

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011422\
 Data File : VY007170.D
 Acq On : 14 Jan 2022 15:44
 Operator : SY/MD
 Sample : N1143-03
 Misc : 5.07g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WEST-BOILER-ROOM-BOTTOM

Quant Time: Jan 17 04:54:32 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)

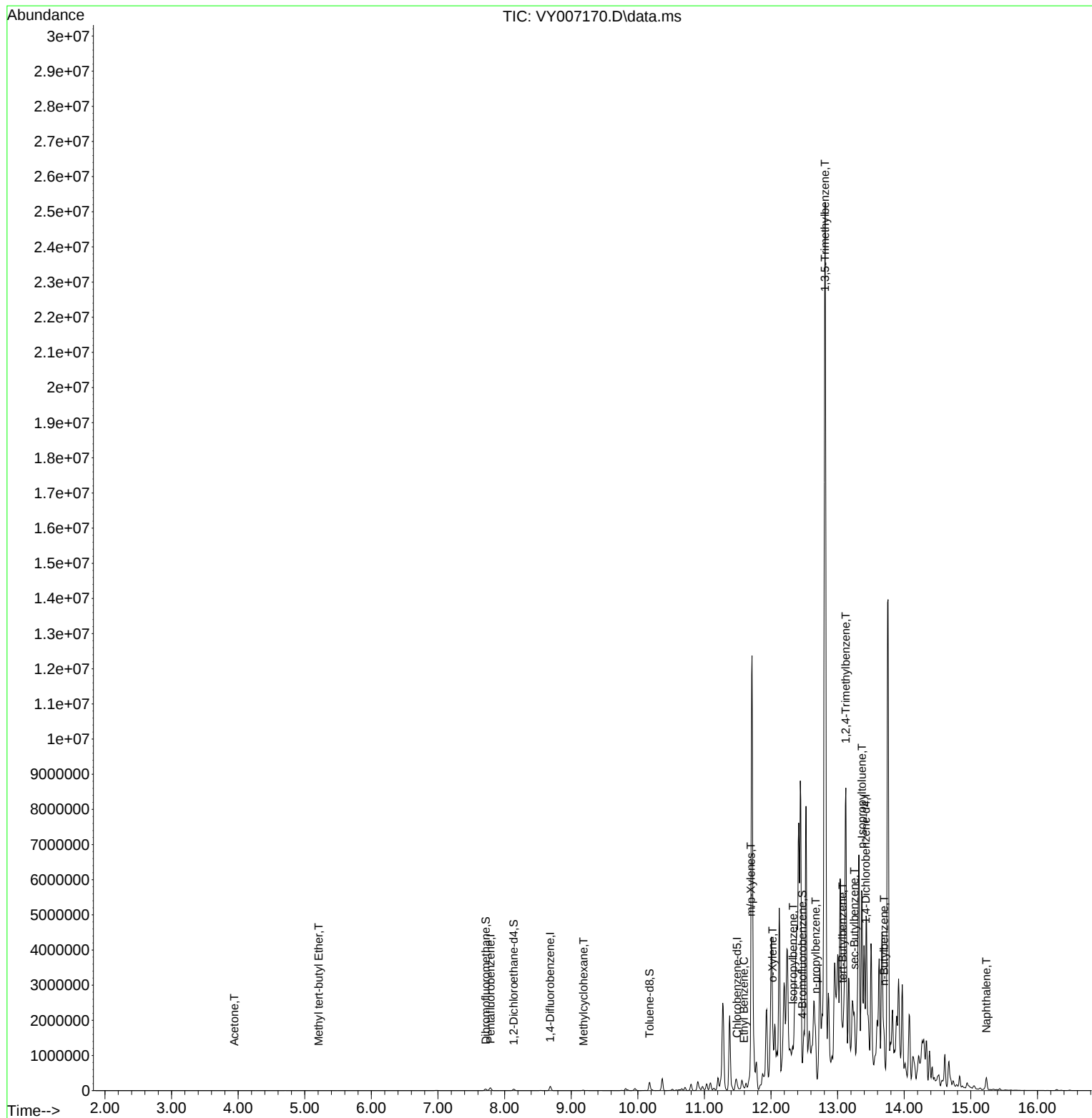
Internal Standards						
1) Pentafluorobenzene	7.789	168	57080	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	100583	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	86866	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	57276	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	31993	45.680	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.360%
35) Dibromofluoromethane	7.716	113	32182	47.318	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	94.640%
50) Toluene-d8	10.179	98	125099	50.339	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	100.680%
62) 4-Bromofluorobenzene	12.471	95	100692	113.904	ug/l	-0.01
Spiked Amount	50.000	Range	25 - 144	Recovery	=	227.800%#
Target Compounds						
					Qvalue	
16) Acetone	3.942	43	2041	11.229	ug/l	97
19) Methyl tert-butyl Ether	5.210	73	3032	2.384	ug/l	96
39) Methylcyclohexane	9.185	83	4818	3.633	ug/l	93
67) Ethyl Benzene	11.593	91	39039	10.936	ug/l	96
68) m/p-Xylenes	11.697	106	27562	20.776	ug/l	85
69) o-Xylene	12.026	106	38233	30.603	ug/l	86
73) Isopropylbenzene	12.331	105	175909	35.559	ug/l	100
78) n-propylbenzene	12.672	91	711164	115.967	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	1362572	335.456	ug/l	99
83) tert-Butylbenzene	13.075	119	283570	80.794	ug/l	94
84) 1,2,4-Trimethylbenzene	13.123	105	3937238	977.909	ug/l	98
85) sec-Butylbenzene	13.251	105	469285	89.375	ug/l #	54
86) p-Isopropyltoluene	13.367	119	485390	112.489	ug/l	99
89) n-Butylbenzene	13.696	91	551957	129.913	ug/l #	76
95) Naphthalene	15.233	128	270464	111.702	ug/l	100

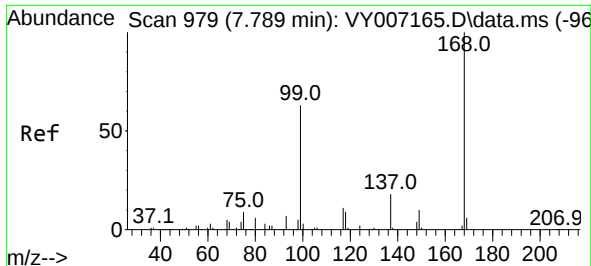
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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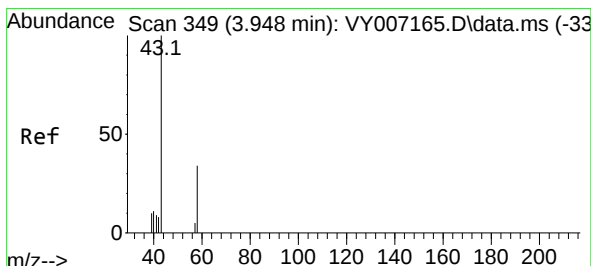
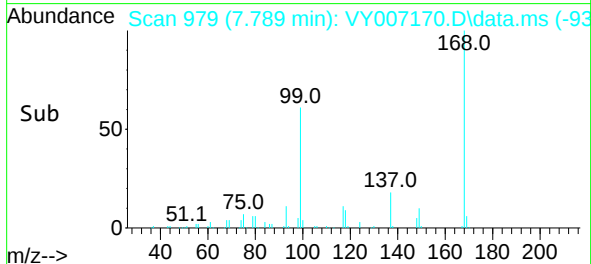
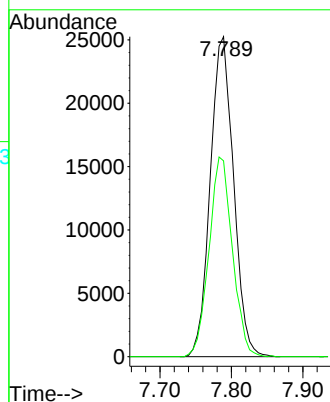
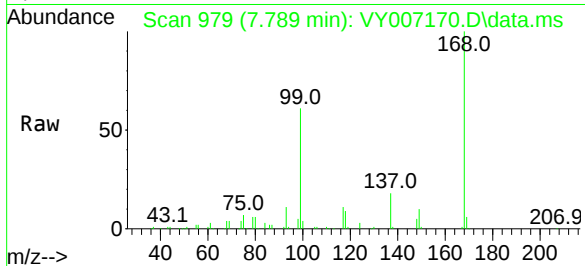




