

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011722\
 Data File : VY007190.D
 Acq On : 17 Jan 2022 16:26
 Operator : SY/MD
 Sample : N1145-01
 Misc : 7.15g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 A3-1-5.5

Quant Time: Jan 18 03:09:58 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011322S.M
 Quant Title : SW846 8260
 QLast Update : Fri Jan 14 05:48:29 2022
 Response via : Initial Calibration

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

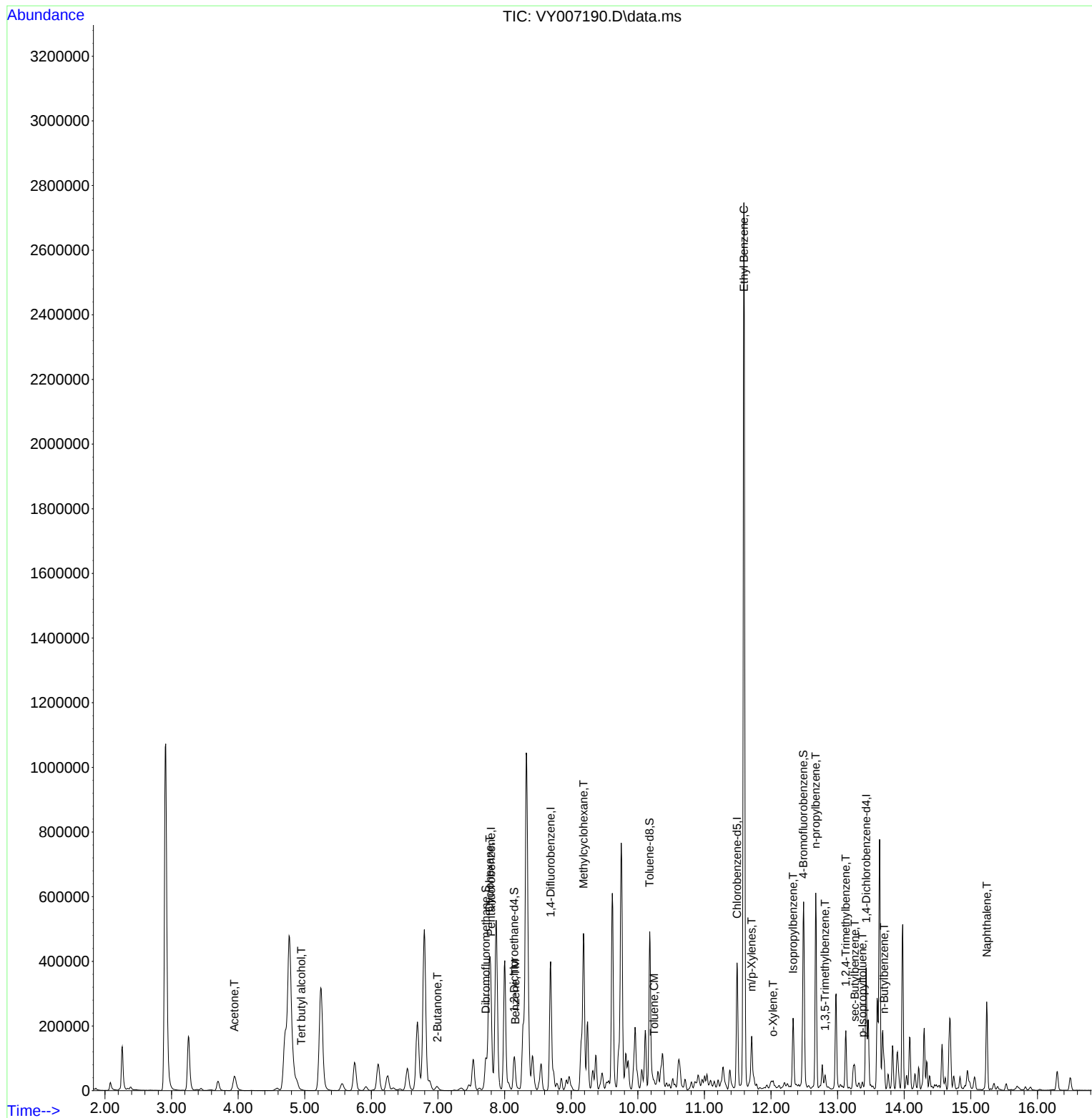
Internal Standards						
1) Pentafluorobenzene	7.795	168	113244	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	204912	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	197223	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	88231	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	77746	55.952	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 111.900%			
35) Dibromofluoromethane	7.716	113	69238	49.970	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.940%			
50) Toluene-d8	10.179	98	258719	51.101	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 102.200%			
62) 4-Bromofluorobenzene	12.483	95	96585	53.631	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 107.260%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.948	59	2811	19.284	ug/l #	73
16) Acetone	3.942	43	40412	112.064	ug/l #	74
25) 2-Butanone	6.990	43	10652	22.847	ug/l #	83
31) Cyclohexane	7.777	56	136255	58.002	ug/l #	79
39) Methylcyclohexane	9.185	83	149209	55.223	ug/l	92
40) Benzene	8.161	78	17203	2.914	ug/l	99
52) Toluene	10.246	92	9894	2.644	ug/l	98
67) Ethyl Benzene	11.593	91	1852093	228.508	ug/l	99
68) m/p-Xylenes	11.709	106	36427	12.094	ug/l	100
69) o-Xylene	12.032	106	3973	1.401	ug/l	94
73) Isopropylbenzene	12.331	105	142132	18.651	ug/l	100
78) n-propylbenzene	12.672	91	453276	47.982	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	12577	2.010	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	95201	15.350	ug/l	99
85) sec-Butylbenzene	13.257	105	43213	5.342	ug/l #	57
86) p-Isopropyltoluene	13.373	119	9324	1.403	ug/l	98
89) n-Butylbenzene	13.696	91	60479	9.241	ug/l #	67
95) Naphthalene	15.239	128	209323	56.120	ug/l	100

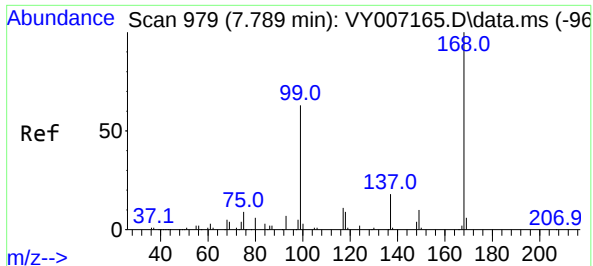
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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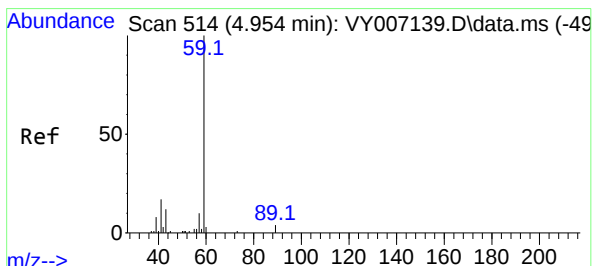
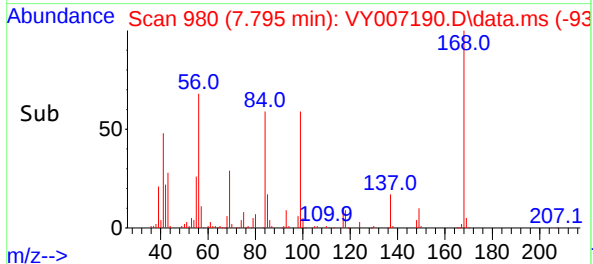
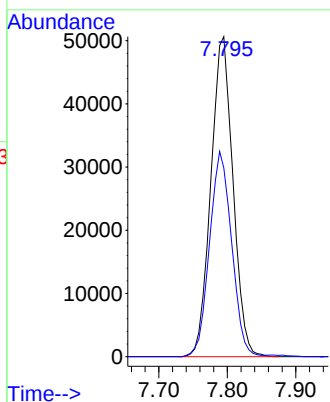
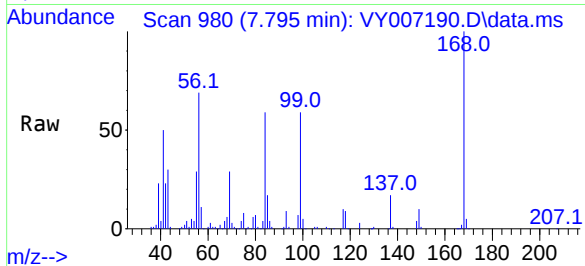




