

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY021822\
 Data File : VY007550.D
 Acq On : 18 Feb 2022 17:14
 Operator : SY/MD
 Sample : N1600-03
 Misc : 5.20g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 C0AA2

Quant Time: Feb 19 04:34:52 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y021422S.M
 Quant Title : SW846 8260
 QLast Update : Tue Feb 15 09:34:50 2022
 Response via : Initial Calibration

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

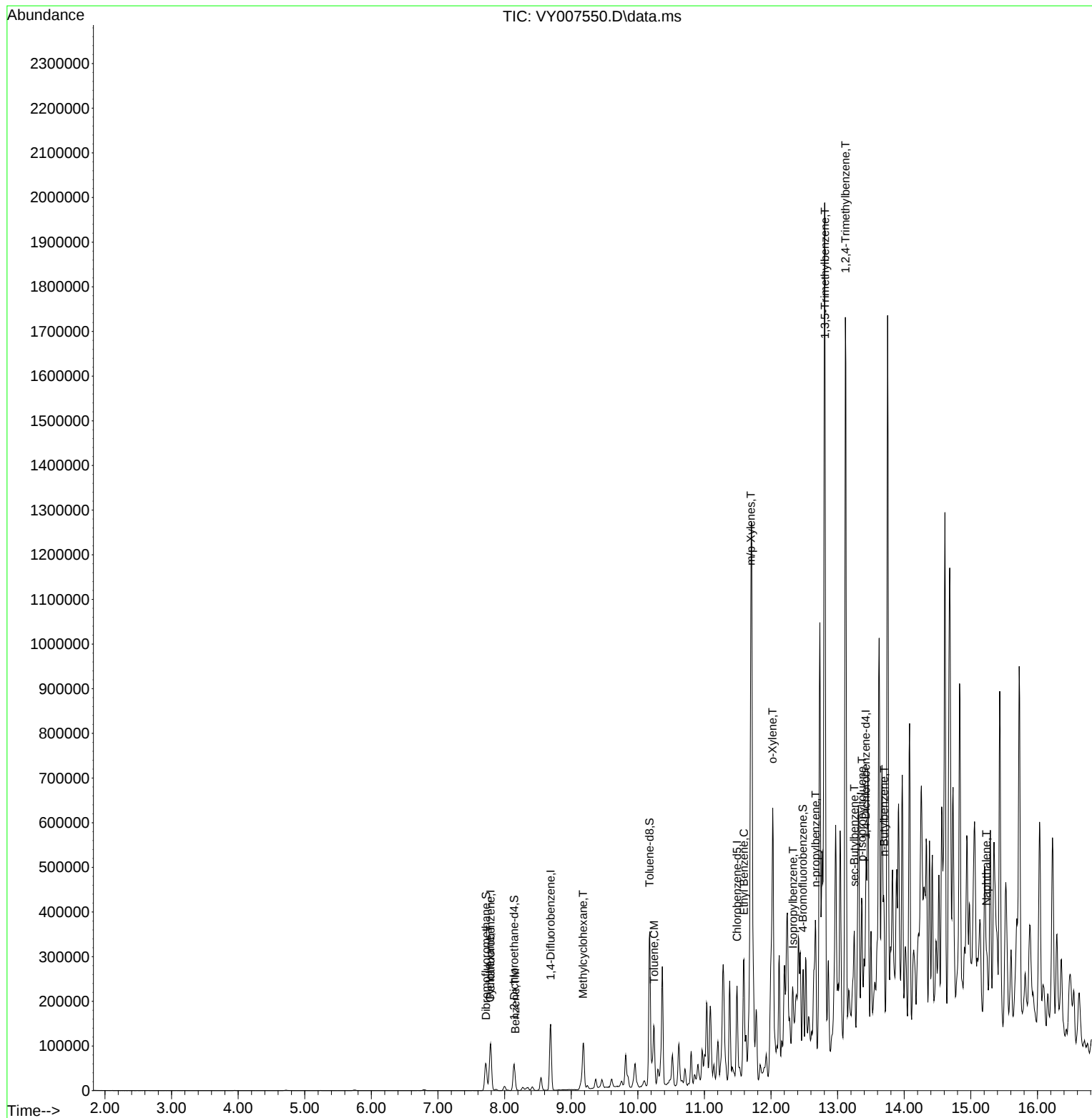
Internal Standards						
1) Pentafluorobenzene	7.789	168	72359	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	126914	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	114202	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	46360	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	43738	54.749	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 109.500%	
35) Dibromofluoromethane	7.722	113	42875	53.570	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.140%	
50) Toluene-d8	10.179	98	159145	52.353	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 104.700%	
62) 4-Bromofluorobenzene	12.477	95	52785	51.211	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 102.420%	
Target Compounds						
					Qvalue	
31) Cyclohexane	7.783	56	6956	4.924	ug/l #	67
39) Methylcyclohexane	9.179	83	47539	28.238	ug/l	86
40) Benzene	8.161	78	5109	1.433	ug/l #	83
52) Toluene	10.246	92	55195	24.144	ug/l	97
67) Ethyl Benzene	11.593	91	171169	36.564	ug/l	99
68) m/p-Xylenes	11.697	106	217702	122.879	ug/l	99
69) o-Xylene	12.026	106	124803	74.447	ug/l	98
73) Isopropylbenzene	12.331	105	67650	16.471	ug/l	100
78) n-propylbenzene	12.672	91	206955	41.875	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	235755	69.298	ug/l	97
84) 1,2,4-Trimethylbenzene	13.117	105	826504	250.559	ug/l	99
85) sec-Butylbenzene	13.251	105	96368	21.986	ug/l	86
86) p-Isopropyltoluene	13.367	119	55975	15.504	ug/l	100
89) n-Butylbenzene	13.696	91	181489	52.862	ug/l #	70
95) Naphthalene	15.233	128	39848	20.203	ug/l #	86

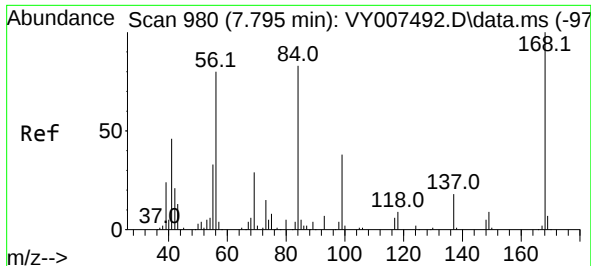
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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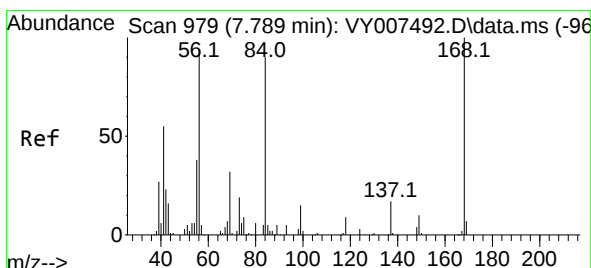
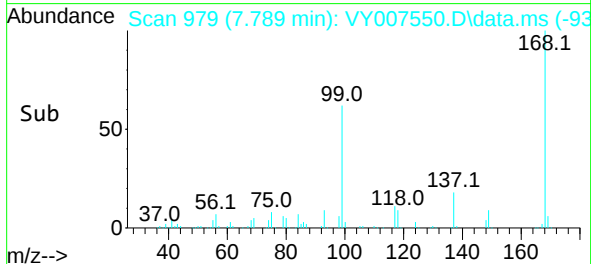
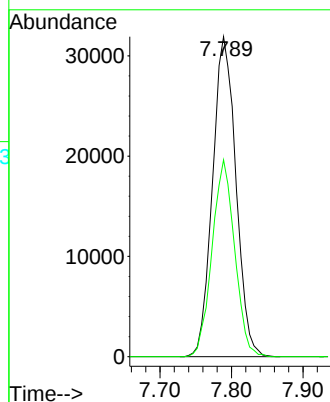
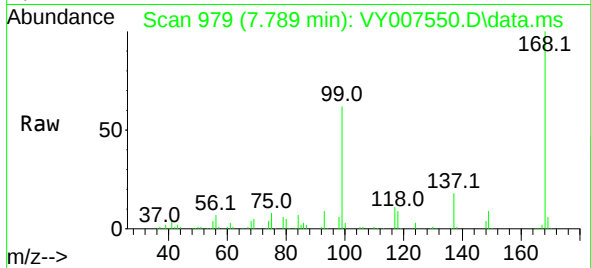