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY007170.D
Acq: 14 Jan 2022 15:44

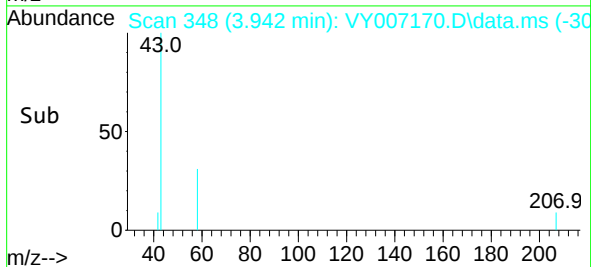
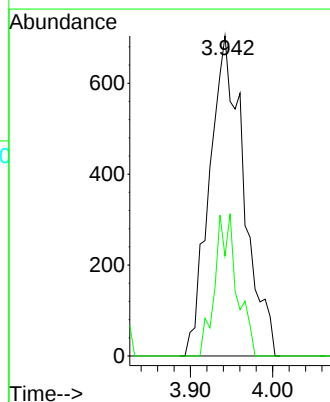
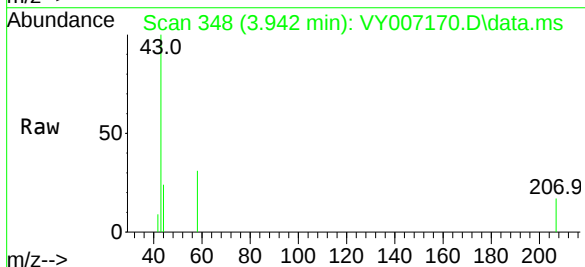
Instrument :
MSVOA_Y
ClientSampleId :
WEST-BOILER-ROOM-BOTTOM

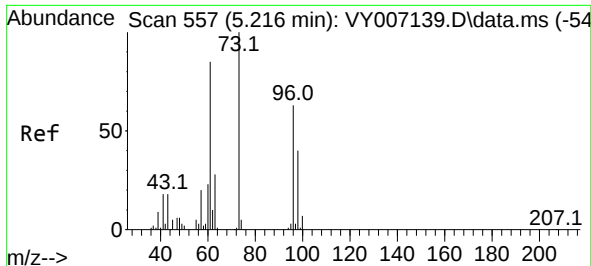
Tgt Ion:168 Resp: 57080
Ion Ratio Lower Upper
168 100
99 61.2 49.1 73.7



#16
Acetone
Concen: 11.229 ug/l
RT: 3.942 min Scan# 348
Delta R.T. -0.006 min
Lab File: VY007170.D
Acq: 14 Jan 2022 15:44

Tgt Ion: 43 Resp: 2041
Ion Ratio Lower Upper
43 100
58 31.3 23.8 35.6





#19

Methyl tert-butyl Ether

Concen: 2.384 ug/l

RT: 5.210 min Scan# 51

Delta R.T. -0.006 min

Lab File: VY007170.D

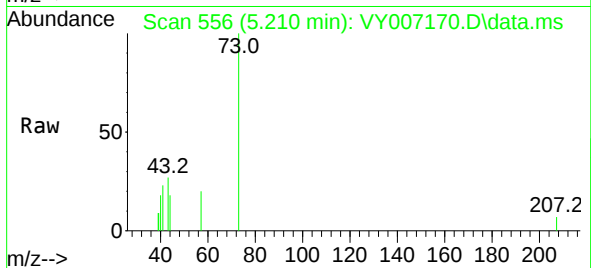
Acq: 14 Jan 2022 15:44

Instrument :

MSVOA_Y

ClientSampleId :

WEST-BOILER-ROOM-BOTTOM

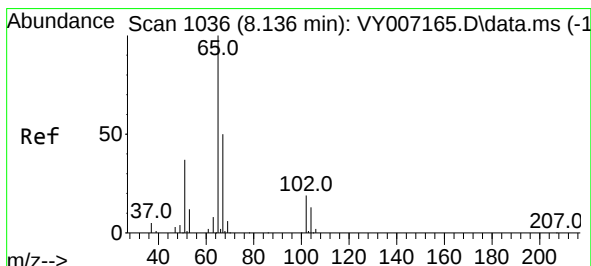
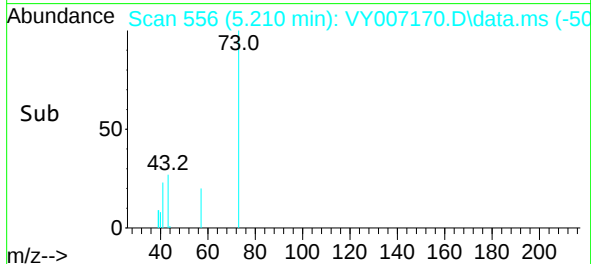
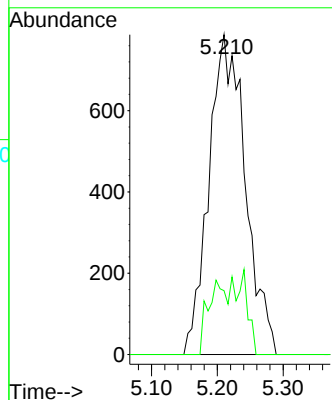


Tgt Ion: 73 Resp: 3032

Ion Ratio Lower Upper

73 100

57 19.9 17.4 26.2



#33

1,2-Dichloroethane-d4

Concen: 45.680 ug/l

RT: 8.136 min Scan# 1036

Delta R.T. -0.006 min

Lab File: VY007170.D

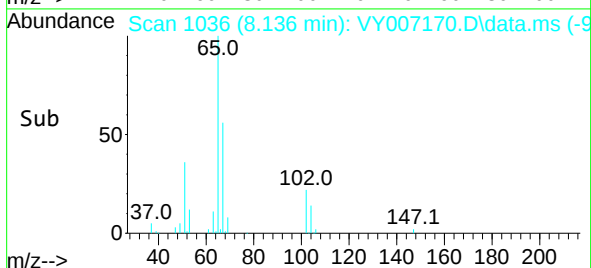
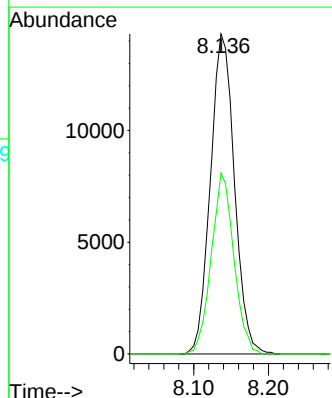
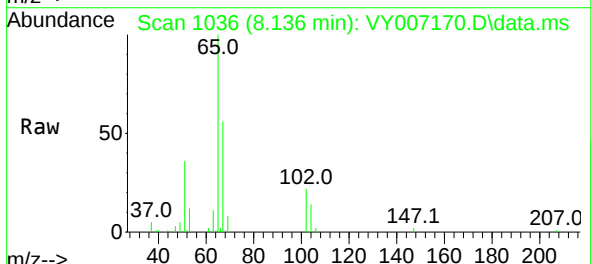
Acq: 14 Jan 2022 15:44

