

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040921\
 Data File : VY004372.D
 Acq On : 09 Apr 2021 20:48
 Operator : SY/MD
 Sample : M1998-02
 Misc : 3.51G/5ML/MSVOA_Y/SOIL
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-3B

Quant Time: Apr 10 02:07:25 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)

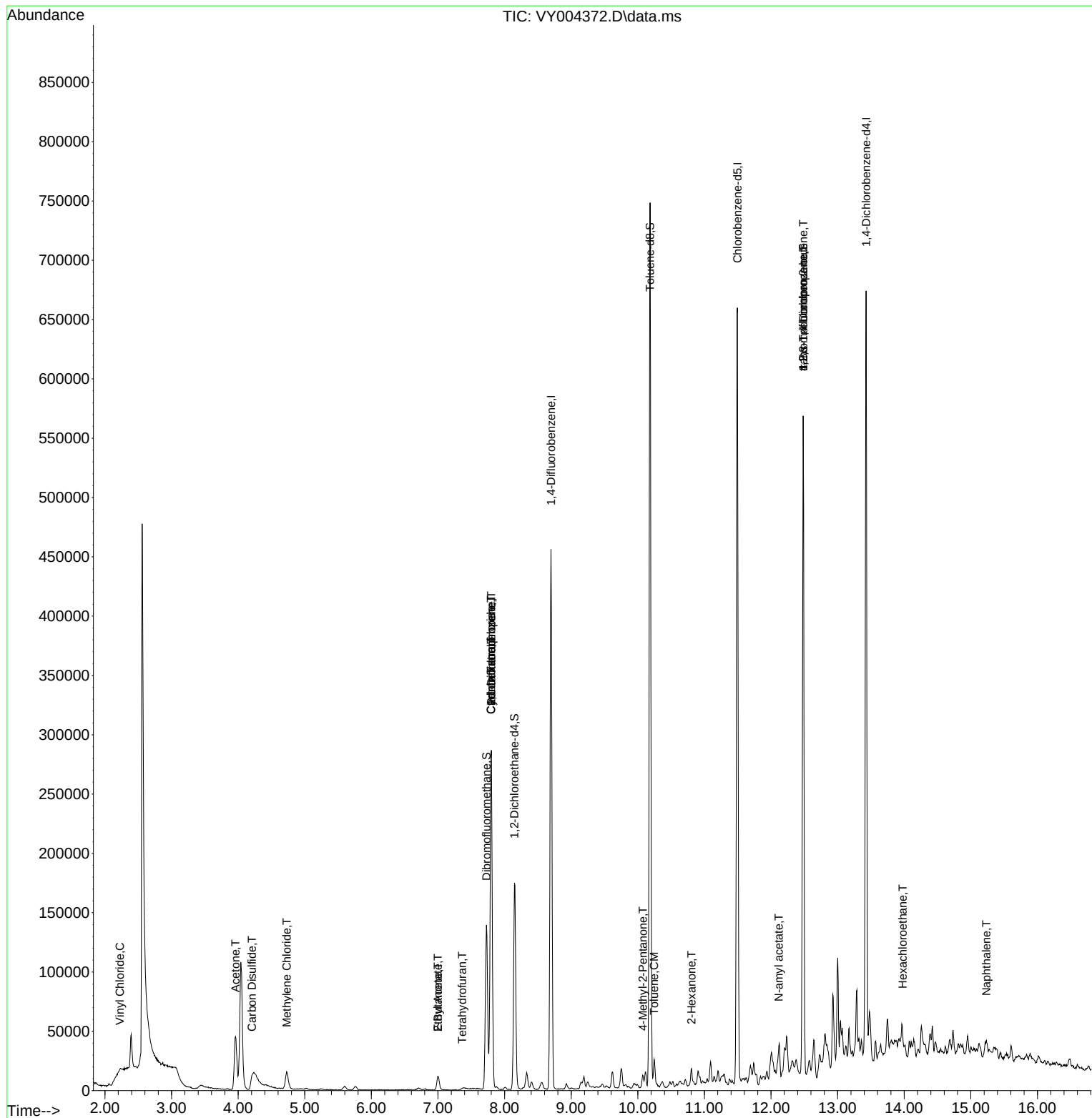
Internal Standards						
1) Pentafluorobenzene	7.801	168	214864	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	371689	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	347209	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	158250	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	135034	65.38	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 130.76%			
35) Dibromofluoromethane	7.728	113	97133	46.90	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 93.80%			
50) Toluene-d8	10.185	98	459241	58.96	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 117.92%			
62) 4-Bromofluorobenzene	12.483	95	158095	59.22	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 118.44%			
Target Compounds						Qvalue
4) Vinyl Chloride	2.223	62	7495	2.68	ug/l #	42
13) Acrolein	3.753	56	82	Below Cal	#	15
16) Acetone	3.960	43	81536	189.47	ug/l	96
17) Carbon Disulfide	4.204	76	17763	3.48	ug/l	96
20) Methylene Chloride	4.728	84	10060	2.37	ug/l	94
25) 2-Butanone	6.996	43	20303	28.24	ug/l	95
29) Tetrahydrofuran	7.362	42	687	1.36	ug/l #	35
31) Cyclohexane	7.795	56	5632	1.54	ug/l #	1
36) 1,1-Dichloropropene	7.801	75	17224	5.08	ug/l #	49
37) Ethyl Acetate	6.996	43	20303	10.20	ug/l #	70
38) Carbon Tetrachloride	7.795	117	21523	7.29	ug/l #	15
51) 4-Methyl-2-Pentanone	10.075	43	6431	3.35	ug/l	90
52) Toluene	10.246	92	9241	1.49	ug/l	99
59) 2-Hexanone	10.807	43	8992	6.81	ug/l #	25
74) N-amyl acetate	12.117	43	11904	3.52	ug/l #	50
76) 1,2,3-Trichloropropane	12.483	75	87155	60.65	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	87155	111.78	ug/l #	10
90) Hexachloroethane	13.977	117	320	7.58	ug/l #	12
95) Naphthalene	15.233	128	8054	1.18	ug/l #	92

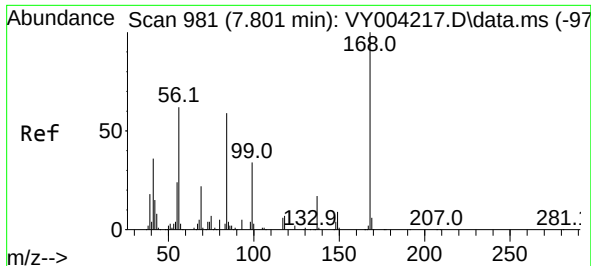
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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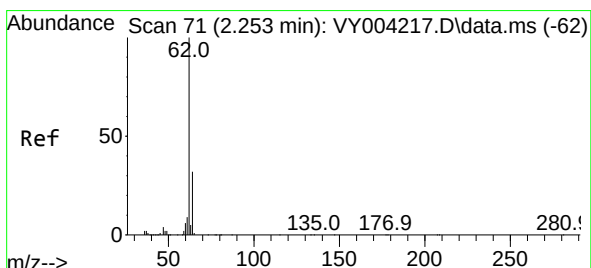
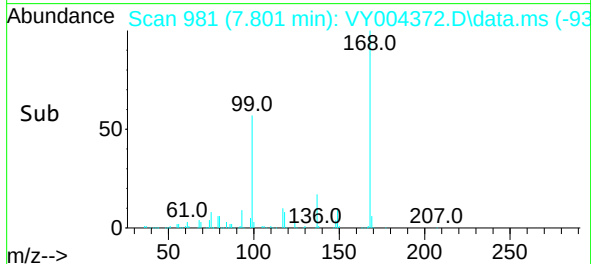
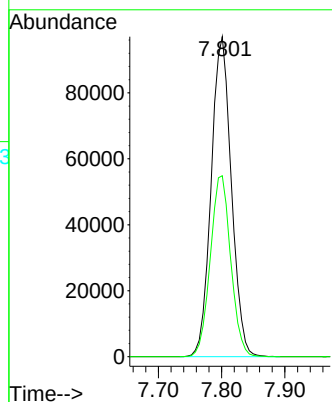
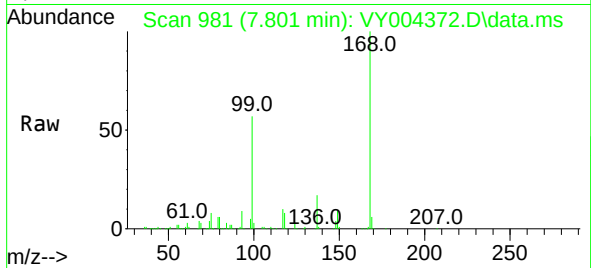




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY004372.D
Acq: 09 Apr 2021 20:48

