

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040921\
 Data File : VY004367.D
 Acq On : 09 Apr 2021 18:52
 Operator : SY/MD
 Sample : M1967-10
 Misc : 3.96G/5ML/MSVOA_Y/SOIL
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB1-B

Quant Time: Apr 10 02:06:08 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	221754	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	384242	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	362069	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	166323	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	141861	66.55	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 133.10%			
35) Dibromofluoromethane	7.728	113	112257	52.43	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.86%			
50) Toluene-d8	10.185	98	477388	59.28	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 118.56%			
62) 4-Bromofluorobenzene	12.483	95	166889	60.47	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 120.94%			
Target Compounds						Qvalue
4) Vinyl Chloride	2.223	62	11228	3.89	ug/l #	42
11) Tert butyl alcohol	4.979	59	2062	11.89	ug/l #	84
13) Acrolein	3.747	56	368	Below Cal	#	36
16) Acetone	3.960	43	122339	275.46	ug/l	100
17) Carbon Disulfide	4.204	76	30009	5.69	ug/l	99
20) Methylene Chloride	4.729	84	12904	3.59	ug/l	94
25) 2-Butanone	6.997	43	28048	37.80	ug/l	92
31) Cyclohexane	7.795	56	5667	1.50	ug/l #	23
36) 1,1-Dichloropropene	7.801	75	17571	5.01	ug/l #	49
37) Ethyl Acetate	6.997	43	28048	13.63	ug/l #	71
38) Carbon Tetrachloride	7.801	117	21888	7.18	ug/l #	16
51) 4-Methyl-2-Pentanone	10.075	43	6929	3.49	ug/l	97
52) Toluene	10.246	92	16954	2.65	ug/l	95
59) 2-Hexanone	10.837	43	2391	1.75	ug/l	73
74) N-amyl acetate	12.105	43	8124	2.29	ug/l #	50
76) 1,2,3-Trichloropropane	12.483	75	91364	60.49	ug/l #	100
77) Bromobenzene	12.447	156	29909	10.51	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.483	75	91364	111.49	ug/l #	10
90) Hexachloroethane	13.977	117	443	7.67	ug/l #	12

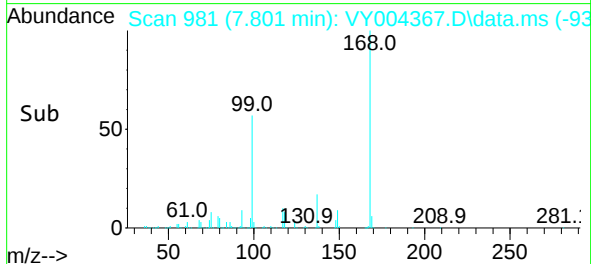
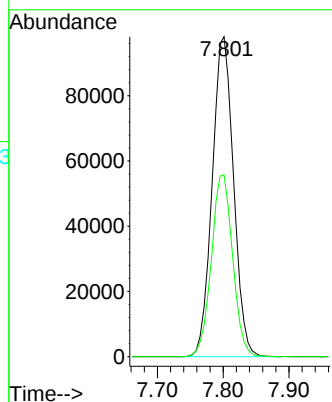
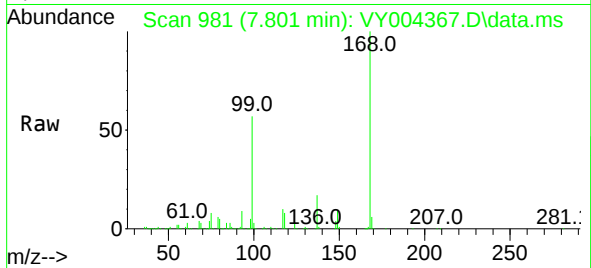
(#) = qualifier out of range (m) = manual integration (+) = signals summed



#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY004367.D
Acq: 09 Apr 2021 18:52

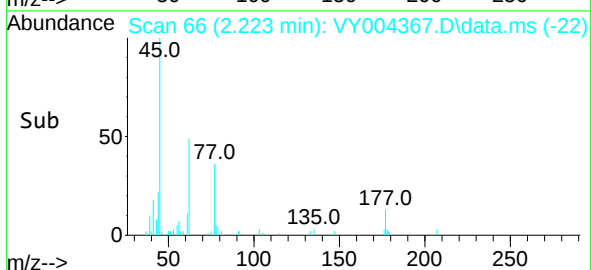
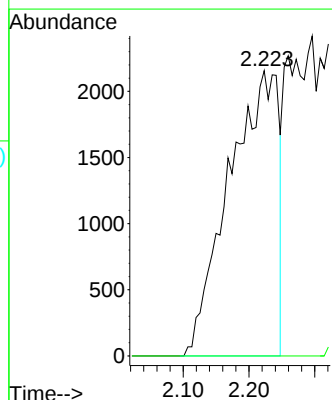
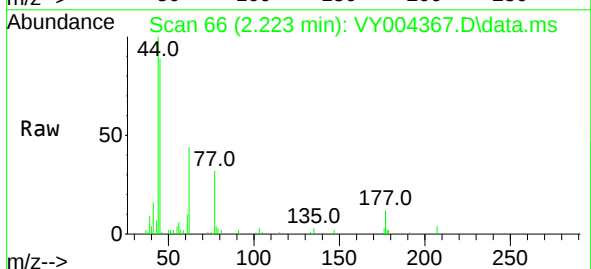
Instrument :
MSVOA_Y
ClientSampled :
SB1-B

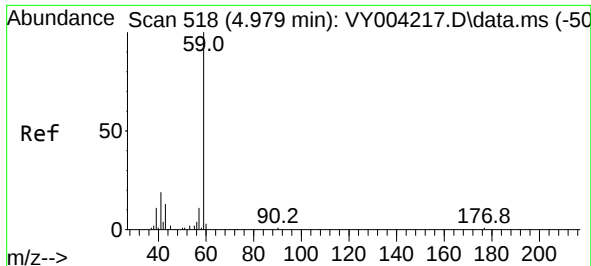
Tgt Ion:168 Resp: 221754
Ion Ratio Lower Upper
168 100
99 56.8 42.6 64.0



#4
Vinyl Chloride
Concen: 3.89 ug/l
RT: 2.223 min Scan# 66
Delta R.T. -0.030 min
Lab File: VY004367.D
Acq: 09 Apr 2021 18:52

Tgt Ion: 62 Resp: 11228
Ion Ratio Lower Upper
62 100
64 0.0 26.0 39.0#



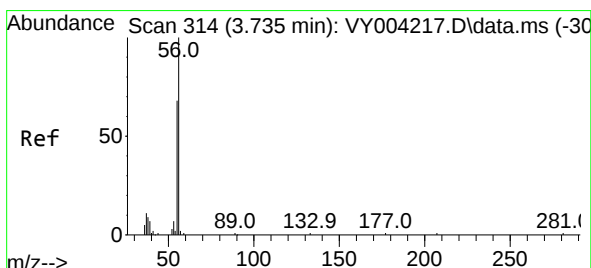
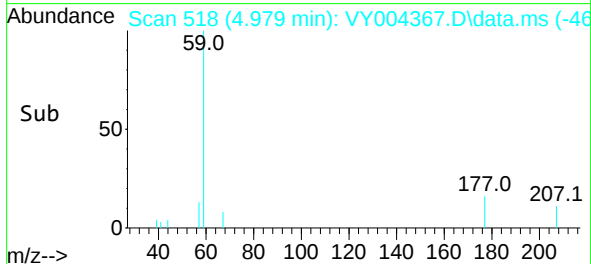
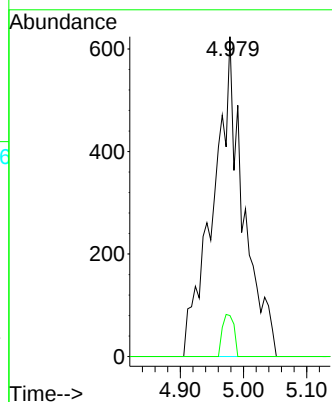
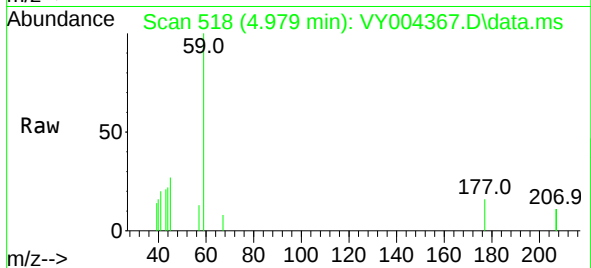


