

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050922\
 Data File : VY008662.D
 Acq On : 09 May 2022 15:44
 Operator : KP/MD
 Sample : VY0509SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0509SBL01

Quant Time: May 10 03:22:49 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y050922S.M
 Quant Title : SW846 8260
 QLast Update : Mon May 09 19:21:20 2022
 Response via : Initial Calibration

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

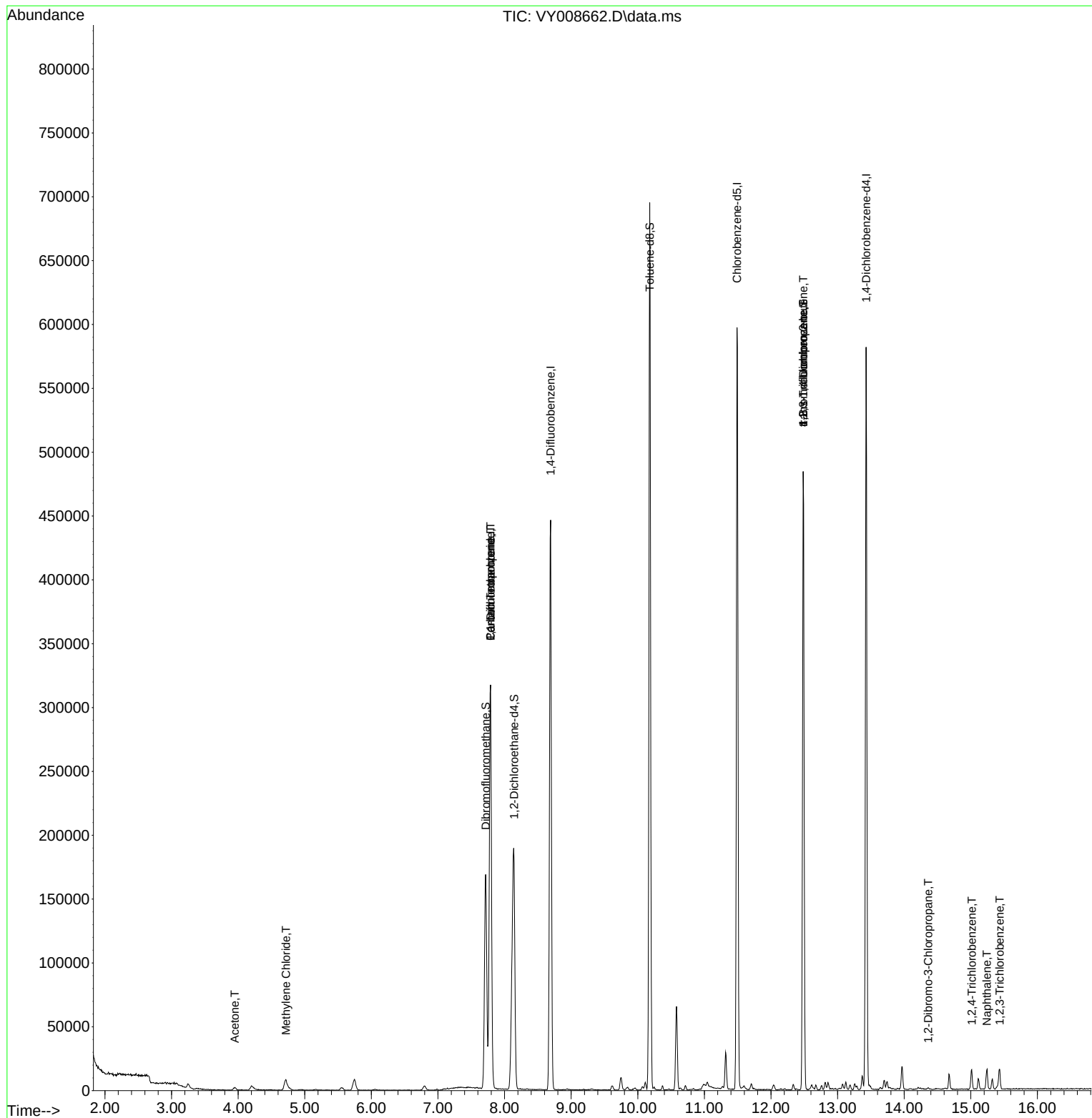
Internal Standards						
1) Pentafluorobenzene	7.789	168	272778	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	418954	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	362011	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	161156	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	116137	49.688	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	99.380%		
35) Dibromofluoromethane	7.716	113	123093	47.678	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	95.360%		
50) Toluene-d8	10.179	98	475046	52.214	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	104.420%		
62) 4-Bromofluorobenzene	12.483	95	144856	44.255	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	88.520%		
Target Compounds						
11) Tert butyl alcohol	4.954	59	917	Below Cal	#	77
16) Acetone	3.948	43	3768	6.833	ug/l	96
18) Methyl Acetate	4.485	43	616	Below Cal	#	56
20) Methylene Chloride	4.716	84	6505	1.943	ug/l	# 80
36) 1,1-Dichloropropene	7.789	75	17708	4.269	ug/l	# 52
38) Carbon Tetrachloride	7.789	117	24813	5.914	ug/l	# 15
76) 1,2,3-Trichloropropane	12.483	75	70249	38.669	ug/l	# 100
81) trans-1,4-Dichloro-2-b...	12.483	75	70249	76.935	ug/l	# 7
92) 1,2-Dibromo-3-Chloropr...	14.361	75	536	1.405	ug/l	80
93) 1,2,4-Trichlorobenzene	15.013	180	5205	1.542	ug/l	99
95) Naphthalene	15.239	128	13790	1.996	ug/l	99
96) 1,2,3-Trichlorobenzene	15.434	180	6107	2.052	ug/l	97

