

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060321\
 Data File : VY004943.D
 Acq On : 03 Jun 2021 17:45
 Operator : SY/MD
 Sample : M2589-13
 Misc : 6.43G/5ML/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 18-B10(4-6)

Quant Time: Jun 04 01:18:20 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060221S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 03 04:43:33 2021
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.801	168	215550	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	385061	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	348597	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	122826	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	142988	62.749	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 125.500%	
35) Dibromofluoromethane	7.728	113	112358	54.235	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.480%	
50) Toluene-d8	10.185	98	468171	54.413	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 108.820%	
62) 4-Bromofluorobenzene	12.483	95	149240	50.435	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 100.880%	

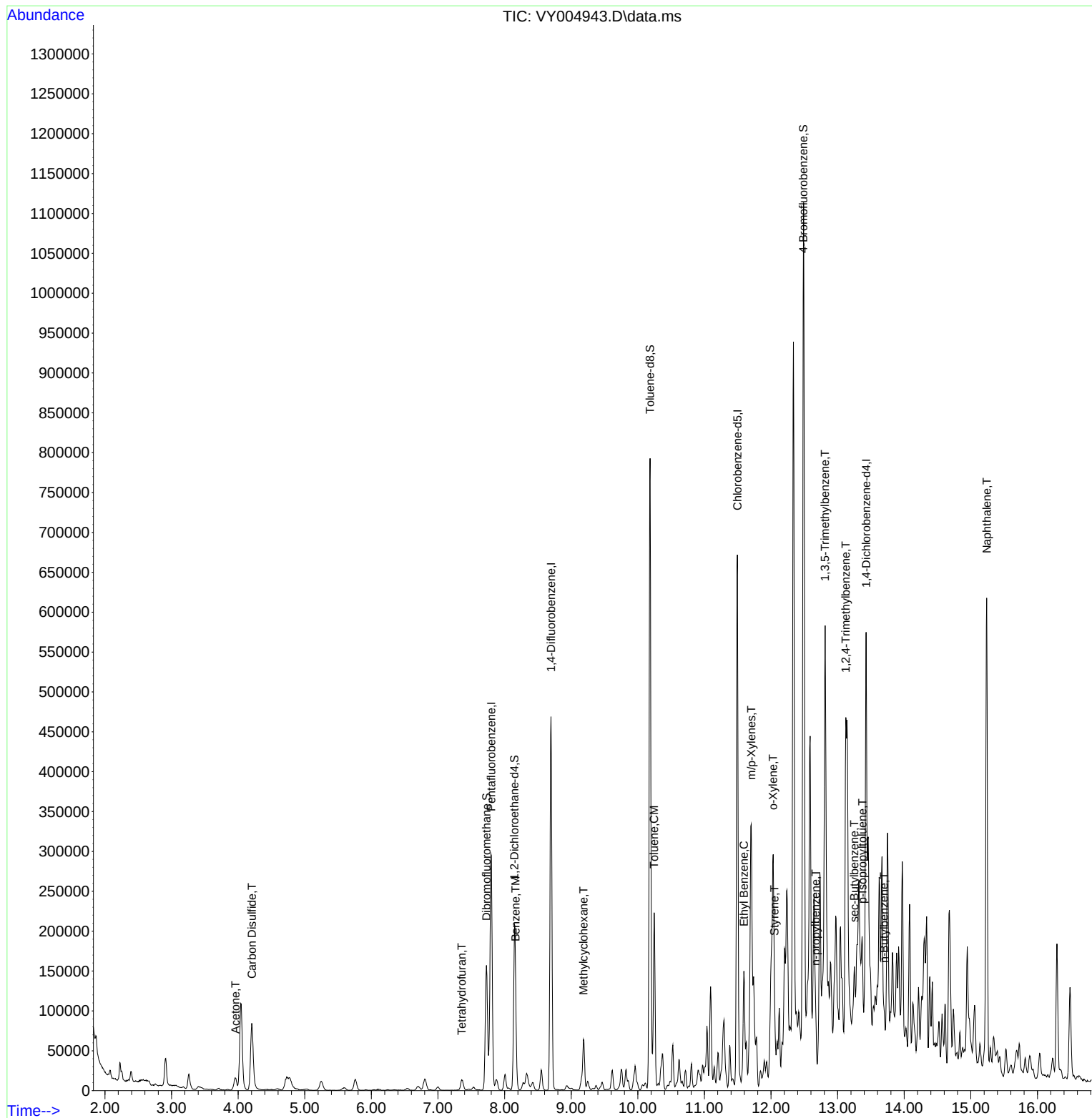
Target Compounds					Qvalue	
16) Acetone	3.960	43	23691	43.188	ug/l	93
17) Carbon Disulfide	4.204	76	158487	23.265	ug/l	99
29) Tetrahydrofuran	7.356	42	9604	16.371	ug/l	95
39) Methylcyclohexane	9.185	83	23613	5.673	ug/l	99
40) Benzene	8.167	78	34083	3.161	ug/l	98
52) Toluene	10.246	92	88675	13.591	ug/l	100
67) Ethyl Benzene	11.593	91	88365	6.923	ug/l	100
68) m/p-Xylenes	11.703	106	84643	17.699	ug/l	98
69) o-Xylene	12.032	106	57314	12.869	ug/l	99
70) Styrene	12.050	104	28551	3.848	ug/l #	73
78) n-propylbenzene	12.672	91	47618	4.258	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	142997	18.682	ug/l	100
84) 1,2,4-Trimethylbenzene	13.123	105	202493	26.620	ug/l	96
85) sec-Butylbenzene	13.251	105	26194	2.779	ug/l	80
86) p-Isopropyltoluene	13.373	119	49729	6.150	ug/l	99
89) n-Butylbenzene	13.696	91	14030	1.804	ug/l #	61
95) Naphthalene	15.239	128	468283	97.276	ug/l	99

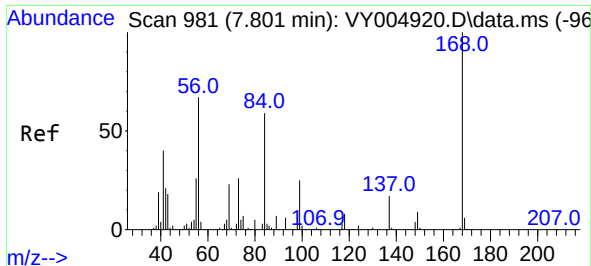
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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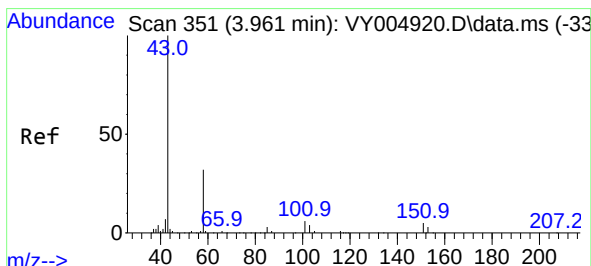
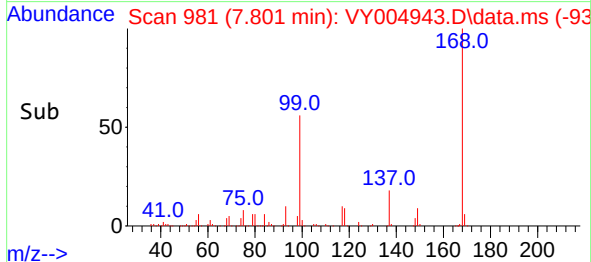
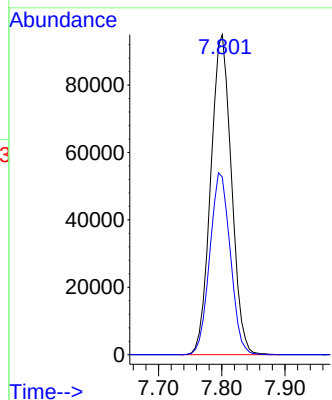
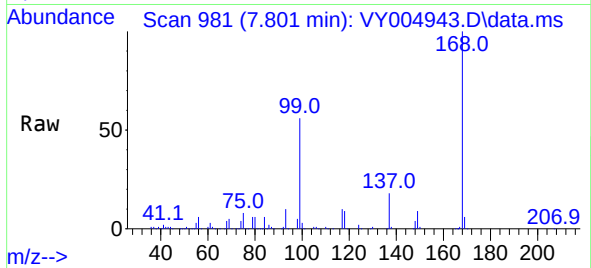




