

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032421\
 Data File : VY004188.D
 Acq On : 24 Mar 2021 15:35
 Operator : SY/MD
 Sample : M1776-01
 Misc : 1.00g/5mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 110

Quant Time: Mar 25 01:20:27 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030821S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 08 12:28:55 2021
 Response via : Initial Calibration

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

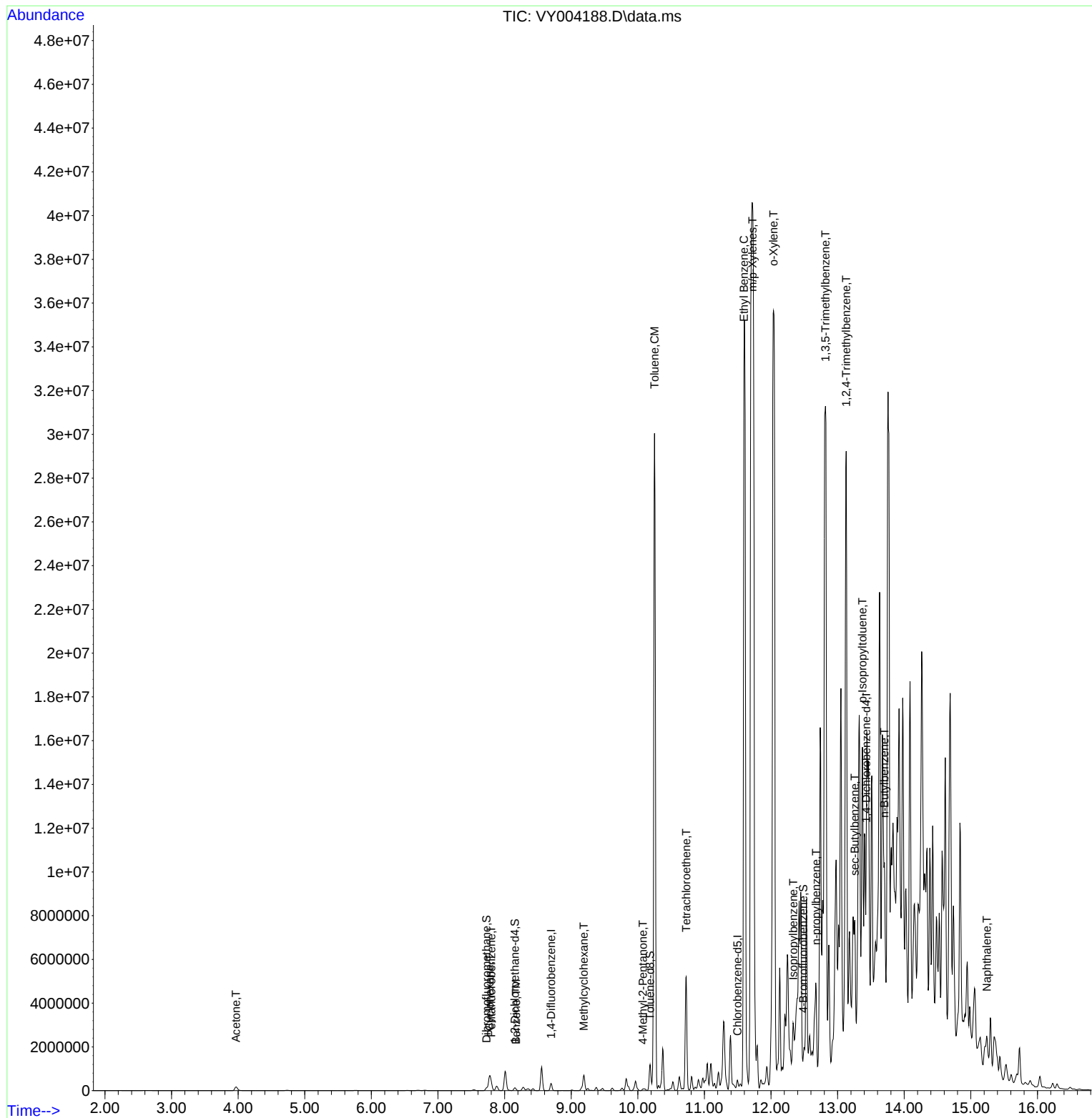
Internal Standards						
1) Pentafluorobenzene	7.801	168	177425	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	285050	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	218125	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	167090	50.00	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	89731	51.25	ug/l	0.00
Spiked Amount 50.000	Range	50 - 163	Recovery	= 102.50%		
35) Dibromofluoromethane	7.728	113	86715	53.95	ug/l	0.00
Spiked Amount 50.000	Range	54 - 147	Recovery	= 107.90%		
50) Toluene-d8	10.185	98	347209	55.10	ug/l	0.00
Spiked Amount 50.000	Range	49 - 140	Recovery	= 110.20%		
62) 4-Bromofluorobenzene	12.483	95	177674	76.34	ug/l	0.00
Spiked Amount 50.000	Range	25 - 144	Recovery	= 152.68%#		
Target Compounds						
						Qvalue
16) Acetone	3.966	43	332479	786.69	ug/l	95
31) Cyclohexane	7.777	56	141415	46.04	ug/l #	55
39) Methylcyclohexane	9.191	83	295882	91.47	ug/l	93
40) Benzene	8.173	78	30402	4.31	ug/l	96
51) 4-Methyl-2-Pentanone	10.075	43	35786	26.11	ug/l	100
52) Toluene	10.252	92	13183097	2885.56	ug/l #	68
64) Tetrachloroethene	10.727	164	1102070	603.54	ug/l	96
67) Ethyl Benzene	11.593	91	19962102	2600.94	ug/l #	42
68) m/p-Xylenes	11.721	106	23745128	8112.98	ug/l #	1
69) o-Xylene	12.038	106	13892014	5021.05	ug/l #	1
73) Isopropylbenzene	12.337	105	805910	69.40	ug/l	100
78) n-propylbenzene	12.678	91	2547914	186.23	ug/l	99
80) 1,3,5-Trimethylbenzene	12.819	105	3040596	308.72	ug/l	99
84) 1,2,4-Trimethylbenzene	13.129	105	13131483	1331.23	ug/l	88
85) sec-Butylbenzene	13.258	105	1387394	118.73	ug/l	86
86) p-Isopropyltoluene	13.373	119	917067	84.65	ug/l	99
89) n-Butylbenzene	13.703	91	3666432	355.63	ug/l #	71
95) Naphthalene	15.239	128	967642	156.77	ug/l	98

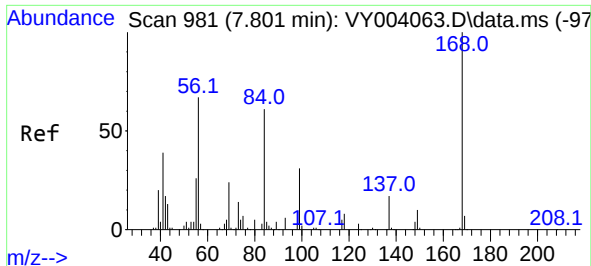
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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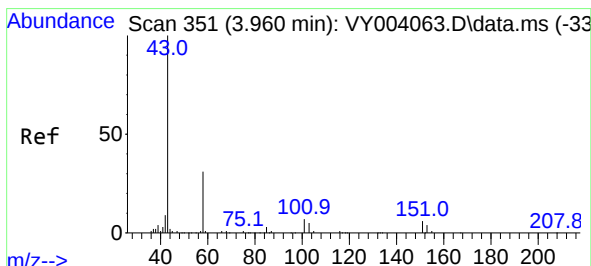
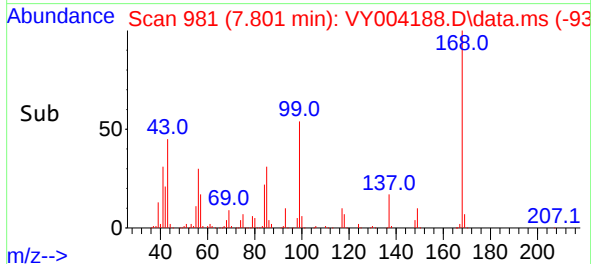
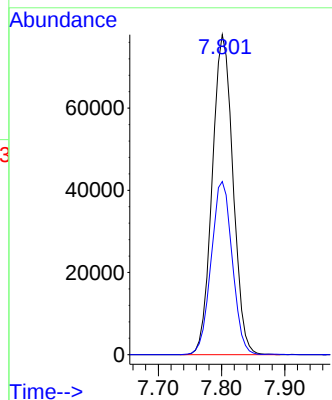
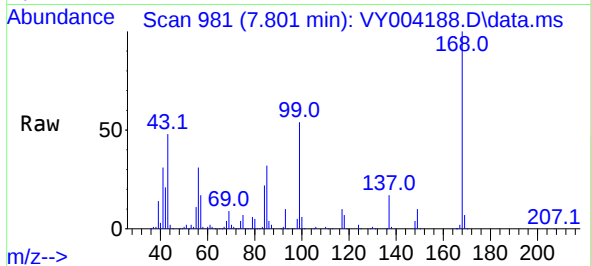




