

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040221\
 Data File : VY004268.D
 Acq On : 02 Apr 2021 17:21
 Operator : SY/MD
 Sample : M1900-04RE
 Misc : 6.00g/5mL/MSVOA_Y/SOIL
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CHRT-20111RE

Quant Time: Apr 02 23:02:51 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)

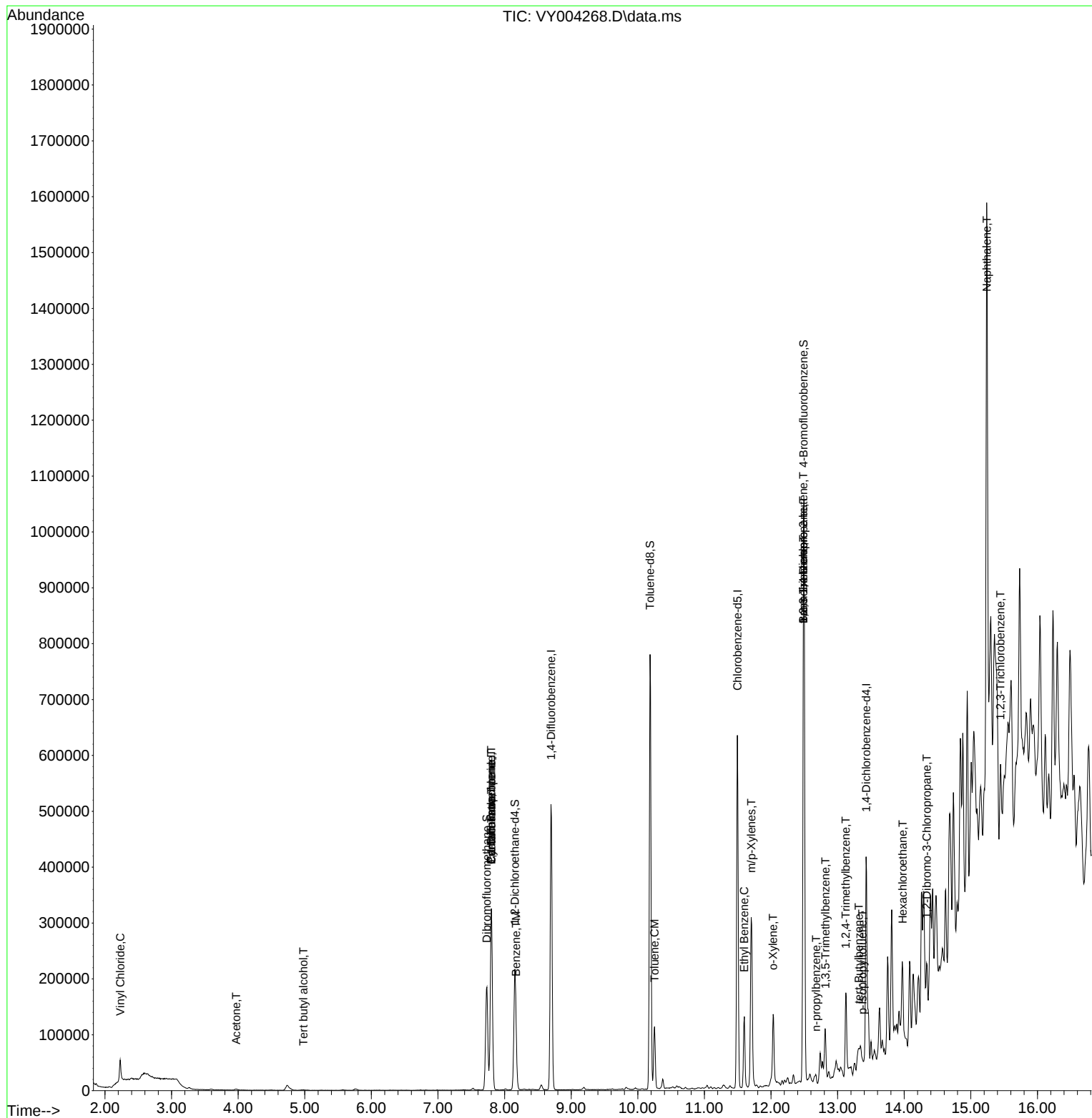
Internal Standards						
1) Pentafluorobenzene	7.801	168	248411	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	428672	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	333522	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	95631	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	146256	61.25	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 122.50%			
35) Dibromofluoromethane	7.734	113	130009	54.43	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.86%			
50) Toluene-d8	10.185	98	496744	55.29	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 110.58%			
62) 4-Bromofluorobenzene	12.489	95	128509	41.74	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 83.48%			
Target Compounds						Qvalue
4) Vinyl Chloride	2.229	62	10213	3.16	ug/l #	42
11) Tert butyl alcohol	4.978	59	851	4.38	ug/l #	71
13) Acrolein	3.735	56	70	Below Cal	#	1
16) Acetone	3.972	43	3799	7.64	ug/l	93
31) Cyclohexane	7.801	56	5681	1.35	ug/l #	17
36) 1,1-Dichloropropene	7.801	75	19436	4.97	ug/l #	48
38) Carbon Tetrachloride	7.801	117	24158	7.10	ug/l #	17
40) Benzene	8.173	78	45580	4.11	ug/l	99
49) 1,4-Dioxane	9.295	88	98	Below Cal	#	20
52) Toluene	10.252	92	45219	6.34	ug/l	97
67) Ethyl Benzene	11.599	91	85452	7.07	ug/l	99
68) m/p-Xylenes	11.703	106	90521	19.52	ug/l	98
69) o-Xylene	12.032	106	31920	7.36	ug/l	98
76) 1,2,3-Trichloropropane	12.483	75	73912	85.11	ug/l #	100
77) Bromobenzene	12.483	156	11108	6.79	ug/l #	1
78) n-propylbenzene	12.678	91	12064	1.49	ug/l	98
80) 1,3,5-Trimethylbenzene	12.818	105	22415	3.93	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.483	75	73912	156.87	ug/l #	12
83) tert-Butylbenzene	13.318	119	8550	1.74	ug/l	79
84) 1,2,4-Trimethylbenzene	13.123	105	77141	13.49	ug/l	100
86) p-Isopropyltoluene	13.373	119	7876	1.25	ug/l #	74
90) Hexachloroethane	13.977	117	4562	14.25	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.336	75	308	1.28	ug/l #	1
95) Naphthalene	15.239	128	931814	225.63	ug/l	99
96) 1,2,3-Trichlorobenzene	15.446	180	8045	4.52	ug/l #	1

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

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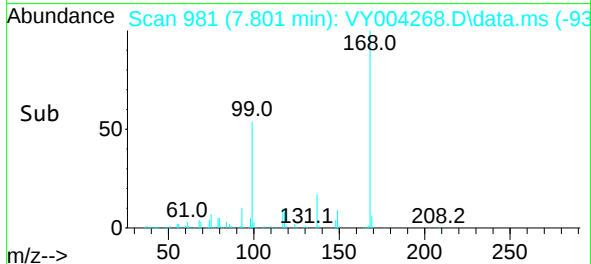
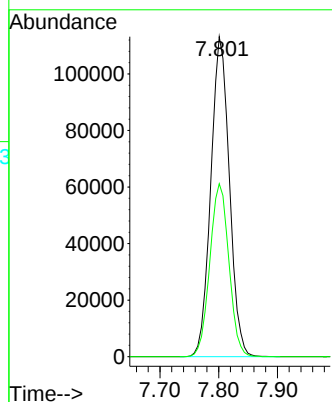
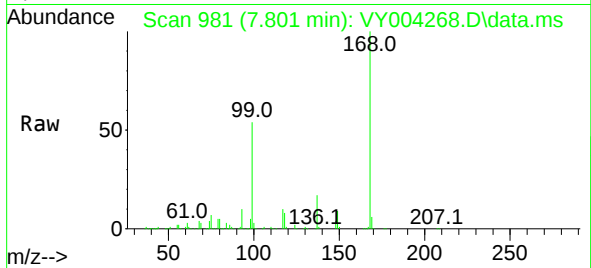




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.000 min
Lab File: VY004268.D
Acq: 02 Apr 2021 17:21

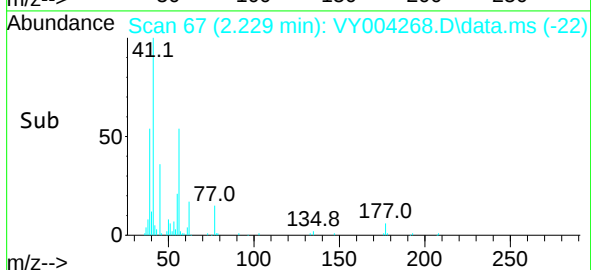
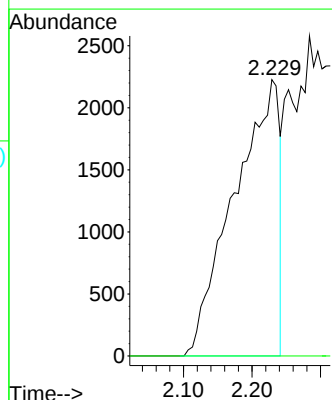
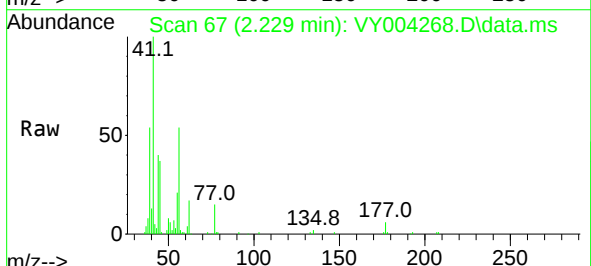
Instrument :
MSVOA_Y
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CHRT-20111RE

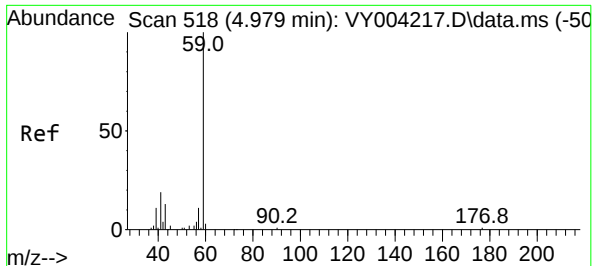
Tgt Ion:168 Resp: 248411
Ion Ratio Lower Upper
168 100
99 54.0 42.6 64.0



