

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040221\
 Data File : VY004269.D
 Acq On : 02 Apr 2021 17:45
 Operator : SY/MD
 Sample : M1908-06
 Misc : 5.82g/5mL/MSVOA_Y/SOIL
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-6(3.0-3.5)

Quant Time: Apr 02 23:03:17 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

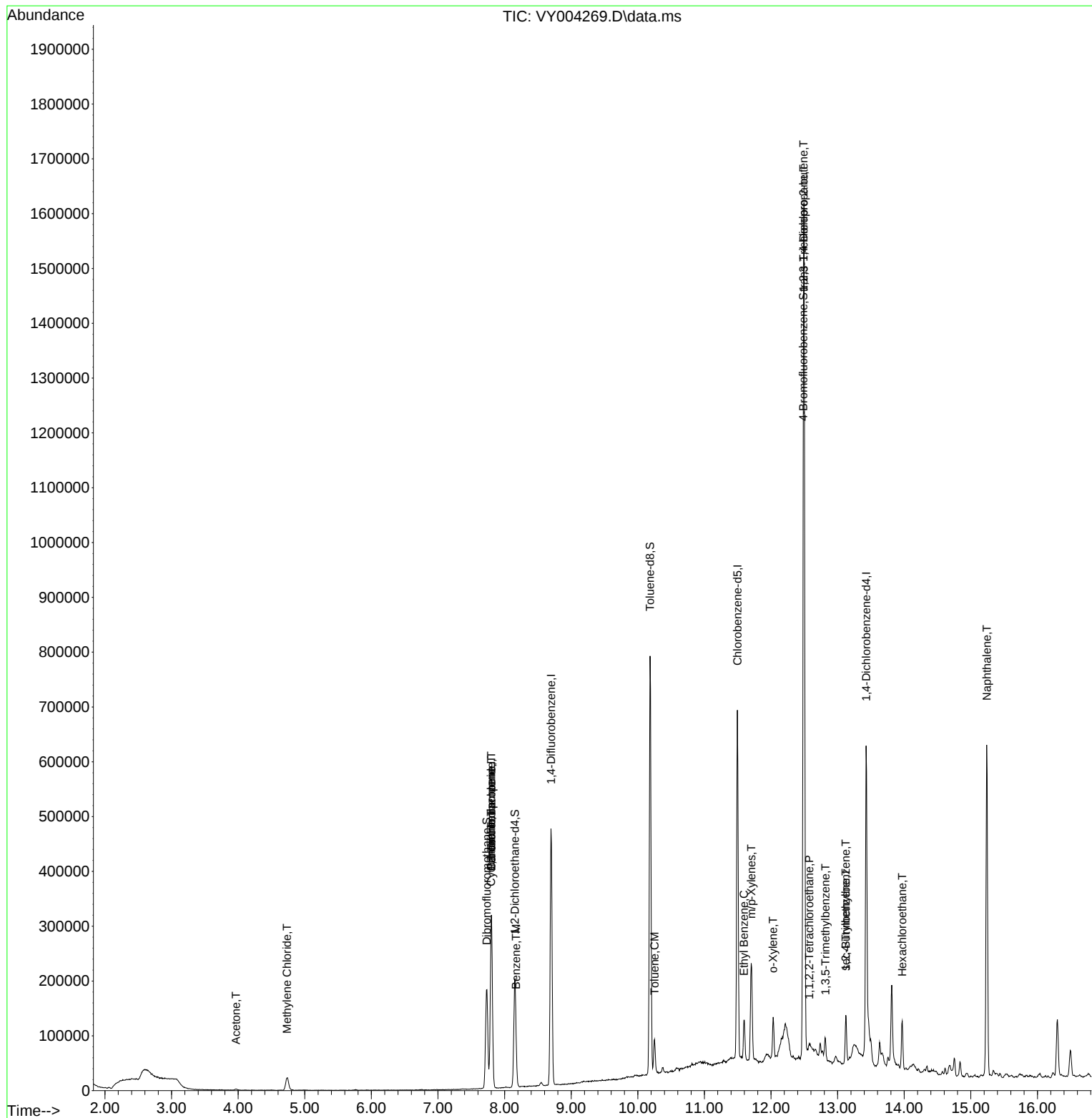
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.801	168	244055	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	394822	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	330603	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	137040	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	144842	61.74	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 123.48%	
35) Dibromofluoromethane	7.734	113	129907	59.05	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 118.10%	
50) Toluene-d8	10.185	98	485917	58.73	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 117.46%	
62) 4-Bromofluorobenzene	12.483	95	149357	52.67	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 105.34%	
Target Compounds						Qvalue
13) Acrolein	3.741	56	173	Below Cal	#	1
16) Acetone	3.966	43	3361	6.88	ug/l	# 77
20) Methylene Chloride	4.734	84	17660	5.11	ug/l	# 98
31) Cyclohexane	7.795	56	5690	1.37	ug/l	# 25
36) 1,1-Dichloropropene	7.801	75	18869	5.24	ug/l	# 49
38) Carbon Tetrachloride	7.801	117	24101	7.69	ug/l	# 17
40) Benzene	8.173	78	23925	2.34	ug/l	# 99
49) 1,4-Dioxane	9.313	88	236	Below Cal	#	84
52) Toluene	10.252	92	24945	3.80	ug/l	# 94
67) Ethyl Benzene	11.593	91	50550	4.22	ug/l	# 96
68) m/p-Xylenes	11.703	106	53642	11.67	ug/l	# 99
69) o-Xylene	12.032	106	20245	4.71	ug/l	# 96
75) 1,1,2,2-Tetrachloroethane	12.575	83	3107	1.68	ug/l	# 38
76) 1,2,3-Trichloropropane	12.489	75	88458	71.08	ug/l	# 100
80) 1,3,5-Trimethylbenzene	12.818	105	13623	1.67	ug/l	# 99
81) trans-1,4-Dichloro-2-b...	12.489	75	88458	131.01	ug/l	# 13
84) 1,2,4-Trimethylbenzene	13.123	105	44031	5.37	ug/l	# 99
85) sec-Butylbenzene	13.123	105	44031	4.53	ug/l	# 55
90) Hexachloroethane	13.971	117	1227	8.59	ug/l	# 12
95) Naphthalene	15.239	128	479870	81.08	ug/l	# 99

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

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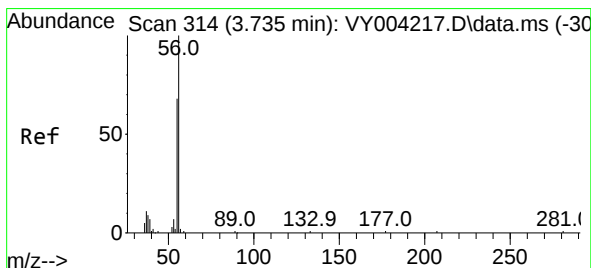
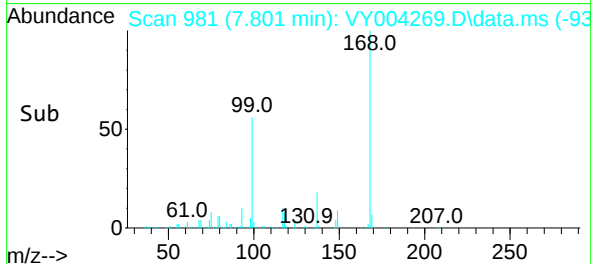
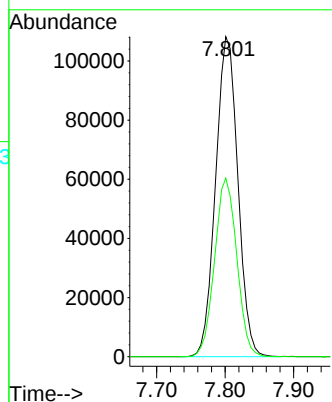
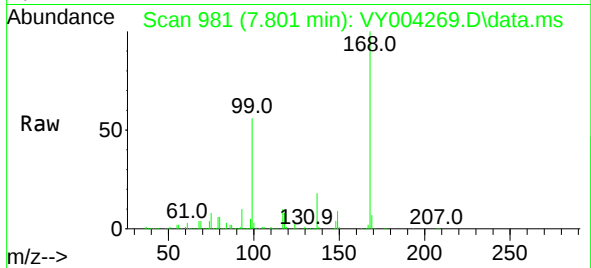




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.000 min
Lab File: VY004269.D
Acq: 02 Apr 2021 17:45

