

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011422\
 Data File : VY007168.D
 Acq On : 14 Jan 2022 14:57
 Operator : SY/MD
 Sample : N1143-01
 Misc : 5.09g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WEST-BOILER-ROOM-SOUTH-SIDEWALL

Quant Time: Jan 17 04:53:35 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)

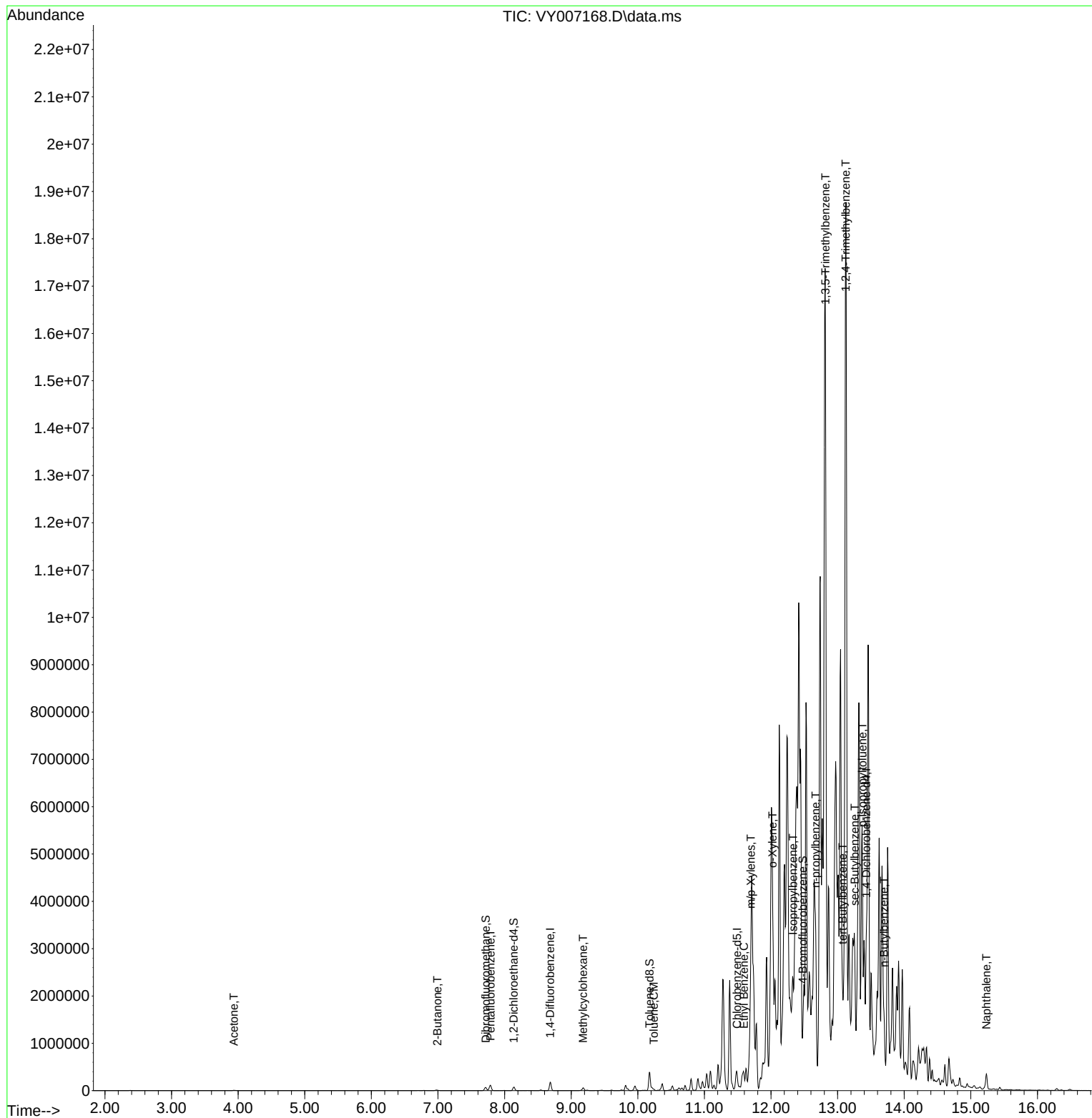
Internal Standards						
1) Pentafluorobenzene	7.789	168	82022	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	149213	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	138423	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	84478	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	60341	59.956	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	119.920%
35) Dibromofluoromethane	7.716	113	48690	48.258	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.520%
50) Toluene-d8	10.179	98	184484	50.041	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	100.080%
62) 4-Bromofluorobenzene	12.477	95	174978	133.428	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	266.860%#
Target Compounds						
					Qvalue	
16) Acetone	3.936	43	11440	43.799	ug/l	98
25) 2-Butanone	6.990	43	2799	8.289	ug/l	100
39) Methylcyclohexane	9.179	83	23628	12.009	ug/l	98
52) Toluene	10.240	92	10666	3.915	ug/l	96
67) Ethyl Benzene	11.593	91	206638	36.324	ug/l	99
68) m/p-Xylenes	11.697	106	453441	214.492	ug/l	98
69) o-Xylene	12.026	106	337178	169.367	ug/l	97
73) Isopropylbenzene	12.331	105	474838	65.078	ug/l	100
78) n-propylbenzene	12.672	91	1725634	190.784	ug/l	100
80) 1,3,5-Trimethylbenzene	12.819	105	4008176	669.040	ug/l	98
83) tert-Butylbenzene	13.075	119	239265	46.220	ug/l	95
84) 1,2,4-Trimethylbenzene	13.123	105	9834417	1656.092	ug/l	95
85) sec-Butylbenzene	13.258	105	918410	118.589	ug/l	# 64
86) p-Isopropyltoluene	13.373	119	921877	144.851	ug/l	99
89) n-Butylbenzene	13.696	91	554431	88.476	ug/l	# 76
95) Naphthalene	15.233	128	256486	71.820	ug/l	99

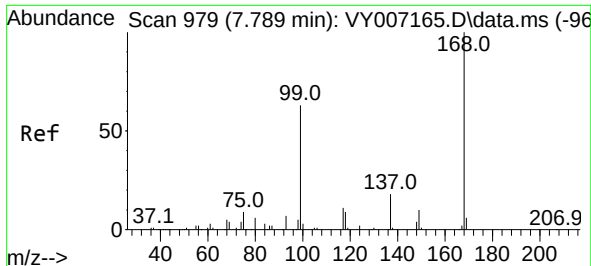
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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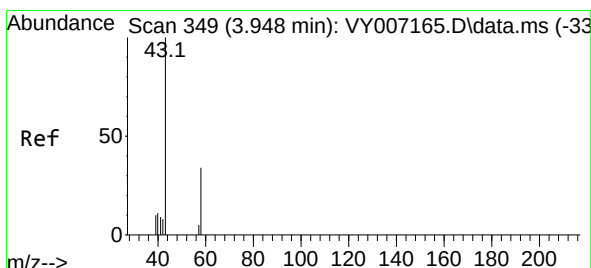
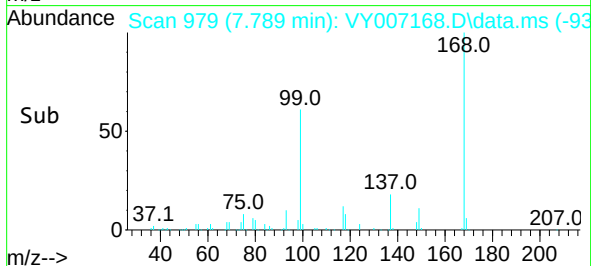
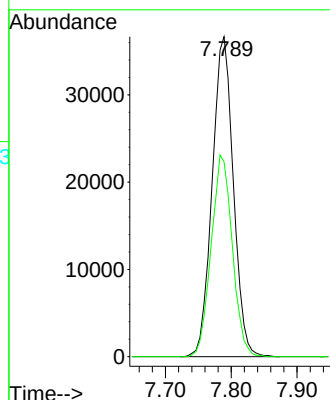
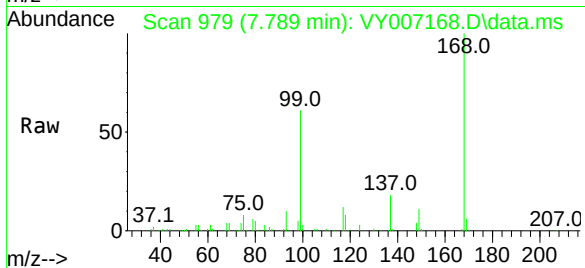