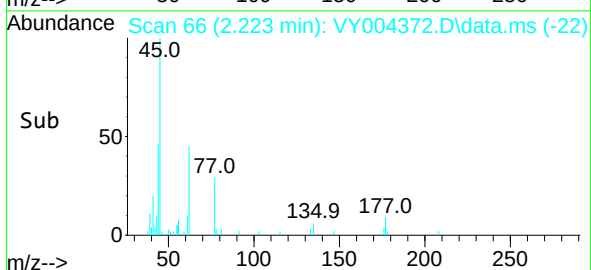
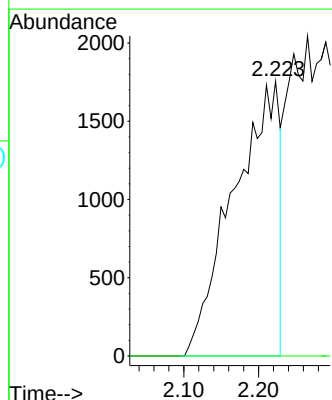
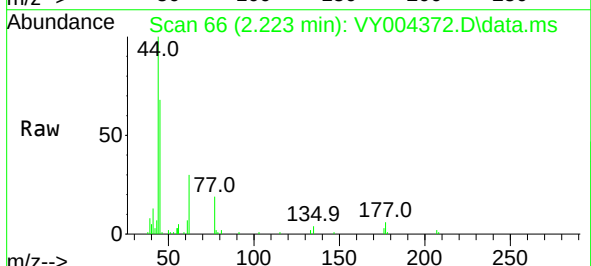
Instrument :
MSVOA_Y
ClientSampleId :
SB-3B

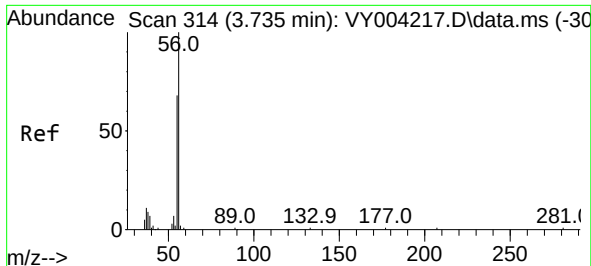
Tgt Ion:168 Resp: 214864
Ion Ratio Lower Upper
168 100
99 56.5 42.6 64.0



#4
Vinyl Chloride
Concen: 2.68 ug/l
RT: 2.223 min Scan# 66
Delta R.T. -0.031 min
Lab File: VY004372.D
Acq: 09 Apr 2021 20:48

Tgt Ion: 62 Resp: 7495
Ion Ratio Lower Upper
62 100
64 0.0 26.0 39.0#

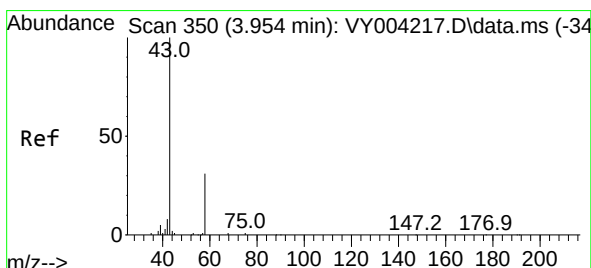
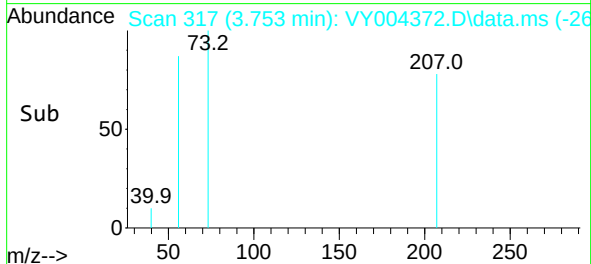
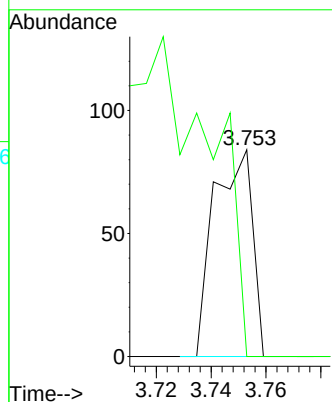
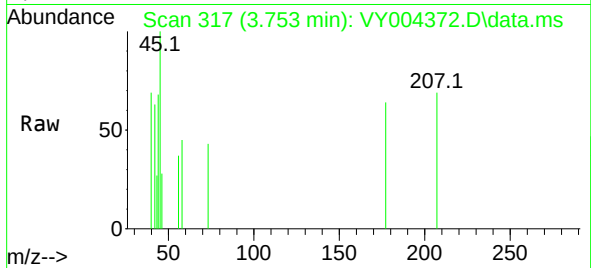




#13
Acrolein
Concen: Below Cal
RT: 3.753 min Scan# 317
Delta R.T. 0.018 min
Lab File: VY004372.D
Acq: 09 Apr 2021 20:48

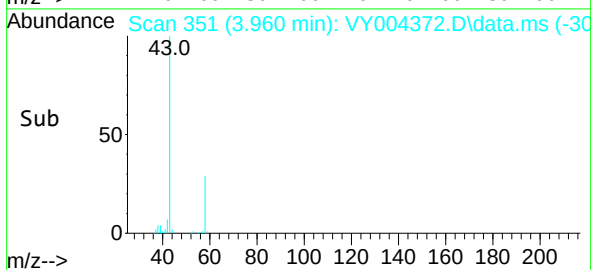
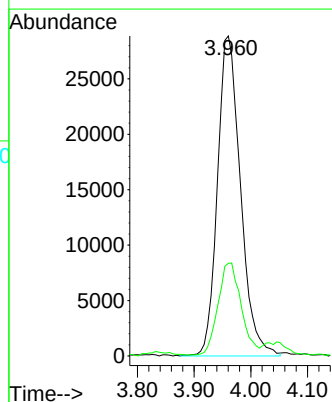
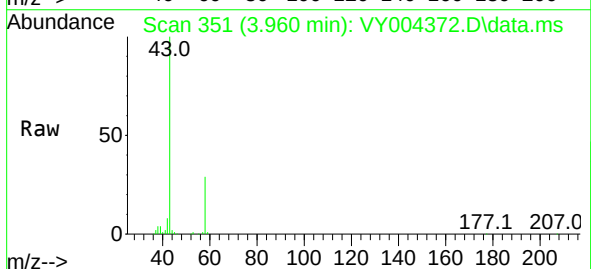
Instrument :
MSVOA_Y
ClientSampleId :
SB-3B

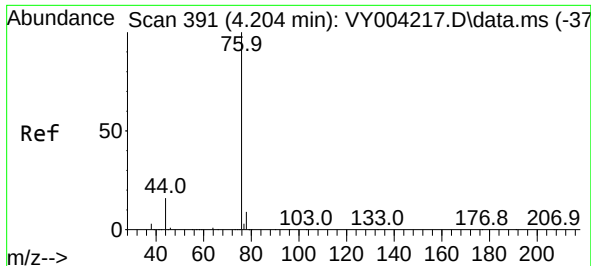
Tgt Ion: 56 Resp: 82
Ion Ratio Lower Upper
56 100
55 0.0 55.0 82.4#



#16
Acetone
Concen: 189.47 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.006 min
Lab File: VY004372.D
Acq: 09 Apr 2021 20:48

Tgt Ion: 43 Resp: 81536
Ion Ratio Lower Upper
43 100
58 28.4 24.5 36.7

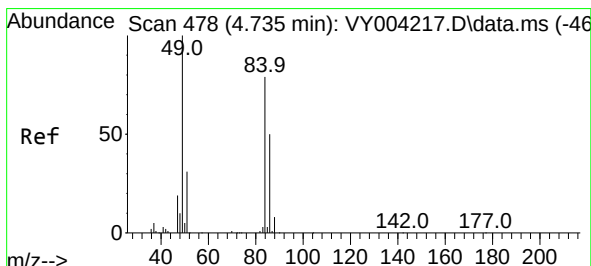
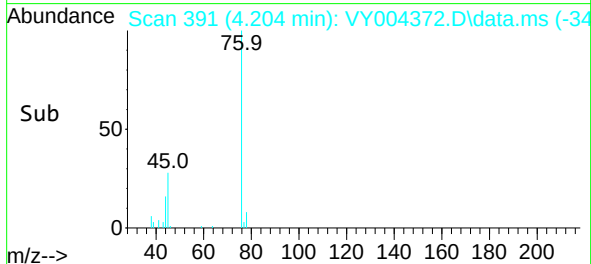
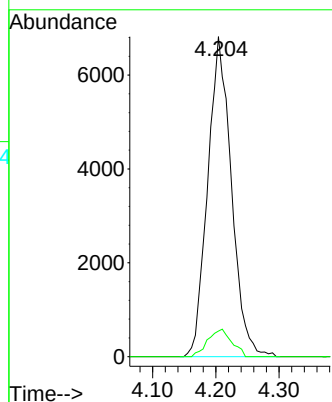
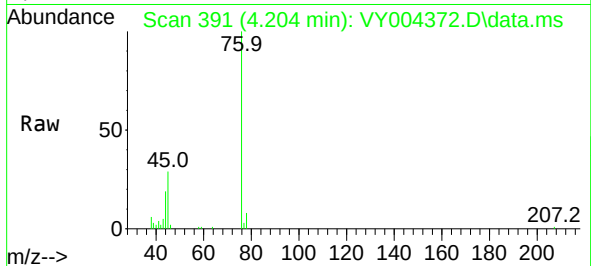




