

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)

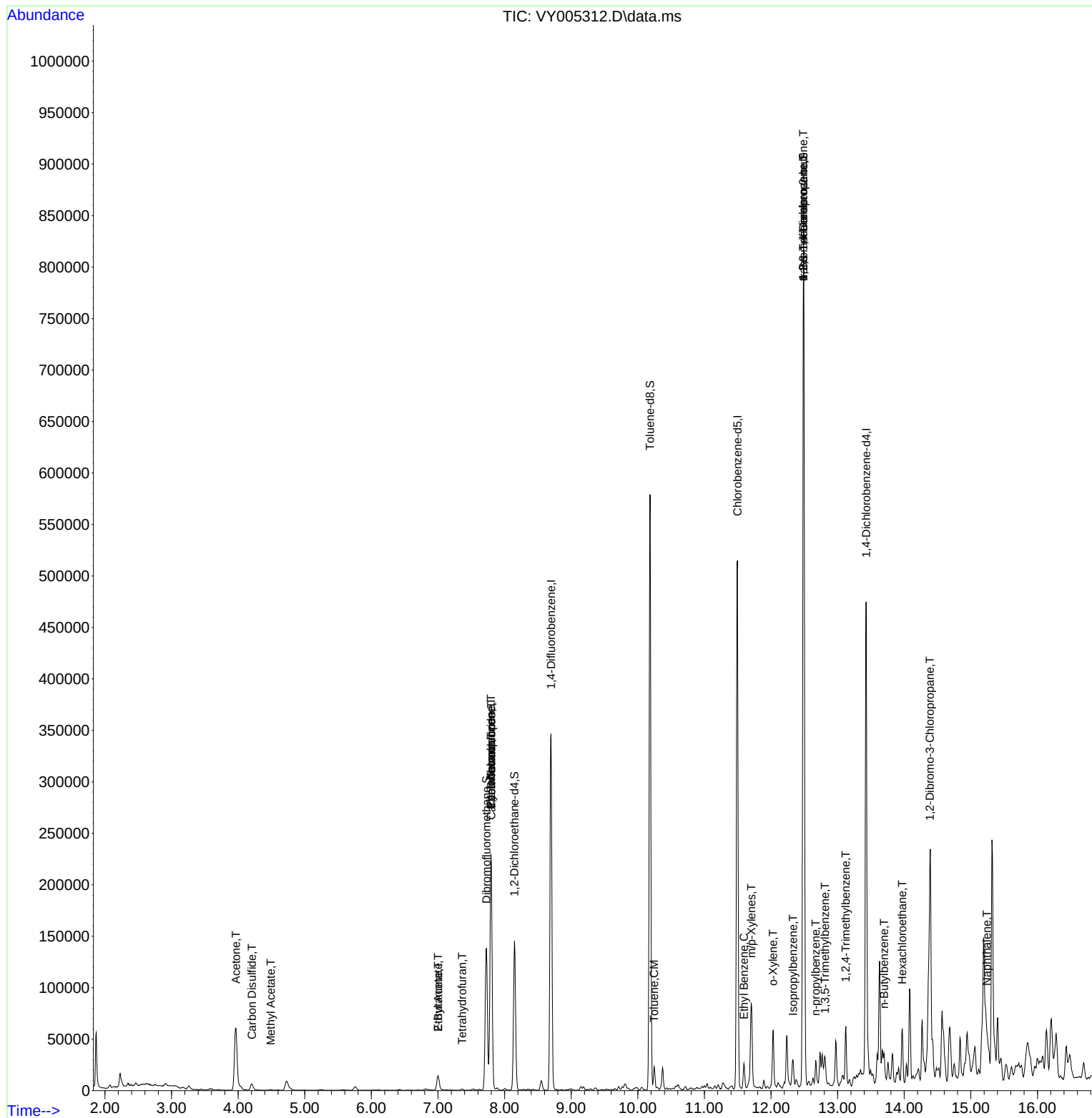
Internal Standards						
1) Pentafluorobenzene	7.795	168	195084	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	310800	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	292047	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	127224	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	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	
11) Tert butyl alcohol	4.960	59	227	Below Cal	#	77
16) Acetone	3.966	43	111793	298.919	ug/l	98
17) Carbon Disulfide	4.204	76	12571	2.475	ug/l	97
18) Methyl Acetate	4.491	43	1292	1.300	ug/l #	69
20) Methylene Chloride	4.729	84	6466	Below Cal		94
25) 2-Butanone	7.003	43	23889	43.806	ug/l #	87
29) Tetrahydrofuran	7.362	42	660	1.839	ug/l #	82
31) Cyclohexane	7.795	56	3792	1.312	ug/l #	1
36) 1,1-Dichloropropene	7.795	75	12400	4.531	ug/l #	47
37) Ethyl Acetate	7.003	43	23889	16.927	ug/l #	65
38) Carbon Tetrachloride	7.801	117	16399	5.724	ug/l #	16
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
76) 1,2,3-Trichloropropane	12.483	75	64421	57.094	ug/l #	100
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
81) trans-1,4-Dichloro-2-b...	12.483	75	64421	106.524	ug/l #	19
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
90) Hexachloroethane	13.971	117	2342	1.697	ug/l #	1
92) 1,2-Dibromo-3-Chloropr...	14.385	75	5870	21.674	ug/l #	1
95) Naphthalene	15.239	128	23350	4.844	ug/l	95

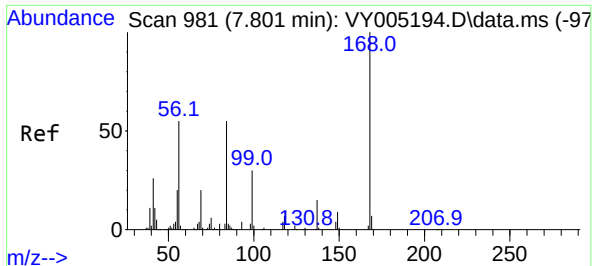
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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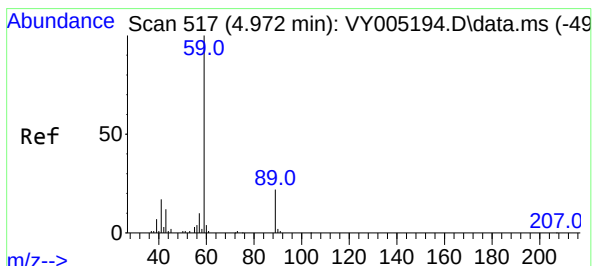
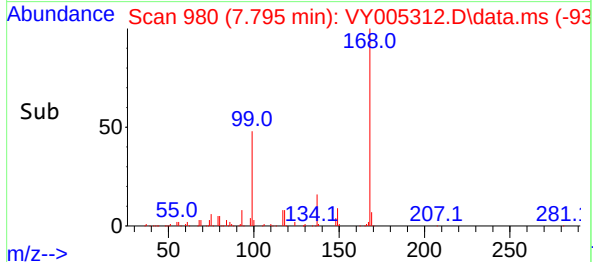
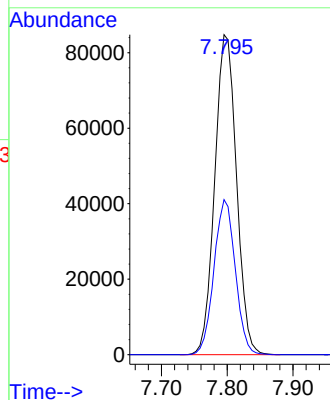
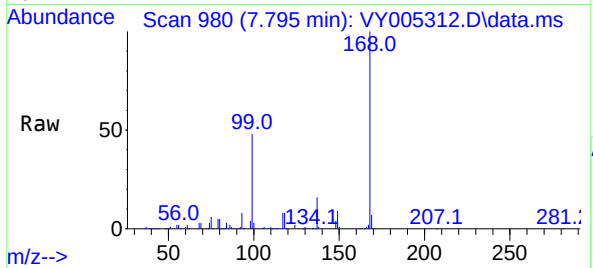




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.006 min
Lab File: VY005312.D
Acq: 01 Jul 2021 14:28

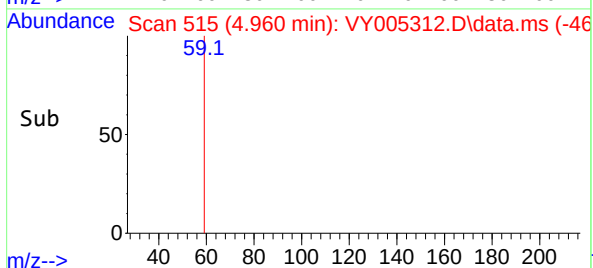
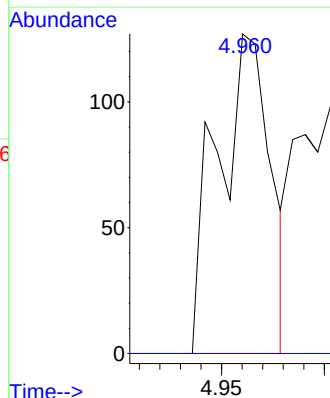
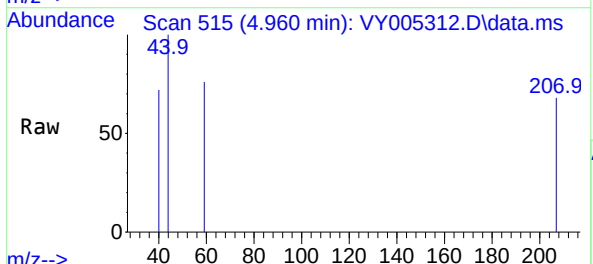
Instrument :
MSVOA_Y
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FS-01

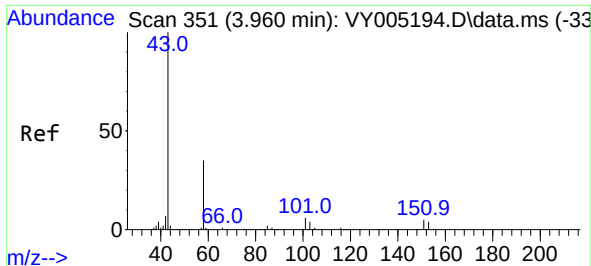
Tgt Ion:168 Resp: 195084
Ion Ratio Lower Upper
168 100
99 48.5 36.2 54.4



