

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)

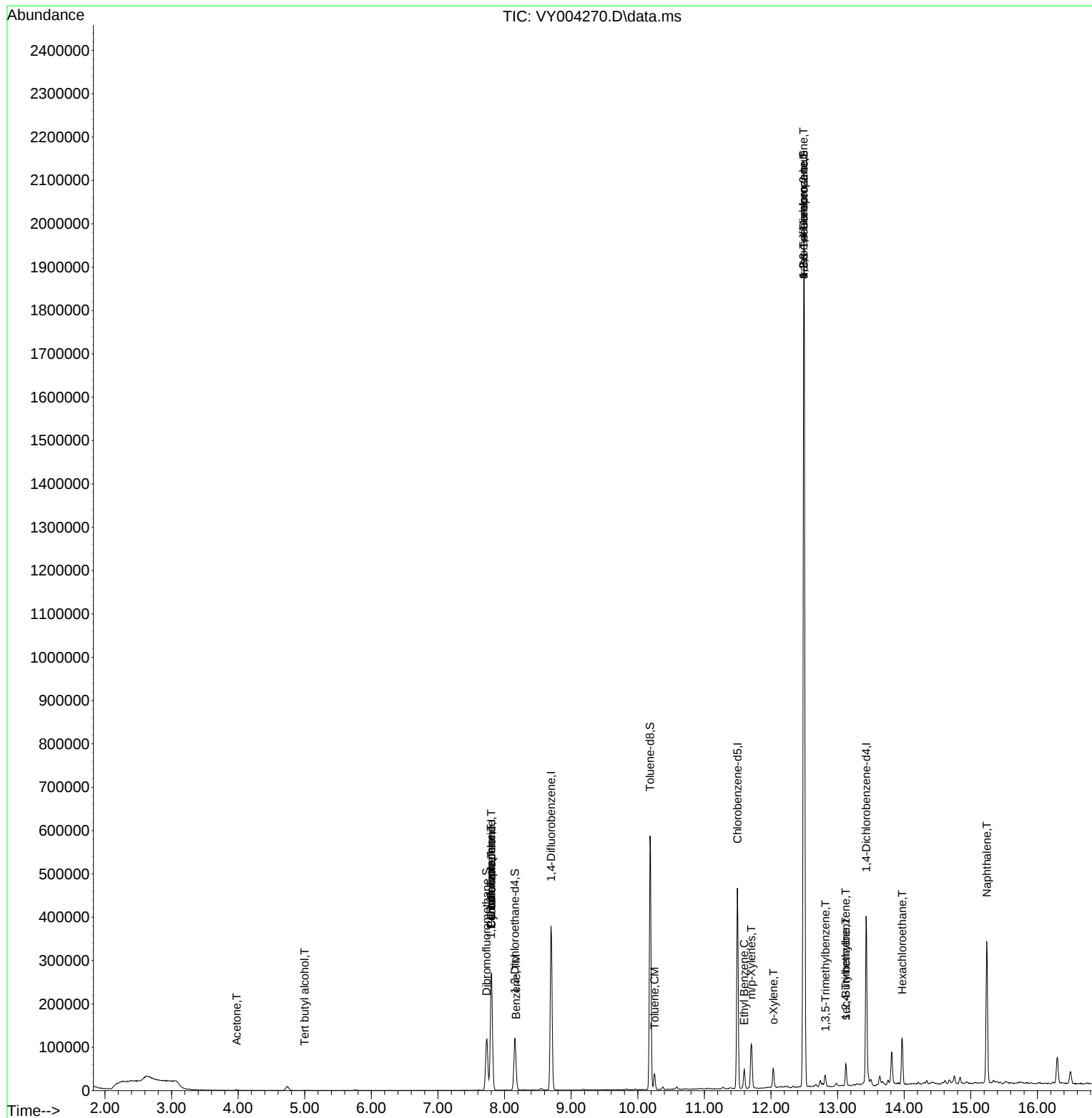
Internal Standards						
1) Pentafluorobenzene	7.801	168	208051	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	311970	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	236805	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	93756	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	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	
11) Tert butyl alcohol	4.997	59	504	3.10	ug/l #	71
13) Acrolein	3.753	56	167	Below Cal		84
16) Acetone	3.979	43	2146	5.15	ug/l	93
31) Cyclohexane	7.801	56	4694	1.33	ug/l #	1
36) 1,1-Dichloropropene	7.795	75	15897	5.58	ug/l #	49
38) Carbon Tetrachloride	7.801	117	21019	8.49	ug/l #	16
40) Benzene	8.173	78	14048	1.74	ug/l	97
49) 1,4-Dioxane	9.325	88	160	Below Cal	#	77
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
76) 1,2,3-Trichloropropane	12.489	75	69824	82.02	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.819	105	8206	1.47	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.489	75	69824	151.16	ug/l #	14
84) 1,2,4-Trimethylbenzene	13.123	105	26106	4.66	ug/l	98
85) sec-Butylbenzene	13.123	105	26106	3.93	ug/l #	56
90) Hexachloroethane	13.971	117	700	8.37	ug/l #	12
95) Naphthalene	15.239	128	259579	64.11	ug/l	99

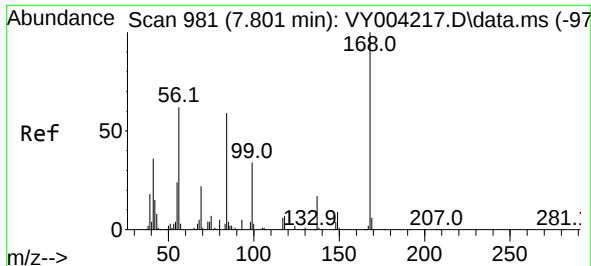
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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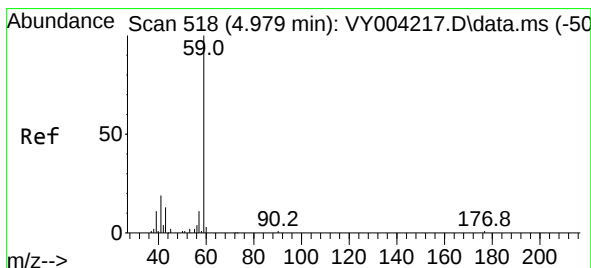
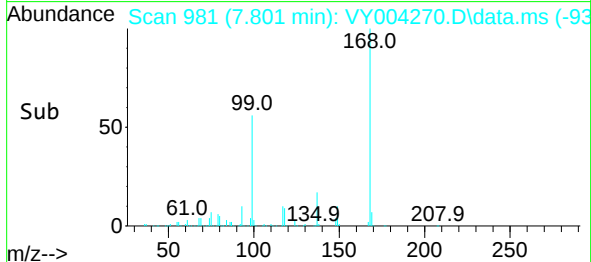
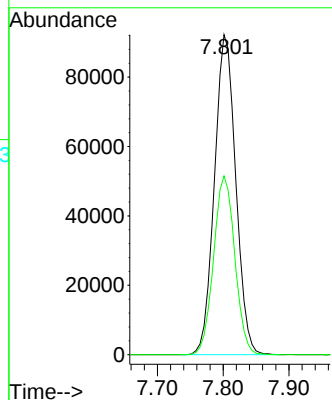
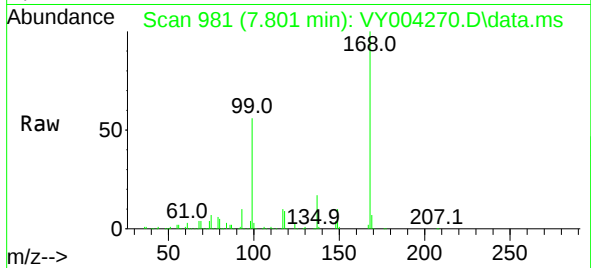




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY004270.D
Acq: 02 Apr 2021 18:08