#17
Carbon Disulfide
Concen: 3.48 ug/l
RT: 4.204 min Scan# 391
Delta R.T. -0.000 min
Lab File: VY004372.D
Acq: 09 Apr 2021 20:48

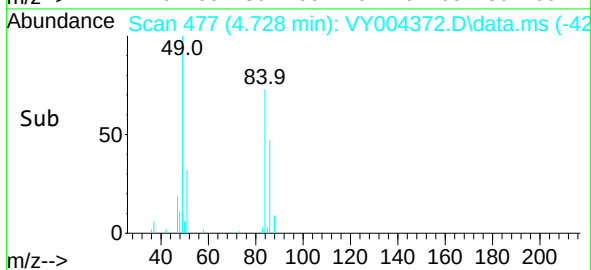
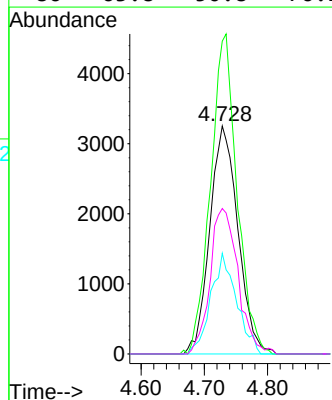
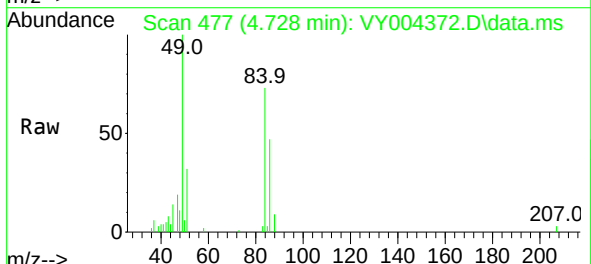
Instrument :
MSVOA_Y
ClientSampleId :
SB-3B

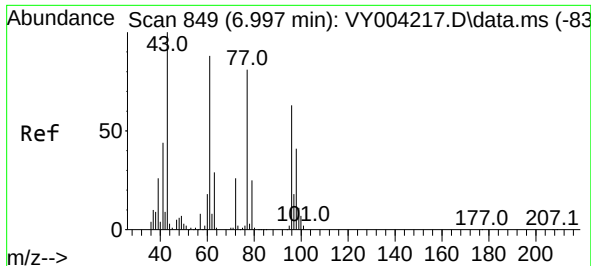
Tgt Ion: 76 Resp: 17763
Ion Ratio Lower Upper
76 100
78 8.0 7.4 11.2



#20
Methylene Chloride
Concen: 2.37 ug/l
RT: 4.728 min Scan# 477
Delta R.T. -0.007 min
Lab File: VY004372.D
Acq: 09 Apr 2021 20:48

Tgt Ion: 84 Resp: 10060
Ion Ratio Lower Upper
84 100
49 137.2 101.5 152.3
51 44.2 31.5 47.3
86 63.8 50.8 76.2

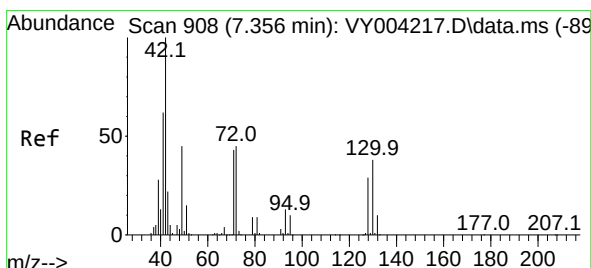
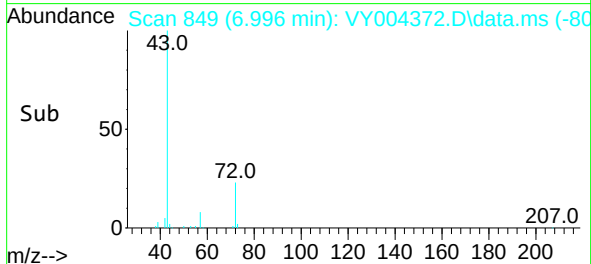
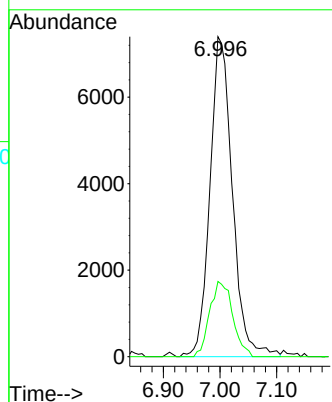
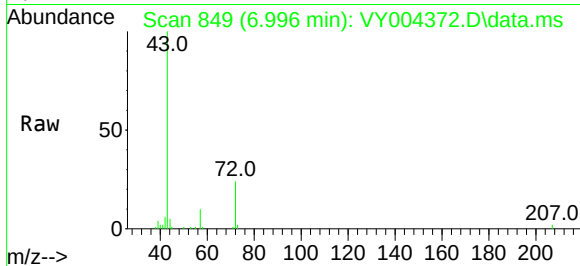




#25
2-Butanone
Concen: 28.24 ug/l
RT: 6.996 min Scan# 849
Delta R.T. -0.000 min
Lab File: VY004372.D
Acq: 09 Apr 2021 20:48

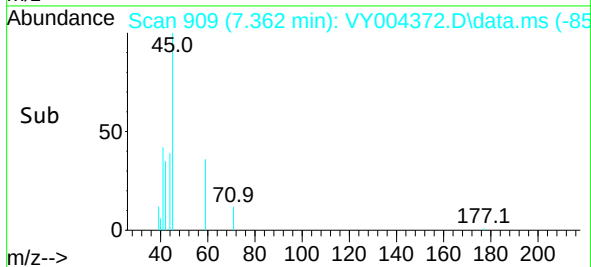
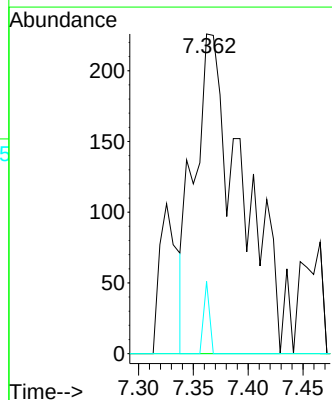
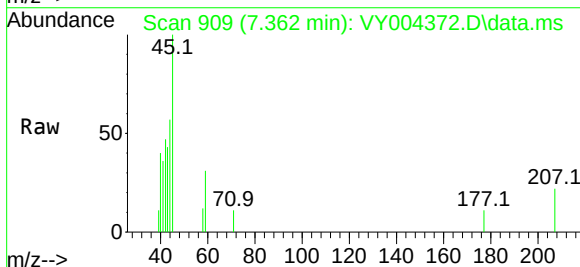
Instrument :
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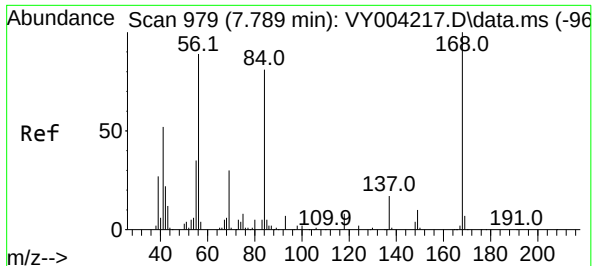
Tgt Ion: 43 Resp: 20303
Ion Ratio Lower Upper
43 100
72 23.5 21.0 31.6



#29
Tetrahydrofuran
Concen: 1.36 ug/l
RT: 7.362 min Scan# 909
Delta R.T. 0.006 min
Lab File: VY004372.D
Acq: 09 Apr 2021 20:48