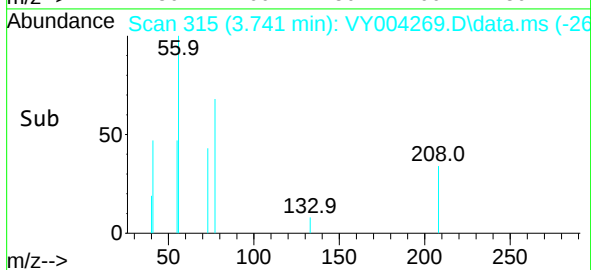
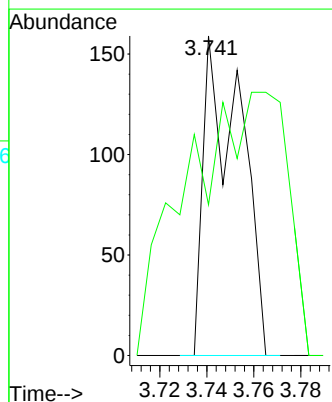
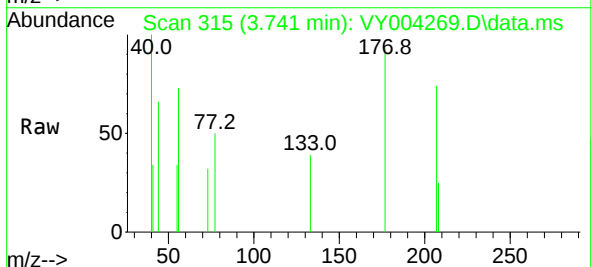
Instrument :
MSVOA_Y
ClientSampleId :
SB-6(3.0-3.5)

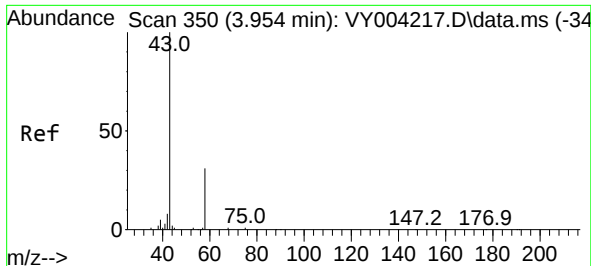
Tgt Ion:168 Resp: 244055
Ion Ratio Lower Upper
168 100
99 55.8 42.6 64.0



#13
Acrolein
Concen: Below Cal
RT: 3.741 min Scan# 315
Delta R.T. 0.006 min
Lab File: VY004269.D
Acq: 02 Apr 2021 17:45

Tgt Ion: 56 Resp: 173
Ion Ratio Lower Upper
56 100
55 224.9 55.0 82.4#

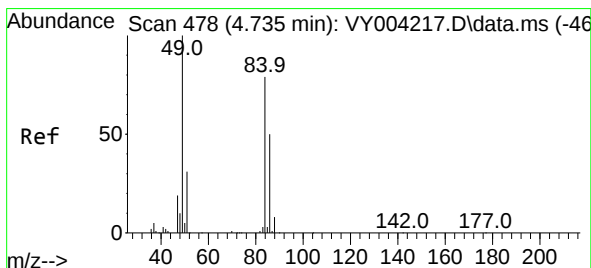
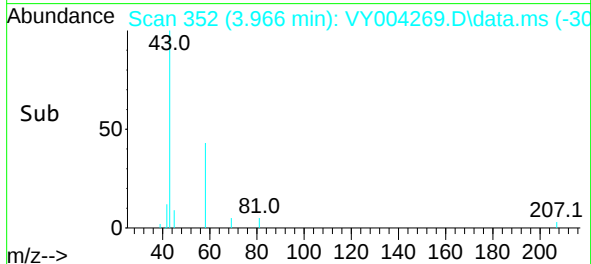
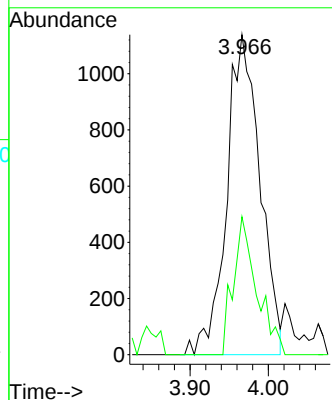
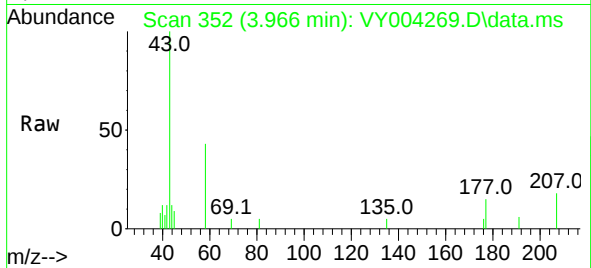




#16
Acetone
Concen: 6.88 ug/l
RT: 3.966 min Scan# 352
Delta R.T. 0.012 min
Lab File: VY004269.D
Acq: 02 Apr 2021 17:45

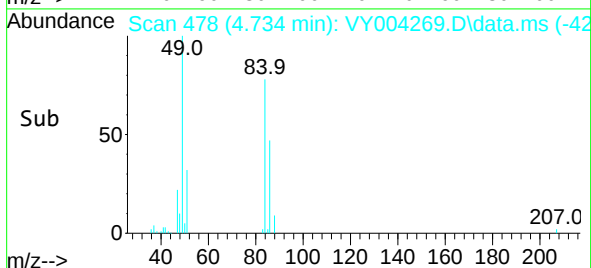
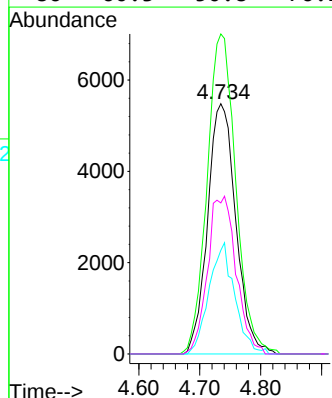
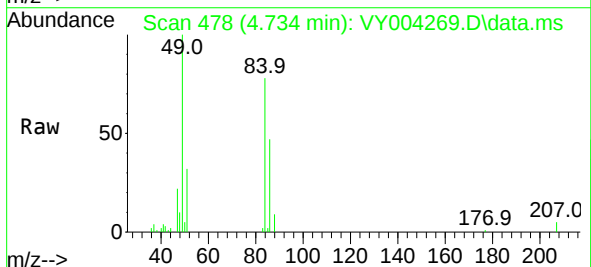
Instrument :
MSVOA_Y
ClientSampleId :
SB-6(3.0-3.5)

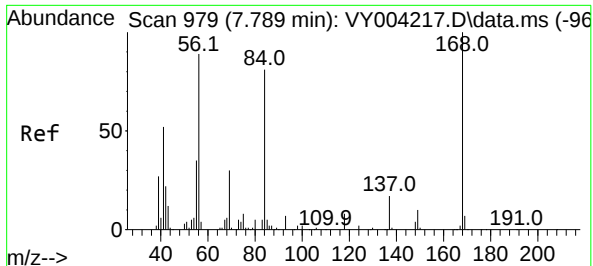
Tgt Ion: 43 Resp: 3361
Ion Ratio Lower Upper
43 100
58 43.1 24.5 36.7#



#20
Methylene Chloride
Concen: 5.11 ug/l
RT: 4.734 min Scan# 478
Delta R.T. -0.001 min
Lab File: VY004269.D
Acq: 02 Apr 2021 17:45

Tgt Ion: 84 Resp: 17660
Ion Ratio Lower Upper
84 100
49 127.9 101.5 152.3
51 41.4 31.5 47.3
86 60.3 50.8 76.2

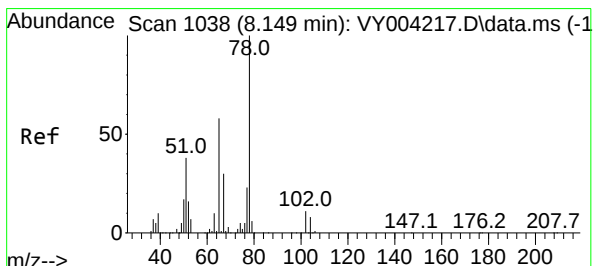
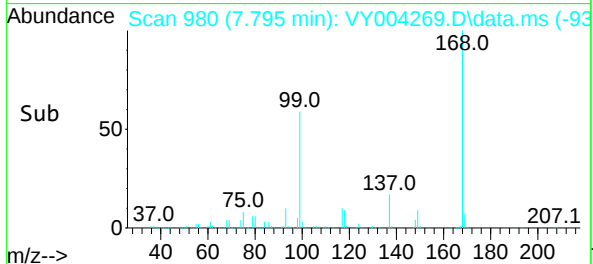
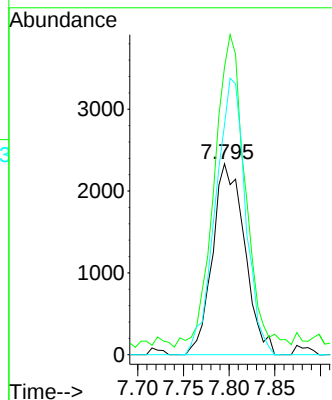
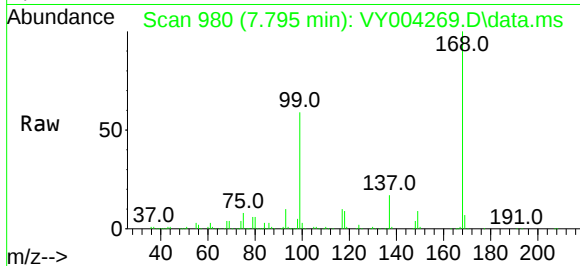




