

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032221\
 Data File : VY004162.D
 Acq On : 22 Mar 2021 14:31
 Operator : SY/MD
 Sample : M1749-01RE
 Misc : 5.05g/5mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Mar 23 01:10:24 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)

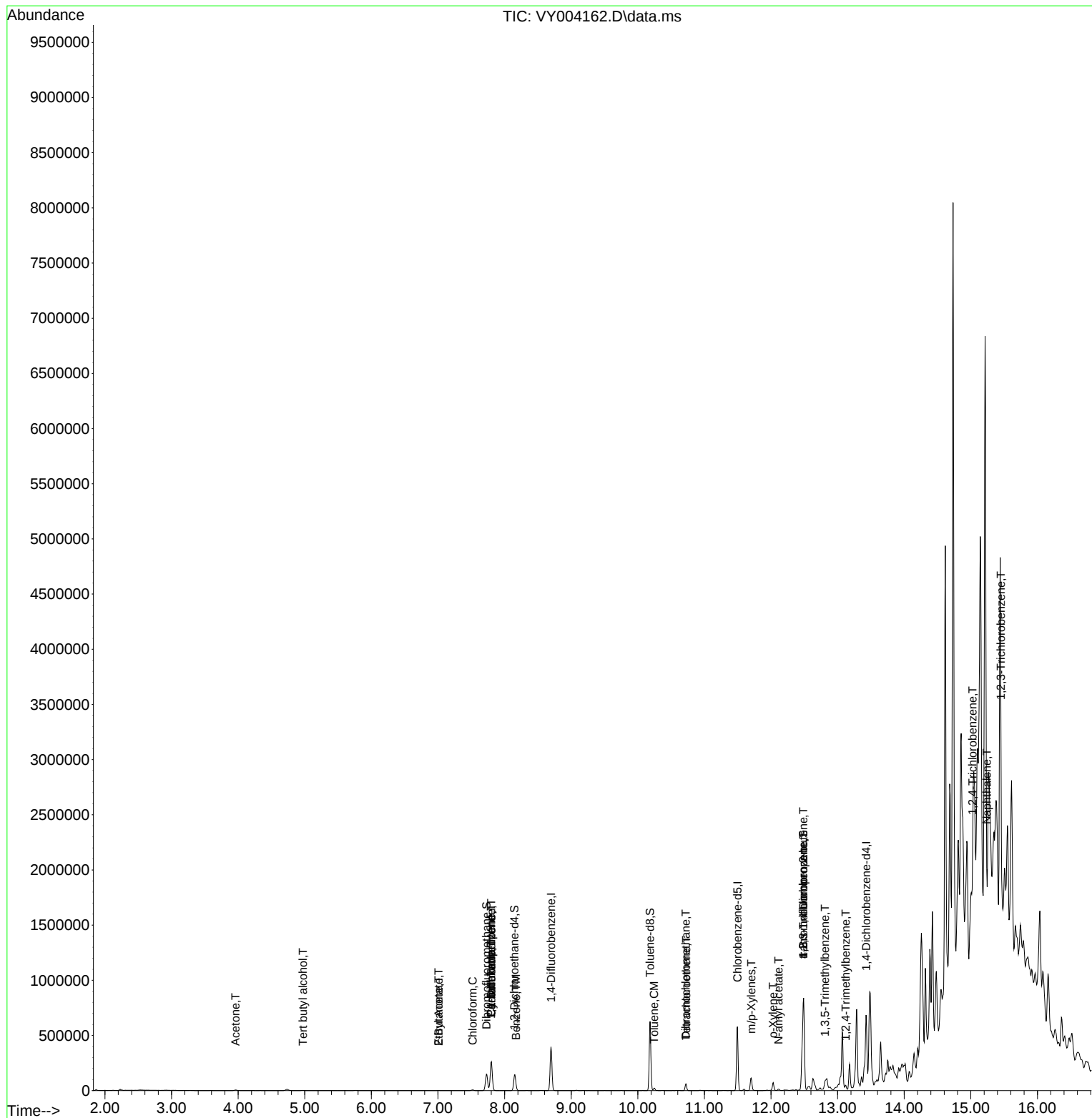
Internal Standards						
1) Pentafluorobenzene	7.801	168	205211	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	339320	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	318676	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	153104	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	110329	54.48	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.96%			
35) Dibromofluoromethane	7.728	113	103907	54.30	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.60%			
50) Toluene-d8	10.185	98	399992	53.32	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 106.64%			
62) 4-Bromofluorobenzene	12.483	95	145825	52.63	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 105.26%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.119	50	985	Below Cal	#	86
11) Tert butyl alcohol	4.972	59	4258	23.26	ug/l	100
16) Acetone	3.960	43	10619	21.72	ug/l	91
20) Methylene Chloride	4.741	84	9166	Below Cal		88
25) 2-Butanone	7.009	43	2526	3.58	ug/l #	82
30) Chloroform	7.521	83	6684	1.84	ug/l	92
31) Cyclohexane	7.801	56	4321	1.22	ug/l #	16
36) 1,1-Dichloropropene	7.795	75	14672	4.92	ug/l #	50
37) Ethyl Acetate	7.009	43	2526	1.57	ug/l #	70
38) Carbon Tetrachloride	7.801	117	20027	6.33	ug/l #	16
40) Benzene	8.173	78	8426	1.00	ug/l	91
52) Toluene	10.246	92	9223	1.70	ug/l	98
60) Dibromochloromethane	10.721	129	11725	5.54	ug/l #	10
64) Tetrachloroethene	10.727	164	12580	4.72	ug/l	94
68) m/p-Xylenes	11.703	106	34662	8.11	ug/l	93
69) o-Xylene	12.032	106	18081	4.47	ug/l	95
74) N-amyl acetate	12.111	43	3685	1.21	ug/l #	63
76) 1,2,3-Trichloropropane	12.483	75	78737	53.63	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.812	105	11219	1.24	ug/l	94
81) trans-1,4-Dichloro-2-b...	12.483	75	78737	105.85	ug/l #	14
84) 1,2,4-Trimethylbenzene	13.123	105	20746	2.30	ug/l	98
93) 1,2,4-Trichlorobenzene	15.025	180	4729	1.66	ug/l #	1
95) Naphthalene	15.239	128	34918	6.17	ug/l #	1
96) 1,2,3-Trichlorobenzene	15.452	180	27951	11.65	ug/l #	12

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

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ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :

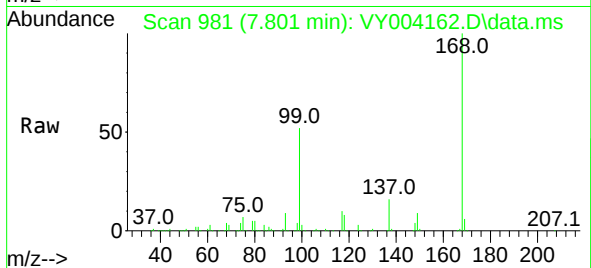
Quant Time: Mar 23 01:10:24 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030821S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 08 12:28:55 2021
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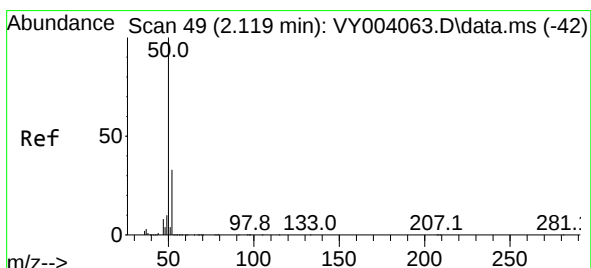
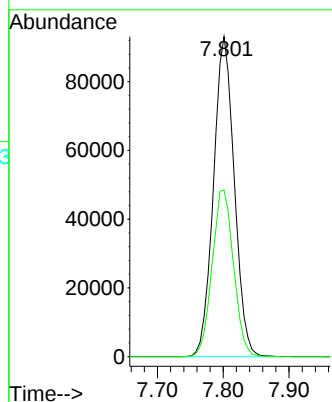
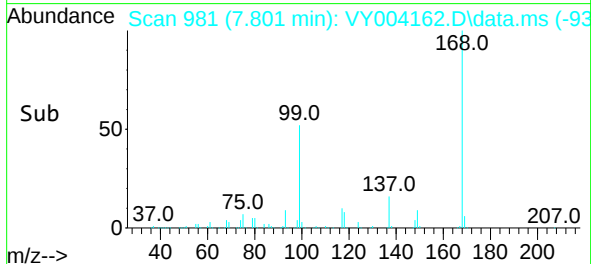


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY004162.D
Acq: 22 Mar 2021 14:31

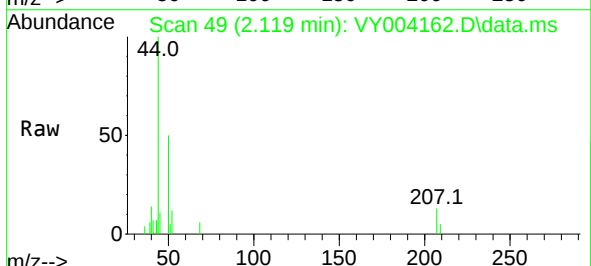
Instrument :
MSVOA_Y
ClientSampled :



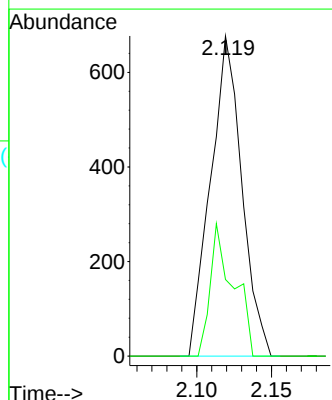
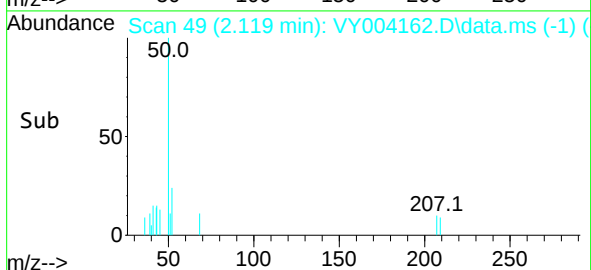
Tgt Ion:168 Resp: 205211
Ion Ratio Lower Upper
168 100
99 52.1 41.2 61.8

