

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY031121\
 Data File : VY004082.D
 Acq On : 11 Mar 2021 17:14
 Operator : SY/MD
 Sample : M1650-01
 Misc : 7.49g/5mL/MSVOA_Y/SOIL
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Mar 12 01:20:05 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)

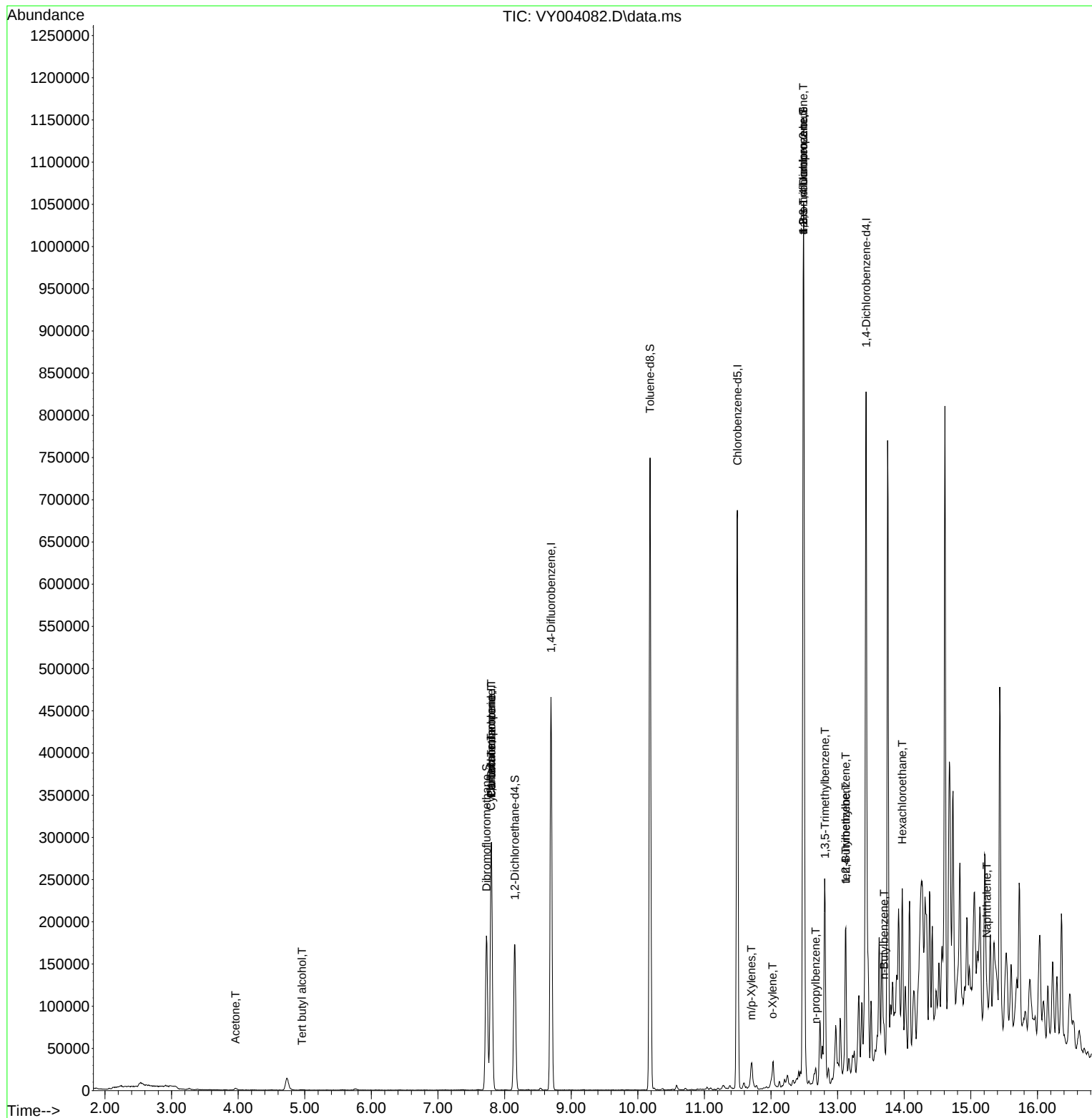
Internal Standards						
1) Pentafluorobenzene	7.801	168	233837	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	405078	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	384804	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	185993	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.155	65	137247	59.48	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 118.96%			
35) Dibromofluoromethane	7.728	113	127424	55.78	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 111.56%			
50) Toluene-d8	10.185	98	485219	54.18	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 108.36%			
62) 4-Bromofluorobenzene	12.483	95	176880	53.48	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 106.96%			
Target Compounds					Qvalue	
3) Chloromethane	2.119	50	594	Below Cal		93
11) Tert butyl alcohol	4.960	59	845	4.05 ug/l #		76
16) Acetone	3.960	43	3868	6.94 ug/l		95
20) Methylene Chloride	4.741	84	10941	Below Cal #		90
31) Cyclohexane	7.795	56	4781	1.18 ug/l #		4
36) 1,1-Dichloropropene	7.801	75	16844	4.73 ug/l #		51
38) Carbon Tetrachloride	7.801	117	22227	5.89 ug/l #		16
58) 2-Chloroethyl Vinyl ether	9.831	63	20	Below Cal #		47
68) m/p-Xylenes	11.703	106	5539	1.07 ug/l		98
69) o-Xylene	12.026	106	7484	1.53 ug/l		96
76) 1,2,3-Trichloropropane	12.483	75	97068	54.43 ug/l #		100
78) n-propylbenzene	12.672	91	15552	1.02 ug/l		100
80) 1,3,5-Trimethylbenzene	12.812	105	39936	3.64 ug/l		99
81) trans-1,4-Dichloro-2-b...	12.483	75	97068	107.42 ug/l #		14
83) tert-Butylbenzene	13.123	119	11554	1.22 ug/l #		66
84) 1,2,4-Trimethylbenzene	13.123	105	93923	8.55 ug/l		97
89) n-Butylbenzene	13.696	91	18416	1.60 ug/l #		72
90) Hexachloroethane	13.971	117	5694	2.63 ug/l #		4
95) Naphthalene	15.239	128	14902	2.17 ug/l #		80

