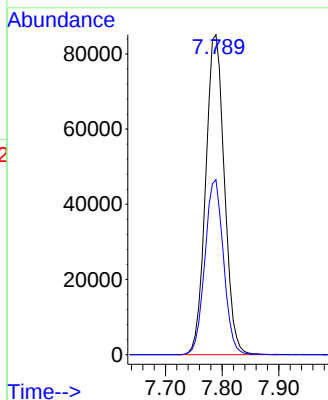
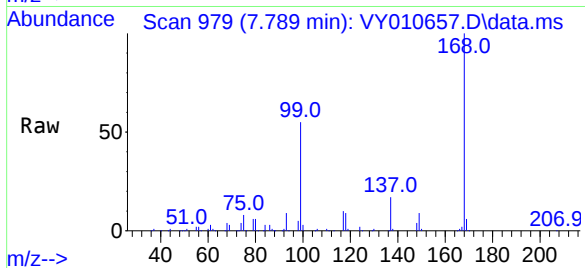




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010657.D
Acq: 23 Sep 2022 18:30

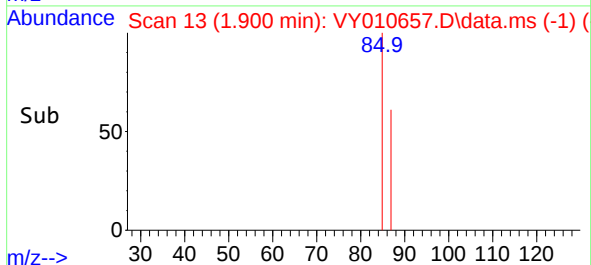
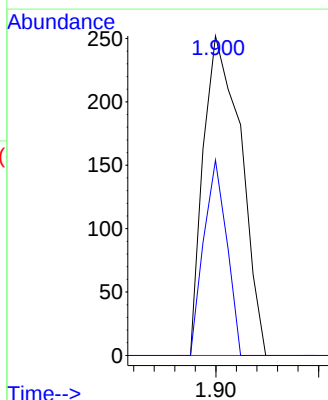
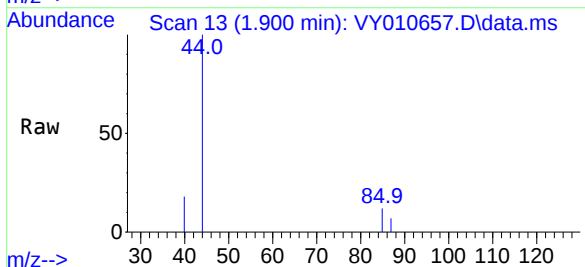
Instrument :
MSVOA_Y
ClientSampleId :
SB-04-12.5-13.0

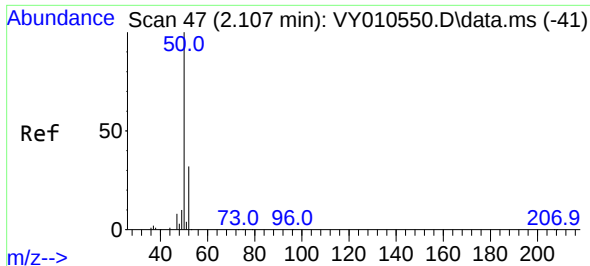
Tgt Ion:168 Resp: 195123
Ion Ratio Lower Upper
168 100
99 54.7 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 1.900 min Scan# 13
Delta R.T. -0.000 min
Lab File: VY010657.D
Acq: 23 Sep 2022 18:30

Tgt Ion: 85 Resp: 319
Ion Ratio Lower Upper
85 100
87 61.1 16.1 48.2#

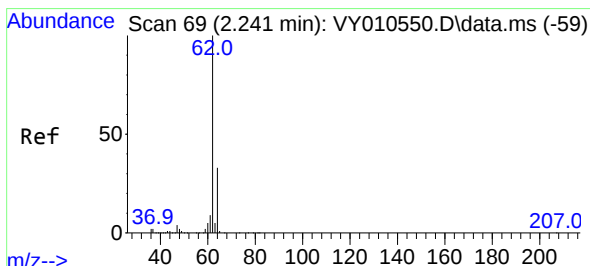
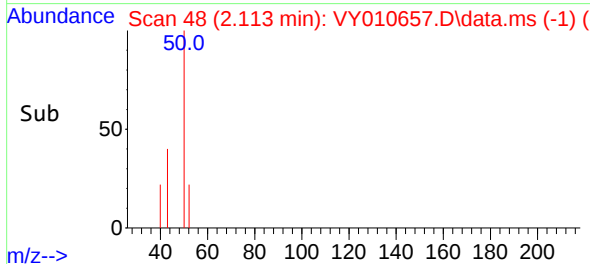
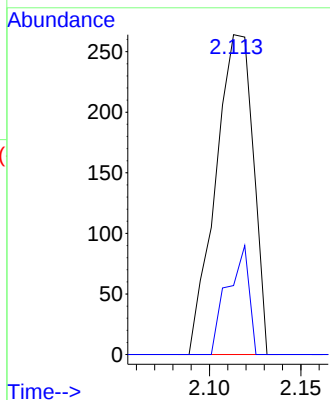
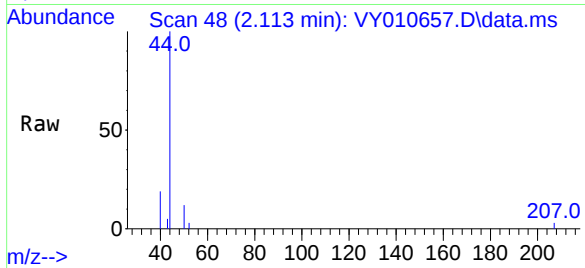




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. 0.006 min
Lab File: VY010657.D
Acq: 23 Sep 2022 18:30