#4
Vinyl Chloride
Concen: 3.16 ug/l
RT: 2.229 min Scan# 67
Delta R.T. -0.025 min
Lab File: VY004268.D
Acq: 02 Apr 2021 17:21

Tgt Ion: 62 Resp: 10213
Ion Ratio Lower Upper
62 100
64 0.0 26.0 39.0#



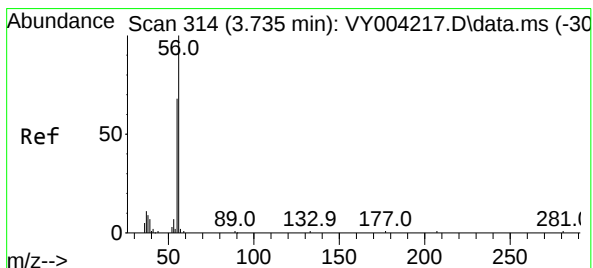
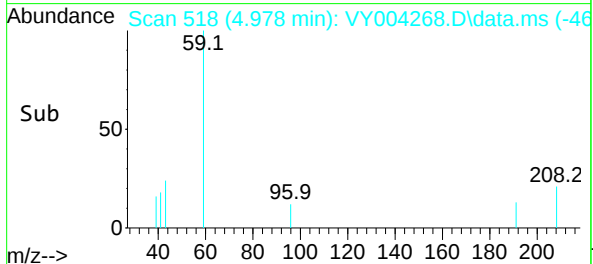
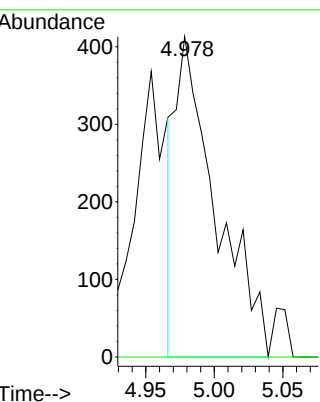
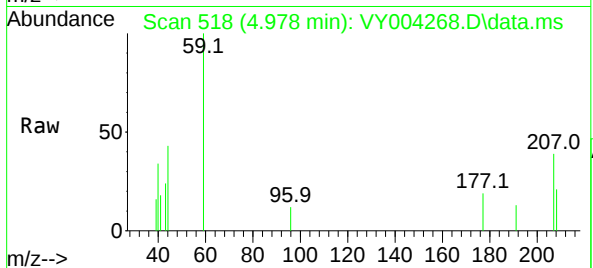


#11

Tert butyl alcohol
Concen: 4.38 ug/l
RT: 4.978 min Scan# 518
Delta R.T. -0.000 min
Lab File: VY004268.D
Acq: 02 Apr 2021 17:21

Instrument :
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ClientSampleId :
CHRT-20111RE

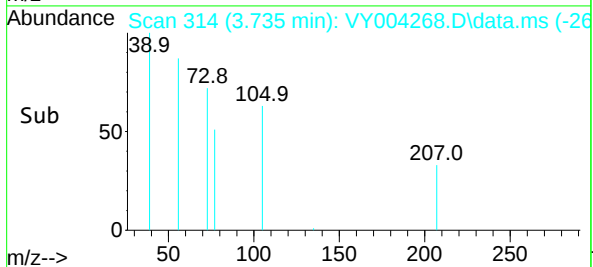
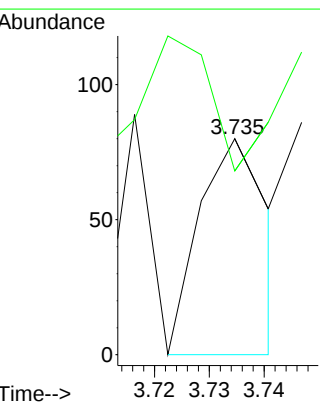
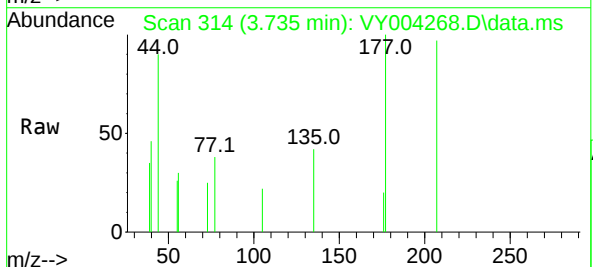
Tgt Ion: 59 Resp: 851
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#

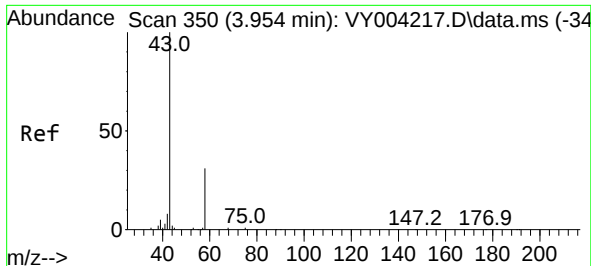


#13

Acrolein
Concen: Below Cal
RT: 3.735 min Scan# 314
Delta R.T. -0.000 min
Lab File: VY004268.D
Acq: 02 Apr 2021 17:21

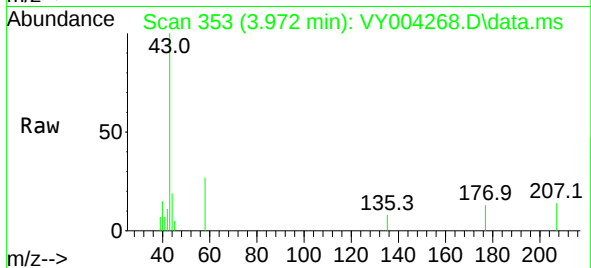
Tgt Ion: 56 Resp: 70
Ion Ratio Lower Upper
56 100
55 292.9 55.0 82.4#



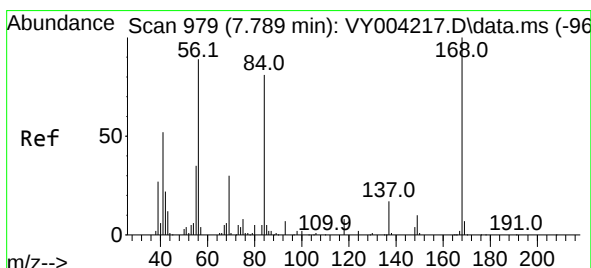
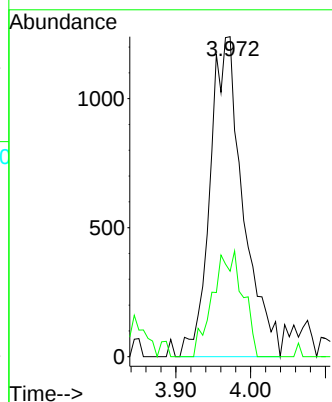
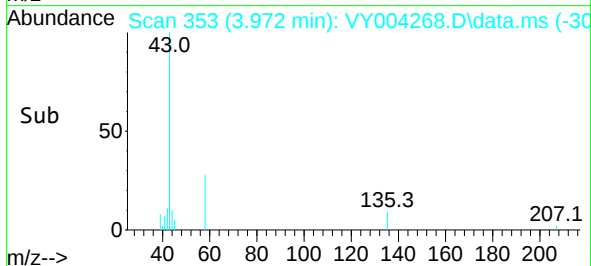


#16
Acetone
Concen: 7.64 ug/l
RT: 3.972 min Scan# 353
Delta R.T. 0.018 min
Lab File: VY004268.D
Acq: 02 Apr 2021 17:21

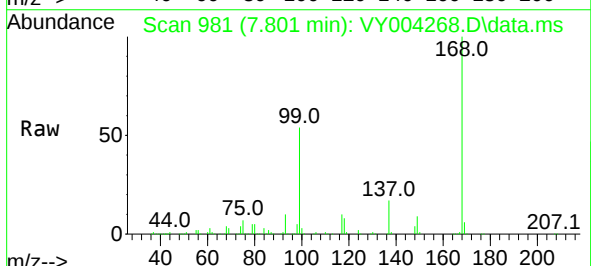
Instrument :
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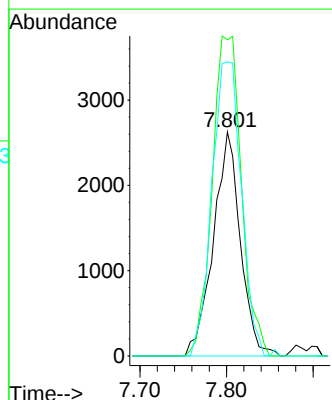
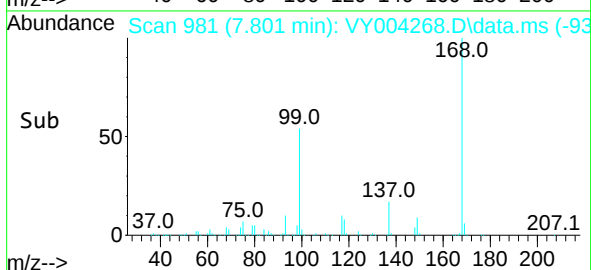
Tgt Ion: 43 Resp: 3799
Ion Ratio Lower Upper
43 100
58 26.7 24.5 36.7

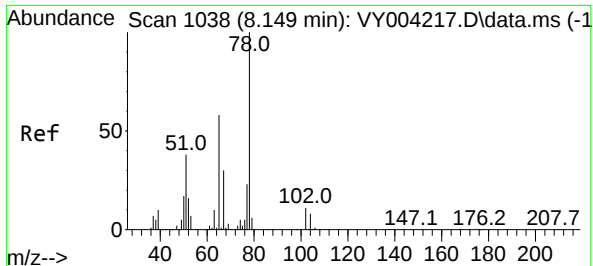


#31
Cyclohexane
Concen: 1.35 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY004268.D
Acq: 02 Apr 2021 17:21



