

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061622\
 Data File : VY009198.D
 Acq On : 16 Jun 2022 13:10
 Operator : KP/MD
 Sample : N3334-21
 Misc : 5.09g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-14A-1A-5

Quant Time: Jun 16 15:41:57 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y061522S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 16 02:54:06 2022
 Response via : Initial Calibration

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

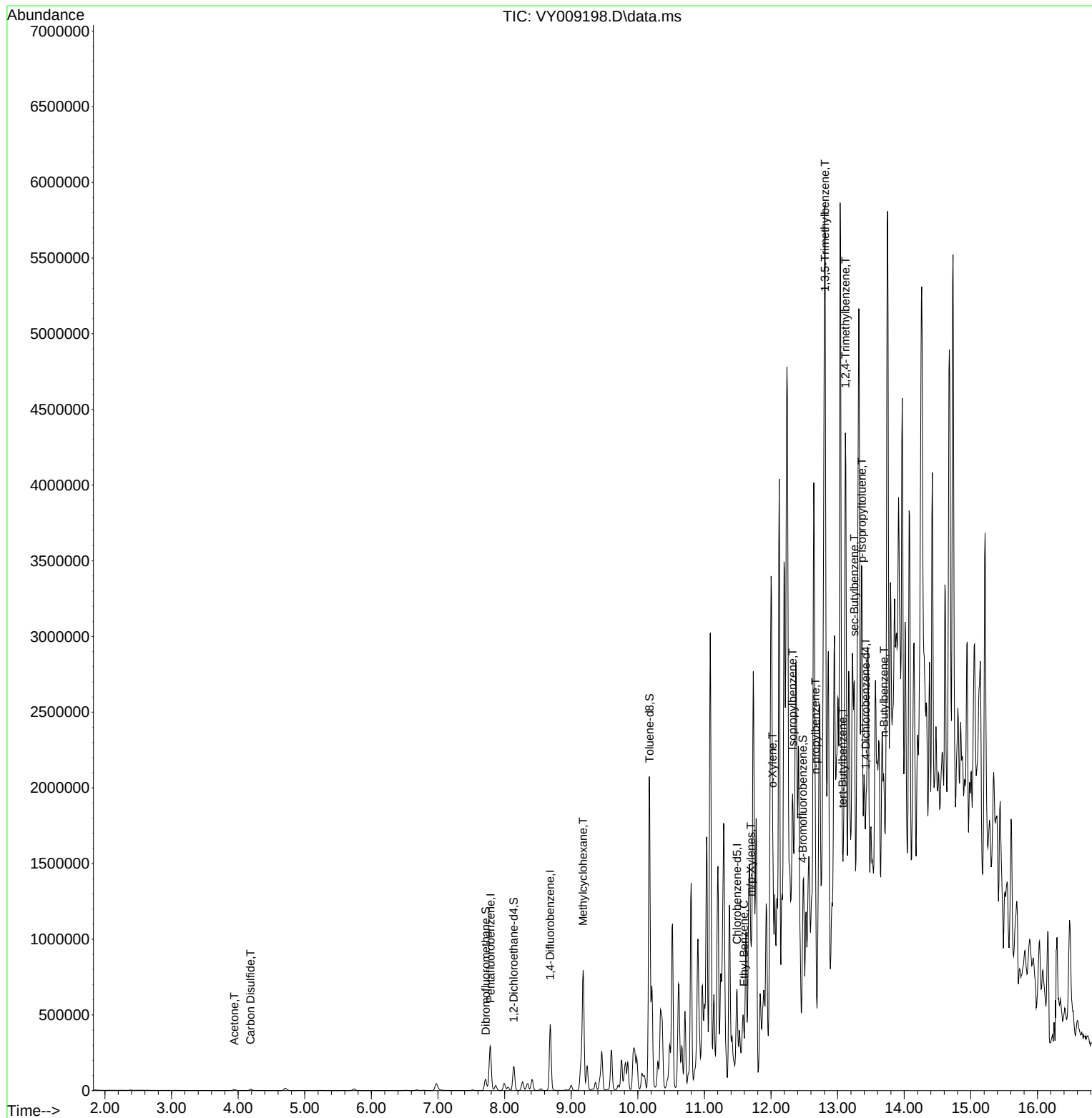
Internal Standards						
1) Pentafluorobenzene	7.789	168	223467	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	375998	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	269168	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	96143	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	123905	53.079	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.160%	
35) Dibromofluoromethane	7.716	113	53428	22.664	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 45.320%#	
50) Toluene-d8	10.179	98	468454	52.203	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 104.400%	
62) 4-Bromofluorobenzene	12.477	95	165628	51.940	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 103.880%	
Target Compounds						Qvalue
16) Acetone	3.942	43	13563	23.066	ug/l #	84
17) Carbon Disulfide	4.186	76	14881	2.417	ug/l	98
39) Methylcyclohexane	9.179	83	330092	75.505	ug/l	94
67) Ethyl Benzene	11.593	91	69370	6.818	ug/l	95
68) m/p-Xylenes	11.697	106	86171	21.482	ug/l	97
69) o-Xylene	12.026	106	111139	29.242	ug/l	97
73) Isopropylbenzene	12.325	105	368718	50.955	ug/l	99
78) n-propylbenzene	12.666	91	565902	64.635	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	599036	99.046	ug/l	99
83) tert-Butylbenzene	13.075	119	41020	7.714	ug/l	87
84) 1,2,4-Trimethylbenzene	13.117	105	1499772	252.639	ug/l	96
85) sec-Butylbenzene	13.251	105	415603	52.782	ug/l #	72
86) p-Isopropyltoluene	13.367	119	190569	29.165	ug/l	96
89) n-Butylbenzene	13.696	91	367284	59.442	ug/l #	72

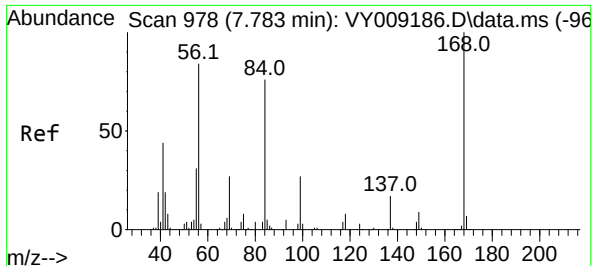
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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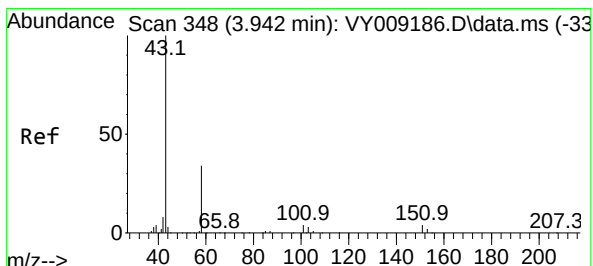
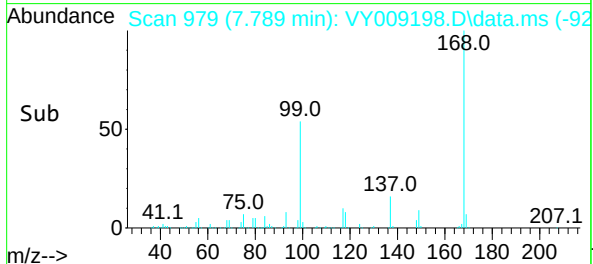
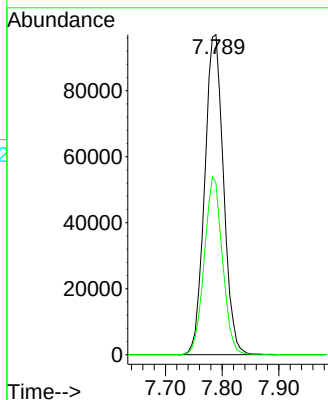
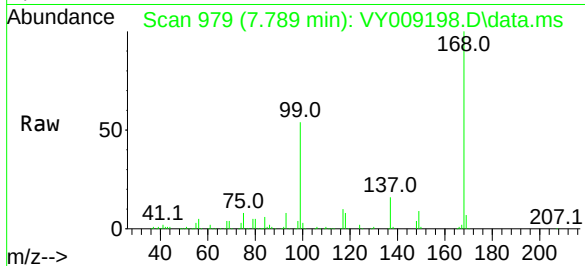




