

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060421\
 Data File : VY004977.D
 Acq On : 04 Jun 2021 20:09
 Operator : SY/MD
 Sample : M2612-03
 Misc : 5.57G/5ML/MSVOA_Y/SOIL
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 18-B12(14-18)

Quant Time: Jun 05 01:36:59 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060221S.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 03 04:43:33 2021
 Response via : Initial Calibration

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

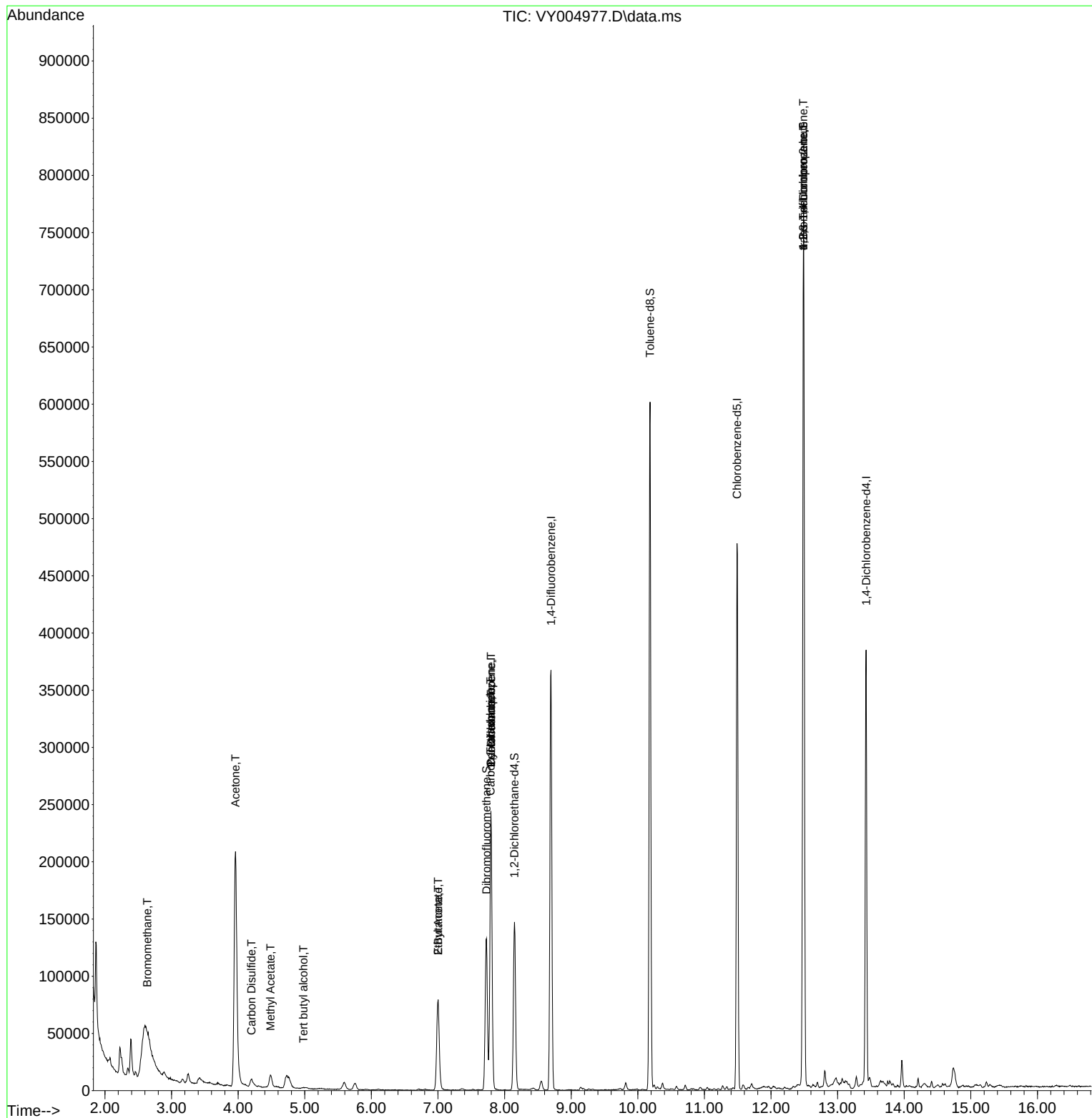
Internal Standards						
1) Pentafluorobenzene	7.795	168	181157	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	312177	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	257952	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	92614	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	113072	59.041	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 118.080%			
35) Dibromofluoromethane	7.728	113	93563	55.707	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.420%			
50) Toluene-d8	10.185	98	381288	54.662	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 109.320%			
62) 4-Bromofluorobenzene	12.483	95	105100	43.811	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 87.620%			
Target Compounds						Qvalue
5) Bromomethane	2.637	94	1334	1.089	ug/l	85
11) Tert butyl alcohol	4.978	59	1460	6.629	ug/l #	83
13) Acrolein	3.735	56	634	Below Cal	#	15
16) Acetone	3.960	43	387671	840.889	ug/l	99
17) Carbon Disulfide	4.198	76	12504	2.184	ug/l	96
18) Methyl Acetate	4.484	43	22554	15.266	ug/l	100
20) Methylene Chloride	4.728	84	7343	Below Cal		90
25) 2-Butanone	7.002	43	141126	182.045	ug/l	97
31) Cyclohexane	7.795	56	4816	1.428	ug/l #	1
36) 1,1-Dichloropropene	7.795	75	15095	4.941	ug/l #	49
37) Ethyl Acetate	7.002	43	141126	70.223	ug/l #	70
38) Carbon Tetrachloride	7.789	117	18511	6.962	ug/l #	15
76) 1,2,3-Trichloropropane	12.483	75	59875	58.977	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	59875	108.386	ug/l #	17

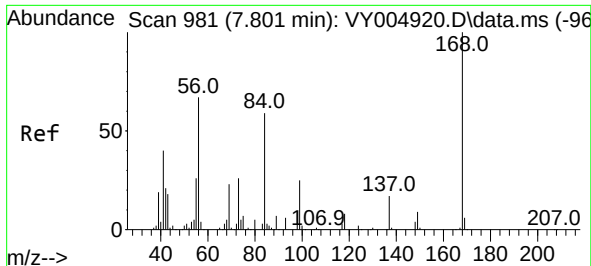
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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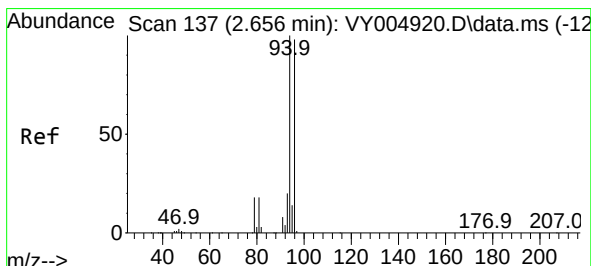
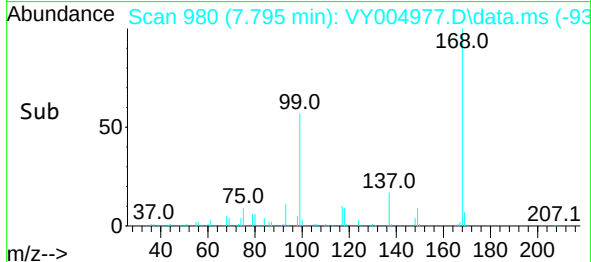
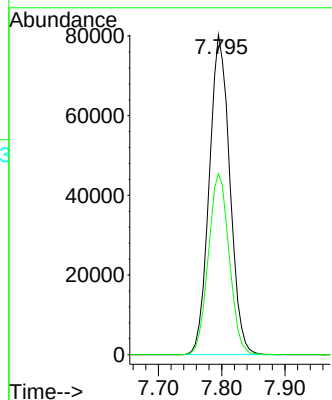
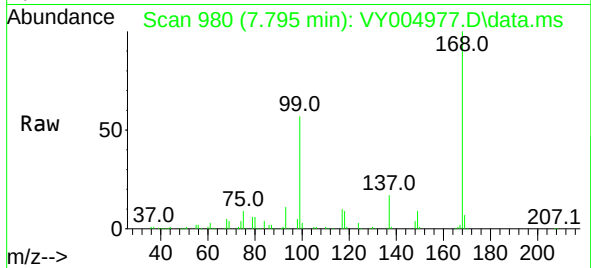