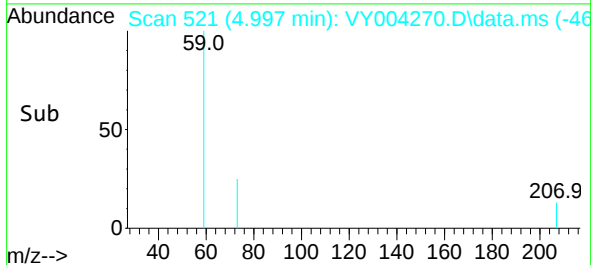
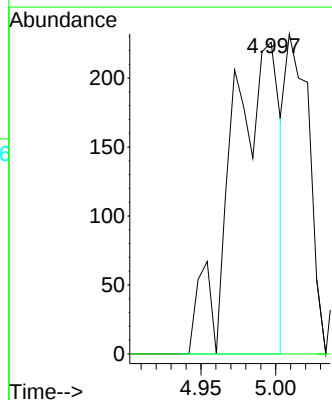
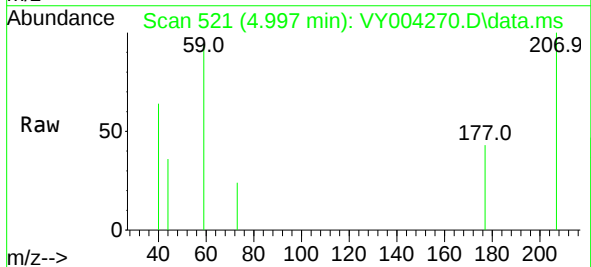
Instrument :
MSVOA_Y
ClientSampleId :
SB-5(3.0-3.5)

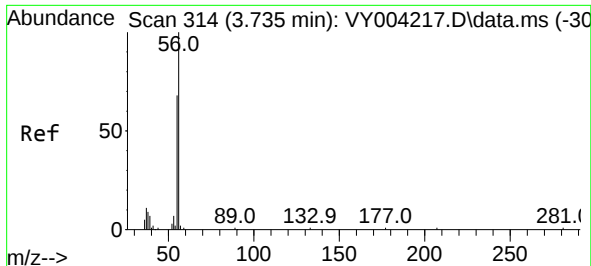
Tgt Ion:168 Resp: 208051
Ion Ratio Lower Upper
168 100
99 55.9 42.6 64.0



#11
Tert butyl alcohol
Concen: 3.10 ug/l
RT: 4.997 min Scan# 521
Delta R.T. 0.018 min
Lab File: VY004270.D
Acq: 02 Apr 2021 18:08

Tgt Ion: 59 Resp: 504
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#

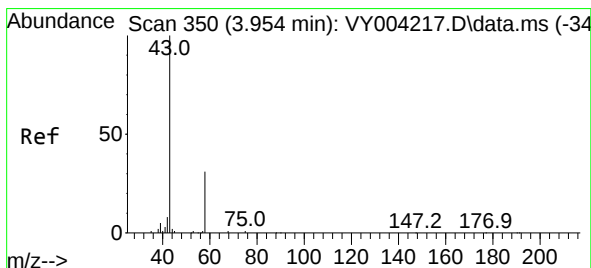
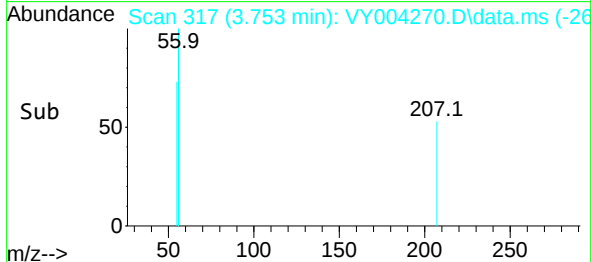
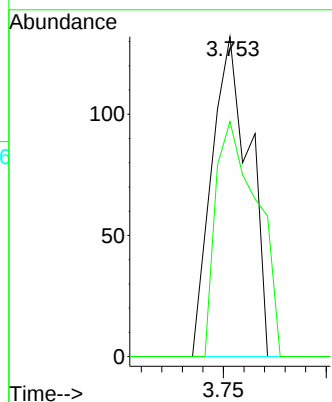
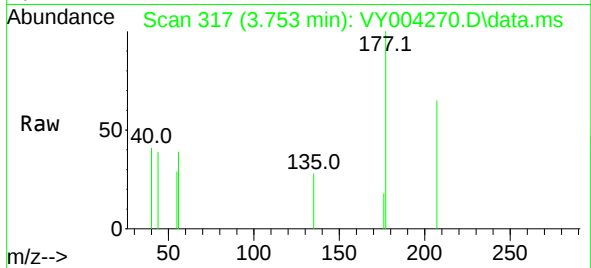




#13
Acrolein
Concen: Below Cal
RT: 3.753 min Scan# 317
Delta R.T. 0.018 min
Lab File: VY004270.D
Acq: 02 Apr 2021 18:08

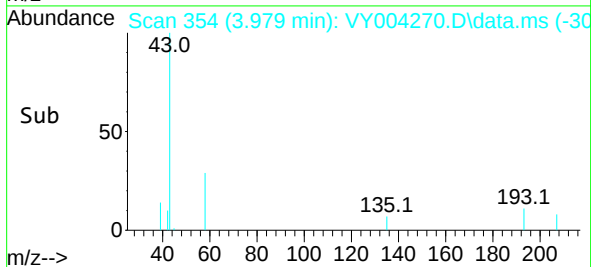
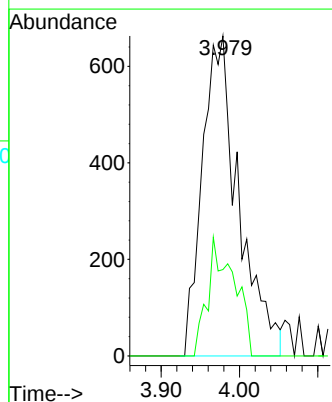
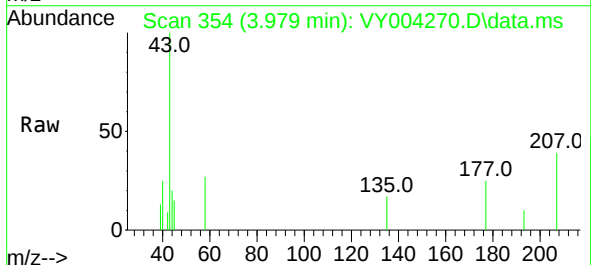
Instrument :
MSVOA_Y
ClientSampleId :
SB-5(3.0-3.5)

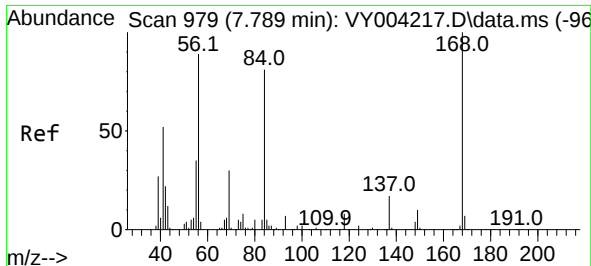
Tgt Ion: 56 Resp: 167
Ion Ratio Lower Upper
56 100
55 82.0 55.0 82.4



#16
Acetone
Concen: 5.15 ug/l
RT: 3.979 min Scan# 354
Delta R.T. 0.024 min
Lab File: VY004270.D
Acq: 02 Apr 2021 18:08

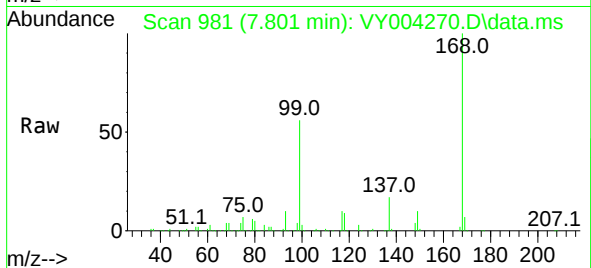
Tgt Ion: 43 Resp: 2146
Ion Ratio Lower Upper
43 100
58 27.0 24.5 36.7