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.000 min
Lab File: VY004943.D
Acq: 03 Jun 2021 17:45

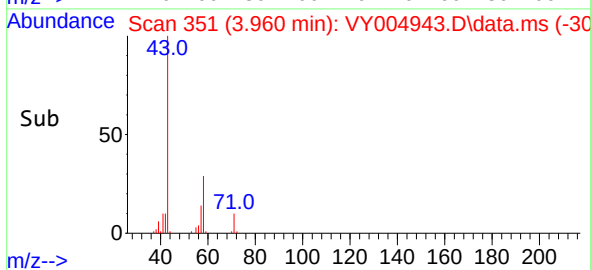
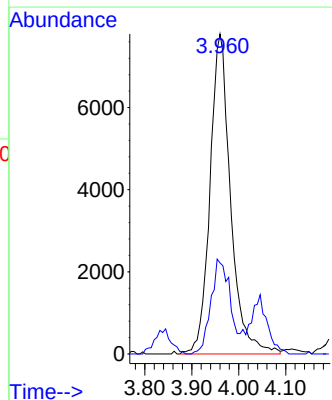
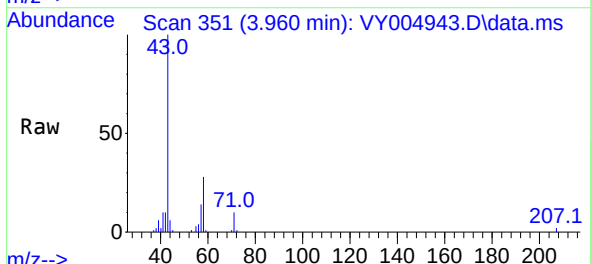
Instrument :
MSVOA_Y
ClientSampled :
18-B10(4-6)

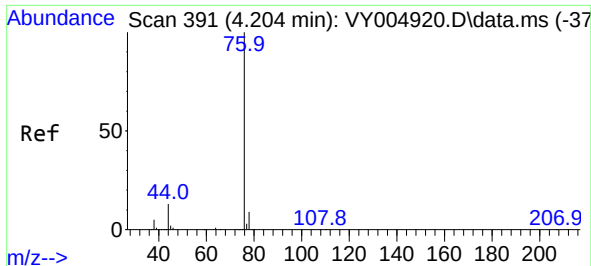
Tgt Ion:168 Resp: 215550
Ion Ratio Lower Upper
168 100
99 55.5 43.9 65.9



#16
Acetone
Concen: 43.188 ug/l
RT: 3.960 min Scan# 351
Delta R.T. -0.000 min
Lab File: VY004943.D
Acq: 03 Jun 2021 17:45

Tgt Ion: 43 Resp: 23691
Ion Ratio Lower Upper
43 100
58 27.7 25.3 37.9

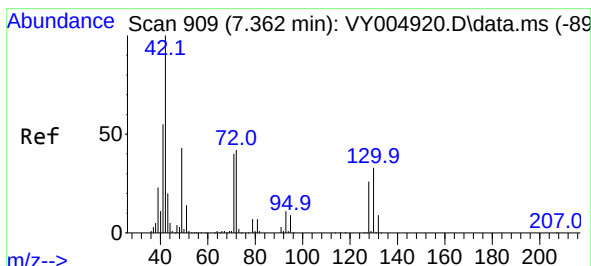
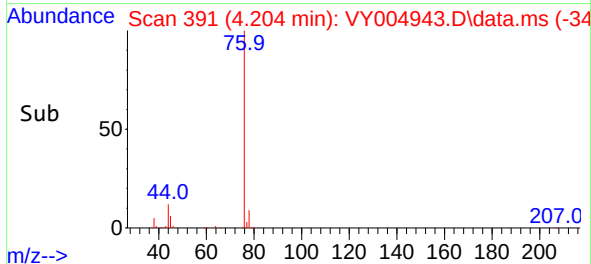
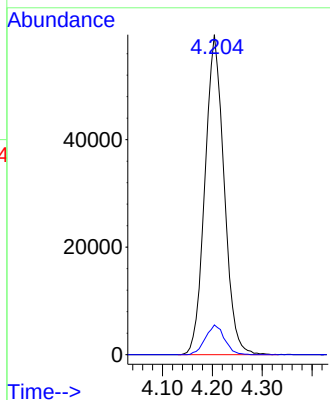
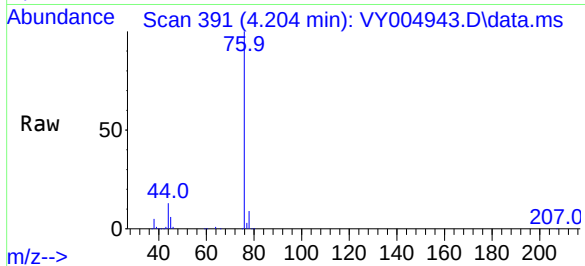




#17
Carbon Disulfide
Concen: 23.265 ug/l
RT: 4.204 min Scan# 391
Delta R.T. -0.000 min
Lab File: VY004943.D
Acq: 03 Jun 2021 17:45

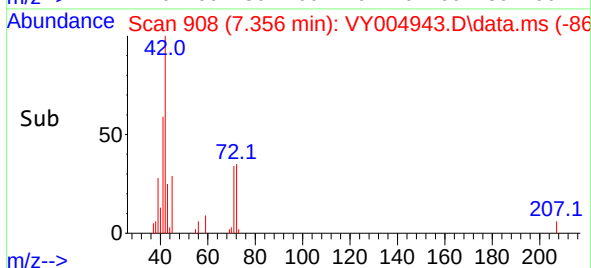
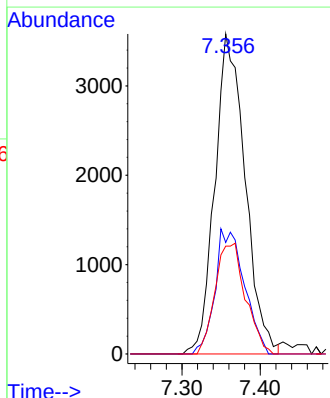
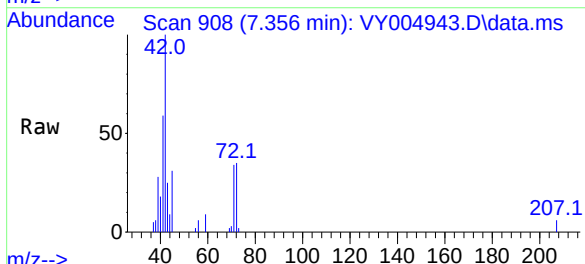
Instrument :
MSVOA_Y
ClientSampleId :
18-B10(4-6)

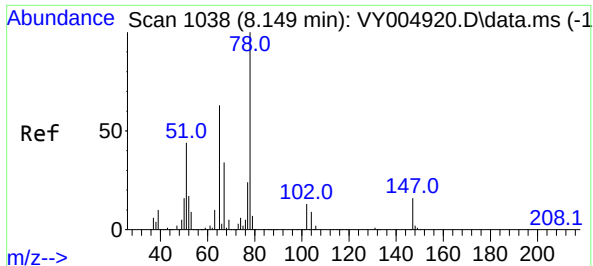
Tgt Ion: 76 Resp: 158487
Ion Ratio Lower Upper
76 100
78 9.3 7.6 11.4



#29
Tetrahydrofuran
Concen: 16.371 ug/l
RT: 7.356 min Scan# 908
Delta R.T. -0.007 min
Lab File: VY004943.D
Acq: 03 Jun 2021 17:45

Tgt Ion: 42 Resp: 9604
Ion Ratio Lower Upper
42 100
72 37.9 32.6 49.0
71 34.8 30.9 46.3