#11

Tert butyl alcohol
Concen: 11.89 ug/l
RT: 4.979 min Scan# 518
Delta R.T. 0.000 min
Lab File: VY004367.D
Acq: 09 Apr 2021 18:52

Instrument :
MSVOA_Y
ClientSampled :
SB1-B

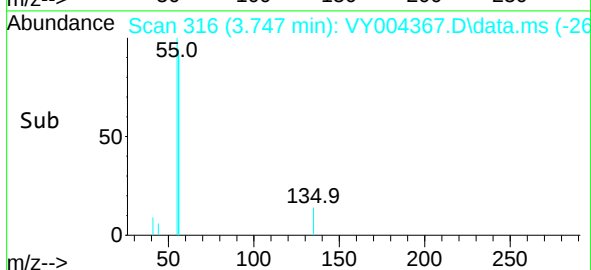
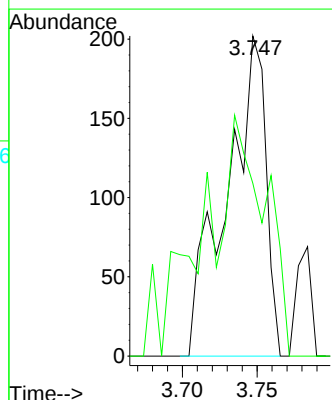
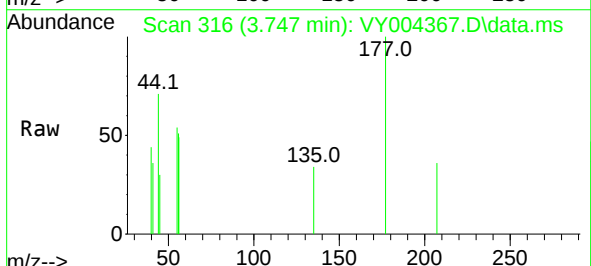
Tgt Ion: 59 Resp: 2062
Ion Ratio Lower Upper
59 100
57 5.0 8.9 13.3#

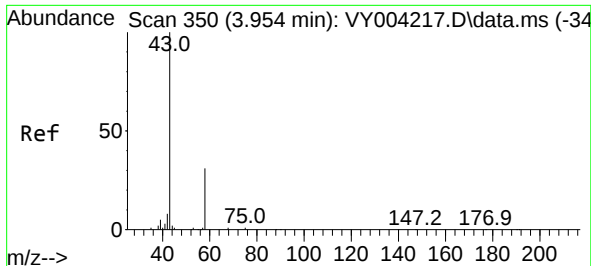


#13

Acrolein
Concen: Below Cal
RT: 3.747 min Scan# 316
Delta R.T. 0.012 min
Lab File: VY004367.D
Acq: 09 Apr 2021 18:52

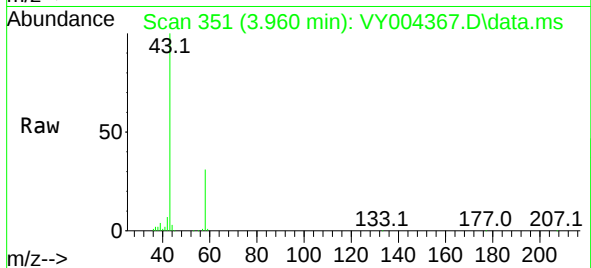
Tgt Ion: 56 Resp: 368
Ion Ratio Lower Upper
56 100
55 120.7 55.0 82.4#



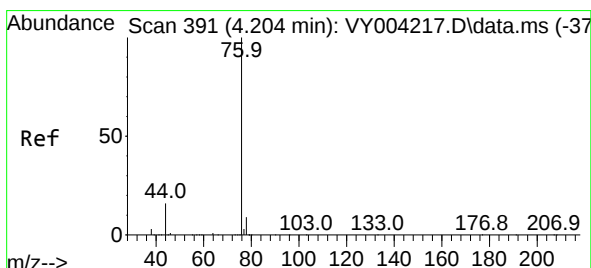
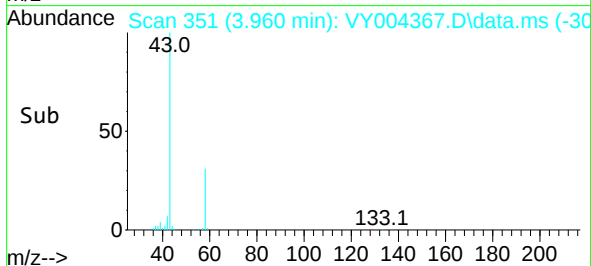
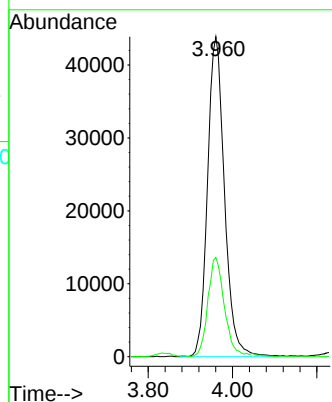


#16
Acetone
Concen: 275.46 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.006 min
Lab File: VY004367.D
Acq: 09 Apr 2021 18:52

Instrument :
MSVOA_Y
ClientSampled :
SB1-B

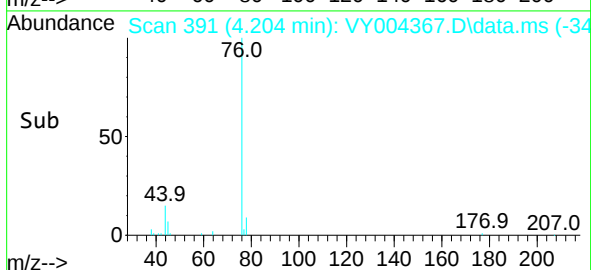
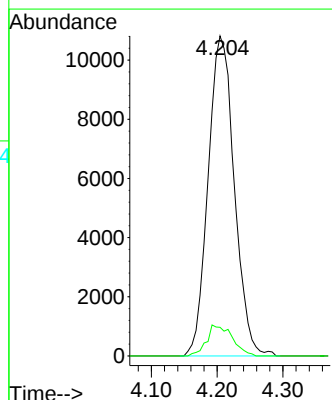
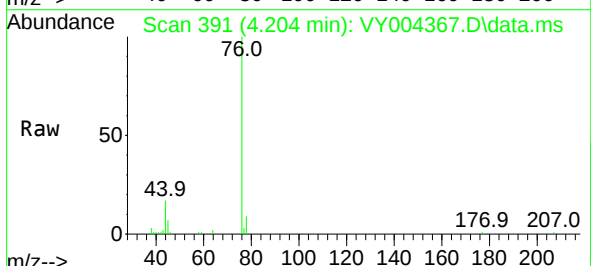


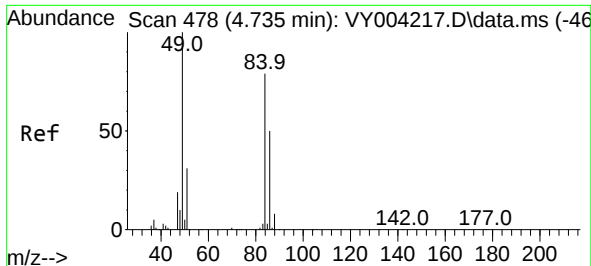
Tgt Ion: 43 Resp: 122339
Ion Ratio Lower Upper
43 100
58 30.8 24.5 36.7



#17
Carbon Disulfide
Concen: 5.69 ug/l
RT: 4.204 min Scan# 391
Delta R.T. 0.000 min
Lab File: VY004367.D
Acq: 09 Apr 2021 18:52