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.006 min
Lab File: VY004977.D
Acq: 04 Jun 2021 20:09

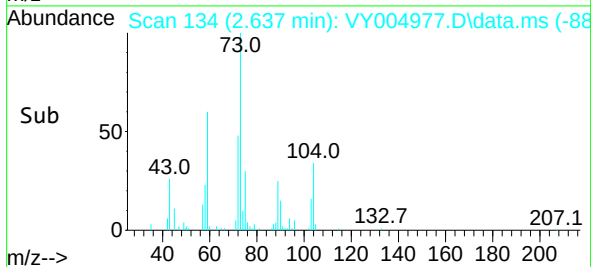
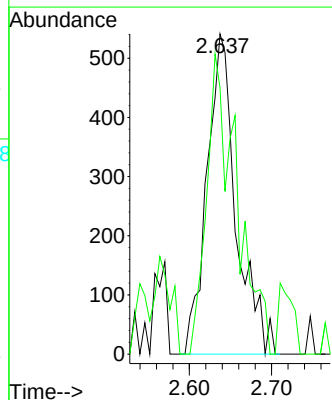
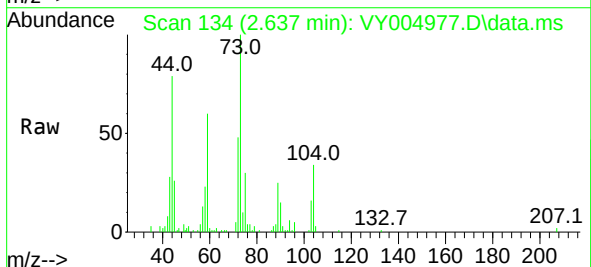
Instrument :
MSVOA_Y
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18-B12(14-18)

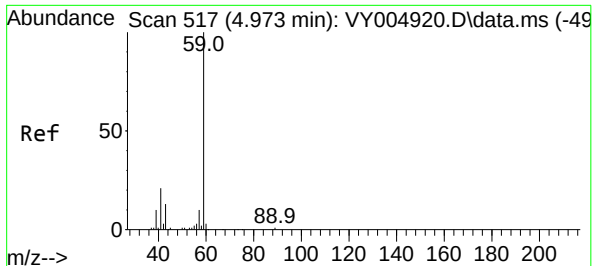
Tgt Ion:168 Resp: 181157
Ion Ratio Lower Upper
168 100
99 56.5 43.9 65.9



#5
Bromomethane
Concen: 1.089 ug/l
RT: 2.637 min Scan# 134
Delta R.T. -0.019 min
Lab File: VY004977.D
Acq: 04 Jun 2021 20:09

Tgt Ion: 94 Resp: 1334
Ion Ratio Lower Upper
94 100
96 83.2 78.4 117.6



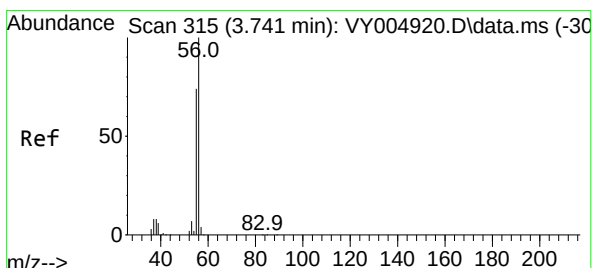
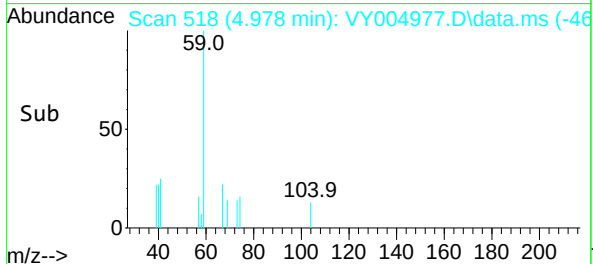
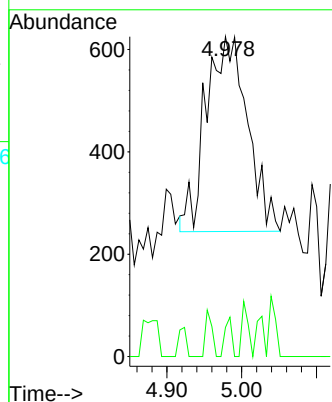
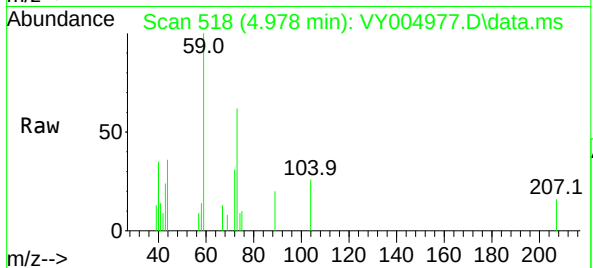


#11

Tert butyl alcohol
Concen: 6.629 ug/l
RT: 4.978 min Scan# 518
Delta R.T. 0.005 min
Lab File: VY004977.D
Acq: 04 Jun 2021 20:09

Instrument :
MSVOA_Y
ClientSampleId :
18-B12(14-18)

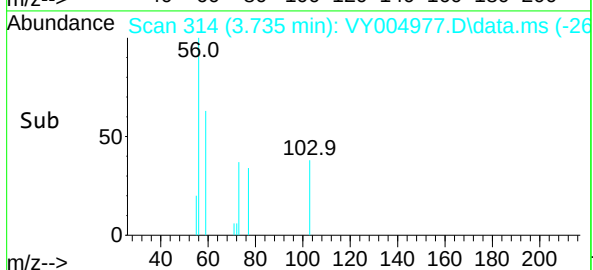
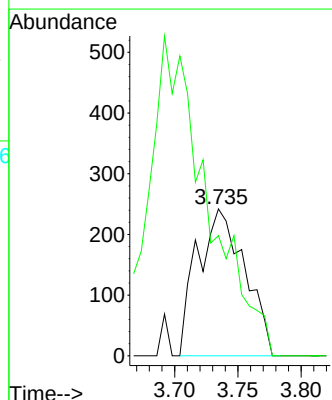
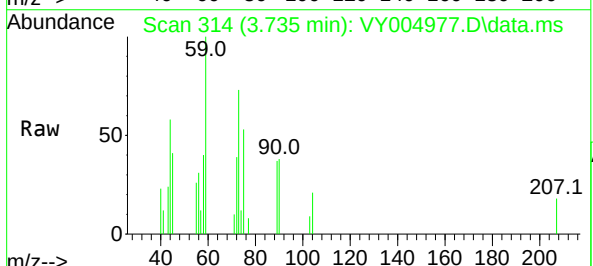
Tgt Ion: 59 Resp: 1460
Ion Ratio Lower Upper
59 100
57 3.4 7.7 11.5#

