

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032122\
 Data File : VY007978.D
 Acq On : 22 Mar 2022 01:53
 Operator : SY/MD
 Sample : N1977-07
 Misc : 5.87g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 42 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-14-20220315-18.5-19.5

Quant Time: Mar 22 03:45:00 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y031722S.M
 Quant Title : SW846 8260
 QLast Update : Thu Mar 17 13:55:34 2022
 Response via : Initial Calibration

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

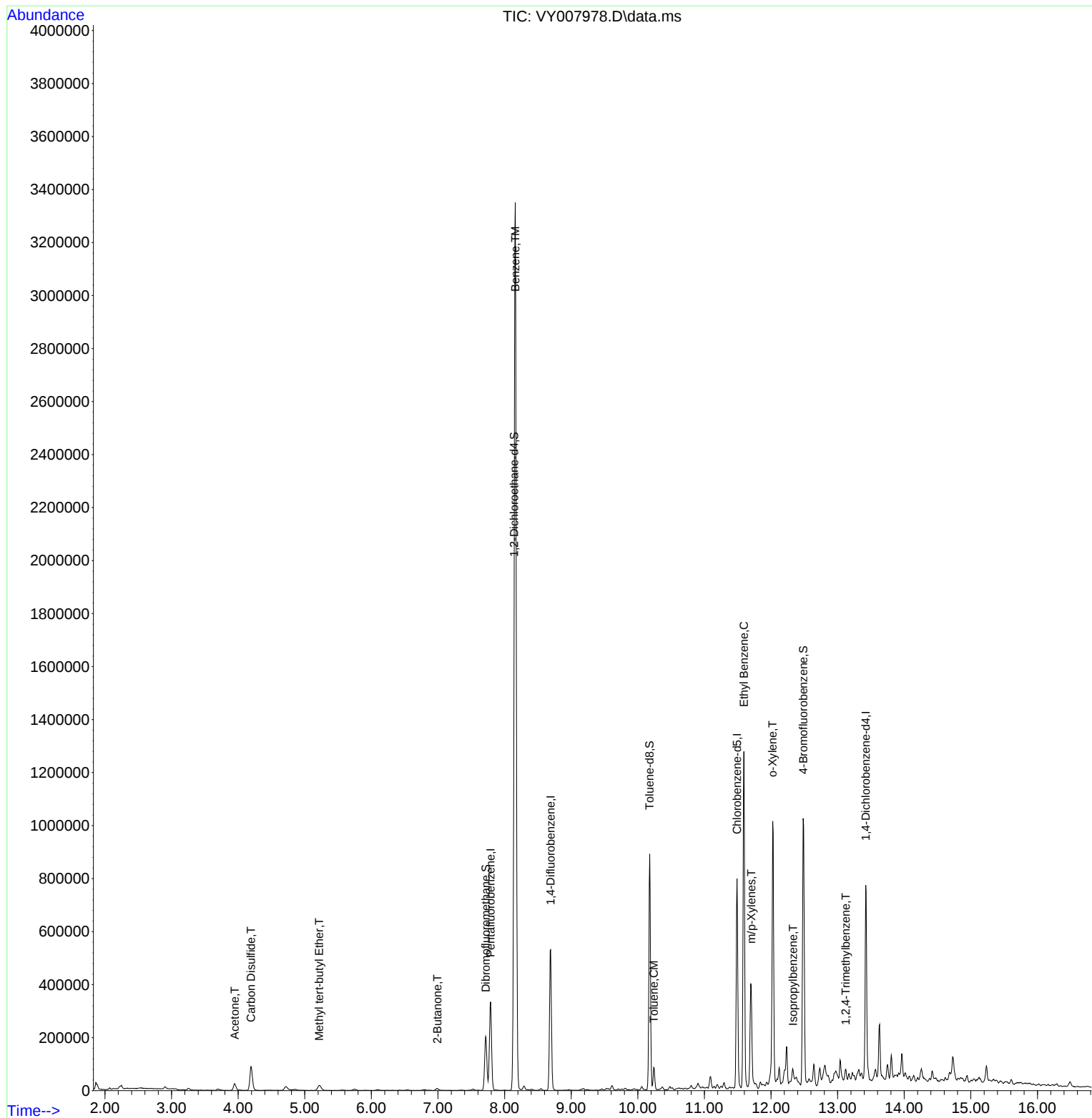
Internal Standards						
1) Pentafluorobenzene	7.789	168	239750	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	459327	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	426112	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	185217	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	170916	62.524	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 125.040%	
35) Dibromofluoromethane	7.716	113	144760	44.875	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 89.760%	
50) Toluene-d8	10.179	98	562789	58.813	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 117.620%	
62) 4-Bromofluorobenzene	12.483	95	199781	43.152	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 86.300%	
Target Compounds						
					Qvalue	
16) Acetone	3.948	43	43547	60.050	ug/l #	85
17) Carbon Disulfide	4.192	76	179889	34.576	ug/l	100
19) Methyl tert-butyl Ether	5.216	73	33746	4.132	ug/l	92
25) 2-Butanone	6.990	43	12151	10.461	ug/l #	89
40) Benzene	8.161	78	3359270	240.267	ug/l	97
52) Toluene	10.240	92	35242	3.925	ug/l	95
67) Ethyl Benzene	11.593	91	867553	47.712	ug/l	99
68) m/p-Xylenes	11.703	106	121439	17.121	ug/l	97
69) o-Xylene	12.026	106	260741	38.005	ug/l	95
73) Isopropylbenzene	12.331	105	23187	1.422	ug/l	98
84) 1,2,4-Trimethylbenzene	13.123	105	22486	1.711	ug/l	97