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

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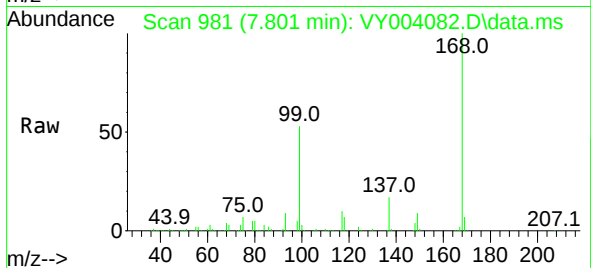
Quant Time: Mar 12 01:20:05 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030821S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 08 12:28:55 2021
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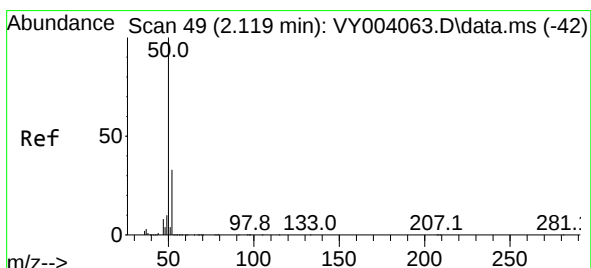
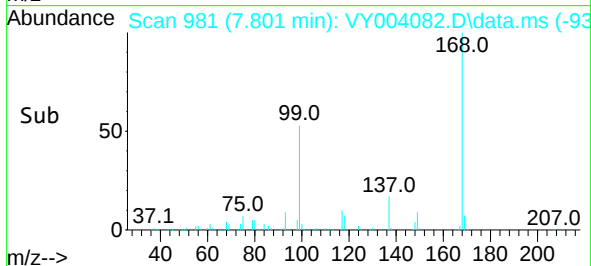
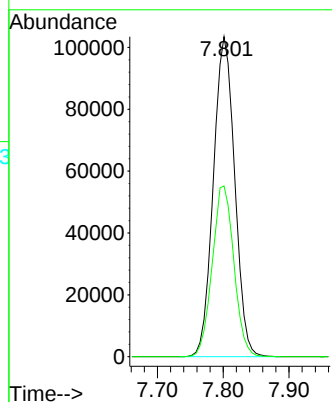


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY004082.D
Acq: 11 Mar 2021 17:14

Instrument :
MSVOA_Y
ClientSampled :

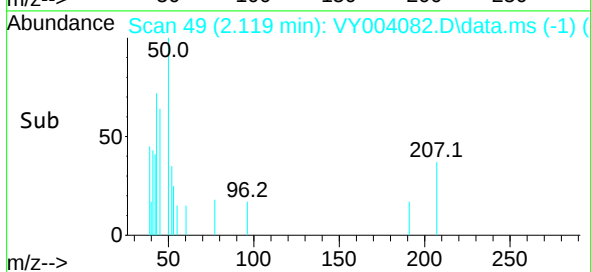
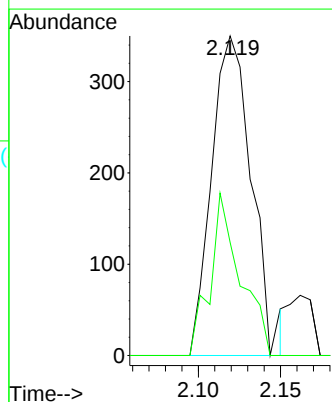
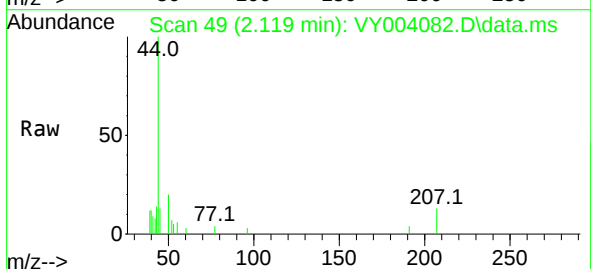


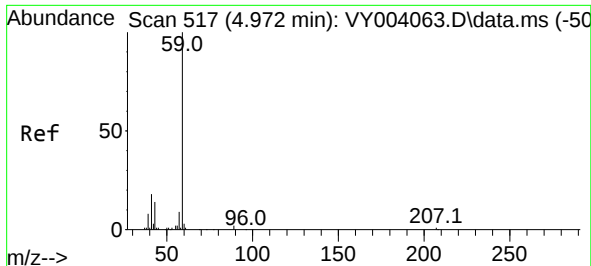
Tgt Ion:168 Resp: 233837
Ion Ratio Lower Upper
168 100
99 53.3 41.2 61.8



#3
Chloromethane
Concen: Below Cal
RT: 2.119 min Scan# 49
Delta R.T. 0.000 min
Lab File: VY004082.D
Acq: 11 Mar 2021 17:14