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY009198.D
Acq: 16 Jun 2022 13:10

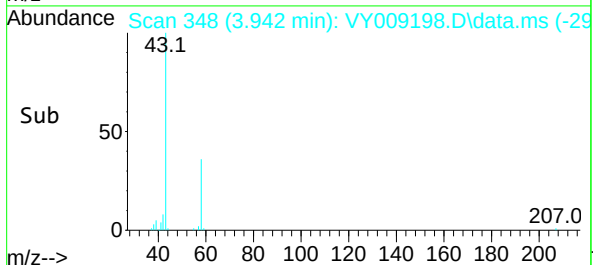
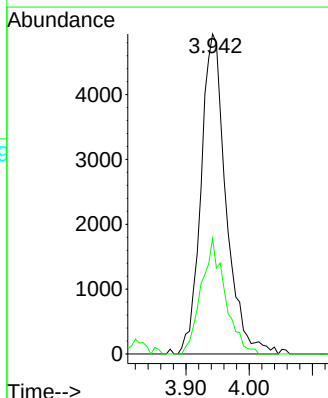
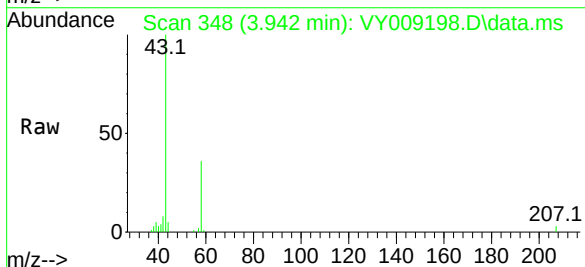
Instrument :
MSVOA_Y
ClientSampleId :
WC-14A-1A-5

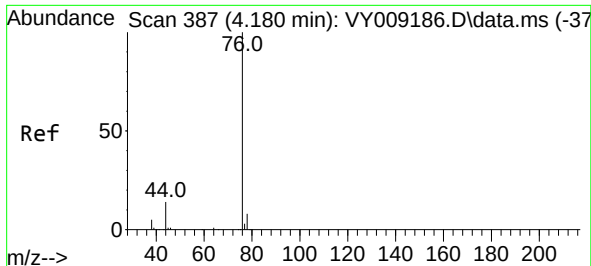
Tgt Ion:168 Resp: 223467
Ion Ratio Lower Upper
168 100
99 53.6 46.9 70.3



#16
Acetone
Concen: 23.066 ug/l
RT: 3.942 min Scan# 348
Delta R.T. 0.000 min
Lab File: VY009198.D
Acq: 16 Jun 2022 13:10

Tgt Ion: 43 Resp: 13563
Ion Ratio Lower Upper
43 100
58 36.1 22.0 33.0#

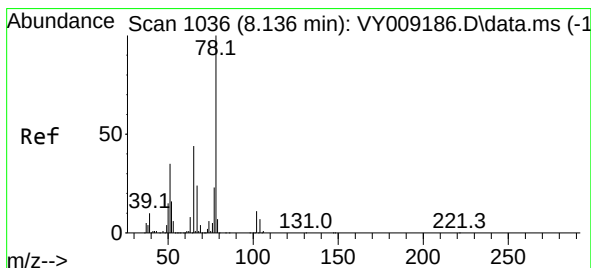
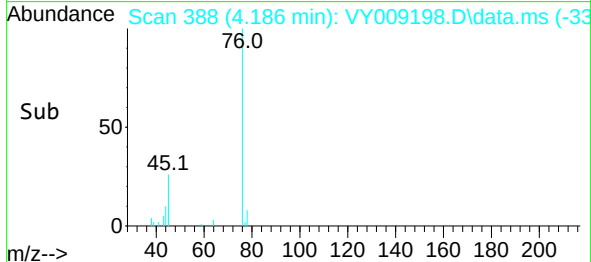
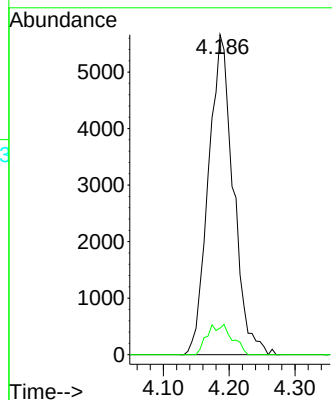
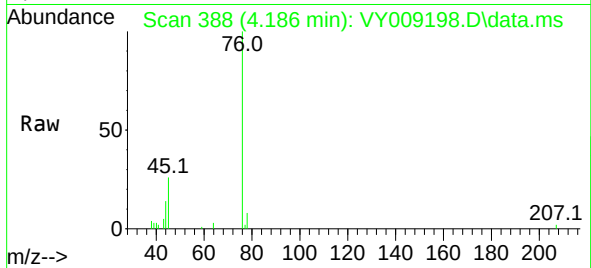




#17
Carbon Disulfide
Concen: 2.417 ug/l
RT: 4.186 min Scan# 31
Delta R.T. 0.006 min
Lab File: VY009198.D
Acq: 16 Jun 2022 13:10

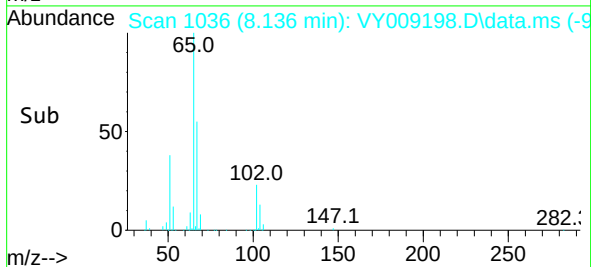
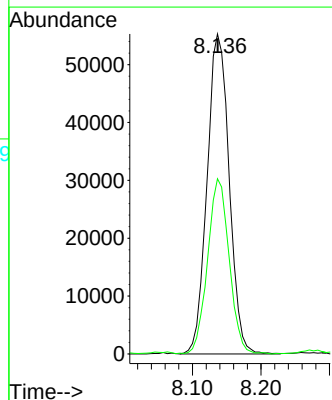
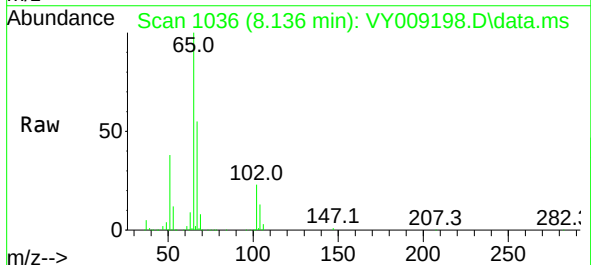
Instrument :
MSVOA_Y
ClientSampleId :
WC-14A-1A-5

