

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040921\
 Data File : VY004357.D
 Acq On : 09 Apr 2021 14:59
 Operator : SY/MD
 Sample : M1979-09RE
 Misc : 4.75G/5ML/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 S-9RE

Quant Time: Apr 10 02:02:49 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)

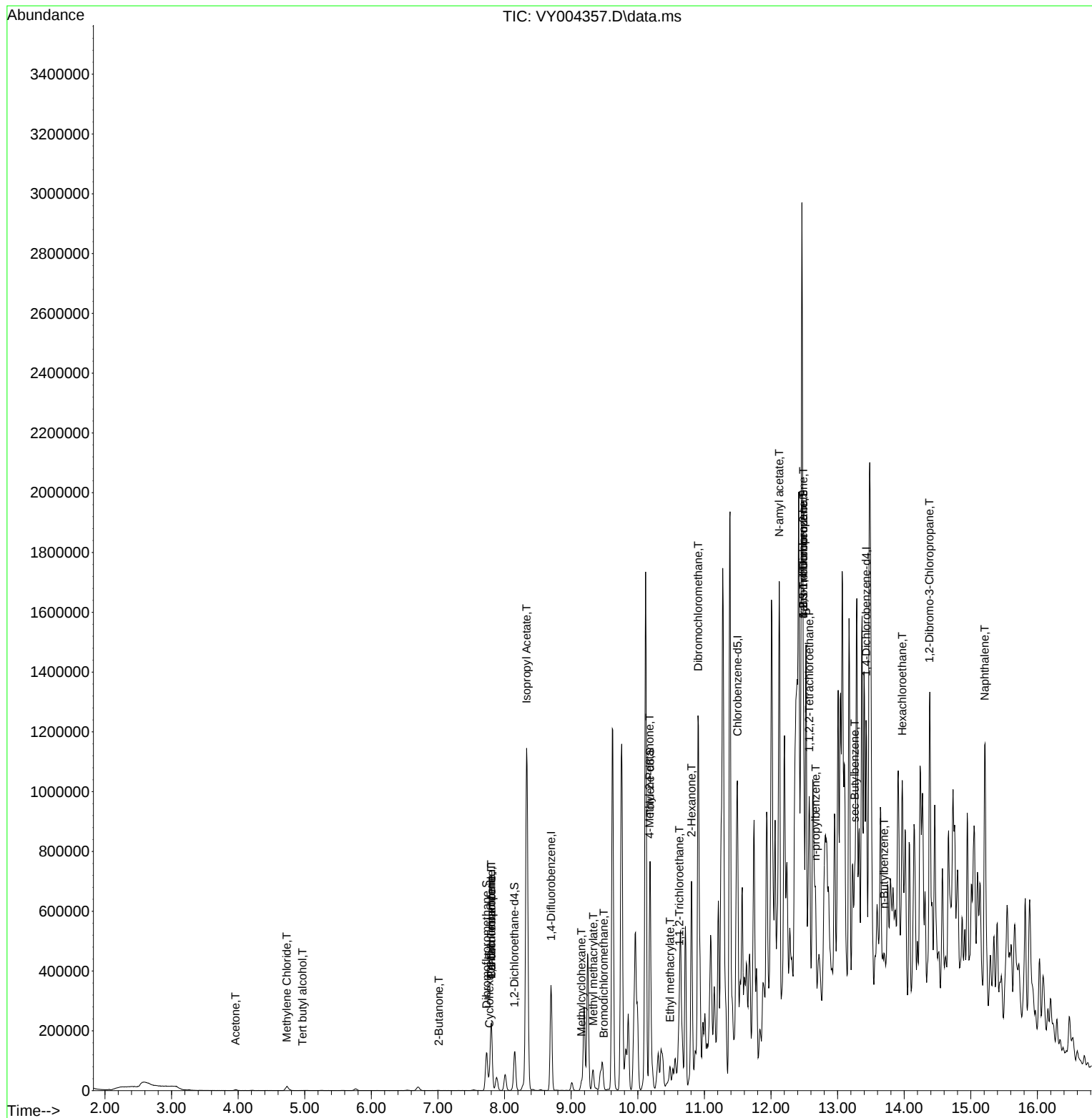
Internal Standards						
1) Pentafluorobenzene	7.801	168	167456	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	289755	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	288552	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	141672	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	101363	62.97	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 125.94%			
35) Dibromofluoromethane	7.728	113	87387	54.13	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.26%			
50) Toluene-d8	10.185	98	365367	60.17	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 120.34%			
62) 4-Bromofluorobenzene	12.483	95	162374	78.02	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 156.04%#			
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.966	59	486	3.71	ug/l #	71
16) Acetone	3.960	43	5142	15.33	ug/l	93
20) Methylene Chloride	4.729	84	9611	3.50	ug/l	94
25) 2-Butanone	7.015	43	804	1.44	ug/l #	49
31) Cyclohexane	7.771	56	8317	2.92	ug/l #	49
36) 1,1-Dichloropropene	7.801	75	13682	5.17	ug/l #	50
38) Carbon Tetrachloride	7.801	117	16811	7.31	ug/l #	16
39) Methylcyclohexane	9.155	83	5986	1.83	ug/l #	24
43) Isopropyl Acetate	8.332	43	247212	84.15	ug/l #	54
47) Bromodichloromethane	9.490	83	6030	2.32	ug/l #	26
48) Methyl methacrylate	9.331	41	18860	14.13	ug/l #	29
51) 4-Methyl-2-Pentanone	10.179	43	9609	6.42	ug/l	95
55) 1,1,2-Trichloroethane	10.624	97	61402	41.14	ug/l #	39
56) Ethyl methacrylate	10.484	69	18358	8.96	ug/l	94
59) 2-Hexanone	10.807	43	278146	270.29	ug/l #	30
60) Dibromochloromethane	10.904	129	1810	1.01	ug/l	67
74) N-amyl acetate	12.124	43	371486	122.81	ug/l #	60
75) 1,1,2,2-Tetrachloroethane	12.575	83	11135	5.81	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	75875	58.98	ug/l #	100
78) n-propylbenzene	12.672	91	23313	1.95	ug/l	88
81) trans-1,4-Dichloro-2-b...	12.483	75	75875	108.70	ug/l #	10
85) sec-Butylbenzene	13.258	105	21537	2.14	ug/l #	48
89) n-Butylbenzene	13.697	91	38983	4.54	ug/l	92
90) Hexachloroethane	13.971	117	3558	10.95	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.379	75	2130	5.96	ug/l #	16
95) Naphthalene	15.208	128	23234	3.80	ug/l #	1

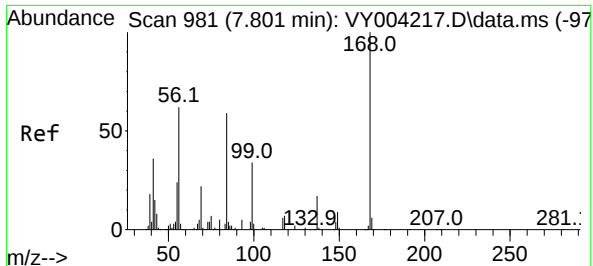
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

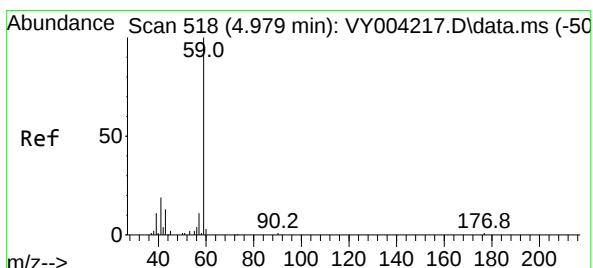
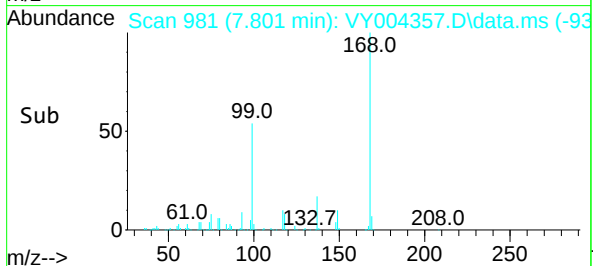
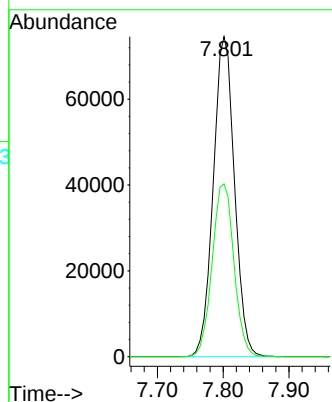
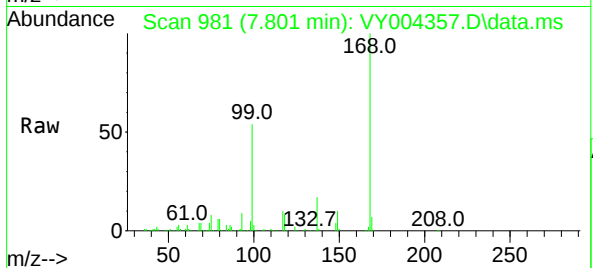




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY004357.D
Acq: 09 Apr 2021 14:59

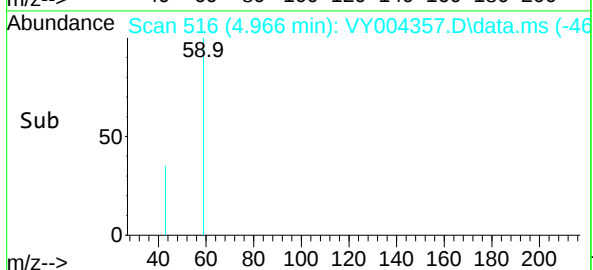
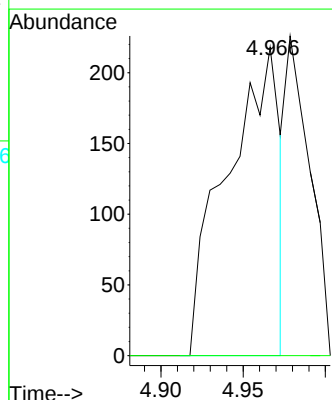
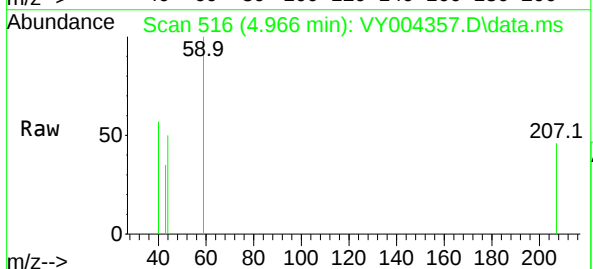
Instrument :
MSVOA_Y
ClientSampleId :
S-9RE

