

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040121\
 Data File : VY004248.D
 Acq On : 01 Apr 2021 16:27
 Operator : SY/MD
 Sample : M1900-04
 Misc : 5.40g/5mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 CHRT-20111

Quant Time: Apr 02 02:11:21 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)

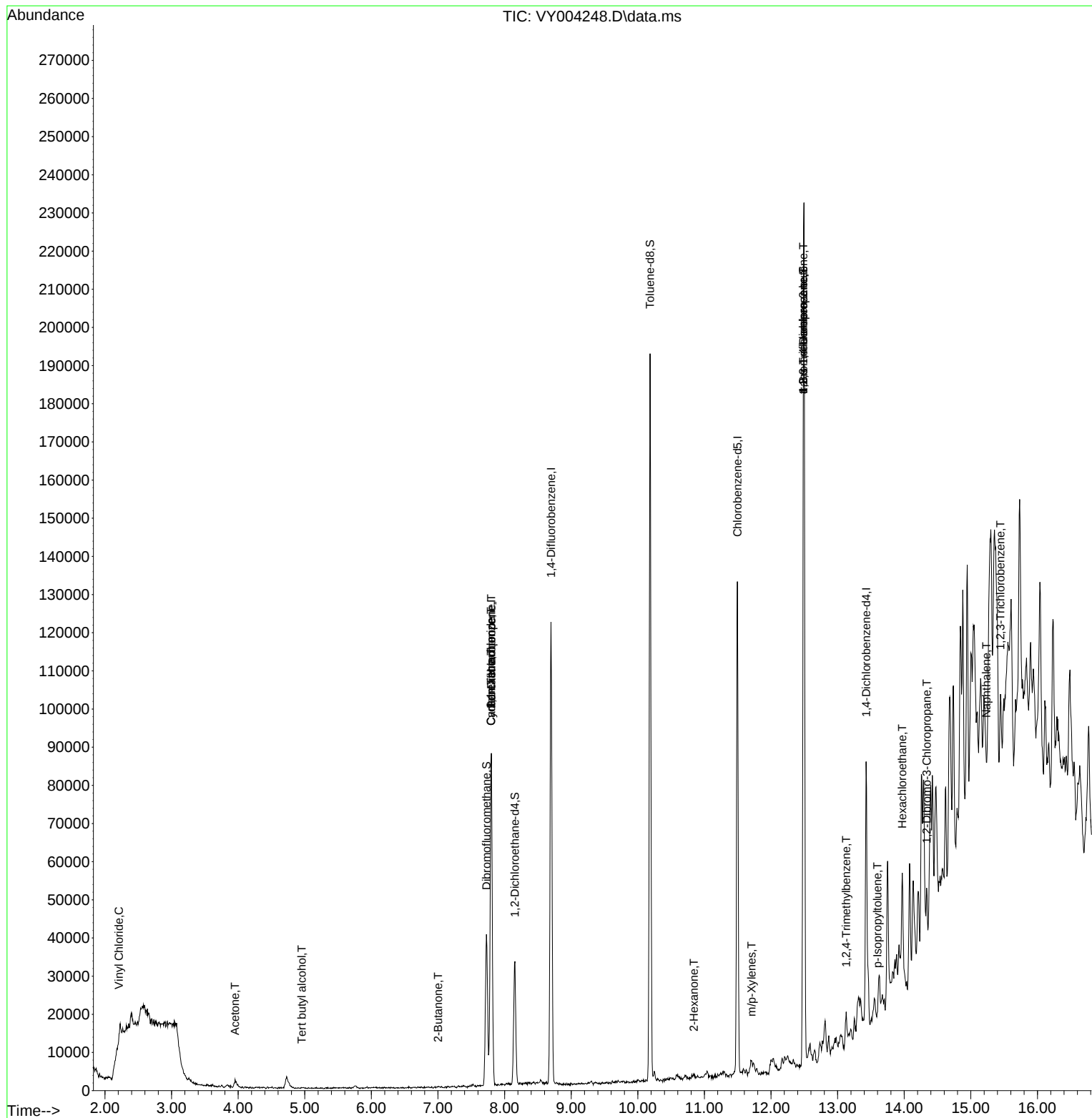
Internal Standards						
1) Pentafluorobenzene	7.801	168	67173	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	99577	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	67320	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	17405	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	24641	38.16	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	76.32%
35) Dibromofluoromethane	7.728	113	26732	48.18	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.36%
50) Toluene-d8	10.185	98	114183	54.72	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	109.44%
62) 4-Bromofluorobenzene	12.483	95	22155	30.98	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	61.96%
Target Compounds						
					Qvalue	
4) Vinyl Chloride	2.211	62	937	1.07	ug/l #	62
11) Tert butyl alcohol	4.954	59	125	2.38	ug/l #	71
13) Acrolein	3.747	56	191	Below Cal	#	7
16) Acetone	3.954	43	3013	22.40	ug/l #	65
25) 2-Butanone	7.003	43	334	1.49	ug/l #	49
31) Cyclohexane	7.795	56	1470	1.29	ug/l #	26
36) 1,1-Dichloropropene	7.801	75	5219	5.74	ug/l #	48
38) Carbon Tetrachloride	7.795	117	6429	8.13	ug/l #	17
49) 1,4-Dioxane	9.307	88	313	Below Cal	#	64
59) 2-Hexanone	10.843	43	612	1.73	ug/l #	25
68) m/p-Xylenes	11.709	106	1069	1.14	ug/l	96
76) 1,2,3-Trichloropropane	12.483	75	13875	87.79	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	13875	161.80	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.129	105	3649	3.51	ug/l	98
86) p-Isopropyltoluene	13.599	119	1442	1.26	ug/l	90
90) Hexachloroethane	13.971	117	871	14.59	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.337	75	188	4.28	ug/l #	1
95) Naphthalene	15.233	128	756	1.01	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.446	180	1131	3.49	ug/l #	19

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

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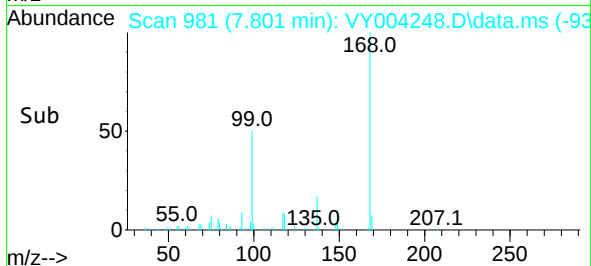
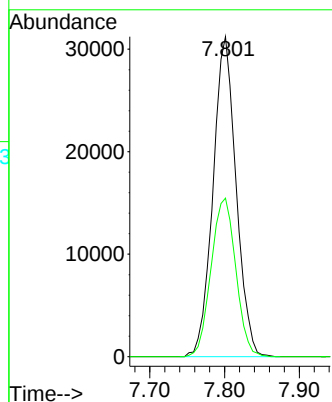
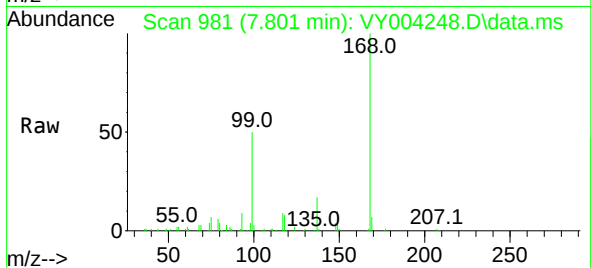




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY004248.D
Acq: 01 Apr 2021 16:27

