

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011822\
 Data File : VY007210.D
 Acq On : 18 Jan 2022 16:10
 Operator : SY/MD
 Sample : N1158-02
 Misc : 5.10g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Jan 19 00:32:23 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011322S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 14 05:48:29 2022
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	2889	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	6047	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	6193	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	1939	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	2809	79.242	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	158.480%
35) Dibromofluoromethane	7.728	113	2193	53.633	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.260%
50) Toluene-d8	10.185	98	7328	49.048	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	98.100%
62) 4-Bromofluorobenzene	12.483	95	2608	49.072	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	98.140%

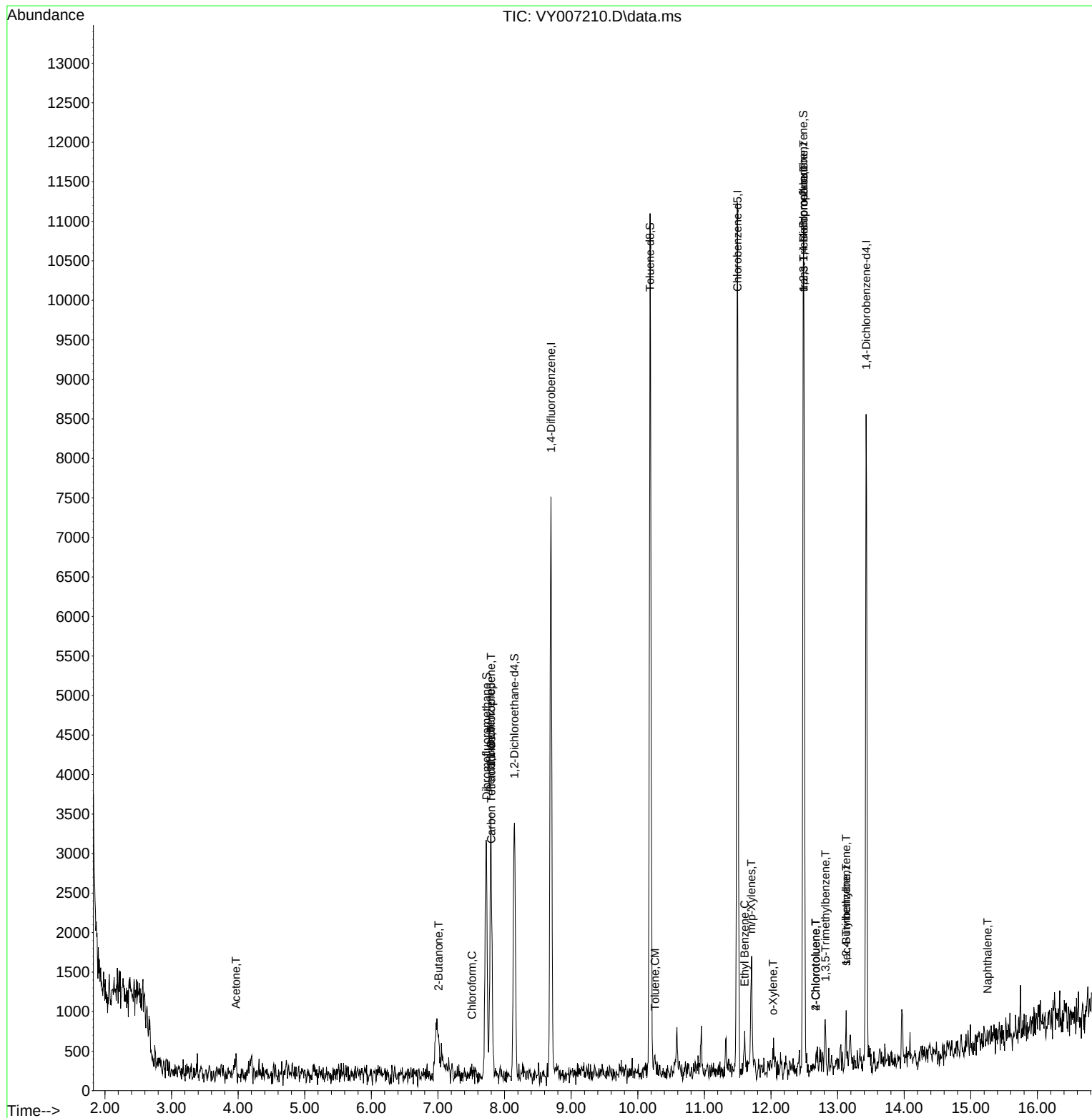
Target Compounds						Qvalue
16) Acetone	3.967	43	196	21.305	ug/l #	45
25) 2-Butanone	7.009	43	23	1.934	ug/l #	47
30) Chloroform	7.509	83	94	1.401	ug/l #	82
36) 1,1-Dichloropropene	7.795	75	173	2.649	ug/l #	42
38) Carbon Tetrachloride	7.801	117	259	3.771	ug/l #	12
52) Toluene	10.258	92	131	1.186	ug/l #	60
67) Ethyl Benzene	11.605	91	449	1.764	ug/l	95
68) m/p-Xylenes	11.703	106	556	5.879	ug/l	86
69) o-Xylene	12.032	106	115	1.291	ug/l	52
76) 1,2,3-Trichloropropane	12.489	75	1583	71.598	ug/l #	100
79) 2-Chlorotoluene	12.672	91	168	1.455	ug/l #	42
80) 1,3,5-Trimethylbenzene	12.819	105	146	1.062	ug/l	78
81) trans-1,4-Dichloro-2-b...	12.489	75	1583	131.075	ug/l #	3
82) 4-Chlorotoluene	12.672	91	168	1.395	ug/l #	42
84) 1,2,4-Trimethylbenzene	13.130	105	430	3.155	ug/l #	66
85) sec-Butylbenzene	13.130	105	430	2.419	ug/l #	57
95) Naphthalene	15.251	128	117	1.427	ug/l #	69

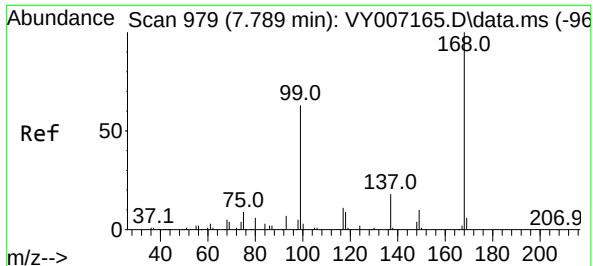
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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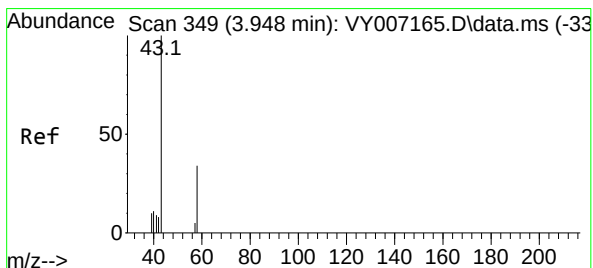
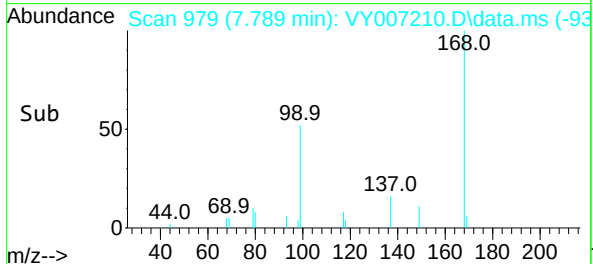
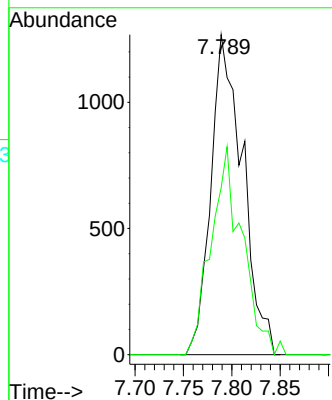
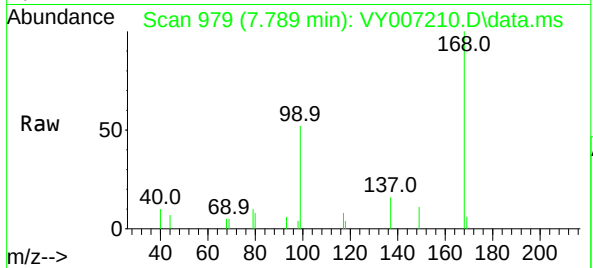




