

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070121\
 Data File : VY005312.D
 Acq On : 01 Jul 2021 14:28
 Operator : SY/MD
 Sample : M2896-01
 Misc : 7.93G/5ML/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 FS-01

Quant Time: Jul 02 05:15:18 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062221S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 23 07:57:52 2021
 Response via : Initial Calibration

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

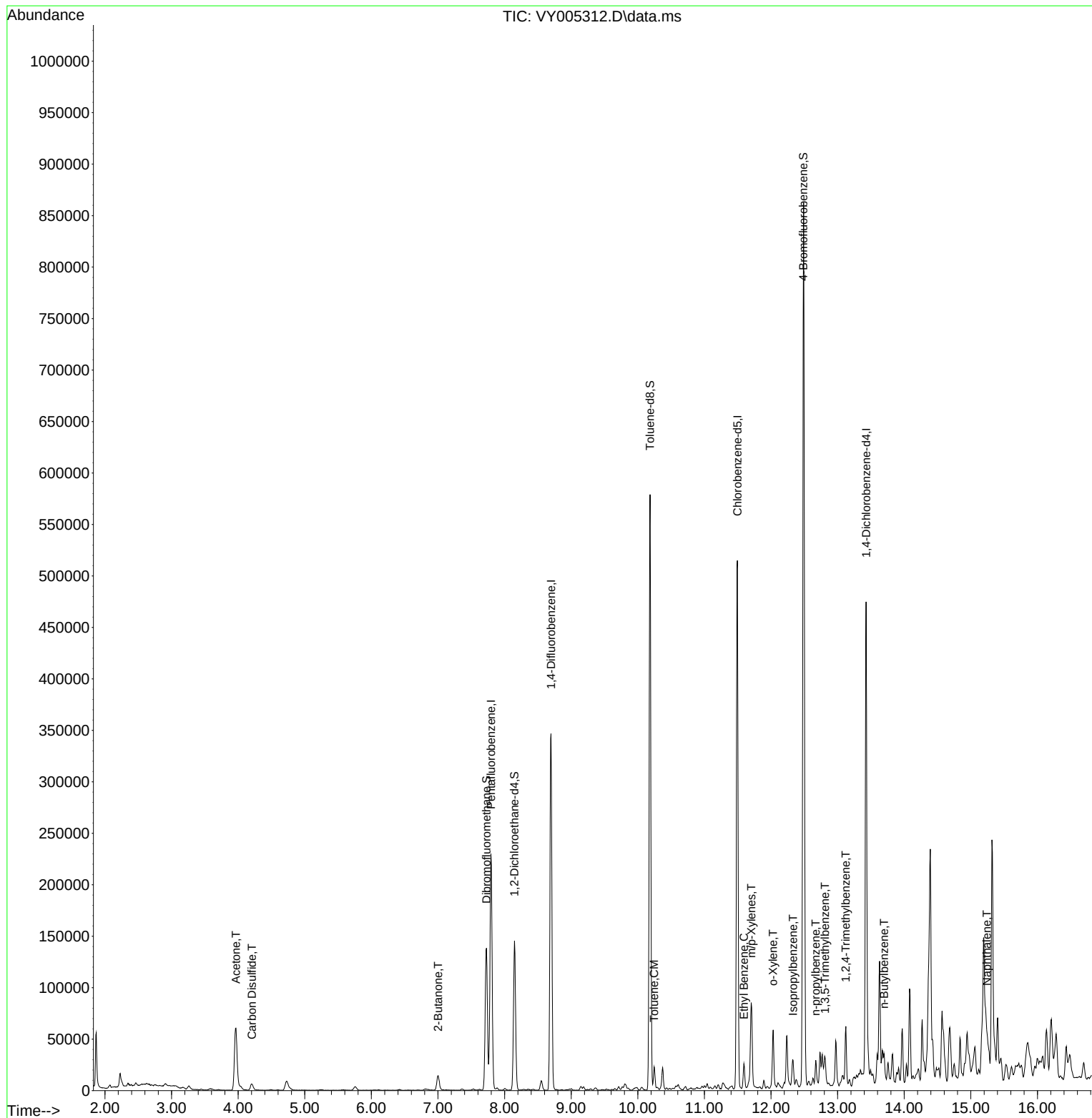
Internal Standards						
1) Pentafluorobenzene	7.795	168	195084	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	310800	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	292047	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	127224	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	108987	67.321	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 134.640%		
35) Dibromofluoromethane	7.728	113	98072	53.505	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 107.000%		
50) Toluene-d8	10.185	98	379497	51.772	ug/l	0.00
Spiked Amount	50.000	Range 49 - 140	Recovery	= 103.540%		
62) 4-Bromofluorobenzene	12.483	95	124384	50.922	ug/l	0.00
Spiked Amount	50.000	Range 25 - 144	Recovery	= 101.840%		
Target Compounds						
					Qvalue	
16) Acetone	3.966	43	111793	298.919	ug/l	98
17) Carbon Disulfide	4.204	76	12571	2.475	ug/l	97
25) 2-Butanone	7.003	43	23889	43.806	ug/l #	87
52) Toluene	10.246	92	8901	1.726	ug/l	96
67) Ethyl Benzene	11.593	91	14279	1.431	ug/l	95
68) m/p-Xylenes	11.703	106	20780	5.196	ug/l	99
69) o-Xylene	12.032	106	14567	3.847	ug/l	96
73) Isopropylbenzene	12.331	105	9444	1.144	ug/l	99
78) n-propylbenzene	12.672	91	17421	1.790	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	8480	1.242	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	29641	4.392	ug/l	99
89) n-Butylbenzene	13.696	91	15882	2.367	ug/l #	74
95) Naphthalene	15.239	128	23350	4.844	ug/l	95