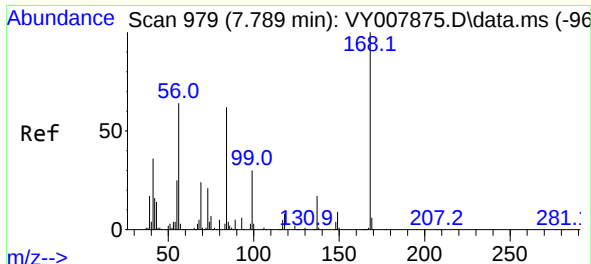
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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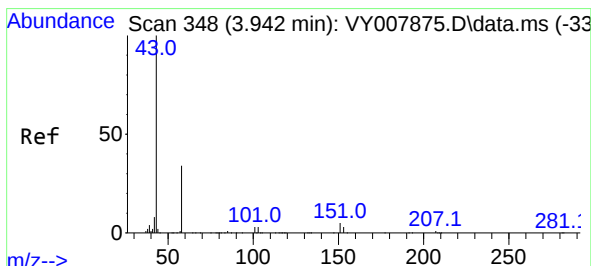
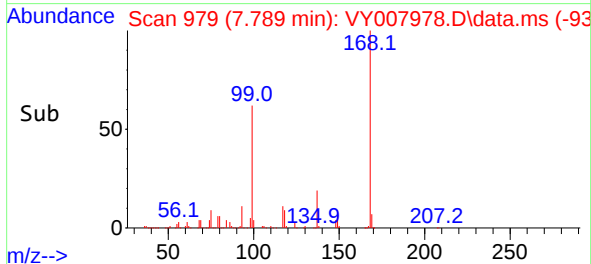
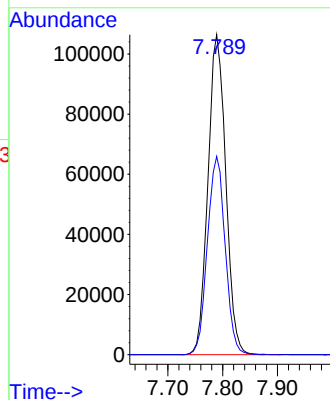
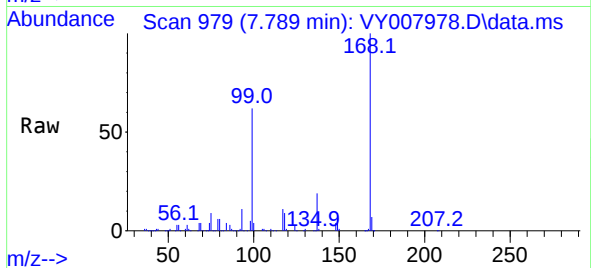




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY007978.D
Acq: 22 Mar 2022 01:53

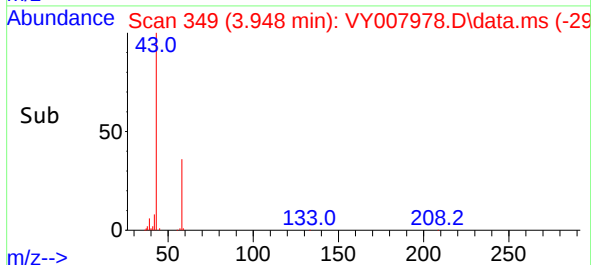
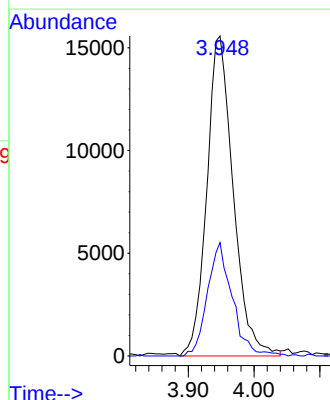
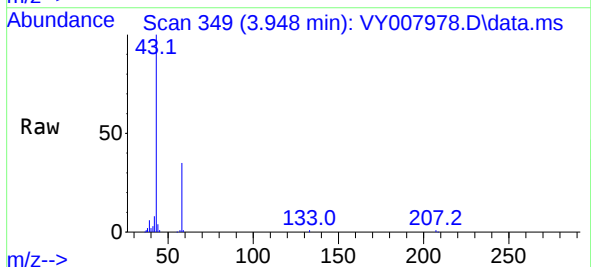
Instrument :
MSVOA_Y
ClientSampleId :
SB-14-20220315-18.5-19.5

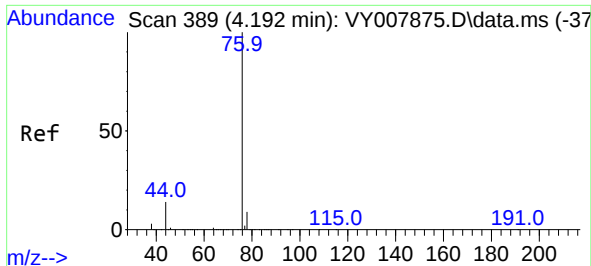
Tgt Ion:168 Resp: 239750
Ion Ratio Lower Upper
168 100
99 62.0 46.9 70.3



#16
Acetone
Concen: 60.050 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY007978.D
Acq: 22 Mar 2022 01:53

Tgt Ion: 43 Resp: 43547
Ion Ratio Lower Upper
43 100
58 35.5 22.0 33.0#

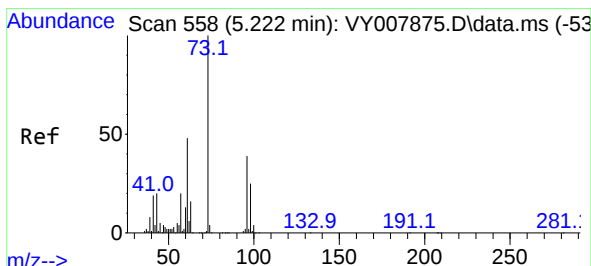
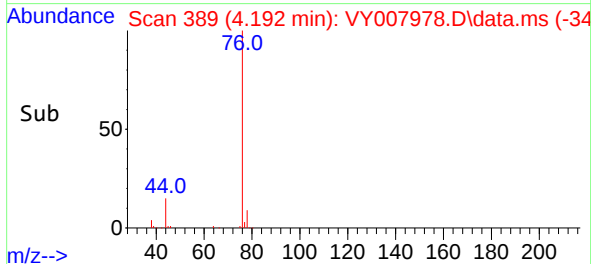
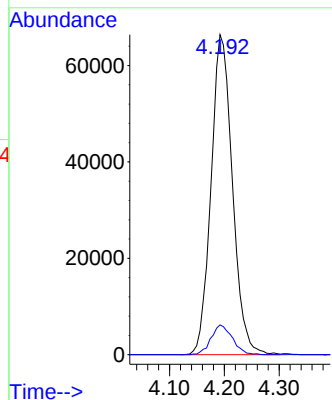
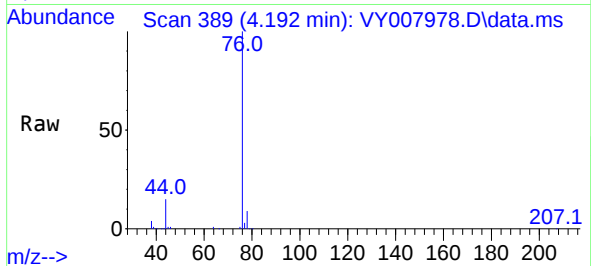