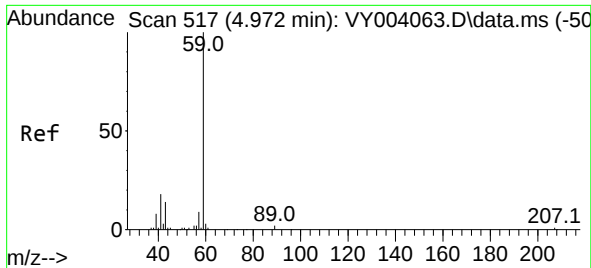


#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.000 min
Lab File: VY004162.D
Acq: 22 Mar 2021 14:31



Tgt Ion: 50 Resp: 985
Ion Ratio Lower Upper
50 100
52 23.9 25.4 38.2#



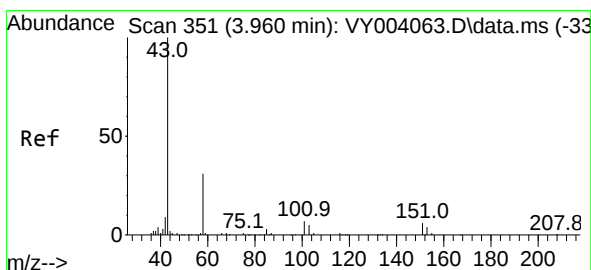
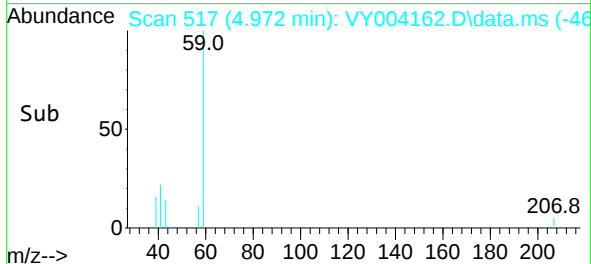
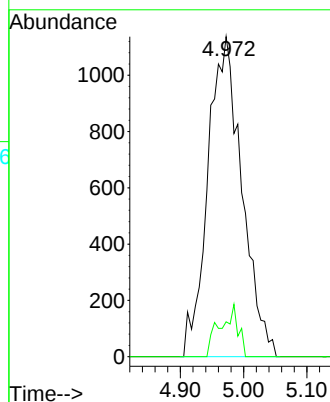
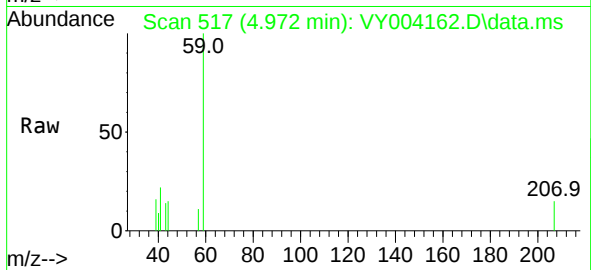


#11

Tert butyl alcohol
Concen: 23.26 ug/l
RT: 4.972 min Scan# 517
Delta R.T. 0.000 min
Lab File: VY004162.D
Acq: 22 Mar 2021 14:31

Instrument :
MSVOA_Y
ClientSampled :

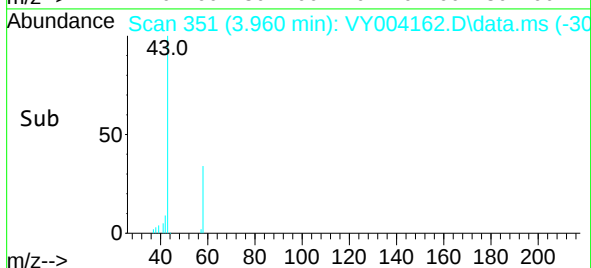
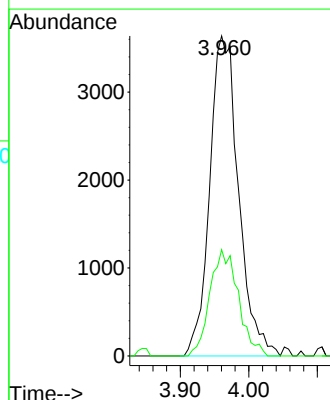
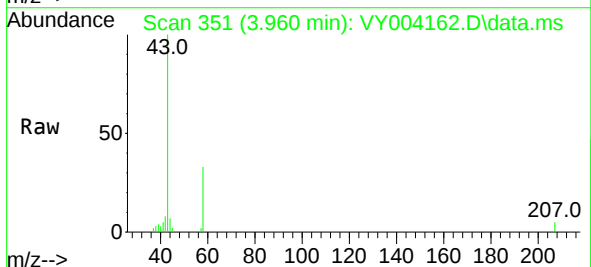
Tgt Ion: 59 Resp: 4258
Ion Ratio Lower Upper
59 100
57 8.6 6.9 10.3

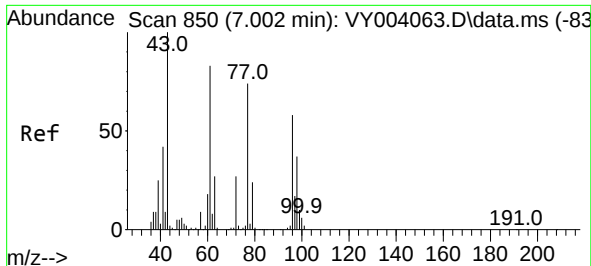


#16

Acetone
Concen: 21.72 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.000 min
Lab File: VY004162.D
Acq: 22 Mar 2021 14:31

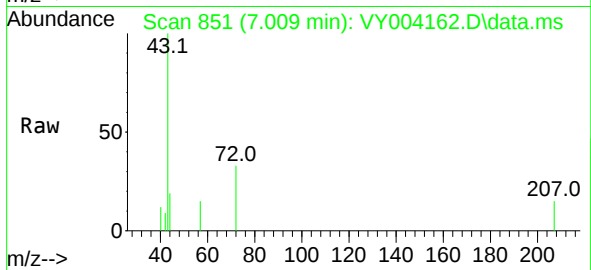
Tgt Ion: 43 Resp: 10619
Ion Ratio Lower Upper
43 100
58 33.2 22.6 34.0



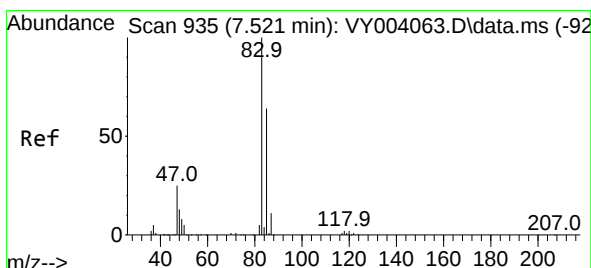
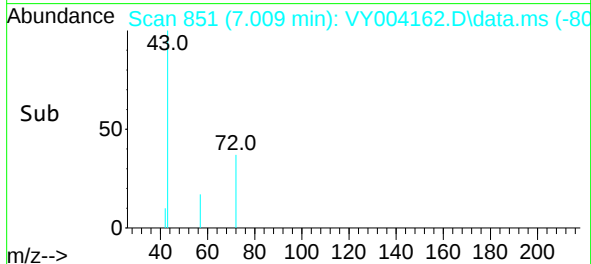
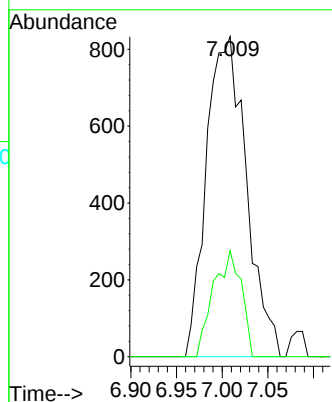


#25
2-Butanone
Concen: 3.58 ug/l
RT: 7.009 min Scan# 851
Delta R.T. 0.007 min
Lab File: VY004162.D
Acq: 22 Mar 2021 14:31

Instrument :
MSVOA_Y
ClientSampled :

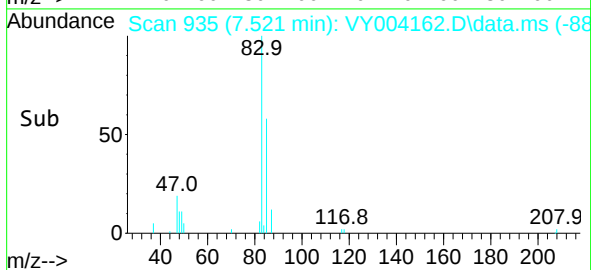
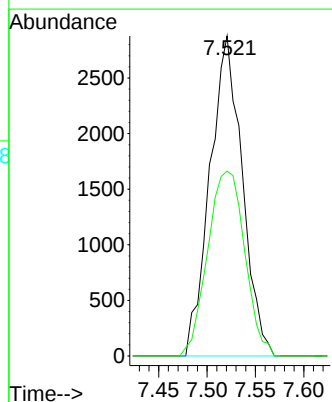
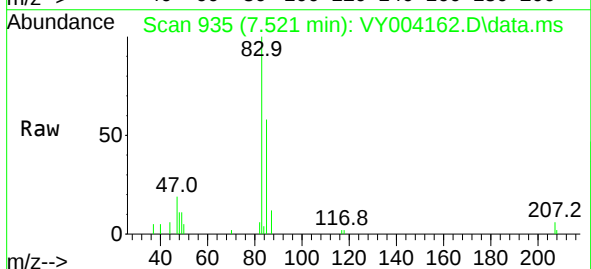


