

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061622\
 Data File : VY009197.D
 Acq On : 16 Jun 2022 12:46
 Operator : KP/MD
 Sample : N3334-15
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-14A-1A-11

Quant Time: Jun 16 15:41:45 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)

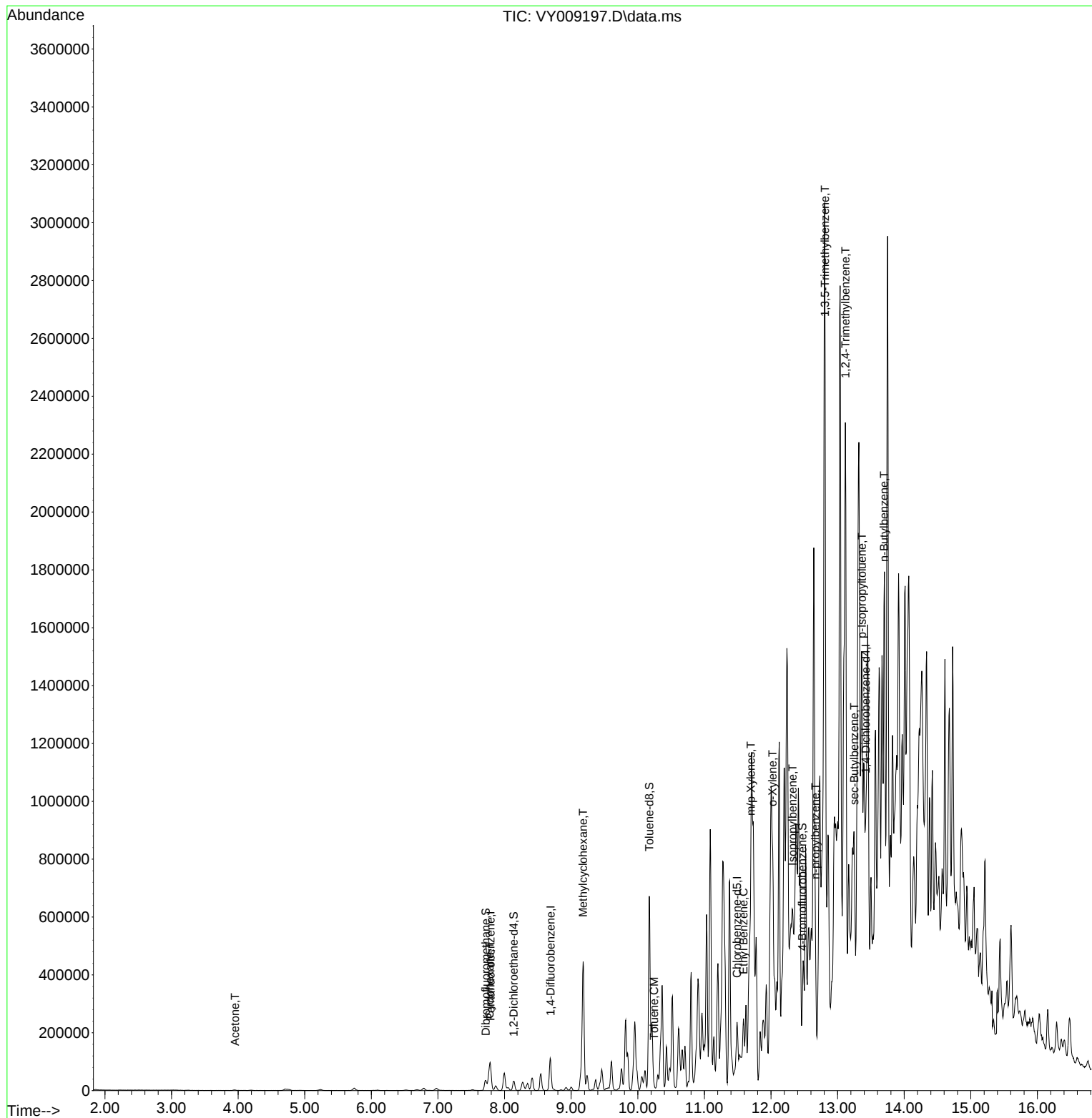
Internal Standards						
1) Pentafluorobenzene	7.789	168	53516	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	87644	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	62361	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	24299	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	24714	44.209	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	88.420%
35) Dibromofluoromethane	7.716	113	25578	46.548	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	93.100%
50) Toluene-d8	10.173	98	124514	59.527	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	119.060%
62) 4-Bromofluorobenzene	12.471	95	46829	63.001	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	126.000%
Target Compounds						
					Qvalue	
16) Acetone	3.954	43	3617	25.686	ug/l #	85
31) Cyclohexane	7.777	56	18434	18.409	ug/l	98
39) Methylcyclohexane	9.179	83	188001	184.486	ug/l	92
52) Toluene	10.246	92	6399	4.060	ug/l	96
67) Ethyl Benzene	11.587	91	101004	42.848	ug/l	99
68) m/p-Xylenes	11.697	106	90070	96.917	ug/l	98
69) o-Xylene	12.026	106	118918	135.050	ug/l	98
73) Isopropylbenzene	12.325	105	88859	48.588	ug/l	98
78) n-propylbenzene	12.666	91	171259	77.394	ug/l	98
80) 1,3,5-Trimethylbenzene	12.813	105	331717	217.010	ug/l	99
84) 1,2,4-Trimethylbenzene	13.117	105	794187	529.331	ug/l	96
85) sec-Butylbenzene	13.251	105	101051	50.778	ug/l #	71
86) p-Isopropyltoluene	13.367	119	151722	91.874	ug/l	98
89) n-Butylbenzene	13.697	91	62662	40.126	ug/l #	71

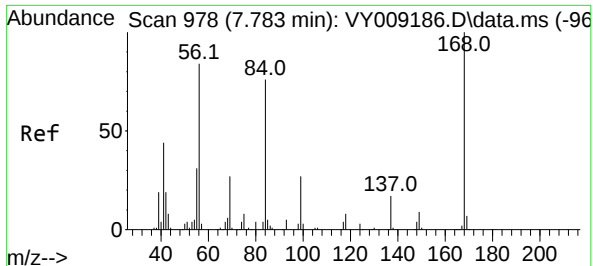
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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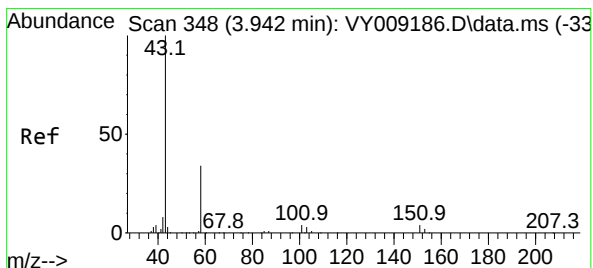
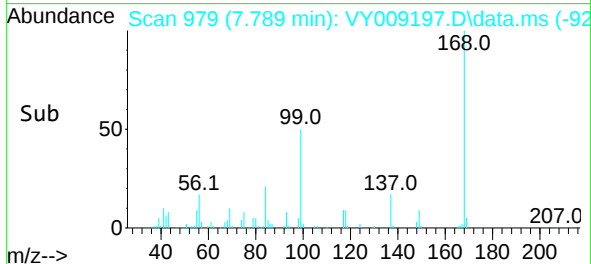
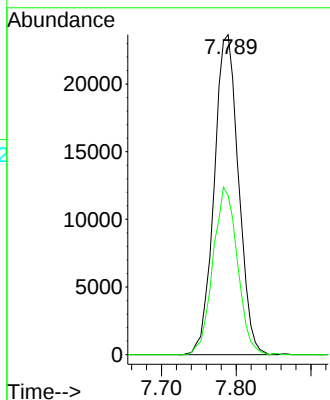
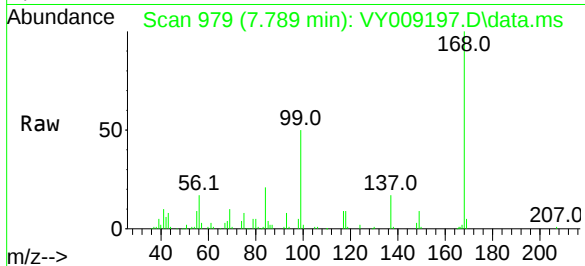