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY007168.D
Acq: 14 Jan 2022 14:57

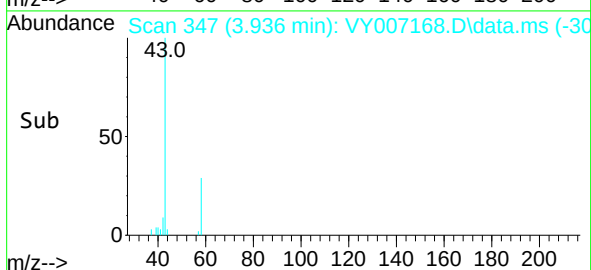
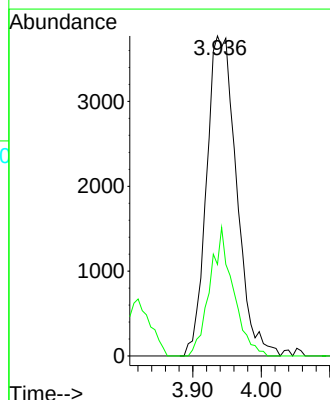
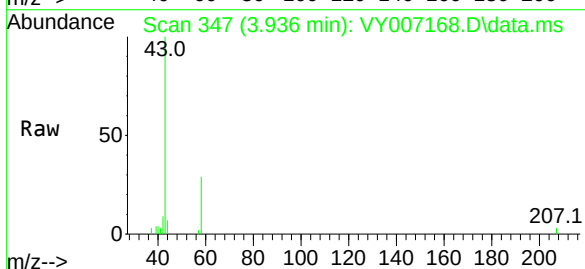
Instrument :
MSVOA_Y
ClientSampleId :
WEST-BOILER-ROOM-SOUTH-SIDEWALL

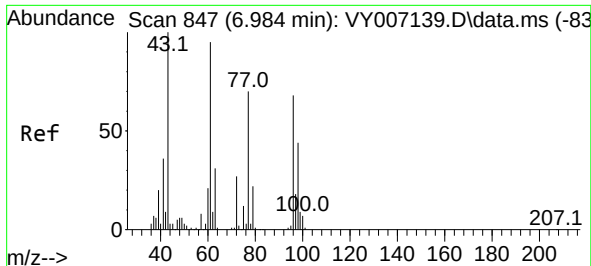
Tgt Ion:168 Resp: 82022
Ion Ratio Lower Upper
168 100
99 60.9 49.1 73.7



#16
Acetone
Concen: 43.799 ug/l
RT: 3.936 min Scan# 347
Delta R.T. -0.012 min
Lab File: VY007168.D
Acq: 14 Jan 2022 14:57

Tgt Ion: 43 Resp: 11440
Ion Ratio Lower Upper
43 100
58 28.6 23.8 35.6

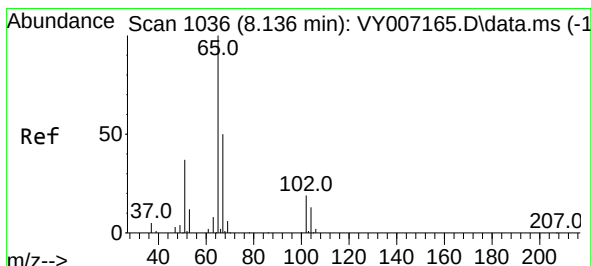
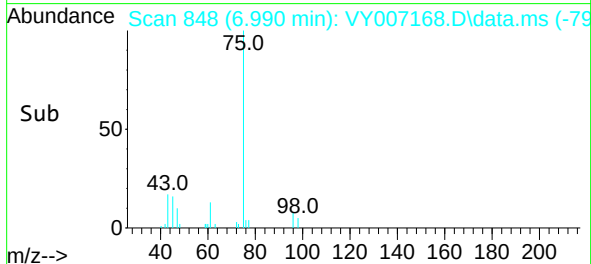
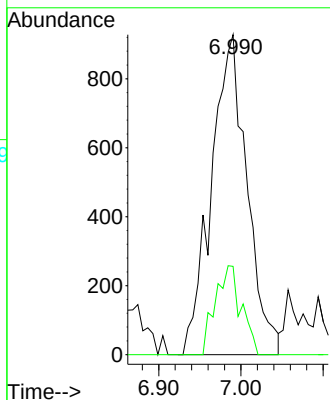
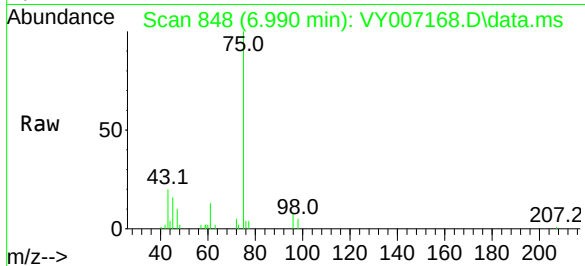




#25
2-Butanone
Concen: 8.289 ug/l
RT: 6.990 min Scan# 847
Delta R.T. 0.007 min
Lab File: VY007168.D
Acq: 14 Jan 2022 14:57

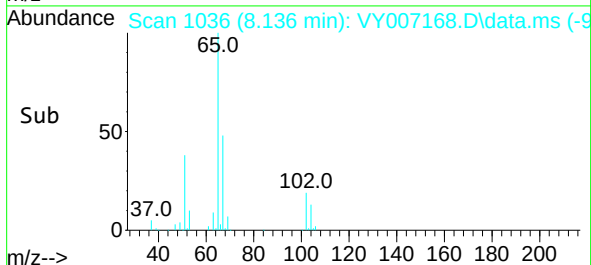
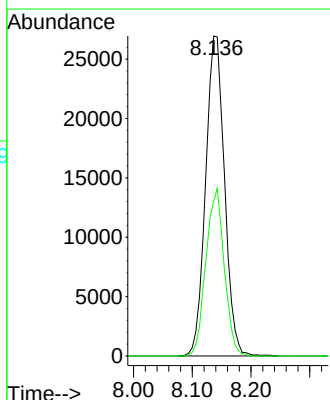
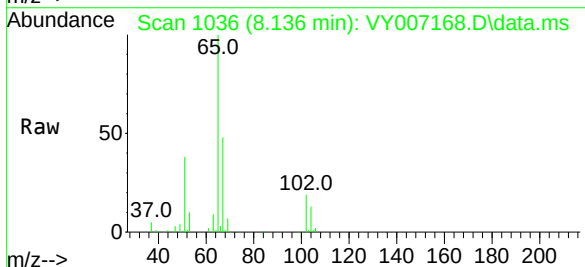
Instrument :
MSVOA_Y
ClientSampleId :
WEST-BOILER-ROOM-SOUTH-SIDEWALL

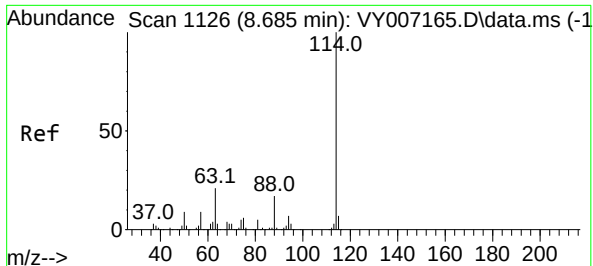
Tgt Ion: 43 Resp: 2799
Ion Ratio Lower Upper
43 100
72 27.6 21.9 32.9