Tgt Ion: 56 Resp: 5681
Ion Ratio Lower Upper
56 100
69 141.2 26.6 40.0#
84 131.3 72.3 108.5#

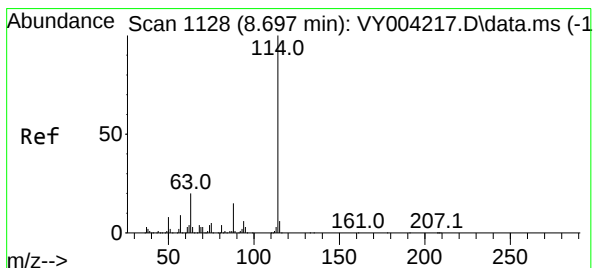
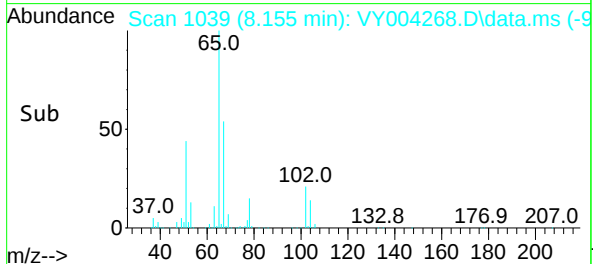
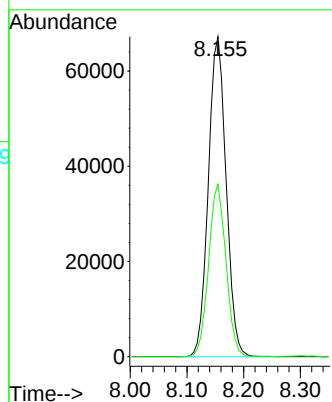
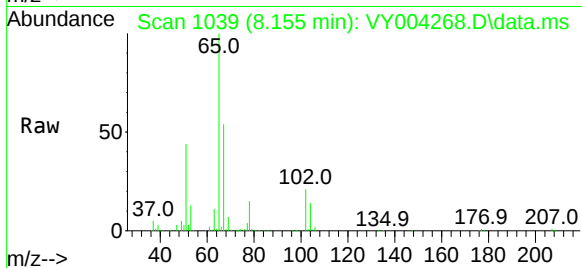




#33
1,2-Dichloroethane-d4
Concen: 61.25 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.006 min
Lab File: VY004268.D
Acq: 02 Apr 2021 17:21

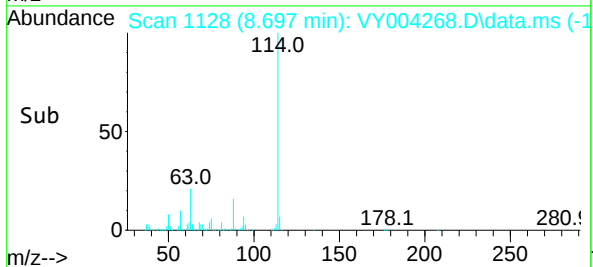
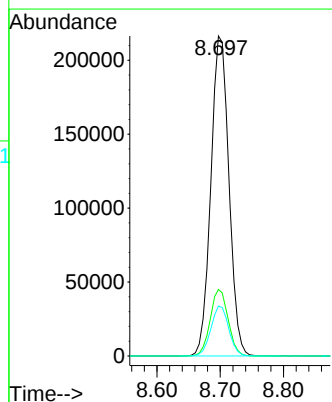
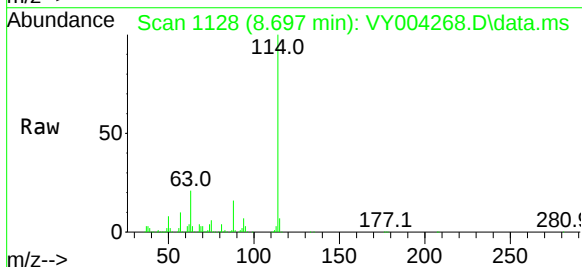
Instrument :
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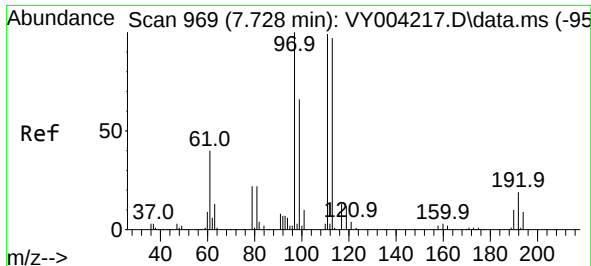
Tgt Ion: 65 Resp: 146256
Ion Ratio Lower Upper
65 100
67 52.7 0.0 103.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY004268.D
Acq: 02 Apr 2021 17:21

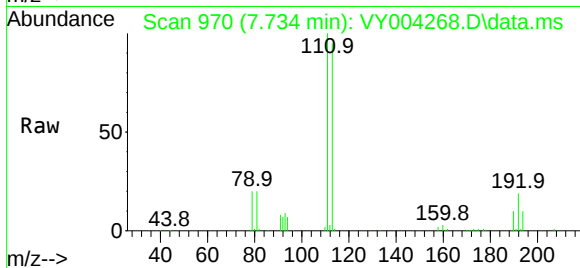
Tgt Ion: 114 Resp: 428672
Ion Ratio Lower Upper
114 100
63 20.8 0.0 40.4
88 15.6 0.0 30.8



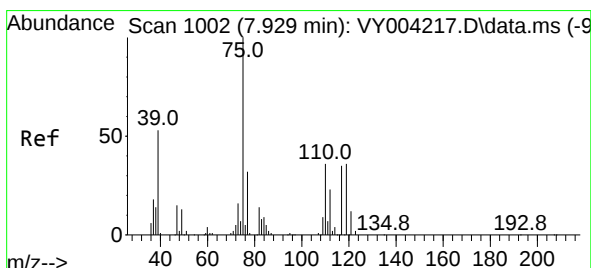
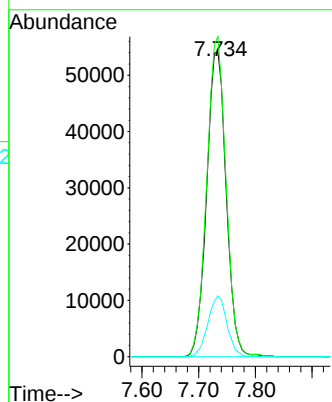
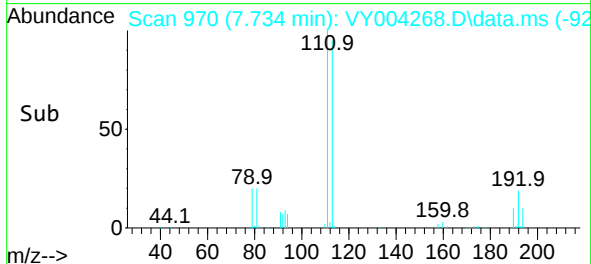


#35
Dibromofluoromethane
Concen: 54.43 ug/l
RT: 7.734 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY004268.D
Acq: 02 Apr 2021 17:21

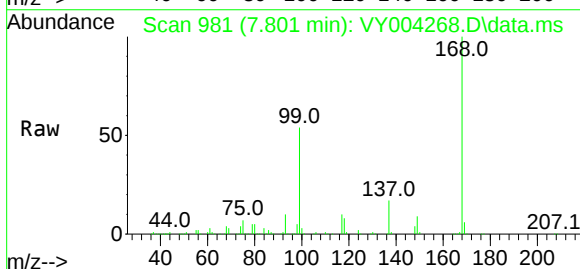
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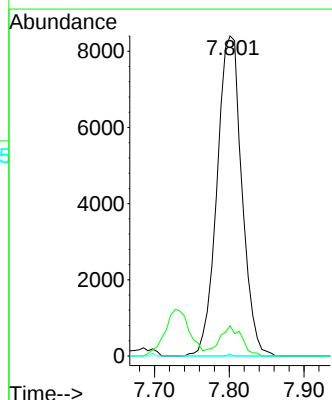
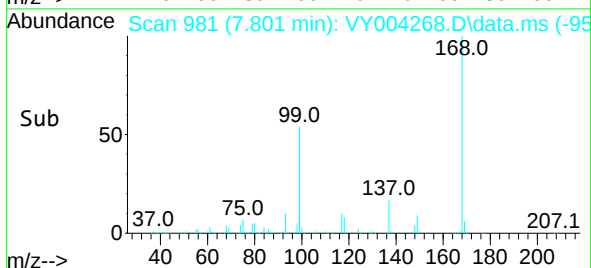
Tgt Ion:113 Resp: 130009
Ion Ratio Lower Upper
113 100
111 103.4 82.6 124.0
192 19.5 16.4 24.6

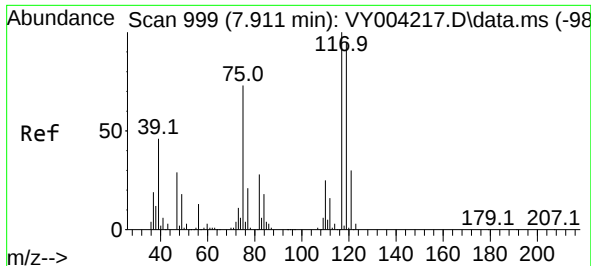


#36
1,1-Dichloropropene
Concen: 4.97 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.128 min
Lab File: VY004268.D
Acq: 02 Apr 2021 17:21



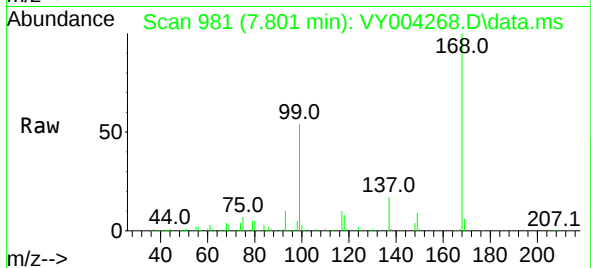
Tgt Ion: 75 Resp: 19436
Ion Ratio Lower Upper
75 100
110 8.2 18.1 54.3#
77 0.0 25.1 37.7#



