

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061622\
 Data File : VY009196.D
 Acq On : 16 Jun 2022 12:23
 Operator : KP/MD
 Sample : N3334-09
 Misc : 5.08g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-14A-1A-8

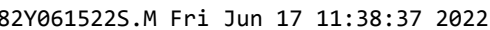
Quant Time: Jun 16 15:41:33 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y061522S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 16 02:54:06 2022
 Response via : Initial Calibration

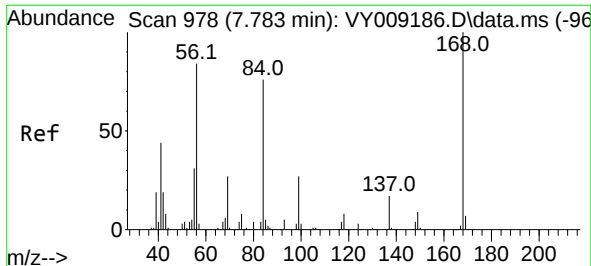
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.789	168	7634	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	8.691	114	12896	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	10287	50.000	ug/l	# 0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	5804	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	4075	51.101	ug/l	0.00
Spiked Amount	50.000	Range 50 - 163	Recovery	= 102.200%		
35) Dibromofluoromethane	7.715	113	1782	22.040	ug/l	0.00
Spiked Amount	50.000	Range 54 - 147	Recovery	= 44.080%#		
50) Toluene-d8	10.178	98	18135	58.922	ug/l	0.00
Spiked Amount	50.000	Range 49 - 140	Recovery	= 117.840%		
62) 4-Bromofluorobenzene	12.477	95	10872	99.405	ug/l	0.00
Spiked Amount	50.000	Range 25 - 144	Recovery	= 198.800%#		
Target Compounds						
					Qvalue	
31) Cyclohexane	7.770	56	4439	31.075	ug/l	# 83
39) Methylcyclohexane	9.179	83	26719	178.193	ug/l	96
52) Toluene	10.245	92	1077	4.644	ug/l	# 67
67) Ethyl Benzene	11.593	91	18905	48.617	ug/l	95
68) m/p-Xylenes	11.703	106	15309	99.860	ug/l	100
69) o-Xylene	12.026	106	33355	229.632	ug/l	95
73) Isopropylbenzene	12.324	105	28984	66.351	ug/l	98
78) n-propylbenzene	12.672	91	49076	92.851	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	127969	350.491	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	200224	558.704	ug/l	96
85) sec-Butylbenzene	13.251	105	33172	69.786	ug/l	# 74
86) p-Isopropyltoluene	13.367	119	33225	84.231	ug/l	95
89) n-Butylbenzene	13.696	91	15750	42.225	ug/l	# 72

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

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Response via : Initial Calibration

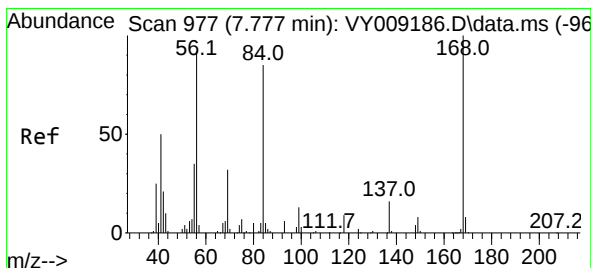
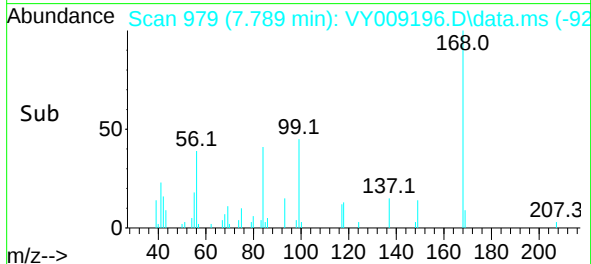
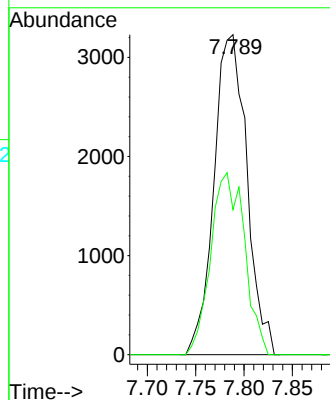
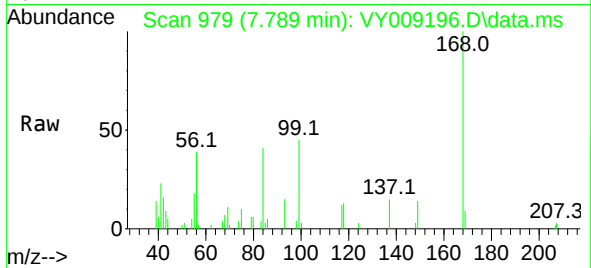




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY009196.D
Acq: 16 Jun 2022 12:23

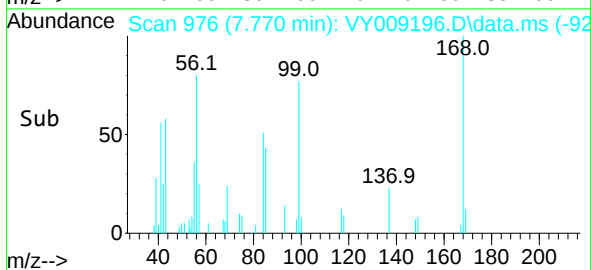
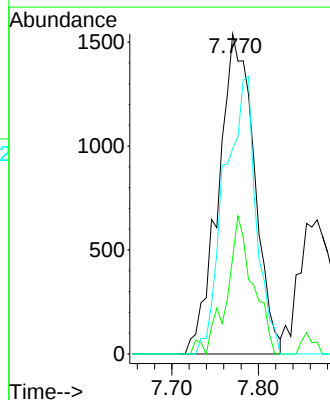
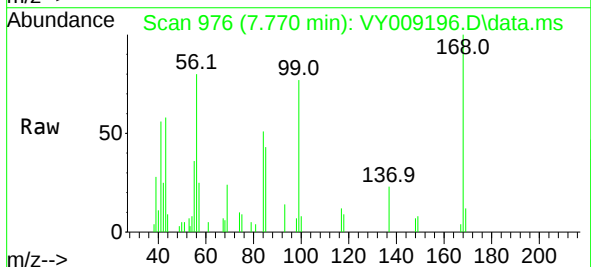
Instrument :
MSVOA_Y
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WC-14A-1A-8

