

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040221\
 Data File : VY004270.D
 Acq On : 02 Apr 2021 18:08
 Operator : SY/MD
 Sample : M1908-05
 Misc : 6.89g/5mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-5(3.0-3.5)

Quant Time: Apr 02 23:03:34 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032921S.M
 Quant Title : SW846 8260
 QLast Update : Tue Mar 30 06:38:14 2021
 Response via : Initial Calibration

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

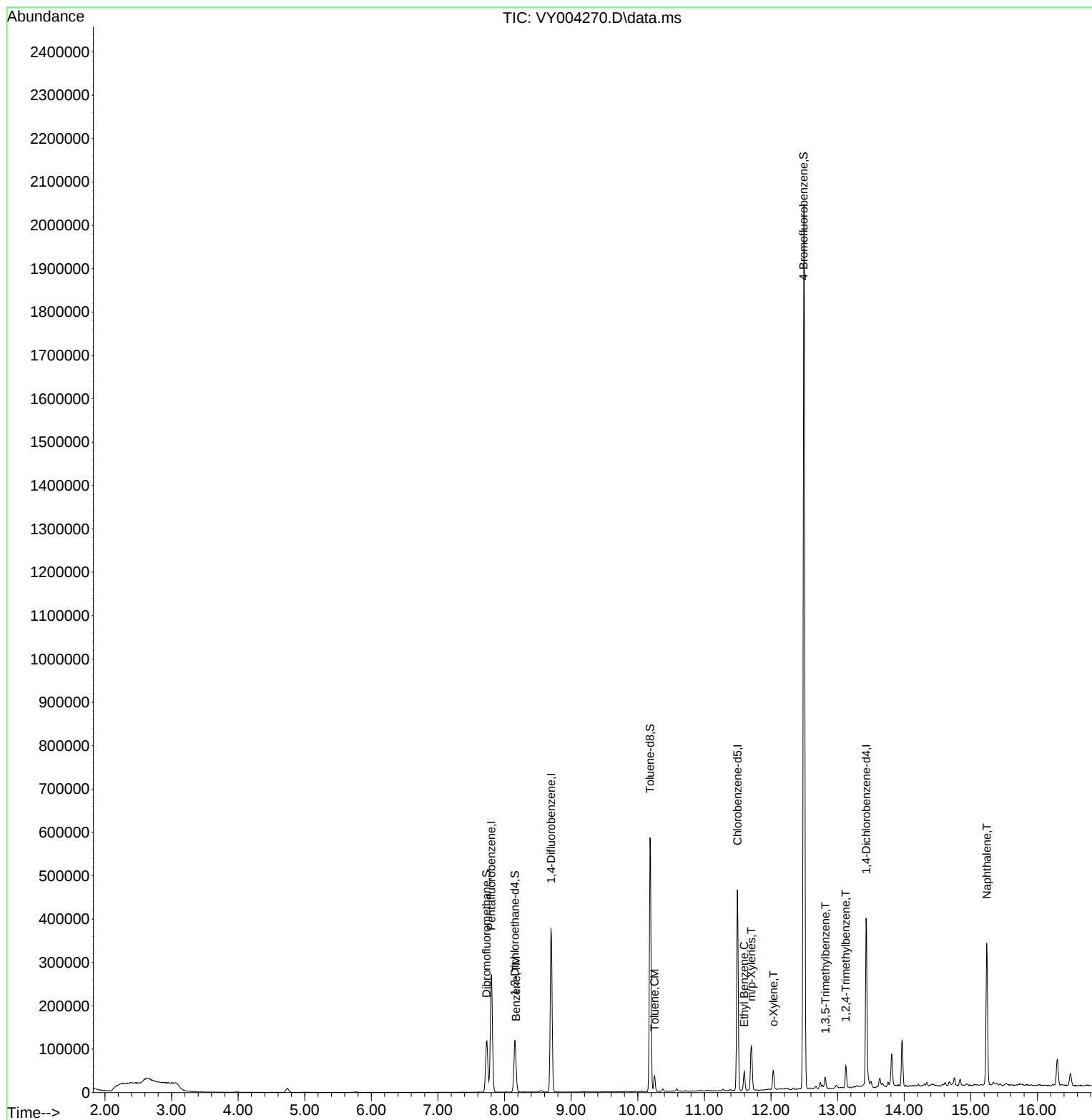
Internal Standards						
1) Pentafluorobenzene	7.801	168	208051	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	311970	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	236805	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	93756	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	84479	42.24	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	84.48%		
35) Dibromofluoromethane	7.728	113	82446	47.43	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	94.86%		
50) Toluene-d8	10.185	98	367353	56.19	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	112.38%		
62) 4-Bromofluorobenzene	12.489	95	100006	44.63	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	89.26%		
Target Compounds					Qvalue	
40) Benzene	8.173	78	14048	1.74	ug/l	97
52) Toluene	10.252	92	14512	2.80	ug/l	99
67) Ethyl Benzene	11.599	91	28408	3.31	ug/l	95
68) m/p-Xylenes	11.703	106	29781	9.04	ug/l	97
69) o-Xylene	12.038	106	11632	3.78	ug/l	95
80) 1,3,5-Trimethylbenzene	12.819	105	8206	1.47	ug/l	95
84) 1,2,4-Trimethylbenzene	13.123	105	26106	4.66	ug/l	98
95) Naphthalene	15.239	128	259579	64.11	ug/l	99