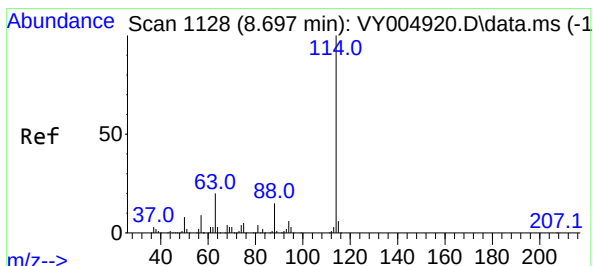
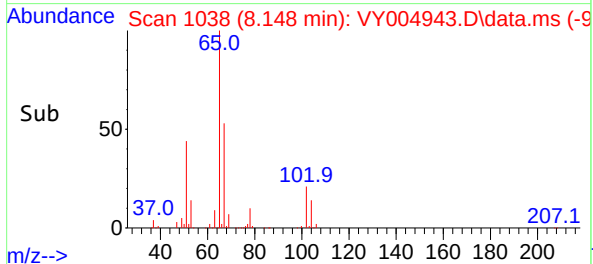
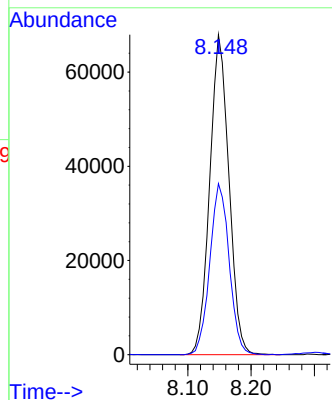
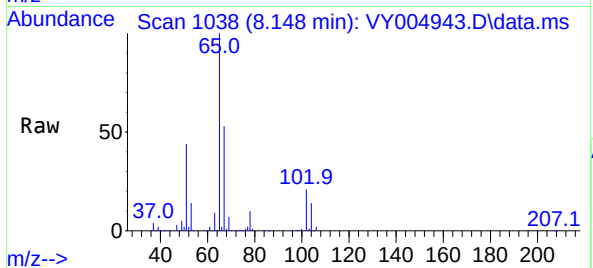




#33
1,2-Dichloroethane-d4
Concen: 62.749 ug/l
RT: 8.148 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VY004943.D
Acq: 03 Jun 2021 17:45

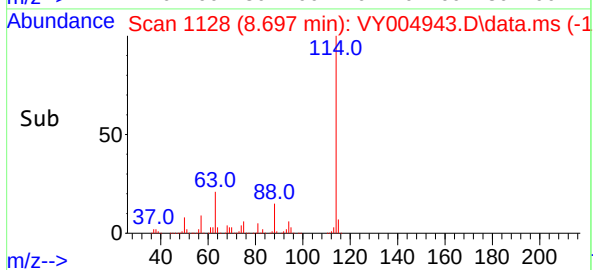
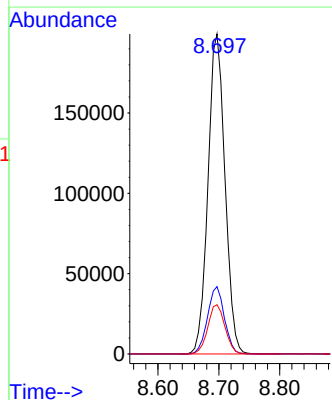
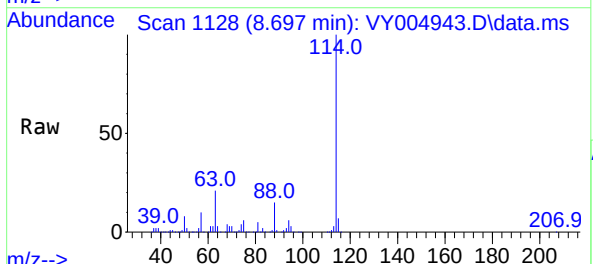
Instrument :
MSVOA_Y
ClientSampleId :
18-B10(4-6)

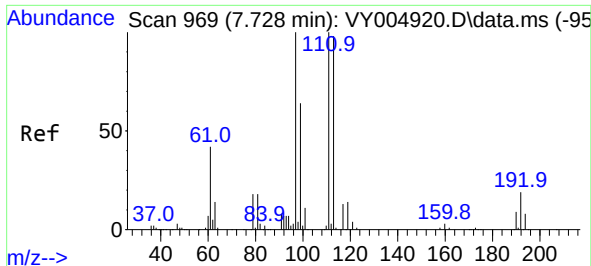
Tgt Ion: 65 Resp: 142988
Ion Ratio Lower Upper
65 100
67 54.0 0.0 110.6



#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VY004943.D
Acq: 03 Jun 2021 17:45

Tgt Ion:114 Resp: 385061
Ion Ratio Lower Upper
114 100
63 21.1 0.0 41.0
88 15.4 0.0 30.6



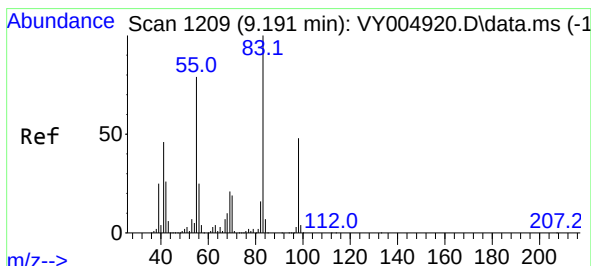
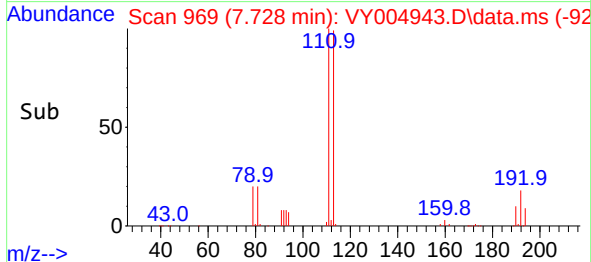
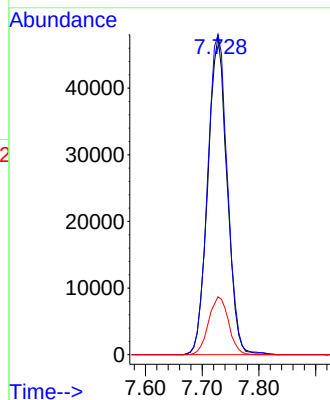
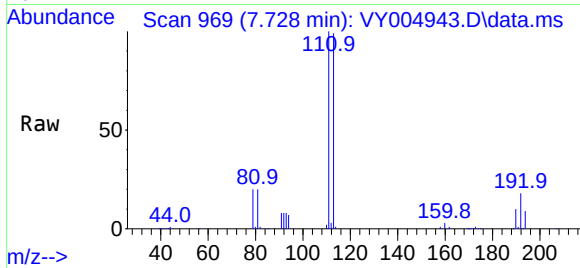


#35
Dibromofluoromethane
Concen: 54.235 ug/l
RT: 7.728 min Scan# 969
Delta R.T. -0.000 min
Lab File: VY004943.D
Acq: 03 Jun 2021 17:45

Instrument :
MSVOA_Y
ClientSampleId :
18-B10(4-6)

Tgt Ion:113 Resp: 112358

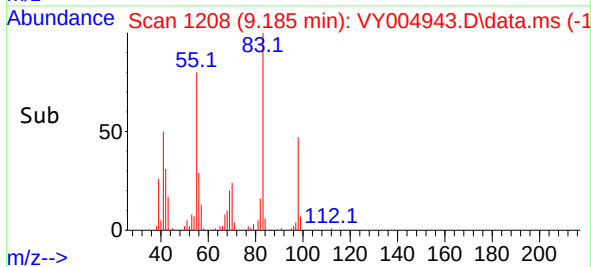
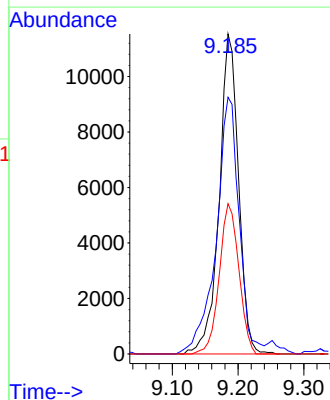
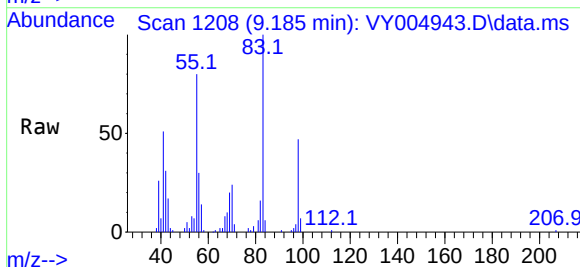
Ion	Ratio	Lower	Upper
113	100		
111	103.6	81.8	122.8
192	18.9	15.3	22.9