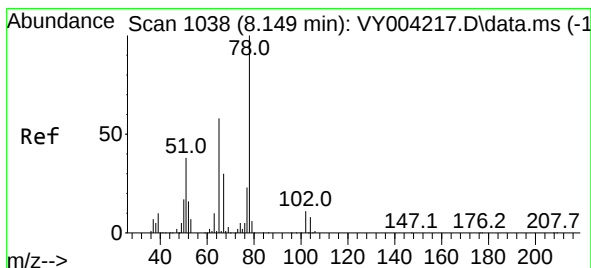
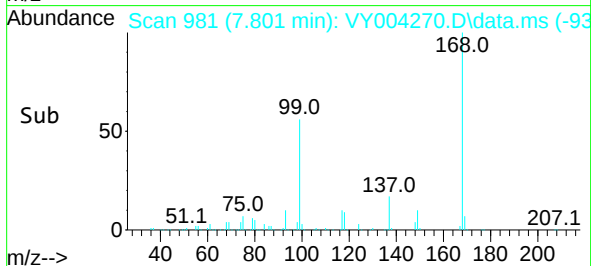
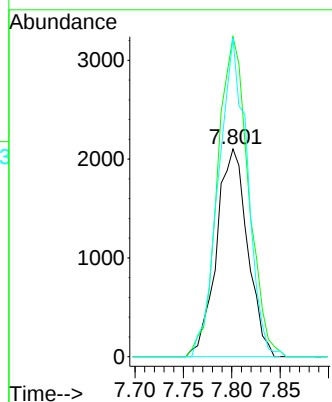


#31
Cyclohexane
Concen: 1.33 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY004270.D
Acq: 02 Apr 2021 18:08

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

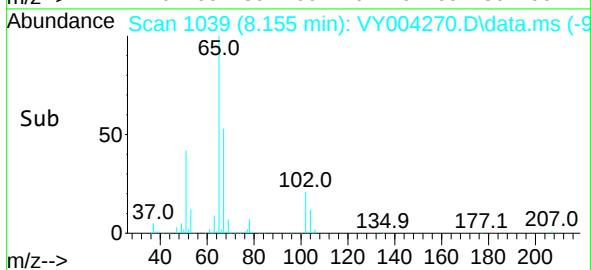
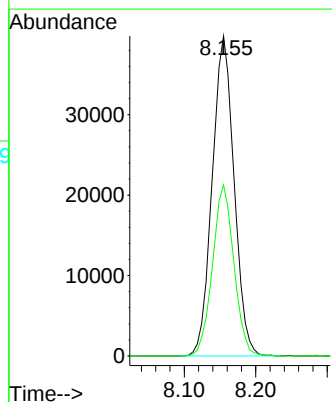
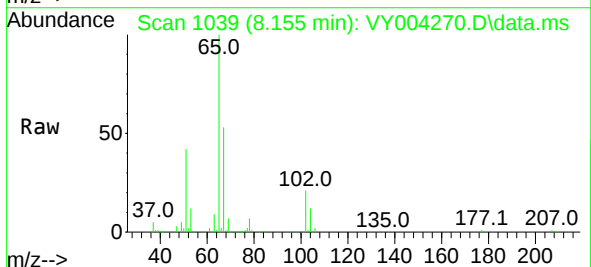


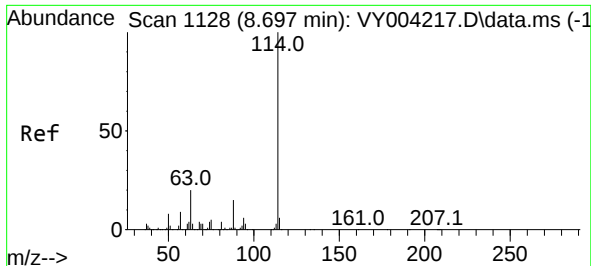
Tgt Ion: 56 Resp: 4694
Ion Ratio Lower Upper
56 100
69 154.1 26.6 40.0#
84 153.4 72.3 108.5#



#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

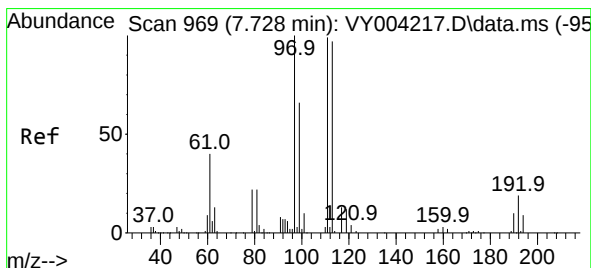
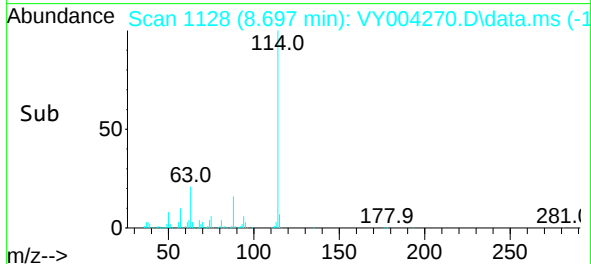
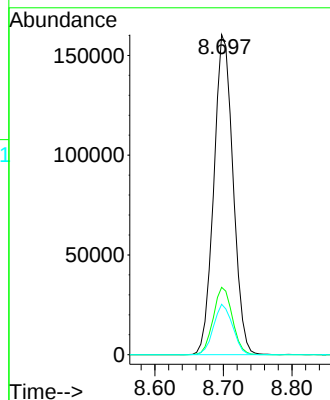
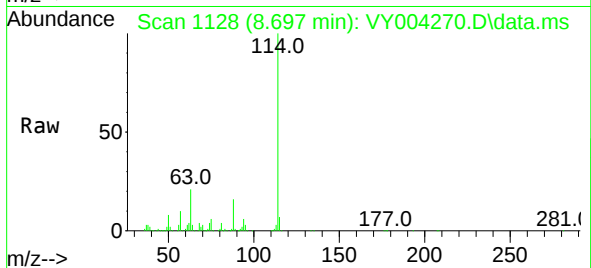
88 15.7 0.0 30.8

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

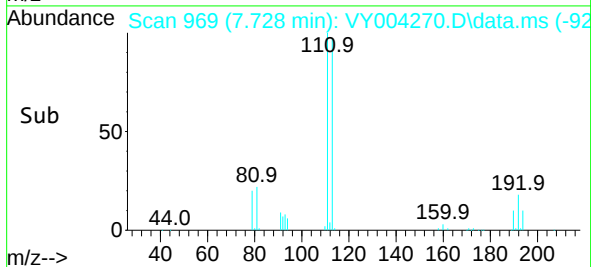
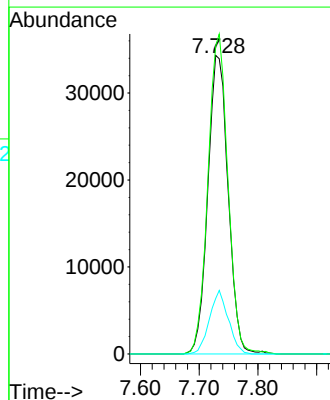
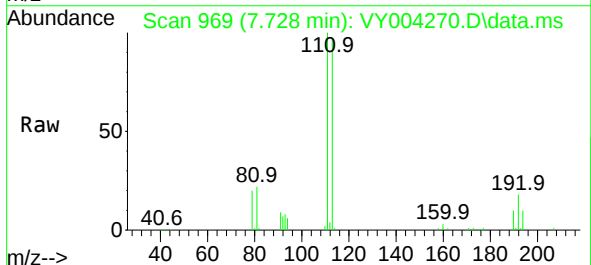
Tgt Ion:113 Resp: 82446