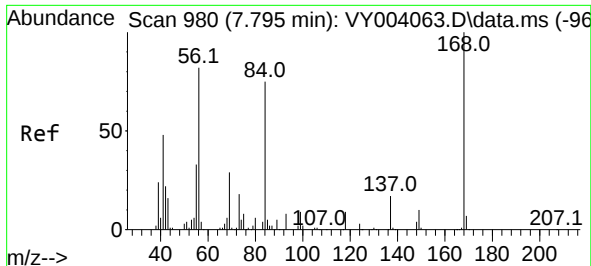
Tgt Ion: 43 Resp: 2526
Ion Ratio Lower Upper
43 100
72 33.1 19.4 29.0#



#30
Chloroform
Concen: 1.84 ug/l
RT: 7.521 min Scan# 935
Delta R.T. -0.000 min
Lab File: VY004162.D
Acq: 22 Mar 2021 14:31

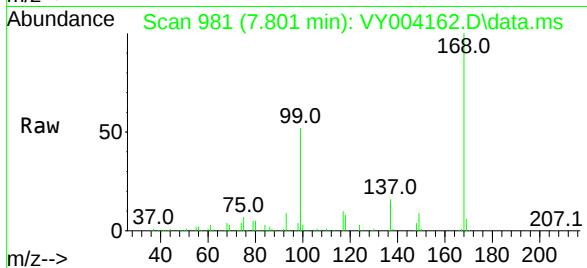
Tgt Ion: 83 Resp: 6684
Ion Ratio Lower Upper
83 100
85 57.8 51.0 76.6



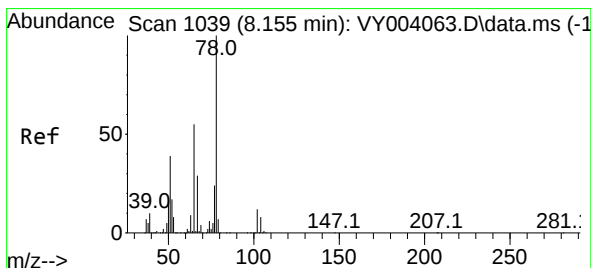
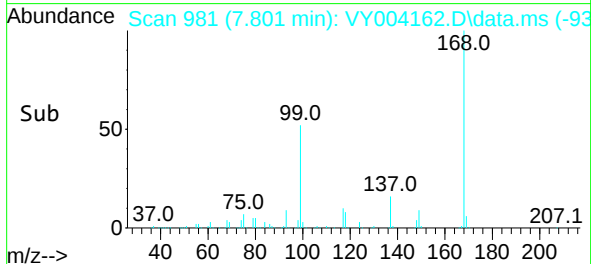
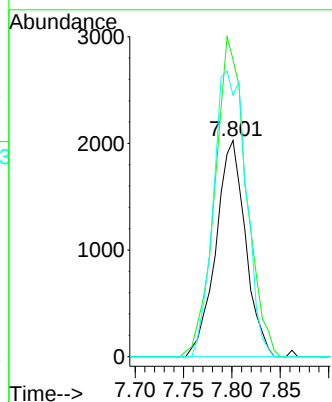


#31
Cyclohexane
Concen: 1.22 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY004162.D
Acq: 22 Mar 2021 14:31

Instrument :
MSVOA_Y
ClientSampled :

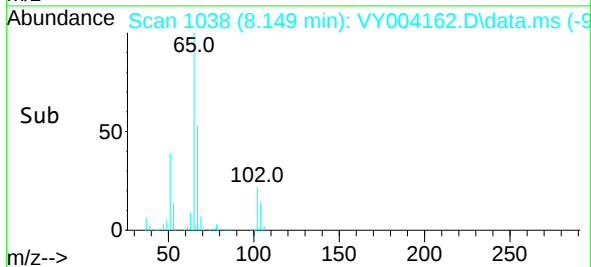
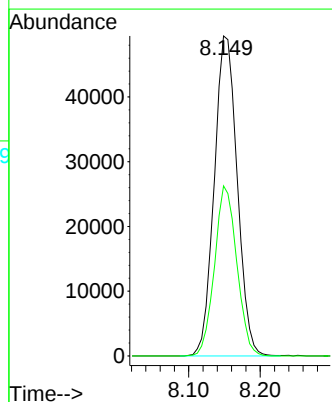
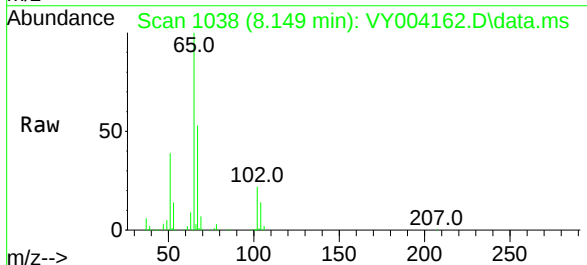


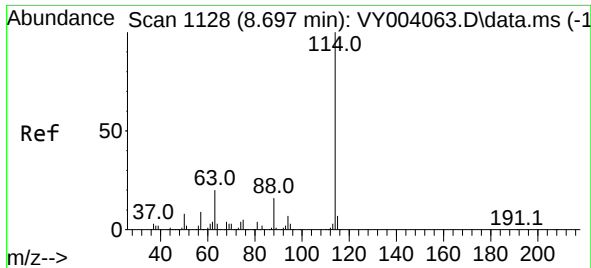
Tgt Ion: 56 Resp: 4321
Ion Ratio Lower Upper
56 100
69 137.5 25.3 37.9#
84 124.4 67.3 100.9#



#33
1,2-Dichloroethane-d4
Concen: 54.48 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.006 min
Lab File: VY004162.D
Acq: 22 Mar 2021 14:31

Tgt Ion: 65 Resp: 110329
Ion Ratio Lower Upper
65 100
67 51.4 0.0 101.4

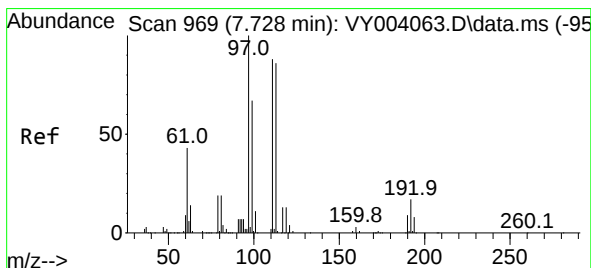
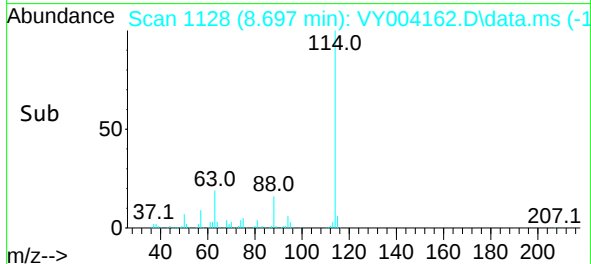
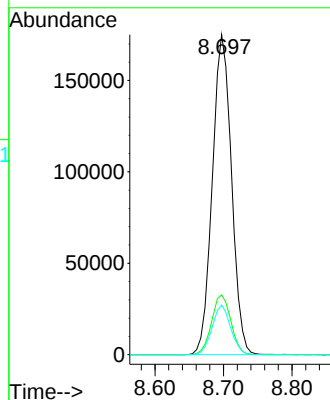
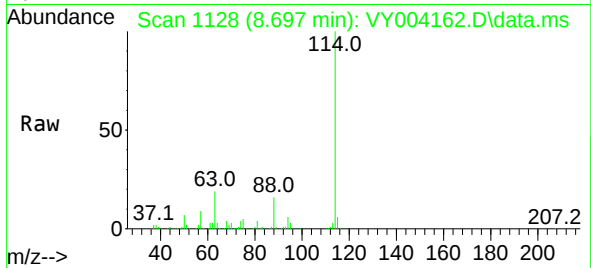




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY004162.D
Acq: 22 Mar 2021 14:31

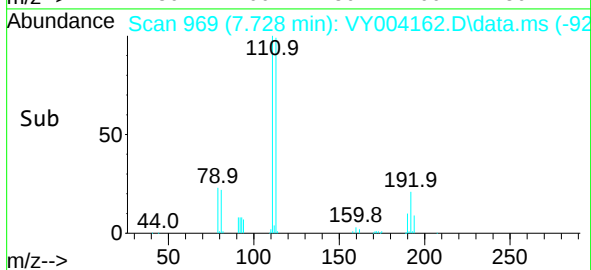
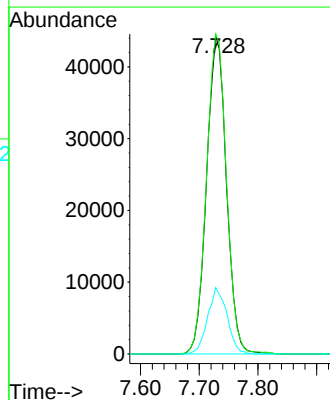
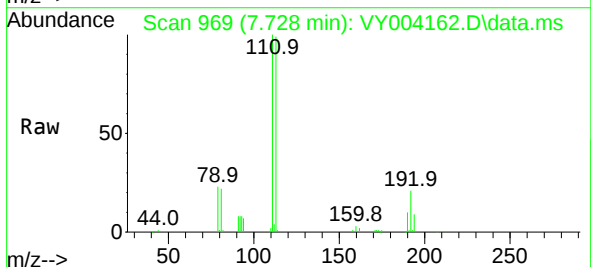
Instrument :
MSVOA_Y
ClientSampleId :