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

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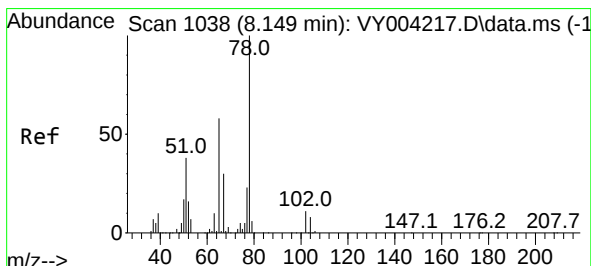
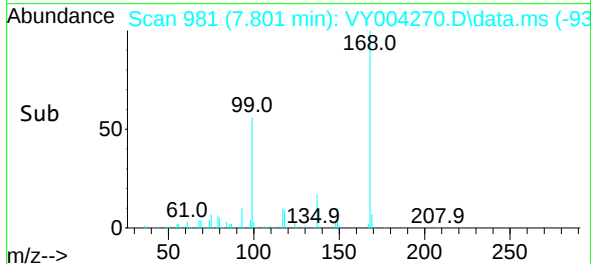
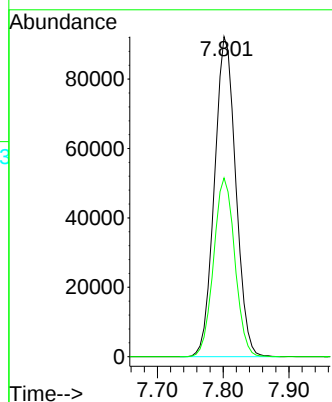
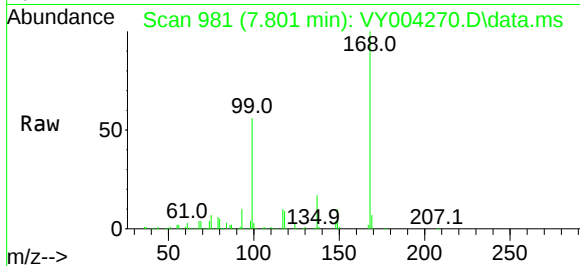




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY004270.D
Acq: 02 Apr 2021 18:08

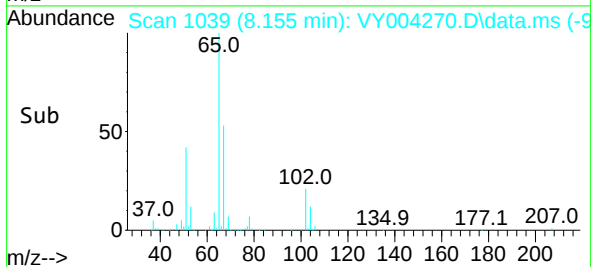
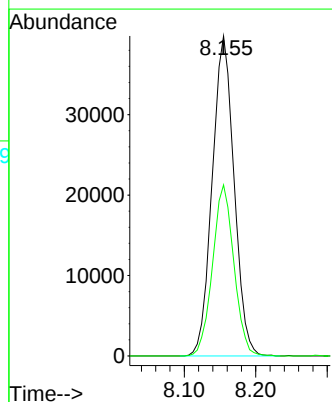
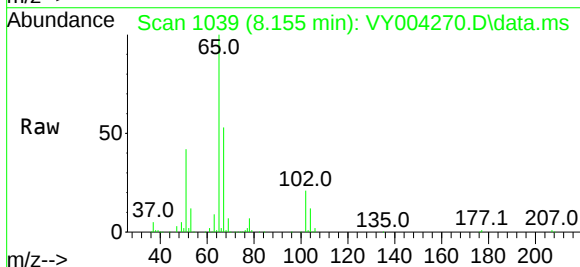
Instrument :
MSVOA_Y
ClientSampleId :
SB-5(3.0-3.5)

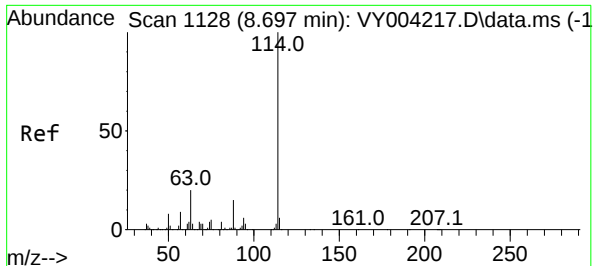
Tgt Ion:168 Resp: 208051
Ion Ratio Lower Upper
168 100
99 55.9 42.6 64.0



#33
1,2-Dichloroethane-d4
Concen: 42.24 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.006 min
Lab File: VY004270.D
Acq: 02 Apr 2021 18:08