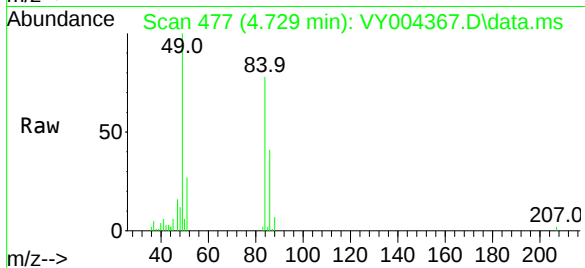
Tgt Ion: 76 Resp: 30009
Ion Ratio Lower Upper
76 100
78 8.9 7.4 11.2



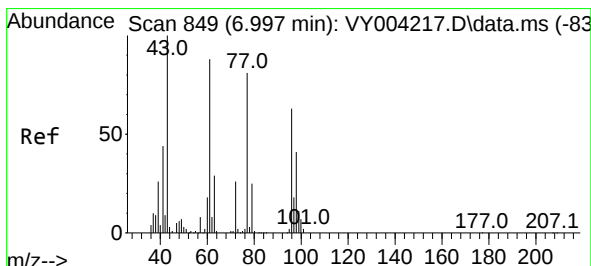
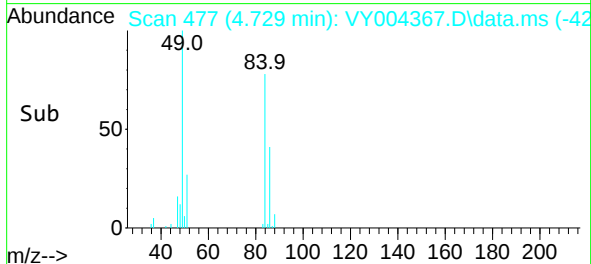
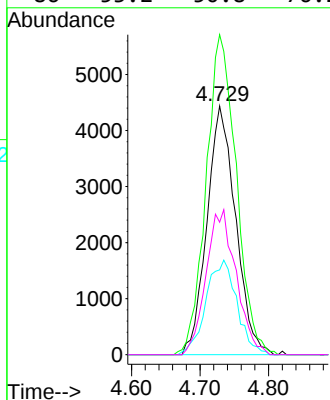


#20
Methylene Chloride
Concen: 3.59 ug/l
RT: 4.729 min Scan# 477
Delta R.T. -0.006 min
Lab File: VY004367.D
Acq: 09 Apr 2021 18:52

Instrument :
MSVOA_Y
ClientSampleId :
SB1-B

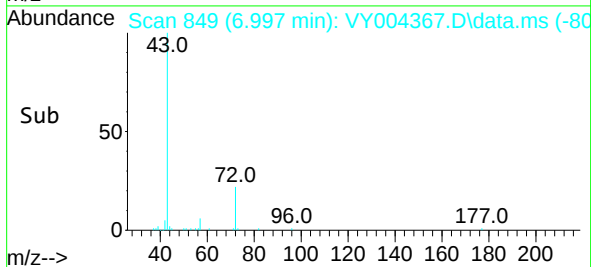
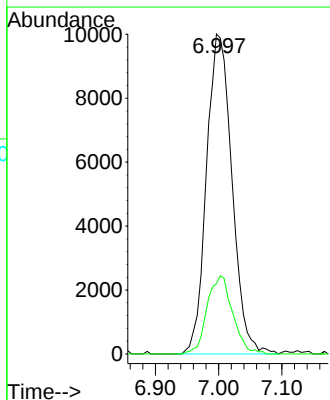
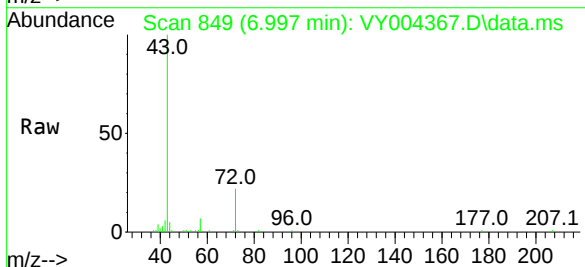


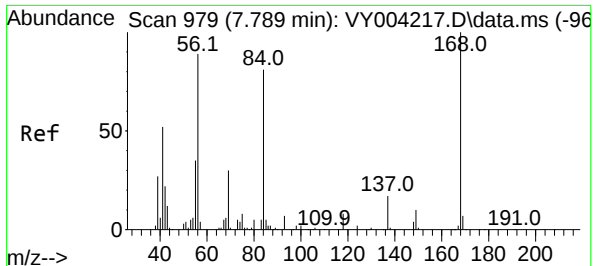
Tgt Ion:	84	Resp:	12904
Ion	Ratio	Lower	Upper
84	100		
49	128.7	101.5	152.3
51	34.1	31.5	47.3
86	53.2	50.8	76.2



#25
2-Butanone
Concen: 37.80 ug/l
RT: 6.997 min Scan# 849
Delta R.T. 0.000 min
Lab File: VY004367.D
Acq: 09 Apr 2021 18:52

Tgt Ion:	43	Resp:	28048
Ion	Ratio	Lower	Upper
43	100		
72	22.0	21.0	31.6

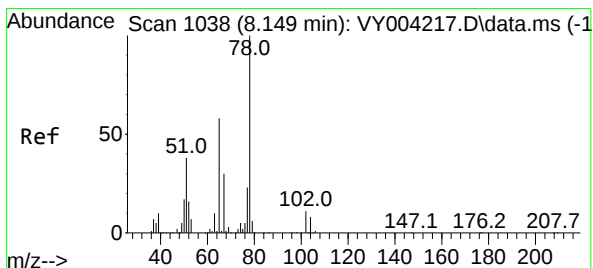
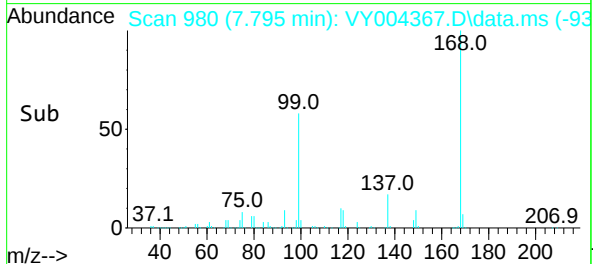
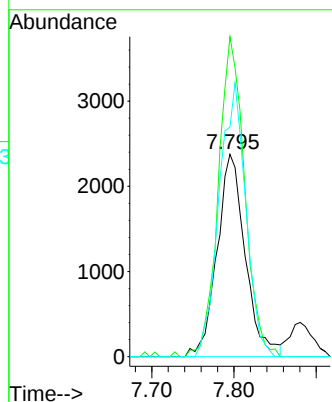
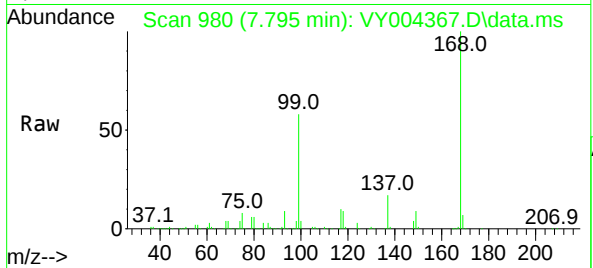




#31
Cyclohexane
Concen: 1.50 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.006 min
Lab File: VY004367.D
Acq: 09 Apr 2021 18:52

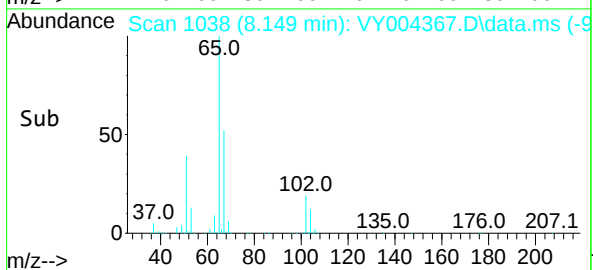
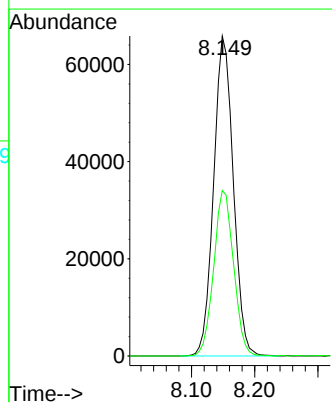
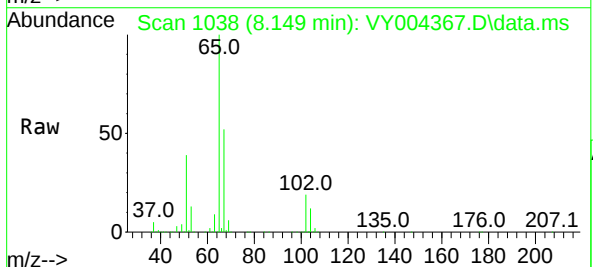
Instrument :
MSVOA_Y
ClientSampleId :
SB1-B