#17
Carbon Disulfide
Concen: 34.576 ug/l
RT: 4.192 min Scan# 31
Delta R.T. -0.000 min
Lab File: VY007978.D
Acq: 22 Mar 2022 01:53

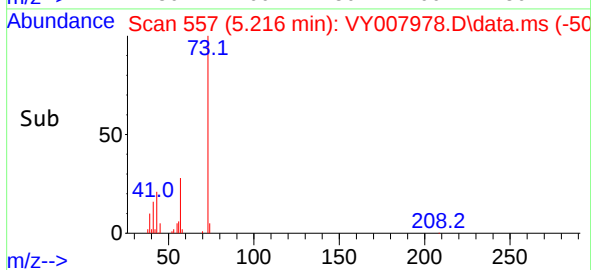
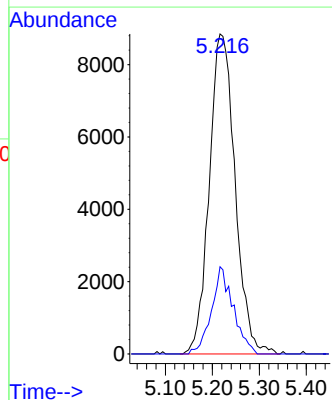
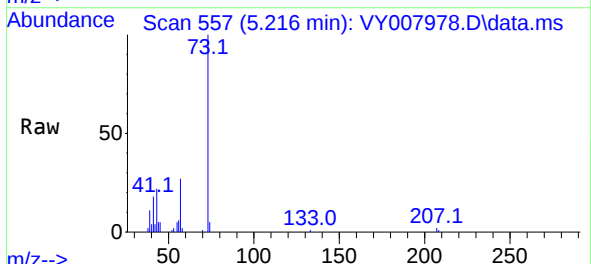
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ClientSampleId :
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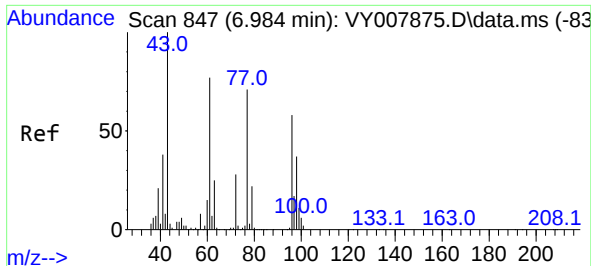
Tgt Ion: 76 Resp: 179889
Ion Ratio Lower Upper
76 100
78 9.3 7.4 11.0



#19
Methyl tert-butyl Ether
Concen: 4.132 ug/l
RT: 5.216 min Scan# 557
Delta R.T. -0.006 min
Lab File: VY007978.D
Acq: 22 Mar 2022 01:53

Tgt Ion: 73 Resp: 33746
Ion Ratio Lower Upper
73 100
57 27.3 18.6 27.8

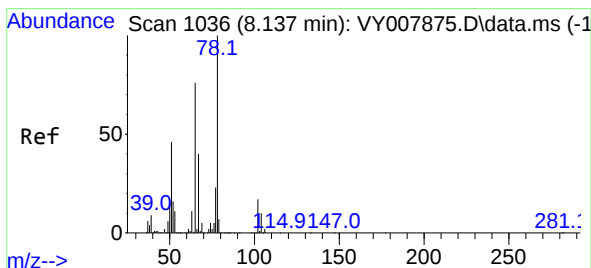
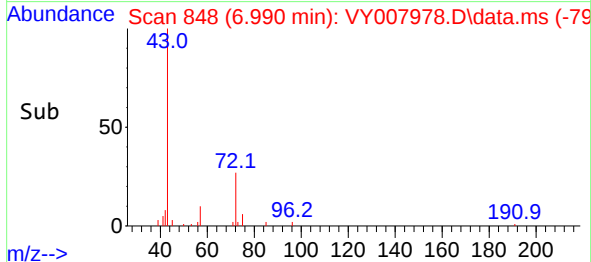
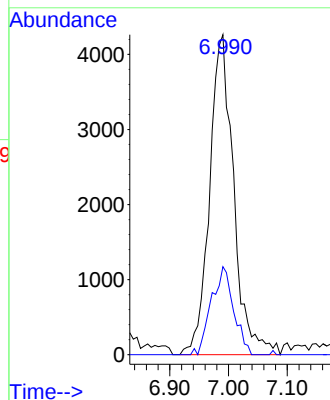
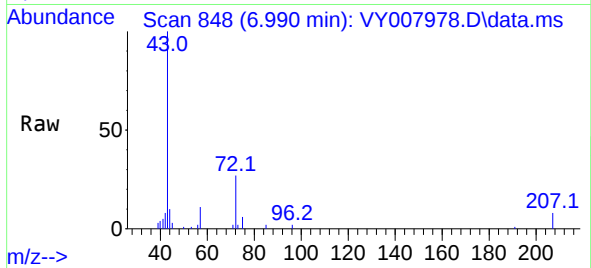




#25
2-Butanone
Concen: 10.461 ug/l
RT: 6.990 min Scan# 847
Delta R.T. 0.006 min
Lab File: VY007978.D
Acq: 22 Mar 2022 01:53

