

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031122\
 Data File : VY007863.D
 Acq On : 11 Mar 2022 18:34
 Operator : SY/MD
 Sample : N1864-12
 Misc : 6.72g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MB-B1-030922-2-3

Quant Time: Mar 11 23:24:25 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y022822S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 01 09:08:03 2022
 Response via : Initial Calibration

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

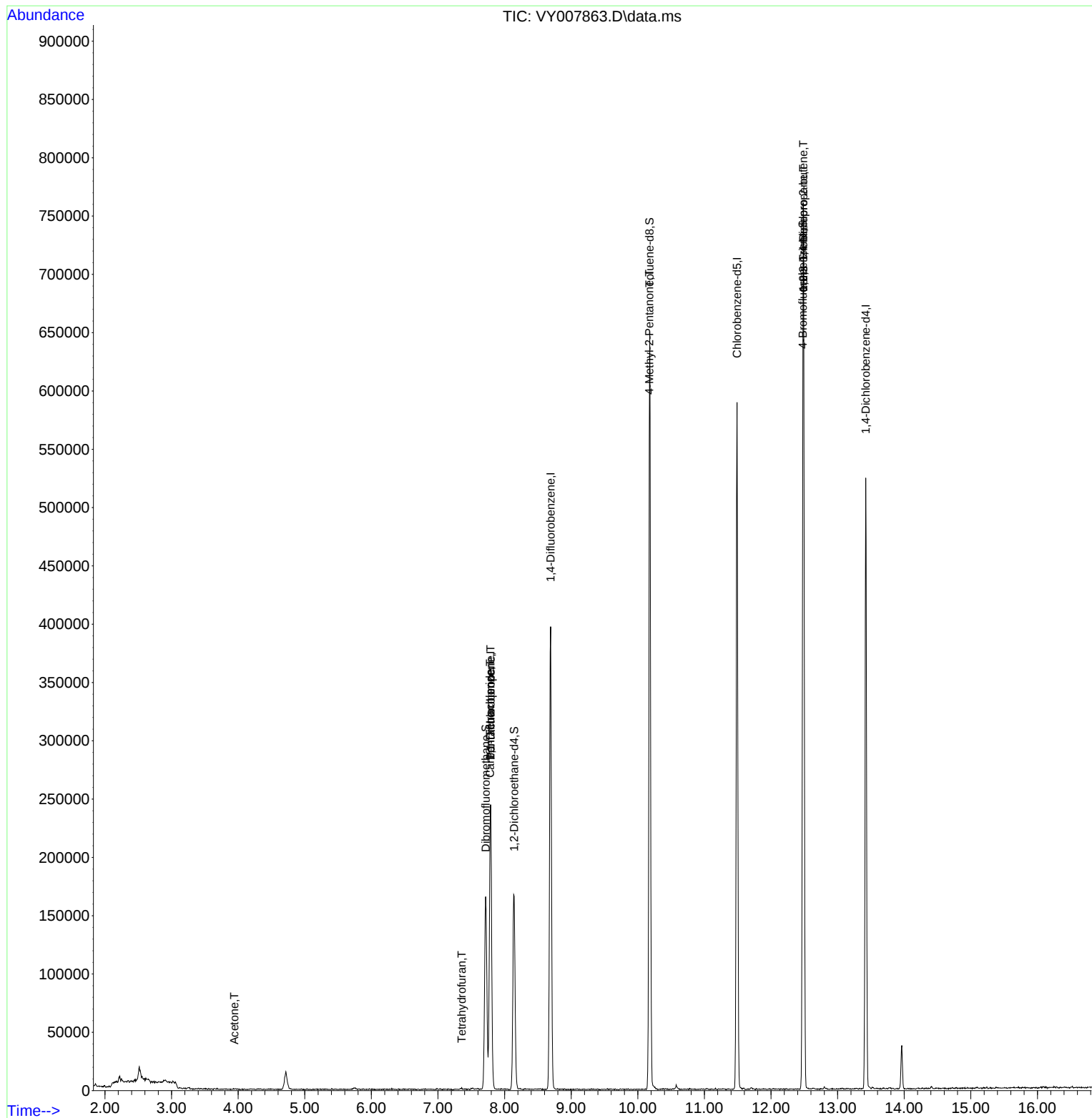
Internal Standards						
1) Pentafluorobenzene	7.789	168	189486	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	330111	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	300752	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	121616	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	129120	65.089	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 130.180%	
35) Dibromofluoromethane	7.716	113	113413	53.737	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.480%	
50) Toluene-d8	10.179	98	405743	52.227	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 104.460%	
62) 4-Bromofluorobenzene	12.477	95	117469	46.908	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 93.820%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	2.150	85	19	Below Cal	#	43
3) Chloromethane	2.113	50	921	Below Cal	#	58
13) Acrolein	3.698	56	27	Below Cal	#	35
16) Acetone	3.942	43	420	1.041	ug/l #	86
17) Carbon Disulfide	4.192	76	59	Below Cal	#	75
18) Methyl Acetate	4.448	43	97	Below Cal	#	56
29) Tetrahydrofuran	7.356	42	666	1.438	ug/l #	50
31) Cyclohexane	7.789	56	4946	Below Cal	#	38
36) 1,1-Dichloropropene	7.789	75	15435	4.649	ug/l #	45
38) Carbon Tetrachloride	7.783	117	19716	5.567	ug/l #	16
51) 4-Methyl-2-Pentanone	10.173	43	2249	1.239	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	72690	53.521	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	72690	109.416	ug/l #	8

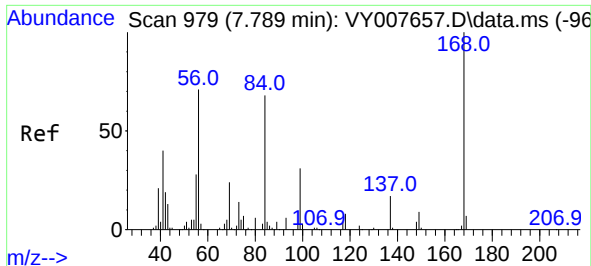
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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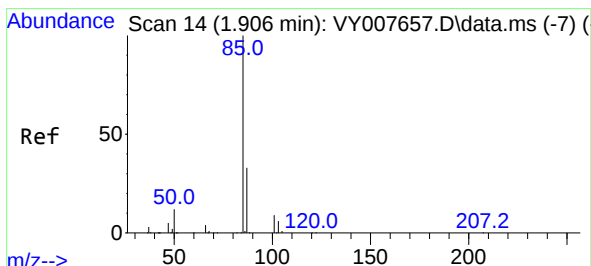
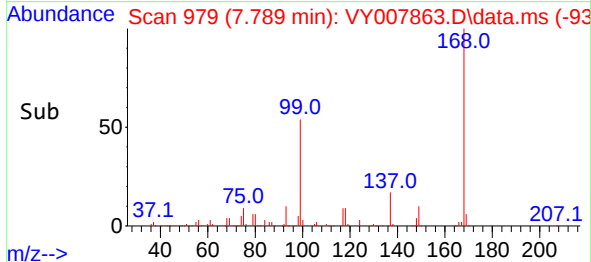
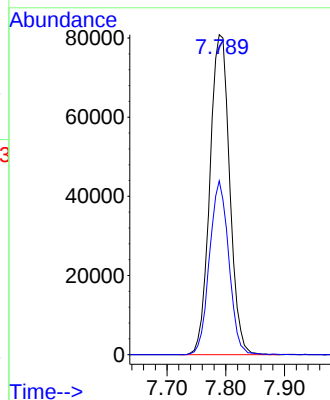
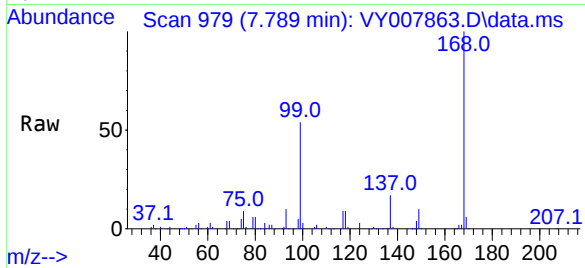