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY009197.D
Acq: 16 Jun 2022 12:46

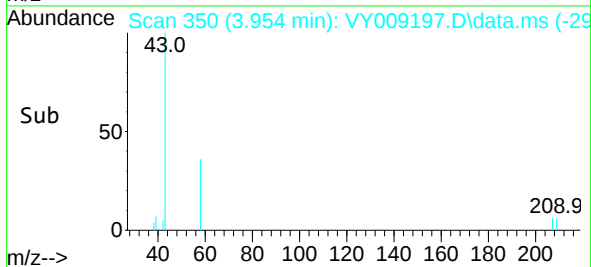
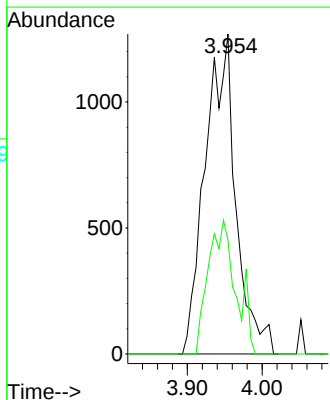
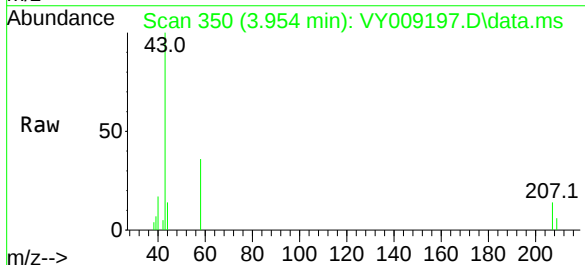
Instrument :
MSVOA_Y
ClientSampleId :
WC-14A-1A-11

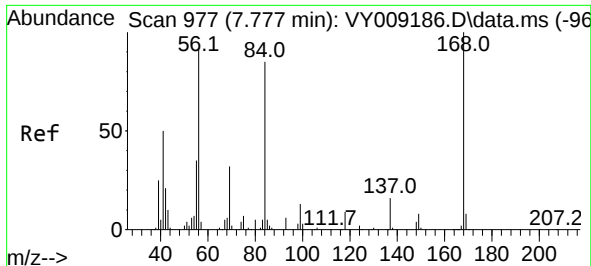
Tgt Ion:168 Resp: 53516
Ion Ratio Lower Upper
168 100
99 49.8 46.9 70.3



#16
Acetone
Concen: 25.686 ug/l
RT: 3.954 min Scan# 350
Delta R.T. 0.012 min
Lab File: VY009197.D
Acq: 16 Jun 2022 12:46

Tgt Ion: 43 Resp: 3617
Ion Ratio Lower Upper
43 100
58 35.6 22.0 33.0#

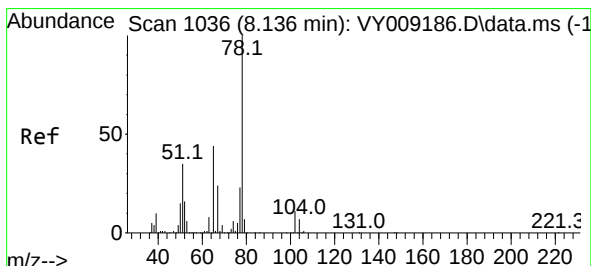
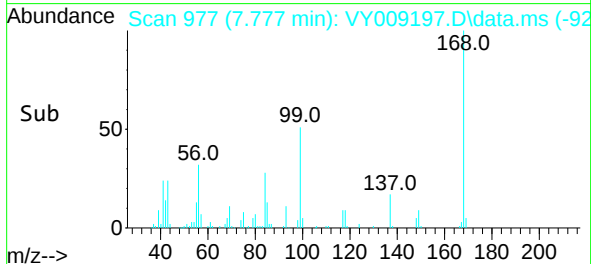
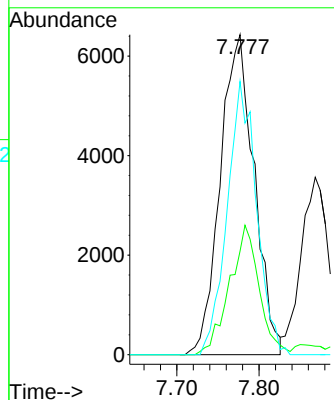
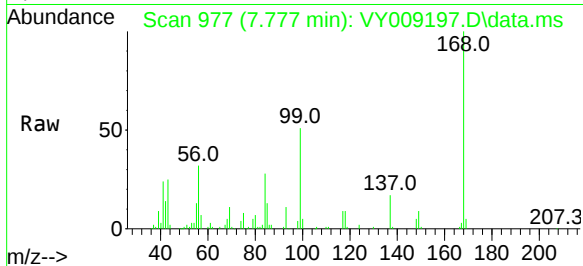




#31
Cyclohexane
Concen: 18.409 ug/l
RT: 7.777 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY009197.D
Acq: 16 Jun 2022 12:46

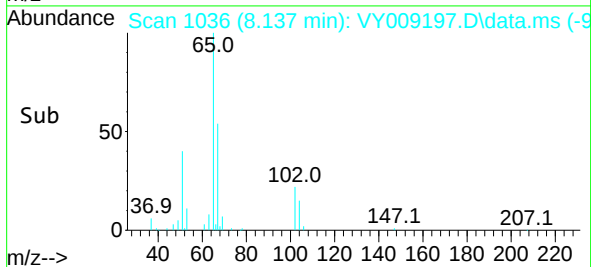
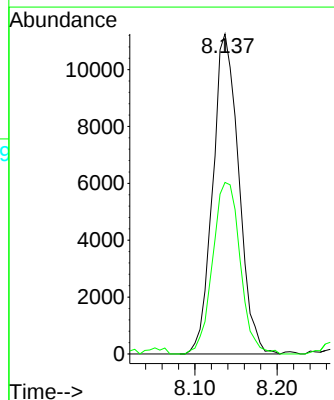
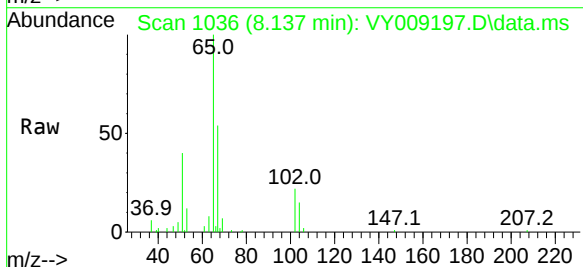
Instrument :
MSVOA_Y
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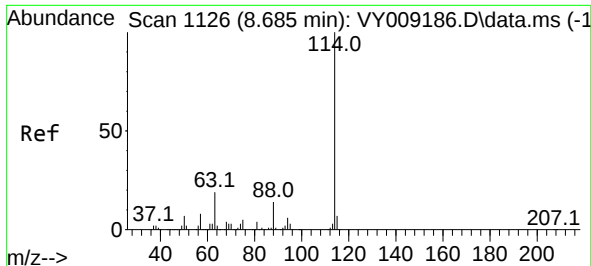
Tgt Ion: 56 Resp: 18434
Ion Ratio Lower Upper
56 100
69 32.4 26.7 40.1
84 85.4 67.2 100.8