#33
1,2-Dichloroethane-d4
Concen: 59.956 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.006 min
Lab File: VY007168.D
Acq: 14 Jan 2022 14:57

Tgt Ion: 65 Resp: 60341
Ion Ratio Lower Upper
65 100
67 50.7 0.0 105.6

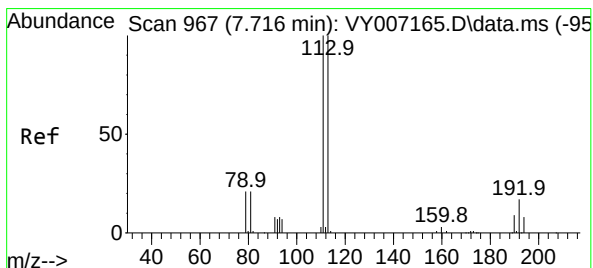
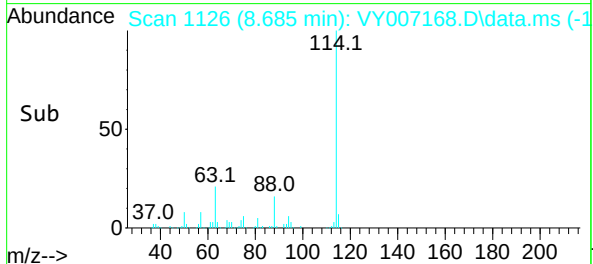
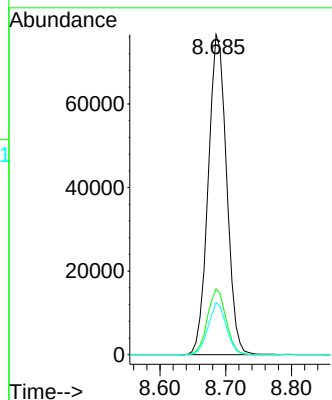
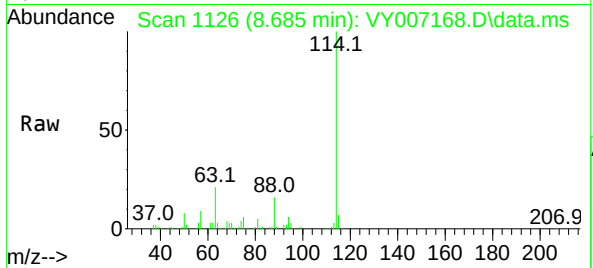




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VY007168.D
Acq: 14 Jan 2022 14:57

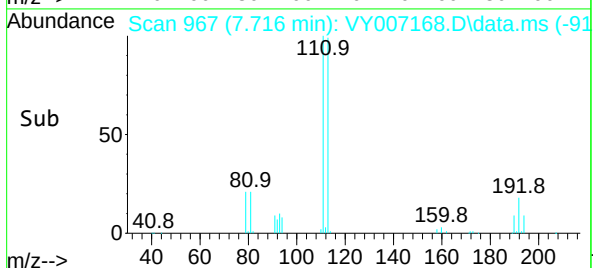
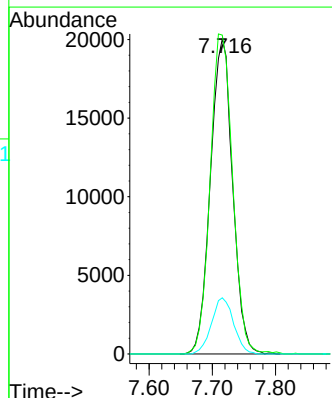
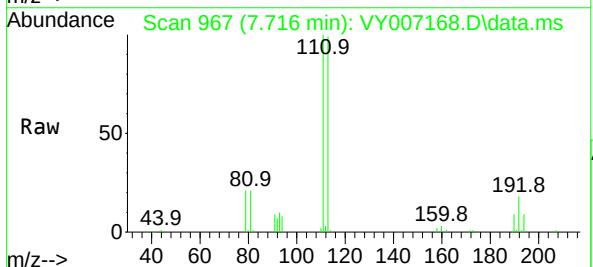
Instrument : MSVOA_Y
ClientSampleId : WEST-BOILER-ROOM-SOUTH-SIDEWALL

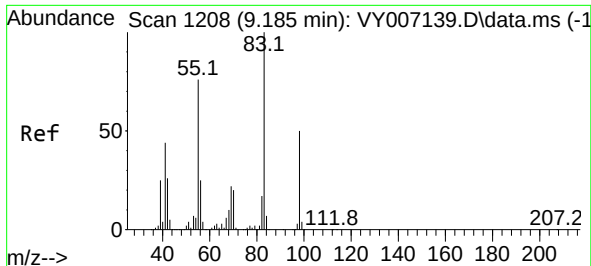
Tgt Ion:114 Resp: 149213
Ion Ratio Lower Upper
114 100
63 20.6 0.0 39.2
88 16.2 0.0 31.0



#35
Dibromofluoromethane
Concen: 48.258 ug/l
RT: 7.716 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY007168.D
Acq: 14 Jan 2022 14:57

Tgt Ion:113 Resp: 48690
Ion Ratio Lower Upper
113 100
111 103.1 82.2 123.4
192 17.8 14.2 21.4

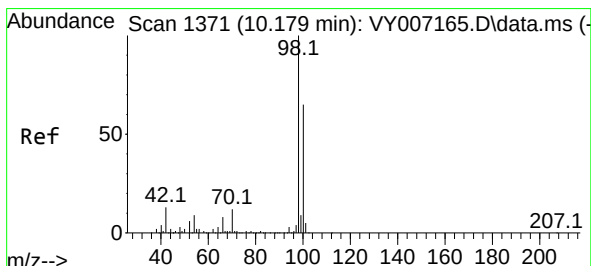
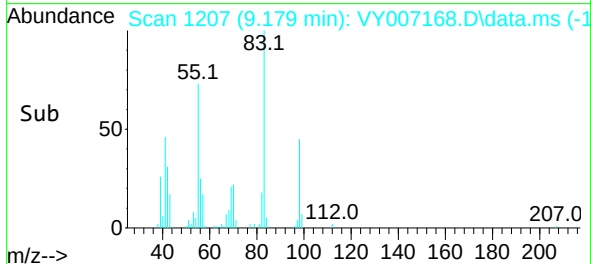
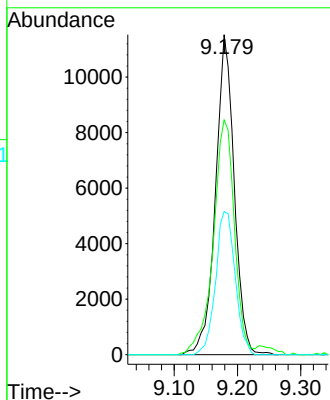
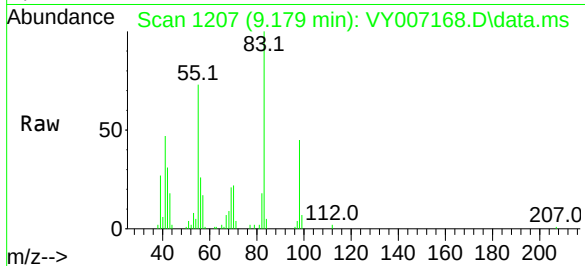




#39
Methylcyclohexane
Concen: 12.009 ug/l
RT: 9.179 min Scan# 1207
Delta R.T. -0.006 min
Lab File: VY007168.D
Acq: 14 Jan 2022 14:57