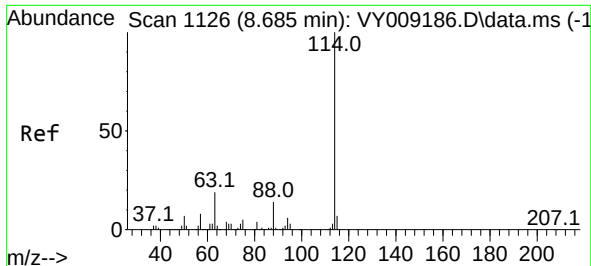
Tgt Ion: 76 Resp: 14881
Ion Ratio Lower Upper
76 100
78 8.3 7.4 11.0



#33
1,2-Dichloroethane-d4
Concen: 53.079 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY009198.D
Acq: 16 Jun 2022 13:10

Tgt Ion: 65 Resp: 123905
Ion Ratio Lower Upper
65 100
67 53.5 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. 0.000 min

Lab File: VY009198.D

Acq: 16 Jun 2022 13:10

Instrument :

MSVOA_Y

ClientSampleId :

WC-14A-1A-5

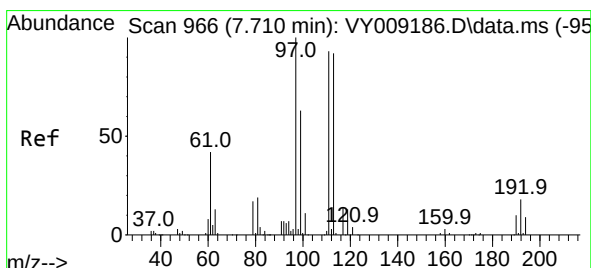
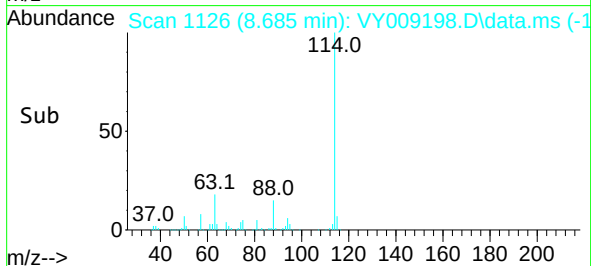
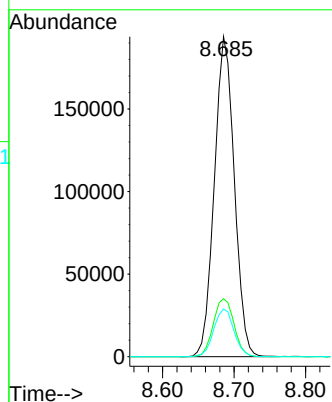
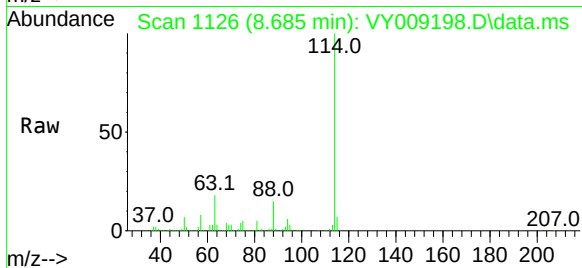
Tgt Ion:114 Resp: 375998

Ion Ratio Lower Upper

114 100

63 18.1 0.0 43.2

88 14.9 0.0 31.8



#35

Dibromofluoromethane

Concen: 22.664 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.006 min

Lab File: VY009198.D

Acq: 16 Jun 2022 13:10

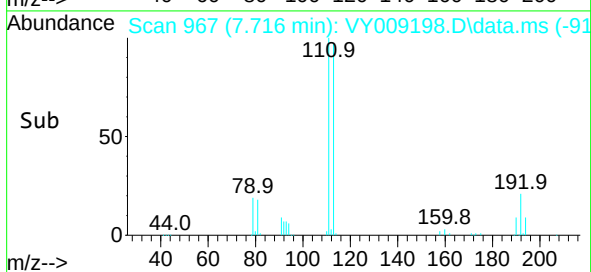
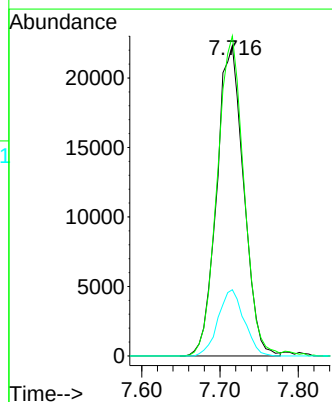
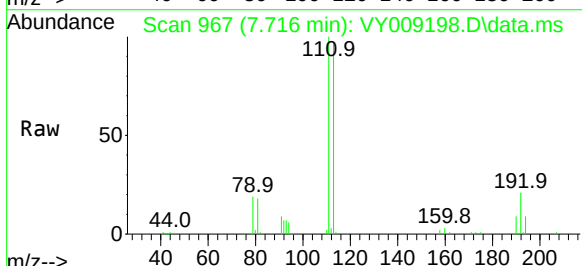
Tgt Ion:113 Resp: 53428