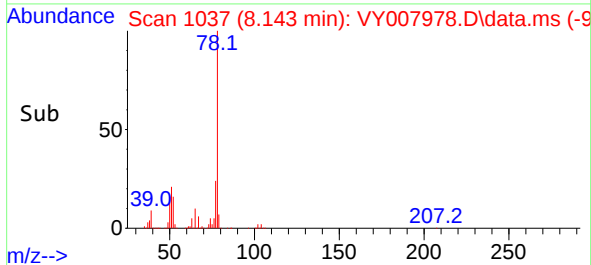
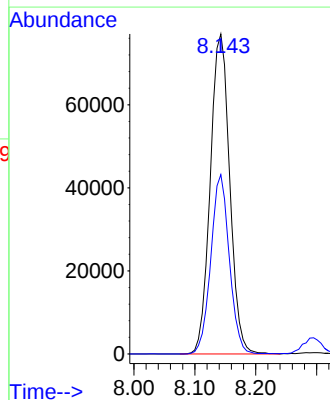
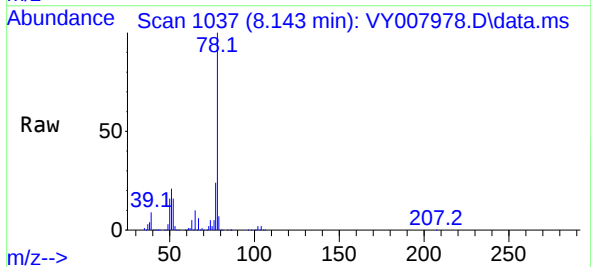
Instrument :
MSVOA_Y
ClientSampleId :
SB-14-20220315-18.5-19.5

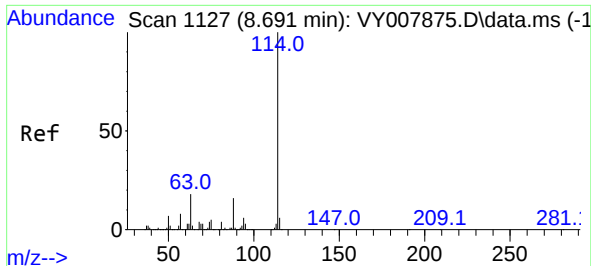
Tgt Ion: 43 Resp: 12151
Ion Ratio Lower Upper
43 100
72 27.5 17.7 26.5#



#33
1,2-Dichloroethane-d4
Concen: 62.524 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY007978.D
Acq: 22 Mar 2022 01:53

Tgt Ion: 65 Resp: 170916
Ion Ratio Lower Upper
65 100
67 53.3 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: VY007978.D

Acq: 22 Mar 2022 01:53

Instrument :

MSVOA_Y

ClientSampleId :

SB-14-20220315-18.5-19.5

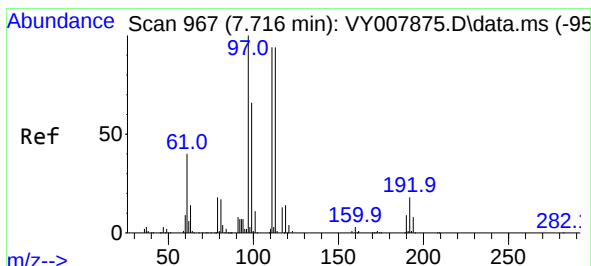
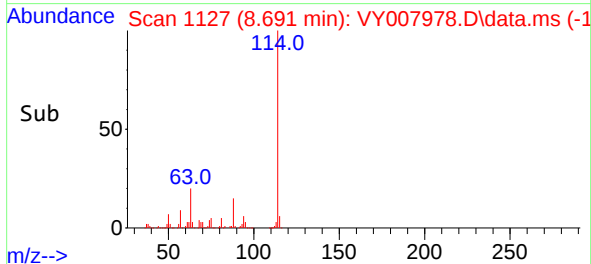
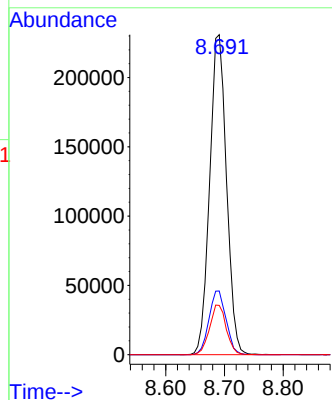
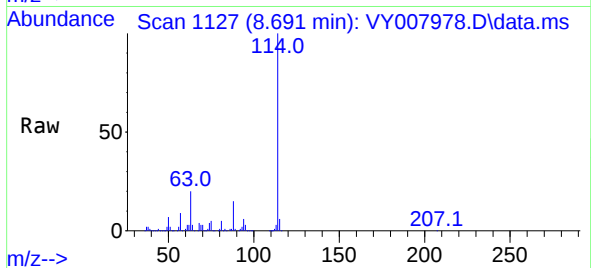
Tgt Ion:114 Resp: 459327

Ion Ratio Lower Upper

114 100

63 19.9 0.0 43.2

88 15.4 0.0 31.8



#35

Dibromofluoromethane

Concen: 44.875 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY007978.D

Acq: 22 Mar 2022 01:53

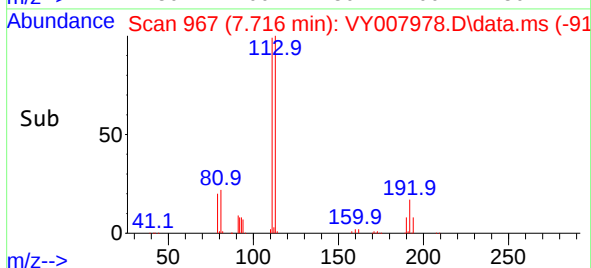
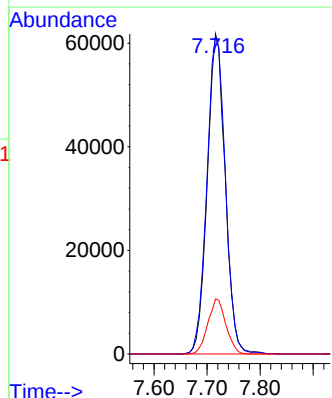
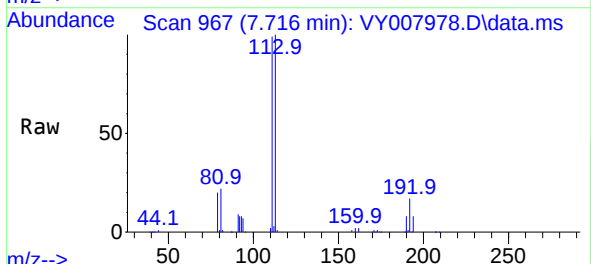
Tgt Ion:113 Resp: 144760