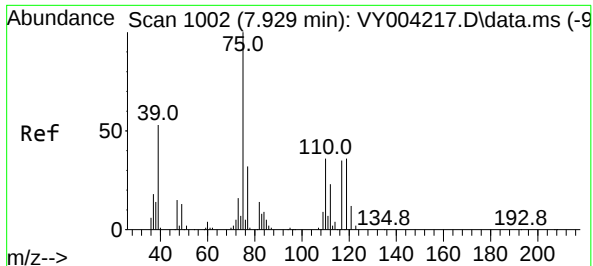
Ion Ratio Lower Upper

113 100

111 105.5 82.6 124.0

192 19.8 16.4 24.6





#36

1,1-Dichloropropene

Concen: 5.58 ug/l

RT: 7.795 min Scan# 980

Delta R.T. -0.134 min

Lab File: VY004270.D

Acq: 02 Apr 2021 18:08

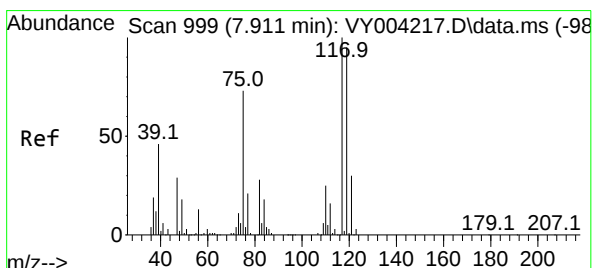
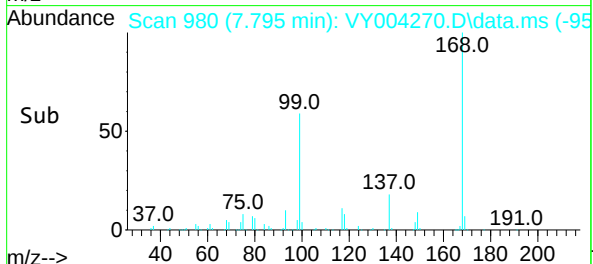
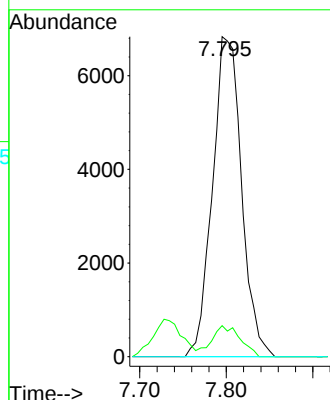
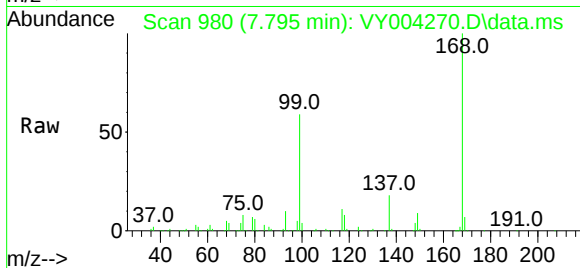
Instrument :

MSVOA_Y

ClientSampleId :

SB-5(3.0-3.5)

Tgt Ion:	75	Resp:	15897
Ion	Ratio	Lower	Upper
75	100		
110	9.6	18.1	54.3#
77	0.0	25.1	37.7#



#38

Carbon Tetrachloride

Concen: 8.49 ug/l

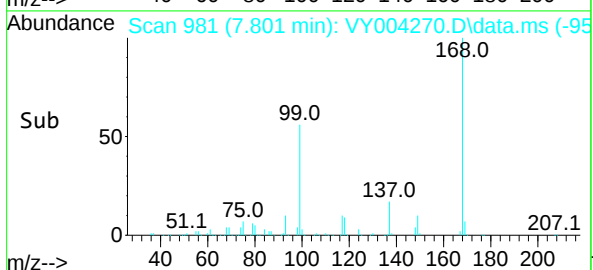
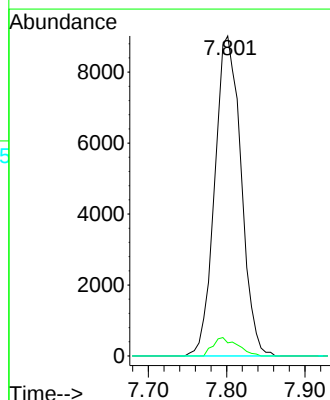
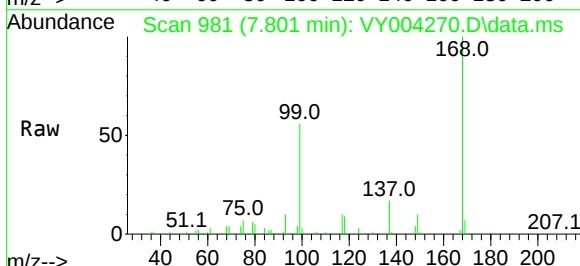
RT: 7.801 min Scan# 981

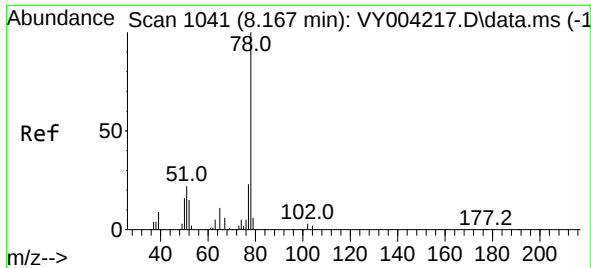
Delta R.T. -0.110 min

Lab File: VY004270.D

Acq: 02 Apr 2021 18:08

Tgt Ion:	117	Resp:	21019
Ion	Ratio	Lower	Upper
117	100		
119	4.1	75.6	113.4#
121	0.0	24.3	36.5#

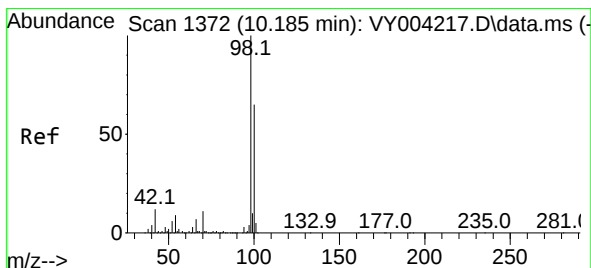
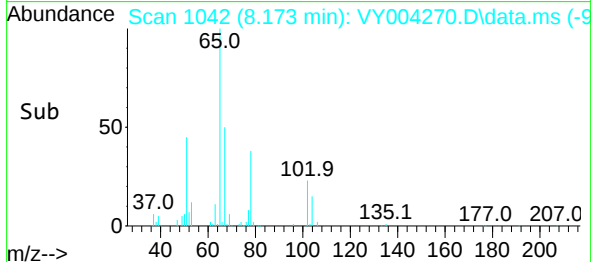
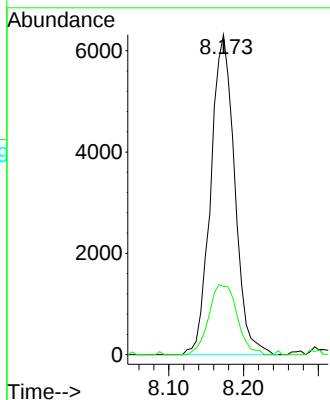
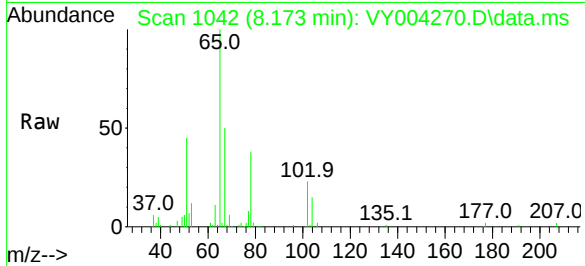




#40
Benzene
Concen: 1.74 ug/l
RT: 8.173 min Scan# 1042
Delta R.T. 0.006 min
Lab File: VY004270.D
Acq: 02 Apr 2021 18:08