#33
1,2-Dichloroethane-d4
Concen: 44.209 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. 0.000 min
Lab File: VY009197.D
Acq: 16 Jun 2022 12:46

Tgt Ion: 65 Resp: 24714
Ion Ratio Lower Upper
65 100
67 56.8 0.0 99.4

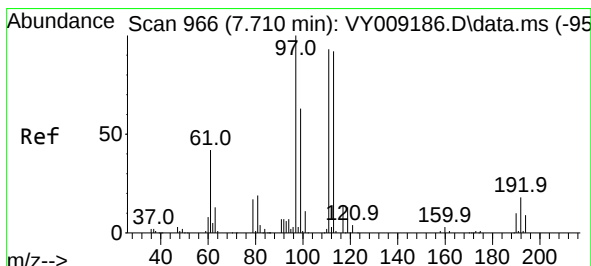
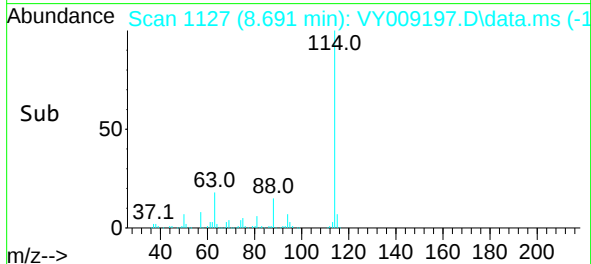
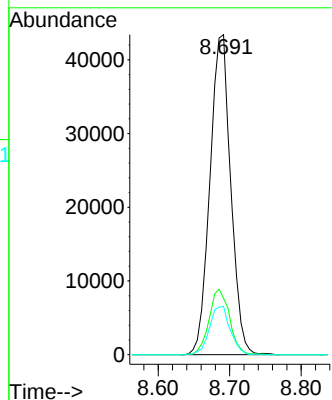
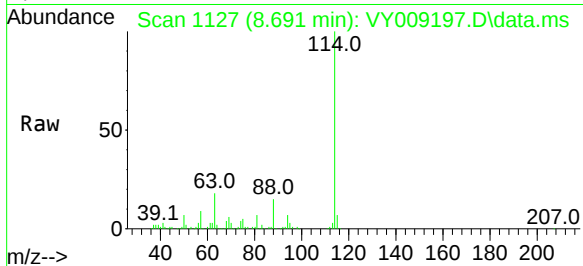




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.691 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VY009197.D
Acq: 16 Jun 2022 12:46

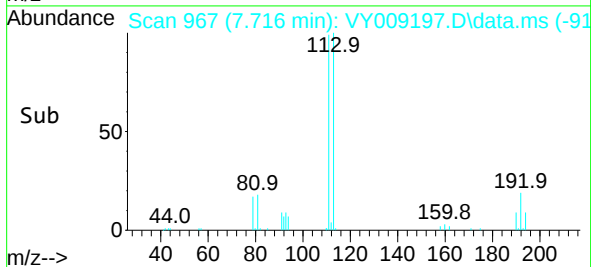
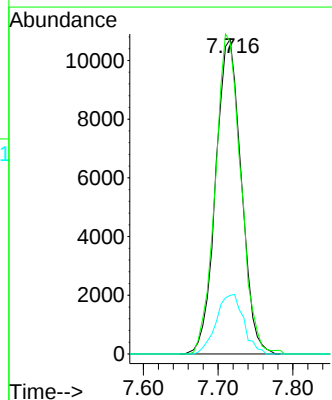
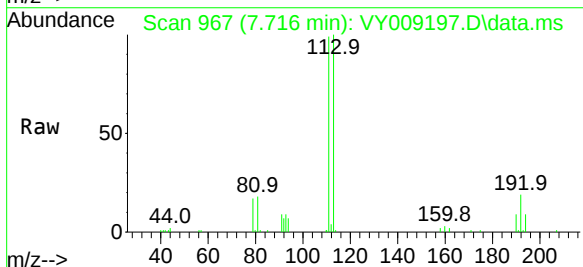
Instrument :
MSVOA_Y
ClientSampleId :
WC-14A-1A-11

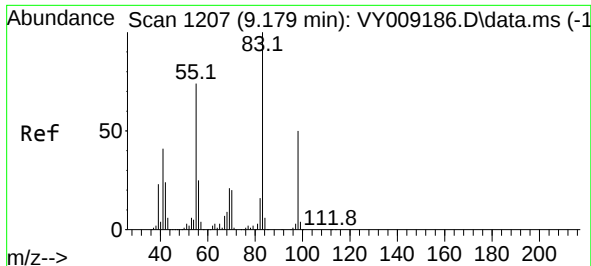
Tgt Ion:114 Resp: 87644
Ion Ratio Lower Upper
114 100
63 17.6 0.0 43.2
88 15.1 0.0 31.8



#35
Dibromofluoromethane
Concen: 46.548 ug/l
RT: 7.716 min Scan# 967
Delta R.T. 0.006 min
Lab File: VY009197.D
Acq: 16 Jun 2022 12:46

Tgt Ion:113 Resp: 25578
Ion Ratio Lower Upper
113 100
111 101.8 82.6 124.0
192 20.2 17.6 26.4





#39

Methylcyclohexane

Concen: 184.486 ug/l

RT: 9.179 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY009197.D

Acq: 16 Jun 2022 12:46

Instrument :

MSVOA_Y

ClientSampleId :