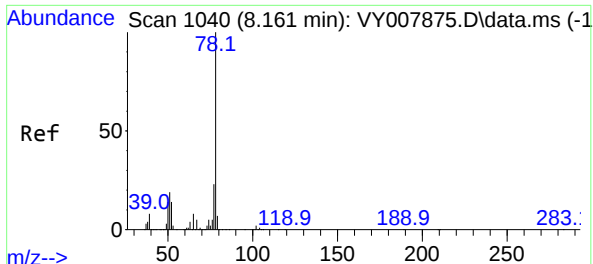
Ion Ratio Lower Upper

113 100

111 102.7 82.6 124.0

192 17.2 17.6 26.4#

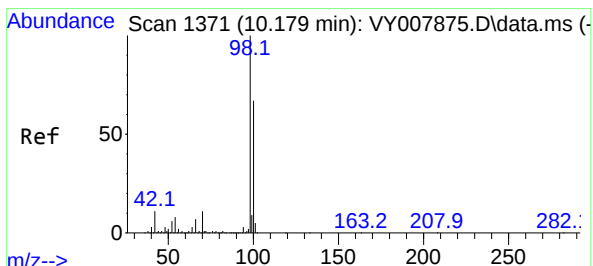
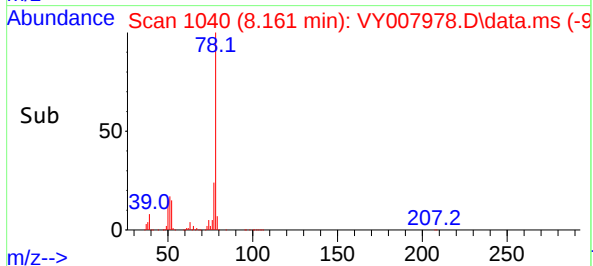
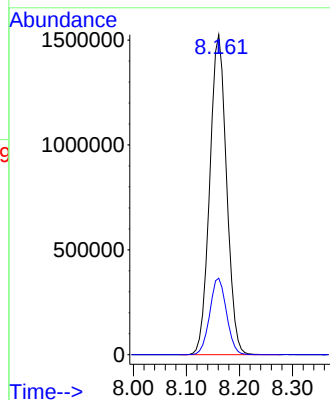
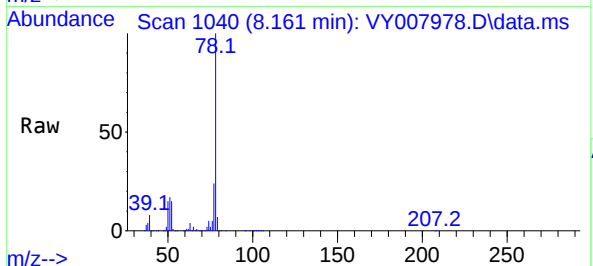




#40
Benzene
Concen: 240.267 ug/l
RT: 8.161 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY007978.D
Acq: 22 Mar 2022 01:53

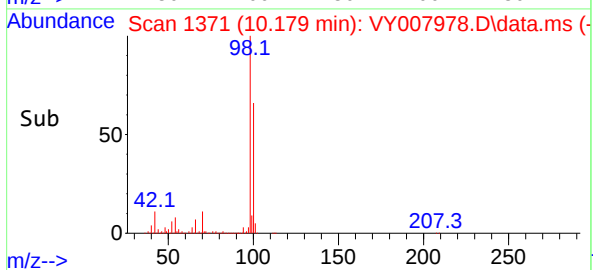
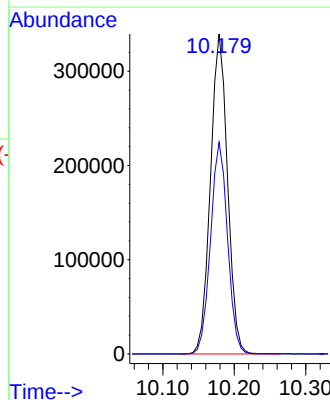
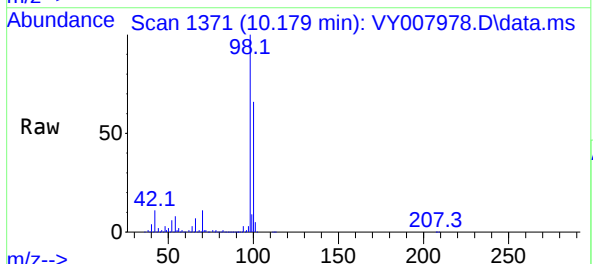
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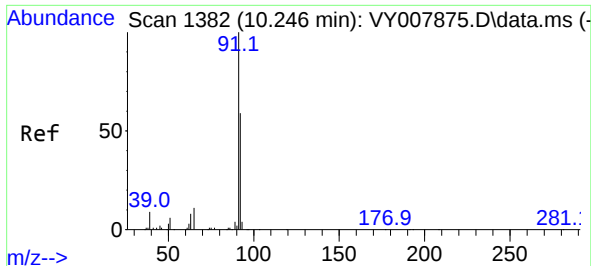
Tgt Ion: 78 Resp: 3359270
Ion Ratio Lower Upper
78 100
77 23.9 20.4 30.6



#50
Toluene-d8
Concen: 58.813 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY007978.D
Acq: 22 Mar 2022 01:53

