

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY040821\
 Data File : VY004344.D
 Acq On : 08 Apr 2021 18:38
 Operator : SY/MD
 Sample : M1979-09
 Misc : 4.55G/5ML/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Apr 09 03:19:04 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)

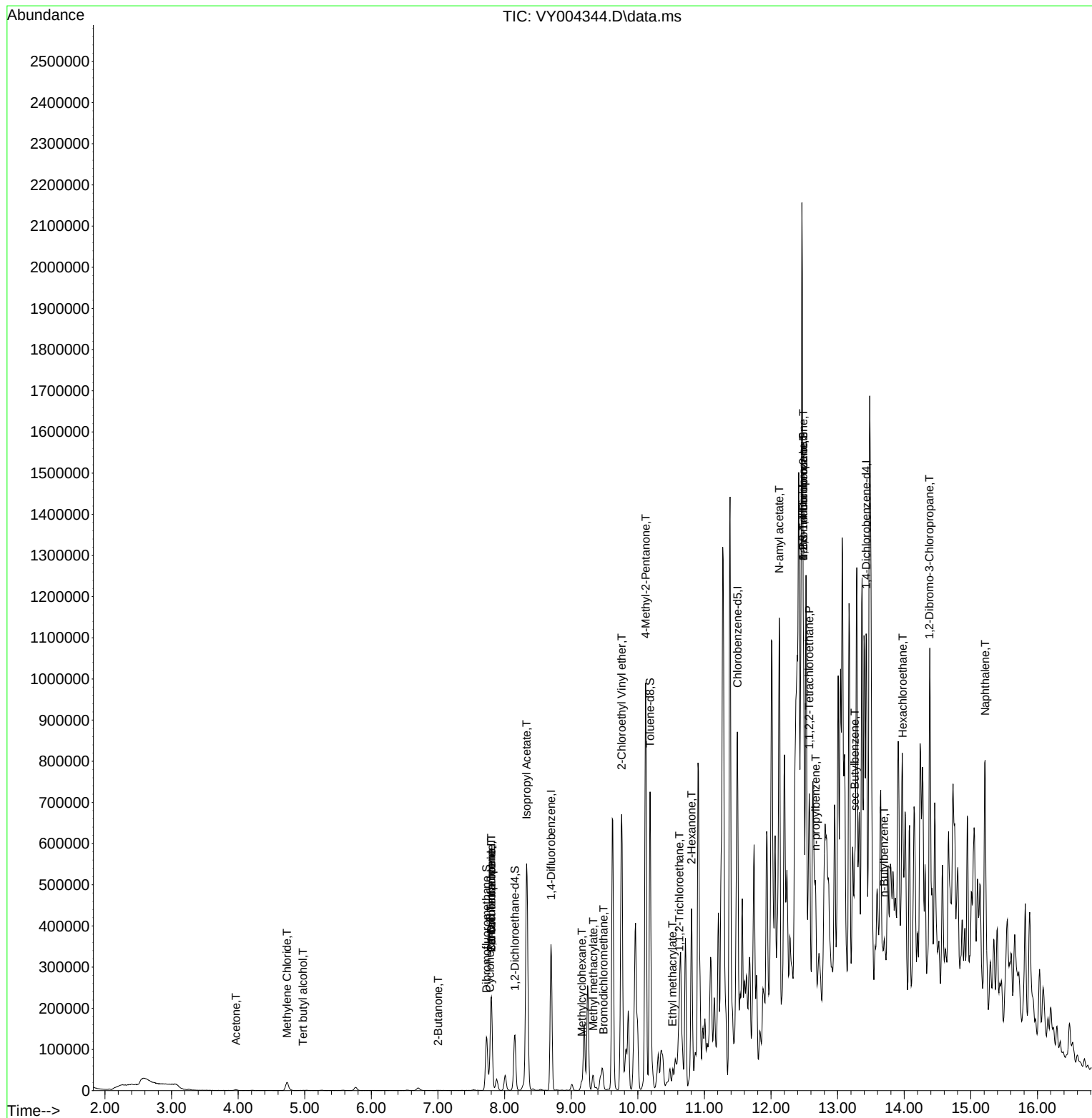
Internal Standards						
1) Pentafluorobenzene	7.801	168	171924	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	295157	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	281007	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	139194	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	105829	64.03	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 128.06%			
35) Dibromofluoromethane	7.728	113	90023	54.74	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.48%			
50) Toluene-d8	10.185	98	370244	59.86	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 119.72%			
62) 4-Bromofluorobenzene	12.483	95	155654	73.42	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 146.84%#			
Target Compounds					Qvalue	
11) Tert butyl alcohol	4.972	59	932	6.93	ug/l #	71
16) Acetone	3.966	43	3491	10.14	ug/l	94
20) Methylene Chloride	4.735	84	14017	6.09	ug/l	98
25) 2-Butanone	7.002	43	716	1.24	ug/l #	49
31) Cyclohexane	7.783	56	7109	2.43	ug/l #	71
36) 1,1-Dichloropropene	7.801	75	13582	5.04	ug/l #	49
38) Carbon Tetrachloride	7.801	117	17066	7.28	ug/l #	15
39) Methylcyclohexane	9.161	83	3906	1.17	ug/l #	18
43) Isopropyl Acetate	8.331	43	119156	39.82	ug/l #	54
47) Bromodichloromethane	9.484	83	4379	1.65	ug/l #	26
48) Methyl methacrylate	9.331	41	8234	6.06	ug/l #	36
51) 4-Methyl-2-Pentanone	10.118	43	116001	76.08	ug/l #	79
55) 1,1,2-Trichloroethane	10.624	97	44122	29.02	ug/l #	33
56) Ethyl methacrylate	10.520	69	3080	1.48	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.758	63	1154	1.29	ug/l #	45
59) 2-Hexanone	10.807	43	176284	168.17	ug/l #	30
74) N-amyl acetate	12.123	43	257639	86.69	ug/l #	56
75) 1,1,2,2-Tetrachloroethane	12.575	83	8418	4.47	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	73853	58.43	ug/l #	100
78) n-propylbenzene	12.672	91	19615	1.67	ug/l	91
81) trans-1,4-Dichloro-2-b...	12.483	75	73853	107.69	ug/l #	10
85) sec-Butylbenzene	13.257	105	18594	1.88	ug/l #	45
89) n-Butylbenzene	13.696	91	32817	3.89	ug/l	89
90) Hexachloroethane	13.977	117	3457	10.91	ug/l #	12
92) 1,2-Dibromo-3-Chloropr...	14.379	75	1621	4.62	ug/l #	12
95) Naphthalene	15.214	128	16618	2.76	ug/l #	1

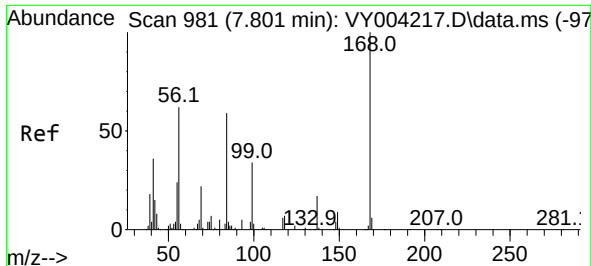
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

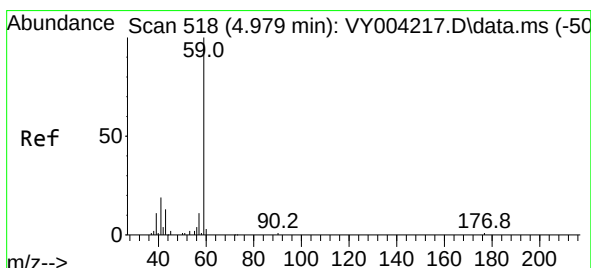
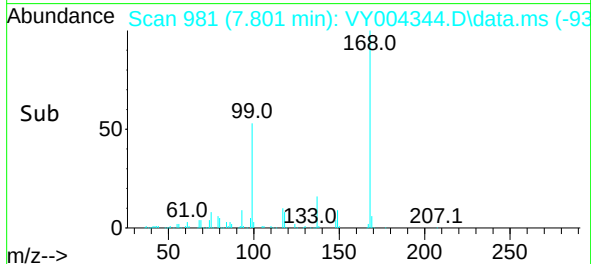
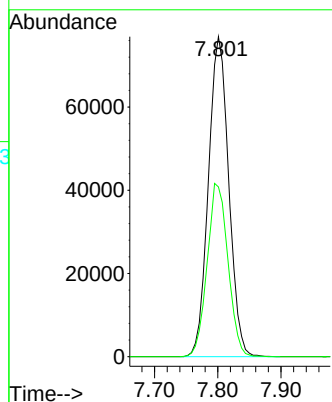
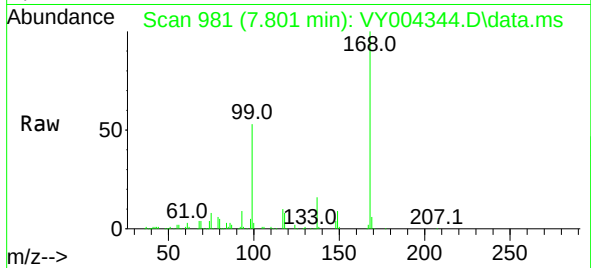




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY004344.D
Acq: 08 Apr 2021 18:38

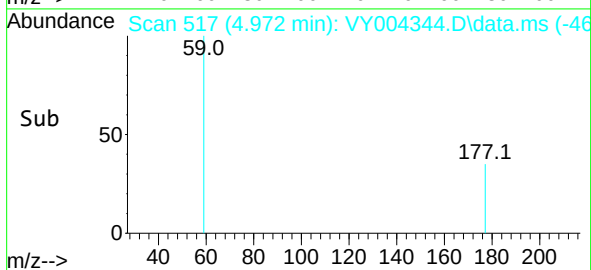
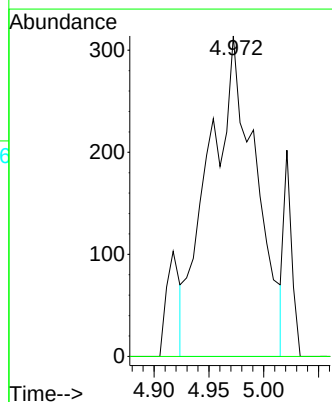
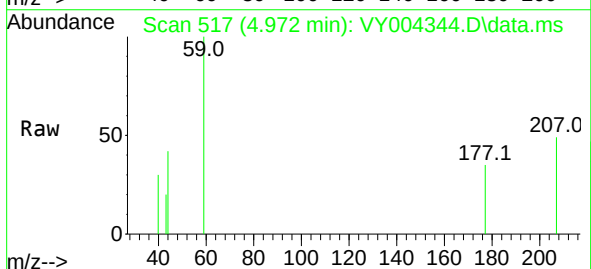
Instrument :
MSVOA_Y
ClientSampled :