WC-14A-1A-11

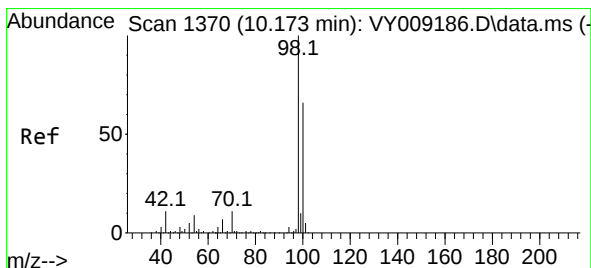
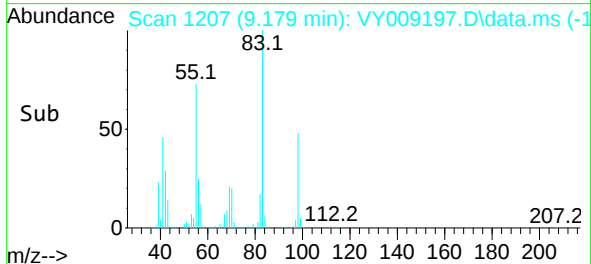
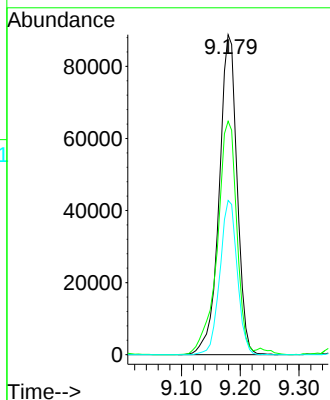
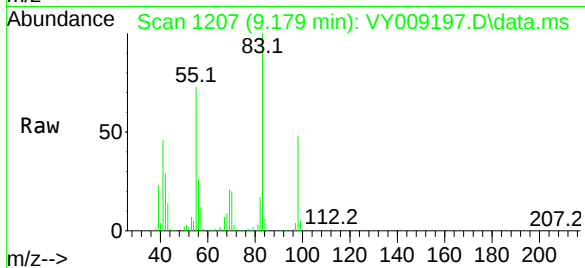
Tgt Ion: 83 Resp: 188001

Ion Ratio Lower Upper

83 100

55 72.9 66.5 99.7

98 48.2 37.9 56.9



#50

Toluene-d8

Concen: 59.527 ug/l

RT: 10.173 min Scan# 1370

Delta R.T. 0.000 min

Lab File: VY009197.D

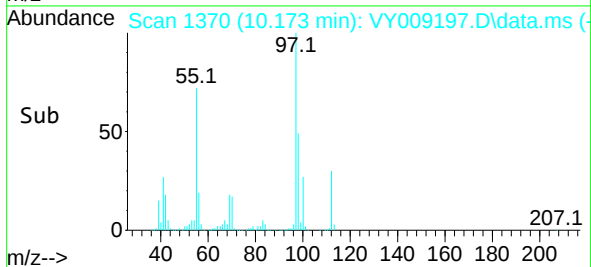
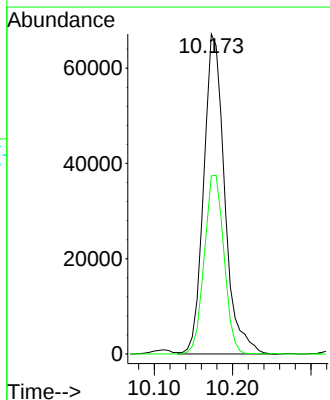
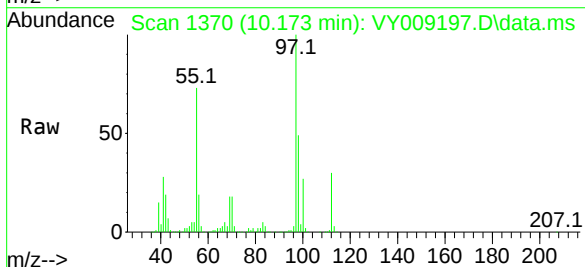
Acq: 16 Jun 2022 12:46

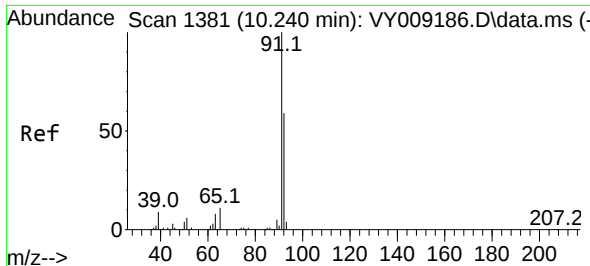
Tgt Ion: 98 Resp: 124514

Ion Ratio Lower Upper

98 100

100 52.6 50.2 75.2

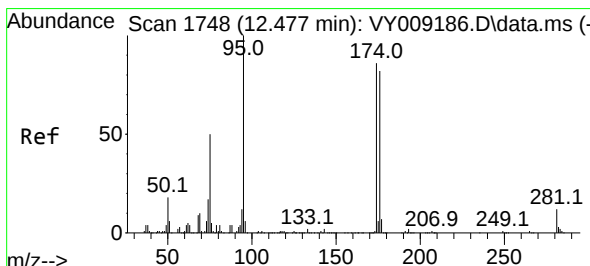
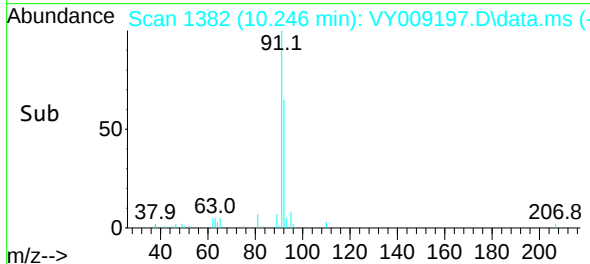
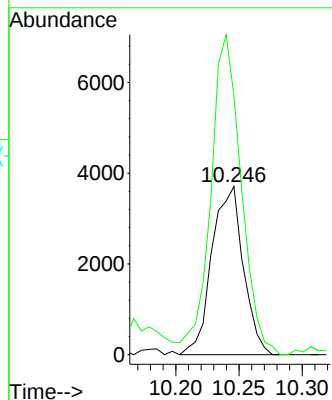
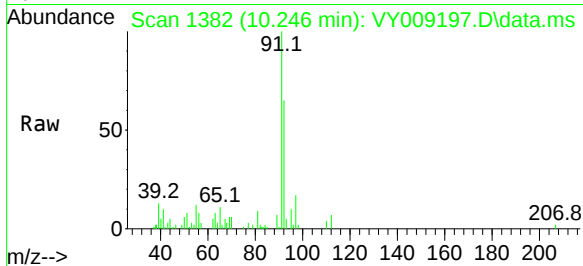




#52
Toluene
Concen: 4.060 ug/l
RT: 10.246 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY009197.D
Acq: 16 Jun 2022 12:46