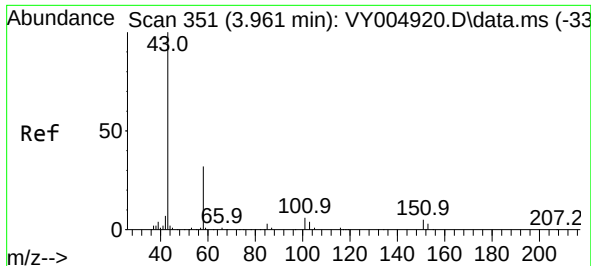


#13

Acrolein
Concen: Below Cal
RT: 3.735 min Scan# 314
Delta R.T. -0.006 min
Lab File: VY004977.D
Acq: 04 Jun 2021 20:09

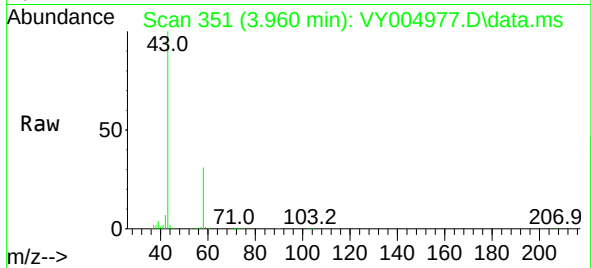
Tgt Ion: 56 Resp: 634
Ion Ratio Lower Upper
56 100
55 0.0 55.4 83.2#



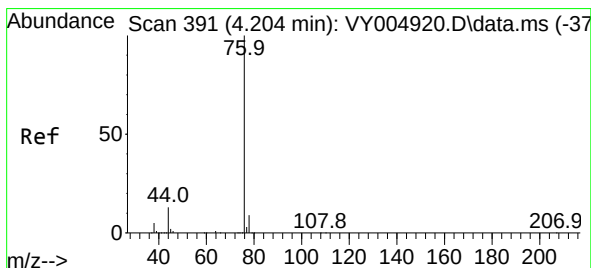
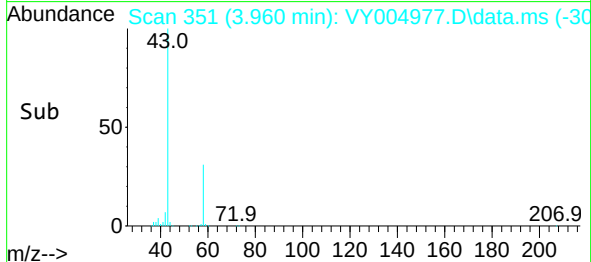
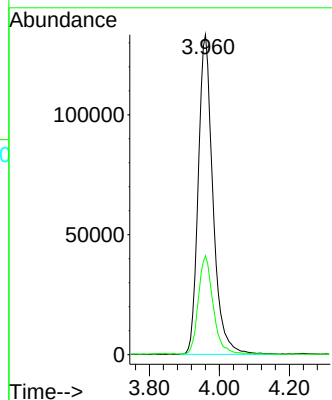


#16
Acetone
Concen: 840.889 ug/l
RT: 3.960 min Scan# 351
Delta R.T. -0.000 min
Lab File: VY004977.D
Acq: 04 Jun 2021 20:09

Instrument :
MSVOA_Y
ClientSampleId :
18-B12(14-18)

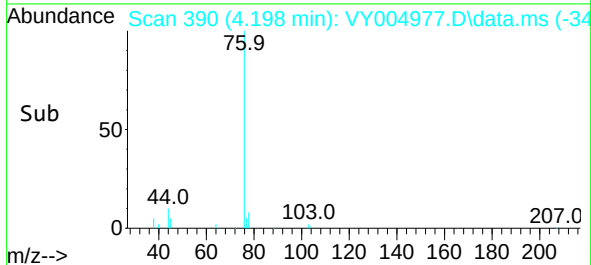
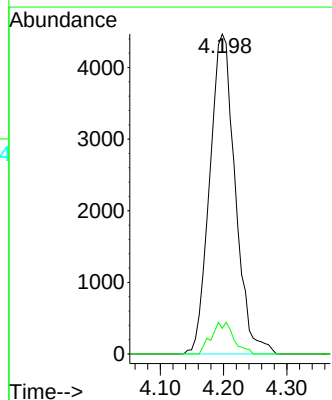
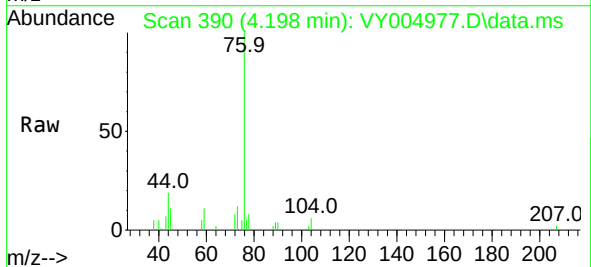


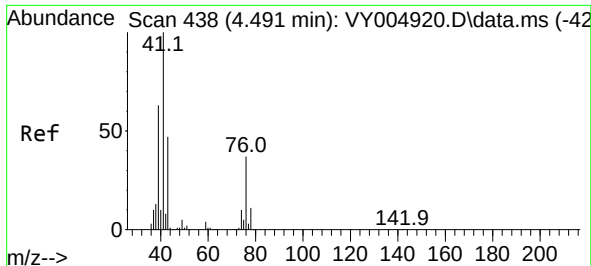
Tgt Ion: 43 Resp: 387671
Ion Ratio Lower Upper
43 100
58 30.8 25.3 37.9



#17
Carbon Disulfide
Concen: 2.184 ug/l
RT: 4.198 min Scan# 390
Delta R.T. -0.006 min
Lab File: VY004977.D
Acq: 04 Jun 2021 20:09