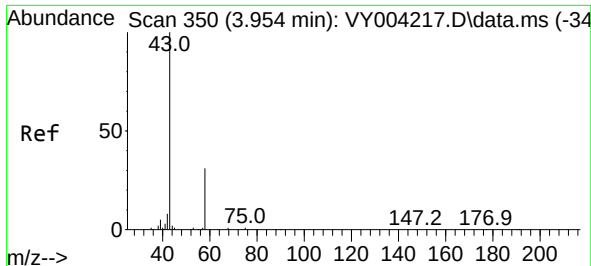
Tgt Ion:168 Resp: 171924
Ion Ratio Lower Upper
168 100
99 53.0 42.6 64.0



#11
Tert butyl alcohol
Concen: 6.93 ug/l
RT: 4.972 min Scan# 517
Delta R.T. -0.006 min
Lab File: VY004344.D
Acq: 08 Apr 2021 18:38

Tgt Ion: 59 Resp: 932
Ion Ratio Lower Upper
59 100
57 0.0 8.9 13.3#

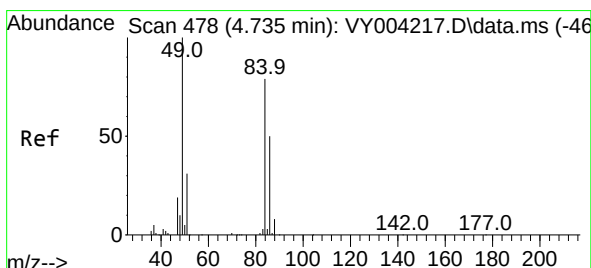
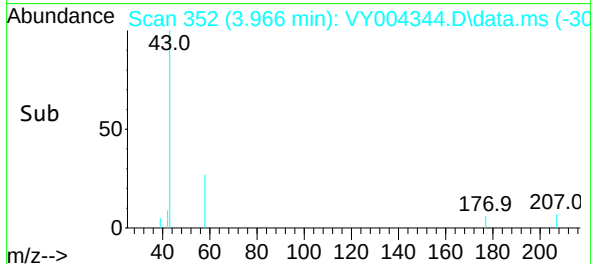
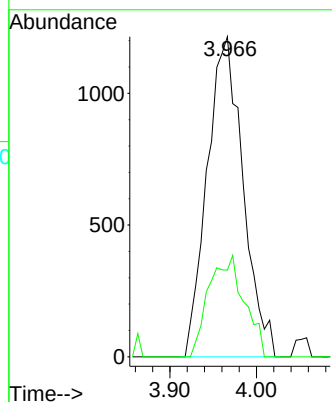
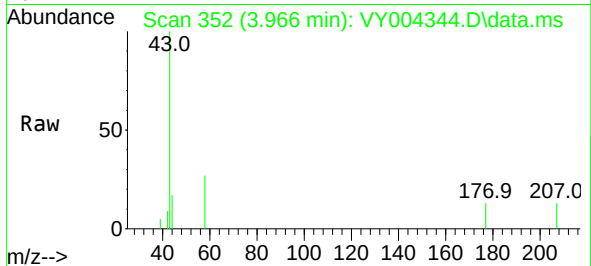




#16
Acetone
Concen: 10.14 ug/l
RT: 3.966 min Scan# 352
Delta R.T. 0.012 min
Lab File: VY004344.D
Acq: 08 Apr 2021 18:38

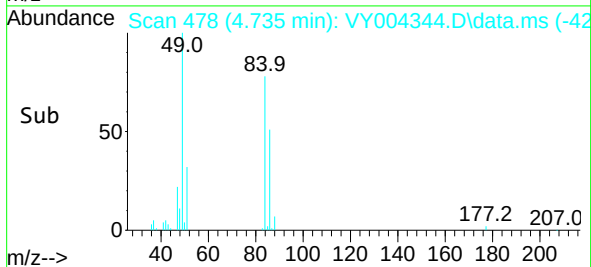
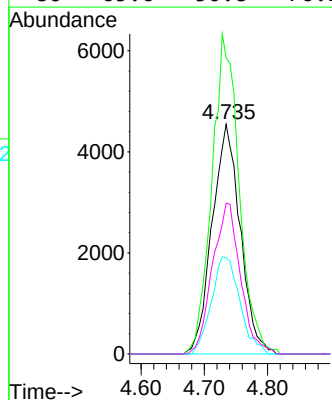
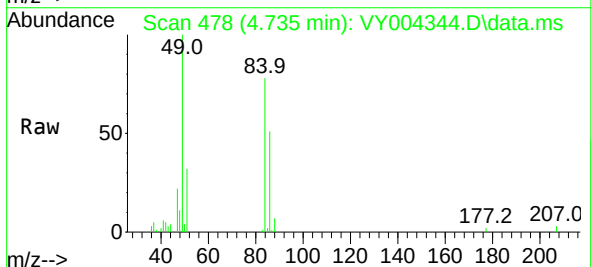
Instrument :
MSVOA_Y
ClientSampled :

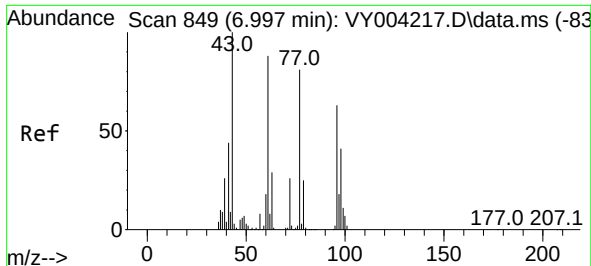
Tgt Ion: 43 Resp: 3491
Ion Ratio Lower Upper
43 100
58 27.1 24.5 36.7



#20
Methylene Chloride
Concen: 6.09 ug/l
RT: 4.735 min Scan# 478
Delta R.T. -0.000 min
Lab File: VY004344.D
Acq: 08 Apr 2021 18:38

Tgt Ion: 84 Resp: 14017
Ion Ratio Lower Upper
84 100
49 128.9 101.5 152.3
51 41.9 31.5 47.3
86 65.6 50.8 76.2

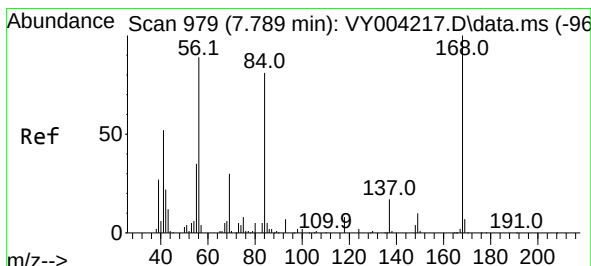
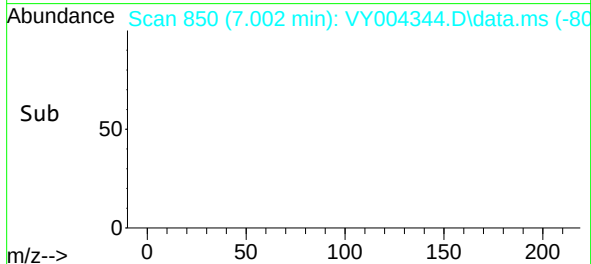
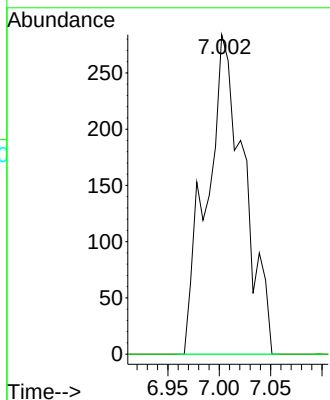
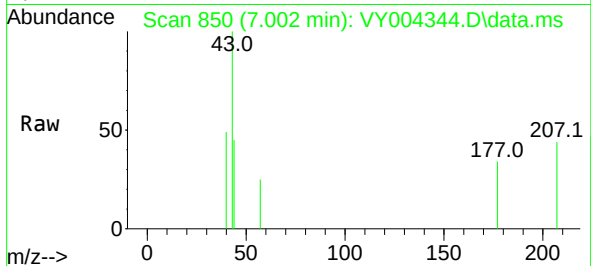




#25
2-Butanone
Concen: 1.24 ug/l
RT: 7.002 min Scan# 850
Delta R.T. 0.006 min
Lab File: VY004344.D
Acq: 08 Apr 2021 18:38

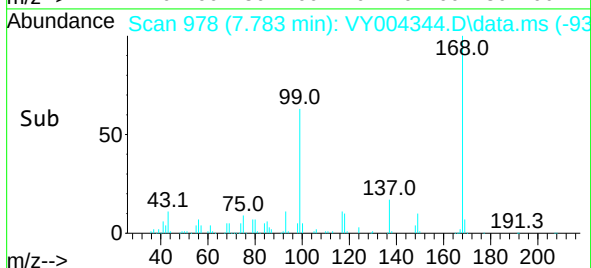
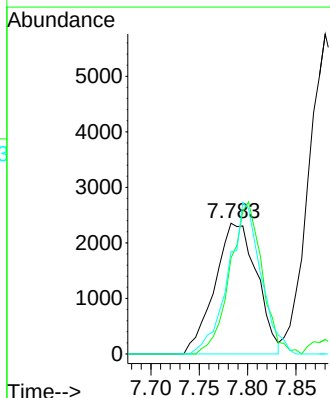
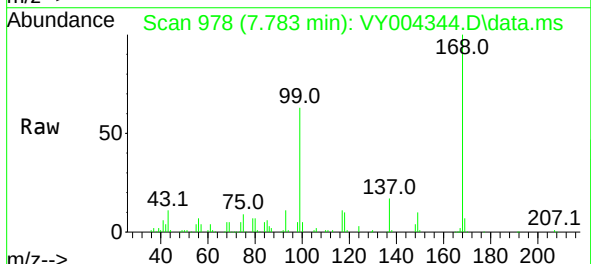
Instrument :
MSVOA_Y
ClientSampled :

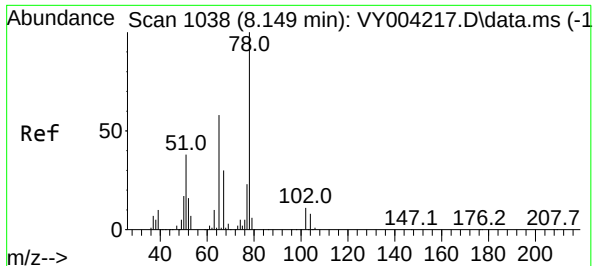
Tgt Ion: 43 Resp: 716
Ion Ratio Lower Upper
43 100
72 0.0 21.0 31.6#



#31
Cyclohexane
Concen: 2.43 ug/l
RT: 7.783 min Scan# 978
Delta R.T. -0.006 min
Lab File: VY004344.D
Acq: 08 Apr 2021 18:38

Tgt Ion: 56 Resp: 7109
Ion Ratio Lower Upper
56 100
69 73.4 26.6 40.0#
84 78.1 72.3 108.5