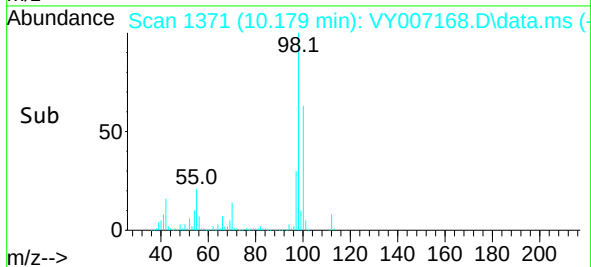
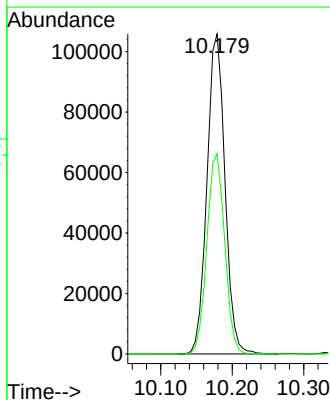
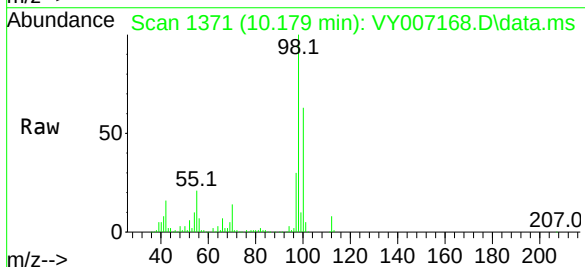
Instrument :
MSVOA_Y
ClientSampleId :
WEST-BOILER-ROOM-SOUTH-SIDEWALL

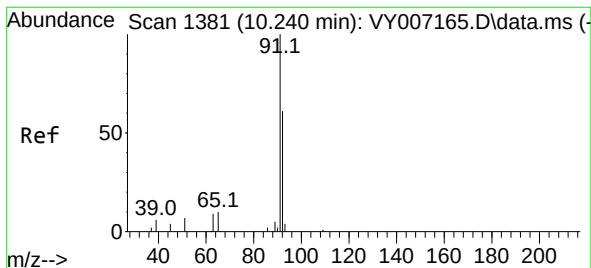
Tgt Ion: 83 Resp: 23628
Ion Ratio Lower Upper
83 100
55 73.3 58.8 88.2
98 44.7 38.7 58.1



#50
Toluene-d8
Concen: 50.041 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY007168.D
Acq: 14 Jan 2022 14:57

Tgt Ion: 98 Resp: 184484
Ion Ratio Lower Upper
98 100
100 62.1 52.2 78.2





#52

Toluene

Concen: 3.915 ug/l

RT: 10.240 min Scan# 1381

Delta R.T. -0.006 min

Lab File: VY007168.D

Acq: 14 Jan 2022 14:57

Instrument :

MSVOA_Y

ClientSampleId :

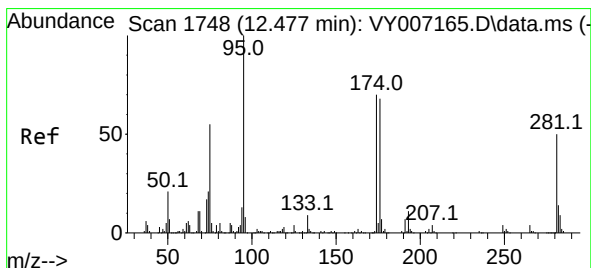
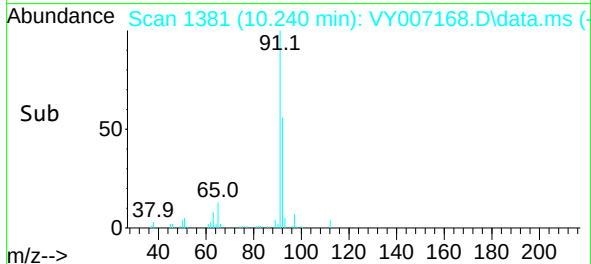
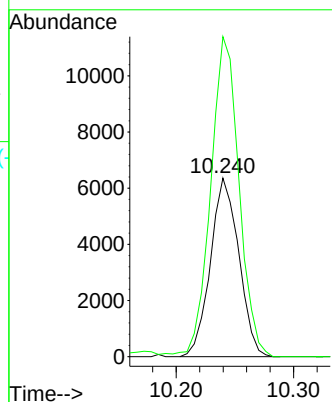
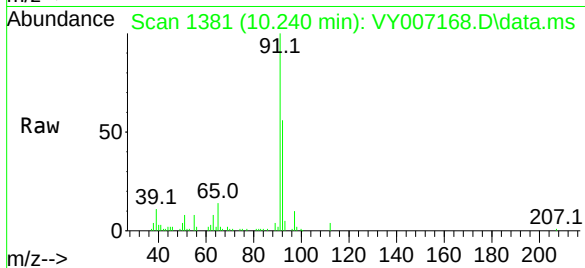
WEST-BOILER-ROOM-SOUTH-SIDEWALL

Tgt Ion: 92 Resp: 10666

Ion Ratio Lower Upper

92 100

91 178.5 138.6 207.8



#62

4-Bromofluorobenzene

Concen: 133.428 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. -0.006 min

Lab File: VY007168.D

Acq: 14 Jan 2022 14:57

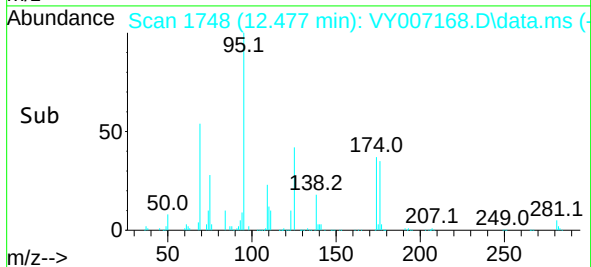
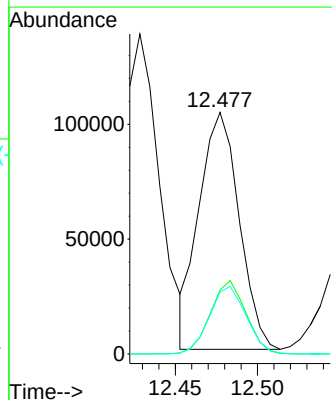
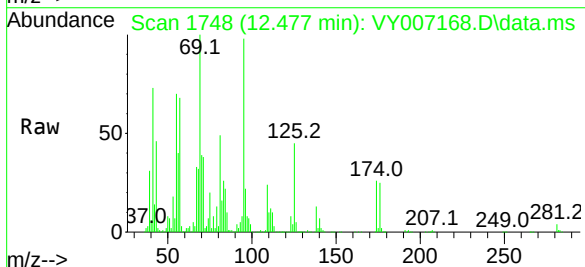
Tgt Ion: 95 Resp: 174978

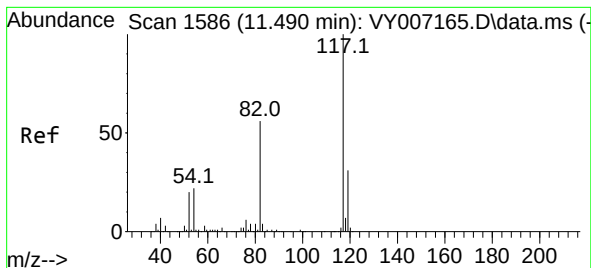
Ion Ratio Lower Upper

95 100

174 27.6 0.0 148.4

176 26.2 0.0 146.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY007168.D

Acq: 14 Jan 2022 14:57

Instrument :

MSVOA_Y

ClientSampleId :