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY007863.D
Acq: 11 Mar 2022 18:34

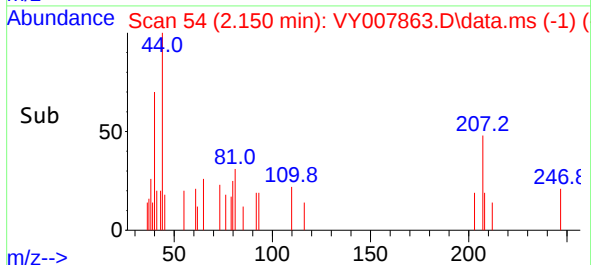
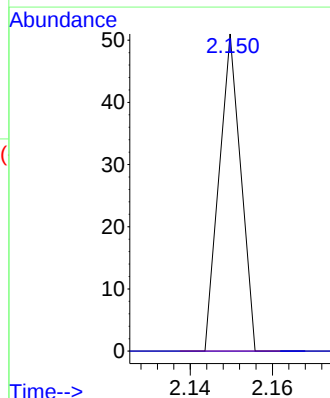
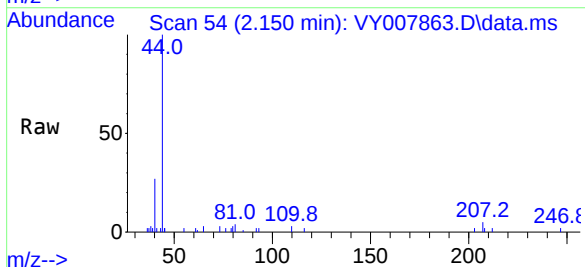
Instrument :
MSVOA_Y
ClientSampleId :
MB-B1-030922-2-3

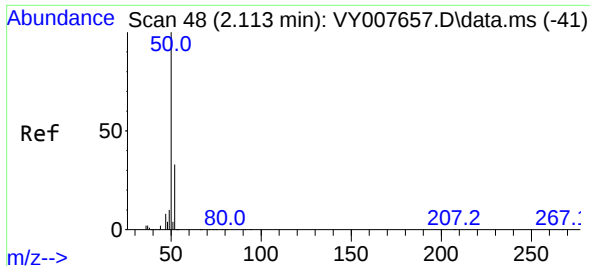
Tgt Ion:168 Resp: 189486
Ion Ratio Lower Upper
168 100
99 54.3 46.9 70.3



#2
Dichlorodifluoromethane
Concen: Below Cal
RT: 2.150 min Scan# 54
Delta R.T. 0.244 min
Lab File: VY007863.D
Acq: 11 Mar 2022 18:34

Tgt Ion: 85 Resp: 19
Ion Ratio Lower Upper
85 100
87 0.0 16.1 48.2#

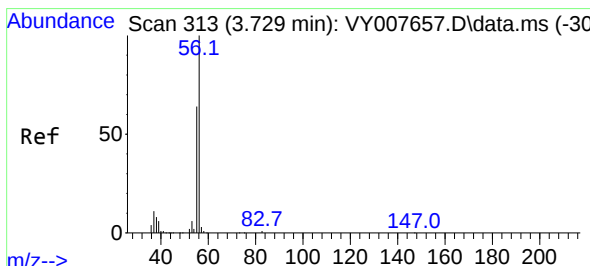
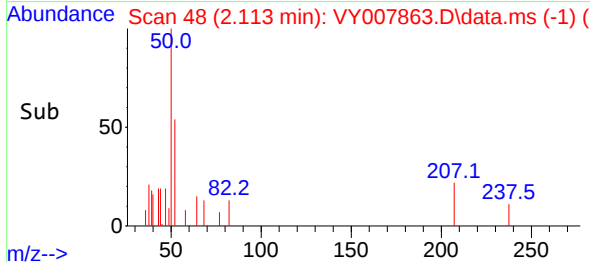
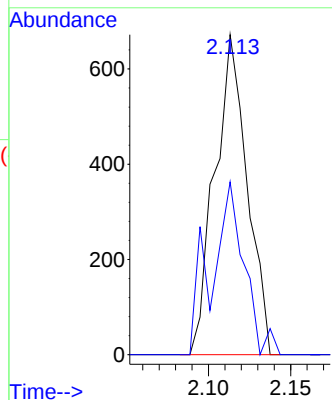
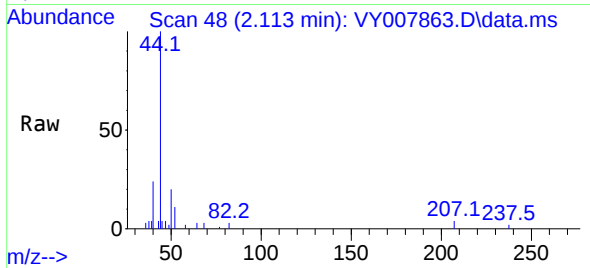




#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 41
Delta R.T. 0.000 min
Lab File: VY007863.D
Acq: 11 Mar 2022 18:34

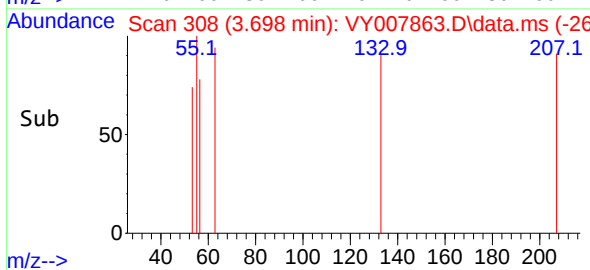
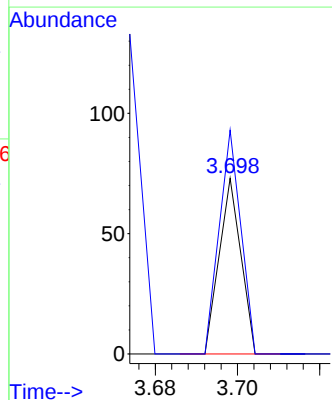
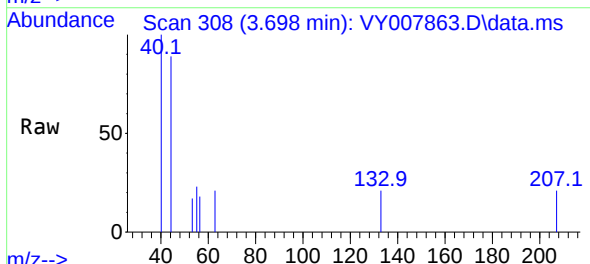
Instrument :
MSVOA_Y
ClientSampleId :
MB-B1-030922-2-3