Tgt Ion: 65 Resp: 84479
Ion Ratio Lower Upper
65 100
67 52.2 0.0 103.2





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.697 min Scan# 1128

Delta R.T. 0.000 min

Lab File: VY004270.D

Acq: 02 Apr 2021 18:08

Tgt Ion:114 Resp: 311970

Ion Ratio Lower Upper

114 100

63 21.0 0.0 40.4

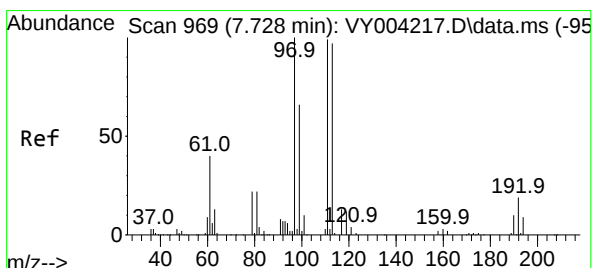
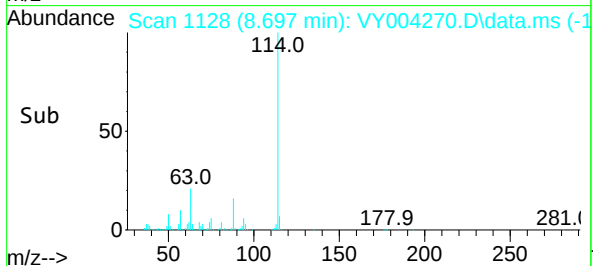
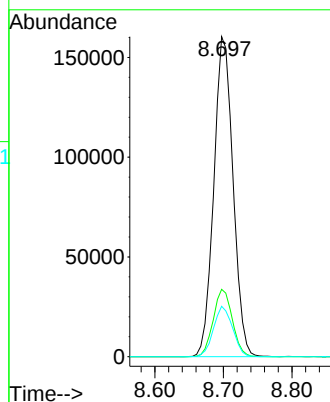
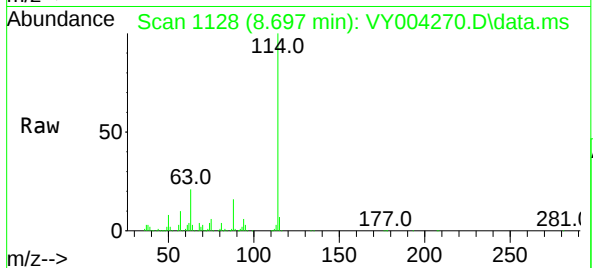
88 15.7 0.0 30.8

Instrument :

MSVOA_Y

ClientSampleId :

SB-5(3.0-3.5)



#35

Dibromofluoromethane

Concen: 47.43 ug/l

RT: 7.728 min Scan# 969

Delta R.T. 0.000 min

Lab File: VY004270.D

Acq: 02 Apr 2021 18:08

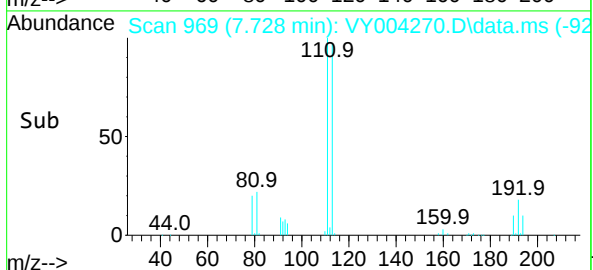
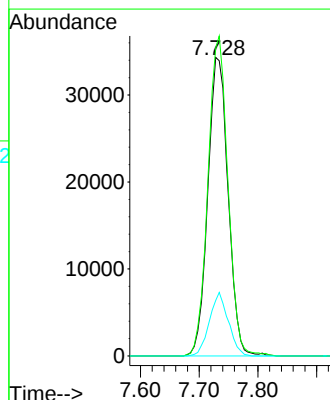
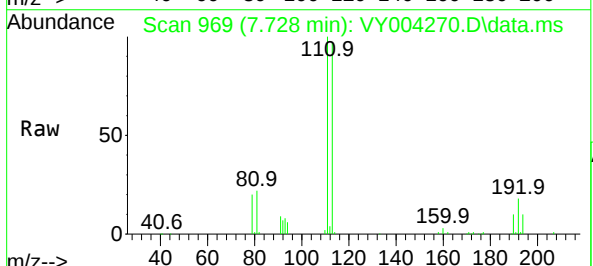
Tgt Ion:113 Resp: 82446