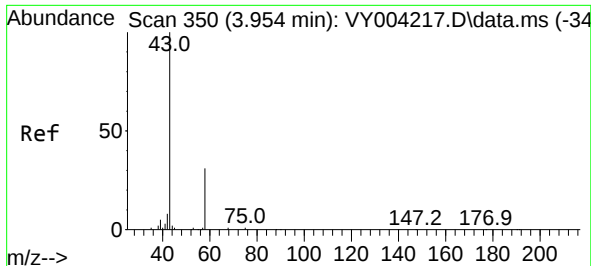
Tgt Ion:168 Resp: 167456
Ion Ratio Lower Upper
168 100
99 54.0 42.6 64.0



#11
Tert butyl alcohol
Concen: 3.71 ug/l
RT: 4.966 min Scan# 516
Delta R.T. -0.012 min
Lab File: VY004357.D
Acq: 09 Apr 2021 14:59

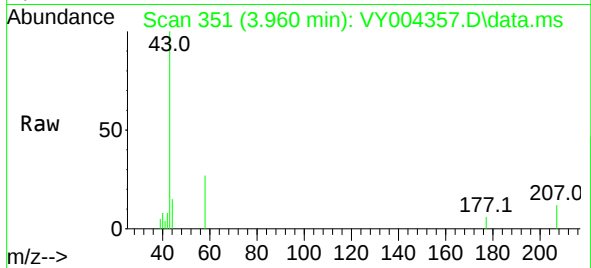
Tgt Ion: 59 Resp: 486
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#



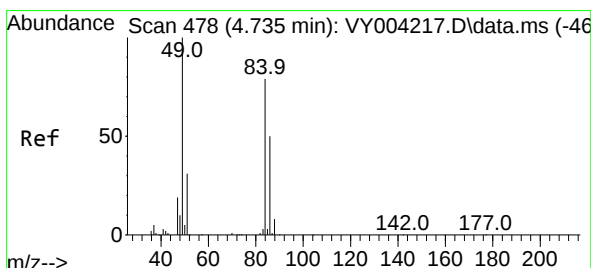
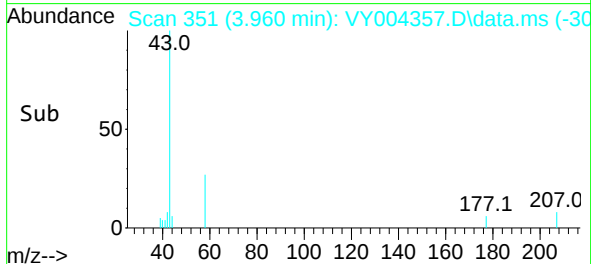
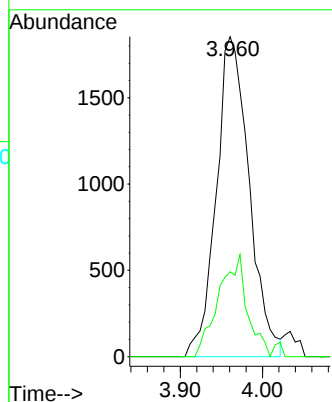


#16
Acetone
Concen: 15.33 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.006 min
Lab File: VY004357.D
Acq: 09 Apr 2021 14:59

Instrument :
MSVOA_Y
ClientSampled :
S-9RE

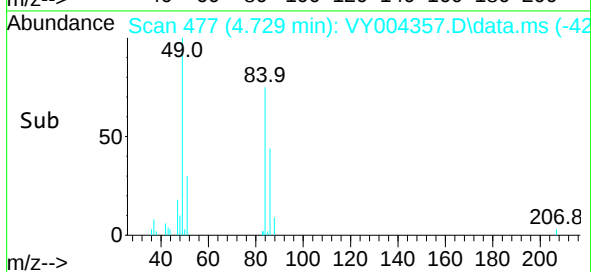
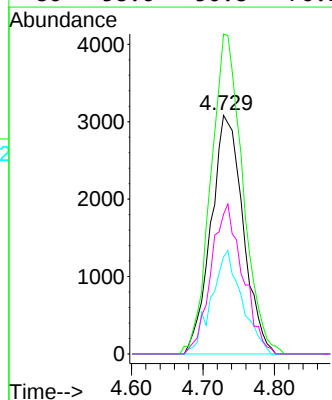
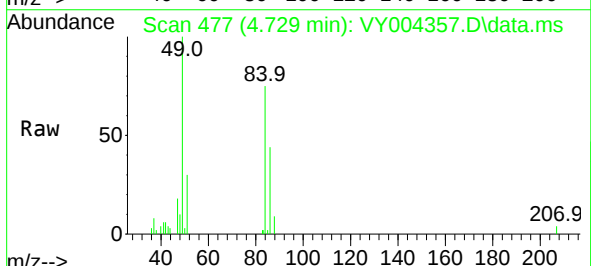


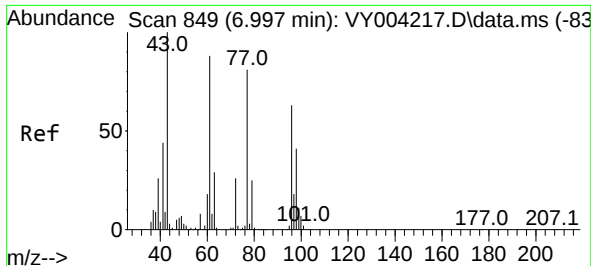
Tgt Ion: 43 Resp: 5142
Ion Ratio Lower Upper
43 100
58 26.5 24.5 36.7



#20
Methylene Chloride
Concen: 3.50 ug/l
RT: 4.729 min Scan# 477
Delta R.T. -0.006 min
Lab File: VY004357.D
Acq: 09 Apr 2021 14:59

Tgt Ion: 84 Resp: 9611
Ion Ratio Lower Upper
84 100
49 134.1 101.5 152.3
51 40.6 31.5 47.3
86 58.6 50.8 76.2





#25

2-Butanone

Concen: 1.44 ug/l

RT: 7.015 min Scan# 852

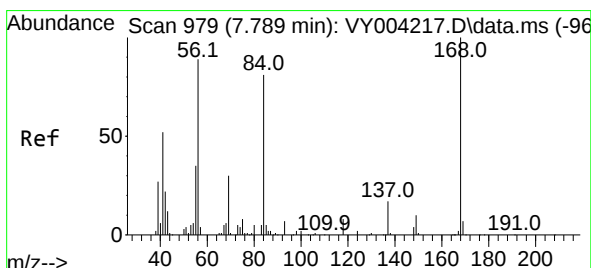
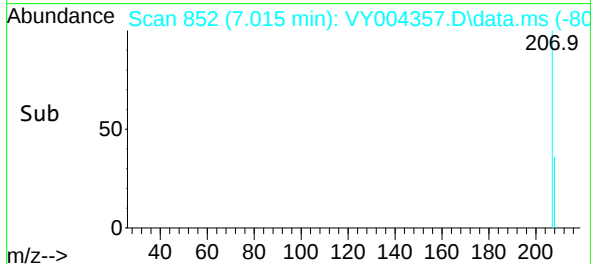
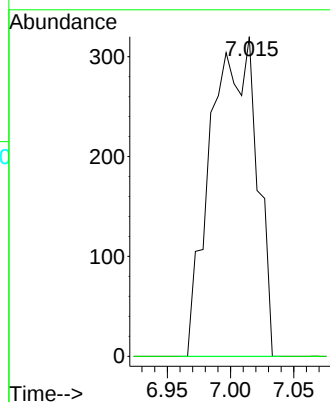
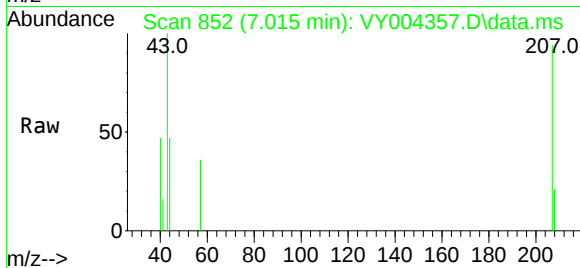
Delta R.T. 0.018 min

Lab File: VY004357.D

Acq: 09 Apr 2021 14:59

Instrument :
MSVOA_Y
ClientSampled :
S-9RE

Tgt Ion: 43 Resp: 804
Ion Ratio Lower Upper
43 100
72 0.0 21.0 31.6#



#31

Cyclohexane

Concen: 2.92 ug/l

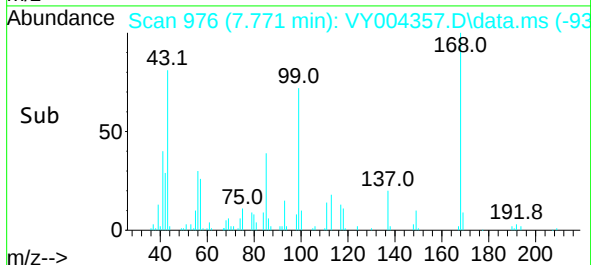
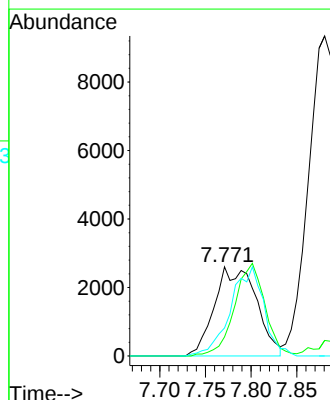
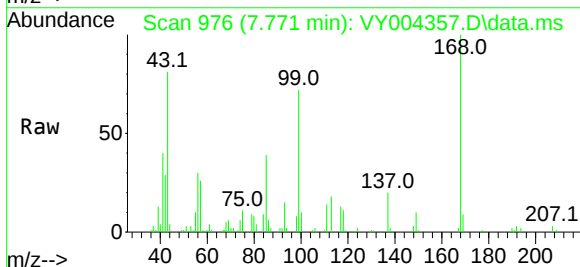
RT: 7.771 min Scan# 976

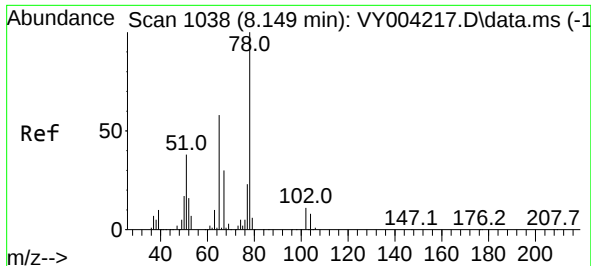
Delta R.T. -0.018 min

Lab File: VY004357.D

Acq: 09 Apr 2021 14:59

Tgt Ion: 56 Resp: 8317
Ion Ratio Lower Upper
56 100
69 21.3 26.6 40.0#
84 31.5 72.3 108.5#