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY007190.D
Acq: 17 Jan 2022 16:26

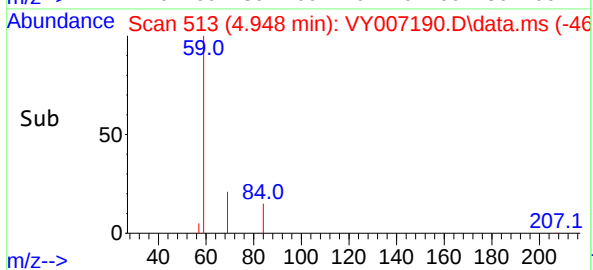
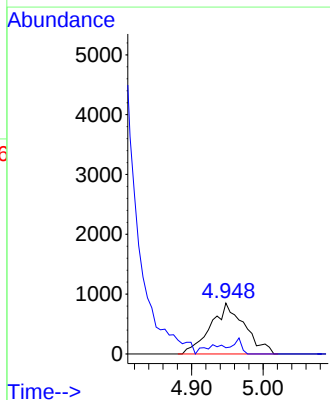
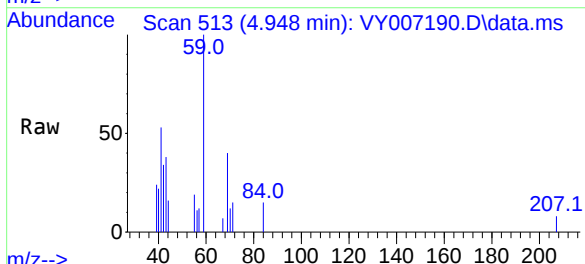
Instrument :
MSVOA_Y
ClientSampleId :
A3-1-5.5

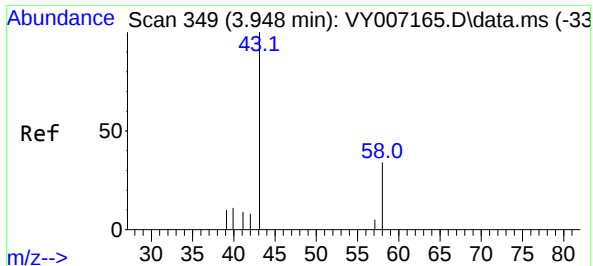
Tgt Ion:168 Resp: 113244
Ion Ratio Lower Upper
168 100
99 59.0 49.1 73.7



#11
Tert butyl alcohol
Concen: 19.284 ug/l
RT: 4.948 min Scan# 513
Delta R.T. -0.006 min
Lab File: VY007190.D
Acq: 17 Jan 2022 16:26

Tgt Ion: 59 Resp: 2811
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#





#16

Acetone

Concen: 112.064 ug/l

RT: 3.942 min Scan# 34

Delta R.T. -0.006 min

Lab File: VY007190.D

Acq: 17 Jan 2022 16:26

Instrument :

MSVOA_Y

ClientSampleId :

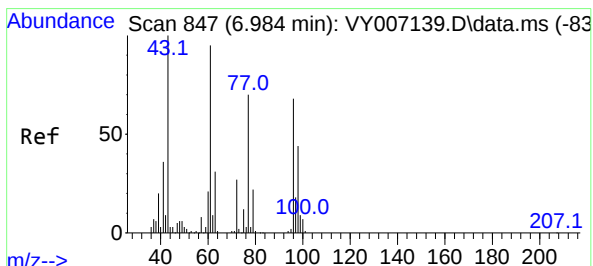
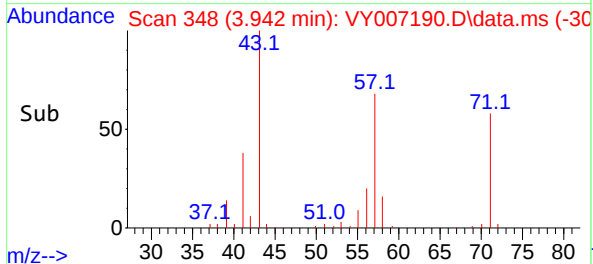
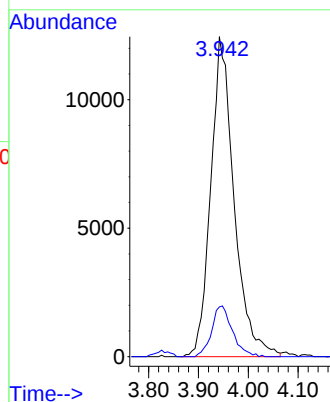
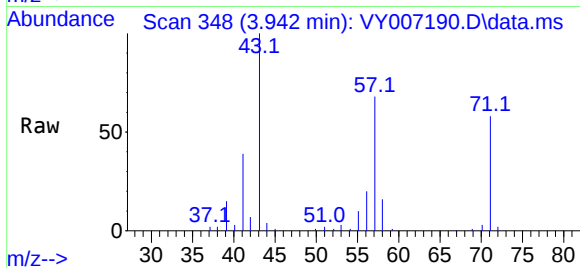
A3-1-5.5

Tgt Ion: 43 Resp: 40412

Ion Ratio Lower Upper

43 100

58 15.5 23.8 35.6#



#25

2-Butanone

Concen: 22.847 ug/l

RT: 6.990 min Scan# 848

Delta R.T. 0.006 min

Lab File: VY007190.D

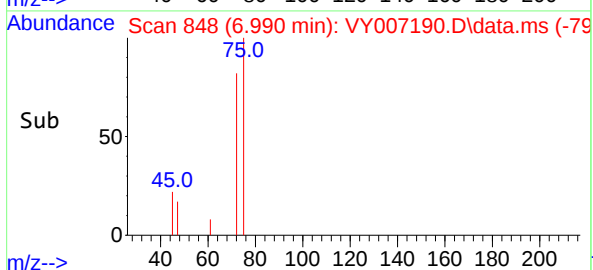
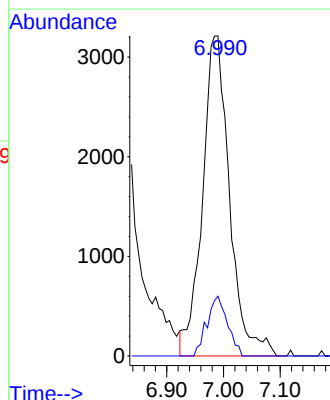
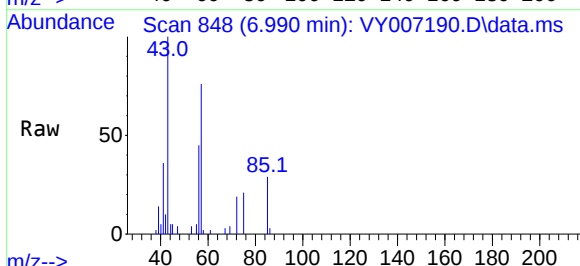
Acq: 17 Jan 2022 16:26

