

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031121\
 Data File : VY004081.D
 Acq On : 11 Mar 2021 16:51
 Operator : SY/MD
 Sample : M1649-05
 Misc : 2.93g/5mL/MSVOA_Y/SOIL
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Mar 12 01:19:45 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030821S.M
 Quant Title : SW846 8260
 QLast Update : Mon Mar 08 12:28:55 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

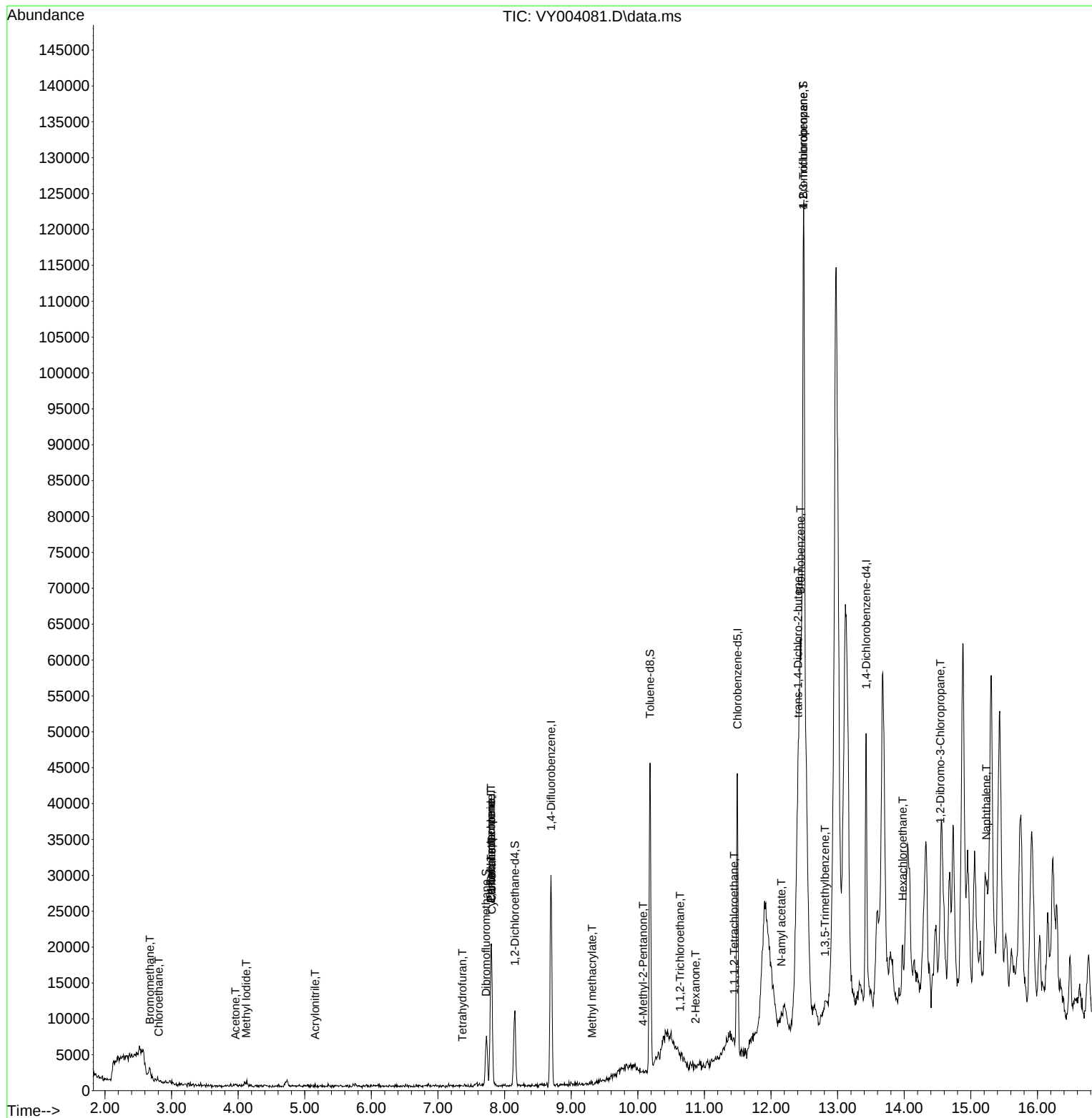
Internal Standards						
1) Pentafluorobenzene	7.795	168	15650	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	24933	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	21204	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	9166	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	8139	52.70	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery =	105.40%		
35) Dibromofluoromethane	7.722	113	4751	33.79	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery =	67.58%		
50) Toluene-d8	10.185	98	28152	51.07	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery =	102.14%		
62) 4-Bromofluorobenzene	12.483	95	9200	45.19	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery =	90.38%		
Target Compounds						Qvalue
5) Bromomethane	2.674	94	696	5.76	ug/l	99
6) Chloroethane	2.808	64	136	1.18	ug/l #	43
10) Methyl Iodide	4.119	142	1101	7.66	ug/l #	80
15) Acrylonitrile	5.155	53	48	1.20	ug/l #	17
16) Acetone	3.960	43	821	22.02	ug/l #	46
20) Methylene Chloride	4.716	84	415	Below Cal	#	70
29) Tetrahydrofuran	7.368	42	56	1.60	ug/l #	35
31) Cyclohexane	7.807	56	351	1.30	ug/l #	1
36) 1,1-Dichloropropene	7.795	75	1358	6.20	ug/l #	44
38) Carbon Tetrachloride	7.795	117	1555	6.69	ug/l #	13
48) Methyl methacrylate	9.313	41	191	1.70	ug/l #	15
51) 4-Methyl-2-Pentanone	10.081	43	131	1.09	ug/l #	38
55) 1,1,2-Trichloroethane	10.636	97	602	4.86	ug/l #	20
58) 2-Chloroethyl Vinyl ether	9.892	63	19	Below Cal	#	47
59) 2-Hexanone	10.868	43	111	1.32	ug/l #	25
66) 1,1,1,2-Tetrachloroethane	11.447	131	247	1.62	ug/l	71
74) N-amyl acetate	12.154	43	258	1.41	ug/l #	68
76) 1,2,3-Trichloropropane	12.483	75	7100	80.78	ug/l #	100
77) Bromobenzene	12.441	156	50074	340.24	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.812	105	641	1.19	ug/l	80
81) trans-1,4-Dichloro-2-b...	12.404	75	955	21.45	ug/l #	30
90) Hexachloroethane	13.977	117	433	4.05	ug/l #	4
92) 1,2-Dibromo-3-Chloropr...	14.544	75	311	14.87	ug/l	91
95) Naphthalene	15.233	128	1991	5.88	ug/l #	1

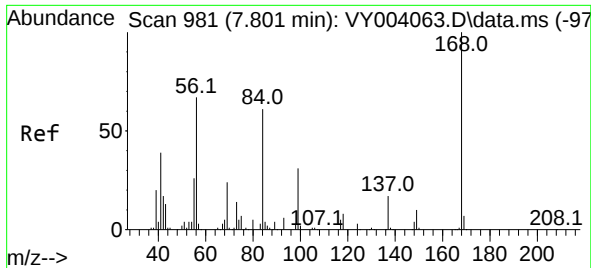
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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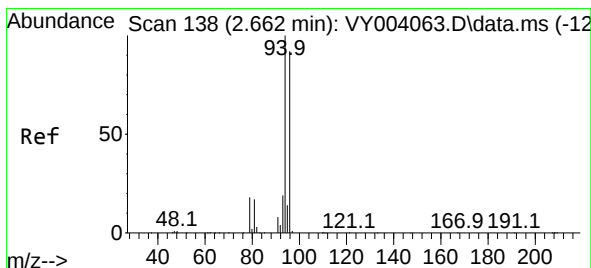
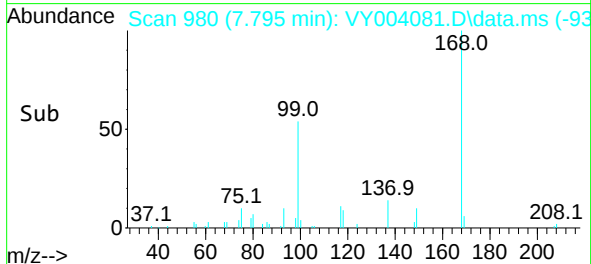
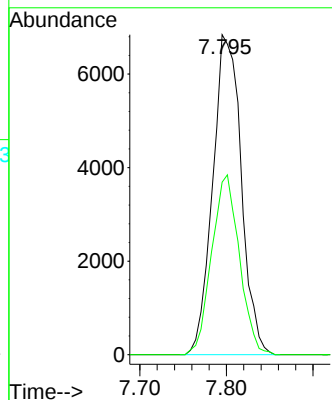
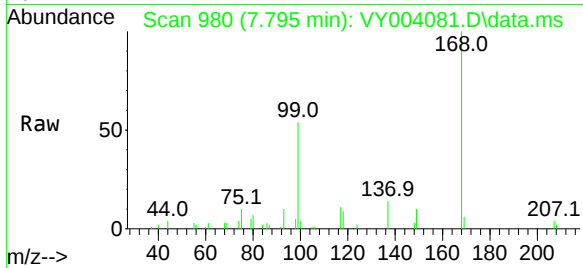




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.006 min
Lab File: VY004081.D
Acq: 11 Mar 2021 16:51

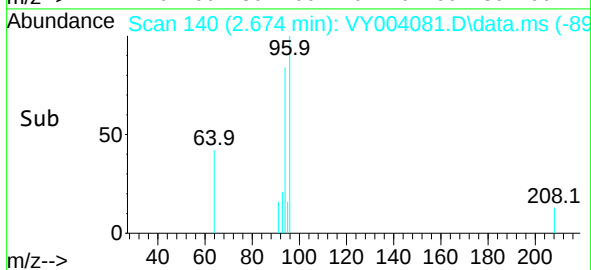
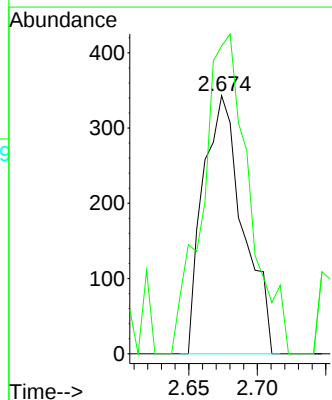
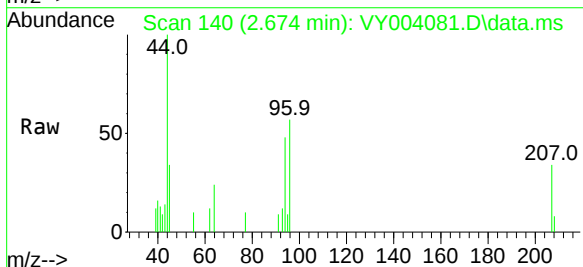
Instrument :
MSVOA_Y
ClientSampled :