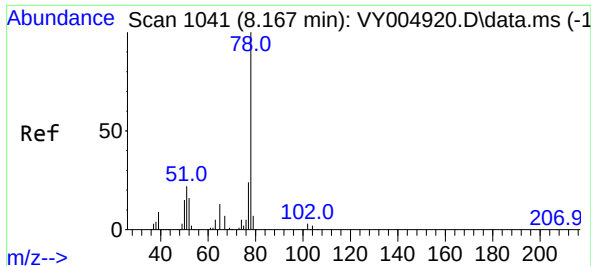


#39
Methylcyclohexane
Concen: 5.673 ug/l
RT: 9.185 min Scan# 1208
Delta R.T. -0.007 min
Lab File: VY004943.D
Acq: 03 Jun 2021 17:45

Tgt Ion: 83 Resp: 23613

Ion	Ratio	Lower	Upper
83	100		
55	79.5	63.1	94.7
98	46.9	38.6	58.0

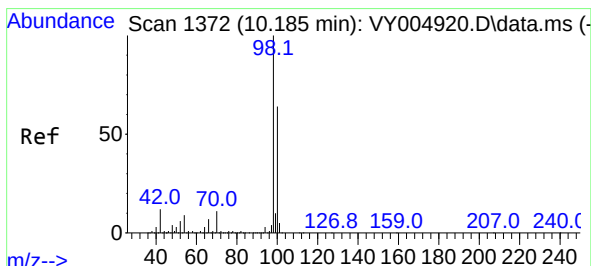
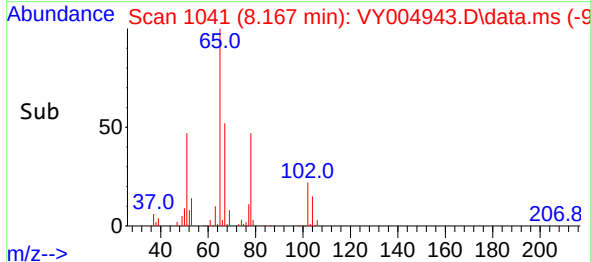
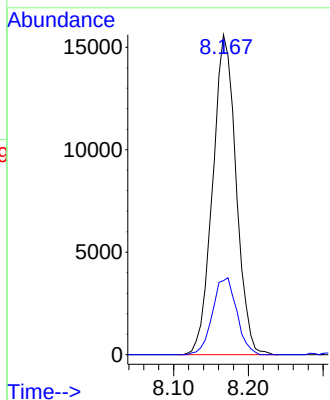
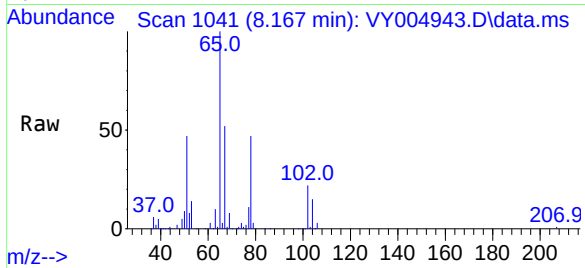




#40
Benzene
Concen: 3.161 ug/l
RT: 8.167 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY004943.D
Acq: 03 Jun 2021 17:45

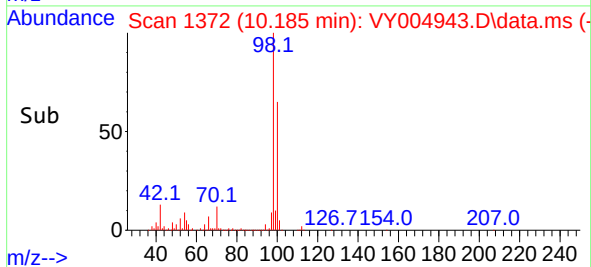
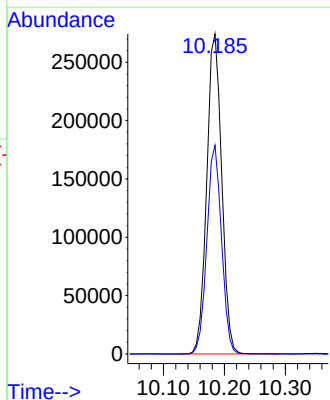
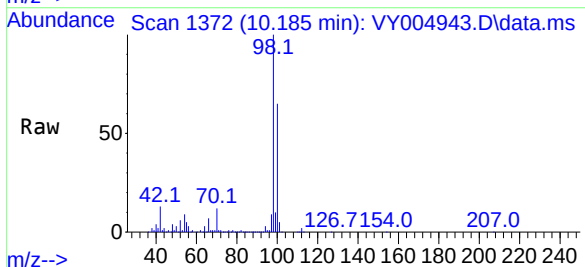
Instrument :
MSVOA_Y
ClientSampleId :
18-B10(4-6)

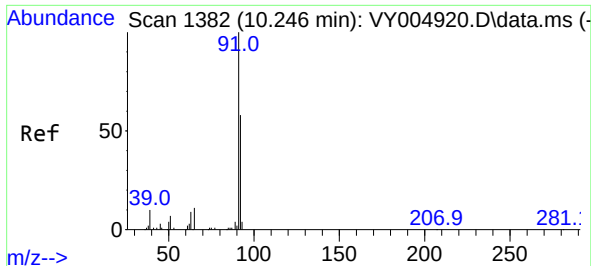
Tgt Ion: 78 Resp: 34083
Ion Ratio Lower Upper
78 100
77 23.2 19.4 29.2



#50
Toluene-d8
Concen: 54.413 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY004943.D
Acq: 03 Jun 2021 17:45

Tgt Ion: 98 Resp: 468171
Ion Ratio Lower Upper
98 100
100 63.8 51.8 77.6

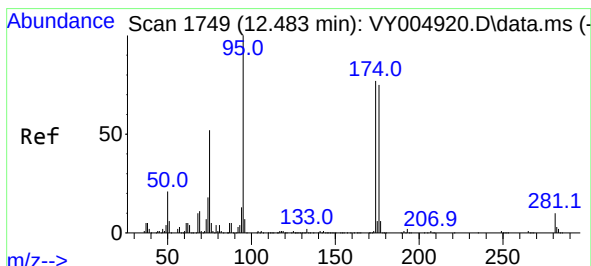
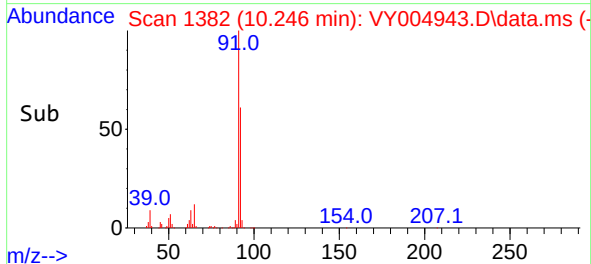
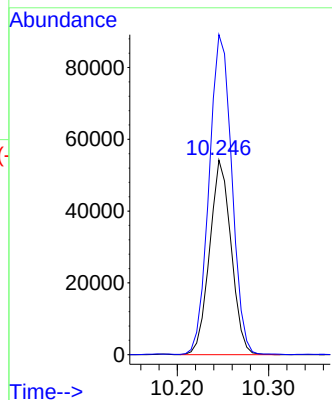
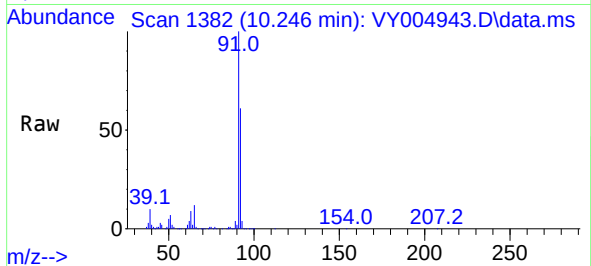