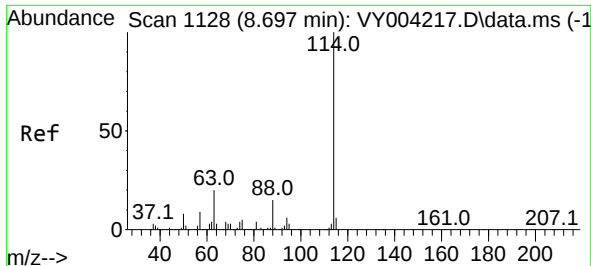
Tgt Ion: 56 Resp: 5667
Ion Ratio Lower Upper
56 100
69 158.1 26.6 40.0#
84 113.5 72.3 108.5#



#33
1,2-Dichloroethane-d4
Concen: 66.55 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. 0.000 min
Lab File: VY004367.D
Acq: 09 Apr 2021 18:52

Tgt Ion: 65 Resp: 141861
Ion Ratio Lower Upper
65 100
67 52.3 0.0 103.2

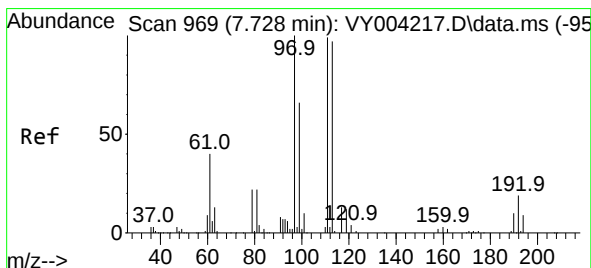
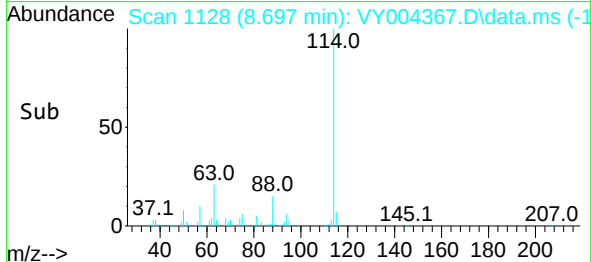
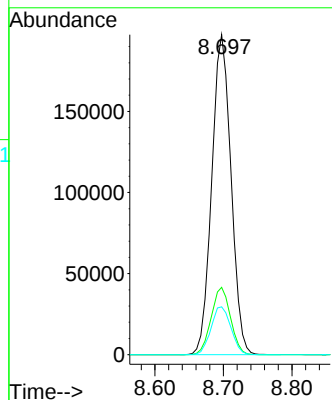
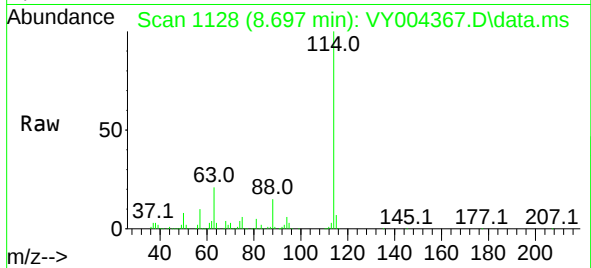




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY004367.D
Acq: 09 Apr 2021 18:52

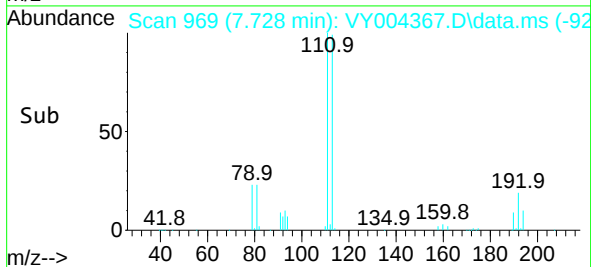
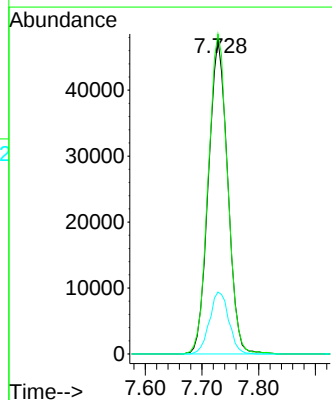
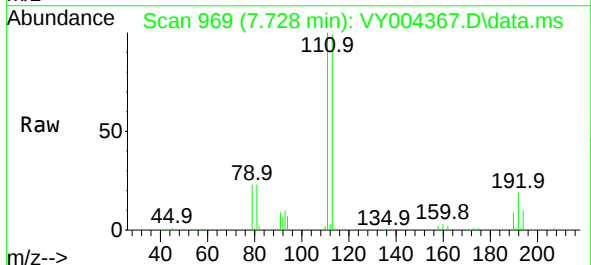
Instrument :
MSVOA_Y
ClientSampleId :
SB1-B

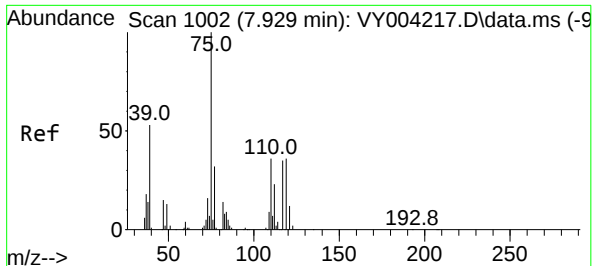
Tgt Ion:114 Resp: 384242
Ion Ratio Lower Upper
114 100
63 21.0 0.0 40.4
88 15.0 0.0 30.8



#35
Dibromofluoromethane
Concen: 52.43 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.000 min
Lab File: VY004367.D
Acq: 09 Apr 2021 18:52

Tgt Ion:113 Resp: 112257
Ion Ratio Lower Upper
113 100
111 102.4 82.6 124.0
192 19.7 16.4 24.6

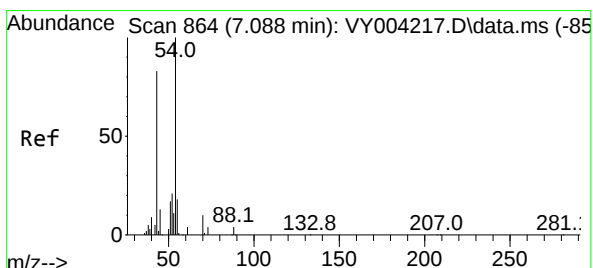
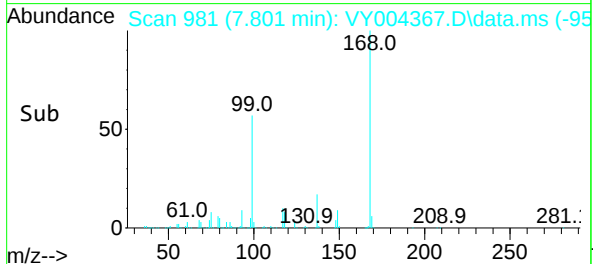
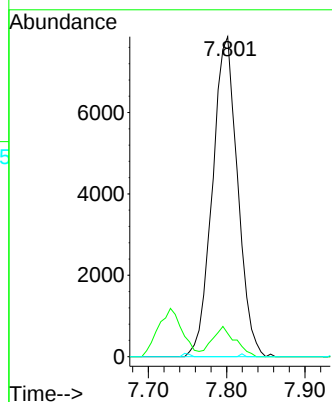
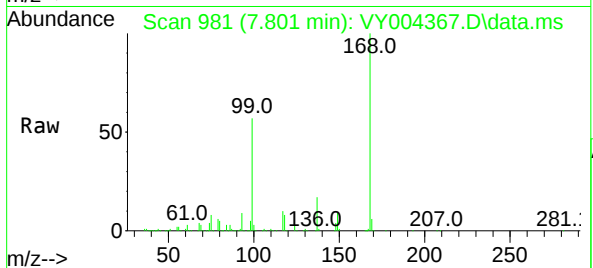