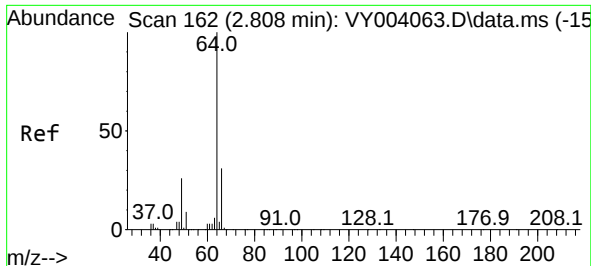
Tgt Ion:168 Resp: 15650
Ion Ratio Lower Upper
168 100
99 53.9 41.2 61.8



#5
Bromomethane
Concen: 5.76 ug/l
RT: 2.674 min Scan# 140
Delta R.T. 0.012 min
Lab File: VY004081.D
Acq: 11 Mar 2021 16:51

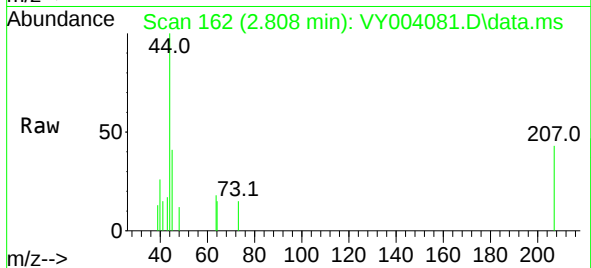
Tgt Ion: 94 Resp: 696
Ion Ratio Lower Upper
94 100
96 97.4 77.4 116.2



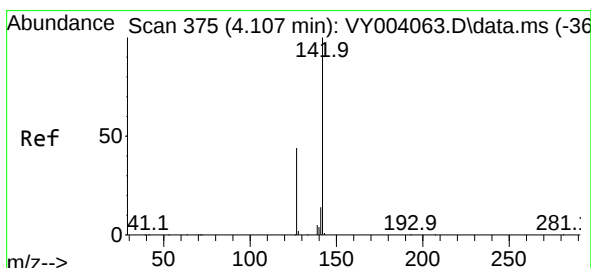
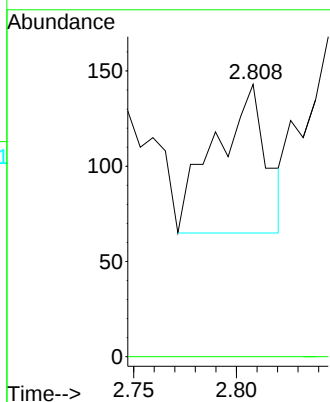
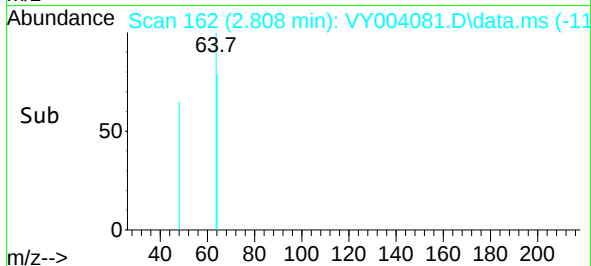


#6
Chloroethane
Concen: 1.18 ug/l
RT: 2.808 min Scan# 162
Delta R.T. 0.000 min
Lab File: VY004081.D
Acq: 11 Mar 2021 16:51

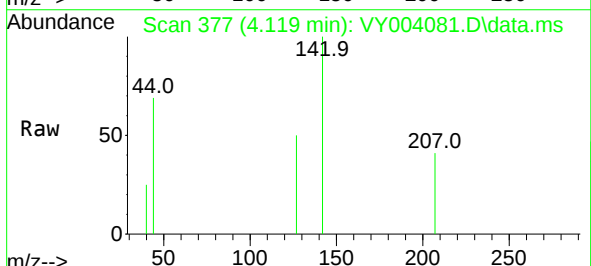
Instrument :
MSVOA_Y
ClientSampled :



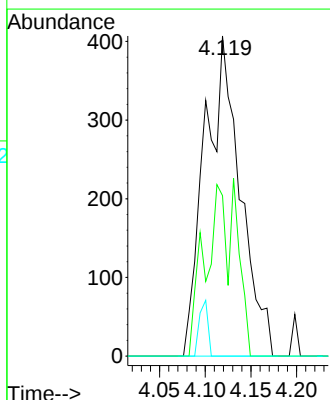
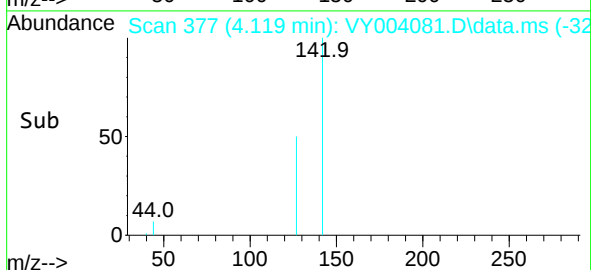
Tgt Ion: 64 Resp: 136
Ion Ratio Lower Upper
64 100
66 0.0 25.0 37.6#

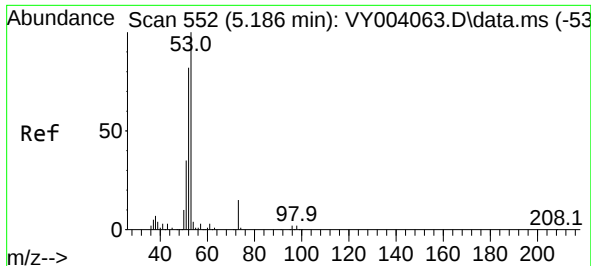


#10
Methyl Iodide
Concen: 7.66 ug/l
RT: 4.119 min Scan# 377
Delta R.T. 0.012 min
Lab File: VY004081.D
Acq: 11 Mar 2021 16:51



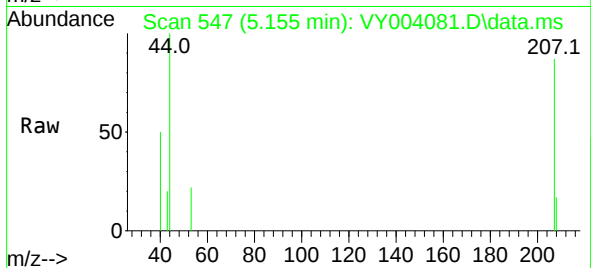
Tgt Ion: 142 Resp: 1101
Ion Ratio Lower Upper
142 100
127 32.1 35.4 53.0#
141 4.2 11.5 17.3#



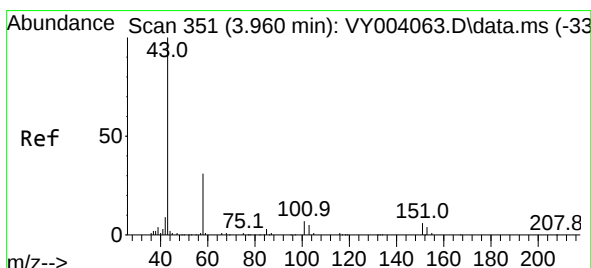
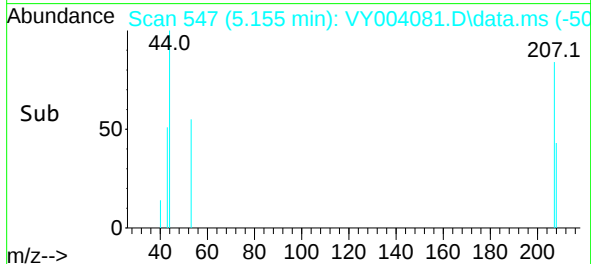
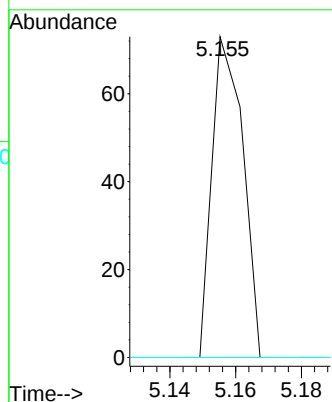


#15
Acrylonitrile
Concen: 1.20 ug/l
RT: 5.155 min Scan# 547
Delta R.T. -0.031 min
Lab File: VY004081.D
Acq: 11 Mar 2021 16:51

Instrument :
MSVOA_Y
ClientSampled :

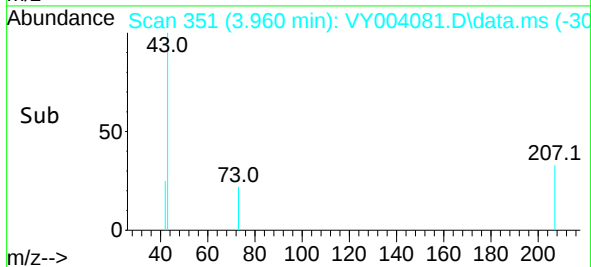
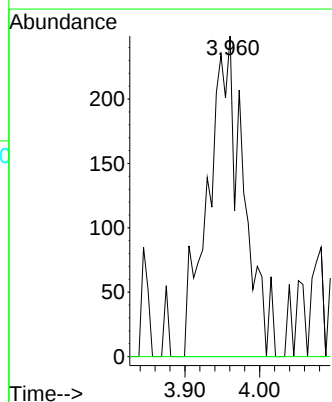
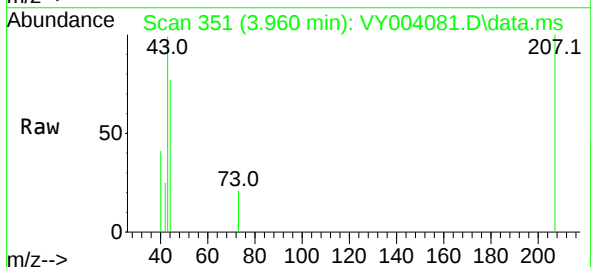