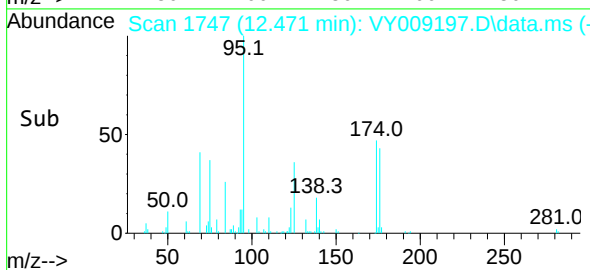
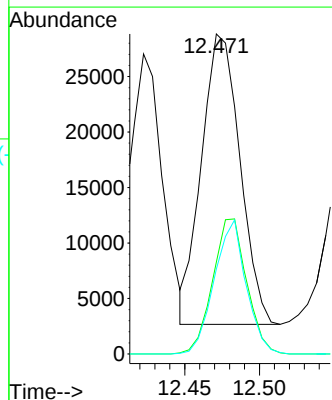
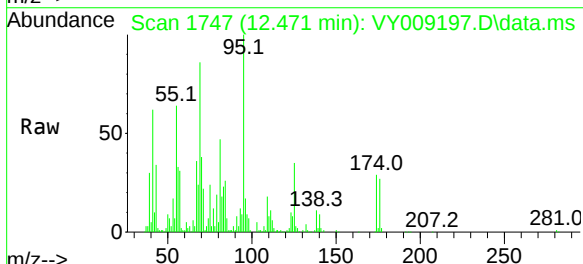
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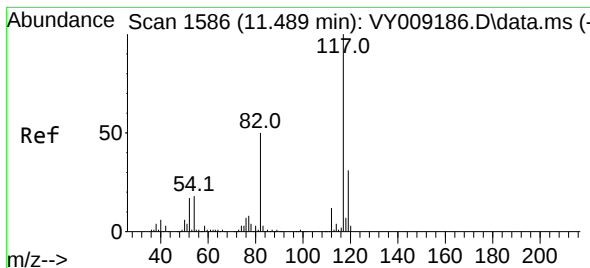
Tgt Ion: 92 Resp: 6399
Ion Ratio Lower Upper
92 100
91 183.7 142.6 213.8



#62
4-Bromofluorobenzene
Concen: 63.001 ug/l
RT: 12.471 min Scan# 1747
Delta R.T. -0.006 min
Lab File: VY009197.D
Acq: 16 Jun 2022 12:46

Tgt Ion: 95 Resp: 46829
Ion Ratio Lower Upper
95 100
174 41.1 0.0 177.0
176 38.0 0.0 175.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 117

Delta R.T. 0.000 min

Lab File: VY009197.D

Acq: 16 Jun 2022 12:46

Instrument :

MSVOA_Y

ClientSampleId :

WC-14A-1A-11

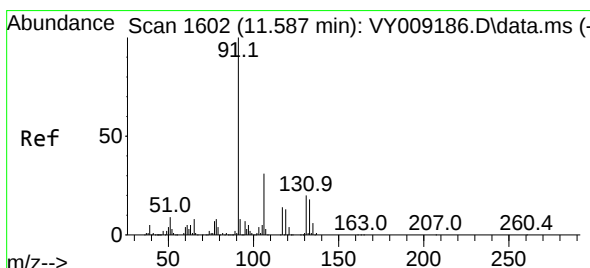
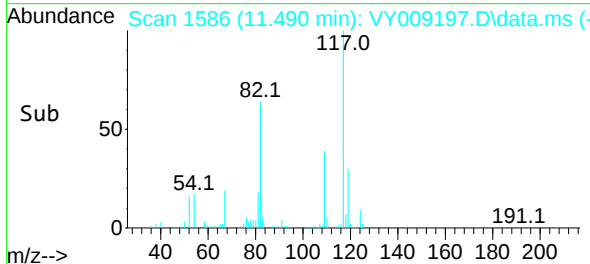
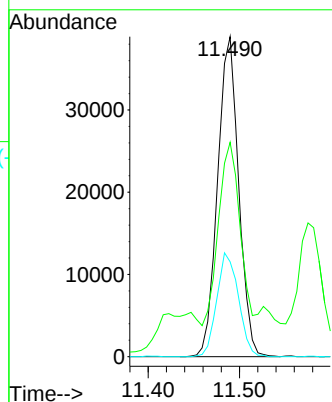
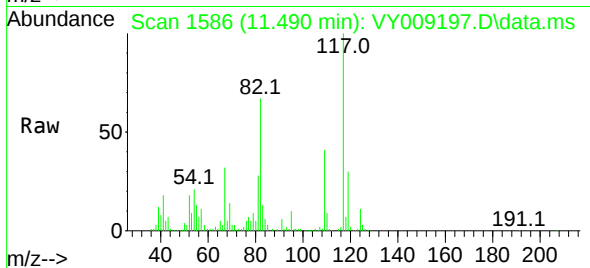
Tgt Ion:117 Resp: 62361

Ion Ratio Lower Upper

117 100

82 56.6 43.0 64.4

119 29.6 25.4 38.0



#67

Ethyl Benzene

Concen: 42.848 ug/l

RT: 11.587 min Scan# 1602

Delta R.T. 0.000 min

Lab File: VY009197.D

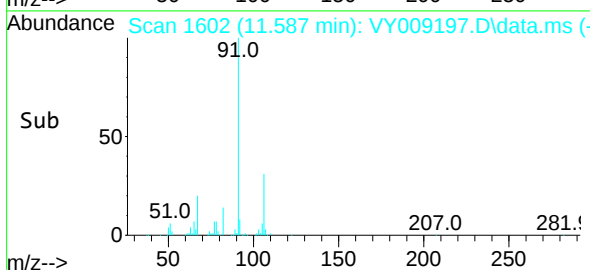
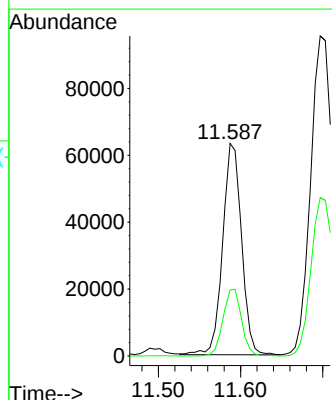
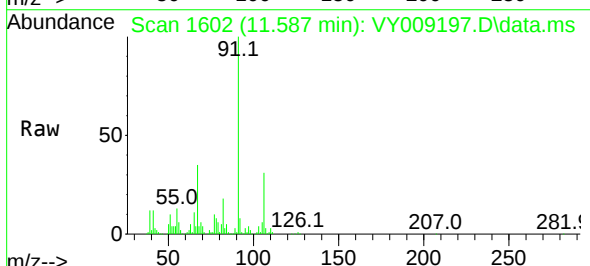
Acq: 16 Jun 2022 12:46