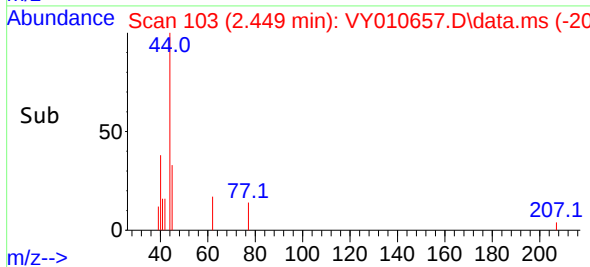
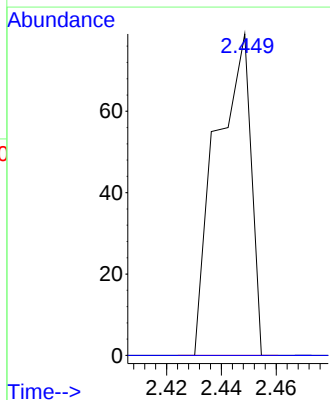
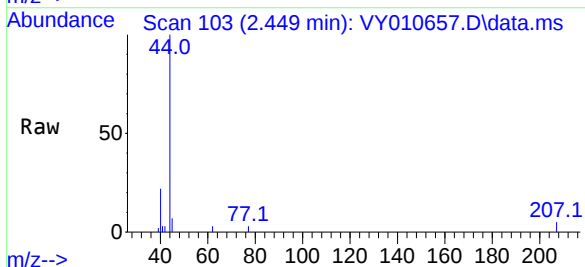
Instrument :
MSVOA_Y
ClientSampleId :
SB-04-12.5-13.0

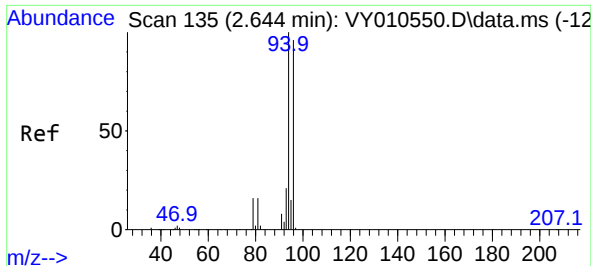
Tgt Ion: 50 Resp: 378
Ion Ratio Lower Upper
50 100
52 21.6 24.6 37.0#



#4
Vinyl Chloride
Concen: Below Cal
RT: 2.449 min Scan# 103
Delta R.T. 0.208 min
Lab File: VY010657.D
Acq: 23 Sep 2022 18:30

Tgt Ion: 62 Resp: 70
Ion Ratio Lower Upper
62 100
64 0.0 25.0 37.6#

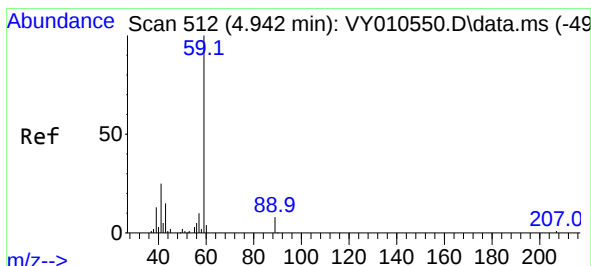
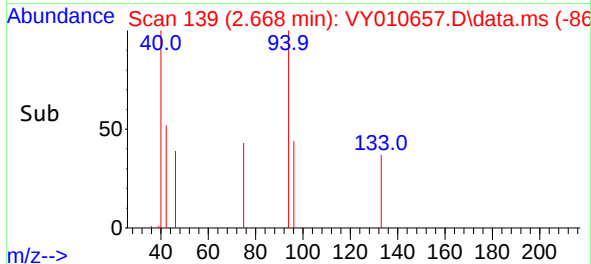
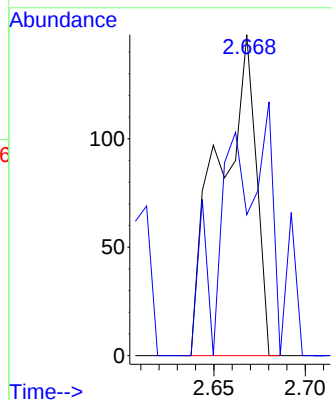
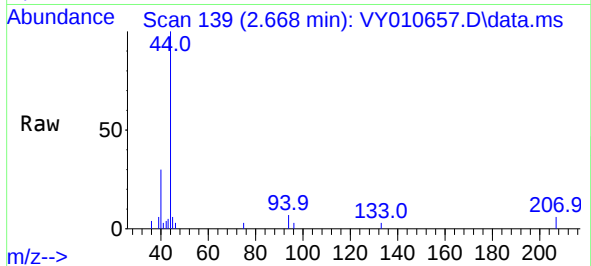




#5
Bromomethane
Concen: Below Cal
RT: 2.668 min Scan# 11
Delta R.T. 0.024 min
Lab File: VY010657.D
Acq: 23 Sep 2022 18:30

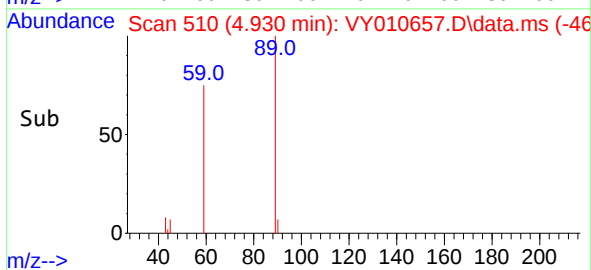
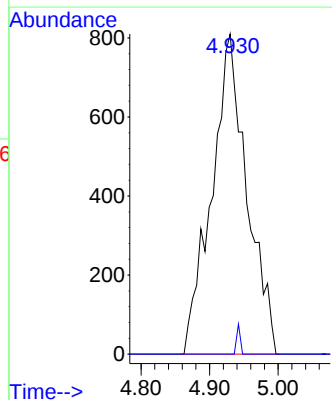
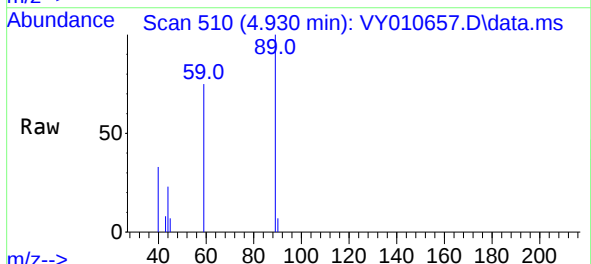
Instrument :
MSVOA_Y
ClientSampleId :
SB-04-12.5-13.0