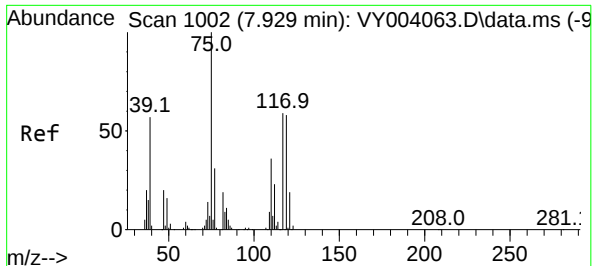
Tgt Ion:114 Resp: 339320
Ion Ratio Lower Upper
114 100
63 18.7 0.0 41.6
88 15.5 0.0 31.4



#35
Dibromofluoromethane
Concen: 54.30 ug/l
RT: 7.728 min Scan# 969
Delta R.T. -0.000 min
Lab File: VY004162.D
Acq: 22 Mar 2021 14:31

Tgt Ion:113 Resp: 103907
Ion Ratio Lower Upper
113 100
111 101.8 83.2 124.8
192 20.4 18.5 27.7





#36

1,1-Dichloropropene

Concen: 4.92 ug/l

RT: 7.795 min Scan# 980

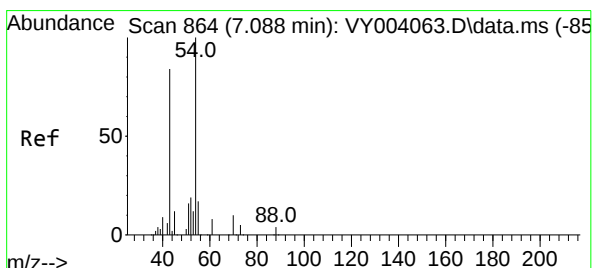
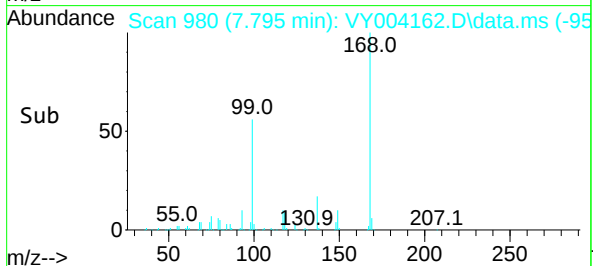
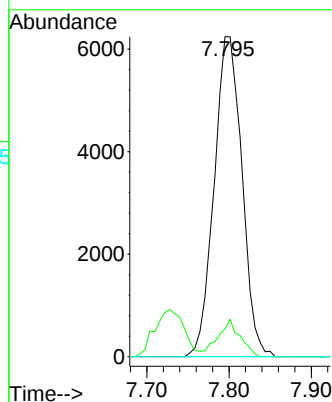
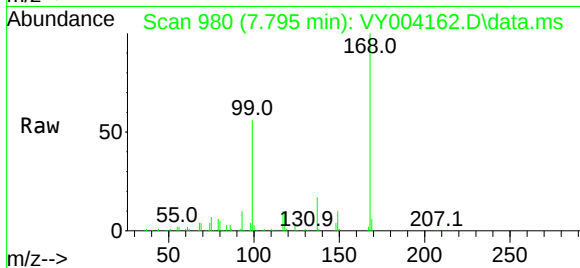
Delta R.T. -0.134 min

Lab File: VY004162.D

Acq: 22 Mar 2021 14:31

Tgt Ion: 75	Resp: 14672
Ion Ratio	Lower Upper
75 100	
110 9.3	17.4 52.3#
77 0.0	24.5 36.7#

Instrument :
MSVOA_Y
ClientSampled :



#37

Ethyl Acetate

Concen: 1.57 ug/l

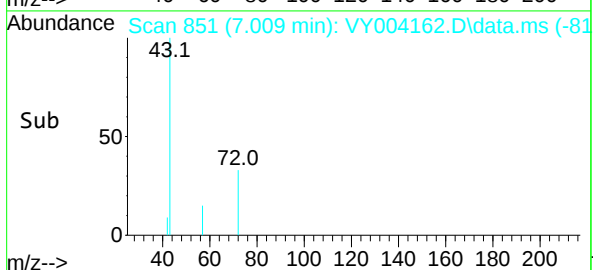
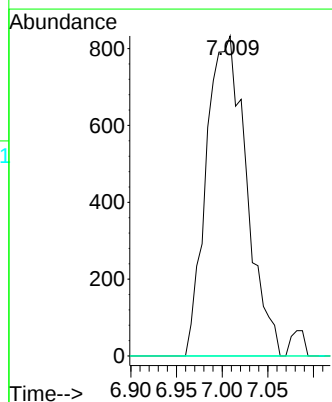
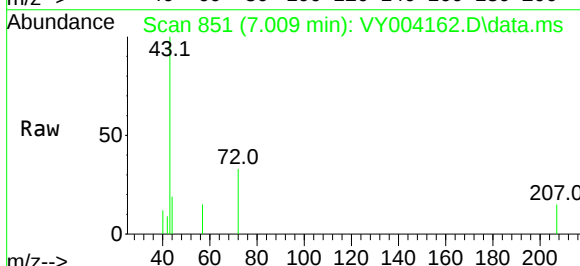
RT: 7.009 min Scan# 851

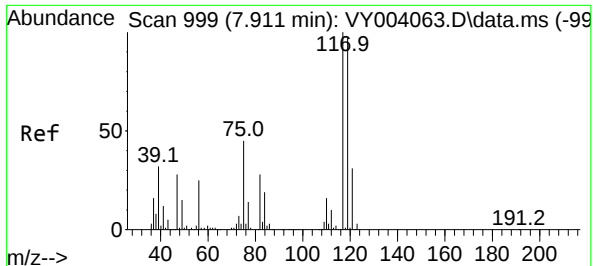
Delta R.T. -0.079 min

Lab File: VY004162.D

Acq: 22 Mar 2021 14:31

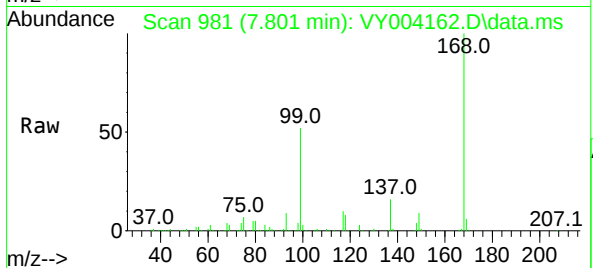
Tgt Ion: 43	Resp: 2526
Ion Ratio	Lower Upper
43 100	
61 0.0	10.7 16.1#
70 0.0	7.7 11.5#



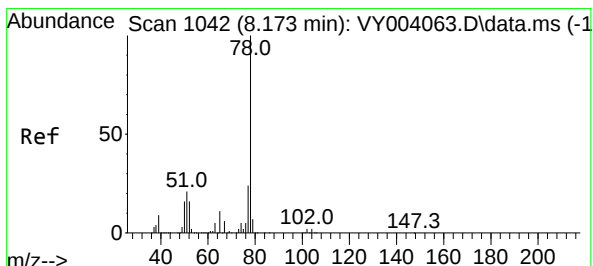
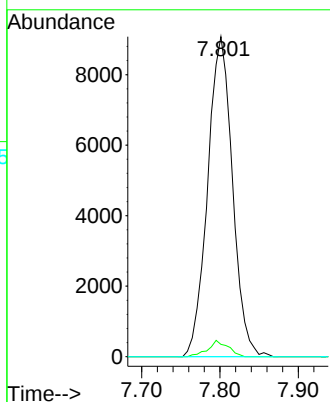
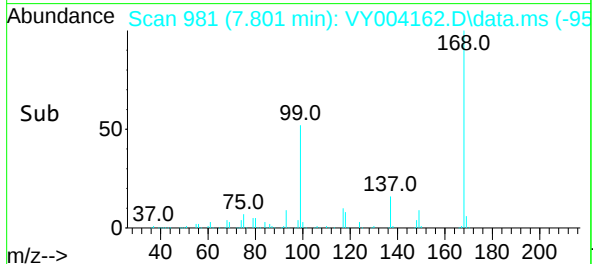


#38
Carbon Tetrachloride
Concen: 6.33 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.110 min
Lab File: VY004162.D
Acq: 22 Mar 2021 14:31

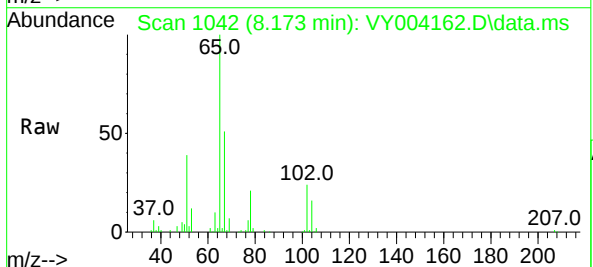
Instrument :
MSVOA_Y
ClientSampled :



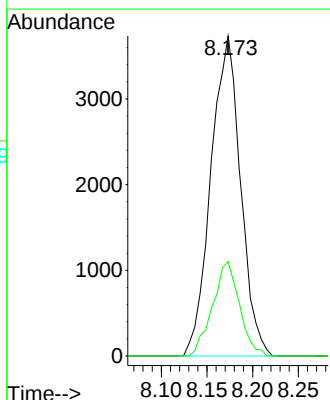
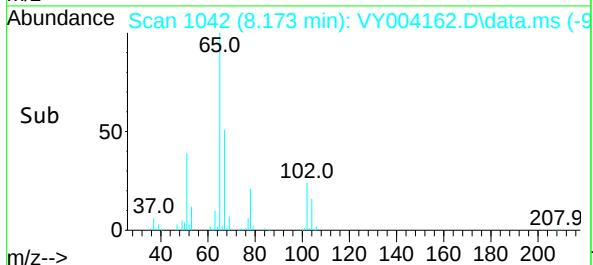
Tgt Ion:117 Resp: 20027
Ion Ratio Lower Upper
117 100
119 3.8 75.4 113.0#
121 0.0 24.2 36.2#