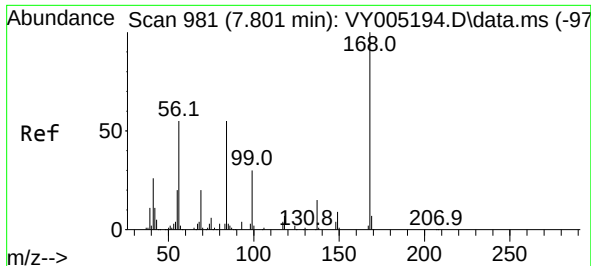
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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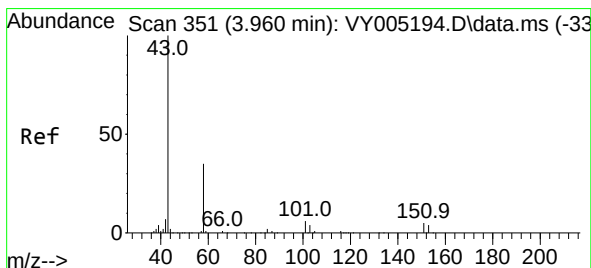
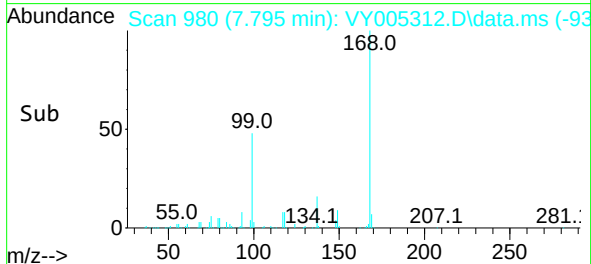
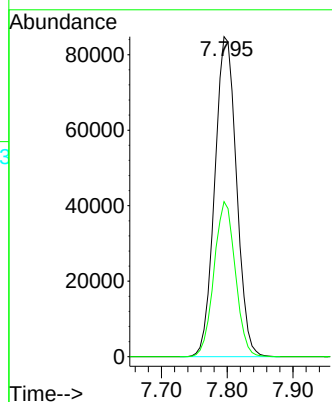
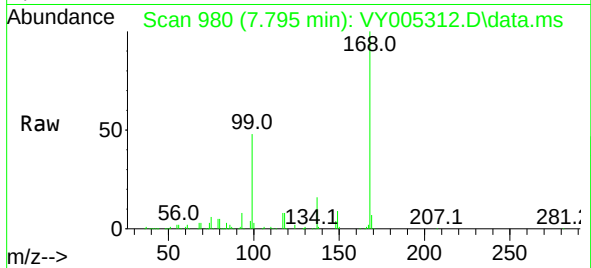




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.006 min
Lab File: VY005312.D
Acq: 01 Jul 2021 14:28

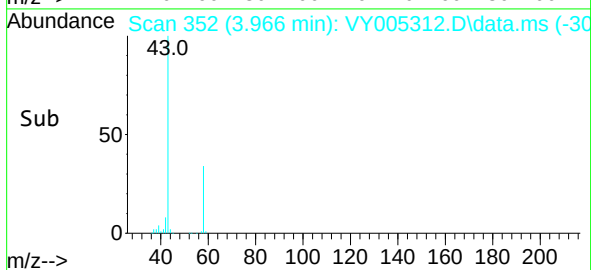
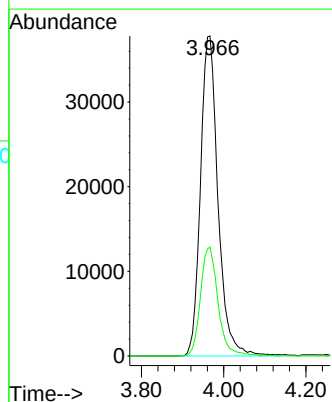
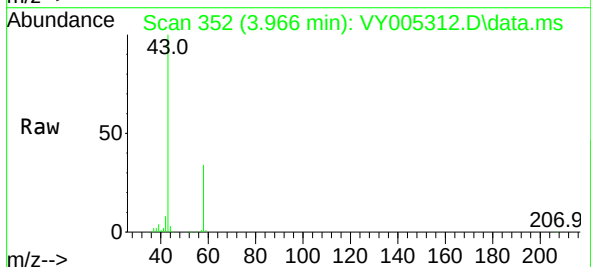
Instrument :
MSVOA_Y
ClientSampleId :
FS-01

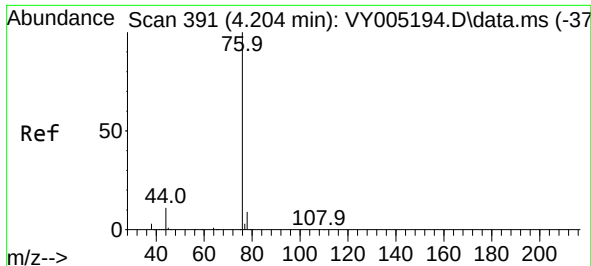
Tgt Ion:168 Resp: 195084
Ion Ratio Lower Upper
168 100
99 48.5 36.2 54.4



#16
Acetone
Concen: 298.919 ug/l
RT: 3.966 min Scan# 352
Delta R.T. 0.006 min
Lab File: VY005312.D
Acq: 01 Jul 2021 14:28

Tgt Ion: 43 Resp: 111793
Ion Ratio Lower Upper
43 100
58 34.0 28.2 42.2

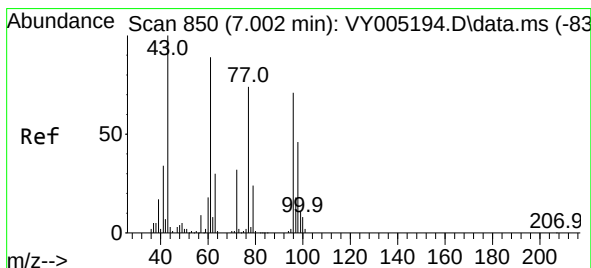
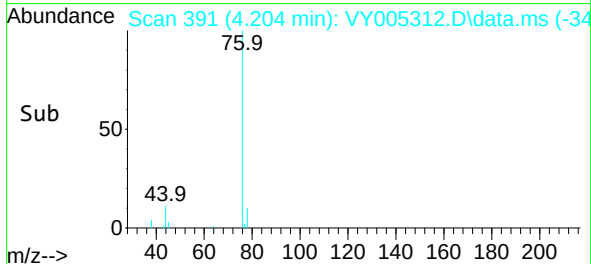
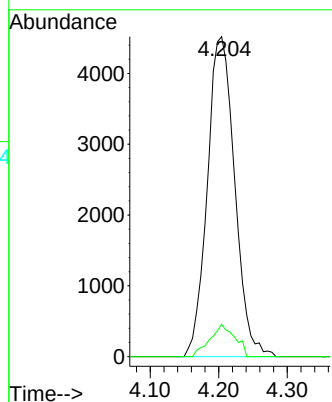
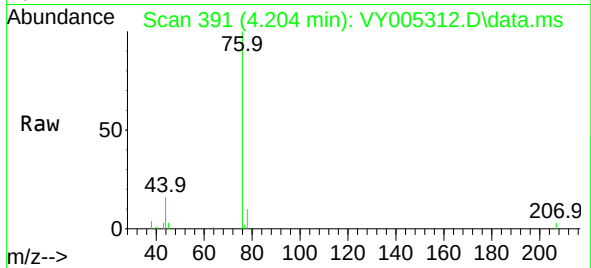




#17
Carbon Disulfide
Concen: 2.475 ug/l
RT: 4.204 min Scan# 391
Delta R.T. 0.000 min
Lab File: VY005312.D
Acq: 01 Jul 2021 14:28