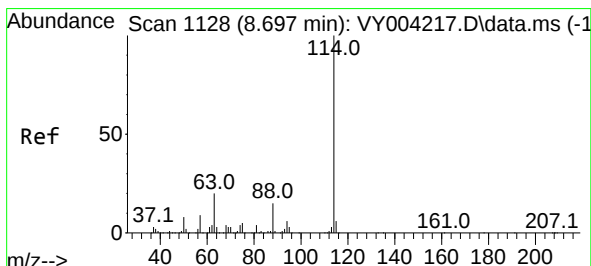
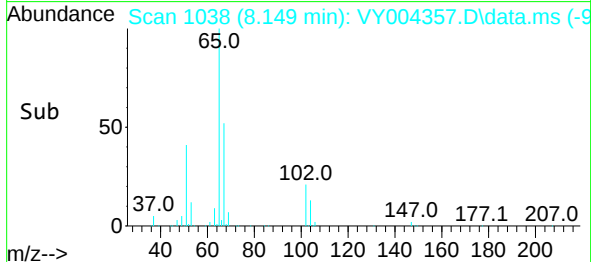
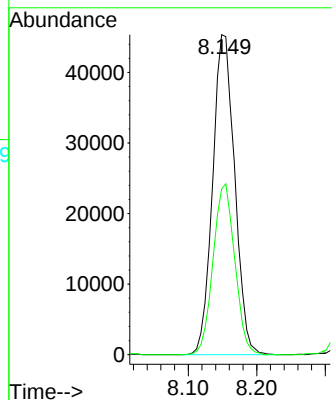
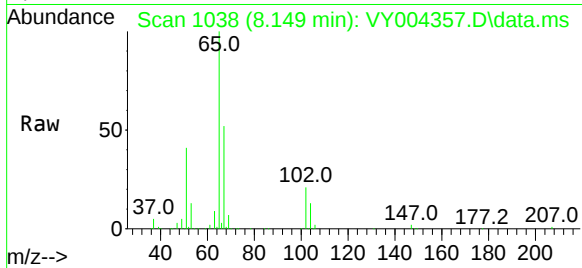




#33
 1,2-Dichloroethane-d4
 Concen: 62.97 ug/l
 RT: 8.149 min Scan# 1038
 Delta R.T. 0.000 min
 Lab File: VY004357.D
 Acq: 09 Apr 2021 14:59

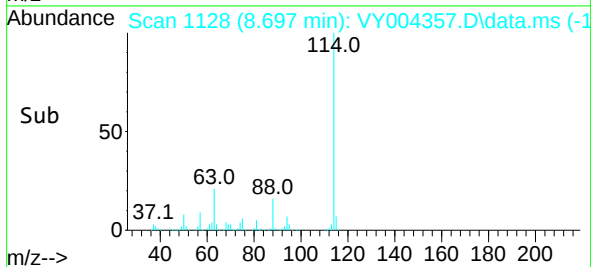
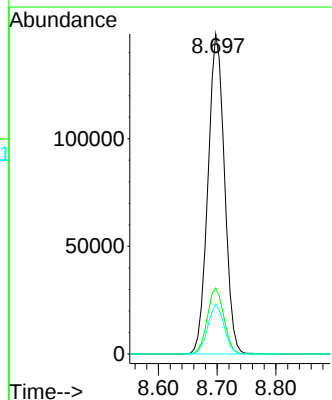
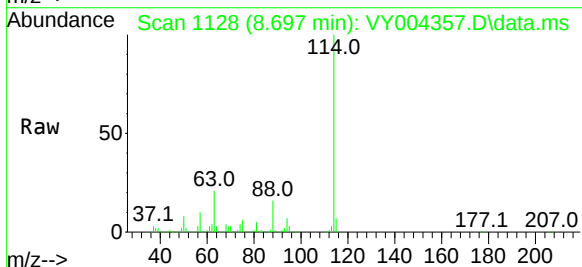
Instrument :
 MSVOA_Y
 ClientSampled :
 S-9RE

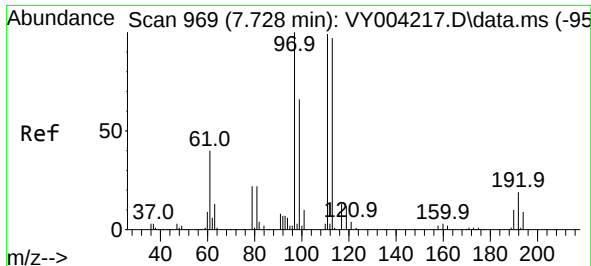
Tgt Ion: 65 Resp: 101363
 Ion Ratio Lower Upper
 65 100
 67 52.5 0.0 103.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.697 min Scan# 1128
 Delta R.T. 0.000 min
 Lab File: VY004357.D
 Acq: 09 Apr 2021 14:59

Tgt Ion: 114 Resp: 289755
 Ion Ratio Lower Upper
 114 100
 63 20.6 0.0 40.4
 88 15.6 0.0 30.8

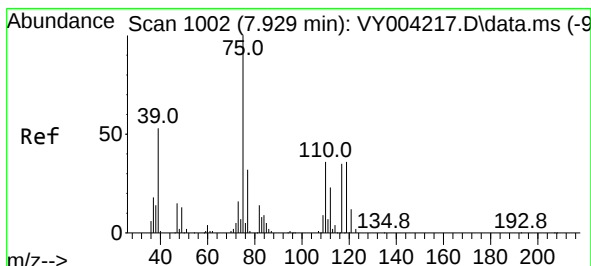
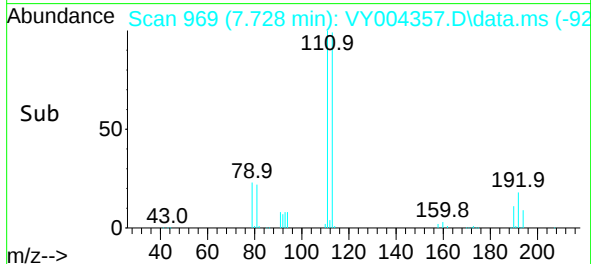
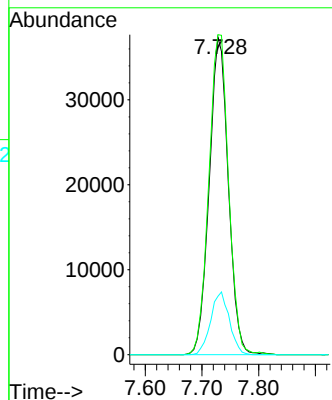
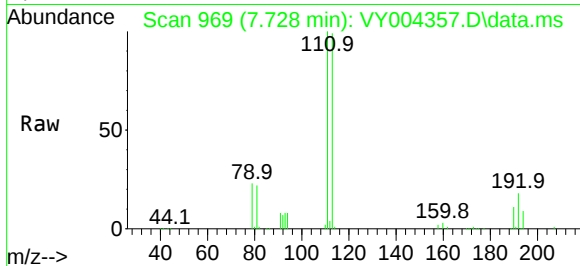




#35
Dibromofluoromethane
Concen: 54.13 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.000 min
Lab File: VY004357.D
Acq: 09 Apr 2021 14:59

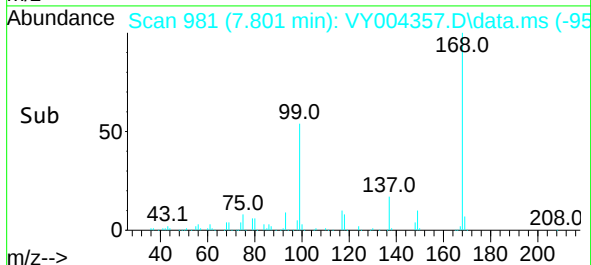
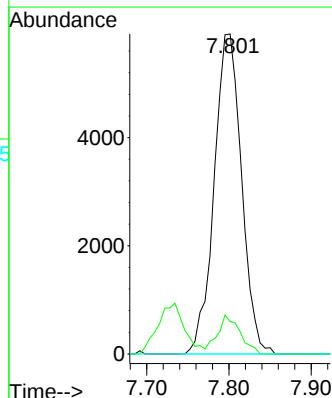
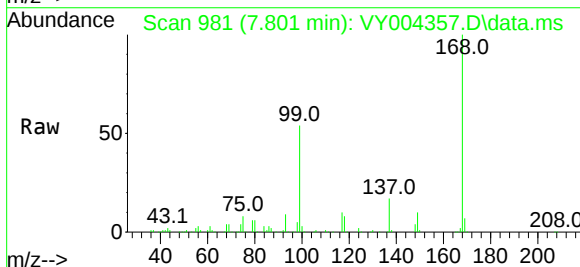
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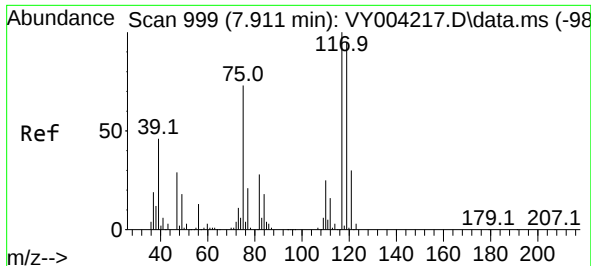
Tgt Ion:	113	Resp:	87387
Ion	Ratio	Lower	Upper
113	100		
111	104.3	82.6	124.0
192	19.4	16.4	24.6



#36
1,1-Dichloropropene
Concen: 5.17 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.128 min
Lab File: VY004357.D
Acq: 09 Apr 2021 14:59

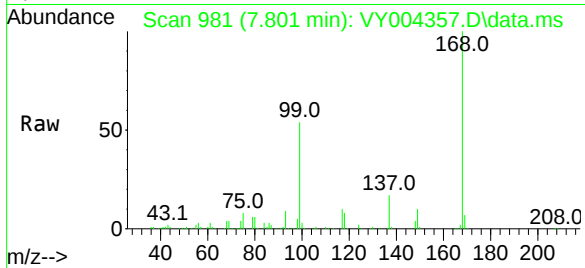
Tgt Ion:	75	Resp:	13682
Ion	Ratio	Lower	Upper
75	100		
110	9.9	18.1	54.3#
77	0.0	25.1	37.7#



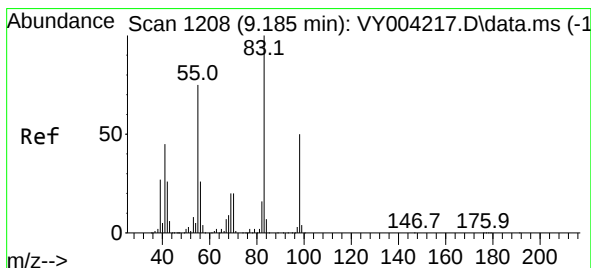
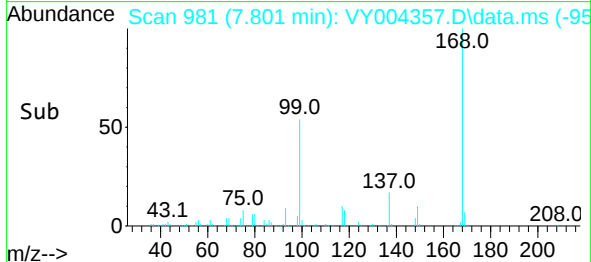
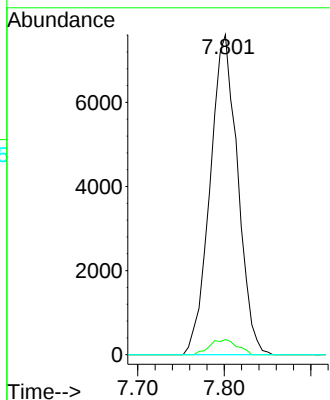