Tgt Ion: 76 Resp: 12504
Ion Ratio Lower Upper
76 100
78 8.0 7.6 11.4

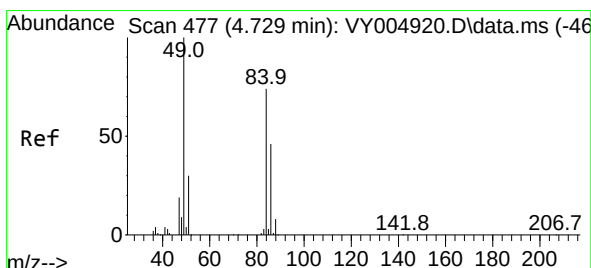
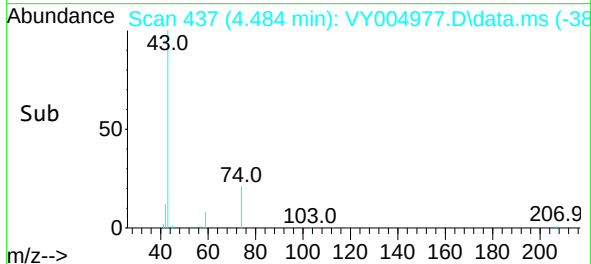
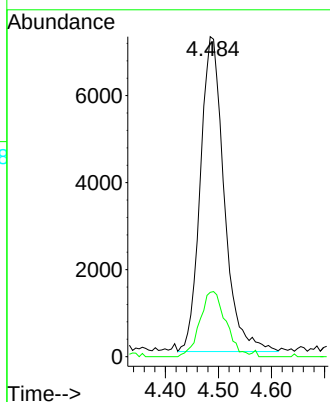
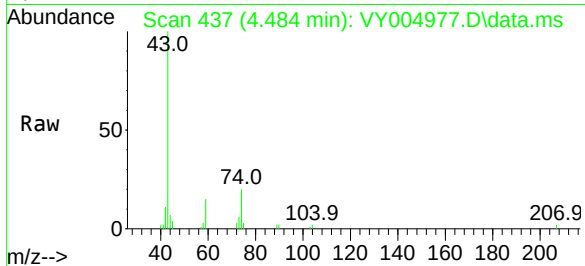




#18
Methyl Acetate
Concen: 15.266 ug/l
RT: 4.484 min Scan# 437
Delta R.T. -0.006 min
Lab File: VY004977.D
Acq: 04 Jun 2021 20:09

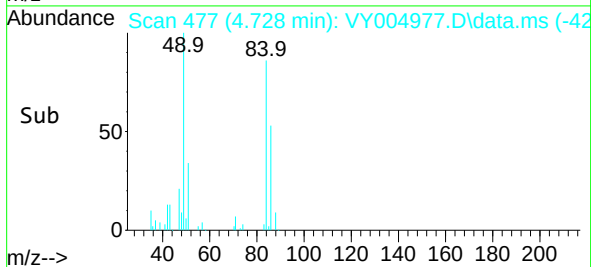
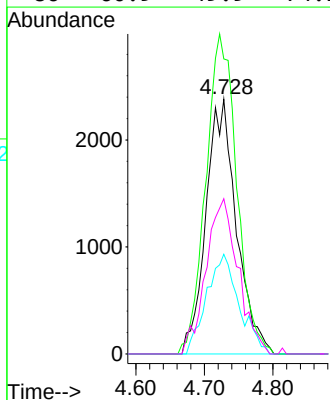
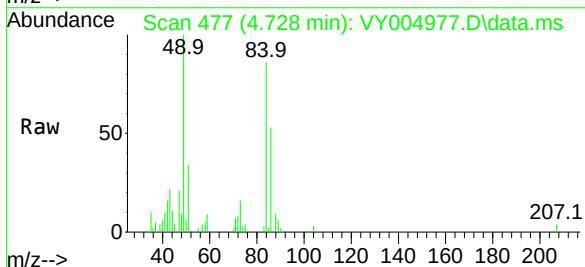
Instrument :
MSVOA_Y
ClientSampleId :
18-B12(14-18)

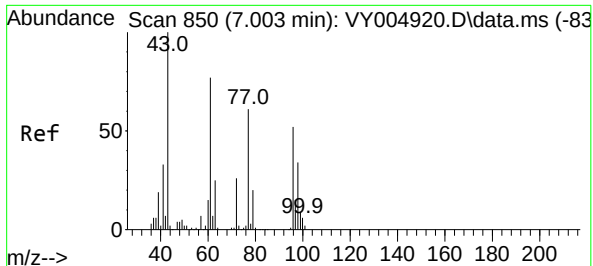
Tgt Ion: 43 Resp: 22554
Ion Ratio Lower Upper
43 100
74 22.4 18.0 27.0



#20
Methylene Chloride
Concen: Below Cal
RT: 4.728 min Scan# 477
Delta R.T. -0.001 min
Lab File: VY004977.D
Acq: 04 Jun 2021 20:09

Tgt Ion: 84 Resp: 7343
Ion Ratio Lower Upper
84 100
49 115.8 108.0 162.0
51 39.1 32.6 48.8
86 60.9 49.9 74.9

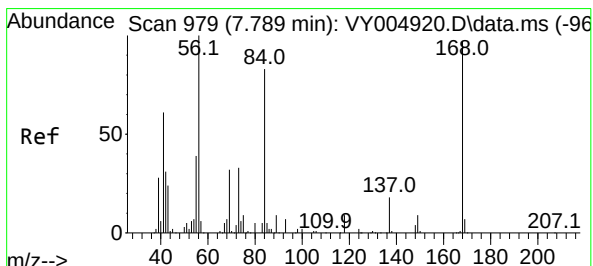
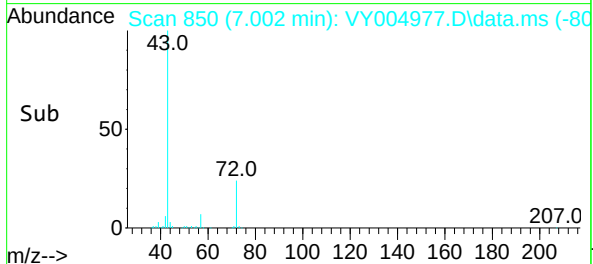
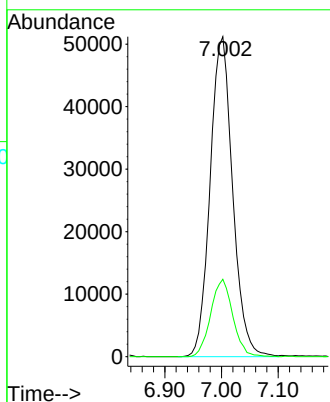
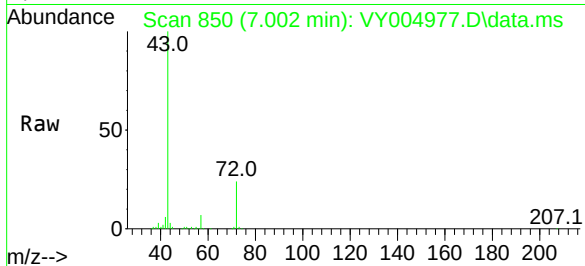




#25
2-Butanone
Concen: 182.045 ug/l
RT: 7.002 min Scan# 850
Delta R.T. -0.000 min
Lab File: VY004977.D
Acq: 04 Jun 2021 20:09