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY007210.D
Acq: 18 Jan 2022 16:10

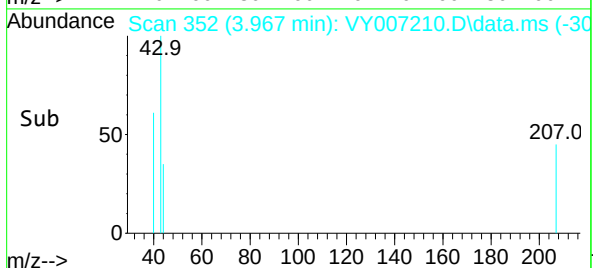
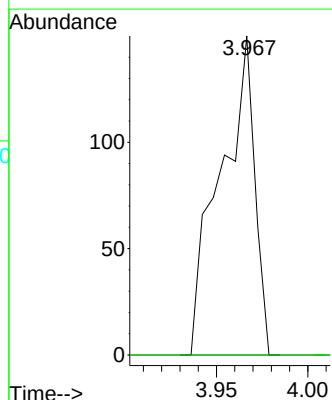
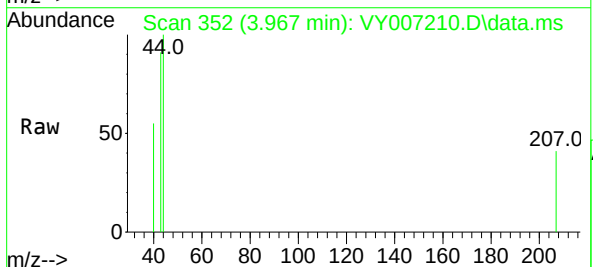
Instrument :
MSVOA_Y
ClientSampleId :

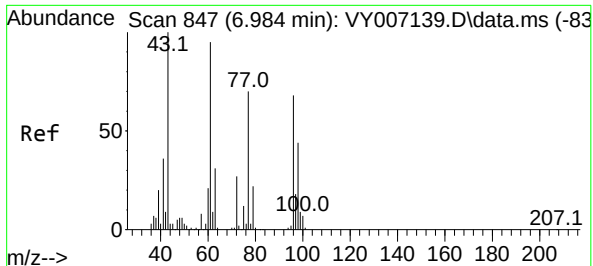
Tgt Ion:168 Resp: 2889
Ion Ratio Lower Upper
168 100
99 52.1 49.1 73.7



#16
Acetone
Concen: 21.305 ug/l
RT: 3.967 min Scan# 352
Delta R.T. 0.019 min
Lab File: VY007210.D
Acq: 18 Jan 2022 16:10

Tgt Ion: 43 Resp: 196
Ion Ratio Lower Upper
43 100
58 0.0 23.8 35.6#





#25

2-Butanone

Concen: 1.934 ug/l

RT: 7.009 min Scan# 847

Delta R.T. 0.025 min

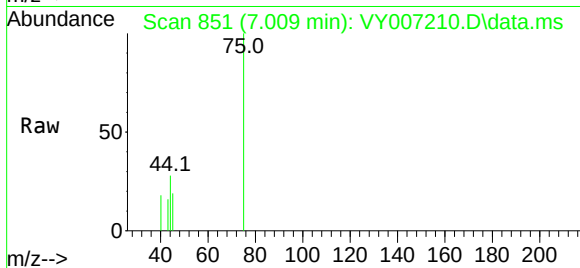
Lab File: VY007210.D

Acq: 18 Jan 2022 16:10

Instrument :

MSVOA_Y

ClientSampleId :

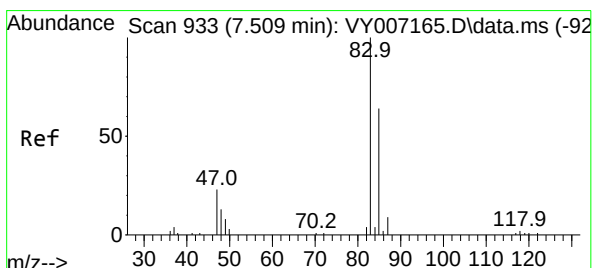
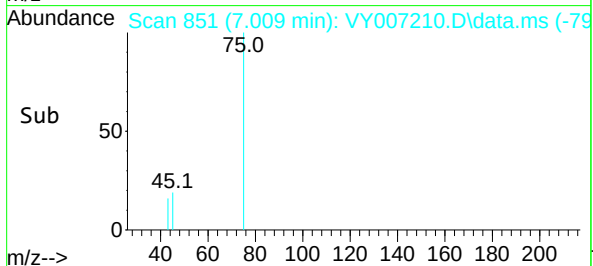
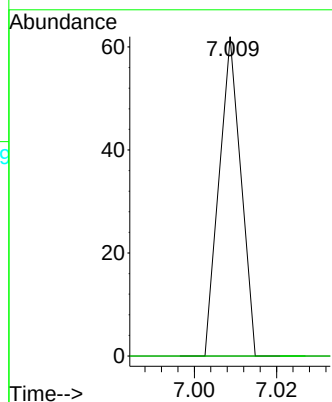


Tgt Ion: 43 Resp: 23

Ion Ratio Lower Upper

43 100

72 0.0 21.9 32.9#



#30

Chloroform

Concen: 1.401 ug/l

RT: 7.509 min Scan# 933

Delta R.T. 0.000 min

Lab File: VY007210.D

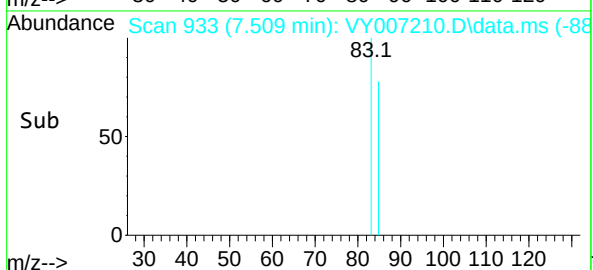
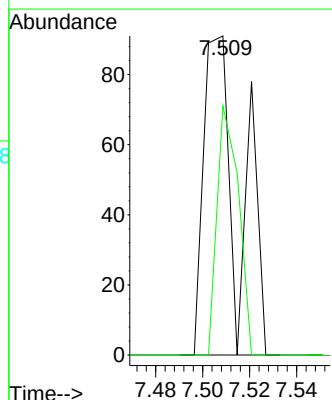
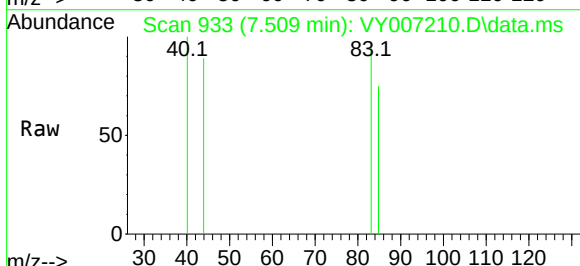
Acq: 18 Jan 2022 16:10

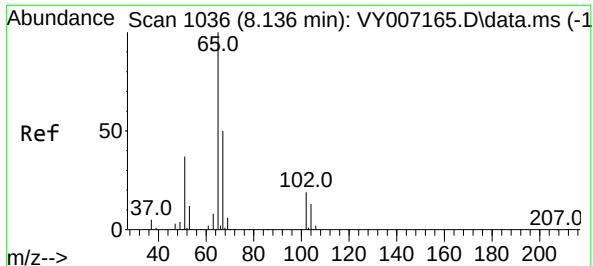
Tgt Ion: 83 Resp: 94

Ion Ratio Lower Upper

83 100

85 78.0 50.9 76.3#





#33

1,2-Dichloroethane-d4

Concen: 79.242 ug/l

RT: 8.149 min Scan# 110

Delta R.T. 0.007 min

Lab File: VY007210.D

Acq: 18 Jan 2022 16:10

Instrument :