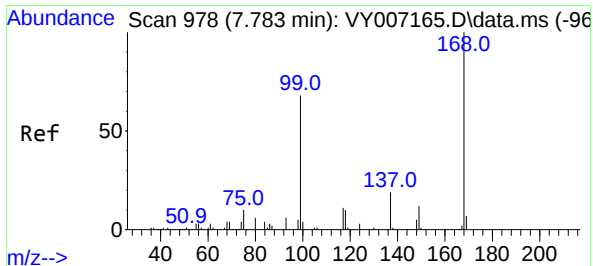
Tgt Ion: 43 Resp: 10652

Ion Ratio Lower Upper

43 100

72 18.7 21.9 32.9#

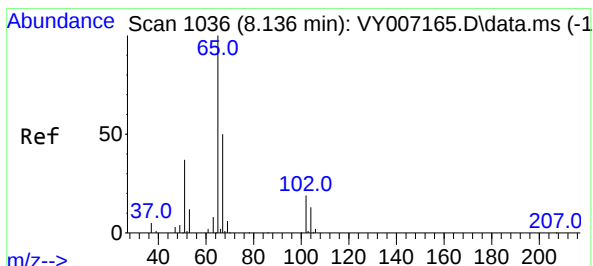
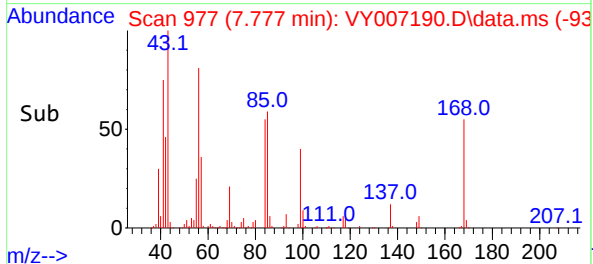
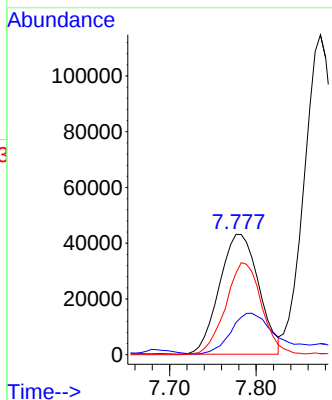
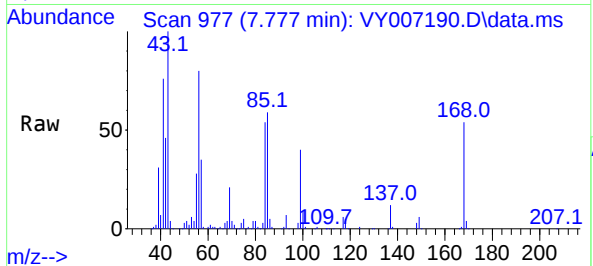




#31
Cyclohexane
Concen: 58.002 ug/l
RT: 7.777 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY007190.D
Acq: 17 Jan 2022 16:26

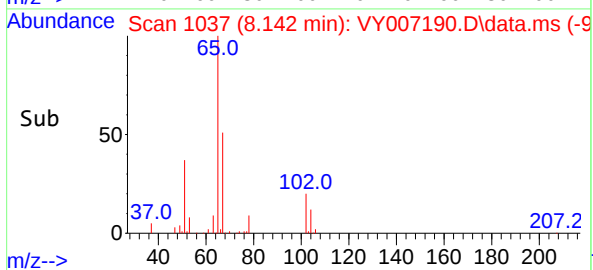
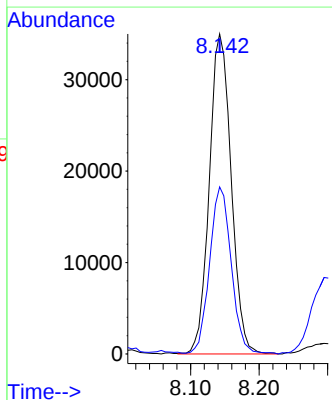
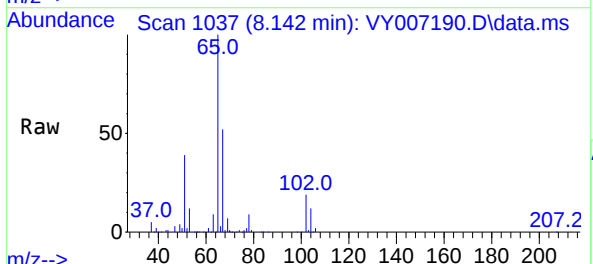
Instrument :
MSVOA_Y
ClientSampleId :
A3-1-5.5

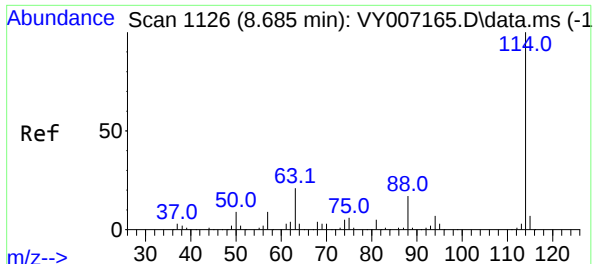
Tgt Ion: 56 Resp: 136255
Ion Ratio Lower Upper
56 100
69 24.9 27.2 40.8#
84 68.1 72.1 108.1#



#33
1,2-Dichloroethane-d4
Concen: 55.952 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY007190.D
Acq: 17 Jan 2022 16:26

Tgt Ion: 65 Resp: 77746
Ion Ratio Lower Upper
65 100
67 51.6 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY007190.D

Acq: 17 Jan 2022 16:26

Instrument :

MSVOA_Y

ClientSampleId :

A3-1-5.5

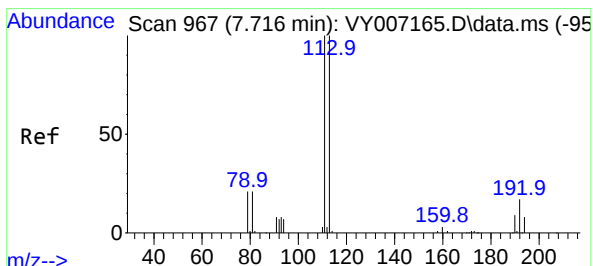
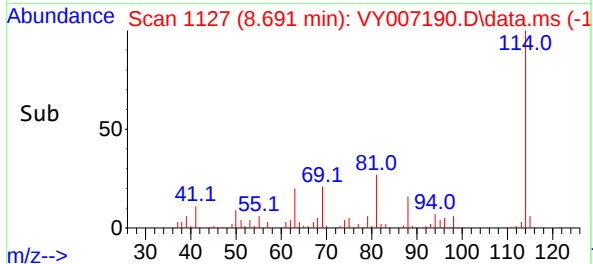
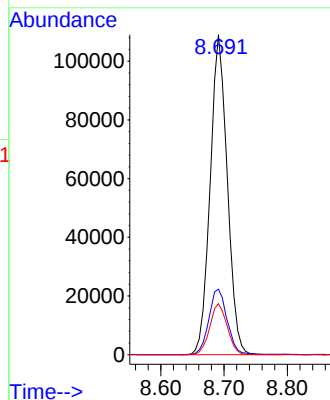
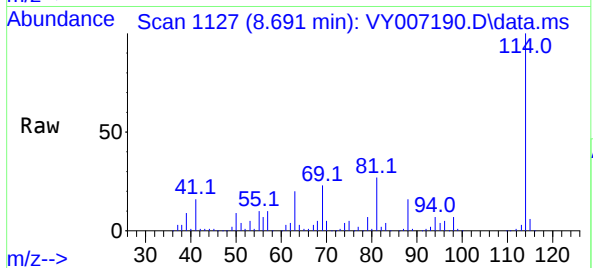
Tgt Ion:114 Resp: 204912

Ion Ratio Lower Upper

114 100

63 20.5 0.0 39.2

88 15.9 0.0 31.0



#35

Dibromofluoromethane

Concen: 49.970 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY007190.D

Acq: 17 Jan 2022 16:26

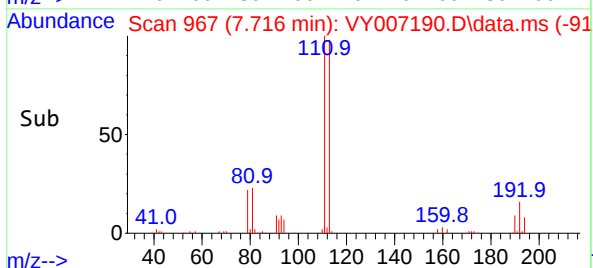
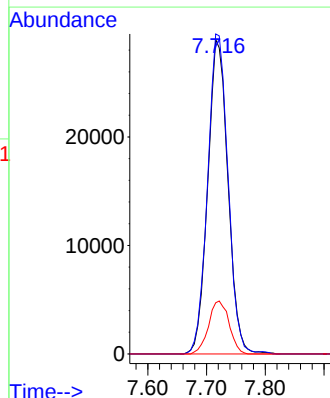
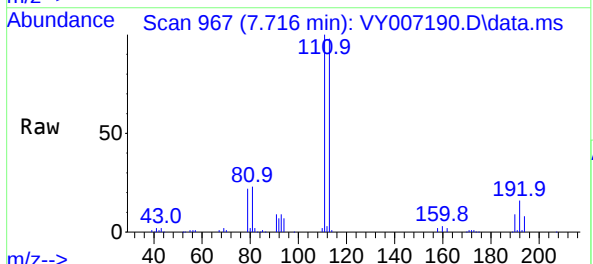
Tgt Ion:113 Resp: 69238