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.960 min Scan# 515
Delta R.T. -0.012 min
Lab File: VY005312.D
Acq: 01 Jul 2021 14:28

Tgt Ion: 59 Resp: 227
Ion Ratio Lower Upper
59 100
57 0.0 6.5 9.7#

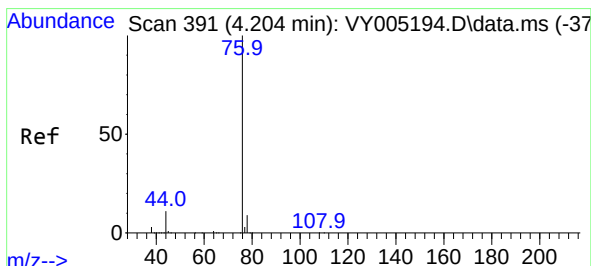
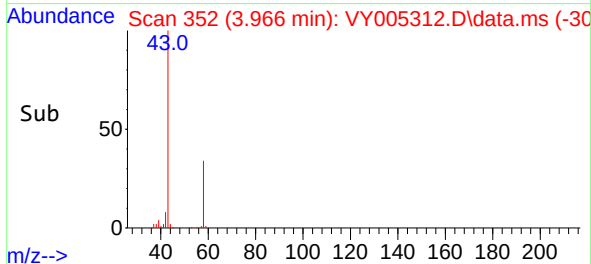
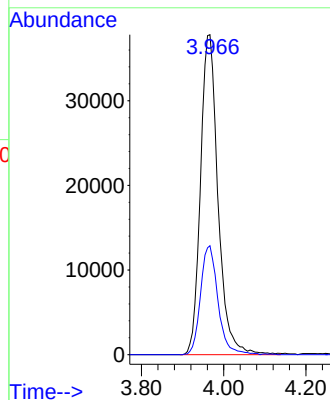
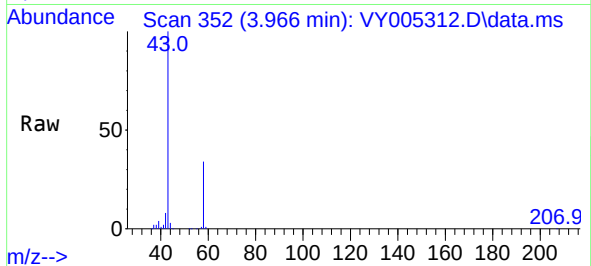




#16
Acetone
Concen: 298.919 ug/l
RT: 3.966 min Scan# 352
Delta R.T. 0.006 min
Lab File: VY005312.D
Acq: 01 Jul 2021 14:28

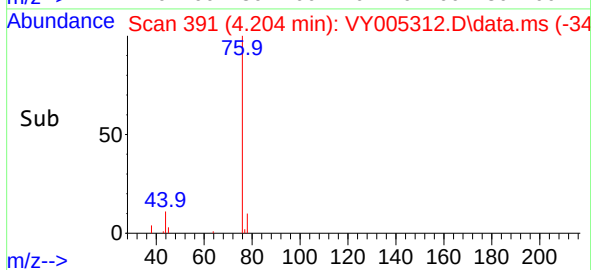
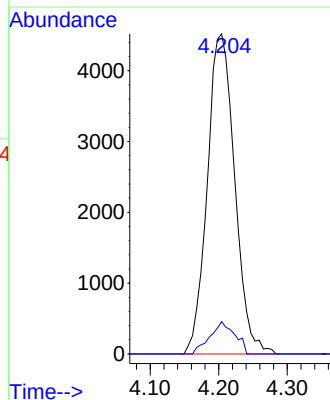
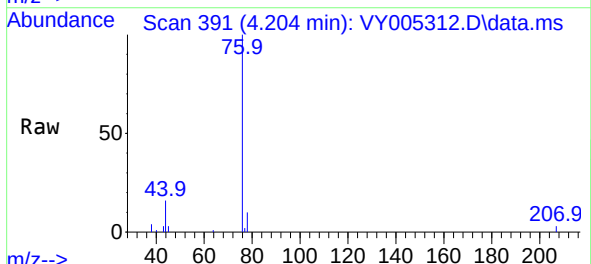
Instrument :
MSVOA_Y
ClientSampleId :
FS-01

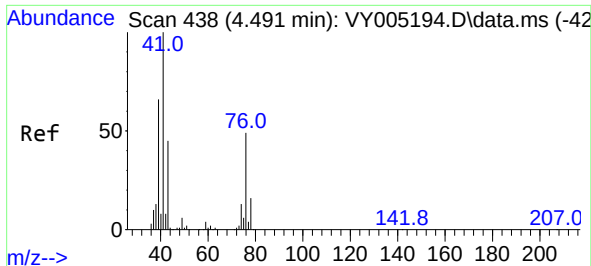
Tgt Ion: 43 Resp: 111793
Ion Ratio Lower Upper
43 100
58 34.0 28.2 42.2



#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

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

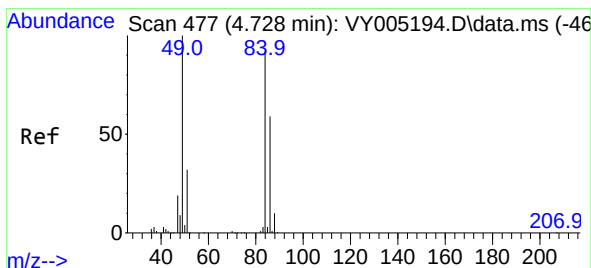
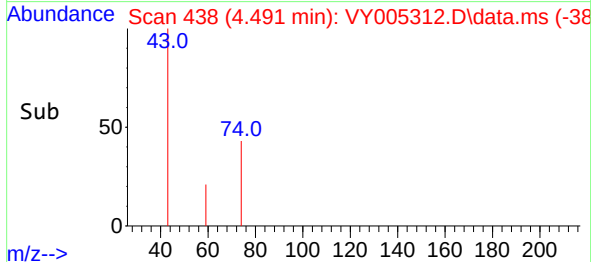
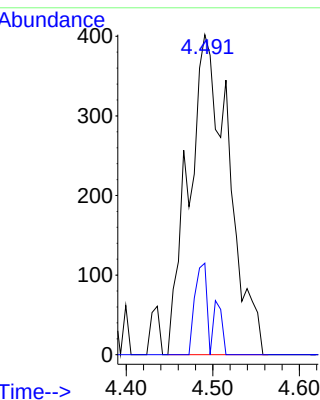
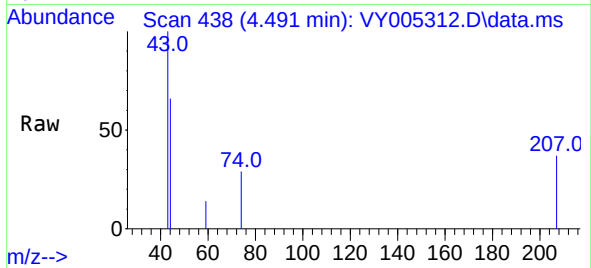




#18
Methyl Acetate
Concen: 1.300 ug/l
RT: 4.491 min Scan# 438
Delta R.T. 0.000 min
Lab File: VY005312.D
Acq: 01 Jul 2021 14:28

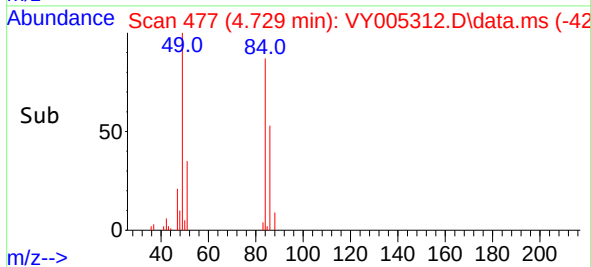
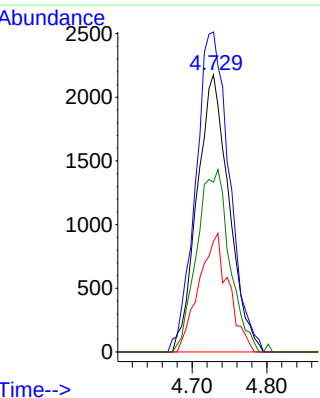
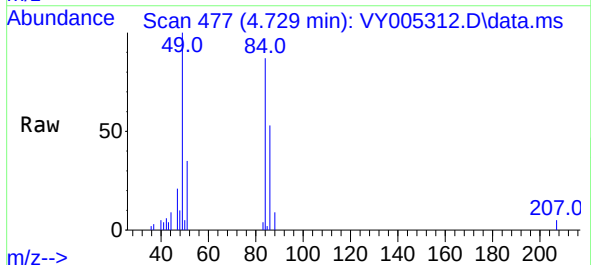
Instrument :
MSVOA_Y
ClientSampled :
FS-01

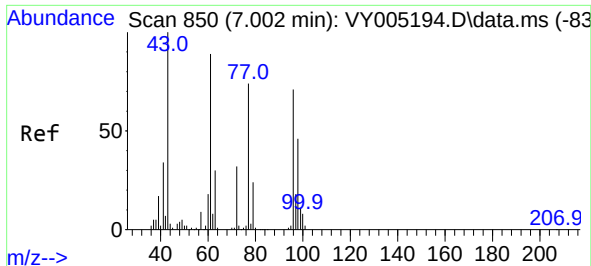
Tgt Ion: 43 Resp: 1292
Ion Ratio Lower Upper
43 100
74 11.9 22.5 33.7#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.729 min Scan# 477
Delta R.T. 0.001 min
Lab File: VY005312.D
Acq: 01 Jul 2021 14:28

Tgt Ion: 84 Resp: 6466
Ion Ratio Lower Upper
84 100
49 115.4 86.9 130.3
51 39.9 27.4 41.2
86 61.2 51.0 76.6