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY004188.D
Acq: 24 Mar 2021 15:35

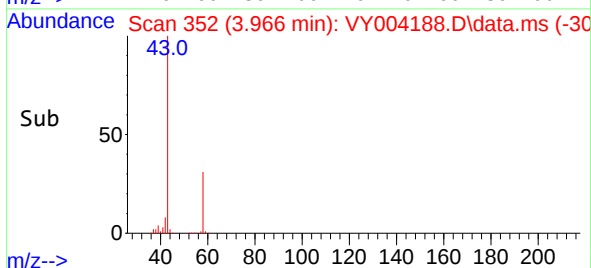
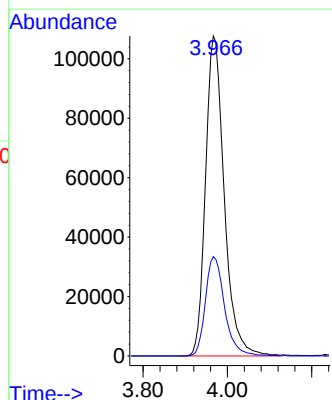
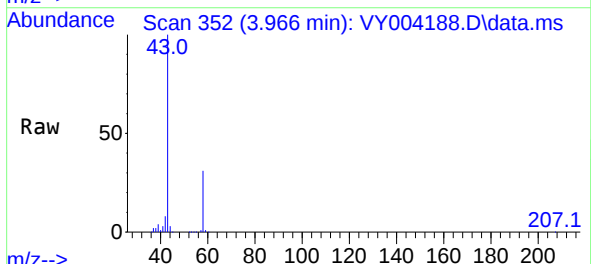
Instrument :
MSVOA_Y
ClientSampled :
110

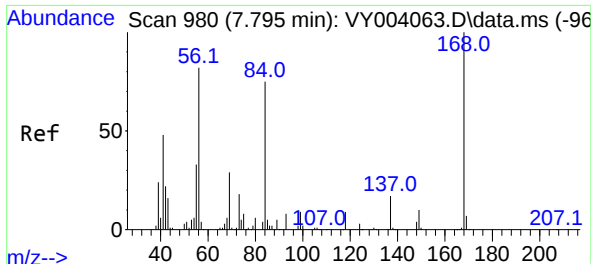
Tgt Ion:168 Resp: 177425
Ion Ratio Lower Upper
168 100
99 54.1 41.2 61.8



#16
Acetone
Concen: 786.69 ug/l
RT: 3.966 min Scan# 352
Delta R.T. 0.006 min
Lab File: VY004188.D
Acq: 24 Mar 2021 15:35

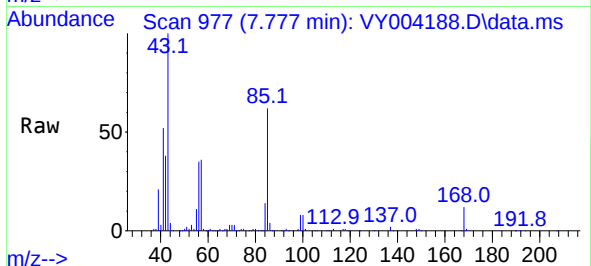
Tgt Ion: 43 Resp: 332479
Ion Ratio Lower Upper
43 100
58 31.0 22.6 34.0



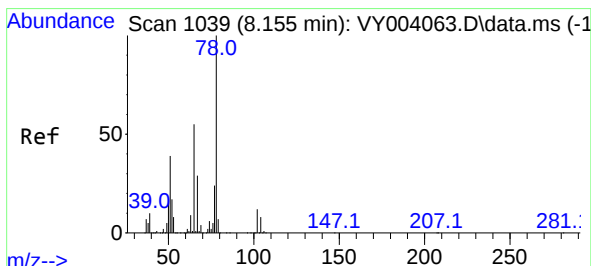
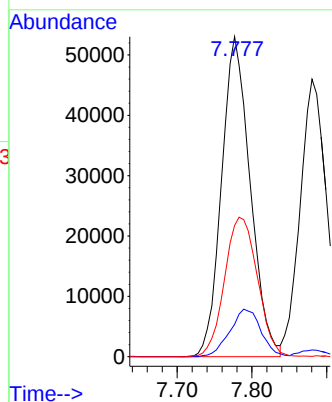
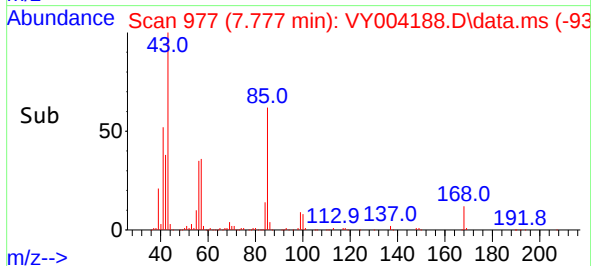


#31
Cyclohexane
Concen: 46.04 ug/l
RT: 7.777 min Scan# 977
Delta R.T. -0.018 min
Lab File: VY004188.D
Acq: 24 Mar 2021 15:35

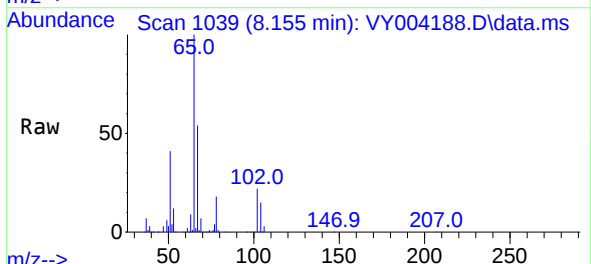
Instrument :
MSVOA_Y
ClientSampled :
110



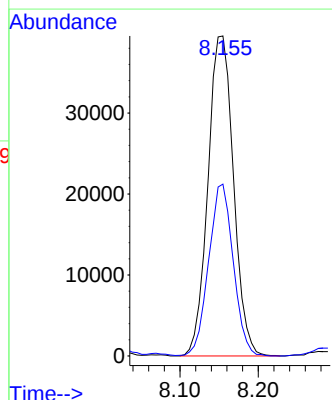
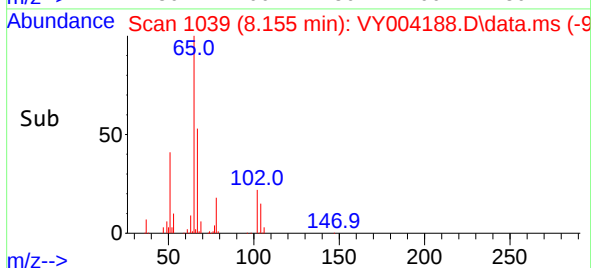
Tgt Ion: 56 Resp: 141415
Ion Ratio Lower Upper
56 100
69 10.1 25.3 37.9#
84 41.0 67.3 100.9#

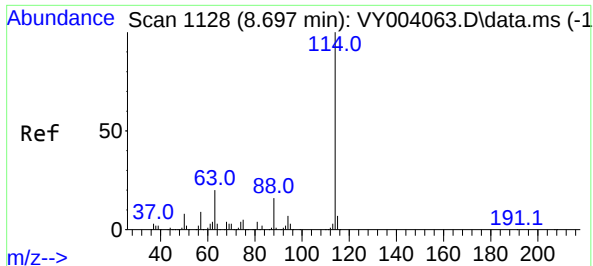


#33
1,2-Dichloroethane-d4
Concen: 51.25 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. -0.000 min
Lab File: VY004188.D
Acq: 24 Mar 2021 15:35