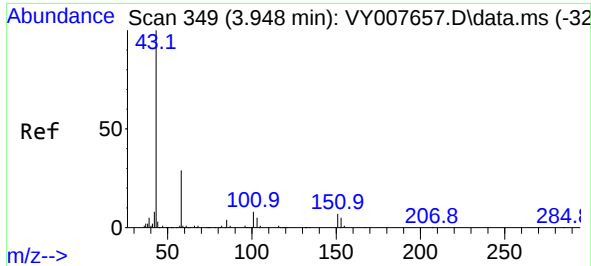
Tgt Ion: 50 Resp: 921
Ion Ratio Lower Upper
50 100
52 54.0 24.6 37.0#



#13
Acrolein
Concen: Below Cal
RT: 3.698 min Scan# 308
Delta R.T. -0.031 min
Lab File: VY007863.D
Acq: 11 Mar 2022 18:34

Tgt Ion: 56 Resp: 27
Ion Ratio Lower Upper
56 100
55 125.9 57.6 86.4#





#16

Acetone

Concen: 1.041 ug/l

RT: 3.942 min Scan# 34

Delta R.T. -0.006 min

Lab File: VY007863.D

Acq: 11 Mar 2022 18:34

Instrument :

MSVOA_Y

ClientSampleId :

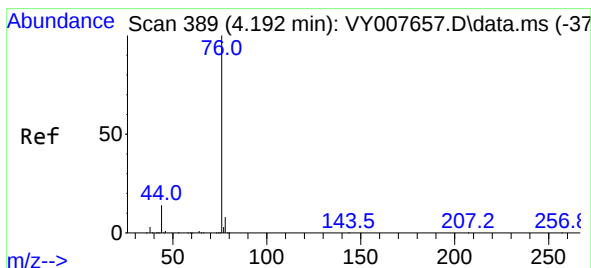
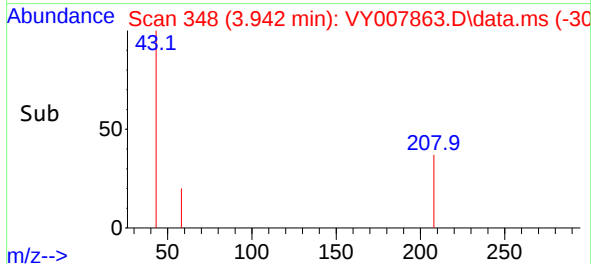
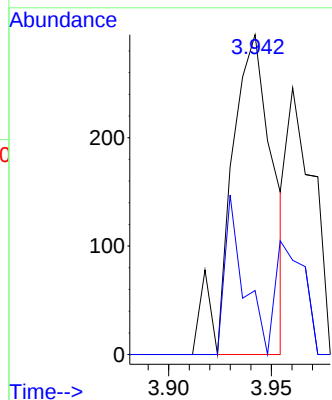
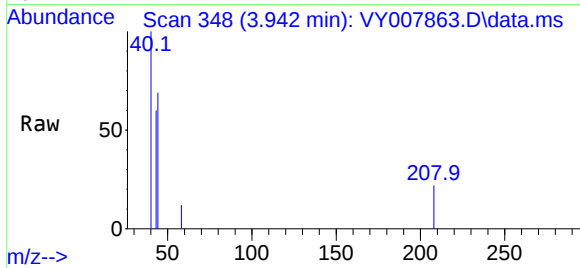
MB-B1-030922-2-3

Tgt Ion: 43 Resp: 420

Ion Ratio Lower Upper

43 100

58 20.0 22.0 33.0#



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.192 min Scan# 389

Delta R.T. 0.000 min

Lab File: VY007863.D

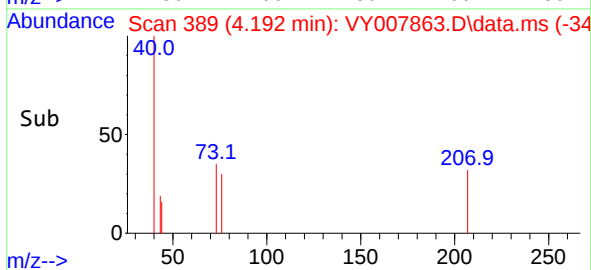
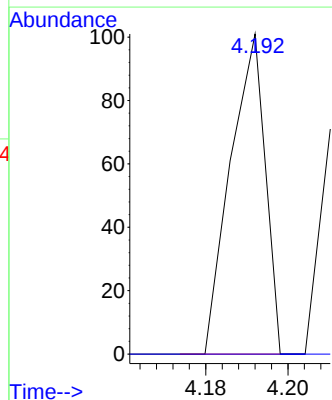
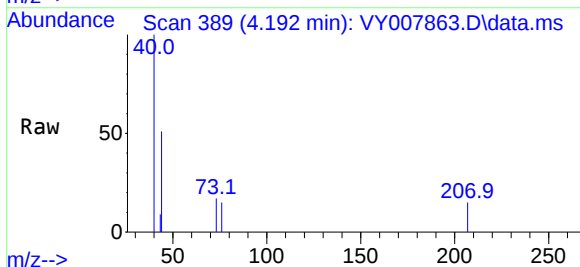
Acq: 11 Mar 2022 18:34

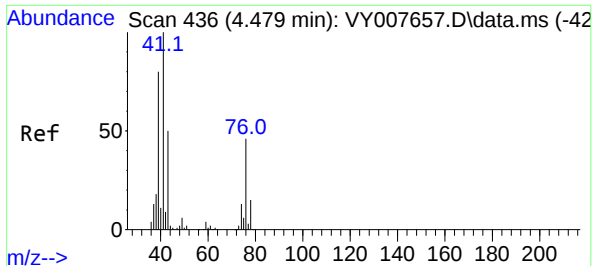
Tgt Ion: 76 Resp: 59

Ion Ratio Lower Upper

76 100

78 0.0 7.4 11.0#





#18

Methyl Acetate

Concen: Below Cal

RT: 4.448 min Scan# 41

Delta R.T. -0.031 min

Lab File: VY007863.D

Acq: 11 Mar 2022 18:34

Instrument :

MSVOA_Y

ClientSampleId :