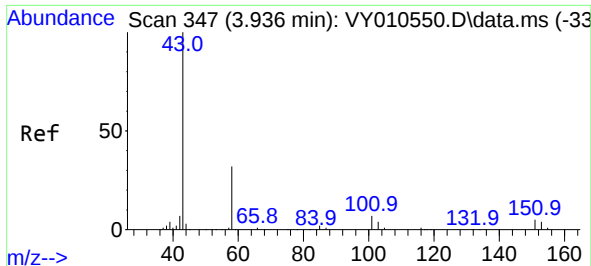
Tgt Ion: 94 Resp: 209
Ion Ratio Lower Upper
94 100
96 43.9 73.5 110.3#



#11
Tert butyl alcohol
Concen: 6.497 ug/l
RT: 4.930 min Scan# 510
Delta R.T. -0.012 min
Lab File: VY010657.D
Acq: 23 Sep 2022 18:30

Tgt Ion: 59 Resp: 2901
Ion Ratio Lower Upper
59 100
57 1.0 6.4 9.6#

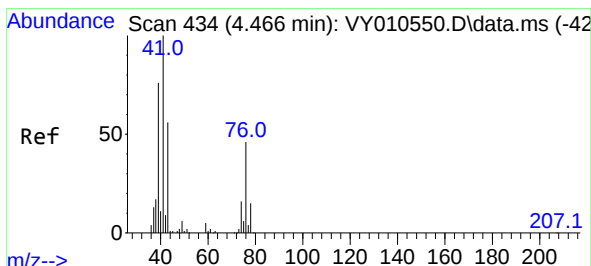
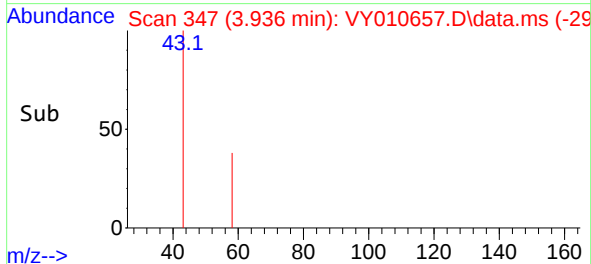
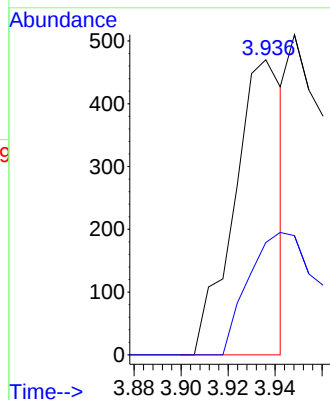
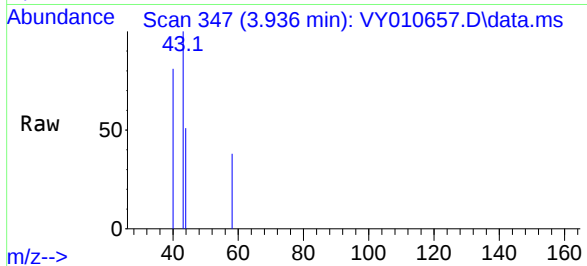




#16
Acetone
Concen: 1.771 ug/l
RT: 3.936 min Scan# 347
Delta R.T. 0.000 min
Lab File: VY010657.D
Acq: 23 Sep 2022 18:30

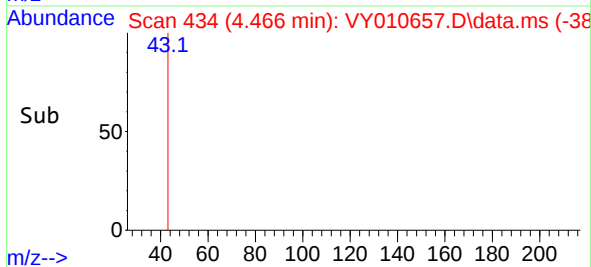
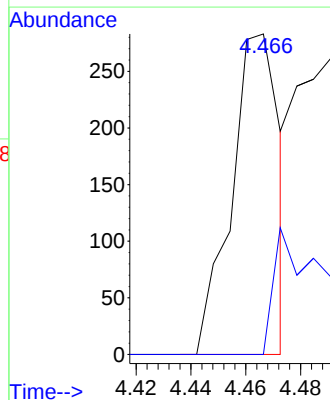
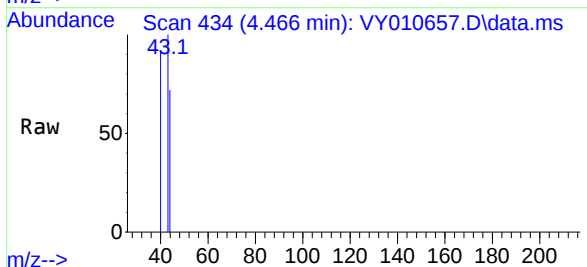
Instrument :
MSVOA_Y
ClientSampleId :
SB-04-12.5-13.0

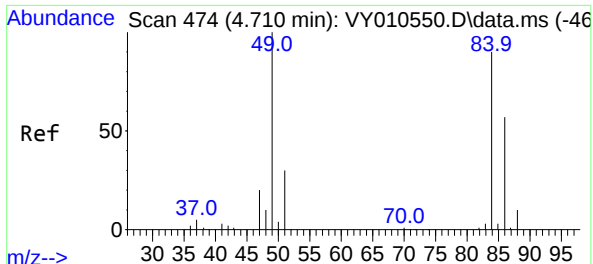
Tgt Ion: 43 Resp: 674
Ion Ratio Lower Upper
43 100
58 38.1 22.0 33.0#



#18
Methyl Acetate
Concen: Below Cal
RT: 4.466 min Scan# 434
Delta R.T. 0.000 min
Lab File: VY010657.D
Acq: 23 Sep 2022 18:30

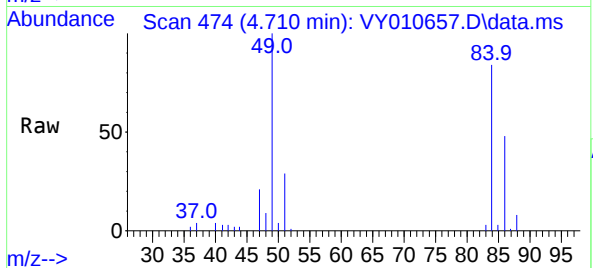
Tgt Ion: 43 Resp: 346
Ion Ratio Lower Upper
43 100
74 45.7 16.6 24.8#