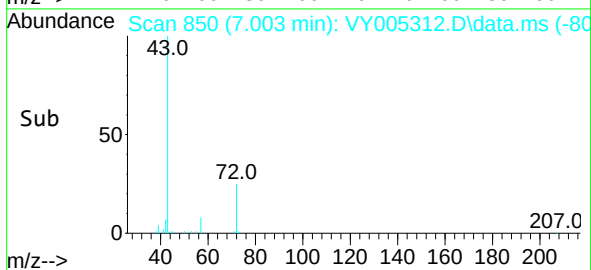
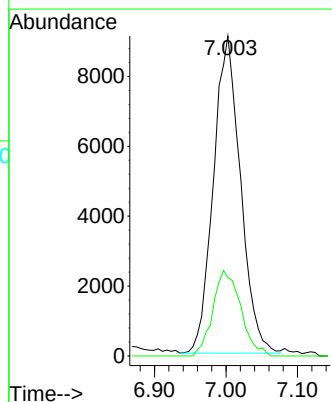
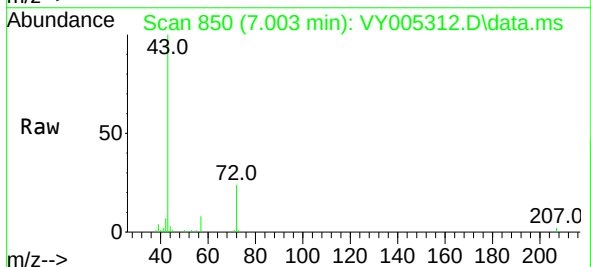
Instrument :
MSVOA_Y
ClientSampleId :
FS-01

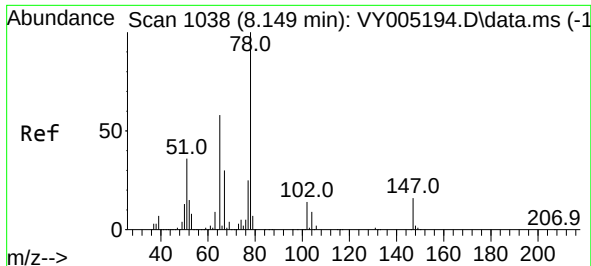
Tgt Ion: 76 Resp: 12571
Ion Ratio Lower Upper
76 100
78 10.1 7.3 10.9



#25
2-Butanone
Concen: 43.806 ug/l
RT: 7.003 min Scan# 850
Delta R.T. 0.000 min
Lab File: VY005312.D
Acq: 01 Jul 2021 14:28

Tgt Ion: 43 Resp: 23889
Ion Ratio Lower Upper
43 100
72 24.6 25.3 37.9#

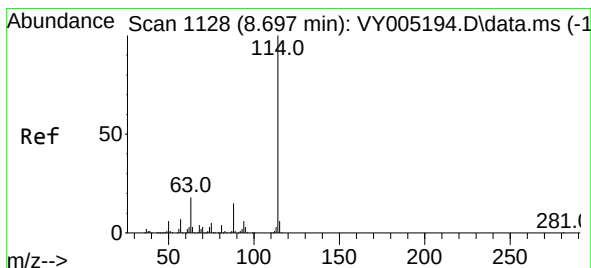
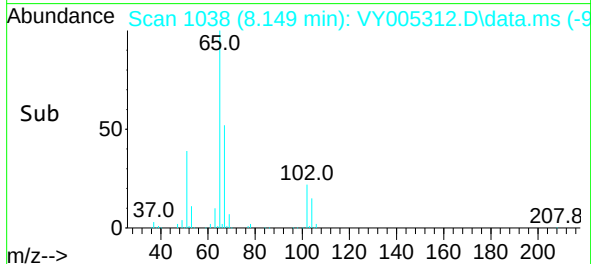
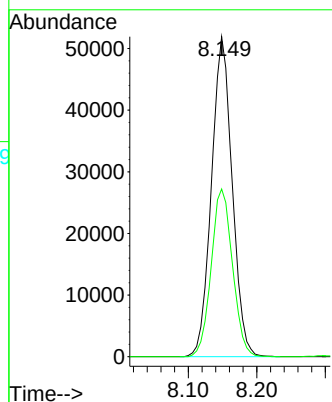
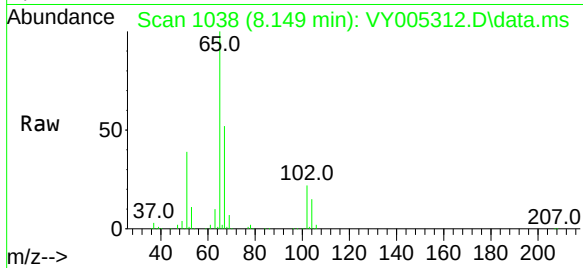




#33
 1,2-Dichloroethane-d4
 Concen: 67.321 ug/l
 RT: 8.149 min Scan# 1038
 Delta R.T. 0.000 min
 Lab File: VY005312.D
 Acq: 01 Jul 2021 14:28

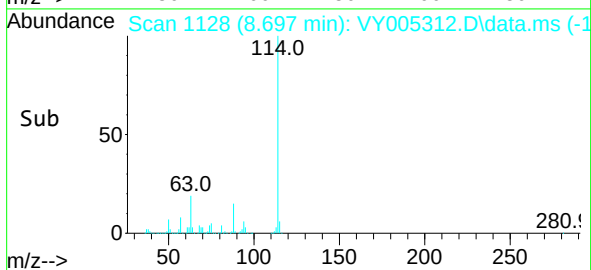
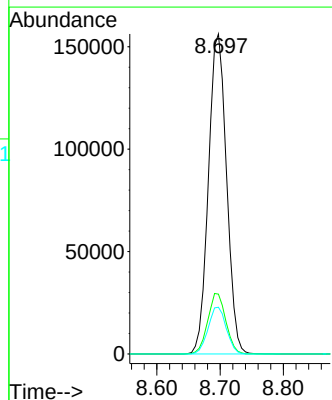
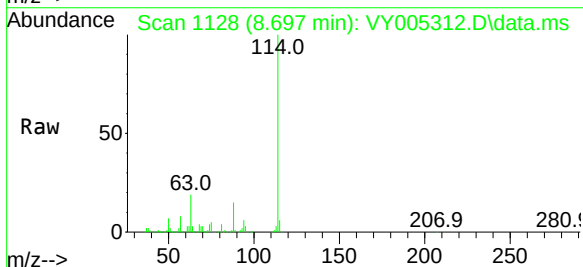
Instrument :
 MSVOA_Y
 ClientSampled :
 FS-01

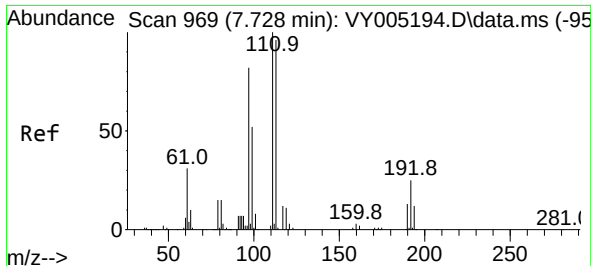
Tgt Ion: 65 Resp: 108987
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.697 min Scan# 1128
 Delta R.T. 0.000 min
 Lab File: VY005312.D
 Acq: 01 Jul 2021 14:28