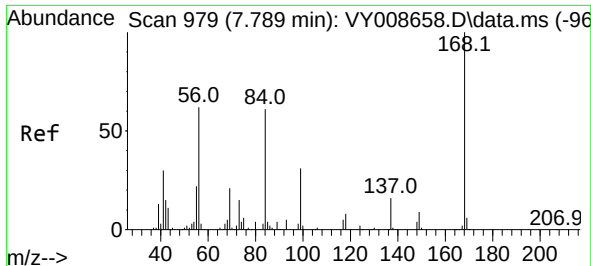
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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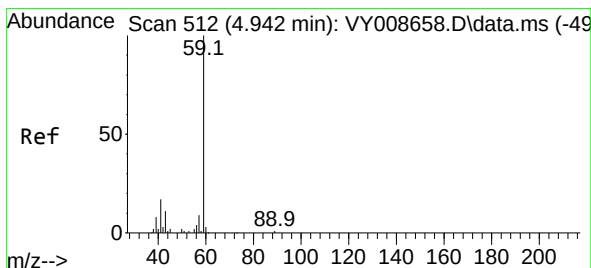
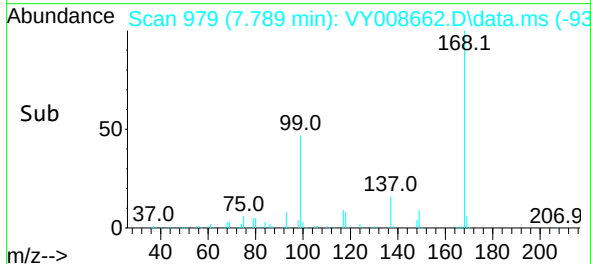
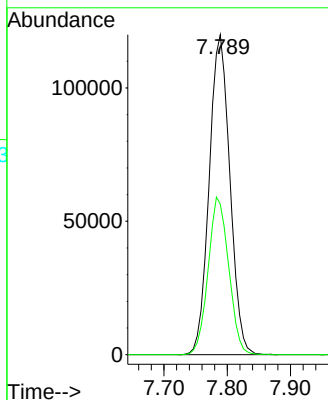
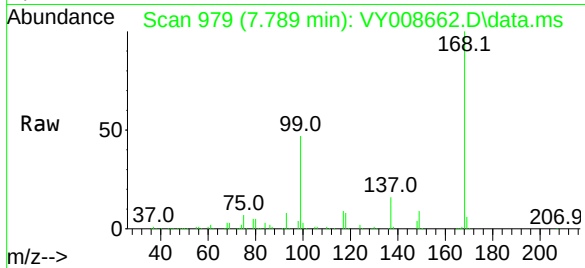




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY008662.D
Acq: 09 May 2022 15:44

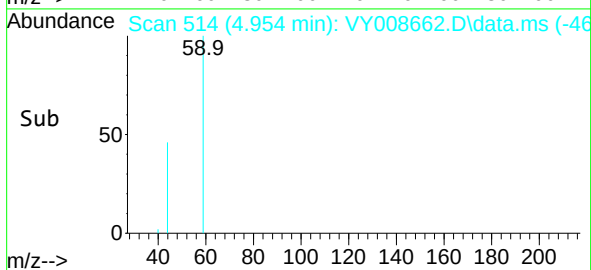
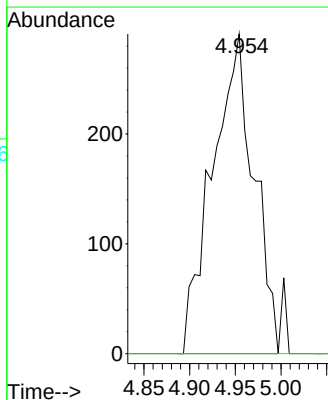
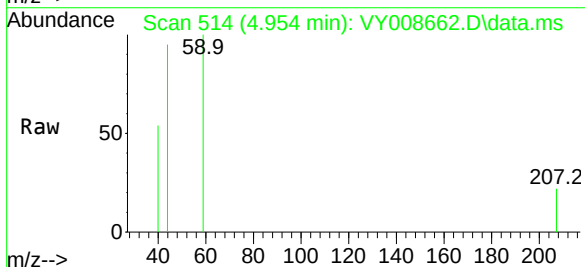
Instrument :
MSVOA_Y
ClientSampleId :
VY0509SBL01

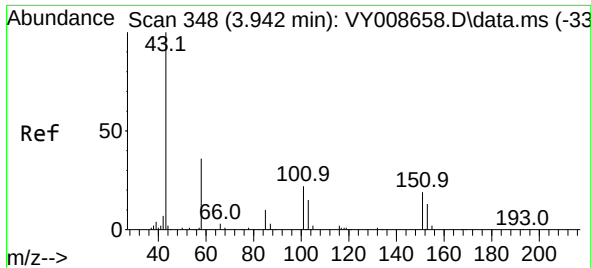
Tgt Ion:168 Resp: 272778
Ion Ratio Lower Upper
168 100
99 47.0 46.9 70.3



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.954 min Scan# 514
Delta R.T. 0.012 min
Lab File: VY008662.D
Acq: 09 May 2022 15:44

Tgt Ion: 59 Resp: 917
Ion Ratio Lower Upper
59 100
57 0.0 6.4 9.6#





#16

Acetone

Concen: 6.833 ug/l

RT: 3.948 min Scan# 34

Delta R.T. 0.006 min

Lab File: VY008662.D

Acq: 09 May 2022 15:44

Instrument :

MSVOA_Y

ClientSampleId :

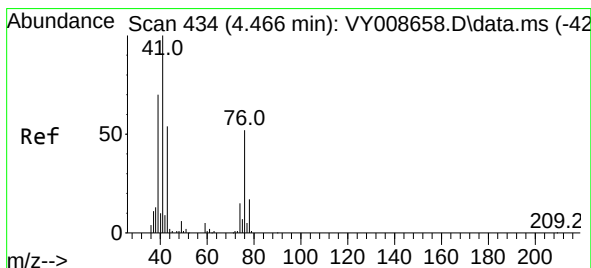
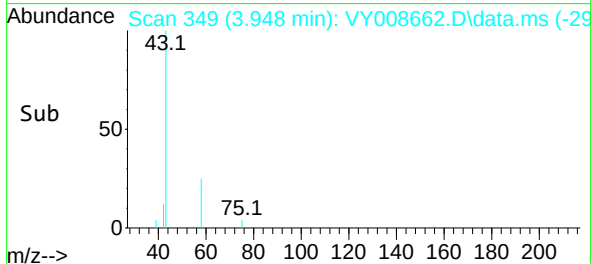
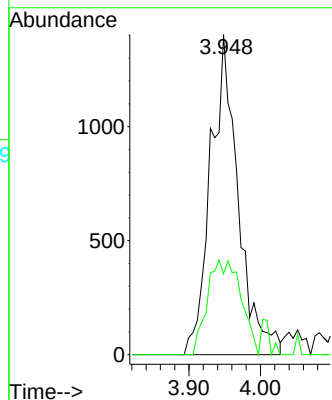
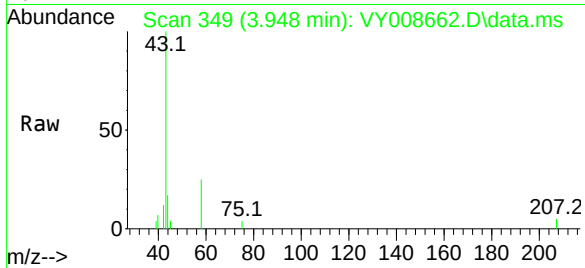
VY0509SBL01