MSVOA_Y

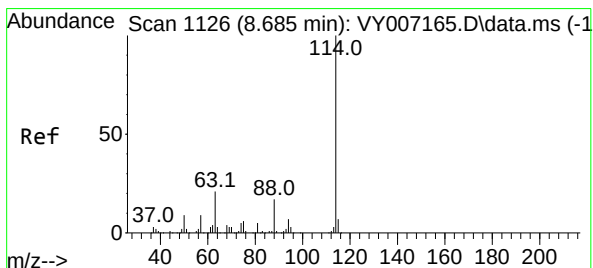
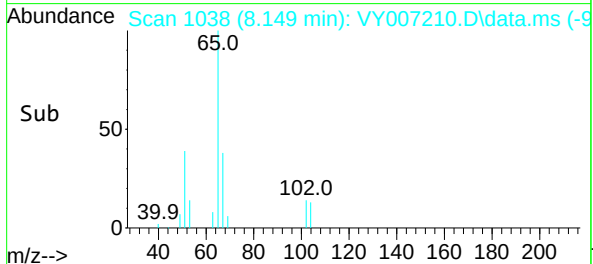
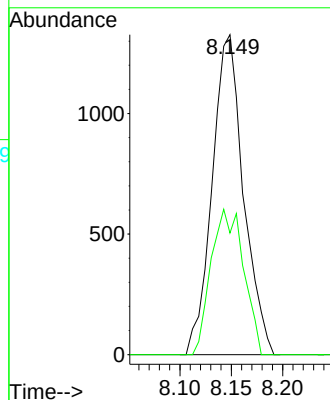
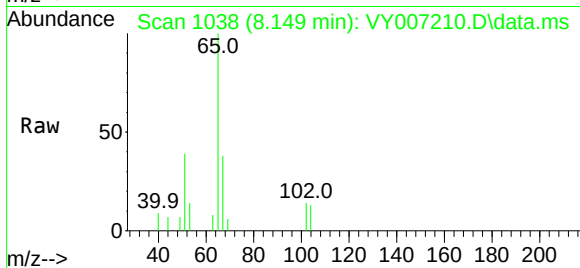
ClientSampleId :

Tgt Ion: 65 Resp: 2809

Ion Ratio Lower Upper

65 100

67 47.3 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.007 min

Lab File: VY007210.D

Acq: 18 Jan 2022 16:10

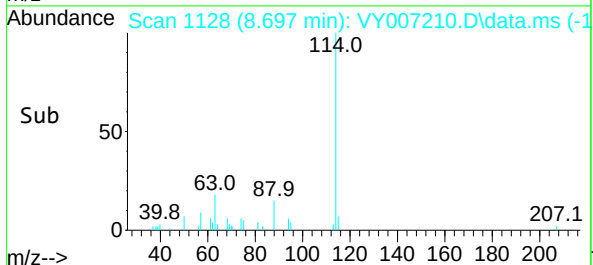
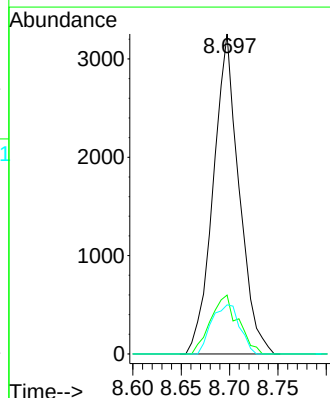
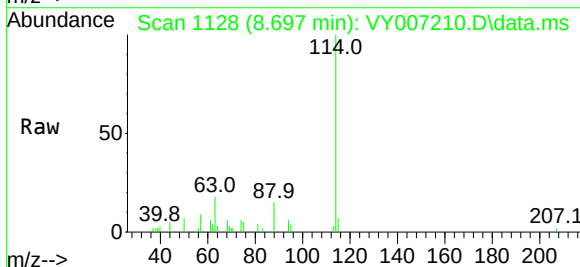
Tgt Ion: 114 Resp: 6047

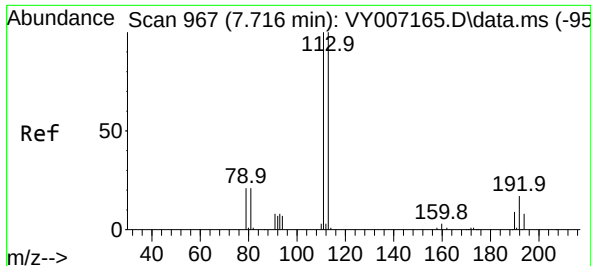
Ion Ratio Lower Upper

114 100

63 18.4 0.0 39.2

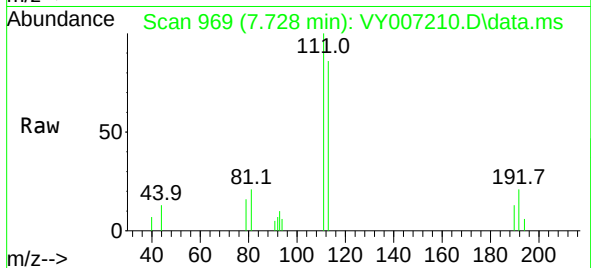
88 15.3 0.0 31.0



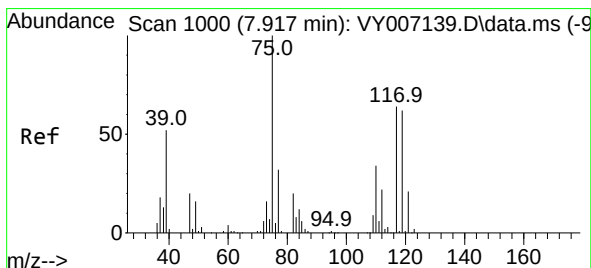
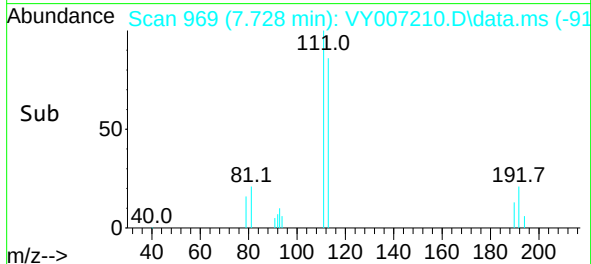
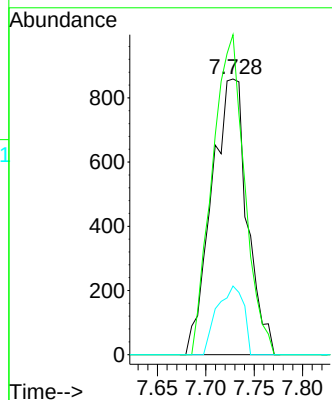


#35
Dibromofluoromethane
Concen: 53.633 ug/l
RT: 7.728 min Scan# 90
Delta R.T. 0.013 min
Lab File: VY007210.D
Acq: 18 Jan 2022 16:10

Instrument :
MSVOA_Y
ClientSampleId :

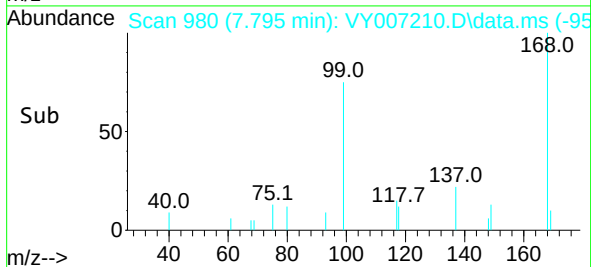
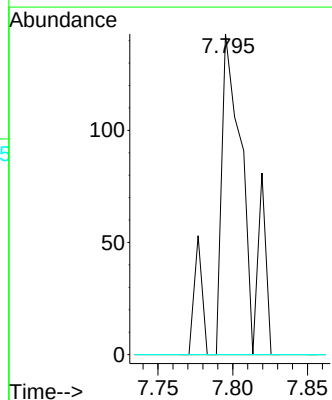
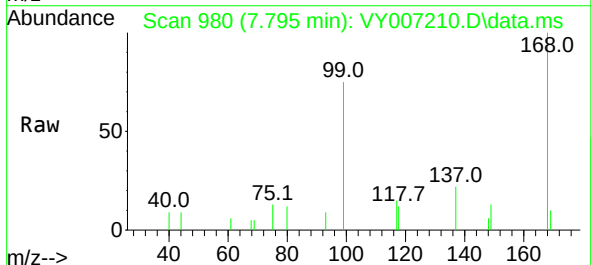