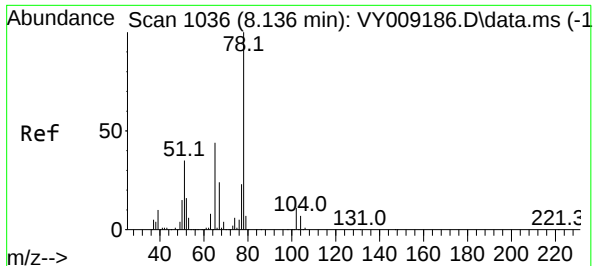
Tgt Ion:168 Resp: 7634
Ion Ratio Lower Upper
168 100
99 45.3 46.9 70.3#



#31
Cyclohexane
Concen: 31.075 ug/l
RT: 7.770 min Scan# 976
Delta R.T. -0.006 min
Lab File: VY009196.D
Acq: 16 Jun 2022 12:23

Tgt Ion: 56 Resp: 4439
Ion Ratio Lower Upper
56 100
69 30.3 26.7 40.1
84 64.2 67.2 100.8#





#33

1,2-Dichloroethane-d4

Concen: 51.101 ug/l

RT: 8.136 min Scan# 110

Delta R.T. -0.000 min

Lab File: VY009196.D

Acq: 16 Jun 2022 12:23

Instrument :

MSVOA_Y

ClientSampleId :

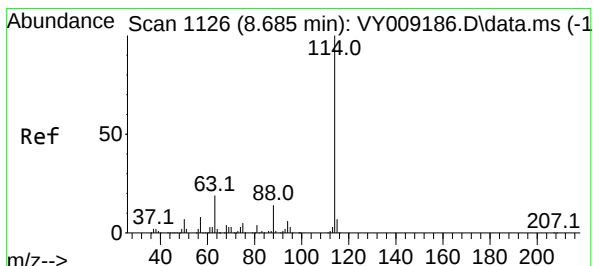
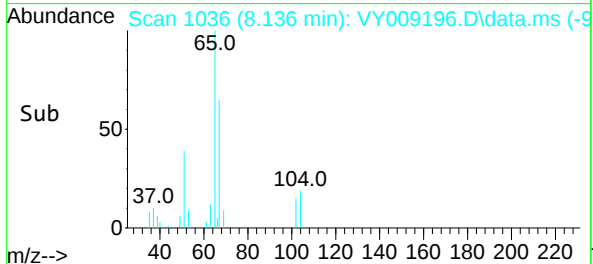
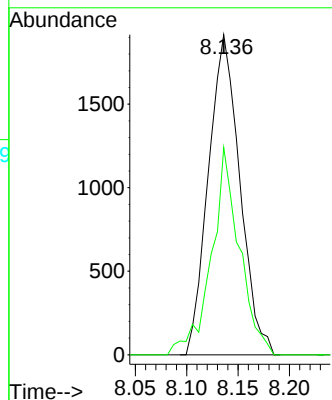
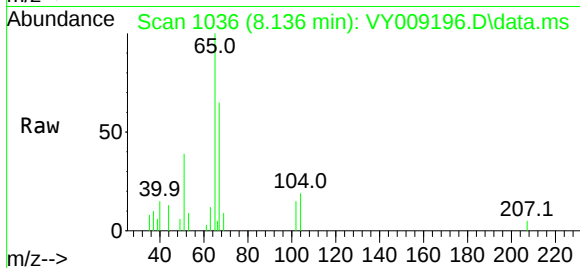
WC-14A-1A-8

Tgt Ion: 65 Resp: 4075

Ion Ratio Lower Upper

65 100

67 57.7 0.0 99.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY009196.D

Acq: 16 Jun 2022 12:23

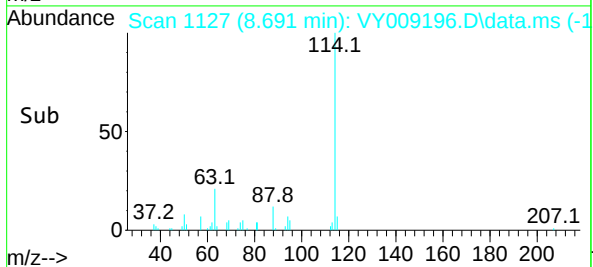
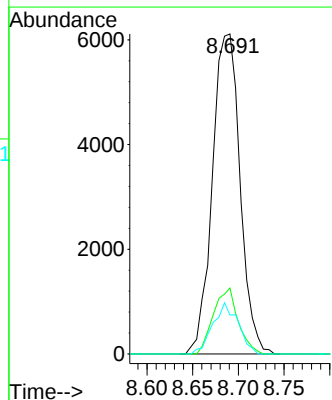
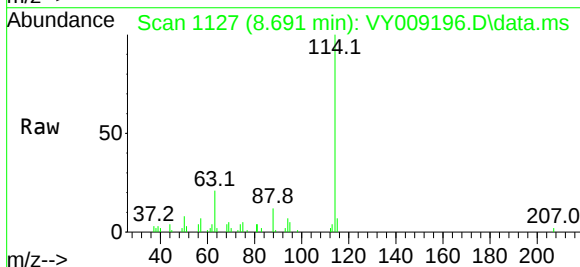
Tgt Ion: 114 Resp: 12896