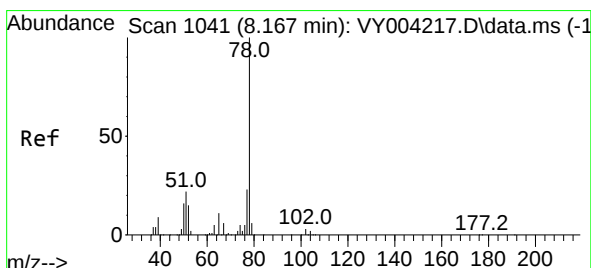
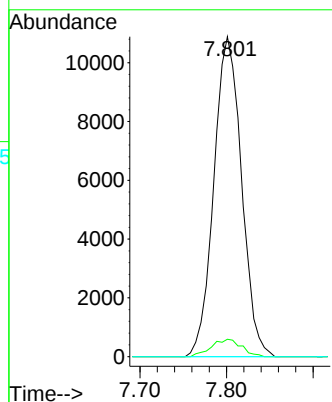
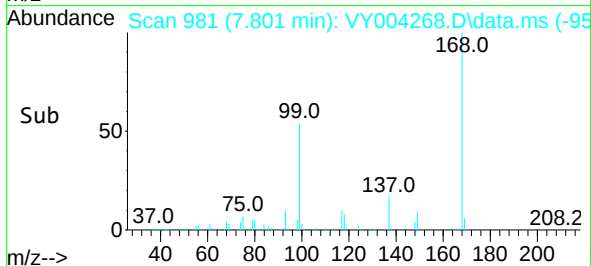


#38
Carbon Tetrachloride
Concen: 7.10 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.110 min
Lab File: VY004268.D
Acq: 02 Apr 2021 17:21

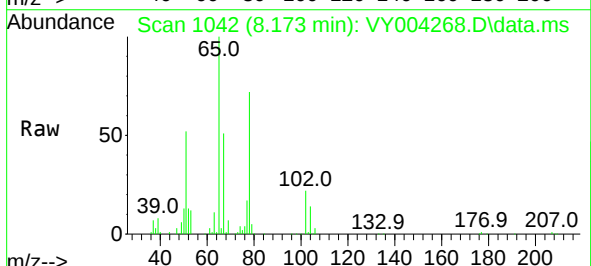
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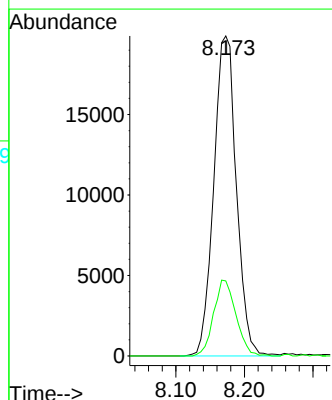
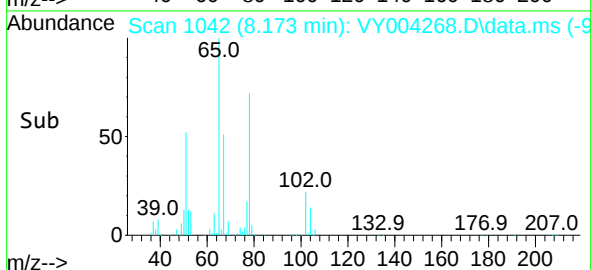
Tgt Ion:117 Resp: 24158
Ion Ratio Lower Upper
117 100
119 5.4 75.6 113.4#
121 0.0 24.3 36.5#

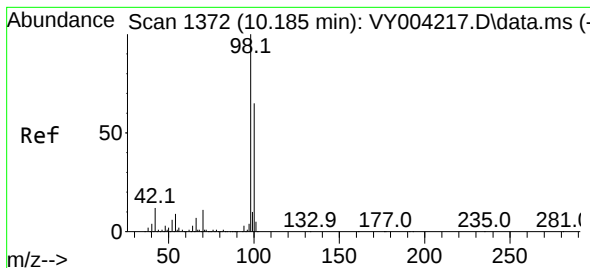


#40
Benzene
Concen: 4.11 ug/l
RT: 8.173 min Scan# 1042
Delta R.T. 0.006 min
Lab File: VY004268.D
Acq: 02 Apr 2021 17:21



Tgt Ion: 78 Resp: 45580
Ion Ratio Lower Upper
78 100
77 23.5 18.3 27.5

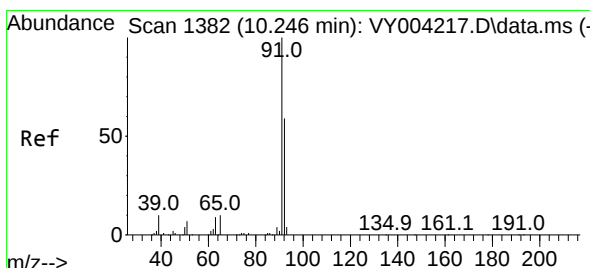
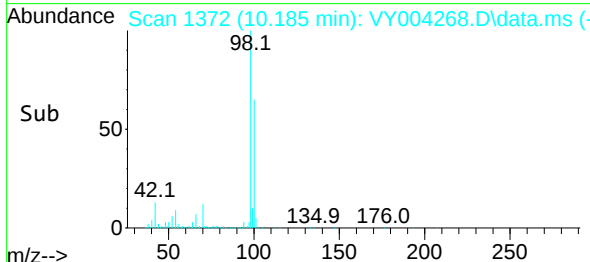
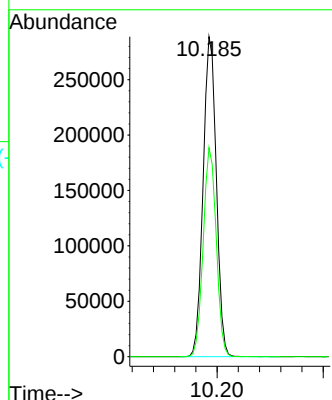
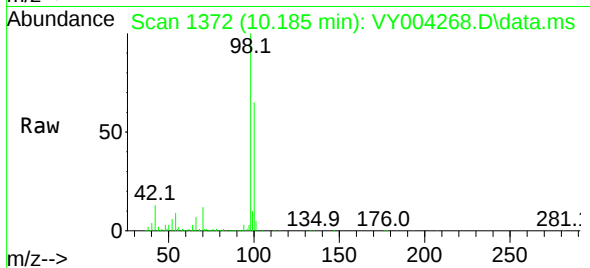




#50
Toluene-d8
Concen: 55.29 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY004268.D
Acq: 02 Apr 2021 17:21

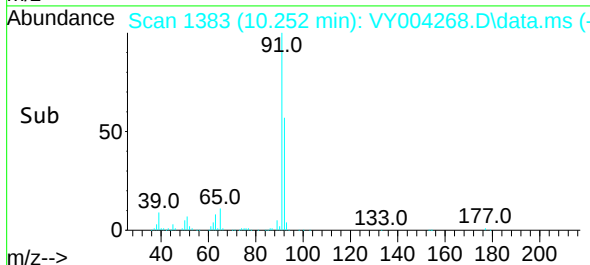
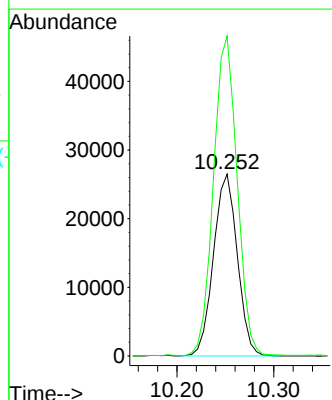
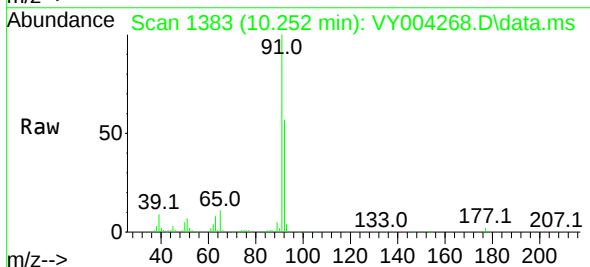
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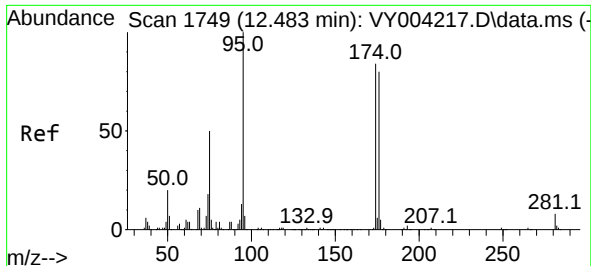
Tgt Ion: 98 Resp: 496744
Ion Ratio Lower Upper
98 100
100 64.6 52.5 78.7



#52
Toluene
Concen: 6.34 ug/l
RT: 10.252 min Scan# 1383
Delta R.T. 0.006 min
Lab File: VY004268.D
Acq: 02 Apr 2021 17:21

Tgt Ion: 92 Resp: 45219
Ion Ratio Lower Upper
92 100
91 174.1 136.0 204.0

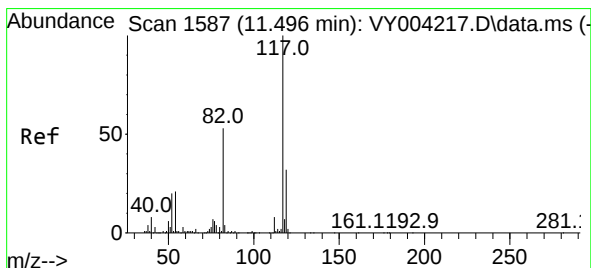
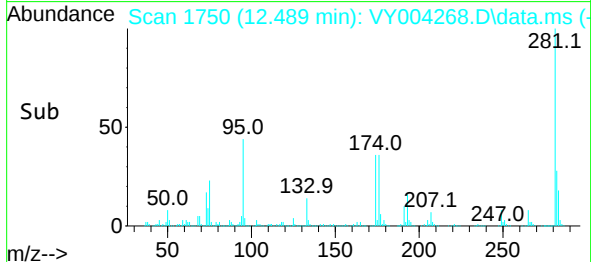
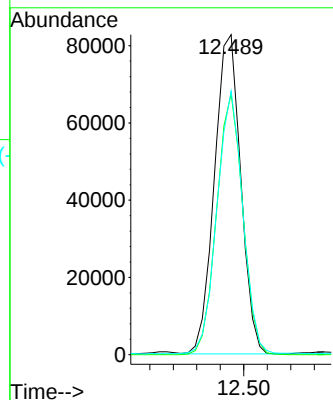
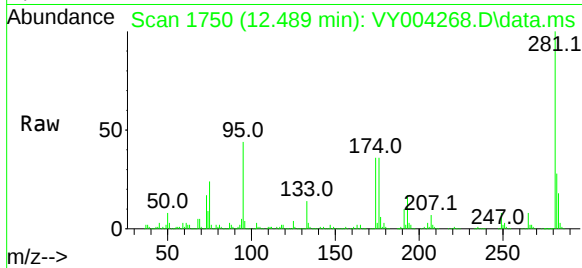