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY007550.D
Acq: 18 Feb 2022 17:14

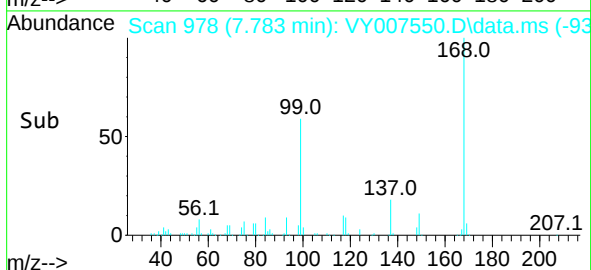
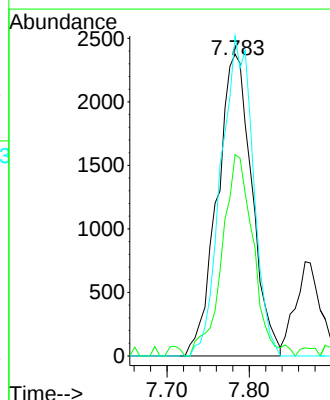
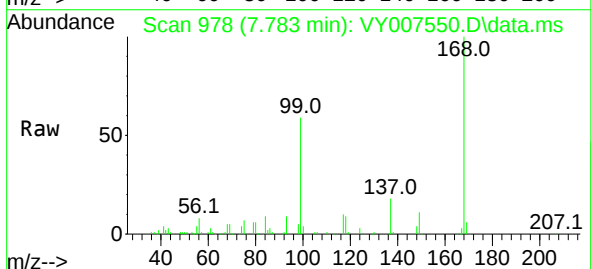
Instrument :
MSVOA_Y
ClientSampleId :
C0AA2

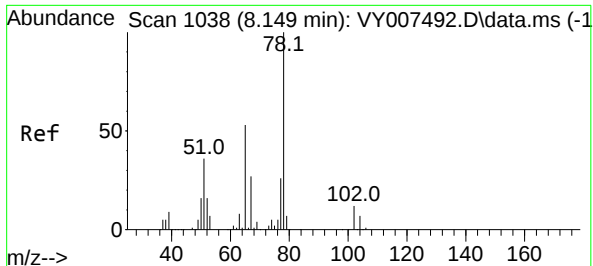
Tgt Ion:168 Resp: 72359
Ion Ratio Lower Upper
168 100
99 61.5 46.9 70.3



#31
Cyclohexane
Concen: 4.924 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.006 min
Lab File: VY007550.D
Acq: 18 Feb 2022 17:14

Tgt Ion: 56 Resp: 6956
Ion Ratio Lower Upper
56 100
69 64.4 26.7 40.1#
84 106.0 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 54.749 ug/l

RT: 8.142 min Scan# 1037

Delta R.T. -0.001 min

Lab File: VY007550.D

Acq: 18 Feb 2022 17:14

Instrument :

MSVOA_Y

ClientSampleId :

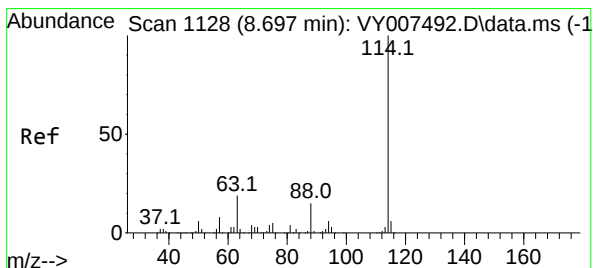
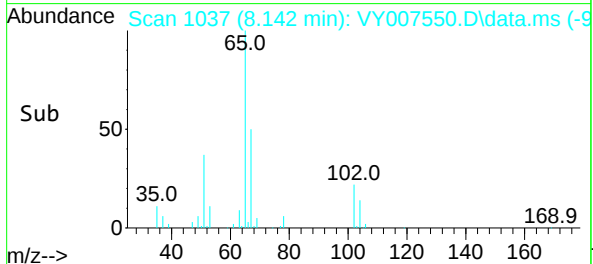
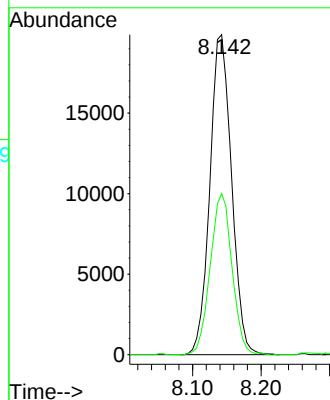
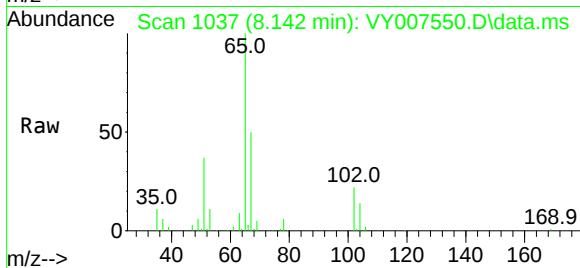
C0AA2

Tgt Ion: 65 Resp: 43738

Ion Ratio Lower Upper

65 100

67 50.6 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: VY007550.D

Acq: 18 Feb 2022 17:14

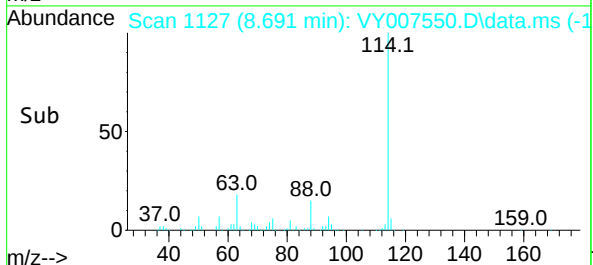
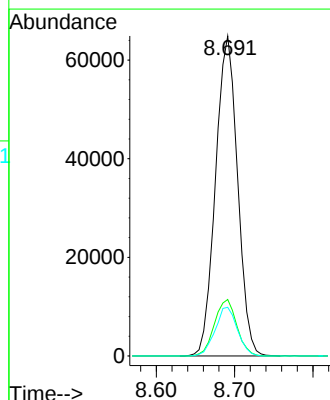
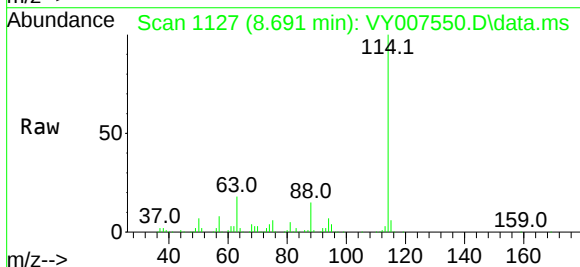
Tgt Ion: 114 Resp: 126914