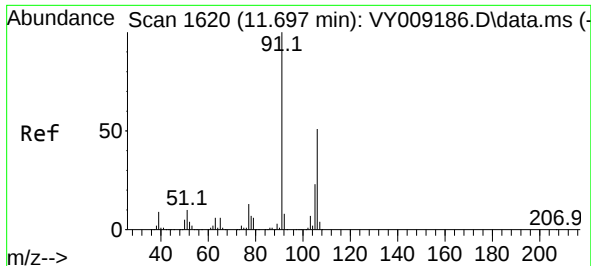
Tgt Ion: 91 Resp: 101004

Ion Ratio Lower Upper

91 100

106 31.2 24.5 36.7

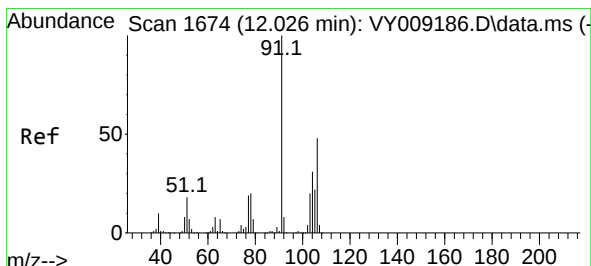
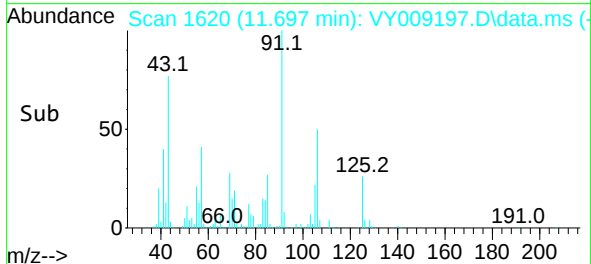
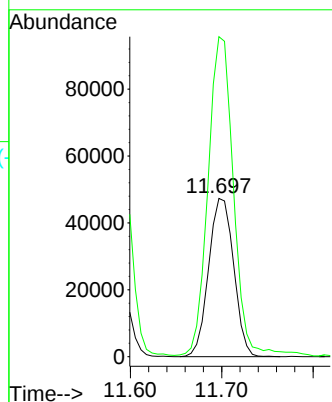
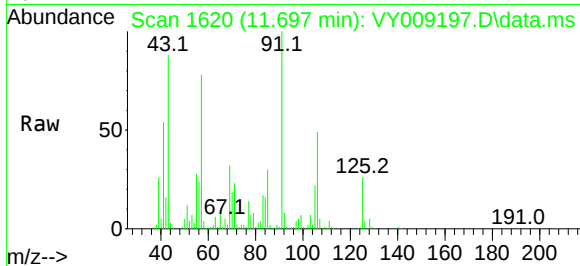




#68
m/p-Xylenes
Concen: 96.917 ug/l
RT: 11.697 min Scan# 1169
Delta R.T. 0.000 min
Lab File: VY009197.D
Acq: 16 Jun 2022 12:46

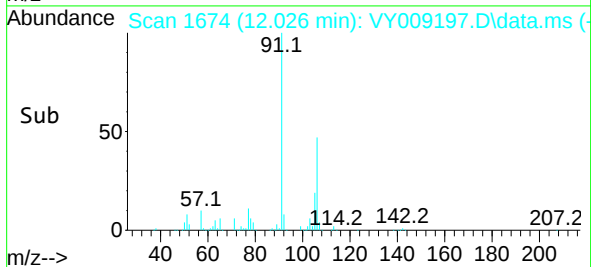
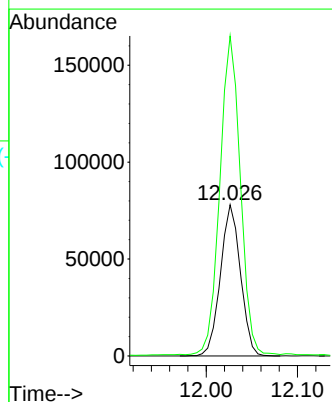
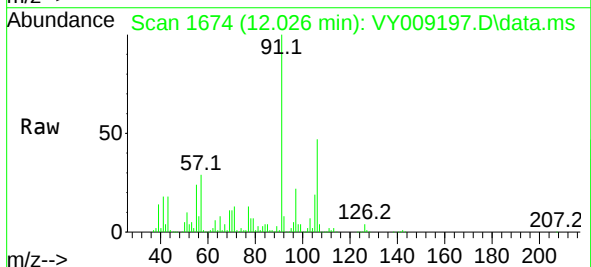
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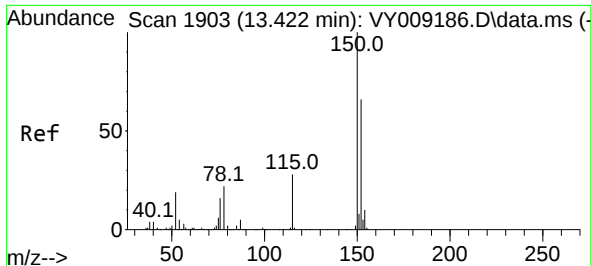
Tgt Ion:106 Resp: 90070
Ion Ratio Lower Upper
106 100
91 204.8 166.6 249.8



#69
o-Xylene
Concen: 135.050 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. 0.000 min
Lab File: VY009197.D
Acq: 16 Jun 2022 12:46

Tgt Ion:106 Resp: 118918
Ion Ratio Lower Upper
106 100
91 217.4 110.3 331.0

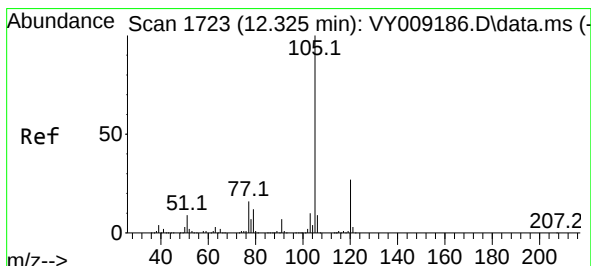
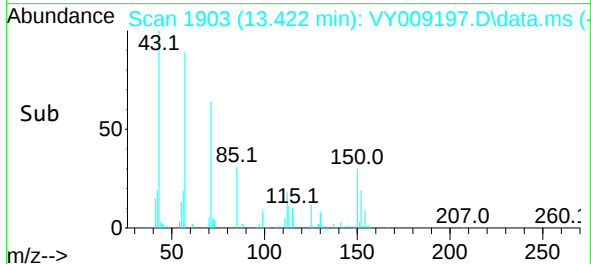
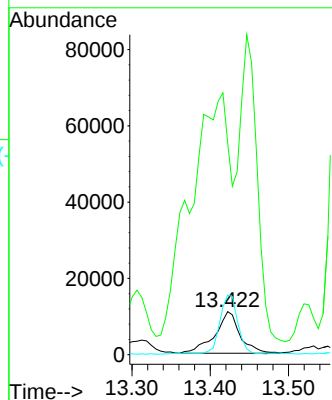
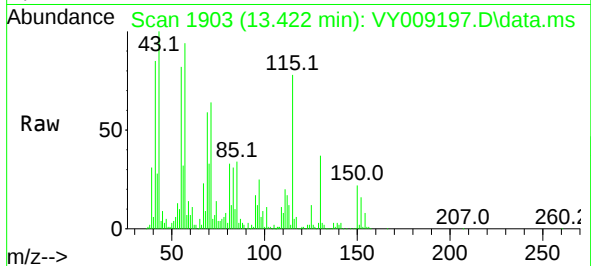




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY009197.D
Acq: 16 Jun 2022 12:46

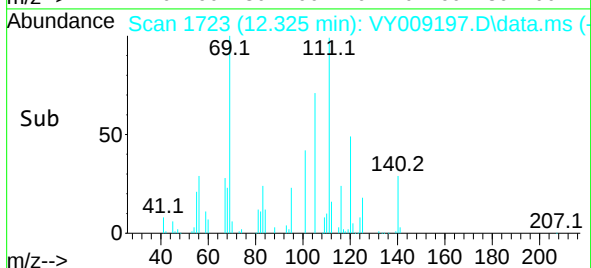
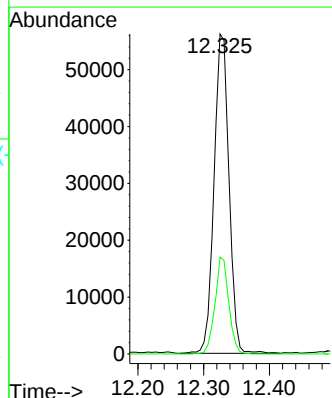
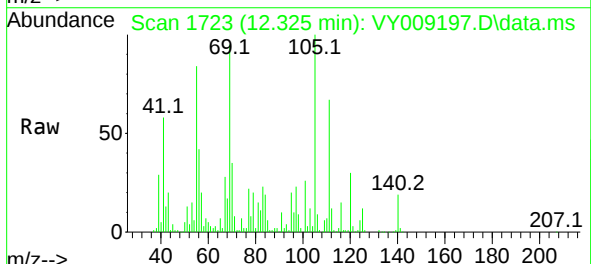
Instrument :
MSVOA_Y
ClientSampleId :
WC-14A-1A-11