Tgt Ion: 43 Resp: 3768

Ion Ratio Lower Upper

43 100

58 25.2 22.0 33.0



#18

Methyl Acetate

Concen: Below Cal

RT: 4.485 min Scan# 437

Delta R.T. 0.019 min

Lab File: VY008662.D

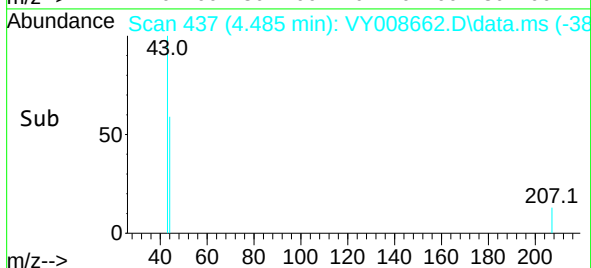
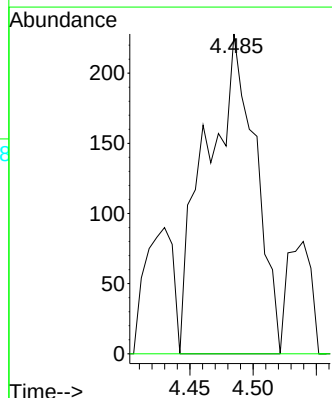
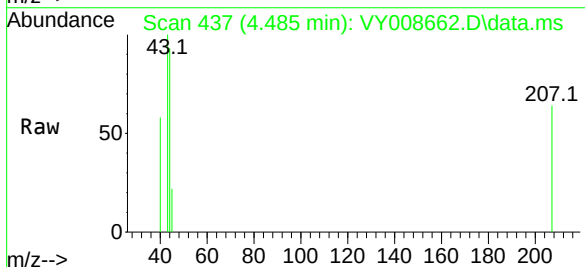
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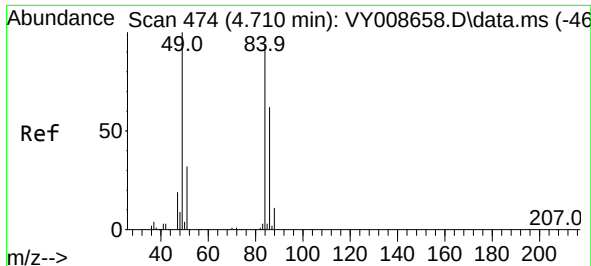
Tgt Ion: 43 Resp: 616

Ion Ratio Lower Upper

43 100

74 0.0 16.6 24.8#





#20

Methylene Chloride

Concen: 1.943 ug/l

RT: 4.716 min Scan# 41

Delta R.T. 0.006 min

Lab File: VY008662.D

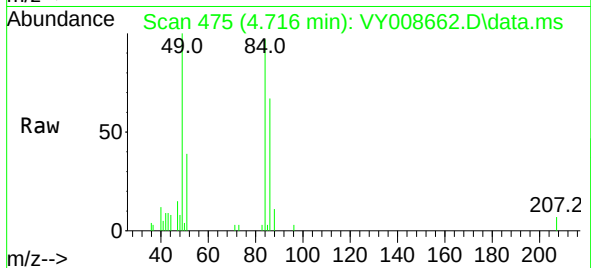
Acq: 09 May 2022 15:44

Instrument :

MSVOA_Y

ClientSampleId :

VY0509SBL01



Tgt Ion: 84 Resp: 6505

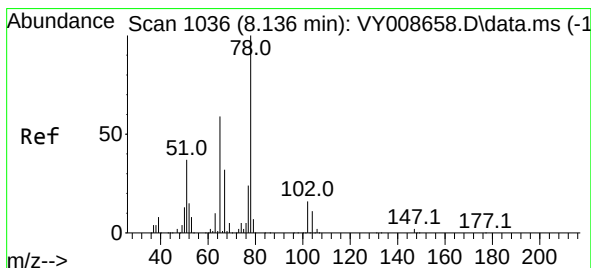
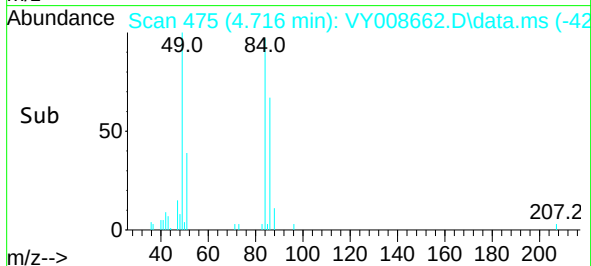
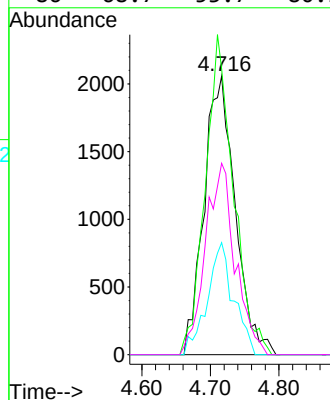
Ion Ratio Lower Upper

84 100

49 102.6 114.4 171.6#

51 40.2 35.3 52.9

86 68.7 53.7 80.5



#33

1,2-Dichloroethane-d4

Concen: 49.688 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. 0.007 min

Lab File: VY008662.D

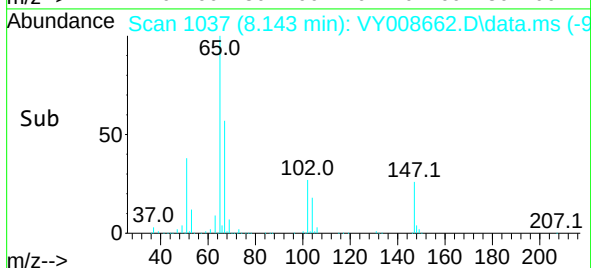
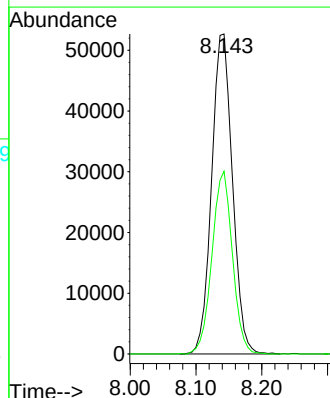
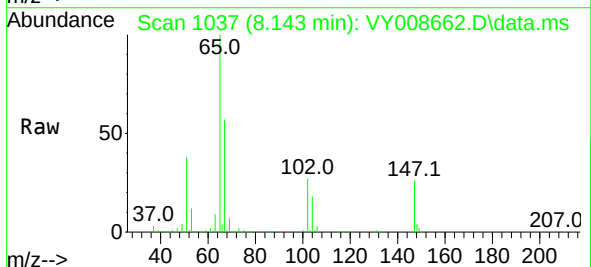
Acq: 09 May 2022 15:44