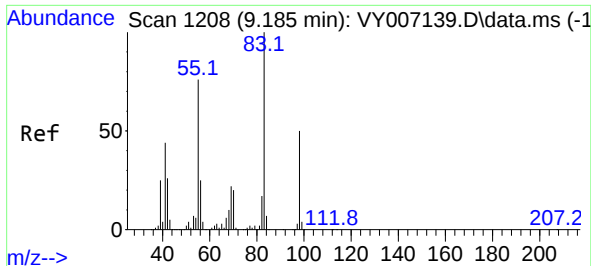
Ion Ratio Lower Upper

113 100

111 102.7 82.2 123.4

192 17.1 14.2 21.4

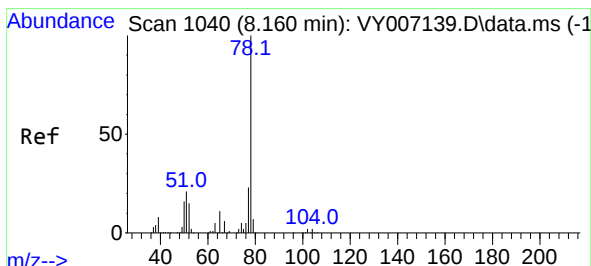
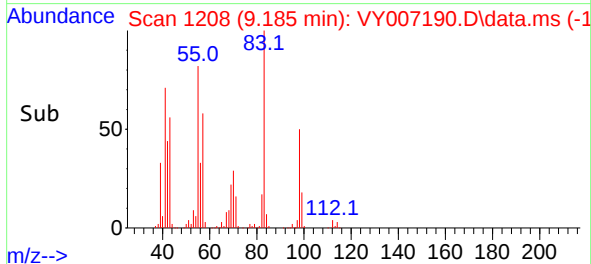
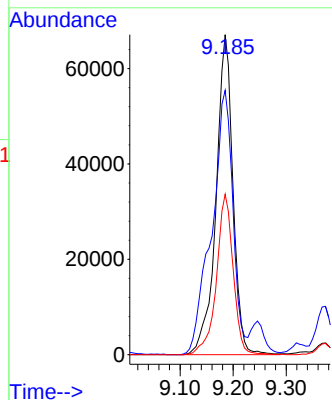
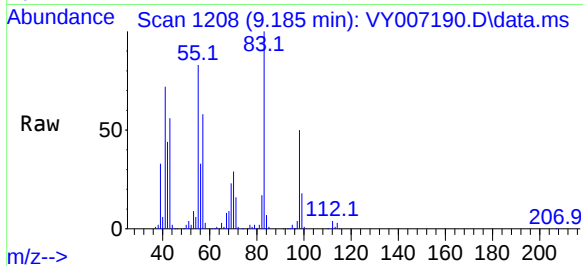




#39
Methylcyclohexane
Concen: 55.223 ug/l
RT: 9.185 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY007190.D
Acq: 17 Jan 2022 16:26

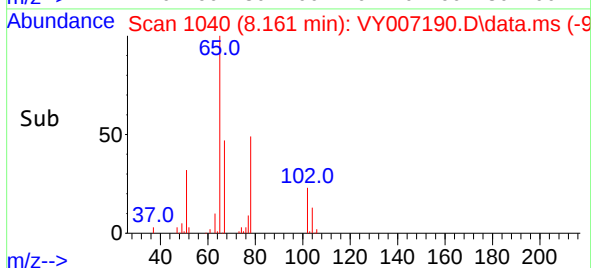
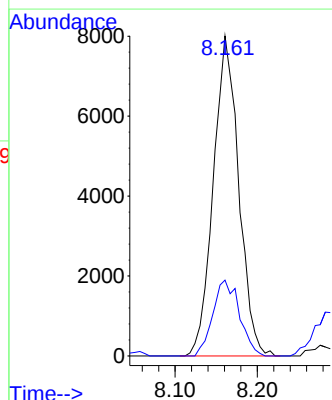
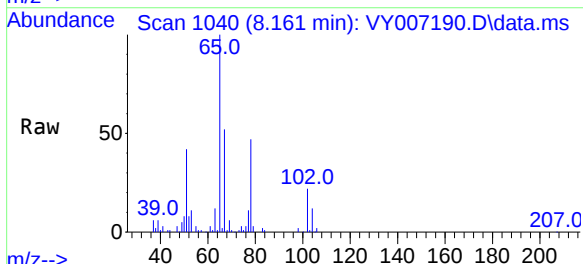
Instrument :
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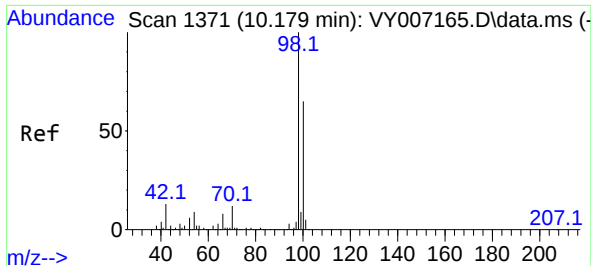
Tgt Ion: 83 Resp: 149209
Ion Ratio Lower Upper
83 100
55 82.6 58.8 88.2
98 50.1 38.7 58.1



#40
Benzene
Concen: 2.914 ug/l
RT: 8.161 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY007190.D
Acq: 17 Jan 2022 16:26

Tgt Ion: 78 Resp: 17203
Ion Ratio Lower Upper
78 100
77 23.7 18.6 27.8

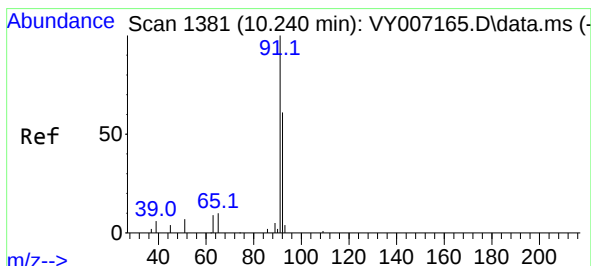
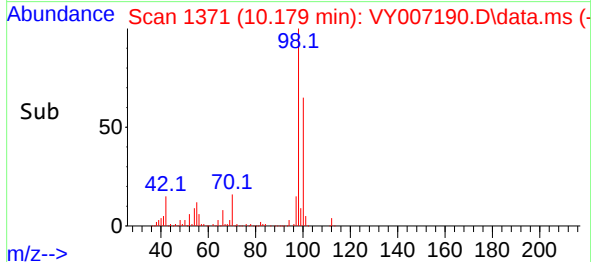
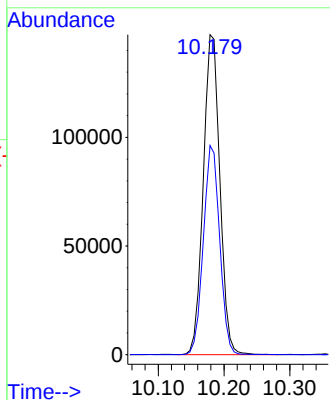
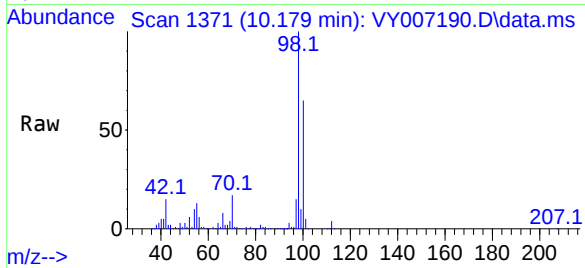




#50
Toluene-d8
Concen: 51.101 ug/l
RT: 10.179 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY007190.D
Acq: 17 Jan 2022 16:26