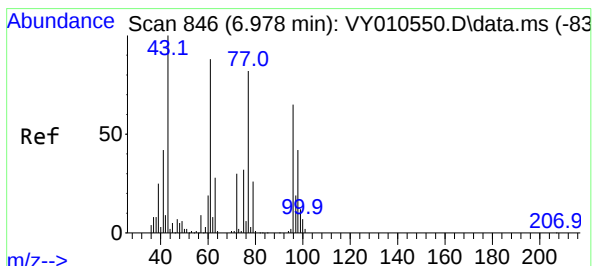
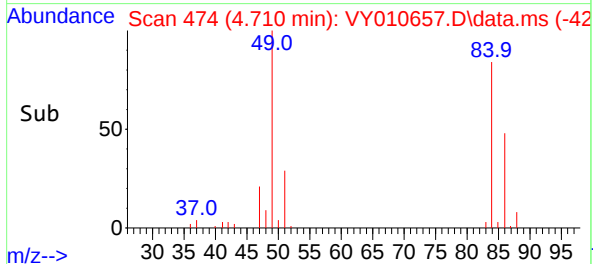
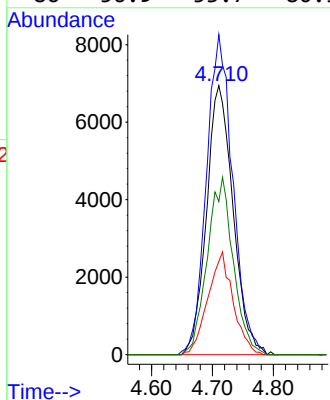
#20
Methylene Chloride
Concen: Below Cal
RT: 4.710 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY010657.D
Acq: 23 Sep 2022 18:30

Instrument :
MSVOA_Y
ClientSampleId :
SB-04-12.5-13.0



Tgt Ion: 84 Resp: 21051

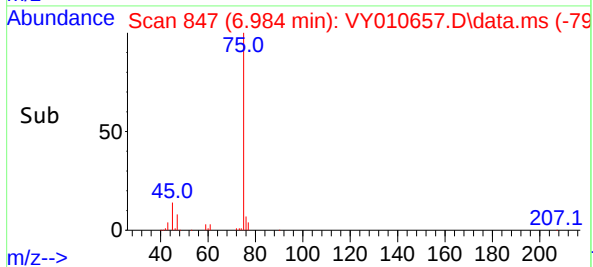
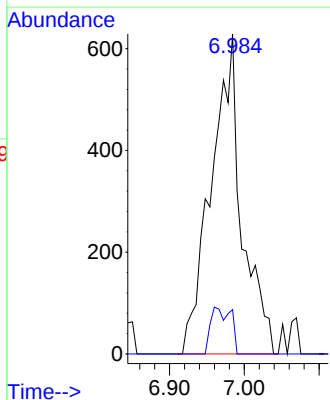
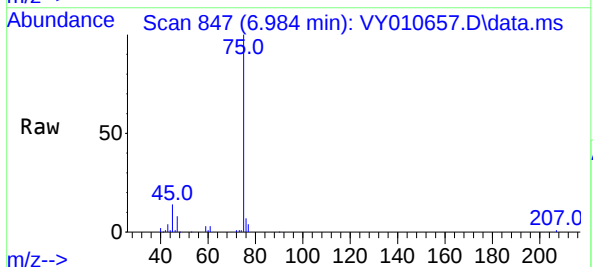
Ion	Ratio	Lower	Upper
84	100		
49	118.9	114.4	171.6
51	34.6	35.3	52.9#
86	56.9	53.7	80.5

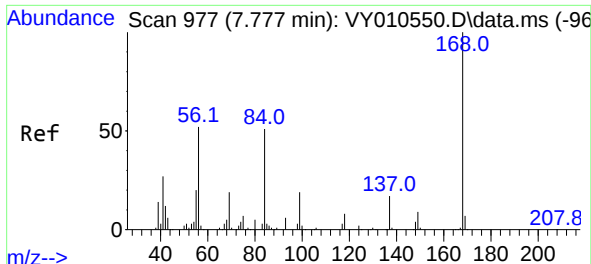


#25
2-Butanone
Concen: 3.005 ug/l
RT: 6.984 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY010657.D
Acq: 23 Sep 2022 18:30

Tgt Ion: 43 Resp: 1789

Ion	Ratio	Lower	Upper
43	100		
72	13.8	17.7	26.5#

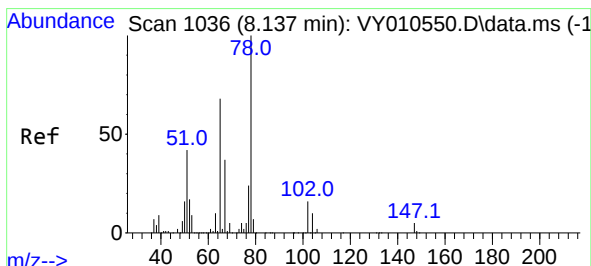
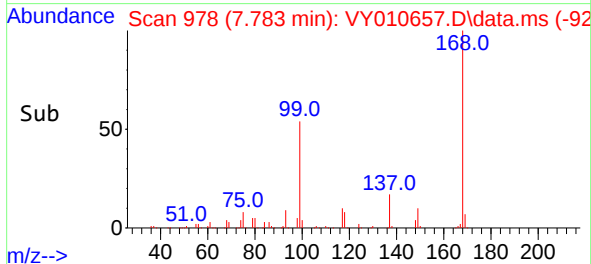
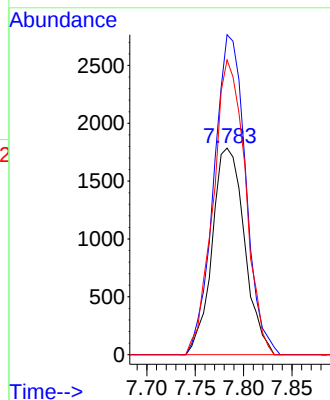
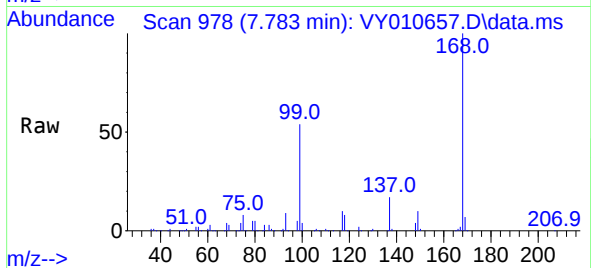