#31
Cyclohexane
Concen: 1.37 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.006 min
Lab File: VY004269.D
Acq: 02 Apr 2021 17:45

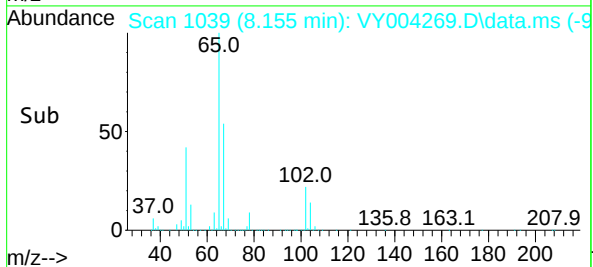
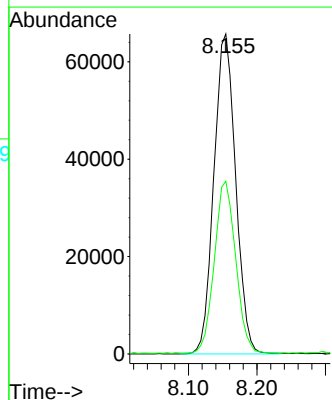
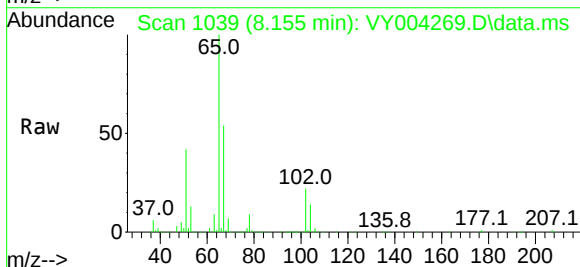
Instrument :
MSVOA_Y
ClientSampleId :
SB-6(3.0-3.5)

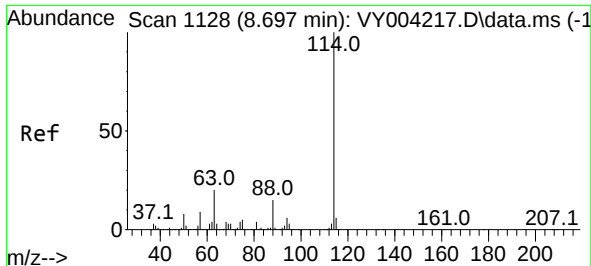
Tgt Ion: 56 Resp: 5690
Ion Ratio Lower Upper
56 100
69 142.8 26.6 40.0#
84 120.4 72.3 108.5#



#33
1,2-Dichloroethane-d4
Concen: 61.74 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.006 min
Lab File: VY004269.D
Acq: 02 Apr 2021 17:45

Tgt Ion: 65 Resp: 144842
Ion Ratio Lower Upper
65 100
67 53.0 0.0 103.2

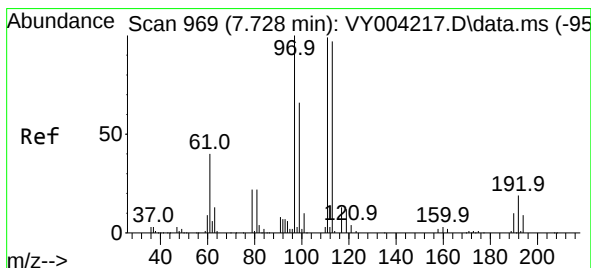
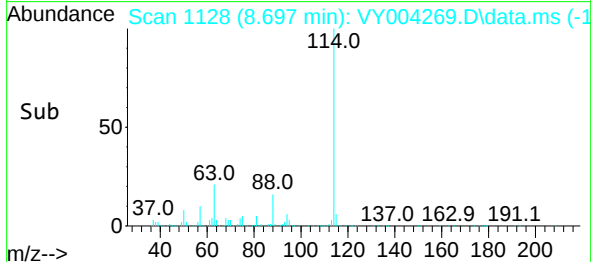
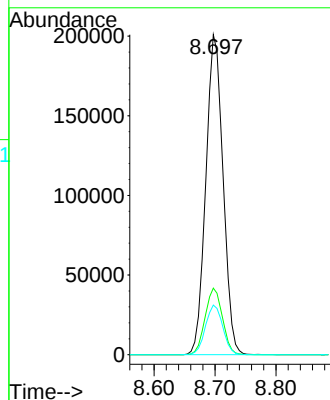
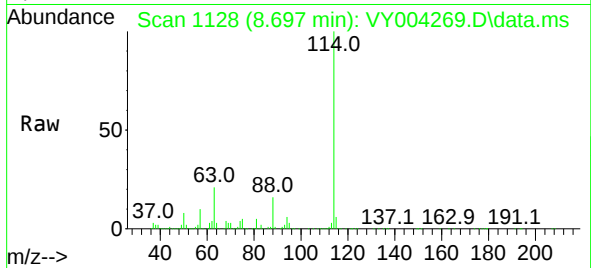




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY004269.D
Acq: 02 Apr 2021 17:45

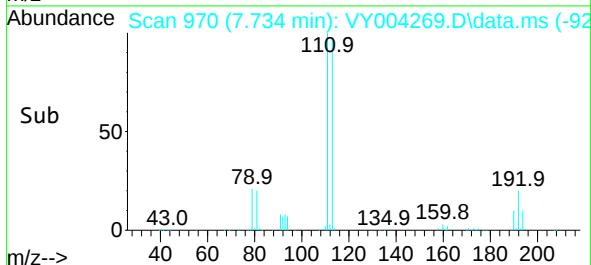
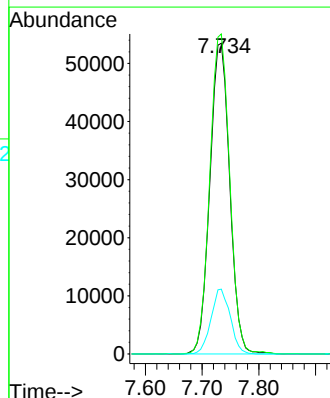
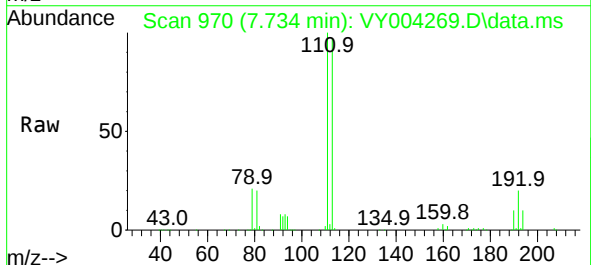
Instrument :
MSVOA_Y
ClientSampleId :
SB-6(3.0-3.5)

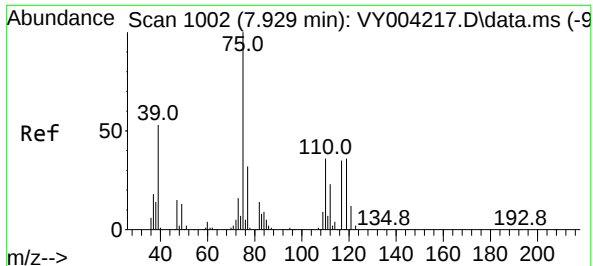
Tgt Ion:114 Resp: 394822
Ion Ratio Lower Upper
114 100
63 20.8 0.0 40.4
88 15.5 0.0 30.8



#35
Dibromofluoromethane
Concen: 59.05 ug/l
RT: 7.734 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY004269.D
Acq: 02 Apr 2021 17:45

Tgt Ion:113 Resp: 129907
Ion Ratio Lower Upper
113 100
111 103.4 82.6 124.0
192 20.2 16.4 24.6