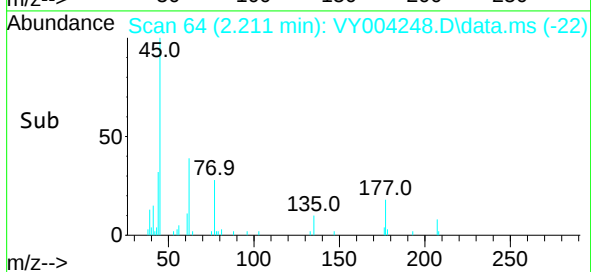
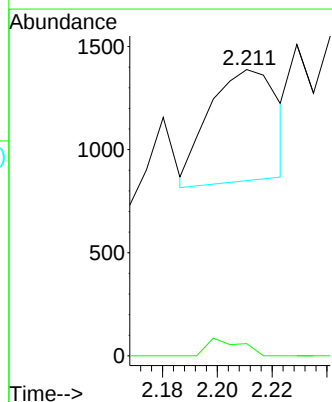
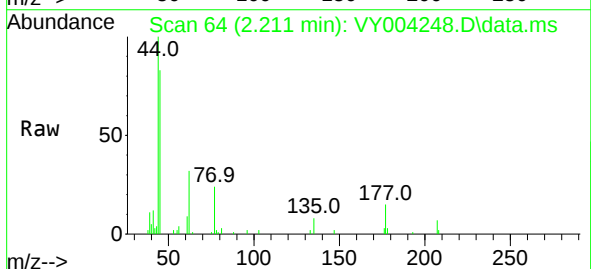
Instrument :
MSVOA_Y
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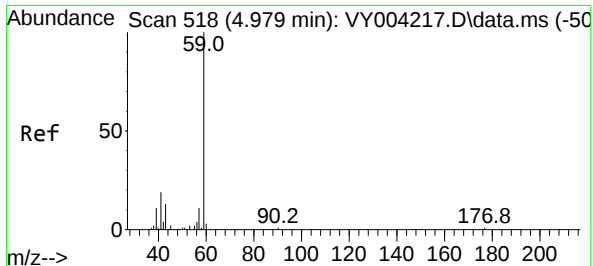
Tgt Ion:168 Resp: 67173
Ion Ratio Lower Upper
168 100
99 49.6 42.6 64.0



#4
Vinyl Chloride
Concen: 1.07 ug/l
RT: 2.211 min Scan# 64
Delta R.T. -0.043 min
Lab File: VY004248.D
Acq: 01 Apr 2021 16:27

Tgt Ion: 62 Resp: 937
Ion Ratio Lower Upper
62 100
64 11.3 26.0 39.0#



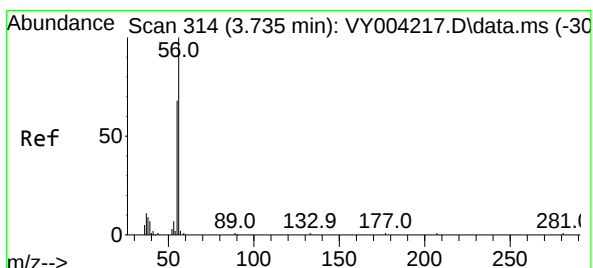
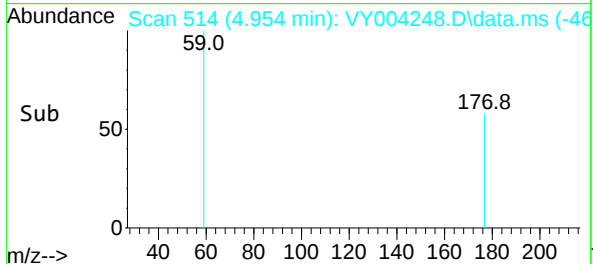
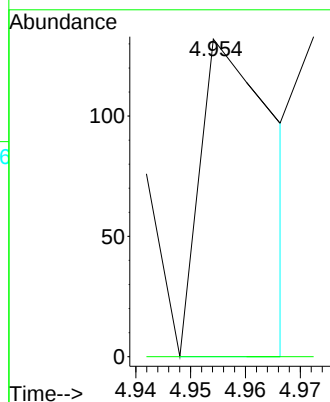
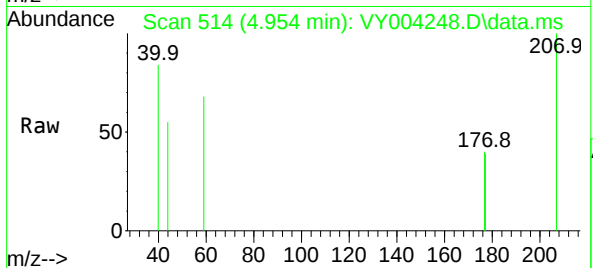


#11

Tert butyl alcohol
Concen: 2.38 ug/l
RT: 4.954 min Scan# 514
Delta R.T. -0.024 min
Lab File: VY004248.D
Acq: 01 Apr 2021 16:27

Instrument :
MSVOA_Y
ClientSampleId :
CHRT-20111

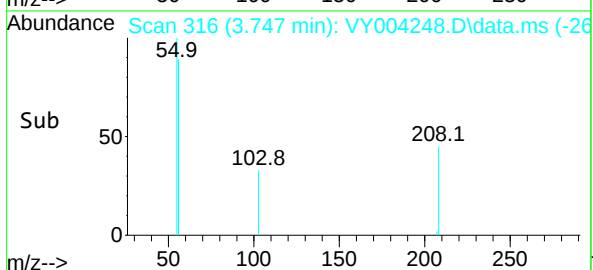
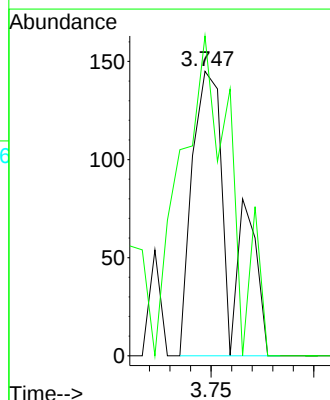
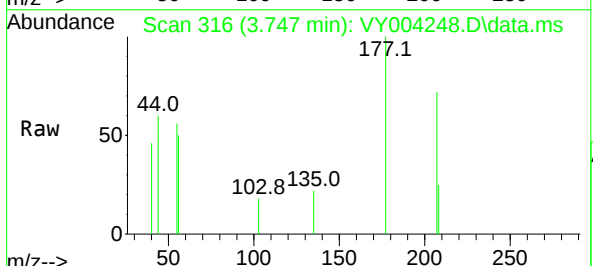
Tgt Ion: 59 Resp: 125
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#

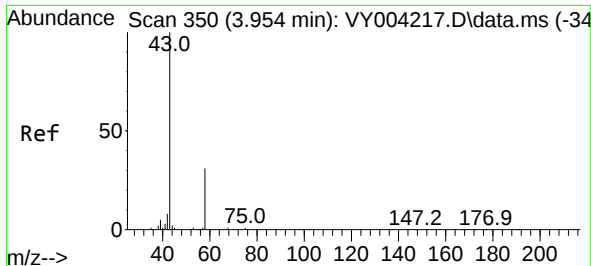


#13

Acrolein
Concen: Below Cal
RT: 3.747 min Scan# 316
Delta R.T. 0.012 min
Lab File: VY004248.D
Acq: 01 Apr 2021 16:27

Tgt Ion: 56 Resp: 191
Ion Ratio Lower Upper
56 100
55 144.5 55.0 82.4#

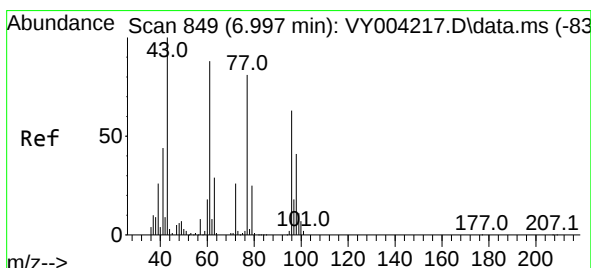
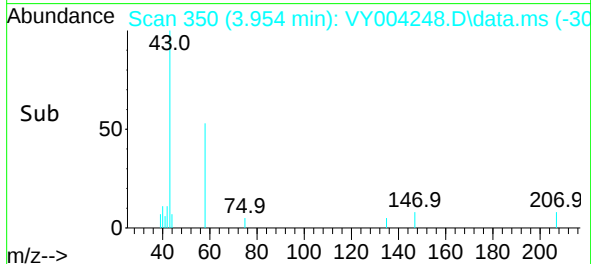
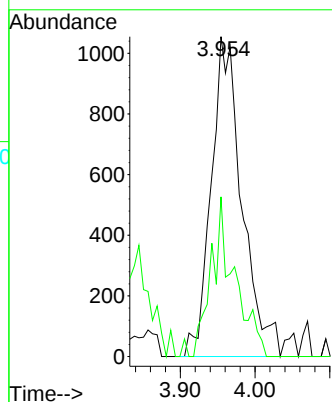
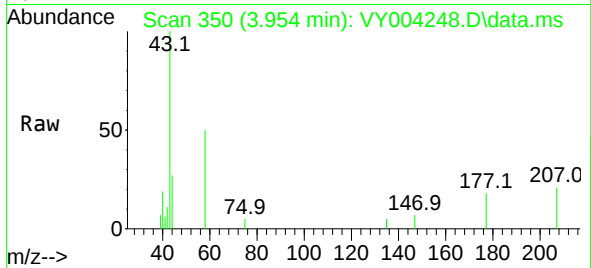