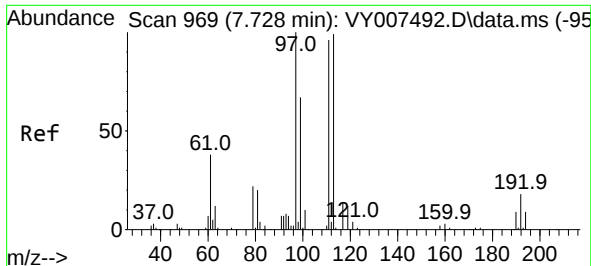
Ion Ratio Lower Upper

114 100

63 17.7 0.0 43.2

88 15.2 0.0 31.8

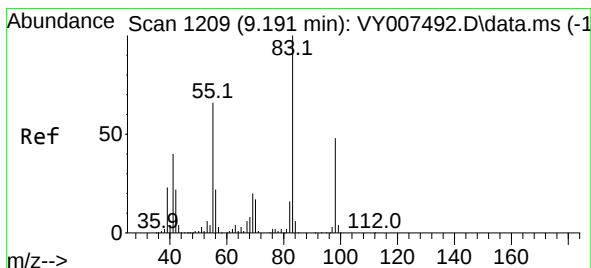
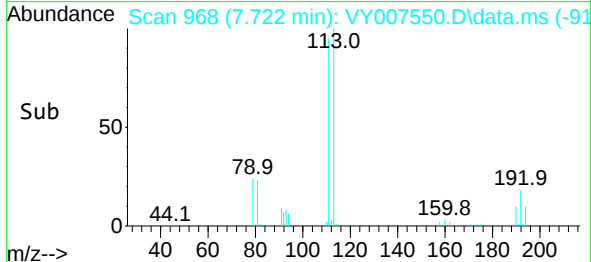
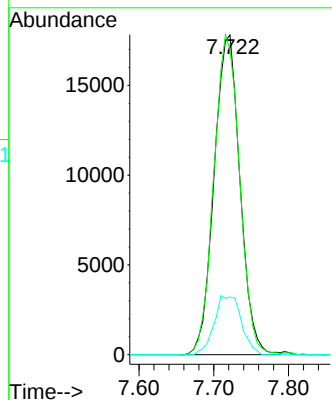
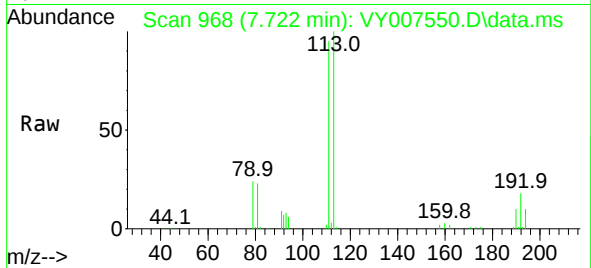




#35
Dibromofluoromethane
Concen: 53.570 ug/l
RT: 7.722 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY007550.D
Acq: 18 Feb 2022 17:14

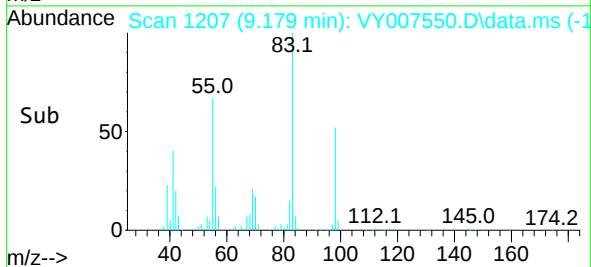
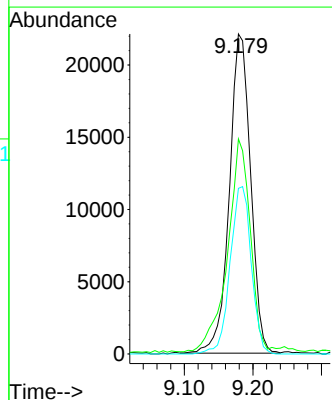
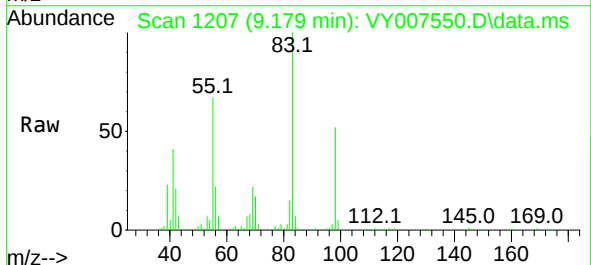
Instrument :
MSVOA_Y
ClientSampleId :
C0AA2

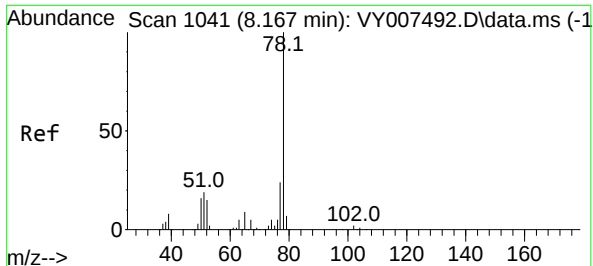
Tgt Ion:113 Resp: 42875
Ion Ratio Lower Upper
113 100
111 99.8 82.6 124.0
192 19.3 17.6 26.4



#39
Methylcyclohexane
Concen: 28.238 ug/l
RT: 9.179 min Scan# 1207
Delta R.T. -0.006 min
Lab File: VY007550.D
Acq: 18 Feb 2022 17:14

Tgt Ion: 83 Resp: 47539
Ion Ratio Lower Upper
83 100
55 66.6 66.5 99.7
98 51.9 37.9 56.9

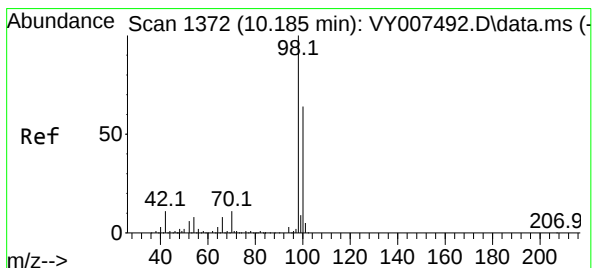
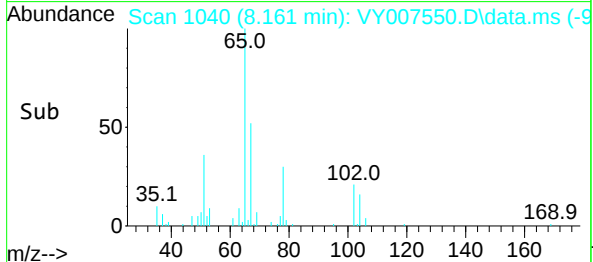
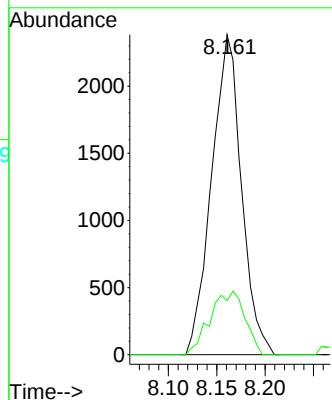
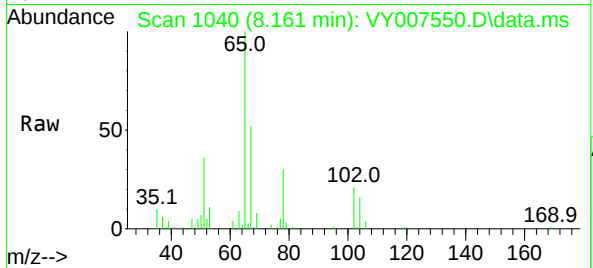