Tgt Ion: 65 Resp: 89731
Ion Ratio Lower Upper
65 100
67 51.6 0.0 101.4





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.000 min

Lab File: VY004188.D

Acq: 24 Mar 2021 15:35

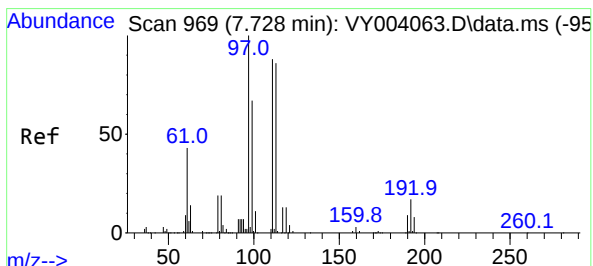
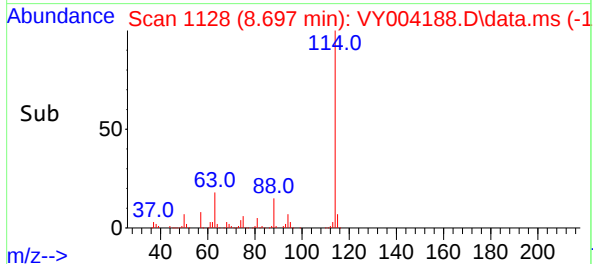
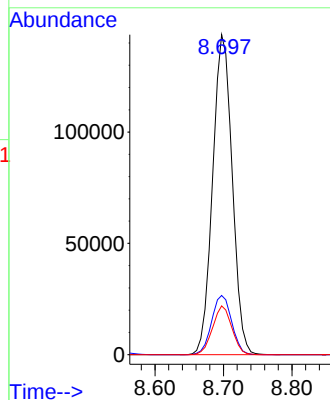
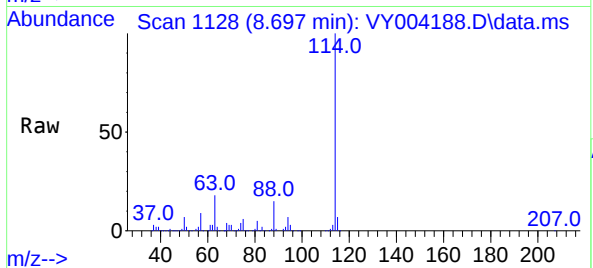
Tgt Ion:114 Resp: 285050

Ion Ratio Lower Upper

114 100

63 18.5 0.0 41.6

88 15.2 0.0 31.4



#35

Dibromofluoromethane

Concen: 53.95 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.000 min

Lab File: VY004188.D

Acq: 24 Mar 2021 15:35

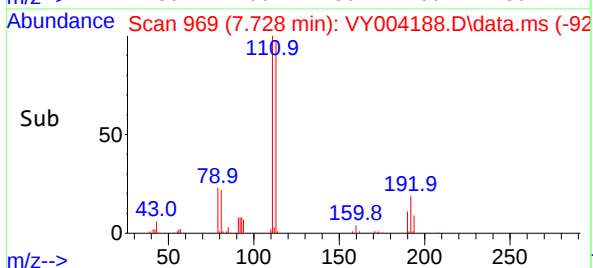
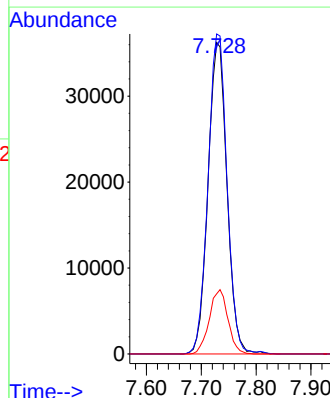
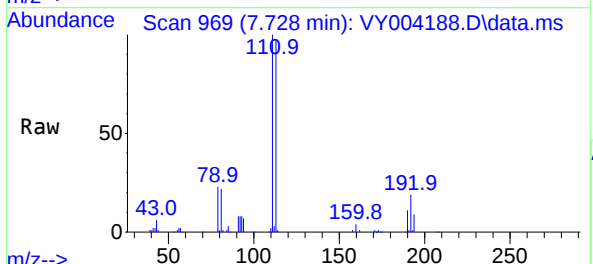
Tgt Ion:113 Resp: 86715

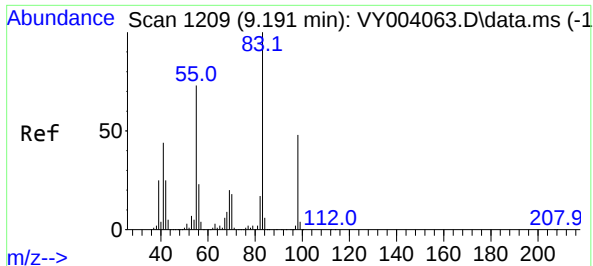
Ion Ratio Lower Upper

113 100

111 102.9 83.2 124.8

192 20.4 18.5 27.7

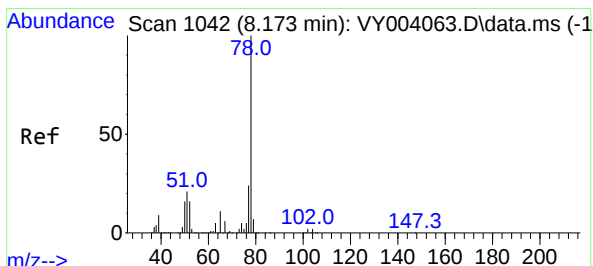
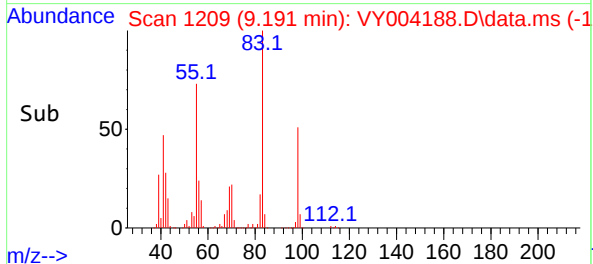
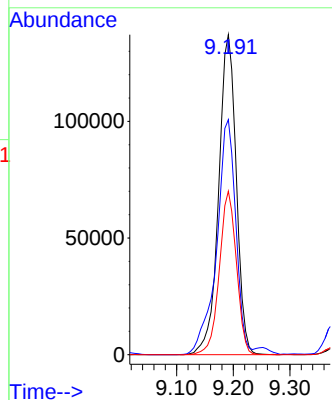
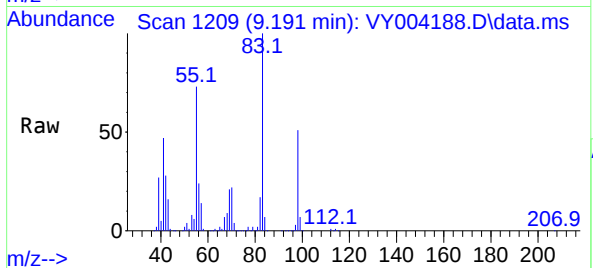




#39
Methylcyclohexane
Concen: 91.47 ug/l
RT: 9.191 min Scan# 1209
Delta R.T. 0.000 min
Lab File: VY004188.D
Acq: 24 Mar 2021 15:35

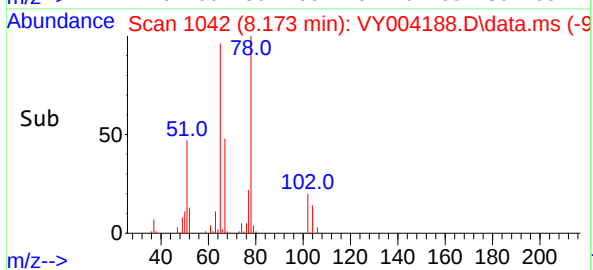
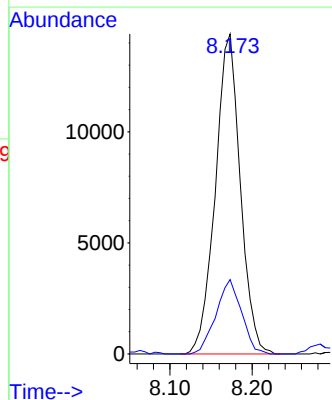
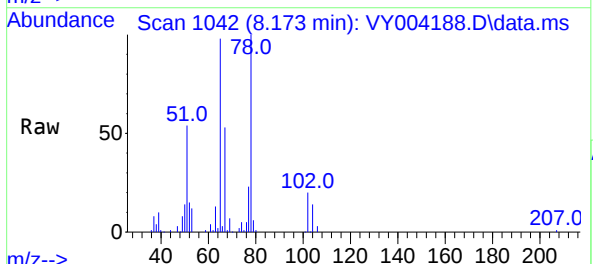
Instrument :
MSVOA_Y
ClientSampleId :
110