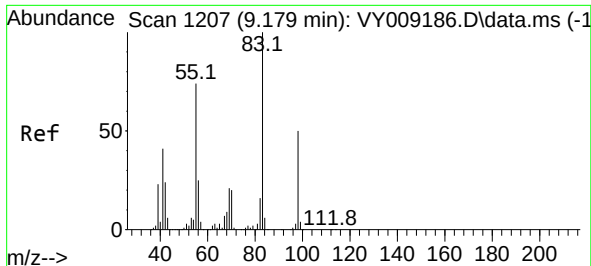
Ion Ratio Lower Upper

113 100

111 101.9 82.6 124.0

192 20.6 17.6 26.4

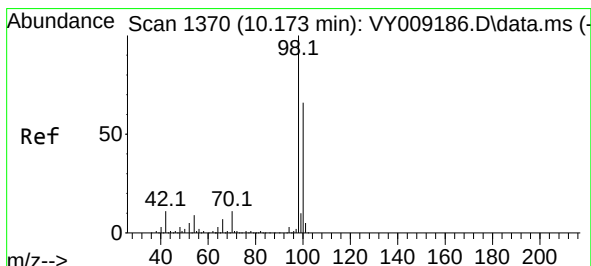
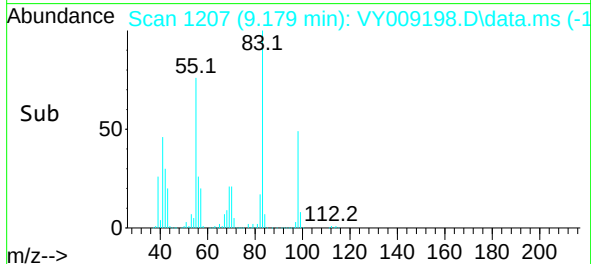
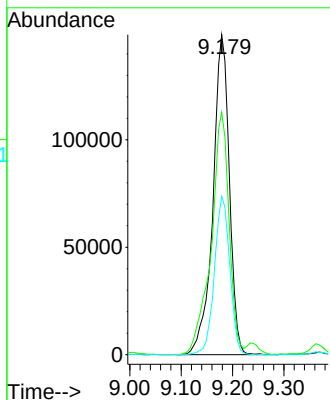
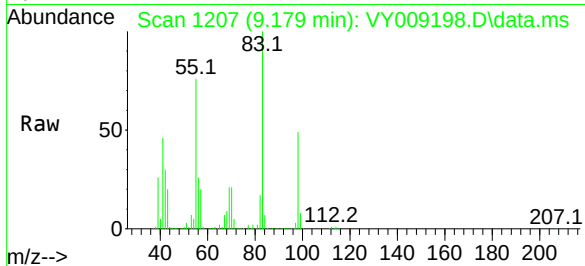




#39
Methylcyclohexane
Concen: 75.505 ug/l
RT: 9.179 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY009198.D
Acq: 16 Jun 2022 13:10

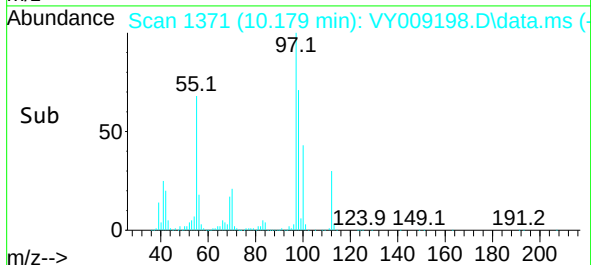
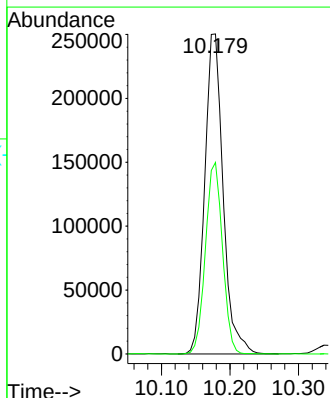
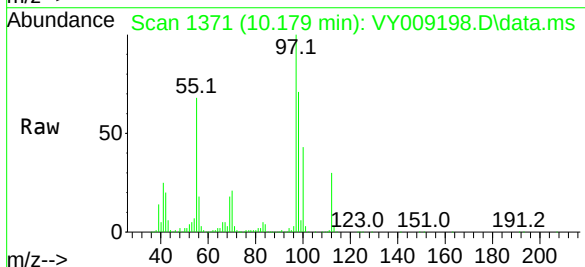
Instrument :
MSVOA_Y
ClientSampleId :
WC-14A-1A-5

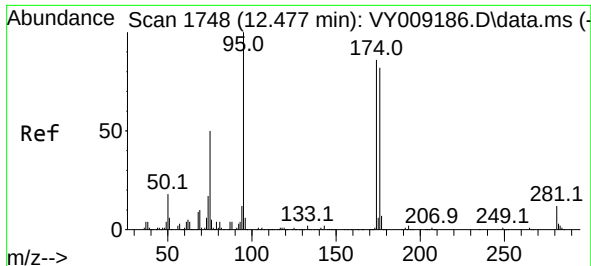
Tgt Ion: 83 Resp: 330092
Ion Ratio Lower Upper
83 100
55 75.6 66.5 99.7
98 49.5 37.9 56.9



#50
Toluene-d8
Concen: 52.203 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.006 min
Lab File: VY009198.D
Acq: 16 Jun 2022 13:10

Tgt Ion: 98 Resp: 468454
Ion Ratio Lower Upper
98 100
100 55.4 50.2 75.2

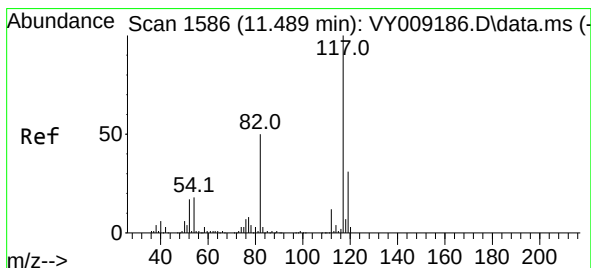
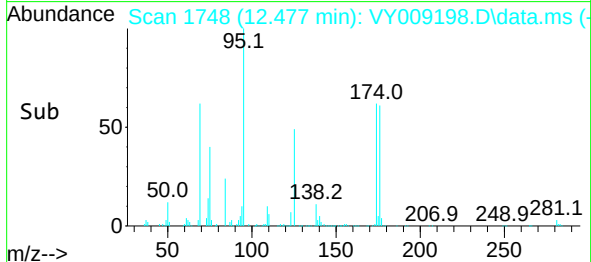
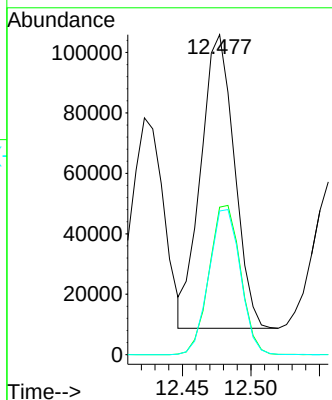
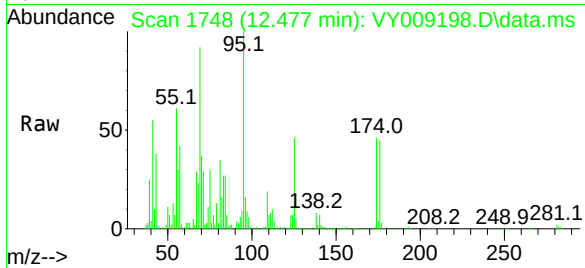




#62
4-Bromofluorobenzene
Concen: 51.940 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. 0.000 min
Lab File: VY009198.D
Acq: 16 Jun 2022 13:10