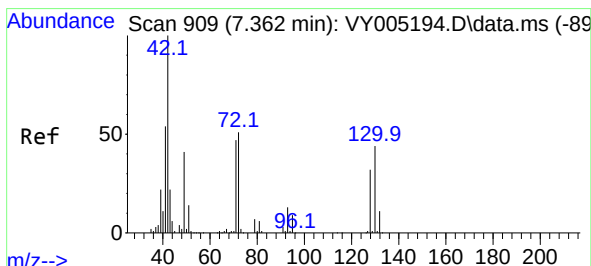
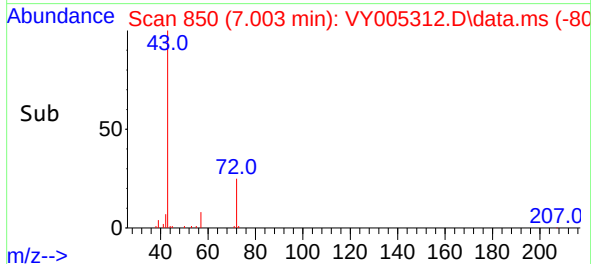
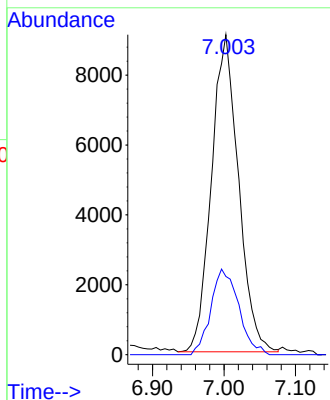
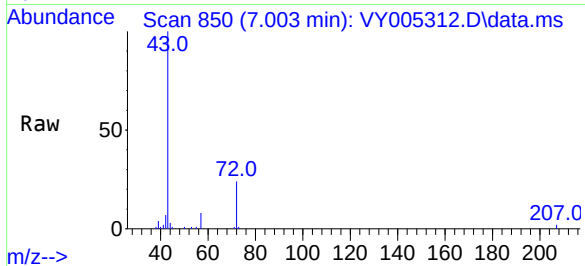




#25
2-Butanone
Concen: 43.806 ug/l
RT: 7.003 min Scan# 850
Delta R.T. 0.000 min
Lab File: VY005312.D
Acq: 01 Jul 2021 14:28

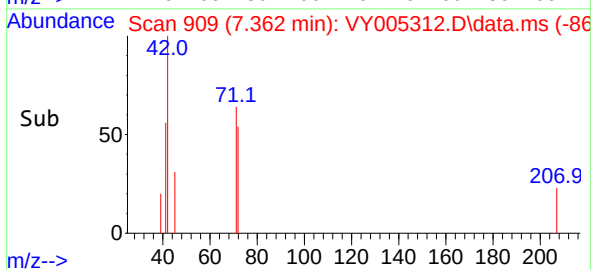
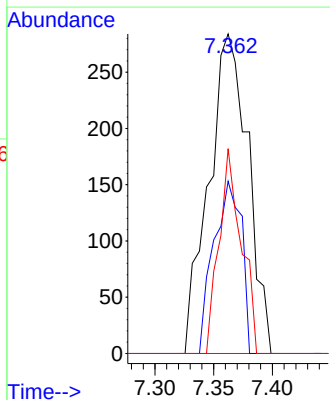
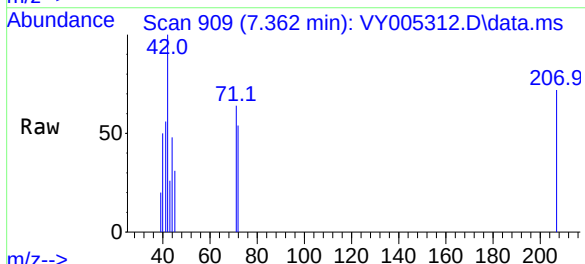
Instrument :
MSVOA_Y
ClientSampleId :
FS-01

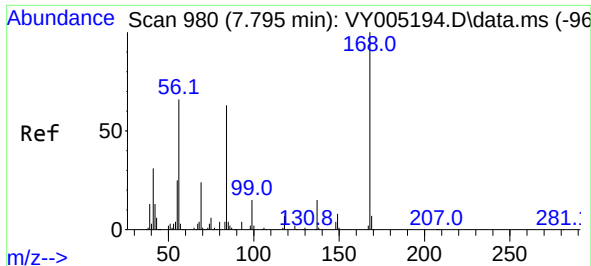
Tgt Ion: 43 Resp: 23889
Ion Ratio Lower Upper
43 100
72 24.6 25.3 37.9#



#29
Tetrahydrofuran
Concen: 1.839 ug/l
RT: 7.362 min Scan# 909
Delta R.T. 0.000 min
Lab File: VY005312.D
Acq: 01 Jul 2021 14:28

Tgt Ion: 42 Resp: 660
Ion Ratio Lower Upper
42 100
72 38.0 40.9 61.3#
71 36.5 37.9 56.9#

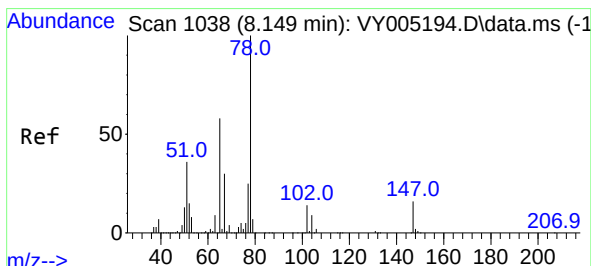
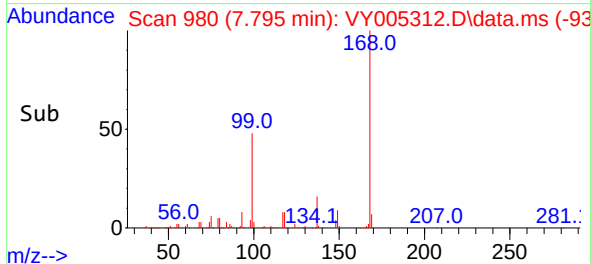
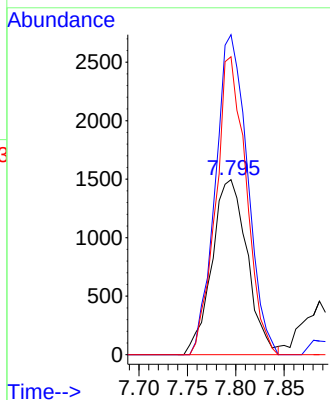
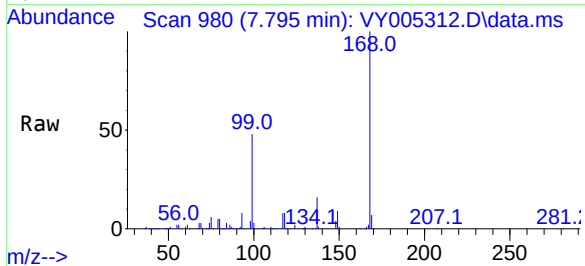




#31
Cyclohexane
Concen: 1.312 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.000 min
Lab File: VY005312.D
Acq: 01 Jul 2021 14:28

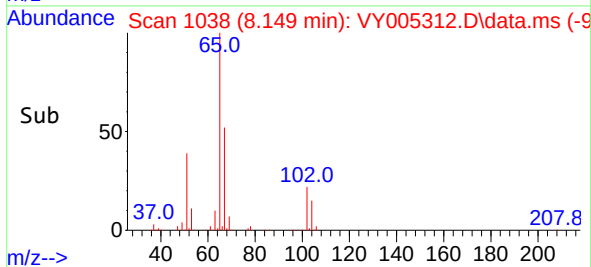
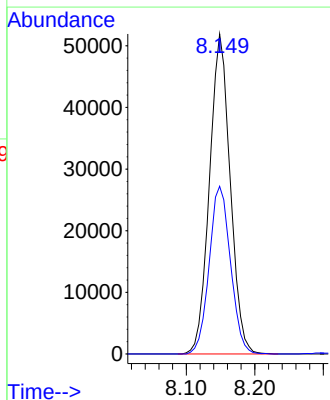
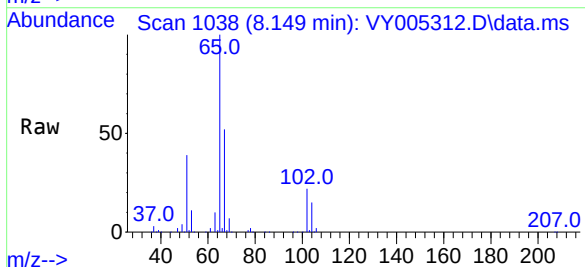
Instrument :
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ClientSampled :
FS-01

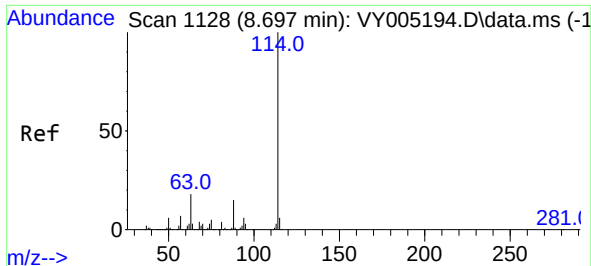
Tgt Ion: 56 Resp: 3792
Ion Ratio Lower Upper
56 100
69 182.8 29.6 44.4#
84 170.3 76.4 114.6#