#31
Cyclohexane
Concen: Below Cal
RT: 7.783 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY010657.D
Acq: 23 Sep 2022 18:30

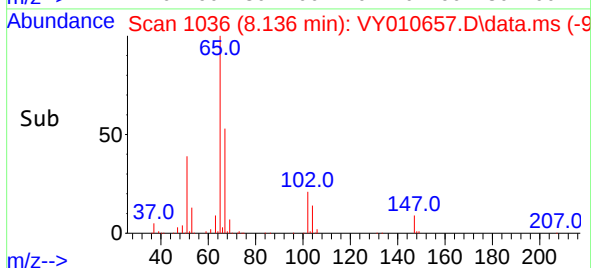
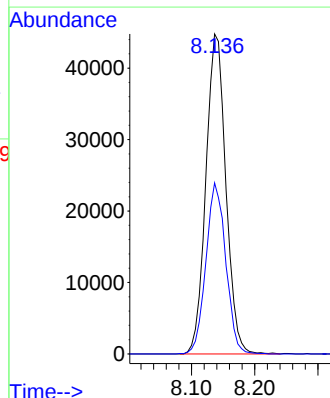
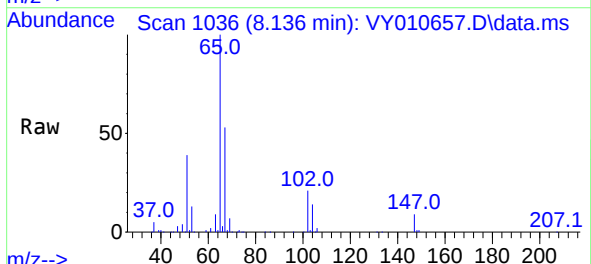
Instrument :
MSVOA_Y
ClientSampleId :
SB-04-12.5-13.0

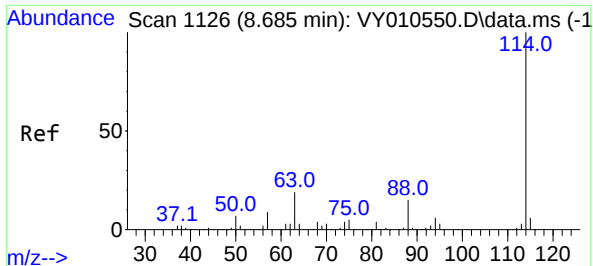
Tgt Ion: 56 Resp: 4154
Ion Ratio Lower Upper
56 100
69 154.9 26.7 40.1#
84 142.6 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 52.733 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.001 min
Lab File: VY010657.D
Acq: 23 Sep 2022 18:30

Tgt Ion: 65 Resp: 98416
Ion Ratio Lower Upper
65 100
67 53.0 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: VY010657.D

Acq: 23 Sep 2022 18:30

Instrument :

MSVOA_Y

ClientSampleId :

SB-04-12.5-13.0

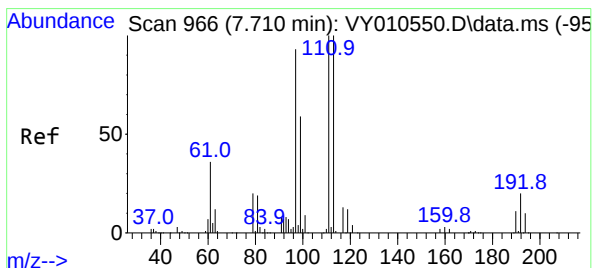
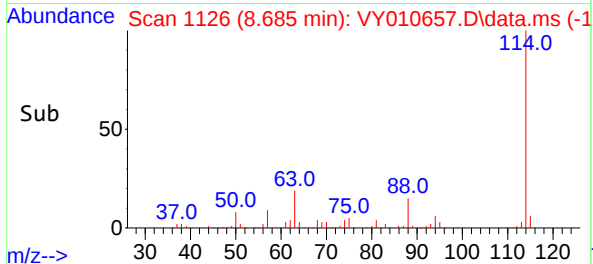
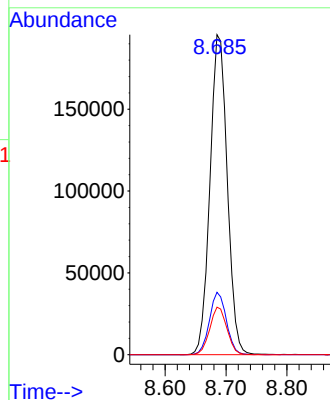
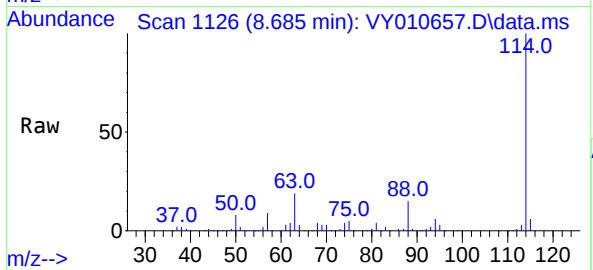
Tgt Ion:114 Resp: 385357