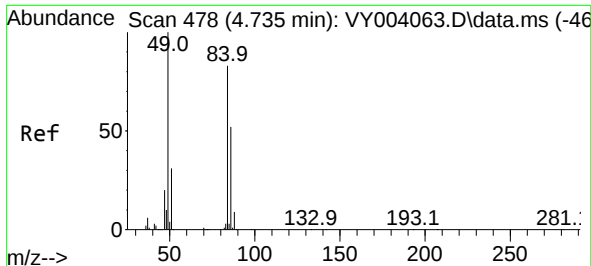
Tgt Ion: 53 Resp: 48
Ion Ratio Lower Upper
53 100
52 0.0 66.2 99.4#
51 0.0 29.5 44.3#



#16
Acetone
Concen: 22.02 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.000 min
Lab File: VY004081.D
Acq: 11 Mar 2021 16:51

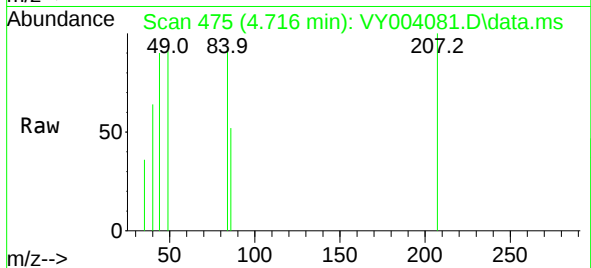
Tgt Ion: 43 Resp: 821
Ion Ratio Lower Upper
43 100
58 0.0 22.6 34.0#





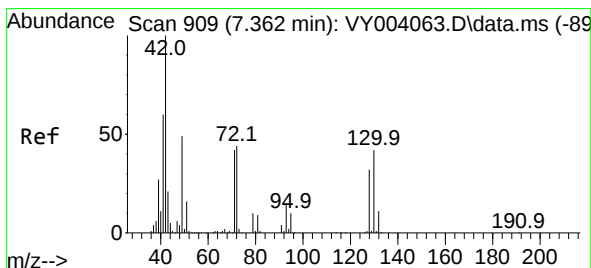
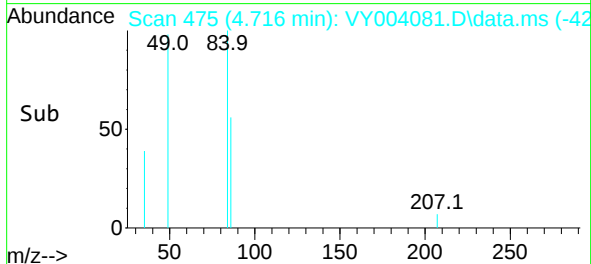
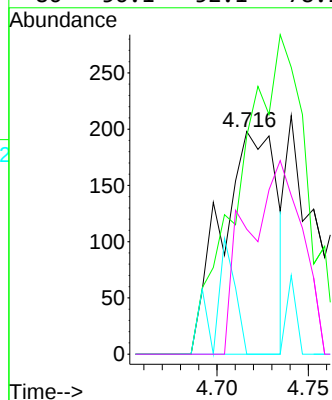
#20
Methylene Chloride
Concen: Below Cal
RT: 4.716 min Scan# 475
Delta R.T. -0.019 min
Lab File: VY004081.D
Acq: 11 Mar 2021 16:51

Instrument :
MSVOA_Y
ClientSampled :



Tgt Ion: 84 Resp: 415

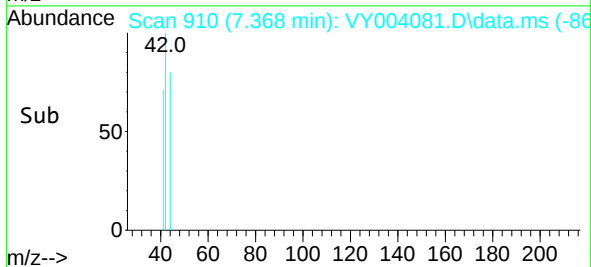
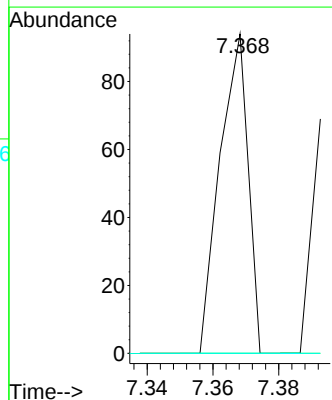
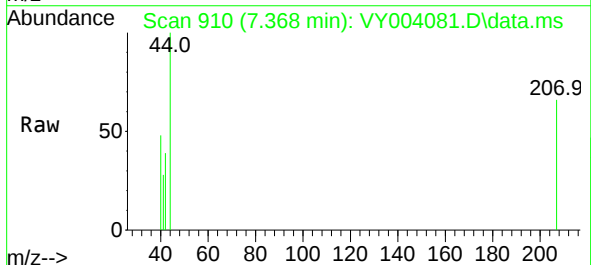
Ion	Ratio	Lower	Upper
84	100		
49	98.0	105.8	158.6#
51	0.0	32.6	48.8#
86	56.1	52.1	78.1

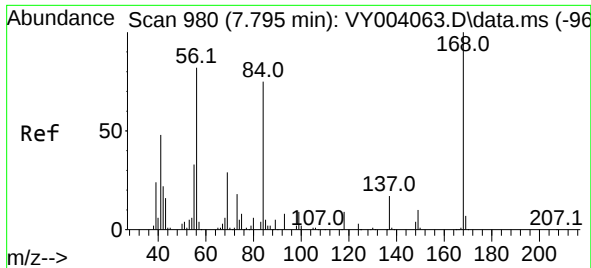


#29
Tetrahydrofuran
Concen: 1.60 ug/l
RT: 7.368 min Scan# 910
Delta R.T. 0.006 min
Lab File: VY004081.D
Acq: 11 Mar 2021 16:51

Tgt Ion: 42 Resp: 56

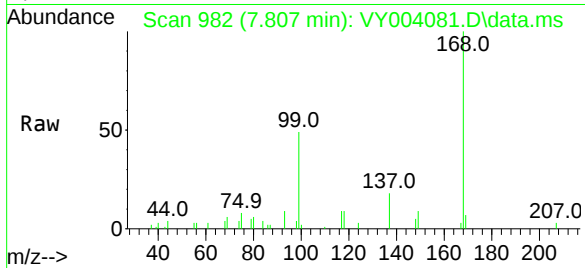
Ion	Ratio	Lower	Upper
42	100		
72	0.0	32.6	48.8#
71	0.0	31.0	46.6#



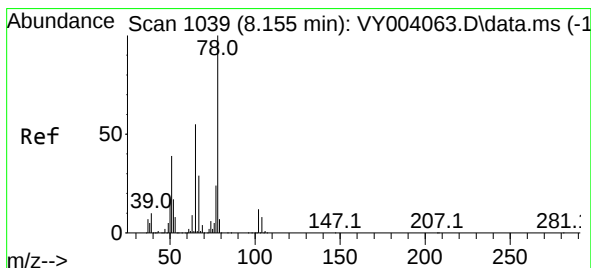
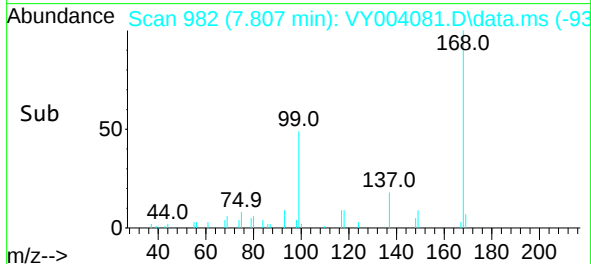
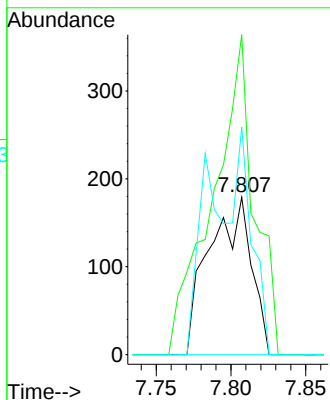


#31
Cyclohexane
Concen: 1.30 ug/l
RT: 7.807 min Scan# 982
Delta R.T. 0.012 min
Lab File: VY004081.D
Acq: 11 Mar 2021 16:51

Instrument :
MSVOA_Y
ClientSampled :

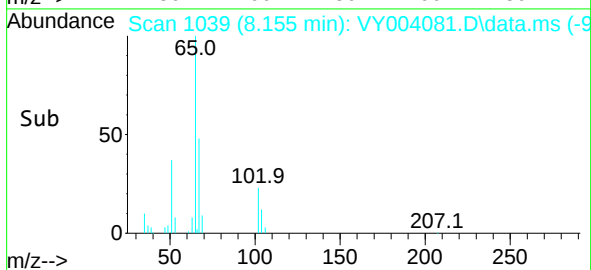
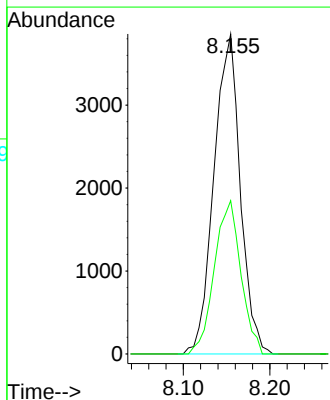
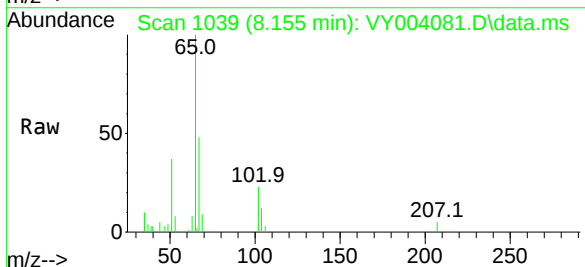


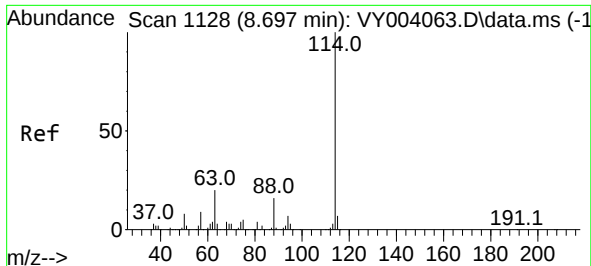
Tgt Ion: 56 Resp: 351
Ion Ratio Lower Upper
56 100
69 203.4 25.3 37.9#
84 144.7 67.3 100.9#