#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

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

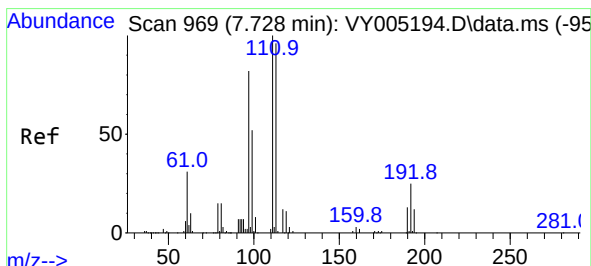
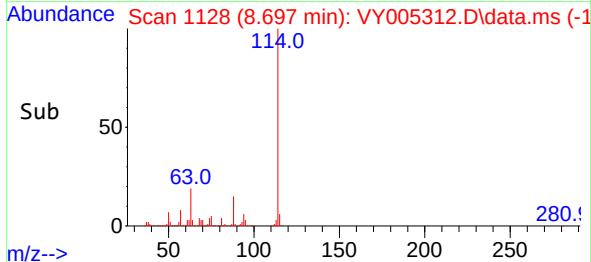
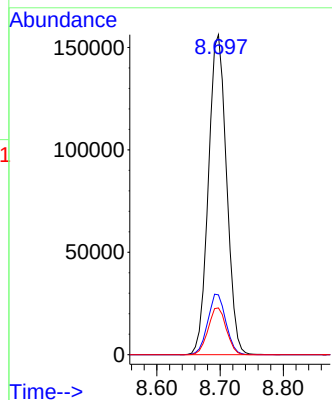
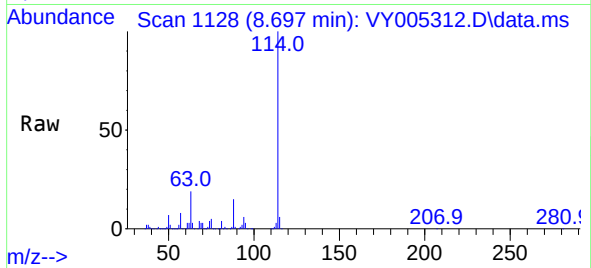




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY005312.D
Acq: 01 Jul 2021 14:28

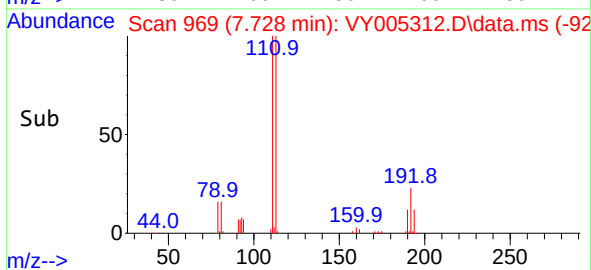
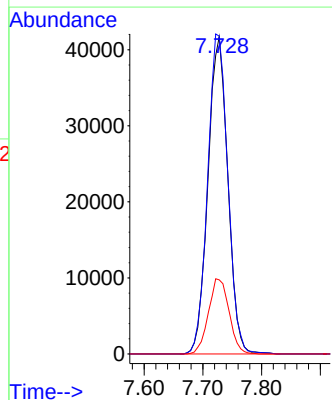
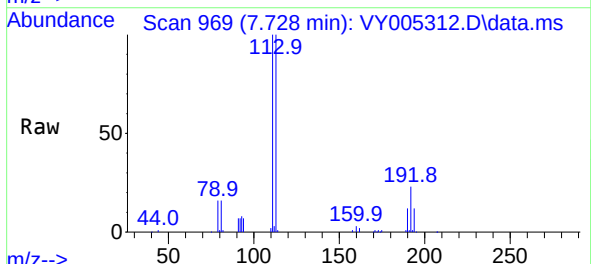
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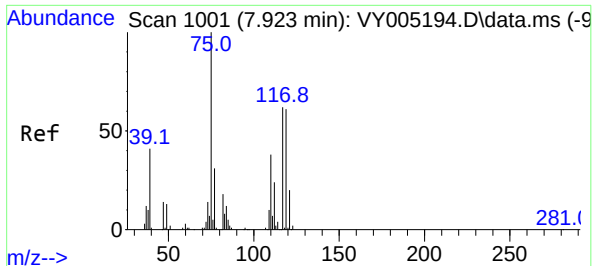
Tgt Ion:114 Resp: 310800
Ion Ratio Lower Upper
114 100
63 18.7 0.0 35.2
88 14.6 0.0 29.4



#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

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

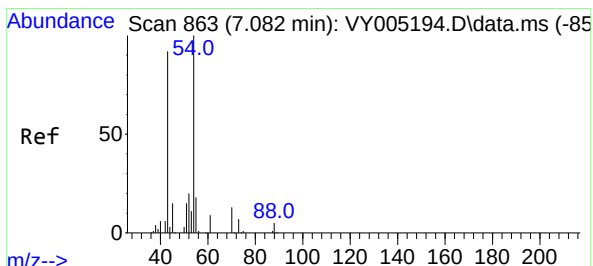
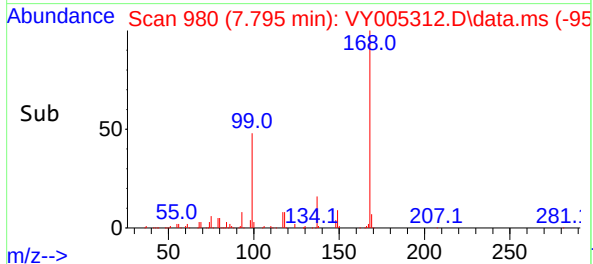
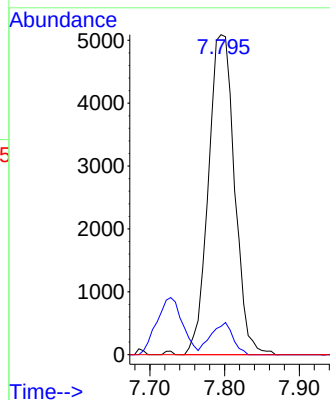
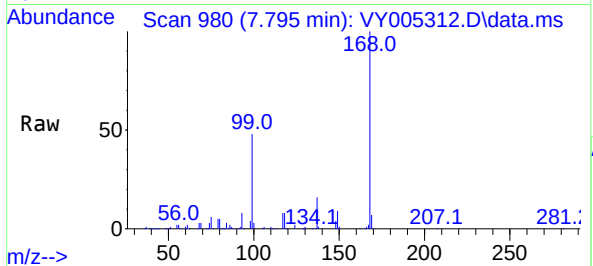




#36
1,1-Dichloropropene
Concen: 4.531 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY005312.D
Acq: 01 Jul 2021 14:28

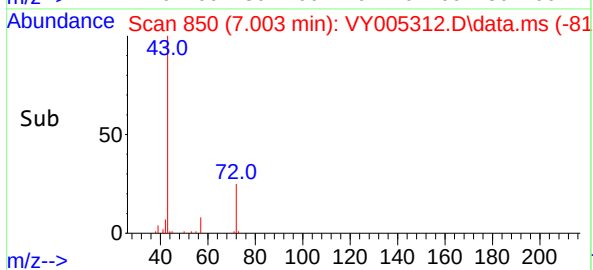
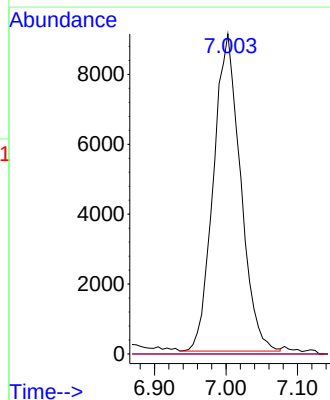
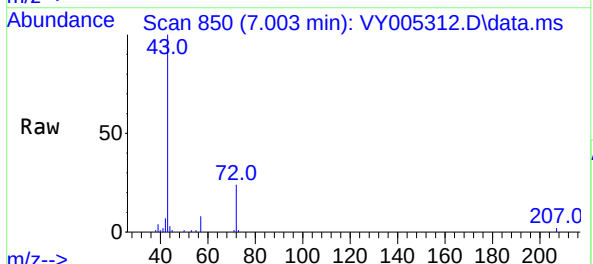
Instrument :
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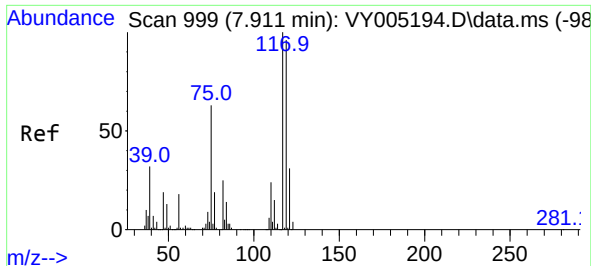
Tgt Ion: 75 Resp: 12400
Ion Ratio Lower Upper
75 100
110 8.5 19.1 57.5#
77 0.0 25.2 37.8#



#37
Ethyl Acetate
Concen: 16.927 ug/l
RT: 7.003 min Scan# 850
Delta R.T. -0.079 min
Lab File: VY005312.D
Acq: 01 Jul 2021 14:28

Tgt Ion: 43 Resp: 23889
Ion Ratio Lower Upper
43 100
61 0.0 12.8 19.2#
70 0.0 9.7 14.5#

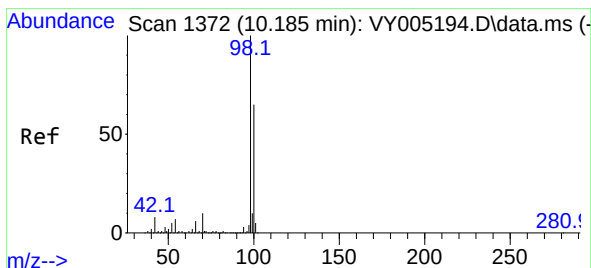
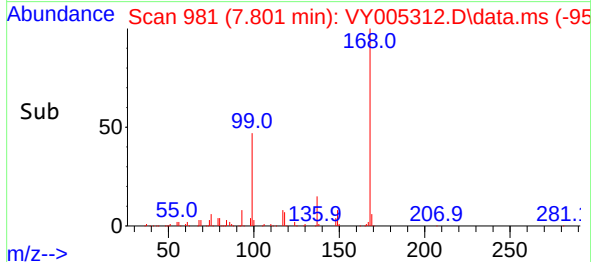
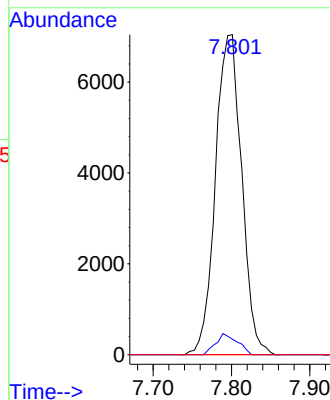
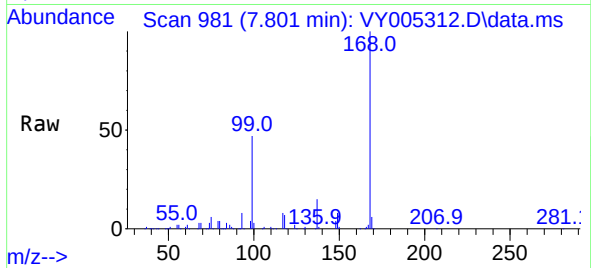