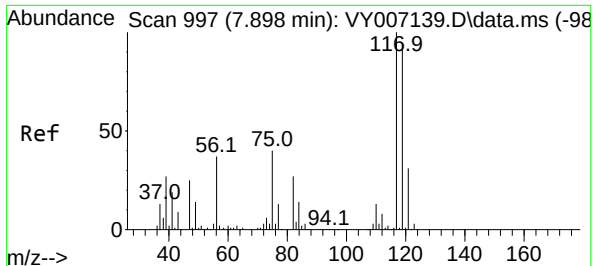
Tgt Ion:113 Resp: 2193
Ion Ratio Lower Upper
113 100
111 105.8 82.2 123.4
192 18.7 14.2 21.4



#36
1,1-Dichloropropene
Concen: 2.649 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.121 min
Lab File: VY007210.D
Acq: 18 Jan 2022 16:10

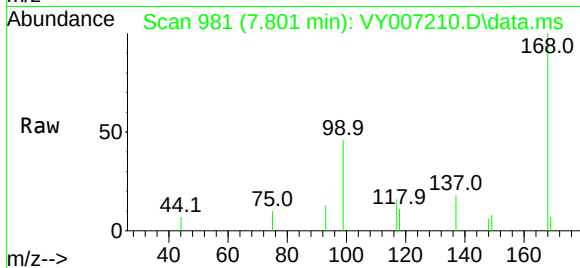
Tgt Ion: 75 Resp: 173
Ion Ratio Lower Upper
75 100
110 0.0 17.3 51.9#
77 0.0 24.7 37.1#



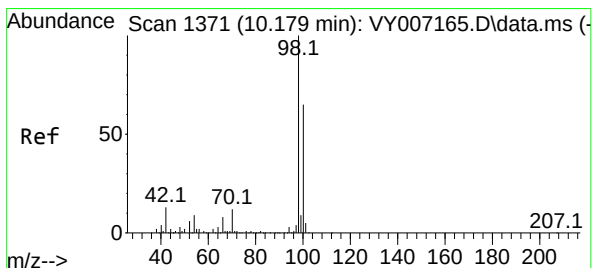
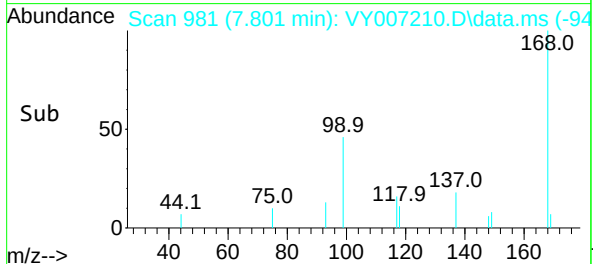
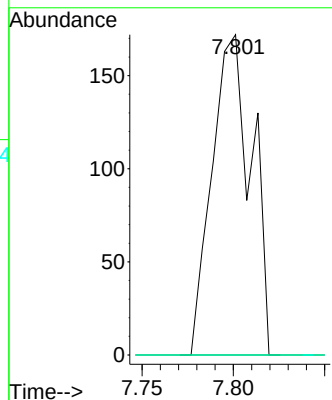


#38
Carbon Tetrachloride
Concen: 3.771 ug/l
RT: 7.801 min Scan# 91
Delta R.T. -0.097 min
Lab File: VY007210.D
Acq: 18 Jan 2022 16:10

Instrument :
MSVOA_Y
ClientSampleId :

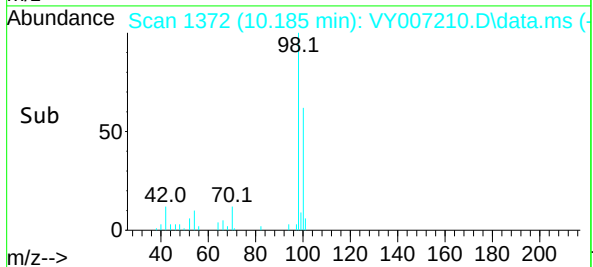
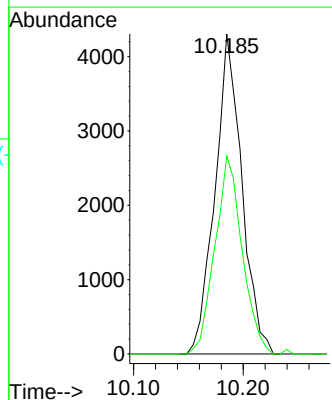
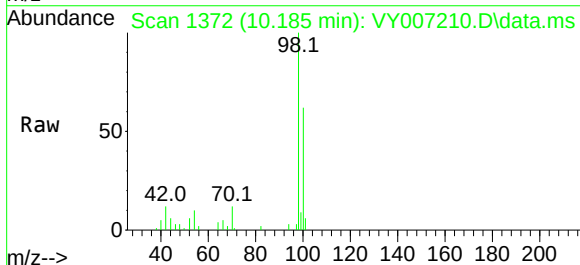


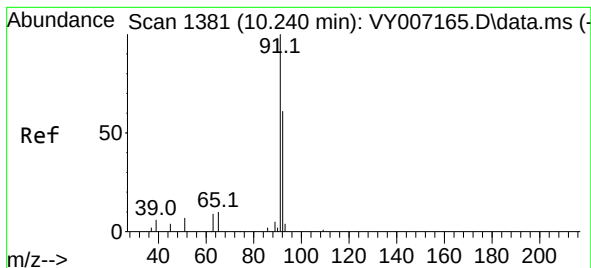
Tgt Ion:117 Resp: 259
Ion Ratio Lower Upper
117 100
119 0.0 77.2 115.8#
121 0.0 24.2 36.2#



#50
Toluene-d8
Concen: 49.048 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.007 min
Lab File: VY007210.D
Acq: 18 Jan 2022 16:10

Tgt Ion: 98 Resp: 7328
Ion Ratio Lower Upper
98 100
100 62.8 52.2 78.2





#52

Toluene

Concen: 1.186 ug/l

RT: 10.258 min Scan# 1

Delta R.T. 0.013 min

Lab File: VY007210.D

Acq: 18 Jan 2022 16:10

Instrument :

MSVOA_Y

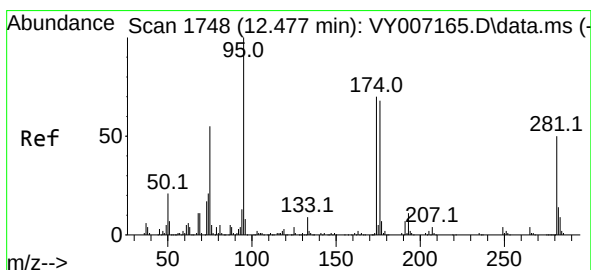
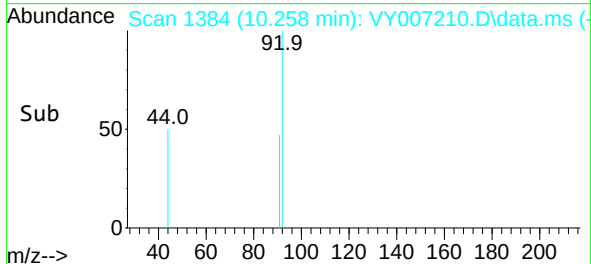
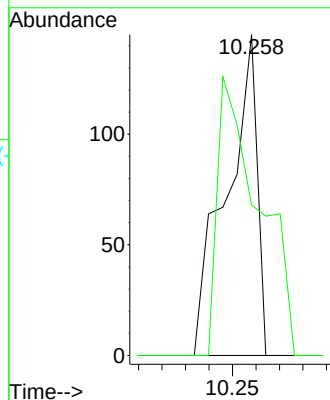
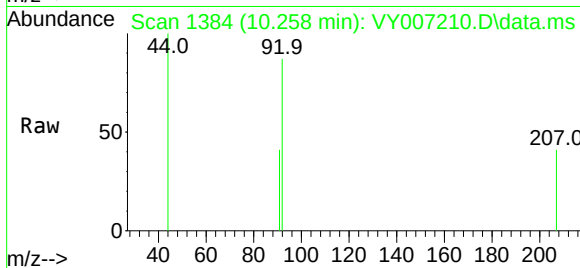
ClientSampleId :