Tgt Ion: 114 Resp: 310800
 Ion Ratio Lower Upper
 114 100
 63 18.7 0.0 35.2
 88 14.6 0.0 29.4

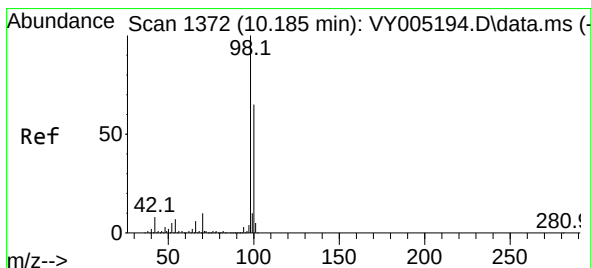
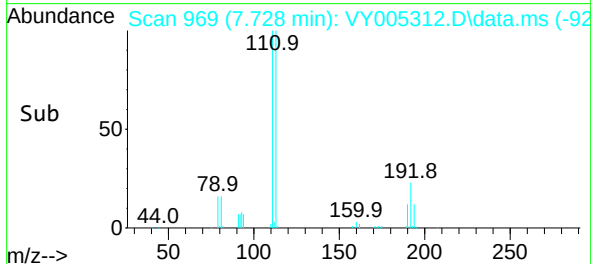
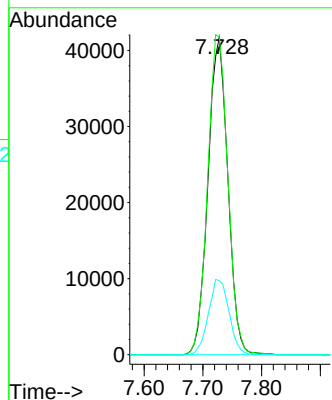
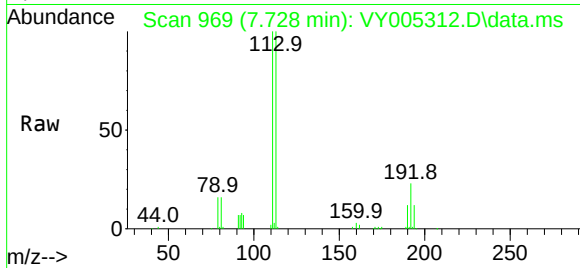




#35
Dibromofluoromethane
Concen: 53.505 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.000 min
Lab File: VY005312.D
Acq: 01 Jul 2021 14:28

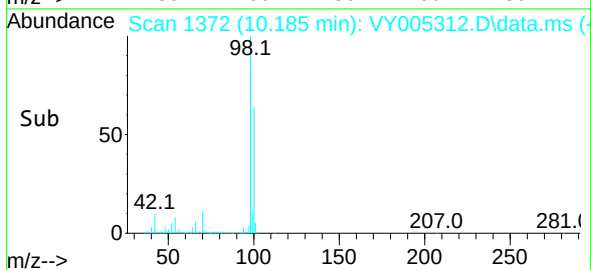
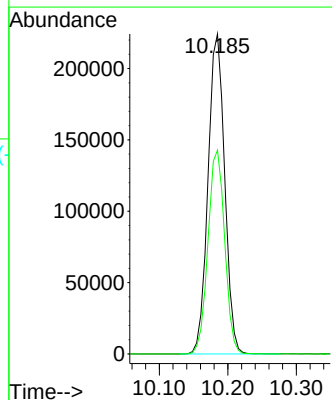
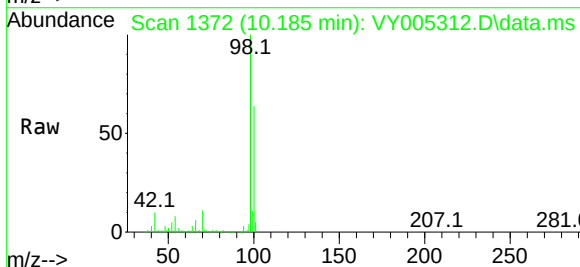
Instrument :
MSVOA_Y
ClientSampled :
FS-01

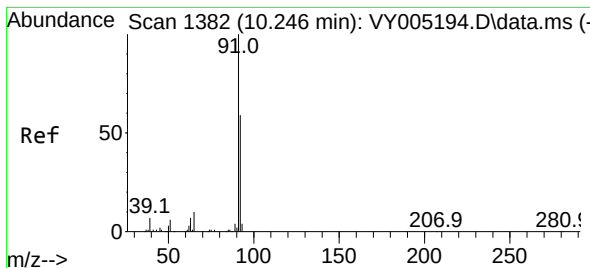
Tgt Ion:113 Resp: 98072
Ion Ratio Lower Upper
113 100
111 102.4 82.6 124.0
192 24.6 20.2 30.2



#50
Toluene-d8
Concen: 51.772 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY005312.D
Acq: 01 Jul 2021 14:28

Tgt Ion: 98 Resp: 379497
Ion Ratio Lower Upper
98 100
100 63.9 51.9 77.9

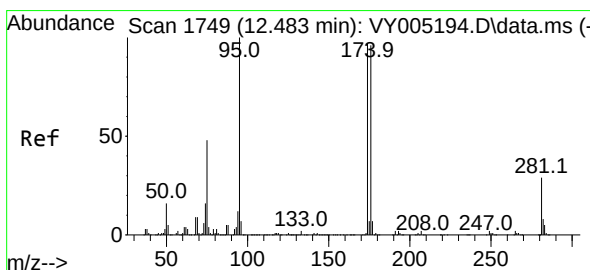
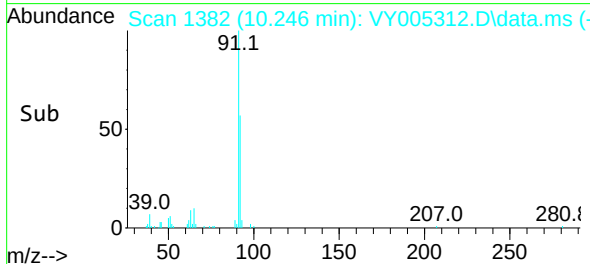
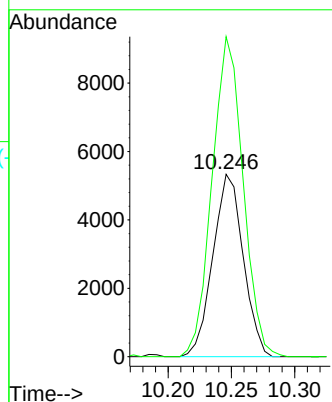
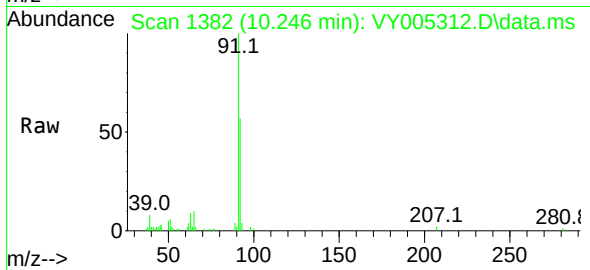