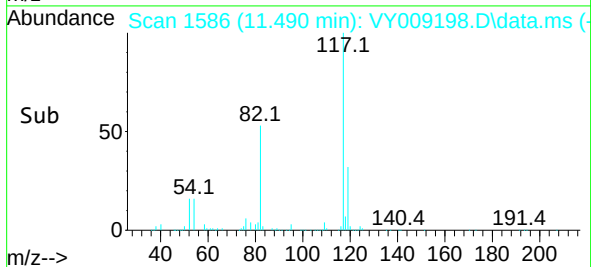
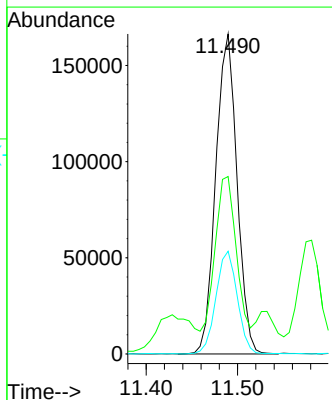
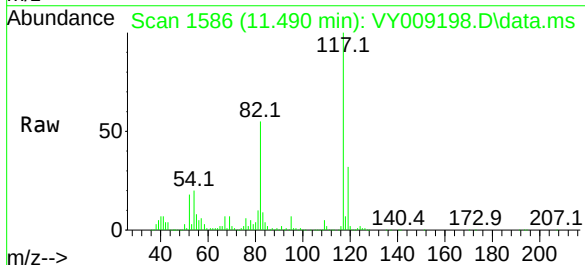
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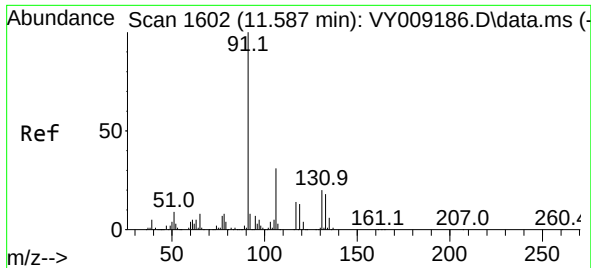
Tgt Ion: 95 Resp: 165628
Ion Ratio Lower Upper
95 100
174 47.7 0.0 177.0
176 46.5 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. 0.000 min
Lab File: VY009198.D
Acq: 16 Jun 2022 13:10

Tgt Ion: 117 Resp: 269168
Ion Ratio Lower Upper
117 100
82 49.0 43.0 64.4
119 32.1 25.4 38.0

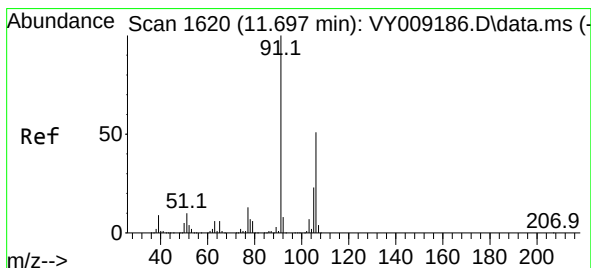
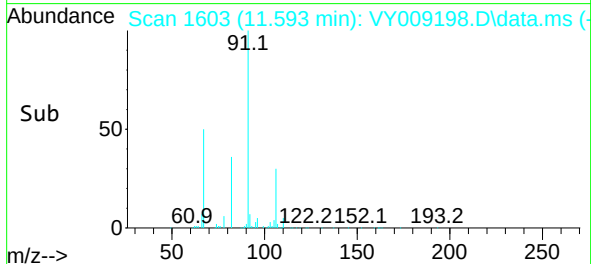
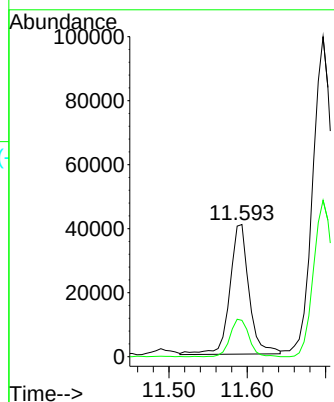
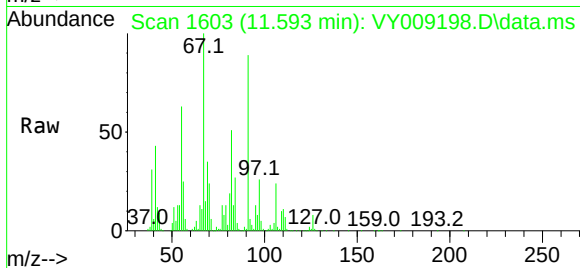




#67
Ethyl Benzene
Concen: 6.818 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. 0.006 min
Lab File: VY009198.D
Acq: 16 Jun 2022 13:10

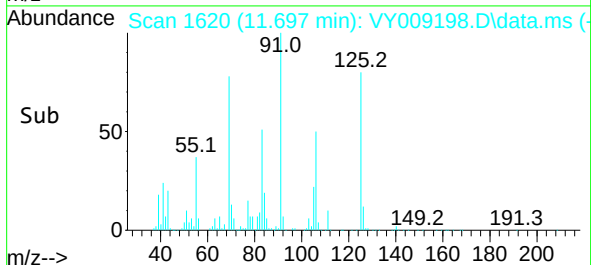
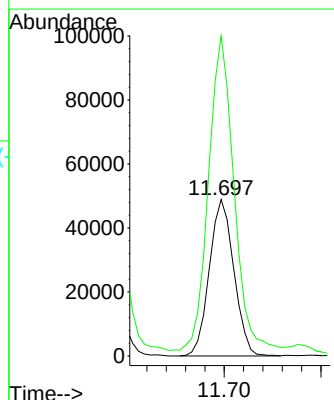
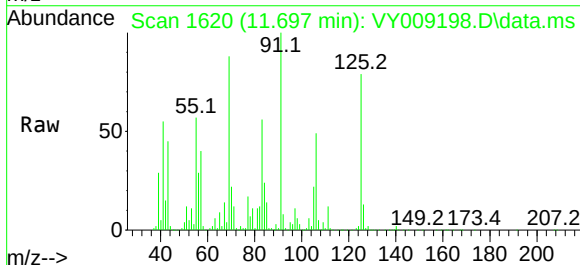
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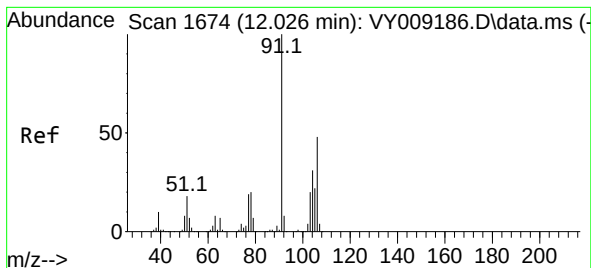
Tgt Ion: 91 Resp: 69370
Ion Ratio Lower Upper
91 100
106 28.1 24.5 36.7



#68
m/p-Xylenes
Concen: 21.482 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. 0.000 min
Lab File: VY009198.D
Acq: 16 Jun 2022 13:10

Tgt Ion: 106 Resp: 86171
Ion Ratio Lower Upper
106 100
91 212.1 166.6 249.8





#69

o-Xylene

Concen: 29.242 ug/l

RT: 12.026 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY009198.D

Acq: 16 Jun 2022 13:10

Instrument :

MSVOA_Y

ClientSampleId :