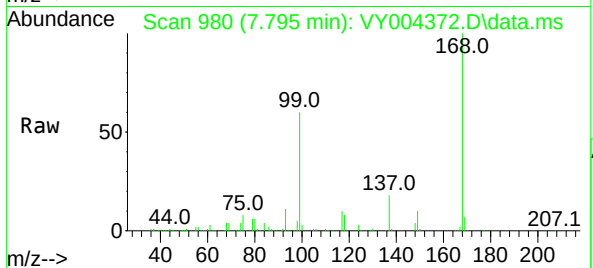
Tgt Ion: 42 Resp: 687
Ion Ratio Lower Upper
42 100
72 0.0 35.1 52.7#
71 2.8 32.9 49.3#



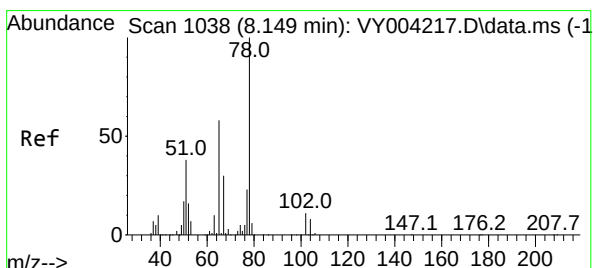
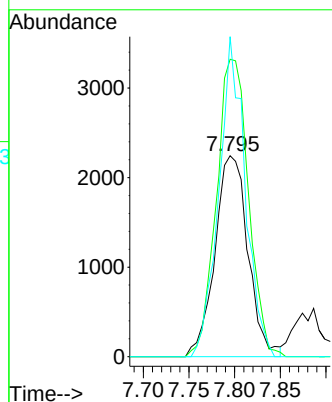
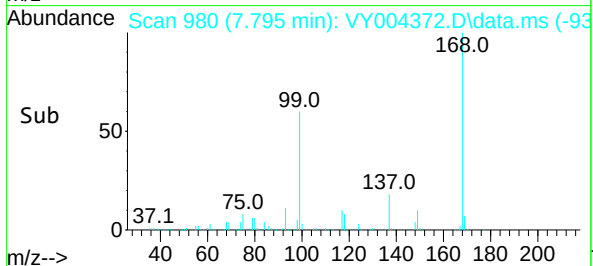


#31
Cyclohexane
Concen: 1.54 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.006 min
Lab File: VY004372.D
Acq: 09 Apr 2021 20:48

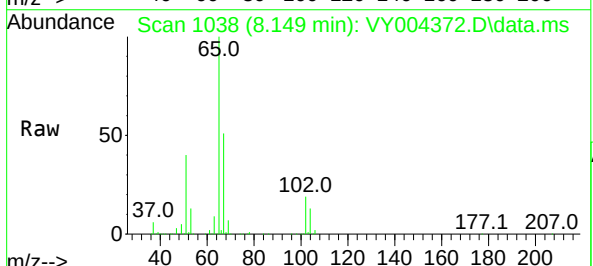
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MSVOA_Y
ClientSampleId :
SB-3B



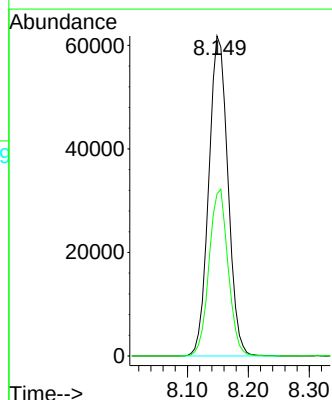
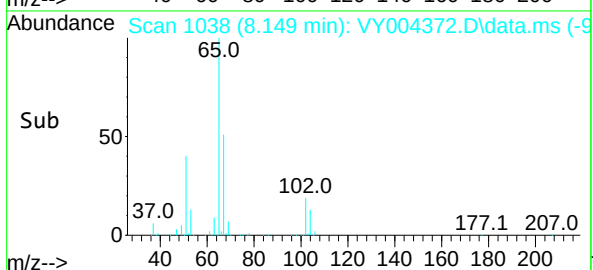
Tgt Ion: 56 Resp: 5632
Ion Ratio Lower Upper
56 100
69 148.0 26.6 40.0#
84 159.2 72.3 108.5#

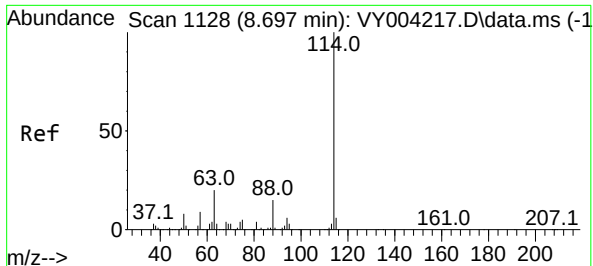


#33
1,2-Dichloroethane-d4
Concen: 65.38 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VY004372.D
Acq: 09 Apr 2021 20:48



Tgt Ion: 65 Resp: 135034
Ion Ratio Lower Upper
65 100
67 51.7 0.0 103.2

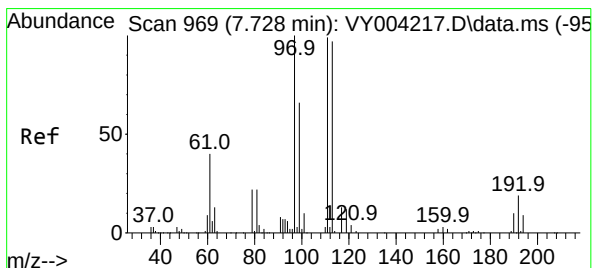
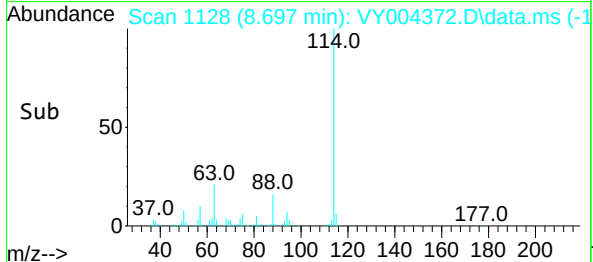
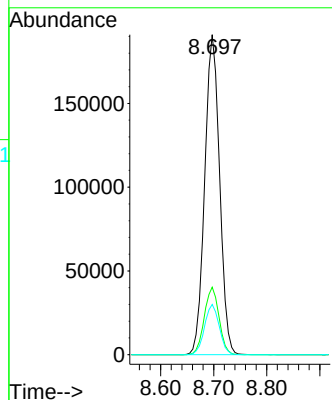
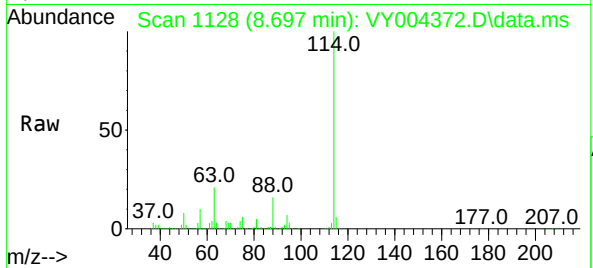




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY004372.D
Acq: 09 Apr 2021 20:48

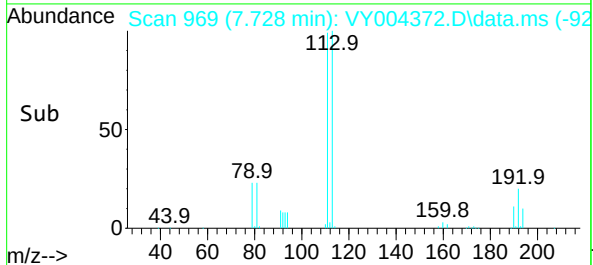
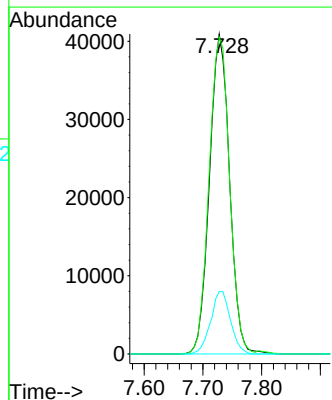
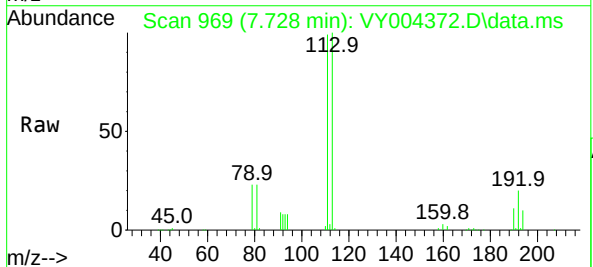
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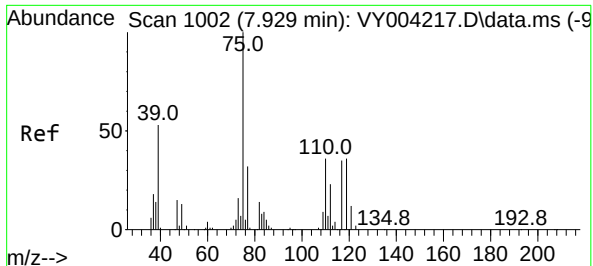
Tgt Ion:	114	Resp:	371689
Ion Ratio	Lower	Upper	
114	100		
63	21.1	0.0	40.4
88	15.7	0.0	30.8