Tgt Ion: 92 Resp: 131

Ion Ratio Lower Upper

92 100

91 118.3 138.6 207.8#



#62

4-Bromofluorobenzene

Concen: 49.072 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY007210.D

Acq: 18 Jan 2022 16:10

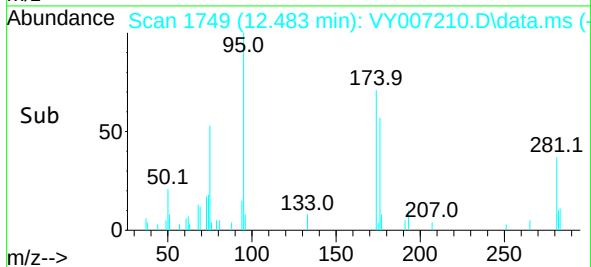
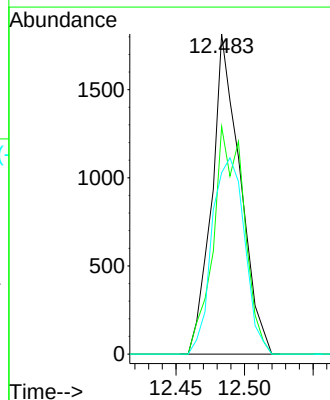
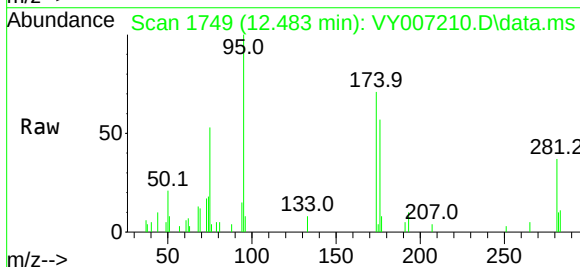
Tgt Ion: 95 Resp: 2608

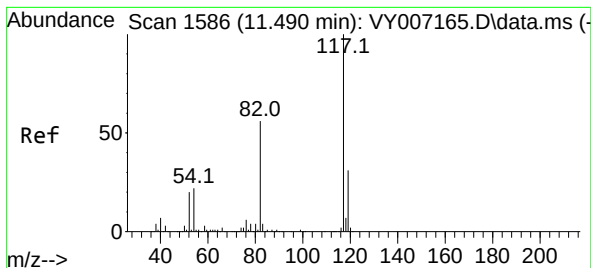
Ion Ratio Lower Upper

95 100

174 77.1 0.0 148.4

176 70.8 0.0 146.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.496 min Scan# 11

Delta R.T. 0.007 min

Lab File: VY007210.D

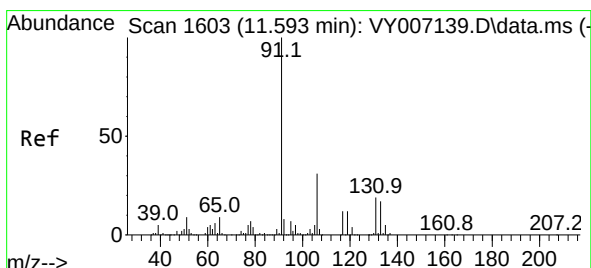
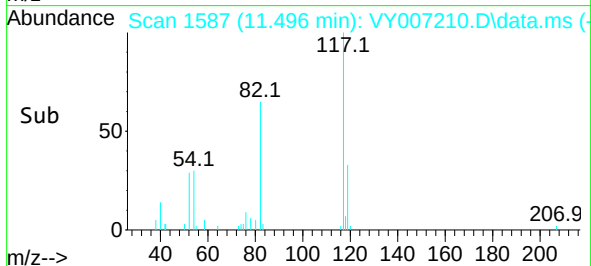
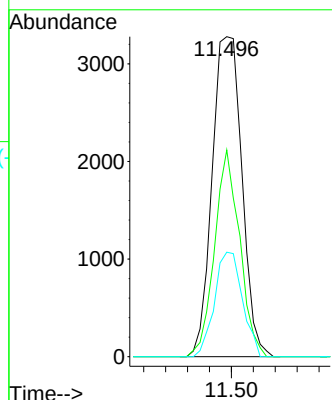
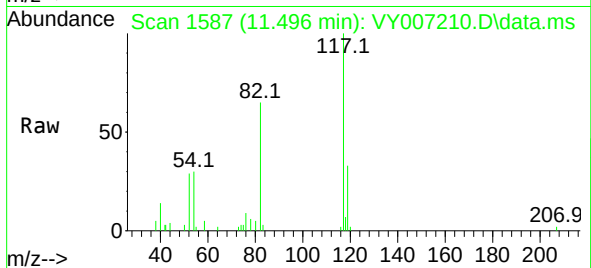
Acq: 18 Jan 2022 16:10

Instrument :

MSVOA_Y

ClientSampleId :

Tgt Ion:117	Resp:	6193
Ion	Ratio	Lower Upper
117	100	
82	64.6	45.4 68.0
119	32.6	26.4 39.6



#67

Ethyl Benzene

Concen: 1.764 ug/l

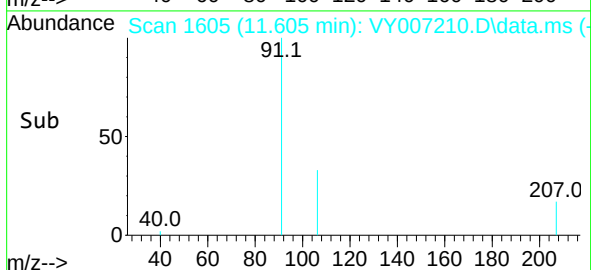
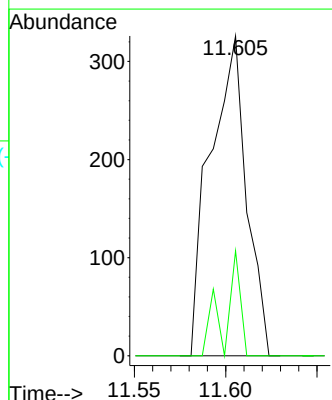
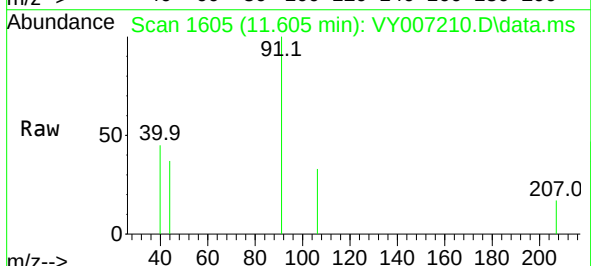
RT: 11.605 min Scan# 1605