#36
1,1-Dichloropropene
Concen: 5.01 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.128 min
Lab File: VY004367.D
Acq: 09 Apr 2021 18:52

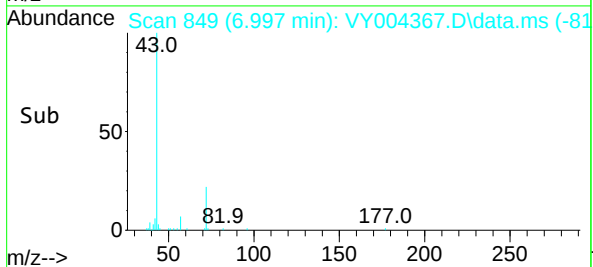
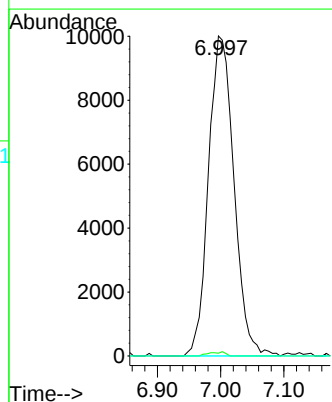
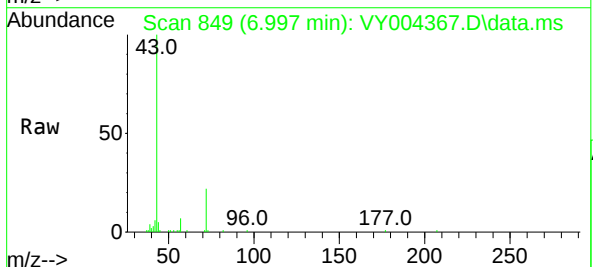
Instrument :
MSVOA_Y
ClientSampleId :
SB1-B

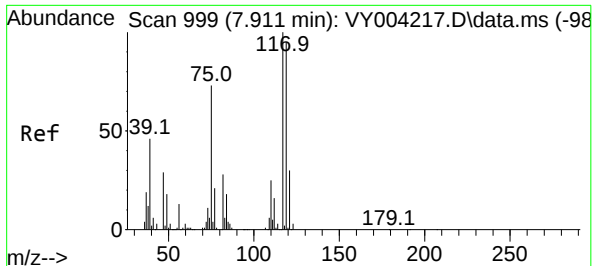
Tgt Ion: 75 Resp: 17571
Ion Ratio Lower Upper
75 100
110 8.6 18.1 54.3#
77 0.0 25.1 37.7#



#37
Ethyl Acetate
Concen: 13.63 ug/l
RT: 6.997 min Scan# 849
Delta R.T. -0.091 min
Lab File: VY004367.D
Acq: 09 Apr 2021 18:52

Tgt Ion: 43 Resp: 28048
Ion Ratio Lower Upper
43 100
61 0.8 10.2 15.2#
70 0.0 8.0 12.0#

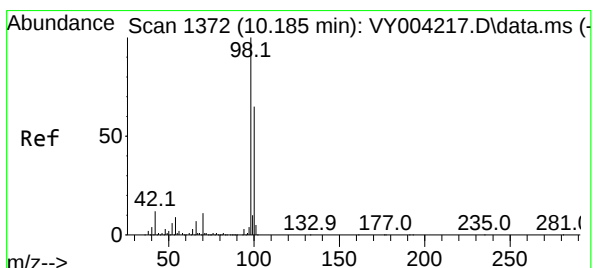
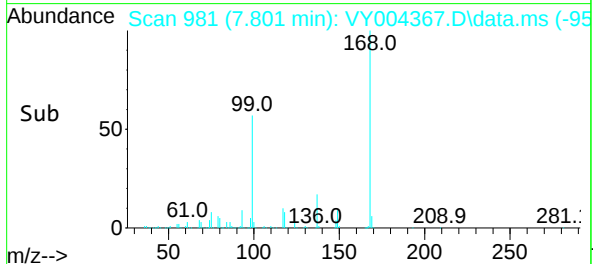
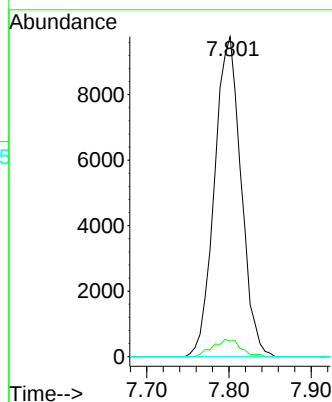
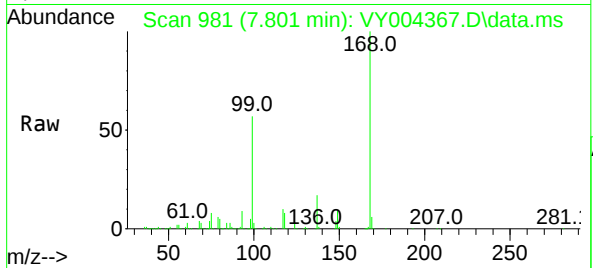




#38
Carbon Tetrachloride
Concen: 7.18 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.110 min
Lab File: VY004367.D
Acq: 09 Apr 2021 18:52

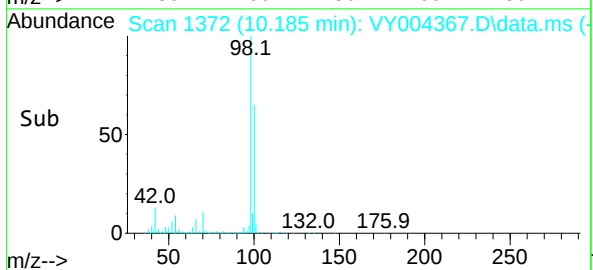
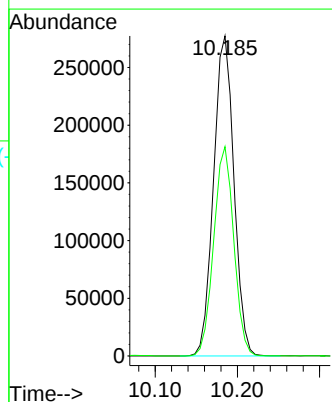
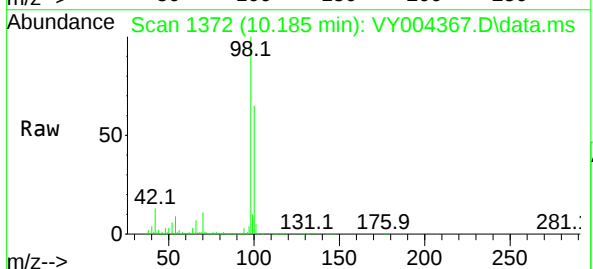
Instrument :
MSVOA_Y
ClientSampleId :
SB1-B

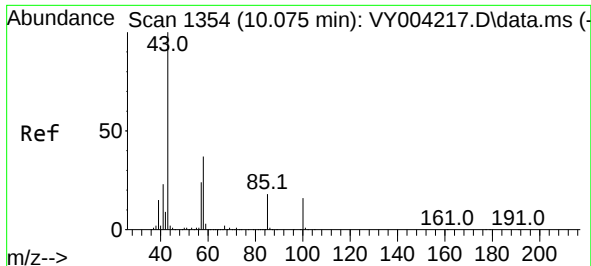
Tgt Ion:117 Resp: 21888
Ion Ratio Lower Upper
117 100
119 4.9 75.6 113.4#
121 0.0 24.3 36.5#



#50
Toluene-d8
Concen: 59.28 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY004367.D
Acq: 09 Apr 2021 18:52