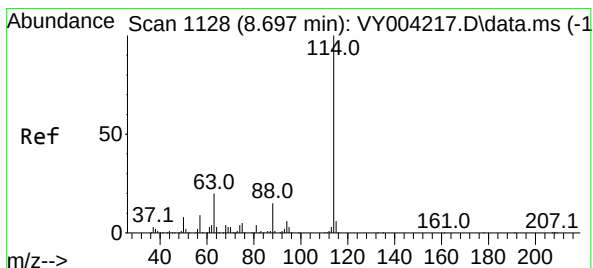
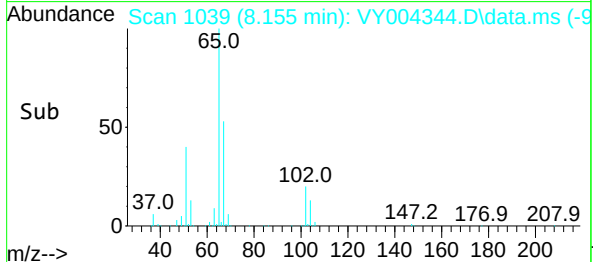
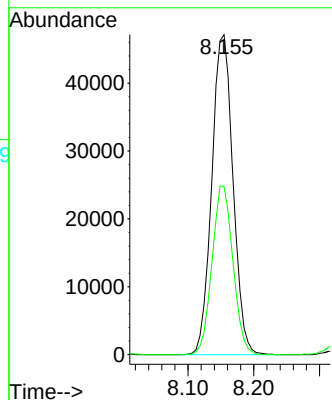
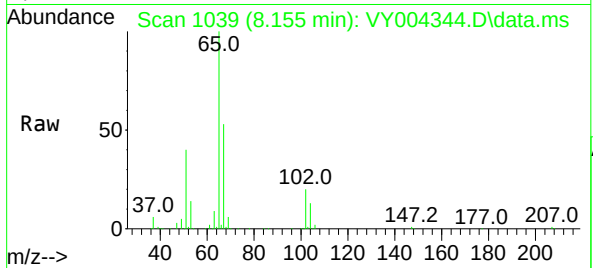




#33
1,2-Dichloroethane-d4
Concen: 64.03 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. 0.006 min
Lab File: VY004344.D
Acq: 08 Apr 2021 18:38

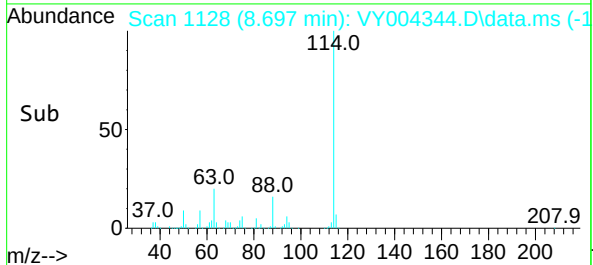
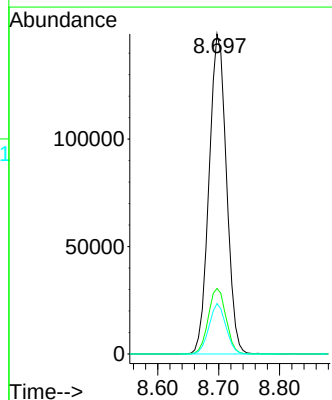
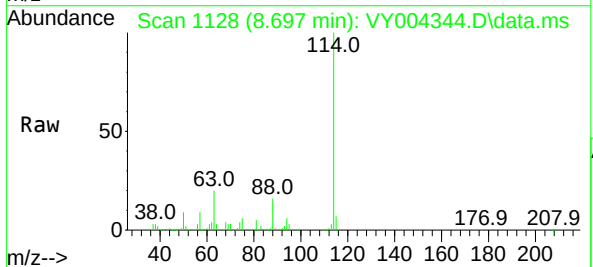
Instrument :
MSVOA_Y
ClientSampled :

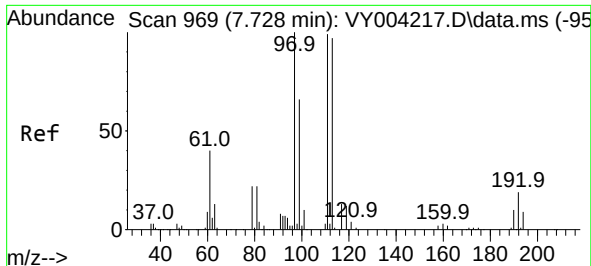
Tgt Ion: 65 Resp: 105829
Ion Ratio Lower Upper
65 100
67 52.0 0.0 103.2



#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY004344.D
Acq: 08 Apr 2021 18:38

Tgt Ion:114 Resp: 295157
Ion Ratio Lower Upper
114 100
63 20.4 0.0 40.4
88 15.7 0.0 30.8

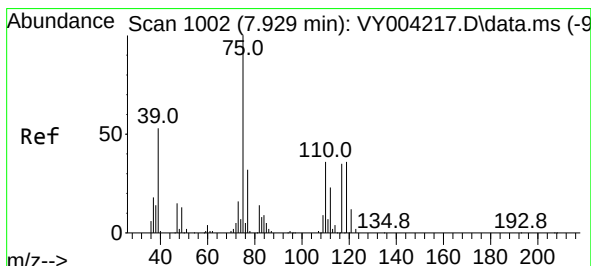
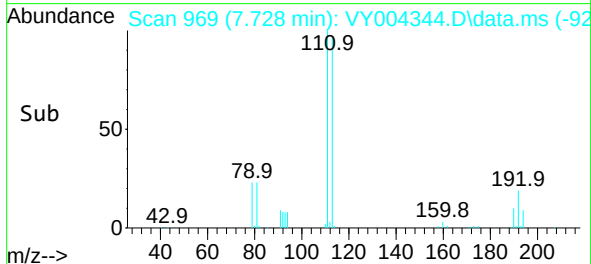
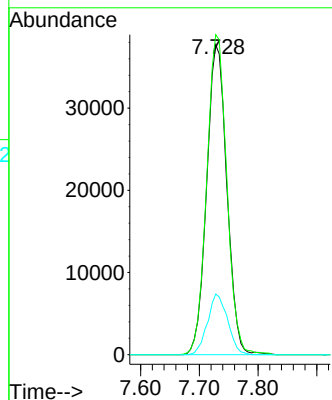
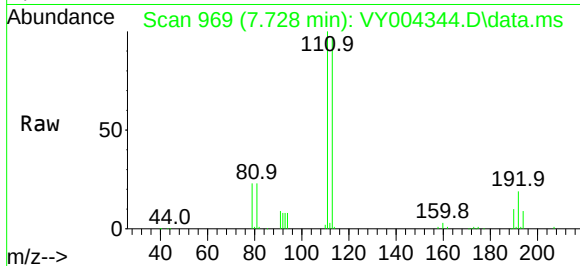




#35
Dibromofluoromethane
Concen: 54.74 ug/l
RT: 7.728 min Scan# 969
Delta R.T. -0.000 min
Lab File: VY004344.D
Acq: 08 Apr 2021 18:38

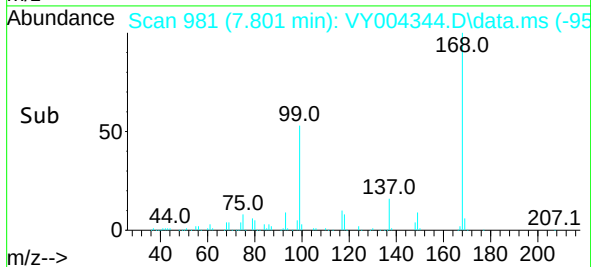
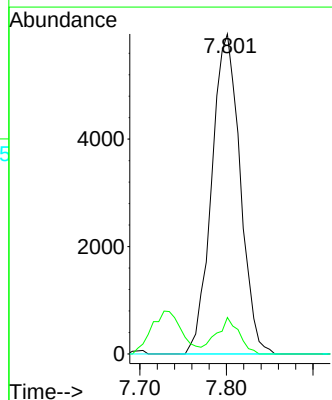
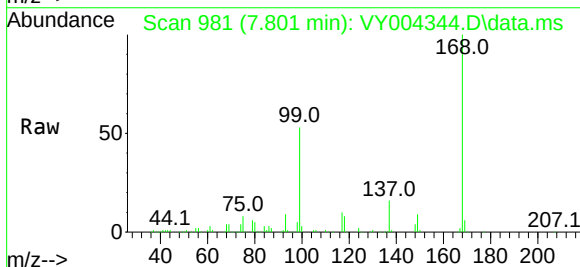
Instrument :
MSVOA_Y
ClientSampleId :

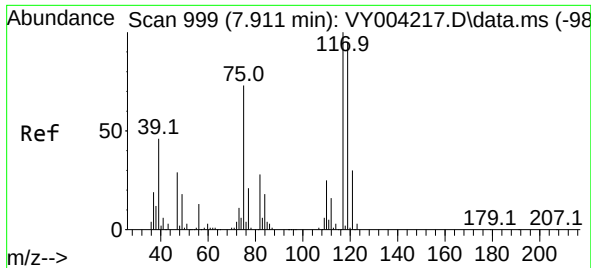
Tgt Ion:	113	Resp:	90023
Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.6	124.0
192	19.4	16.4	24.6



#36
1,1-Dichloropropene
Concen: 5.04 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.128 min
Lab File: VY004344.D
Acq: 08 Apr 2021 18:38

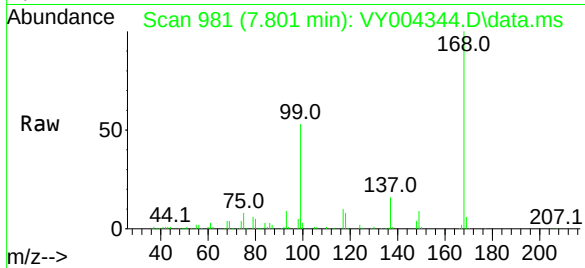
Tgt Ion:	75	Resp:	13582
Ion	Ratio	Lower	Upper
75	100		
110	9.1	18.1	54.3#
77	0.0	25.1	37.7#



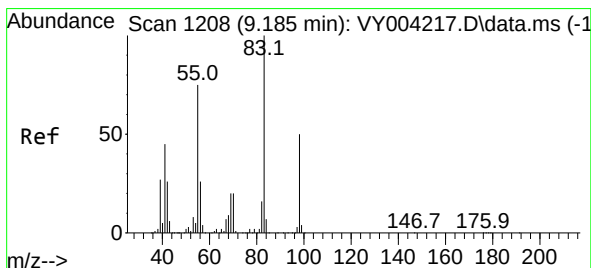
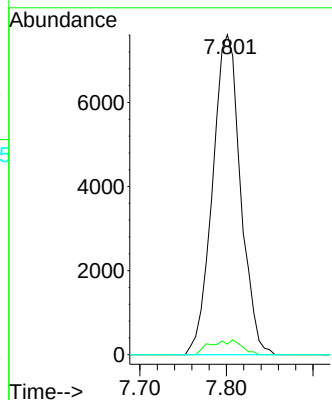
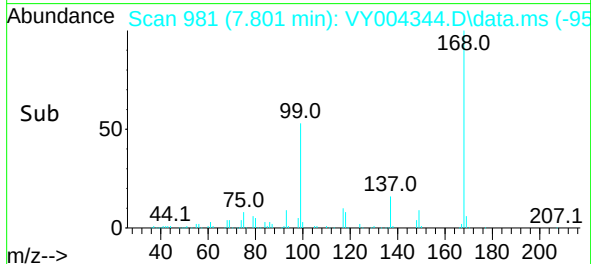