#40
Benzene
Concen: 1.433 ug/l
RT: 8.161 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY007550.D
Acq: 18 Feb 2022 17:14

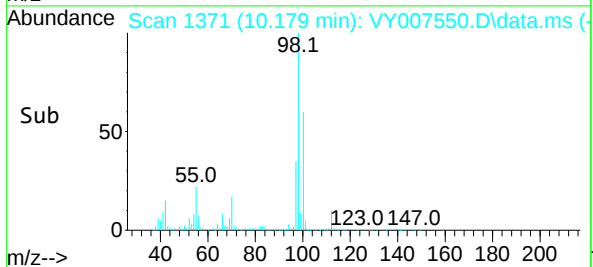
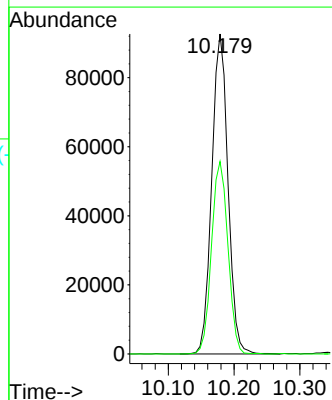
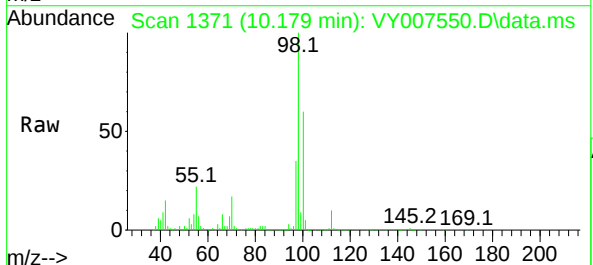
Instrument :
MSVOA_Y
ClientSampleId :
C0AA2

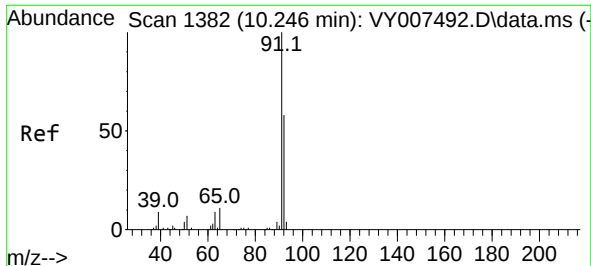
Tgt Ion: 78 Resp: 5109
Ion Ratio Lower Upper
78 100
77 17.0 20.4 30.6#



#50
Toluene-d8
Concen: 52.353 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.006 min
Lab File: VY007550.D
Acq: 18 Feb 2022 17:14

Tgt Ion: 98 Resp: 159145
Ion Ratio Lower Upper
98 100
100 60.8 50.2 75.2

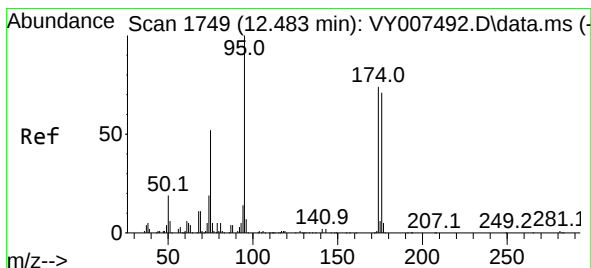
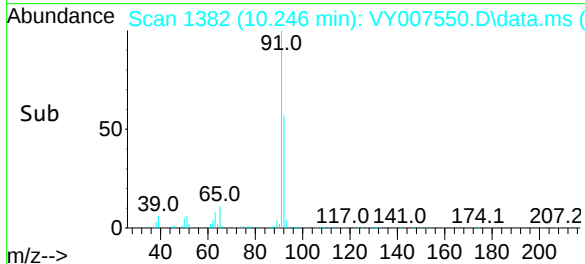
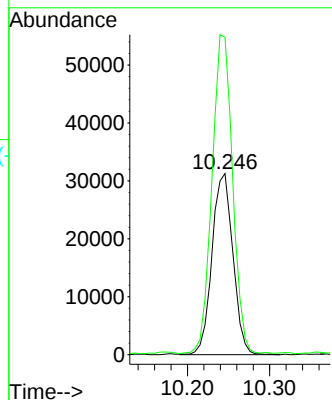
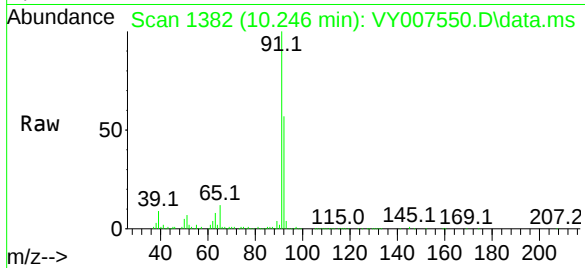




#52
Toluene
Concen: 24.144 ug/l
RT: 10.246 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY007550.D
Acq: 18 Feb 2022 17:14

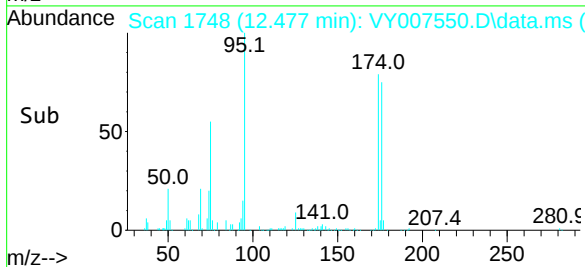
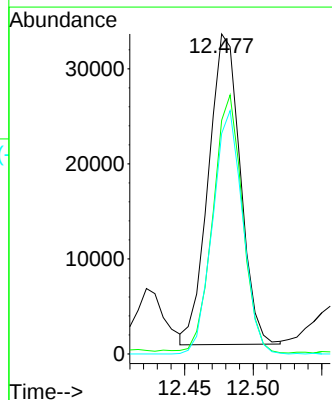
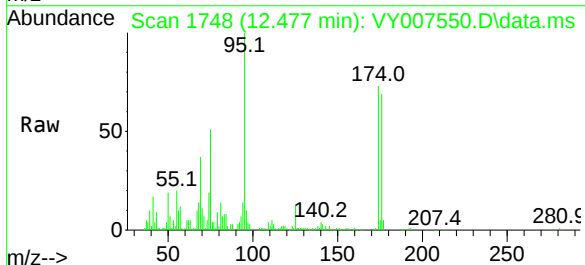
Instrument :
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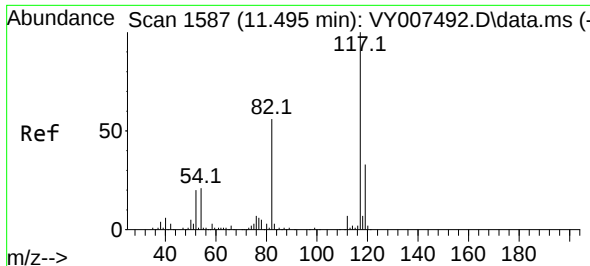
Tgt Ion: 92 Resp: 55195
Ion Ratio Lower Upper
92 100
91 173.3 142.6 213.8