Tgt Ion: 98 Resp: 477388
Ion Ratio Lower Upper
98 100
100 64.4 52.5 78.7

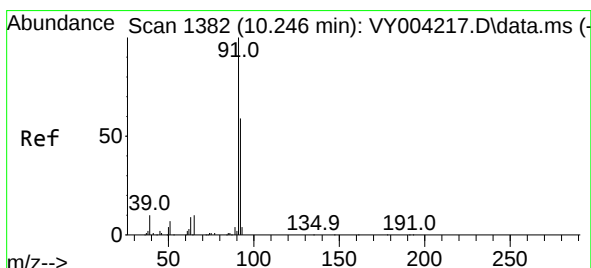
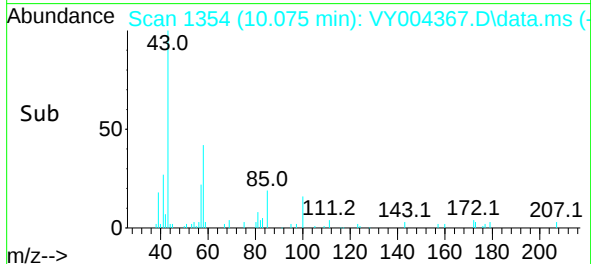
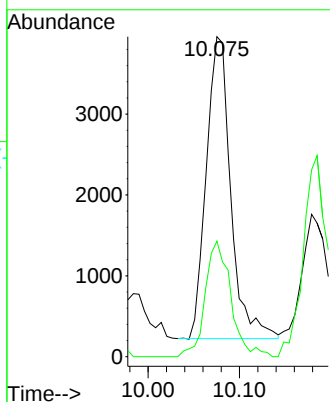
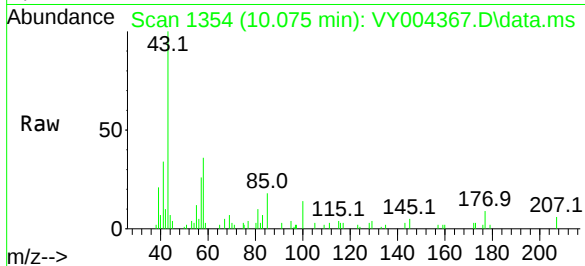




#51
4-Methyl-2-Pentanone
Concen: 3.49 ug/l
RT: 10.075 min Scan# 1354
Delta R.T. 0.000 min
Lab File: VY004367.D
Acq: 09 Apr 2021 18:52

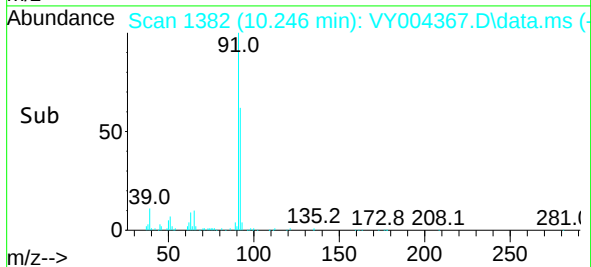
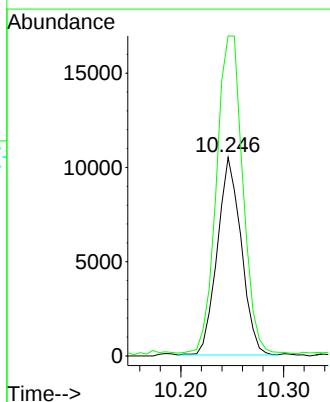
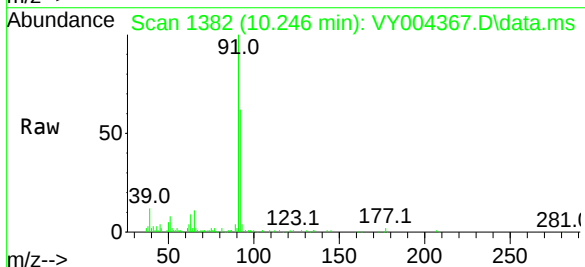
Instrument :
MSVOA_Y
ClientSampled :
SB1-B

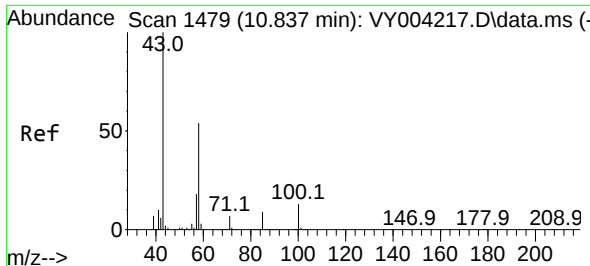
Tgt Ion: 43 Resp: 6929
Ion Ratio Lower Upper
43 100
58 40.1 30.6 45.8



#52
Toluene
Concen: 2.65 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. 0.000 min
Lab File: VY004367.D
Acq: 09 Apr 2021 18:52

Tgt Ion: 92 Resp: 16954
Ion Ratio Lower Upper
92 100
91 176.9 136.0 204.0

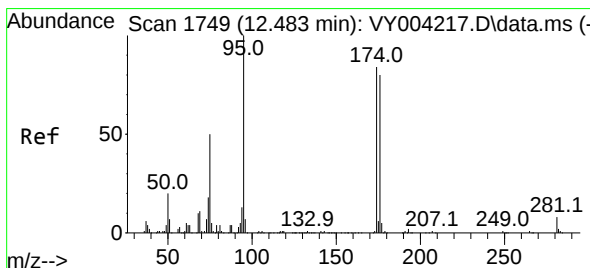
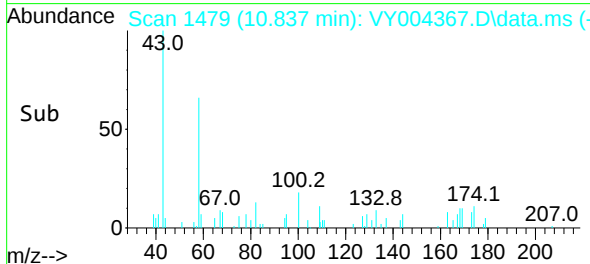
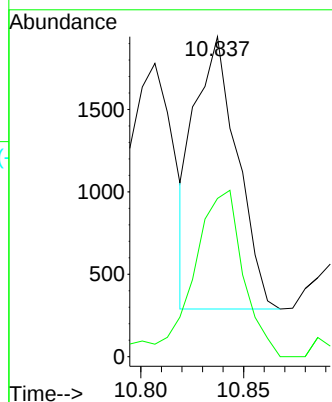
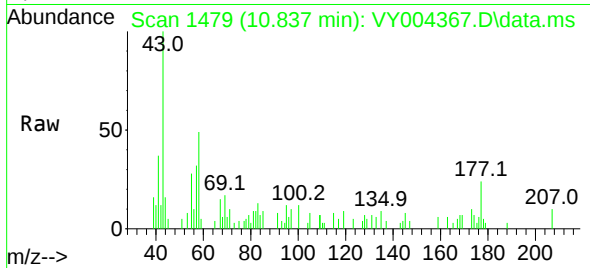




#59
2-Hexanone
Concen: 1.75 ug/l
RT: 10.837 min Scan# 1479
Delta R.T. 0.000 min
Lab File: VY004367.D
Acq: 09 Apr 2021 18:52

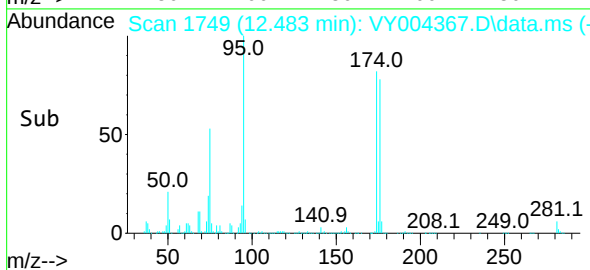
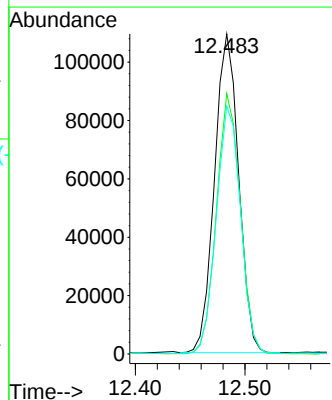
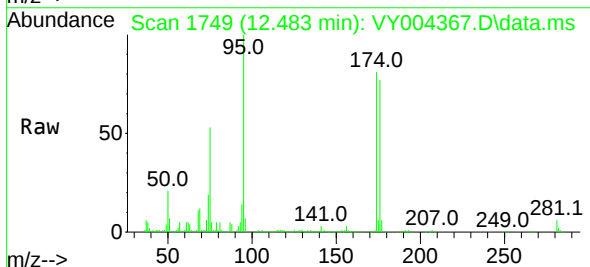
Instrument :
MSVOA_Y
ClientSampled :
SB1-B