#38
Carbon Tetrachloride
Concen: 7.31 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.110 min
Lab File: VY004357.D
Acq: 09 Apr 2021 14:59

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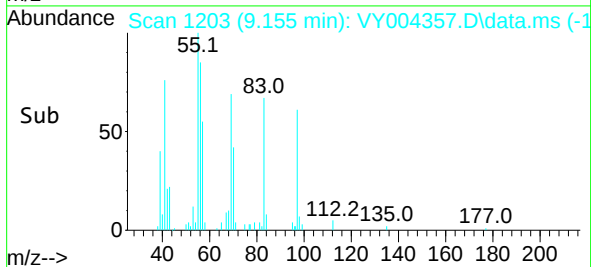
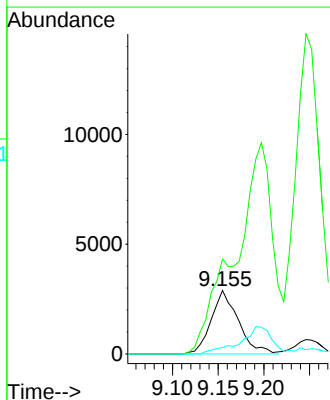
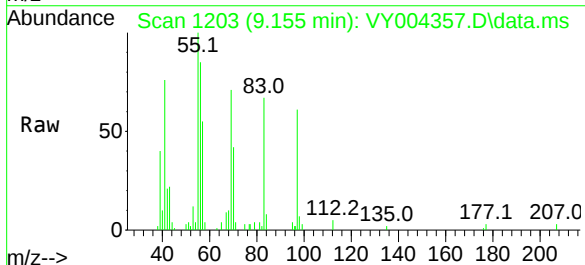


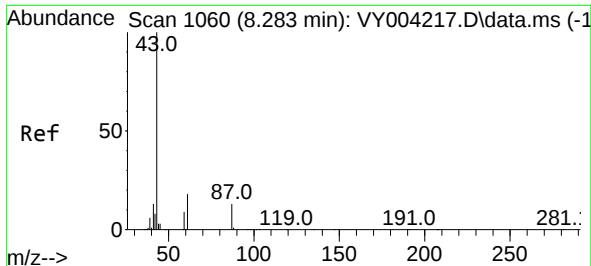
Tgt Ion: 117 Resp: 16811
Ion Ratio Lower Upper
117 100
119 4.8 75.6 113.4#
121 0.0 24.3 36.5#



#39
Methylcyclohexane
Concen: 1.83 ug/l
RT: 9.155 min Scan# 1203
Delta R.T. -0.030 min
Lab File: VY004357.D
Acq: 09 Apr 2021 14:59

Tgt Ion: 83 Resp: 5986
Ion Ratio Lower Upper
83 100
55 149.8 60.0 90.0#
98 10.2 40.2 60.2#



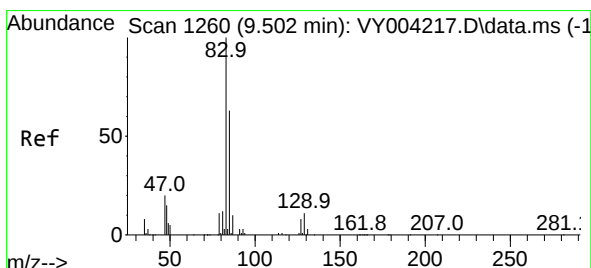
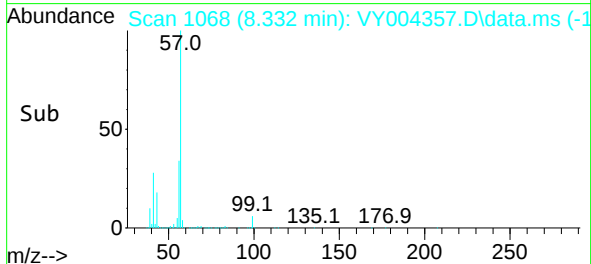
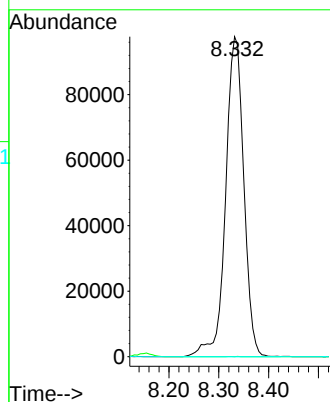
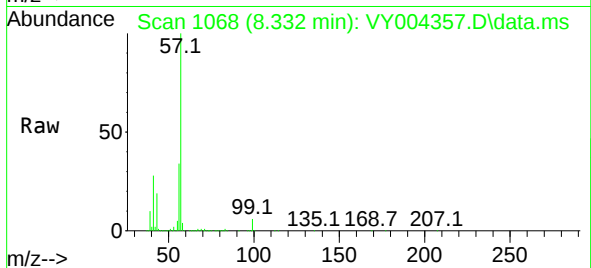


#43

Isopropyl Acetate
Concen: 84.15 ug/l
RT: 8.332 min Scan# 1068
Delta R.T. 0.049 min
Lab File: VY004357.D
Acq: 09 Apr 2021 14:59

Instrument :
MSVOA_Y
ClientSampled :
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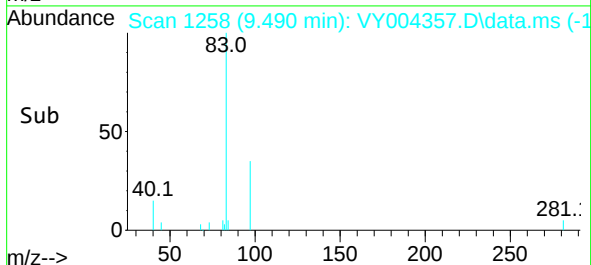
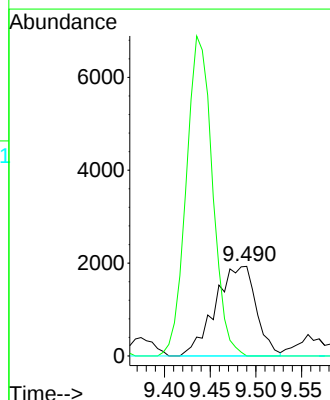
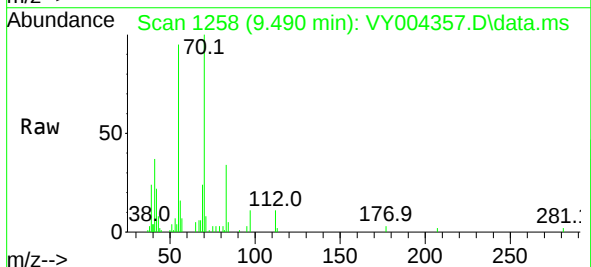
Tgt Ion: 43 Resp: 247212
Ion Ratio Lower Upper
43 100
61 0.0 21.9 32.9#
87 0.0 10.6 15.8#

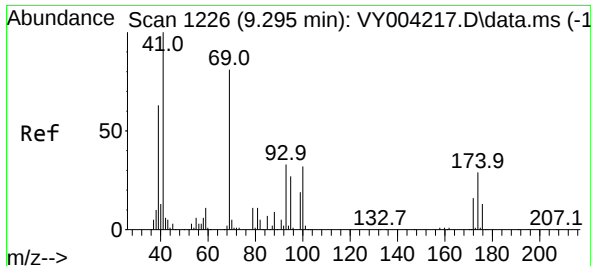


#47

Bromodichloromethane
Concen: 2.32 ug/l
RT: 9.490 min Scan# 1258
Delta R.T. -0.012 min
Lab File: VY004357.D
Acq: 09 Apr 2021 14:59

Tgt Ion: 83 Resp: 6030
Ion Ratio Lower Upper
83 100
85 0.0 50.3 75.5#
127 0.0 6.7 10.1#

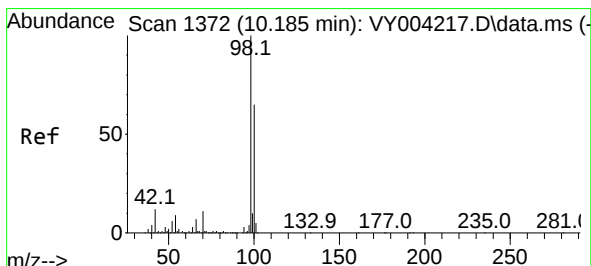
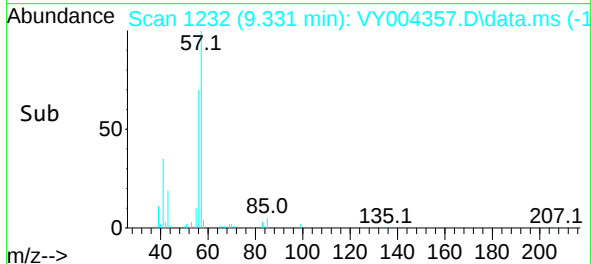
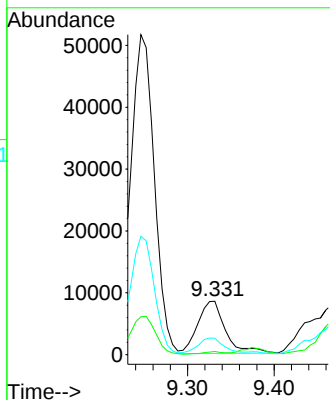
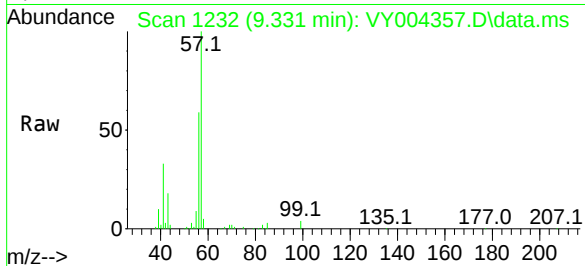




#48
Methyl methacrylate
Concen: 14.13 ug/l
RT: 9.331 min Scan# 1232
Delta R.T. 0.037 min
Lab File: VY004357.D
Acq: 09 Apr 2021 14:59