#52
Toluene
Concen: 1.726 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. 0.000 min
Lab File: VY005312.D
Acq: 01 Jul 2021 14:28

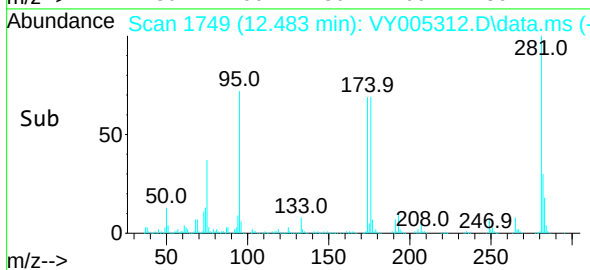
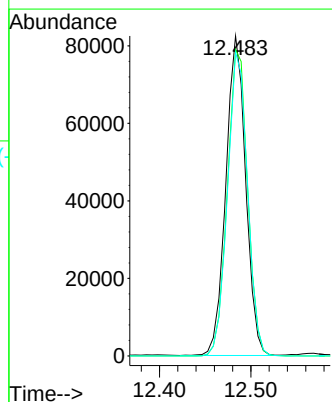
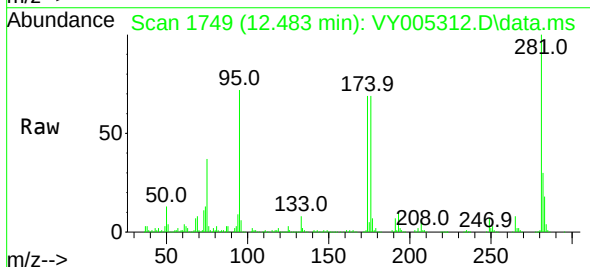
Instrument :
MSVOA_Y
ClientSampled :
FS-01

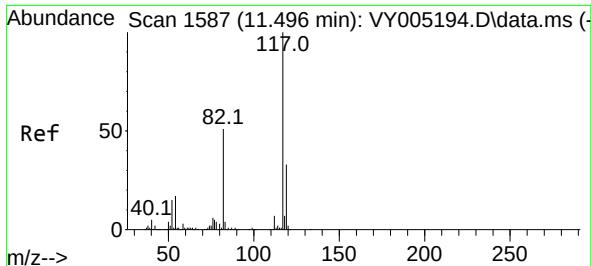
Tgt Ion: 92 Resp: 8901
Ion Ratio Lower Upper
92 100
91 178.7 138.3 207.5



#62
4-Bromofluorobenzene
Concen: 50.922 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY005312.D
Acq: 01 Jul 2021 14:28

Tgt Ion: 95 Resp: 124384
Ion Ratio Lower Upper
95 100
174 97.5 0.0 201.6
176 95.9 0.0 197.4

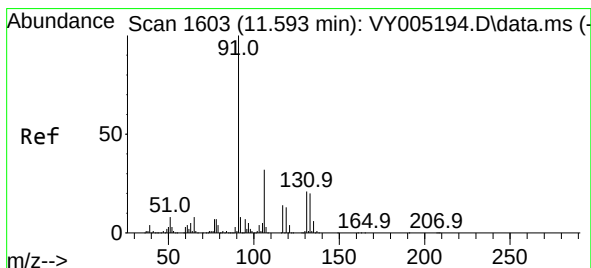
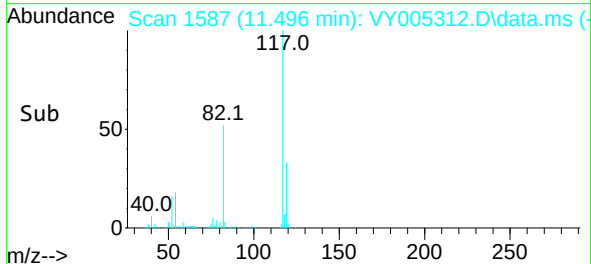
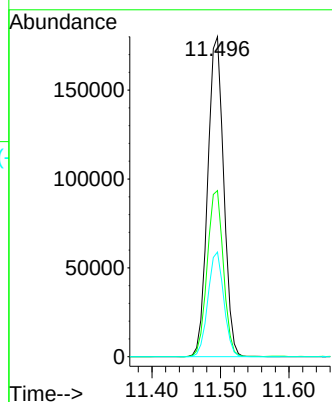
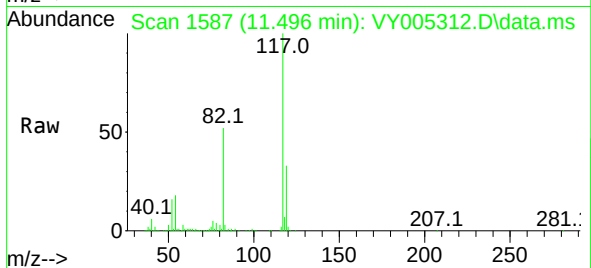




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VY005312.D
Acq: 01 Jul 2021 14:28

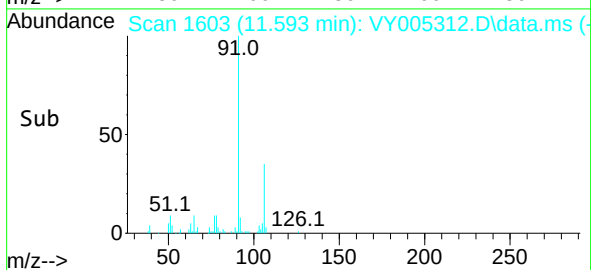
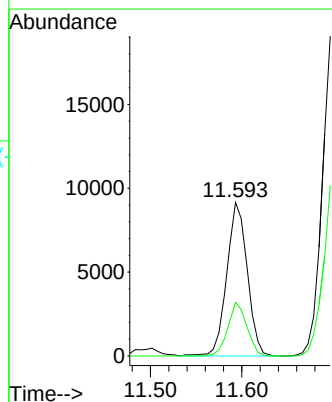
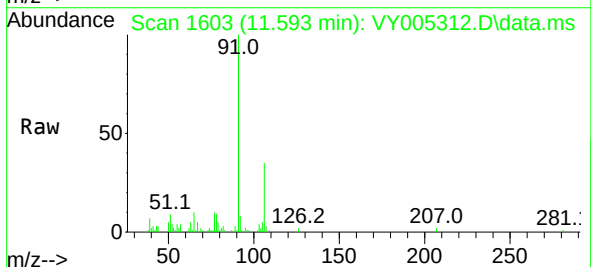
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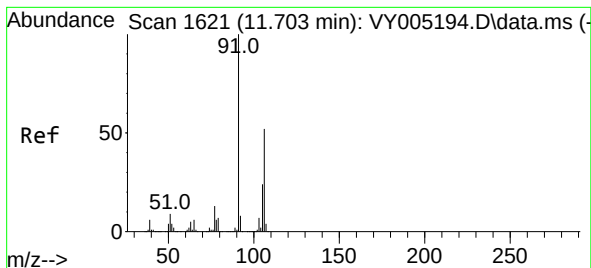
Tgt Ion:117 Resp: 292047
Ion Ratio Lower Upper
117 100
82 51.9 40.6 60.8
119 32.7 26.1 39.1