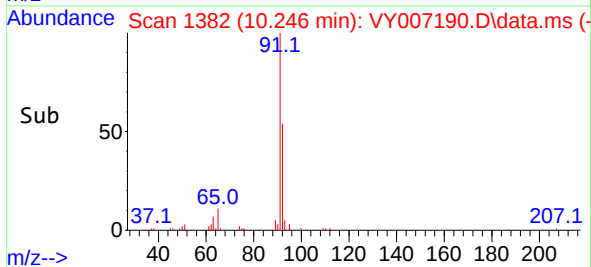
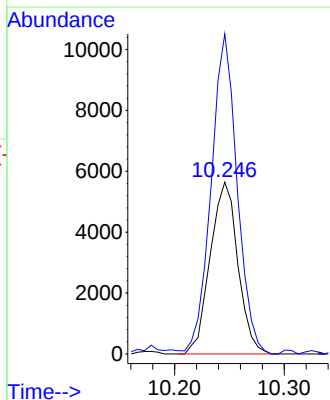
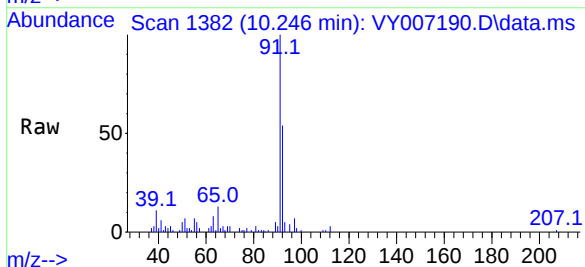
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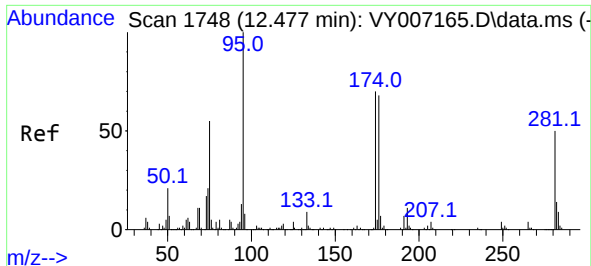
Tgt Ion: 98 Resp: 258719
Ion Ratio Lower Upper
98 100
100 64.3 52.2 78.2



#52
Toluene
Concen: 2.644 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. 0.000 min
Lab File: VY007190.D
Acq: 17 Jan 2022 16:26

Tgt Ion: 92 Resp: 9894
Ion Ratio Lower Upper
92 100
91 175.6 138.6 207.8



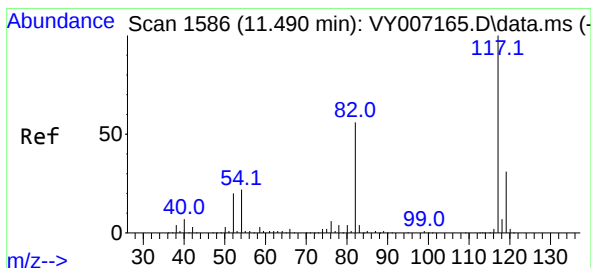
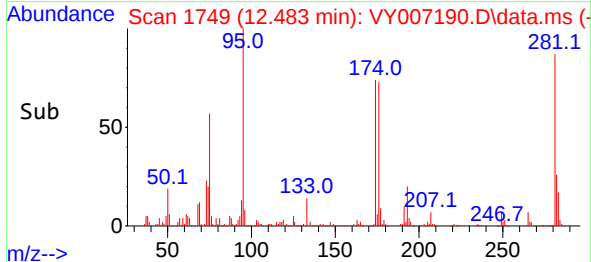
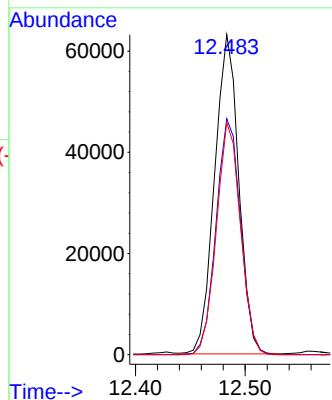
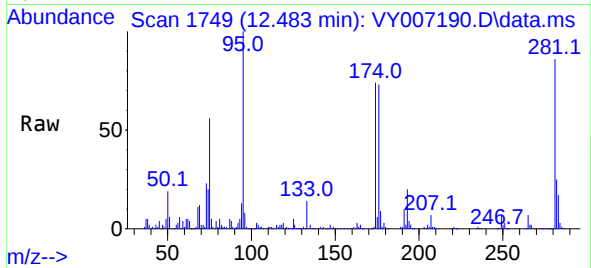


#62
4-Bromofluorobenzene
Concen: 53.631 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY007190.D
Acq: 17 Jan 2022 16:26

Instrument :
MSVOA_Y
ClientSampleId :
A3-1-5.5

Tgt Ion: 95 Resp: 96585

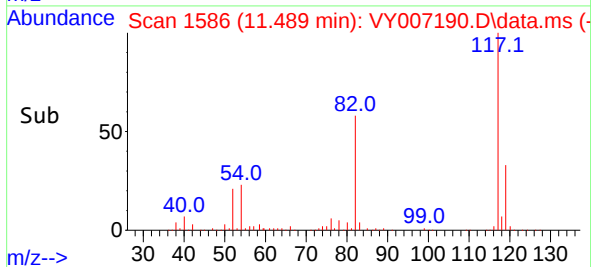
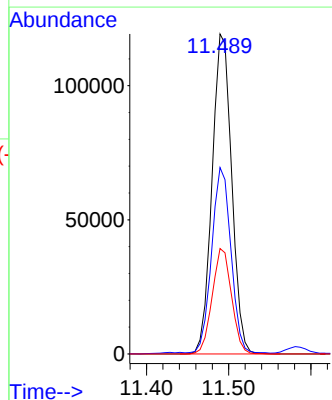
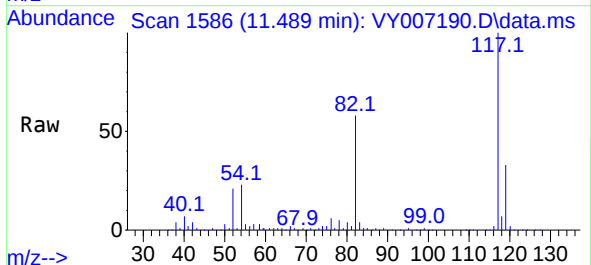
Ion	Ratio	Lower	Upper
95	100		
174	75.1	0.0	148.4
176	72.5	0.0	146.6

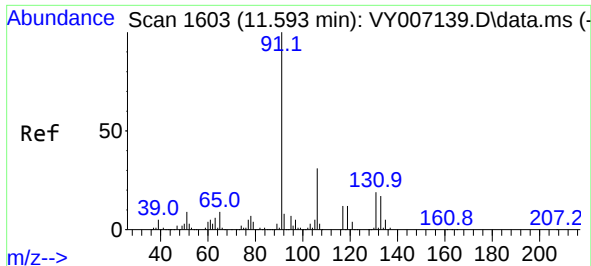


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY007190.D
Acq: 17 Jan 2022 16:26

Tgt Ion: 117 Resp: 197223

Ion	Ratio	Lower	Upper
117	100		
82	57.7	45.4	68.0
119	33.0	26.4	39.6

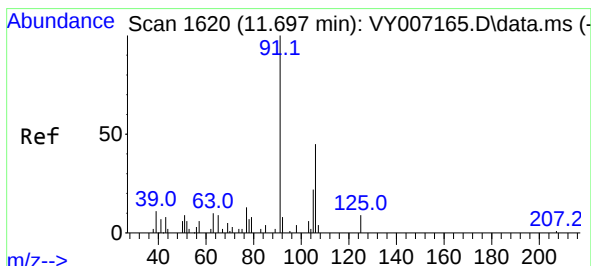
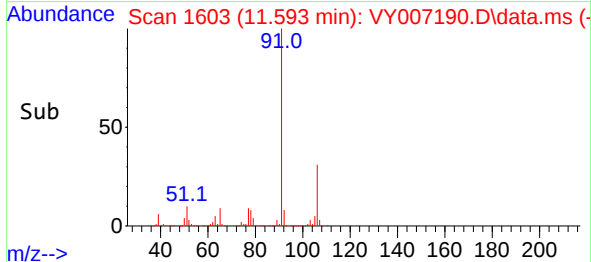
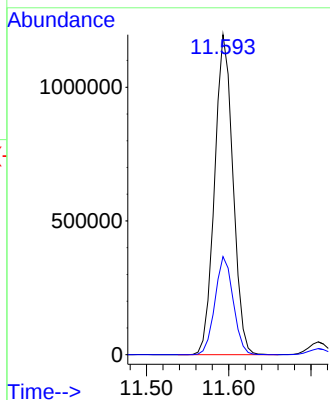
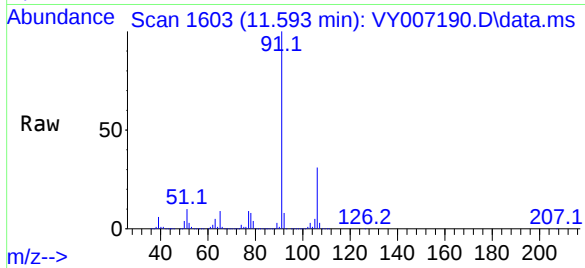