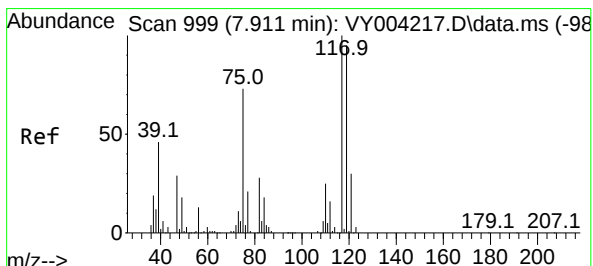
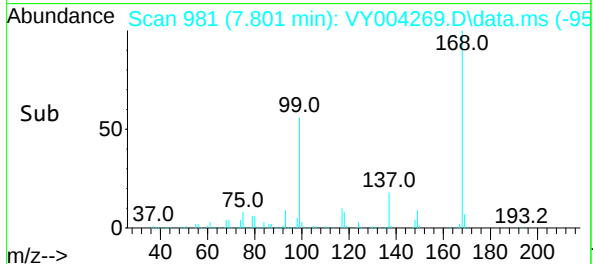
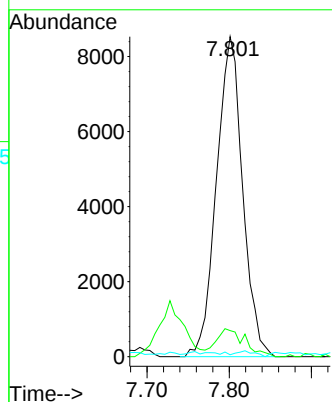
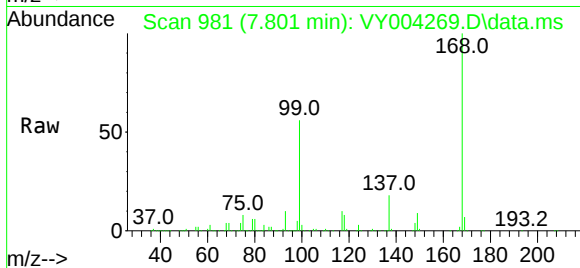




#36
1,1-Dichloropropene
Concen: 5.24 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.128 min
Lab File: VY004269.D
Acq: 02 Apr 2021 17:45

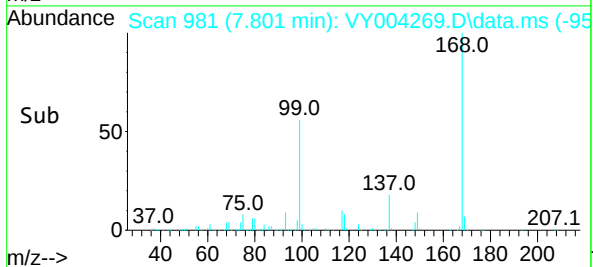
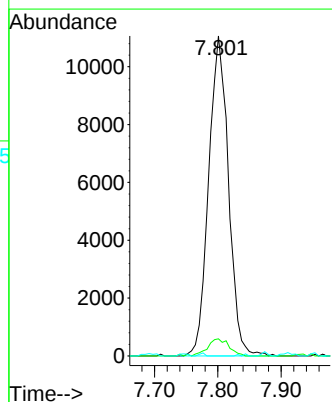
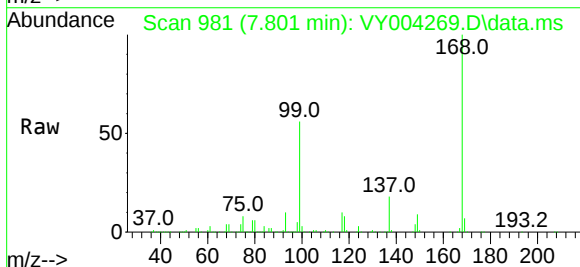
Instrument :
MSVOA_Y
ClientSampleId :
SB-6(3.0-3.5)

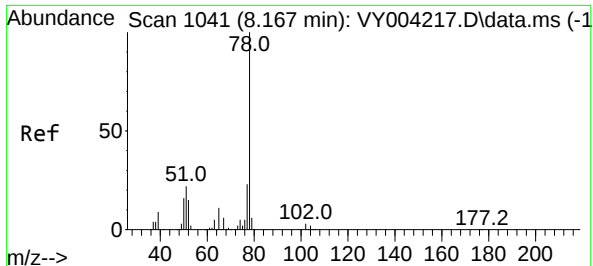
Tgt Ion: 75	Resp: 18869
Ion Ratio	Lower Upper
75 100	
110 9.6	18.1 54.3#
77 0.0	25.1 37.7#



#38
Carbon Tetrachloride
Concen: 7.69 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.110 min
Lab File: VY004269.D
Acq: 02 Apr 2021 17:45

Tgt Ion: 117	Resp: 24101
Ion Ratio	Lower Upper
117 100	
119 5.4	75.6 113.4#
121 0.0	24.3 36.5#

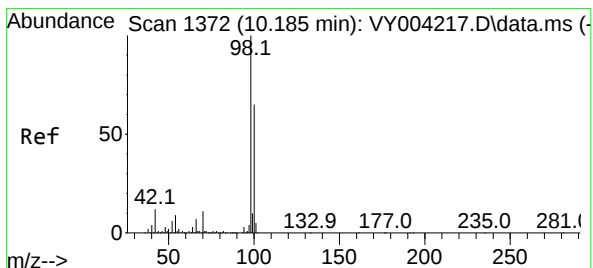
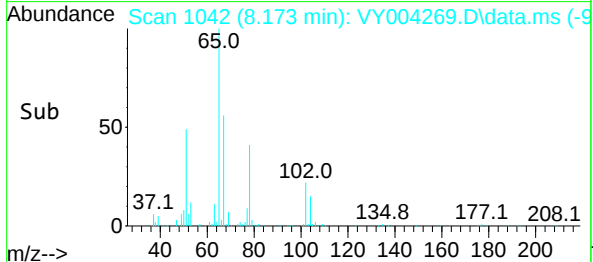
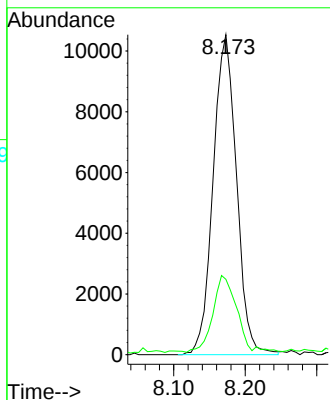
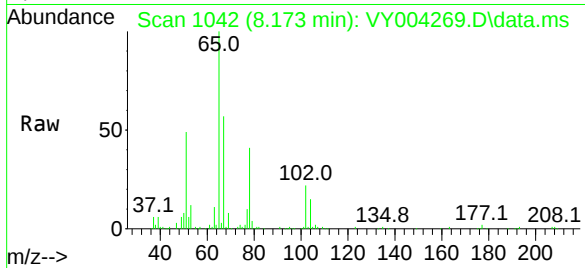




#40
Benzene
Concen: 2.34 ug/l
RT: 8.173 min Scan# 1042
Delta R.T. 0.006 min
Lab File: VY004269.D
Acq: 02 Apr 2021 17:45

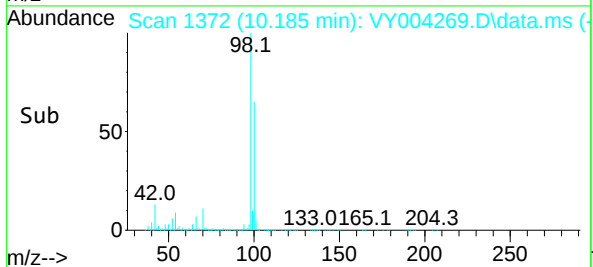
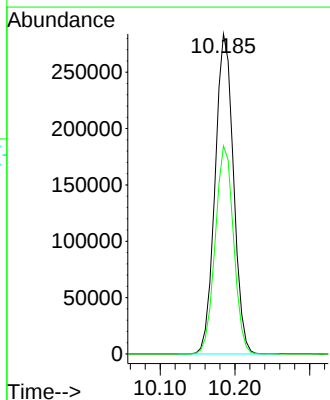
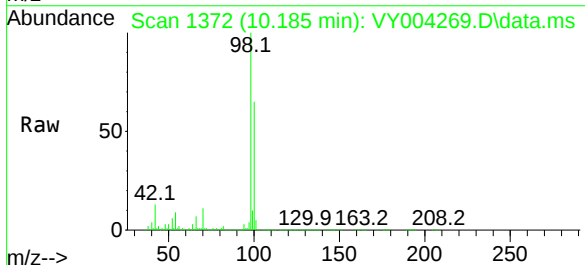
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MSVOA_Y
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SB-6(3.0-3.5)

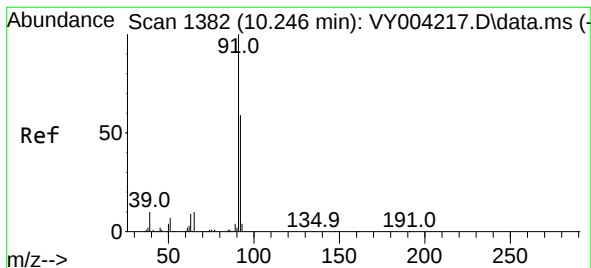
Tgt Ion: 78 Resp: 23925
Ion Ratio Lower Upper
78 100
77 22.5 18.3 27.5