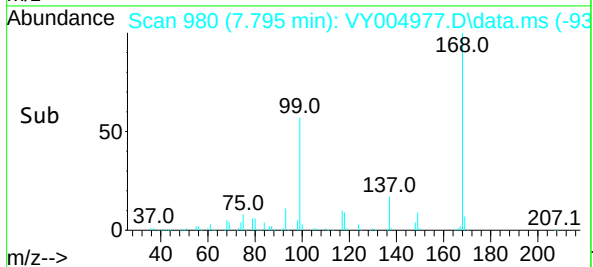
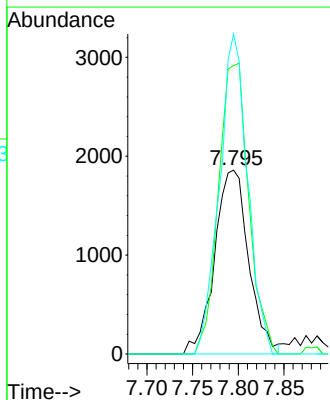
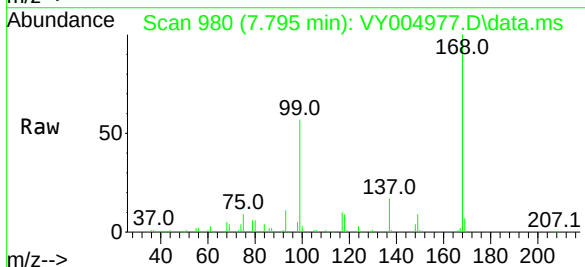
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ClientSampleId :
18-B12(14-18)

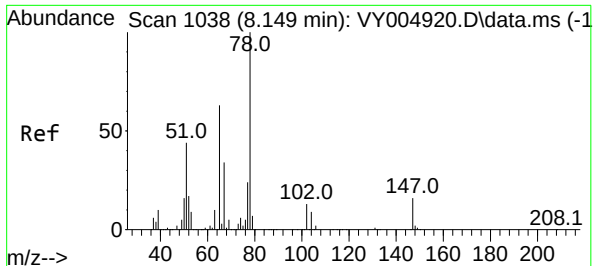
Tgt Ion: 43 Resp: 141126
Ion Ratio Lower Upper
43 100
72 24.2 20.6 31.0



#31
Cyclohexane
Concen: 1.428 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.006 min
Lab File: VY004977.D
Acq: 04 Jun 2021 20:09

Tgt Ion: 56 Resp: 4816
Ion Ratio Lower Upper
56 100
69 156.9 25.3 37.9#
84 174.0 66.2 99.4#

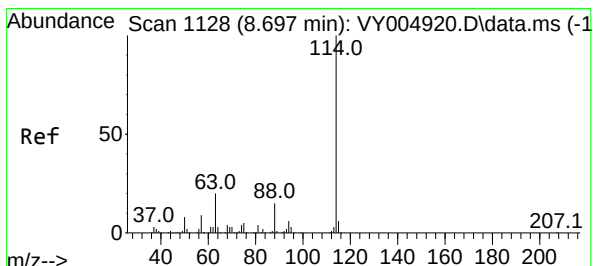
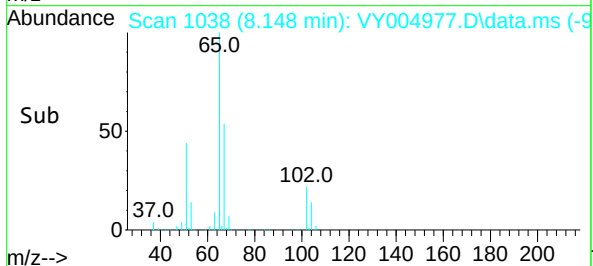
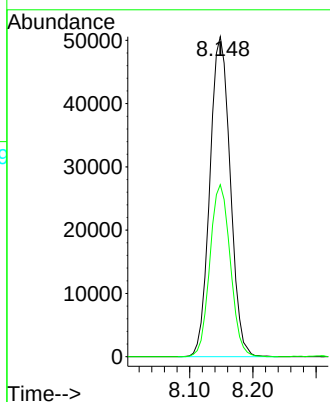
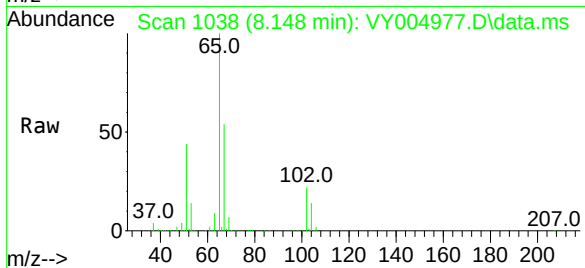




#33
 1,2-Dichloroethane-d4
 Concen: 59.041 ug/l
 RT: 8.148 min Scan# 1038
 Delta R.T. -0.000 min
 Lab File: VY004977.D
 Acq: 04 Jun 2021 20:09

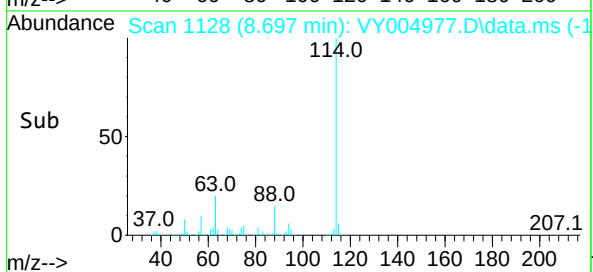
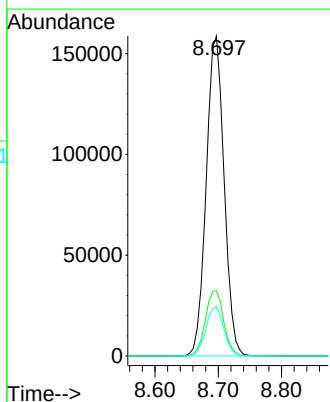
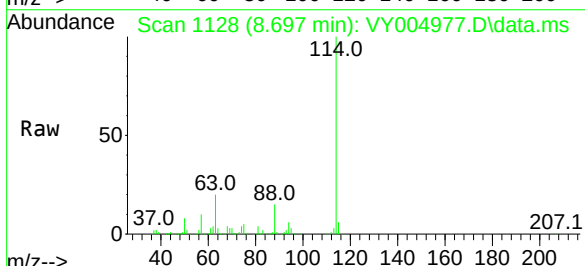
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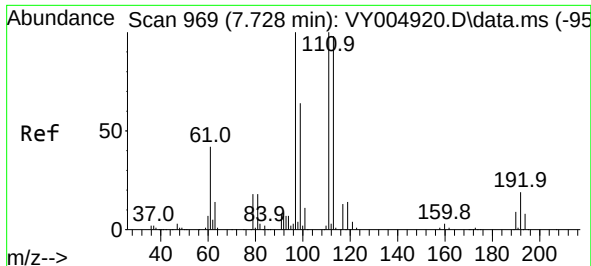
Tgt Ion: 65 Resp: 113072
 Ion Ratio Lower Upper
 65 100
 67 53.8 0.0 110.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.697 min Scan# 1128
 Delta R.T. -0.000 min
 Lab File: VY004977.D
 Acq: 04 Jun 2021 20:09

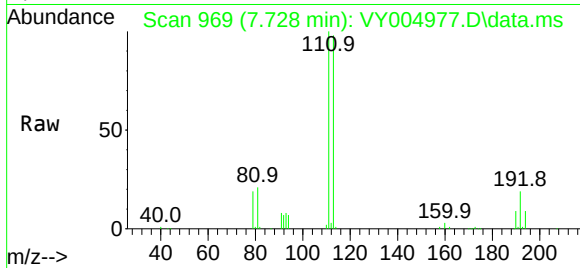
Tgt Ion: 114 Resp: 312177
 Ion Ratio Lower Upper
 114 100
 63 20.4 0.0 41.0
 88 15.5 0.0 30.6