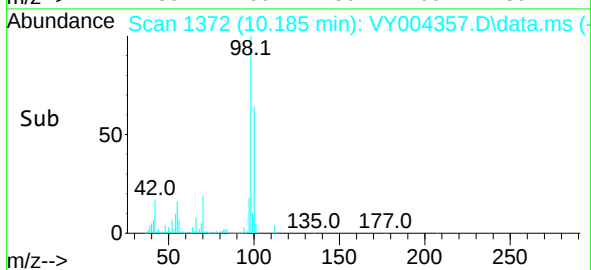
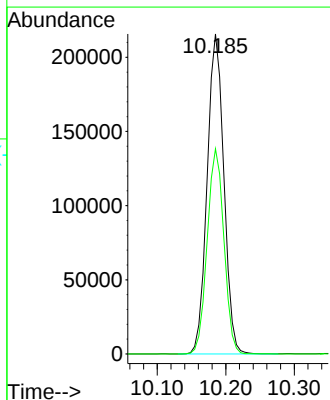
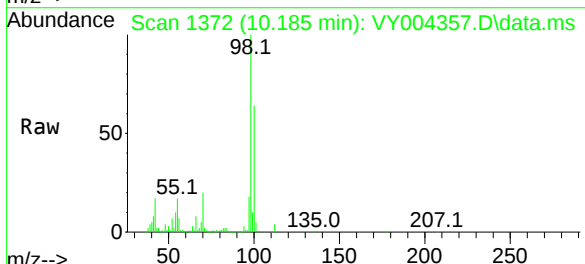
Instrument :
MSVOA_Y
ClientSampled :
S-9RE

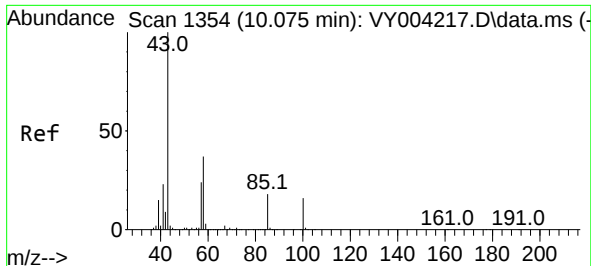
Tgt Ion: 41 Resp: 18860
Ion Ratio Lower Upper
41 100
69 4.0 67.0 100.4#
39 25.3 49.0 73.6#



#50
Toluene-d8
Concen: 60.17 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY004357.D
Acq: 09 Apr 2021 14:59

Tgt Ion: 98 Resp: 365367
Ion Ratio Lower Upper
98 100
100 64.0 52.5 78.7

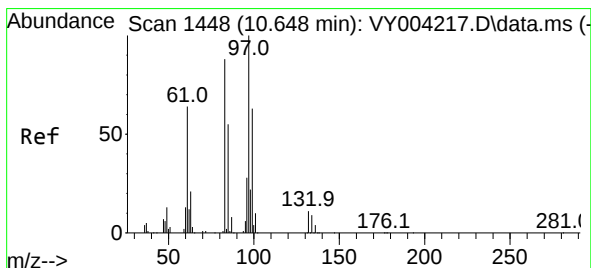
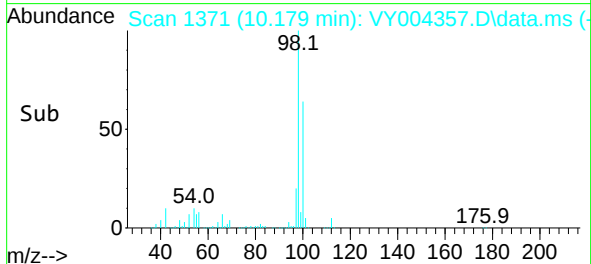
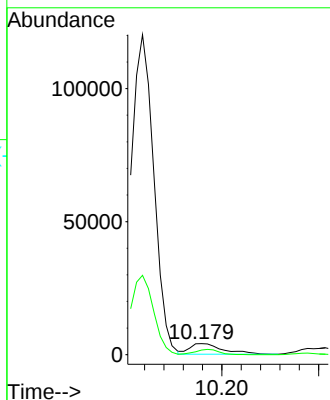
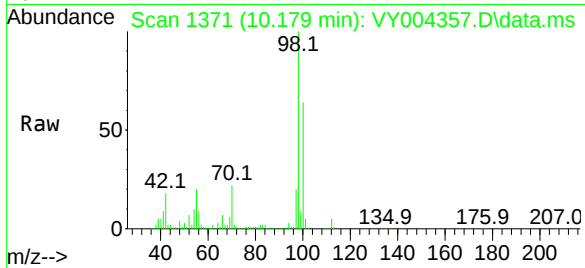




#51
4-Methyl-2-Pentanone
Concen: 6.42 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. 0.104 min
Lab File: VY004357.D
Acq: 09 Apr 2021 14:59

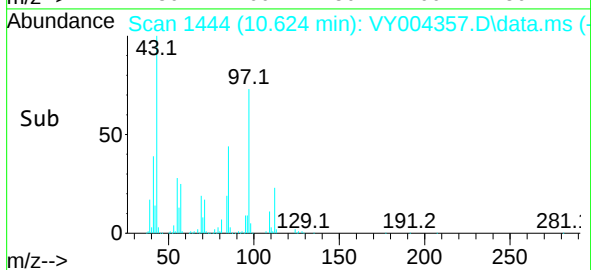
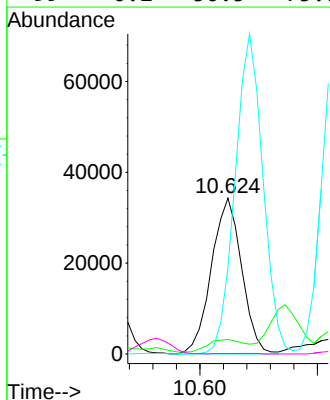
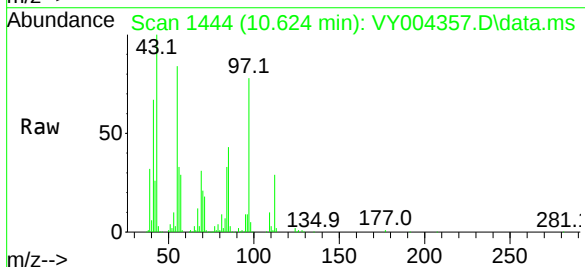
Instrument :
MSVOA_Y
ClientSampleId :
S-9RE

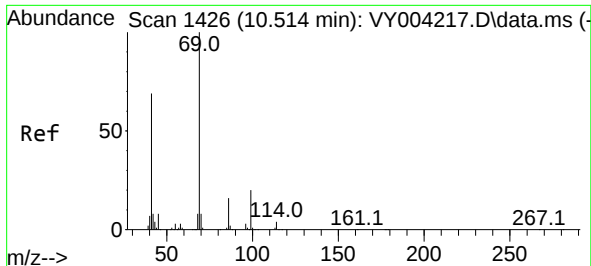
Tgt Ion: 43 Resp: 9609
Ion Ratio Lower Upper
43 100
58 35.5 30.6 45.8



#55
1,1,2-Trichloroethane
Concen: 41.14 ug/l
RT: 10.624 min Scan# 1444
Delta R.T. -0.024 min
Lab File: VY004357.D
Acq: 09 Apr 2021 14:59

Tgt Ion: 97 Resp: 61402
Ion Ratio Lower Upper
97 100
83 8.1 70.6 105.8#
85 55.3 44.2 66.4
99 0.2 50.5 75.7#

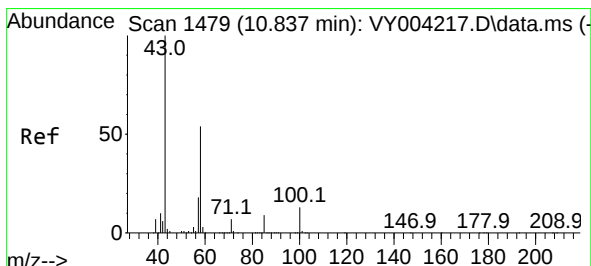
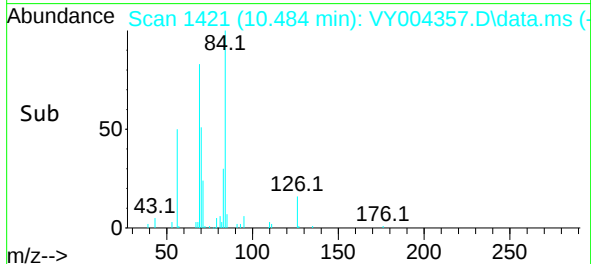
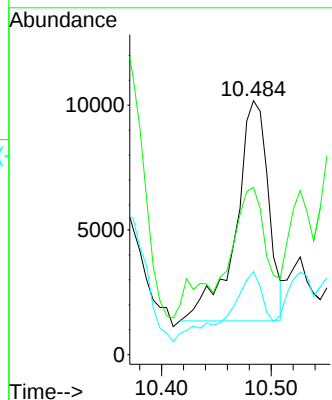
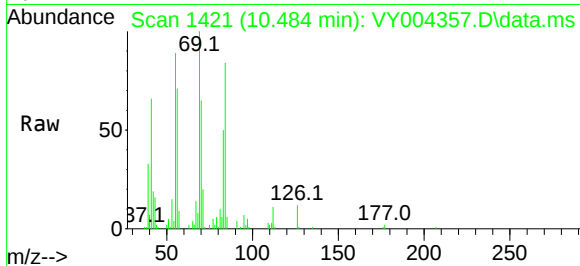




#56
Ethyl methacrylate
Concen: 8.96 ug/l
RT: 10.484 min Scan# 1421
Delta R.T. -0.030 min
Lab File: VY004357.D
Acq: 09 Apr 2021 14:59

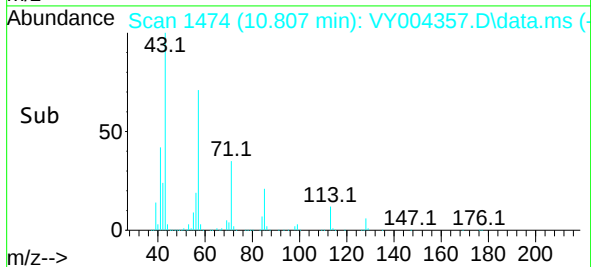
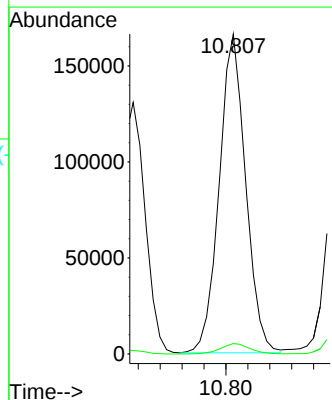
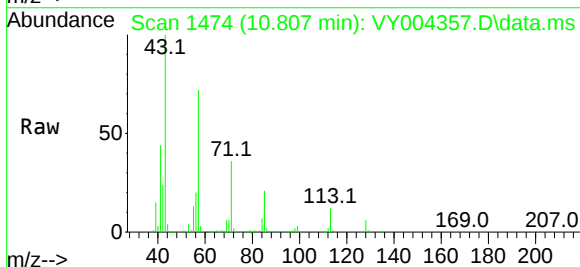
Instrument :
MSVOA_Y
ClientSampleId :
S-9RE