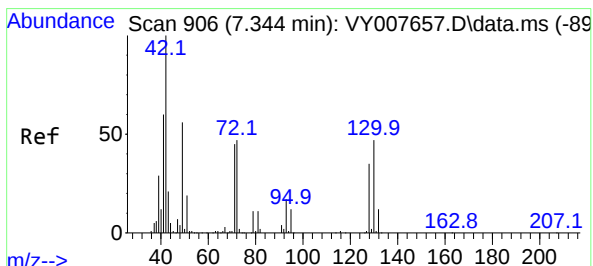
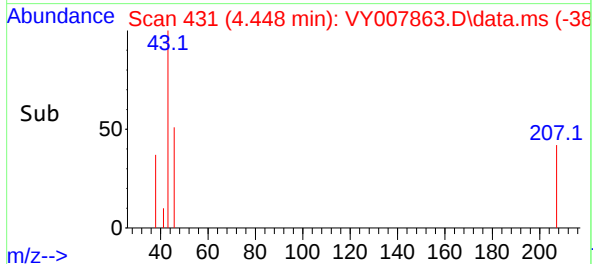
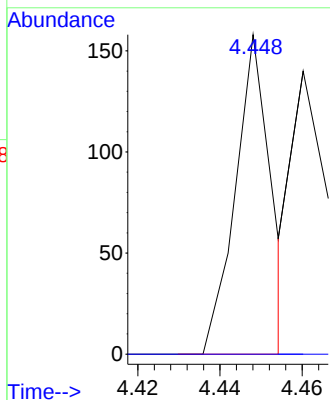
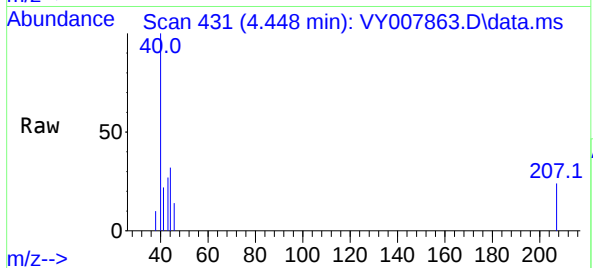
MB-B1-030922-2-3

Tgt Ion: 43 Resp: 97

Ion Ratio Lower Upper

43 100

74 0.0 16.6 24.8#



#29

Tetrahydrofuran

Concen: 1.438 ug/l

RT: 7.356 min Scan# 908

Delta R.T. 0.012 min

Lab File: VY007863.D

Acq: 11 Mar 2022 18:34

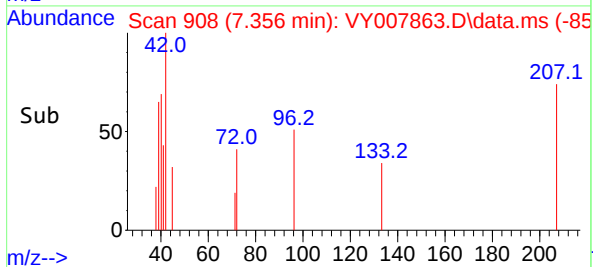
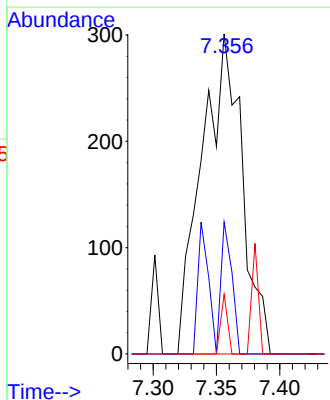
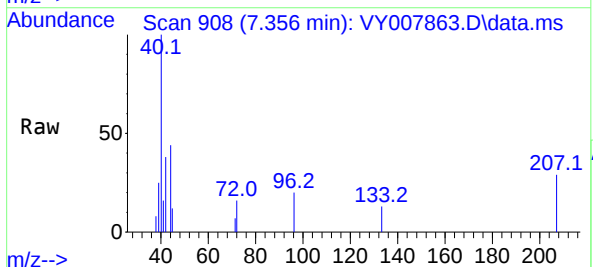
Tgt Ion: 42 Resp: 666

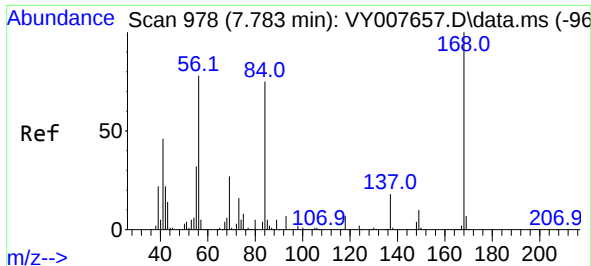
Ion Ratio Lower Upper

42 100

72 11.1 30.3 45.5#

71 3.0 29.0 43.4#

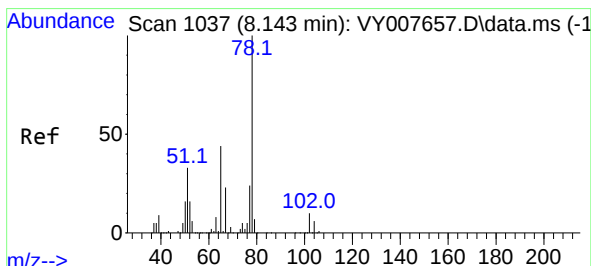
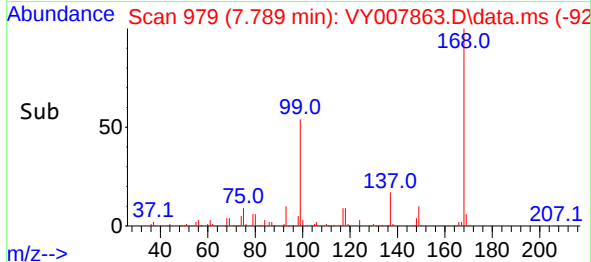
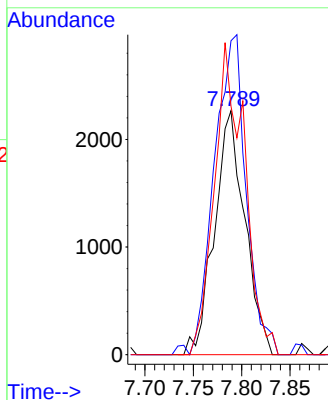
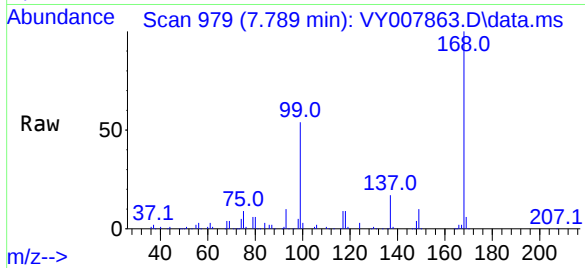




#31
Cyclohexane
Concen: Below Cal
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY007863.D
Acq: 11 Mar 2022 18:34