#38
Carbon Tetrachloride
Concen: 7.28 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.110 min
Lab File: VY004344.D
Acq: 08 Apr 2021 18:38

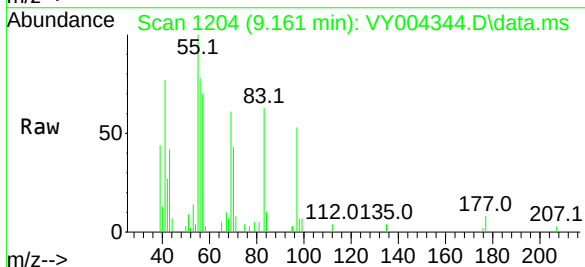
Instrument :
MSVOA_Y
ClientSampleId :



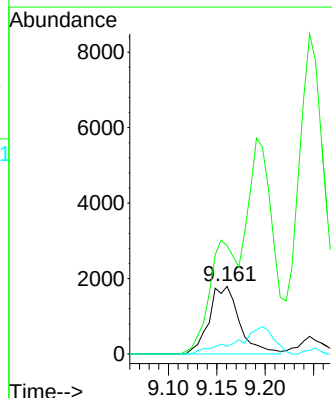
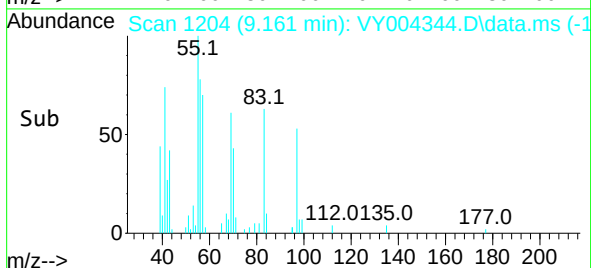
Tgt Ion:117 Resp: 17066
Ion Ratio Lower Upper
117 100
119 3.3 75.6 113.4#
121 0.0 24.3 36.5#

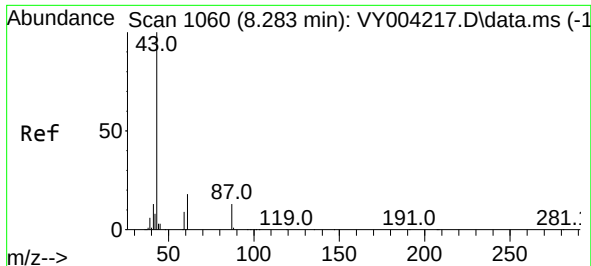


#39
Methylcyclohexane
Concen: 1.17 ug/l
RT: 9.161 min Scan# 1204
Delta R.T. -0.025 min
Lab File: VY004344.D
Acq: 08 Apr 2021 18:38



Tgt Ion: 83 Resp: 3906
Ion Ratio Lower Upper
83 100
55 160.0 60.0 90.0#
98 11.4 40.2 60.2#

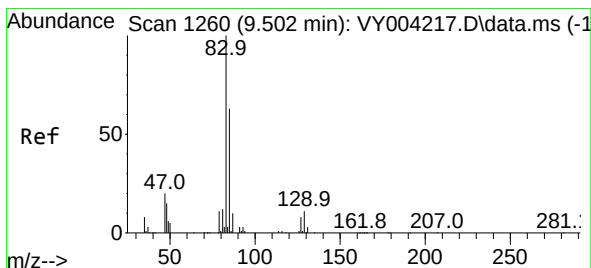
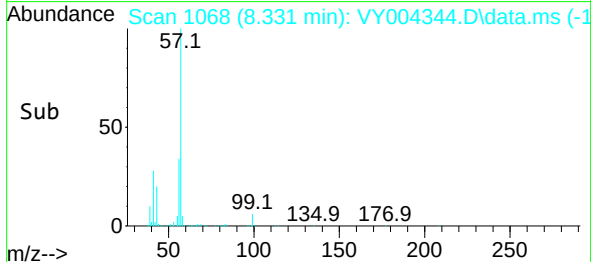
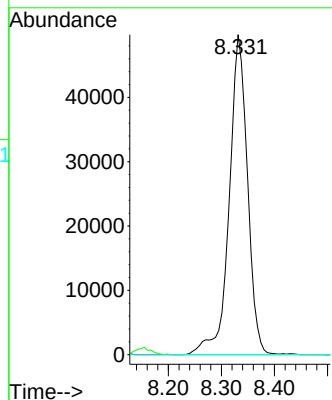
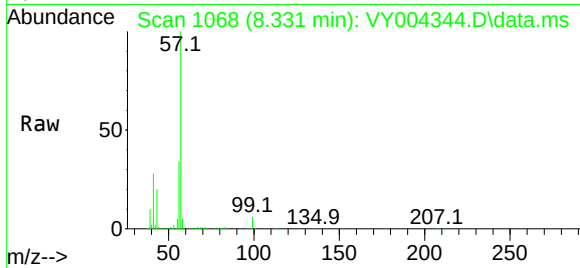




#43
Isopropyl Acetate
Concen: 39.82 ug/l
RT: 8.331 min Scan# 1068
Delta R.T. 0.049 min
Lab File: VY004344.D
Acq: 08 Apr 2021 18:38

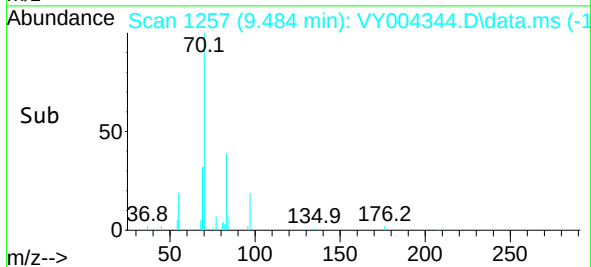
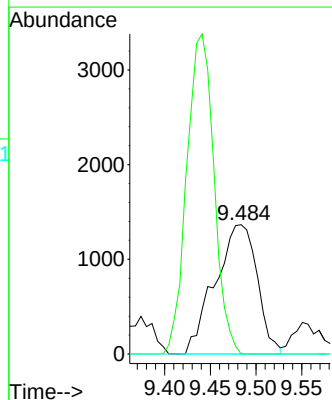
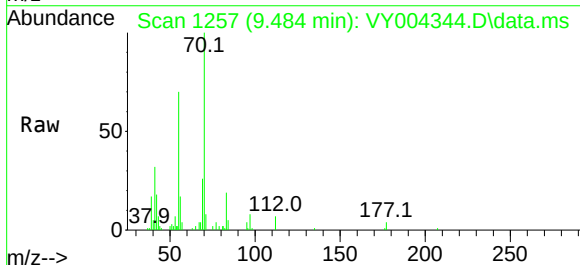
Instrument :
MSVOA_Y
ClientSampleId :

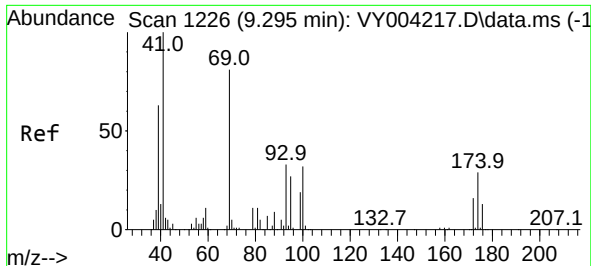
Tgt Ion: 43 Resp: 119156
Ion Ratio Lower Upper
43 100
61 0.0 21.9 32.9#
87 0.0 10.6 15.8#



#47
Bromodichloromethane
Concen: 1.65 ug/l
RT: 9.484 min Scan# 1257
Delta R.T. -0.018 min
Lab File: VY004344.D
Acq: 08 Apr 2021 18:38

Tgt Ion: 83 Resp: 4379
Ion Ratio Lower Upper
83 100
85 0.0 50.3 75.5#
127 0.0 6.7 10.1#

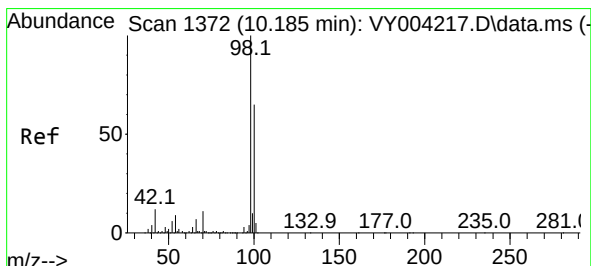
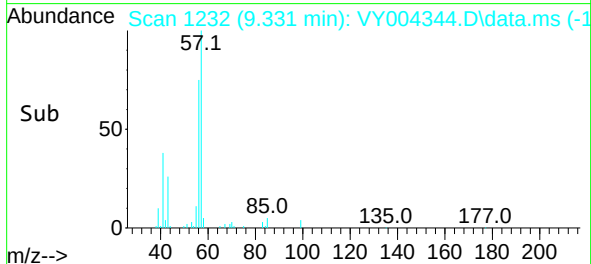
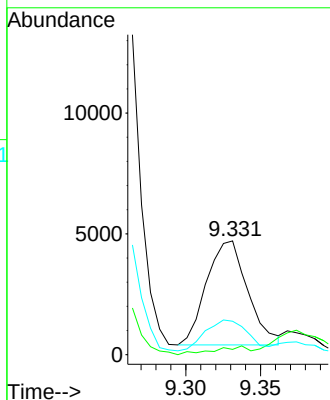
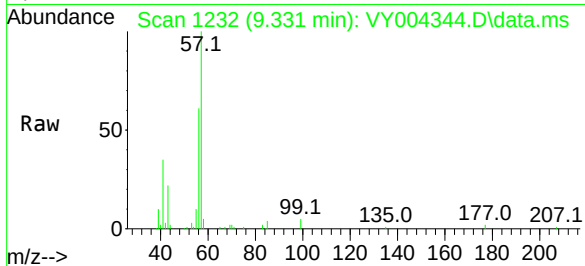




#48
Methyl methacrylate
Concen: 6.06 ug/l
RT: 9.331 min Scan# 1232
Delta R.T. 0.036 min
Lab File: VY004344.D
Acq: 08 Apr 2021 18:38