Tgt Ion: 98 Resp: 562789
Ion Ratio Lower Upper
98 100
100 65.9 50.2 75.2

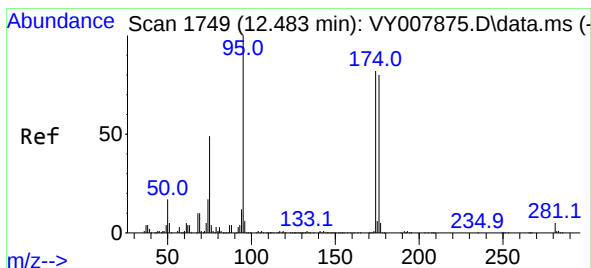
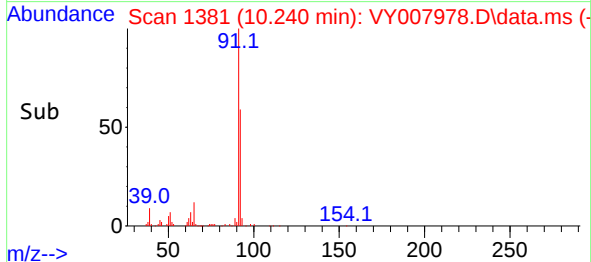
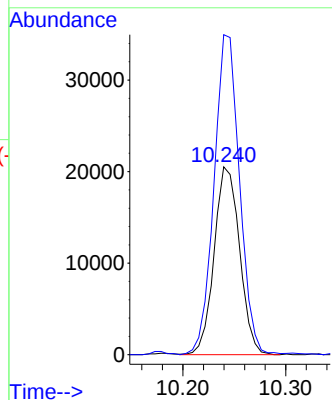
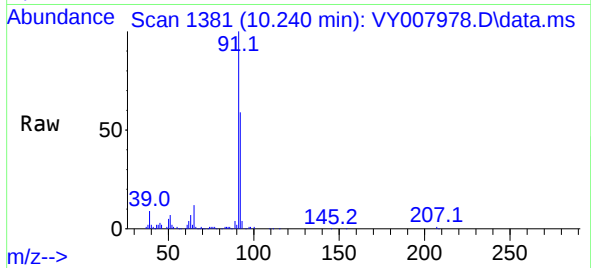




#52
Toluene
Concen: 3.925 ug/l
RT: 10.240 min Scan# 1382
Delta R.T. -0.006 min
Lab File: VY007978.D
Acq: 22 Mar 2022 01:53

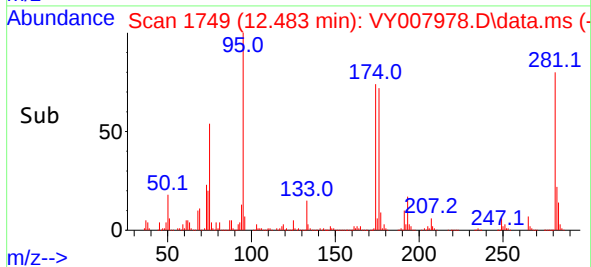
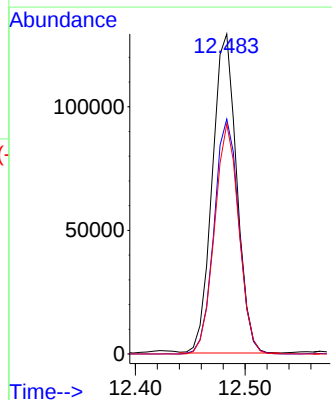
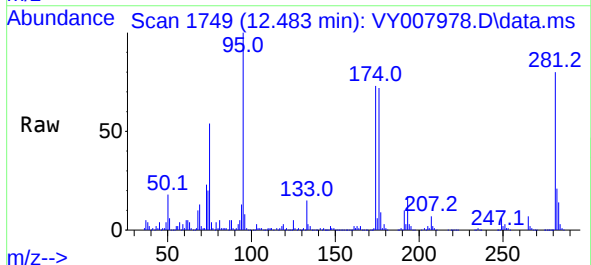
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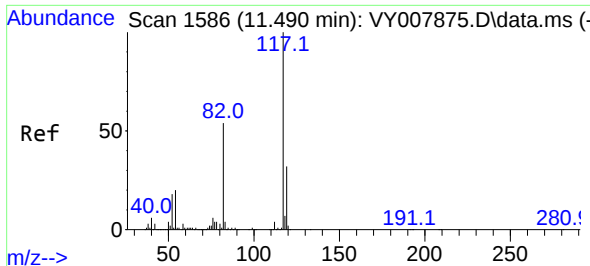
Tgt Ion: 92 Resp: 35242
Ion Ratio Lower Upper
92 100
91 170.9 142.6 213.8



#62
4-Bromofluorobenzene
Concen: 43.152 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY007978.D
Acq: 22 Mar 2022 01:53

Tgt Ion: 95 Resp: 199781
Ion Ratio Lower Upper
95 100
174 74.7 0.0 177.0
176 71.7 0.0 175.8

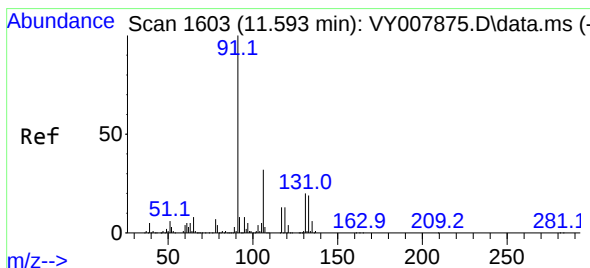
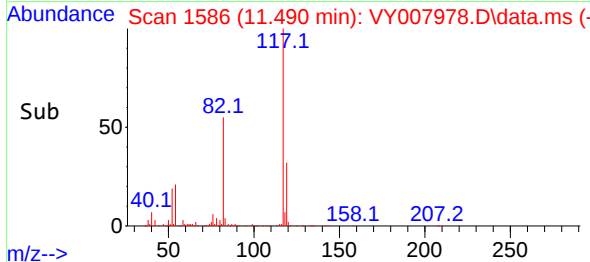
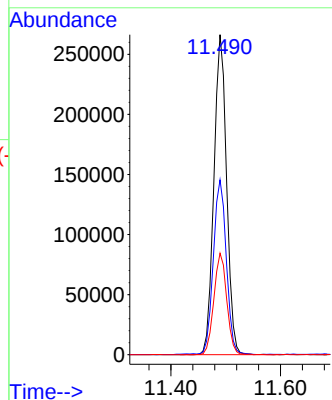
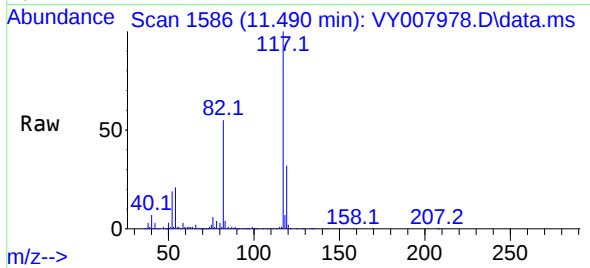




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. -0.000 min
Lab File: VY007978.D
Acq: 22 Mar 2022 01:53