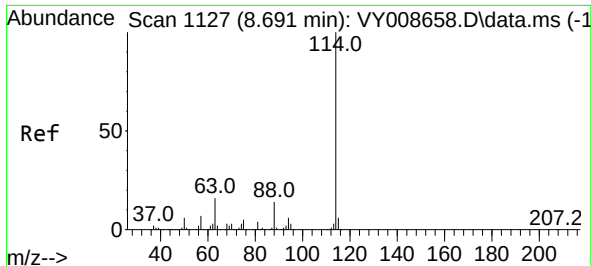
Tgt Ion: 65 Resp: 116137

Ion Ratio Lower Upper

65 100

67 56.1 0.0 99.4

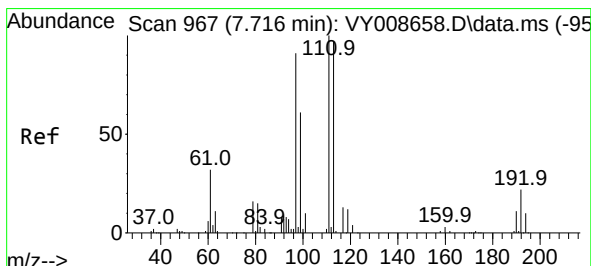
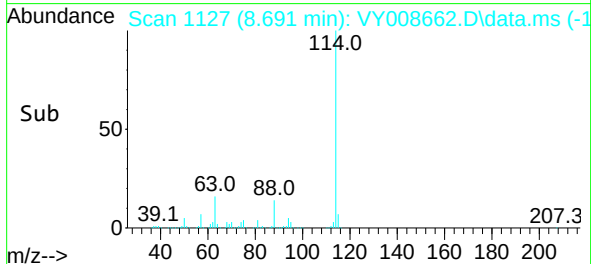
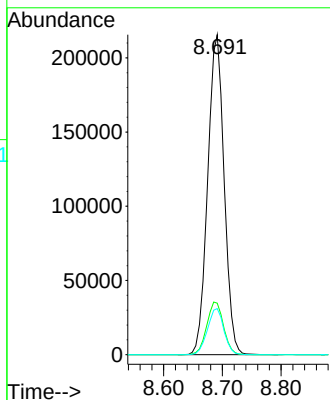
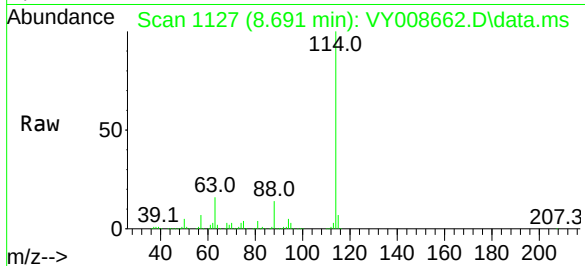




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VY008662.D
Acq: 09 May 2022 15:44

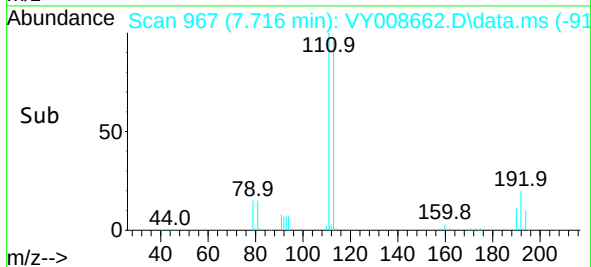
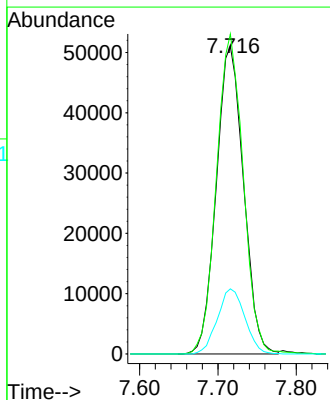
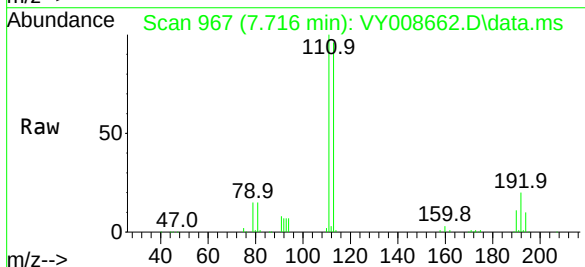
Instrument :
MSVOA_Y
ClientSampleId :
VY0509SBL01

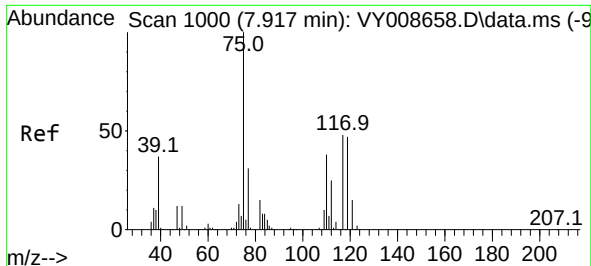
Tgt Ion:114 Resp: 418954
Ion Ratio Lower Upper
114 100
63 16.1 0.0 43.2
88 14.4 0.0 31.8



#35
Dibromofluoromethane
Concen: 47.678 ug/l
RT: 7.716 min Scan# 967
Delta R.T. -0.000 min
Lab File: VY008662.D
Acq: 09 May 2022 15:44

Tgt Ion:113 Resp: 123093
Ion Ratio Lower Upper
113 100
111 102.3 82.6 124.0
192 21.4 17.6 26.4