#35
Dibromofluoromethane
Concen: 46.90 ug/l
RT: 7.728 min Scan# 969
Delta R.T. -0.000 min
Lab File: VY004372.D
Acq: 09 Apr 2021 20:48

Tgt Ion:	113	Resp:	97133
Ion Ratio	Lower	Upper	
113	100		
111	101.3	82.6	124.0
192	19.3	16.4	24.6

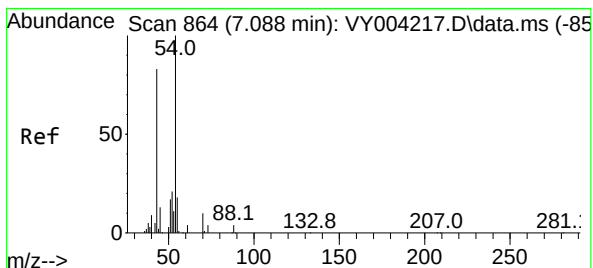
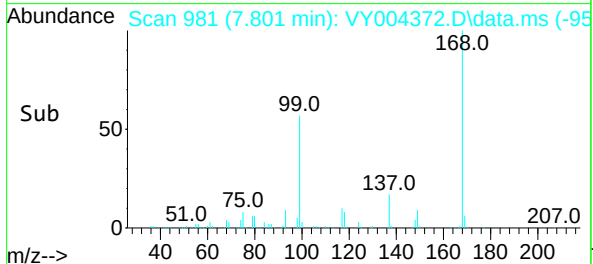
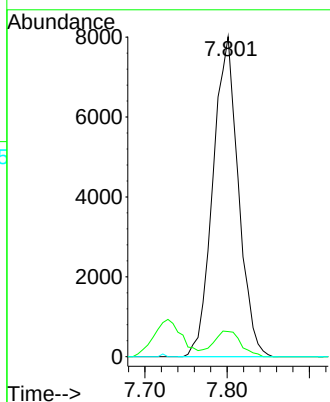
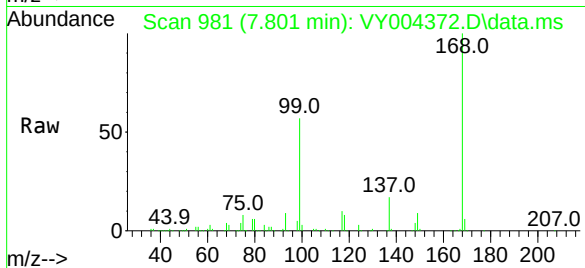




#36
1,1-Dichloropropene
Concen: 5.08 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.128 min
Lab File: VY004372.D
Acq: 09 Apr 2021 20:48

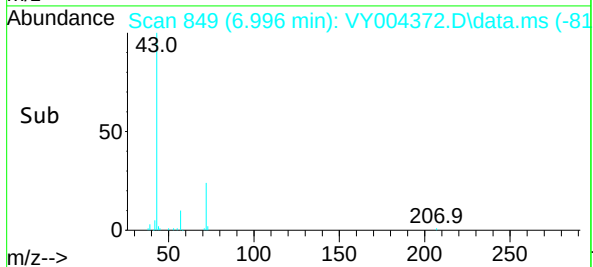
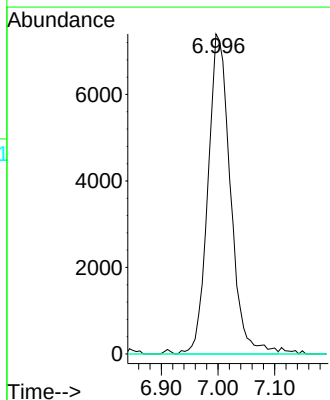
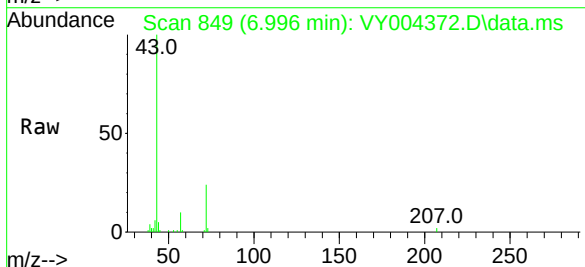
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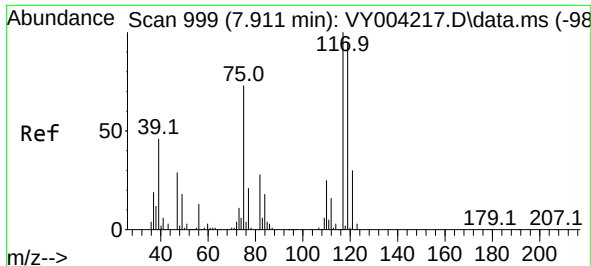
Tgt Ion: 75 Resp: 17224
Ion Ratio Lower Upper
75 100
110 8.8 18.1 54.3#
77 0.0 25.1 37.7#



#37
Ethyl Acetate
Concen: 10.20 ug/l
RT: 6.996 min Scan# 849
Delta R.T. -0.092 min
Lab File: VY004372.D
Acq: 09 Apr 2021 20:48

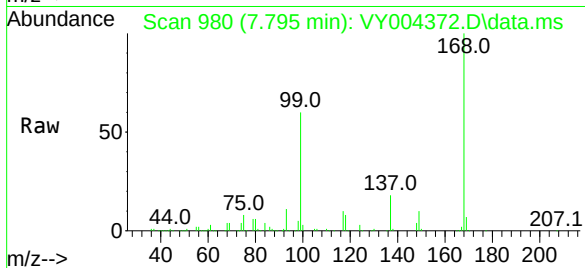
Tgt Ion: 43 Resp: 20303
Ion Ratio Lower Upper
43 100
61 0.0 10.2 15.2#
70 0.0 8.0 12.0#



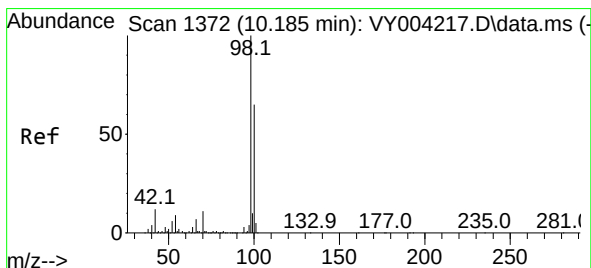
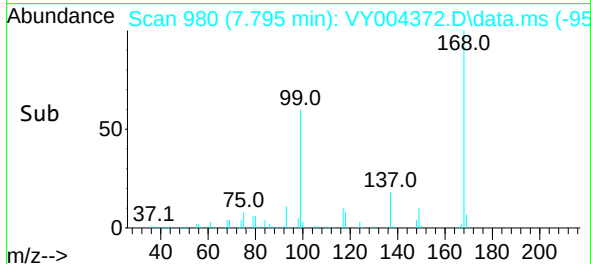
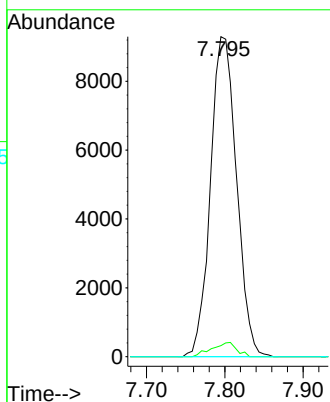


#38
Carbon Tetrachloride
Concen: 7.29 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.116 min
Lab File: VY004372.D
Acq: 09 Apr 2021 20:48

Instrument :
MSVOA_Y
ClientSampleId :
SB-3B

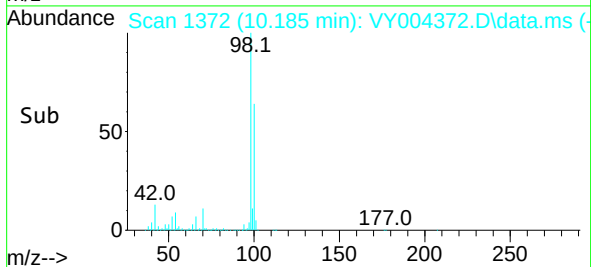
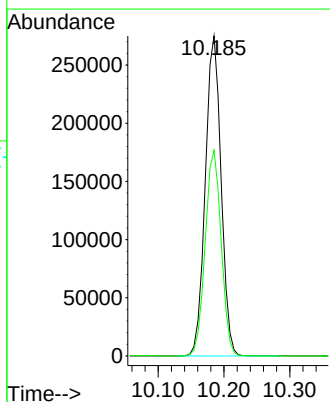
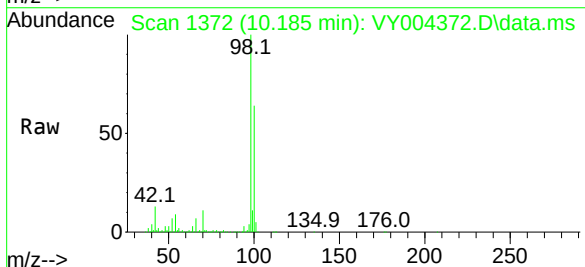