WEST-BOILER-ROOM-SOUTH-SIDEWALL

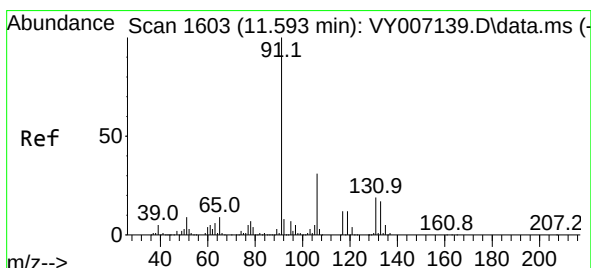
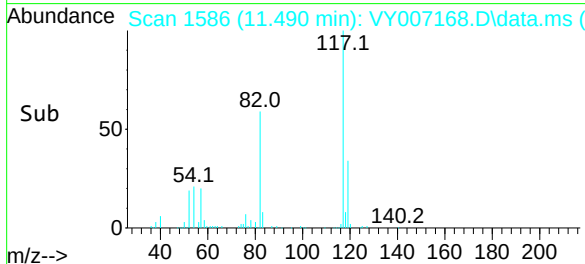
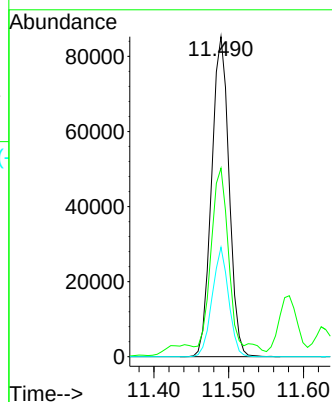
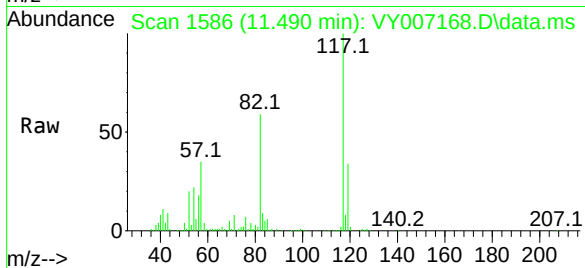
Tgt Ion:117 Resp: 138423

Ion Ratio Lower Upper

117 100

82 55.6 45.4 68.0

119 34.2 26.4 39.6



#67

Ethyl Benzene

Concen: 36.324 ug/l

RT: 11.593 min Scan# 1603

Delta R.T. 0.000 min

Lab File: VY007168.D

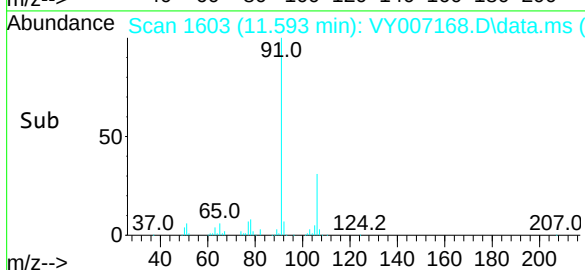
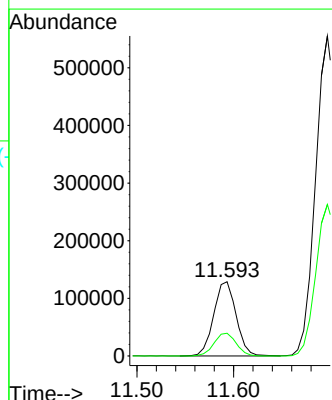
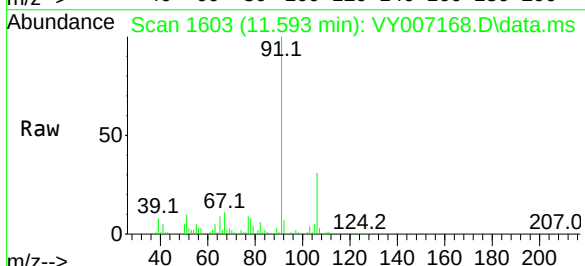
Acq: 14 Jan 2022 14:57

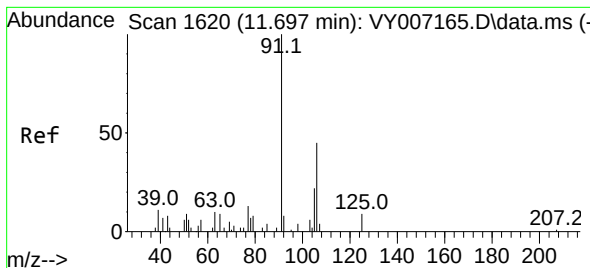
Tgt Ion: 91 Resp: 206638

Ion Ratio Lower Upper

91 100

106 30.6 23.9 35.9

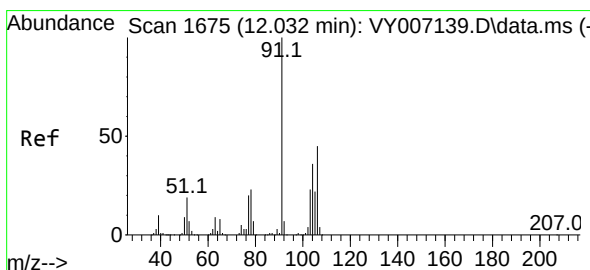
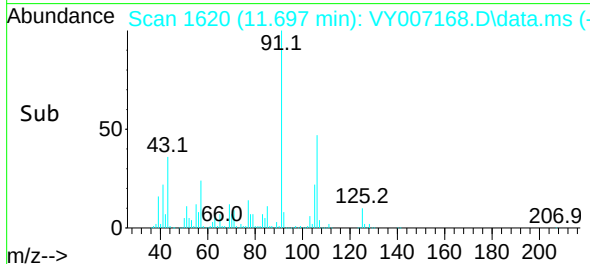
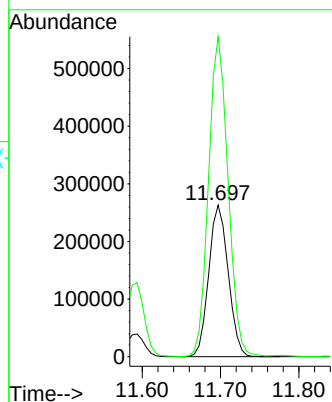
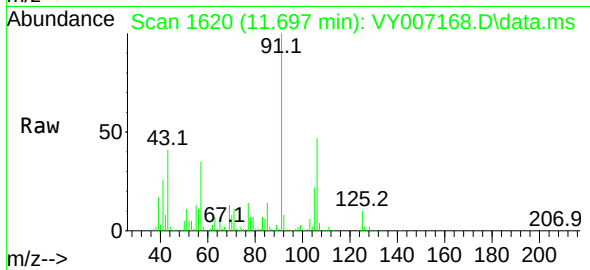




#68
m/p-Xylenes
Concen: 214.492 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.006 min
Lab File: VY007168.D
Acq: 14 Jan 2022 14:57

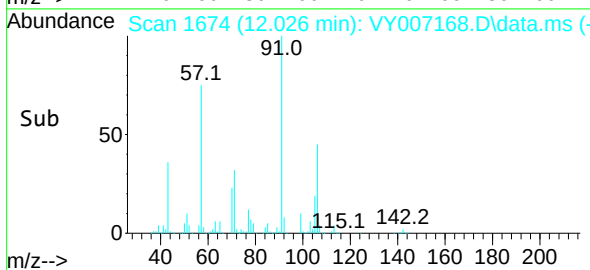
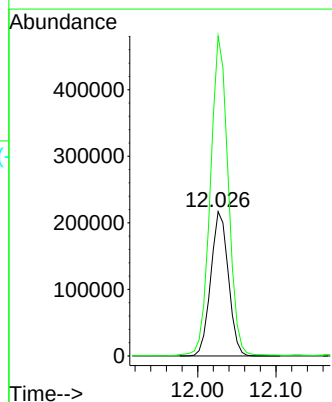
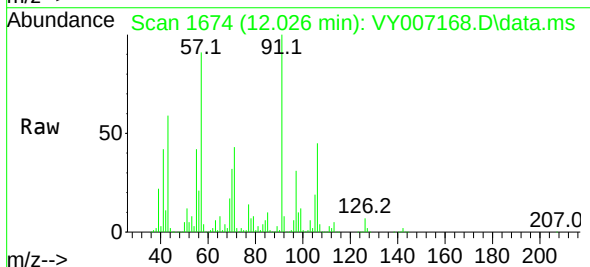
Instrument : MSVOA_Y
ClientSampleId : WEST-BOILER-ROOM-SOUTH-SIDEWALL