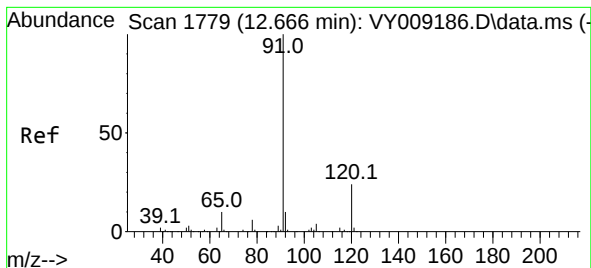
Tgt Ion:152 Resp: 24299
Ion Ratio Lower Upper
152 100
115 920.2 28.2 84.7#
150 101.5 0.0 347.6



#73
Isopropylbenzene
Concen: 48.588 ug/l
RT: 12.325 min Scan# 1723
Delta R.T. 0.000 min
Lab File: VY009197.D
Acq: 16 Jun 2022 12:46

Tgt Ion:105 Resp: 88859
Ion Ratio Lower Upper
105 100
120 28.0 13.4 40.2





#78

n-propylbenzene

Concen: 77.394 ug/l

RT: 12.666 min Scan# 1779

Delta R.T. 0.000 min

Lab File: VY009197.D

Acq: 16 Jun 2022 12:46

Instrument :

MSVOA_Y

ClientSampleId :

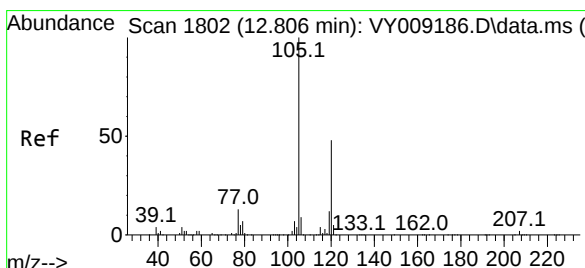
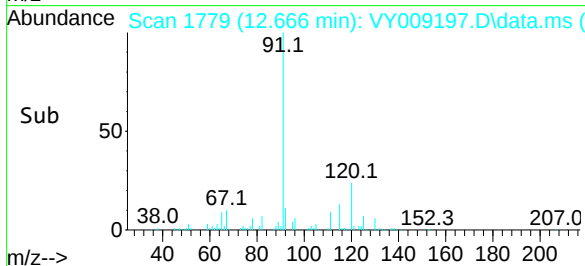
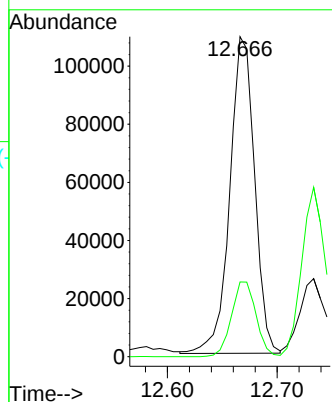
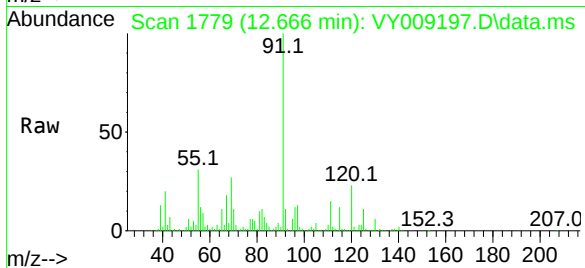
WC-14A-1A-11

Tgt Ion: 91 Resp: 171259

Ion Ratio Lower Upper

91 100

120 23.4 11.3 33.9



#80

1,3,5-Trimethylbenzene

Concen: 217.010 ug/l

RT: 12.813 min Scan# 1803

Delta R.T. 0.006 min

Lab File: VY009197.D

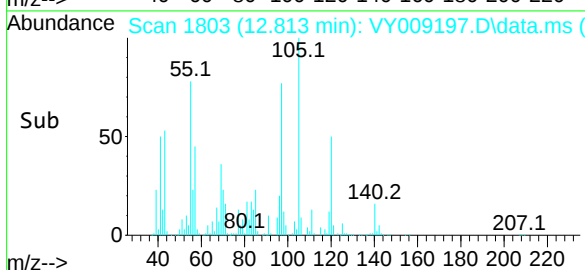
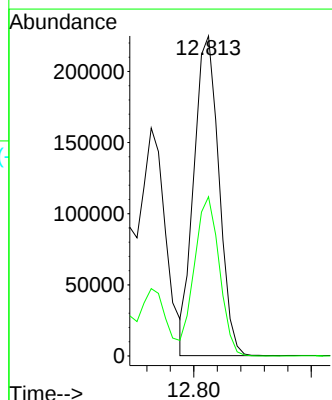
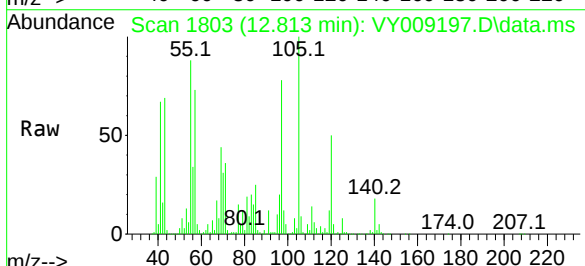
Acq: 16 Jun 2022 12:46

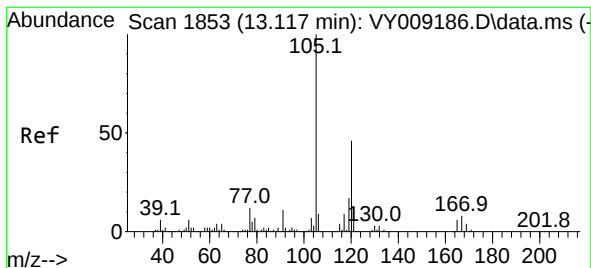
Tgt Ion: 105 Resp: 331717

Ion Ratio Lower Upper

105 100

120 49.7 24.4 73.4





#84

1,2,4-Trimethylbenzene

Concen: 529.331 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. 0.000 min

Lab File: VY009197.D

Acq: 16 Jun 2022 12:46

Instrument :

MSVOA_Y

ClientSampleId :