#50
Toluene-d8
Concen: 58.73 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY004269.D
Acq: 02 Apr 2021 17:45

Tgt Ion: 98 Resp: 485917
Ion Ratio Lower Upper
98 100
100 64.9 52.5 78.7





#52

Toluene

Concen: 3.80 ug/l

RT: 10.252 min Scan# 1383

Delta R.T. 0.006 min

Lab File: VY004269.D

Acq: 02 Apr 2021 17:45

Tgt Ion: 92 Resp: 24945

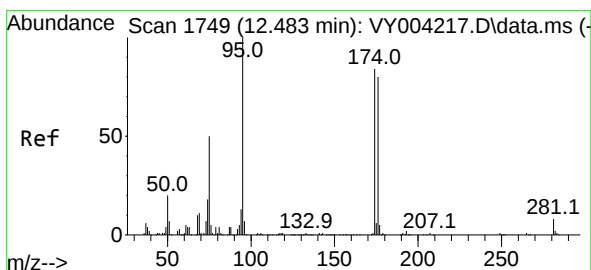
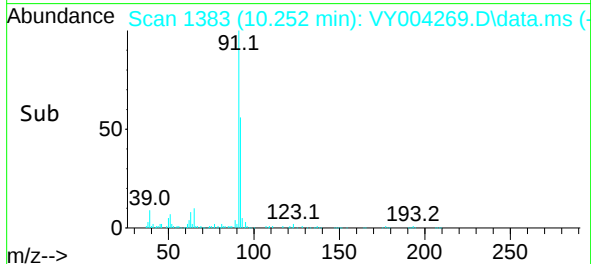
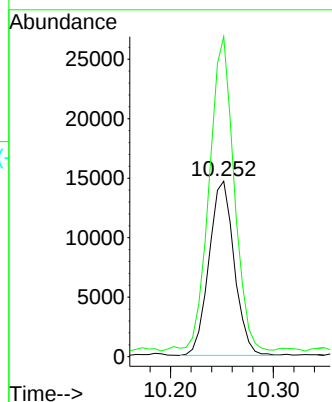
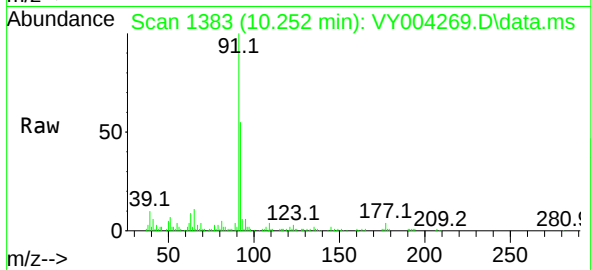
Ion	Ratio	Lower	Upper
92	100		
91	178.0	136.0	204.0

Instrument :

MSVOA_Y

ClientSampleId :

SB-6(3.0-3.5)



#62

4-Bromofluorobenzene

Concen: 52.67 ug/l

RT: 12.483 min Scan# 1749

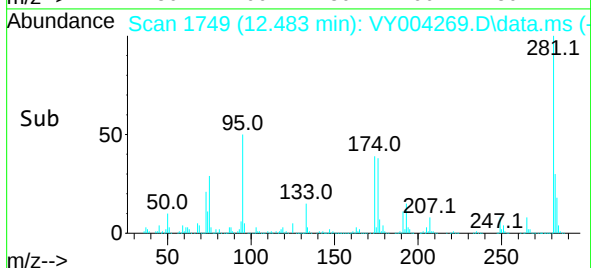
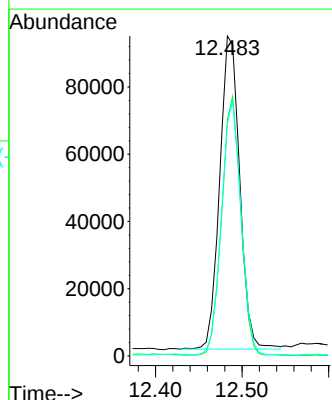
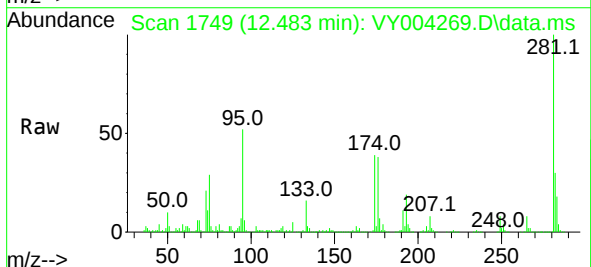
Delta R.T. -0.000 min

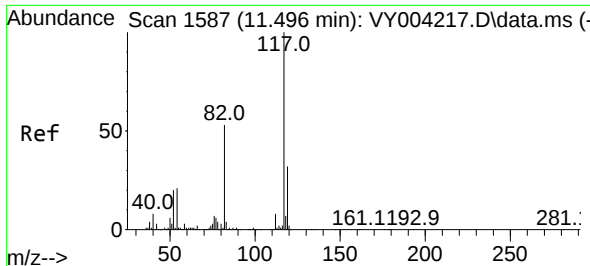
Lab File: VY004269.D

Acq: 02 Apr 2021 17:45

Tgt Ion: 95 Resp: 149357

Ion	Ratio	Lower	Upper
95	100		
174	79.0	0.0	171.4
176	79.2	0.0	165.6

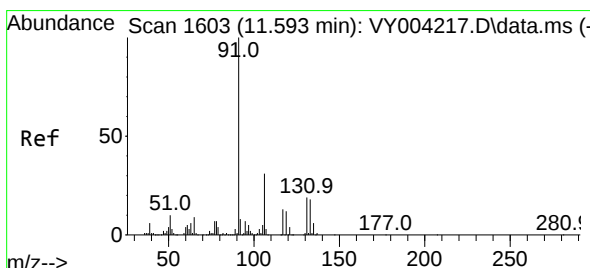
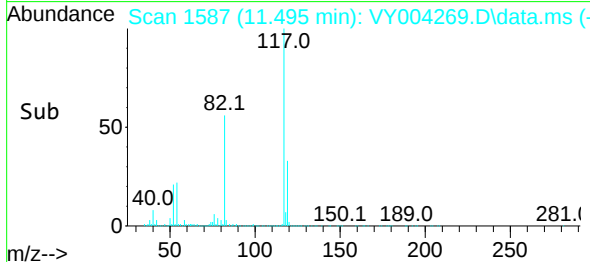
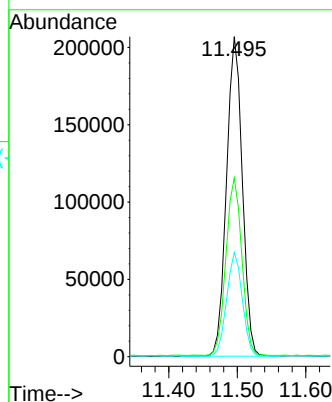
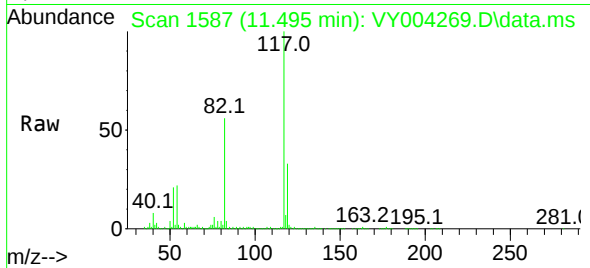




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY004269.D
Acq: 02 Apr 2021 17:45

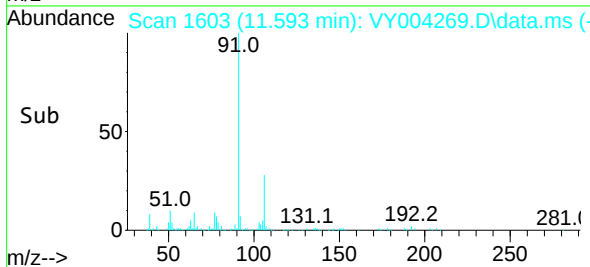
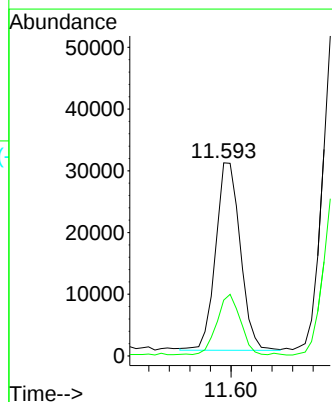
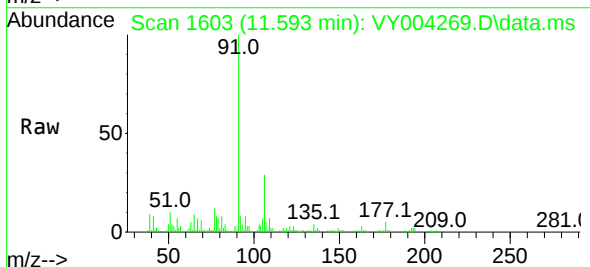
Instrument :
MSVOA_Y
ClientSampleId :
SB-6(3.0-3.5)