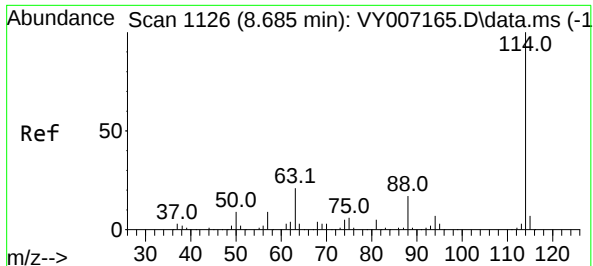
Tgt Ion: 65 Resp: 31993

Ion Ratio Lower Upper

65 100

67 53.3 0.0 105.6

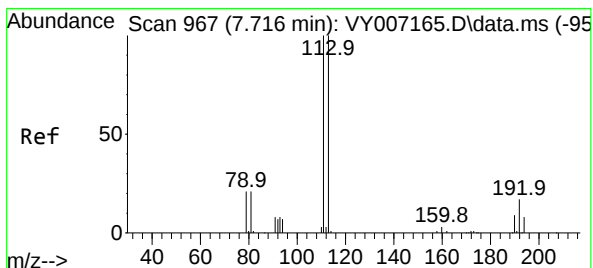
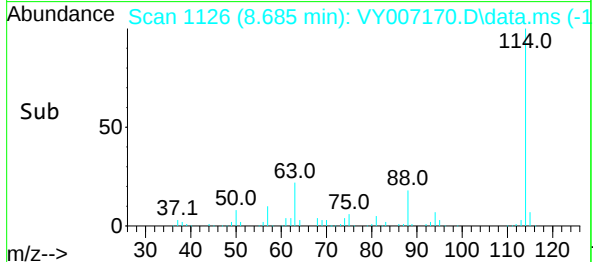
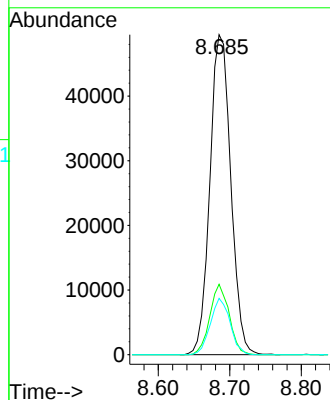
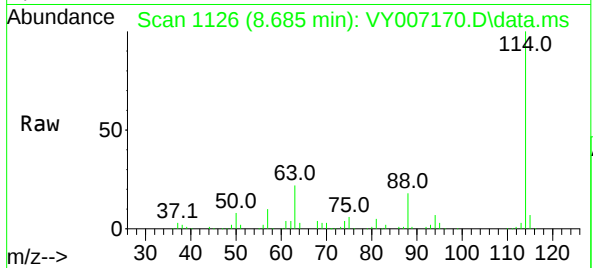




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.685 min Scan# 1126
Delta R.T. -0.006 min
Lab File: VY007170.D
Acq: 14 Jan 2022 15:44

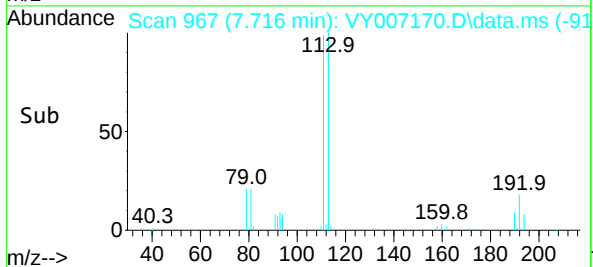
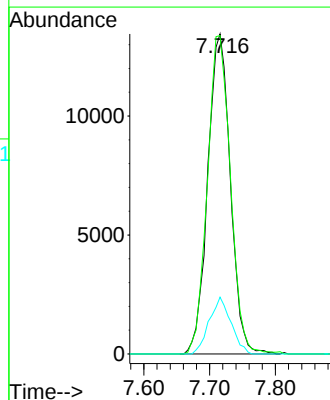
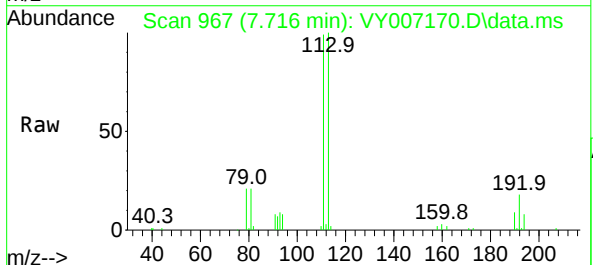
Instrument :
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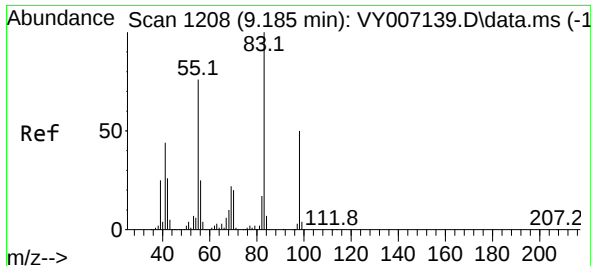
Tgt Ion:114 Resp: 100583
Ion Ratio Lower Upper
114 100
63 22.0 0.0 39.2
88 17.6 0.0 31.0



#35
Dibromofluoromethane
Concen: 47.318 ug/l
RT: 7.716 min Scan# 967
Delta R.T. 0.000 min
Lab File: VY007170.D
Acq: 14 Jan 2022 15:44

Tgt Ion:113 Resp: 32182
Ion Ratio Lower Upper
113 100
111 101.7 82.2 123.4
192 17.1 14.2 21.4

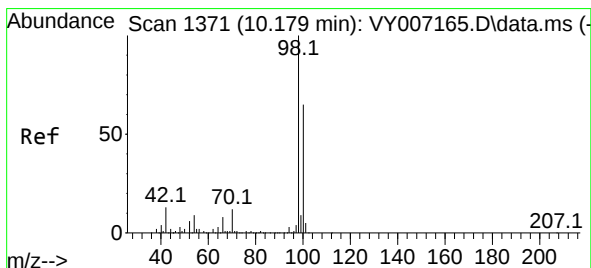
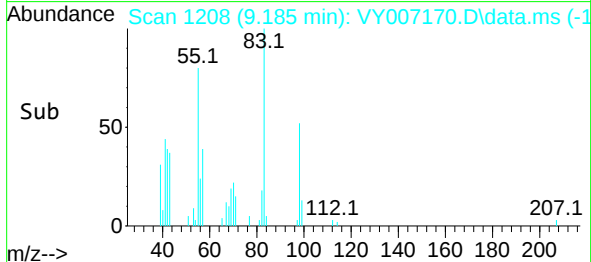
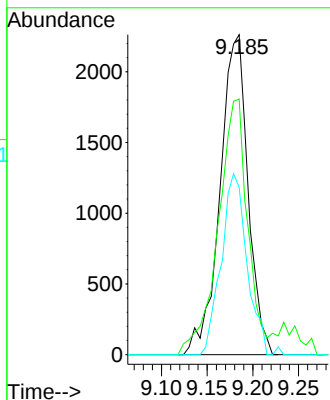
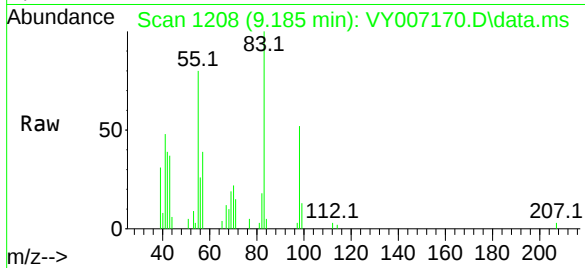