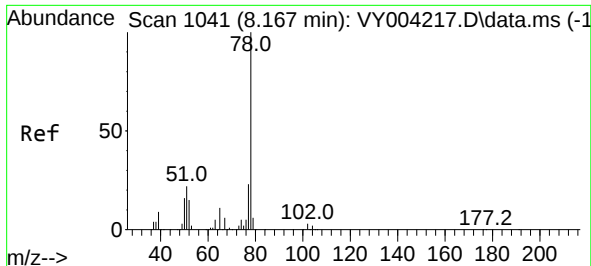
Ion Ratio Lower Upper

113 100

111 105.5 82.6 124.0

192 19.8 16.4 24.6

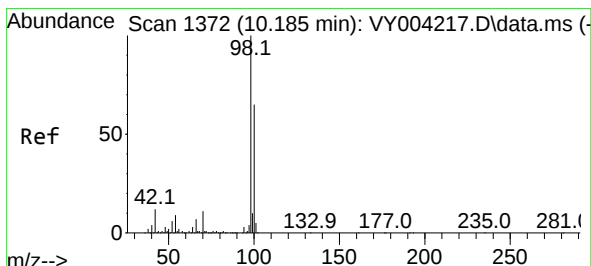
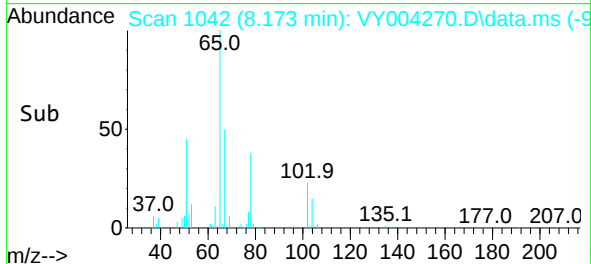
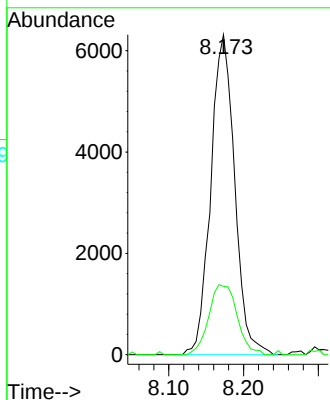
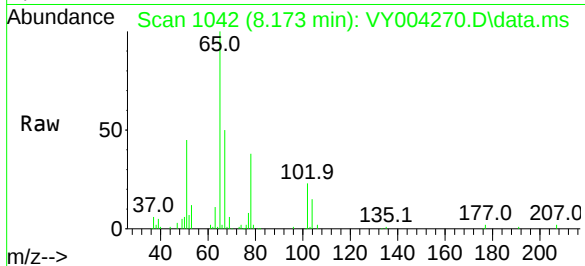




#40
Benzene
Concen: 1.74 ug/l
RT: 8.173 min Scan# 1042
Delta R.T. 0.006 min
Lab File: VY004270.D
Acq: 02 Apr 2021 18:08

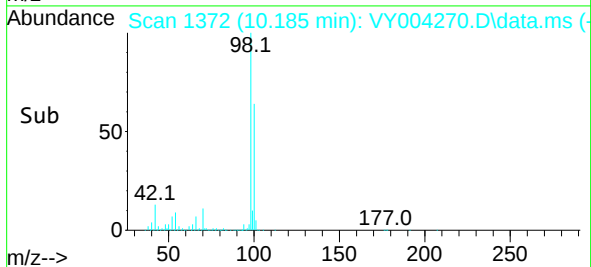
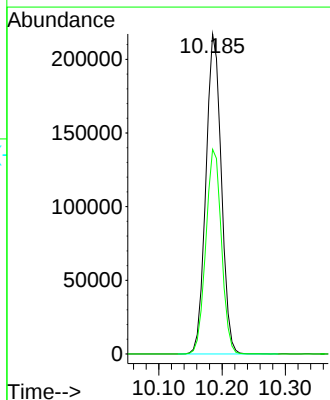
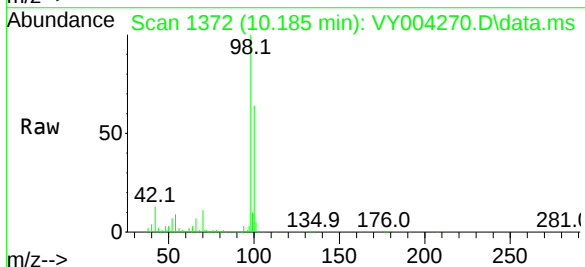
Instrument :
MSVOA_Y
ClientSampleId :
SB-5(3.0-3.5)

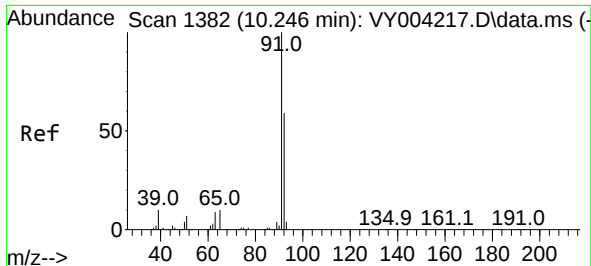
Tgt Ion: 78 Resp: 14048
Ion Ratio Lower Upper
78 100
77 21.3 18.3 27.5



#50
Toluene-d8
Concen: 56.19 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY004270.D
Acq: 02 Apr 2021 18:08

Tgt Ion: 98 Resp: 367353
Ion Ratio Lower Upper
98 100
100 64.8 52.5 78.7

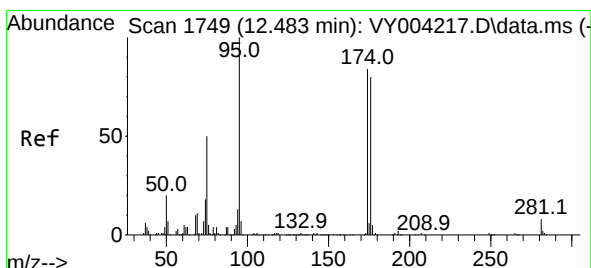
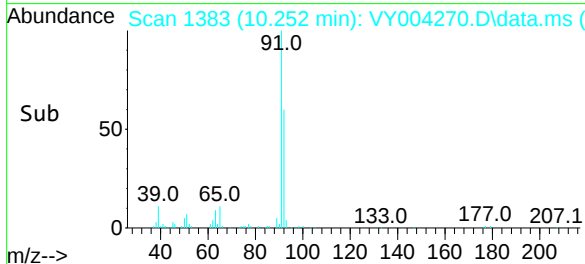
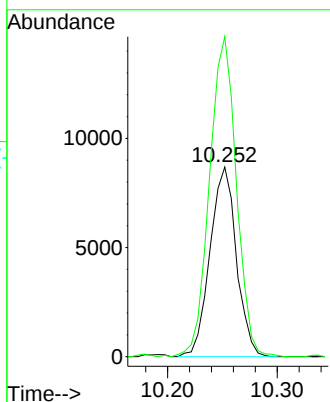
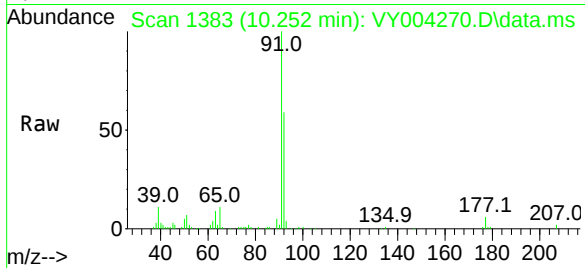