#67
Ethyl Benzene
Concen: 228.508 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. 0.000 min
Lab File: VY007190.D
Acq: 17 Jan 2022 16:26

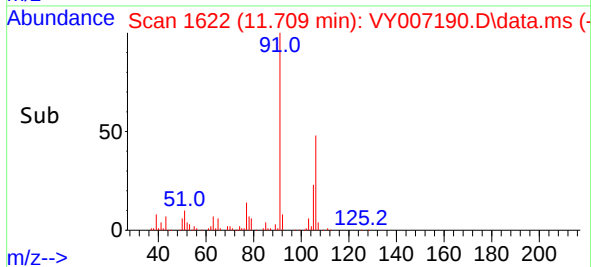
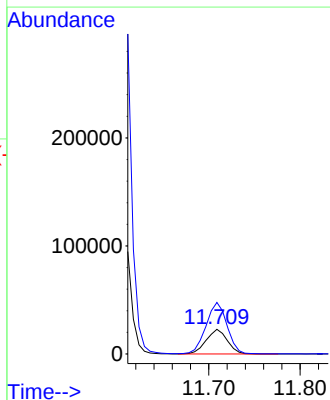
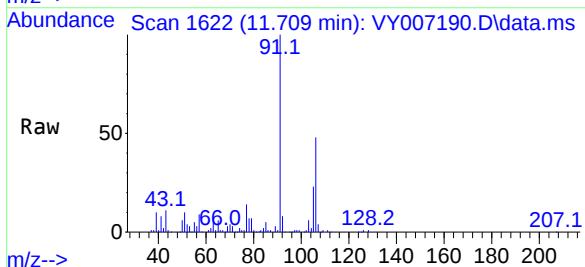
Instrument :
MSVOA_Y
ClientSampleId :
A3-1-5.5

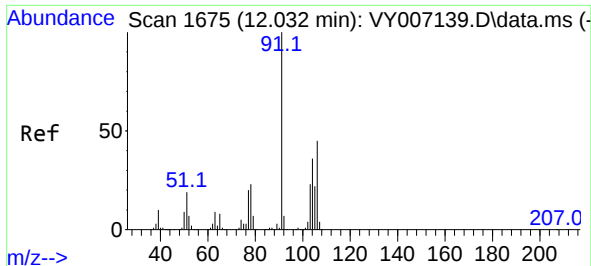
Tgt Ion: 91 Resp: 1852093
Ion Ratio Lower Upper
91 100
106 30.7 23.9 35.9



#68
m/p-Xylenes
Concen: 12.094 ug/l
RT: 11.709 min Scan# 1622
Delta R.T. 0.006 min
Lab File: VY007190.D
Acq: 17 Jan 2022 16:26

Tgt Ion: 106 Resp: 36427
Ion Ratio Lower Upper
106 100
91 209.6 167.1 250.7

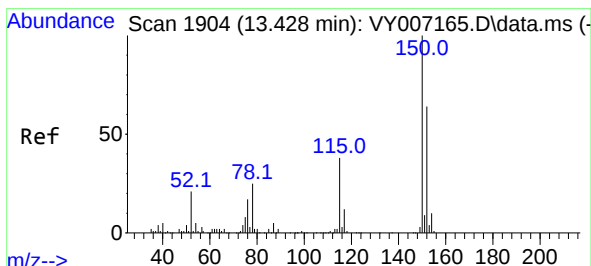
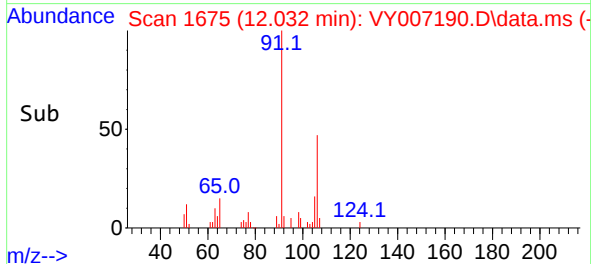
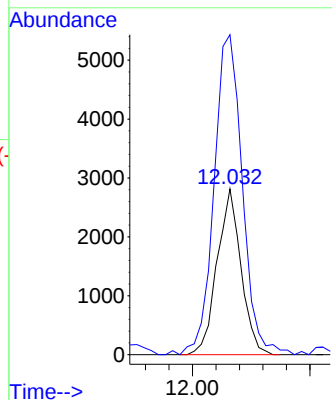
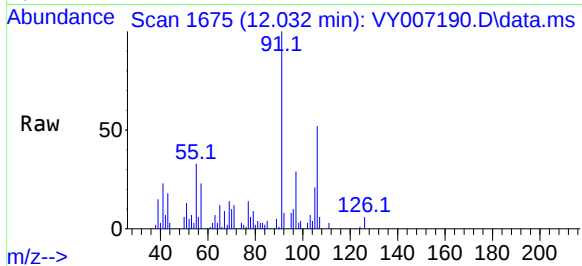




#69
o-Xylene
Concen: 1.401 ug/l
RT: 12.032 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY007190.D
Acq: 17 Jan 2022 16:26

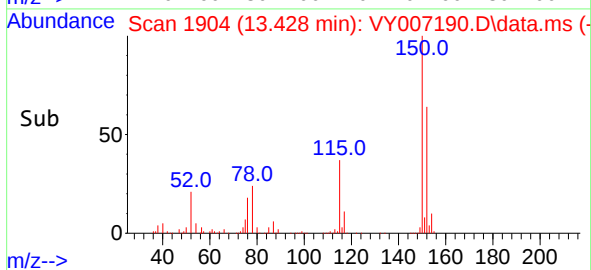
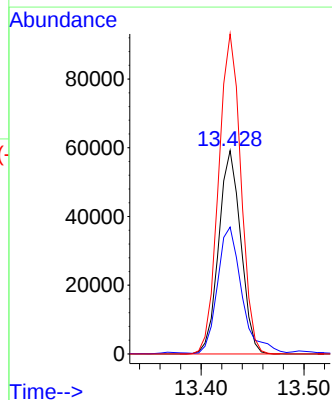
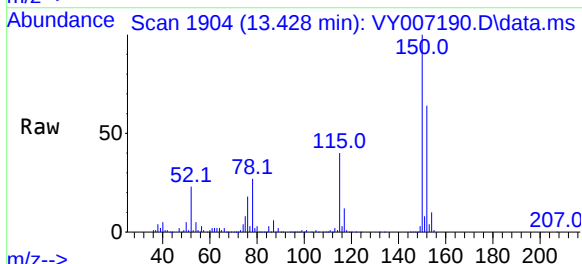
Instrument :
MSVOA_Y
ClientSampleId :
A3-1-5.5

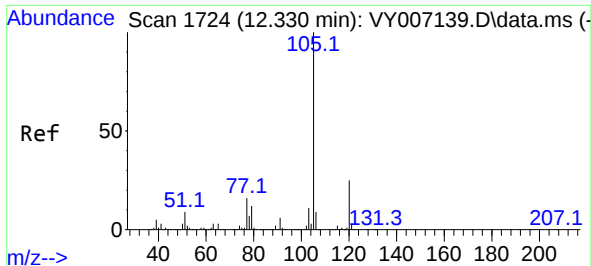
Tgt Ion:106 Resp: 3973
Ion Ratio Lower Upper
106 100
91 228.8 109.9 329.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY007190.D
Acq: 17 Jan 2022 16:26

Tgt Ion:152 Resp: 88231
Ion Ratio Lower Upper
152 100
115 68.0 31.4 94.0
150 158.8 0.0 348.4