#39
Methylcyclohexane
Concen: 3.633 ug/l
RT: 9.185 min Scan# 1208
Delta R.T. 0.000 min
Lab File: VY007170.D
Acq: 14 Jan 2022 15:44

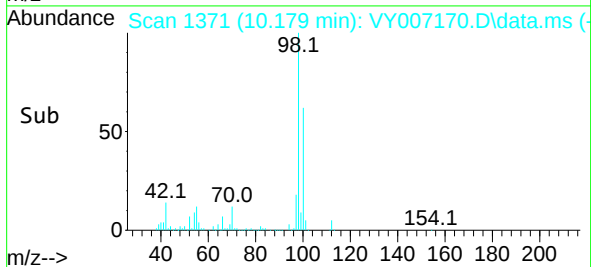
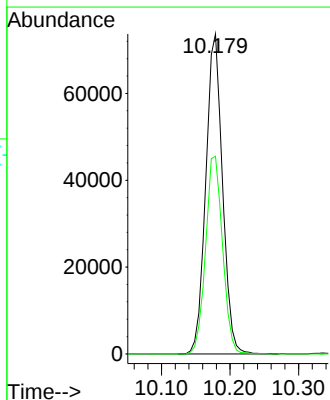
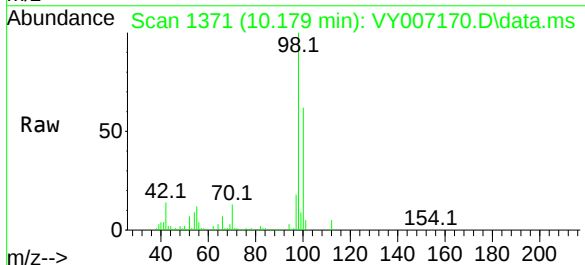
Instrument :
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ClientSampleId :
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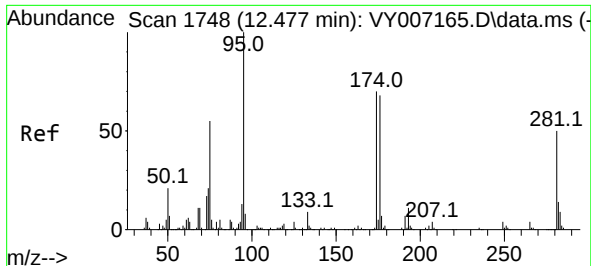
Tgt Ion: 83 Resp: 4818
Ion Ratio Lower Upper
83 100
55 79.9 58.8 88.2
98 52.3 38.7 58.1



#50
Toluene-d8
Concen: 50.339 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.000 min
Lab File: VY007170.D
Acq: 14 Jan 2022 15:44

Tgt Ion: 98 Resp: 125099
Ion Ratio Lower Upper
98 100
100 62.9 52.2 78.2

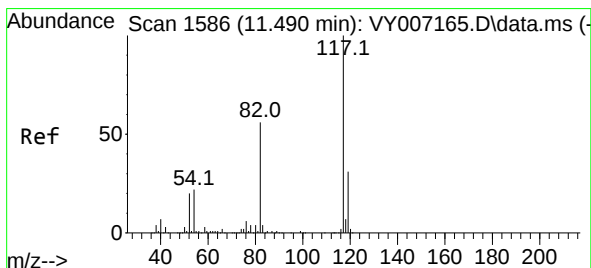
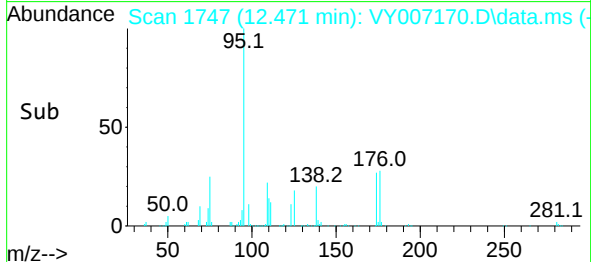
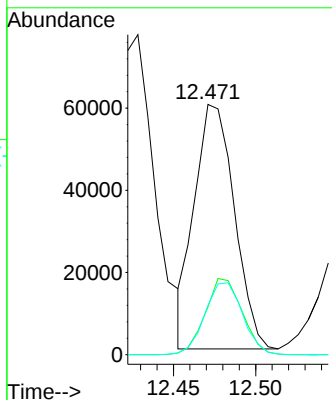
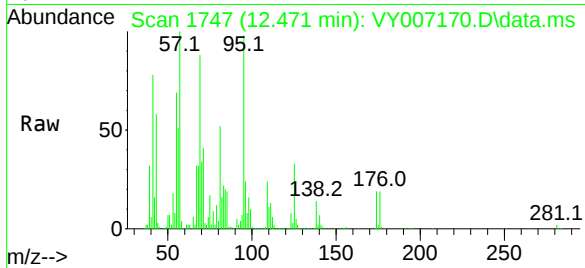




#62
4-Bromofluorobenzene
Concen: 113.904 ug/l
RT: 12.471 min Scan# 1747
Delta R.T. -0.012 min
Lab File: VY007170.D
Acq: 14 Jan 2022 15:44

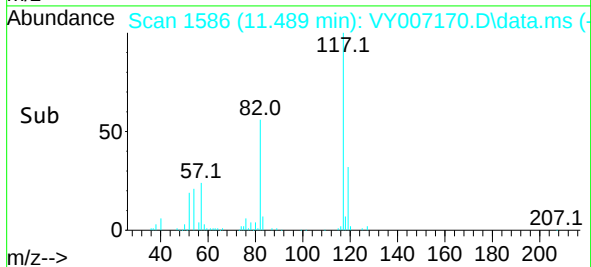
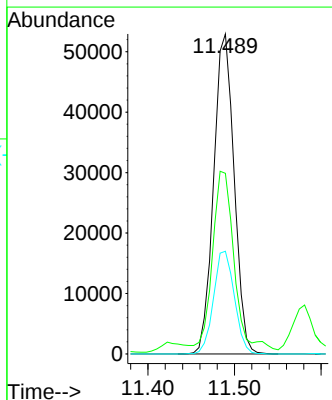
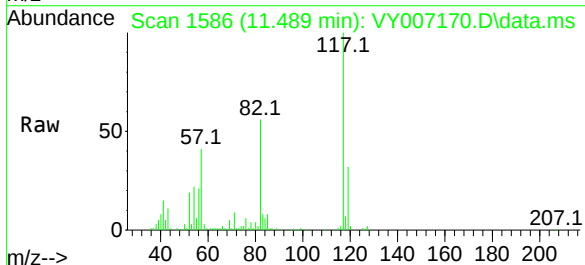
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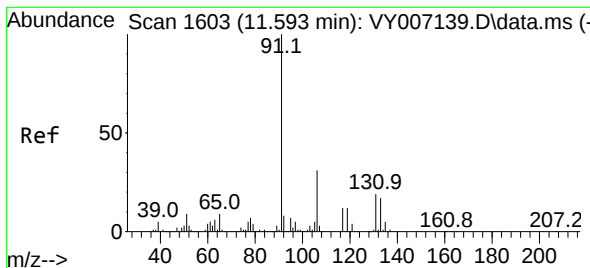
Tgt Ion: 95 Resp: 100692
Ion Ratio Lower Upper
95 100
174 28.9 0.0 148.4
176 27.9 0.0 146.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY007170.D
Acq: 14 Jan 2022 15:44