Ion Ratio Lower Upper

114 100

63 19.5 0.0 43.2

88 14.8 0.0 31.8



#35

Dibromofluoromethane

Concen: 36.979 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.006 min

Lab File: VY010657.D

Acq: 23 Sep 2022 18:30

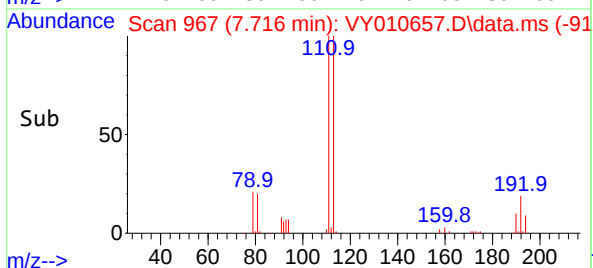
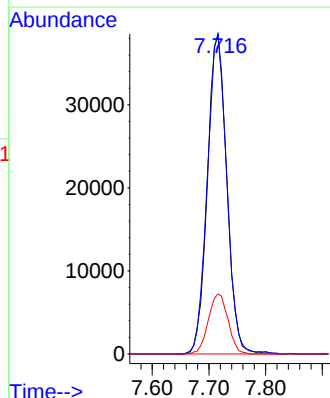
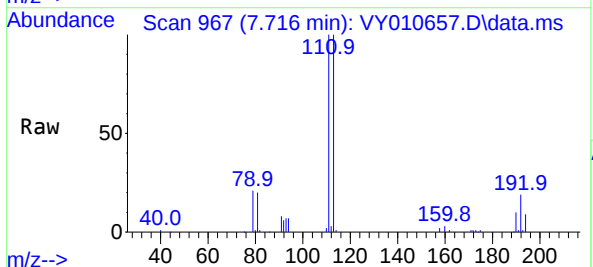
Tgt Ion:113 Resp: 90944

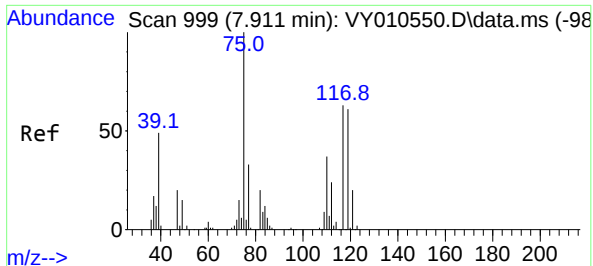
Ion Ratio Lower Upper

113 100

111 101.1 82.6 124.0

192 19.1 17.6 26.4





#36

1,1-Dichloropropene

Concen: 5.643 ug/l

RT: 7.783 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY010657.D

Acq: 23 Sep 2022 18:30

Instrument :

MSVOA_Y

ClientSampleId :

SB-04-12.5-13.0

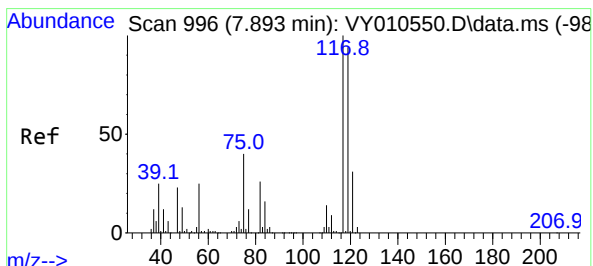
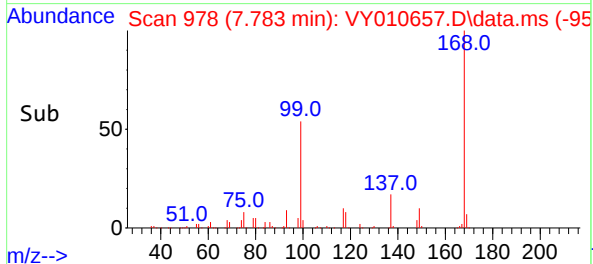
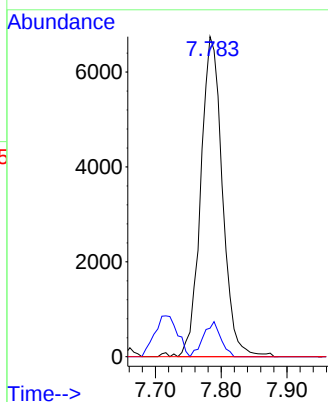
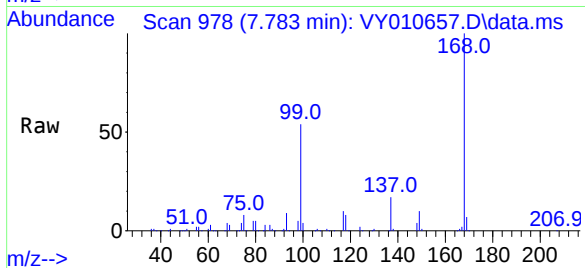
Tgt Ion: 75 Resp: 15463

Ion Ratio Lower Upper

75 100

110 8.8 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 6.248 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.110 min

Lab File: VY010657.D

Acq: 23 Sep 2022 18:30

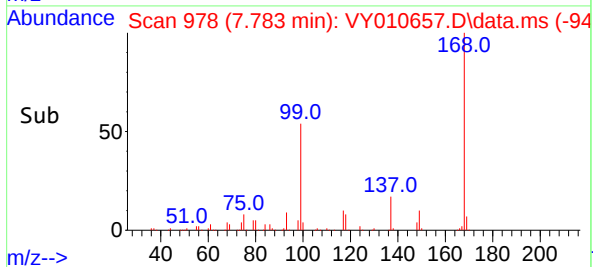
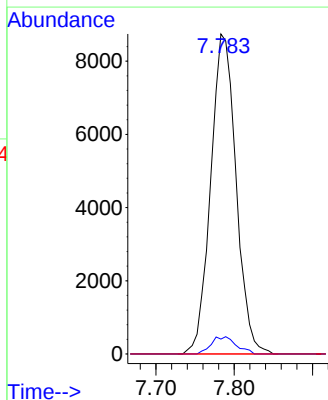
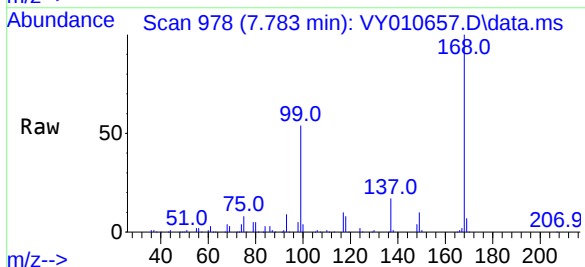
Tgt Ion: 117 Resp: 19686