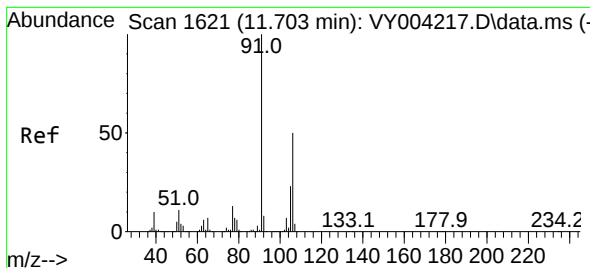
Tgt Ion:117	Resp: 330603
Ion Ratio	Lower Upper
117 100	
82 55.6	42.7 64.1
119 32.5	25.7 38.5



#67
Ethyl Benzene
Concen: 4.22 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. -0.000 min
Lab File: VY004269.D
Acq: 02 Apr 2021 17:45

Tgt Ion: 91	Resp: 50550
Ion Ratio	Lower Upper
91 100	
106 29.1	25.0 37.6

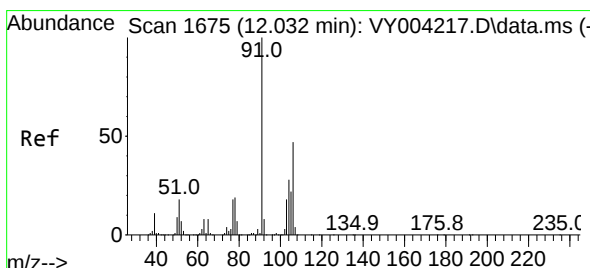
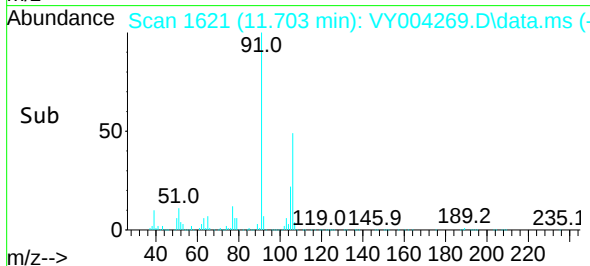
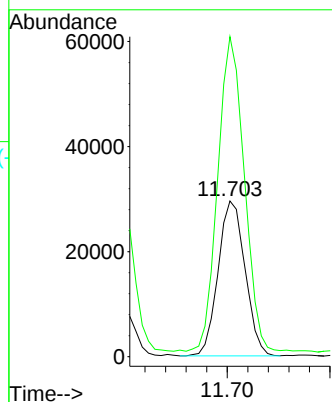
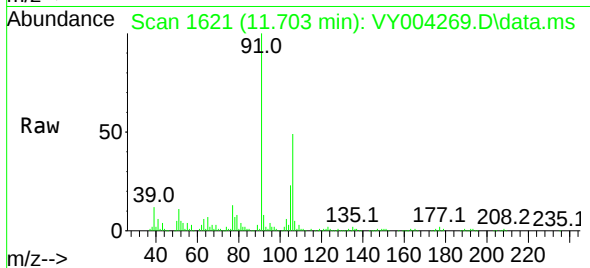




#68
m/p-Xylenes
Concen: 11.67 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. -0.000 min
Lab File: VY004269.D
Acq: 02 Apr 2021 17:45

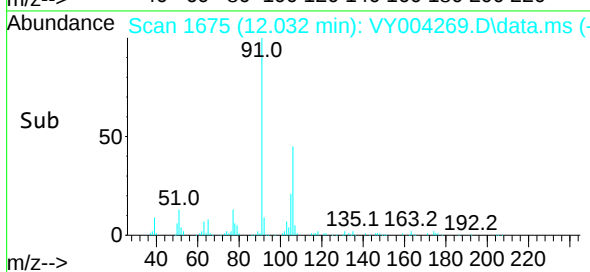
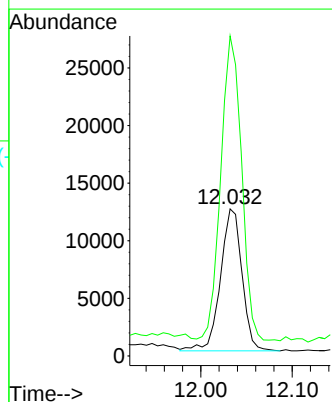
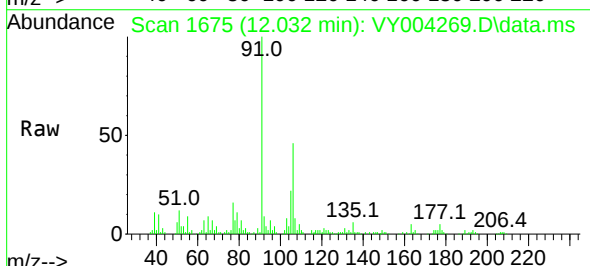
Instrument :
MSVOA_Y
ClientSampleId :
SB-6(3.0-3.5)

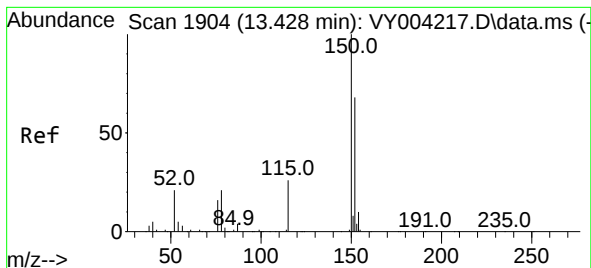
Tgt Ion:106 Resp: 53642
Ion Ratio Lower Upper
106 100
91 201.7 159.8 239.6



#69
o-Xylene
Concen: 4.71 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VY004269.D
Acq: 02 Apr 2021 17:45

Tgt Ion:106 Resp: 20245
Ion Ratio Lower Upper
106 100
91 205.7 105.6 316.8

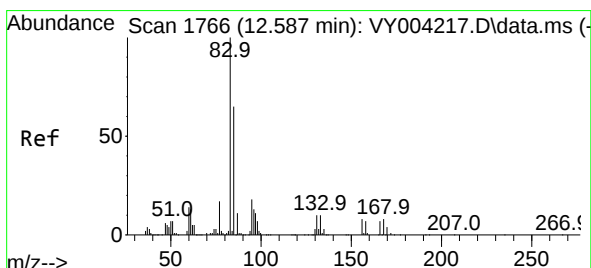
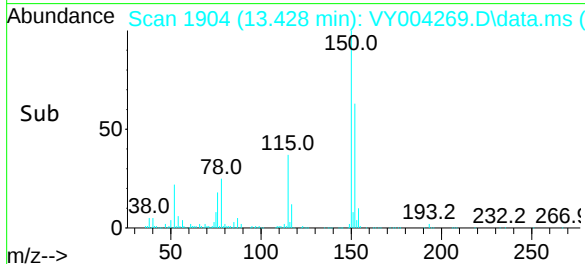
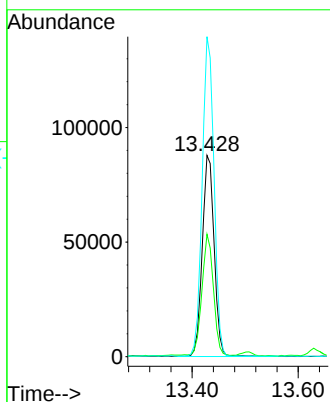
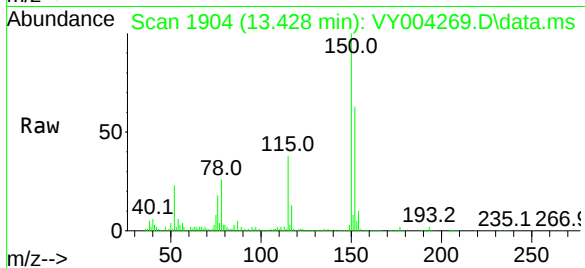




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. -0.000 min
 Lab File: VY004269.D
 Acq: 02 Apr 2021 17:45