#67
Ethyl Benzene
Concen: 1.431 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. 0.000 min
Lab File: VY005312.D
Acq: 01 Jul 2021 14:28

Tgt Ion: 91 Resp: 14279
Ion Ratio Lower Upper
91 100
106 35.0 25.8 38.6

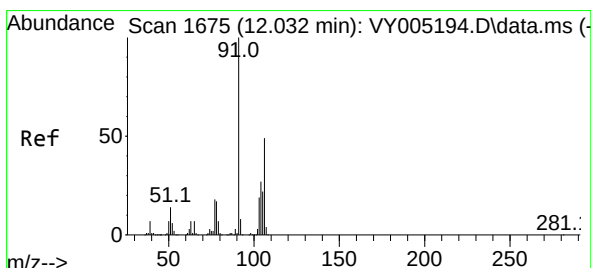
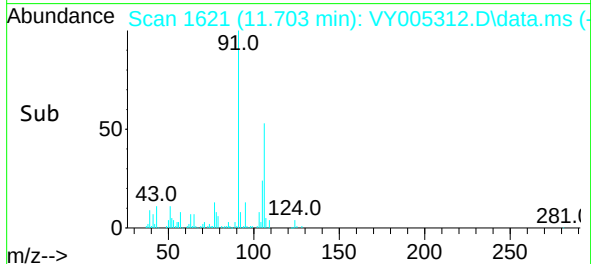
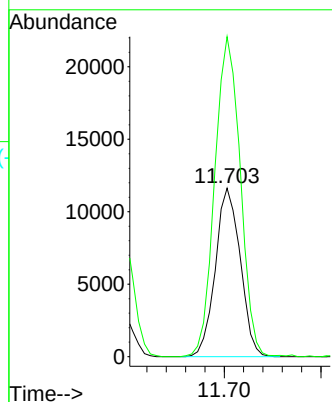
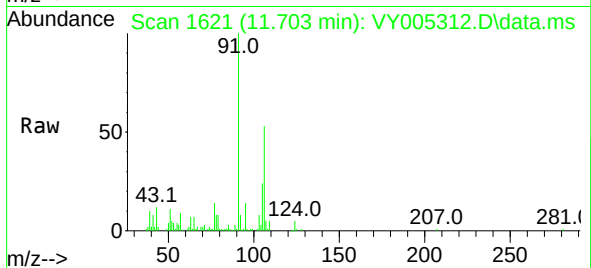




#68
m/p-Xylenes
Concen: 5.196 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. 0.000 min
Lab File: VY005312.D
Acq: 01 Jul 2021 14:28

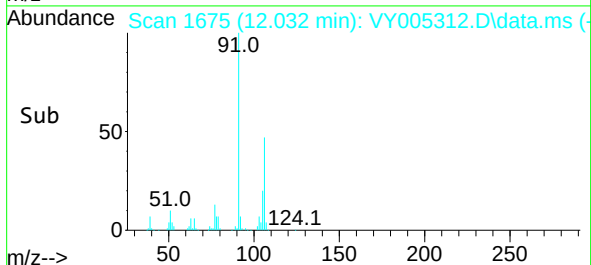
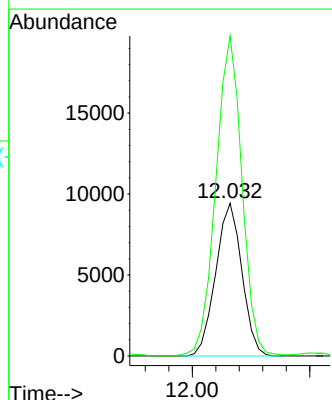
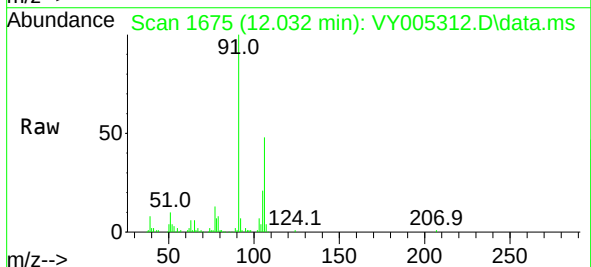
Instrument :
MSVOA_Y
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FS-01

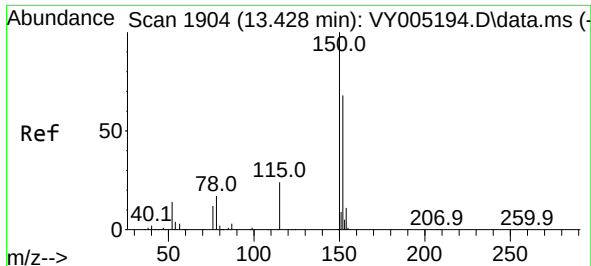
Tgt Ion:106 Resp: 20780
Ion Ratio Lower Upper
106 100
91 195.2 154.8 232.2



#69
o-Xylene
Concen: 3.847 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VY005312.D
Acq: 01 Jul 2021 14:28

Tgt Ion:106 Resp: 14567
Ion Ratio Lower Upper
106 100
91 209.4 101.6 304.8

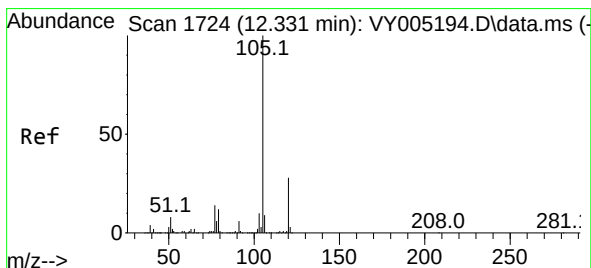
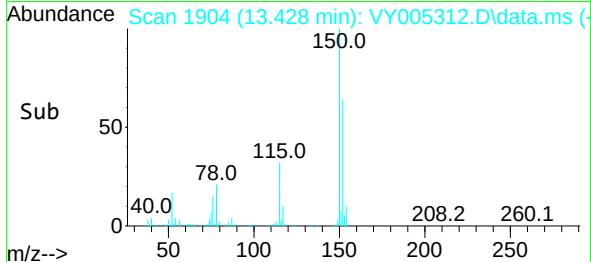
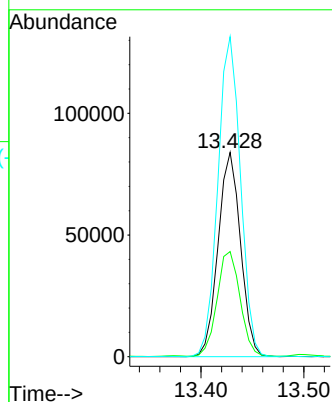
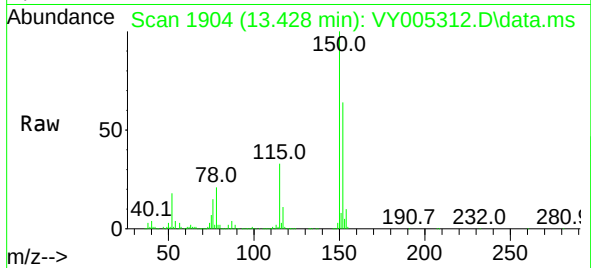