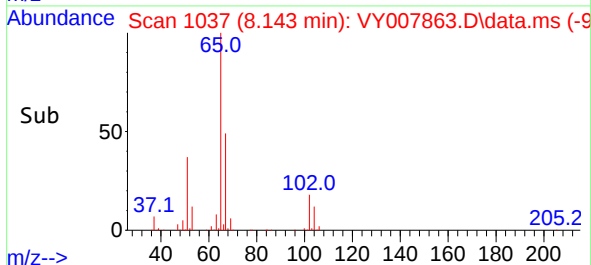
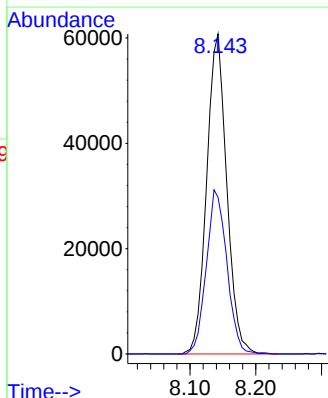
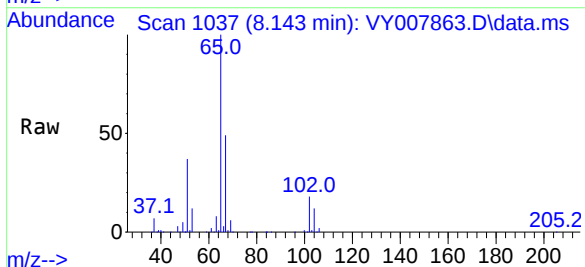
Instrument :
MSVOA_Y
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MB-B1-030922-2-3

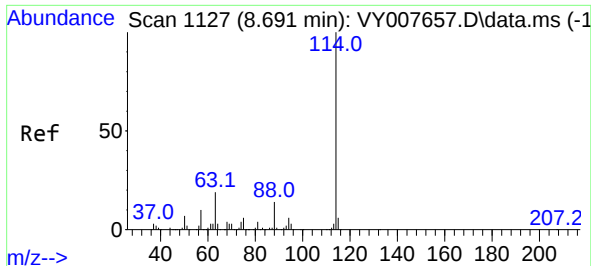
Tgt Ion: 56 Resp: 4946
Ion Ratio Lower Upper
56 100
69 128.7 26.7 40.1#
84 101.9 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 65.089 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY007863.D
Acq: 11 Mar 2022 18:34

Tgt Ion: 65 Resp: 129120
Ion Ratio Lower Upper
65 100
67 52.5 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY007863.D

Acq: 11 Mar 2022 18:34

Instrument :

MSVOA_Y

ClientSampleId :

MB-B1-030922-2-3

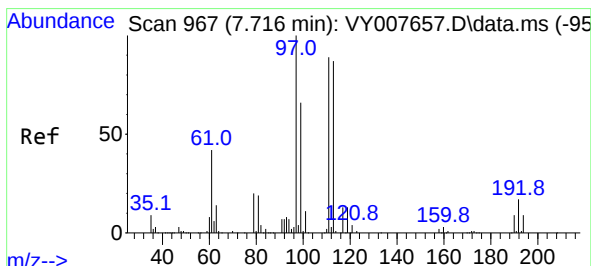
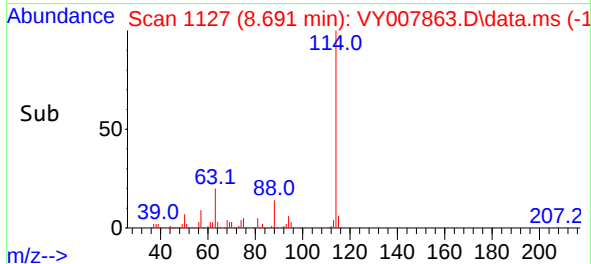
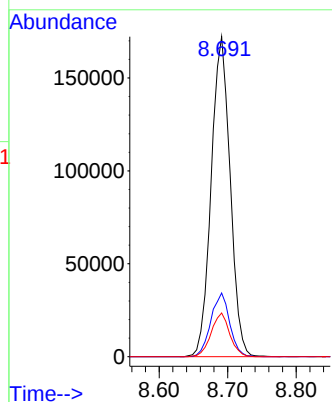
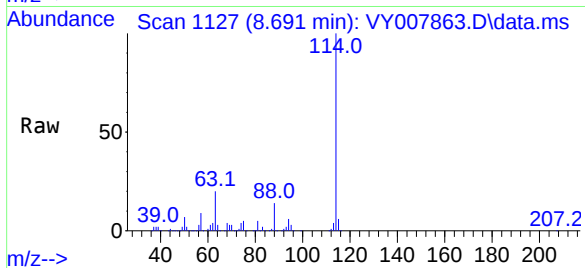
Tgt Ion:114 Resp: 330111

Ion Ratio Lower Upper

114 100

63 19.9 0.0 43.2

88 13.7 0.0 31.8



#35

Dibromofluoromethane

Concen: 53.737 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY007863.D

Acq: 11 Mar 2022 18:34

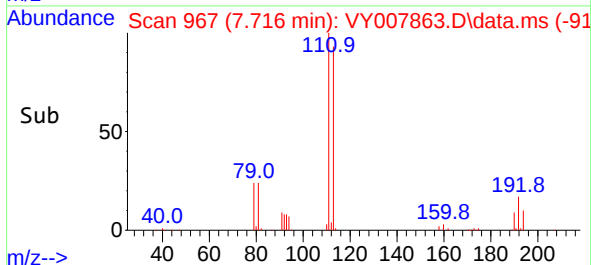
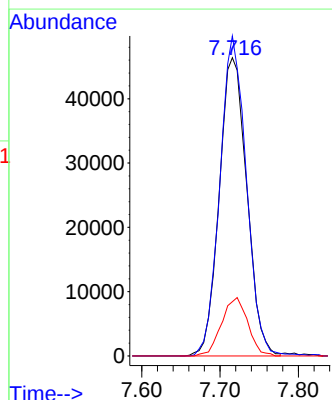
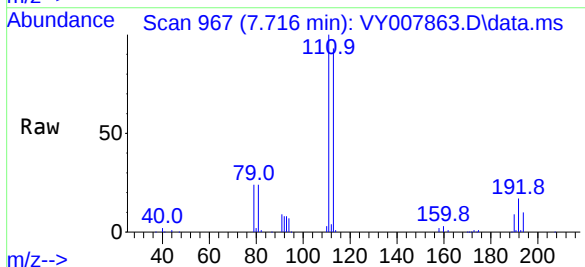
Tgt Ion:113 Resp: 113413