Tgt Ion: 50 Resp: 594
Ion Ratio Lower Upper
50 100
52 35.4 25.4 38.2



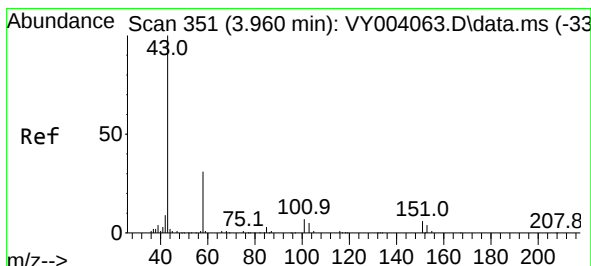
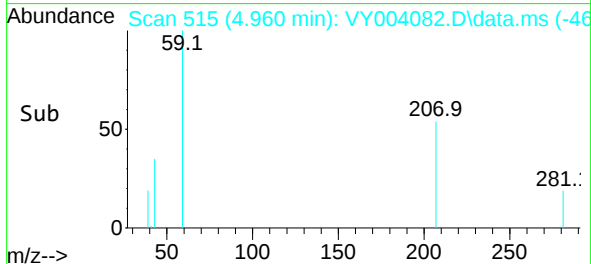
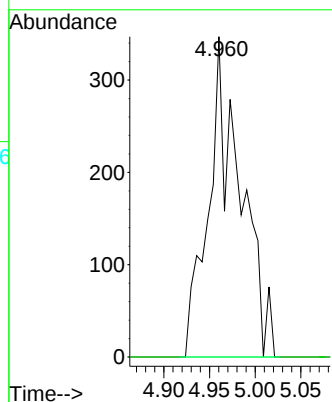
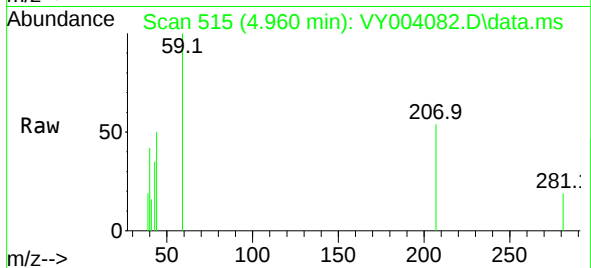


#11

Tert butyl alcohol
Concen: 4.05 ug/l
RT: 4.960 min Scan# 515
Delta R.T. -0.012 min
Lab File: VY004082.D
Acq: 11 Mar 2021 17:14

Instrument :
MSVOA_Y
ClientSampled :

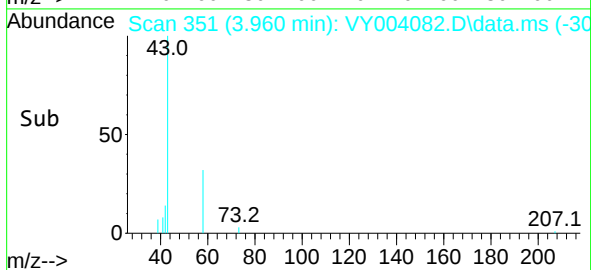
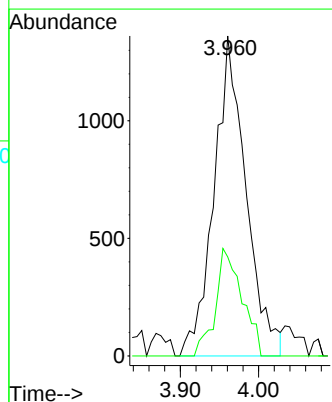
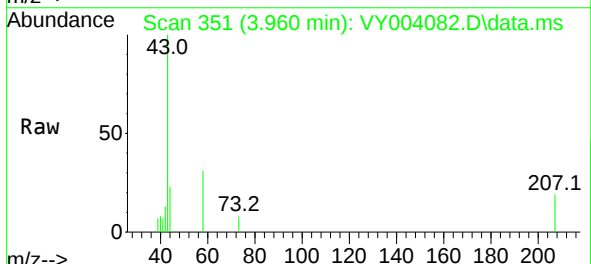
Tgt Ion: 59 Resp: 845
Ion Ratio Lower Upper
59 100
57 0.0 6.9 10.3#

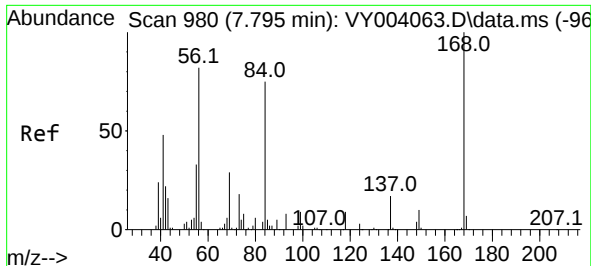


#16

Acetone
Concen: 6.94 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.000 min
Lab File: VY004082.D
Acq: 11 Mar 2021 17:14

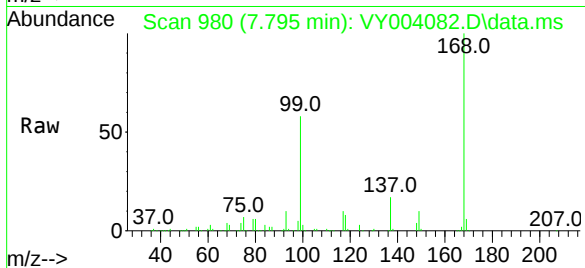
Tgt Ion: 43 Resp: 3868
Ion Ratio Lower Upper
43 100
58 30.9 22.6 34.0