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY005312.D
Acq: 01 Jul 2021 14:28

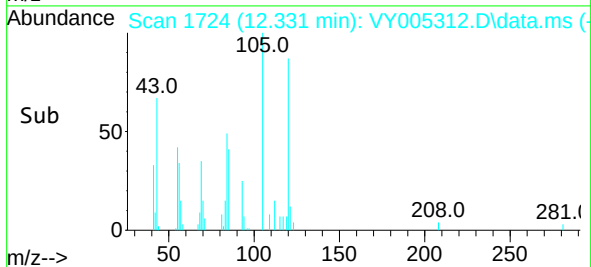
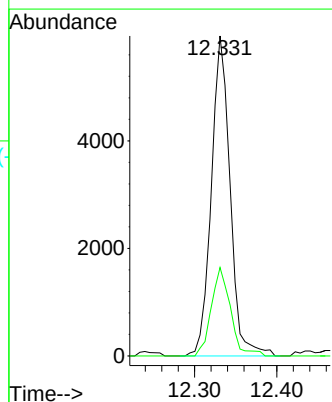
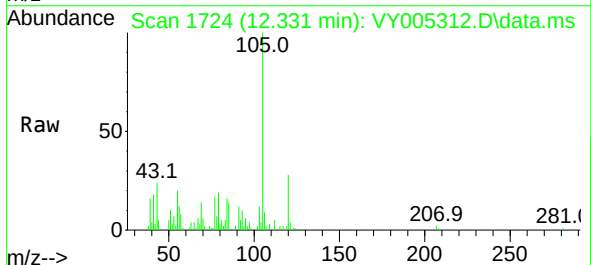
Instrument :
MSVOA_Y
ClientSampled :
FS-01

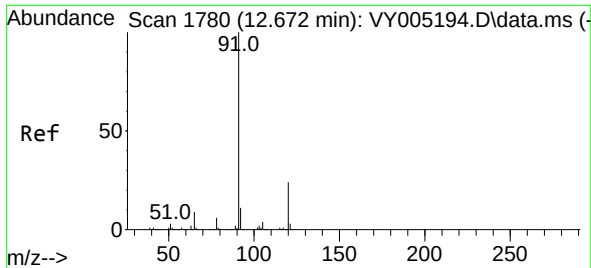
Tgt Ion:152 Resp: 127224
Ion Ratio Lower Upper
152 100
115 52.5 26.3 78.8
150 157.8 0.0 344.2



#73
Isopropylbenzene
Concen: 1.144 ug/l
RT: 12.331 min Scan# 1724
Delta R.T. 0.000 min
Lab File: VY005312.D
Acq: 01 Jul 2021 14:28

Tgt Ion:105 Resp: 9444
Ion Ratio Lower Upper
105 100
120 28.3 14.0 42.0

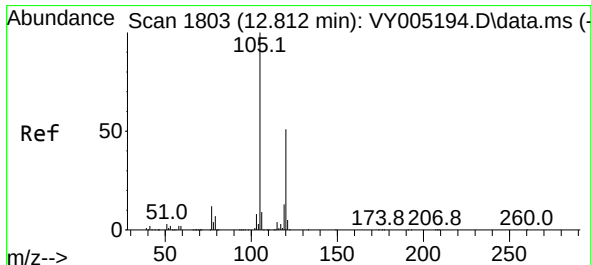
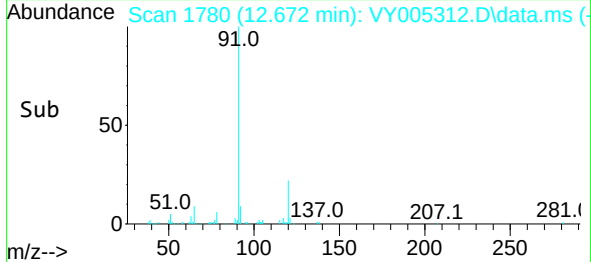
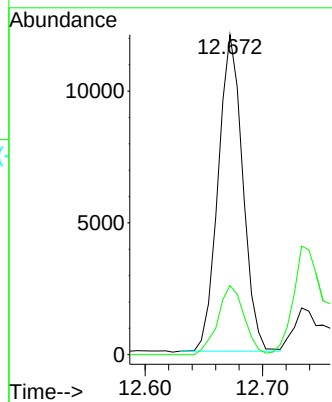
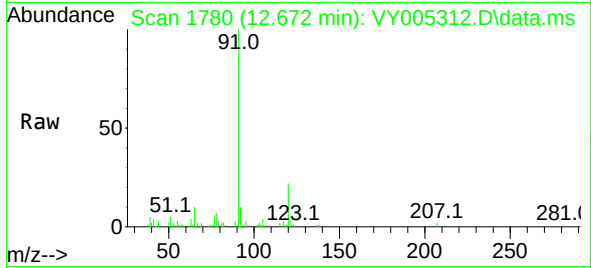




#78
n-propylbenzene
Concen: 1.790 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. 0.000 min
Lab File: VY005312.D
Acq: 01 Jul 2021 14:28

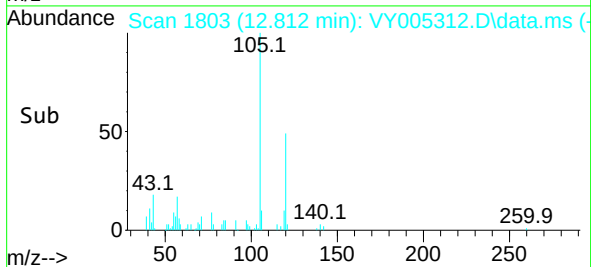
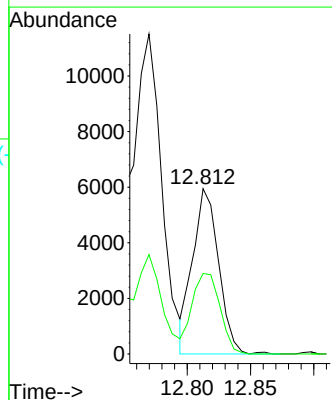
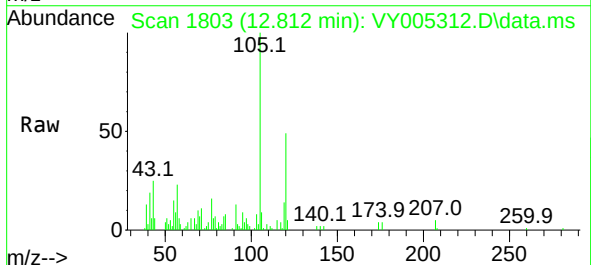
Instrument :
MSVOA_Y
ClientSampled :
FS-01