#52
Toluene
Concen: 2.80 ug/l
RT: 10.252 min Scan# 1383
Delta R.T. 0.006 min
Lab File: VY004270.D
Acq: 02 Apr 2021 18:08

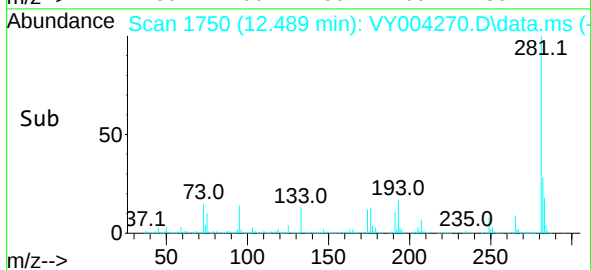
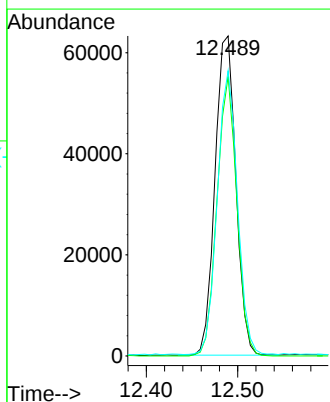
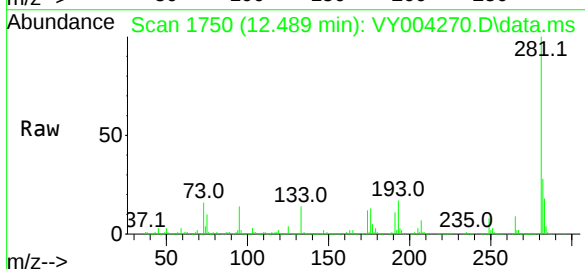
Instrument :
MSVOA_Y
ClientSampleId :
SB-5(3.0-3.5)

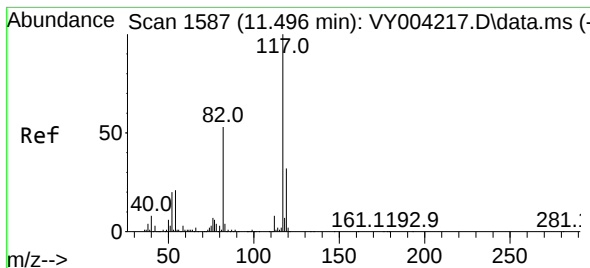
Tgt Ion: 92 Resp: 14512
Ion Ratio Lower Upper
92 100
91 172.0 136.0 204.0



#62
4-Bromofluorobenzene
Concen: 44.63 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VY004270.D
Acq: 02 Apr 2021 18:08

Tgt Ion: 95 Resp: 100006
Ion Ratio Lower Upper
95 100
174 83.3 0.0 171.4
176 86.2 0.0 165.6

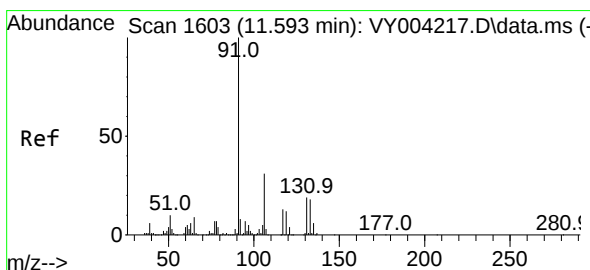
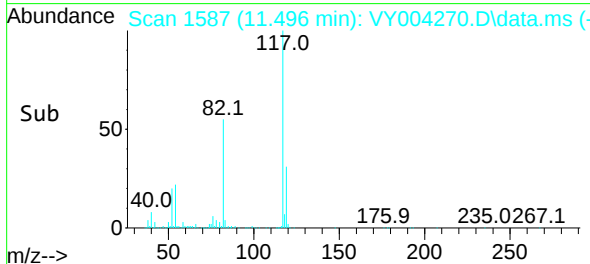
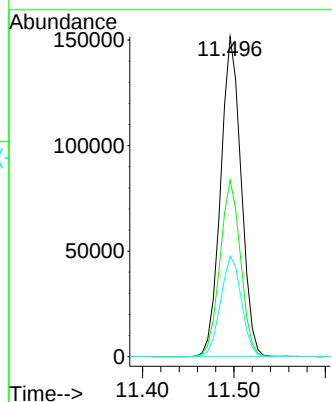
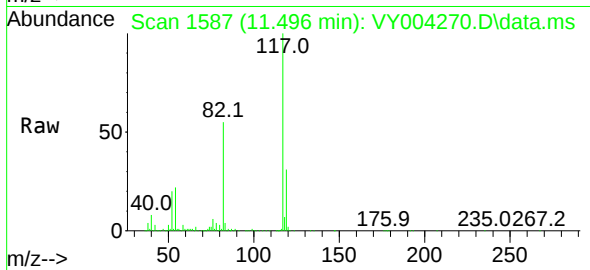