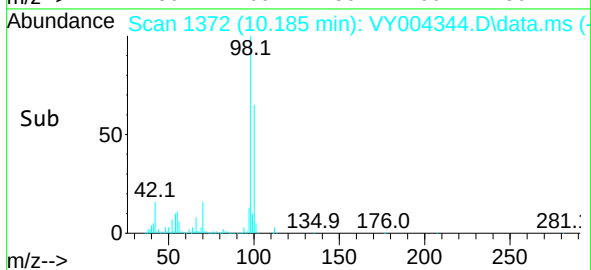
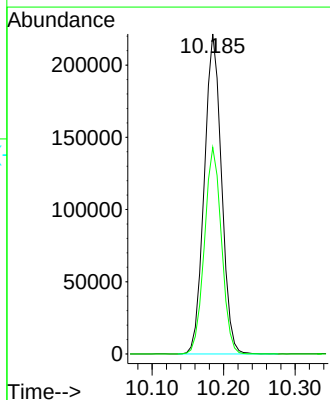
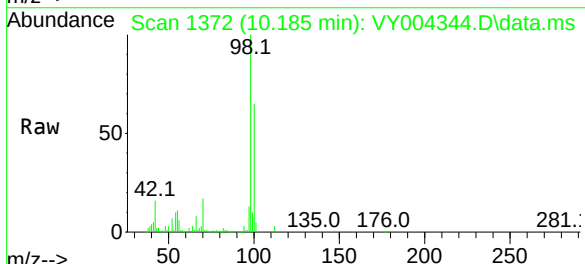
Instrument :
MSVOA_Y
ClientSampled :

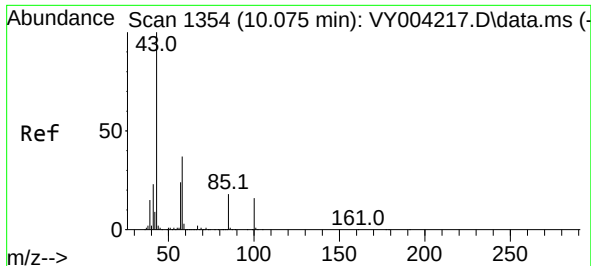
Tgt Ion: 41 Resp: 8234
Ion Ratio Lower Upper
41 100
69 6.8 67.0 100.4#
39 34.6 49.0 73.6#



#50
Toluene-d8
Concen: 59.86 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY004344.D
Acq: 08 Apr 2021 18:38

Tgt Ion: 98 Resp: 370244
Ion Ratio Lower Upper
98 100
100 63.8 52.5 78.7

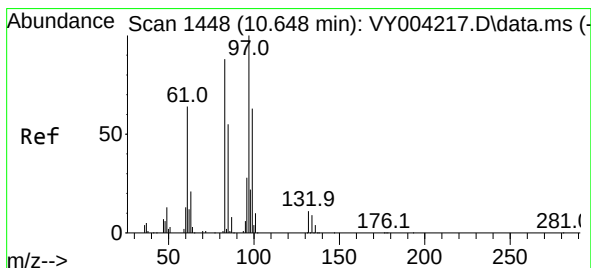
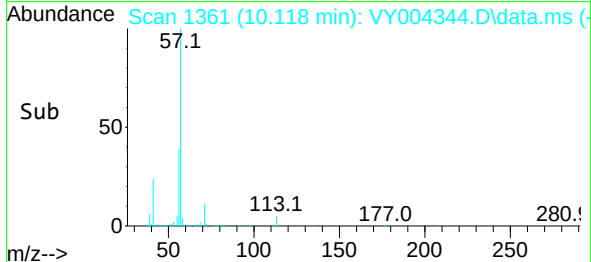
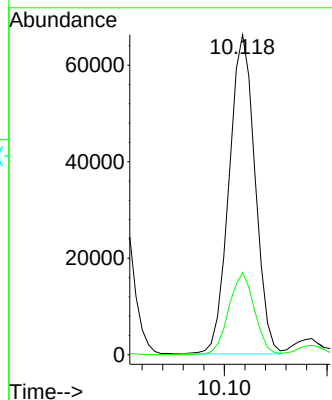
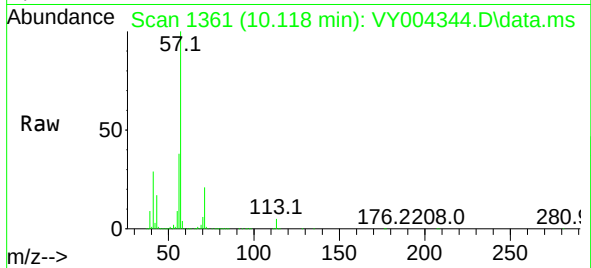




#51
4-Methyl-2-Pentanone
Concen: 76.08 ug/l
RT: 10.118 min Scan# 1361
Delta R.T. 0.043 min
Lab File: VY004344.D
Acq: 08 Apr 2021 18:38

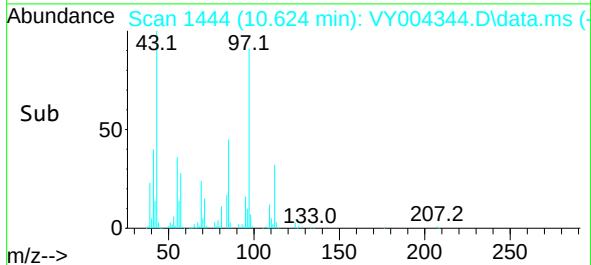
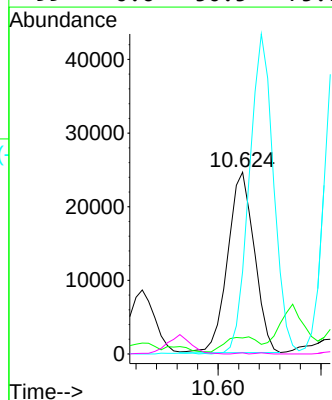
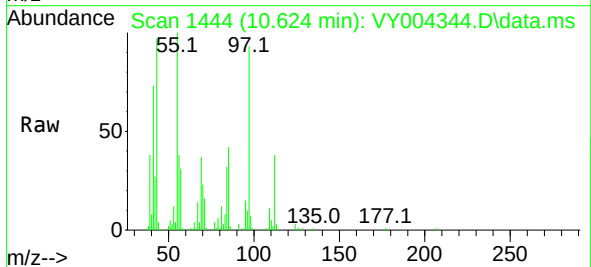
Instrument :
MSVOA_Y
ClientSampled :

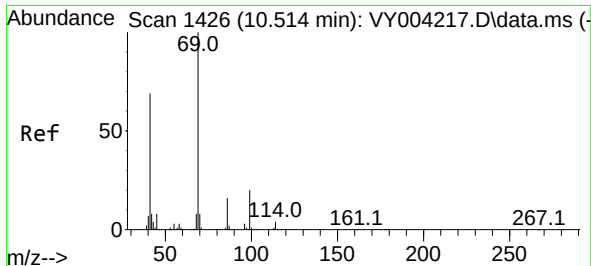
Tgt Ion: 43 Resp: 116001
Ion Ratio Lower Upper
43 100
58 25.4 30.6 45.8#



#55
1,1,2-Trichloroethane
Concen: 29.02 ug/l
RT: 10.624 min Scan# 1444
Delta R.T. -0.025 min
Lab File: VY004344.D
Acq: 08 Apr 2021 18:38

Tgt Ion: 97 Resp: 44122
Ion Ratio Lower Upper
97 100
83 4.8 70.6 105.8#
85 45.2 44.2 66.4
99 0.6 50.5 75.7#

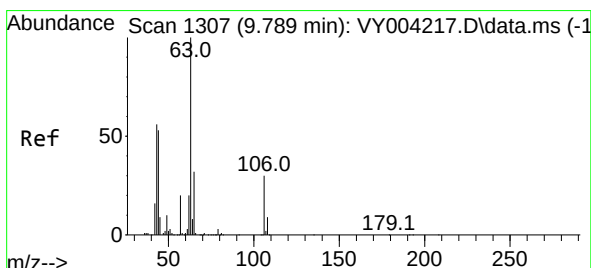
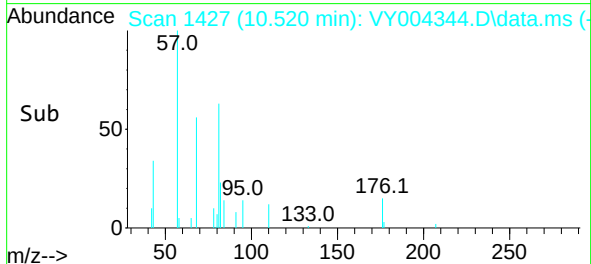
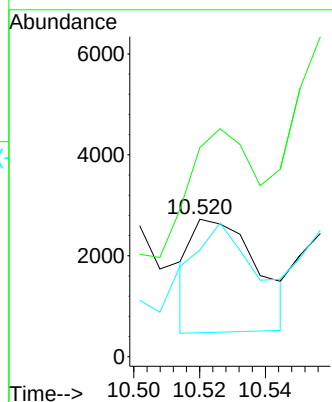
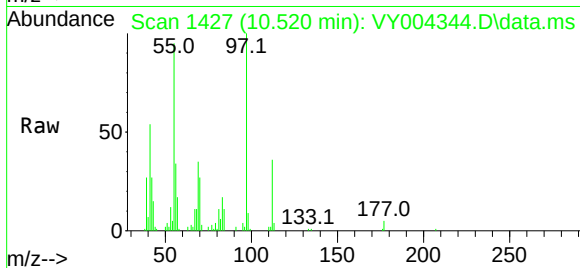




#56
Ethyl methacrylate
Concen: 1.48 ug/l
RT: 10.520 min Scan# 1427
Delta R.T. 0.006 min
Lab File: VY004344.D
Acq: 08 Apr 2021 18:38

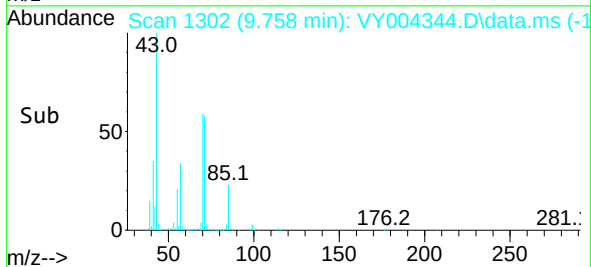
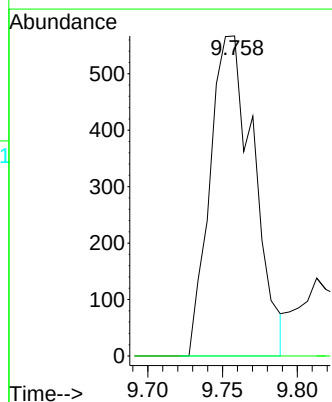
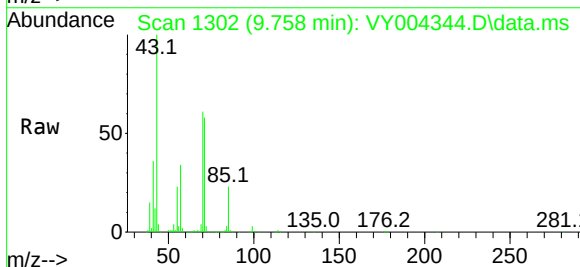
Instrument :
MSVOA_Y
ClientSampled :