#52
Toluene
Concen: 13.591 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. -0.000 min
Lab File: VY004943.D
Acq: 03 Jun 2021 17:45

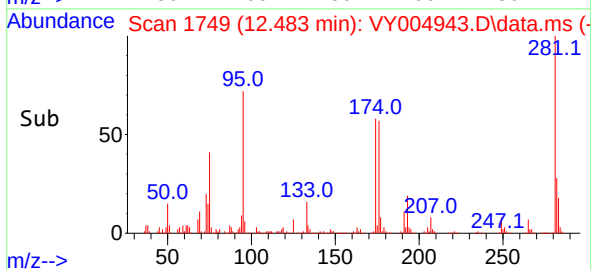
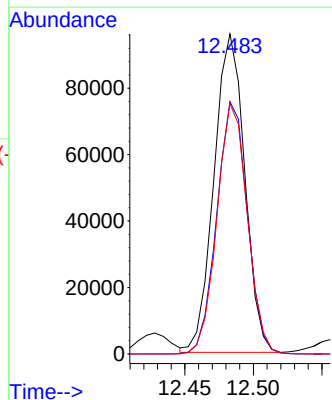
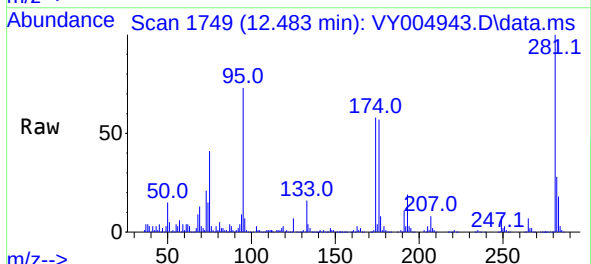
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18-B10(4-6)

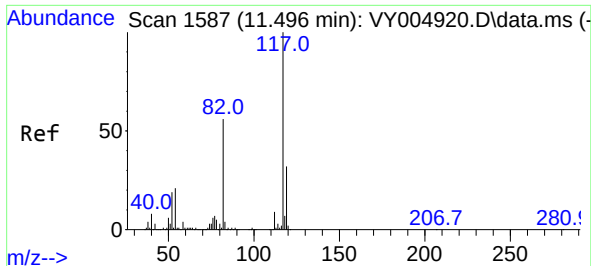
Tgt Ion: 92 Resp: 88675
Ion Ratio Lower Upper
92 100
91 173.8 139.3 208.9



#62
4-Bromofluorobenzene
Concen: 50.435 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY004943.D
Acq: 03 Jun 2021 17:45

Tgt Ion: 95 Resp: 149240
Ion Ratio Lower Upper
95 100
174 78.8 0.0 160.8
176 77.5 0.0 155.6

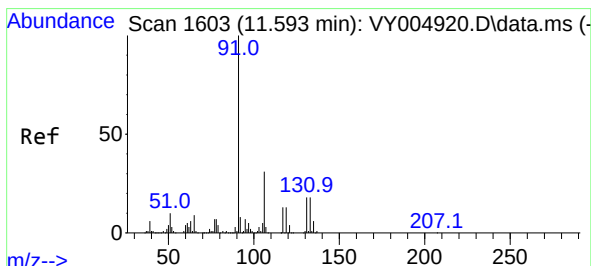
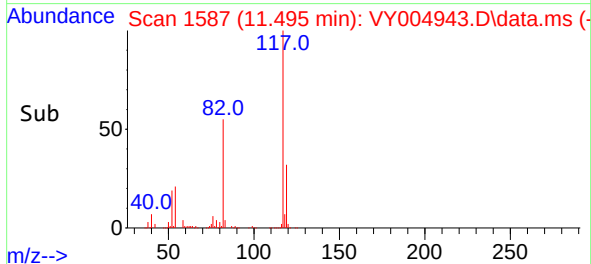
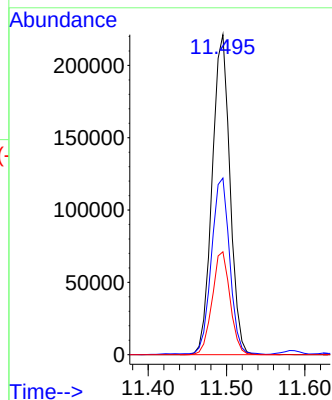
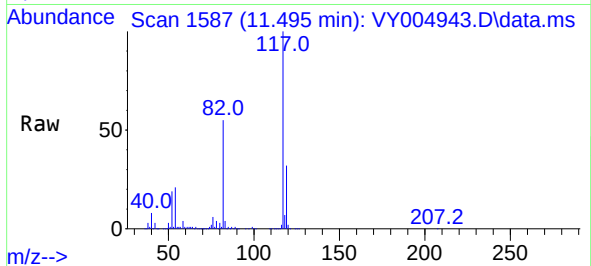




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY004943.D
Acq: 03 Jun 2021 17:45

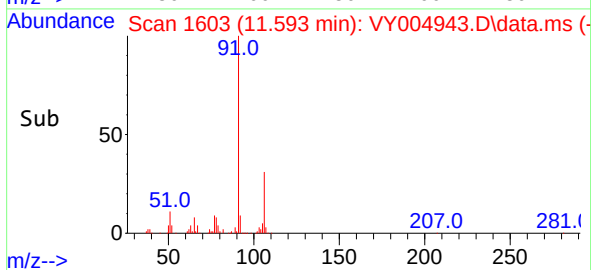
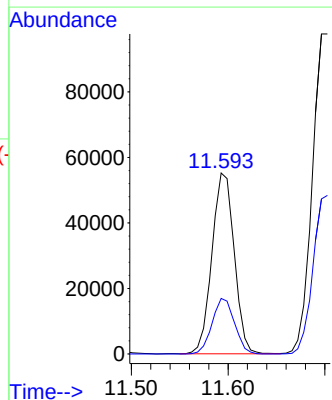
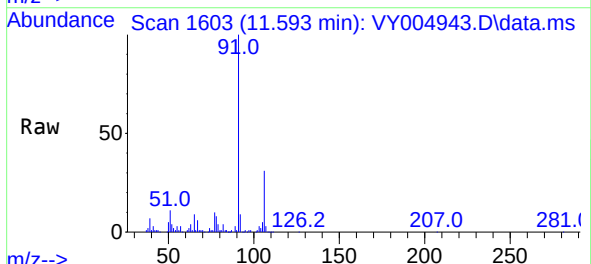
Instrument :
MSVOA_Y
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18-B10(4-6)

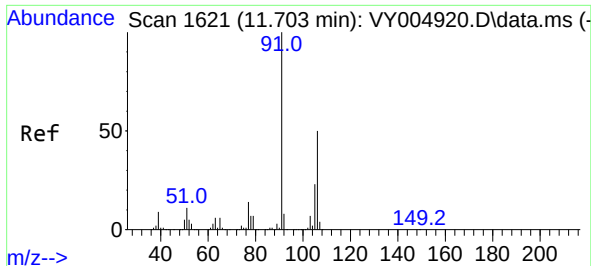
Tgt Ion:117 Resp: 348597
Ion Ratio Lower Upper
117 100
82 54.9 44.8 67.2
119 32.1 25.2 37.8



#67
Ethyl Benzene
Concen: 6.923 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. -0.000 min
Lab File: VY004943.D
Acq: 03 Jun 2021 17:45