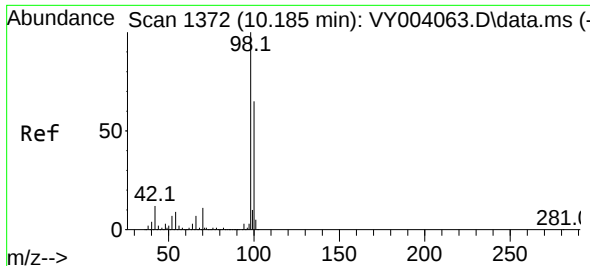


#40
Benzene
Concen: 1.00 ug/l
RT: 8.173 min Scan# 1042
Delta R.T. 0.000 min
Lab File: VY004162.D
Acq: 22 Mar 2021 14:31



Tgt Ion: 78 Resp: 8426
Ion Ratio Lower Upper
78 100
77 29.5 20.1 30.1

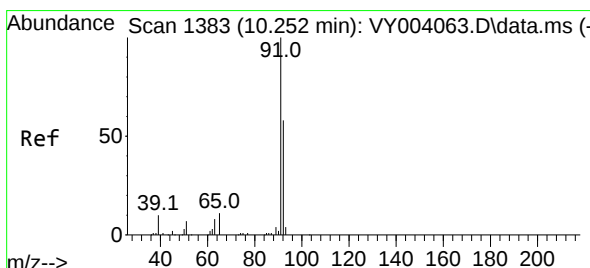
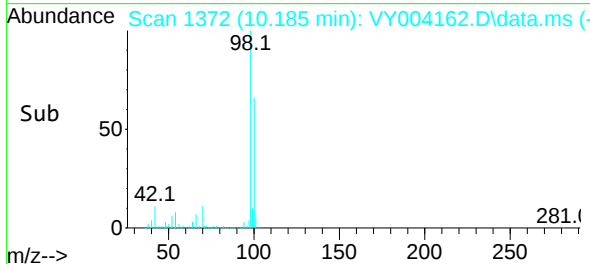
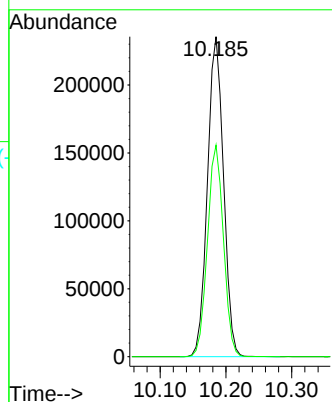
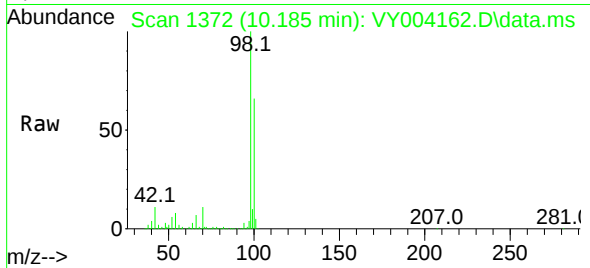




#50
Toluene-d8
Concen: 53.32 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY004162.D
Acq: 22 Mar 2021 14:31

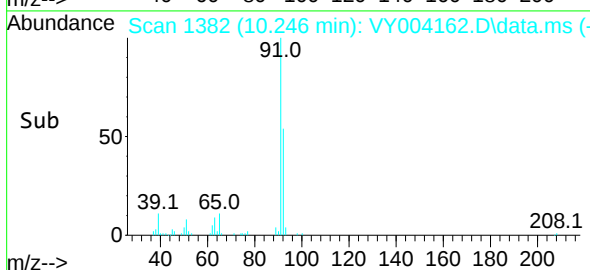
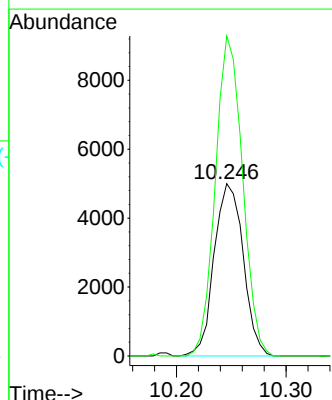
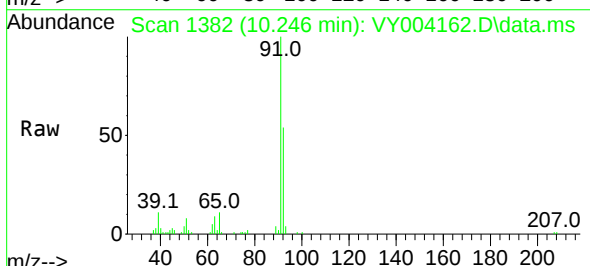
Instrument :
MSVOA_Y
ClientSampled :

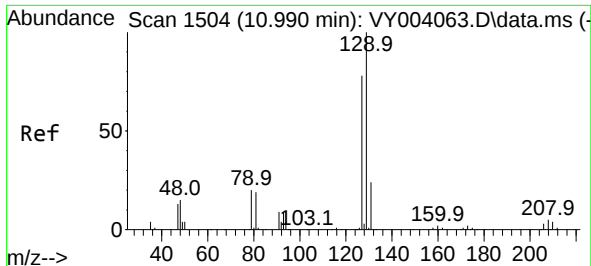
Tgt Ion: 98 Resp: 399992
Ion Ratio Lower Upper
98 100
100 65.9 51.8 77.6



#52
Toluene
Concen: 1.70 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. -0.006 min
Lab File: VY004162.D
Acq: 22 Mar 2021 14:31

Tgt Ion: 92 Resp: 9223
Ion Ratio Lower Upper
92 100
91 173.8 141.0 211.4

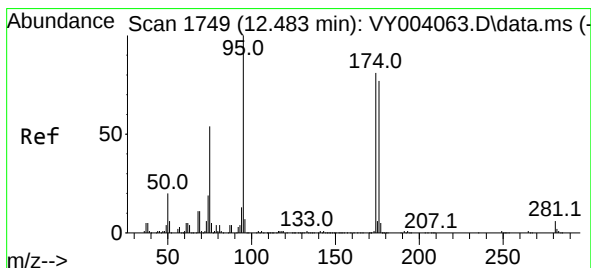
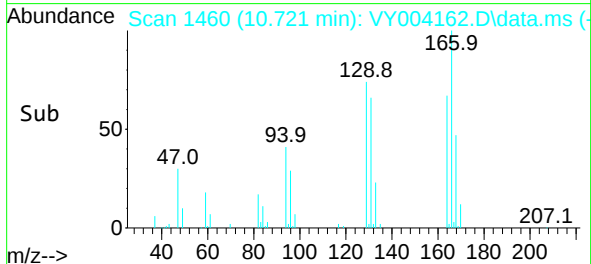
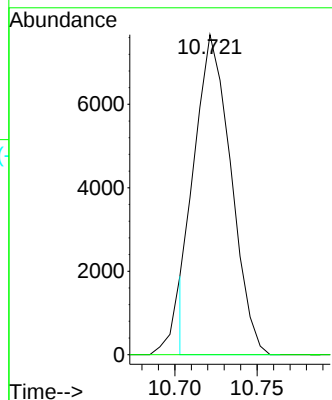
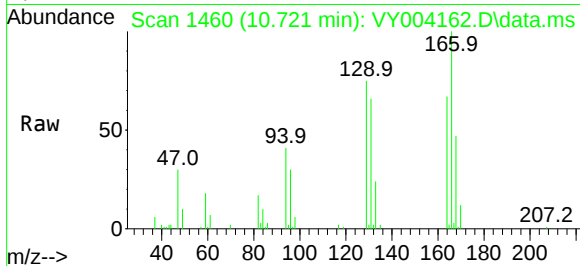




#60
Dibromochloromethane
Concen: 5.54 ug/l
RT: 10.721 min Scan# 1460
Delta R.T. -0.269 min
Lab File: VY004162.D
Acq: 22 Mar 2021 14:31

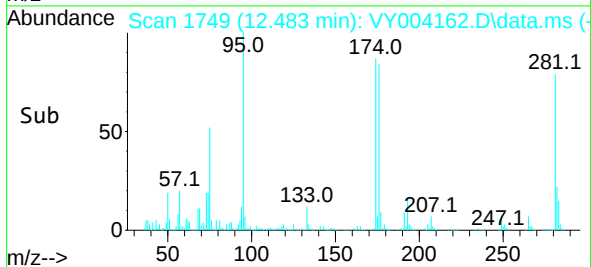
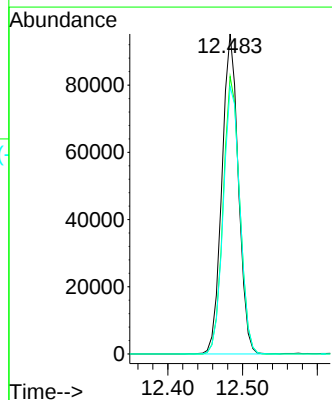
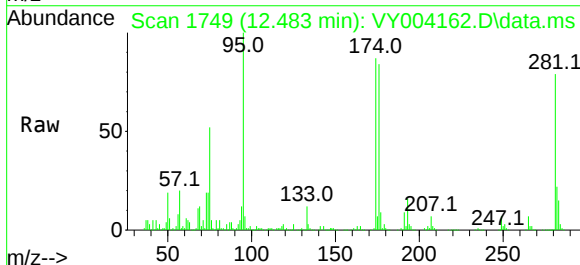
Instrument :
MSVOA_Y
ClientSampled :

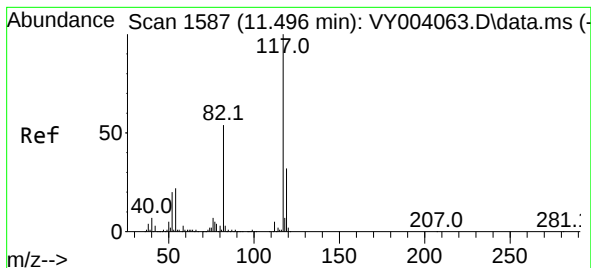
Tgt Ion:129 Resp: 11725
Ion Ratio Lower Upper
129 100
127 0.0 39.0 117.0#