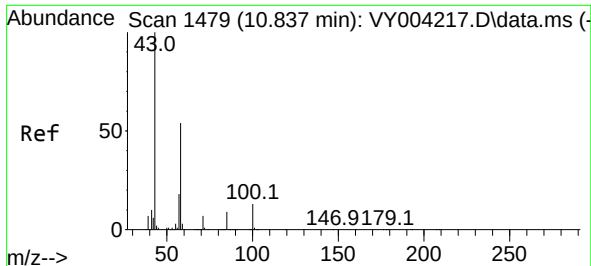
Tgt Ion: 69 Resp: 3080
Ion Ratio Lower Upper
69 100
41 190.6 54.8 82.2#
39 76.0 33.4 50.0#



#58
2-Chloroethyl Vinyl ether
Concen: 1.29 ug/l
RT: 9.758 min Scan# 1302
Delta R.T. -0.031 min
Lab File: VY004344.D
Acq: 08 Apr 2021 18:38

Tgt Ion: 63 Resp: 1154
Ion Ratio Lower Upper
63 100
106 0.0 23.8 35.8#

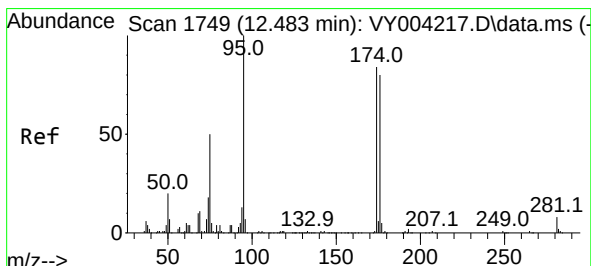
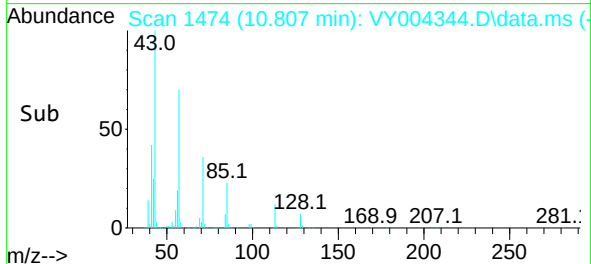
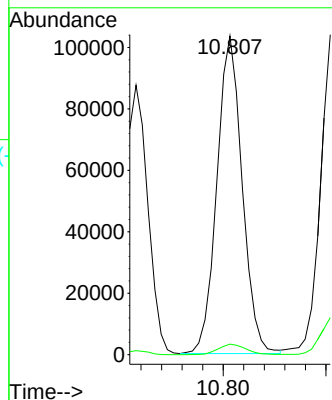
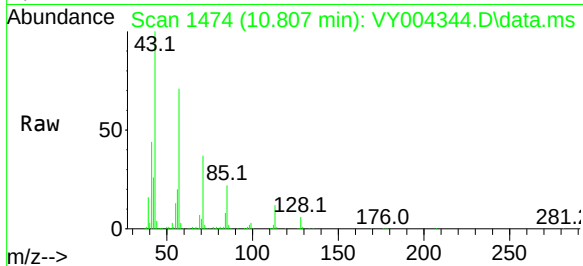




#59
2-Hexanone
Concen: 168.17 ug/l
RT: 10.807 min Scan# 1474
Delta R.T. -0.031 min
Lab File: VY004344.D
Acq: 08 Apr 2021 18:38

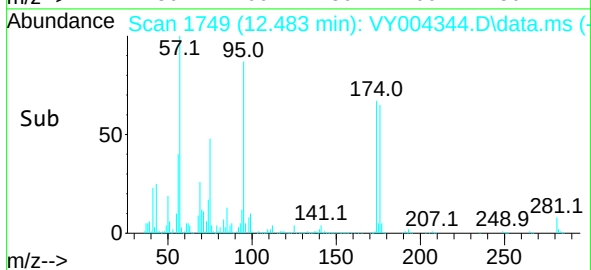
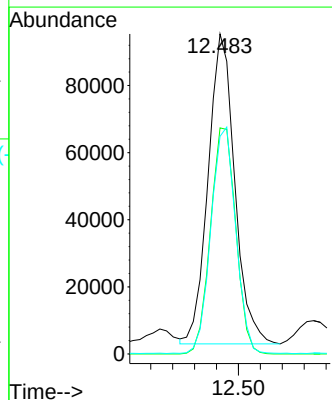
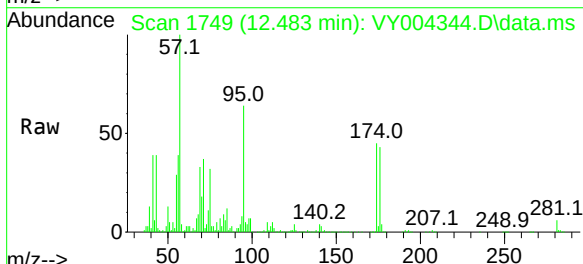
Instrument :
MSVOA_Y
ClientSampleId :

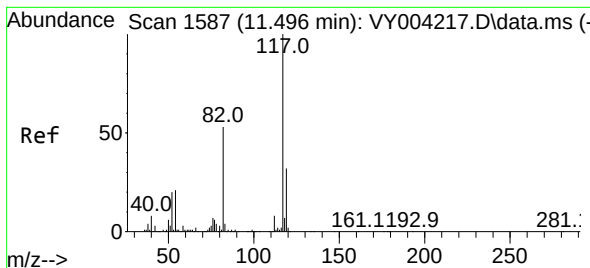
Tgt Ion: 43 Resp: 176284
Ion Ratio Lower Upper
43 100
58 3.7 26.7 80.1#



#62
4-Bromofluorobenzene
Concen: 73.42 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY004344.D
Acq: 08 Apr 2021 18:38

Tgt Ion: 95 Resp: 155654
Ion Ratio Lower Upper
95 100
174 69.4 0.0 171.4
176 68.2 0.0 165.6

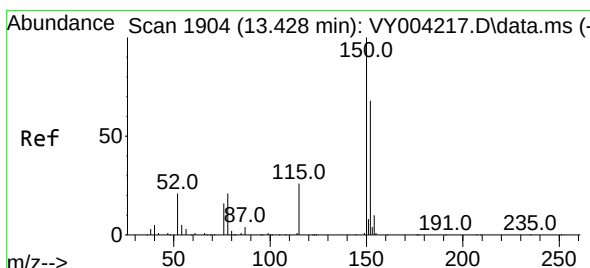
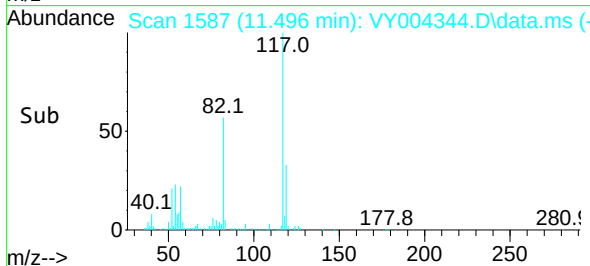
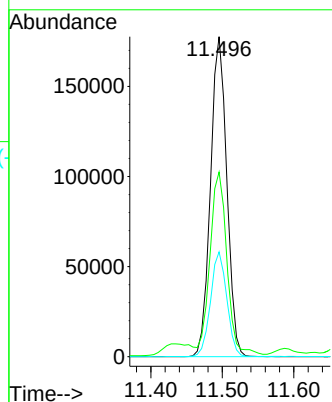
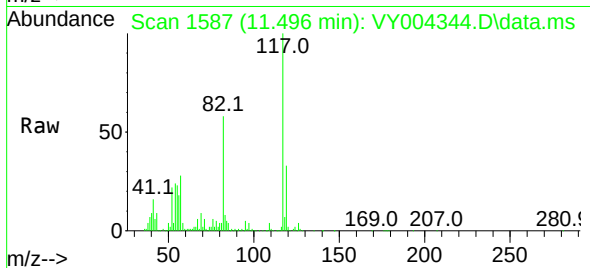




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY004344.D
Acq: 08 Apr 2021 18:38

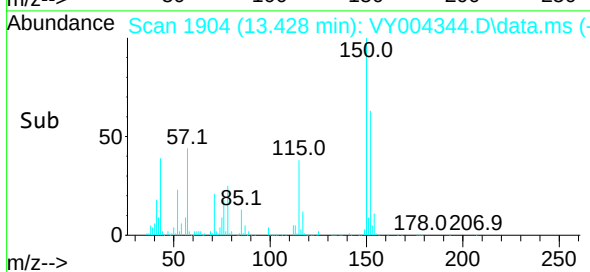
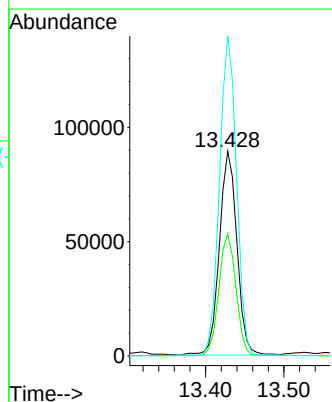
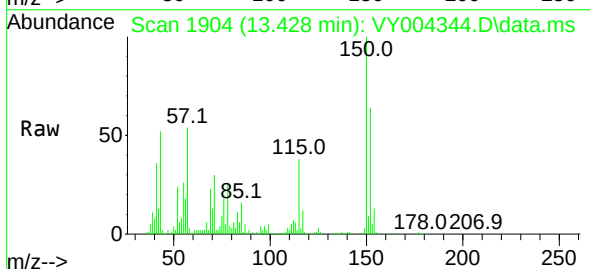
Instrument :
MSVOA_Y
ClientSampleId :

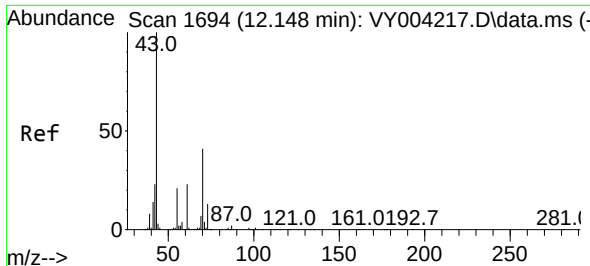
Tgt Ion:	117	Resp:	281007
Ion Ratio	Lower	Upper	
117	100		
82	55.4	42.7	64.1
119	32.7	25.7	38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY004344.D
Acq: 08 Apr 2021 18:38

Tgt Ion:	152	Resp:	139194
Ion Ratio	Lower	Upper	
152	100		
115	58.3	29.0	87.1
150	151.9	0.0	347.4