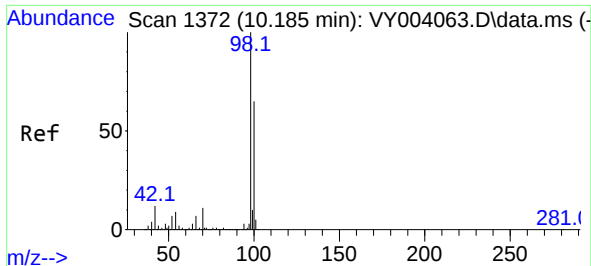
Tgt Ion: 83 Resp: 295882
Ion Ratio Lower Upper
83 100
55 73.4 65.6 98.4
98 51.1 39.5 59.3



#40
Benzene
Concen: 4.31 ug/l
RT: 8.173 min Scan# 1042
Delta R.T. 0.000 min
Lab File: VY004188.D
Acq: 24 Mar 2021 15:35

Tgt Ion: 78 Resp: 30402
Ion Ratio Lower Upper
78 100
77 23.2 20.1 30.1

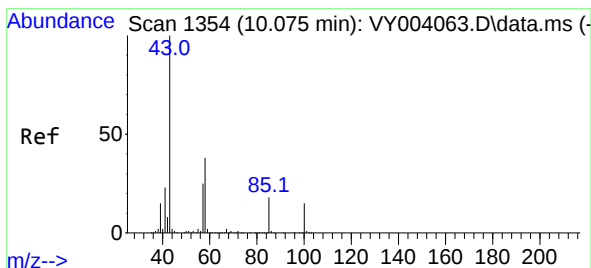
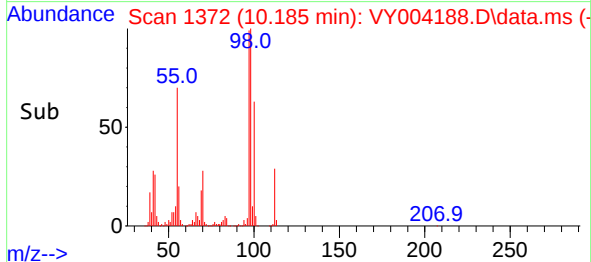
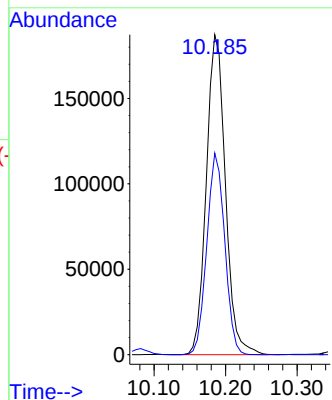
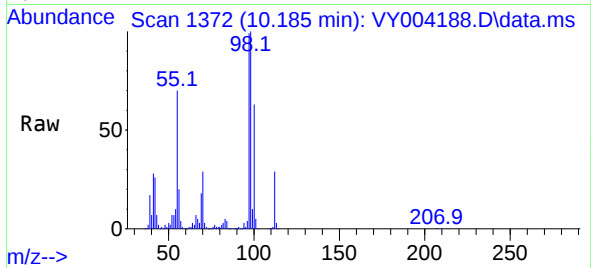




#50
Toluene-d8
Concen: 55.10 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY004188.D
Acq: 24 Mar 2021 15:35

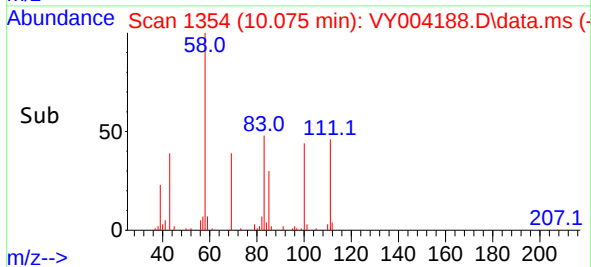
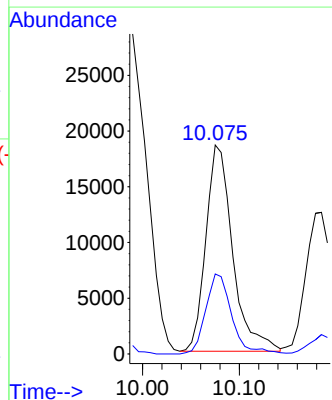
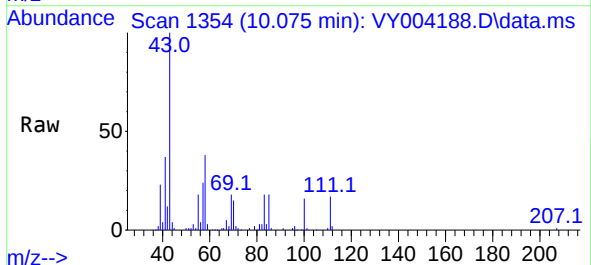
Instrument :
MSVOA_Y
ClientSampled :
110

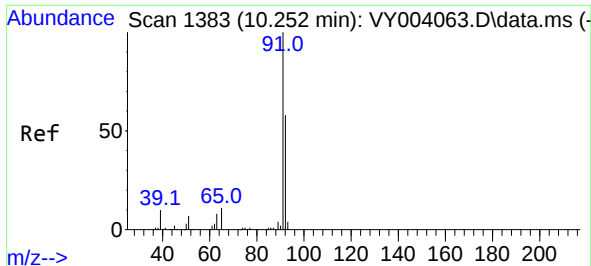
Tgt Ion: 98 Resp: 347209
Ion Ratio Lower Upper
98 100
100 59.2 51.8 77.6



#51
4-Methyl-2-Pentanone
Concen: 26.11 ug/l
RT: 10.075 min Scan# 1354
Delta R.T. 0.000 min
Lab File: VY004188.D
Acq: 24 Mar 2021 15:35

Tgt Ion: 43 Resp: 35786
Ion Ratio Lower Upper
43 100
58 37.4 29.8 44.8

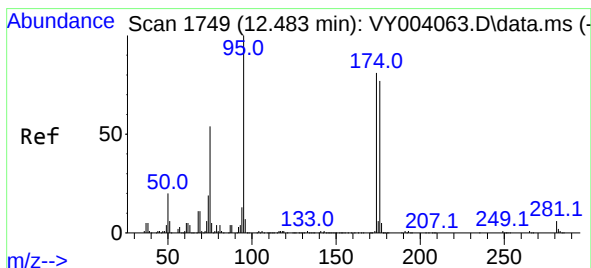
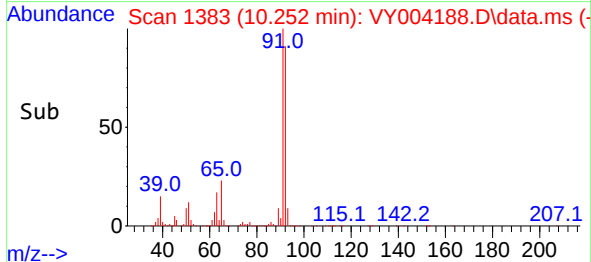
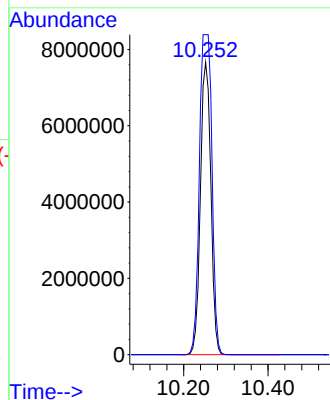
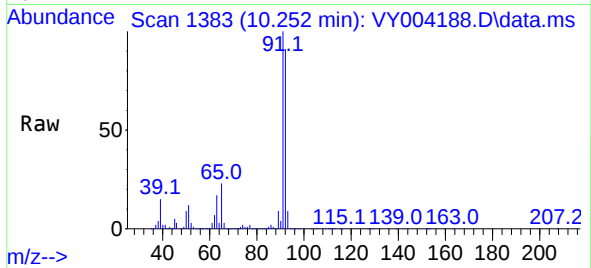




#52
Toluene
Concen: 2885.56 ug/l
RT: 10.252 min Scan# 1383
Delta R.T. -0.000 min
Lab File: VY004188.D
Acq: 24 Mar 2021 15:35