Tgt Ion: 117 Resp: 86866
Ion Ratio Lower Upper
117 100
82 55.2 45.4 68.0
119 32.1 26.4 39.6





#67

Ethyl Benzene

Concen: 10.936 ug/l

RT: 11.593 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY007170.D

Acq: 14 Jan 2022 15:44

Instrument :

MSVOA_Y

ClientSampleId :

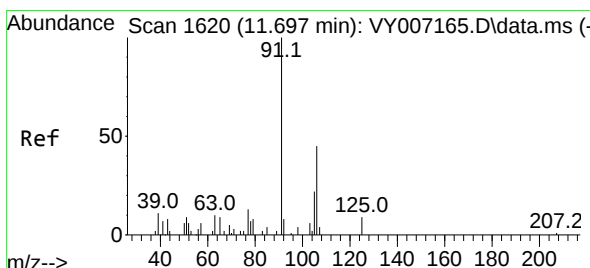
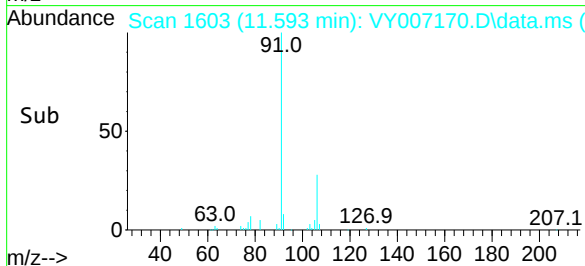
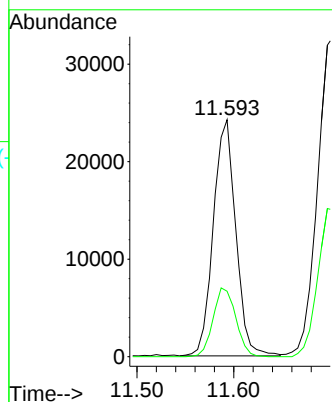
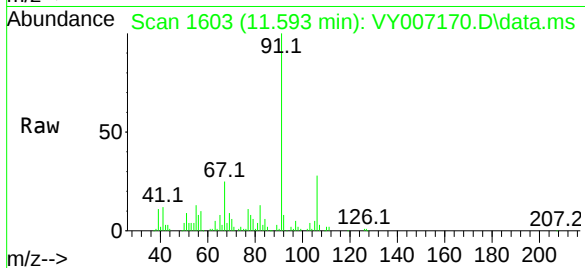
WEST-BOILER-ROOM-BOTTOM

Tgt Ion: 91 Resp: 39039

Ion Ratio Lower Upper

91 100

106 27.7 23.9 35.9



#68

m/p-Xylenes

Concen: 20.776 ug/l

RT: 11.697 min Scan# 1620

Delta R.T. -0.006 min

Lab File: VY007170.D

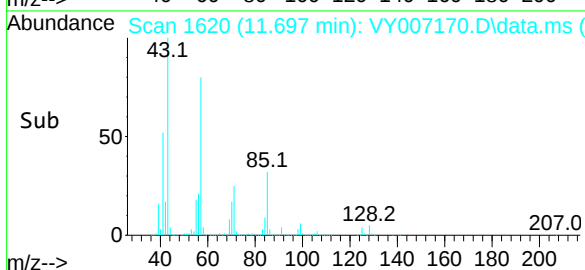
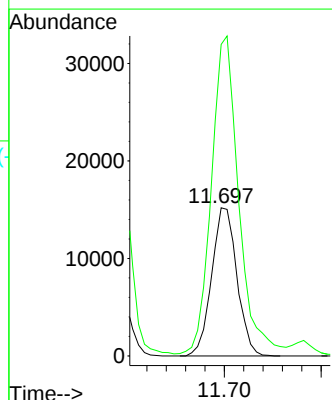
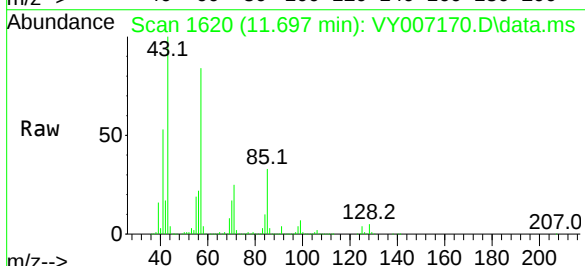
Acq: 14 Jan 2022 15:44

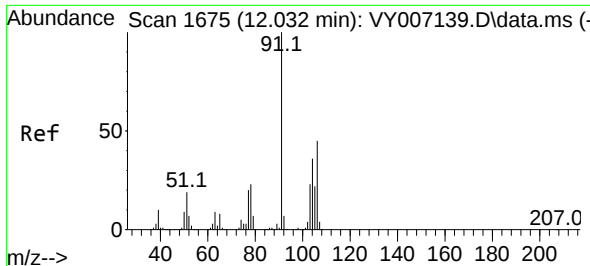
Tgt Ion:106 Resp: 27562

Ion Ratio Lower Upper

106 100

91 232.6 167.1 250.7

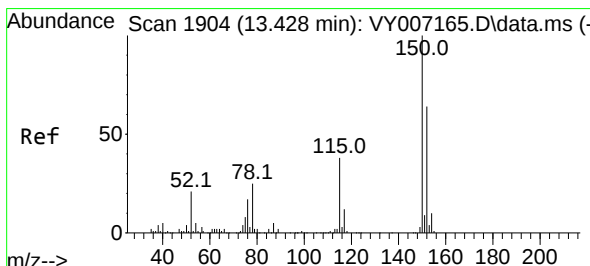
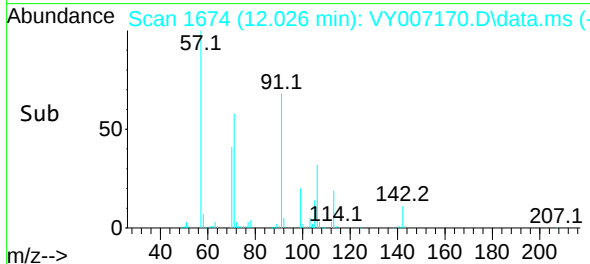
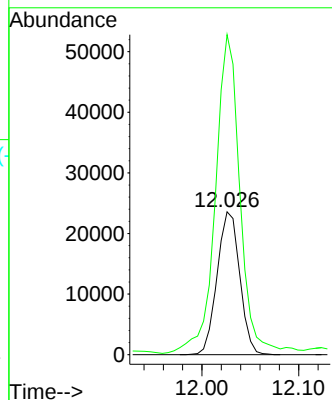
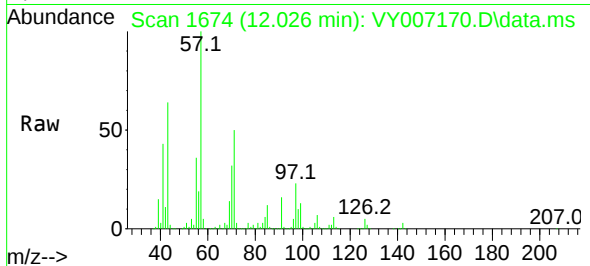




#69
o-Xylene
Concen: 30.603 ug/l
RT: 12.026 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY007170.D
Acq: 14 Jan 2022 15:44