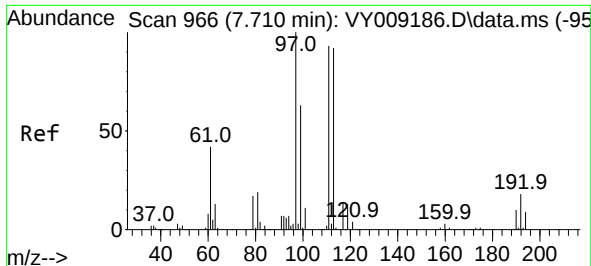
Ion Ratio Lower Upper

114 100

63 20.6 0.0 43.2

88 12.2 0.0 31.8

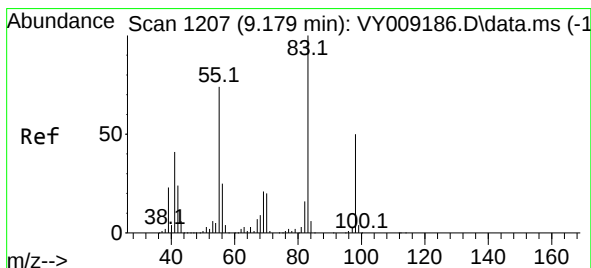
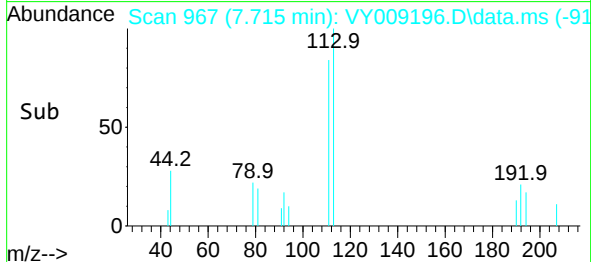
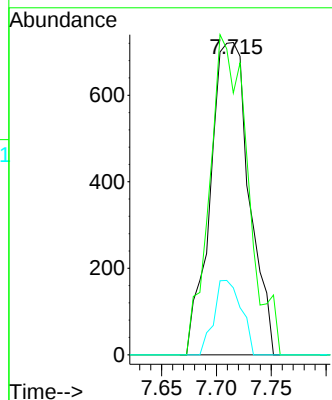
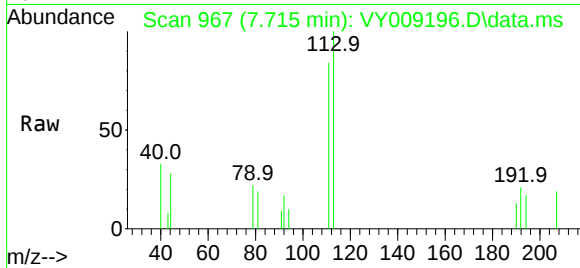




#35
Dibromofluoromethane
Concen: 22.040 ug/l
RT: 7.715 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY009196.D
Acq: 16 Jun 2022 12:23

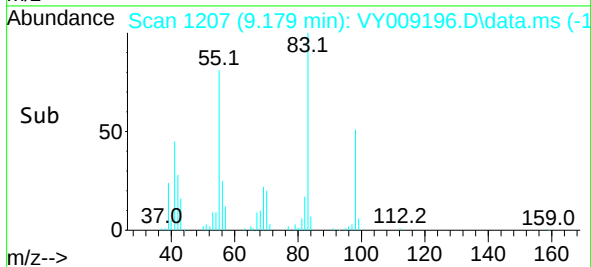
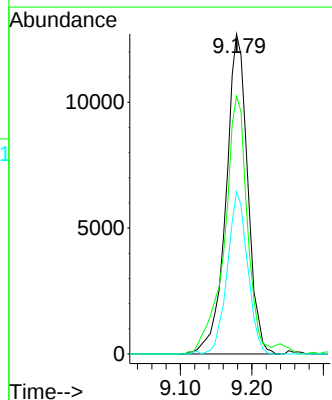
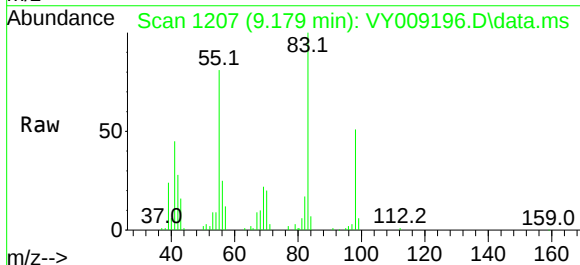
Instrument :
MSVOA_Y
ClientSampleId :
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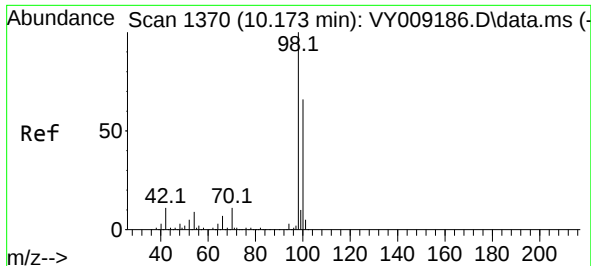
Tgt Ion:113 Resp: 1782
Ion Ratio Lower Upper
113 100
111 100.3 82.6 124.0
192 16.7 17.6 26.4#



#39
Methylcyclohexane
Concen: 178.193 ug/l
RT: 9.179 min Scan# 1207
Delta R.T. -0.000 min
Lab File: VY009196.D
Acq: 16 Jun 2022 12:23

Tgt Ion: 83 Resp: 26719
Ion Ratio Lower Upper
83 100
55 80.6 66.5 99.7
98 50.8 37.9 56.9

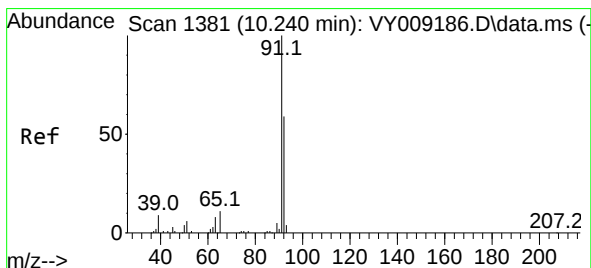
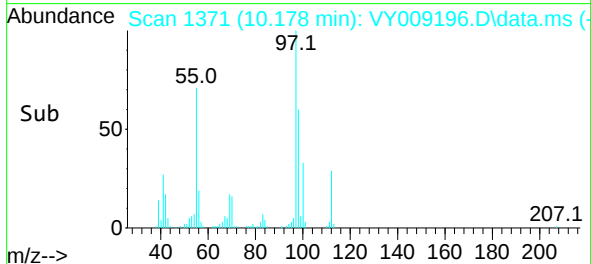
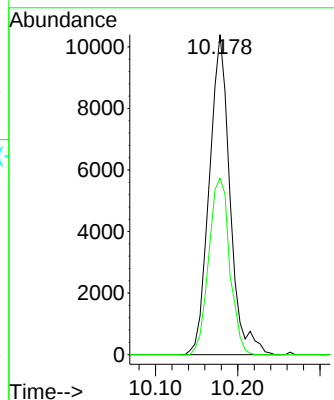
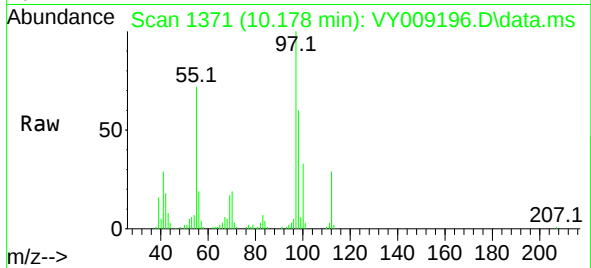




#50
Toluene-d8
Concen: 58.922 ug/l
RT: 10.178 min Scan# 1370
Delta R.T. 0.006 min
Lab File: VY009196.D
Acq: 16 Jun 2022 12:23