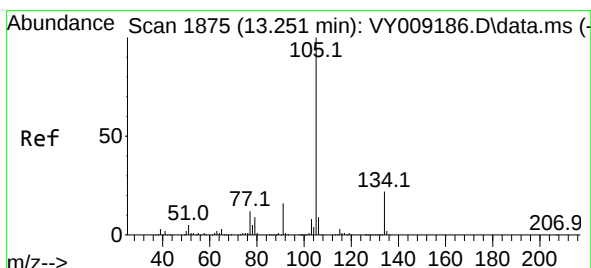
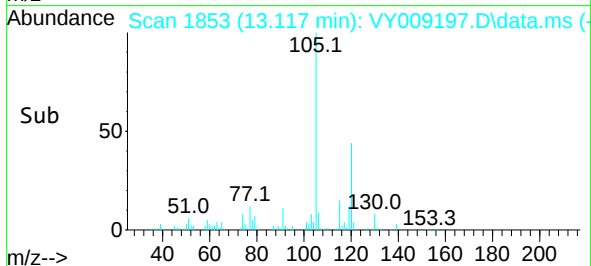
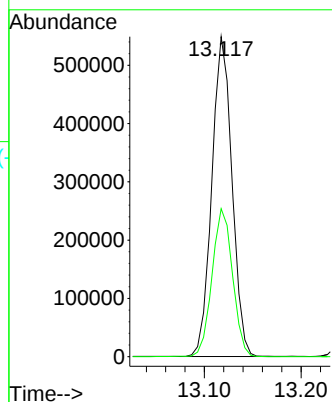
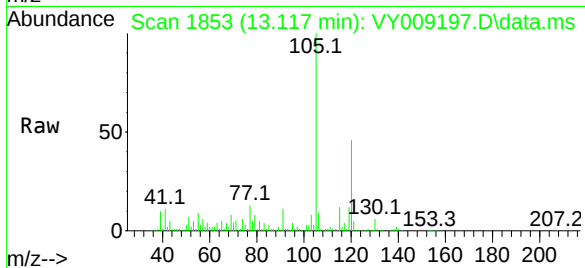
WC-14A-1A-11

Tgt Ion:105 Resp: 794187

Ion Ratio Lower Upper

105 100

120 47.2 22.3 66.9



#85

sec-Butylbenzene

Concen: 50.778 ug/l

RT: 13.251 min Scan# 1875

Delta R.T. 0.000 min

Lab File: VY009197.D

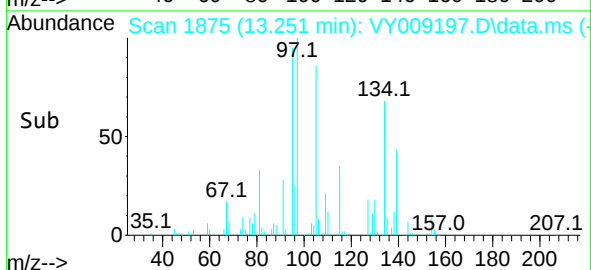
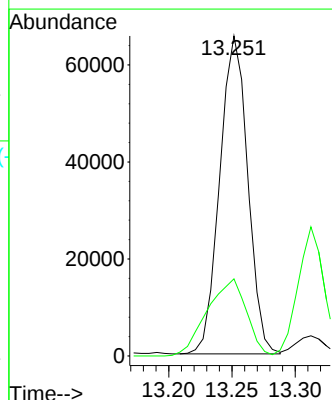
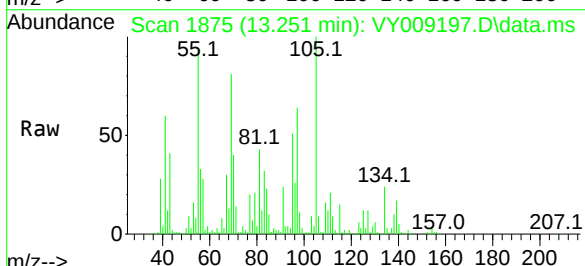
Acq: 16 Jun 2022 12:46

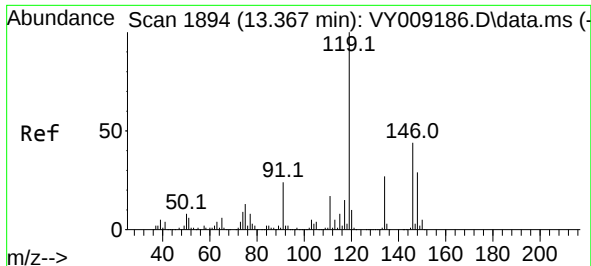
Tgt Ion:105 Resp: 101051

Ion Ratio Lower Upper

105 100

134 33.9 10.2 30.4#

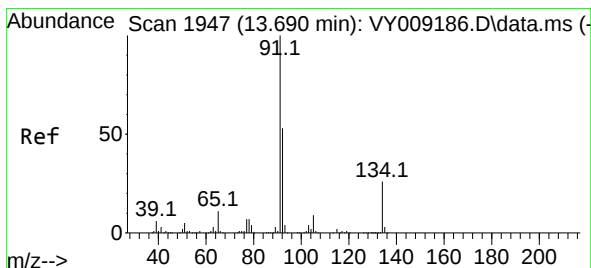
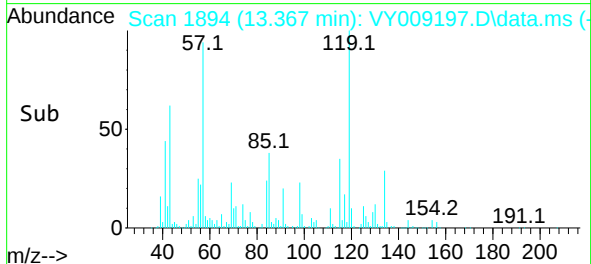
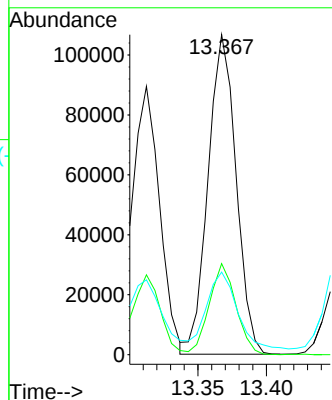
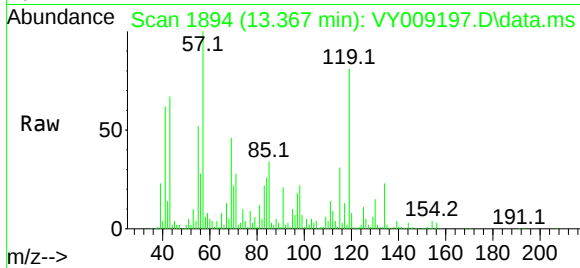




#86
p-Isopropyltoluene
Concen: 91.874 ug/l
RT: 13.367 min Scan# 1894
Delta R.T. 0.000 min
Lab File: VY009197.D
Acq: 16 Jun 2022 12:46

Instrument :
MSVOA_Y
ClientSampleId :
WC-14A-1A-11

Tgt Ion:119 Resp: 151722
Ion Ratio Lower Upper
119 100
134 27.1 13.2 39.5
91 25.7 12.4 37.2



#89
n-Butylbenzene
Concen: 40.126 ug/l
RT: 13.697 min Scan# 1948
Delta R.T. 0.006 min
Lab File: VY009197.D
Acq: 16 Jun 2022 12:46

Tgt Ion: 91 Resp: 62662
Ion Ratio Lower Upper
91 100
92 65.9 26.3 78.9
134 0.0 13.0 38.9#