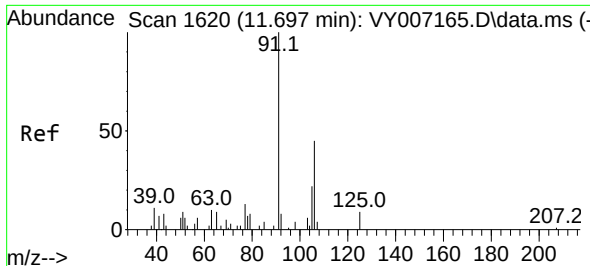
Delta R.T. 0.013 min

Lab File: VY007210.D

Acq: 18 Jan 2022 16:10

Tgt Ion: 91	Resp:	449
Ion	Ratio	Lower Upper
91	100	
106	32.8	23.9 35.9

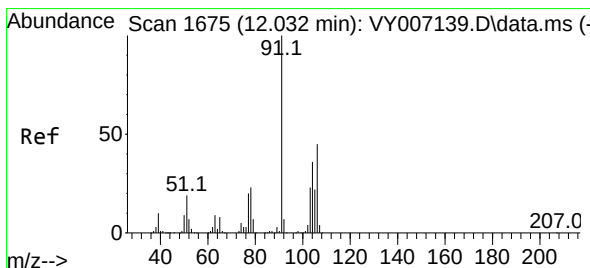
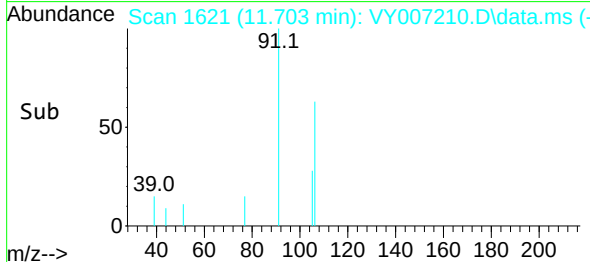
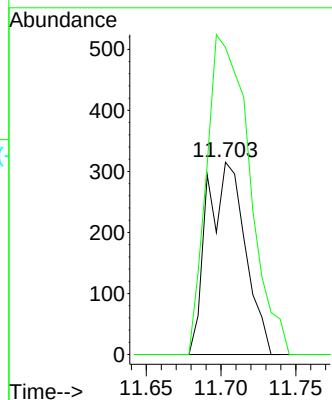
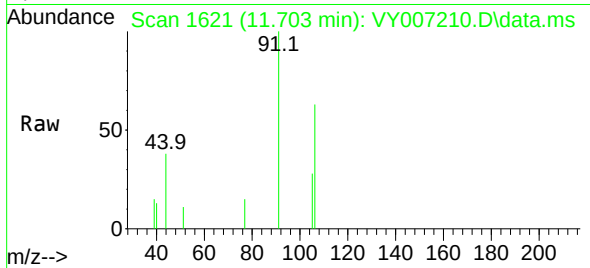




#68
m/p-Xylenes
Concen: 5.879 ug/l
RT: 11.703 min Scan# 11
Delta R.T. 0.001 min
Lab File: VY007210.D
Acq: 18 Jan 2022 16:10

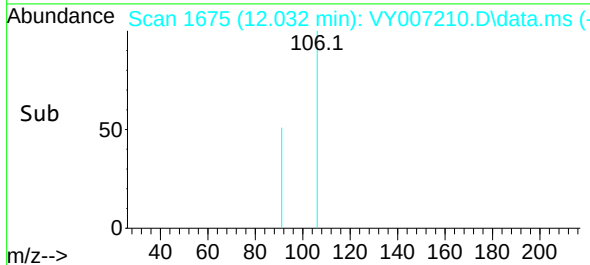
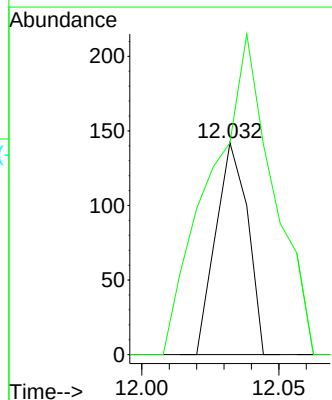
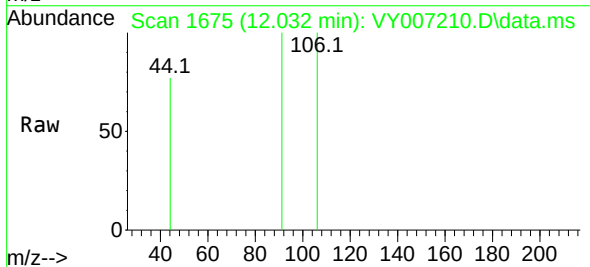
Instrument :
MSVOA_Y
ClientSampleId :

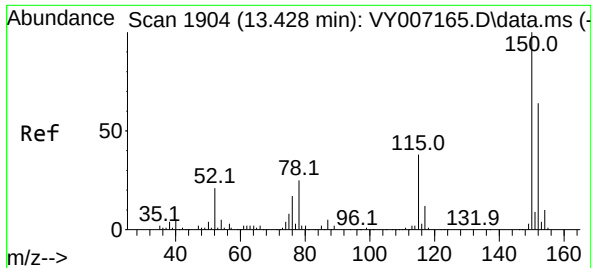
Tgt Ion:106 Resp: 556
Ion Ratio Lower Upper
106 100
91 187.4 167.1 250.7



#69
o-Xylene
Concen: 1.291 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VY007210.D
Acq: 18 Jan 2022 16:10

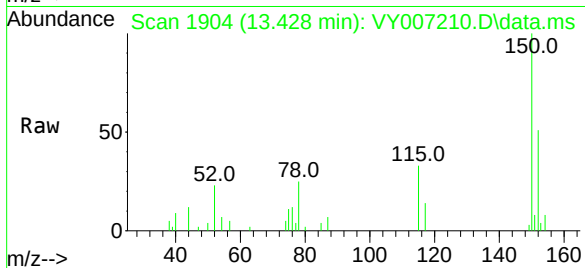
Tgt Ion:106 Resp: 115
Ion Ratio Lower Upper
106 100
91 296.5 109.9 329.6



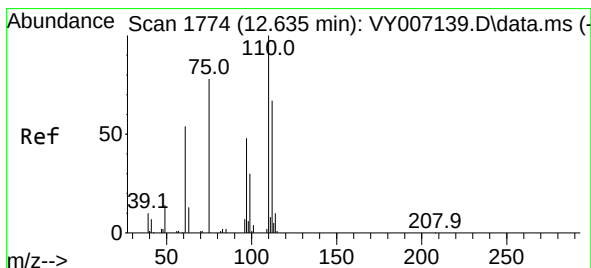
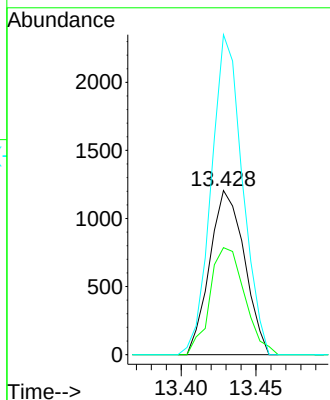
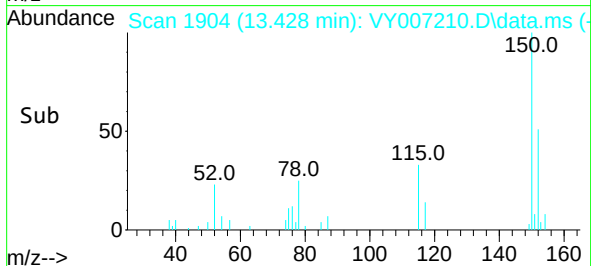


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.001 min
 Lab File: VY007210.D
 Acq: 18 Jan 2022 16:10

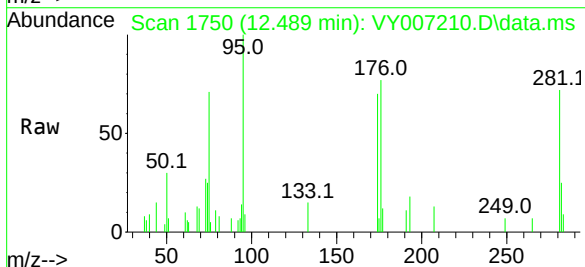
Instrument :
 MSVOA_Y
 ClientSampleId :



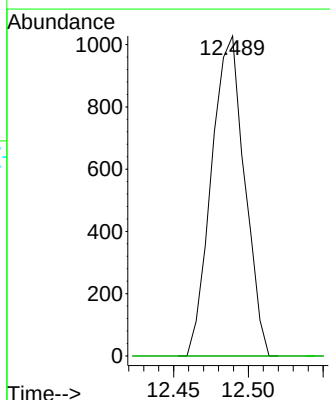
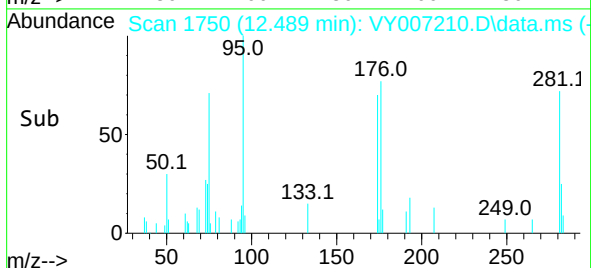
Tgt Ion:152 Resp: 1939
 Ion Ratio Lower Upper
 152 100
 115 65.4 31.4 94.0
 150 175.8 0.0 348.4