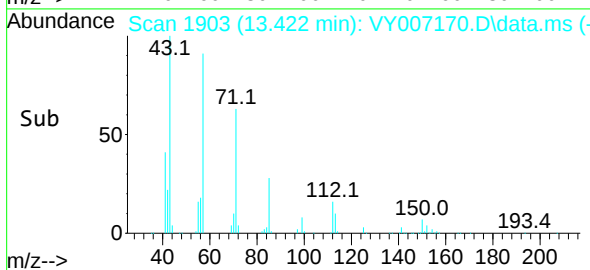
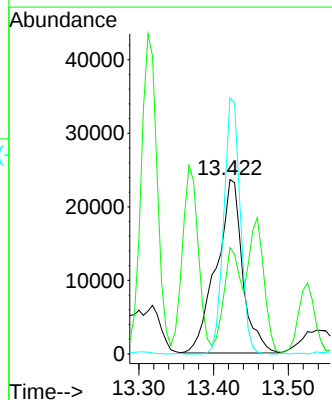
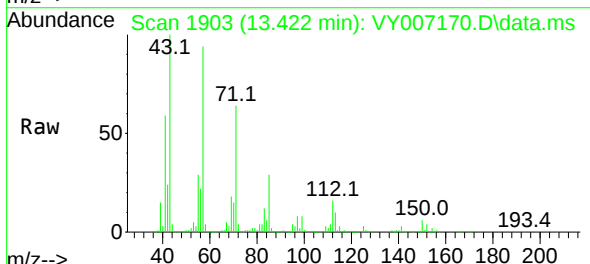
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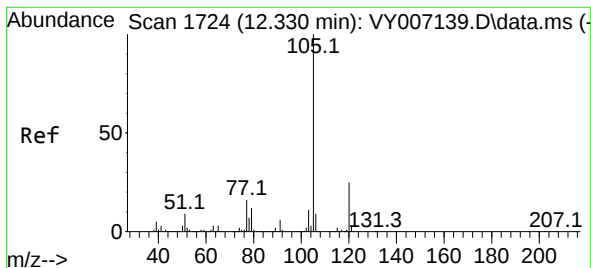
Tgt Ion:106 Resp: 38233
Ion Ratio Lower Upper
106 100
91 242.9 109.9 329.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY007170.D
Acq: 14 Jan 2022 15:44

Tgt Ion:152 Resp: 57276
Ion Ratio Lower Upper
152 100
115 36.1 31.4 94.0
150 93.4 0.0 348.4





#73

Isopropylbenzene

Concen: 35.559 ug/l

RT: 12.331 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY007170.D

Acq: 14 Jan 2022 15:44

Instrument :

MSVOA_Y

ClientSampleId :

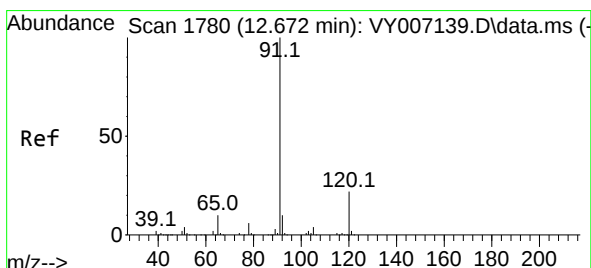
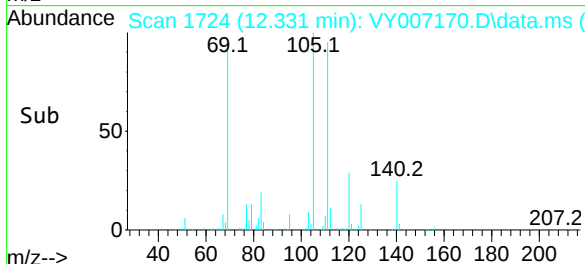
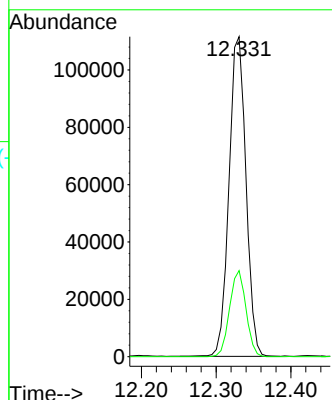
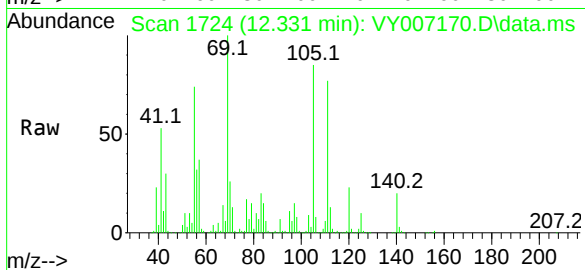
WEST-BOILER-ROOM-BOTTOM

Tgt Ion:105 Resp: 175909

Ion Ratio Lower Upper

105 100

120 26.0 13.1 39.1



#78

n-propylbenzene

Concen: 115.967 ug/l

RT: 12.672 min Scan# 1780

Delta R.T. 0.000 min

Lab File: VY007170.D

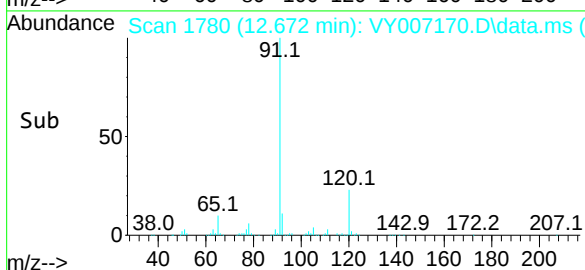
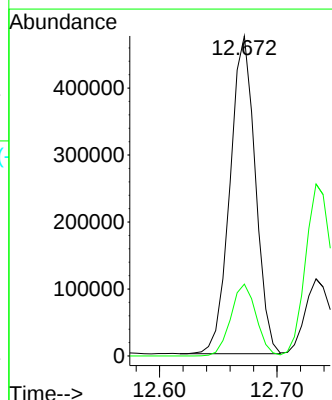
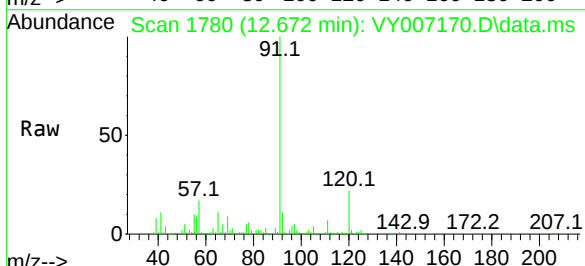
Acq: 14 Jan 2022 15:44

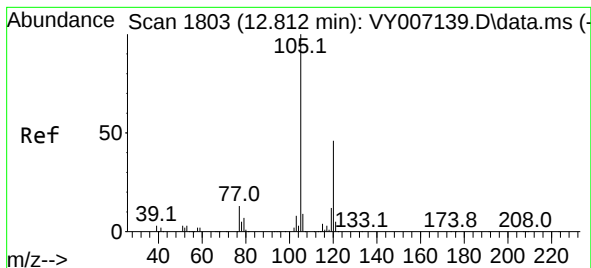
Tgt Ion: 91 Resp: 711164

Ion Ratio Lower Upper

91 100

120 22.7 11.2 33.5





#80

1,3,5-Trimethylbenzene

Concen: 335.456 ug/l

RT: 12.812 min Scan# 1803

Delta R.T. 0.000 min

Lab File: VY007170.D

Acq: 14 Jan 2022 15:44

Instrument :

MSVOA_Y

ClientSampleId :