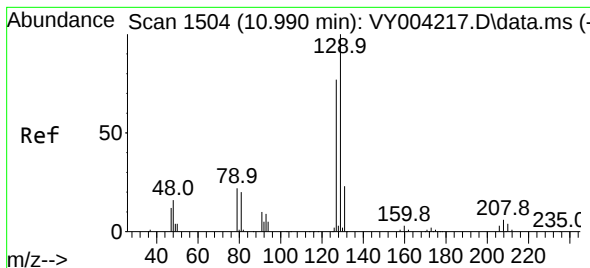
Tgt Ion: 69 Resp: 18358
Ion Ratio Lower Upper
69 100
41 73.3 54.8 82.2
39 38.1 33.4 50.0



#59
2-Hexanone
Concen: 270.29 ug/l
RT: 10.807 min Scan# 1474
Delta R.T. -0.030 min
Lab File: VY004357.D
Acq: 09 Apr 2021 14:59

Tgt Ion: 43 Resp: 278146
Ion Ratio Lower Upper
43 100
58 3.6 26.7 80.1#

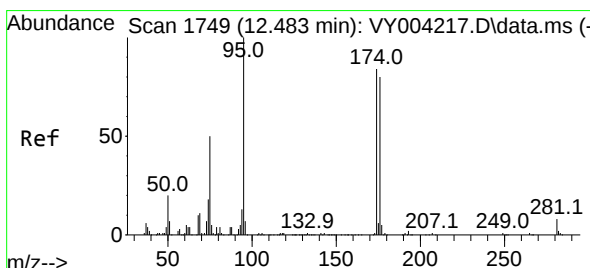
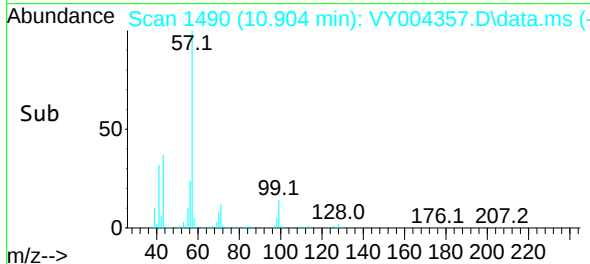
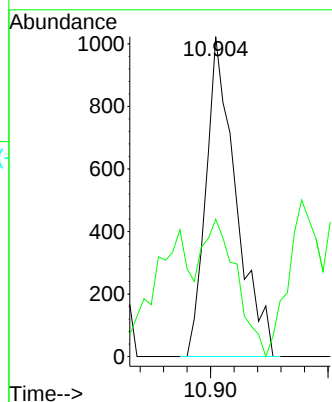
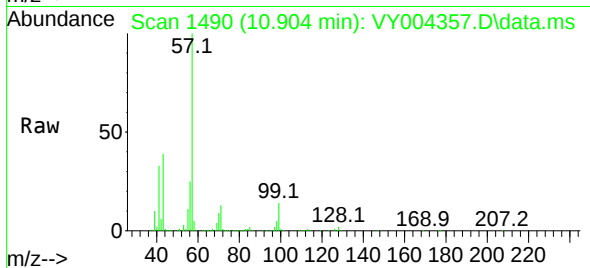




#60
Dibromochloromethane
Concen: 1.01 ug/l
RT: 10.904 min Scan# 1490
Delta R.T. -0.085 min
Lab File: VY004357.D
Acq: 09 Apr 2021 14:59

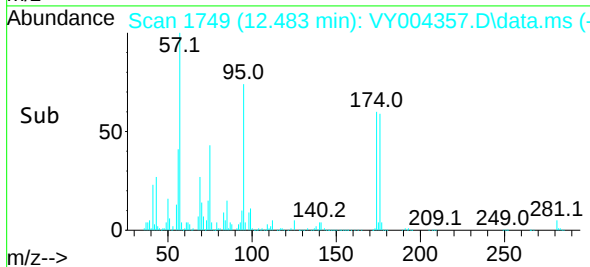
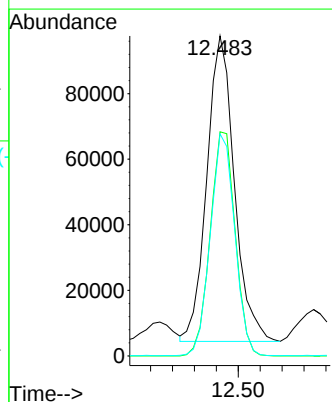
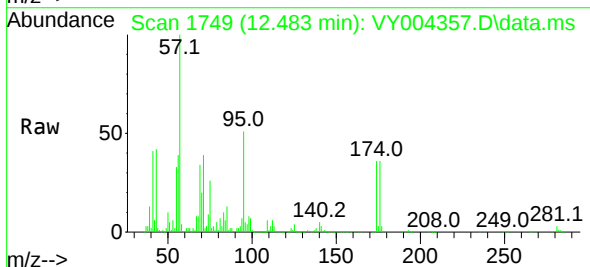
Instrument :
MSVOA_Y
ClientSampleId :
S-9RE

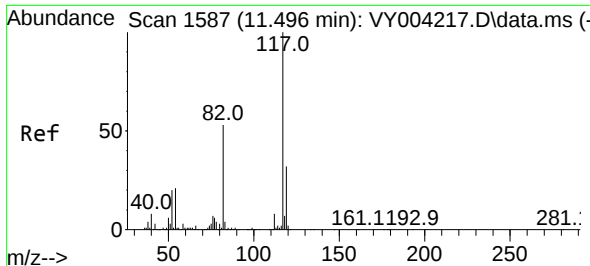
Tgt Ion:129 Resp: 1810
Ion Ratio Lower Upper
129 100
127 49.3 38.9 116.7



#62
4-Bromofluorobenzene
Concen: 78.02 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY004357.D
Acq: 09 Apr 2021 14:59

Tgt Ion: 95 Resp: 162374
Ion Ratio Lower Upper
95 100
174 66.7 0.0 171.4
176 64.6 0.0 165.6

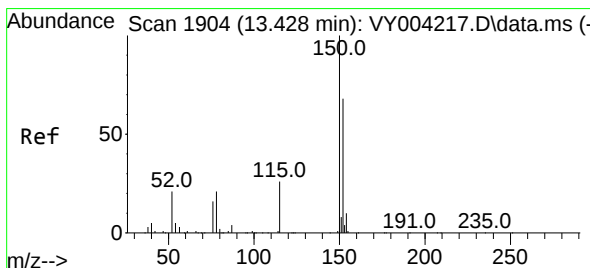
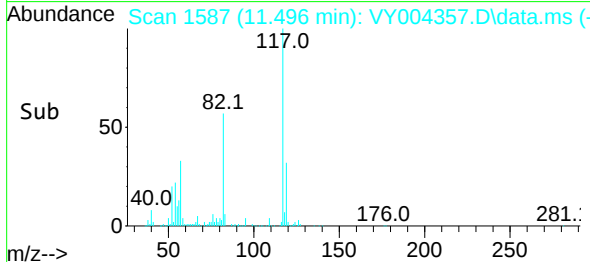
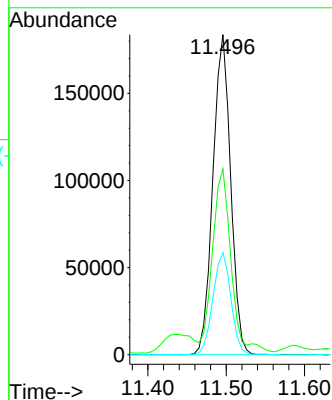
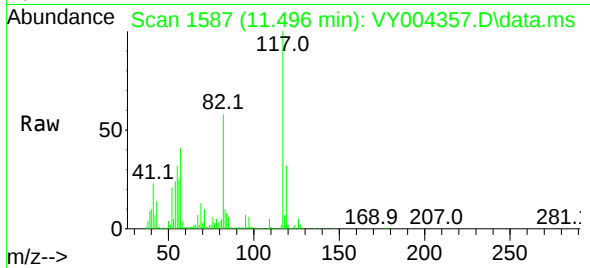




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VY004357.D
Acq: 09 Apr 2021 14:59

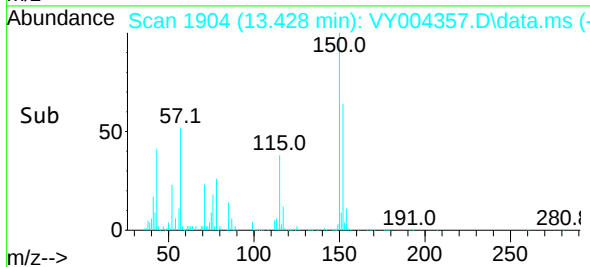
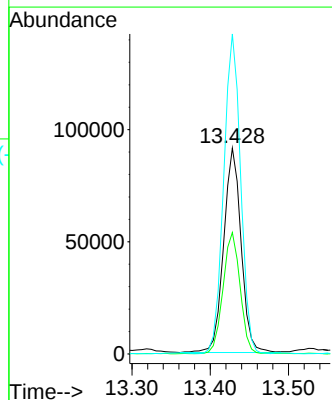
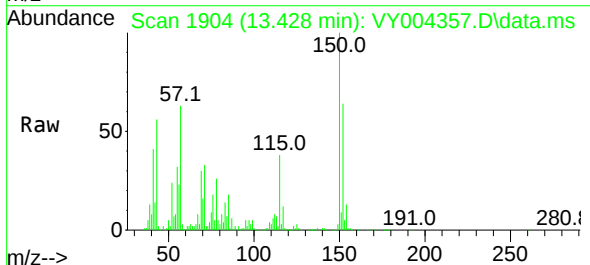
Instrument :
MSVOA_Y
ClientSampleId :
S-9RE

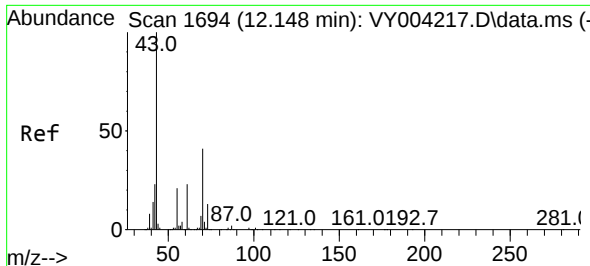
Tgt Ion:	117	Resp:	288552
Ion	Ratio	Lower	Upper
117	100		
82	56.6	42.7	64.1
119	31.8	25.7	38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY004357.D
Acq: 09 Apr 2021 14:59

Tgt Ion:	152	Resp:	141672
Ion	Ratio	Lower	Upper
152	100		
115	57.7	29.0	87.1
150	151.0	0.0	347.4