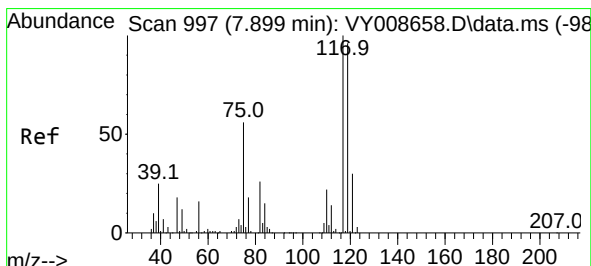
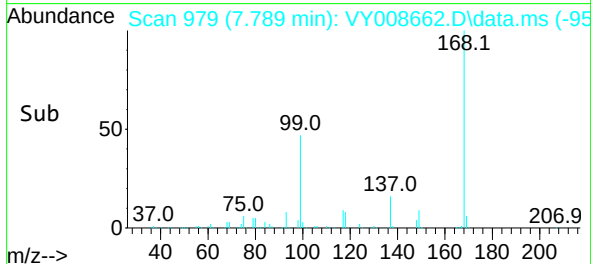
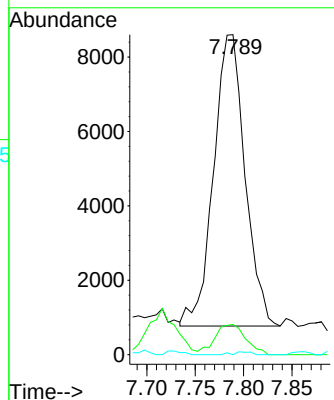
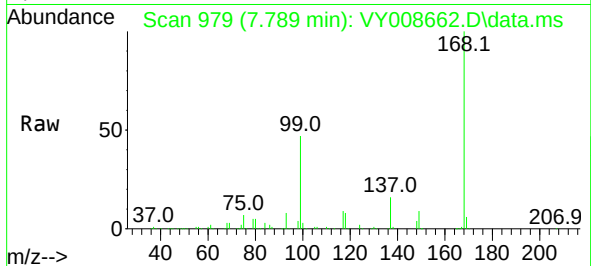




#36
 1,1-Dichloropropene
 Concen: 4.269 ug/l
 RT: 7.789 min Scan# 91
 Delta R.T. -0.128 min
 Lab File: VY008662.D
 Acq: 09 May 2022 15:44

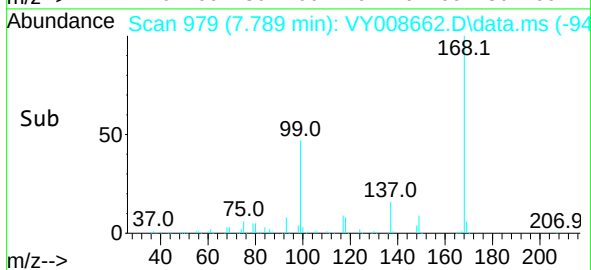
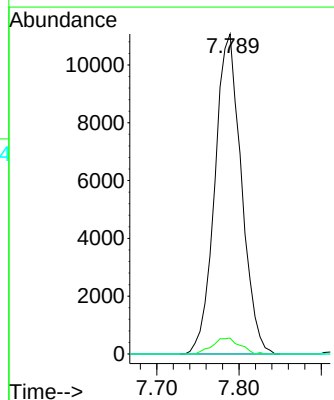
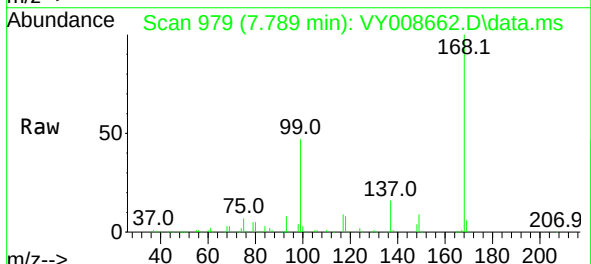
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0509SBL01

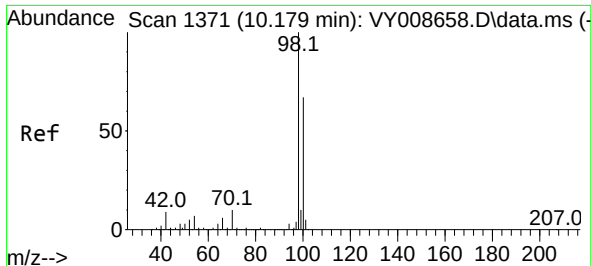
Tgt Ion: 75 Resp: 17708
 Ion Ratio Lower Upper
 75 100
 110 10.2 17.1 51.2#
 77 0.5 24.4 36.6#



#38
 Carbon Tetrachloride
 Concen: 5.914 ug/l
 RT: 7.789 min Scan# 979
 Delta R.T. -0.110 min
 Lab File: VY008662.D
 Acq: 09 May 2022 15:44

Tgt Ion: 117 Resp: 24813
 Ion Ratio Lower Upper
 117 100
 119 5.0 77.9 116.9#
 121 0.0 24.8 37.2#

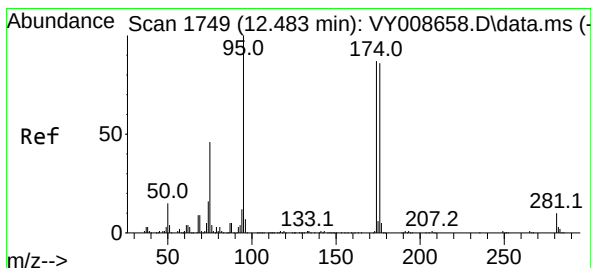
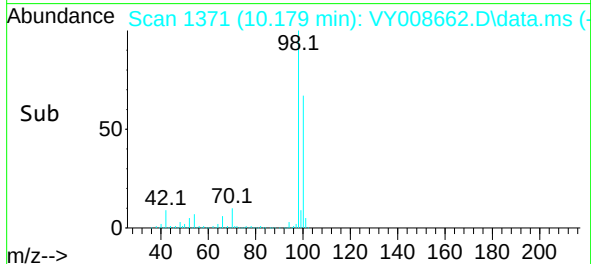
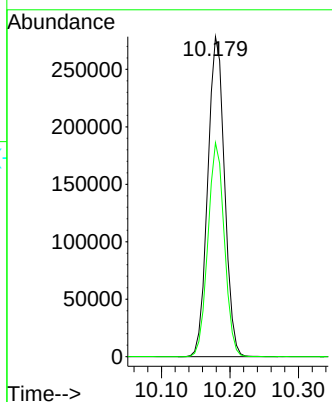
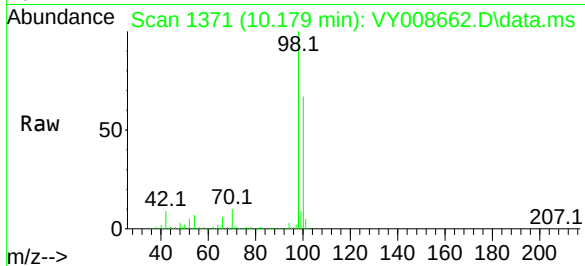




#50
Toluene-d8
Concen: 52.214 ug/l
RT: 10.179 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY008662.D
Acq: 09 May 2022 15:44