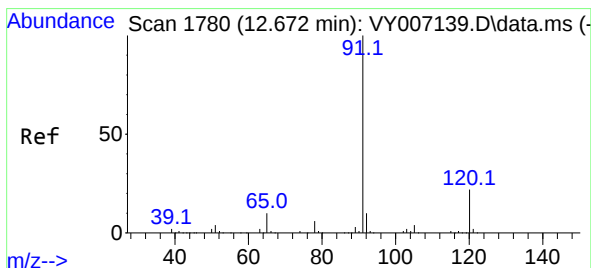
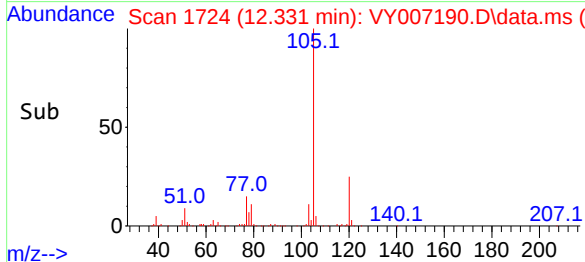
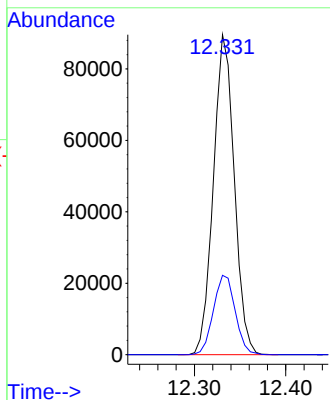
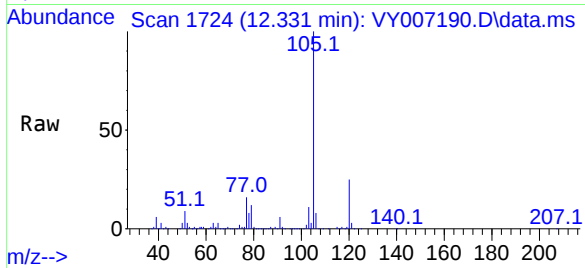




#73
Isopropylbenzene
Concen: 18.651 ug/l
RT: 12.331 min Scan# 1724
Delta R.T. 0.000 min
Lab File: VY007190.D
Acq: 17 Jan 2022 16:26

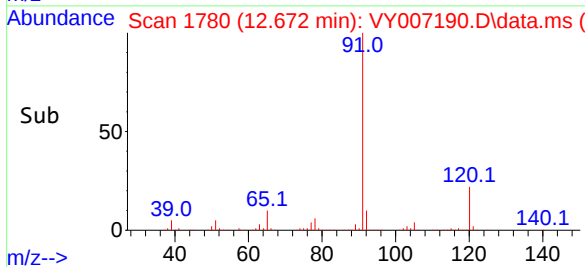
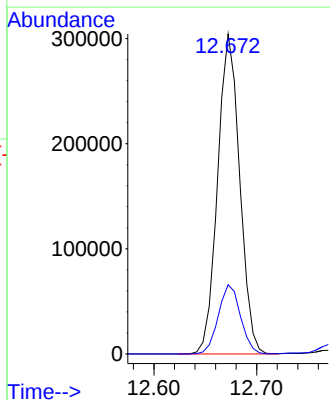
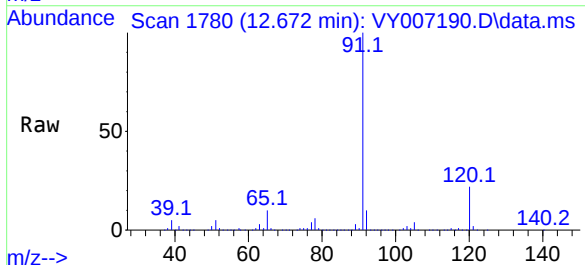
Instrument :
MSVOA_Y
ClientSampleId :
A3-1-5.5

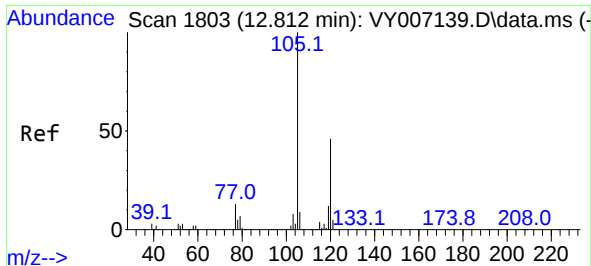
Tgt Ion:105 Resp: 142132
Ion Ratio Lower Upper
105 100
120 25.9 13.1 39.1



#78
n-propylbenzene
Concen: 47.982 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. 0.000 min
Lab File: VY007190.D
Acq: 17 Jan 2022 16:26

Tgt Ion: 91 Resp: 453276
Ion Ratio Lower Upper
91 100
120 21.8 11.2 33.5

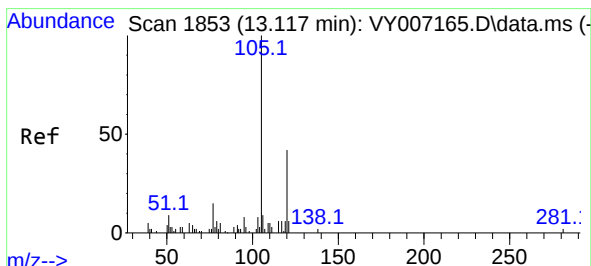
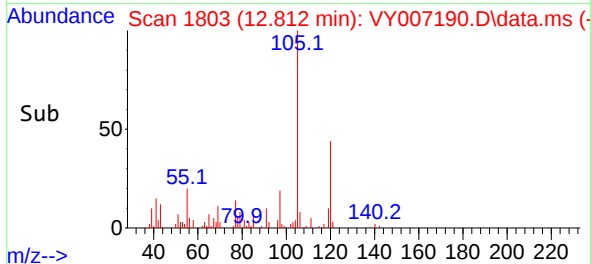
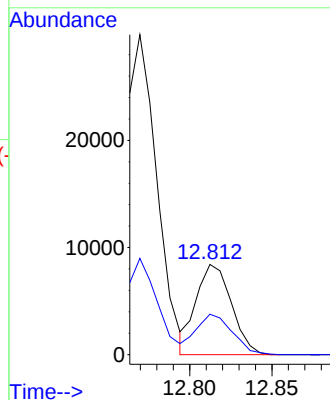
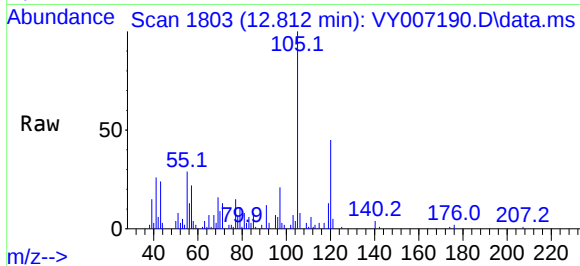




#80
1,3,5-Trimethylbenzene
Concen: 2.010 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VY007190.D
Acq: 17 Jan 2022 16:26

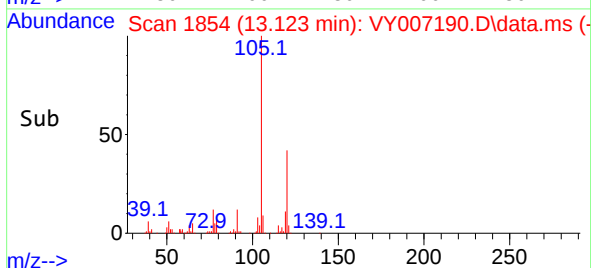
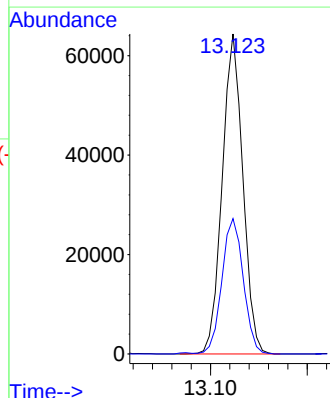
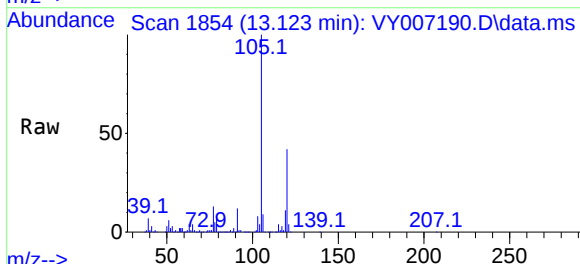
Instrument :
MSVOA_Y
ClientSampleId :
A3-1-5.5