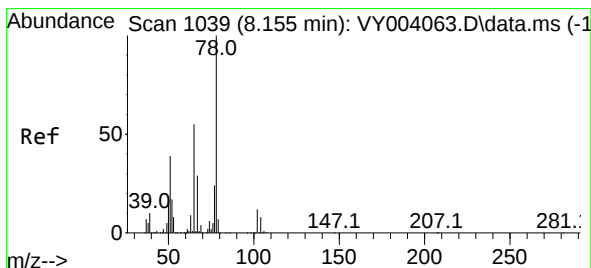
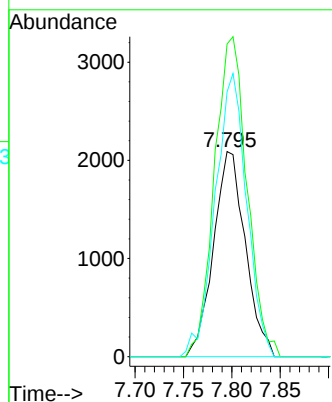
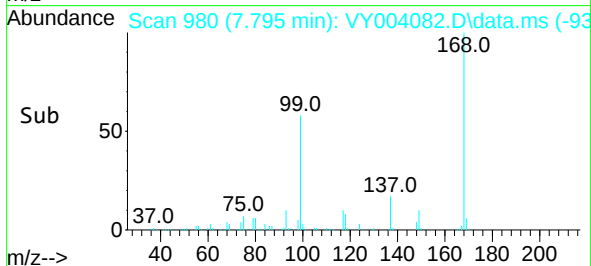


#31
Cyclohexane
Concen: 1.18 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.000 min
Lab File: VY004082.D
Acq: 11 Mar 2021 17:14

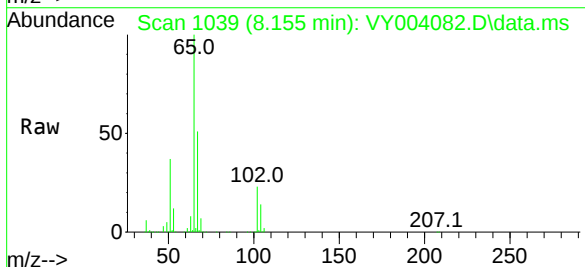
Instrument :
MSVOA_Y
ClientSampled :



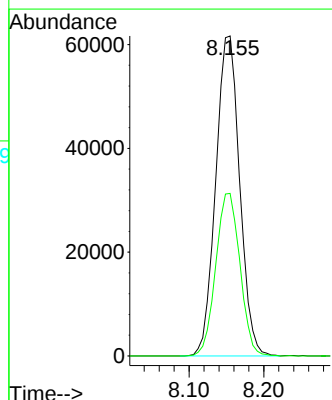
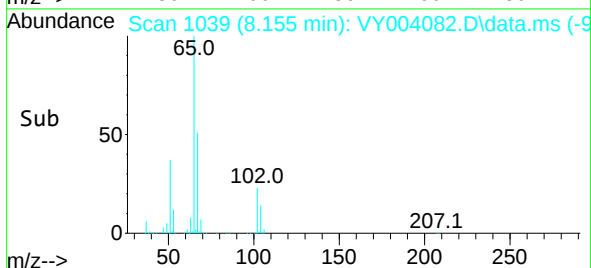
Tgt Ion: 56 Resp: 4781
Ion Ratio Lower Upper
56 100
69 152.5 25.3 37.9#
84 129.2 67.3 100.9#

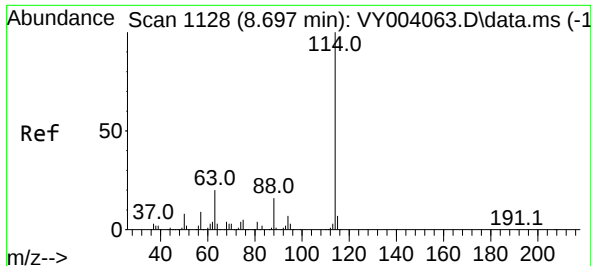


#33
1,2-Dichloroethane-d4
Concen: 59.48 ug/l
RT: 8.155 min Scan# 1039
Delta R.T. -0.000 min
Lab File: VY004082.D
Acq: 11 Mar 2021 17:14