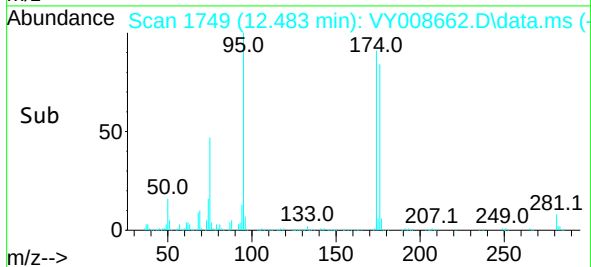
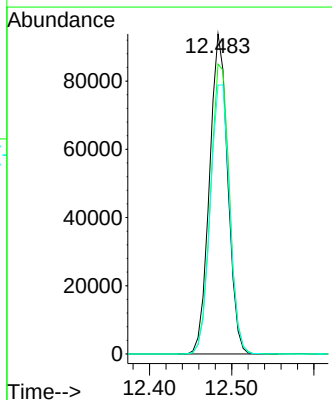
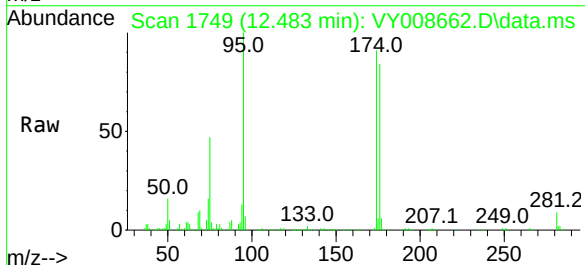
Instrument :
MSVOA_Y
ClientSampleId :
VY0509SBL01

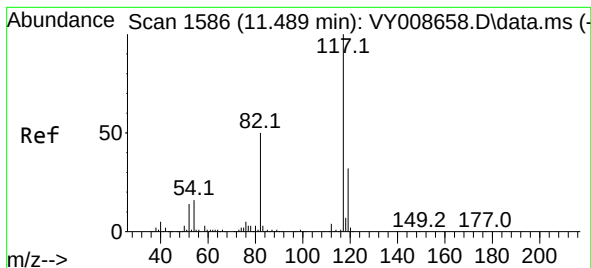
Tgt Ion: 98 Resp: 475046
Ion Ratio Lower Upper
98 100
100 65.3 50.2 75.2



#62
4-Bromofluorobenzene
Concen: 44.255 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY008662.D
Acq: 09 May 2022 15:44

Tgt Ion: 95 Resp: 144856
Ion Ratio Lower Upper
95 100
174 93.4 0.0 177.0
176 88.6 0.0 175.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.001 min

Lab File: VY008662.D

Acq: 09 May 2022 15:44

Instrument :

MSVOA_Y

ClientSampleId :

VY0509SBL01

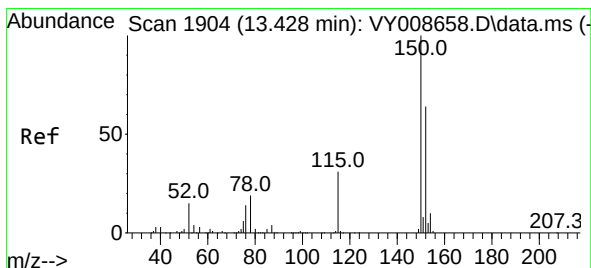
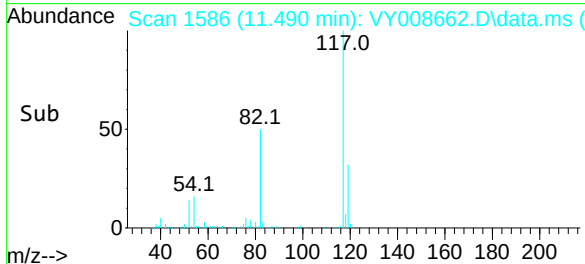
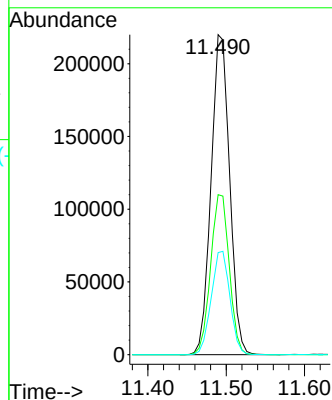
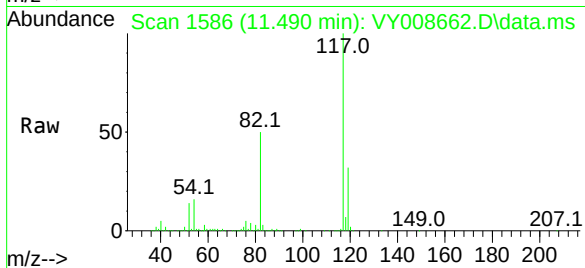
Tgt Ion:117 Resp: 362011

Ion Ratio Lower Upper

117 100

82 50.0 43.0 64.4

119 31.9 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY008662.D

Acq: 09 May 2022 15:44

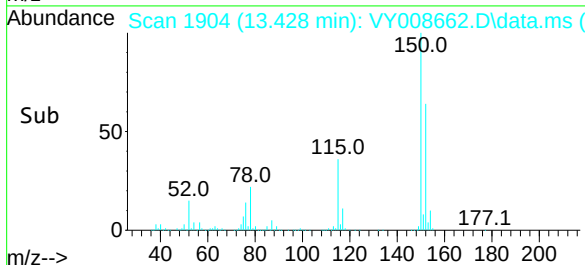
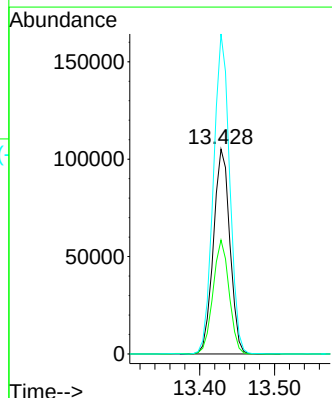
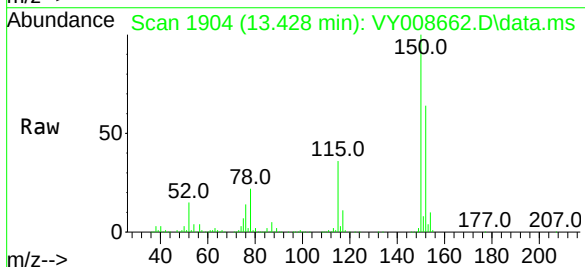
Tgt Ion:152 Resp: 161156