#62
4-Bromofluorobenzene
Concen: 41.74 ug/l
RT: 12.489 min Scan# 1750
Delta R.T. 0.006 min
Lab File: VY004268.D
Acq: 02 Apr 2021 17:21

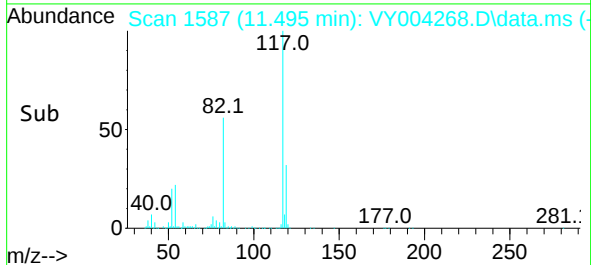
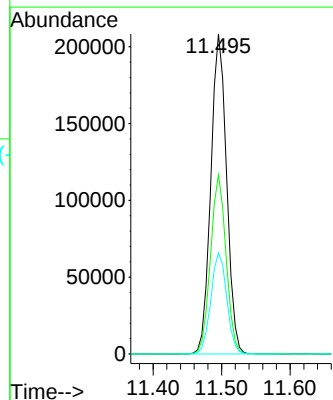
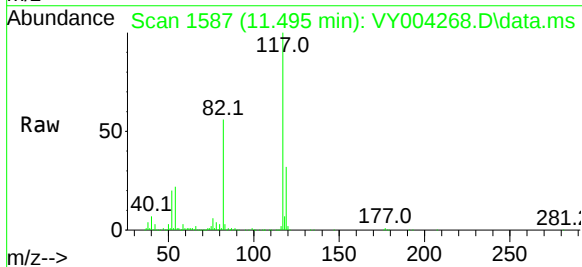
Instrument :
MSVOA_Y
ClientSampleId :
CHRT-20111RE

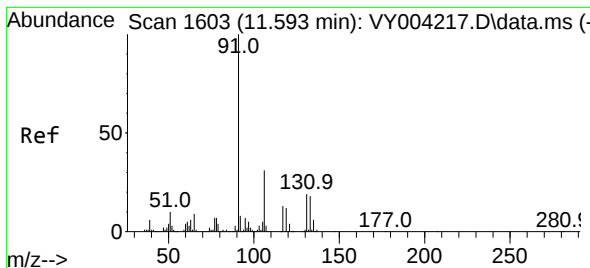
Tgt Ion: 95 Resp: 128509
Ion Ratio Lower Upper
95 100
174 80.8 0.0 171.4
176 80.9 0.0 165.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY004268.D
Acq: 02 Apr 2021 17:21

Tgt Ion: 117 Resp: 333522
Ion Ratio Lower Upper
117 100
82 55.9 42.7 64.1
119 31.6 25.7 38.5

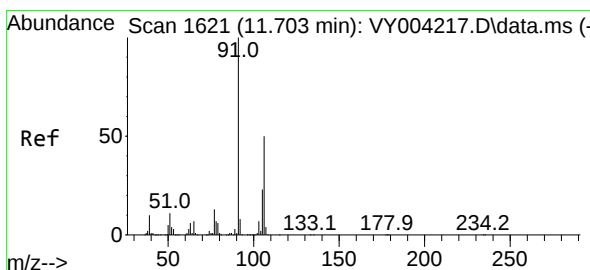
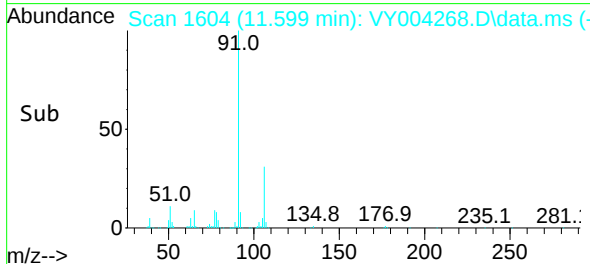
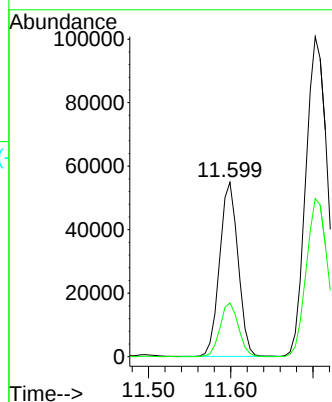
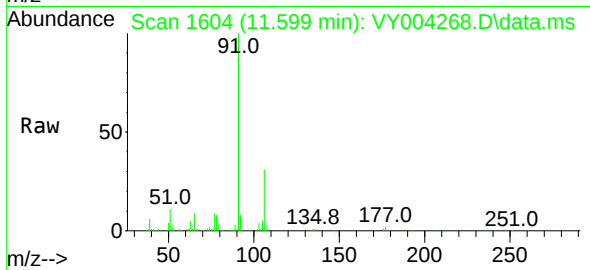




#67
Ethyl Benzene
Concen: 7.07 ug/l
RT: 11.599 min Scan# 1604
Delta R.T. 0.006 min
Lab File: VY004268.D
Acq: 02 Apr 2021 17:21

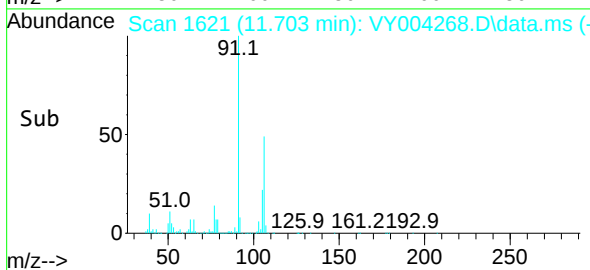
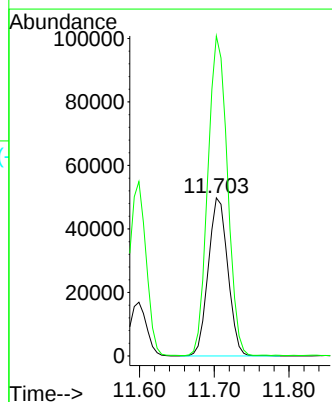
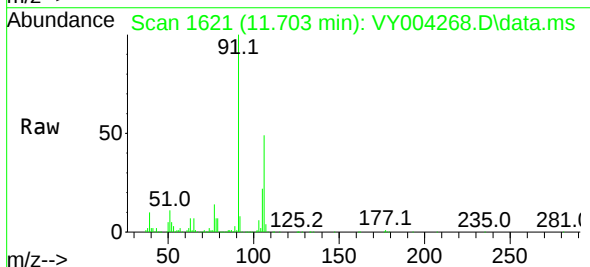
Instrument :
MSVOA_Y
ClientSampleId :
CHRT-20111RE

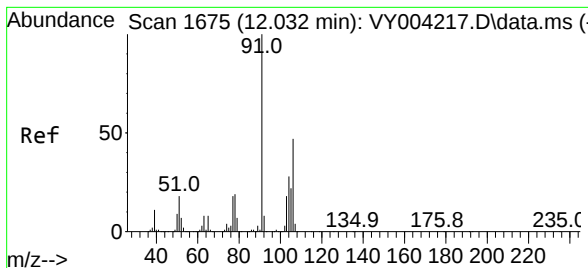
Tgt Ion: 91 Resp: 85452
Ion Ratio Lower Upper
91 100
106 30.9 25.0 37.6



#68
m/p-Xylenes
Concen: 19.52 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. -0.000 min
Lab File: VY004268.D
Acq: 02 Apr 2021 17:21

Tgt Ion:106 Resp: 90521
Ion Ratio Lower Upper
106 100
91 202.8 159.8 239.6

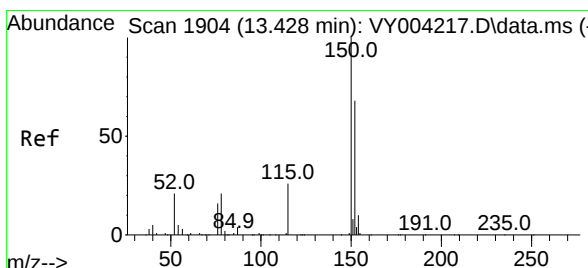
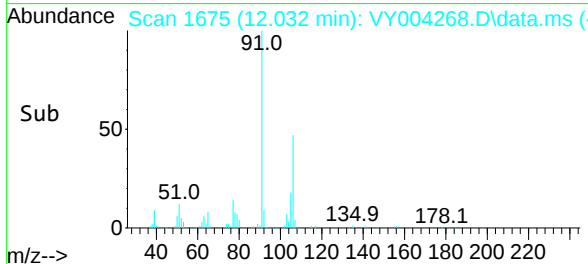
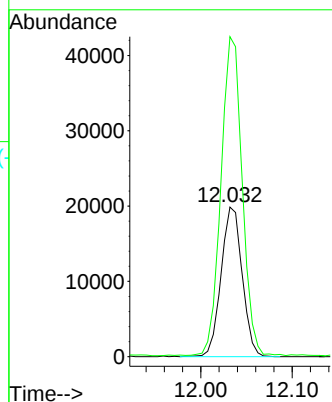
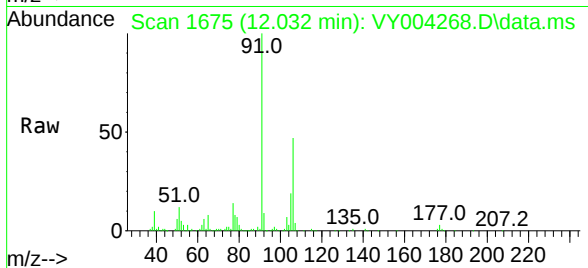