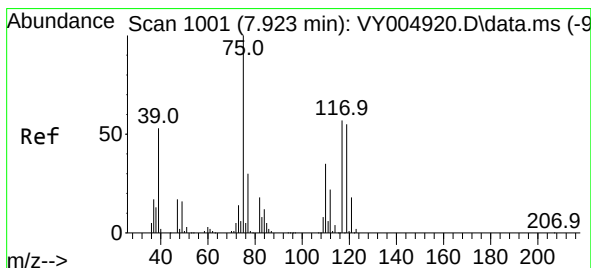
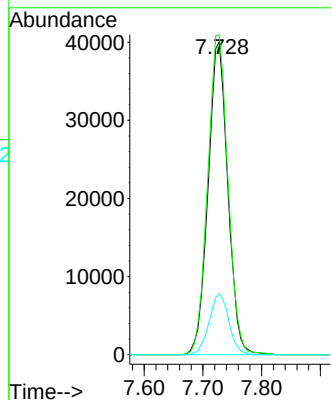
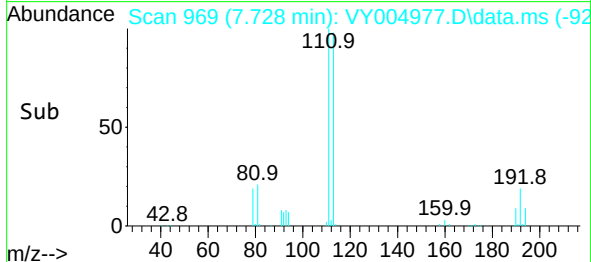


#35
Dibromofluoromethane
Concen: 55.707 ug/l
RT: 7.728 min Scan# 969
Delta R.T. -0.000 min
Lab File: VY004977.D
Acq: 04 Jun 2021 20:09

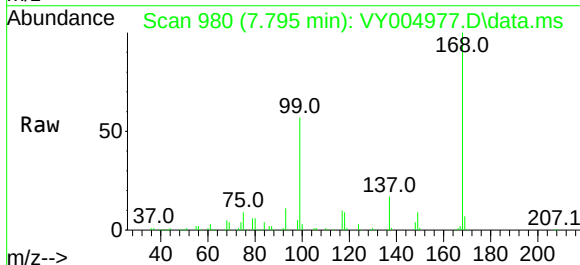
Instrument :
MSVOA_Y
ClientSampleId :
18-B12(14-18)



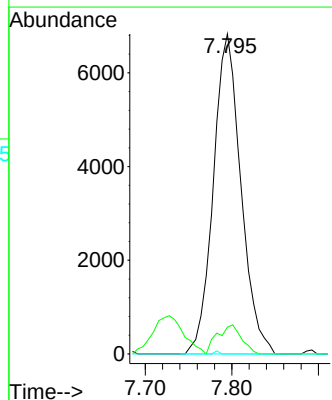
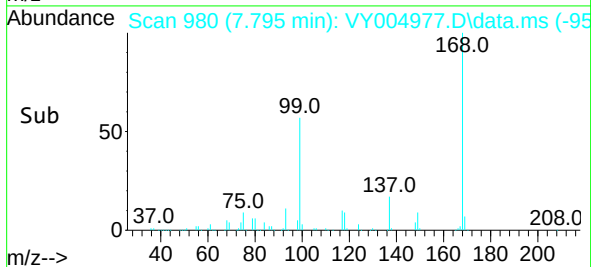
Tgt Ion:	113	Resp:	93563
Ion	Ratio	Lower	Upper
113	100		
111	105.4	81.8	122.8
192	19.4	15.3	22.9

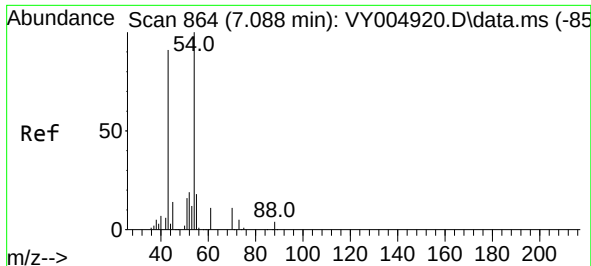


#36
1,1-Dichloropropene
Concen: 4.941 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY004977.D
Acq: 04 Jun 2021 20:09



Tgt Ion:	75	Resp:	15095
Ion	Ratio	Lower	Upper
75	100		
110	8.0	17.5	52.5#
77	0.2	25.1	37.7#

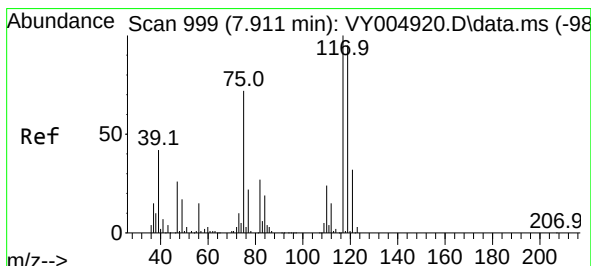
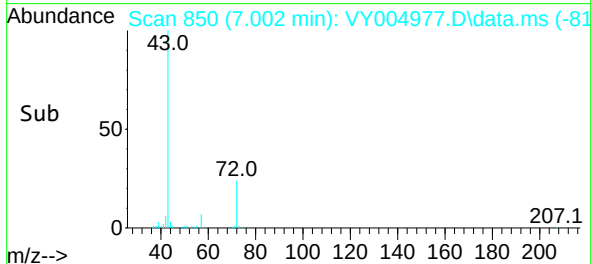
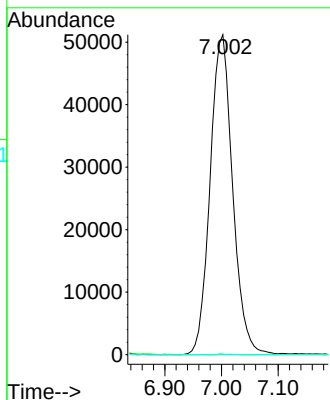
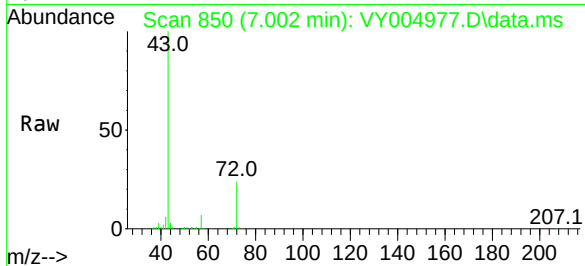




#37
Ethyl Acetate
Concen: 70.223 ug/l
RT: 7.002 min Scan# 850
Delta R.T. -0.086 min
Lab File: VY004977.D
Acq: 04 Jun 2021 20:09