#62
4-Bromofluorobenzene
Concen: 52.63 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY004162.D
Acq: 22 Mar 2021 14:31

Tgt Ion: 95 Resp: 145825
Ion Ratio Lower Upper
95 100
174 86.8 0.0 179.0
176 84.8 0.0 174.4

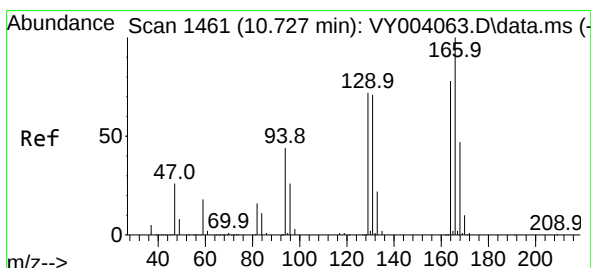
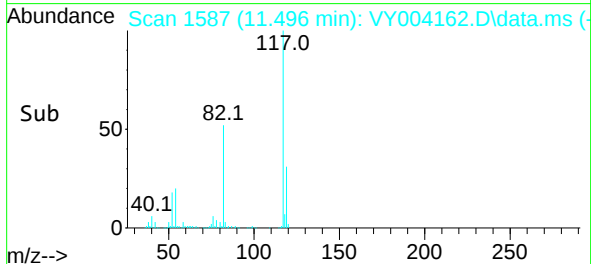
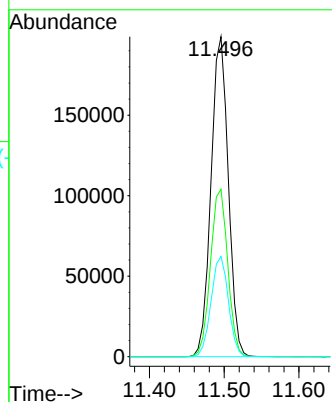
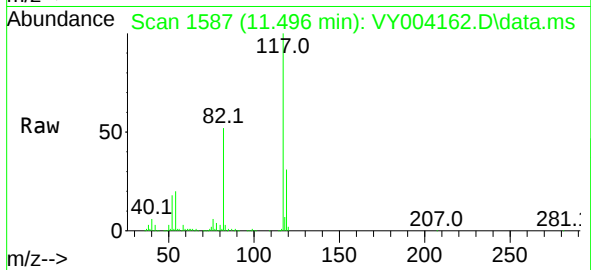




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY004162.D
Acq: 22 Mar 2021 14:31

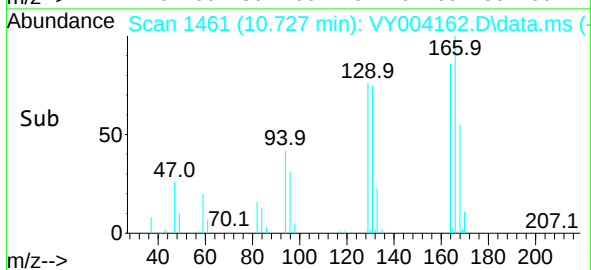
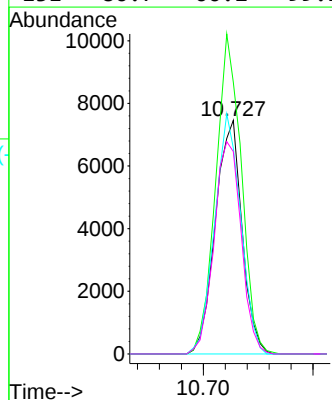
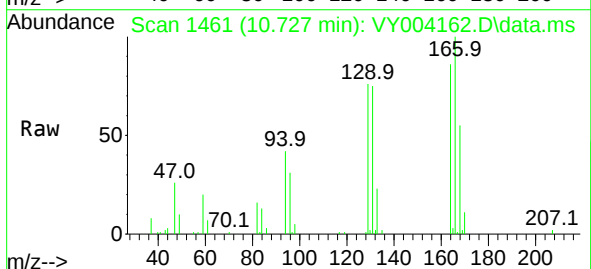
Instrument :
MSVOA_Y
ClientSampleId :

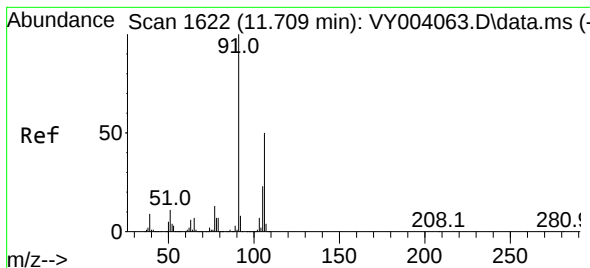
Tgt Ion:117 Resp: 318676
Ion Ratio Lower Upper
117 100
82 52.3 43.8 65.6
119 31.4 26.2 39.2



#64
Tetrachloroethene
Concen: 4.72 ug/l
RT: 10.727 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VY004162.D
Acq: 22 Mar 2021 14:31

Tgt Ion:164 Resp: 12580
Ion Ratio Lower Upper
164 100
166 116.3 102.7 154.1
129 88.2 70.6 105.8
131 86.7 66.2 99.2

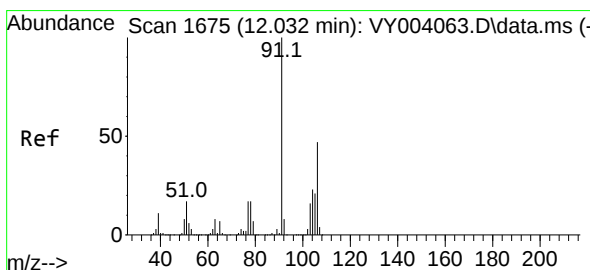
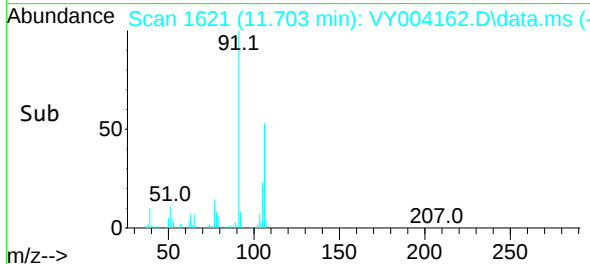
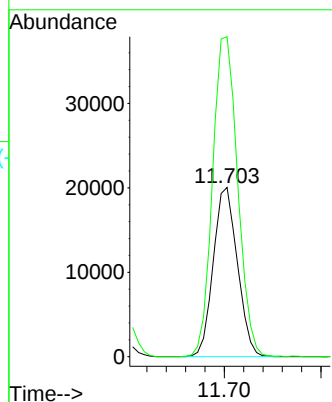
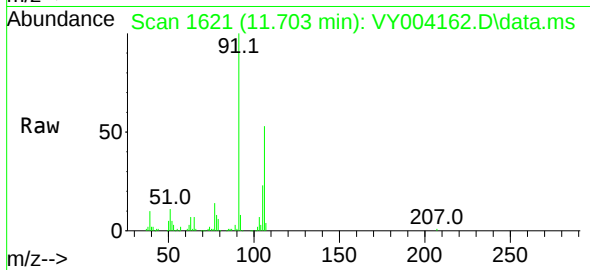




#68
m/p-Xylenes
Concen: 8.11 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. -0.006 min
Lab File: VY004162.D
Acq: 22 Mar 2021 14:31

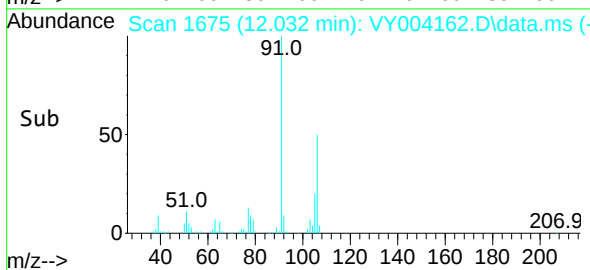
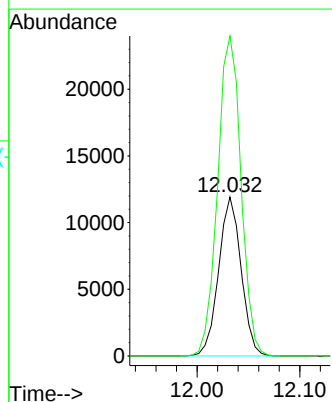
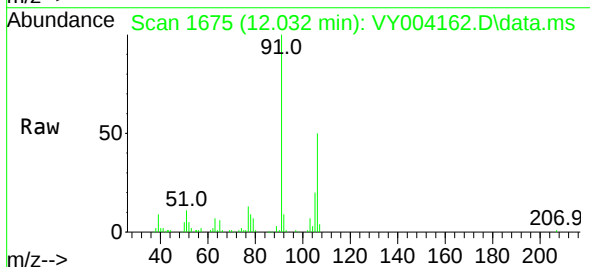
Instrument :
MSVOA_Y
ClientSampled :

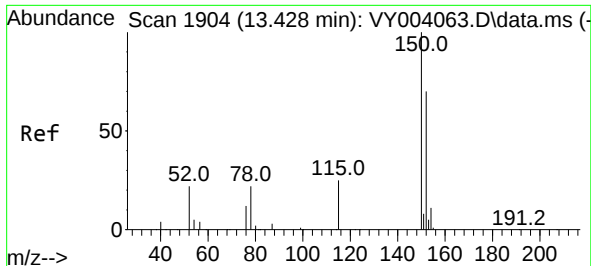
Tgt Ion:106 Resp: 34662
Ion Ratio Lower Upper
106 100
91 196.6 165.4 248.0



#69
o-Xylene
Concen: 4.47 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VY004162.D
Acq: 22 Mar 2021 14:31