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VY004270.D
Acq: 02 Apr 2021 18:08

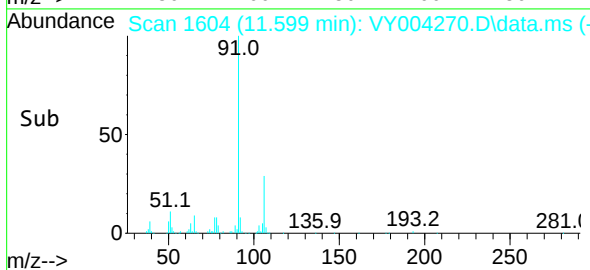
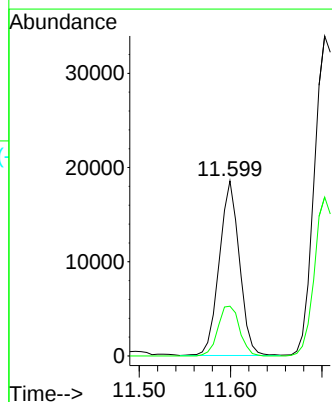
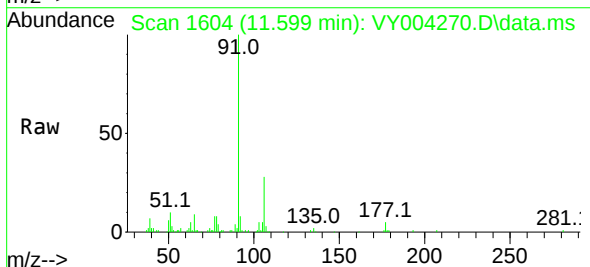
Instrument :
MSVOA_Y
ClientSampleId :
SB-5(3.0-3.5)

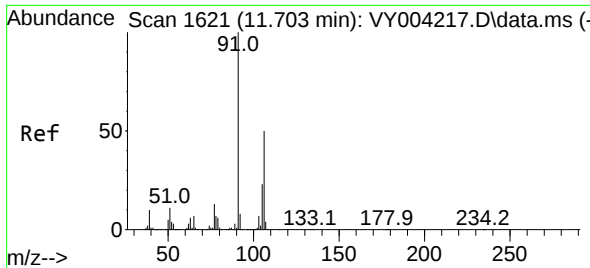
Tgt Ion:117 Resp: 236805
Ion Ratio Lower Upper
117 100
82 55.1 42.7 64.1
119 31.4 25.7 38.5



#67
Ethyl Benzene
Concen: 3.31 ug/l
RT: 11.599 min Scan# 1604
Delta R.T. 0.006 min
Lab File: VY004270.D
Acq: 02 Apr 2021 18:08

Tgt Ion: 91 Resp: 28408
Ion Ratio Lower Upper
91 100
106 28.5 25.0 37.6

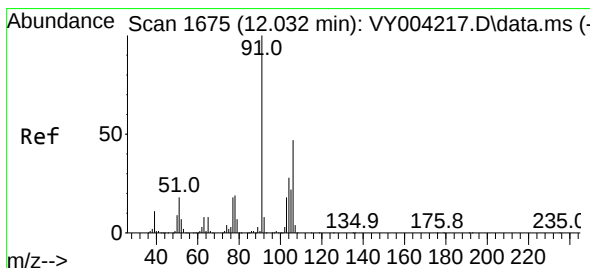
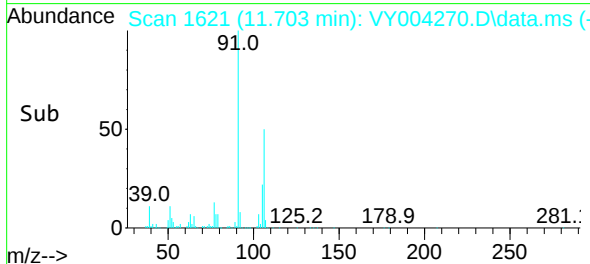
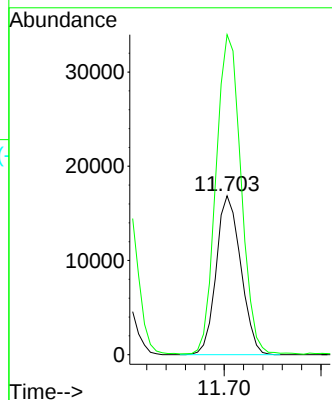
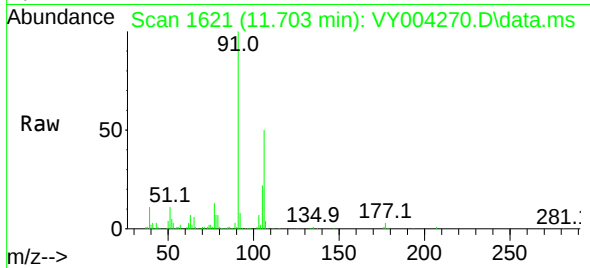