#69
o-Xylene
Concen: 7.36 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VY004268.D
Acq: 02 Apr 2021 17:21

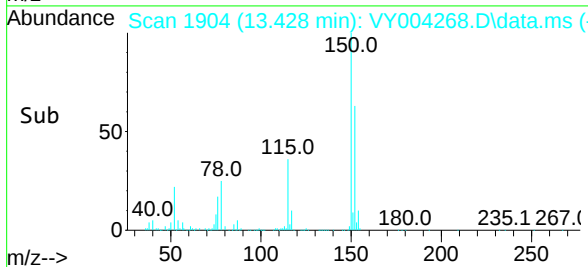
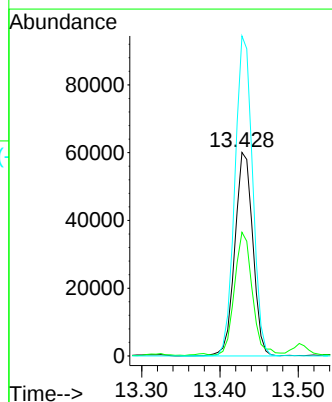
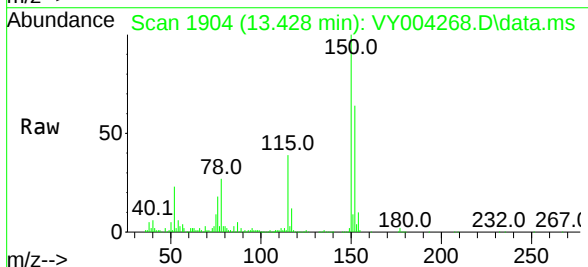
Instrument :
MSVOA_Y
ClientSampleId :
CHRT-20111RE

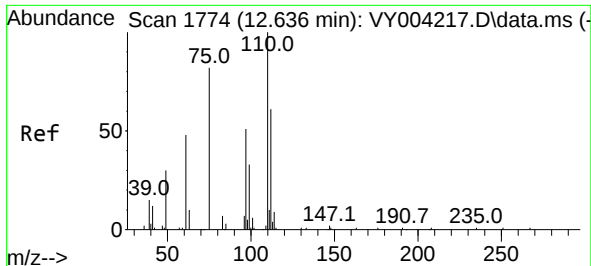
Tgt Ion:106 Resp: 31920
Ion Ratio Lower Upper
106 100
91 213.8 105.6 316.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY004268.D
Acq: 02 Apr 2021 17:21

Tgt Ion:152 Resp: 95631
Ion Ratio Lower Upper
152 100
115 59.6 29.0 87.1
150 154.5 0.0 347.4

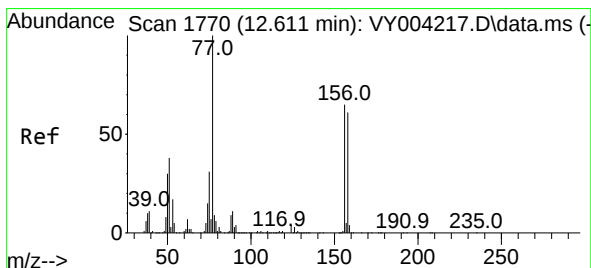
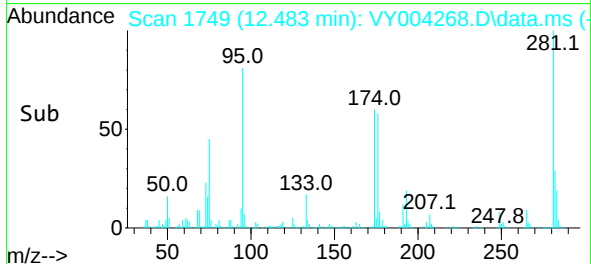
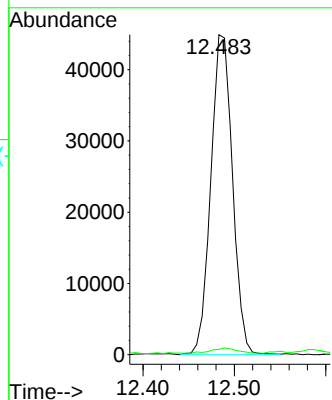
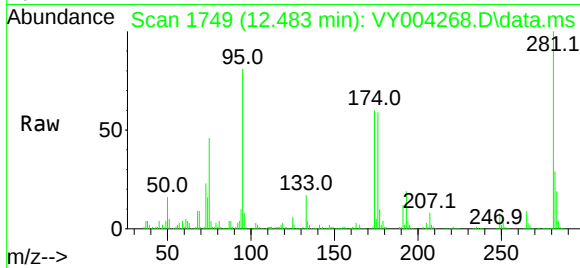




#76
1,2,3-Trichloropropane
Concen: 85.11 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY004268.D
Acq: 02 Apr 2021 17:21

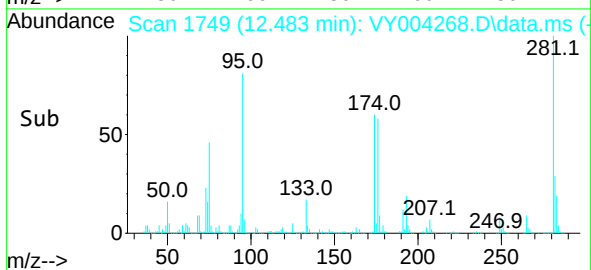
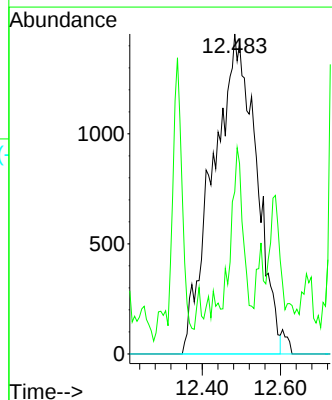
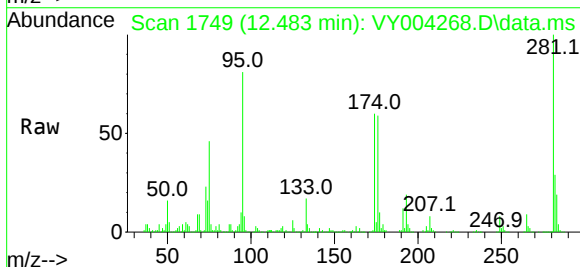
Instrument :
MSVOA_Y
ClientSampleId :
CHRT-20111RE

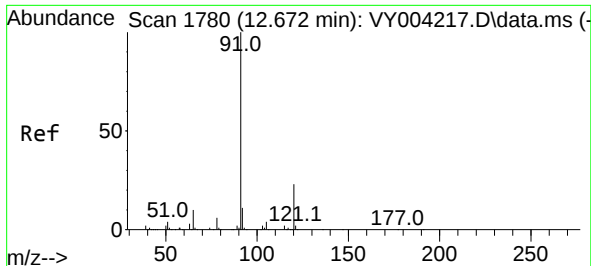
Tgt Ion: 75 Resp: 73912
Ion Ratio Lower Upper
75 100
77 2.3 0.0 0.0#



#77
Bromobenzene
Concen: 6.79 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.128 min
Lab File: VY004268.D
Acq: 02 Apr 2021 17:21

Tgt Ion:156 Resp: 11108
Ion Ratio Lower Upper
156 100
77 14.8 88.6 265.9#
158 0.0 48.3 144.9#

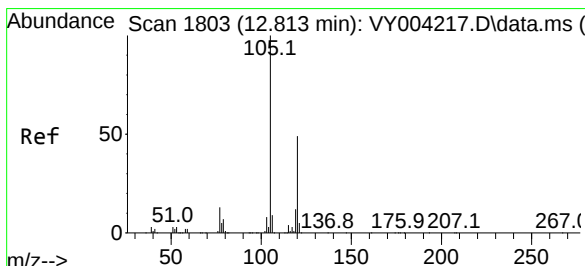
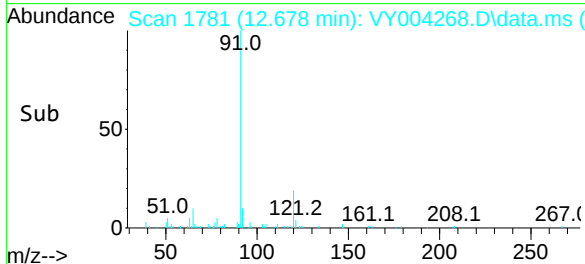
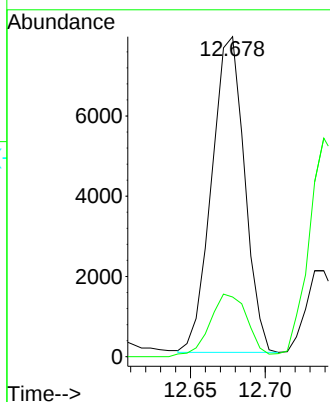
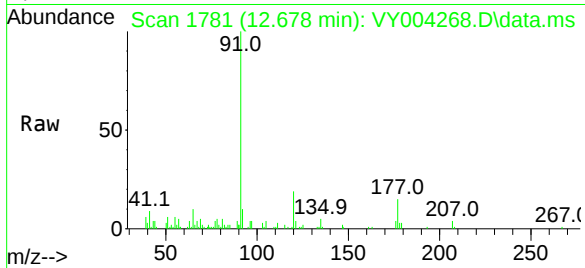