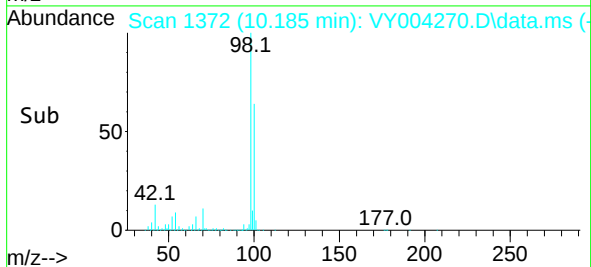
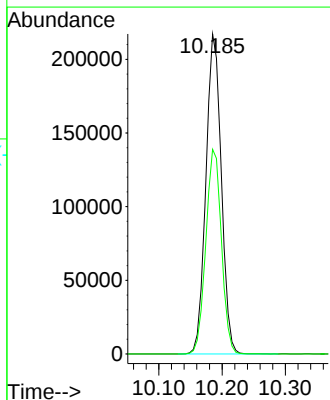
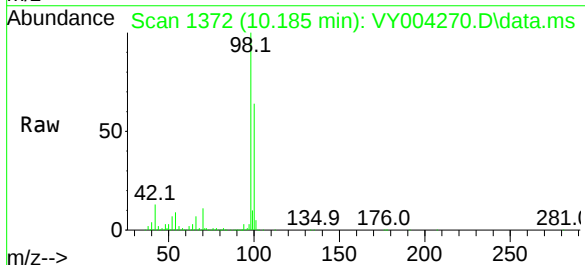
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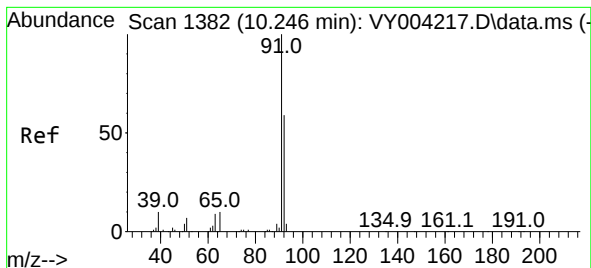
Tgt Ion: 78 Resp: 14048
Ion Ratio Lower Upper
78 100
77 21.3 18.3 27.5



#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

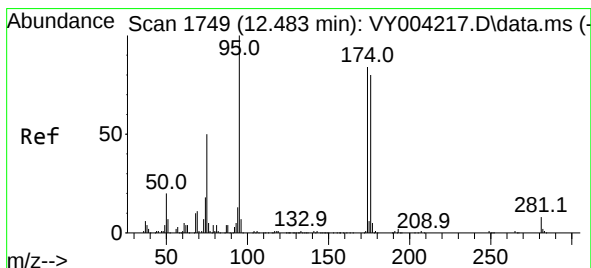
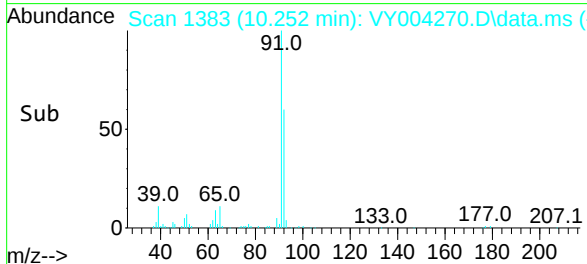
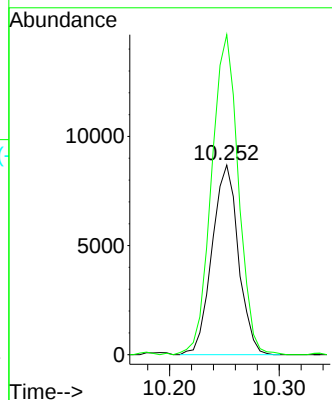
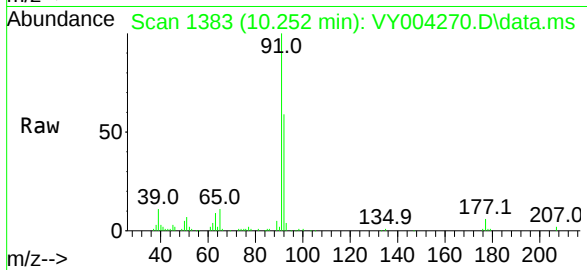
Acq: 02 Apr 2021 18:08

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

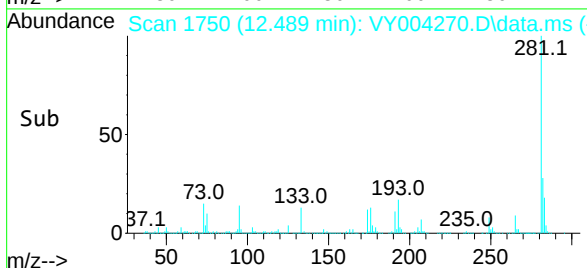
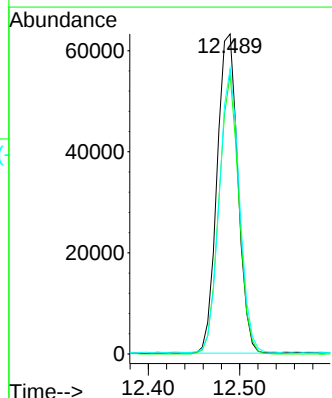
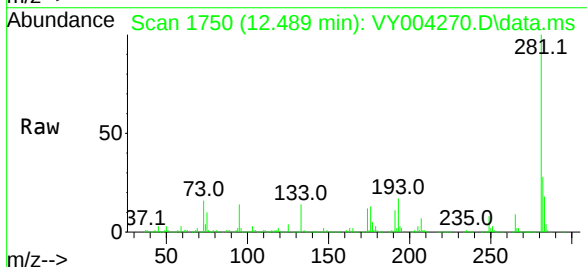
Tgt Ion: 95 Resp: 100006

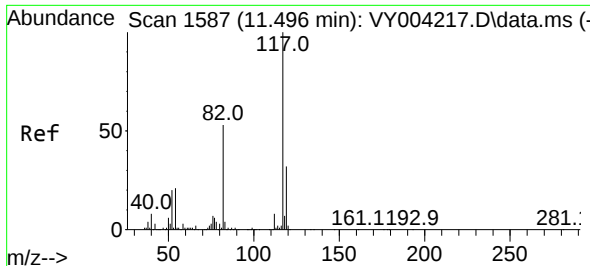
Ion Ratio Lower Upper

95 100

174 83.3 0.0 171.4

176 86.2 0.0 165.6

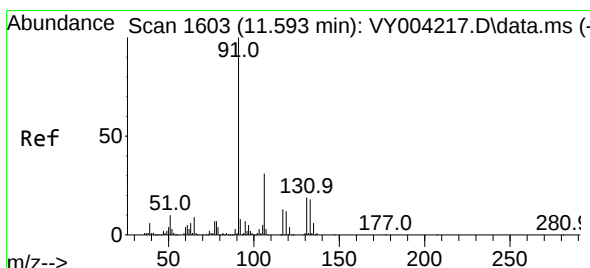
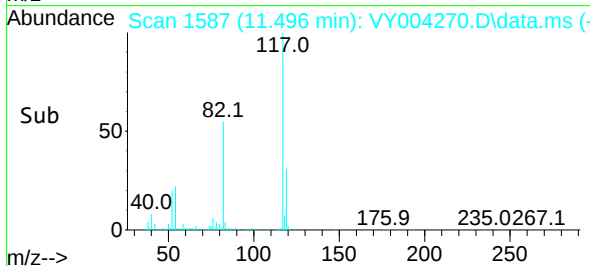
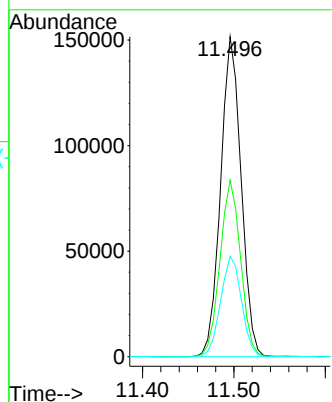
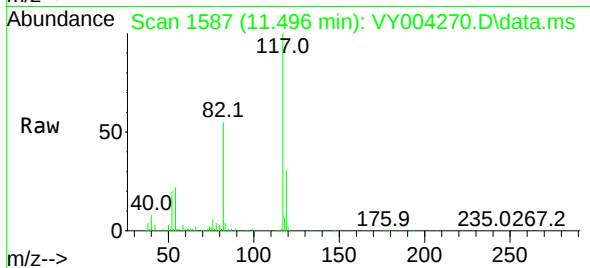