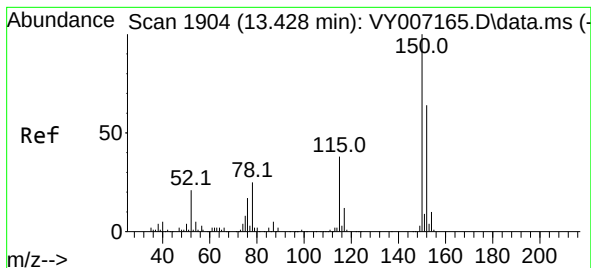
Tgt Ion:106 Resp: 453441
Ion Ratio Lower Upper
106 100
91 211.6 167.1 250.7



#69
o-Xylene
Concen: 169.367 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. -0.006 min
Lab File: VY007168.D
Acq: 14 Jan 2022 14:57

Tgt Ion:106 Resp: 337178
Ion Ratio Lower Upper
106 100
91 225.0 109.9 329.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY007168.D

Acq: 14 Jan 2022 14:57

Instrument :

MSVOA_Y

ClientSampleId :

WEST-BOILER-ROOM-SOUTH-SIDEWALL

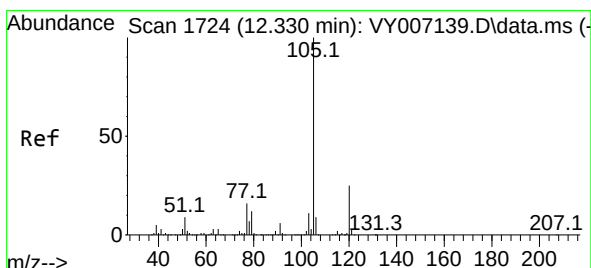
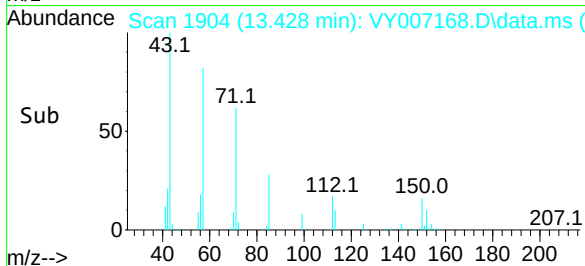
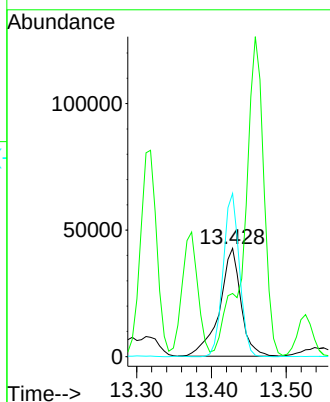
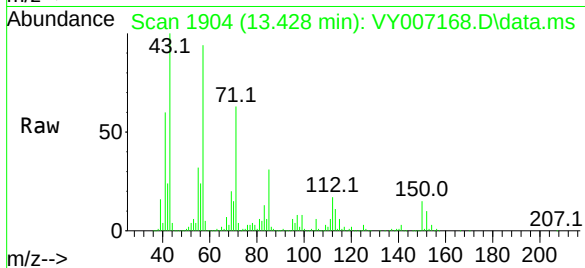
Tgt Ion:152 Resp: 84478

Ion Ratio Lower Upper

152 100

115 0.0 31.4 94.0#

150 115.4 0.0 348.4



#73

Isopropylbenzene

Concen: 65.078 ug/l

RT: 12.331 min Scan# 1724

Delta R.T. 0.000 min

Lab File: VY007168.D

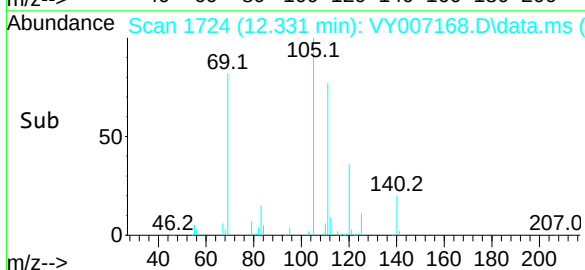
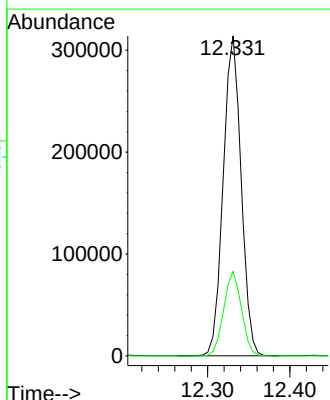
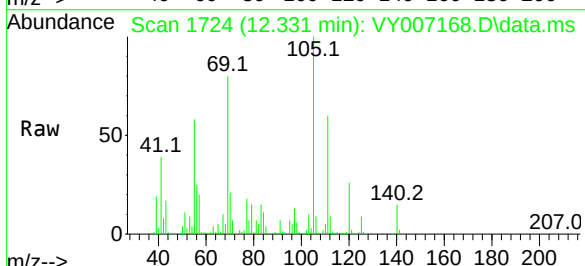
Acq: 14 Jan 2022 14:57

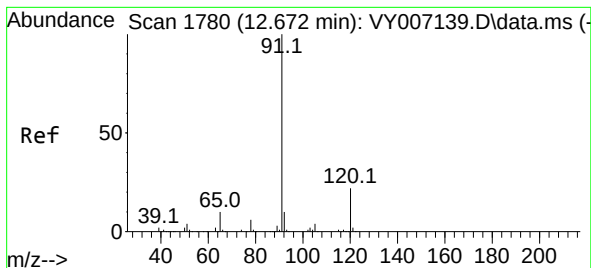
Tgt Ion:105 Resp: 474838

Ion Ratio Lower Upper

105 100

120 26.2 13.1 39.1





#78

n-propylbenzene

Concen: 190.784 ug/l

RT: 12.672 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY007168.D

Acq: 14 Jan 2022 14:57

Instrument :

MSVOA_Y

ClientSampleId :

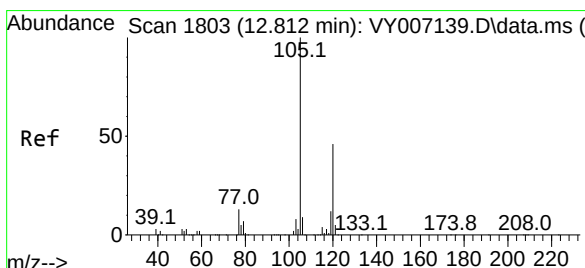
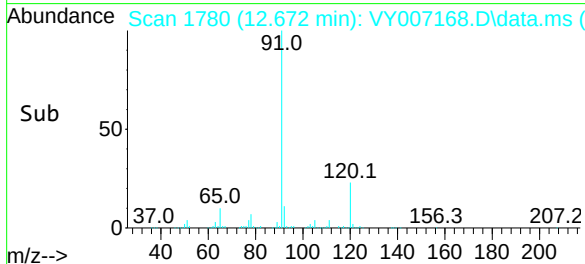
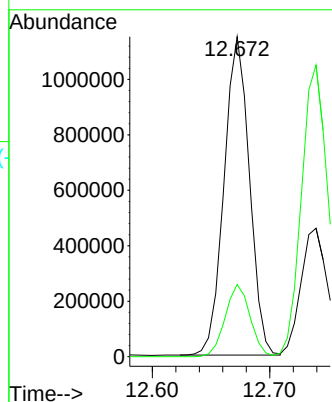
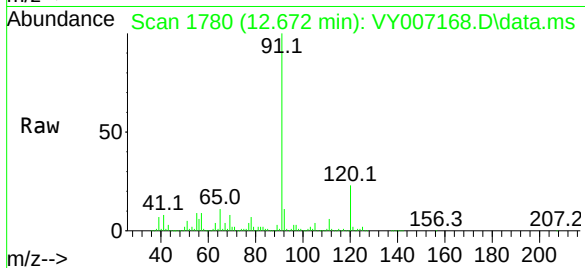
WEST-BOILER-ROOM-SOUTH-SIDEWALL