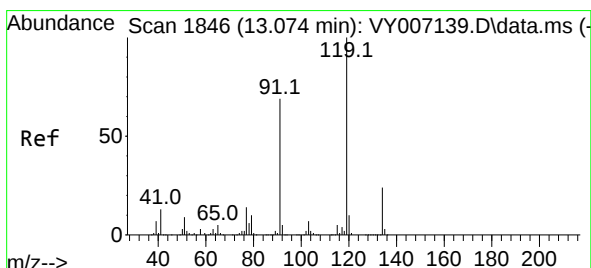
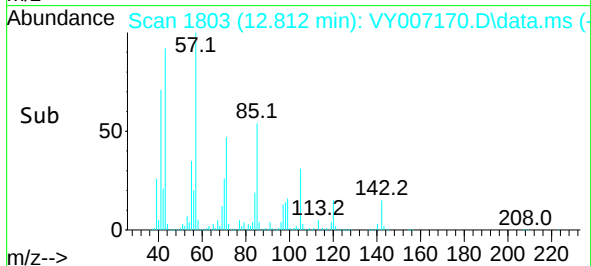
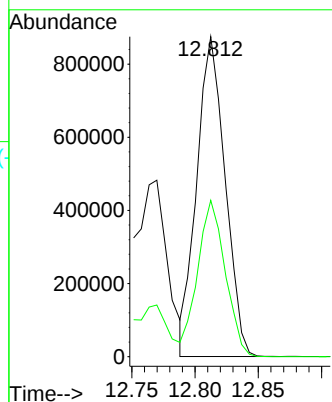
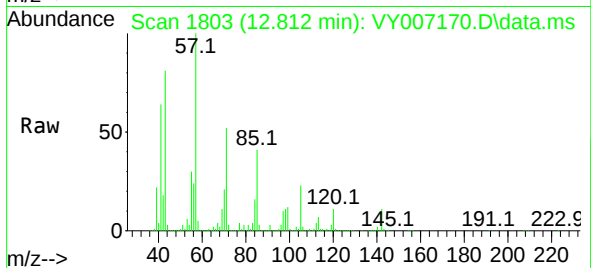
WEST-BOILER-ROOM-BOTTOM

Tgt Ion:105 Resp: 1362572

Ion Ratio Lower Upper

105 100

120 47.8 23.7 71.1



#83

tert-Butylbenzene

Concen: 80.794 ug/l

RT: 13.075 min Scan# 1846

Delta R.T. 0.000 min

Lab File: VY007170.D

Acq: 14 Jan 2022 15:44

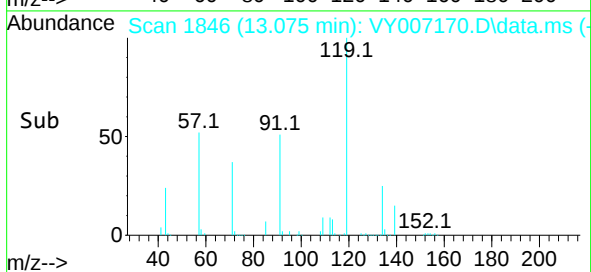
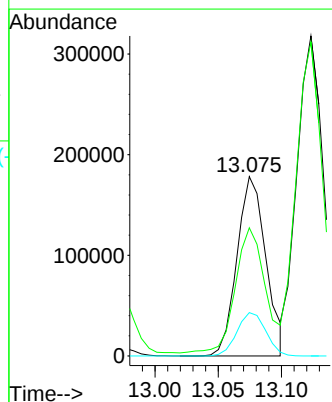
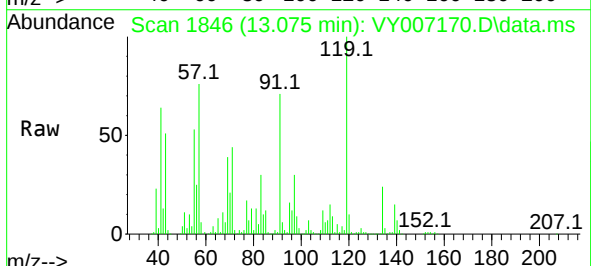
Tgt Ion:119 Resp: 283570

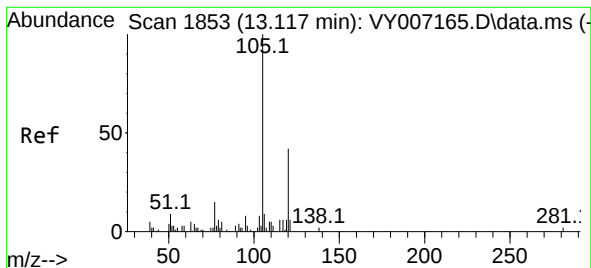
Ion Ratio Lower Upper

119 100

91 71.9 33.1 99.5

134 24.2 12.9 38.7





#84

1,2,4-Trimethylbenzene

Concen: 977.909 ug/l

RT: 13.123 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VY007170.D

Acq: 14 Jan 2022 15:44

Instrument :

MSVOA_Y

ClientSampleId :

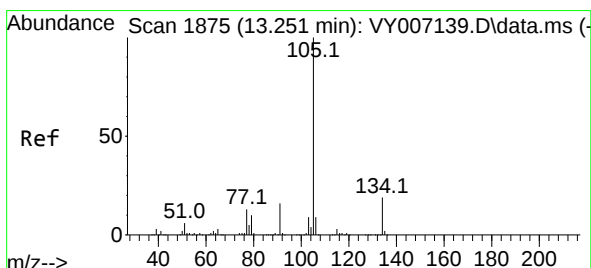
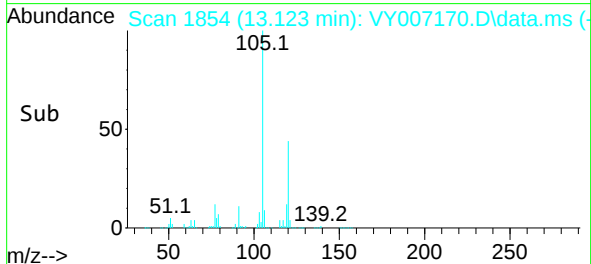
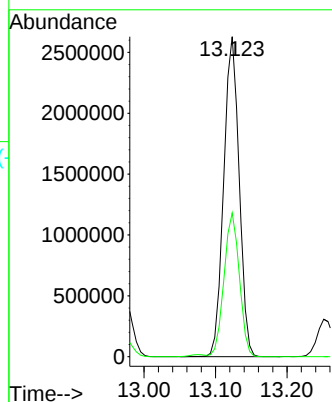
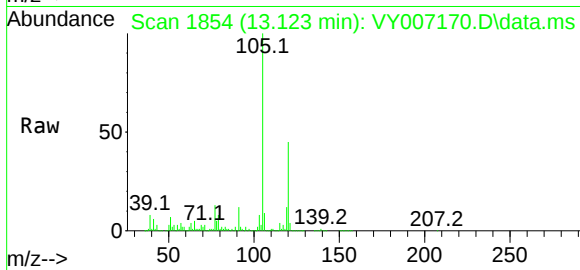
WEST-BOILER-ROOM-BOTTOM