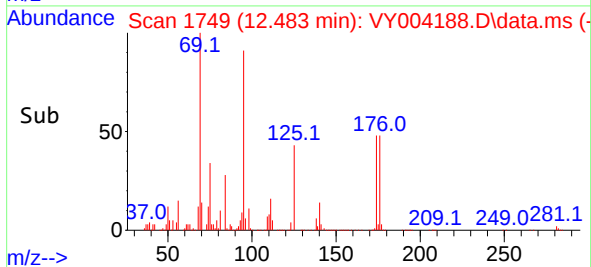
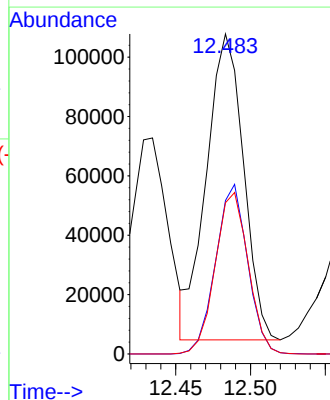
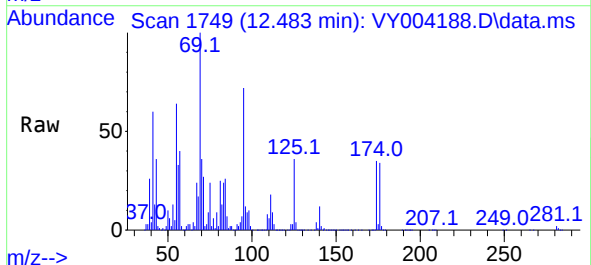
Instrument :
MSVOA_Y
ClientSampled :
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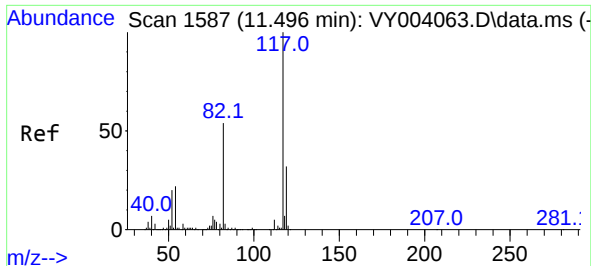
Tgt Ion: 92 Resp:13183097
Ion Ratio Lower Upper
92 100
91 132.1 141.0 211.4#



#62
4-Bromofluorobenzene
Concen: 76.34 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY004188.D
Acq: 24 Mar 2021 15:35

Tgt Ion: 95 Resp: 177674
Ion Ratio Lower Upper
95 100
174 47.9 0.0 179.0
176 47.0 0.0 174.4



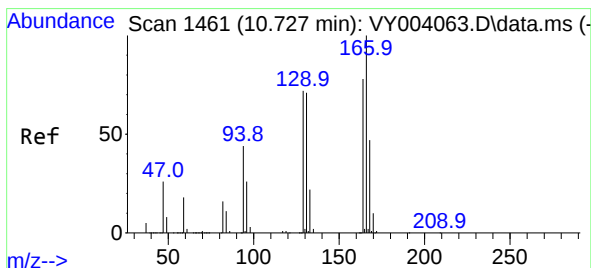
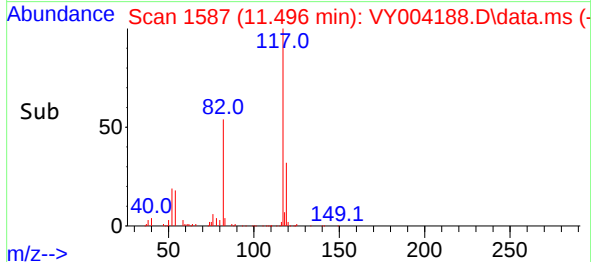
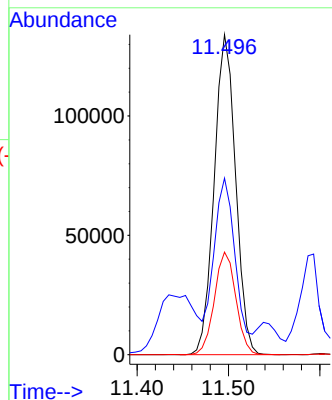
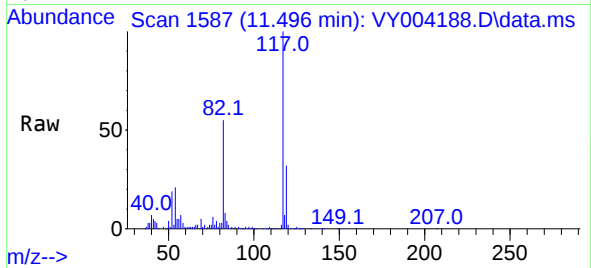


#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY004188.D
Acq: 24 Mar 2021 15:35

Instrument :
MSVOA_Y
ClientSampled :
110

Tgt Ion:117 Resp: 218125

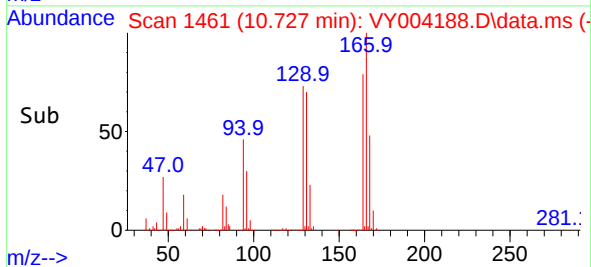
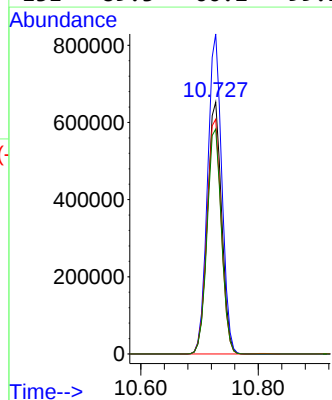
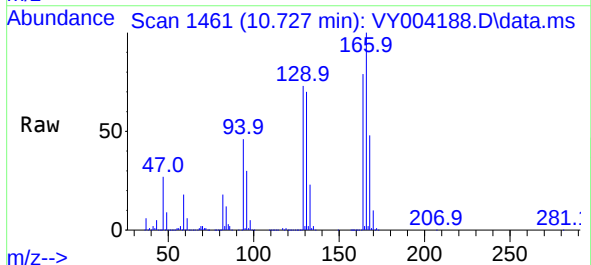
Ion	Ratio	Lower	Upper
117	100		
82	50.1	43.8	65.6
119	32.1	26.2	39.2

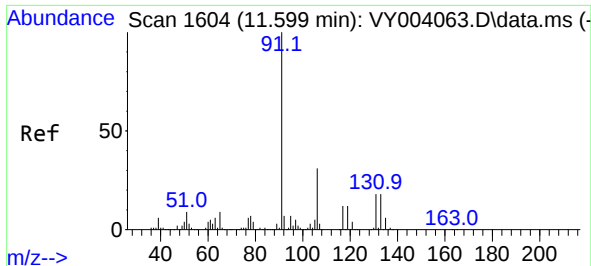


#64
Tetrachloroethene
Concen: 603.54 ug/l
RT: 10.727 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VY004188.D
Acq: 24 Mar 2021 15:35

Tgt Ion:164 Resp: 1102070

Ion	Ratio	Lower	Upper
164	100		
166	127.0	102.7	154.1
129	93.2	70.6	105.8
131	89.3	66.2	99.2

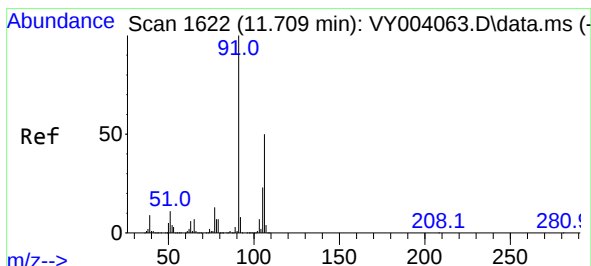
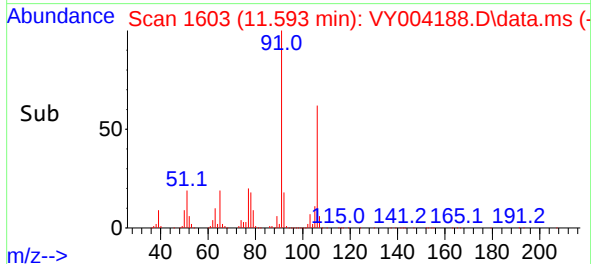
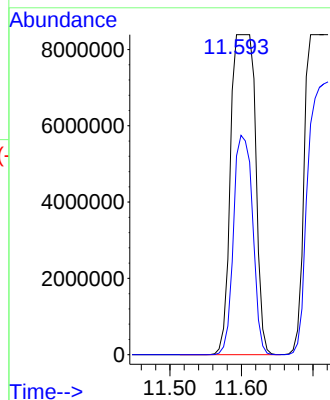
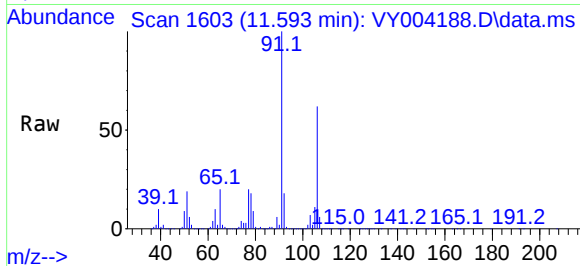