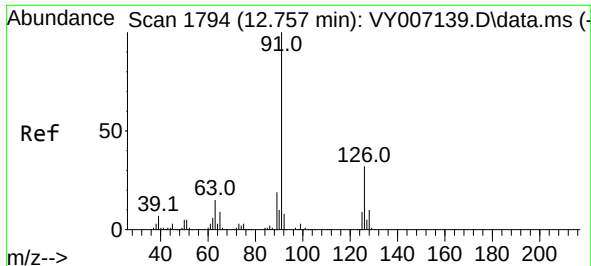


#76
 1,2,3-Trichloropropane
 Concen: 71.598 ug/l
 RT: 12.489 min Scan# 1750
 Delta R.T. -0.146 min
 Lab File: VY007210.D
 Acq: 18 Jan 2022 16:10



Tgt Ion: 75 Resp: 1583
 Ion Ratio Lower Upper
 75 100
 77 0.0 0.0 0.0

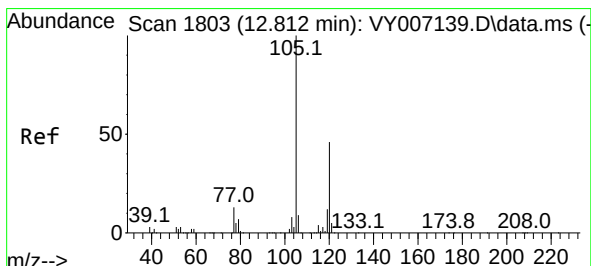
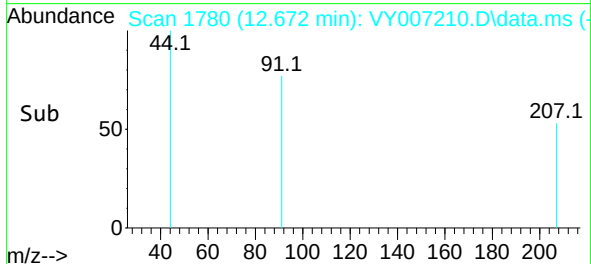
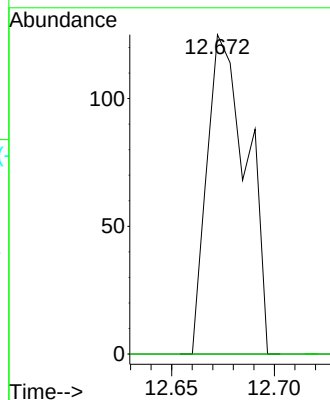
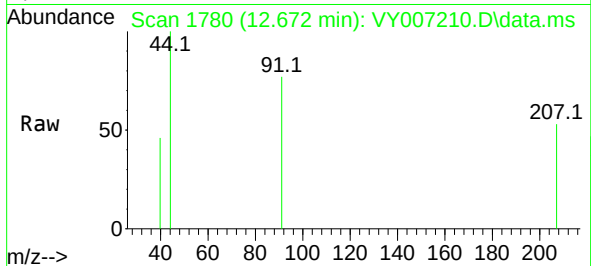




#79
2-Chlorotoluene
Concen: 1.455 ug/l
RT: 12.672 min Scan# 11
Delta R.T. -0.085 min
Lab File: VY007210.D
Acq: 18 Jan 2022 16:10

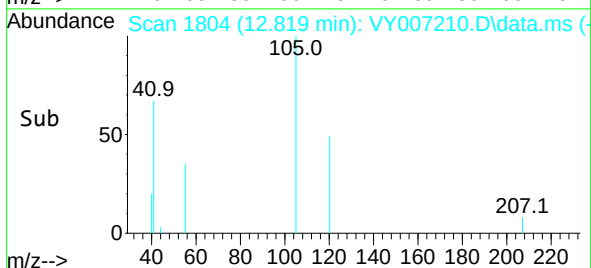
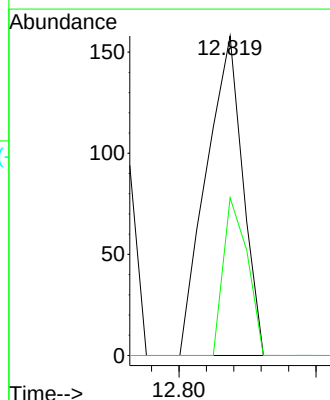
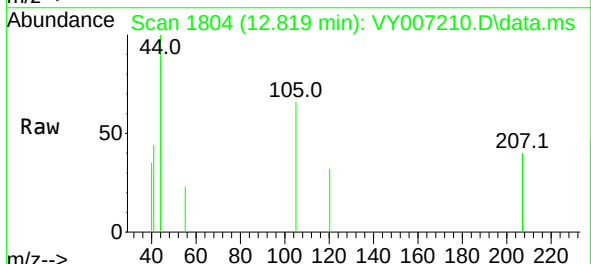
Instrument :
MSVOA_Y
ClientSampleId :

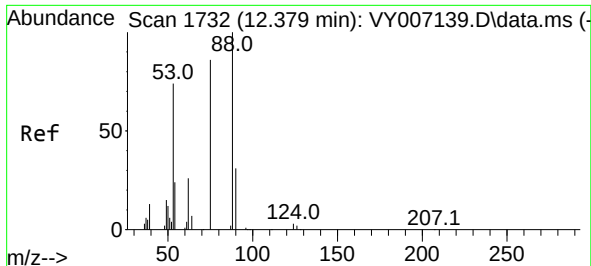
Tgt Ion: 91 Resp: 168
Ion Ratio Lower Upper
91 100
126 0.0 16.4 49.1#



#80
1,3,5-Trimethylbenzene
Concen: 1.062 ug/l
RT: 12.819 min Scan# 1804
Delta R.T. 0.007 min
Lab File: VY007210.D
Acq: 18 Jan 2022 16:10

Tgt Ion: 105 Resp: 146
Ion Ratio Lower Upper
105 100
120 32.9 23.7 71.1

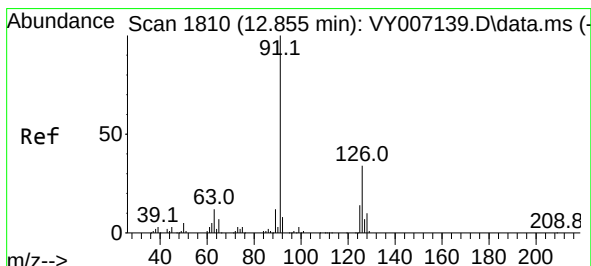
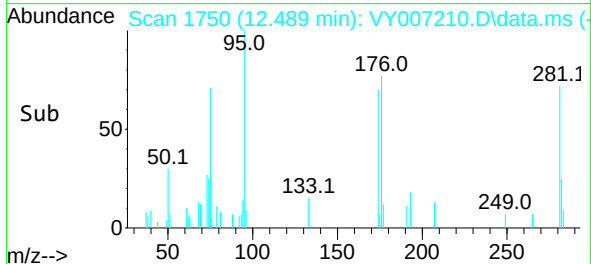
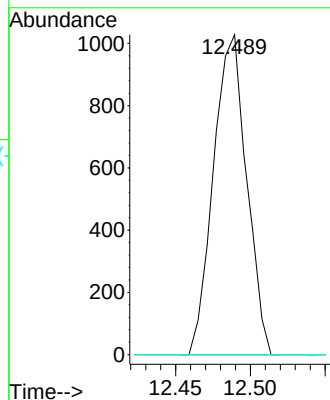
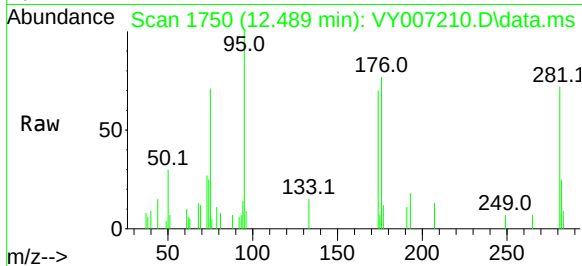




#81
trans-1,4-Dichloro-2-butene
Concen: 131.075 ug/l
RT: 12.489 min Scan# 11
Delta R.T. 0.110 min
Lab File: VY007210.D
Acq: 18 Jan 2022 16:10