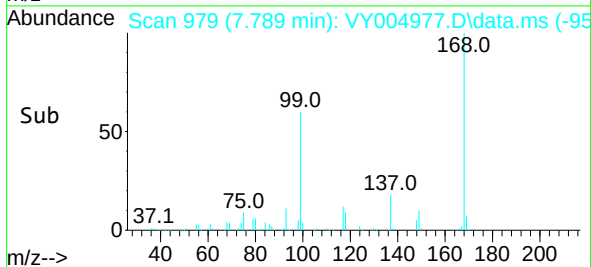
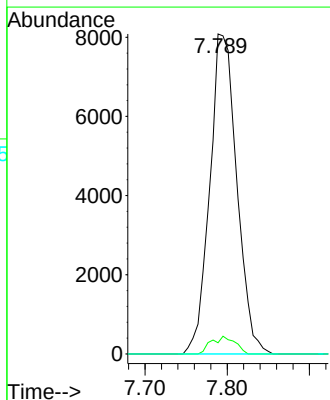
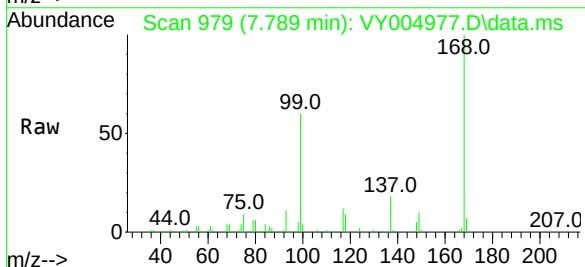
Instrument :
MSVOA_Y
ClientSampleId :
18-B12(14-18)

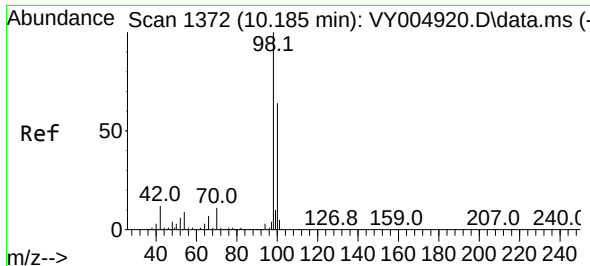
Tgt Ion: 43 Resp: 141126
Ion Ratio Lower Upper
43 100
61 0.1 10.5 15.7#
70 0.1 7.9 11.9#



#38
Carbon Tetrachloride
Concen: 6.962 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.122 min
Lab File: VY004977.D
Acq: 04 Jun 2021 20:09

Tgt Ion: 117 Resp: 18511
Ion Ratio Lower Upper
117 100
119 3.5 76.1 114.1#
121 0.0 25.5 38.3#

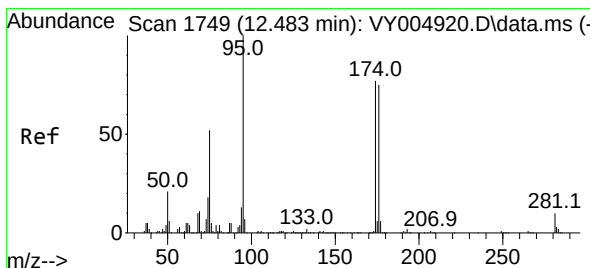
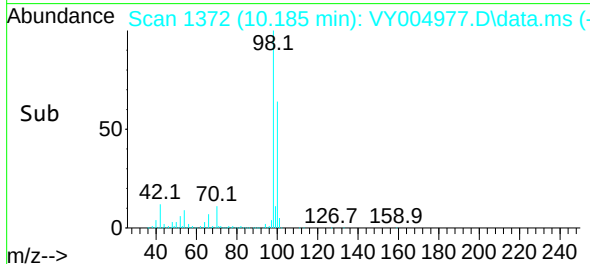
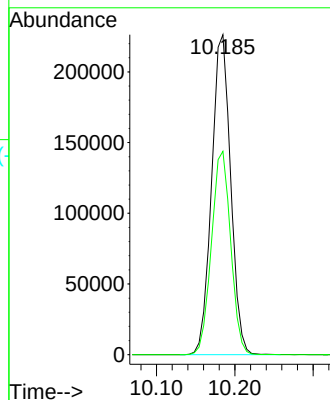
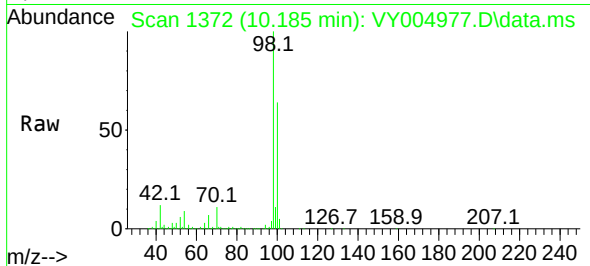




#50
Toluene-d8
Concen: 54.662 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY004977.D
Acq: 04 Jun 2021 20:09

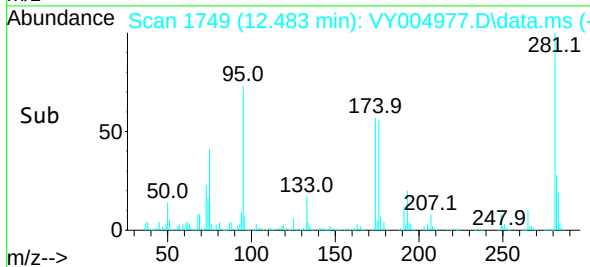
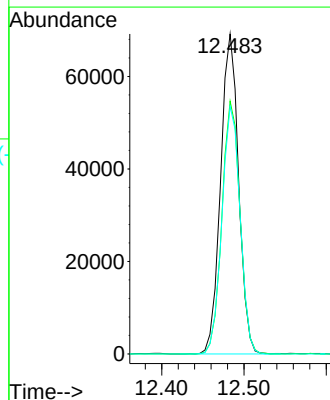
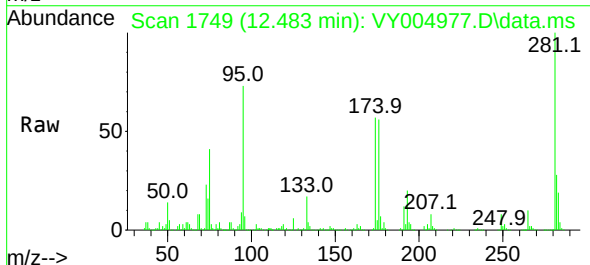
Instrument :
MSVOA_Y
ClientSampleId :
18-B12(14-18)

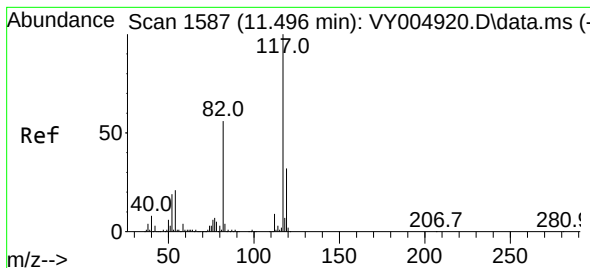
Tgt Ion: 98 Resp: 381288
Ion Ratio Lower Upper
98 100
100 64.3 51.8 77.6



#62
4-Bromofluorobenzene
Concen: 43.811 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY004977.D
Acq: 04 Jun 2021 20:09

Tgt Ion: 95 Resp: 105100
Ion Ratio Lower Upper
95 100
174 79.1 0.0 160.8
176 78.2 0.0 155.6