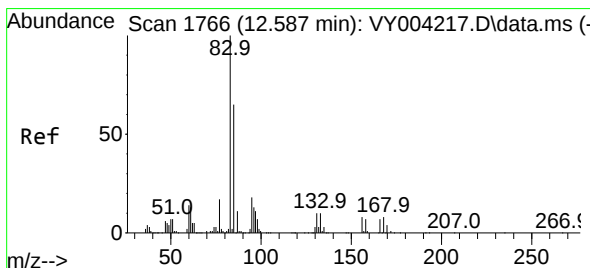
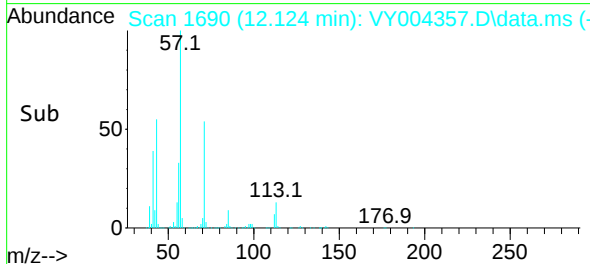
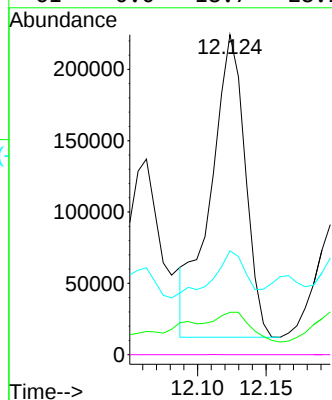
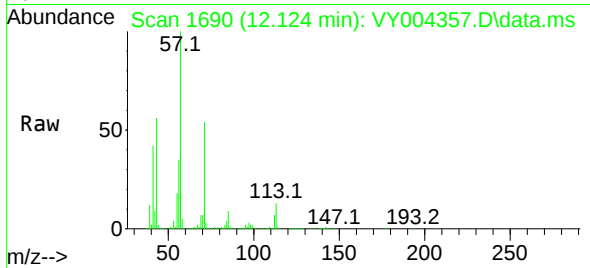




#74
N-amy1 acetate
Concen: 122.81 ug/l
RT: 12.124 min Scan# 1690
Delta R.T. -0.024 min
Lab File: VY004357.D
Acq: 09 Apr 2021 14:59

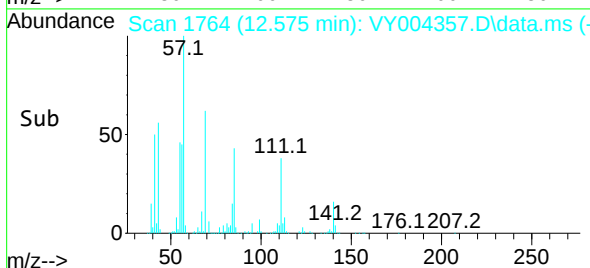
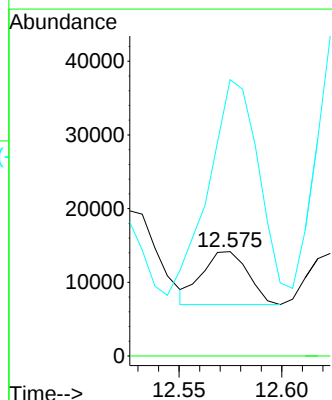
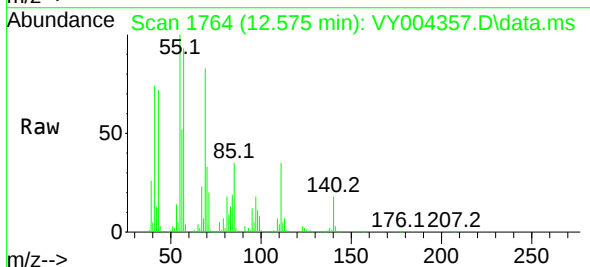
Instrument :
MSVOA_Y
ClientSampleId :
S-9RE

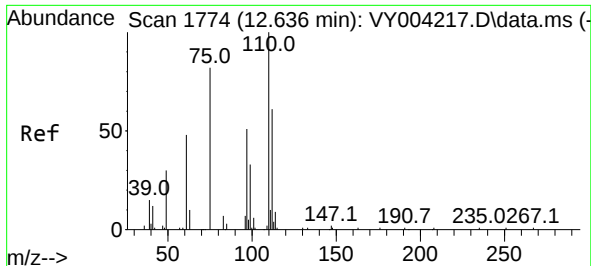
Tgt Ion:	43	Resp:	371486
Ion	Ratio	Lower	Upper
43	100		
70	9.9	32.6	49.0#
55	14.7	18.0	27.0#
61	0.0	18.7	28.1#



#75
1,1,2,2-Tetrachloroethane
Concen: 5.81 ug/l
RT: 12.575 min Scan# 1764
Delta R.T. -0.012 min
Lab File: VY004357.D
Acq: 09 Apr 2021 14:59

Tgt Ion:	83	Resp:	11135
Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.6	16.8#
85	506.2	31.8	95.4#

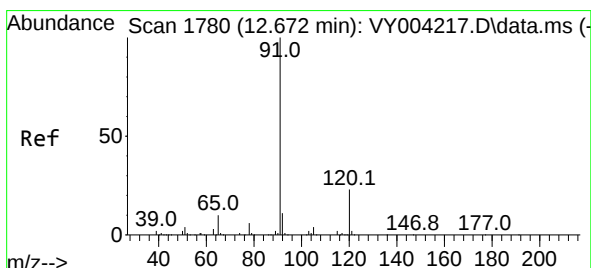
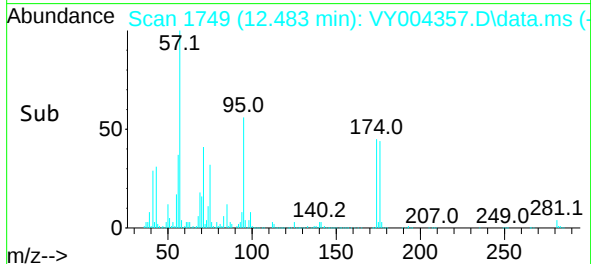
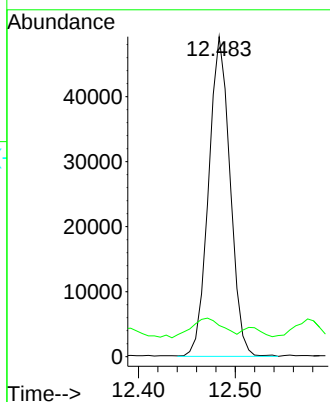
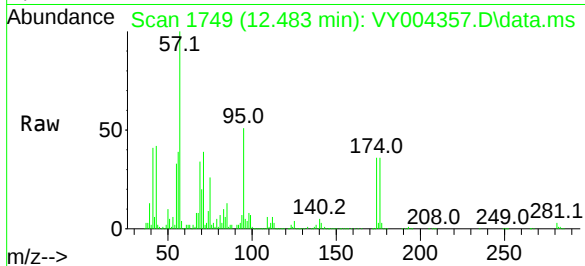




#76
1,2,3-Trichloropropane
Concen: 58.98 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY004357.D
Acq: 09 Apr 2021 14:59

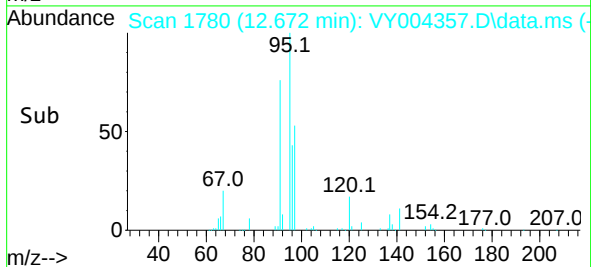
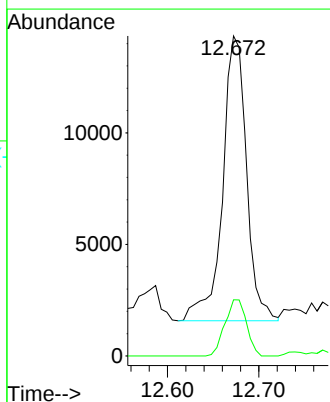
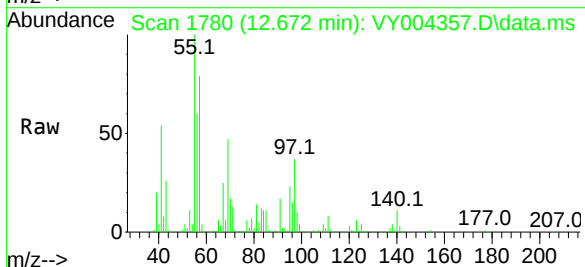
Instrument :
MSVOA_Y
ClientSampled :
S-9RE

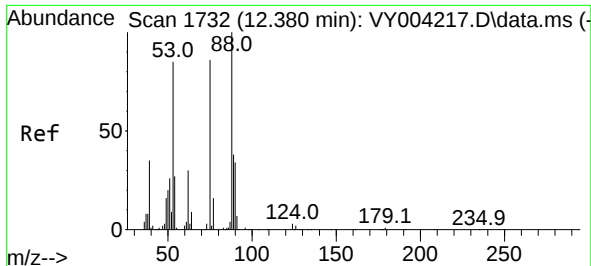
Tgt Ion: 75 Resp: 75875
Ion Ratio Lower Upper
75 100
77 8.6 0.0 0.0#



#78
n-propylbenzene
Concen: 1.95 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. 0.000 min
Lab File: VY004357.D
Acq: 09 Apr 2021 14:59

Tgt Ion: 91 Resp: 23313
Ion Ratio Lower Upper
91 100
120 17.7 11.9 35.5

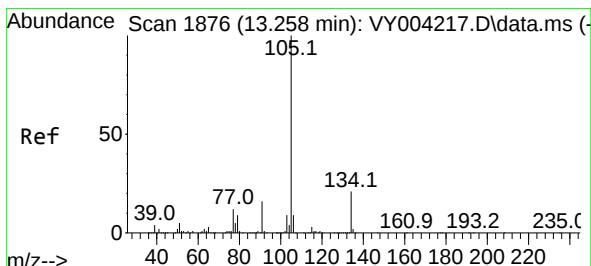
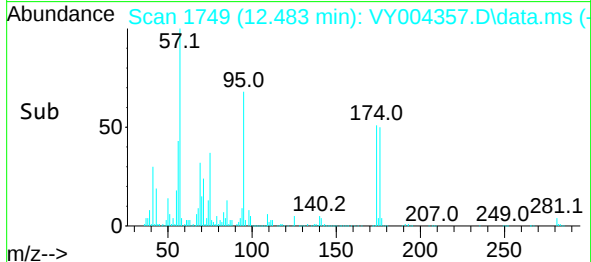
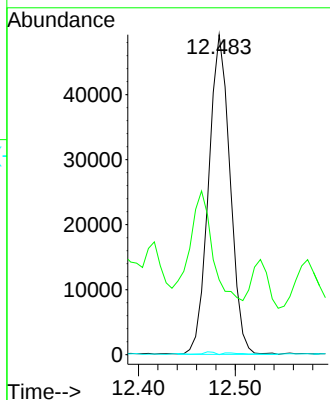
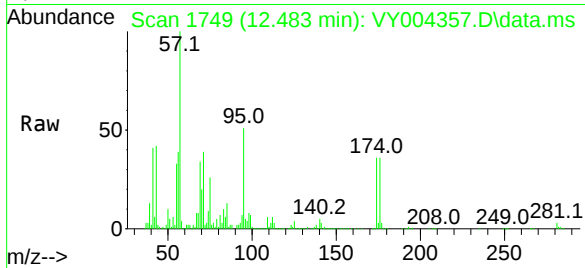