#33
1,2-Dichloroethane-d4
Concen: 52.70 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. -0.000 min
Lab File: VY004081.D
Acq: 11 Mar 2021 16:51

Tgt Ion: 65 Resp: 8139
Ion Ratio Lower Upper
65 100
67 48.2 0.0 101.4

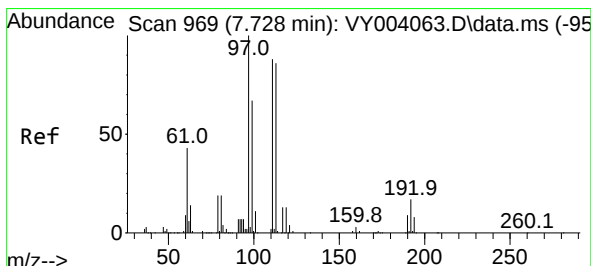
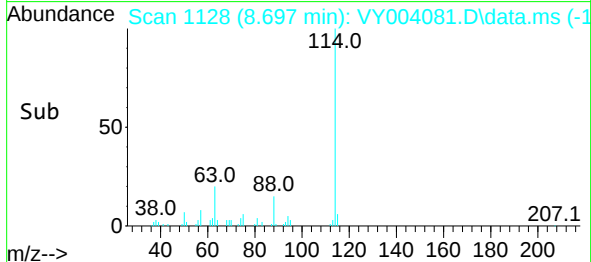
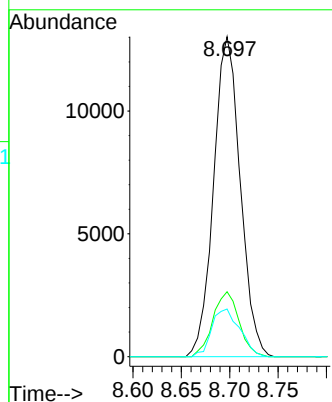
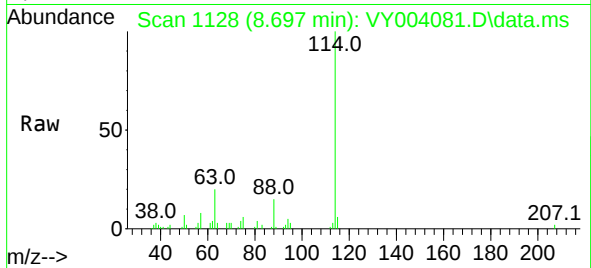




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY004081.D
Acq: 11 Mar 2021 16:51

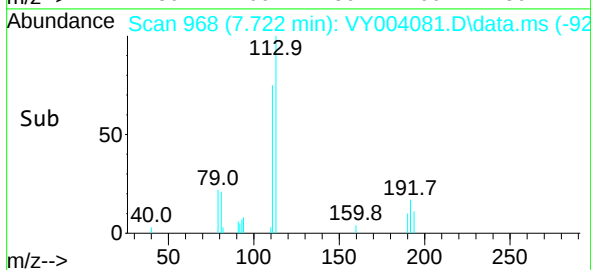
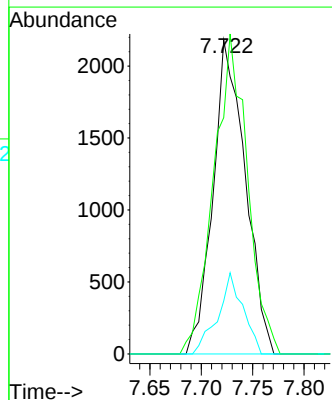
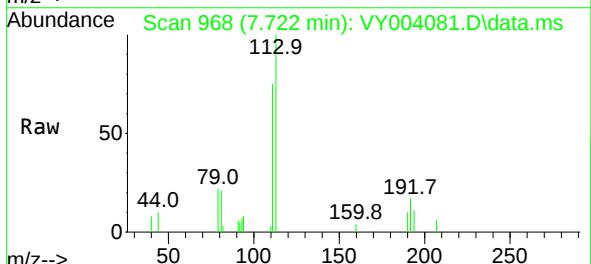
Instrument :
MSVOA_Y
ClientSampled :

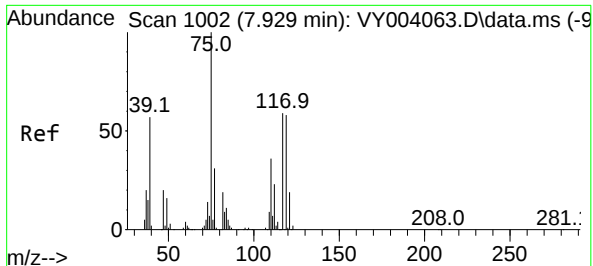
Tgt Ion:	114	Resp:	24933
Ion Ratio	Lower	Upper	
114	100		
63	20.3	0.0	41.6
88	14.9	0.0	31.4



#35
Dibromofluoromethane
Concen: 33.79 ug/l
RT: 7.722 min Scan# 968
Delta R.T. -0.006 min
Lab File: VY004081.D
Acq: 11 Mar 2021 16:51

Tgt Ion:	113	Resp:	4751
Ion Ratio	Lower	Upper	
113	100		
111	106.2	83.2	124.8
192	20.2	18.5	27.7





#36

1,1-Dichloropropene

Concen: 6.20 ug/l

RT: 7.795 min Scan# 980

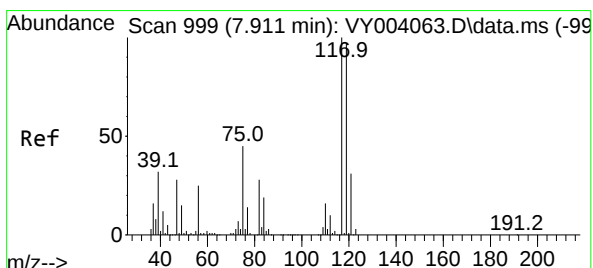
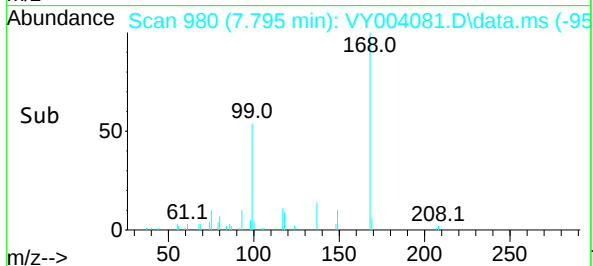
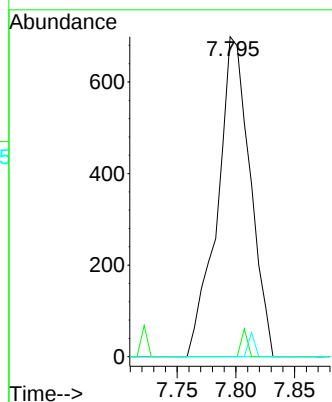
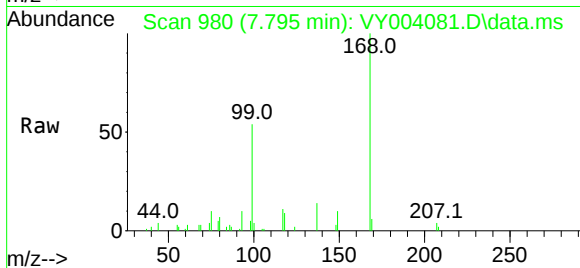
Delta R.T. -0.134 min

Lab File: VY004081.D

Acq: 11 Mar 2021 16:51

Tgt Ion:	75	Resp:	1358
Ion	Ratio	Lower	Upper
75	100		
110	1.6	17.4	52.3#
77	1.4	24.5	36.7#

Instrument :
MSVOA_Y
ClientSampled :



#38

Carbon Tetrachloride

Concen: 6.69 ug/l

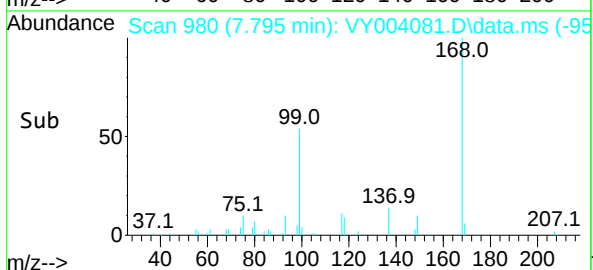
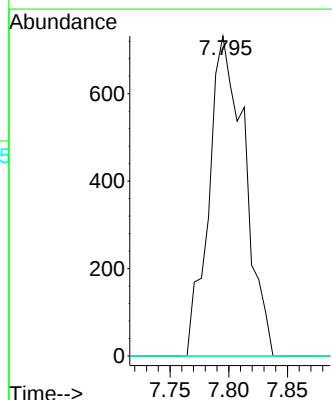
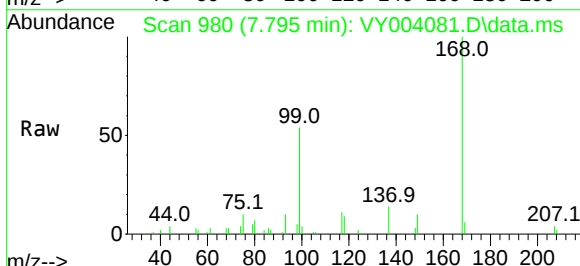
RT: 7.795 min Scan# 980

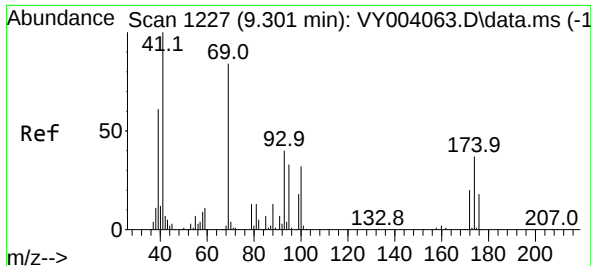
Delta R.T. -0.116 min

Lab File: VY004081.D

Acq: 11 Mar 2021 16:51

Tgt Ion:	117	Resp:	1555
Ion	Ratio	Lower	Upper
117	100		
119	0.0	75.4	113.0#
121	0.0	24.2	36.2#