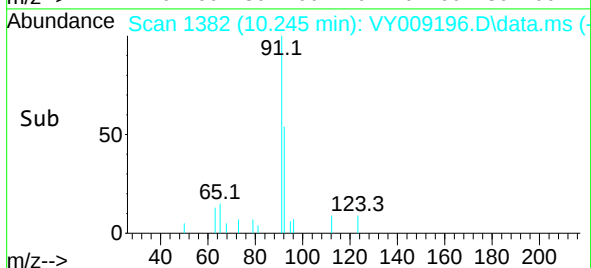
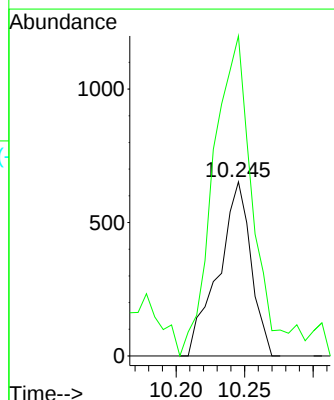
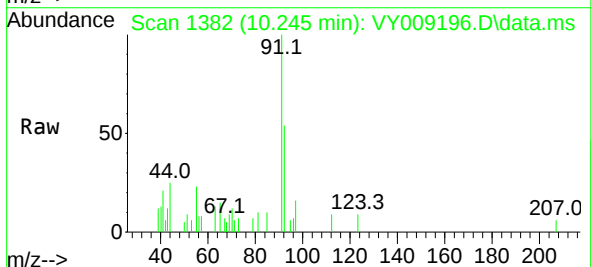
Instrument :
MSVOA_Y
ClientSampleId :
WC-14A-1A-8

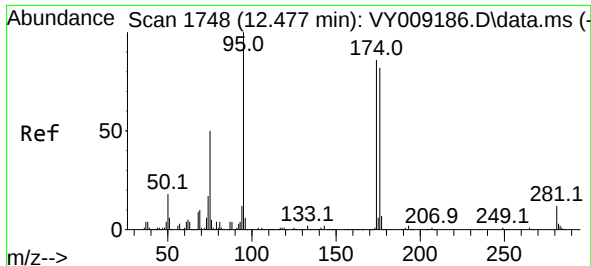
Tgt Ion: 98 Resp: 18135
Ion Ratio Lower Upper
98 100
100 55.7 50.2 75.2



#52
Toluene
Concen: 4.644 ug/l
RT: 10.245 min Scan# 1382
Delta R.T. 0.006 min
Lab File: VY009196.D
Acq: 16 Jun 2022 12:23

Tgt Ion: 92 Resp: 1077
Ion Ratio Lower Upper
92 100
91 224.9 142.6 213.8#





#62

4-Bromofluorobenzene

Concen: 99.405 ug/l

RT: 12.477 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY009196.D

Acq: 16 Jun 2022 12:23

Instrument :

MSVOA_Y

ClientSampleId :

WC-14A-1A-8

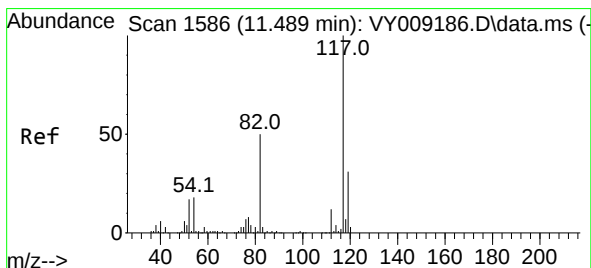
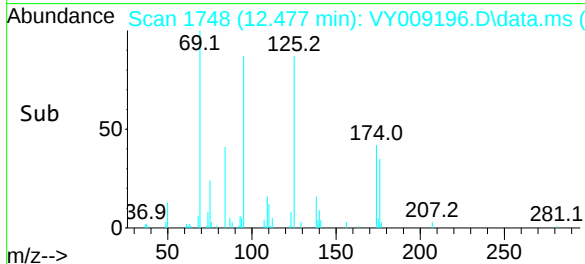
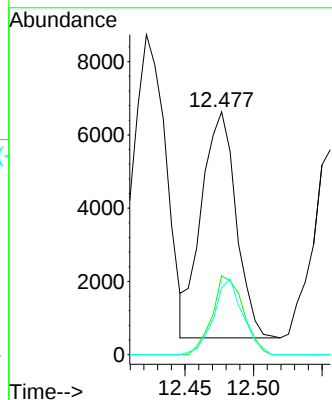
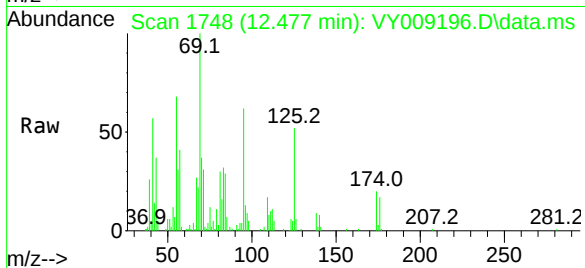
Tgt Ion: 95 Resp: 10872

Ion Ratio Lower Upper

95 100

174 31.1 0.0 177.0

176 28.3 0.0 175.8



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 1586

Delta R.T. -0.000 min

Lab File: VY009196.D

Acq: 16 Jun 2022 12:23

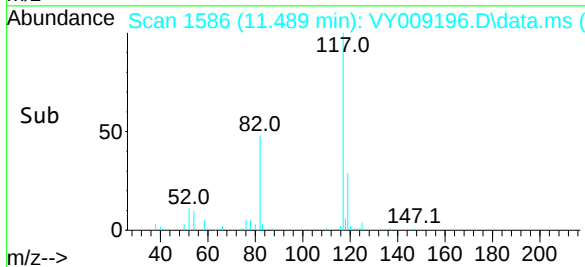
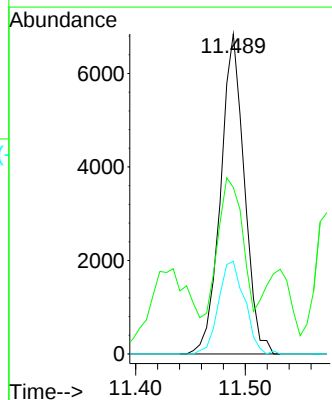
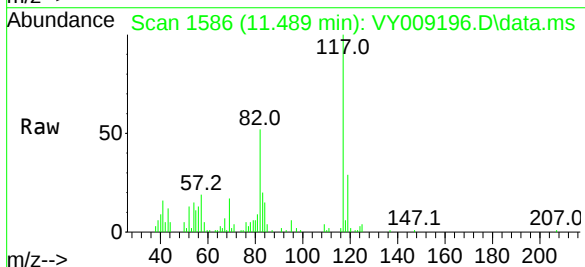
Tgt Ion: 117 Resp: 10287