#68
m/p-Xylenes
Concen: 9.04 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. 0.000 min
Lab File: VY004270.D
Acq: 02 Apr 2021 18:08

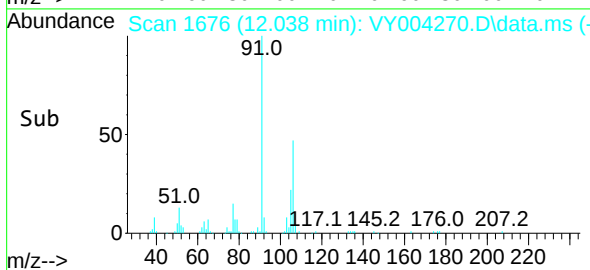
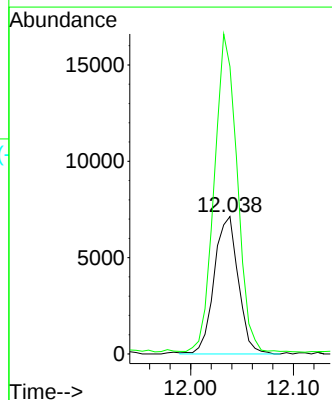
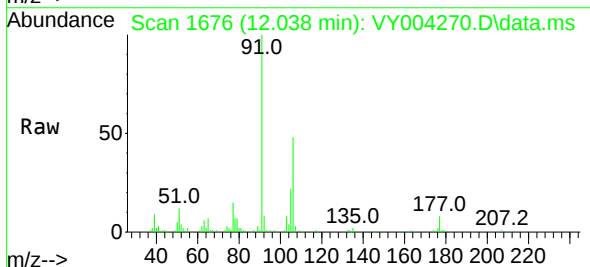
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MSVOA_Y
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SB-5(3.0-3.5)

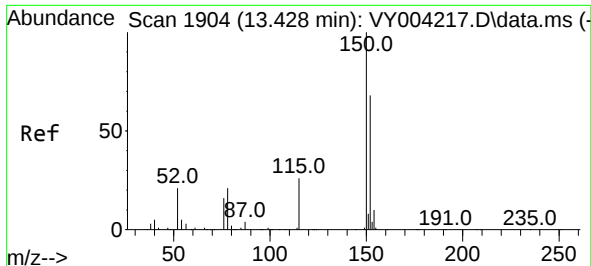
Tgt Ion:106 Resp: 29781
Ion Ratio Lower Upper
106 100
91 204.3 159.8 239.6



#69
o-Xylene
Concen: 3.78 ug/l
RT: 12.038 min Scan# 1676
Delta R.T. 0.006 min
Lab File: VY004270.D
Acq: 02 Apr 2021 18:08

Tgt Ion:106 Resp: 11632
Ion Ratio Lower Upper
106 100
91 219.7 105.6 316.8

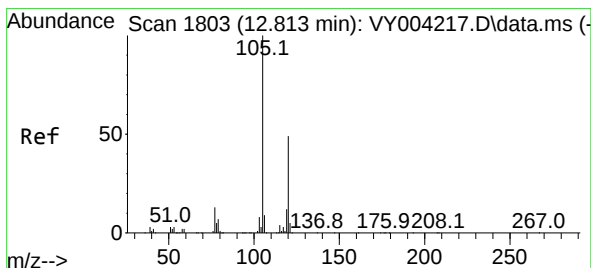
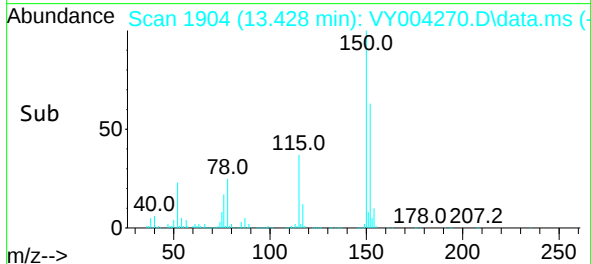
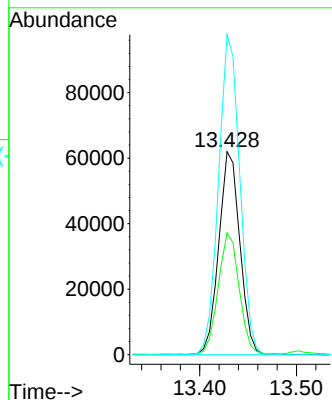
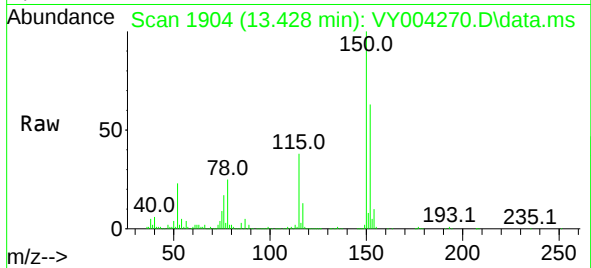




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY004270.D
 Acq: 02 Apr 2021 18:08