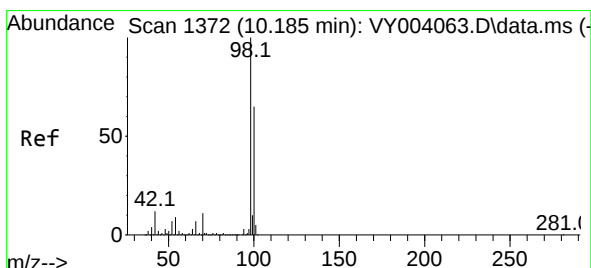
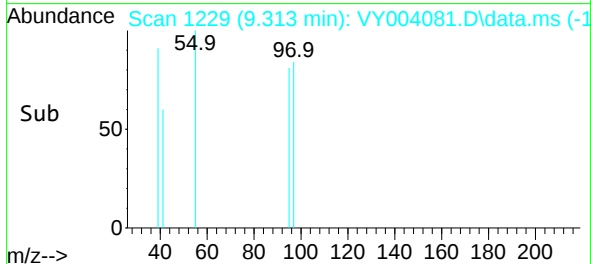
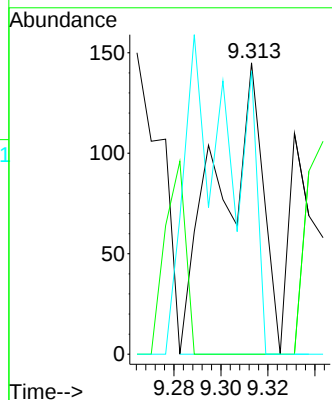
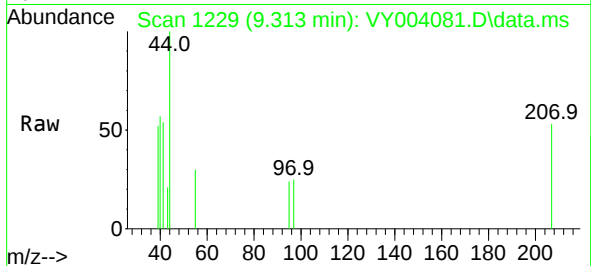




#48
Methyl methacrylate
Concen: 1.70 ug/l
RT: 9.313 min Scan# 1229
Delta R.T. 0.012 min
Lab File: VY004081.D
Acq: 11 Mar 2021 16:51

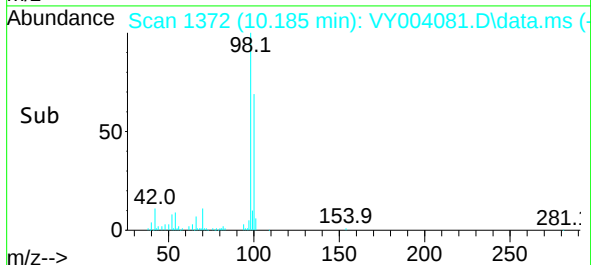
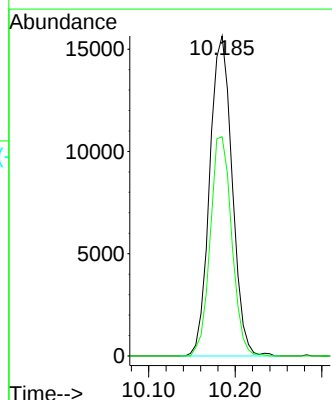
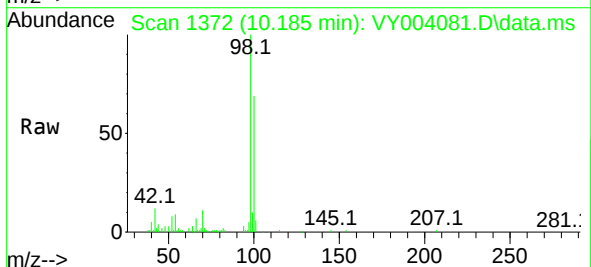
Instrument :
MSVOA_Y
ClientSampled :

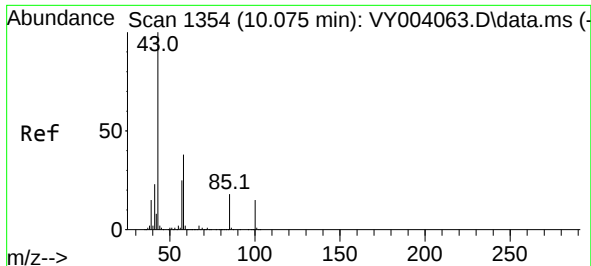
Tgt Ion: 41 Resp: 191
Ion Ratio Lower Upper
41 100
69 0.0 65.1 97.7#
39 0.0 44.2 66.2#



#50
Toluene-d8
Concen: 51.07 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY004081.D
Acq: 11 Mar 2021 16:51

Tgt Ion: 98 Resp: 28152
Ion Ratio Lower Upper
98 100
100 65.6 51.8 77.6

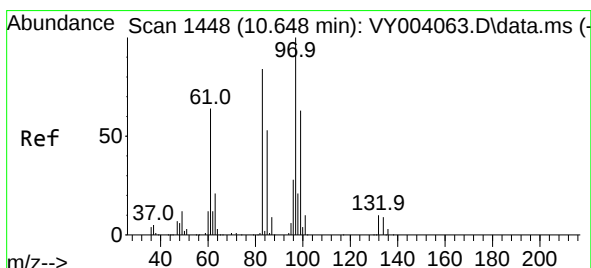
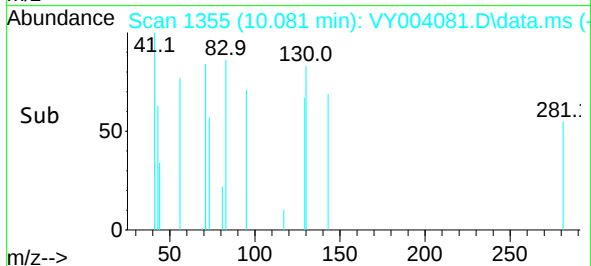
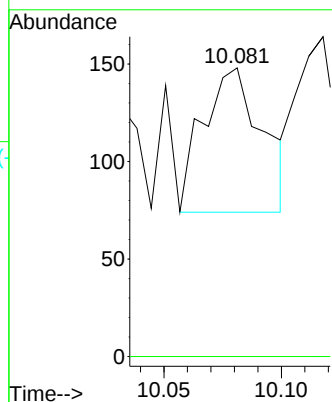
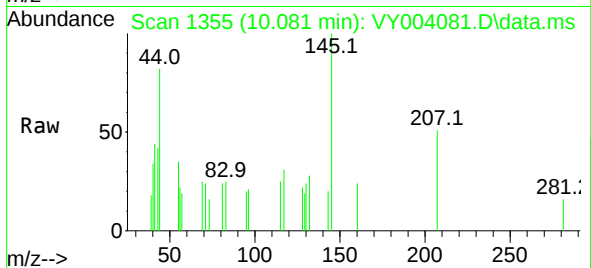




#51
4-Methyl-2-Pentanone
Concen: 1.09 ug/l
RT: 10.081 min Scan# 1355
Delta R.T. 0.006 min
Lab File: VY004081.D
Acq: 11 Mar 2021 16:51

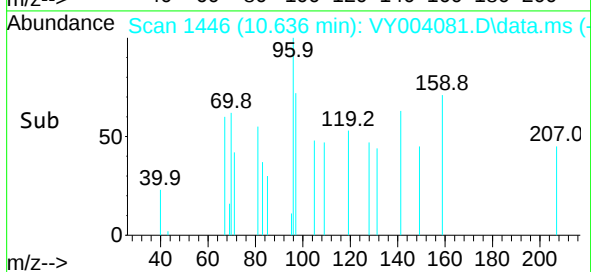
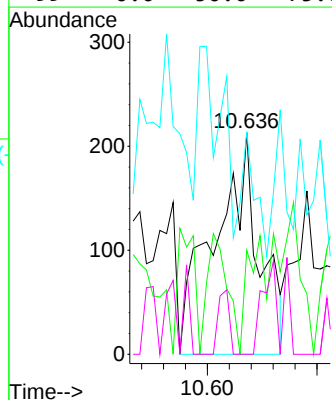
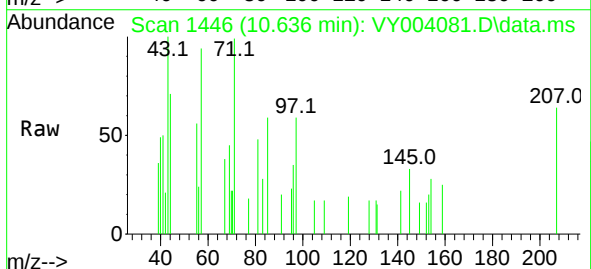
Instrument :
MSVOA_Y
ClientSampled :

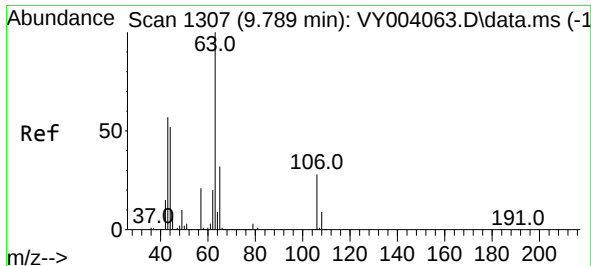
Tgt Ion: 43 Resp: 131
Ion Ratio Lower Upper
43 100
58 0.0 29.8 44.8#



#55
1,1,2-Trichloroethane
Concen: 4.86 ug/l
RT: 10.636 min Scan# 1446
Delta R.T. -0.012 min
Lab File: VY004081.D
Acq: 11 Mar 2021 16:51

Tgt Ion: 97 Resp: 602
Ion Ratio Lower Upper
97 100
83 9.9 69.4 104.0#
85 0.9 43.4 65.0#
99 0.0 50.0 75.0#