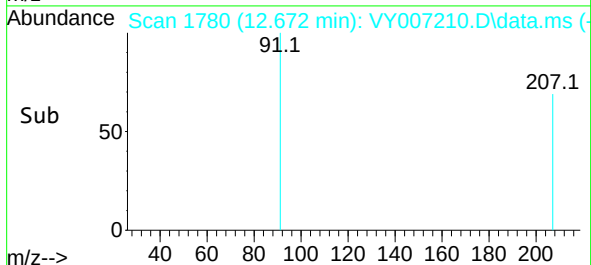
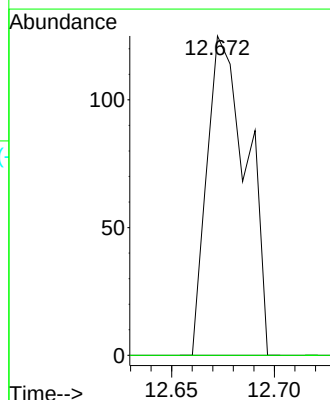
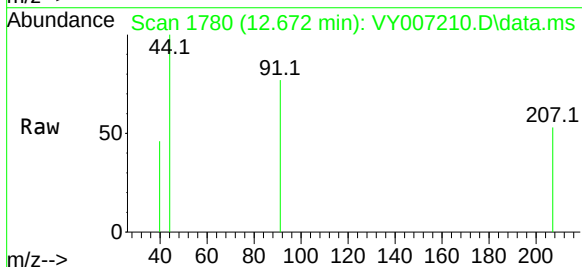
Instrument :
MSVOA_Y
ClientSampleId :

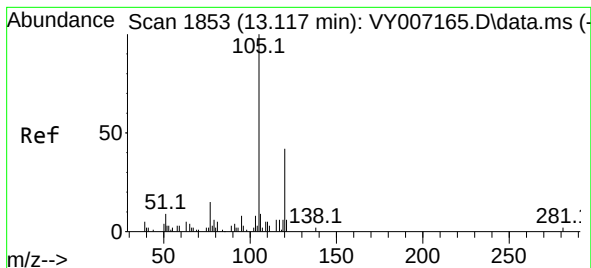
Tgt Ion: 75 Resp: 1583
Ion Ratio Lower Upper
75 100
53 0.0 73.9 110.9#
89 0.0 0.0 0.0



#82
4-Chlorotoluene
Concen: 1.395 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. -0.182 min
Lab File: VY007210.D
Acq: 18 Jan 2022 16:10

Tgt Ion: 91 Resp: 168
Ion Ratio Lower Upper
91 100
126 0.0 16.3 48.9#





#84

1,2,4-Trimethylbenzene

Concen: 3.155 ug/l

RT: 13.130 min Scan# 1855

Delta R.T. 0.007 min

Lab File: VY007210.D

Acq: 18 Jan 2022 16:10

Instrument :

MSVOA_Y

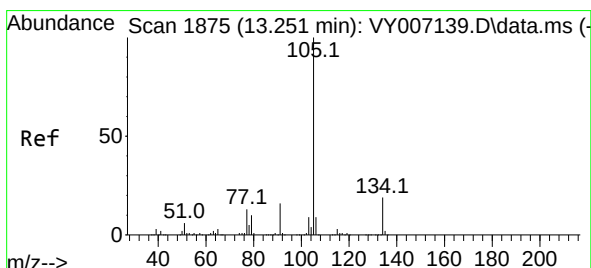
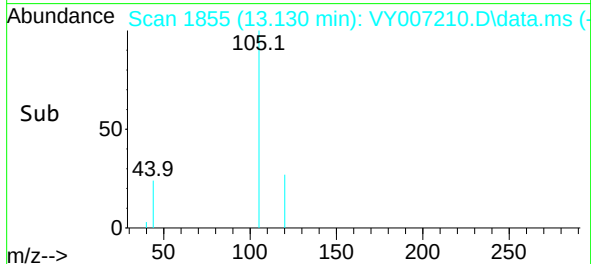
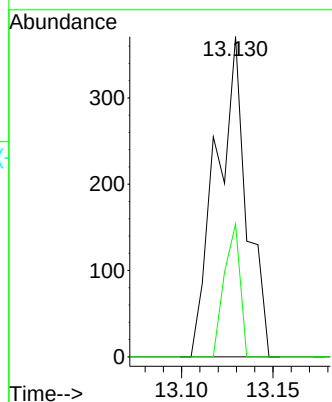
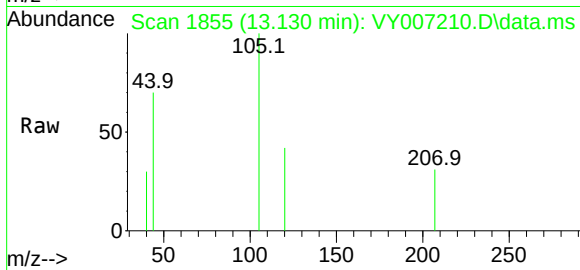
ClientSampleId :

Tgt Ion:105 Resp: 430

Ion Ratio Lower Upper

105 100

120 21.4 21.6 64.6#



#85

sec-Butylbenzene

Concen: 2.419 ug/l

RT: 13.130 min Scan# 1855

Delta R.T. -0.121 min

Lab File: VY007210.D

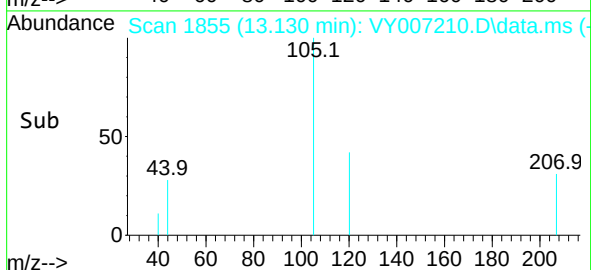
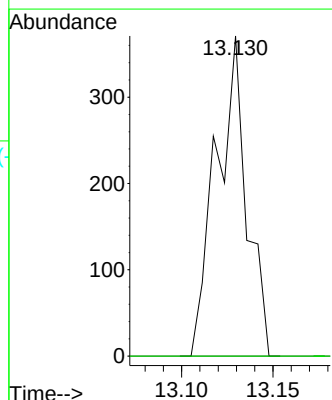
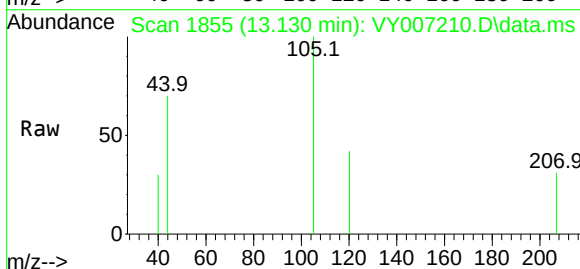
Acq: 18 Jan 2022 16:10

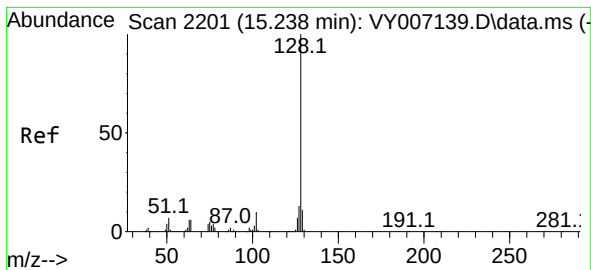
Tgt Ion:105 Resp: 430

Ion Ratio Lower Upper

105 100

134 0.0 9.9 29.7#





#95

Naphthalene

Concen: 1.427 ug/l

RT: 15.251 min Scan# 21

Delta R.T. 0.013 min

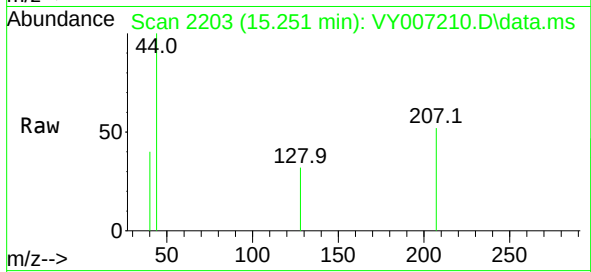
Lab File: VY007210.D

Acq: 18 Jan 2022 16:10

Instrument :

MSVOA_Y

ClientSampleId :



Tgt Ion:128 Resp: 117

Ion Ratio Lower Upper

128 100

127 0.0 10.3 15.5#

129 0.0 8.9 13.3#