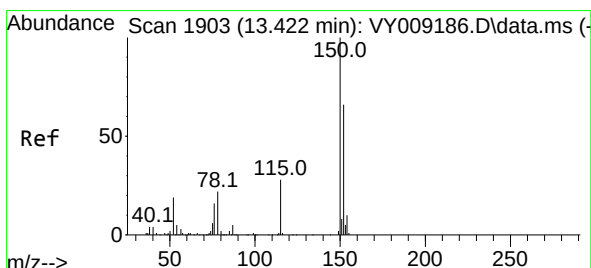
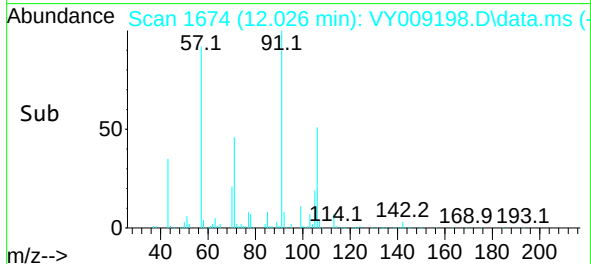
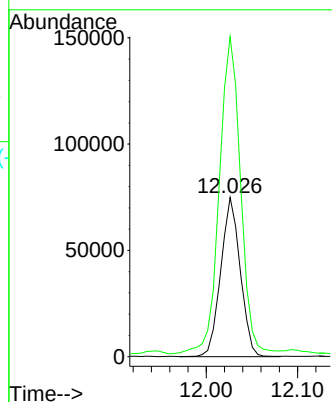
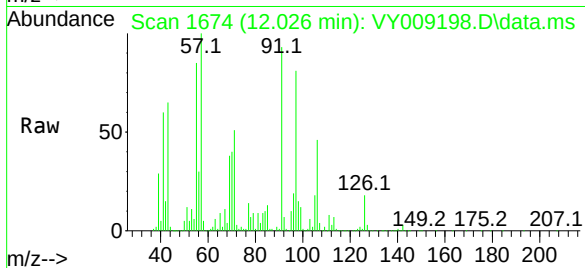
WC-14A-1A-5

Tgt Ion:106 Resp: 111139

Ion Ratio Lower Upper

106 100

91 216.3 110.3 331.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY009198.D

Acq: 16 Jun 2022 13:10

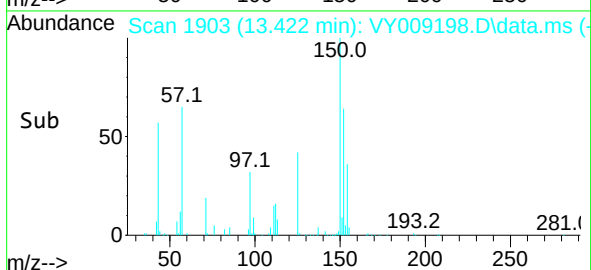
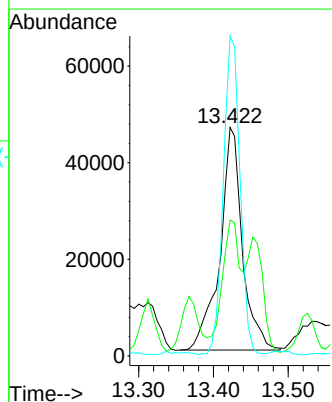
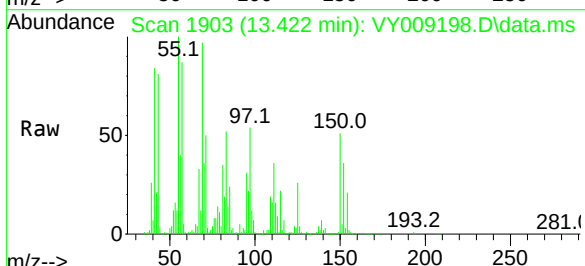
Tgt Ion:152 Resp: 96143

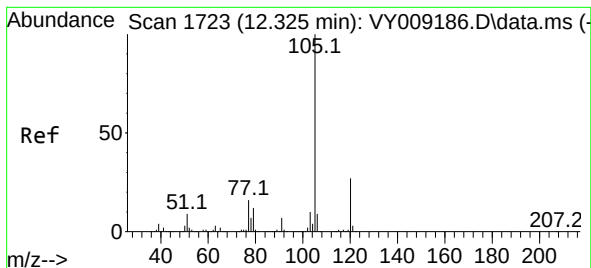
Ion Ratio Lower Upper

152 100

115 43.6 28.2 84.7

150 106.7 0.0 347.6





#73

Isopropylbenzene

Concen: 50.955 ug/l

RT: 12.325 min Scan# 1723

Delta R.T. 0.000 min

Lab File: VY009198.D

Acq: 16 Jun 2022 13:10

Instrument :

MSVOA_Y

ClientSampleId :

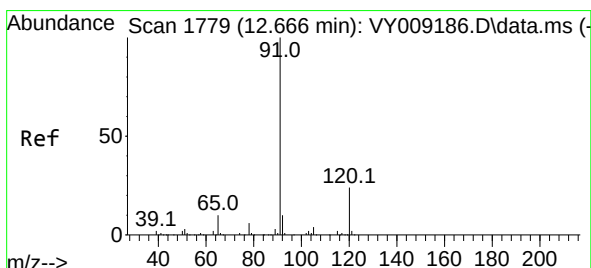
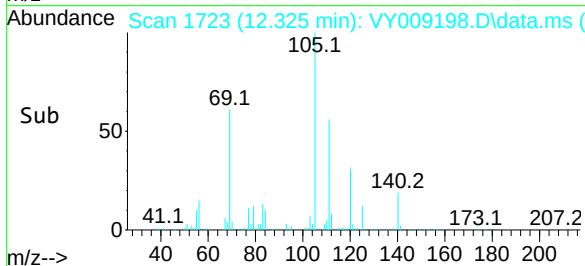
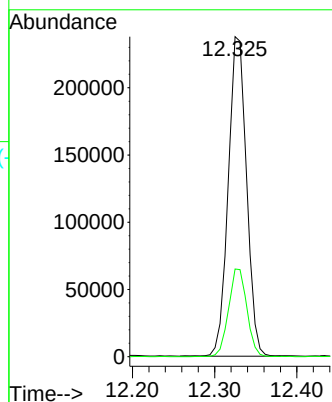
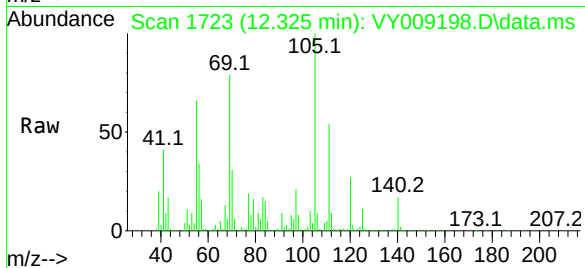
WC-14A-1A-5