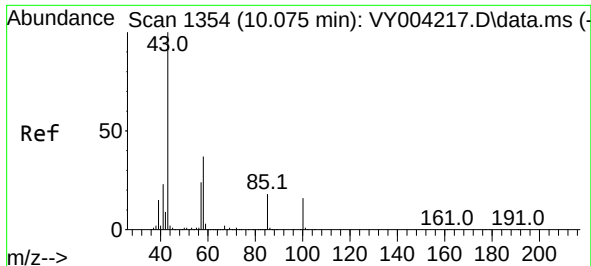
Tgt Ion: 117 Resp: 21523
Ion Ratio Lower Upper
117 100
119 3.5 75.6 113.4#
121 0.0 24.3 36.5#



#50
Toluene-d8
Concen: 58.96 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY004372.D
Acq: 09 Apr 2021 20:48

Tgt Ion: 98 Resp: 459241
Ion Ratio Lower Upper
98 100
100 64.9 52.5 78.7

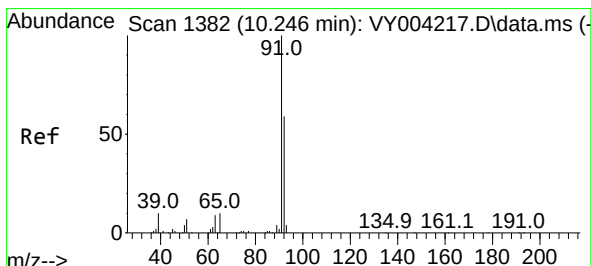
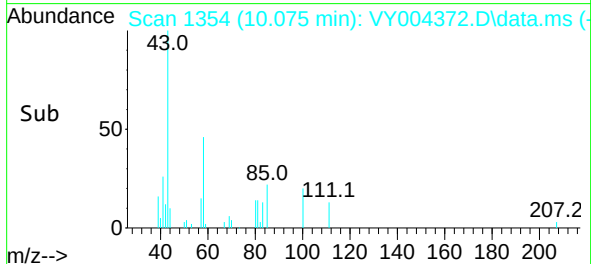
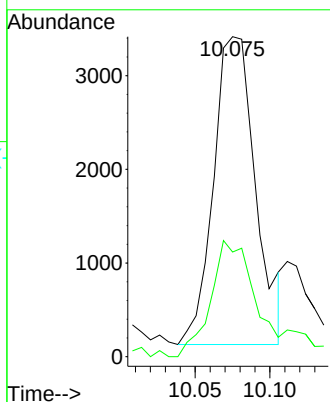
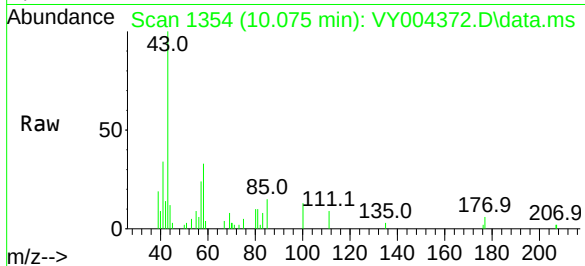




#51
4-Methyl-2-Pentanone
Concen: 3.35 ug/l
RT: 10.075 min Scan# 1354
Delta R.T. -0.000 min
Lab File: VY004372.D
Acq: 09 Apr 2021 20:48

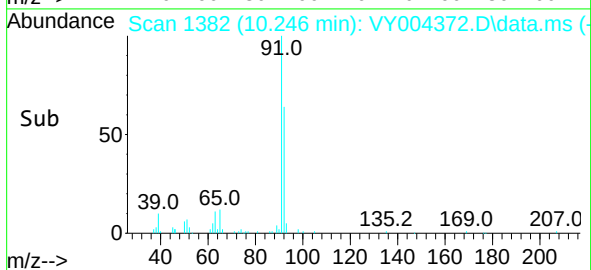
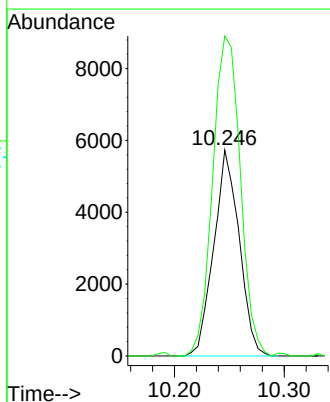
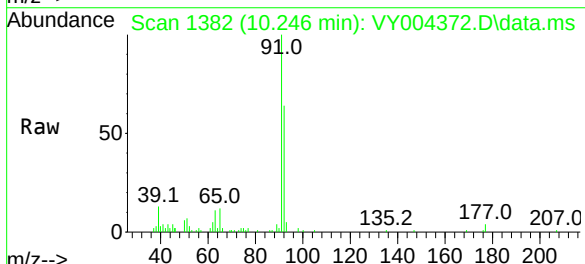
Instrument :
MSVOA_Y
ClientSampleId :
SB-3B

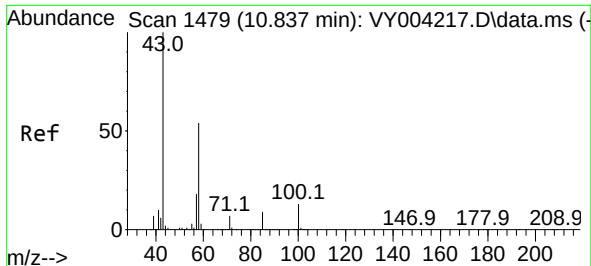
Tgt Ion: 43 Resp: 6431
Ion Ratio Lower Upper
43 100
58 44.5 30.6 45.8



#52
Toluene
Concen: 1.49 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. -0.000 min
Lab File: VY004372.D
Acq: 09 Apr 2021 20:48

Tgt Ion: 92 Resp: 9241
Ion Ratio Lower Upper
92 100
91 169.1 136.0 204.0

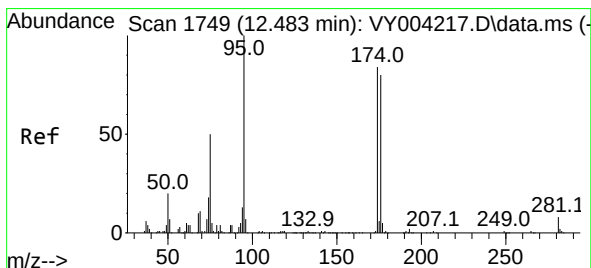
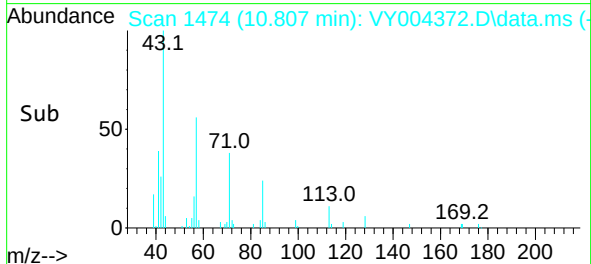
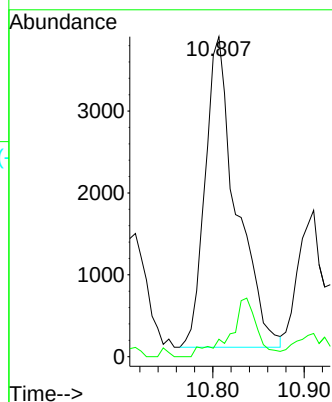
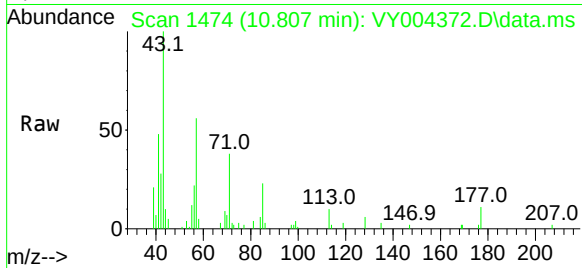




#59
2-Hexanone
Concen: 6.81 ug/l
RT: 10.807 min Scan# 1474
Delta R.T. -0.031 min
Lab File: VY004372.D
Acq: 09 Apr 2021 20:48