Tgt Ion: 91 Resp: 88365
Ion Ratio Lower Upper
91 100
106 30.7 24.6 36.8

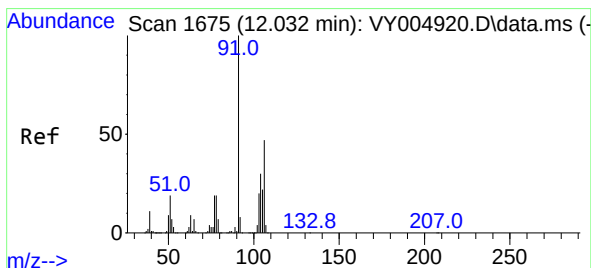
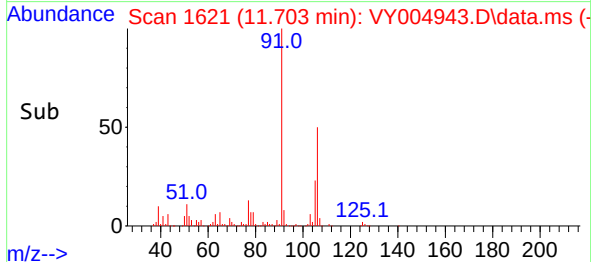
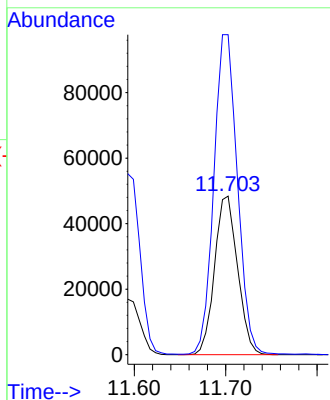
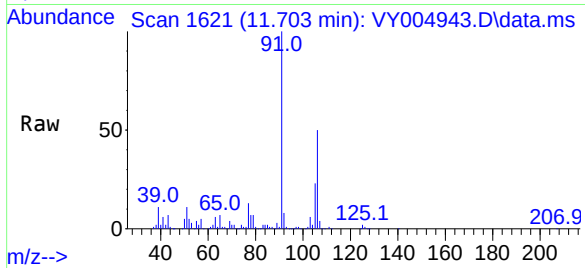




#68
m/p-Xylenes
Concen: 17.699 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. -0.000 min
Lab File: VY004943.D
Acq: 03 Jun 2021 17:45

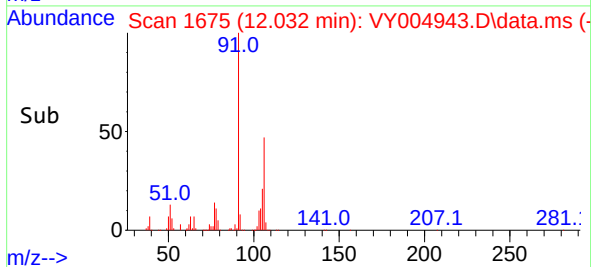
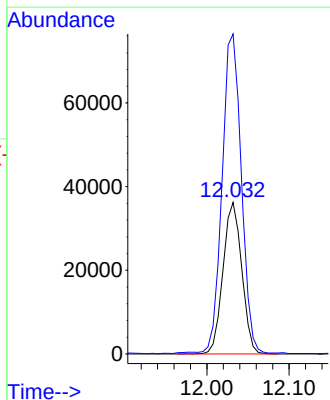
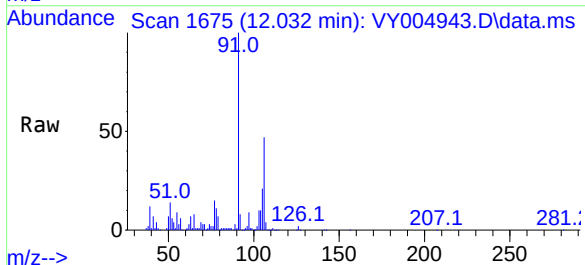
Instrument :
MSVOA_Y
ClientSampled :
18-B10(4-6)

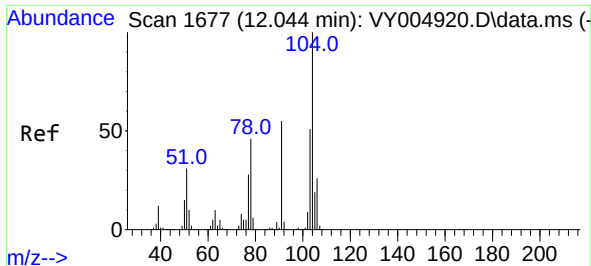
Tgt Ion:106 Resp: 84643
Ion Ratio Lower Upper
106 100
91 206.0 161.9 242.9



#69
o-Xylene
Concen: 12.869 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VY004943.D
Acq: 03 Jun 2021 17:45

Tgt Ion:106 Resp: 57314
Ion Ratio Lower Upper
106 100
91 218.3 108.0 324.0

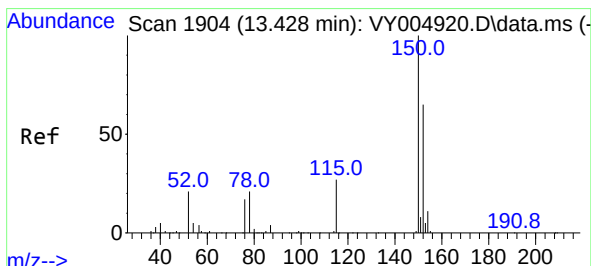
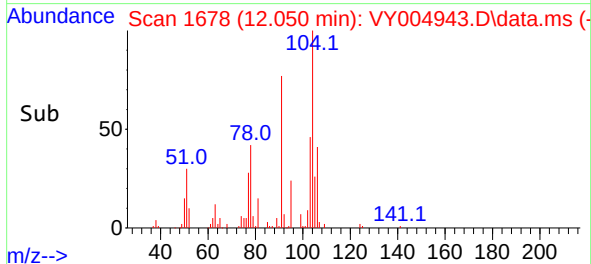
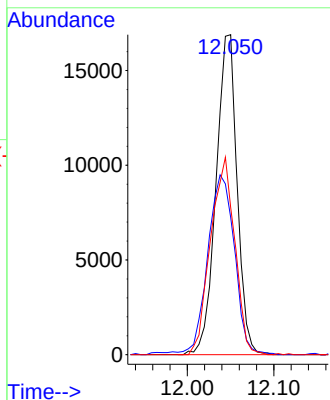
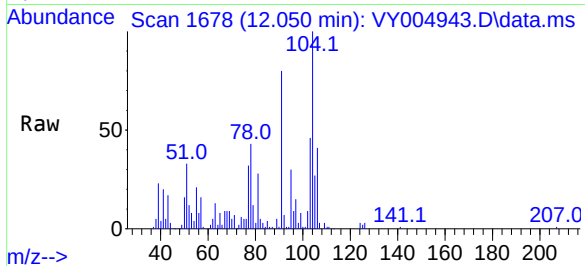




#70
Styrene
Concen: 3.848 ug/l
RT: 12.050 min Scan# 1678
Delta R.T. 0.006 min
Lab File: VY004943.D
Acq: 03 Jun 2021 17:45

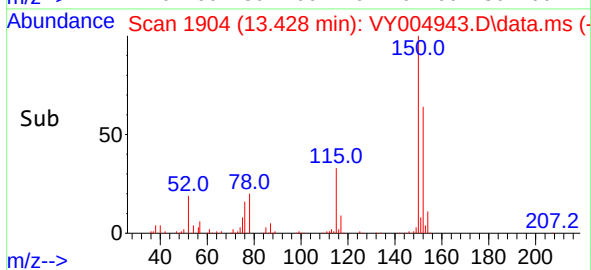
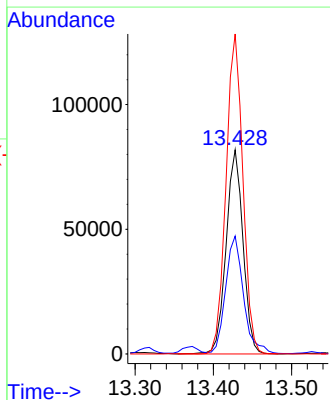
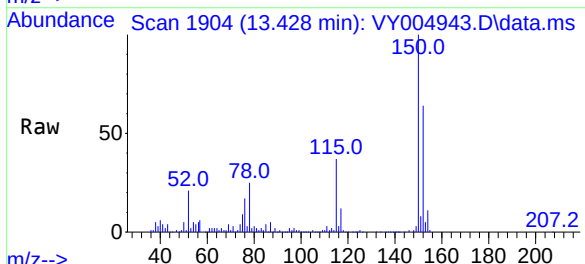
Instrument :
MSVOA_Y
ClientSampled :
18-B10(4-6)