Tgt Ion:105 Resp: 368718

Ion Ratio Lower Upper

105 100

120 27.5 13.4 40.2



#78

n-propylbenzene

Concen: 64.635 ug/l

RT: 12.666 min Scan# 1779

Delta R.T. 0.000 min

Lab File: VY009198.D

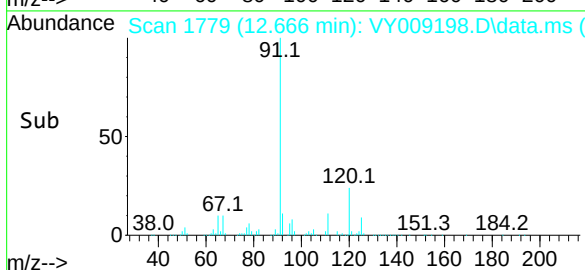
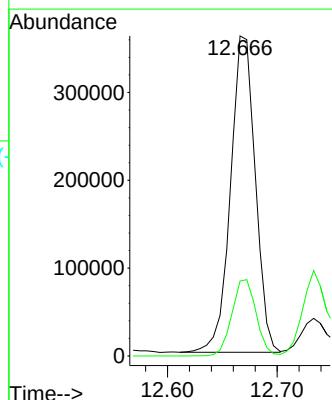
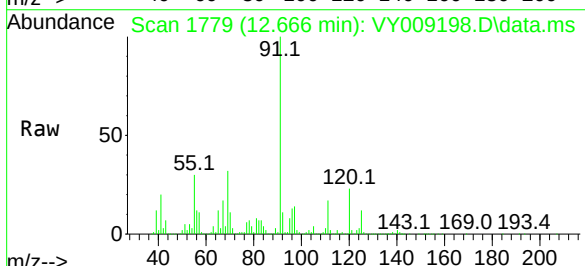
Acq: 16 Jun 2022 13:10

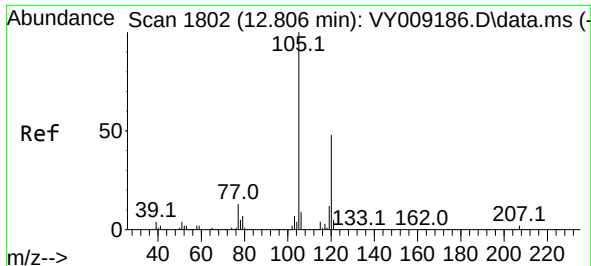
Tgt Ion: 91 Resp: 565902

Ion Ratio Lower Upper

91 100

120 23.7 11.3 33.9

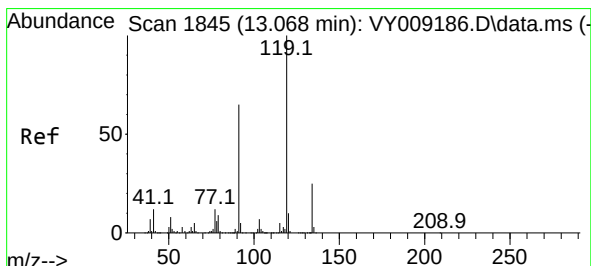
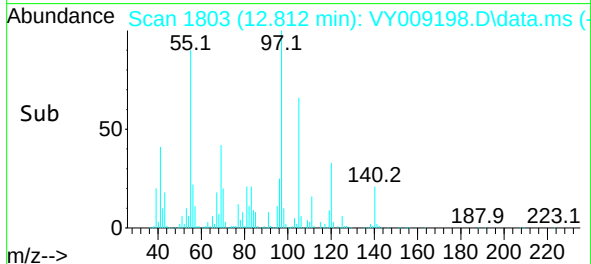
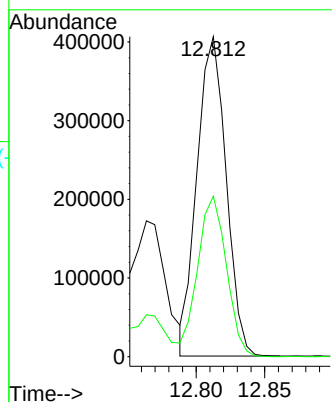
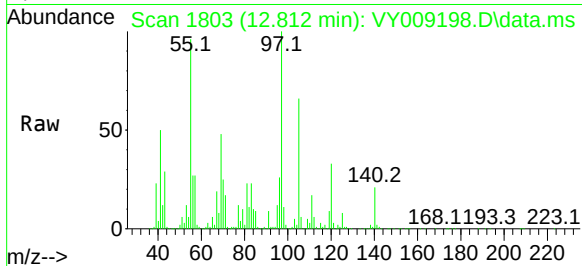




#80
1,3,5-Trimethylbenzene
Concen: 99.046 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. 0.006 min
Lab File: VY009198.D
Acq: 16 Jun 2022 13:10

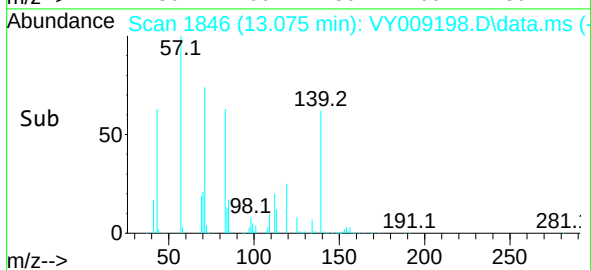
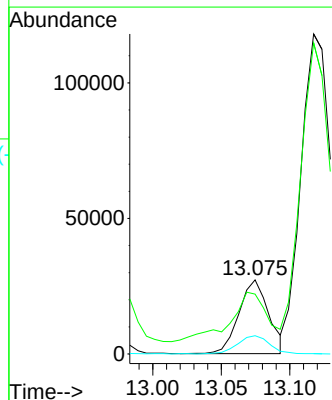
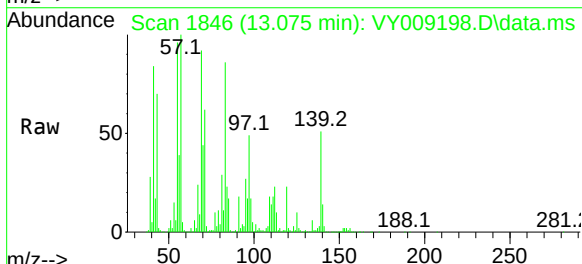
Instrument :
MSVOA_Y
ClientSampleId :
WC-14A-1A-5

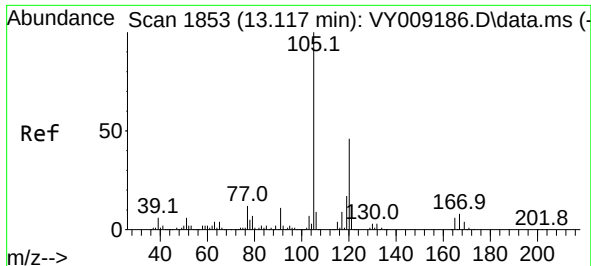
Tgt Ion:105 Resp: 599036
Ion Ratio Lower Upper
105 100
120 49.6 24.4 73.4



#83
tert-Butylbenzene
Concen: 7.714 ug/l
RT: 13.075 min Scan# 1846
Delta R.T. 0.006 min
Lab File: VY009198.D
Acq: 16 Jun 2022 13:10

Tgt Ion:119 Resp: 41020
Ion Ratio Lower Upper
119 100
91 83.5 34.8 104.4
134 27.2 13.3 39.9