#62
4-Bromofluorobenzene
Concen: 51.211 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY007550.D
Acq: 18 Feb 2022 17:14

Tgt Ion: 95 Resp: 52785
Ion Ratio Lower Upper
95 100
174 76.9 0.0 177.0
176 74.0 0.0 175.8

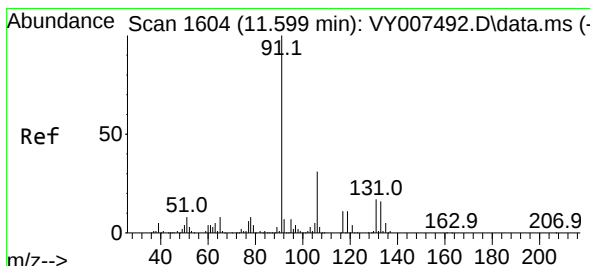
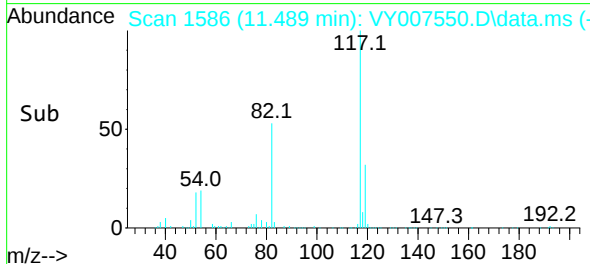
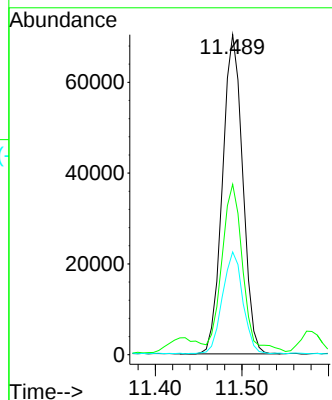
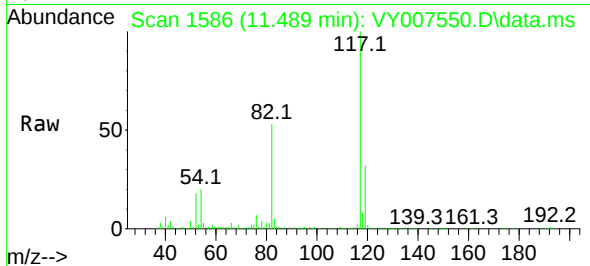




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY007550.D
Acq: 18 Feb 2022 17:14

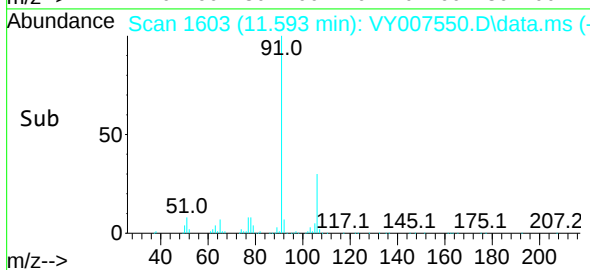
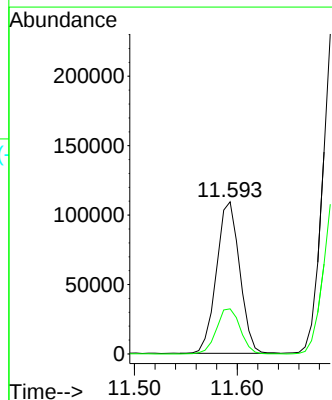
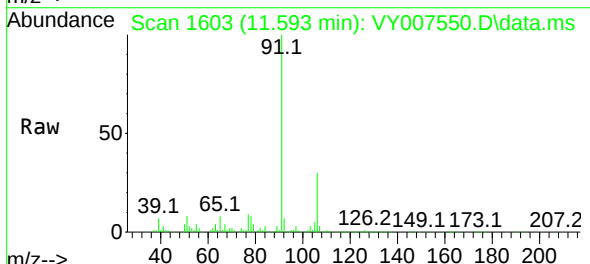
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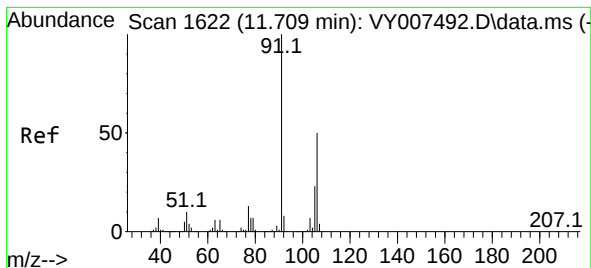
Tgt Ion:117 Resp: 114202
Ion Ratio Lower Upper
117 100
82 51.7 43.0 64.4
119 31.7 25.4 38.0



#67
Ethyl Benzene
Concen: 36.564 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. -0.000 min
Lab File: VY007550.D
Acq: 18 Feb 2022 17:14

Tgt Ion: 91 Resp: 171169
Ion Ratio Lower Upper
91 100
106 29.8 24.5 36.7

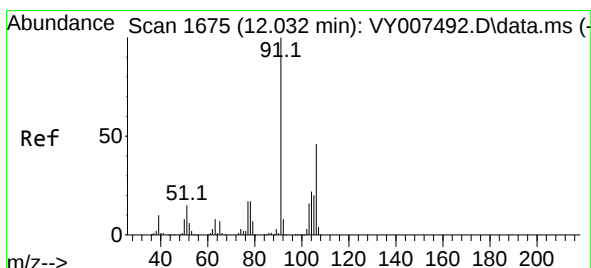
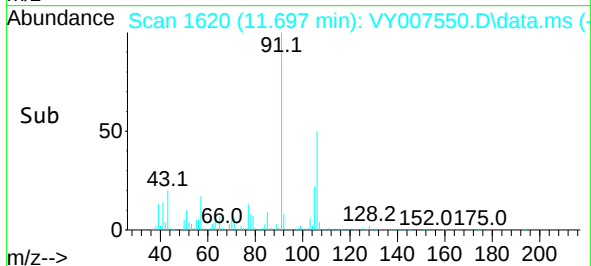
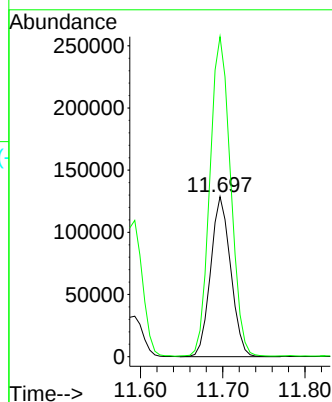
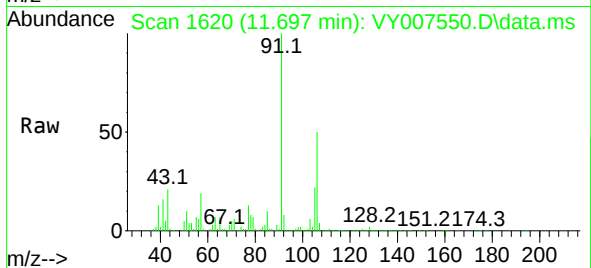




#68
m/p-Xylenes
Concen: 122.879 ug/l
RT: 11.697 min Scan# 11697
Delta R.T. -0.006 min
Lab File: VY007550.D
Acq: 18 Feb 2022 17:14