#78
n-propylbenzene
Concen: 1.49 ug/l
RT: 12.678 min Scan# 1781
Delta R.T. 0.006 min
Lab File: VY004268.D
Acq: 02 Apr 2021 17:21

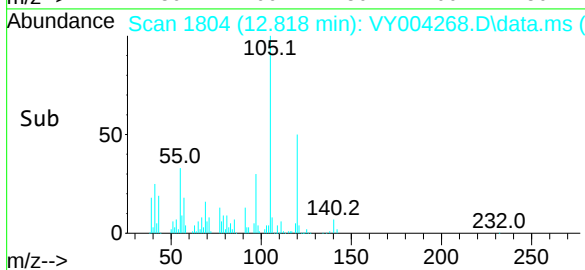
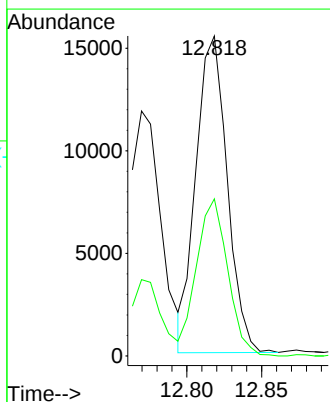
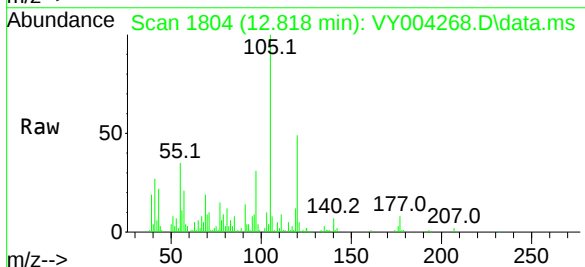
Instrument :
MSVOA_Y
ClientSampleId :
CHRT-20111RE

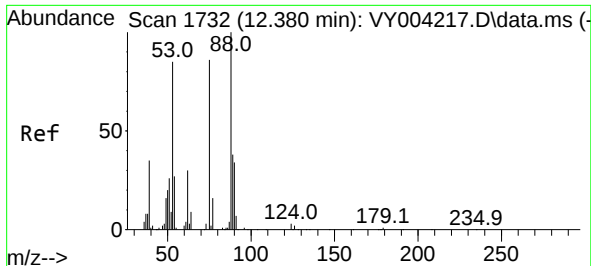
Tgt Ion: 91 Resp: 12064
Ion Ratio Lower Upper
91 100
120 22.5 11.9 35.5



#80
1,3,5-Trimethylbenzene
Concen: 3.93 ug/l
RT: 12.818 min Scan# 1804
Delta R.T. 0.006 min
Lab File: VY004268.D
Acq: 02 Apr 2021 17:21

Tgt Ion: 105 Resp: 22415
Ion Ratio Lower Upper
105 100
120 49.6 24.9 74.7

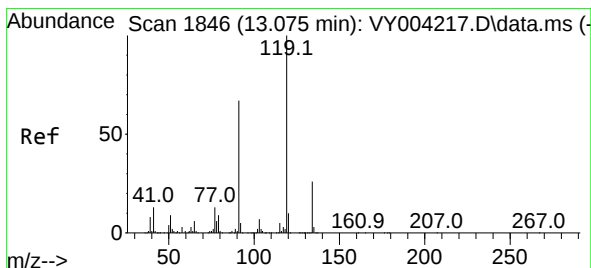
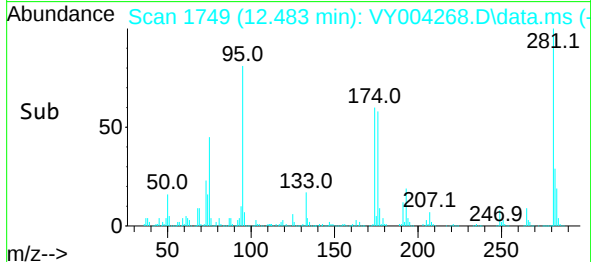
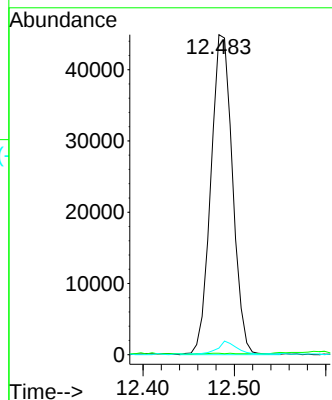
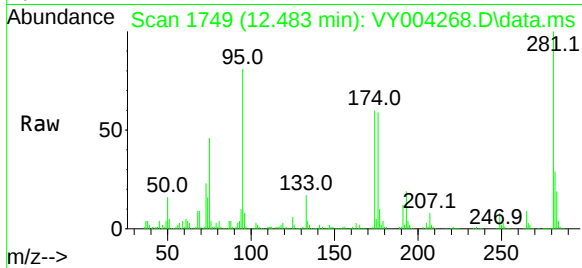




#81
 trans-1,4-Dichloro-2-butene
 Concen: 156.87 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. 0.103 min
 Lab File: VY004268.D
 Acq: 02 Apr 2021 17:21

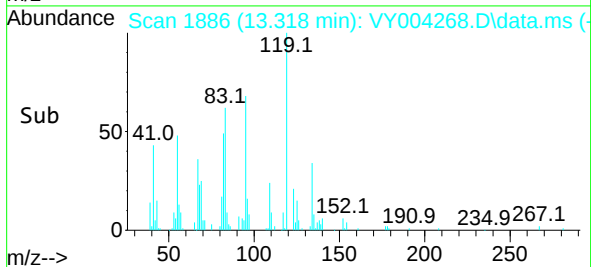
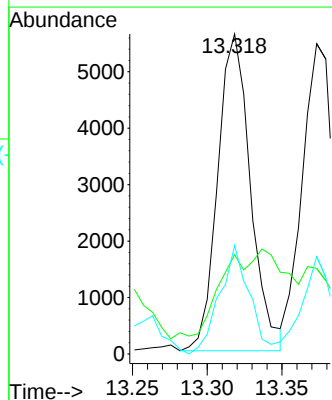
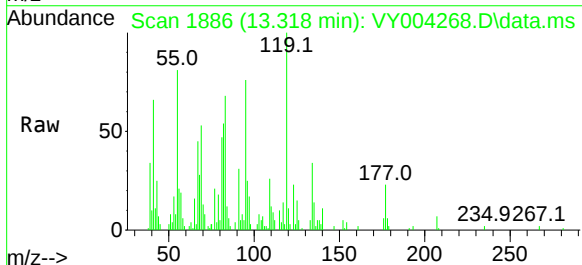
Instrument :
 MSVOA_Y
 ClientSampleId :
 CHRT-20111RE

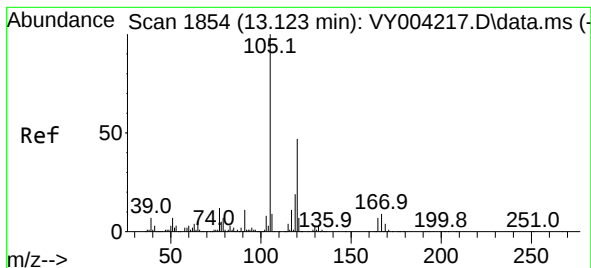
Tgt Ion: 75 Resp: 73912
 Ion Ratio Lower Upper
 75 100
 53 0.3 79.3 118.9#
 89 4.1 39.4 59.2#



#83
 tert-Butylbenzene
 Concen: 1.74 ug/l
 RT: 13.318 min Scan# 1886
 Delta R.T. 0.244 min
 Lab File: VY004268.D
 Acq: 02 Apr 2021 17:21

Tgt Ion: 119 Resp: 8550
 Ion Ratio Lower Upper
 119 100
 91 44.5 33.1 99.2
 134 31.2 13.6 40.8





#84

1,2,4-Trimethylbenzene

Concen: 13.49 ug/l

RT: 13.123 min Scan# 1854

Delta R.T. -0.000 min

Lab File: VY004268.D

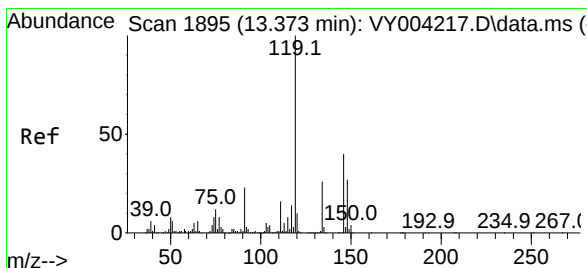
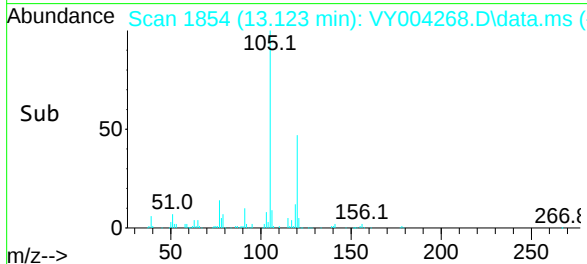
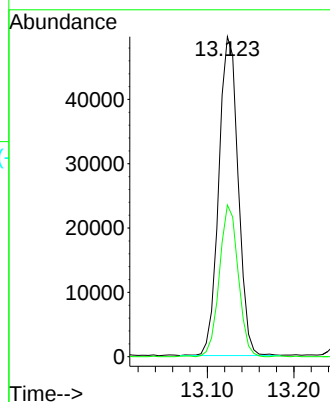
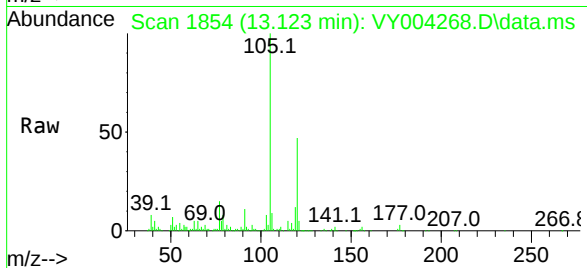
Acq: 02 Apr 2021 17:21