#67
Ethyl Benzene
Concen: 2600.94 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. -0.006 min
Lab File: VY004188.D
Acq: 24 Mar 2021 15:35

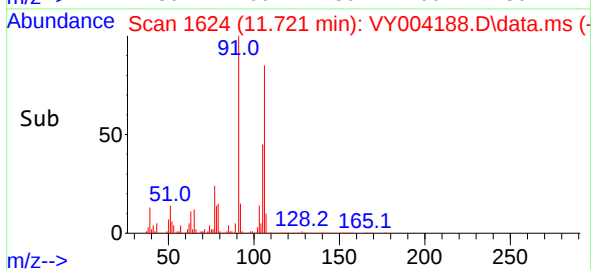
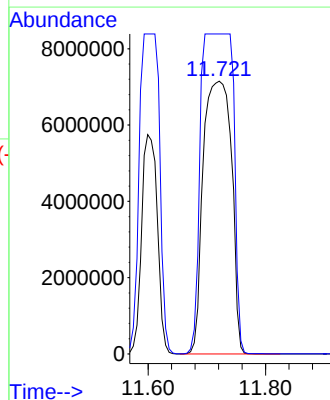
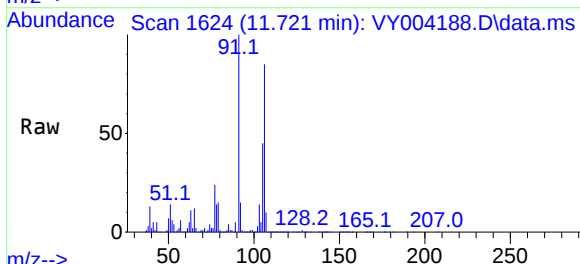
Instrument :
MSVOA_Y
ClientSampled :
110

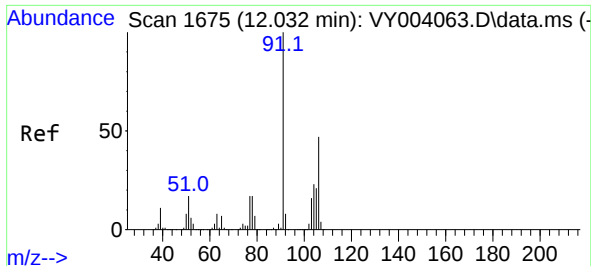
Tgt Ion: 91 Resp:19962102
Ion Ratio Lower Upper
91 100
106 62.1 24.5 36.7#



#68
m/p-Xylenes
Concen: 8112.98 ug/l
RT: 11.721 min Scan# 1624
Delta R.T. 0.012 min
Lab File: VY004188.D
Acq: 24 Mar 2021 15:35

Tgt Ion:106 Resp:23745128
Ion Ratio Lower Upper
106 100
91 0.0 165.4 248.0#

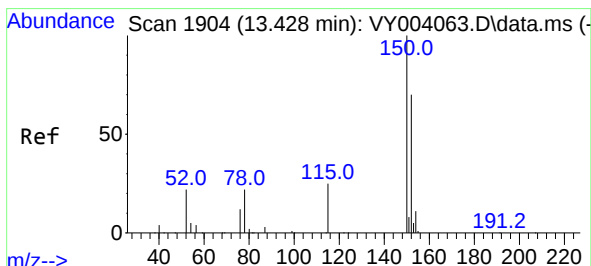
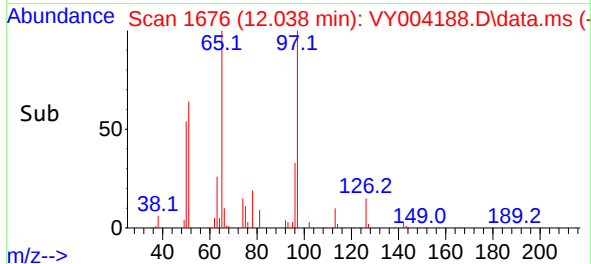
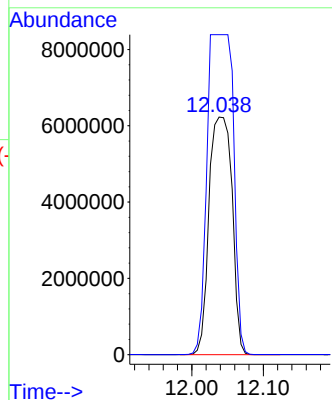
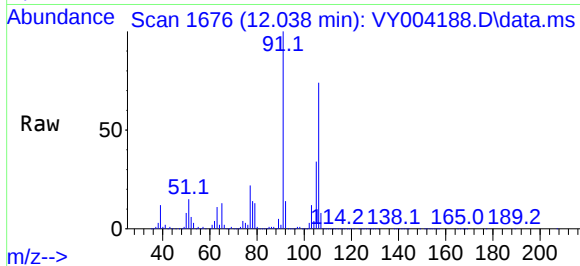




#69
o-Xylene
Concen: 5021.05 ug/l
RT: 12.038 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VY004188.D
Acq: 24 Mar 2021 15:35

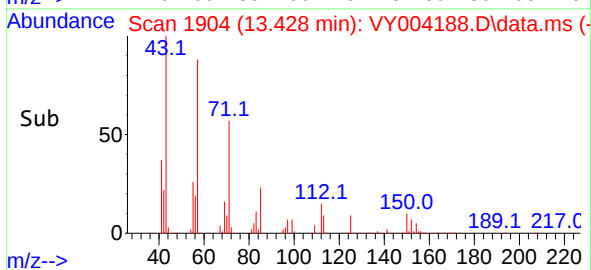
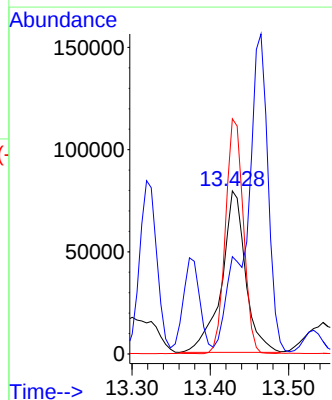
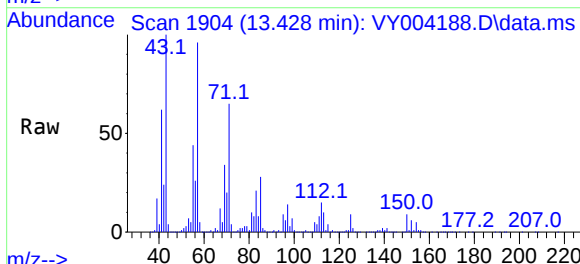
Instrument :
MSVOA_Y
ClientSampled :
110

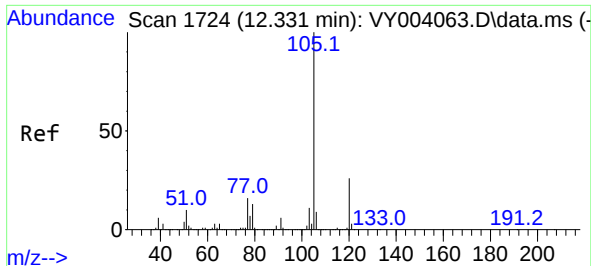
Tgt Ion:106 Resp:13892014
Ion Ratio Lower Upper
106 100
91 0.0 108.9 326.7#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY004188.D
Acq: 24 Mar 2021 15:35

Tgt Ion:152 Resp: 167090
Ion Ratio Lower Upper
152 100
115 0.0 28.2 84.6#
150 108.8 0.0 347.2