Tgt Ion: 65 Resp: 137247
Ion Ratio Lower Upper
65 100
67 51.2 0.0 101.4

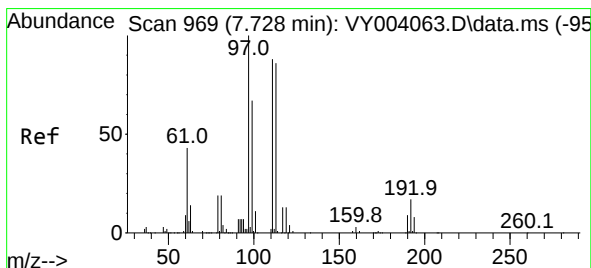
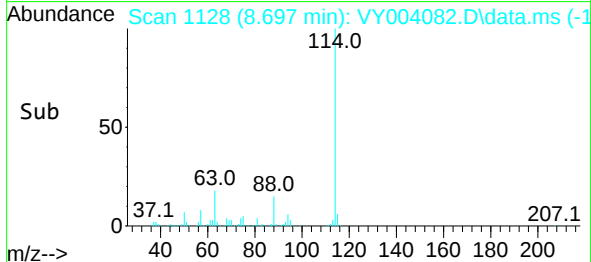
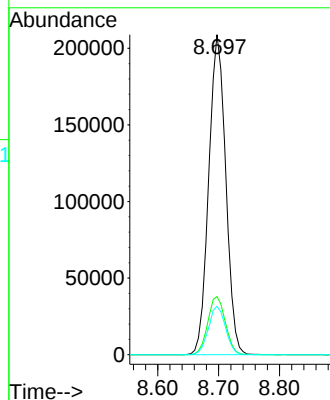
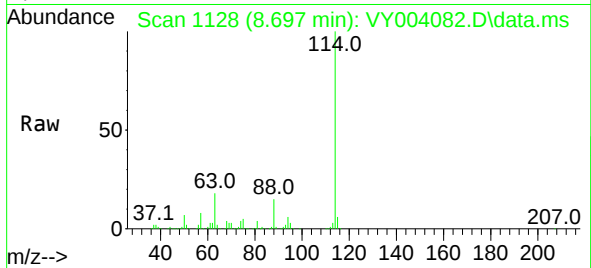




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY004082.D
Acq: 11 Mar 2021 17:14

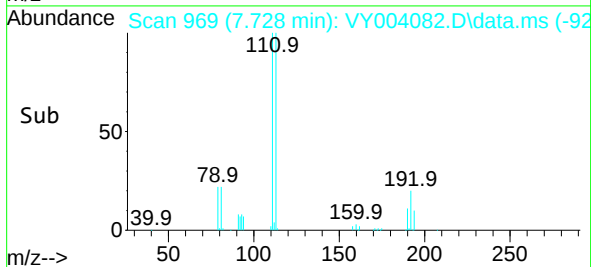
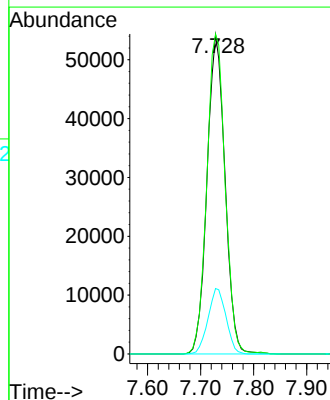
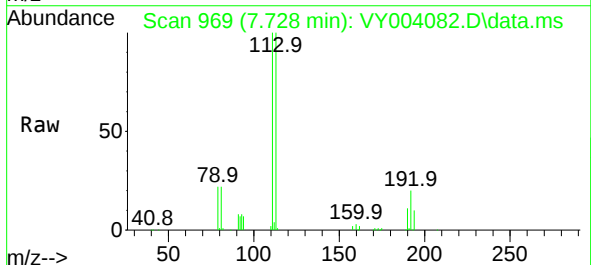
Instrument :
MSVOA_Y
ClientSampled :

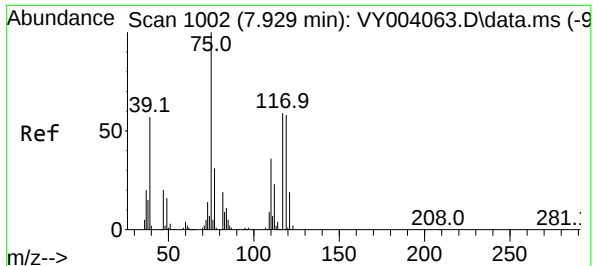
Tgt Ion:114 Resp: 405078
Ion Ratio Lower Upper
114 100
63 18.2 0.0 41.6
88 15.1 0.0 31.4



#35
Dibromofluoromethane
Concen: 55.78 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.000 min
Lab File: VY004082.D
Acq: 11 Mar 2021 17:14

Tgt Ion:113 Resp: 127424
Ion Ratio Lower Upper
113 100
111 102.3 83.2 124.8
192 20.5 18.5 27.7

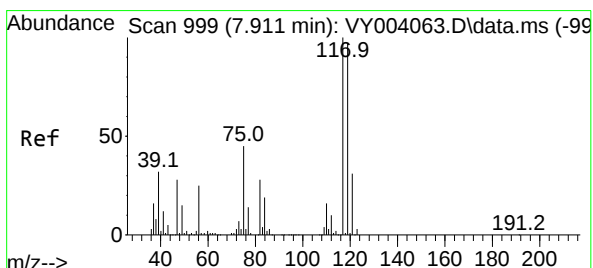
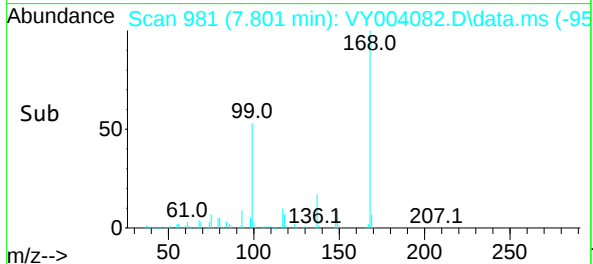
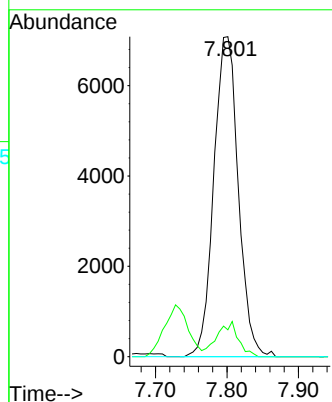
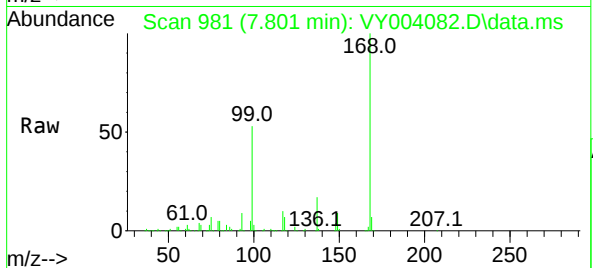