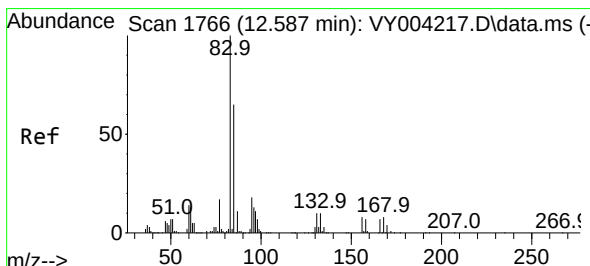
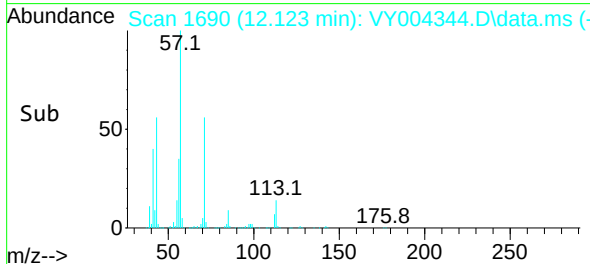
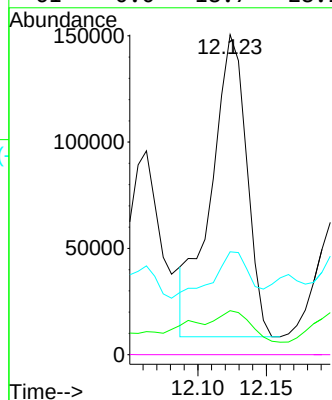
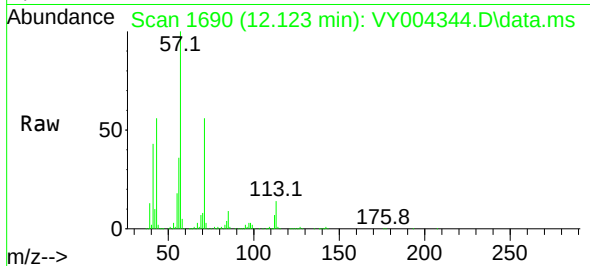




#74
N-amy1 acetate
Concen: 86.69 ug/l
RT: 12.123 min Scan# 1690
Delta R.T. -0.025 min
Lab File: VY004344.D
Acq: 08 Apr 2021 18:38

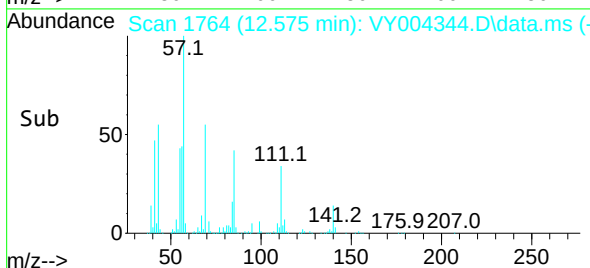
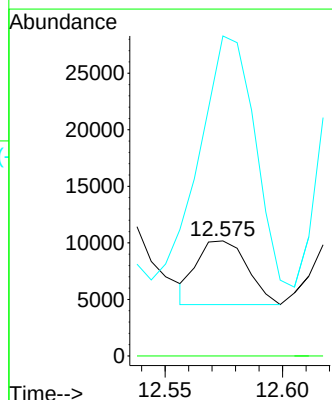
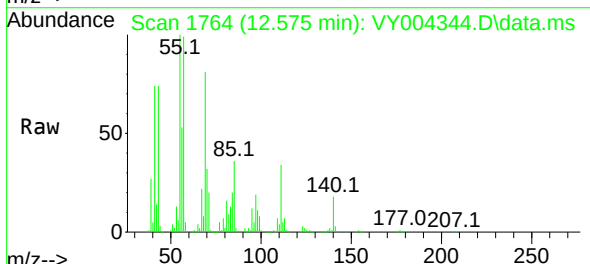
Instrument :
MSVOA_Y
ClientSampleId :

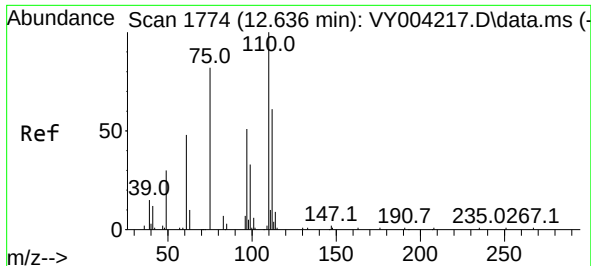
Tgt Ion: 43 Resp: 257639
Ion Ratio Lower Upper
43 100
70 10.1 32.6 49.0#
55 8.6 18.0 27.0#
61 0.0 18.7 28.1#



#75
1,1,2,2-Tetrachloroethane
Concen: 4.47 ug/l
RT: 12.575 min Scan# 1764
Delta R.T. -0.012 min
Lab File: VY004344.D
Acq: 08 Apr 2021 18:38

Tgt Ion: 83 Resp: 8418
Ion Ratio Lower Upper
83 100
131 0.0 5.6 16.8#
85 501.4 31.8 95.4#

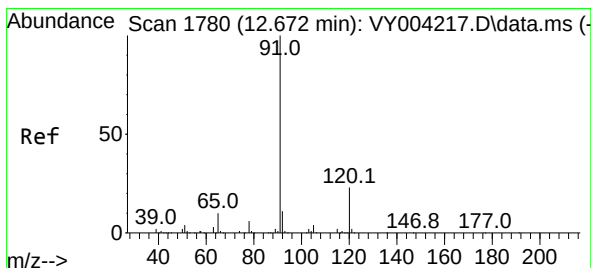
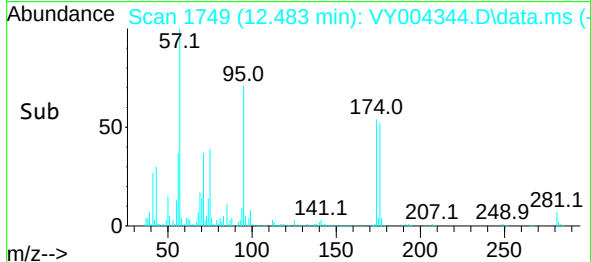
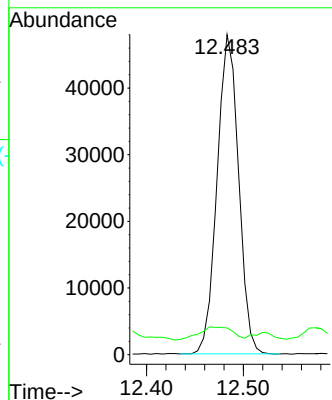
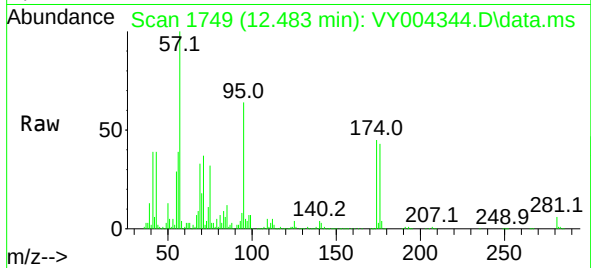




#76
1,2,3-Trichloropropane
Concen: 58.43 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY004344.D
Acq: 08 Apr 2021 18:38

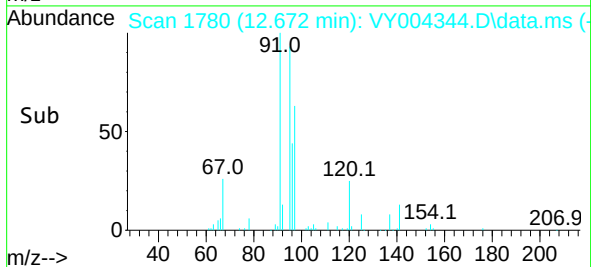
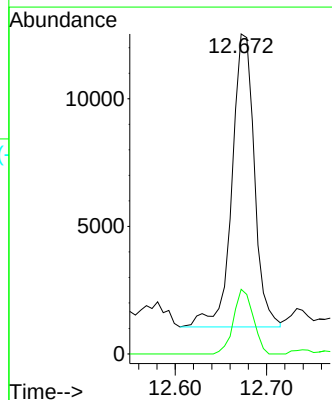
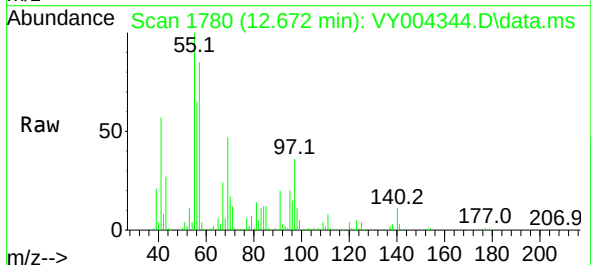
Instrument :
MSVOA_Y
ClientSampleId :

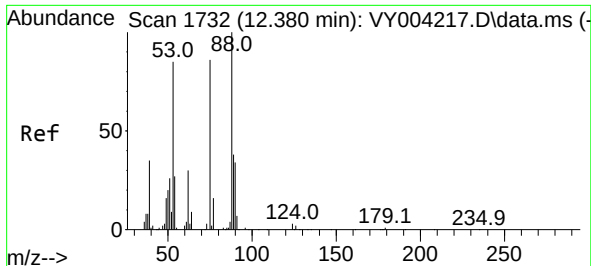
Tgt Ion: 75 Resp: 73853
Ion Ratio Lower Upper
75 100
77 6.4 0.0 0.0#



#78
n-propylbenzene
Concen: 1.67 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. -0.000 min
Lab File: VY004344.D
Acq: 08 Apr 2021 18:38

Tgt Ion: 91 Resp: 19615
Ion Ratio Lower Upper
91 100
120 19.2 11.9 35.5

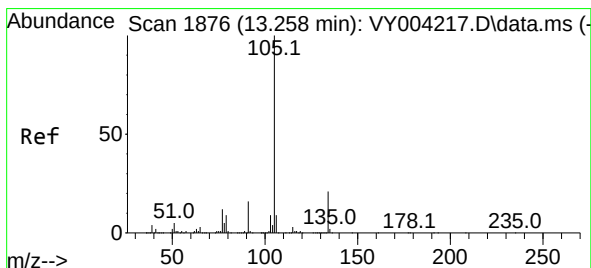
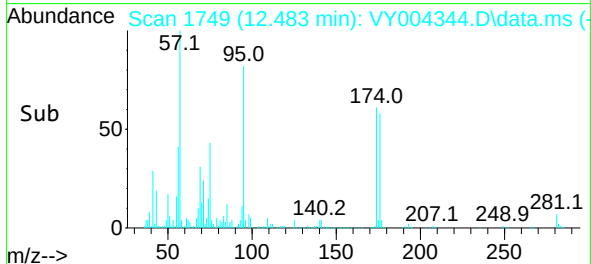
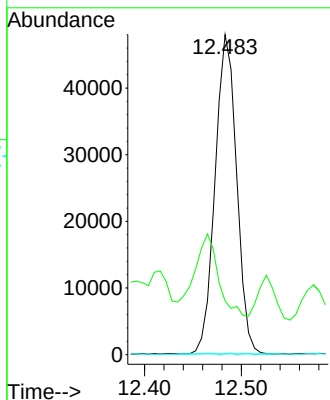
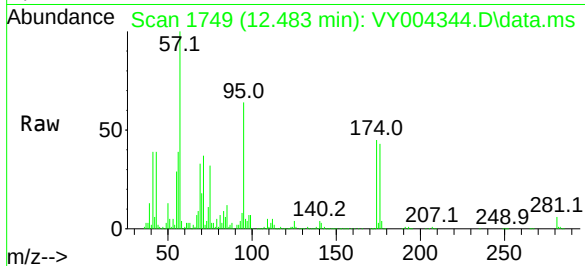