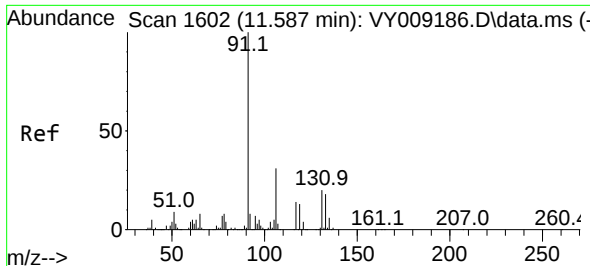
Ion Ratio Lower Upper

117 100

82 32.3 43.0 64.4#

119 29.0 25.4 38.0

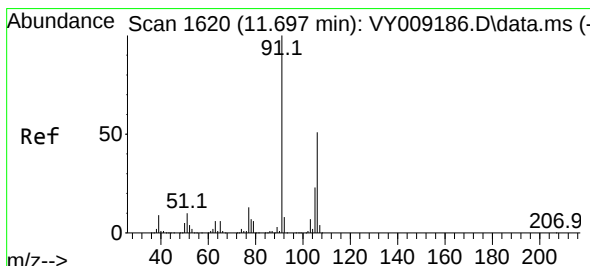
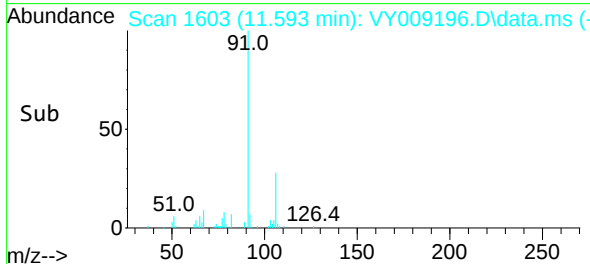
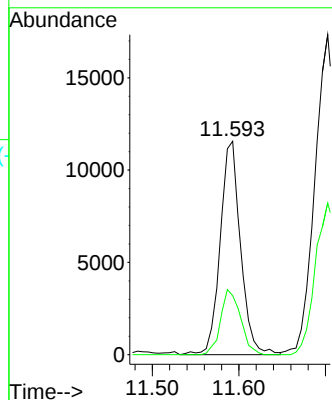
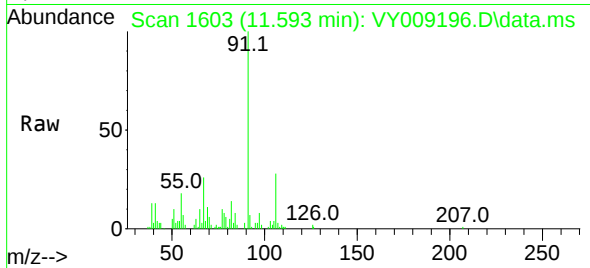




#67
Ethyl Benzene
Concen: 48.617 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. 0.006 min
Lab File: VY009196.D
Acq: 16 Jun 2022 12:23

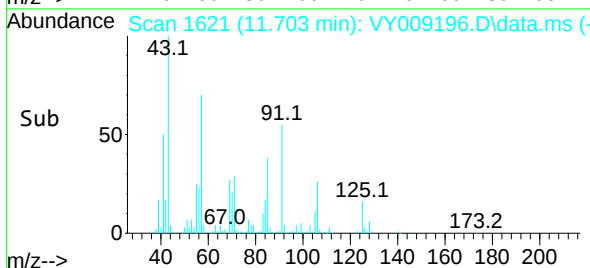
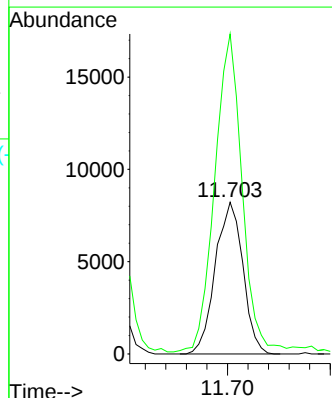
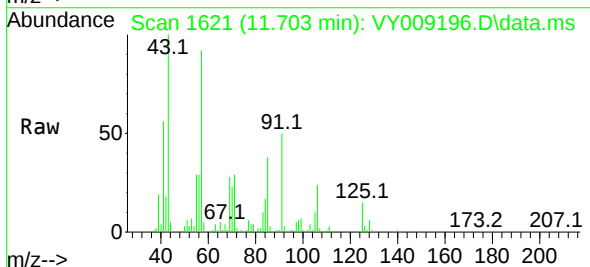
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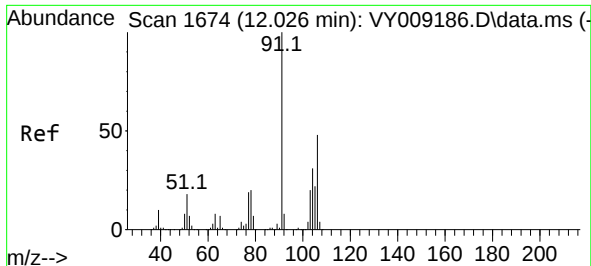
Tgt Ion: 91 Resp: 18905
Ion Ratio Lower Upper
91 100
106 27.6 24.5 36.7



#68
m/p-Xylenes
Concen: 99.860 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. 0.006 min
Lab File: VY009196.D
Acq: 16 Jun 2022 12:23