#36
1,1-Dichloropropene
Concen: 4.73 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.128 min
Lab File: VY004082.D
Acq: 11 Mar 2021 17:14

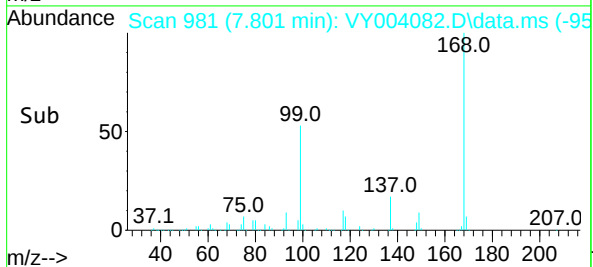
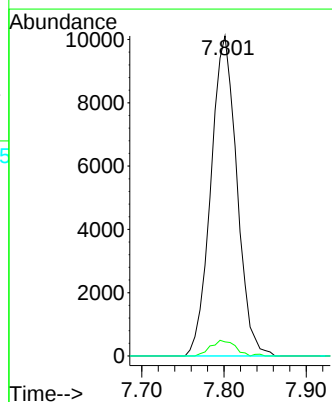
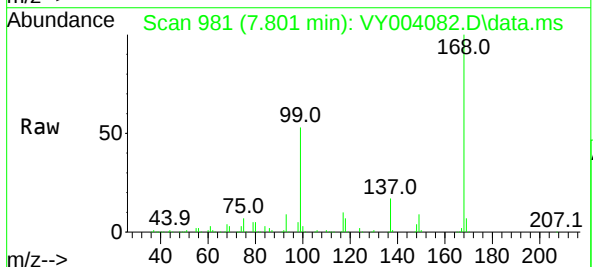
Instrument :
MSVOA_Y
ClientSampled :

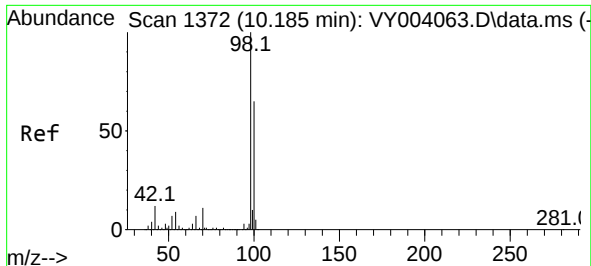
Tgt Ion: 75 Resp: 16844
Ion Ratio Lower Upper
75 100
110 9.6 17.4 52.3#
77 0.0 24.5 36.7#



#38
Carbon Tetrachloride
Concen: 5.89 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.110 min
Lab File: VY004082.D
Acq: 11 Mar 2021 17:14

Tgt Ion: 117 Resp: 22227
Ion Ratio Lower Upper
117 100
119 4.4 75.4 113.0#
121 0.0 24.2 36.2#

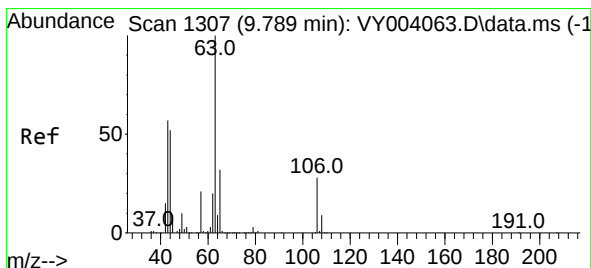
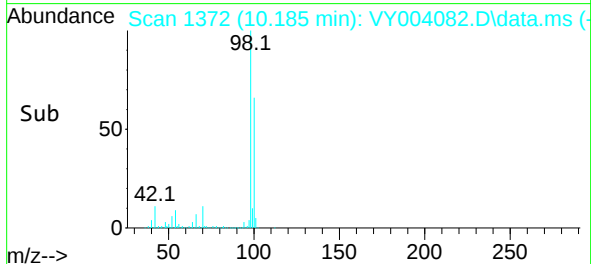
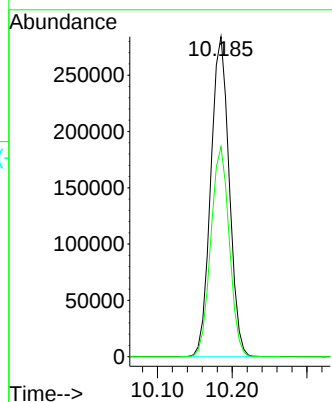
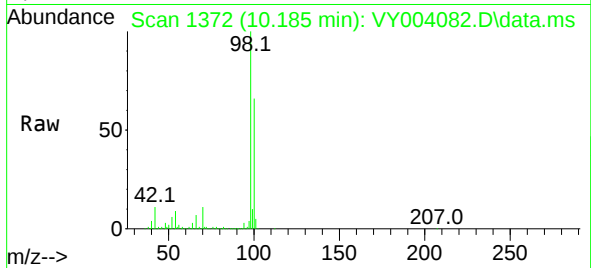