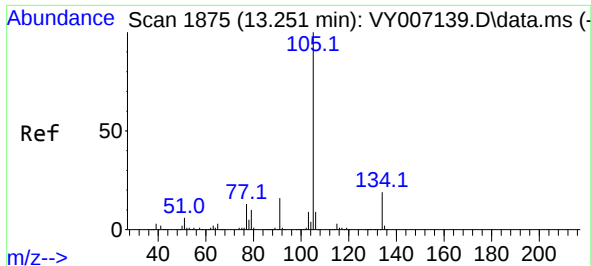
Tgt Ion:105 Resp: 12577
Ion Ratio Lower Upper
105 100
120 46.7 23.7 71.1



#84
1,2,4-Trimethylbenzene
Concen: 15.350 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.000 min
Lab File: VY007190.D
Acq: 17 Jan 2022 16:26

Tgt Ion:105 Resp: 95201
Ion Ratio Lower Upper
105 100
120 43.8 21.6 64.6

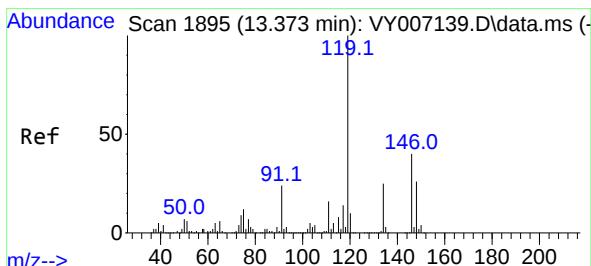
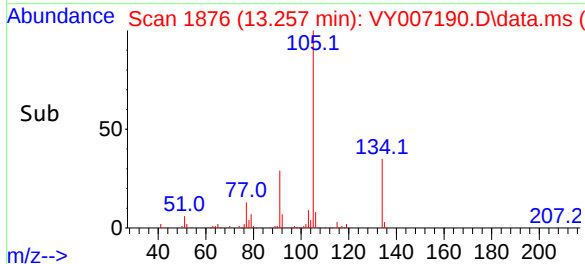
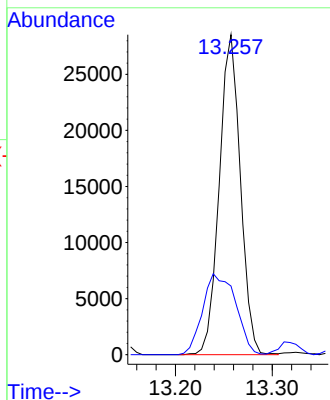
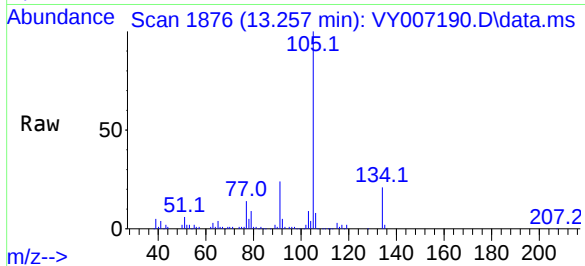




#85
 sec-Butylbenzene
 Concen: 5.342 ug/l
 RT: 13.257 min Scan# 1875
 Delta R.T. 0.006 min
 Lab File: VY007190.D
 Acq: 17 Jan 2022 16:26

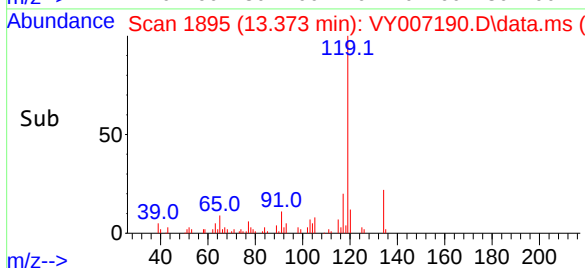
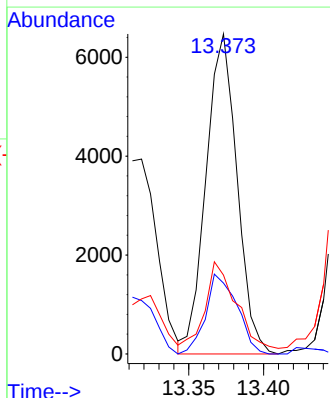
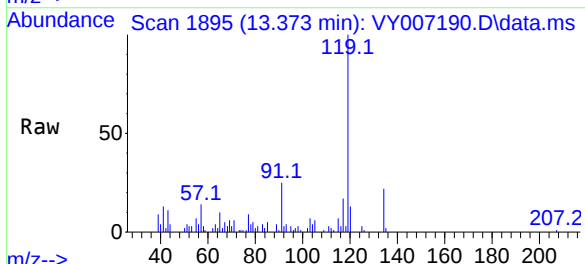
Instrument :
 MSVOA_Y
 ClientSampleId :
 A3-1-5.5

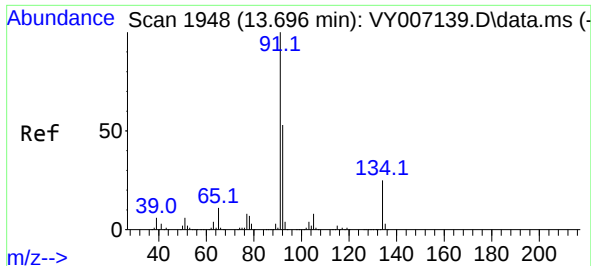
Tgt Ion:105 Resp: 43213
 Ion Ratio Lower Upper
 105 100
 134 39.6 9.9 29.7#



#86
 p-Isopropyltoluene
 Concen: 1.403 ug/l
 RT: 13.373 min Scan# 1895
 Delta R.T. 0.000 min
 Lab File: VY007190.D
 Acq: 17 Jan 2022 16:26

Tgt Ion:119 Resp: 9324
 Ion Ratio Lower Upper
 119 100
 134 25.2 12.9 38.7
 91 26.1 12.4 37.2

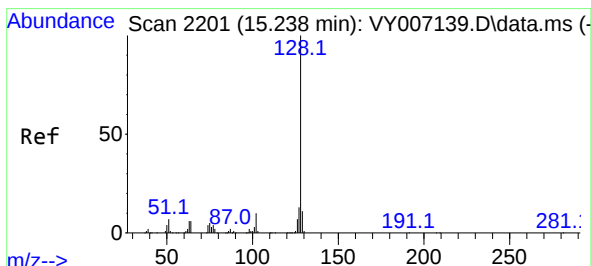
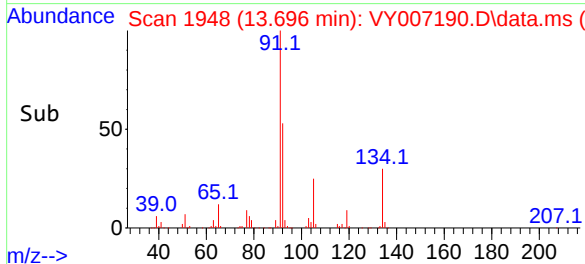
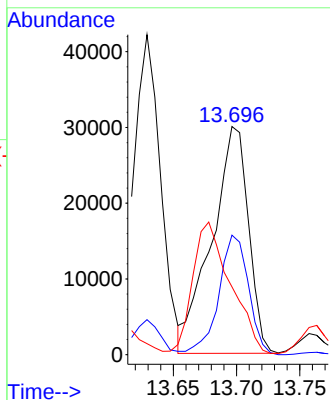
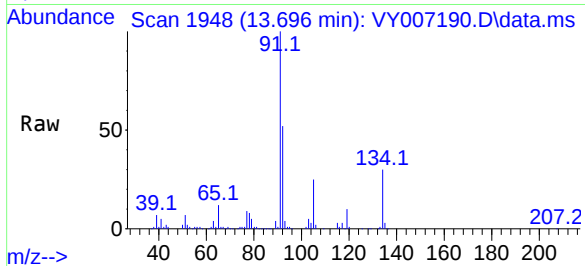




#89
n-Butylbenzene
Concen: 9.241 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. 0.000 min
Lab File: VY007190.D
Acq: 17 Jan 2022 16:26

Instrument :
MSVOA_Y
ClientSampleId :
A3-1-5.5

Tgt Ion: 91 Resp: 60479
Ion Ratio Lower Upper
91 100
92 42.6 26.9 80.6
134 60.1 12.6 37.6#



#95
Naphthalene
Concen: 56.120 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.000 min
Lab File: VY007190.D
Acq: 17 Jan 2022 16:26

Tgt Ion:128 Resp: 209323
Ion Ratio Lower Upper
128 100
127 13.0 10.3 15.5
129 11.2 8.9 13.3