Tgt Ion:105 Resp: 77141

Ion Ratio Lower Upper

105 100

120 46.0 22.9 68.7



#86

p-Isopropyltoluene

Concen: 1.25 ug/l

RT: 13.373 min Scan# 1895

Delta R.T. -0.000 min

Lab File: VY004268.D

Acq: 02 Apr 2021 17:21

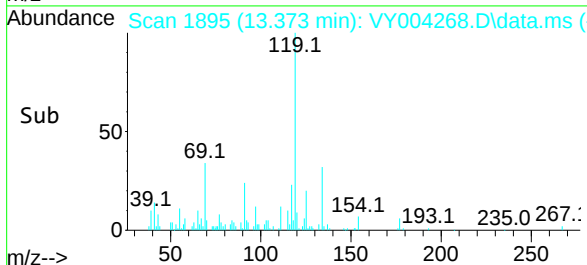
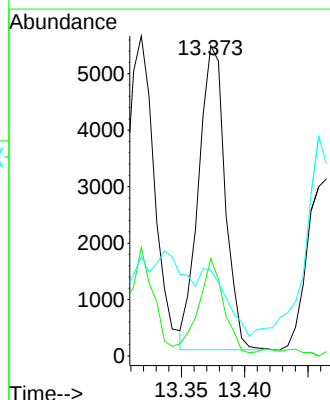
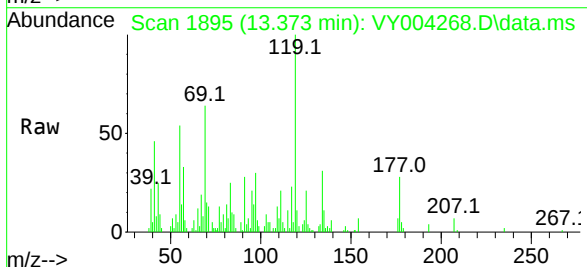
Tgt Ion:119 Resp: 7876

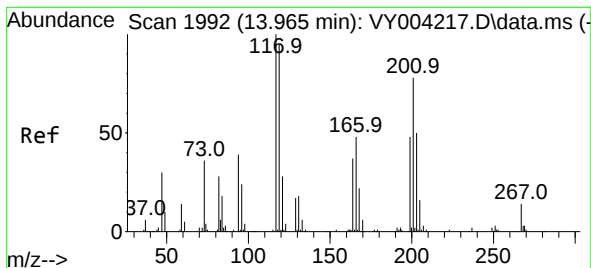
Ion Ratio Lower Upper

119 100

134 29.5 13.3 39.9

91 0.0 12.0 36.0#





#90

Hexachloroethane

Concen: 14.25 ug/l

RT: 13.977 min Scan# 1994

Delta R.T. 0.012 min

Lab File: VY004268.D

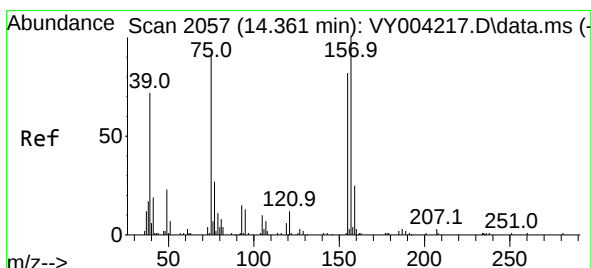
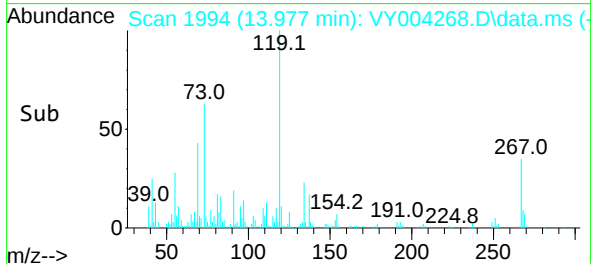
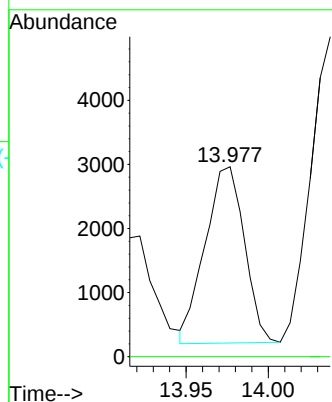
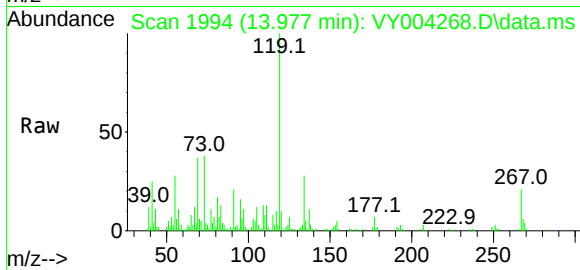
Acq: 02 Apr 2021 17:21

Tgt Ion: 117 Resp: 4562

Ion Ratio Lower Upper

117 100

201 0.0 37.6 112.9#



#92

1,2-Dibromo-3-Chloropropane

Concen: 1.28 ug/l

RT: 14.336 min Scan# 2053

Delta R.T. -0.025 min

Lab File: VY004268.D

Acq: 02 Apr 2021 17:21

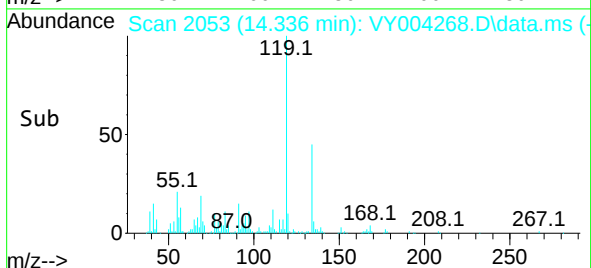
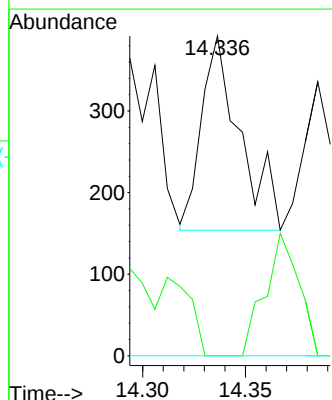
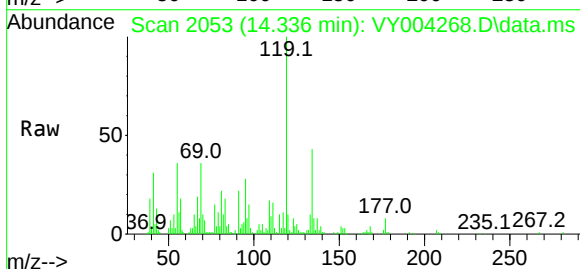
Tgt Ion: 75 Resp: 308

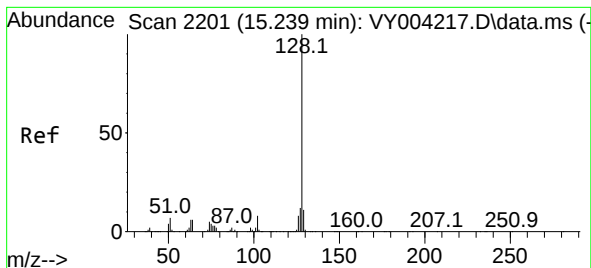
Ion Ratio Lower Upper

75 100

155 0.0 46.3 138.8#

157 0.0 58.3 174.9#

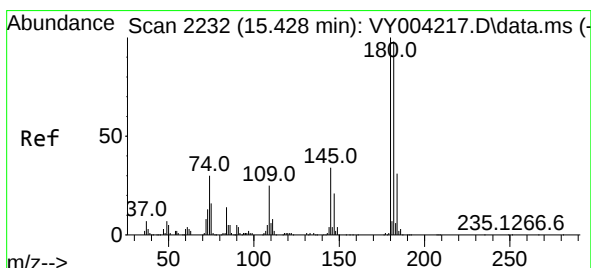
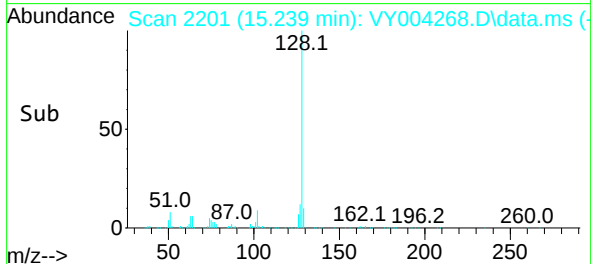
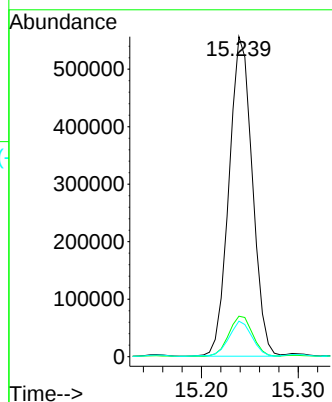
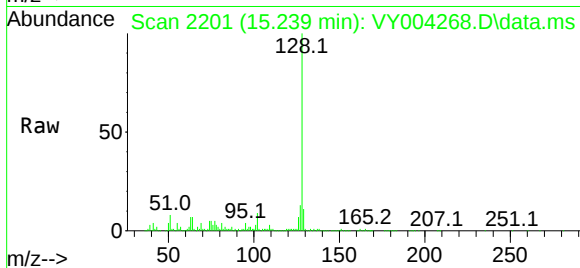




#95
Naphthalene
Concen: 225.63 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY004268.D
Acq: 02 Apr 2021 17:21

Instrument :
MSVOA_Y
ClientSampleId :
CHRT-20111RE

Tgt Ion:128 Resp: 931814
Ion Ratio Lower Upper
128 100
127 13.0 10.1 15.1
129 10.9 8.9 13.3



#96
1,2,3-Trichlorobenzene
Concen: 4.52 ug/l
RT: 15.446 min Scan# 2235
Delta R.T. 0.018 min
Lab File: VY004268.D
Acq: 02 Apr 2021 17:21

Tgt Ion:180 Resp: 8045
Ion Ratio Lower Upper
180 100
182 0.0 48.0 144.0#
145 221.3 16.7 50.0#