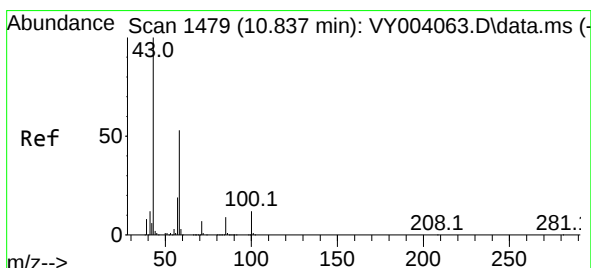
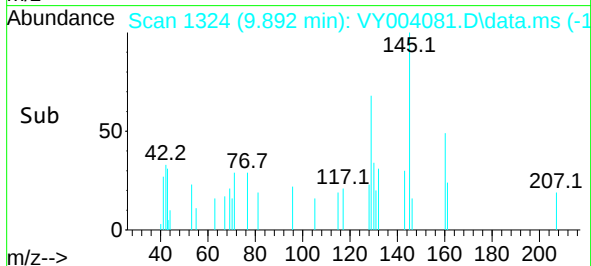
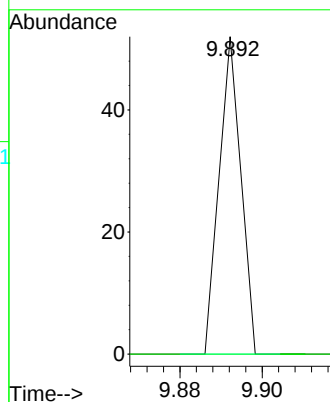
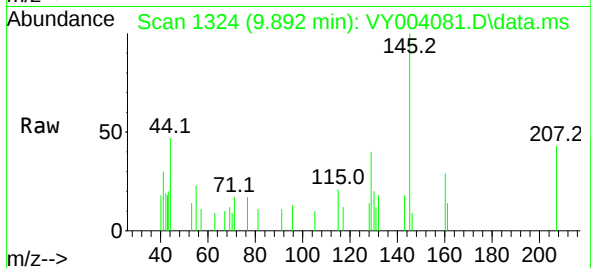




#58
2-Chloroethyl Vinyl ether
Concen: Below Cal
RT: 9.892 min Scan# 1324
Delta R.T. 0.103 min
Lab File: VY004081.D
Acq: 11 Mar 2021 16:51

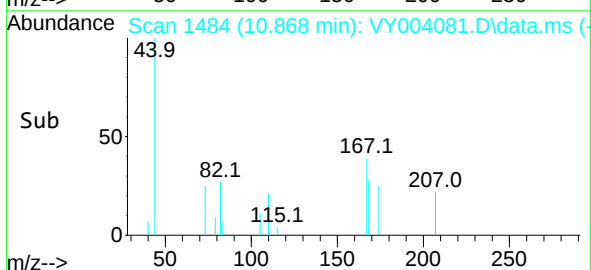
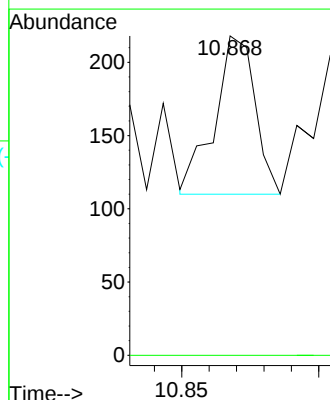
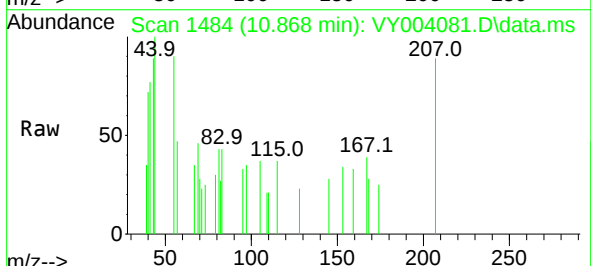
Instrument :
MSVOA_Y
ClientSampled :

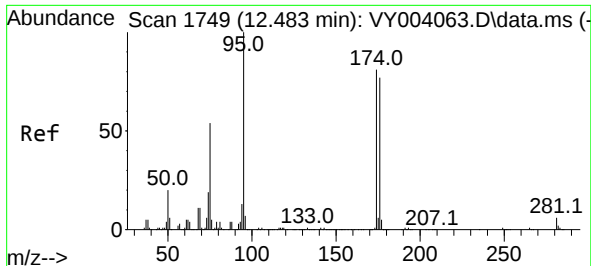
Tgt Ion: 63 Resp: 19
Ion Ratio Lower Upper
63 100
106 0.0 22.1 33.1#



#59
2-Hexanone
Concen: 1.32 ug/l
RT: 10.868 min Scan# 1484
Delta R.T. 0.031 min
Lab File: VY004081.D
Acq: 11 Mar 2021 16:51

Tgt Ion: 43 Resp: 111
Ion Ratio Lower Upper
43 100
58 0.0 26.5 79.4#

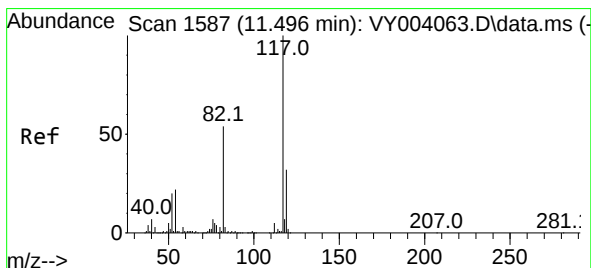
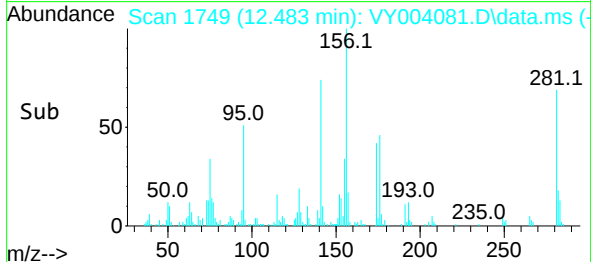
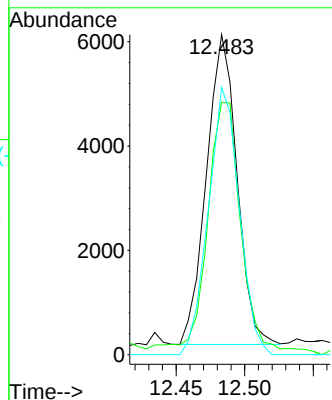
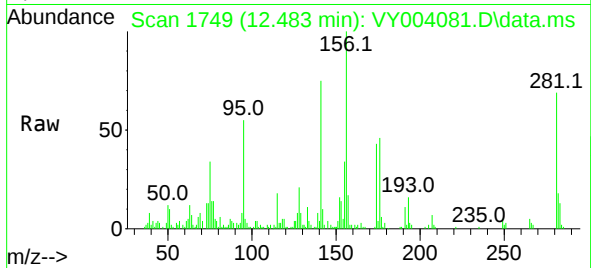




#62
4-Bromofluorobenzene
Concen: 45.19 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY004081.D
Acq: 11 Mar 2021 16:51

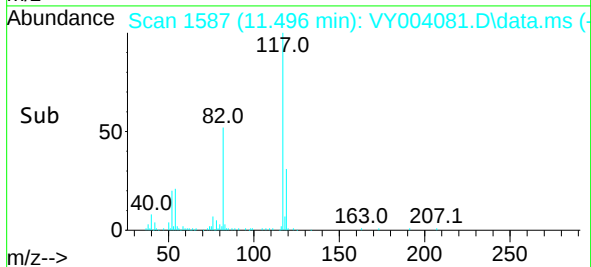
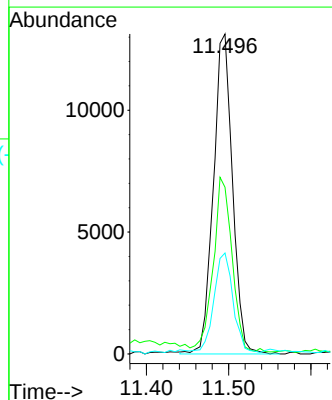
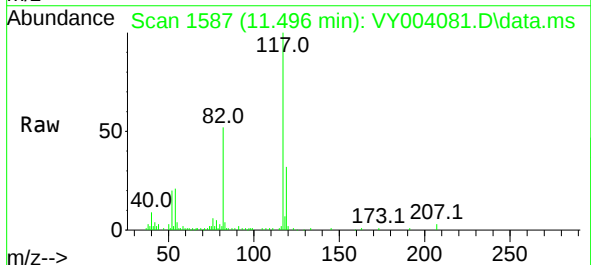
Instrument :
MSVOA_Y
ClientSampleId :

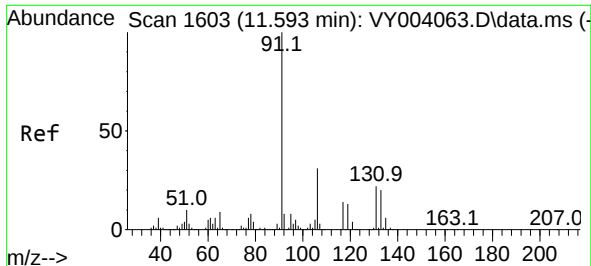
Tgt Ion: 95 Resp: 9200
Ion Ratio Lower Upper
95 100
174 92.2 0.0 179.0
176 87.3 0.0 174.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY004081.D
Acq: 11 Mar 2021 16:51

Tgt Ion: 117 Resp: 21204
Ion Ratio Lower Upper
117 100
82 51.3 43.8 65.6
119 30.6 26.2 39.2

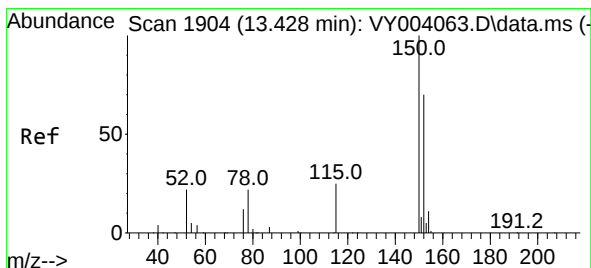
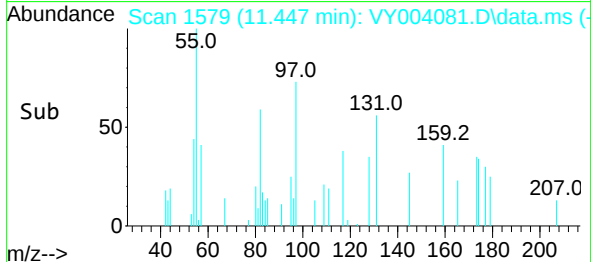
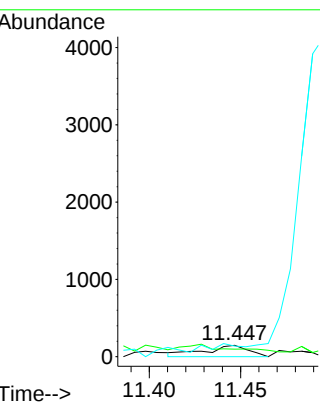
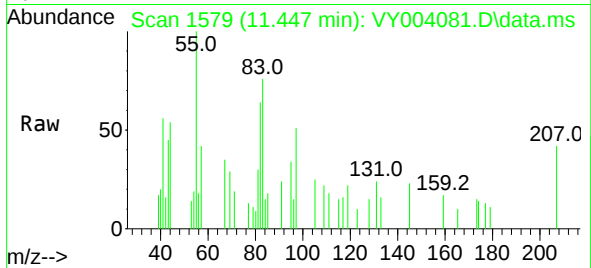