#16
Acetone
Concen: 22.40 ug/l
RT: 3.954 min Scan# 350
Delta R.T. -0.000 min
Lab File: VY004248.D
Acq: 01 Apr 2021 16:27

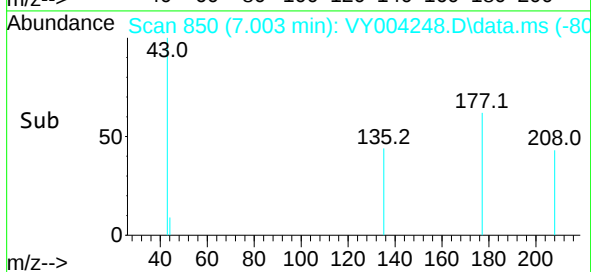
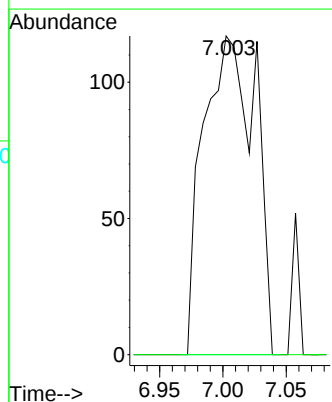
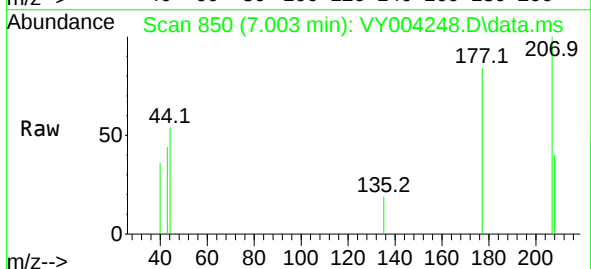
Instrument :
MSVOA_Y
ClientSampleId :
CHRT-20111

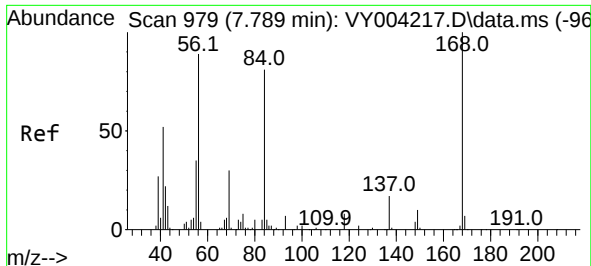
Tgt Ion: 43 Resp: 3013
Ion Ratio Lower Upper
43 100
58 50.0 24.5 36.7#



#25
2-Butanone
Concen: 1.49 ug/l
RT: 7.003 min Scan# 850
Delta R.T. 0.006 min
Lab File: VY004248.D
Acq: 01 Apr 2021 16:27

Tgt Ion: 43 Resp: 334
Ion Ratio Lower Upper
43 100
72 0.0 21.0 31.6#

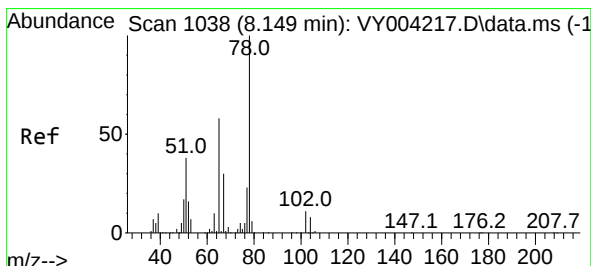
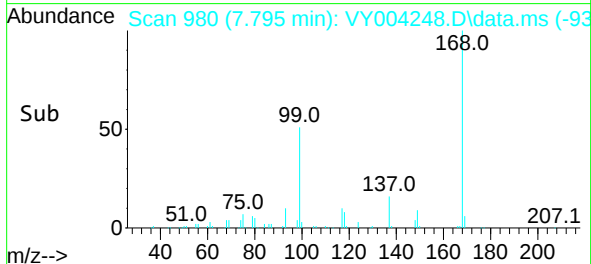
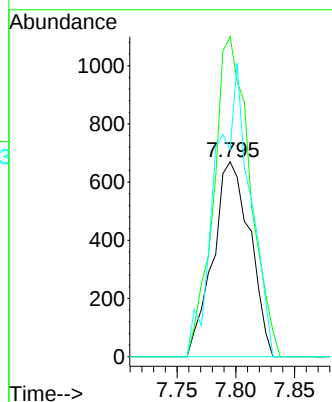
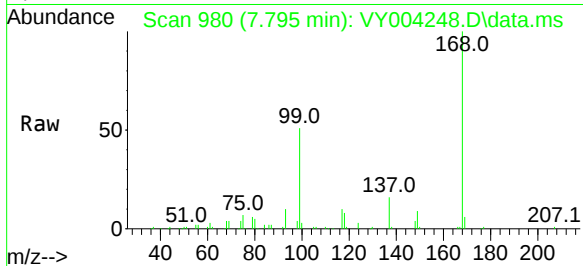




#31
Cyclohexane
Concen: 1.29 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.006 min
Lab File: VY004248.D
Acq: 01 Apr 2021 16:27

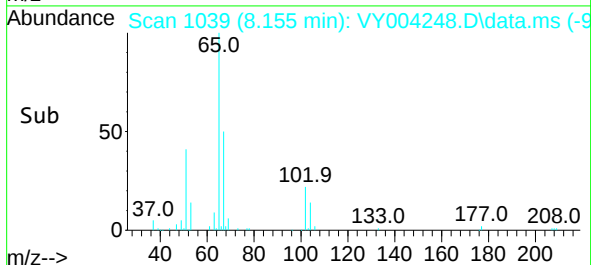
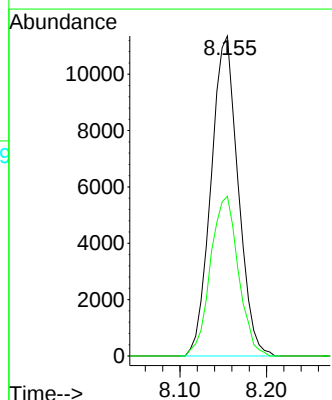
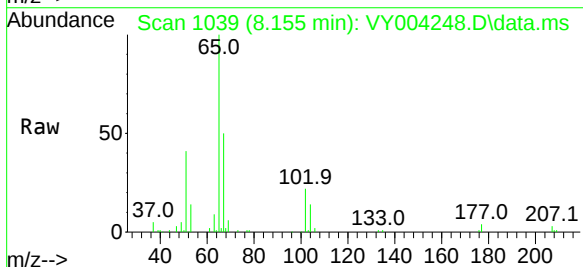
Instrument :
MSVOA_Y
ClientSampleId :
CHRT-20111

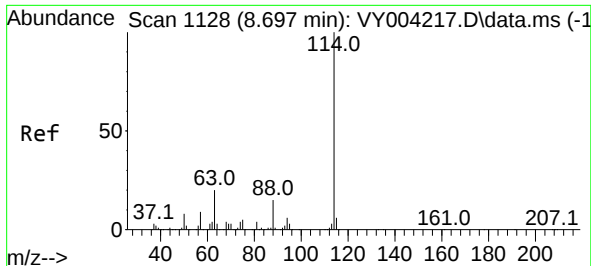
Tgt Ion: 56 Resp: 1470
Ion Ratio Lower Upper
56 100
69 164.2 26.6 40.0#
84 106.3 72.3 108.5



#33
1,2-Dichloroethane-d4
Concen: 38.16 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.006 min
Lab File: VY004248.D
Acq: 01 Apr 2021 16:27