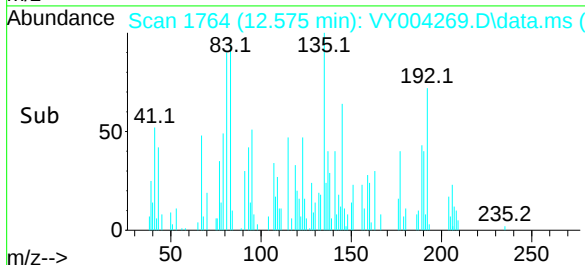
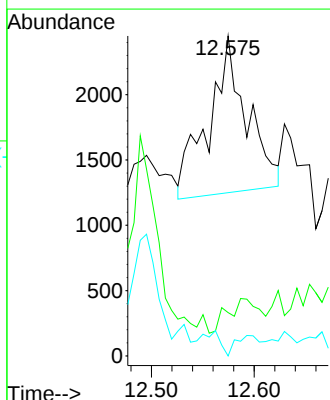
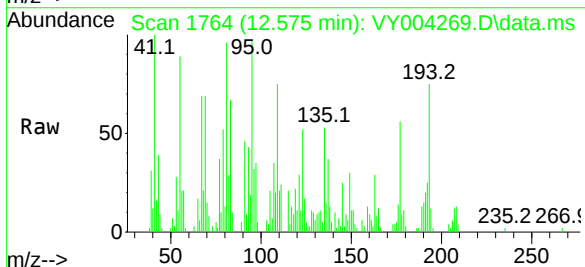
Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-6(3.0-3.5)

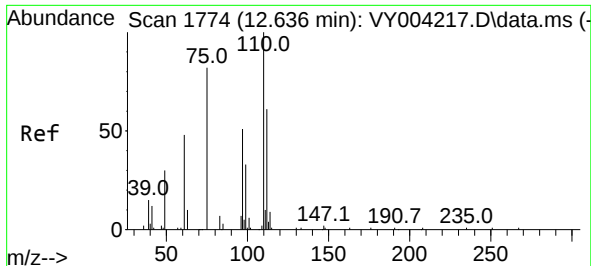
Tgt Ion:152 Resp: 137040
 Ion Ratio Lower Upper
 152 100
 115 57.6 29.0 87.1
 150 156.9 0.0 347.4



#75
 1,1,2,2-Tetrachloroethane
 Concen: 1.68 ug/l
 RT: 12.575 min Scan# 1764
 Delta R.T. -0.012 min
 Lab File: VY004269.D
 Acq: 02 Apr 2021 17:45

Tgt Ion: 83 Resp: 3107
 Ion Ratio Lower Upper
 83 100
 131 18.2 5.6 16.8#
 85 8.9 31.8 95.4#

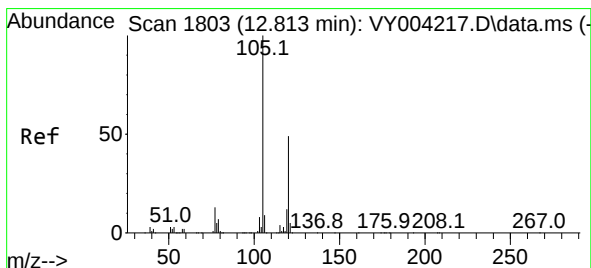
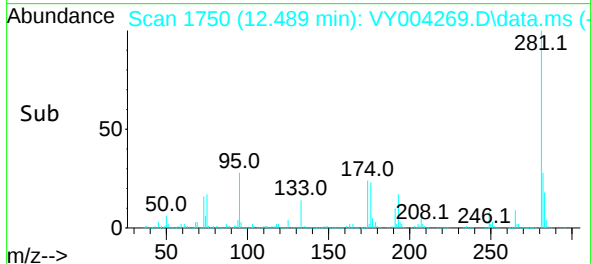
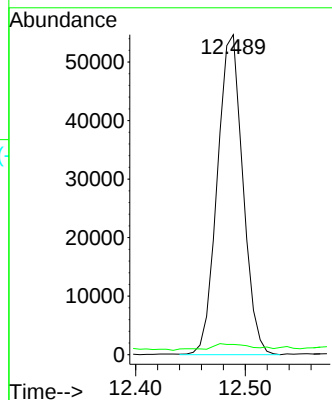
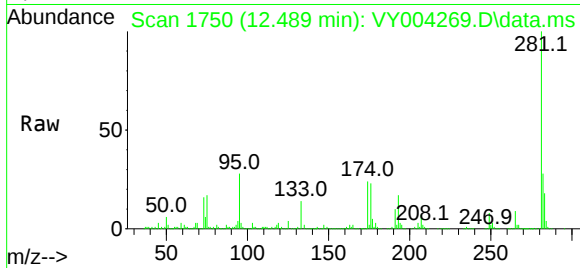




#76
1,2,3-Trichloropropane
Concen: 71.08 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. -0.147 min
Lab File: VY004269.D
Acq: 02 Apr 2021 17:45

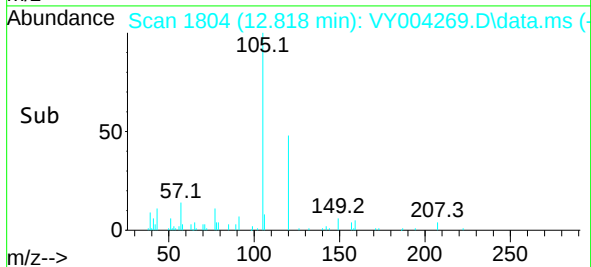
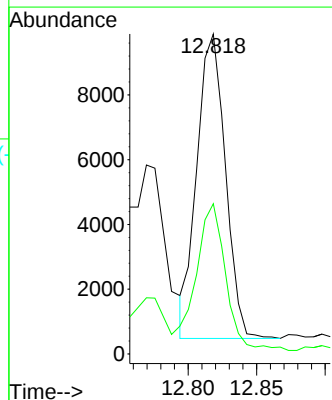
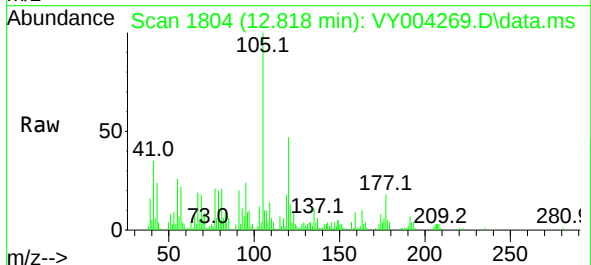
Instrument :
MSVOA_Y
ClientSampleId :
SB-6(3.0-3.5)

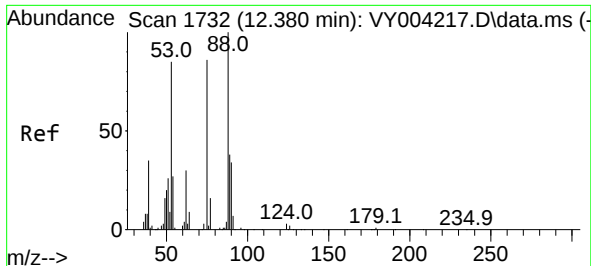
Tgt Ion: 75 Resp: 88458
Ion Ratio Lower Upper
75 100
77 2.5 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 1.67 ug/l
RT: 12.818 min Scan# 1804
Delta R.T. 0.006 min
Lab File: VY004269.D
Acq: 02 Apr 2021 17:45

Tgt Ion: 105 Resp: 13623
Ion Ratio Lower Upper
105 100
120 50.3 24.9 74.7

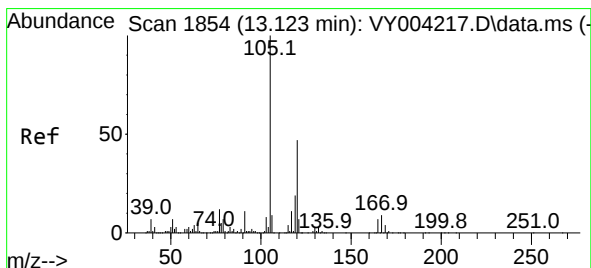
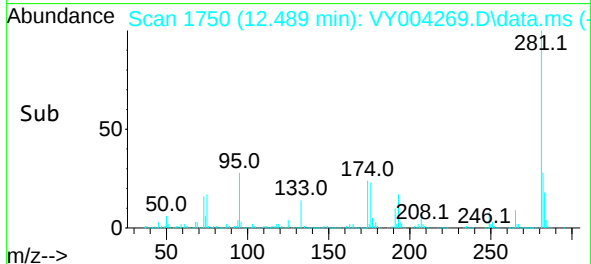
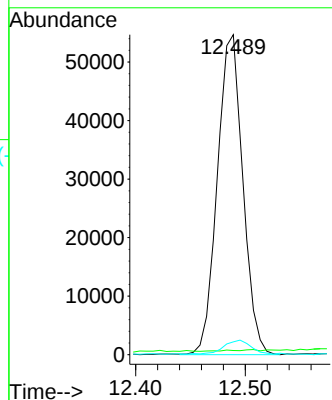
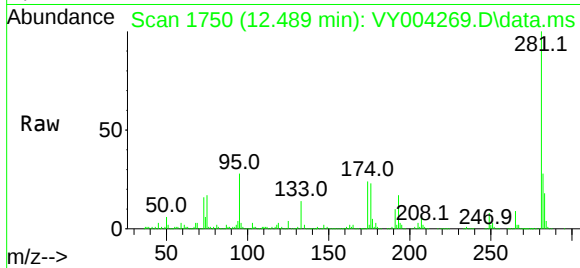