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VY004270.D
Acq: 02 Apr 2021 18:08

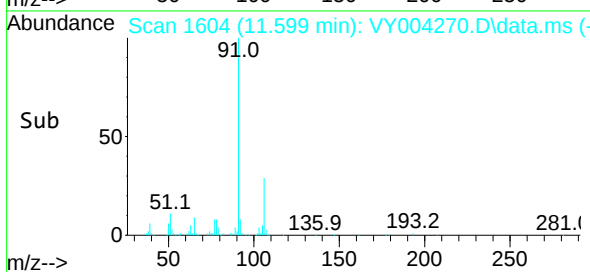
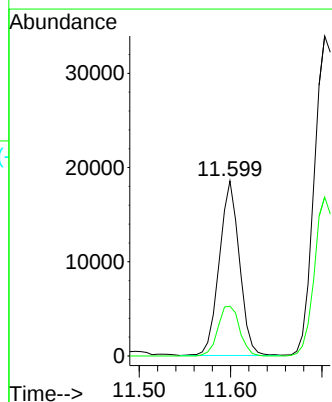
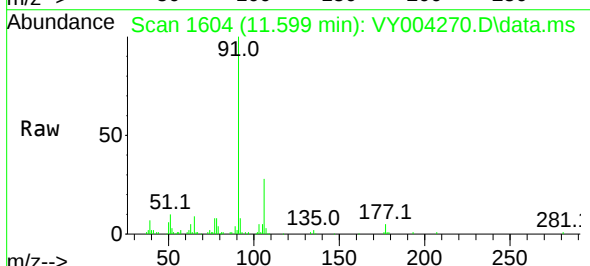
Instrument :
MSVOA_Y
ClientSampleId :
SB-5(3.0-3.5)

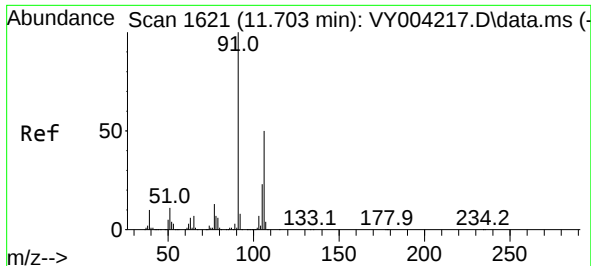
Tgt Ion:	117	Resp:	236805
Ion	Ratio	Lower	Upper
117	100		
82	55.1	42.7	64.1
119	31.4	25.7	38.5



#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

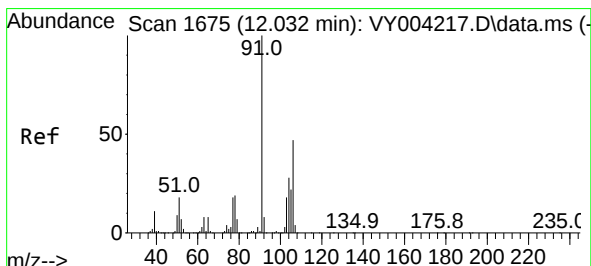
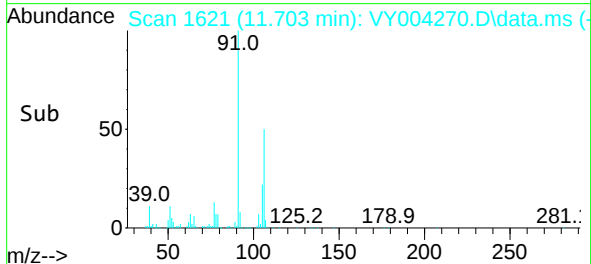
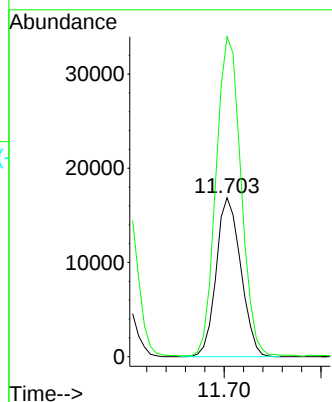
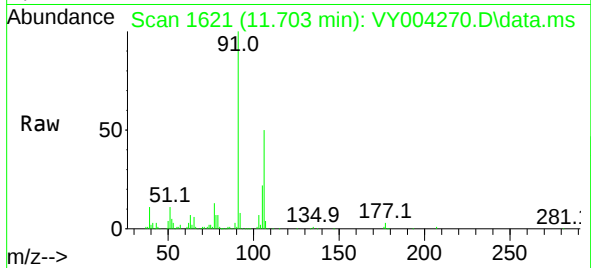




#68
m/p-Xylenes
Concen: 9.04 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. 0.000 min
Lab File: VY004270.D
Acq: 02 Apr 2021 18:08

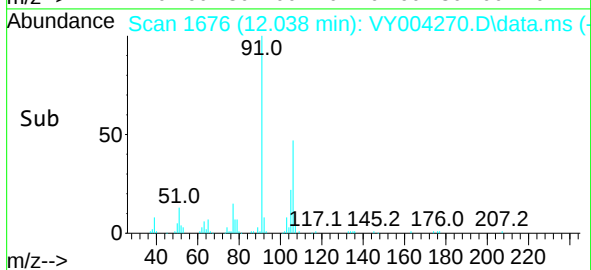
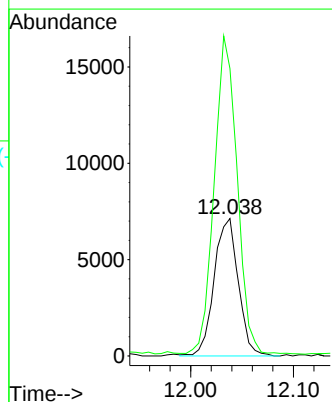
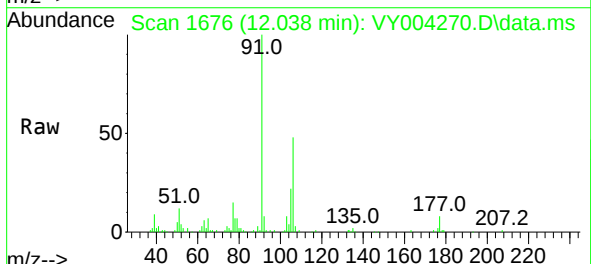
Instrument :
MSVOA_Y
ClientSampleId :
SB-5(3.0-3.5)

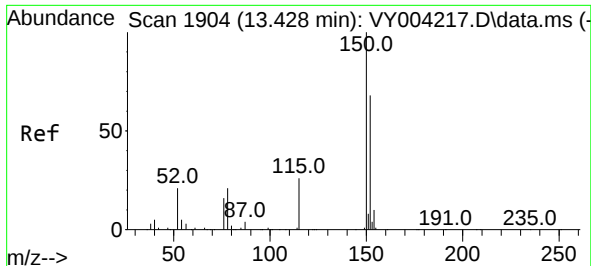
Tgt Ion:106 Resp: 29781
Ion Ratio Lower Upper
106 100
91 204.3 159.8 239.6