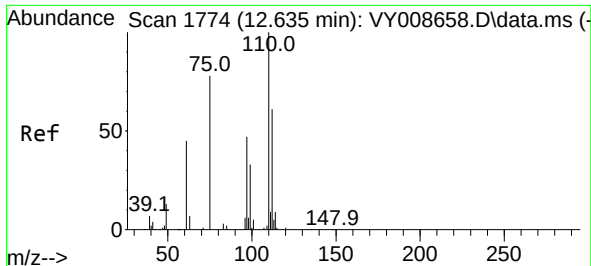
Ion Ratio Lower Upper

152 100

115 54.4 28.2 84.7

150 154.5 0.0 347.6

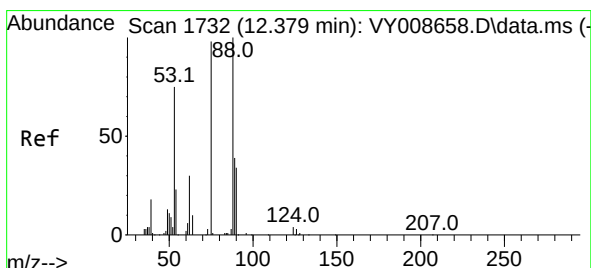
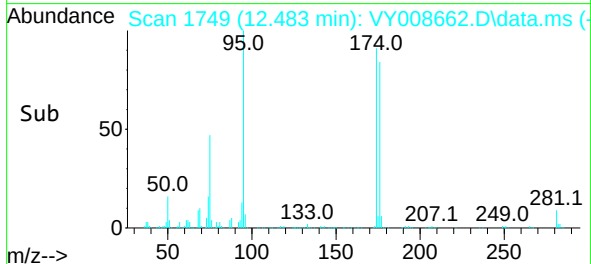
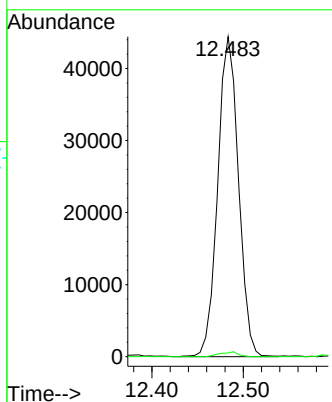
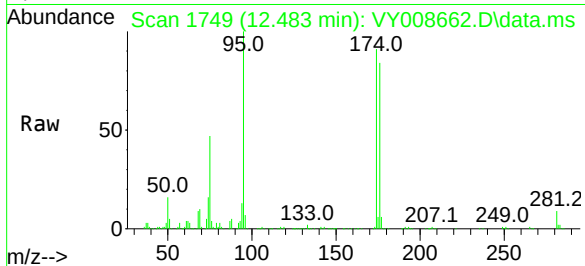




#76
1,2,3-Trichloropropane
Concen: 38.669 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY008662.D
Acq: 09 May 2022 15:44

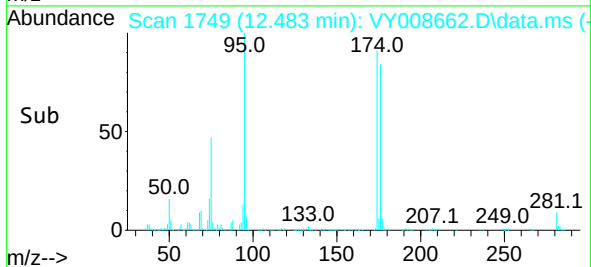
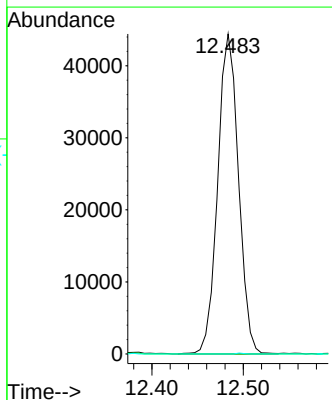
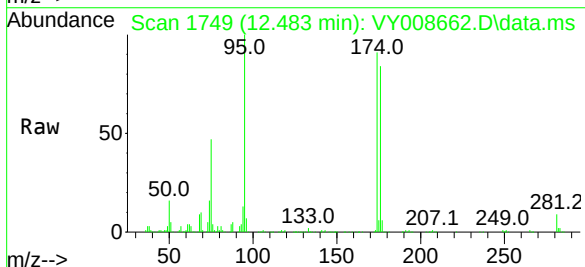
Instrument :
MSVOA_Y
ClientSampleId :
VY0509SBL01

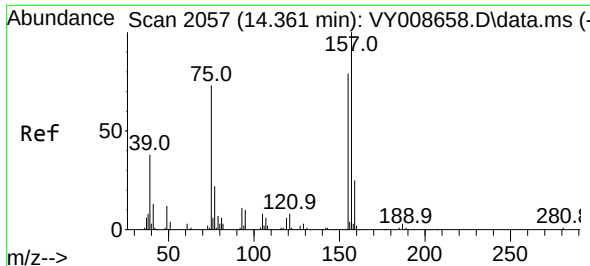
Tgt Ion: 75 Resp: 70249
Ion Ratio Lower Upper
75 100
77 1.3 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 76.935 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY008662.D
Acq: 09 May 2022 15:44

Tgt Ion: 75 Resp: 70249
Ion Ratio Lower Upper
75 100
53 0.0 85.3 127.9#
89 0.1 37.0 55.4#

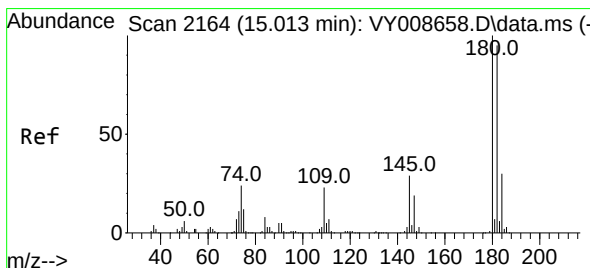
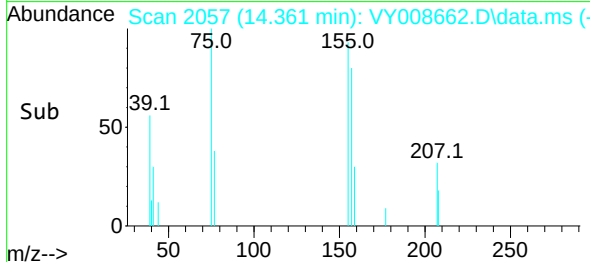
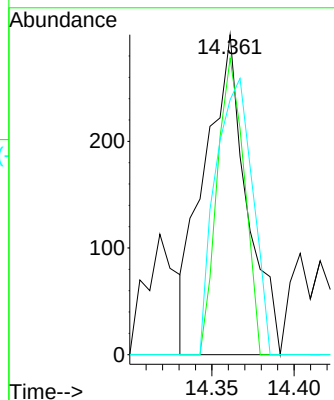
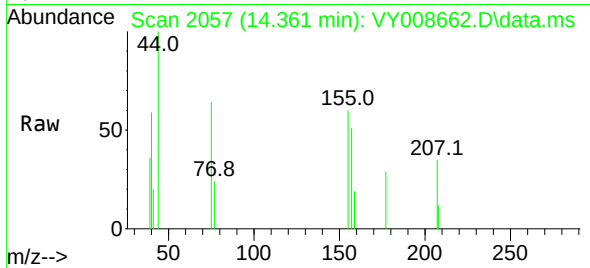