#81
trans-1,4-Dichloro-2-butene
Concen: 107.69 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY004344.D
Acq: 08 Apr 2021 18:38

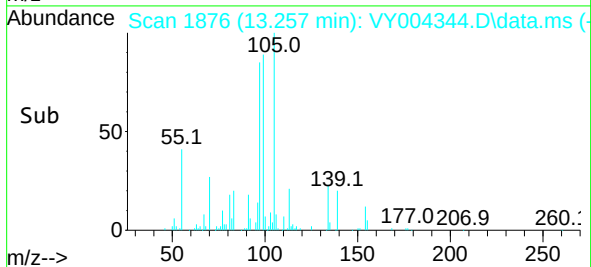
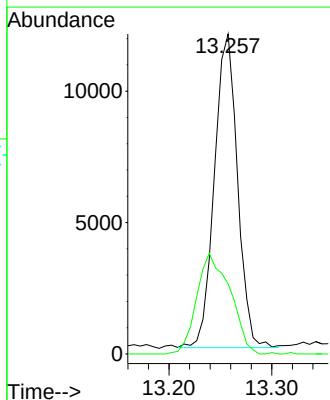
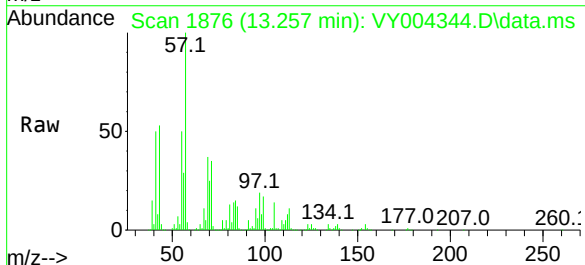
Instrument :
MSVOA_Y
ClientSampleId :

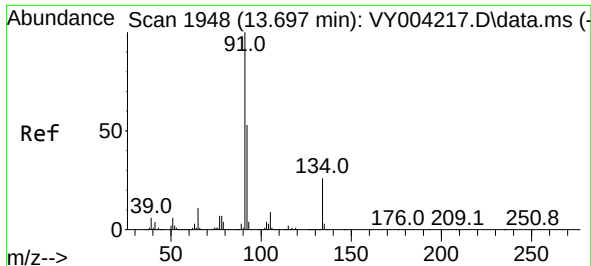
Tgt Ion: 75 Resp: 73853
Ion Ratio Lower Upper
75 100
53 0.0 79.3 118.9#
89 0.2 39.4 59.2#



#85
sec-Butylbenzene
Concen: 1.88 ug/l
RT: 13.257 min Scan# 1876
Delta R.T. -0.000 min
Lab File: VY004344.D
Acq: 08 Apr 2021 18:38

Tgt Ion: 105 Resp: 18594
Ion Ratio Lower Upper
105 100
134 46.5 10.4 31.4#

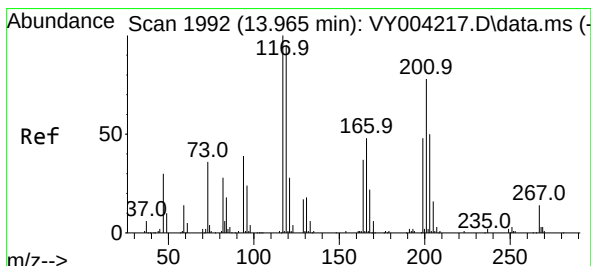
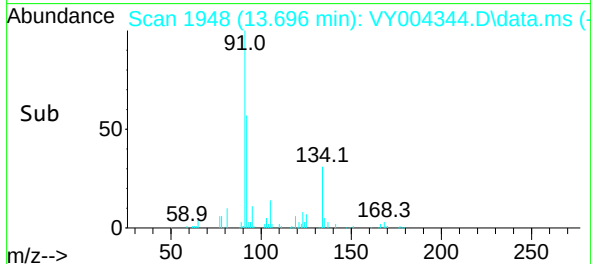
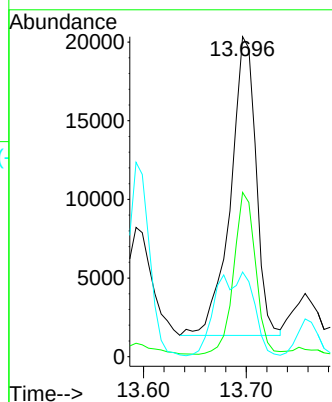
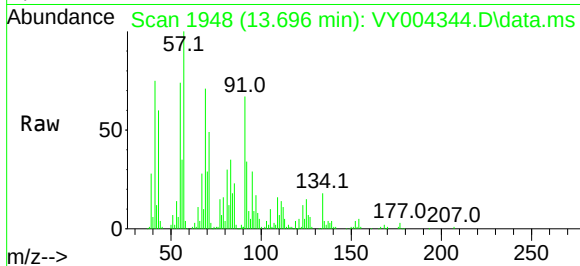




#89
n-Butylbenzene
Concen: 3.89 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. -0.000 min
Lab File: VY004344.D
Acq: 08 Apr 2021 18:38

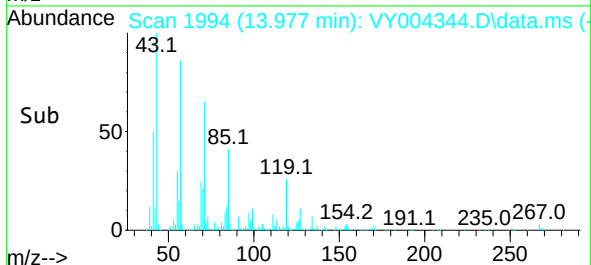
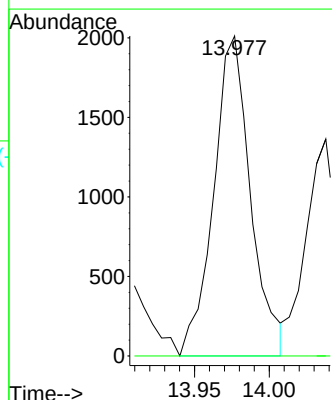
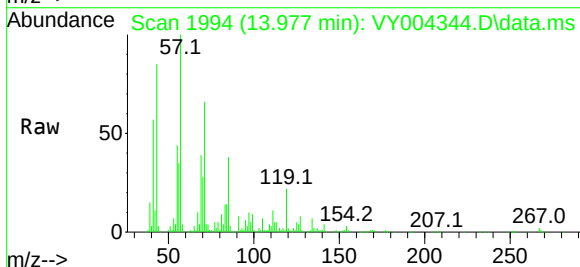
Instrument :
MSVOA_Y
ClientSampleId :

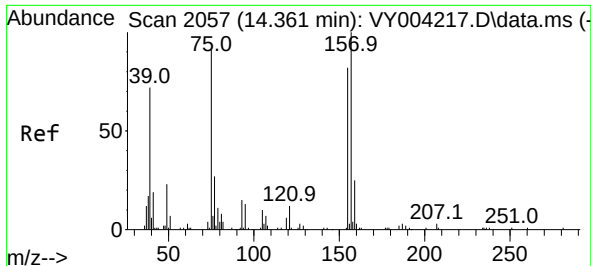
Tgt Ion: 91 Resp: 32817
Ion Ratio Lower Upper
91 100
92 46.3 26.5 79.4
134 19.8 13.6 40.7



#90
Hexachloroethane
Concen: 10.91 ug/l
RT: 13.977 min Scan# 1994
Delta R.T. 0.012 min
Lab File: VY004344.D
Acq: 08 Apr 2021 18:38

Tgt Ion: 117 Resp: 3457
Ion Ratio Lower Upper
117 100
201 0.0 37.6 112.9#

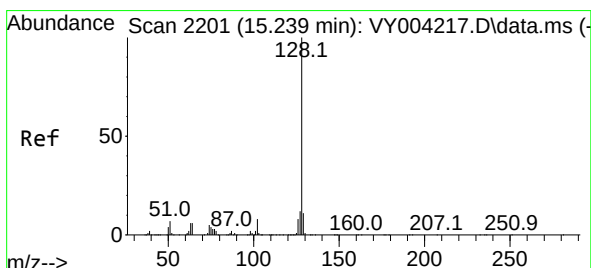
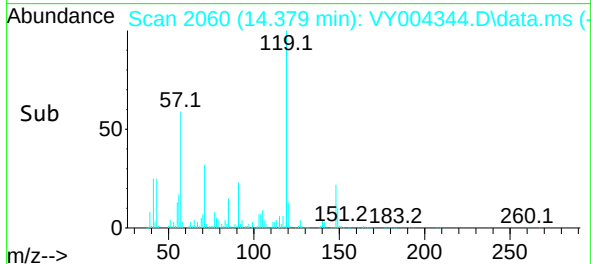
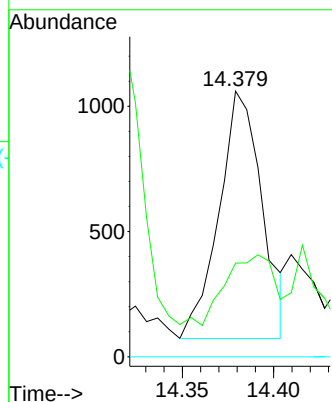
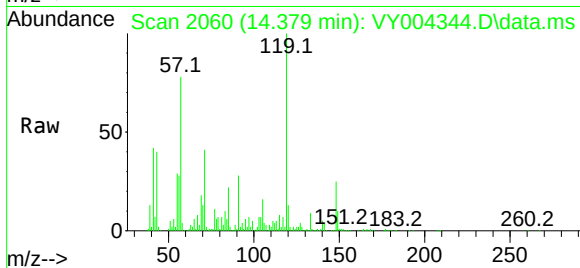




#92
1,2-Dibromo-3-Chloropropane
Concen: 4.62 ug/l
RT: 14.379 min Scan# 2060
Delta R.T. 0.018 min
Lab File: VY004344.D
Acq: 08 Apr 2021 18:38

Instrument :
MSVOA_Y
ClientSampled :

Tgt Ion: 75 Resp: 1621
Ion Ratio Lower Upper
75 100
155 31.6 46.3 138.8#
157 0.0 58.3 174.9#



#95
Naphthalene
Concen: 2.76 ug/l
RT: 15.214 min Scan# 2197
Delta R.T. -0.025 min
Lab File: VY004344.D
Acq: 08 Apr 2021 18:38

Tgt Ion: 128 Resp: 16618
Ion Ratio Lower Upper
128 100
127 65.9 10.1 15.1#
129 73.3 8.9 13.3#