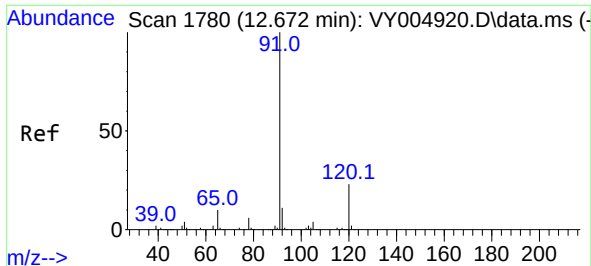
Tgt Ion:104 Resp: 28551
Ion Ratio Lower Upper
104 100
78 72.0 40.2 60.2#
103 70.8 44.0 66.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY004943.D
Acq: 03 Jun 2021 17:45

Tgt Ion:152 Resp: 122826
Ion Ratio Lower Upper
152 100
115 61.0 29.9 89.7
150 156.1 0.0 347.8

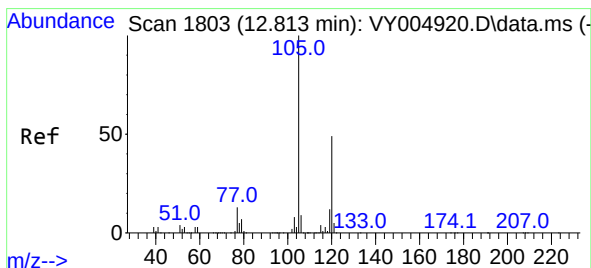
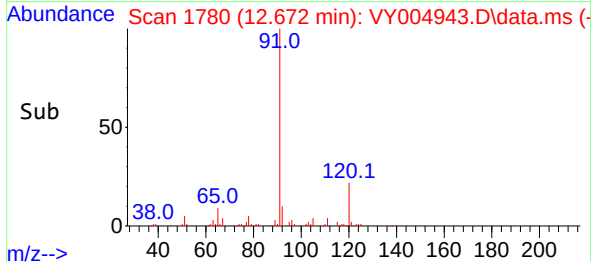
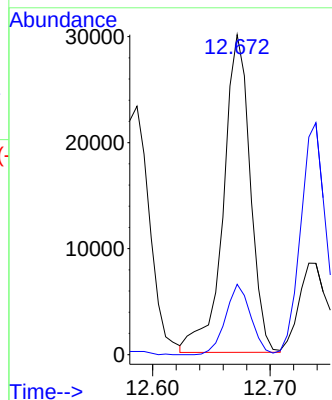
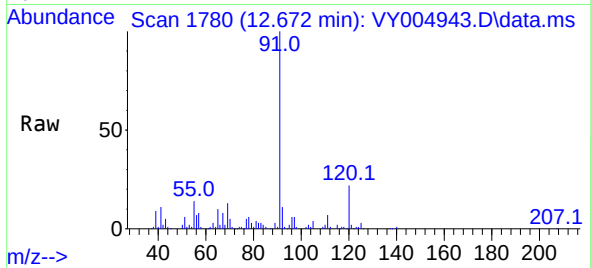




#78
n-propylbenzene
Concen: 4.258 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. -0.000 min
Lab File: VY004943.D
Acq: 03 Jun 2021 17:45

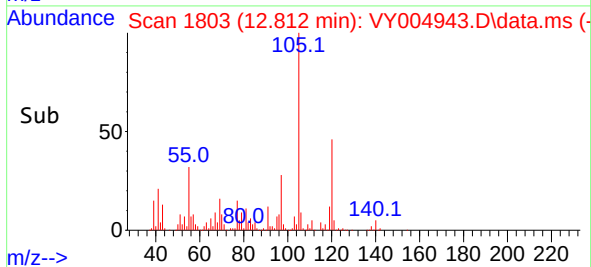
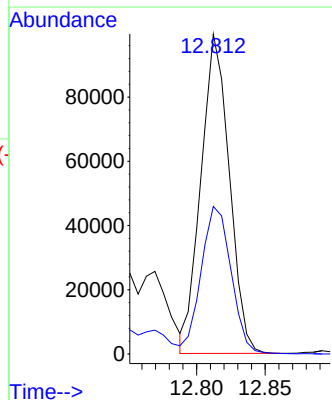
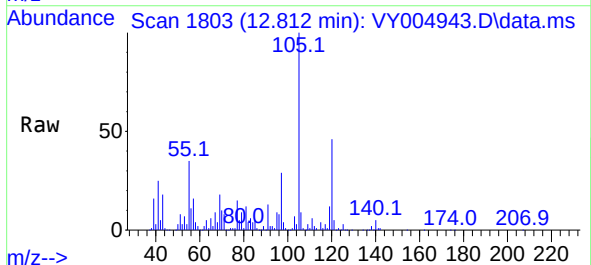
Instrument :
MSVOA_Y
ClientSampleId :
18-B10(4-6)

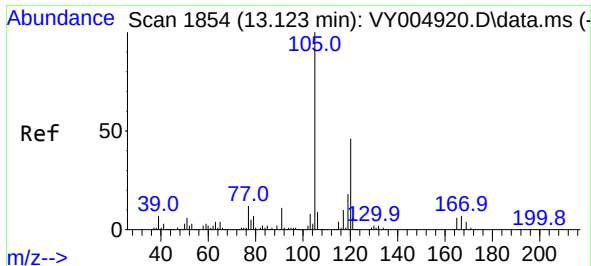
Tgt Ion: 91 Resp: 47618
Ion Ratio Lower Upper
91 100
120 20.8 11.2 33.6



#80
1,3,5-Trimethylbenzene
Concen: 18.682 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. -0.000 min
Lab File: VY004943.D
Acq: 03 Jun 2021 17:45

Tgt Ion:105 Resp: 142997
Ion Ratio Lower Upper
105 100
120 48.9 24.5 73.5

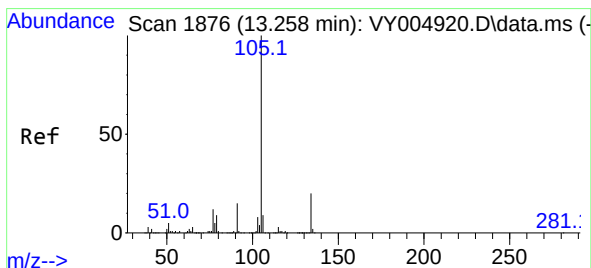
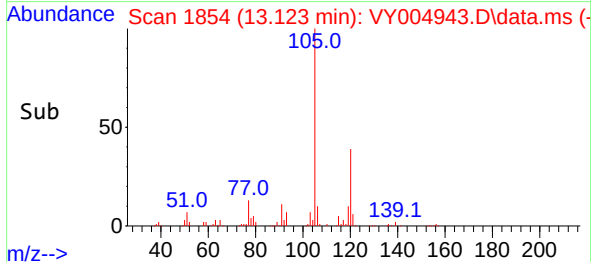
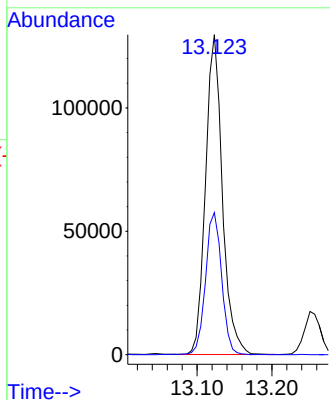
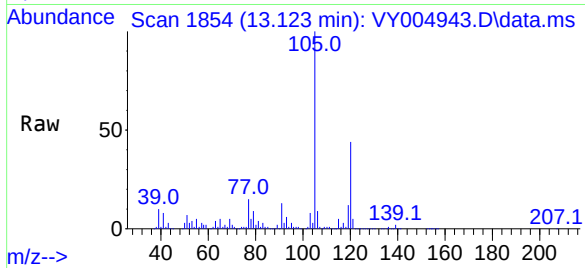