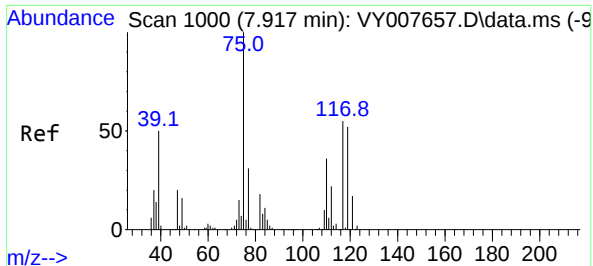
Ion Ratio Lower Upper

113 100

111 103.2 82.6 124.0

192 18.6 17.6 26.4





#36

1,1-Dichloropropene

Concen: 4.649 ug/l

RT: 7.789 min Scan# 91

Delta R.T. -0.128 min

Lab File: VY007863.D

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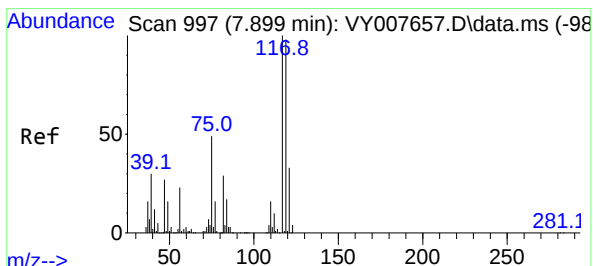
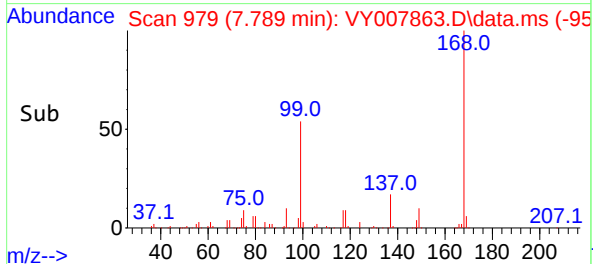
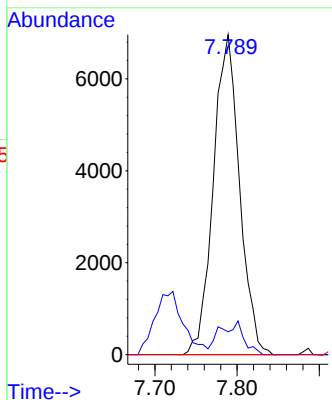
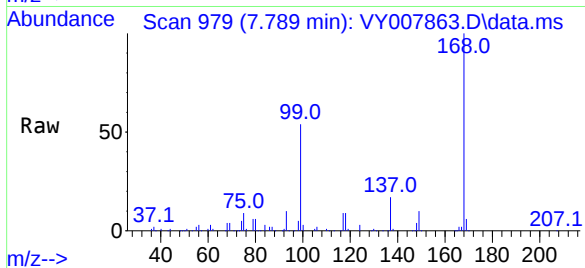
Tgt Ion: 75 Resp: 15435

Ion Ratio Lower Upper

75 100

110 3.5 17.1 51.2#

77 0.0 24.4 36.6#



#38

Carbon Tetrachloride

Concen: 5.567 ug/l

RT: 7.783 min Scan# 978

Delta R.T. -0.116 min

Lab File: VY007863.D

Acq: 11 Mar 2022 18:34

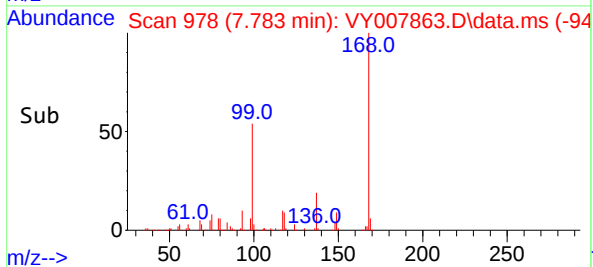
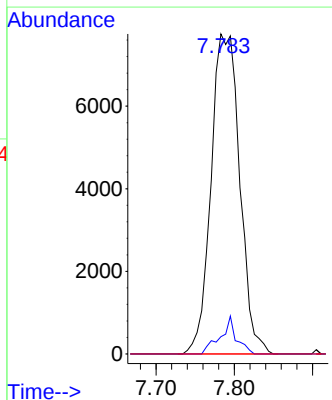
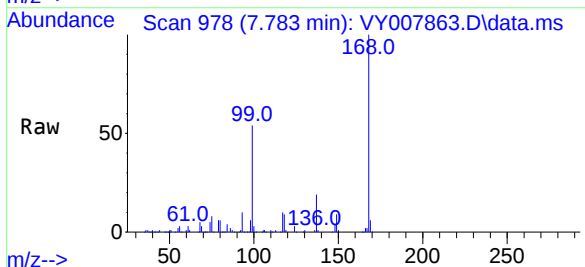
Tgt Ion: 117 Resp: 19716

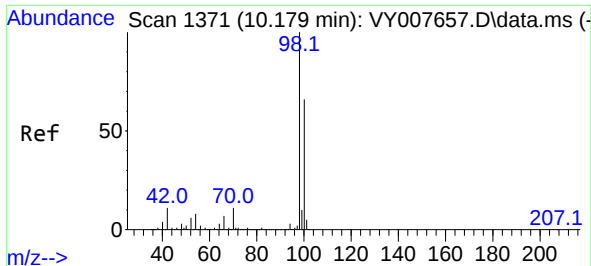
Ion Ratio Lower Upper

117 100

119 5.4 77.9 116.9#

121 0.0 24.8 37.2#

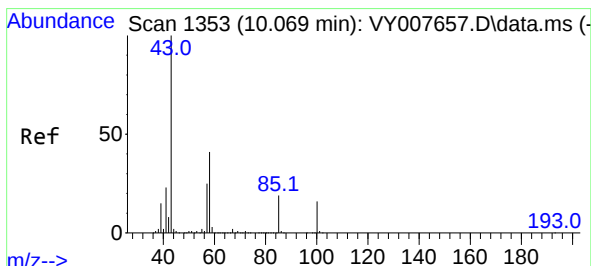
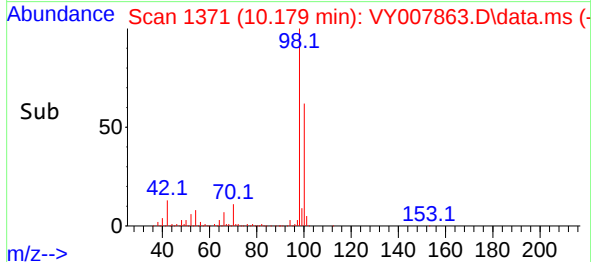
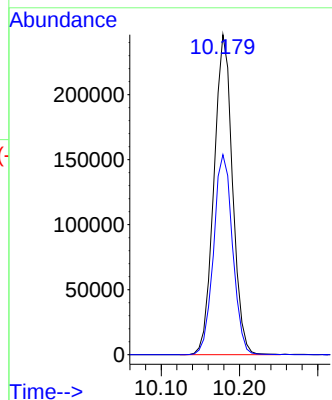
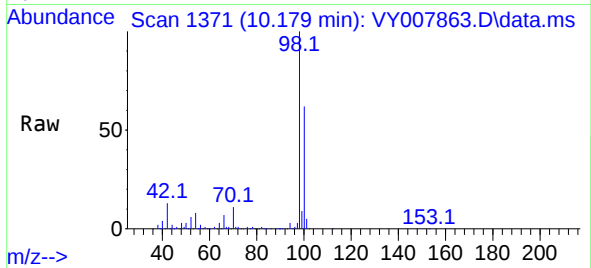