Tgt Ion:105 Resp: 3937238

Ion Ratio Lower Upper

105 100

120 44.7 21.6 64.6



#85

sec-Butylbenzene

Concen: 89.375 ug/l

RT: 13.251 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VY007170.D

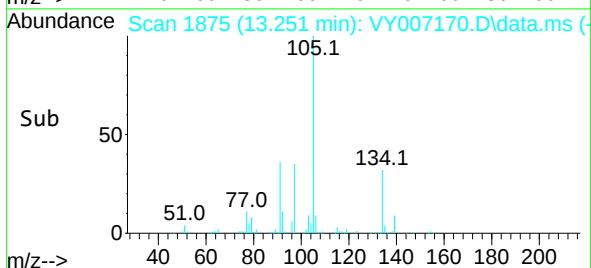
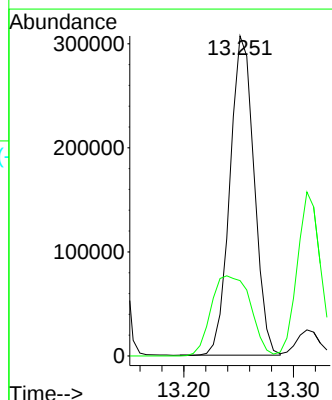
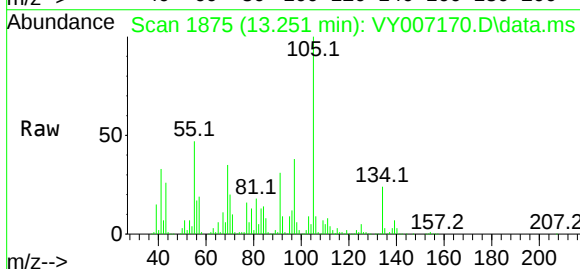
Acq: 14 Jan 2022 15:44

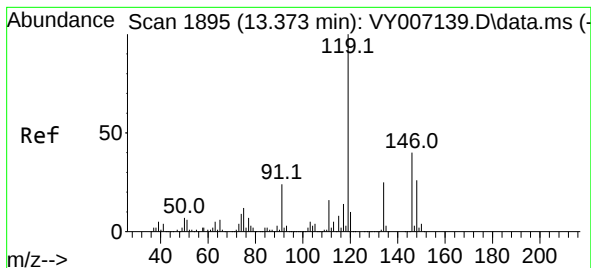
Tgt Ion:105 Resp: 469285

Ion Ratio Lower Upper

105 100

134 40.8 9.9 29.7#





#86

p-Isopropyltoluene

Concen: 112.489 ug/l

RT: 13.367 min Scan# 1894

Delta R.T. -0.006 min

Lab File: VY007170.D

Acq: 14 Jan 2022 15:44

Instrument :

MSVOA_Y

ClientSampleId :

WEST-BOILER-ROOM-BOTTOM

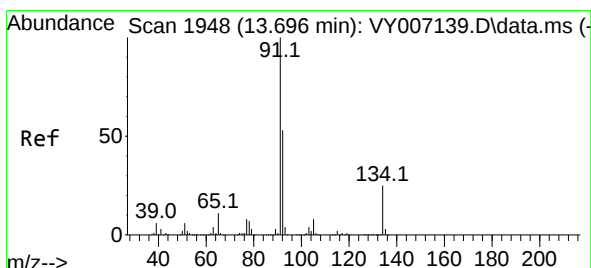
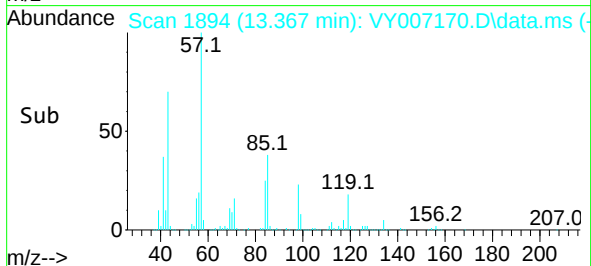
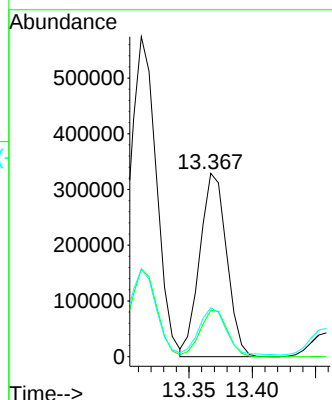
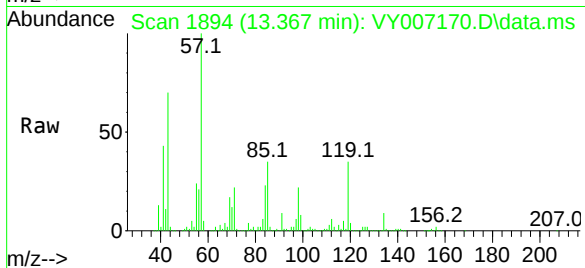
Tgt Ion:119 Resp: 485390

Ion Ratio Lower Upper

119 100

134 25.7 12.9 38.7

91 26.0 12.4 37.2



#89

n-Butylbenzene

Concen: 129.913 ug/l

RT: 13.696 min Scan# 1948

Delta R.T. 0.000 min

Lab File: VY007170.D

Acq: 14 Jan 2022 15:44

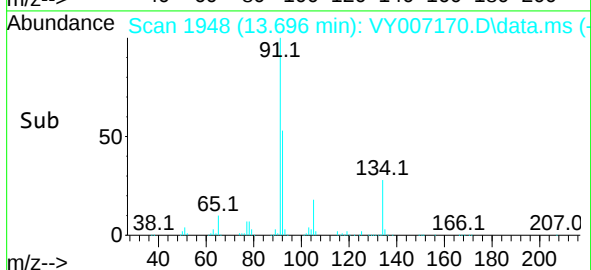
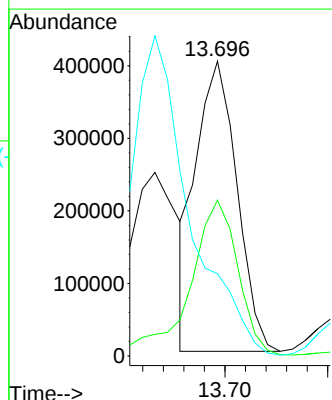
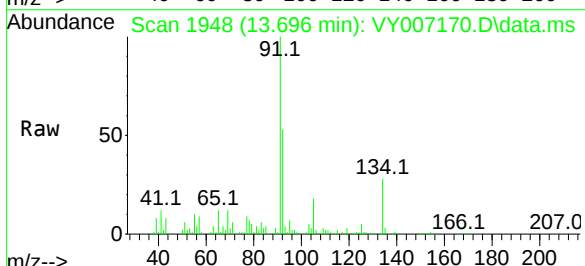
Tgt Ion: 91 Resp: 551957

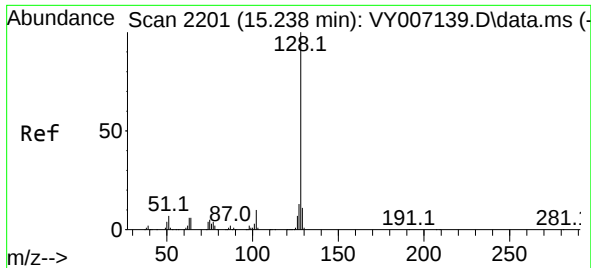
Ion Ratio Lower Upper

91 100

92 62.4 26.9 80.6

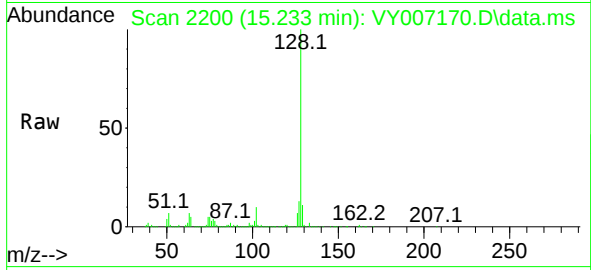
134 0.0 12.6 37.6#





#95
Naphthalene
Concen: 111.702 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY007170.D
Acq: 14 Jan 2022 15:44

Instrument :
MSVOA_Y
ClientSampleId :
WEST-BOILER-ROOM-BOTTOM



Tgt Ion:	128	Resp:	270464
Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.3	15.5
129	10.8	8.9	13.3