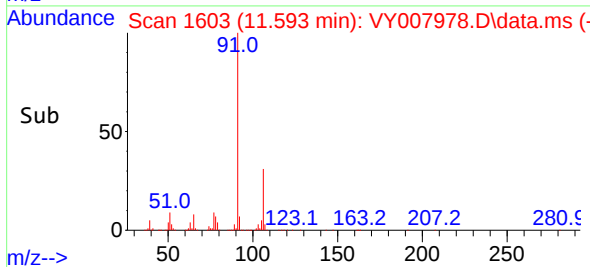
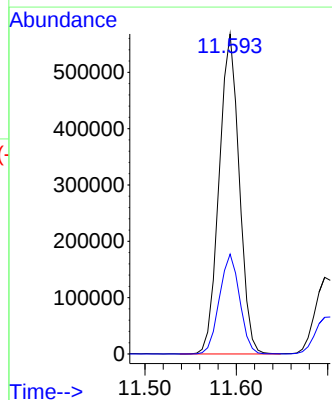
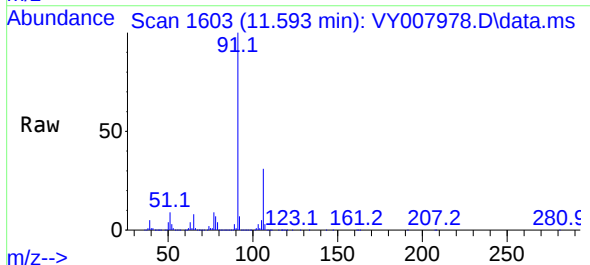
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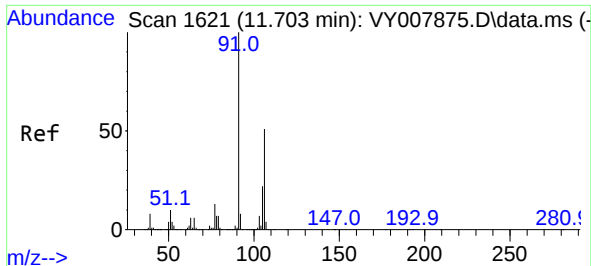
Tgt Ion:117 Resp: 426112
Ion Ratio Lower Upper
117 100
82 54.5 43.0 64.4
119 31.7 25.4 38.0



#67
Ethyl Benzene
Concen: 47.712 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. -0.000 min
Lab File: VY007978.D
Acq: 22 Mar 2022 01:53

Tgt Ion: 91 Resp: 867553
Ion Ratio Lower Upper
91 100
106 31.2 24.5 36.7

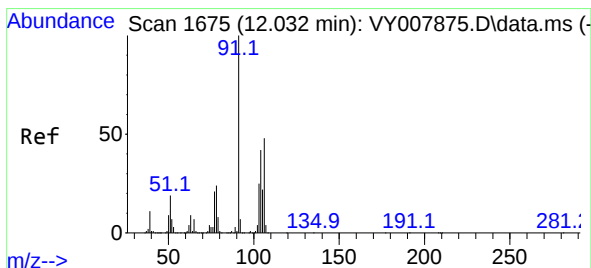
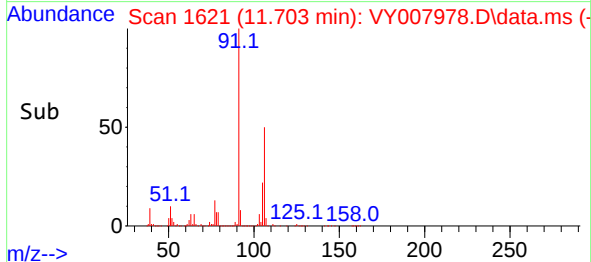
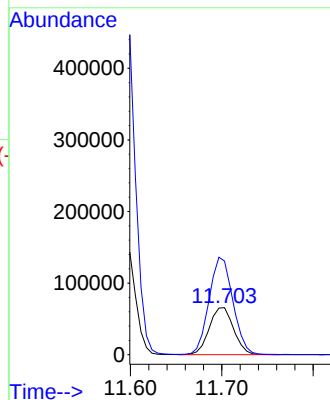
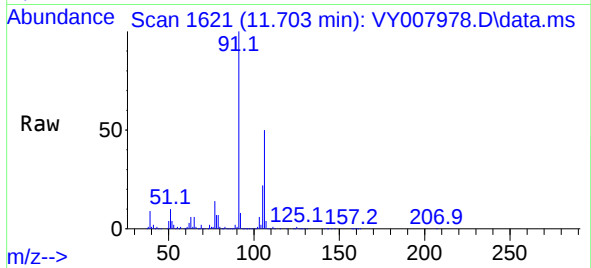




#68
m/p-Xylenes
Concen: 17.121 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. -0.000 min
Lab File: VY007978.D
Acq: 22 Mar 2022 01:53

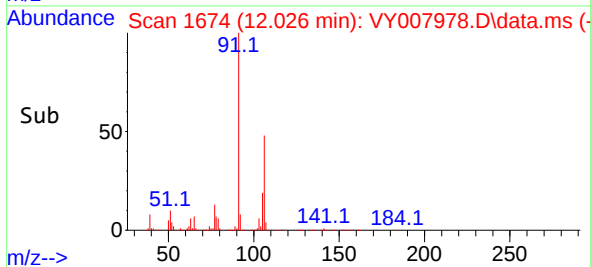
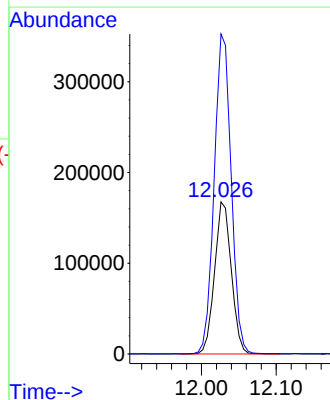
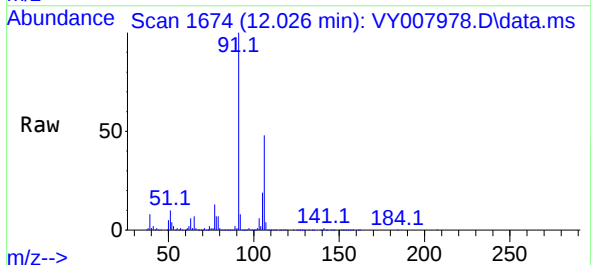
Instrument :
MSVOA_Y
ClientSampleId :
SB-14-20220315-18.5-19.5