#50
Toluene-d8
Concen: 52.227 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY007863.D
Acq: 11 Mar 2022 18:34

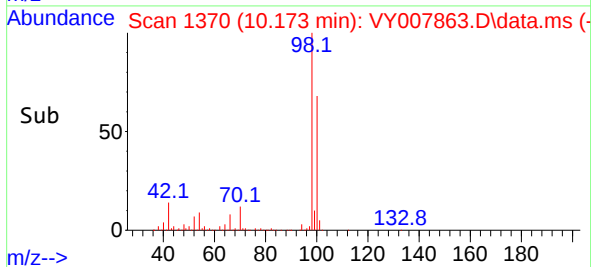
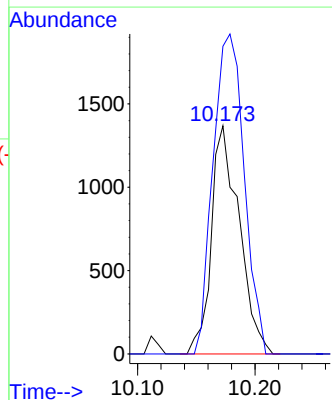
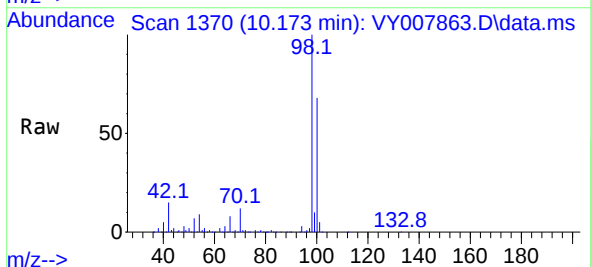
Instrument :
MSVOA_Y
ClientSampleId :
MB-B1-030922-2-3

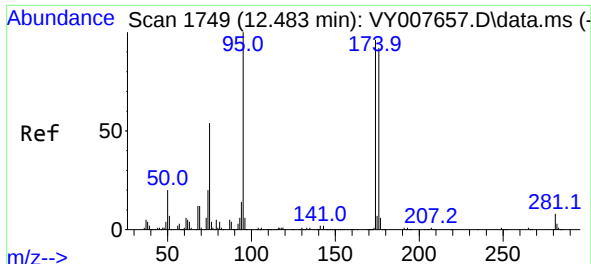
Tgt Ion: 98 Resp: 405743
Ion Ratio Lower Upper
98 100
100 63.9 50.2 75.2



#51
4-Methyl-2-Pentanone
Concen: 1.239 ug/l
RT: 10.173 min Scan# 1370
Delta R.T. 0.104 min
Lab File: VY007863.D
Acq: 11 Mar 2022 18:34

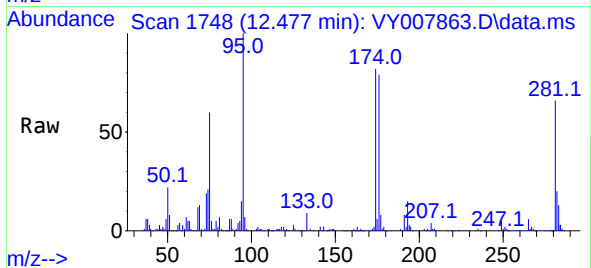
Tgt Ion: 43 Resp: 2249
Ion Ratio Lower Upper
43 100
58 157.4 28.1 42.1#



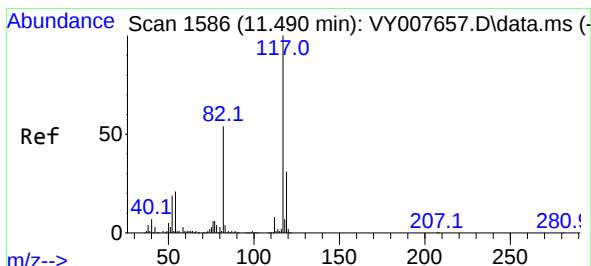
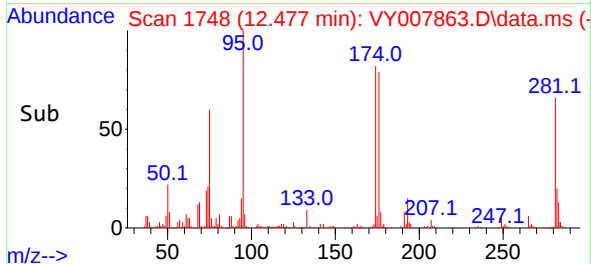
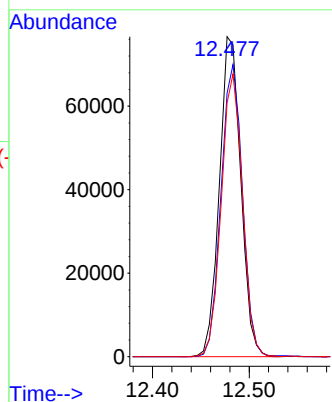


#62
4-Bromofluorobenzene
Concen: 46.908 ug/l
RT: 12.477 min Scan# 117469
Delta R.T. -0.006 min
Lab File: VY007863.D
Acq: 11 Mar 2022 18:34

Instrument :
MSVOA_Y
ClientSampleId :
MB-B1-030922-2-3

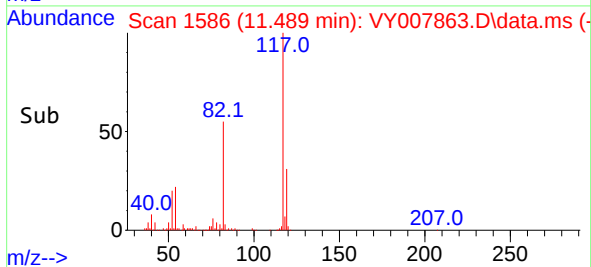
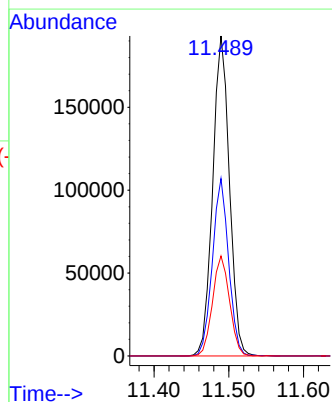
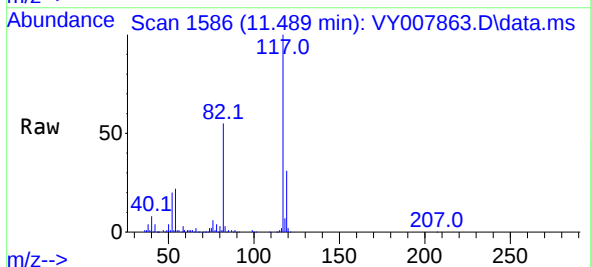