#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

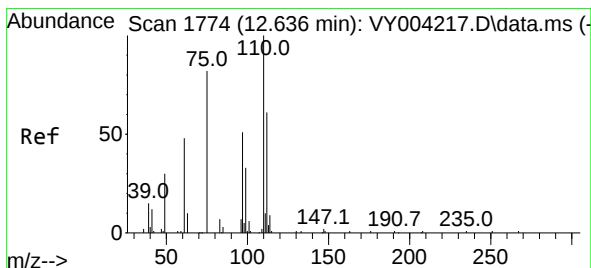
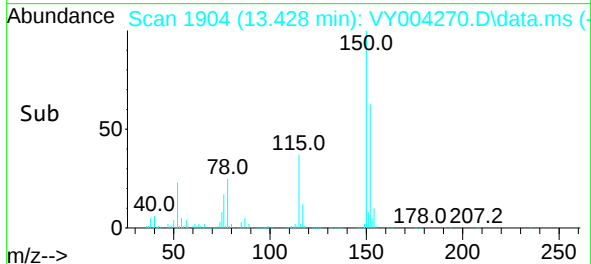
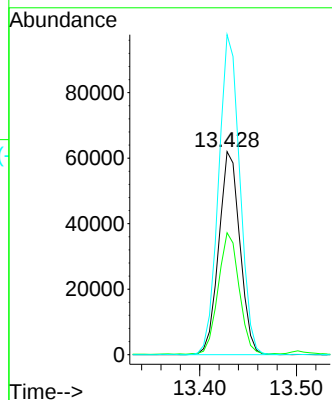
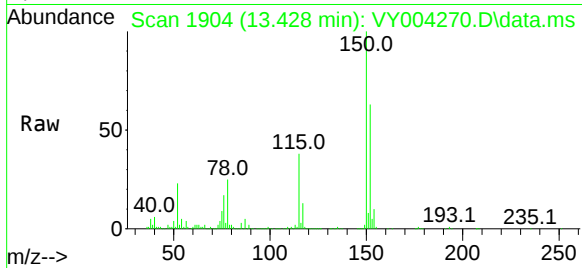




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY004270.D
Acq: 02 Apr 2021 18:08

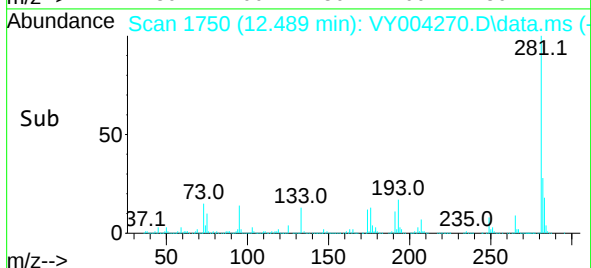
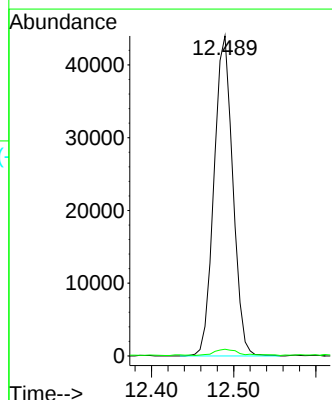
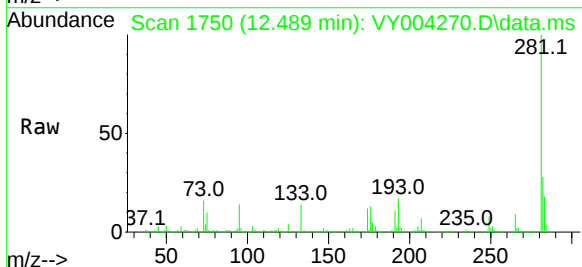
Instrument :
MSVOA_Y
ClientSampleId :
SB-5(3.0-3.5)

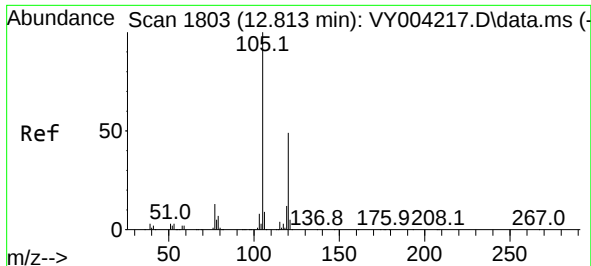
Tgt Ion:152 Resp: 93756
Ion Ratio Lower Upper
152 100
115 59.2 29.0 87.1
150 158.5 0.0 347.4



#76
1,2,3-Trichloropropane
Concen: 82.02 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.146 min
Lab File: VY004270.D
Acq: 02 Apr 2021 18:08

Tgt Ion: 75 Resp: 69824
Ion Ratio Lower Upper
75 100
77 2.4 0.0 0.0#

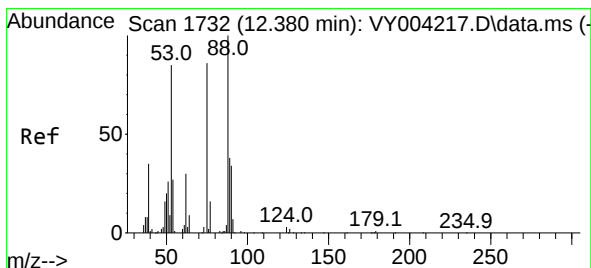
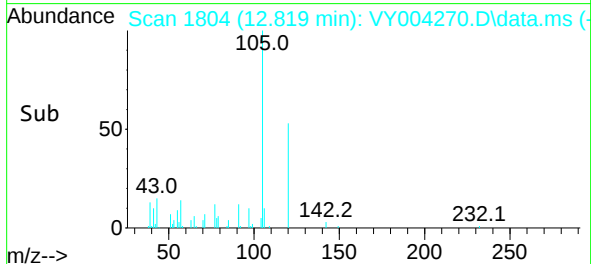
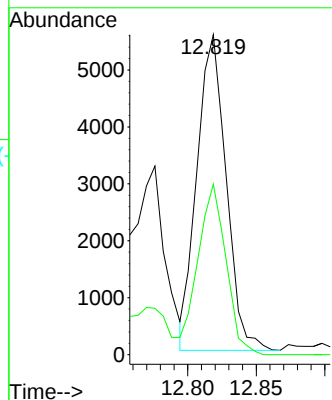
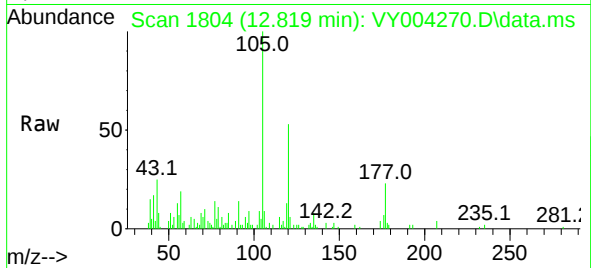




#80
1,3,5-Trimethylbenzene
Concen: 1.47 ug/l
RT: 12.819 min Scan# 1804
Delta R.T. 0.006 min
Lab File: VY004270.D
Acq: 02 Apr 2021 18:08

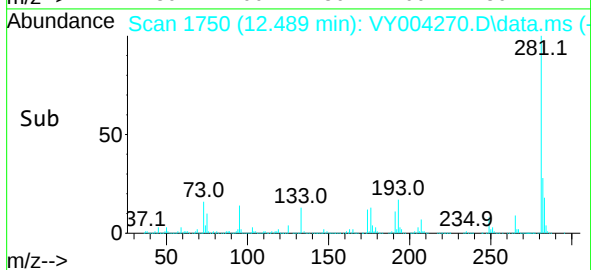
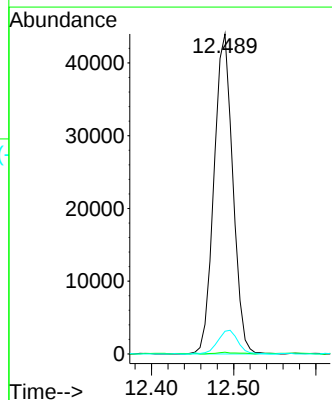
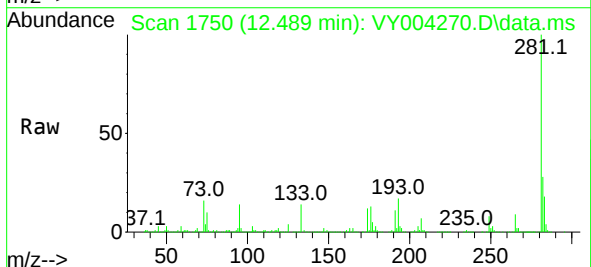
Instrument :
MSVOA_Y
ClientSampleId :
SB-5(3.0-3.5)