Tgt Ion:106 Resp: 18081
Ion Ratio Lower Upper
106 100
91 209.4 108.9 326.7

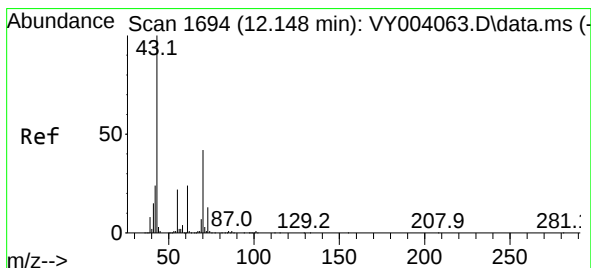
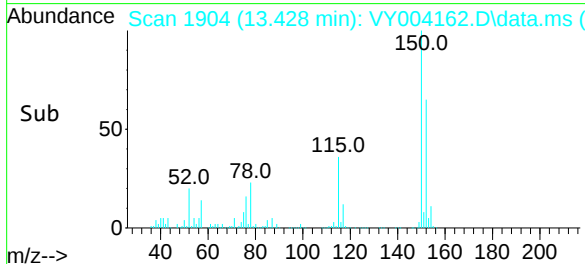
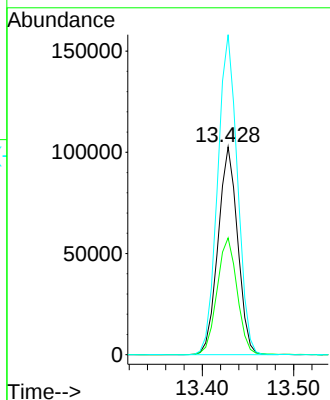
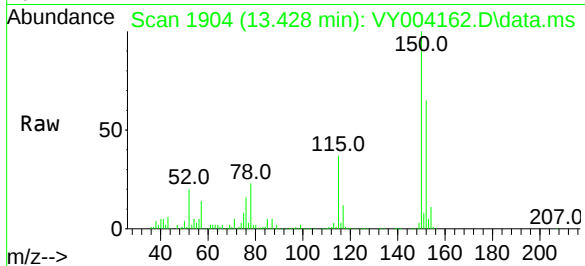




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY004162.D
Acq: 22 Mar 2021 14:31

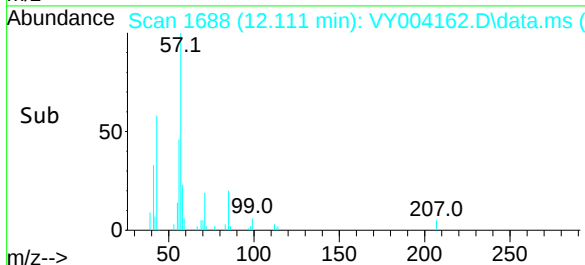
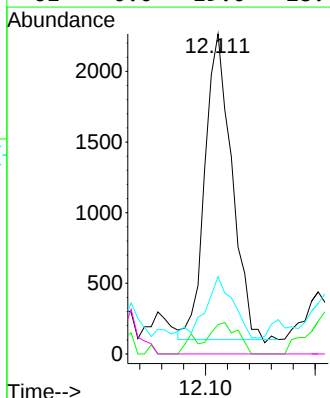
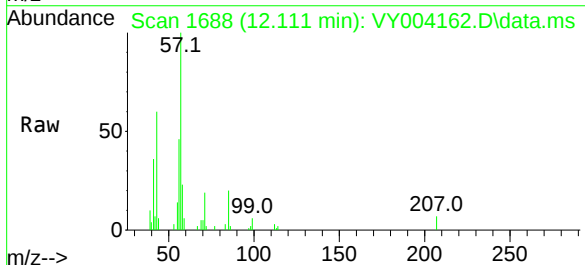
Instrument :
MSVOA_Y
ClientSampled :

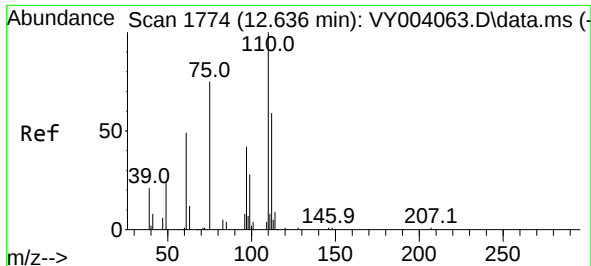
Tgt Ion:152 Resp: 153104
Ion Ratio Lower Upper
152 100
115 58.1 28.2 84.6
150 155.9 0.0 347.2



#74
N-ethyl acetate
Concen: 1.21 ug/l
RT: 12.111 min Scan# 1688
Delta R.T. -0.037 min
Lab File: VY004162.D
Acq: 22 Mar 2021 14:31

Tgt Ion: 43 Resp: 3685
Ion Ratio Lower Upper
43 100
70 10.6 32.3 48.5#
55 20.6 18.4 27.6
61 0.0 19.0 28.4#

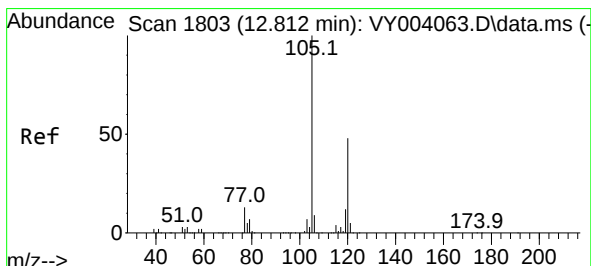
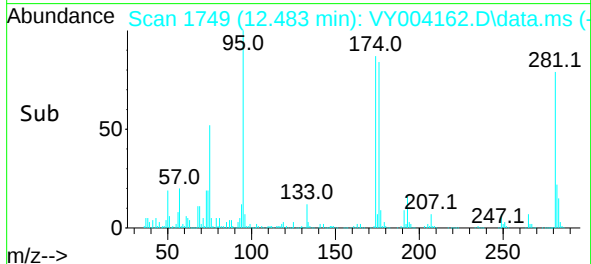
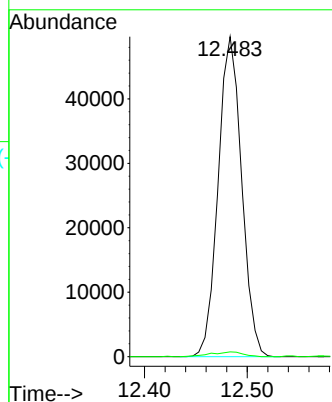
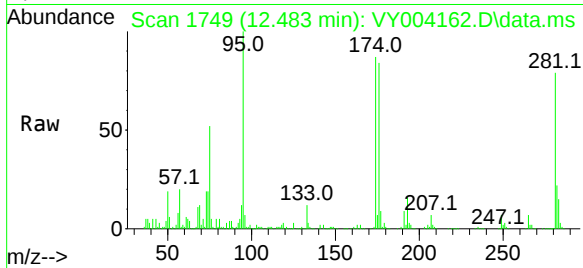




#76
1,2,3-Trichloropropane
Concen: 53.63 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY004162.D
Acq: 22 Mar 2021 14:31

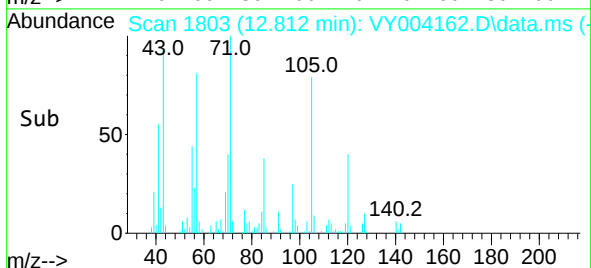
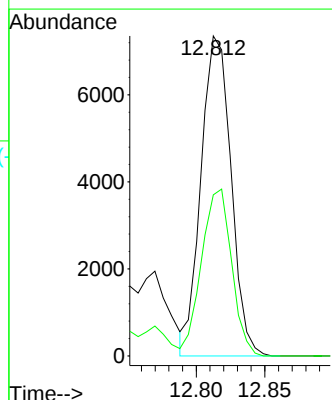
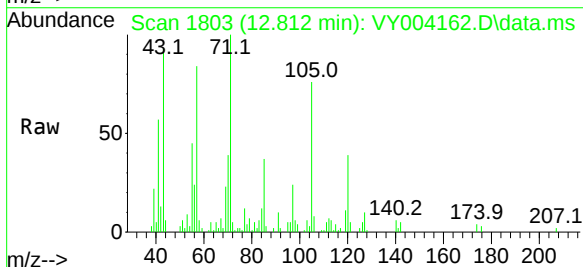
Instrument :
MSVOA_Y
ClientSampled :

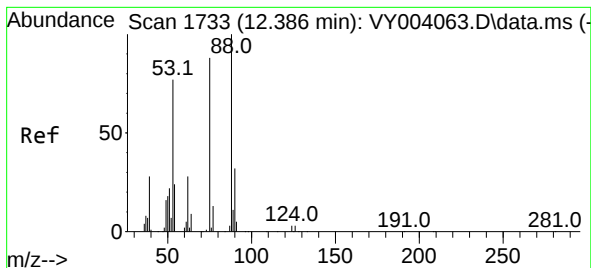
Tgt Ion: 75 Resp: 78737
Ion Ratio Lower Upper
75 100
77 2.1 0.0 0.0#



#80
1,3,5-Trimethylbenzene
Concen: 1.24 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VY004162.D
Acq: 22 Mar 2021 14:31

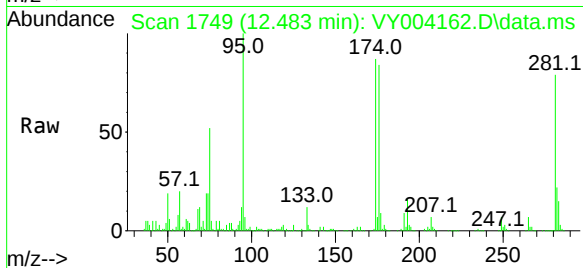
Tgt Ion:105 Resp: 11219
Ion Ratio Lower Upper
105 100
120 52.3 24.1 72.2