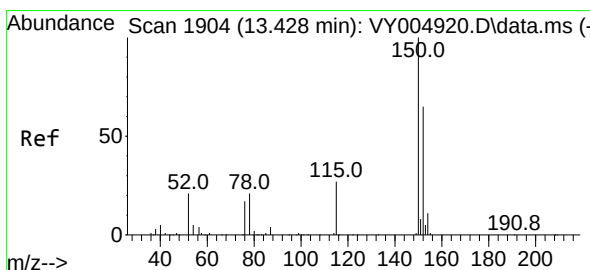
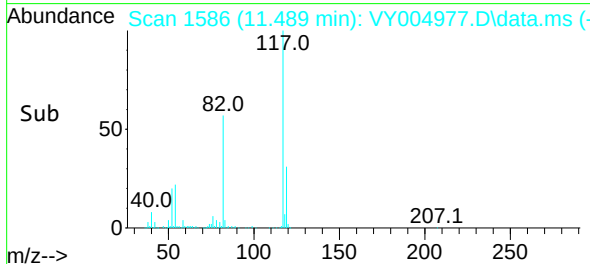
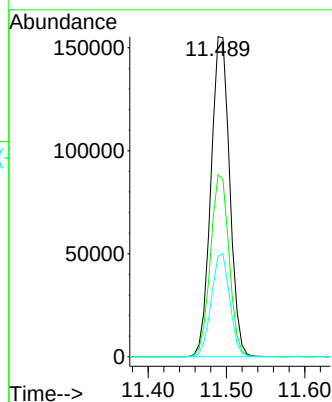
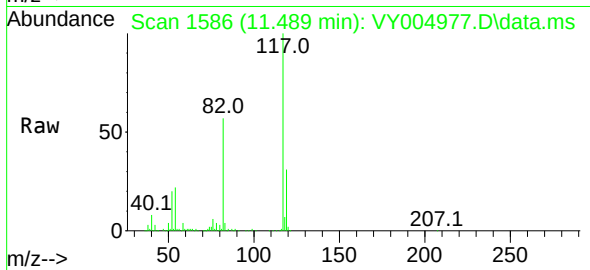




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.006 min
Lab File: VY004977.D
Acq: 04 Jun 2021 20:09

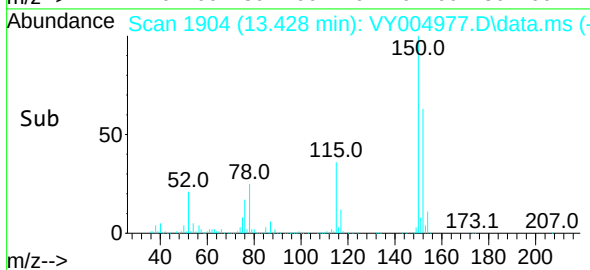
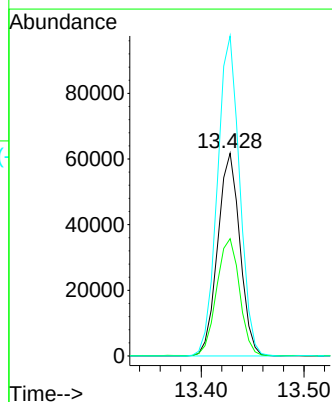
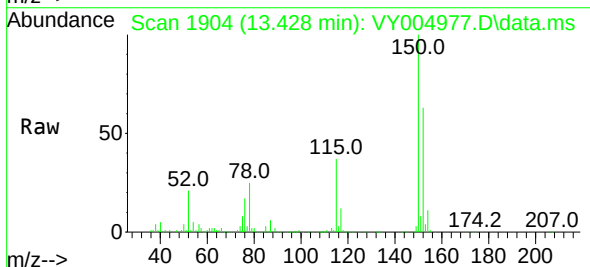
Instrument :
MSVOA_Y
ClientSampleId :
18-B12(14-18)

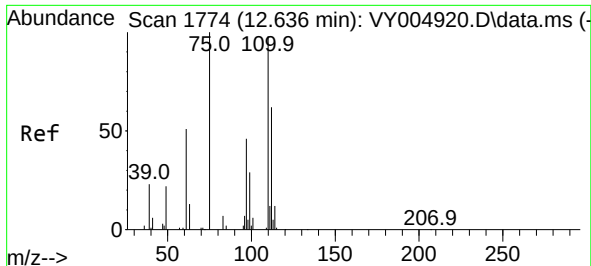
Tgt Ion:117 Resp: 257952
Ion Ratio Lower Upper
117 100
82 56.8 44.8 67.2
119 31.5 25.2 37.8



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY004977.D
Acq: 04 Jun 2021 20:09

Tgt Ion:152 Resp: 92614
Ion Ratio Lower Upper
152 100
115 59.6 29.9 89.7
150 157.7 0.0 347.8

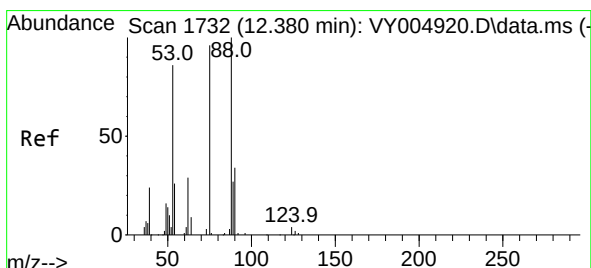
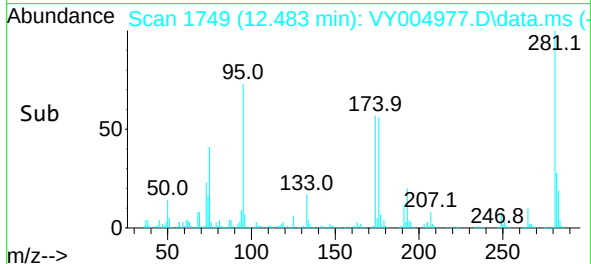
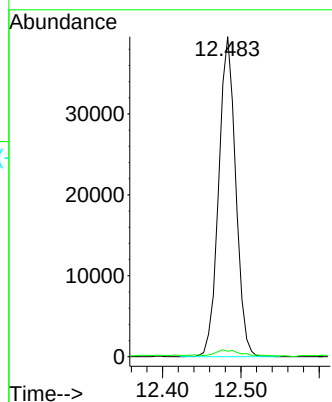
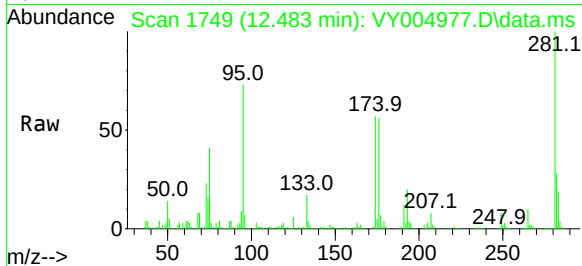




#76
1,2,3-Trichloropropane
Concen: 58.977 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY004977.D
Acq: 04 Jun 2021 20:09

Instrument :
MSVOA_Y
ClientSampleId :
18-B12(14-18)

Tgt Ion: 75 Resp: 59875
Ion Ratio Lower Upper
75 100
77 3.7 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 108.386 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY004977.D
Acq: 04 Jun 2021 20:09

Tgt Ion: 75 Resp: 59875
Ion Ratio Lower Upper
75 100
53 0.1 69.3 103.9#
89 3.2 35.0 52.6#