#50
Toluene-d8
Concen: 54.18 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY004082.D
Acq: 11 Mar 2021 17:14

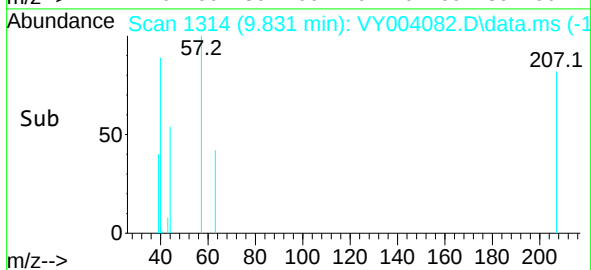
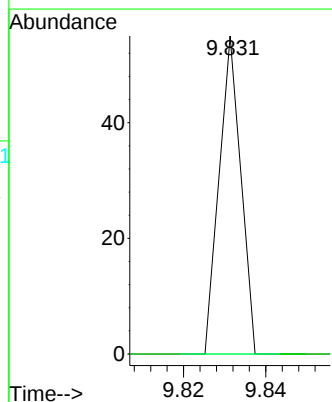
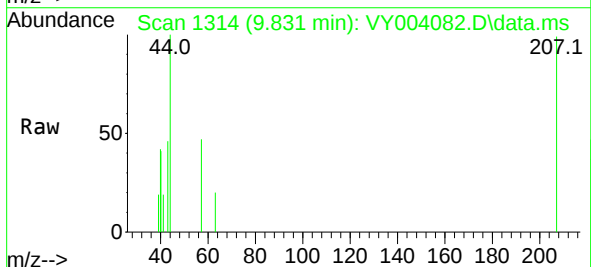
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MSVOA_Y
ClientSampled :

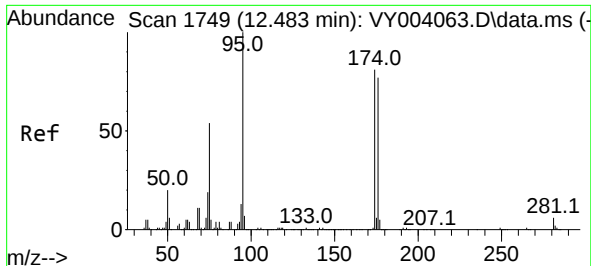
Tgt Ion: 98 Resp: 485219
Ion Ratio Lower Upper
98 100
100 65.8 51.8 77.6



#58
2-Chloroethyl Vinyl ether
Concen: Below Cal
RT: 9.831 min Scan# 1314
Delta R.T. 0.042 min
Lab File: VY004082.D
Acq: 11 Mar 2021 17:14

Tgt Ion: 63 Resp: 20
Ion Ratio Lower Upper
63 100
106 0.0 22.1 33.1#

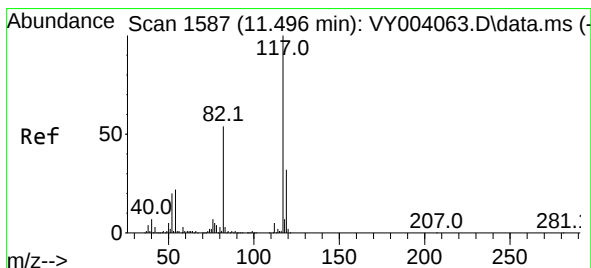
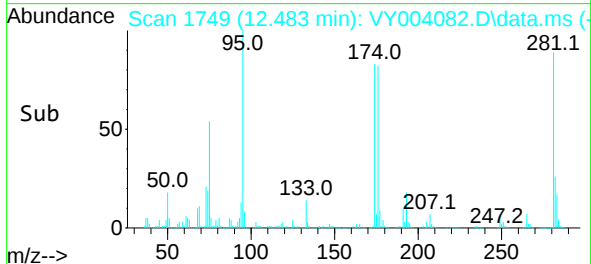
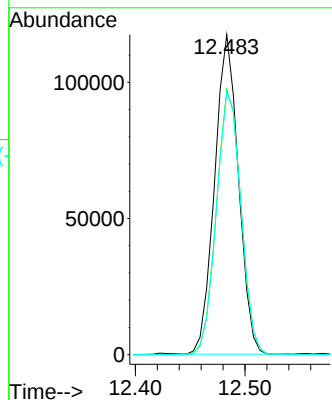
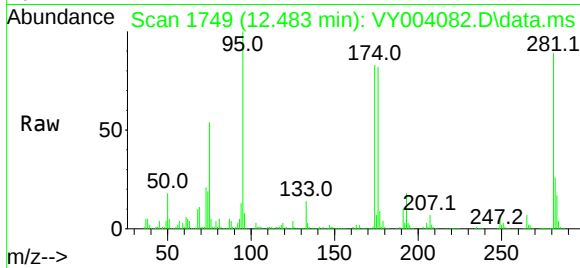




#62
4-Bromofluorobenzene
Concen: 53.48 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY004082.D
Acq: 11 Mar 2021 17:14