Tgt Ion: 65 Resp: 24641
Ion Ratio Lower Upper
65 100
67 51.4 0.0 103.2

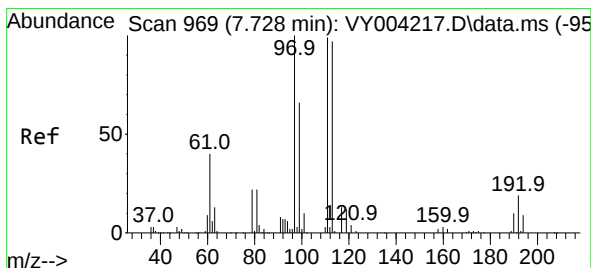
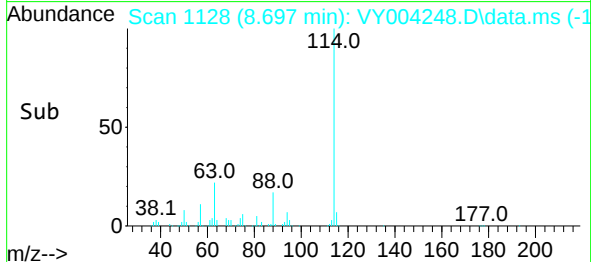
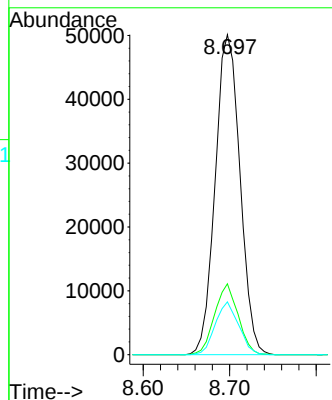
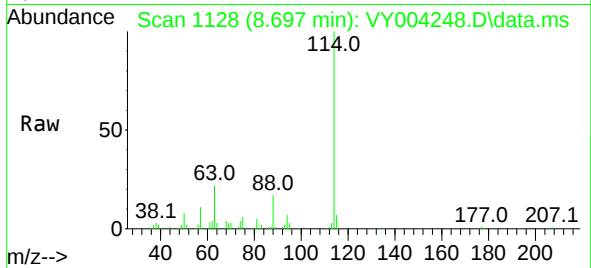




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY004248.D
Acq: 01 Apr 2021 16:27

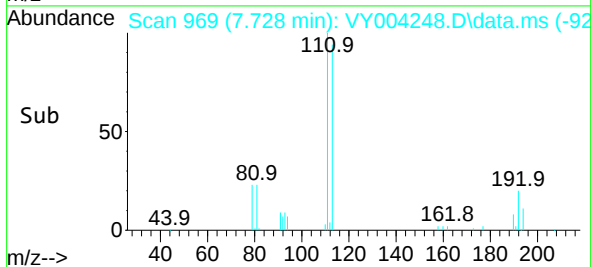
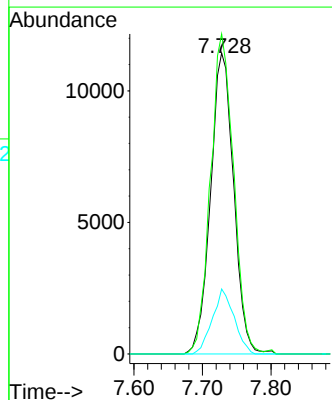
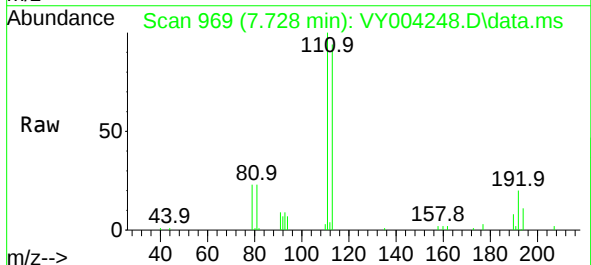
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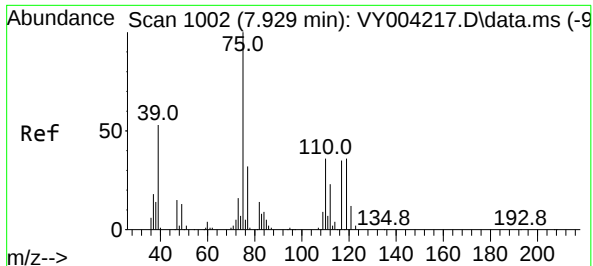
Tgt Ion:	114	Resp:	99577
Ion Ratio	Lower	Upper	
114	100		
63	22.1	0.0	40.4
88	16.5	0.0	30.8



#35
Dibromofluoromethane
Concen: 48.18 ug/l
RT: 7.728 min Scan# 969
Delta R.T. -0.000 min
Lab File: VY004248.D
Acq: 01 Apr 2021 16:27

Tgt Ion:	113	Resp:	26732
Ion Ratio	Lower	Upper	
113	100		
111	106.3	82.6	124.0
192	20.3	16.4	24.6

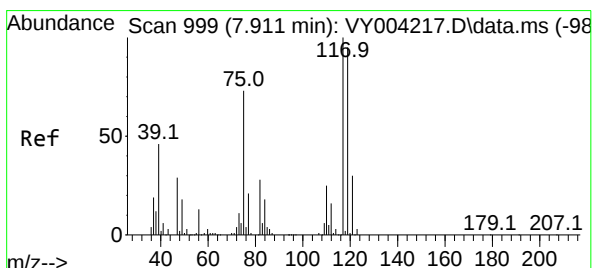
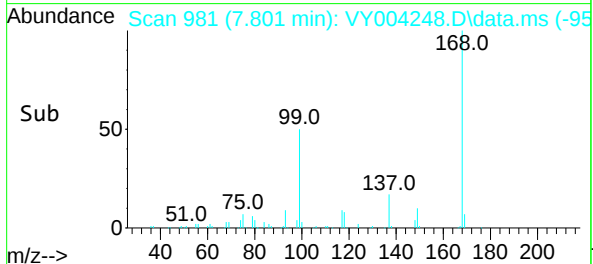
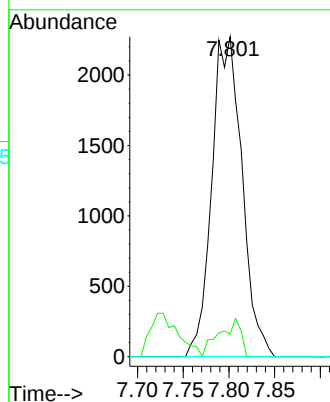
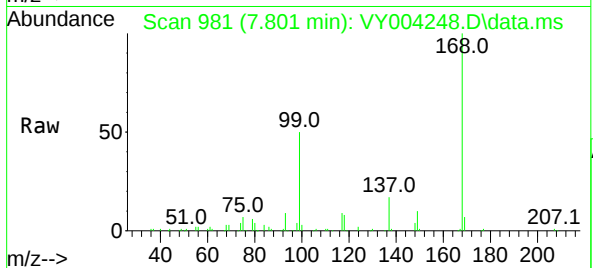




#36
1,1-Dichloropropene
Concen: 5.74 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.128 min
Lab File: VY004248.D
Acq: 01 Apr 2021 16:27

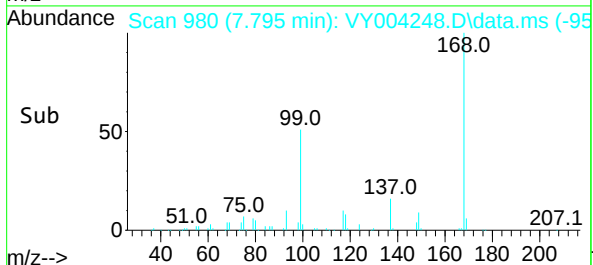
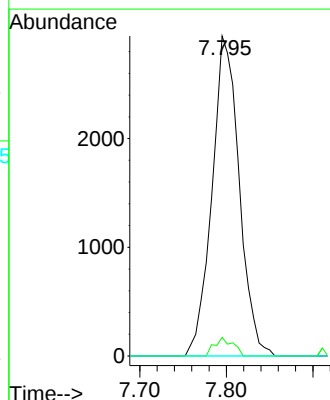
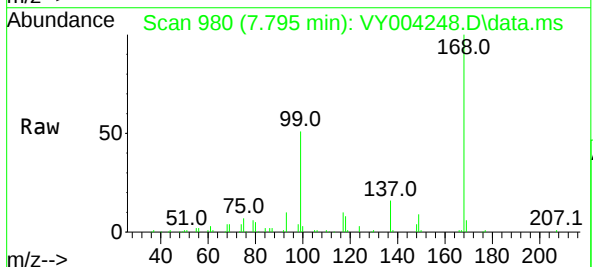
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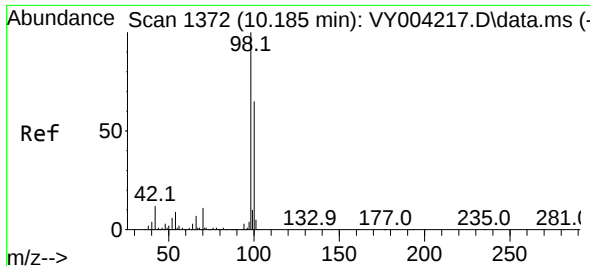
Tgt Ion: 75 Resp: 5219
Ion Ratio Lower Upper
75 100
110 8.5 18.1 54.3#
77 0.0 25.1 37.7#