#81
trans-1,4-Dichloro-2-butene
Concen: 108.70 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY004357.D
Acq: 09 Apr 2021 14:59

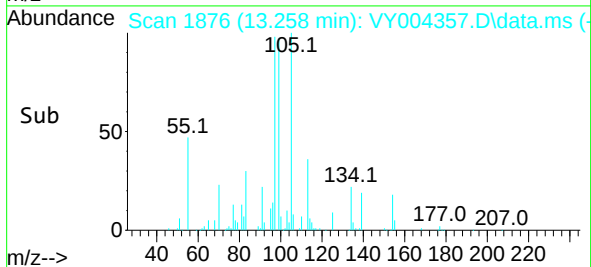
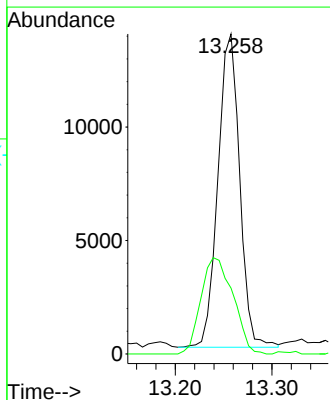
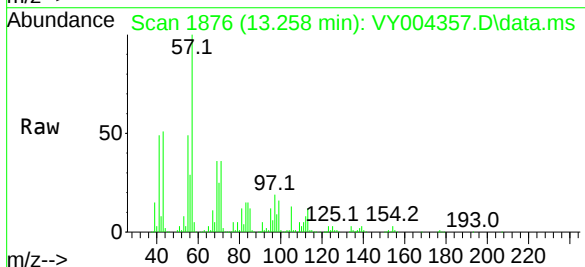
Instrument :
MSVOA_Y
ClientSampleId :
S-9RE

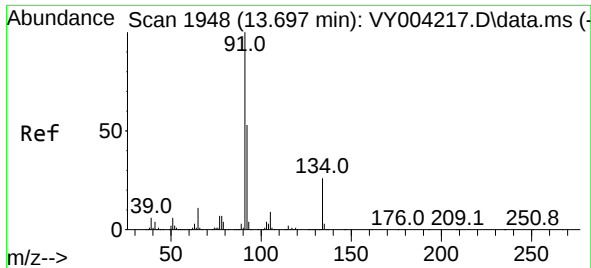
Tgt Ion: 75 Resp: 75875
Ion Ratio Lower Upper
75 100
53 0.0 79.3 118.9#
89 0.6 39.4 59.2#



#85
sec-Butylbenzene
Concen: 2.14 ug/l
RT: 13.258 min Scan# 1876
Delta R.T. 0.000 min
Lab File: VY004357.D
Acq: 09 Apr 2021 14:59

Tgt Ion: 105 Resp: 21537
Ion Ratio Lower Upper
105 100
134 45.4 10.4 31.4#

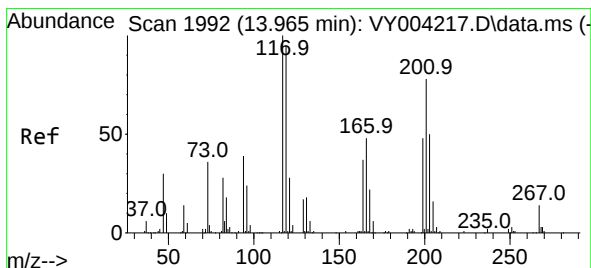
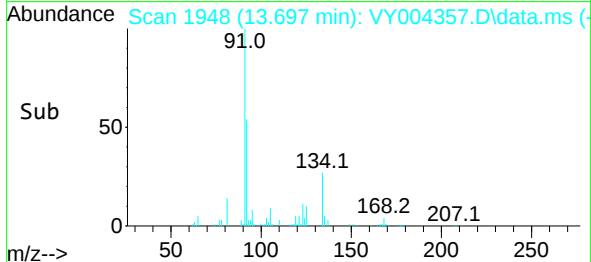
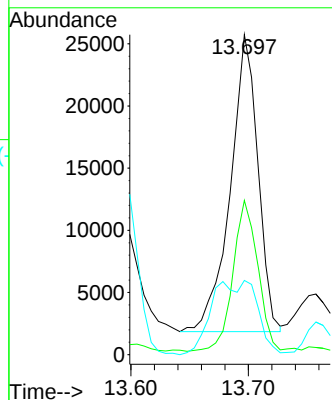
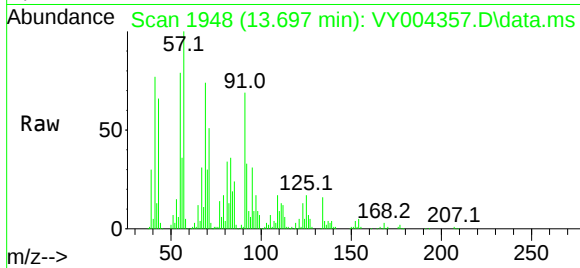




#89
n-Butylbenzene
Concen: 4.54 ug/l
RT: 13.697 min Scan# 1948
Delta R.T. 0.000 min
Lab File: VY004357.D
Acq: 09 Apr 2021 14:59

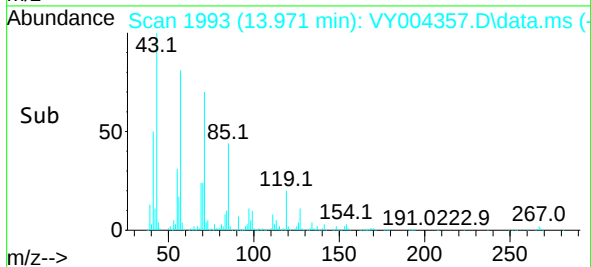
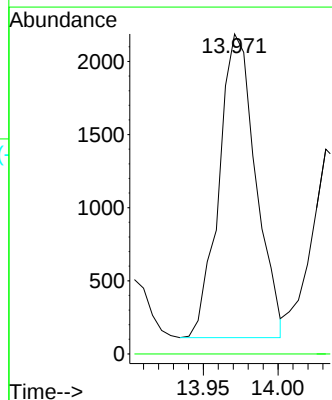
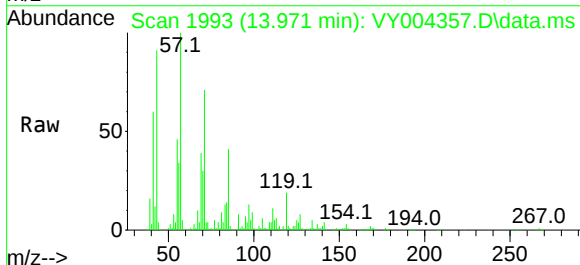
Instrument :
MSVOA_Y
ClientSampled :
S-9RE

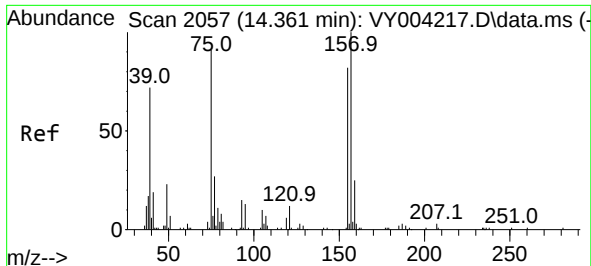
Tgt Ion: 91 Resp: 38983
Ion Ratio Lower Upper
91 100
92 45.7 26.5 79.4
134 25.1 13.6 40.7



#90
Hexachloroethane
Concen: 10.95 ug/l
RT: 13.971 min Scan# 1993
Delta R.T. 0.006 min
Lab File: VY004357.D
Acq: 09 Apr 2021 14:59

Tgt Ion: 117 Resp: 3558
Ion Ratio Lower Upper
117 100
201 0.0 37.6 112.9#

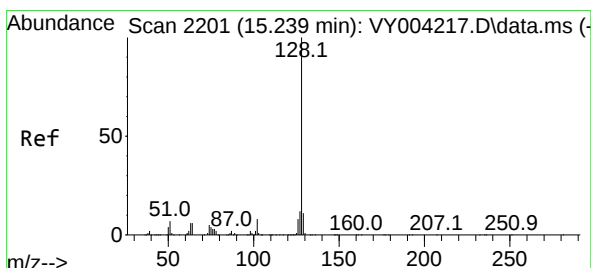
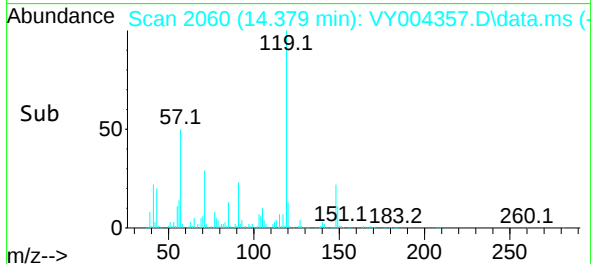
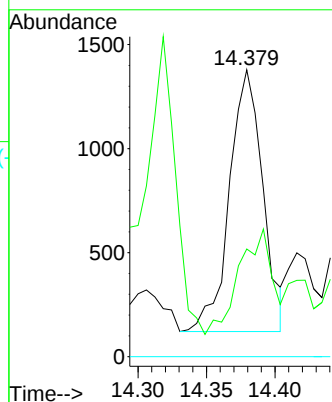
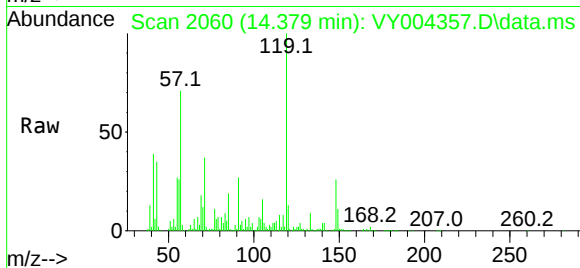




#92
1,2-Dibromo-3-Chloropropane
Concen: 5.96 ug/l
RT: 14.379 min Scan# 2060
Delta R.T. 0.018 min
Lab File: VY004357.D
Acq: 09 Apr 2021 14:59

Instrument :
MSVOA_Y
ClientSampleId :
S-9RE

Tgt Ion: 75 Resp: 2130
Ion Ratio Lower Upper
75 100
155 39.6 46.3 138.8#
157 0.0 58.3 174.9#



#95
Naphthalene
Concen: 3.80 ug/l
RT: 15.208 min Scan# 2196
Delta R.T. -0.030 min
Lab File: VY004357.D
Acq: 09 Apr 2021 14:59

Tgt Ion:128 Resp: 23234
Ion Ratio Lower Upper
128 100
127 69.6 10.1 15.1#
129 79.8 8.9 13.3#