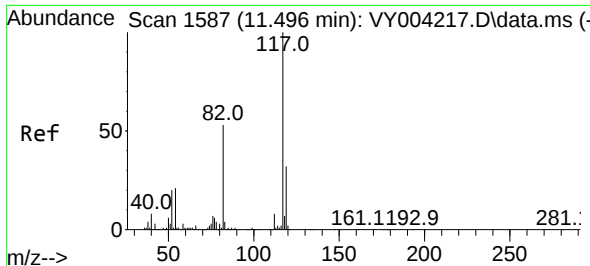
Tgt Ion: 43 Resp: 2391
Ion Ratio Lower Upper
43 100
58 72.3 26.7 80.1



#62
4-Bromofluorobenzene
Concen: 60.47 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY004367.D
Acq: 09 Apr 2021 18:52

Tgt Ion: 95 Resp: 166889
Ion Ratio Lower Upper
95 100
174 81.4 0.0 171.4
176 78.1 0.0 165.6

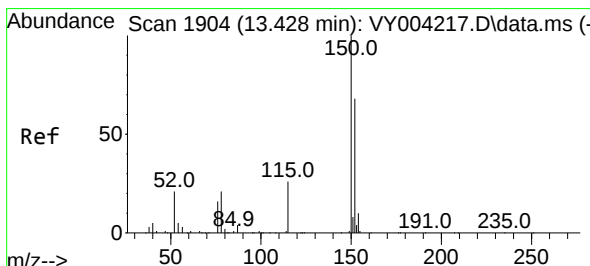
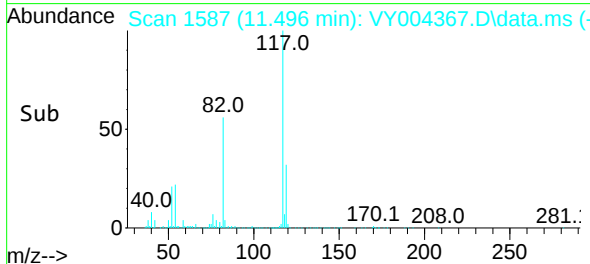
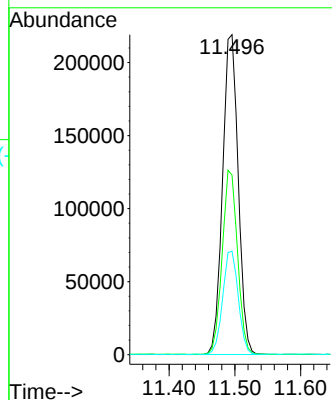
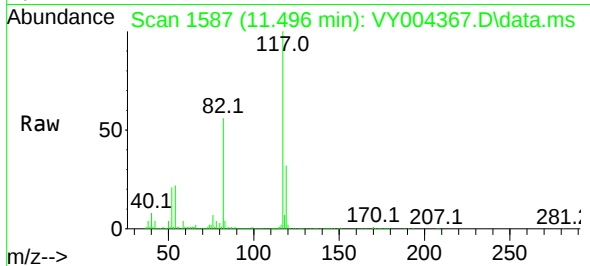




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VY004367.D
Acq: 09 Apr 2021 18:52

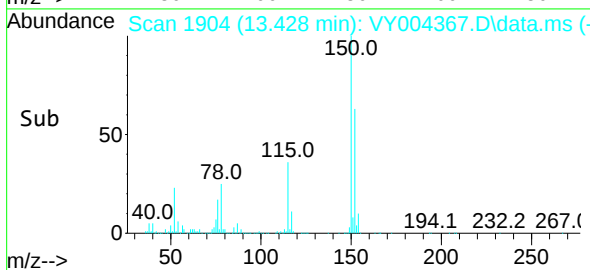
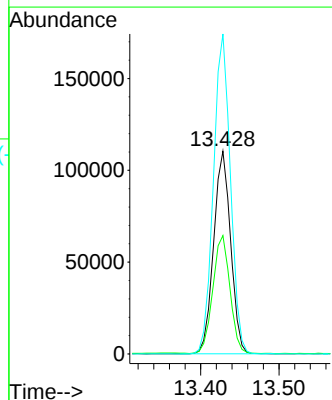
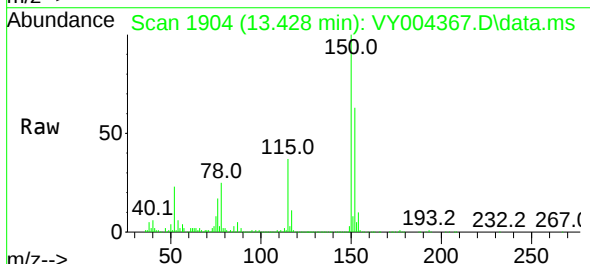
Instrument :
MSVOA_Y
ClientSampleId :
SB1-B

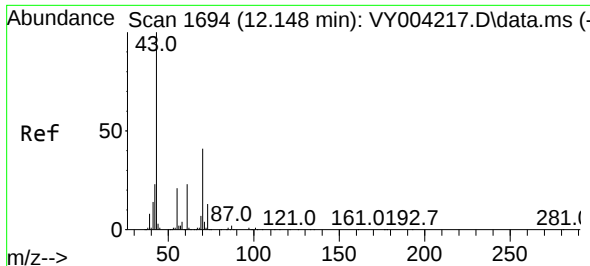
Tgt Ion:117 Resp: 362069
Ion Ratio Lower Upper
117 100
82 56.0 42.7 64.1
119 32.3 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY004367.D
Acq: 09 Apr 2021 18:52

Tgt Ion:152 Resp: 166323
Ion Ratio Lower Upper
152 100
115 58.5 29.0 87.1
150 157.9 0.0 347.4

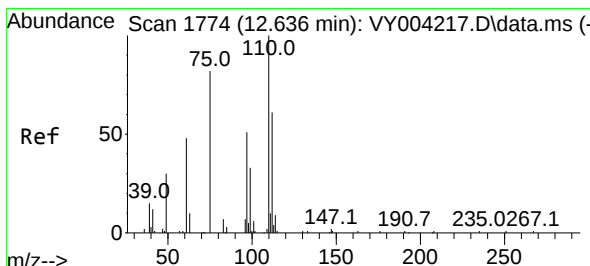
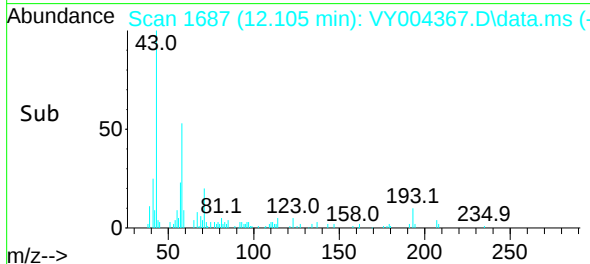
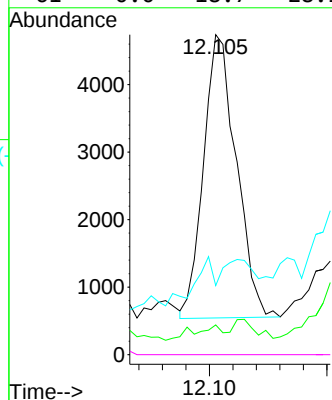
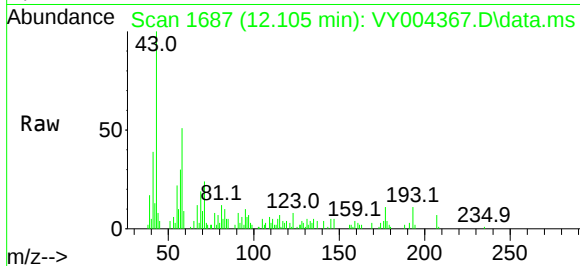