#38
Carbon Tetrachloride
Concen: 8.13 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.116 min
Lab File: VY004248.D
Acq: 01 Apr 2021 16:27

Tgt Ion: 117 Resp: 6429
Ion Ratio Lower Upper
117 100
119 5.8 75.6 113.4#
121 0.0 24.3 36.5#

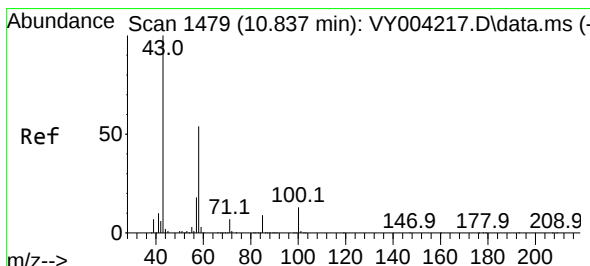
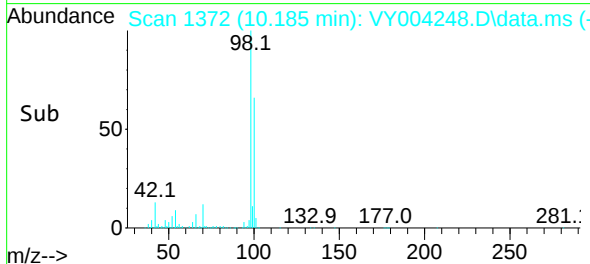
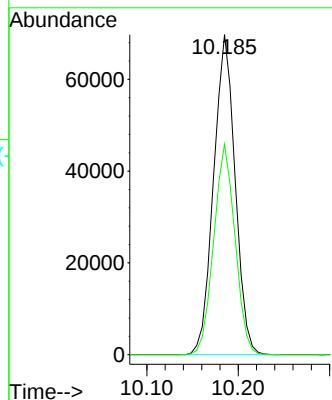
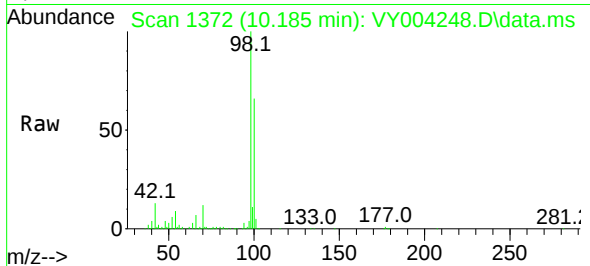




#50
Toluene-d8
Concen: 54.72 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY004248.D
Acq: 01 Apr 2021 16:27

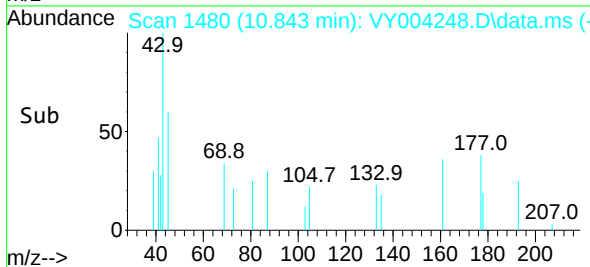
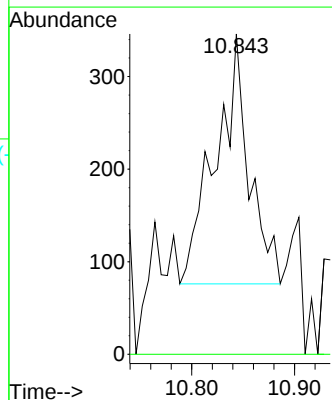
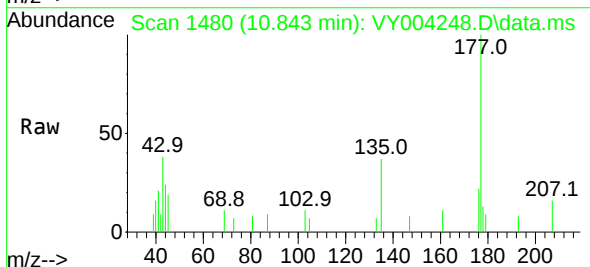
Instrument :
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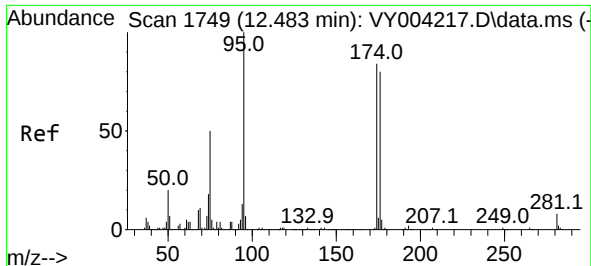
Tgt Ion: 98 Resp: 114183
Ion Ratio Lower Upper
98 100
100 65.1 52.5 78.7



#59
2-Hexanone
Concen: 1.73 ug/l
RT: 10.843 min Scan# 1480
Delta R.T. 0.006 min
Lab File: VY004248.D
Acq: 01 Apr 2021 16:27

Tgt Ion: 43 Resp: 612
Ion Ratio Lower Upper
43 100
58 0.0 26.7 80.1#

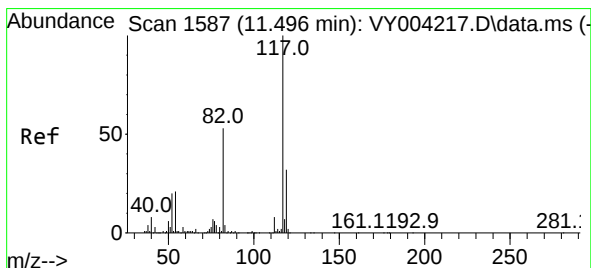
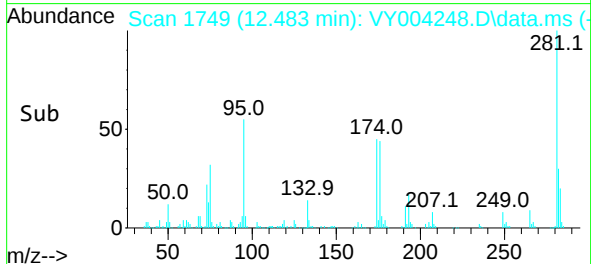
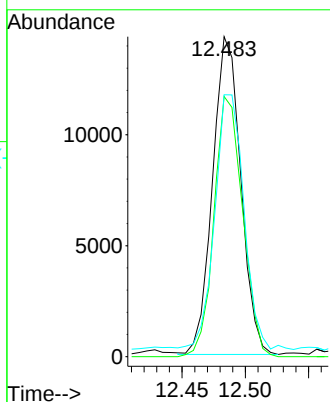
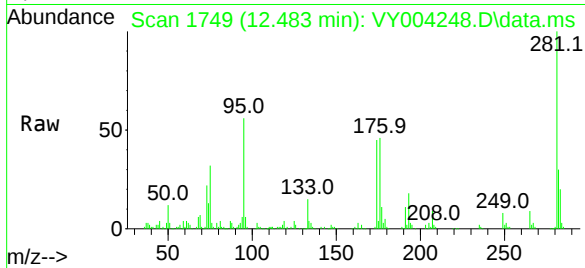




#62
4-Bromofluorobenzene
Concen: 30.98 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY004248.D
Acq: 01 Apr 2021 16:27