#66
1,1,1,2-Tetrachloroethane
Concen: 1.62 ug/l
RT: 11.447 min Scan# 1579
Delta R.T. -0.146 min
Lab File: VY004081.D
Acq: 11 Mar 2021 16:51

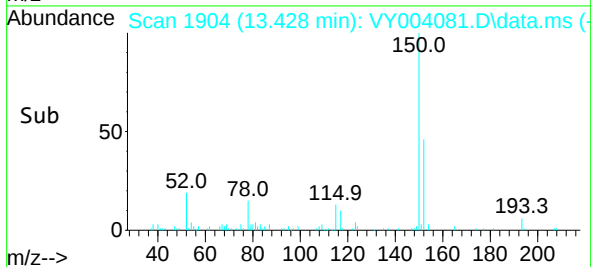
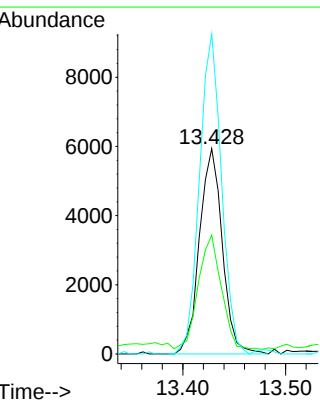
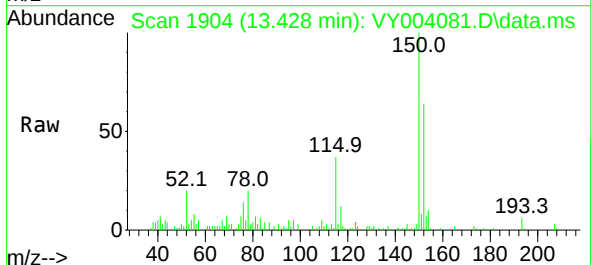
Instrument :
MSVOA_Y
ClientSampled :

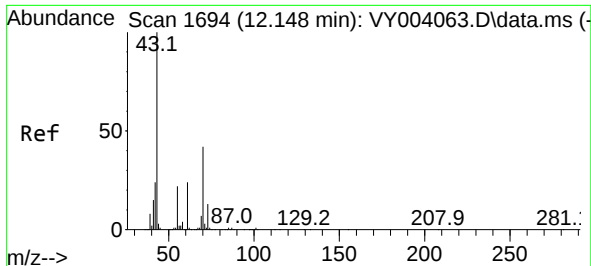
Tgt Ion:131 Resp: 247
Ion Ratio Lower Upper
131 100
133 68.8 48.1 144.3
119 85.8 31.5 94.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY004081.D
Acq: 11 Mar 2021 16:51

Tgt Ion:152 Resp: 9166
Ion Ratio Lower Upper
152 100
115 55.9 28.2 84.6
150 149.9 0.0 347.2

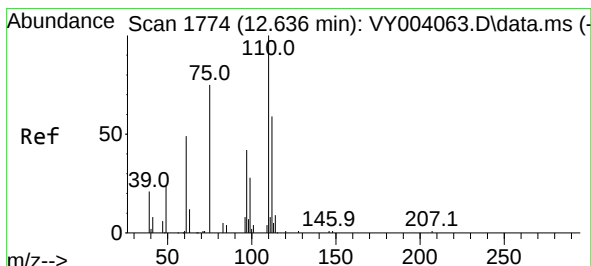
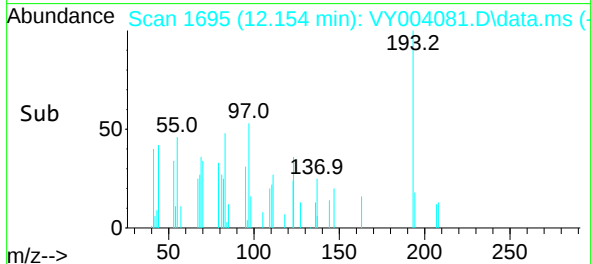
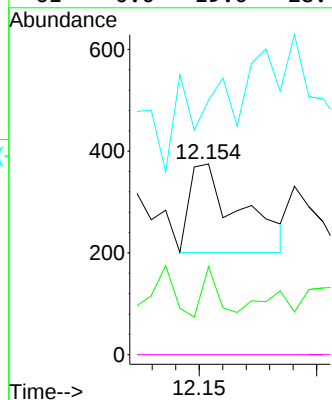
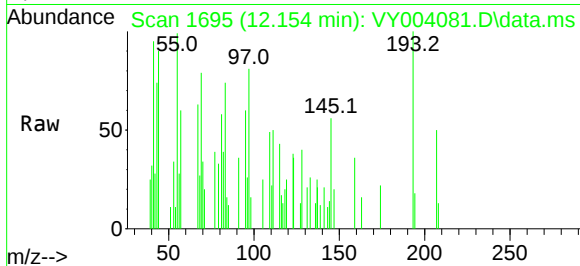




#74
N-amy1 acetate
Concen: 1.41 ug/l
RT: 12.154 min Scan# 1695
Delta R.T. 0.006 min
Lab File: VY004081.D
Acq: 11 Mar 2021 16:51

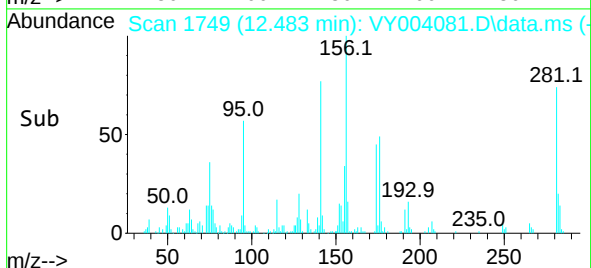
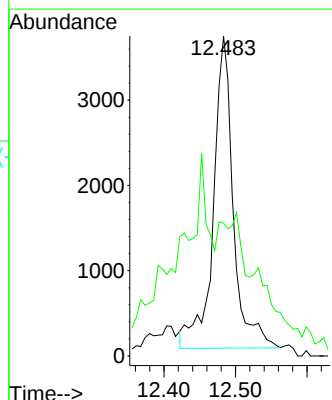
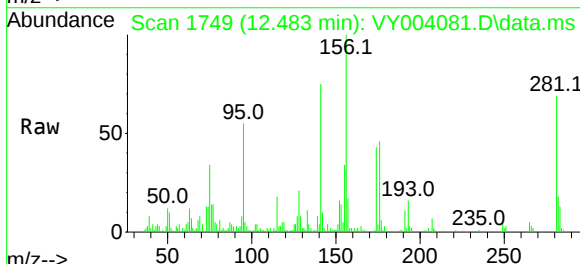
Instrument :
MSVOA_Y
ClientSampled :

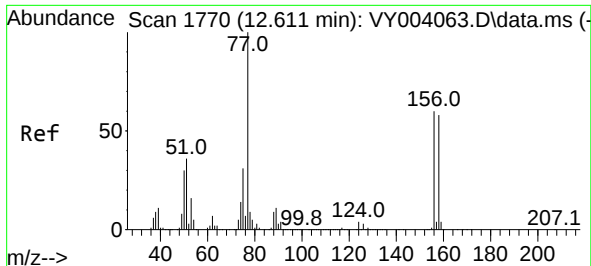
Tgt Ion: 43 Resp: 258
Ion Ratio Lower Upper
43 100
70 49.2 32.3 48.5#
55 0.0 18.4 27.6#
61 0.0 19.0 28.4#



#76
1,2,3-Trichloropropane
Concen: 80.78 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY004081.D
Acq: 11 Mar 2021 16:51

Tgt Ion: 75 Resp: 7100
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0

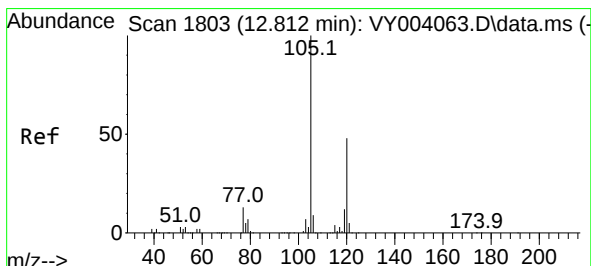
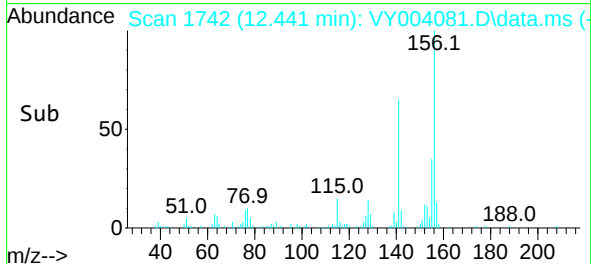
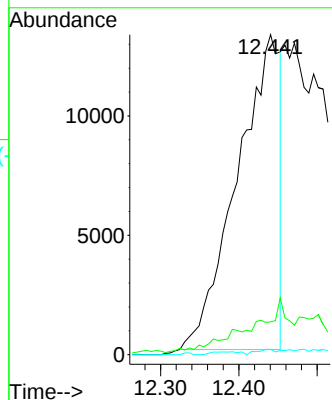
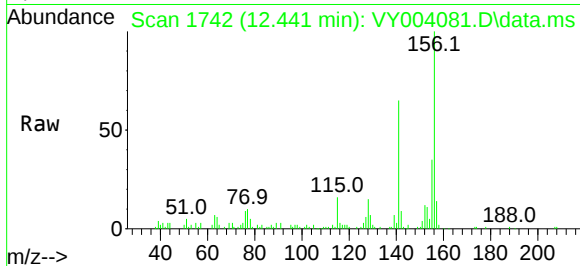




#77
Bromobenzene
Concen: 340.24 ug/l
RT: 12.441 min Scan# 1742
Delta R.T. -0.171 min
Lab File: VY004081.D
Acq: 11 Mar 2021 16:51