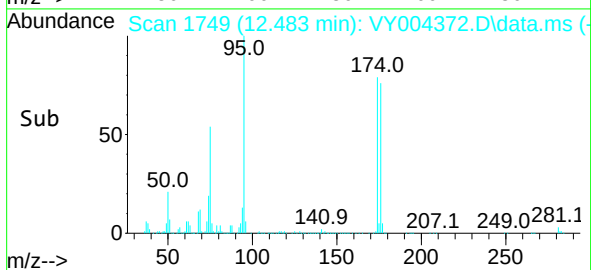
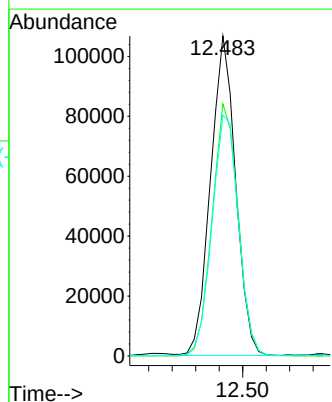
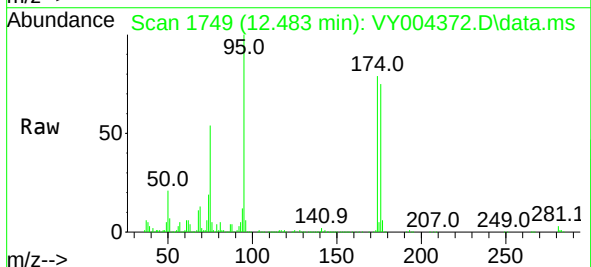
Instrument :
MSVOA_Y
ClientSampled :
SB-3B

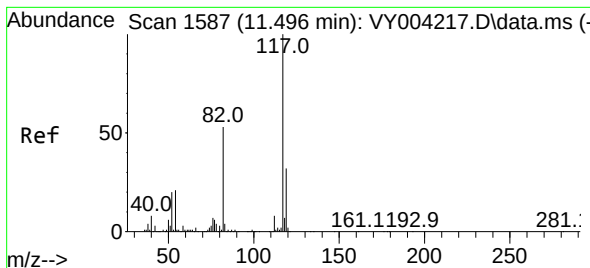
Tgt Ion: 43 Resp: 8992
Ion Ratio Lower Upper
43 100
58 0.0 26.7 80.1#



#62
4-Bromofluorobenzene
Concen: 59.22 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY004372.D
Acq: 09 Apr 2021 20:48

Tgt Ion: 95 Resp: 158095
Ion Ratio Lower Upper
95 100
174 81.7 0.0 171.4
176 79.8 0.0 165.6

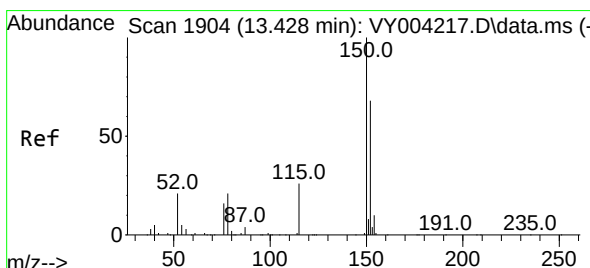
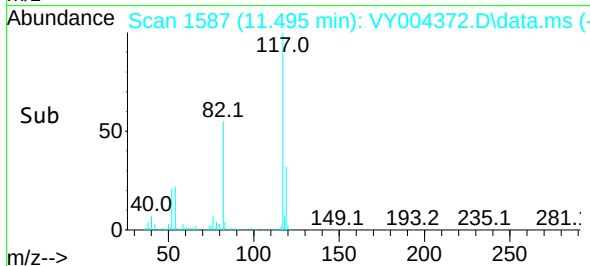
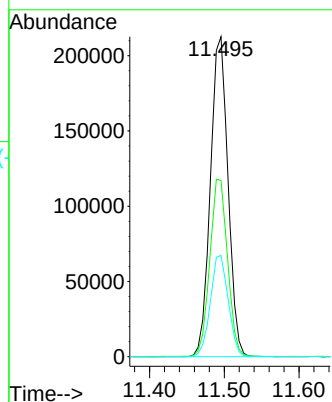
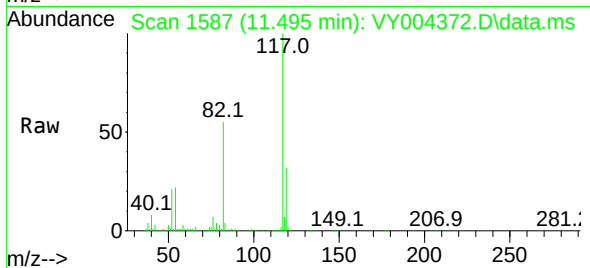




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY004372.D
Acq: 09 Apr 2021 20:48

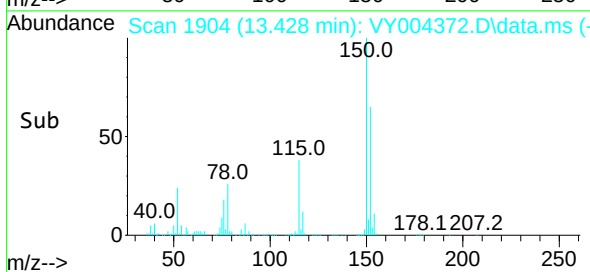
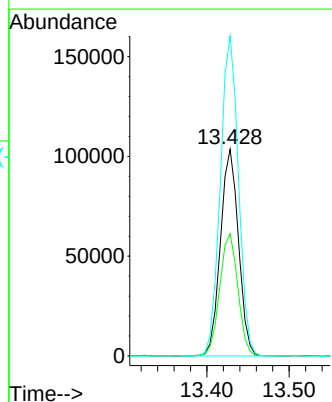
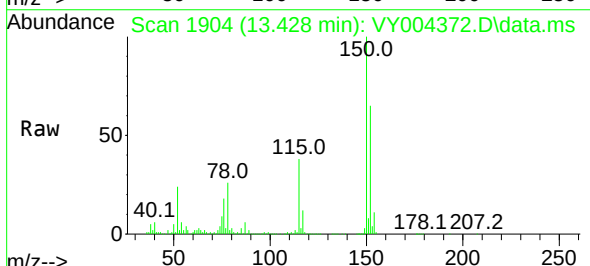
Instrument :
MSVOA_Y
ClientSampleId :
SB-3B

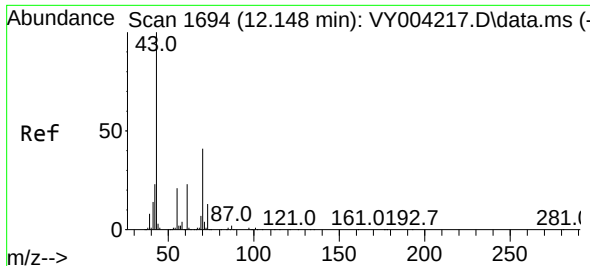
Tgt Ion:117 Resp: 347209
Ion Ratio Lower Upper
117 100
82 55.0 42.7 64.1
119 31.6 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY004372.D
Acq: 09 Apr 2021 20:48

Tgt Ion:152 Resp: 158250
Ion Ratio Lower Upper
152 100
115 59.6 29.0 87.1
150 155.1 0.0 347.4

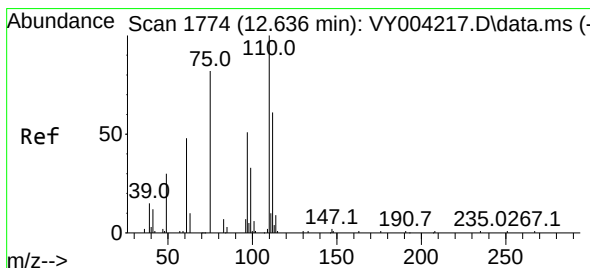
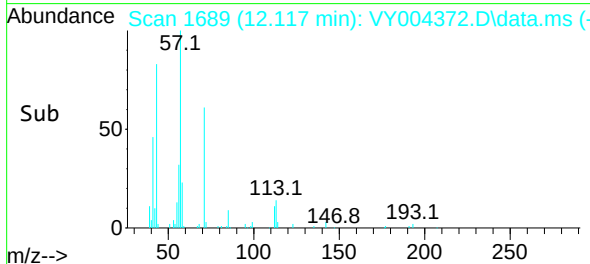
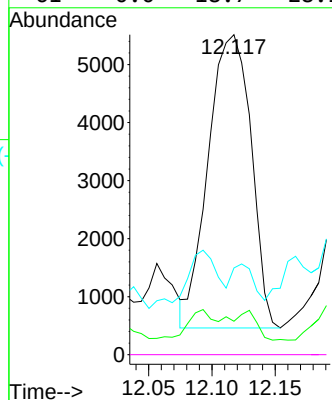
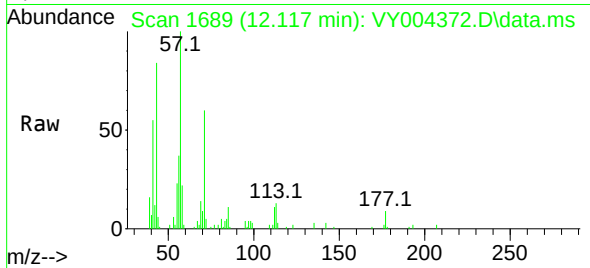