#38
Carbon Tetrachloride
Concen: 5.724 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.110 min
Lab File: VY005312.D
Acq: 01 Jul 2021 14:28

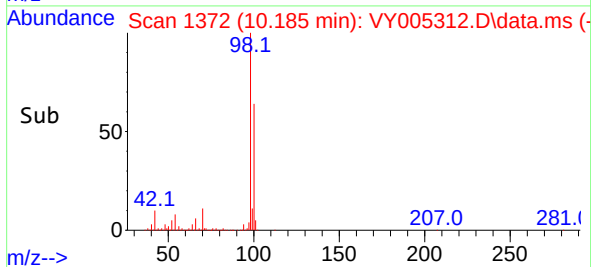
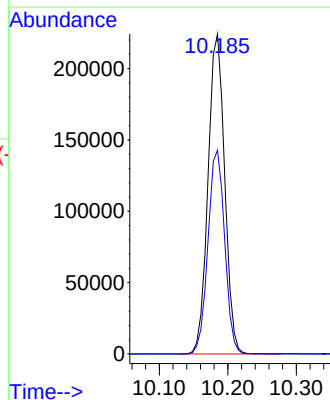
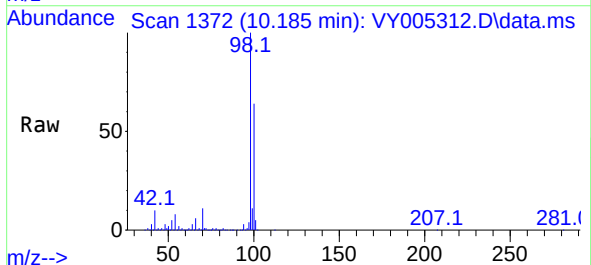
Instrument :
MSVOA_Y
ClientSampleId :
FS-01

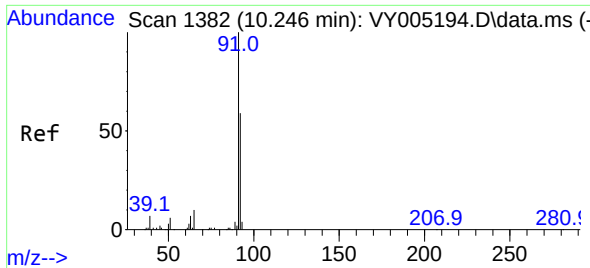
Tgt Ion:117 Resp: 16399
Ion Ratio Lower Upper
117 100
119 4.8 76.2 114.4#
121 0.0 24.7 37.1#



#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

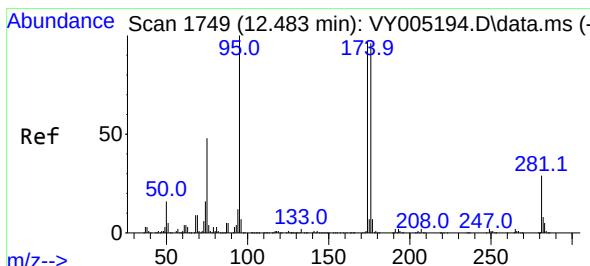
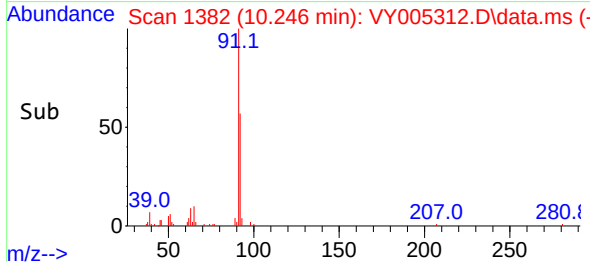
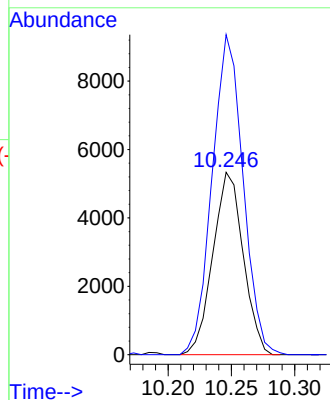
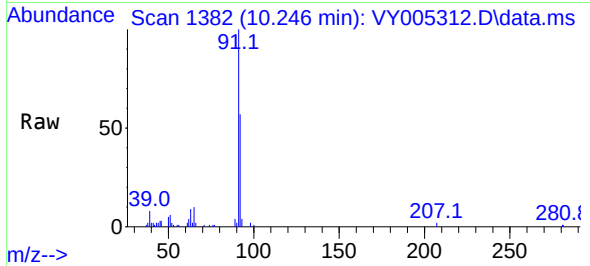




#52
Toluene
Concen: 1.726 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. 0.000 min
Lab File: VY005312.D
Acq: 01 Jul 2021 14:28

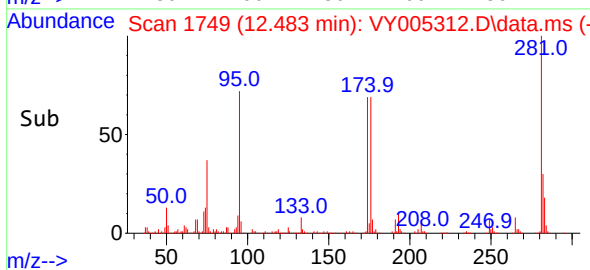
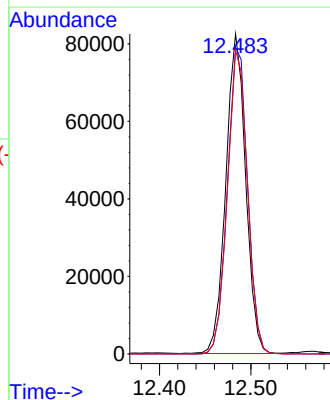
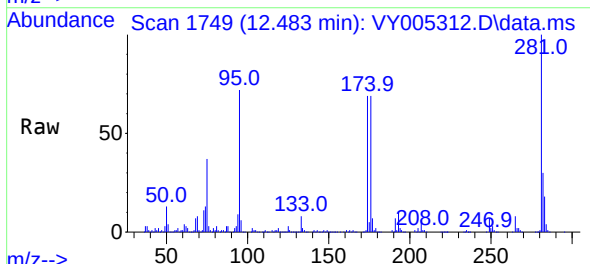
Instrument :
MSVOA_Y
ClientSampled :
FS-01

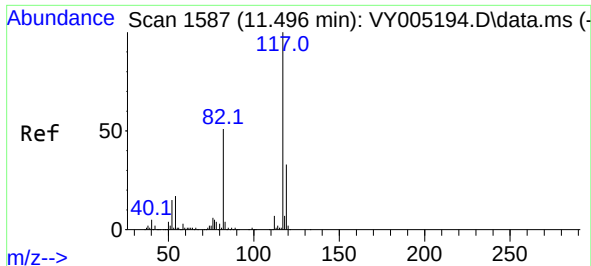
Tgt Ion: 92 Resp: 8901
Ion Ratio Lower Upper
92 100
91 178.7 138.3 207.5



#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

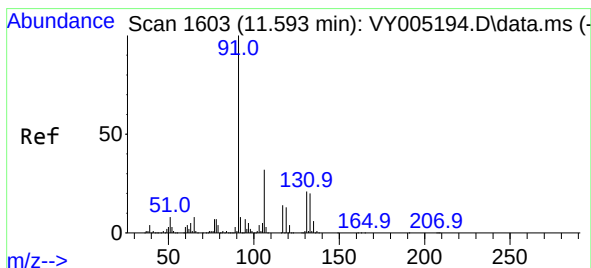
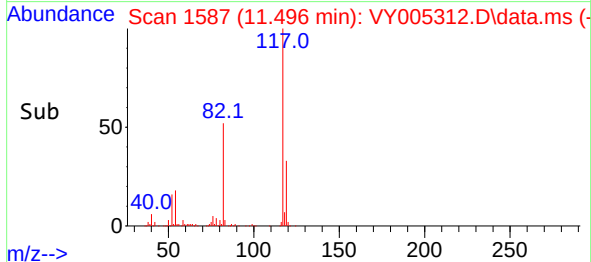
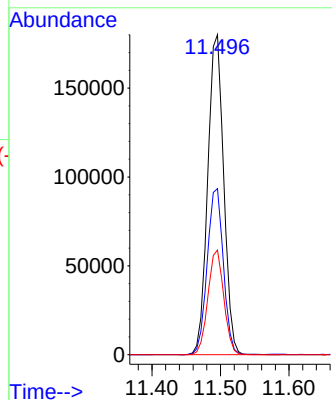
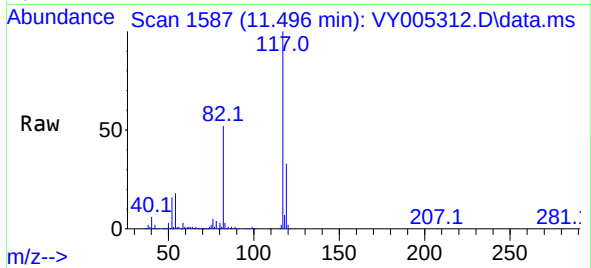




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VY005312.D
Acq: 01 Jul 2021 14:28