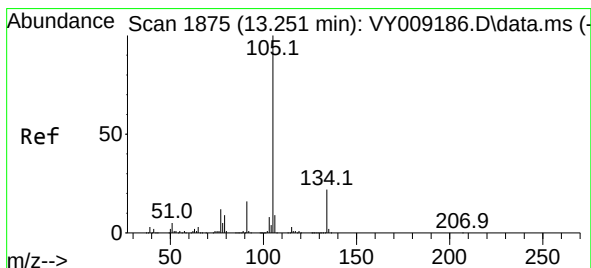
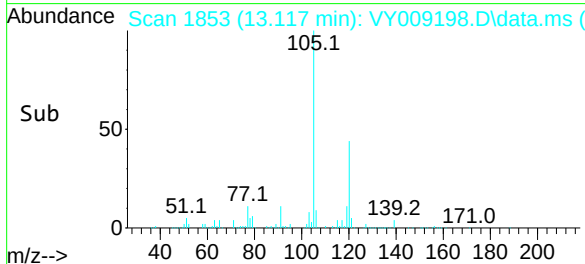
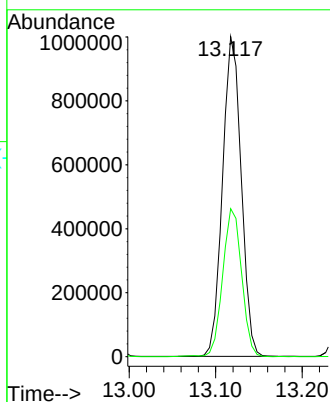
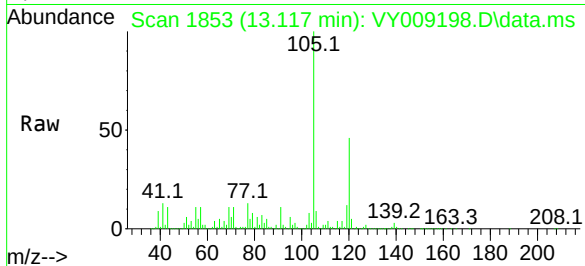




#84
1,2,4-Trimethylbenzene
Concen: 252.639 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VY009198.D
Acq: 16 Jun 2022 13:10

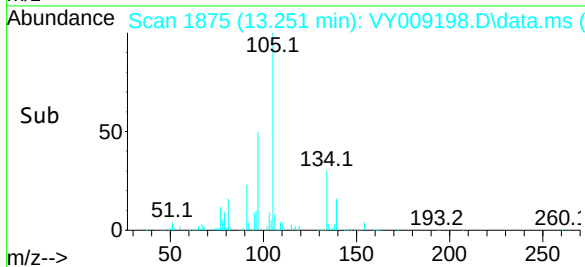
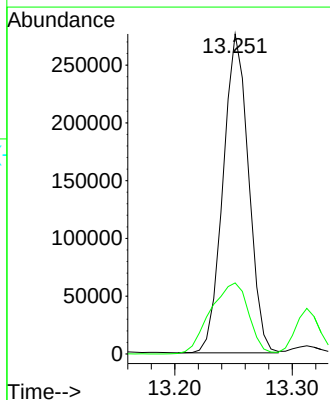
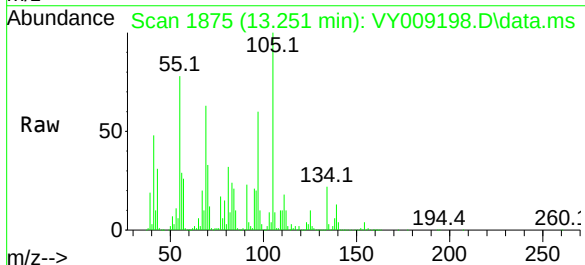
Instrument :
MSVOA_Y
ClientSampleId :
WC-14A-1A-5

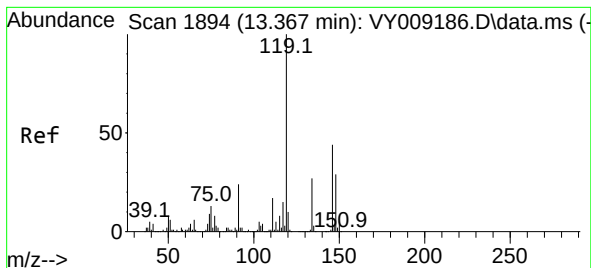
Tgt Ion:105 Resp: 1499772
Ion Ratio Lower Upper
105 100
120 46.9 22.3 66.9



#85
sec-Butylbenzene
Concen: 52.782 ug/l
RT: 13.251 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VY009198.D
Acq: 16 Jun 2022 13:10

Tgt Ion:105 Resp: 415603
Ion Ratio Lower Upper
105 100
134 33.5 10.2 30.4#





#86

p-Isopropyltoluene

Concen: 29.165 ug/l

RT: 13.367 min Scan# 119

Delta R.T. 0.000 min

Lab File: VY009198.D

Acq: 16 Jun 2022 13:10

Instrument :

MSVOA_Y

ClientSampleId :

WC-14A-1A-5

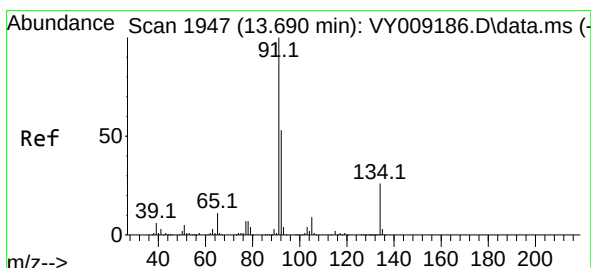
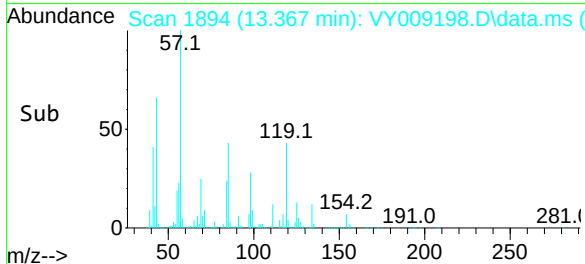
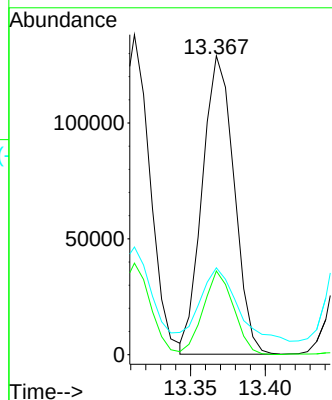
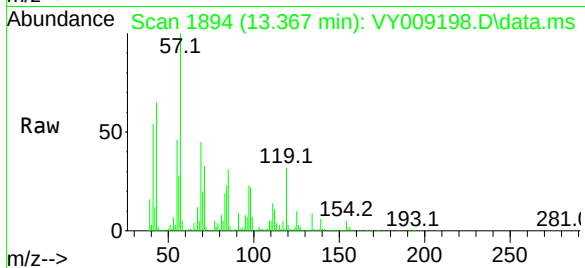
Tgt Ion:119 Resp: 190569

Ion Ratio Lower Upper

119 100

134 26.6 13.2 39.5

91 28.7 12.4 37.2



#89

n-Butylbenzene

Concen: 59.442 ug/l

RT: 13.696 min Scan# 1948

Delta R.T. 0.006 min

Lab File: VY009198.D

Acq: 16 Jun 2022 13:10

Tgt Ion: 91 Resp: 367284

Ion Ratio Lower Upper

91 100

92 40.6 26.3 78.9

134 0.0 13.0 38.9#