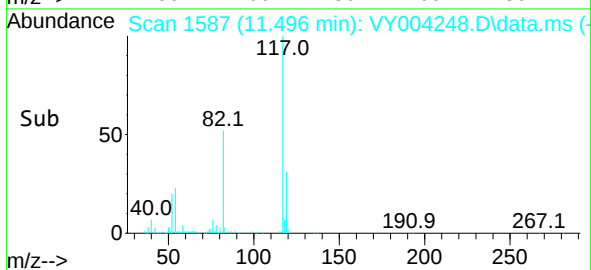
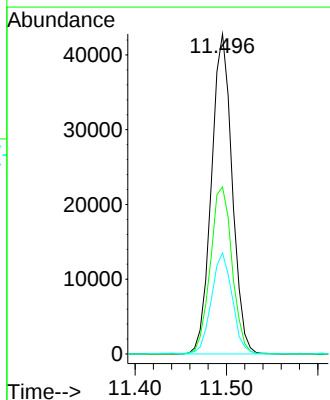
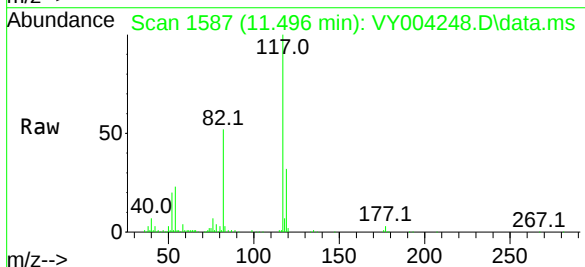
Instrument :
MSVOA_Y
ClientSampleId :
CHRT-20111

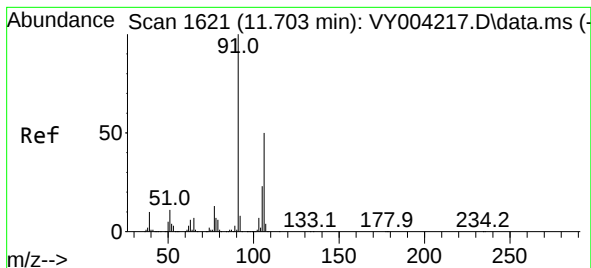
Tgt Ion: 95 Resp: 22155
Ion Ratio Lower Upper
95 100
174 83.2 0.0 171.4
176 82.8 0.0 165.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY004248.D
Acq: 01 Apr 2021 16:27

Tgt Ion: 117 Resp: 67320
Ion Ratio Lower Upper
117 100
82 52.0 42.7 64.1
119 31.6 25.7 38.5

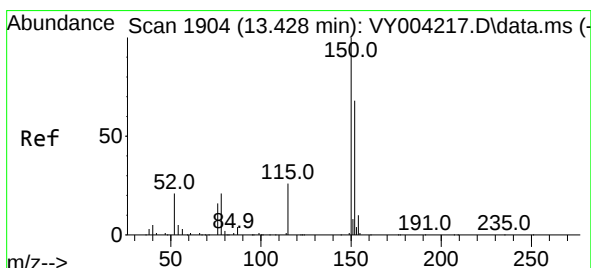
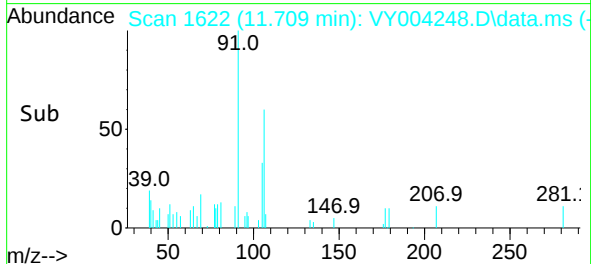
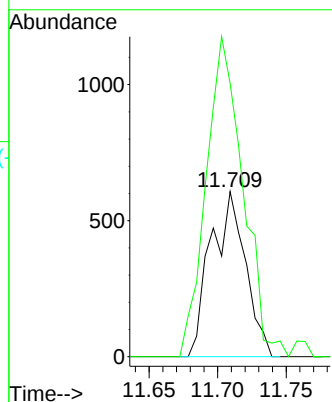
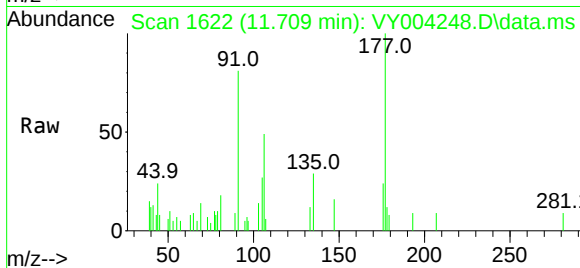




#68
m/p-Xylenes
Concen: 1.14 ug/l
RT: 11.709 min Scan# 1622
Delta R.T. 0.006 min
Lab File: VY004248.D
Acq: 01 Apr 2021 16:27

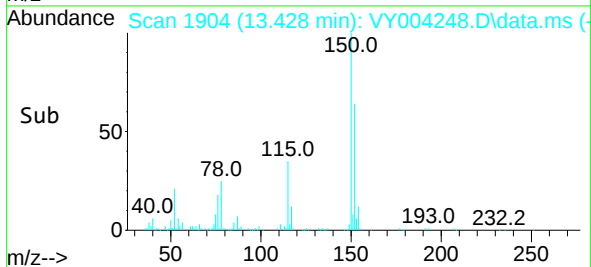
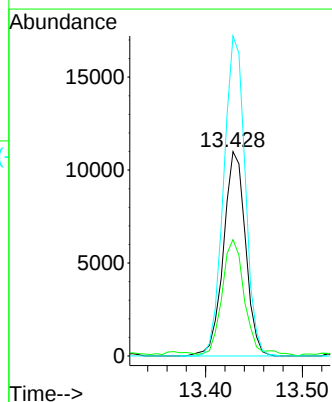
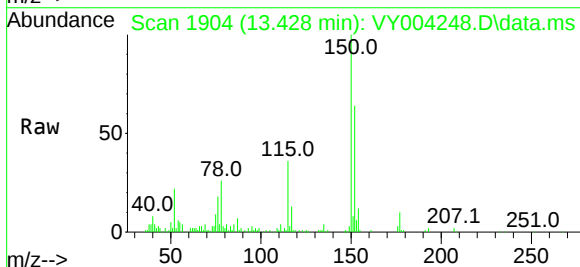
Instrument :
MSVOA_Y
ClientSampled :
CHRT-20111

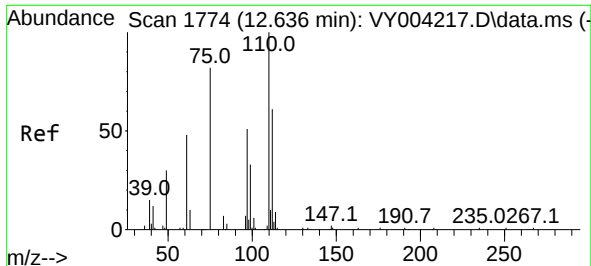
Tgt Ion:106 Resp: 1069
Ion Ratio Lower Upper
106 100
91 205.9 159.8 239.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY004248.D
Acq: 01 Apr 2021 16:27

Tgt Ion:152 Resp: 17405
Ion Ratio Lower Upper
152 100
115 58.7 29.0 87.1
150 152.3 0.0 347.4