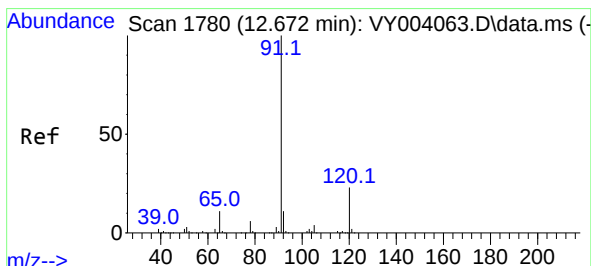
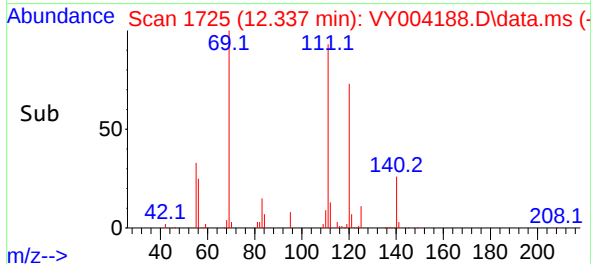
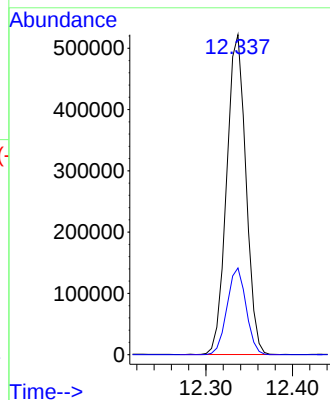
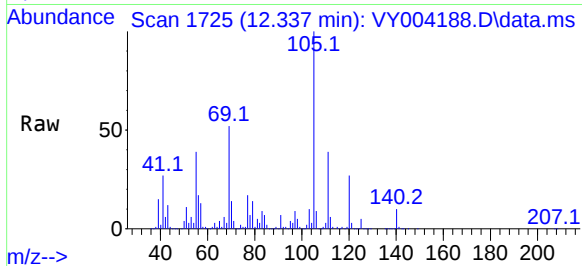




#73
Isopropylbenzene
Concen: 69.40 ug/l
RT: 12.337 min Scan# 1725
Delta R.T. 0.006 min
Lab File: VY004188.D
Acq: 24 Mar 2021 15:35

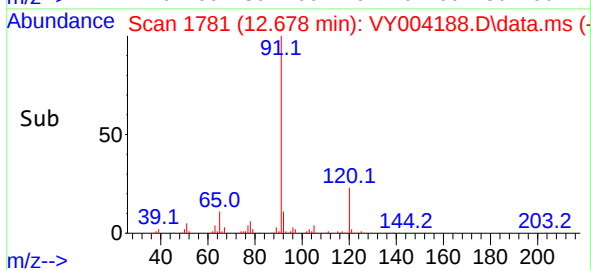
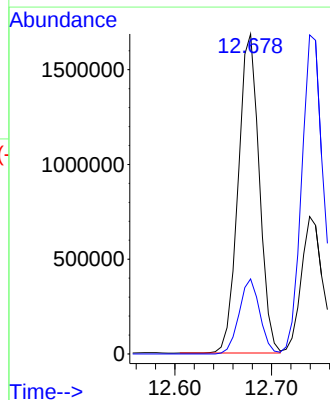
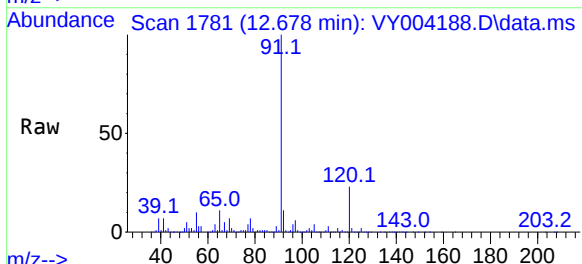
Instrument :
MSVOA_Y
ClientSampled :
110

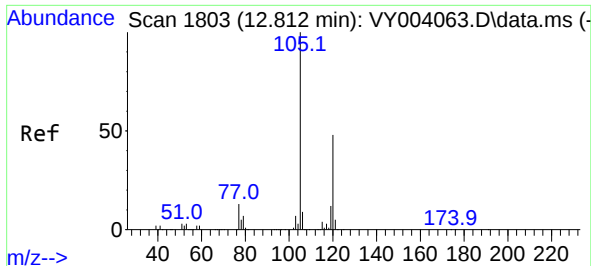
Tgt Ion:105 Resp: 805910
Ion Ratio Lower Upper
105 100
120 26.8 13.3 39.9



#78
n-propylbenzene
Concen: 186.23 ug/l
RT: 12.678 min Scan# 1781
Delta R.T. 0.006 min
Lab File: VY004188.D
Acq: 24 Mar 2021 15:35

Tgt Ion: 91 Resp: 2547914
Ion Ratio Lower Upper
91 100
120 23.2 11.3 33.9

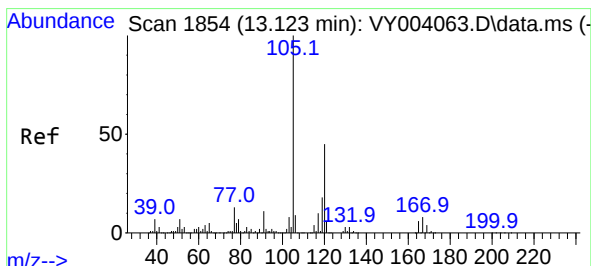
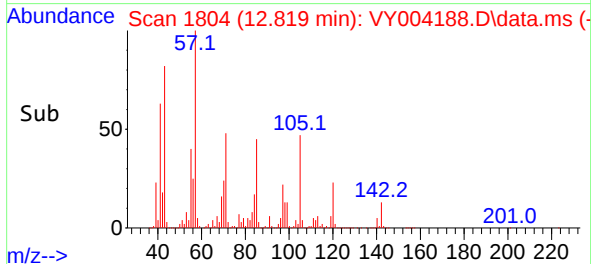
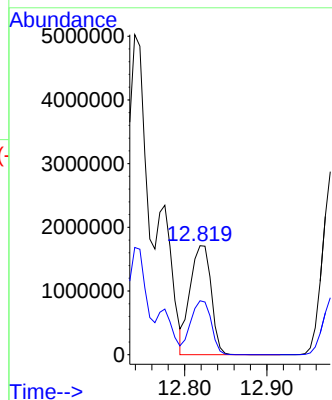
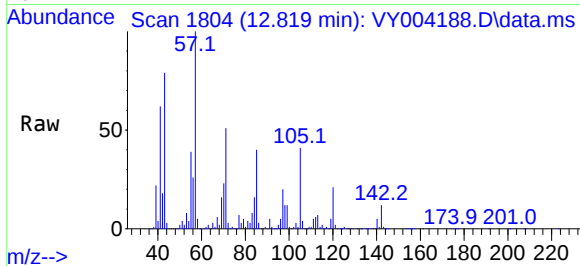




#80
1,3,5-Trimethylbenzene
Concen: 308.72 ug/l
RT: 12.819 min Scan# 1804
Delta R.T. 0.007 min
Lab File: VY004188.D
Acq: 24 Mar 2021 15:35

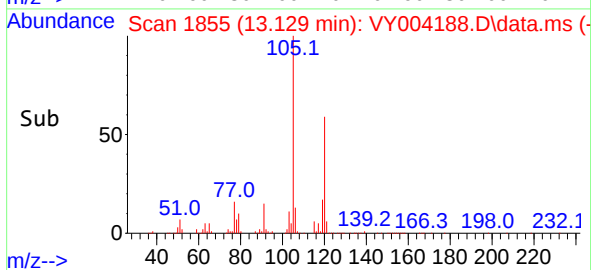
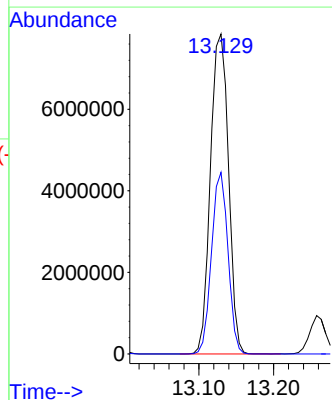
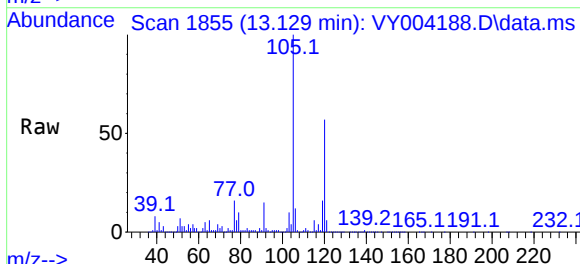
Instrument :
MSVOA_Y
ClientSampled :
110