Tgt Ion: 91 Resp: 1725634

Ion Ratio Lower Upper

91 100

120 22.3 11.2 33.5



#80

1,3,5-Trimethylbenzene

Concen: 669.040 ug/l

RT: 12.819 min Scan# 1804

Delta R.T. 0.007 min

Lab File: VY007168.D

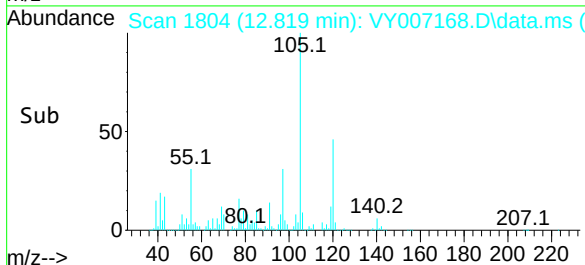
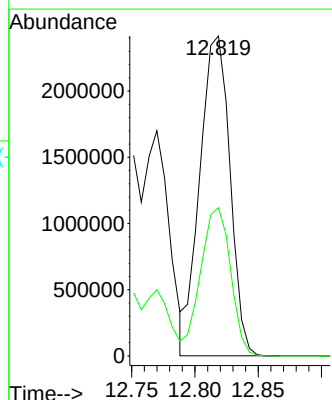
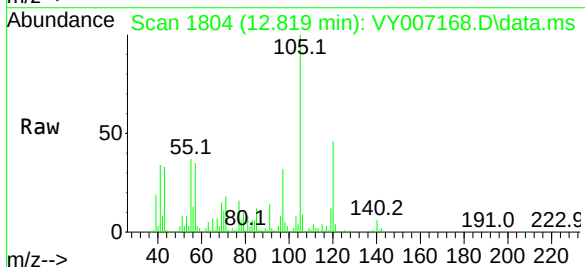
Acq: 14 Jan 2022 14:57

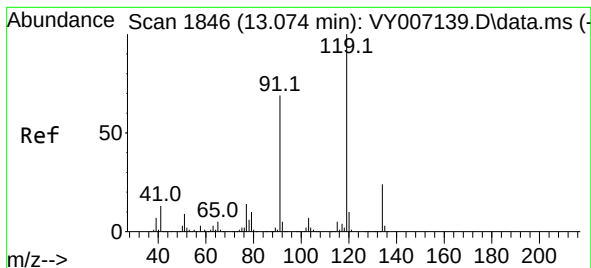
Tgt Ion:105 Resp: 4008176

Ion Ratio Lower Upper

105 100

120 46.1 23.7 71.1





#83

tert-Butylbenzene

Concen: 46.220 ug/l

RT: 13.075 min Scan# 119

Delta R.T. 0.000 min

Lab File: VY007168.D

Acq: 14 Jan 2022 14:57

Instrument :

MSVOA_Y

ClientSampleId :

WEST-BOILER-ROOM-SOUTH-SIDEWALL

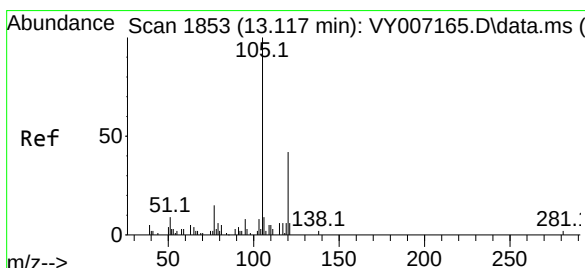
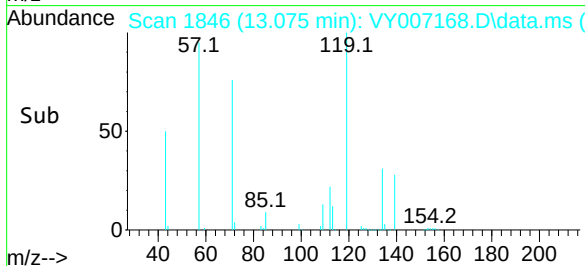
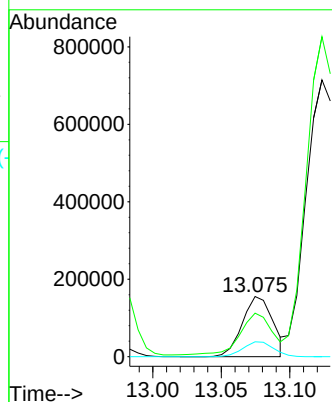
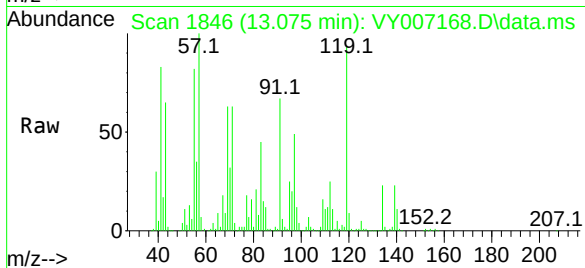
Tgt Ion:119 Resp: 239265

Ion Ratio Lower Upper

119 100

91 71.5 33.1 99.5

134 25.2 12.9 38.7



#84

1,2,4-Trimethylbenzene

Concen: 1656.092 ug/l

RT: 13.123 min Scan# 1854

Delta R.T. 0.000 min

Lab File: VY007168.D

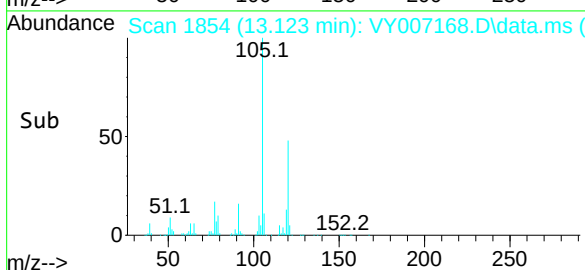
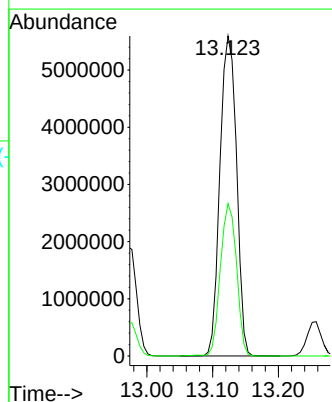
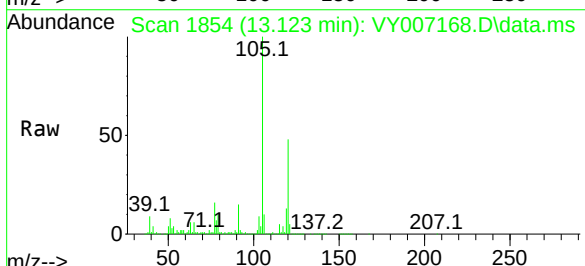
Acq: 14 Jan 2022 14:57

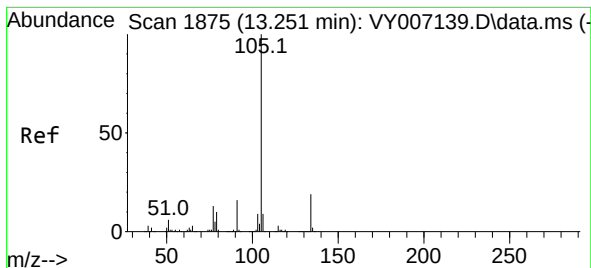
Tgt Ion:105 Resp: 9834417

Ion Ratio Lower Upper

105 100

120 46.3 21.6 64.6





#85

sec-Butylbenzene

Concen: 118.589 ug/l

RT: 13.258 min Scan# 1875

Delta R.T. 0.007 min

Lab File: VY007168.D

Acq: 14 Jan 2022 14:57

Instrument :