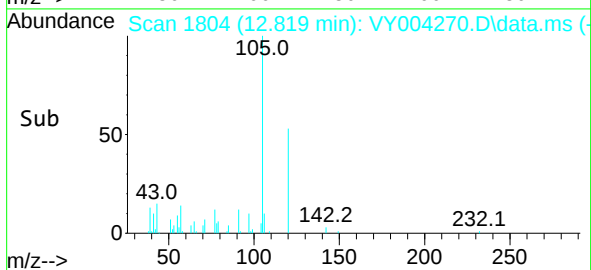
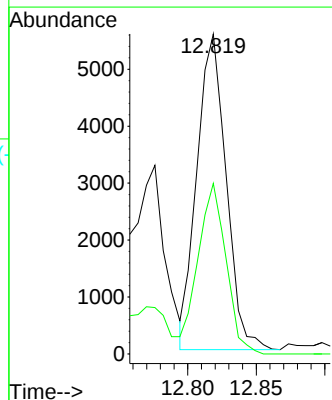
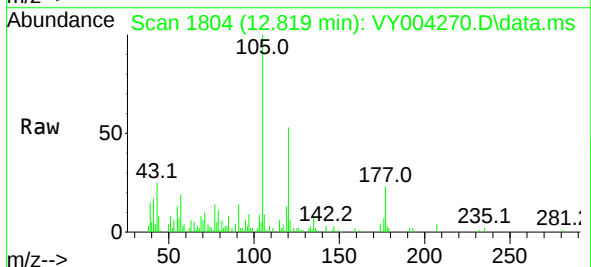
Instrument :
 MSVOA_Y
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 SB-5(3.0-3.5)

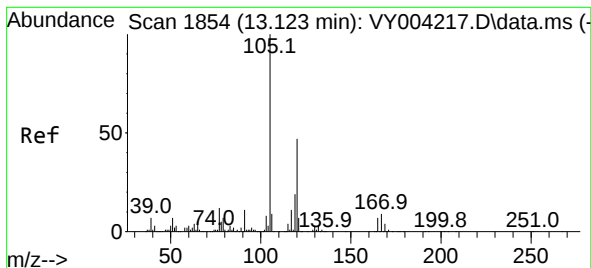
Tgt Ion:152 Resp: 93756
 Ion Ratio Lower Upper
 152 100
 115 59.2 29.0 87.1
 150 158.5 0.0 347.4



#80
 1,3,5-Trimethylbenzene
 Concen: 1.47 ug/l
 RT: 12.819 min Scan# 1804
 Delta R.T. 0.006 min
 Lab File: VY004270.D
 Acq: 02 Apr 2021 18:08

Tgt Ion:105 Resp: 8206
 Ion Ratio Lower Upper
 105 100
 120 53.1 24.9 74.7





#84

1,2,4-Trimethylbenzene

Concen: 4.66 ug/l

RT: 13.123 min Scan# 1854

Delta R.T. 0.000 min

Lab File: VY004270.D

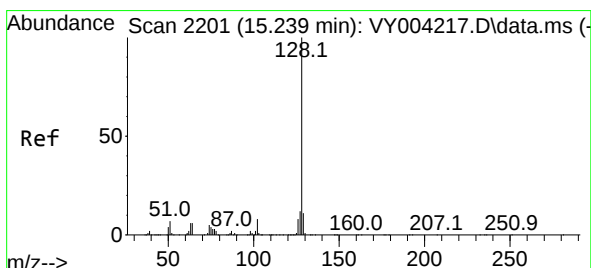
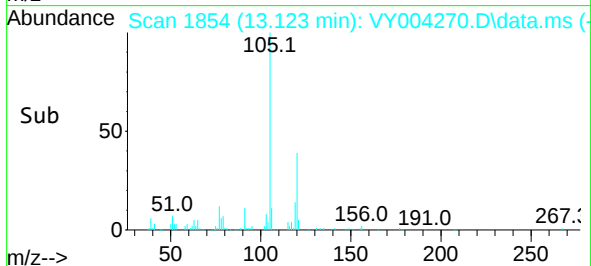
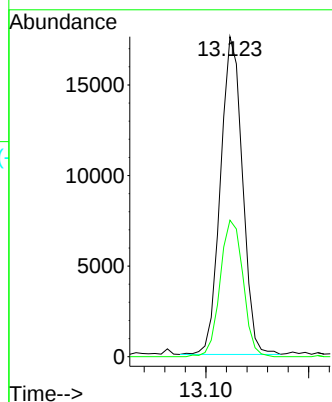
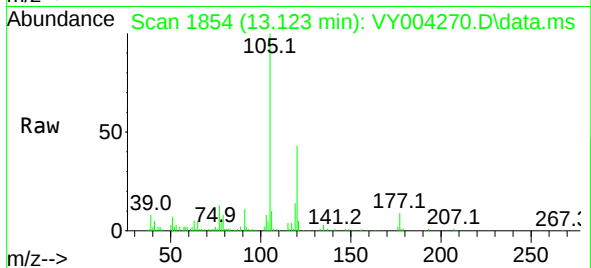
Acq: 02 Apr 2021 18:08

Tgt Ion:105 Resp: 26106

Ion Ratio Lower Upper

105 100

120 44.6 22.9 68.7



#95

Naphthalene

Concen: 64.11 ug/l

RT: 15.239 min Scan# 2201

Delta R.T. 0.000 min

Lab File: VY004270.D

Acq: 02 Apr 2021 18:08

Tgt Ion:128 Resp: 259579

Ion Ratio Lower Upper

128 100

127 13.0 10.1 15.1

129 11.0 8.9 13.3