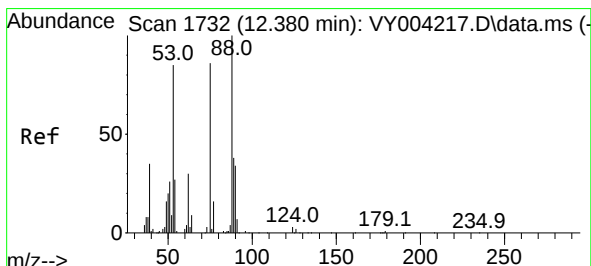
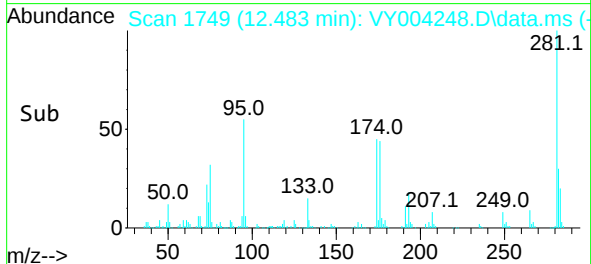
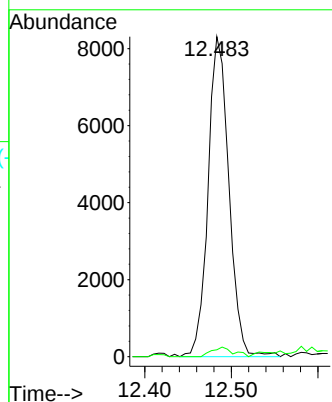
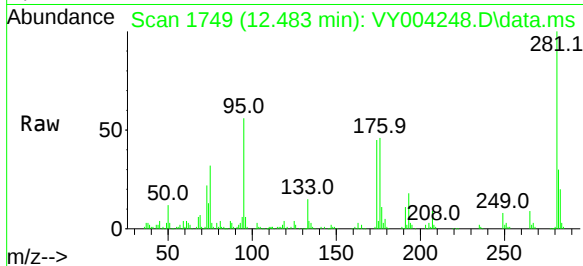




#76
1,2,3-Trichloropropane
Concen: 87.79 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY004248.D
Acq: 01 Apr 2021 16:27

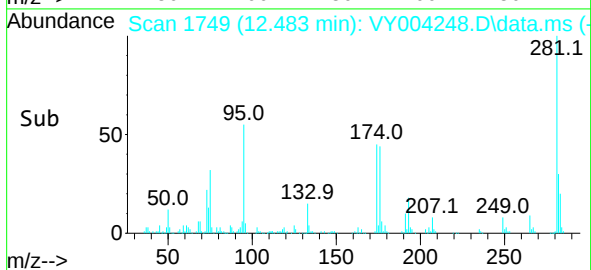
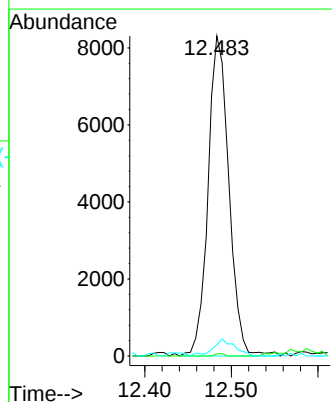
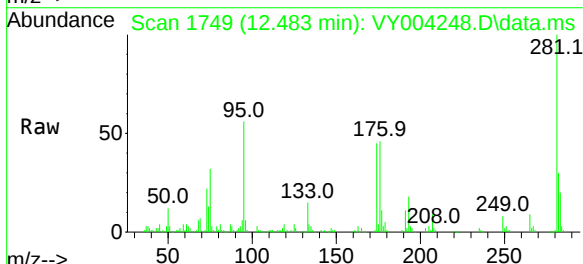
Instrument :
MSVOA_Y
ClientSampleId :
CHRT-20111

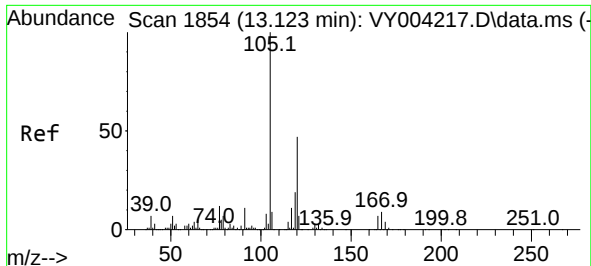
Tgt Ion: 75 Resp: 13875
Ion Ratio Lower Upper
75 100
77 3.1 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 161.80 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY004248.D
Acq: 01 Apr 2021 16:27

Tgt Ion: 75 Resp: 13875
Ion Ratio Lower Upper
75 100
53 0.3 79.3 118.9#
89 5.4 39.4 59.2#

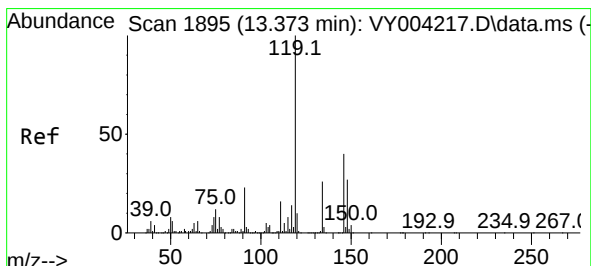
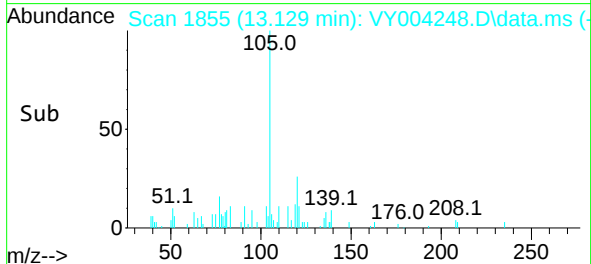
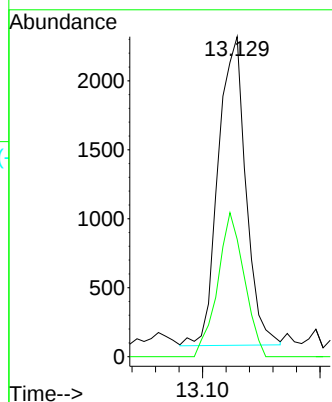
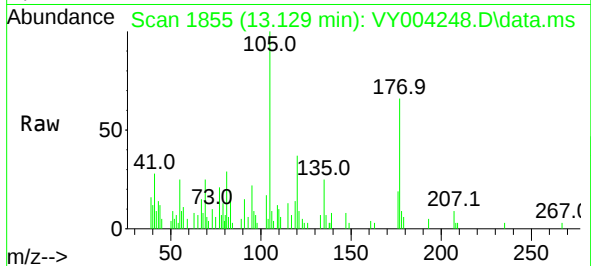




#84
1,2,4-Trimethylbenzene
Concen: 3.51 ug/l
RT: 13.129 min Scan# 1855
Delta R.T. 0.006 min
Lab File: VY004248.D
Acq: 01 Apr 2021 16:27

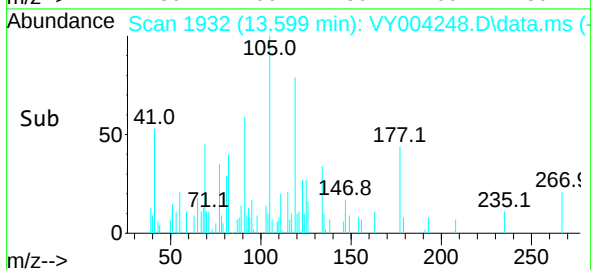
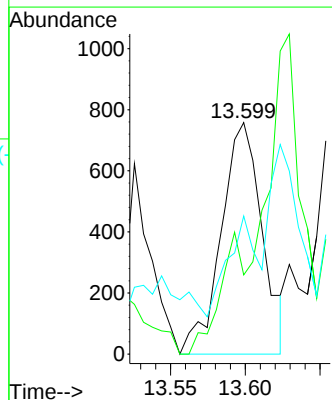
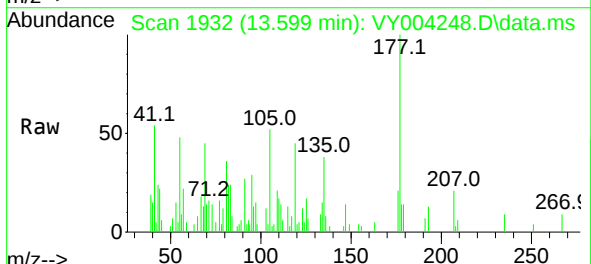
Instrument :
MSVOA_Y
ClientSampleId :
CHRT-20111

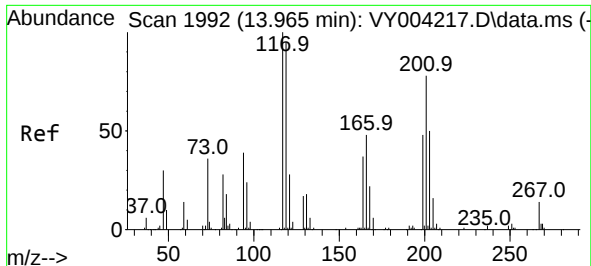
Tgt Ion:105 Resp: 3649
Ion Ratio Lower Upper
105 100
120 44.8 22.9 68.7