Tgt Ion: 106 Resp: 15309
Ion Ratio Lower Upper
106 100
91 207.5 166.6 249.8

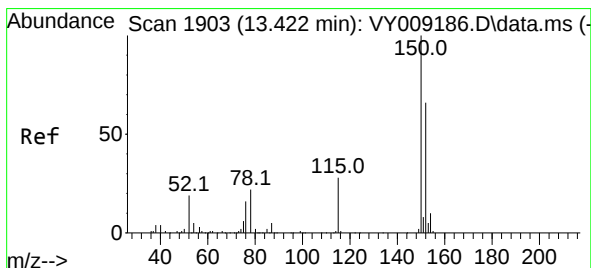
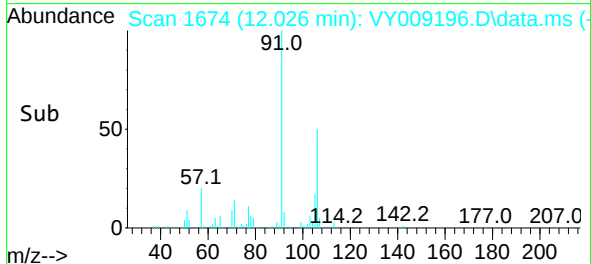
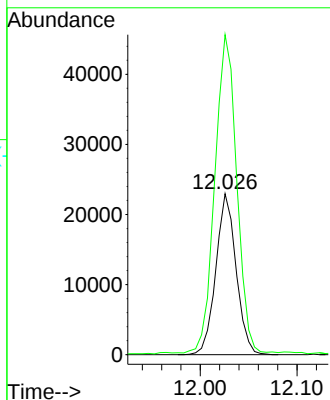
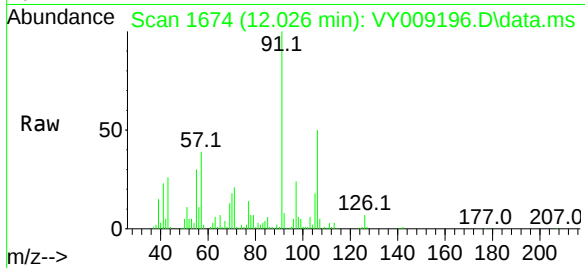




#69
o-Xylene
Concen: 229.632 ug/l
RT: 12.026 min Scan# 1
Delta R.T. -0.000 min
Lab File: VY009196.D
Acq: 16 Jun 2022 12:23

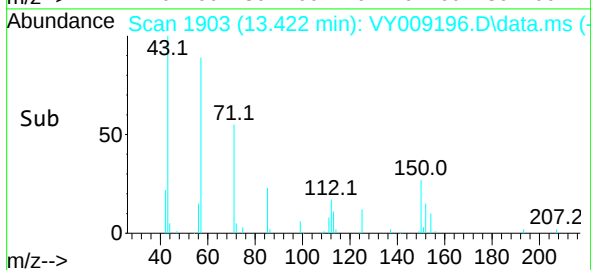
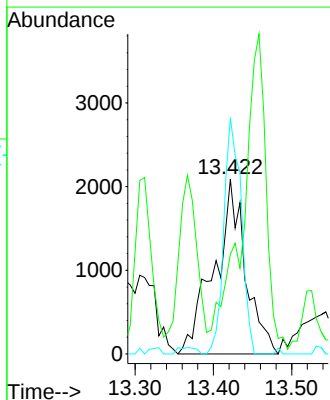
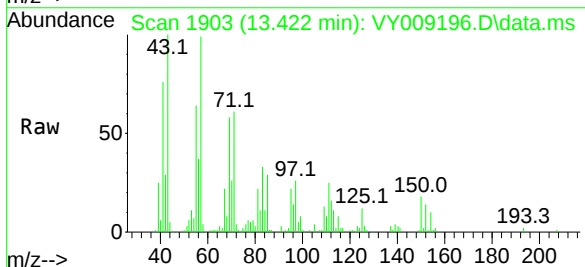
Instrument :
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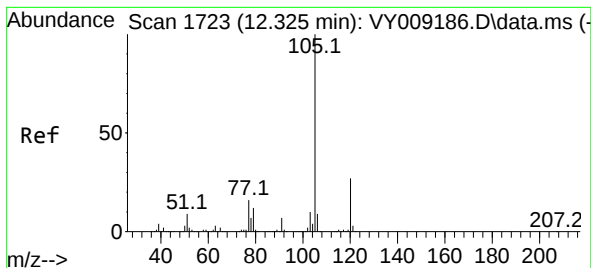
Tgt Ion:106 Resp: 33355
Ion Ratio Lower Upper
106 100
91 212.7 110.3 331.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.000 min
Lab File: VY009196.D
Acq: 16 Jun 2022 12:23

Tgt Ion:152 Resp: 5804
Ion Ratio Lower Upper
152 100
115 0.0 28.2 84.7#
150 74.7 0.0 347.6





#73

Isopropylbenzene

Concen: 66.351 ug/l

RT: 12.324 min Scan# 1723

Delta R.T. -0.000 min

Lab File: VY009196.D

Acq: 16 Jun 2022 12:23

Instrument :

MSVOA_Y

ClientSampleId :

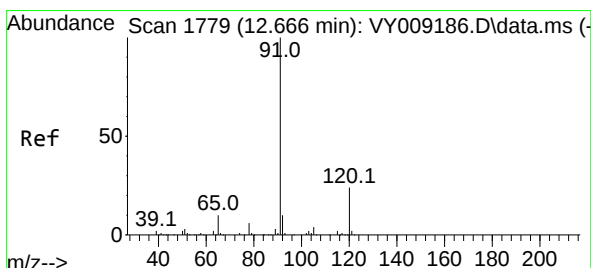
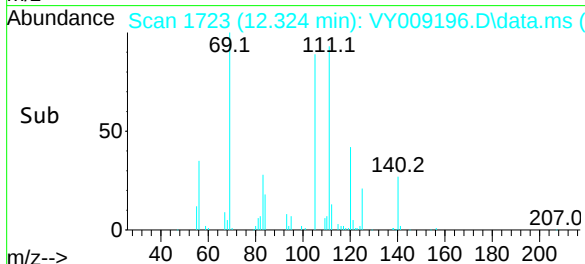
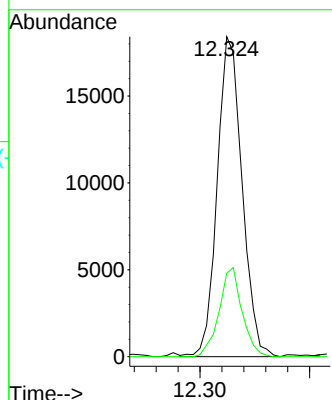
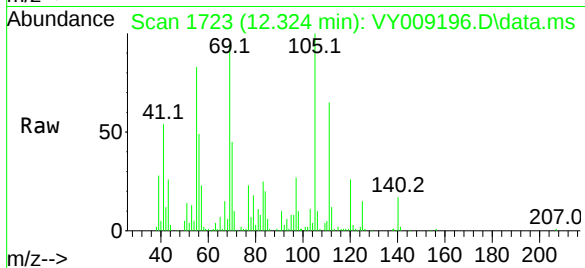
WC-14A-1A-8