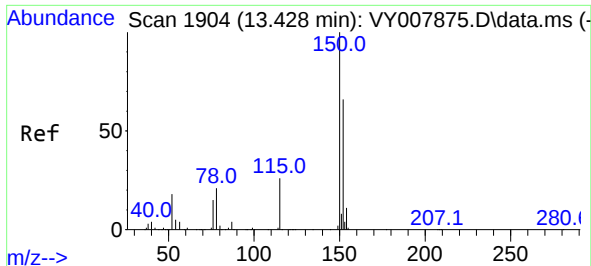
Tgt Ion:106 Resp: 121439
Ion Ratio Lower Upper
106 100
91 202.8 166.6 249.8



#69
o-Xylene
Concen: 38.005 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. -0.006 min
Lab File: VY007978.D
Acq: 22 Mar 2022 01:53

Tgt Ion:106 Resp: 260741
Ion Ratio Lower Upper
106 100
91 213.4 110.3 331.0

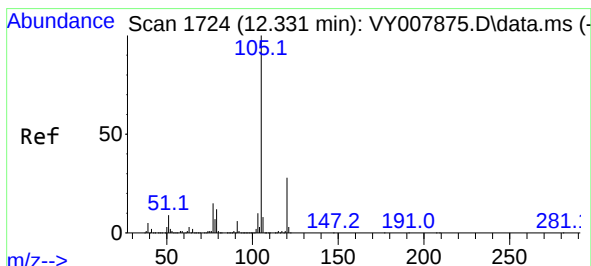
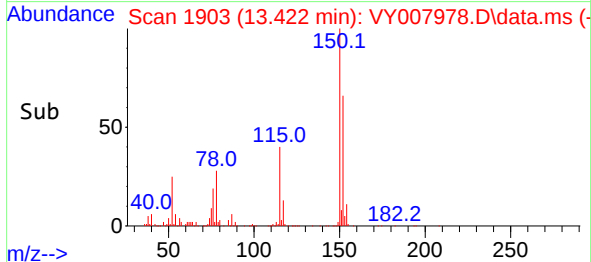
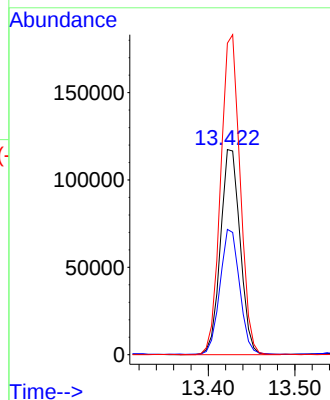
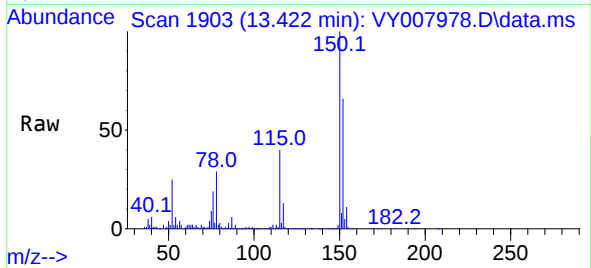




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1904
Delta R.T. -0.006 min
Lab File: VY007978.D
Acq: 22 Mar 2022 01:53

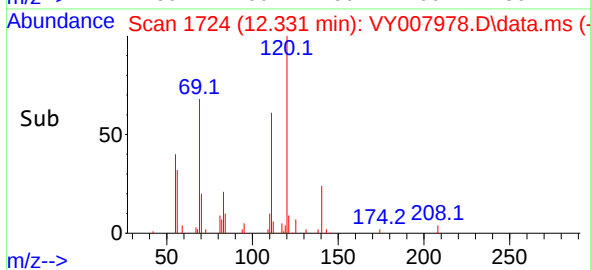
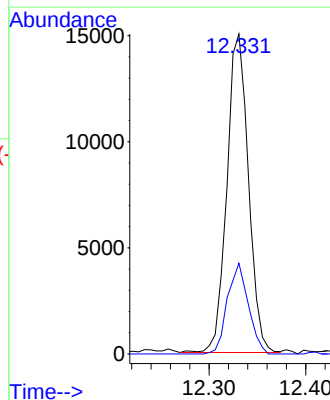
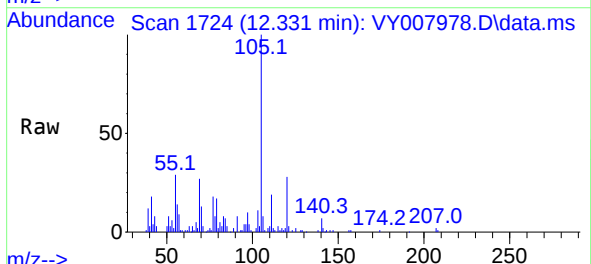
Instrument : MSVOA_Y
ClientSampleId : SB-14-20220315-18.5-19.5

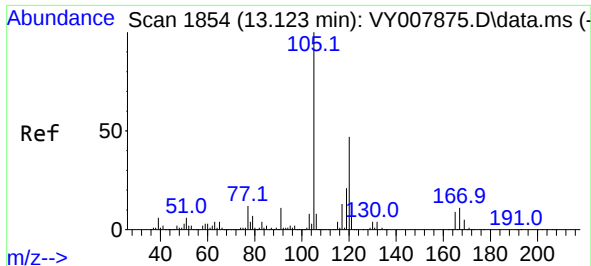
Tgt Ion:152 Resp: 185217
Ion Ratio Lower Upper
152 100
115 60.9 28.2 84.7
150 154.1 0.0 347.6



#73
Isopropylbenzene
Concen: 1.422 ug/l
RT: 12.331 min Scan# 1724
Delta R.T. -0.000 min
Lab File: VY007978.D
Acq: 22 Mar 2022 01:53

Tgt Ion:105 Resp: 23187
Ion Ratio Lower Upper
105 100
120 27.7 13.4 40.2





#84
 1,2,4-Trimethylbenzene
 Concen: 1.711 ug/l
 RT: 13.123 min Scan# 11
 Delta R.T. -0.000 min
 Lab File: VY007978.D
 Acq: 22 Mar 2022 01:53

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-14-20220315-18.5-19.5

Tgt Ion:105 Resp: 22486
 Ion Ratio Lower Upper
 105 100
 120 42.8 22.3 66.9