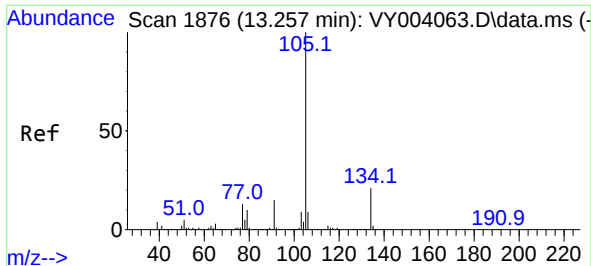
Tgt Ion:105 Resp: 3040596
Ion Ratio Lower Upper
105 100
120 48.5 24.1 72.2



#84
1,2,4-Trimethylbenzene
Concen: 1331.23 ug/l
RT: 13.129 min Scan# 1855
Delta R.T. 0.006 min
Lab File: VY004188.D
Acq: 24 Mar 2021 15:35

Tgt Ion:105 Resp:13131483
Ion Ratio Lower Upper
105 100
120 51.7 22.1 66.3

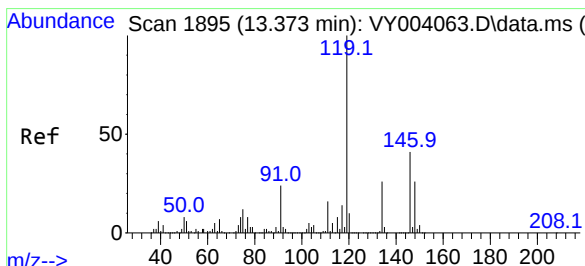
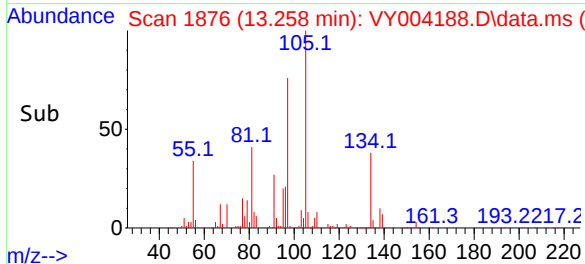
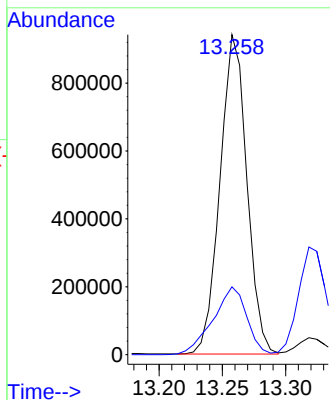
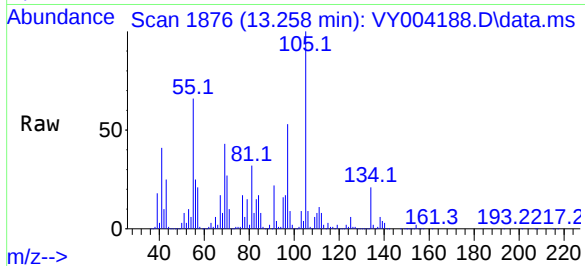




#85
sec-Butylbenzene
Concen: 118.73 ug/l
RT: 13.258 min Scan# 1876
Delta R.T. 0.001 min
Lab File: VY004188.D
Acq: 24 Mar 2021 15:35

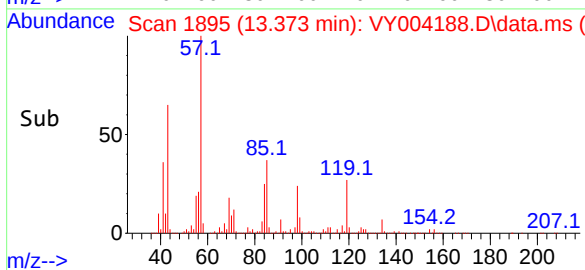
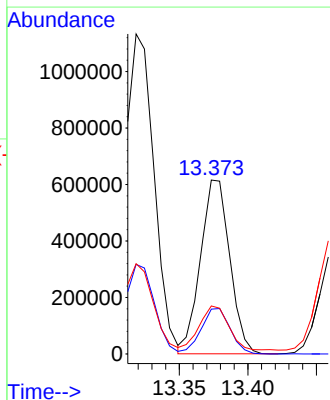
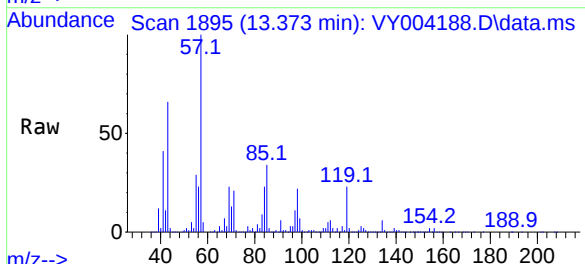
Instrument :
MSVOA_Y
ClientSampled :
110

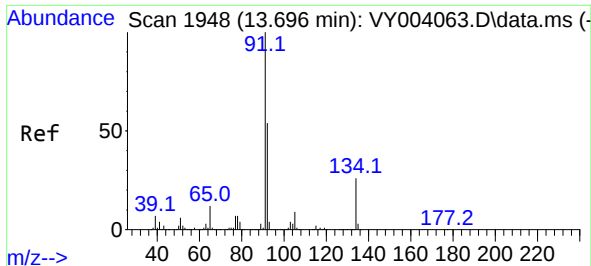
Tgt Ion:105 Resp: 1387394
Ion Ratio Lower Upper
105 100
134 26.8 10.2 30.4



#86
p-Isopropyltoluene
Concen: 84.65 ug/l
RT: 13.373 min Scan# 1895
Delta R.T. 0.000 min
Lab File: VY004188.D
Acq: 24 Mar 2021 15:35

Tgt Ion:119 Resp: 917067
Ion Ratio Lower Upper
119 100
134 26.0 13.2 39.5
91 25.0 12.1 36.3

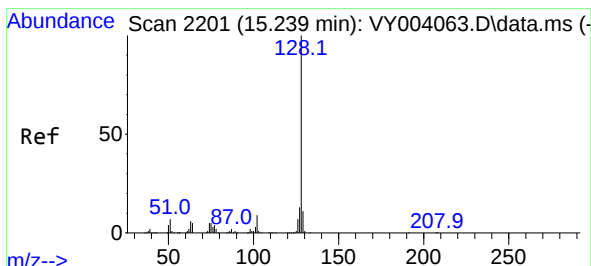
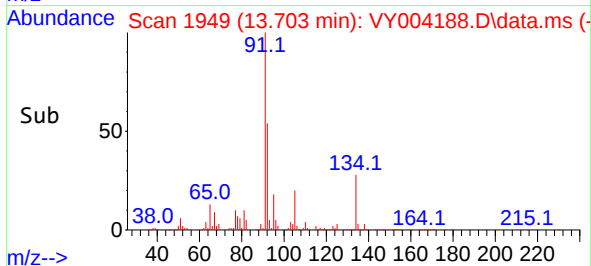
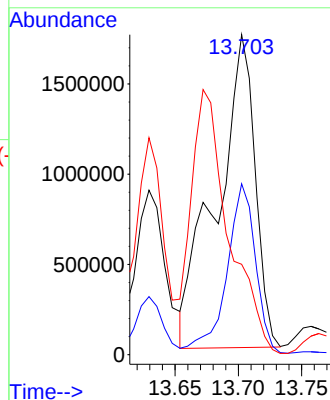
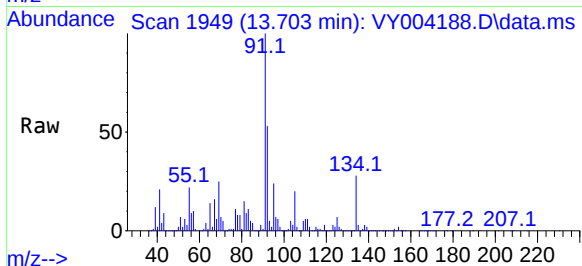




#89
n-Butylbenzene
Concen: 355.63 ug/l
RT: 13.703 min Scan# 1949
Delta R.T. 0.007 min
Lab File: VY004188.D
Acq: 24 Mar 2021 15:35

Instrument :
MSVOA_Y
ClientSampled :
110

Tgt Ion: 91 Resp: 3666432
Ion Ratio Lower Upper
91 100
92 40.7 26.5 79.4
134 0.0 13.2 39.5#



#95
Naphthalene
Concen: 156.77 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY004188.D
Acq: 24 Mar 2021 15:35

Tgt Ion:128 Resp: 967642
Ion Ratio Lower Upper
128 100
127 13.5 10.6 16.0
129 12.0 8.7 13.1