Tgt Ion:105 Resp: 28984

Ion Ratio Lower Upper

105 100

120 25.8 13.4 40.2



#78

n-propylbenzene

Concen: 92.851 ug/l

RT: 12.672 min Scan# 1780

Delta R.T. 0.006 min

Lab File: VY009196.D

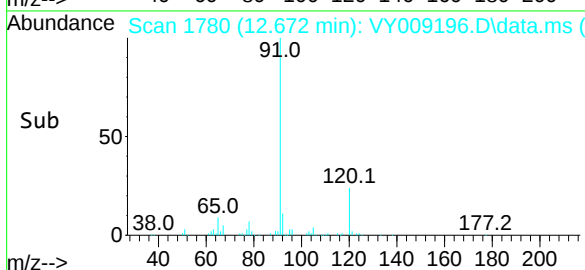
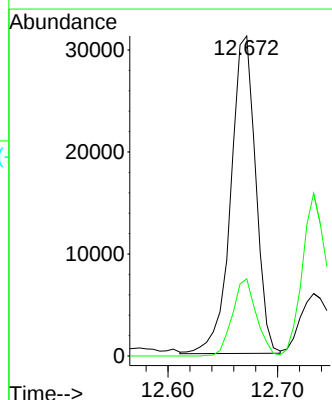
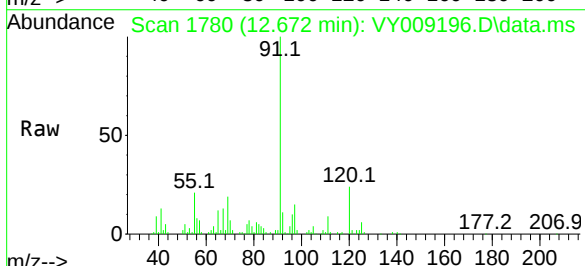
Acq: 16 Jun 2022 12:23

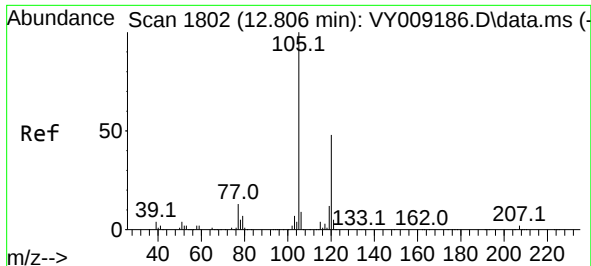
Tgt Ion: 91 Resp: 49076

Ion Ratio Lower Upper

91 100

120 23.4 11.3 33.9

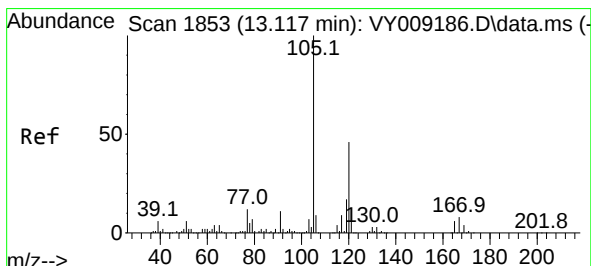
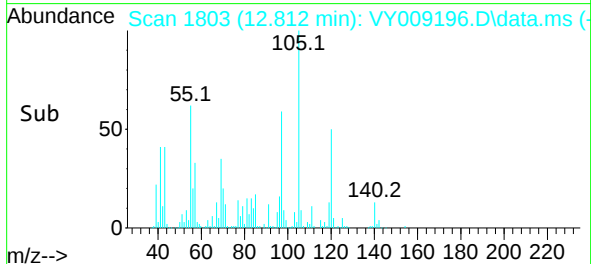
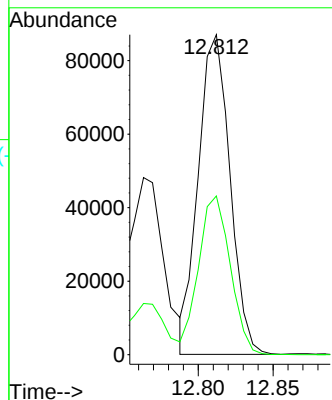
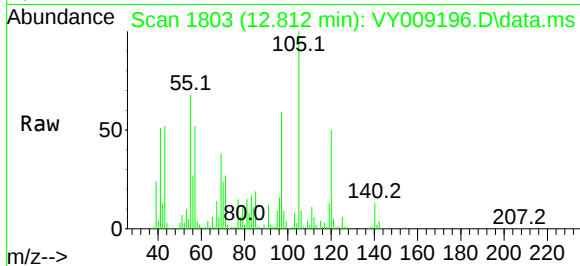




#80
1,3,5-Trimethylbenzene
Concen: 350.491 ug/l
RT: 12.812 min Scan# 1802
Delta R.T. 0.006 min
Lab File: VY009196.D
Acq: 16 Jun 2022 12:23

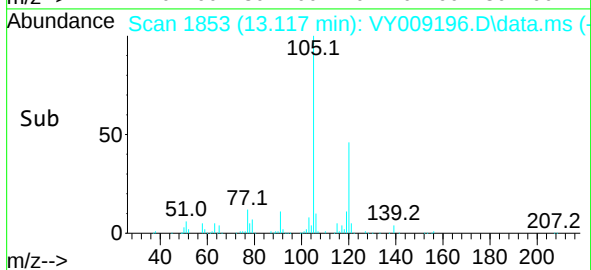
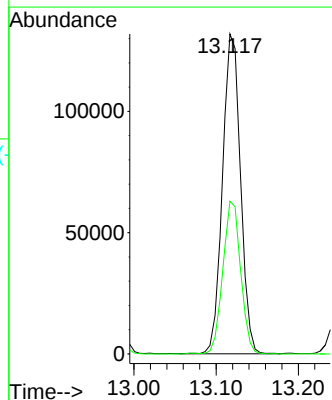
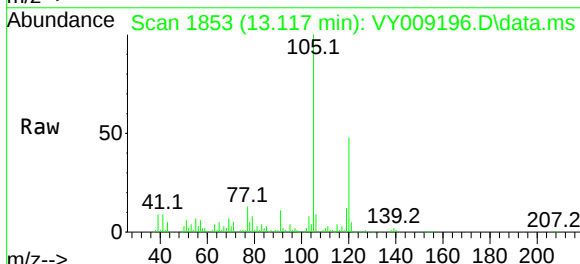
Instrument :
MSVOA_Y
ClientSampleId :
WC-14A-1A-8

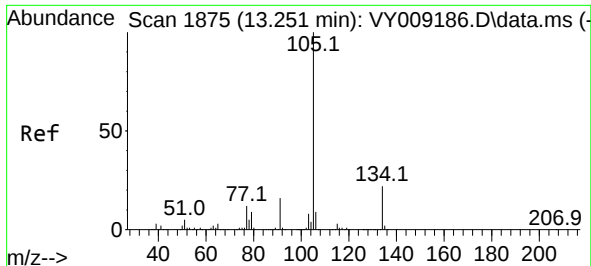
Tgt Ion:105 Resp: 127969
Ion Ratio Lower Upper
105 100
120 49.9 24.4 73.4