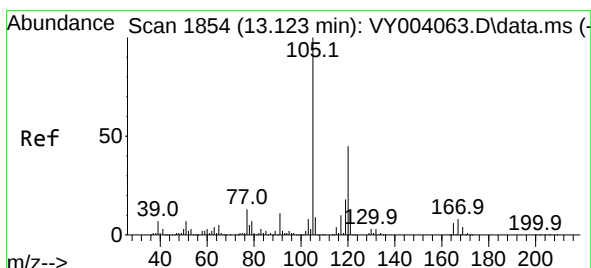
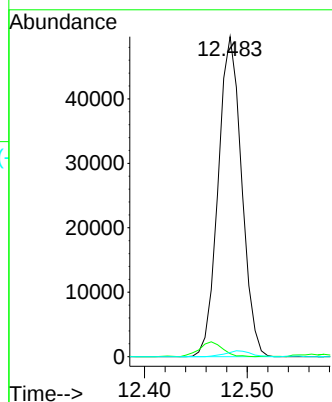
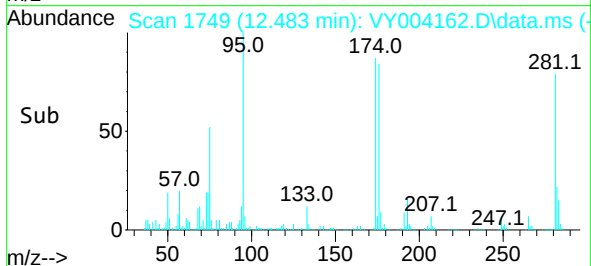


#81
trans-1,4-Dichloro-2-butene
Concen: 105.85 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.097 min
Lab File: VY004162.D
Acq: 22 Mar 2021 14:31

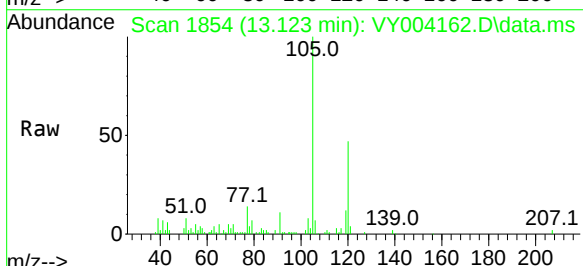
Instrument :
MSVOA_Y
ClientSampleId :



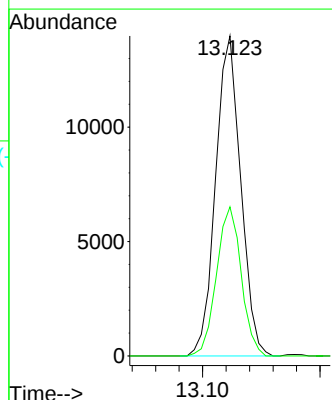
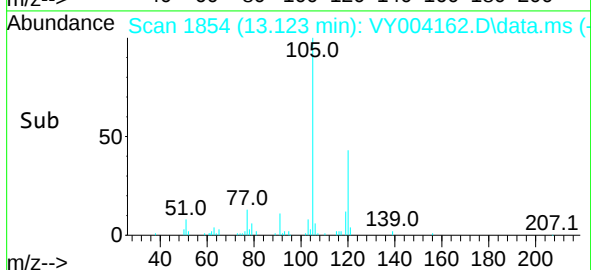
Tgt Ion: 75 Resp: 78737
Ion Ratio Lower Upper
75 100
53 0.0 73.5 110.3#
89 2.0 35.7 53.5#

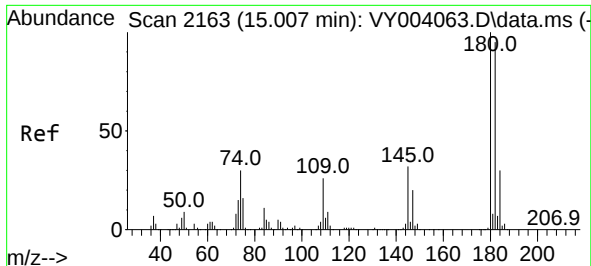


#84
1,2,4-Trimethylbenzene
Concen: 2.30 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.000 min
Lab File: VY004162.D
Acq: 22 Mar 2021 14:31



Tgt Ion: 105 Resp: 20746
Ion Ratio Lower Upper
105 100
120 45.8 22.1 66.3

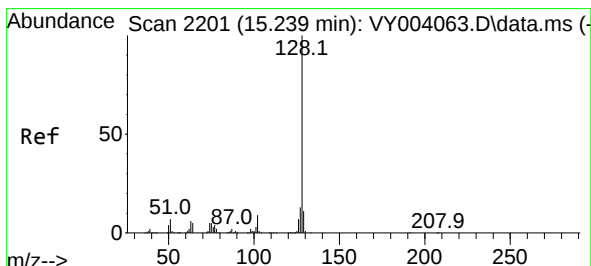
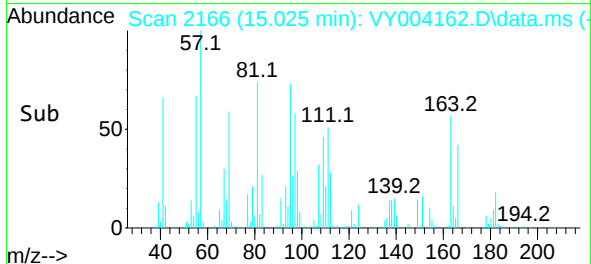
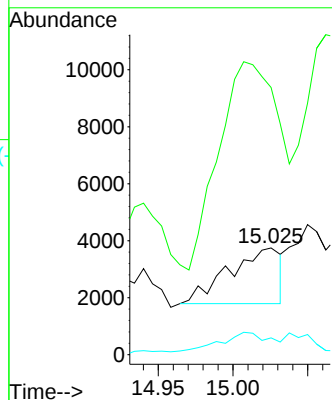
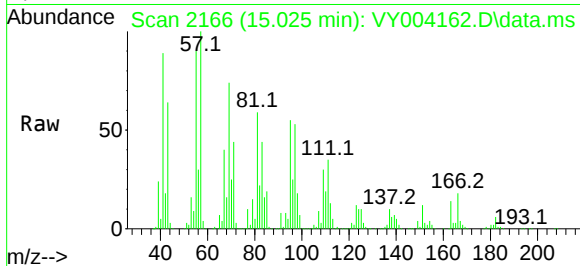




#93
1,2,4-Trichlorobenzene
Concen: 1.66 ug/l
RT: 15.025 min Scan# 2166
Delta R.T. 0.018 min
Lab File: VY004162.D
Acq: 22 Mar 2021 14:31

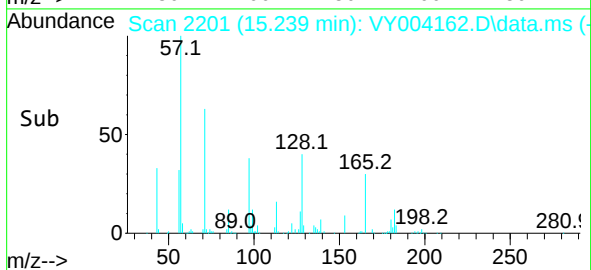
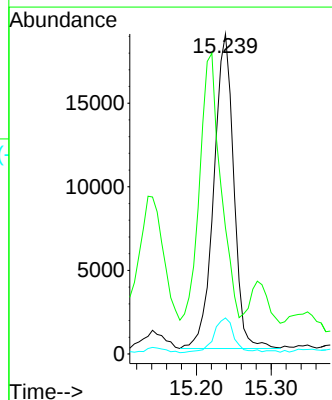
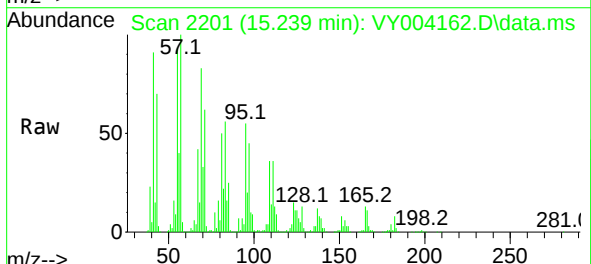
Instrument :
MSVOA_Y
ClientSampleId :

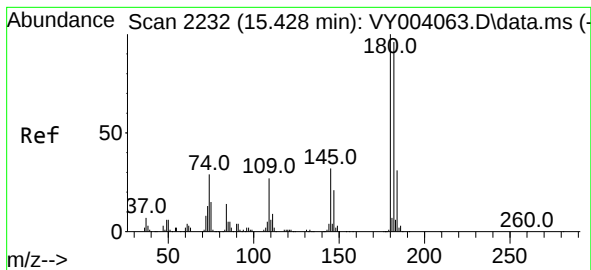
Tgt Ion:180 Resp: 4729
Ion Ratio Lower Upper
180 100
182 435.7 48.0 144.0#
145 42.2 14.1 42.2#



#95
Naphthalene
Concen: 6.17 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY004162.D
Acq: 22 Mar 2021 14:31

Tgt Ion:128 Resp: 34918
Ion Ratio Lower Upper
128 100
127 91.6 10.6 16.0#
129 11.3 8.7 13.1





#96
 1,2,3-Trichlorobenzene
 Concen: 11.65 ug/l
 RT: 15.452 min Scan# 2236
 Delta R.T. 0.024 min
 Lab File: VY004162.D
 Acq: 22 Mar 2021 14:31

Instrument :
 MSVOA_Y
 ClientSampleId :

Tgt Ion:180 Resp: 27951
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.6 142.8#
 145 0.0 15.3 45.9#