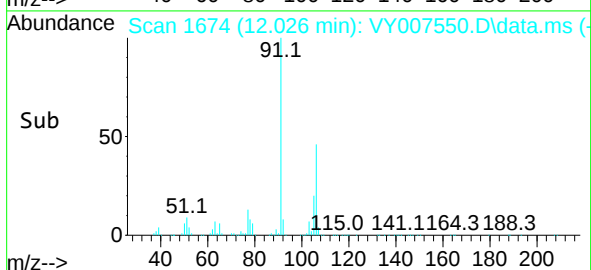
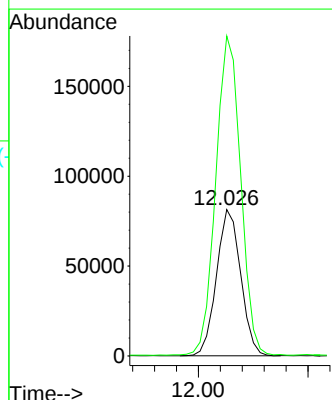
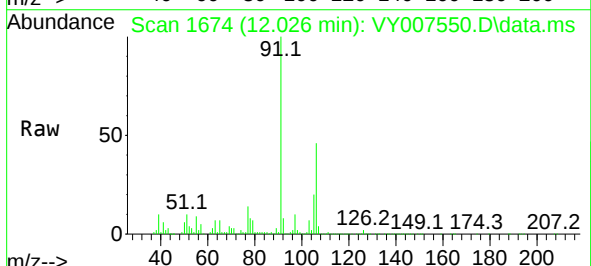
Instrument :
MSVOA_Y
ClientSampleId :
C0AA2

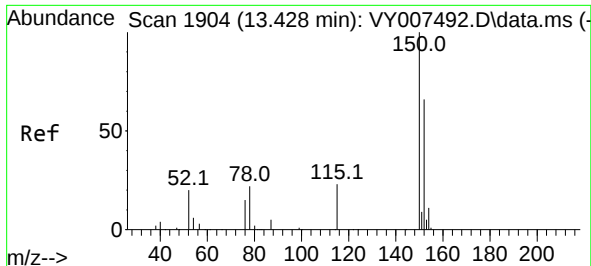
Tgt Ion:106 Resp: 217702
Ion Ratio Lower Upper
106 100
91 206.7 166.6 249.8



#69
o-Xylene
Concen: 74.447 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. -0.006 min
Lab File: VY007550.D
Acq: 18 Feb 2022 17:14

Tgt Ion:106 Resp: 124803
Ion Ratio Lower Upper
106 100
91 224.6 110.3 331.0

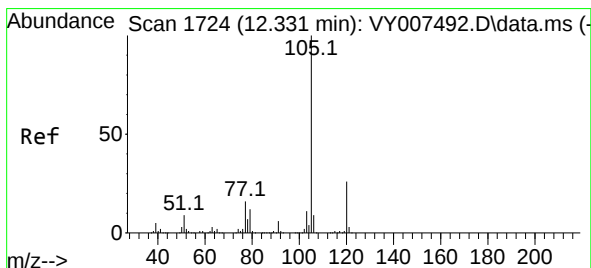
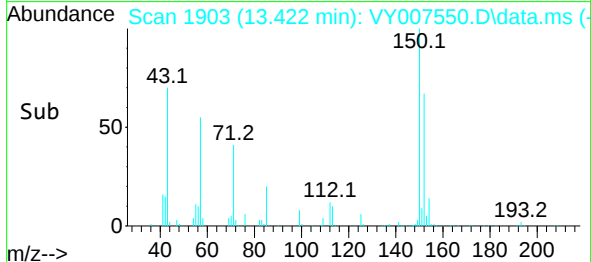
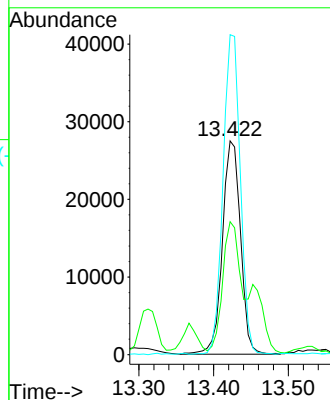
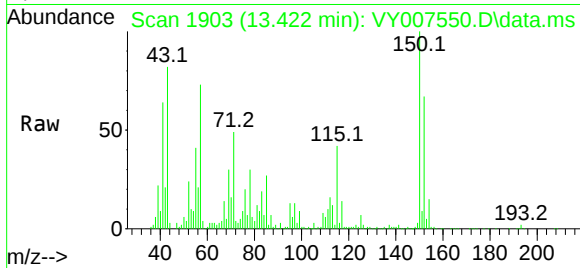




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY007550.D
Acq: 18 Feb 2022 17:14

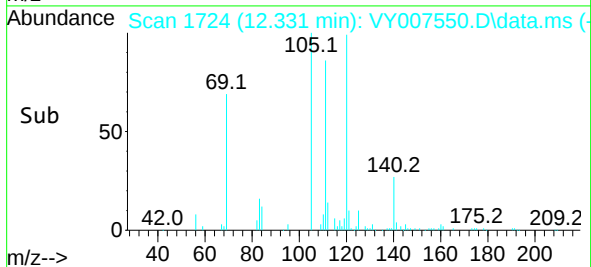
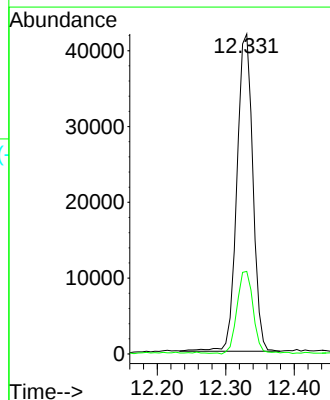
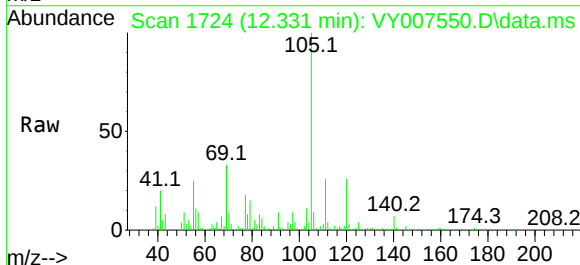
Instrument :
MSVOA_Y
ClientSampleId :
C0AA2

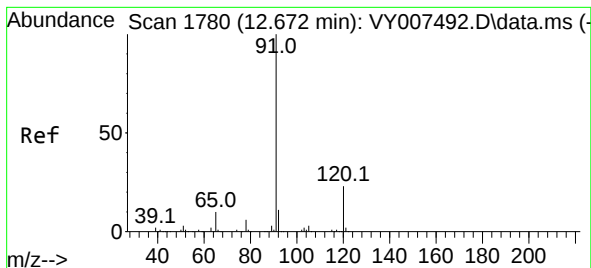
Tgt Ion:152 Resp: 46360
Ion Ratio Lower Upper
152 100
115 62.4 28.2 84.7
150 142.5 0.0 347.6



#73
Isopropylbenzene
Concen: 16.471 ug/l
RT: 12.331 min Scan# 1724
Delta R.T. -0.000 min
Lab File: VY007550.D
Acq: 18 Feb 2022 17:14

Tgt Ion:105 Resp: 67650
Ion Ratio Lower Upper
105 100
120 26.9 13.4 40.2





#78

n-propylbenzene

Concen: 41.875 ug/l

RT: 12.672 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY007550.D

Acq: 18 Feb 2022 17:14

Instrument :

MSVOA_Y

ClientSampleId :