#84
1,2,4-Trimethylbenzene
Concen: 558.704 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. -0.000 min
Lab File: VY009196.D
Acq: 16 Jun 2022 12:23

Tgt Ion:105 Resp: 200224
Ion Ratio Lower Upper
105 100
120 47.4 22.3 66.9

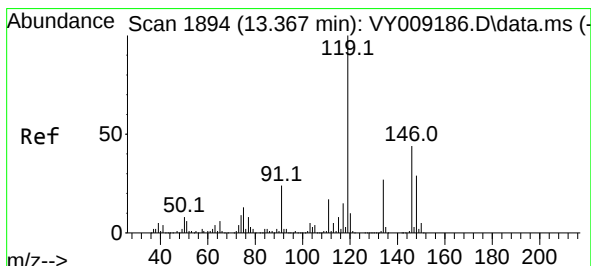
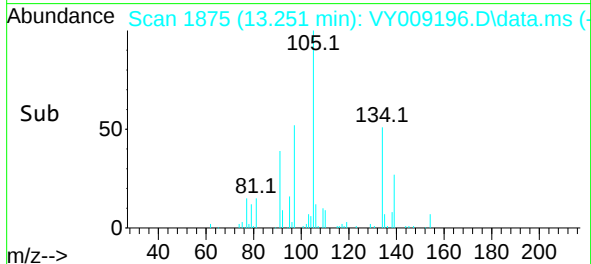
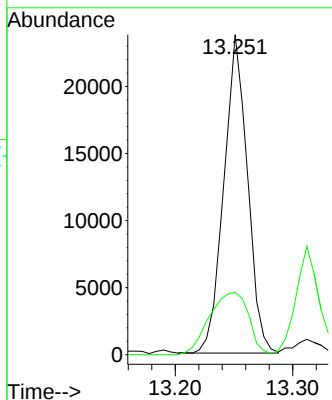
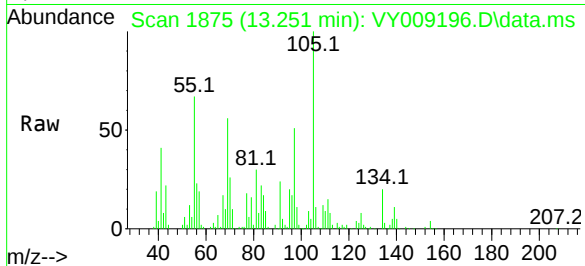




#85
 sec-Butylbenzene
 Concen: 69.786 ug/l
 RT: 13.251 min Scan# 1875
 Delta R.T. -0.000 min
 Lab File: VY009196.D
 Acq: 16 Jun 2022 12:23

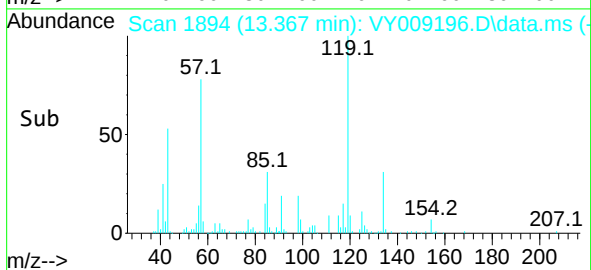
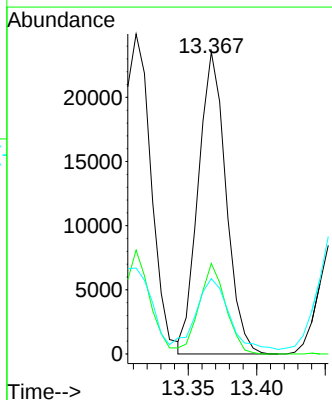
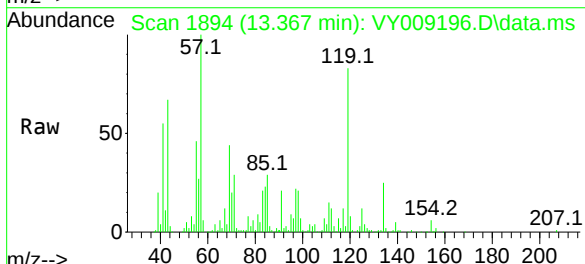
Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-14A-1A-8

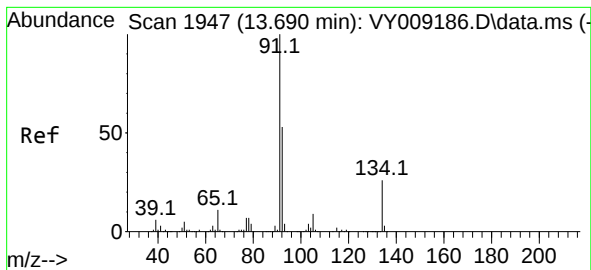
Tgt Ion:105 Resp: 33172
 Ion Ratio Lower Upper
 105 100
 134 32.5 10.2 30.4#



#86
 p-Isopropyltoluene
 Concen: 84.231 ug/l
 RT: 13.367 min Scan# 1894
 Delta R.T. -0.000 min
 Lab File: VY009196.D
 Acq: 16 Jun 2022 12:23

Tgt Ion:119 Resp: 33225
 Ion Ratio Lower Upper
 119 100
 134 29.1 13.2 39.5
 91 27.1 12.4 37.2





#89

n-Butylbenzene

Concen: 42.225 ug/l

RT: 13.696 min Scan# 1947

Delta R.T. 0.006 min

Lab File: VY009196.D

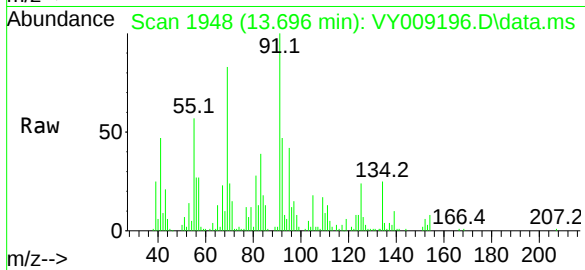
Acq: 16 Jun 2022 12:23

Instrument :

MSVOA_Y

ClientSampleId :

WC-14A-1A-8



Tgt Ion: 91 Resp: 15750

Ion Ratio Lower Upper

91 100

92 64.3 26.3 78.9

134 0.0 13.0 38.9#