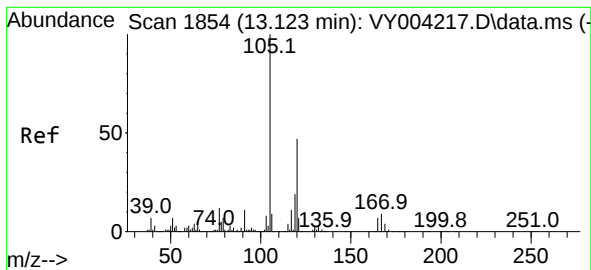
Tgt Ion:105 Resp: 8206
Ion Ratio Lower Upper
105 100
120 53.1 24.9 74.7



#81
trans-1,4-Dichloro-2-butene
Concen: 151.16 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.110 min
Lab File: VY004270.D
Acq: 02 Apr 2021 18:08

Tgt Ion: 75 Resp: 69824
Ion Ratio Lower Upper
75 100
53 0.6 79.3 118.9#
89 8.0 39.4 59.2#





#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

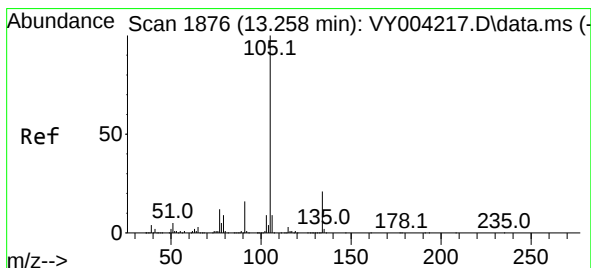
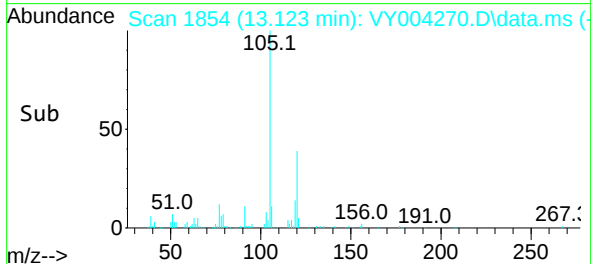
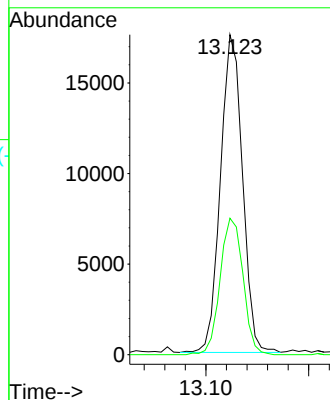
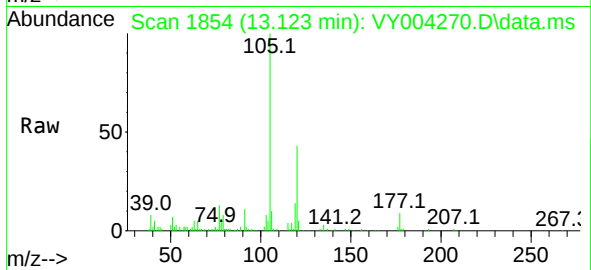
Acq: 02 Apr 2021 18:08

Tgt Ion:105 Resp: 26106

Ion Ratio Lower Upper

105 100

120 44.6 22.9 68.7



#85

sec-Butylbenzene

Concen: 3.93 ug/l

RT: 13.123 min Scan# 1854

Delta R.T. -0.134 min

Lab File: VY004270.D

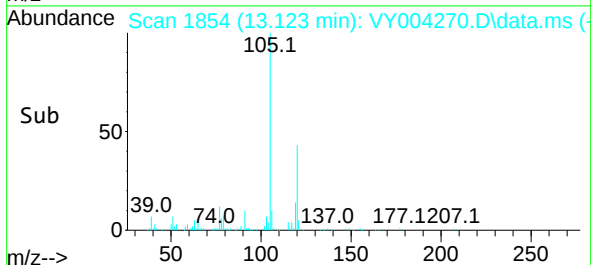
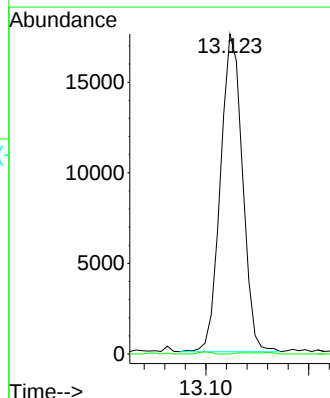
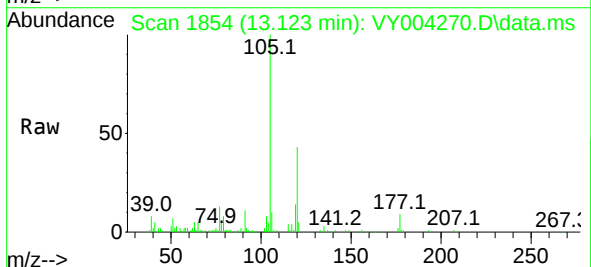
Acq: 02 Apr 2021 18:08

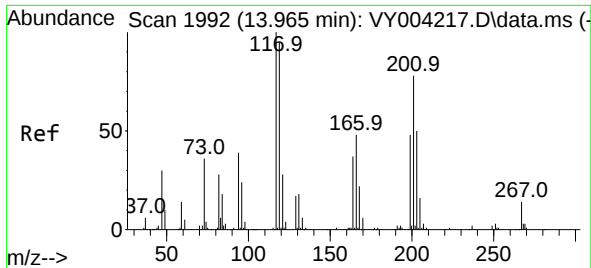
Tgt Ion:105 Resp: 26106

Ion Ratio Lower Upper

105 100

134 0.2 10.4 31.4#

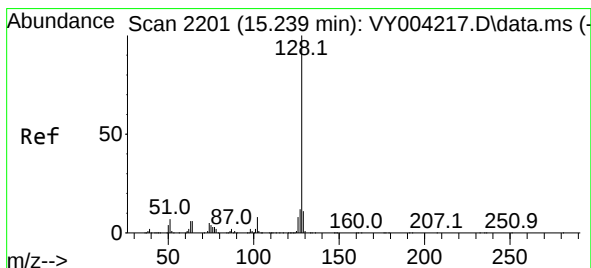
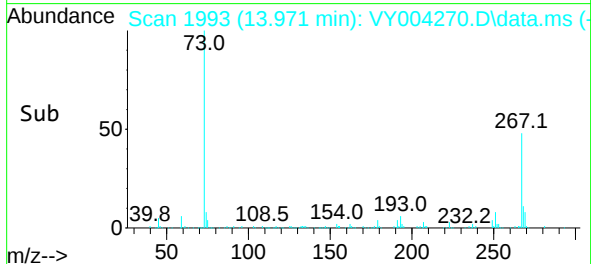
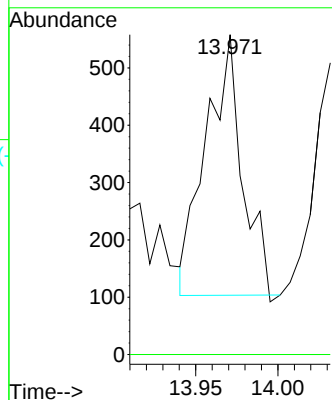
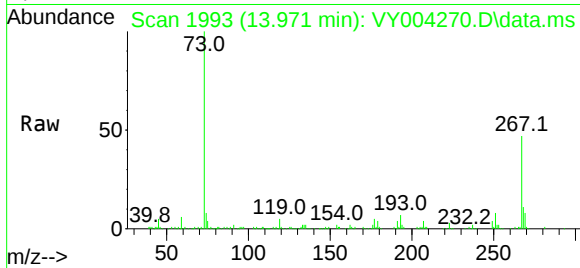




#90
Hexachloroethane
Concen: 8.37 ug/l
RT: 13.971 min Scan# 1993
Delta R.T. 0.006 min
Lab File: VY004270.D
Acq: 02 Apr 2021 18:08

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

Tgt Ion:117 Resp: 700
Ion Ratio Lower Upper
117 100
201 0.0 37.6 112.9#



#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