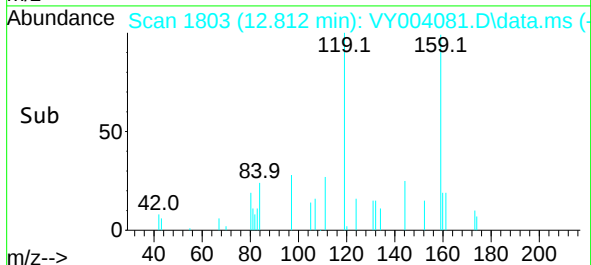
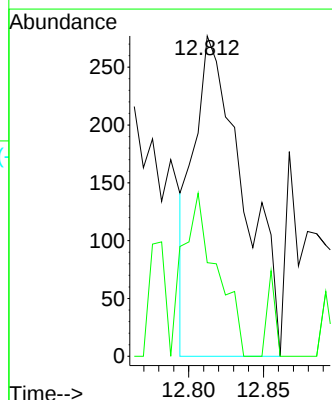
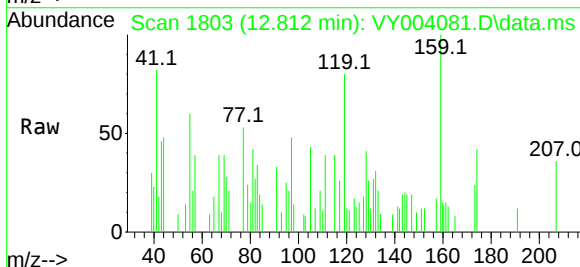
Instrument :
MSVOA_Y
ClientSampled :

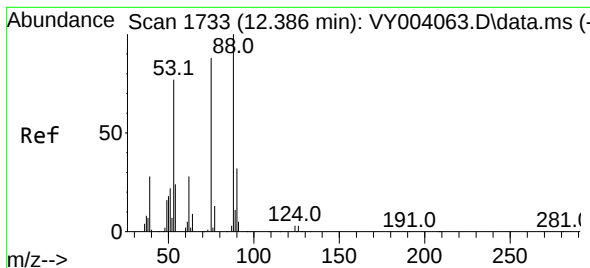
Tgt Ion:156 Resp: 50074
Ion Ratio Lower Upper
156 100
77 1.1 90.5 271.3#
158 0.7 48.9 146.6#



#80
1,3,5-Trimethylbenzene
Concen: 1.19 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VY004081.D
Acq: 11 Mar 2021 16:51

Tgt Ion:105 Resp: 641
Ion Ratio Lower Upper
105 100
120 34.5 24.1 72.2

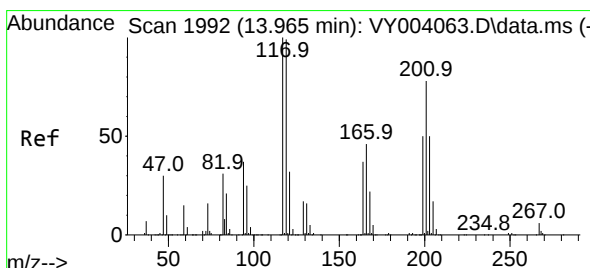
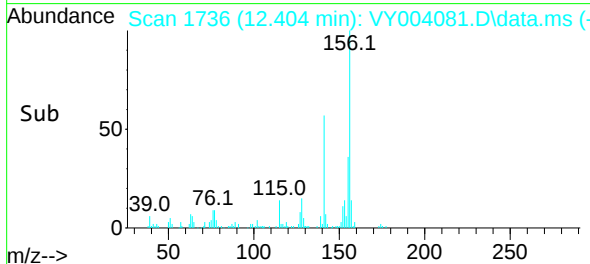
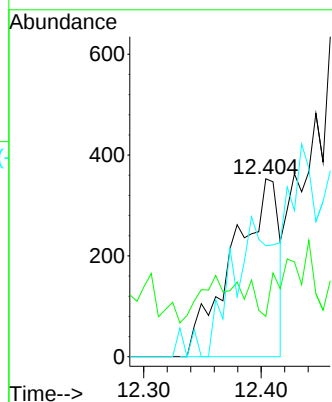
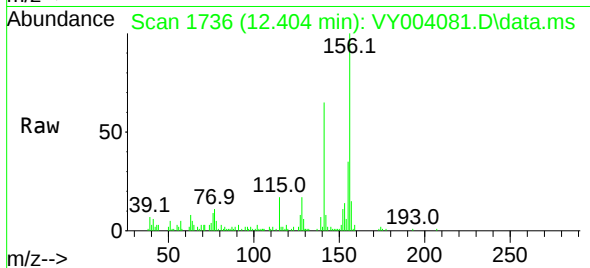




#81
trans-1,4-Dichloro-2-butene
Concen: 21.45 ug/l
RT: 12.404 min Scan# 1736
Delta R.T. 0.018 min
Lab File: VY004081.D
Acq: 11 Mar 2021 16:51

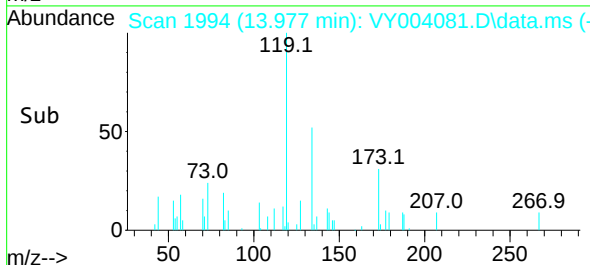
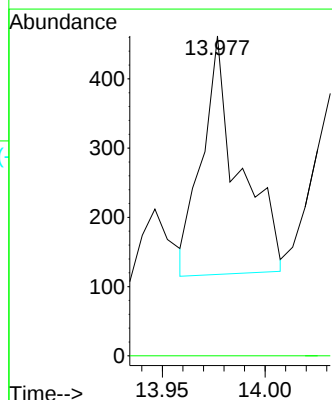
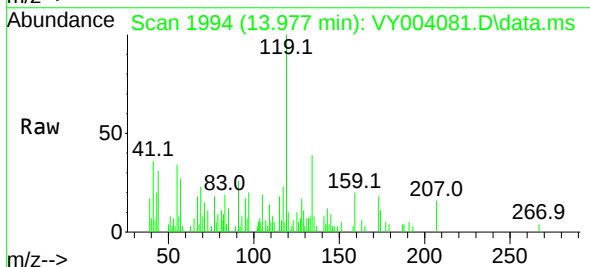
Instrument :
MSVOA_Y
ClientSampleId :

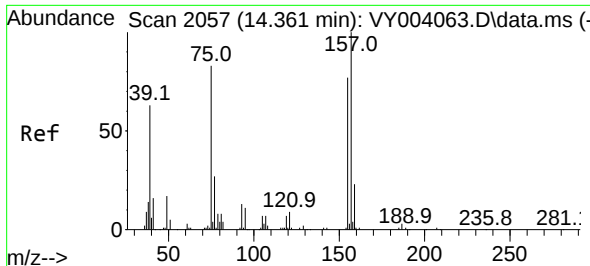
Tgt Ion: 75 Resp: 955
Ion Ratio Lower Upper
75 100
53 0.0 73.5 110.3#
89 55.2 35.7 53.5#



#90
Hexachloroethane
Concen: 4.05 ug/l
RT: 13.977 min Scan# 1994
Delta R.T. 0.012 min
Lab File: VY004081.D
Acq: 11 Mar 2021 16:51

Tgt Ion: 117 Resp: 433
Ion Ratio Lower Upper
117 100
201 0.0 46.0 138.0#

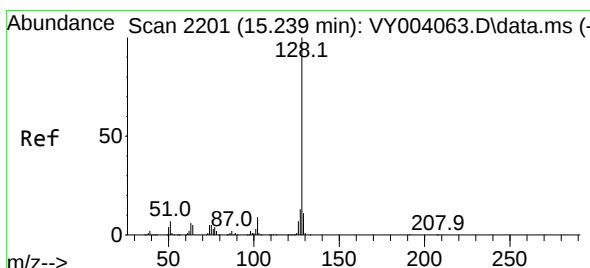
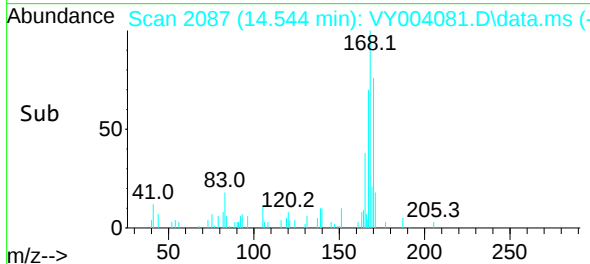
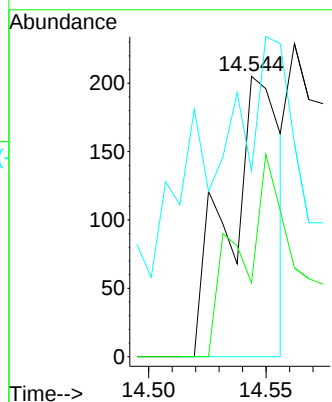
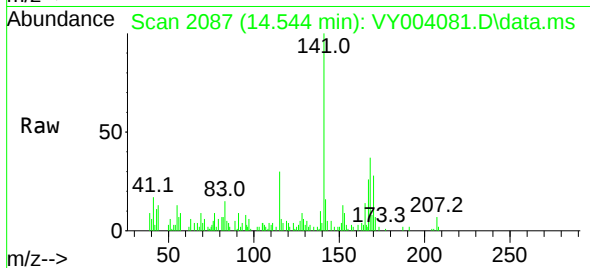




#92
1,2-Dibromo-3-Chloropropane
Concen: 14.87 ug/l
RT: 14.544 min Scan# 2087
Delta R.T. 0.183 min
Lab File: VY004081.D
Acq: 11 Mar 2021 16:51

Instrument :
MSVOA_Y
ClientSampled :

Tgt Ion: 75 Resp: 311
Ion Ratio Lower Upper
75 100
155 77.2 42.8 128.4
157 113.8 52.4 157.3



#95
Naphthalene
Concen: 5.88 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.006 min
Lab File: VY004081.D
Acq: 11 Mar 2021 16:51

Tgt Ion: 128 Resp: 1991
Ion Ratio Lower Upper
128 100
127 64.8 10.6 16.0#
129 34.3 8.7 13.1#