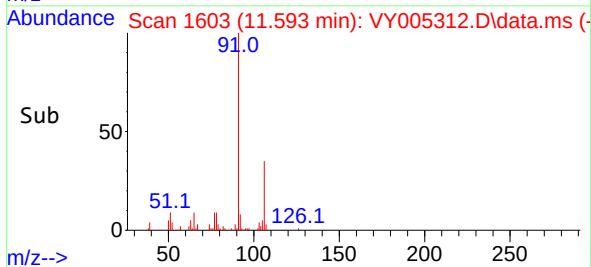
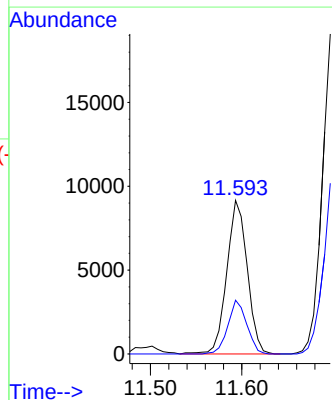
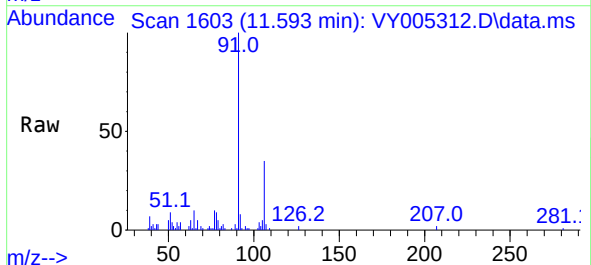
Instrument :
MSVOA_Y
ClientSampled :
FS-01

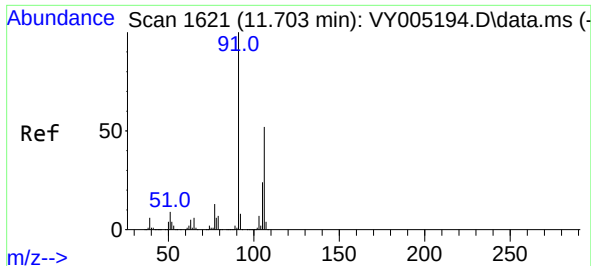
Tgt Ion:	117	Resp:	292047
Ion	Ratio	Lower	Upper
117	100		
82	51.9	40.6	60.8
119	32.7	26.1	39.1



#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

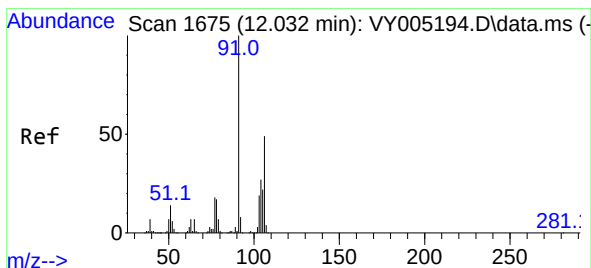
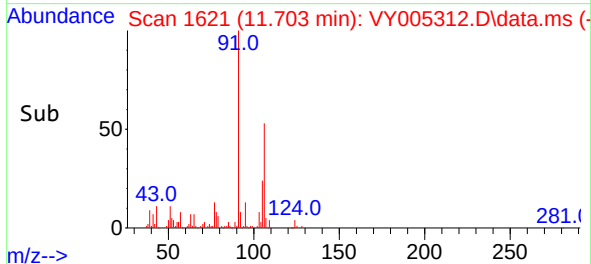
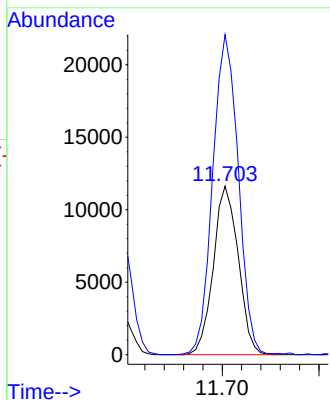
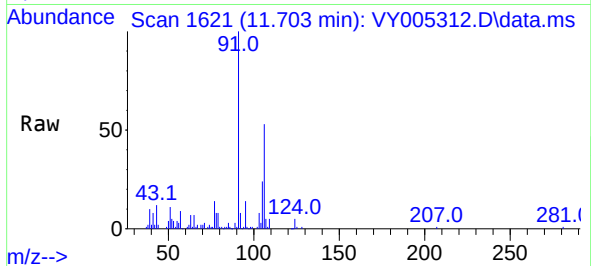




#68
m/p-Xylenes
Concen: 5.196 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. 0.000 min
Lab File: VY005312.D
Acq: 01 Jul 2021 14:28

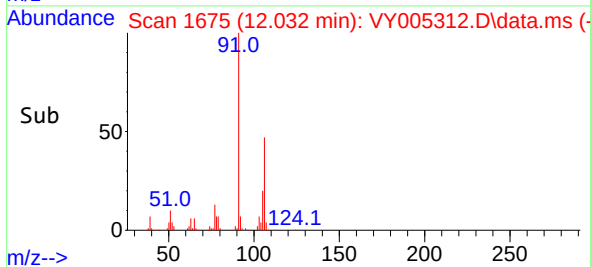
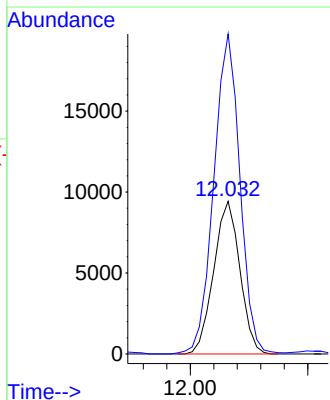
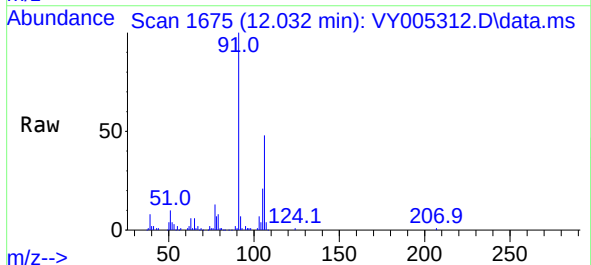
Instrument :
MSVOA_Y
ClientSampleId :
FS-01

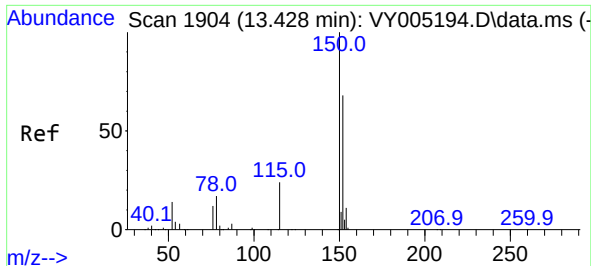
Tgt Ion:106 Resp: 20780
Ion Ratio Lower Upper
106 100
91 195.2 154.8 232.2



#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

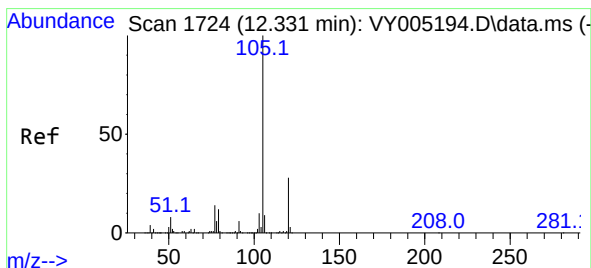
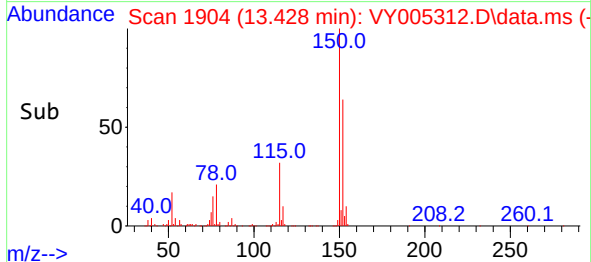
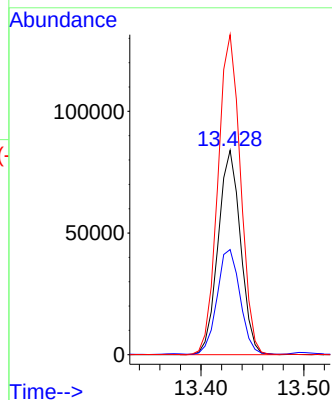
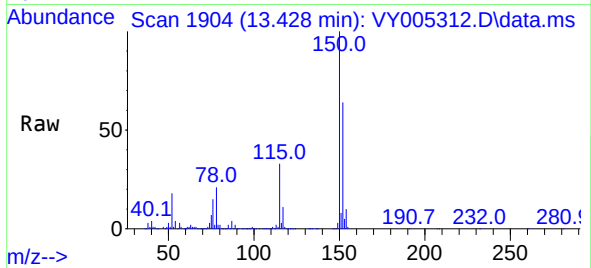




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY005312.D
Acq: 01 Jul 2021 14:28

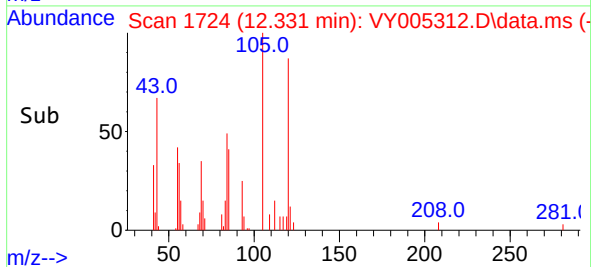
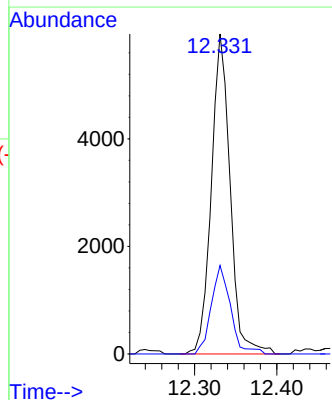
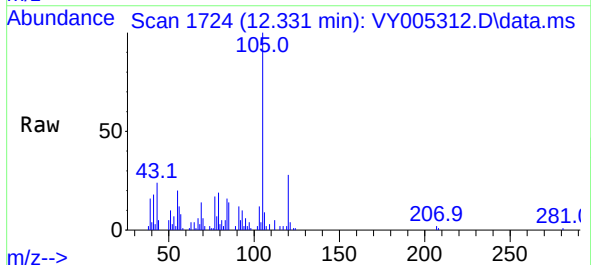
Instrument :
MSVOA_Y
ClientSampled :
FS-01