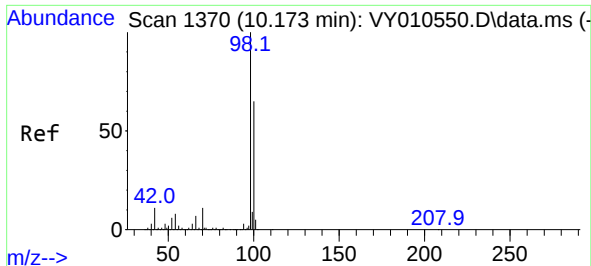
Ion Ratio Lower Upper

117 100

119 4.6 77.9 116.9#

121 0.0 24.8 37.2#

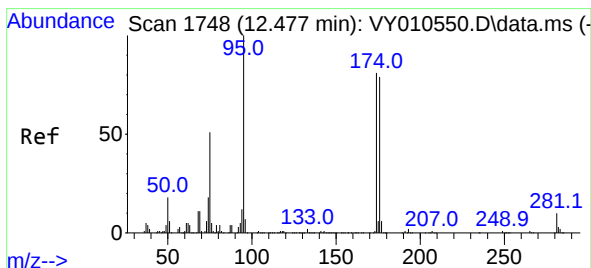
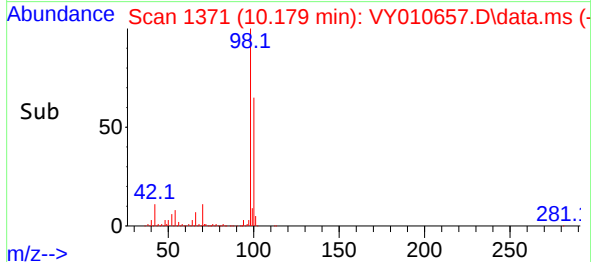
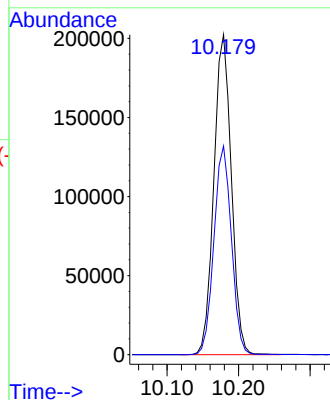
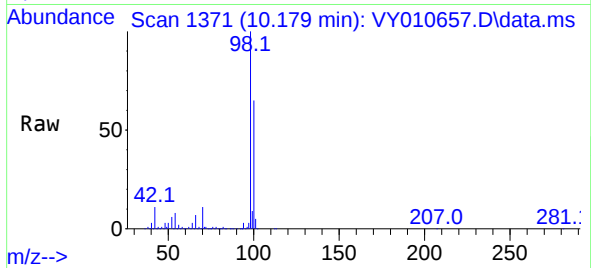




#50
Toluene-d8
Concen: 38.527 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY010657.D
Acq: 23 Sep 2022 18:30

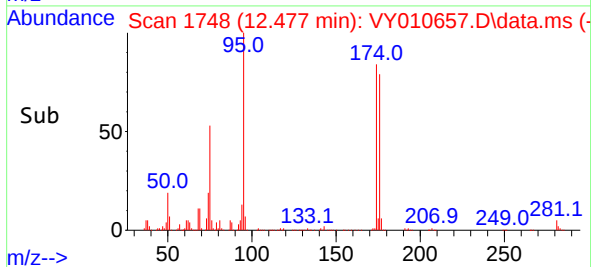
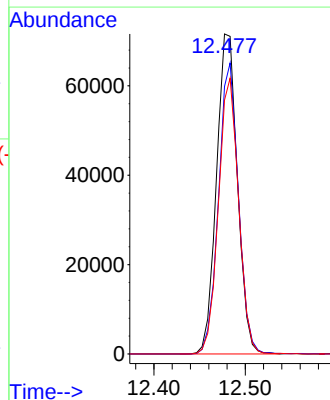
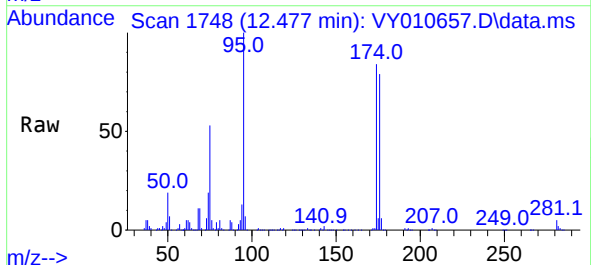
Instrument :
MSVOA_Y
ClientSampleId :
SB-04-12.5-13.0

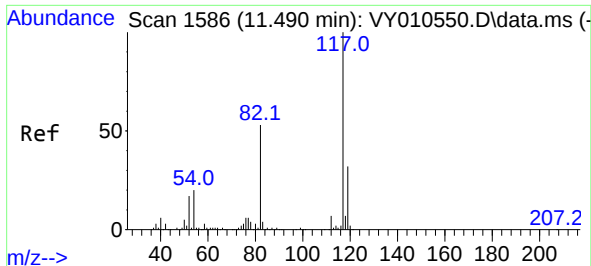
Tgt Ion: 98 Resp: 343237
Ion Ratio Lower Upper
98 100
100 65.1 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 32.824 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY010657.D
Acq: 23 Sep 2022 18:30

Tgt Ion: 95 Resp: 113855
Ion Ratio Lower Upper
95 100
174 86.6 0.0 177.0
176 83.1 0.0 175.8

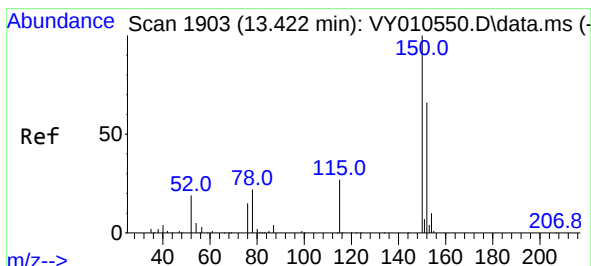
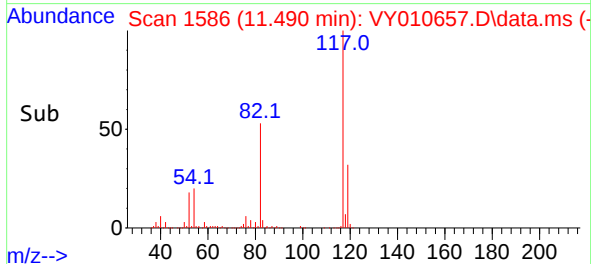
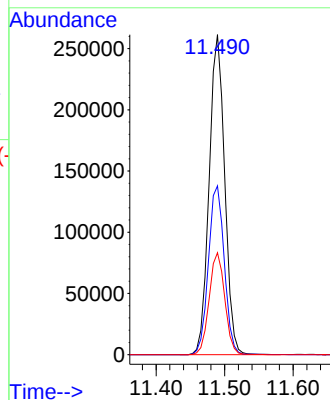
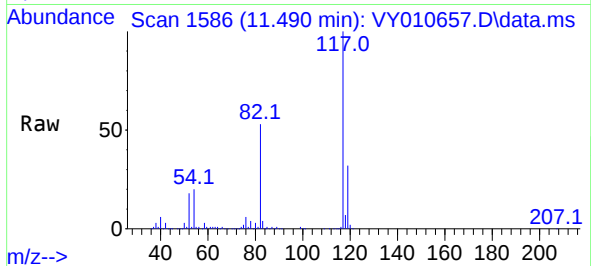