#74
N-amy1 acetate
Concen: 3.52 ug/l
RT: 12.117 min Scan# 1689
Delta R.T. -0.031 min
Lab File: VY004372.D
Acq: 09 Apr 2021 20:48

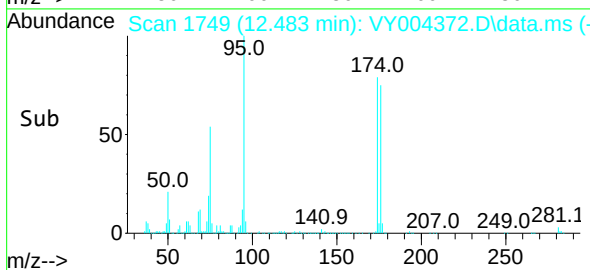
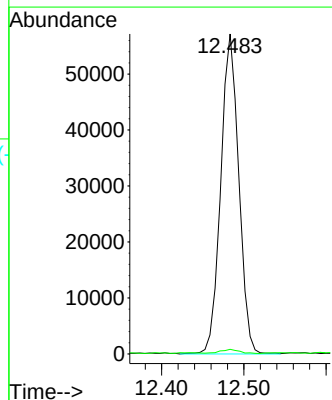
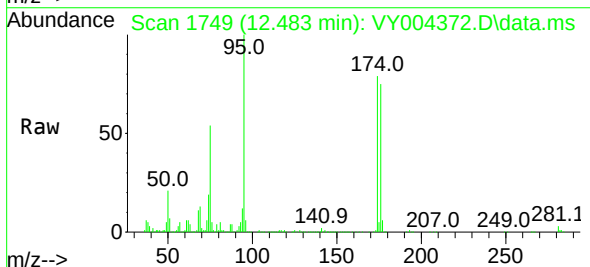
Instrument :
MSVOA_Y
ClientSampleId :
SB-3B

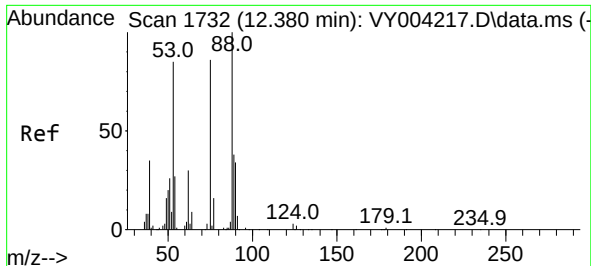
Tgt Ion: 43	Resp: 11904
Ion Ratio	Lower Upper
43 100	
70 0.0	32.6 49.0#
55 10.2	18.0 27.0#
61 0.0	18.7 28.1#



#76
1,2,3-Trichloropropane
Concen: 60.65 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY004372.D
Acq: 09 Apr 2021 20:48

Tgt Ion: 75	Resp: 87155
Ion Ratio	Lower Upper
75 100	
77 1.4	0.0 0.0#

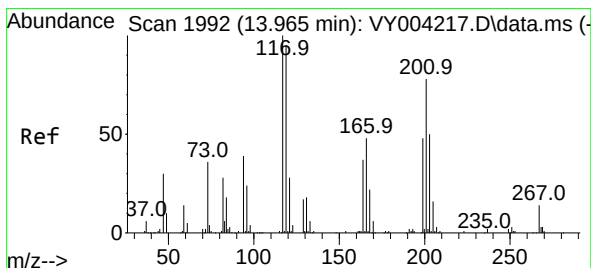
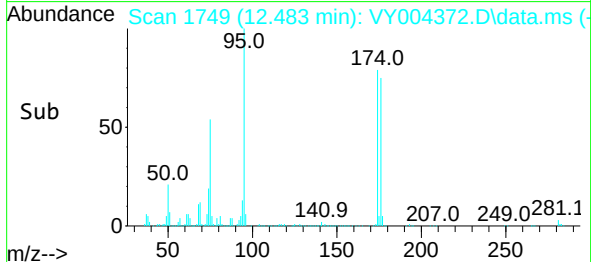
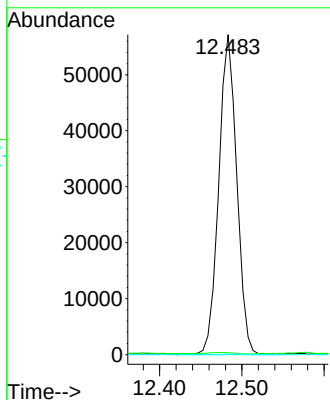
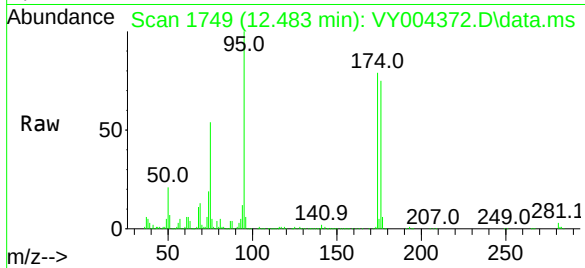




#81
 trans-1,4-Dichloro-2-butene
 Concen: 111.78 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. 0.103 min
 Lab File: VY004372.D
 Acq: 09 Apr 2021 20:48

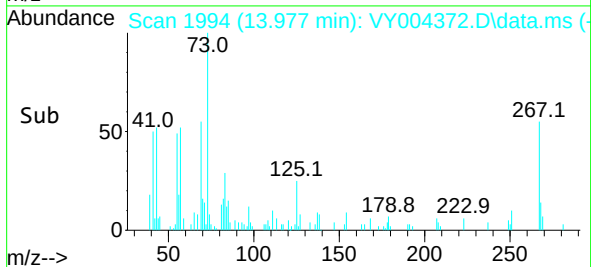
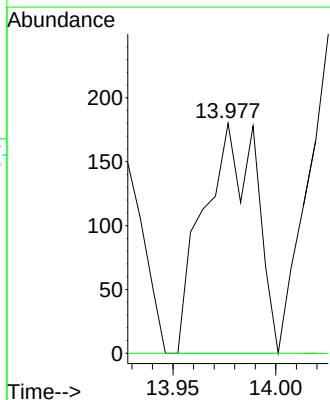
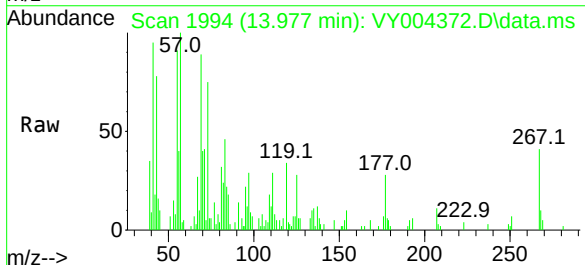
Instrument :
 MSVOA_Y
 ClientSampleId :
 SB-3B

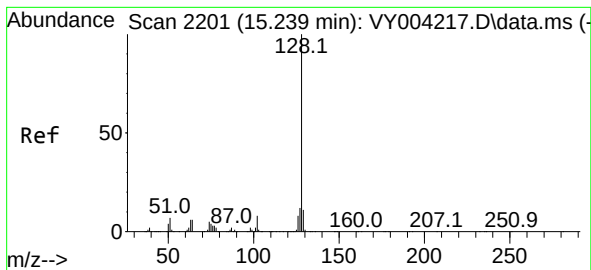
Tgt Ion: 75 Resp: 87155
 Ion Ratio Lower Upper
 75 100
 53 0.7 79.3 118.9#
 89 0.1 39.4 59.2#



#90
 Hexachloroethane
 Concen: 7.58 ug/l
 RT: 13.977 min Scan# 1994
 Delta R.T. 0.012 min
 Lab File: VY004372.D
 Acq: 09 Apr 2021 20:48

Tgt Ion: 117 Resp: 320
 Ion Ratio Lower Upper
 117 100
 201 0.0 37.6 112.9#





#95
Naphthalene
Concen: 1.18 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.006 min
Lab File: VY004372.D
Acq: 09 Apr 2021 20:48

Instrument :
MSVOA_Y
ClientSampleId :
SB-3B

Tgt Ion:128 Resp: 8054
Ion Ratio Lower Upper
128 100
127 15.2 10.1 15.1#
129 15.0 8.9 13.3#