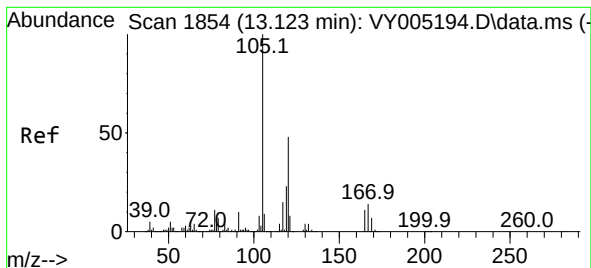
Tgt Ion: 91 Resp: 17421
Ion Ratio Lower Upper
91 100
120 23.4 12.4 37.0



#80
1,3,5-Trimethylbenzene
Concen: 1.242 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VY005312.D
Acq: 01 Jul 2021 14:28

Tgt Ion: 105 Resp: 8480
Ion Ratio Lower Upper
105 100
120 52.6 25.9 77.7





#84

1,2,4-Trimethylbenzene

Concen: 4.392 ug/l

RT: 13.123 min Scan# 1854

Delta R.T. 0.000 min

Lab File: VY005312.D

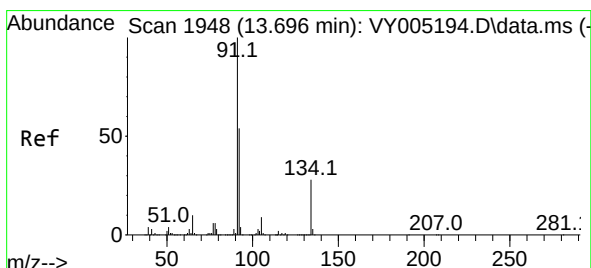
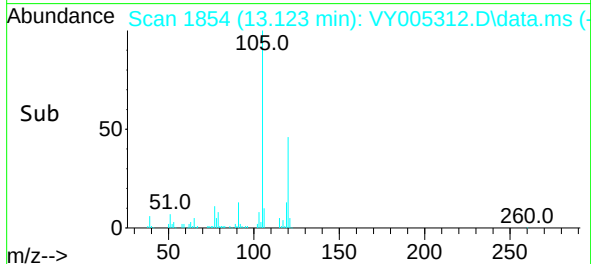
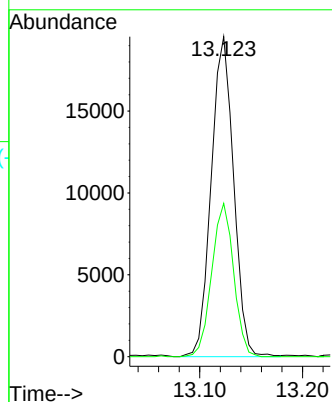
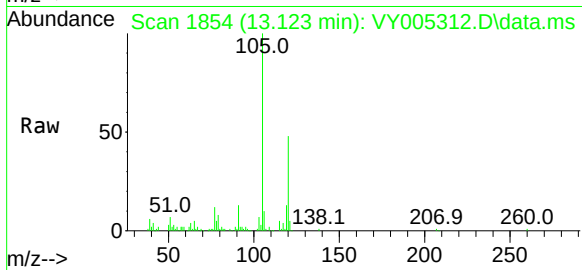
Acq: 01 Jul 2021 14:28

Tgt Ion:105 Resp: 29641

Ion Ratio Lower Upper

105 100

120 46.7 23.6 71.0



#89

n-Butylbenzene

Concen: 2.367 ug/l

RT: 13.696 min Scan# 1948

Delta R.T. 0.000 min

Lab File: VY005312.D

Acq: 01 Jul 2021 14:28

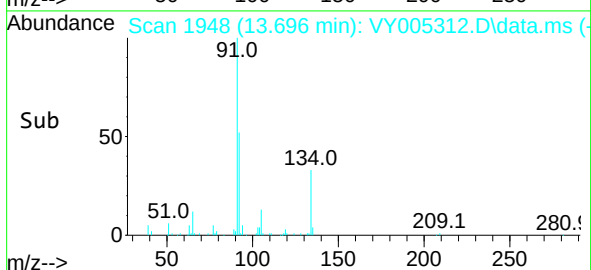
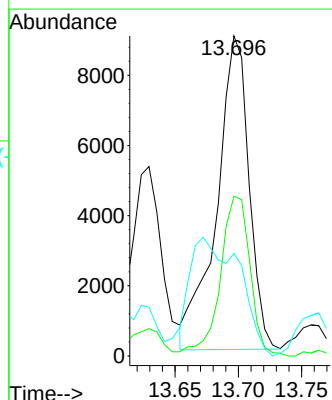
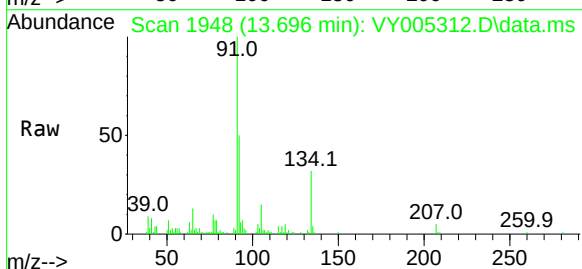
Tgt Ion: 91 Resp: 15882

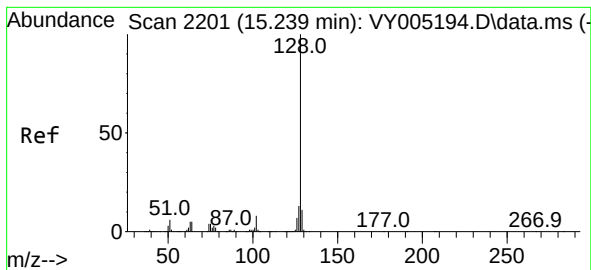
Ion Ratio Lower Upper

91 100

92 46.8 27.0 81.0

134 0.0 14.6 44.0#





#95
Naphthalene
Concen: 4.844 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.000 min
Lab File: VY005312.D
Acq: 01 Jul 2021 14:28

Instrument :
MSVOA_Y
ClientSampleId :
FS-01

Tgt Ion:128 Resp: 23350
Ion Ratio Lower Upper
128 100
127 15.2 10.2 15.4
129 12.5 8.7 13.1