#86
p-Isopropyltoluene
Concen: 1.26 ug/l
RT: 13.599 min Scan# 1932
Delta R.T. 0.226 min
Lab File: VY004248.D
Acq: 01 Apr 2021 16:27

Tgt Ion:119 Resp: 1442
Ion Ratio Lower Upper
119 100
134 30.9 13.3 39.9
91 30.3 12.0 36.0

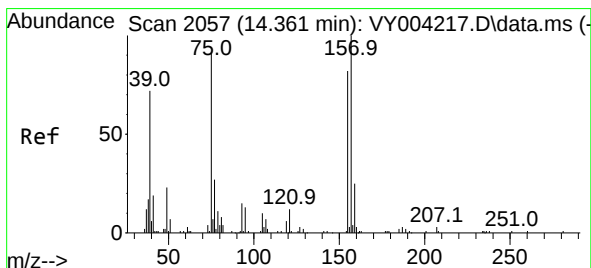
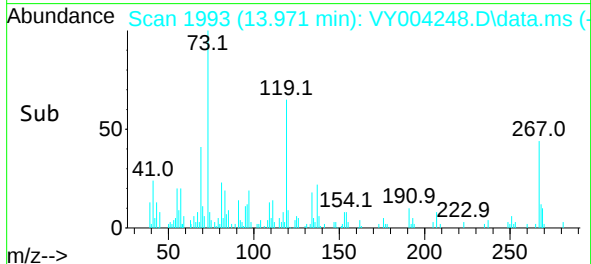
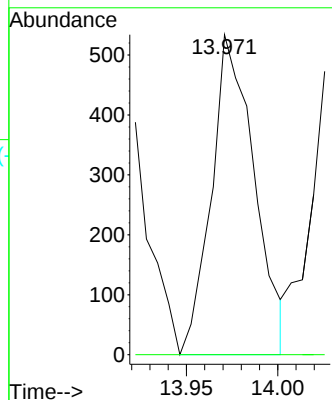
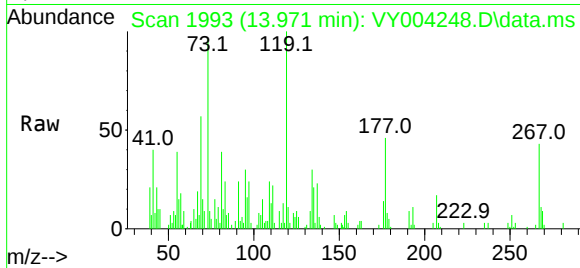




#90
Hexachloroethane
Concen: 14.59 ug/l
RT: 13.971 min Scan# 1993
Delta R.T. 0.006 min
Lab File: VY004248.D
Acq: 01 Apr 2021 16:27

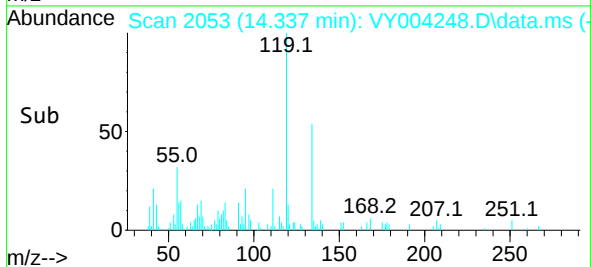
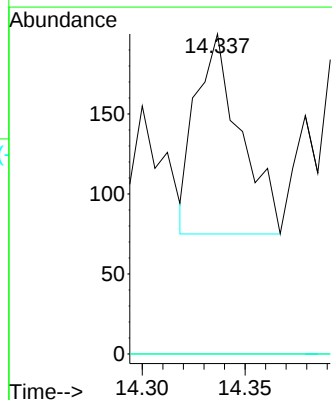
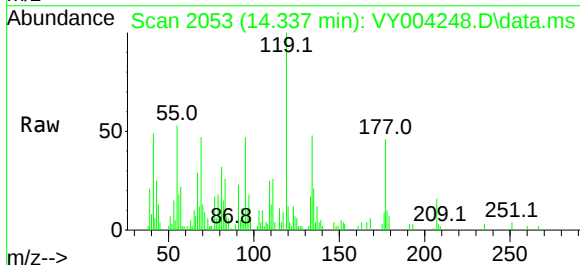
Instrument :
MSVOA_Y
ClientSampleId :
CHRT-20111

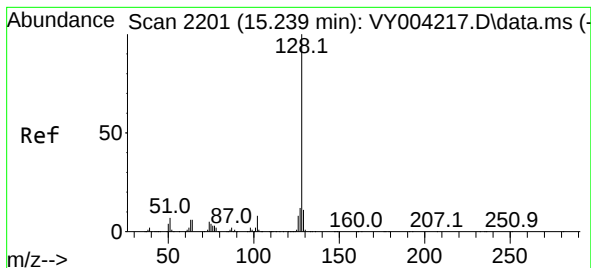
Tgt Ion:117 Resp: 871
Ion Ratio Lower Upper
117 100
201 0.0 37.6 112.9#



#92
1,2-Dibromo-3-Chloropropane
Concen: 4.28 ug/l
RT: 14.337 min Scan# 2053
Delta R.T. -0.024 min
Lab File: VY004248.D
Acq: 01 Apr 2021 16:27

Tgt Ion: 75 Resp: 188
Ion Ratio Lower Upper
75 100
155 0.0 46.3 138.8#
157 0.0 58.3 174.9#

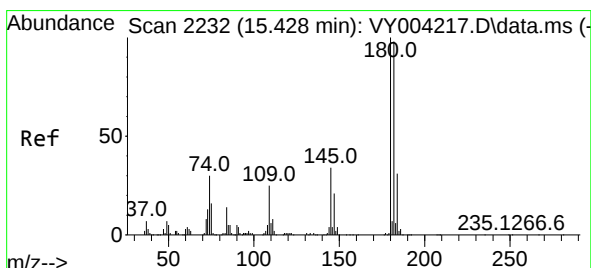
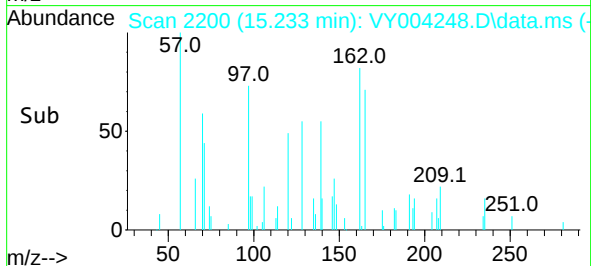
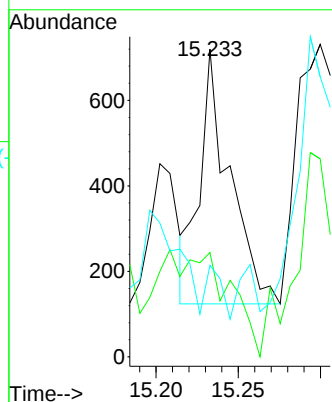
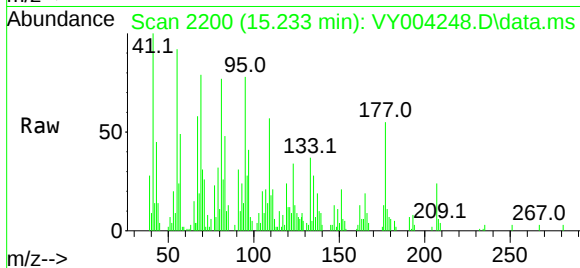




#95
Naphthalene
Concen: 1.01 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.006 min
Lab File: VY004248.D
Acq: 01 Apr 2021 16:27

Instrument :
MSVOA_Y
ClientSampleId :
CHRT-20111

Tgt Ion:128 Resp: 756
Ion Ratio Lower Upper
128 100
127 0.0 10.1 15.1#
129 0.0 8.9 13.3#



#96
1,2,3-Trichlorobenzene
Concen: 3.49 ug/l
RT: 15.446 min Scan# 2235
Delta R.T. 0.018 min
Lab File: VY004248.D
Acq: 01 Apr 2021 16:27

Tgt Ion:180 Resp: 1131
Ion Ratio Lower Upper
180 100
182 9.4 48.0 144.0#
145 0.0 16.7 50.0#