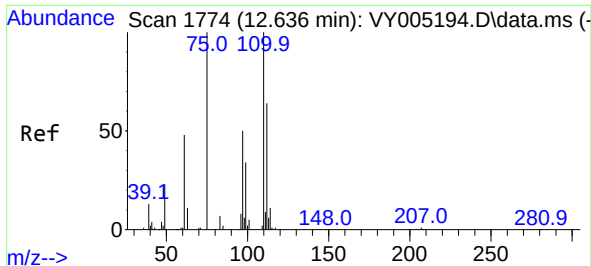
Tgt Ion:152 Resp: 127224
Ion Ratio Lower Upper
152 100
115 52.5 26.3 78.8
150 157.8 0.0 344.2



#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

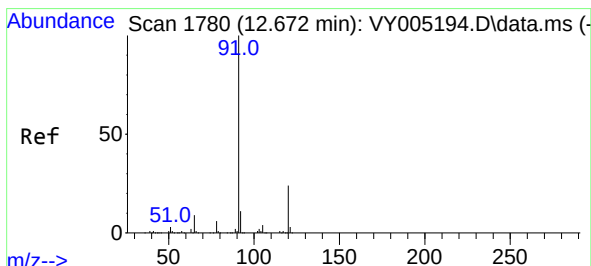
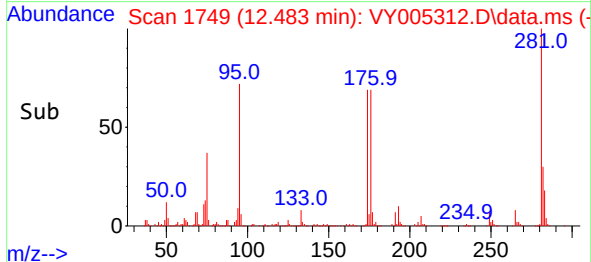
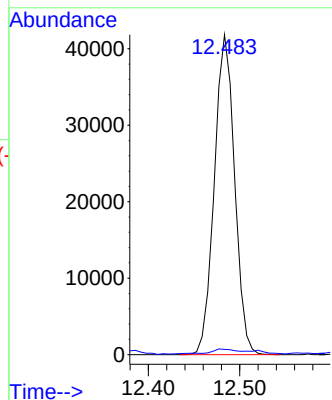
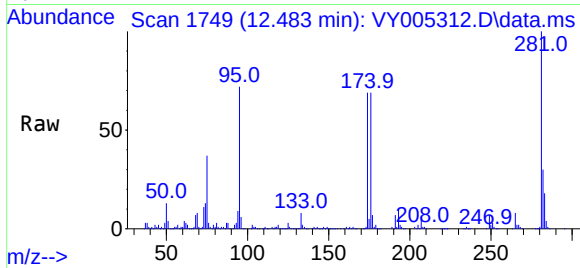




#76
1,2,3-Trichloropropane
Concen: 57.094 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY005312.D
Acq: 01 Jul 2021 14:28

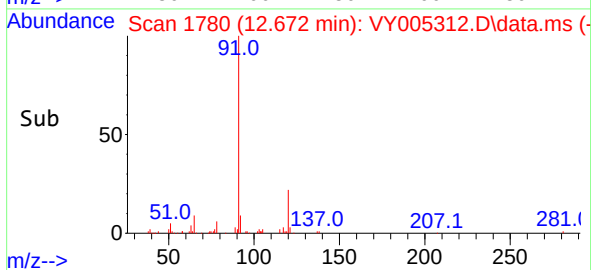
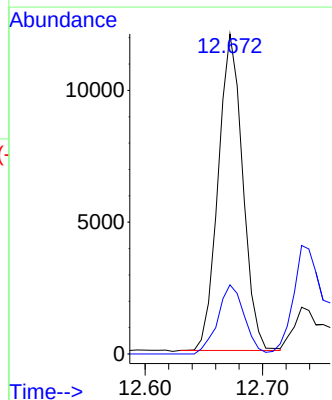
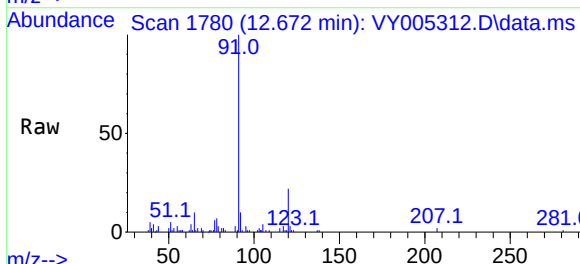
Instrument :
MSVOA_Y
ClientSampled :
FS-01

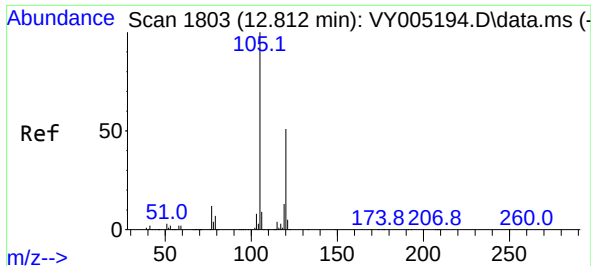
Tgt Ion: 75 Resp: 64421
Ion Ratio Lower Upper
75 100
77 2.1 0.0 0.0#



#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

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

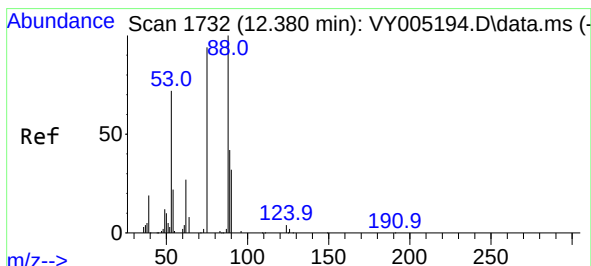
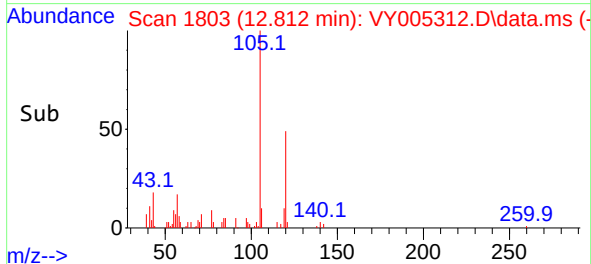
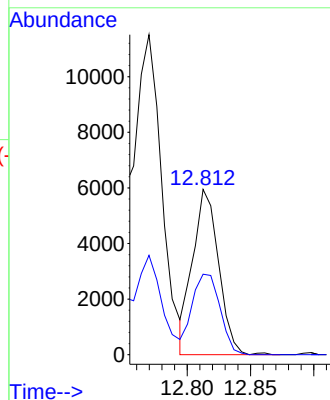
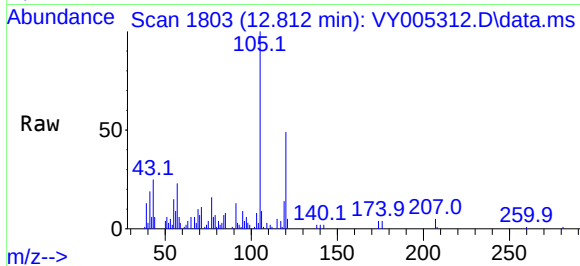




#80
1,3,5-Trimethylbenzene
Concen: 1.242 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VY005312.D
Acq: 01 Jul 2021 14:28

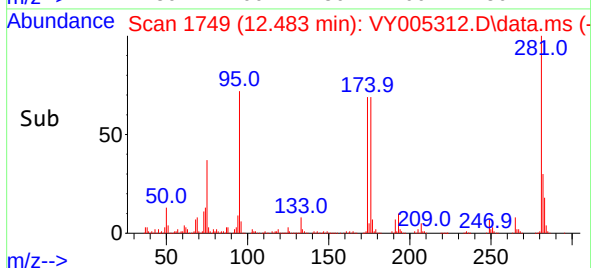
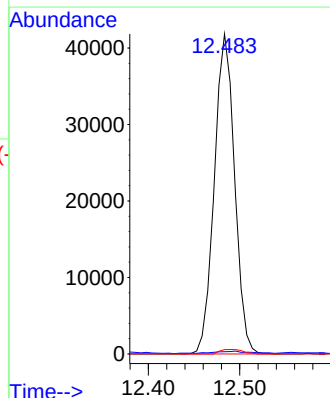
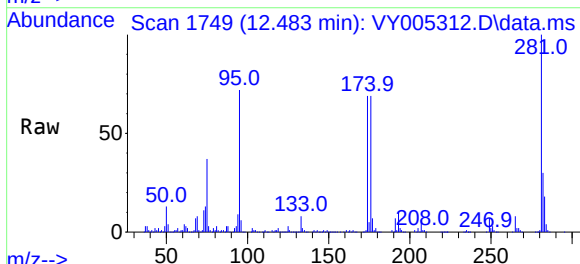
Instrument :
MSVOA_Y
ClientSampled :
FS-01

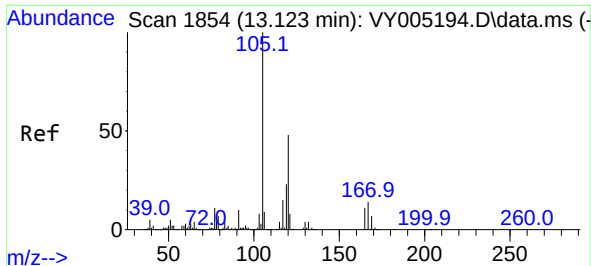
Tgt Ion:105 Resp: 8480
Ion Ratio Lower Upper
105 100
120 52.6 25.9 77.7