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 1.405 ug/l
 RT: 14.361 min Scan# 2057
 Delta R.T. 0.000 min
 Lab File: VY008662.D
 Acq: 09 May 2022 15:44

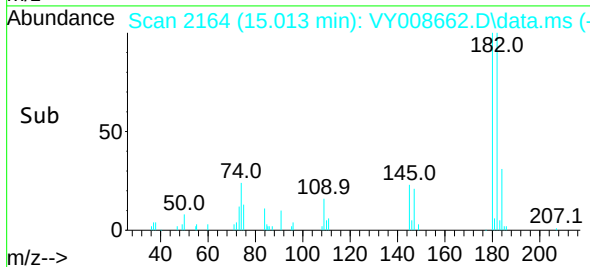
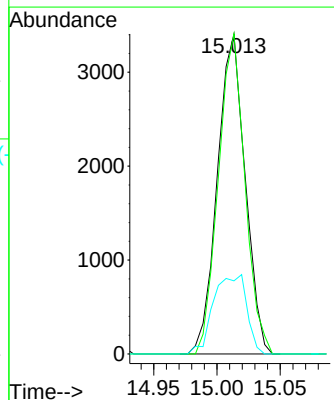
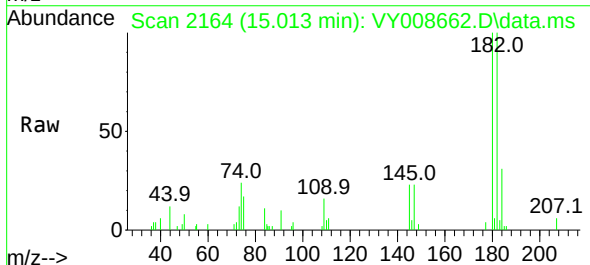
Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0509SBL01

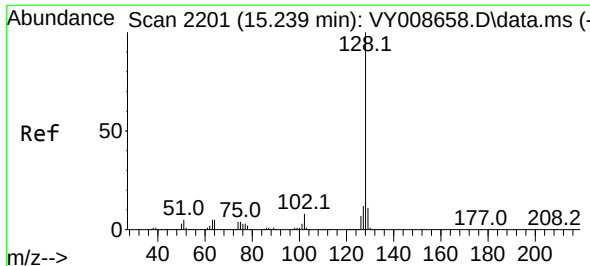
Tgt Ion: 75 Resp: 536
 Ion Ratio Lower Upper
 75 100
 155 59.7 38.0 113.9
 157 75.6 47.8 143.3



#93
 1,2,4-Trichlorobenzene
 Concen: 1.542 ug/l
 RT: 15.013 min Scan# 2164
 Delta R.T. 0.000 min
 Lab File: VY008662.D
 Acq: 09 May 2022 15:44

Tgt Ion: 180 Resp: 5205
 Ion Ratio Lower Upper
 180 100
 182 95.3 47.3 141.9
 145 29.6 14.6 43.8

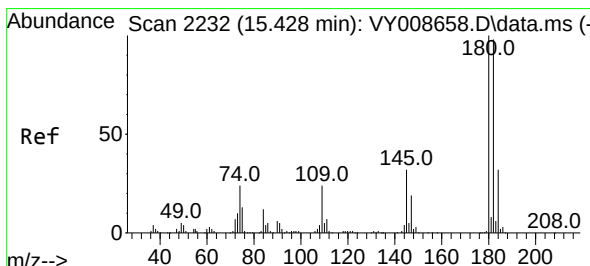
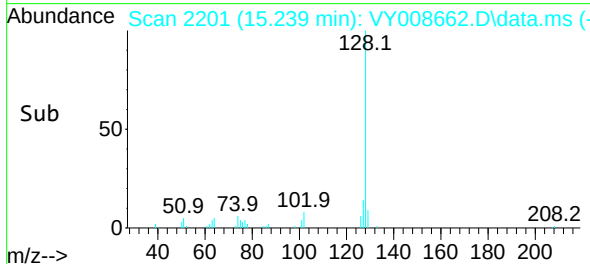
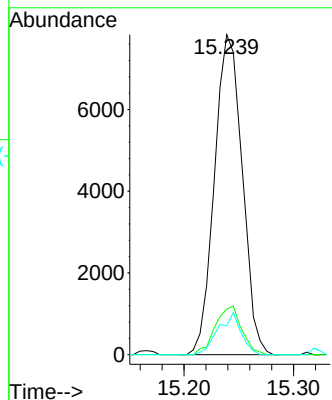
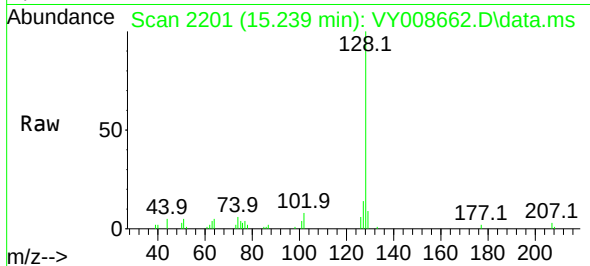




#95
Naphthalene
Concen: 1.996 ug/l
RT: 15.239 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY008662.D
Acq: 09 May 2022 15:44

Instrument :
MSVOA_Y
ClientSampleId :
VY0509SBL01

Tgt Ion:	128	Resp:	13790
Ion Ratio	Lower	Upper	
128	100		
127	14.4	11.0	16.4
129	10.9	8.4	12.6



#96
1,2,3-Trichlorobenzene
Concen: 2.052 ug/l
RT: 15.434 min Scan# 2233
Delta R.T. 0.006 min
Lab File: VY008662.D
Acq: 09 May 2022 15:44

Tgt Ion:	180	Resp:	6107
Ion Ratio	Lower	Upper	
180	100		
182	92.1	47.3	141.9
145	28.5	15.3	45.9