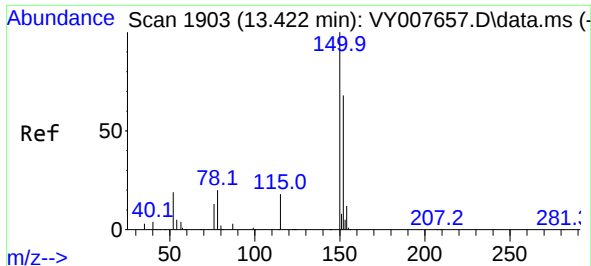
Tgt Ion: 95 Resp: 117469
Ion Ratio Lower Upper
95 100
174 91.7 0.0 177.0
176 88.1 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.001 min
Lab File: VY007863.D
Acq: 11 Mar 2022 18:34

Tgt Ion: 117 Resp: 300752
Ion Ratio Lower Upper
117 100
82 55.5 43.0 64.4
119 31.2 25.4 38.0

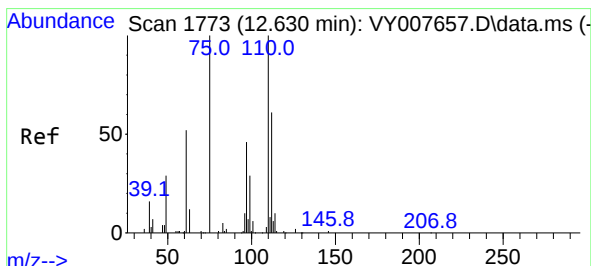
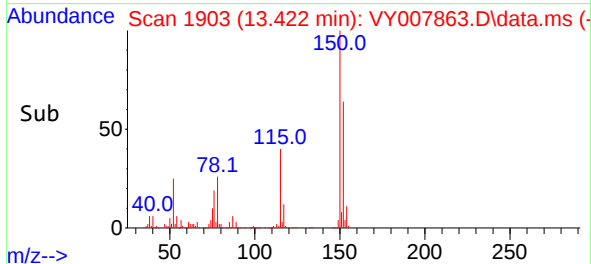
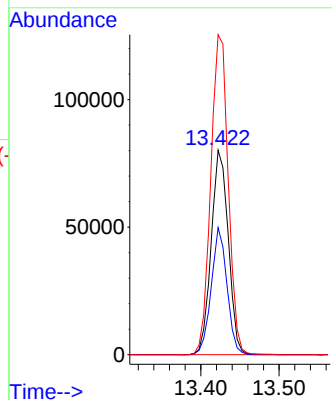
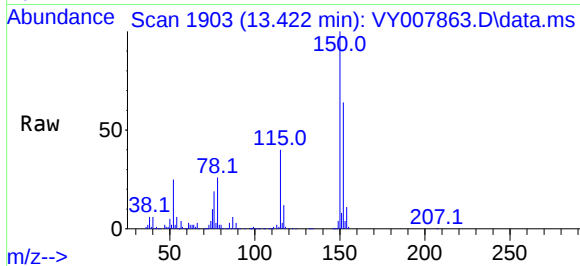




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.422 min Scan# 1903
 Delta R.T. 0.000 min
 Lab File: VY007863.D
 Acq: 11 Mar 2022 18:34

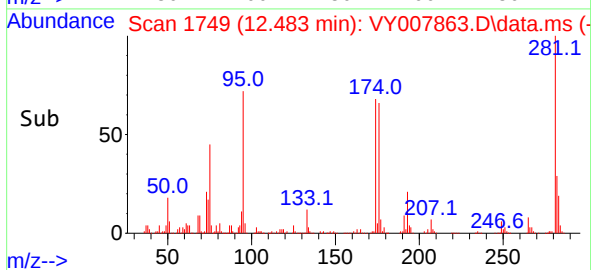
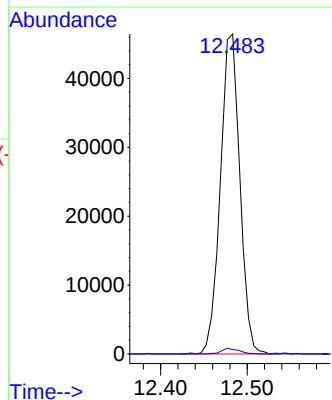
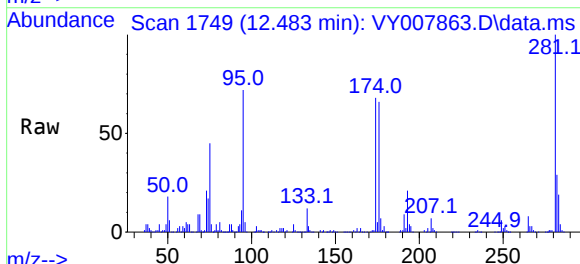
Instrument :
 MSVOA_Y
 ClientSampleId :
 MB-B1-030922-2-3

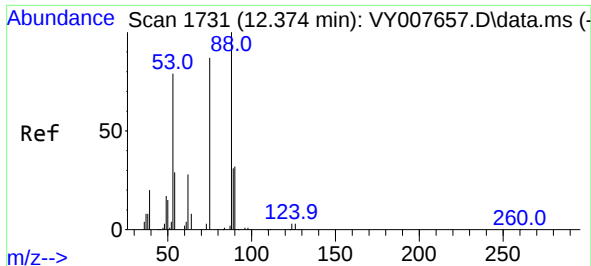
Tgt Ion:152 Resp: 121616
 Ion Ratio Lower Upper
 152 100
 115 57.1 28.2 84.7
 150 159.5 0.0 347.6



#76
 1,2,3-Trichloropropane
 Concen: 53.521 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.147 min
 Lab File: VY007863.D
 Acq: 11 Mar 2022 18:34

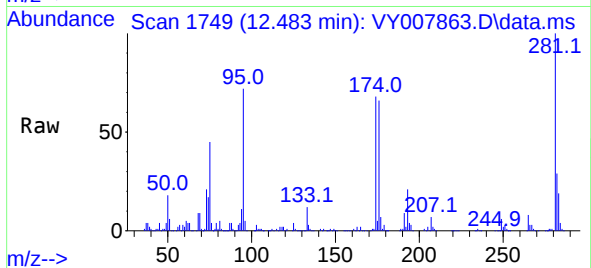
Tgt Ion: 75 Resp: 72690
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 109.416 ug/l
 RT: 12.483 min Scan# 11
 Delta R.T. 0.109 min
 Lab File: VY007863.D
 Acq: 11 Mar 2022 18:34

Instrument :
 MSVOA_Y
 ClientSampleId :
 MB-B1-030922-2-3



Tgt Ion: 75 Resp: 72690
 Ion Ratio Lower Upper
 75 100
 53 0.4 85.3 127.9#
 89 1.6 37.0 55.4#