#74
N-amy1 acetate
Concen: 2.29 ug/l
RT: 12.105 min Scan# 1687
Delta R.T. -0.043 min
Lab File: VY004367.D
Acq: 09 Apr 2021 18:52

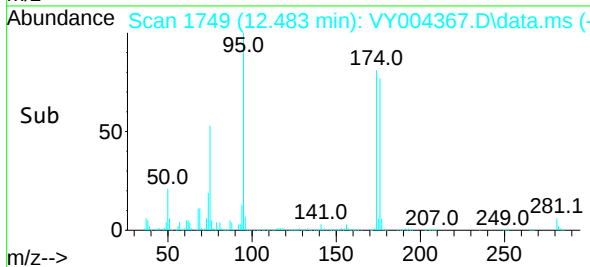
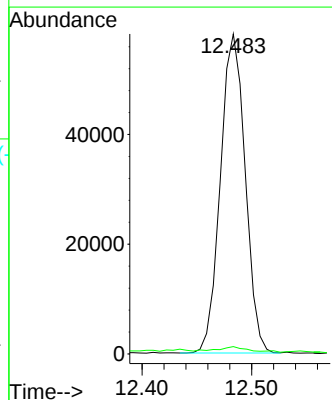
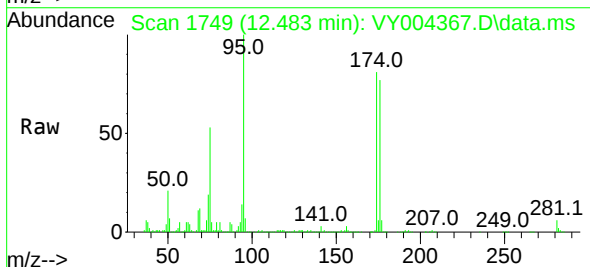
Instrument :
MSVOA_Y
ClientSampleId :
SB1-B

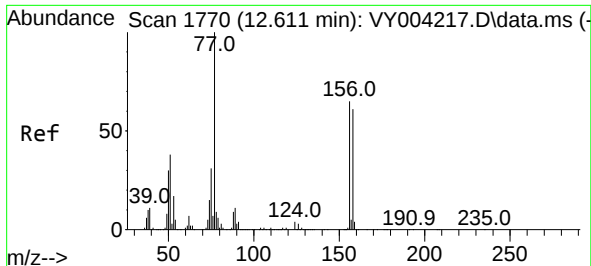
Tgt Ion: 43	Resp: 8124
Ion Ratio	Lower Upper
43 100	
70 0.7	32.6 49.0#
55 10.3	18.0 27.0#
61 0.0	18.7 28.1#



#76
1,2,3-Trichloropropane
Concen: 60.49 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY004367.D
Acq: 09 Apr 2021 18:52

Tgt Ion: 75	Resp: 91364
Ion Ratio	Lower Upper
75 100	
77 2.2	0.0 0.0#

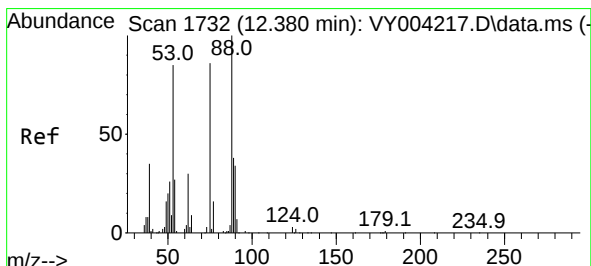
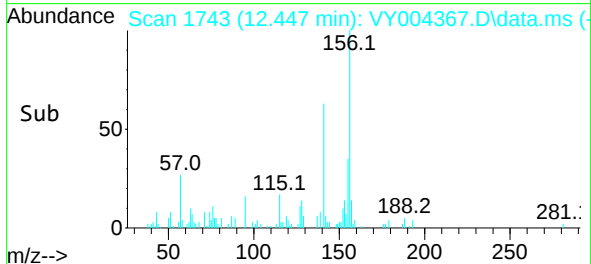
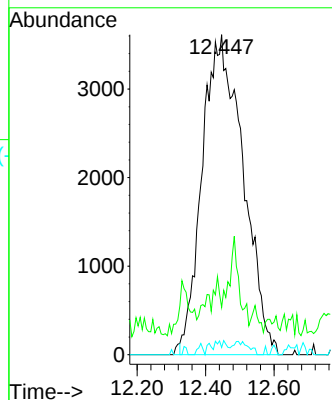
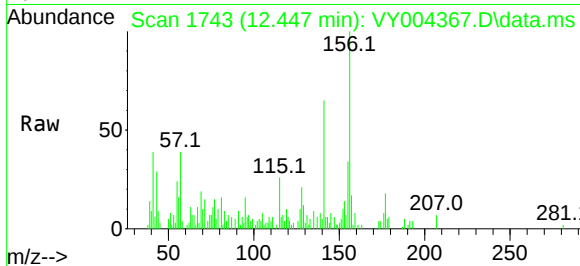




#77
Bromobenzene
Concen: 10.51 ug/l
RT: 12.447 min Scan# 1743
Delta R.T. -0.165 min
Lab File: VY004367.D
Acq: 09 Apr 2021 18:52

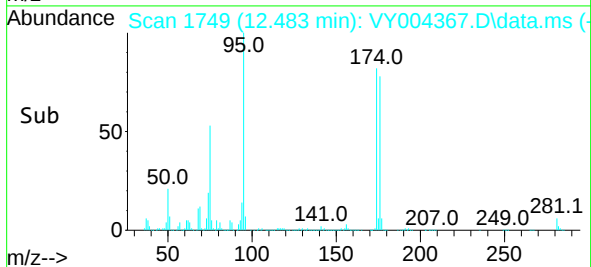
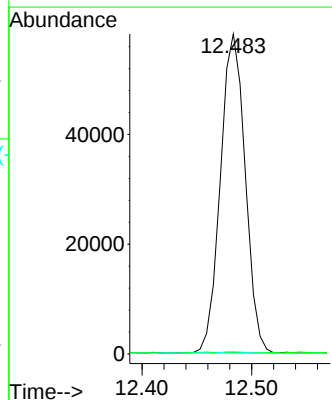
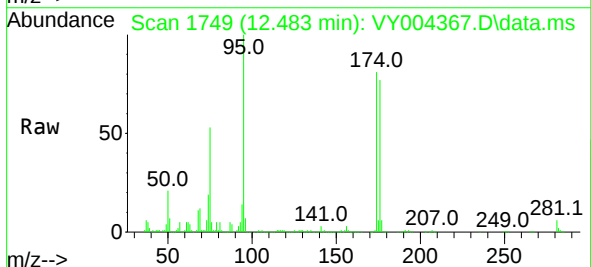
Instrument :
MSVOA_Y
ClientSampleId :
SB1-B

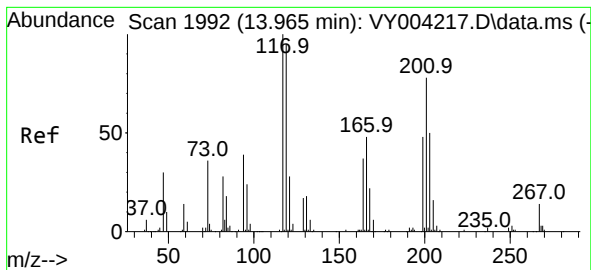
Tgt Ion	Ratio	Lower	Upper
156	100		
77	2.1	88.6	265.9#
158	0.6	48.3	144.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 111.49 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY004367.D
Acq: 09 Apr 2021 18:52

Tgt Ion	Ratio	Lower	Upper
75	100		
53	0.0	79.3	118.9#
89	1.0	39.4	59.2#





#90
 Hexachloroethane
 Concen: 7.67 ug/l
 RT: 13.977 min Scan# 1994
 Delta R.T. 0.012 min
 Lab File: VY004367.D
 Acq: 09 Apr 2021 18:52

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB1-B

Tgt Ion:117 Resp: 443
 Ion Ratio Lower Upper
 117 100
 201 0.0 37.6 112.9#