#81
trans-1,4-Dichloro-2-butene
Concen: 106.524 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY005312.D
Acq: 01 Jul 2021 14:28

Tgt Ion: 75 Resp: 64421
Ion Ratio Lower Upper
75 100
53 1.1 63.0 94.4#
89 1.6 38.0 57.0#

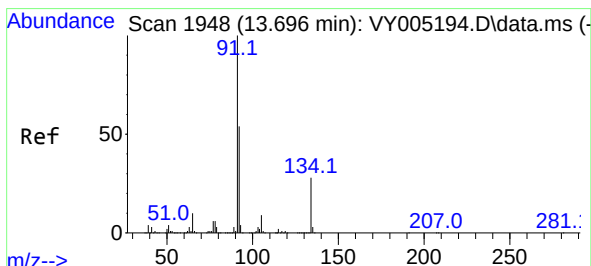
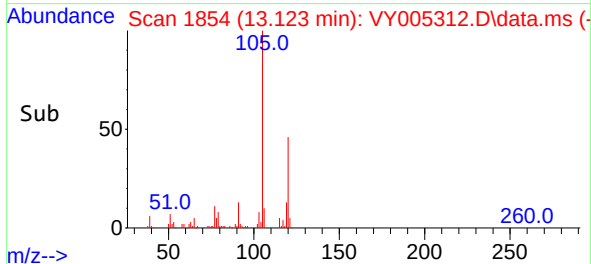
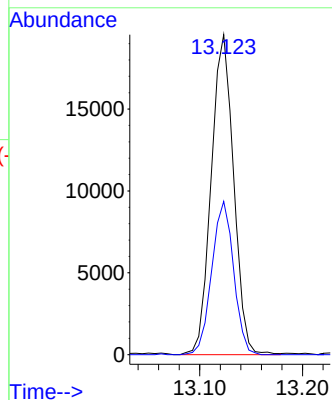
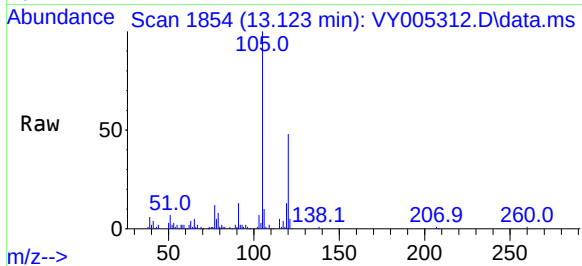




#84
1,2,4-Trimethylbenzene
Concen: 4.392 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.000 min
Lab File: VY005312.D
Acq: 01 Jul 2021 14:28

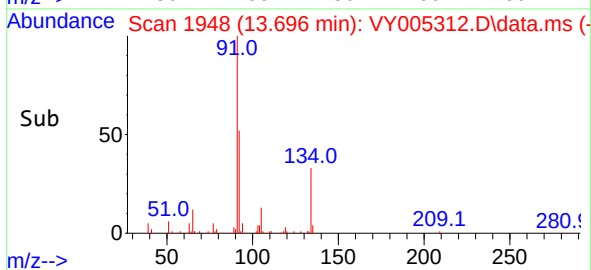
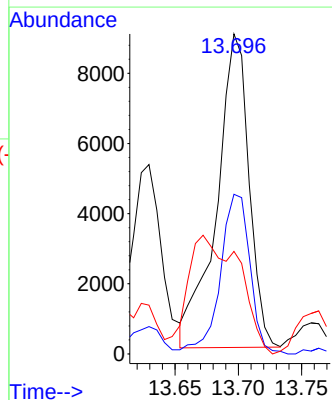
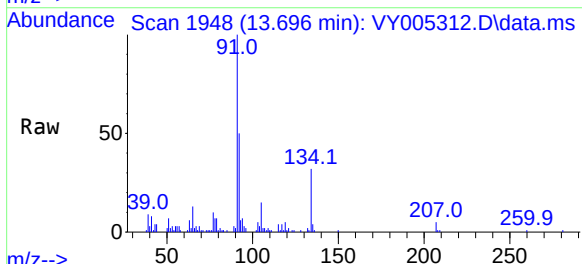
Instrument :
MSVOA_Y
ClientSampled :
FS-01

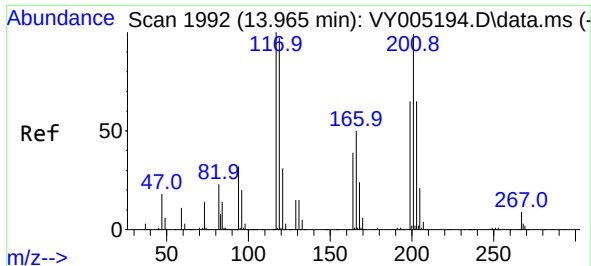
Tgt Ion:105 Resp: 29641
Ion Ratio Lower Upper
105 100
120 46.7 23.6 71.0



#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#

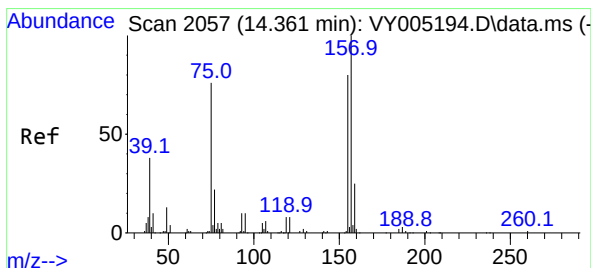
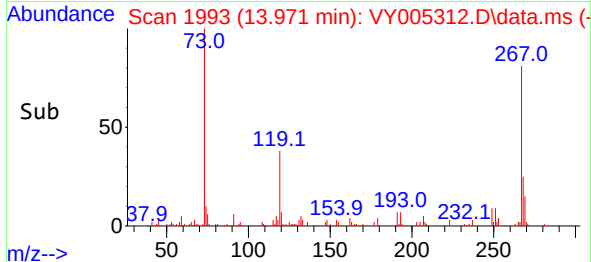
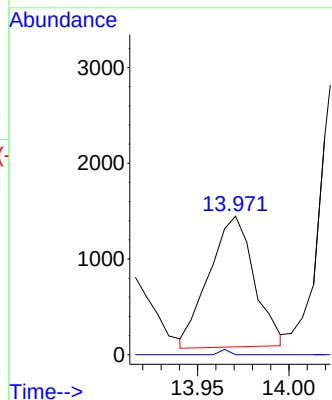
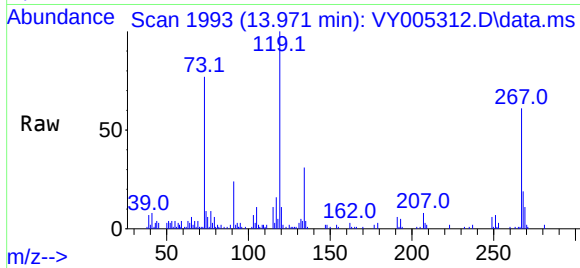




#90
Hexachloroethane
Concen: 1.697 ug/l
RT: 13.971 min Scan# 1993
Delta R.T. 0.006 min
Lab File: VY005312.D
Acq: 01 Jul 2021 14:28

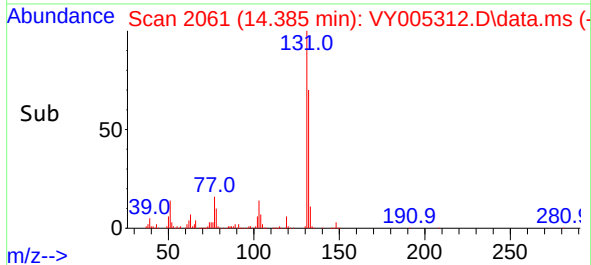
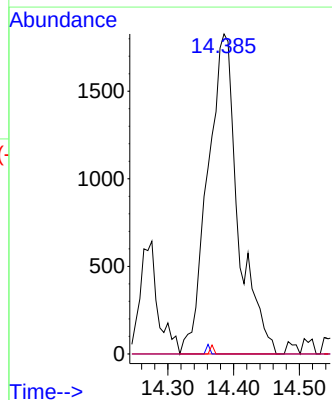
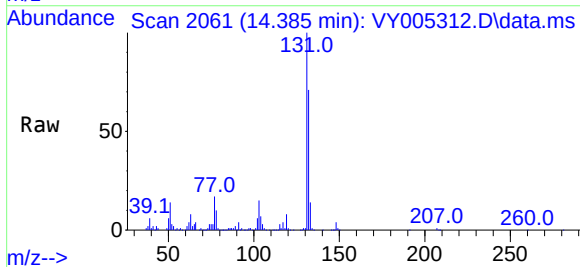
Instrument :
MSVOA_Y
ClientSampled :
FS-01

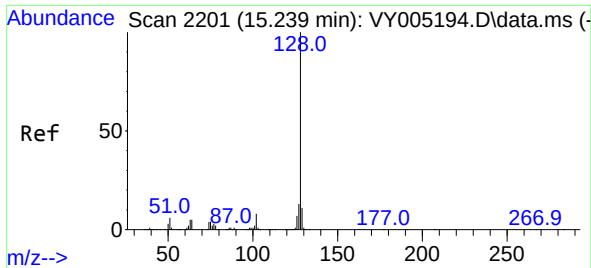
Tgt Ion:117 Resp: 2342
Ion Ratio Lower Upper
117 100
201 0.9 49.4 148.2#



#92
1,2-Dibromo-3-Chloropropane
Concen: 21.674 ug/l
RT: 14.385 min Scan# 2061
Delta R.T. 0.024 min
Lab File: VY005312.D
Acq: 01 Jul 2021 14:28

Tgt Ion: 75 Resp: 5870
Ion Ratio Lower Upper
75 100
155 0.0 52.4 157.3#
157 0.0 67.3 201.8#





#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