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY010657.D
Acq: 23 Sep 2022 18:30

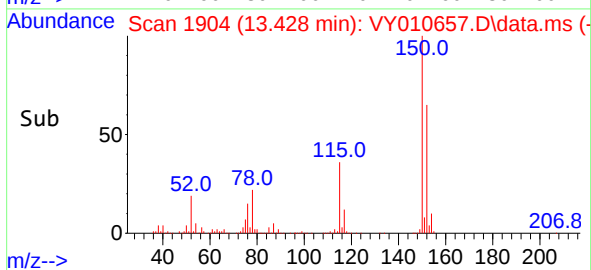
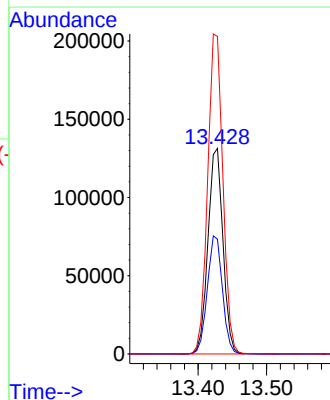
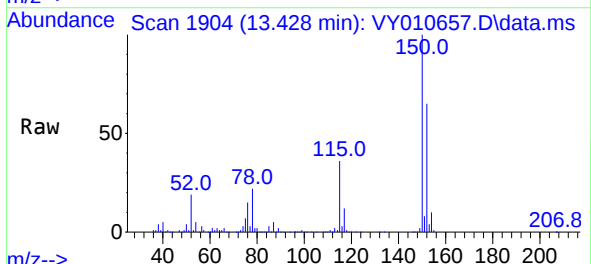
Instrument :
MSVOA_Y
ClientSampleId :
SB-04-12.5-13.0

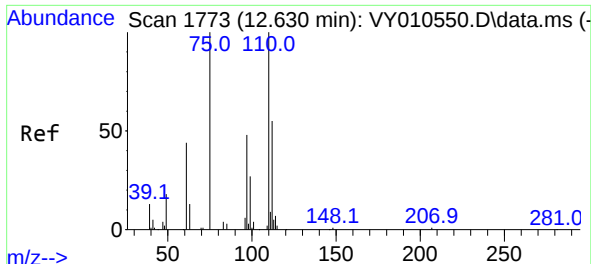
Tgt Ion:117 Resp: 413659
Ion Ratio Lower Upper
117 100
82 52.7 43.0 64.4
119 31.8 25.4 38.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.006 min
Lab File: VY010657.D
Acq: 23 Sep 2022 18:30

Tgt Ion:152 Resp: 200247
Ion Ratio Lower Upper
152 100
115 57.9 28.2 84.7
150 157.8 0.0 347.6

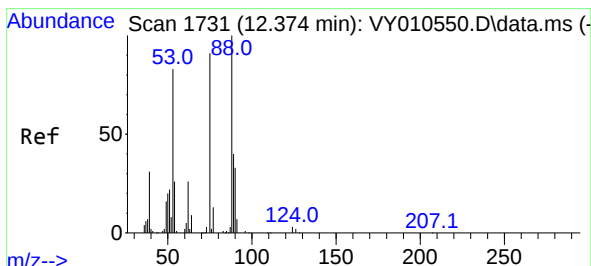
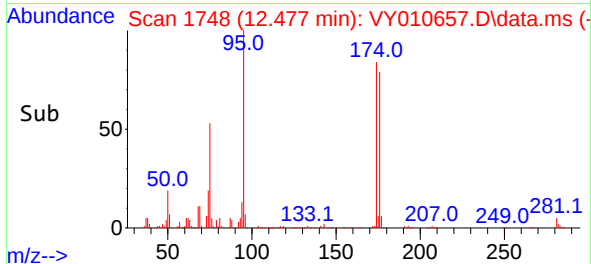
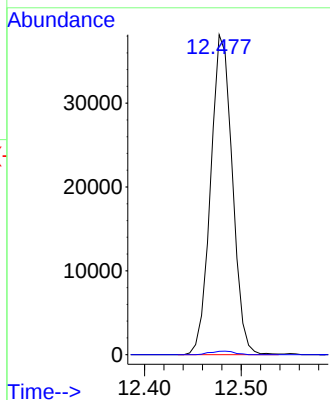
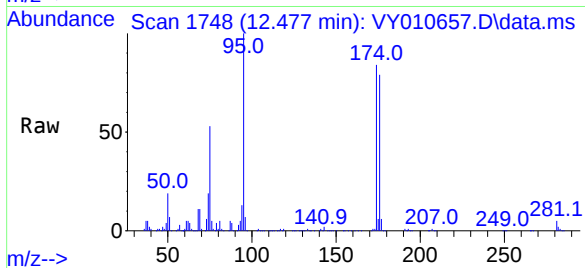




#76
1,2,3-Trichloropropane
Concen: 31.149 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.153 min
Lab File: VY010657.D
Acq: 23 Sep 2022 18:30

Instrument :
MSVOA_Y
ClientSampleId :
SB-04-12.5-13.0

Tgt Ion: 75 Resp: 59533
Ion Ratio Lower Upper
75 100
77 1.2 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 69.258 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.103 min
Lab File: VY010657.D
Acq: 23 Sep 2022 18:30

Tgt Ion: 75 Resp: 59533
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.1 37.0 55.4#