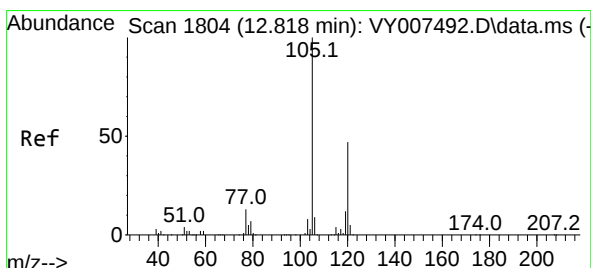
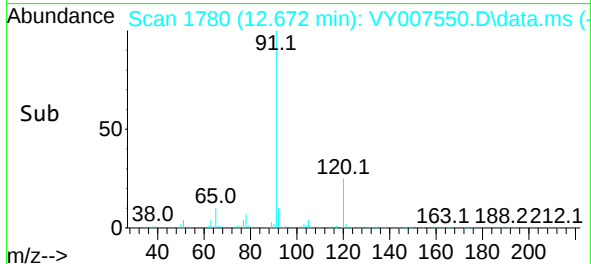
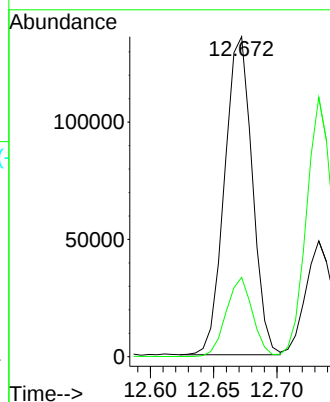
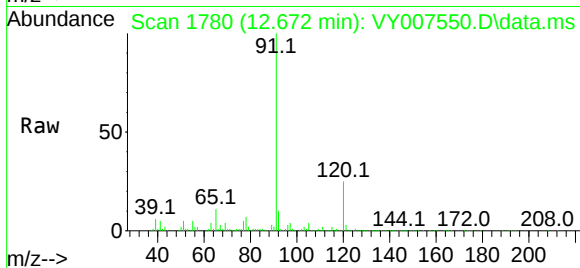
C0AA2

Tgt Ion: 91 Resp: 206955

Ion Ratio Lower Upper

91 100

120 23.5 11.3 33.9



#80

1,3,5-Trimethylbenzene

Concen: 69.298 ug/l

RT: 12.812 min Scan# 1803

Delta R.T. 0.000 min

Lab File: VY007550.D

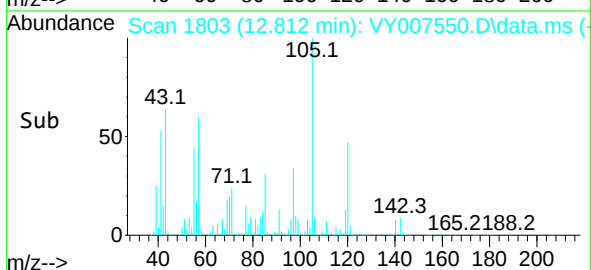
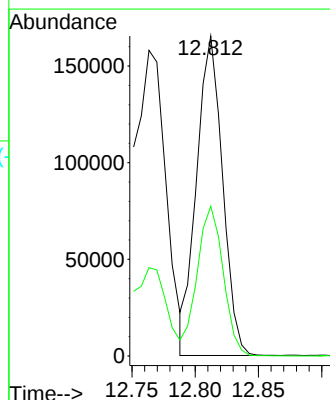
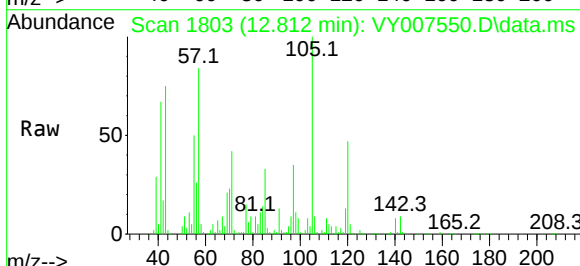
Acq: 18 Feb 2022 17:14

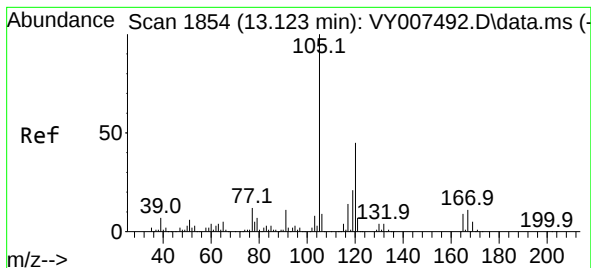
Tgt Ion:105 Resp: 235755

Ion Ratio Lower Upper

105 100

120 47.2 24.4 73.4





#84

1,2,4-Trimethylbenzene

Concen: 250.559 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VY007550.D

Acq: 18 Feb 2022 17:14

Instrument :

MSVOA_Y

ClientSampleId :

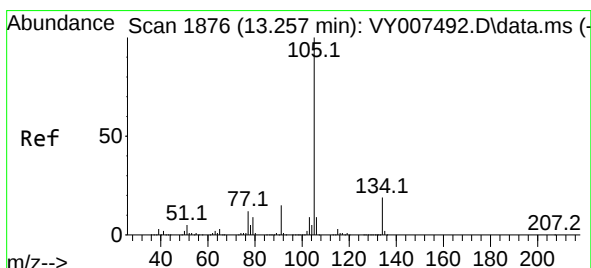
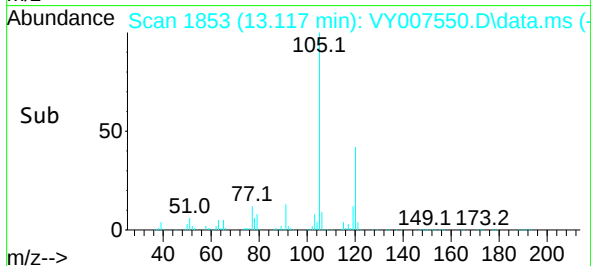
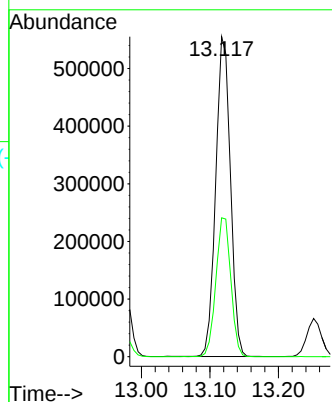
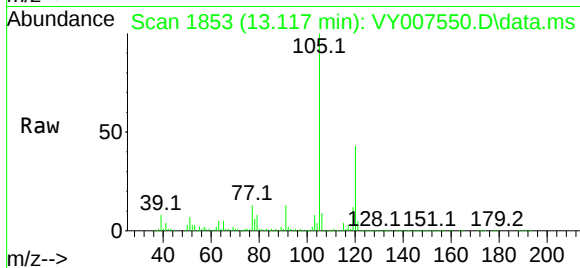
C0AA2