MSVOA_Y

ClientSampleId :

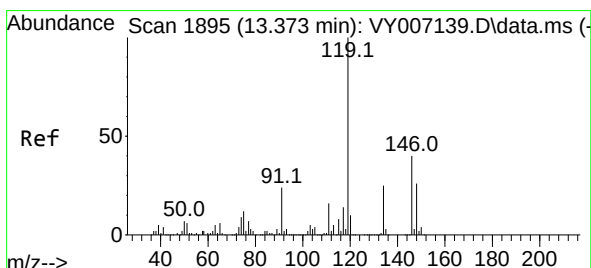
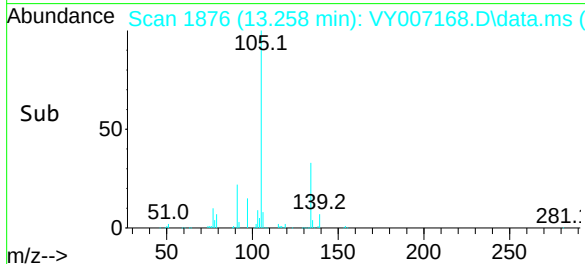
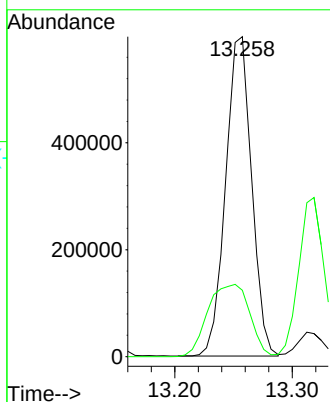
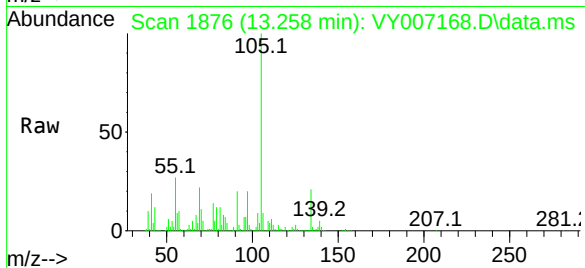
WEST-BOILER-ROOM-SOUTH-SIDEWALL

Tgt Ion:105 Resp: 918410

Ion Ratio Lower Upper

105 100

134 36.3 9.9 29.7#



#86

p-Isopropyltoluene

Concen: 144.851 ug/l

RT: 13.373 min Scan# 1895

Delta R.T. 0.000 min

Lab File: VY007168.D

Acq: 14 Jan 2022 14:57

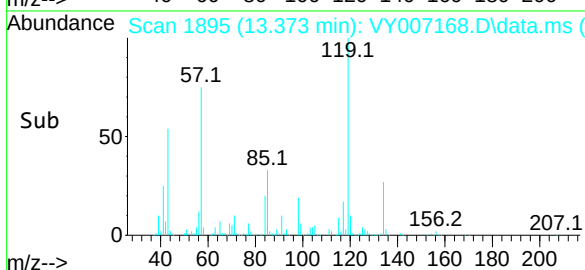
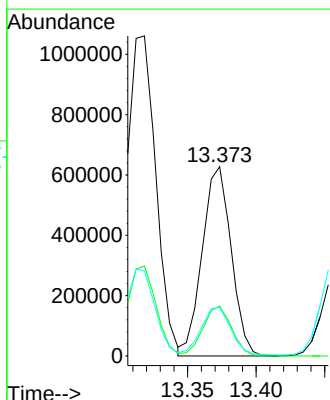
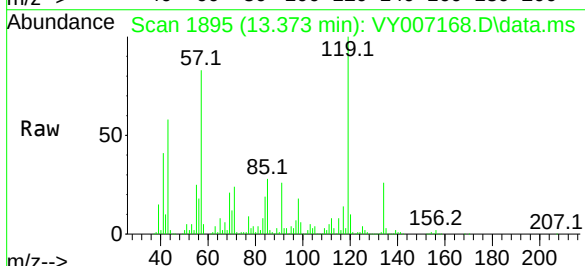
Tgt Ion:119 Resp: 921877

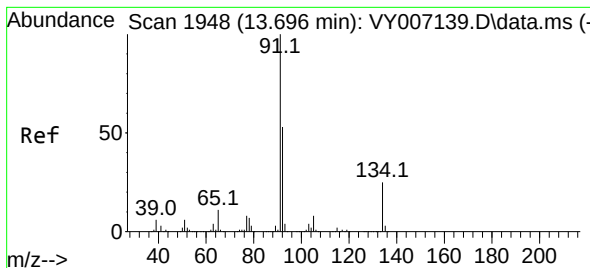
Ion Ratio Lower Upper

119 100

134 26.0 12.9 38.7

91 25.6 12.4 37.2





#89

n-Butylbenzene

Concen: 88.476 ug/l

RT: 13.696 min Scan# 1948

Delta R.T. 0.000 min

Lab File: VY007168.D

Acq: 14 Jan 2022 14:57

Instrument :

MSVOA_Y

ClientSampleId :

WEST-BOILER-ROOM-SOUTH-SIDEWALL

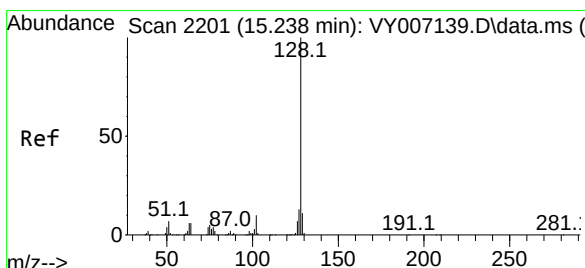
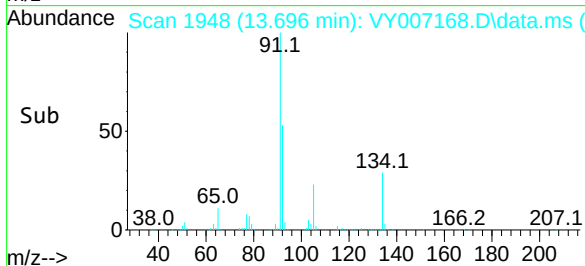
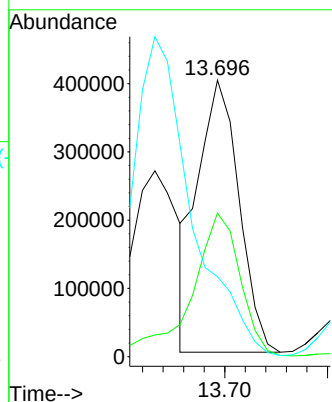
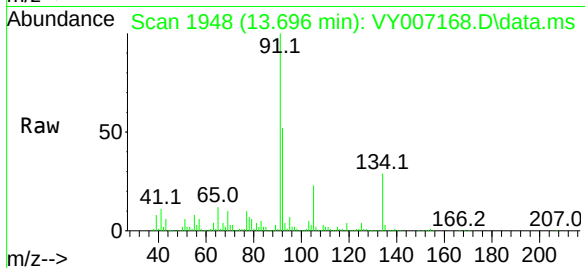
Tgt Ion: 91 Resp: 554431

Ion Ratio Lower Upper

91 100

92 61.7 26.9 80.6

134 0.0 12.6 37.6#



#95

Naphthalene

Concen: 71.820 ug/l

RT: 15.233 min Scan# 2200

Delta R.T. -0.006 min

Lab File: VY007168.D

Acq: 14 Jan 2022 14:57

Tgt Ion: 128 Resp: 256486

Ion Ratio Lower Upper

128 100

127 13.3 10.3 15.5

129 10.7 8.9 13.3