#84
1,2,4-Trimethylbenzene
Concen: 26.620 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. -0.000 min
Lab File: VY004943.D
Acq: 03 Jun 2021 17:45

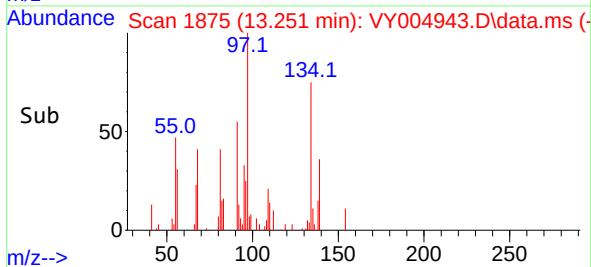
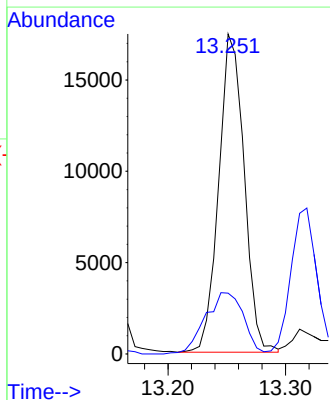
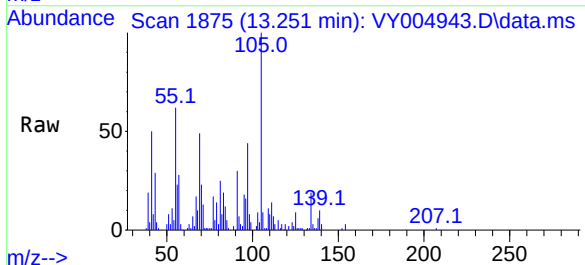
Instrument :
MSVOA_Y
ClientSampleId :
18-B10(4-6)

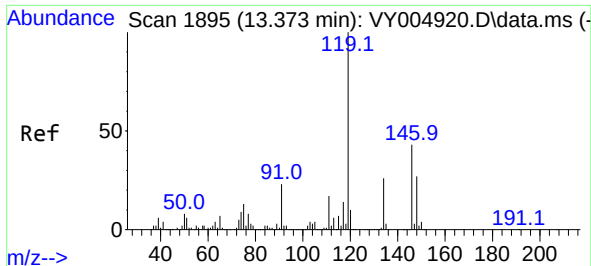
Tgt Ion:105 Resp: 202493
Ion Ratio Lower Upper
105 100
120 42.6 22.6 67.7



#85
sec-Butylbenzene
Concen: 2.779 ug/l
RT: 13.251 min Scan# 1875
Delta R.T. -0.007 min
Lab File: VY004943.D
Acq: 03 Jun 2021 17:45

Tgt Ion:105 Resp: 26194
Ion Ratio Lower Upper
105 100
134 28.9 9.9 29.7

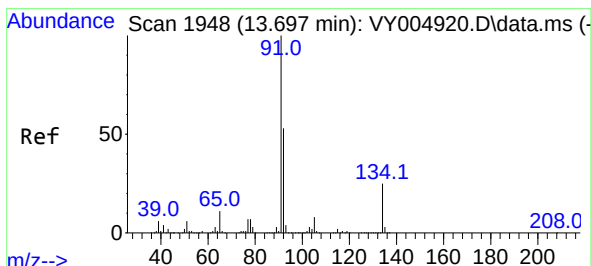
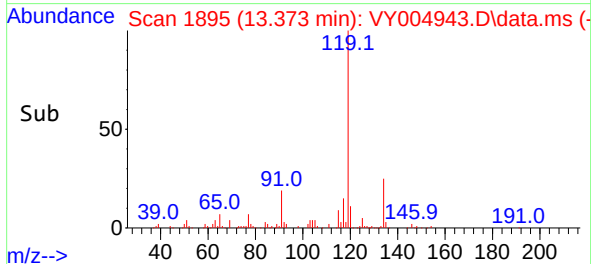
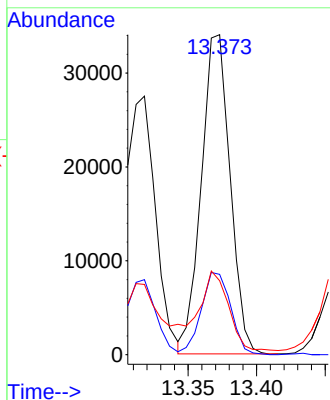
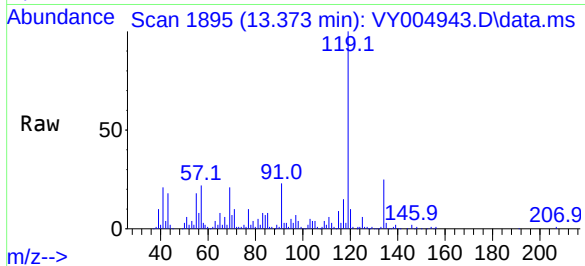




#86
p-Isopropyltoluene
Concen: 6.150 ug/l
RT: 13.373 min Scan# 1895
Delta R.T. -0.000 min
Lab File: VY004943.D
Acq: 03 Jun 2021 17:45

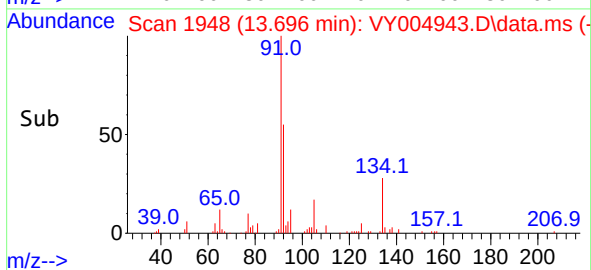
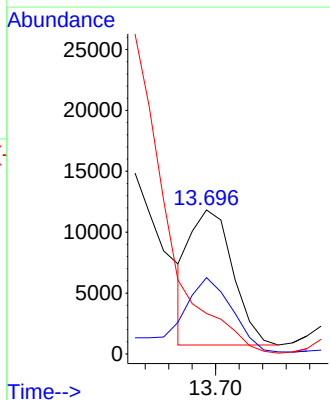
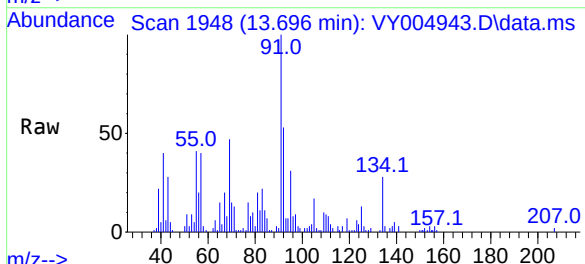
Instrument :
MSVOA_Y
ClientSampleId :
18-B10(4-6)

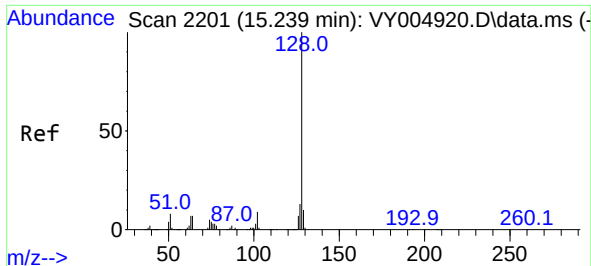
Tgt Ion:	119	Resp:	49729
Ion	Ratio	Lower	Upper
119	100		
134	26.4	12.9	38.7
91	23.8	11.9	35.5



#89
n-Butylbenzene
Concen: 1.804 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. -0.000 min
Lab File: VY004943.D
Acq: 03 Jun 2021 17:45

Tgt Ion:	91	Resp:	14030
Ion	Ratio	Lower	Upper
91	100		
92	77.1	26.8	80.3
134	0.0	13.0	38.9#





#95
Naphthalene
Concen: 97.276 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY004943.D
Acq: 03 Jun 2021 17:45

Instrument :
MSVOA_Y
ClientSampleId :
18-B10(4-6)

Tgt Ion:128 Resp: 468283
Ion Ratio Lower Upper
128 100
127 13.0 10.2 15.2
129 11.1 8.7 13.1