Tgt Ion:105 Resp: 826504

Ion Ratio Lower Upper

105 100

120 44.1 22.3 66.9



#85

sec-Butylbenzene

Concen: 21.986 ug/l

RT: 13.251 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VY007550.D

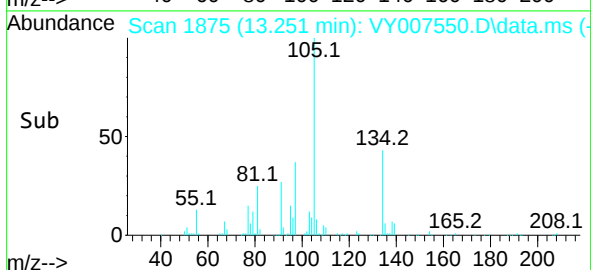
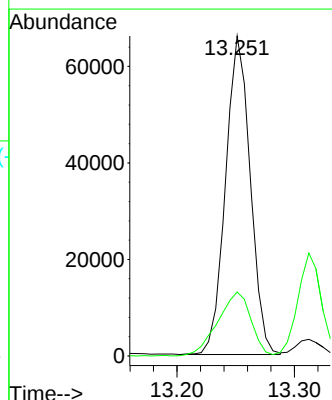
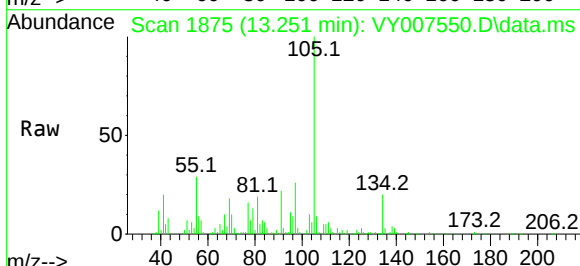
Acq: 18 Feb 2022 17:14

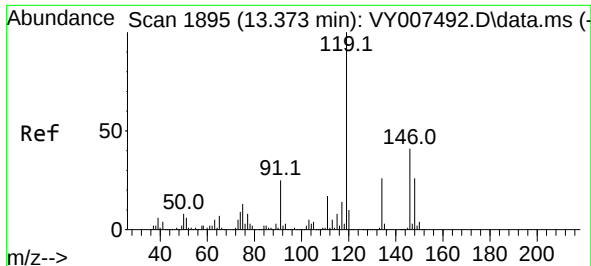
Tgt Ion:105 Resp: 96368

Ion Ratio Lower Upper

105 100

134 27.0 10.2 30.4

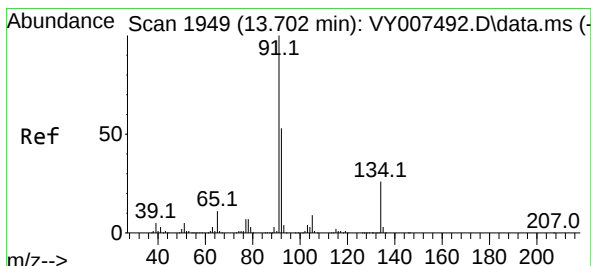
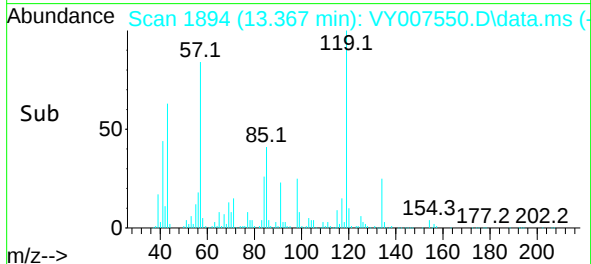
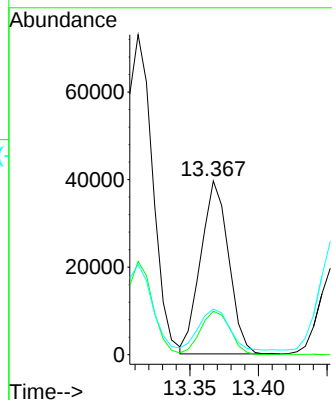
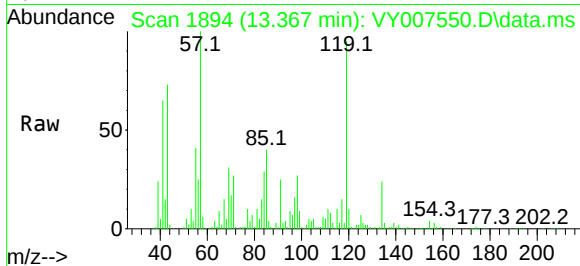




#86
p-Isopropyltoluene
Concen: 15.504 ug/l
RT: 13.367 min Scan# 119
Delta R.T. 0.000 min
Lab File: VY007550.D
Acq: 18 Feb 2022 17:14

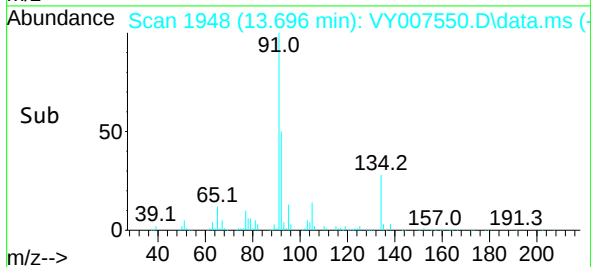
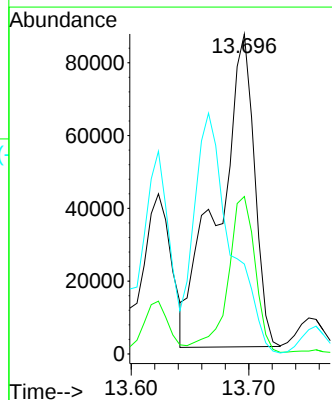
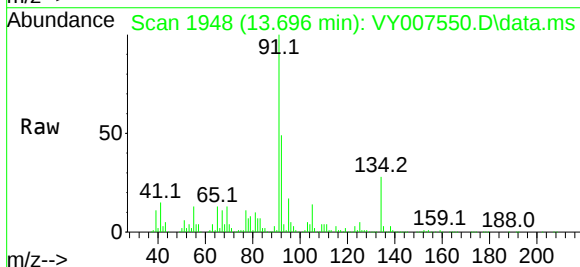
Instrument :
MSVOA_Y
ClientSampleId :
C0AA2

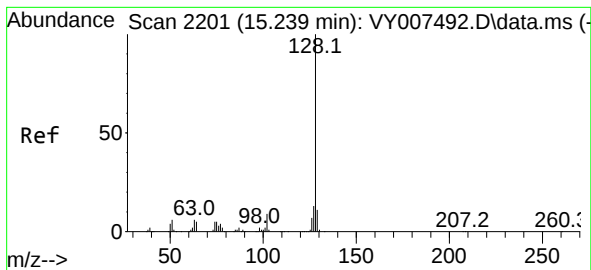
Tgt Ion:119 Resp: 55975
Ion Ratio Lower Upper
119 100
134 26.2 13.2 39.5
91 25.2 12.4 37.2



#89
n-Butylbenzene
Concen: 52.862 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. 0.000 min
Lab File: VY007550.D
Acq: 18 Feb 2022 17:14

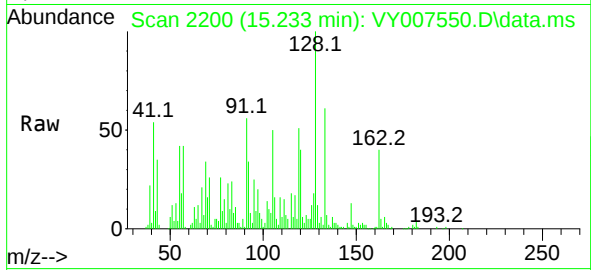
Tgt Ion: 91 Resp: 181489
Ion Ratio Lower Upper
91 100
92 38.2 26.3 78.9
134 0.0 13.0 38.9#





#95
Naphthalene
Concen: 20.203 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.000 min
Lab File: VY007550.D
Acq: 18 Feb 2022 17:14

Instrument :
MSVOA_Y
ClientSampleId :
C0AA2



Tgt Ion:128 Resp: 39848
Ion Ratio Lower Upper
128 100
127 21.2 11.0 16.4#
129 7.0 8.4 12.6#