#81
trans-1,4-Dichloro-2-butene
Concen: 131.01 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.109 min
Lab File: VY004269.D
Acq: 02 Apr 2021 17:45

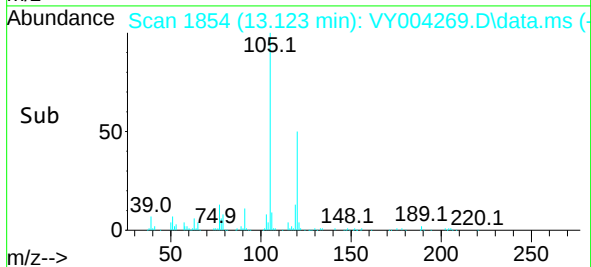
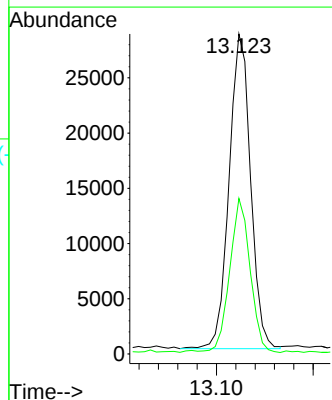
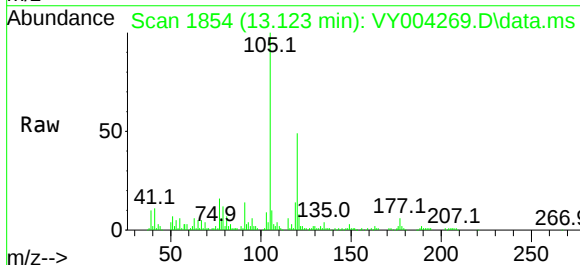
Instrument :
MSVOA_Y
ClientSampleId :
SB-6(3.0-3.5)

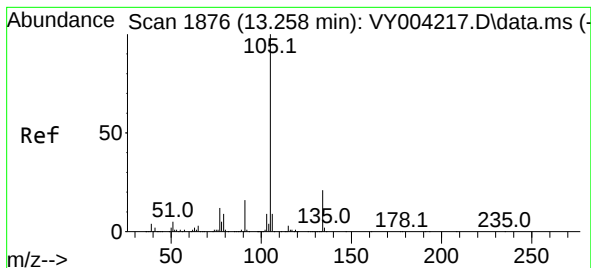
Tgt Ion: 75 Resp: 88458
Ion Ratio Lower Upper
75 100
53 0.6 79.3 118.9#
89 5.5 39.4 59.2#



#84
1,2,4-Trimethylbenzene
Concen: 5.37 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. -0.000 min
Lab File: VY004269.D
Acq: 02 Apr 2021 17:45

Tgt Ion: 105 Resp: 44031
Ion Ratio Lower Upper
105 100
120 46.4 22.9 68.7





#85

sec-Butylbenzene

Concen: 4.53 ug/l

RT: 13.123 min Scan# 1854

Delta R.T. -0.134 min

Lab File: VY004269.D

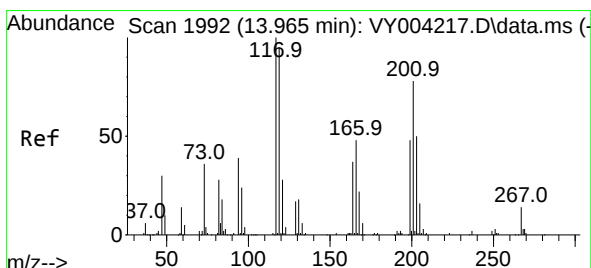
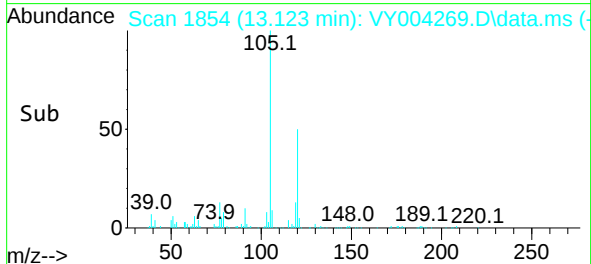
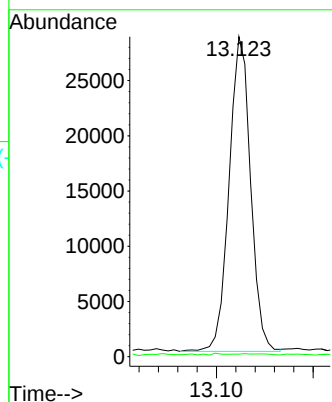
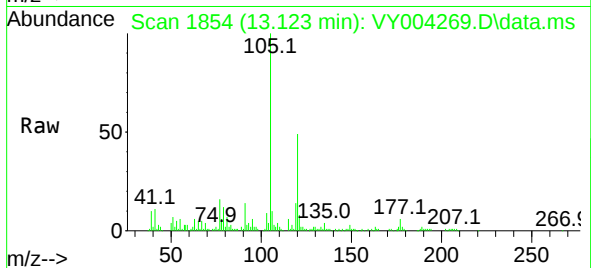
Acq: 02 Apr 2021 17:45

Tgt Ion:105 Resp: 44031

Ion Ratio Lower Upper

105 100

134 0.0 10.4 31.4#



#90

Hexachloroethane

Concen: 8.59 ug/l

RT: 13.971 min Scan# 1993

Delta R.T. 0.006 min

Lab File: VY004269.D

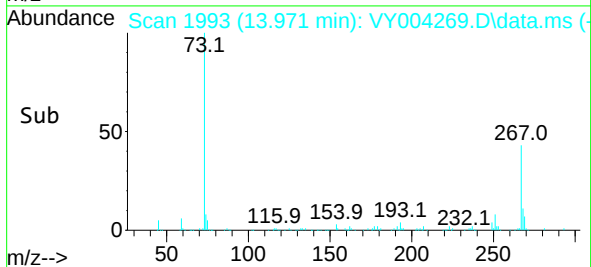
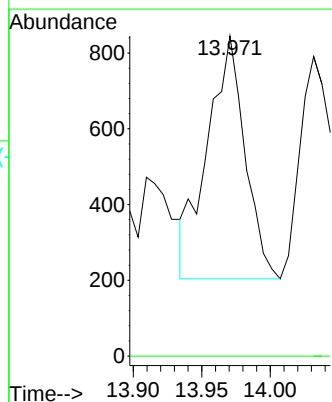
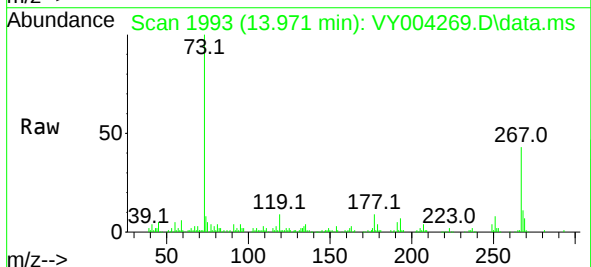
Acq: 02 Apr 2021 17:45

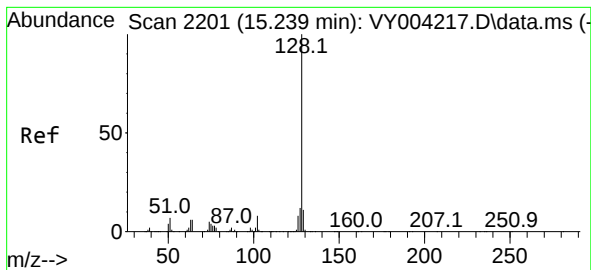
Tgt Ion:117 Resp: 1227

Ion Ratio Lower Upper

117 100

201 0.0 37.6 112.9#





#95
Naphthalene
Concen: 81.08 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY004269.D
Acq: 02 Apr 2021 17:45

Instrument :
MSVOA_Y
ClientSampleId :
SB-6(3.0-3.5)

Tgt Ion:128 Resp: 479870
Ion Ratio Lower Upper
128 100
127 13.1 10.1 15.1
129 11.1 8.9 13.3