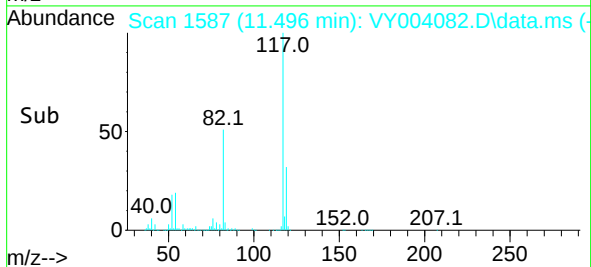
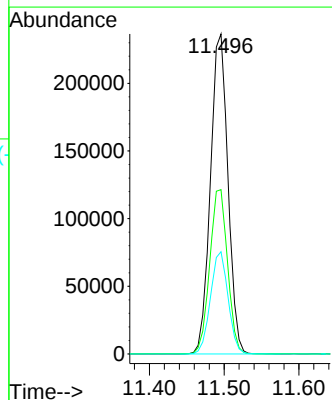
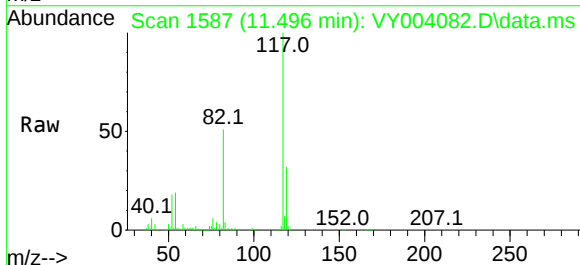
Instrument :
MSVOA_Y
ClientSampleId :

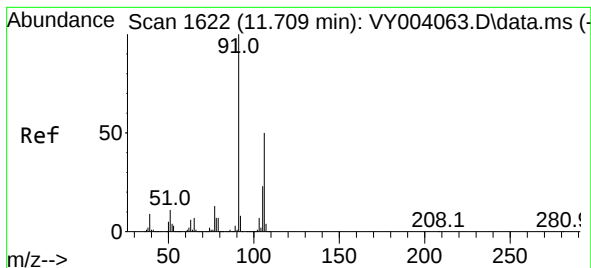
Tgt Ion: 95 Resp: 176880
Ion Ratio Lower Upper
95 100
174 85.4 0.0 179.0
176 84.9 0.0 174.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY004082.D
Acq: 11 Mar 2021 17:14

Tgt Ion: 117 Resp: 384804
Ion Ratio Lower Upper
117 100
82 51.3 43.8 65.6
119 32.0 26.2 39.2

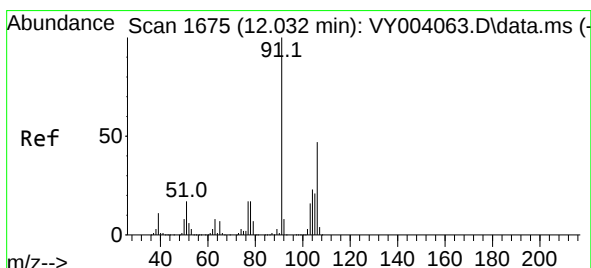
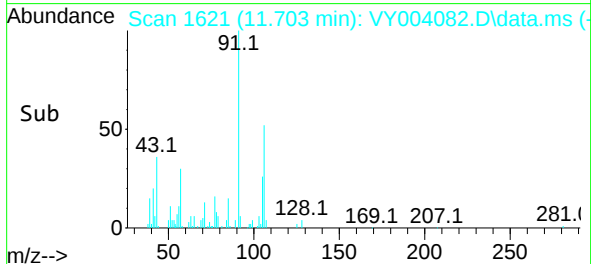
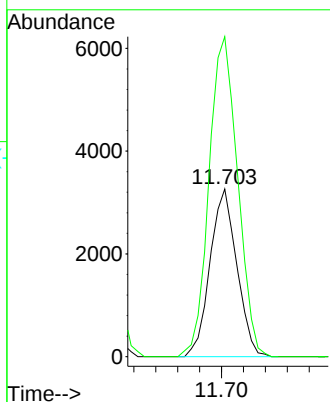
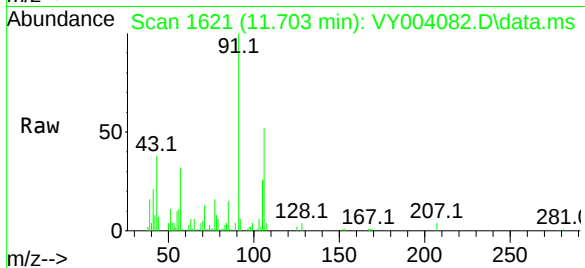




#68
m/p-Xylenes
Concen: 1.07 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. -0.006 min
Lab File: VY004082.D
Acq: 11 Mar 2021 17:14

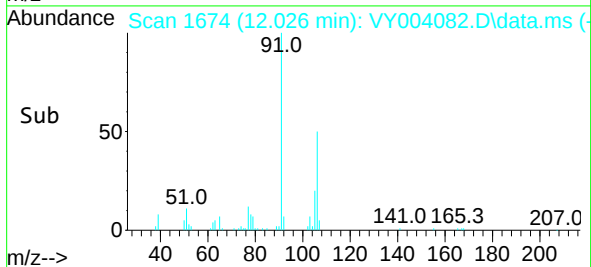
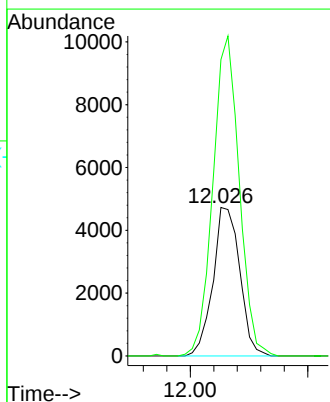
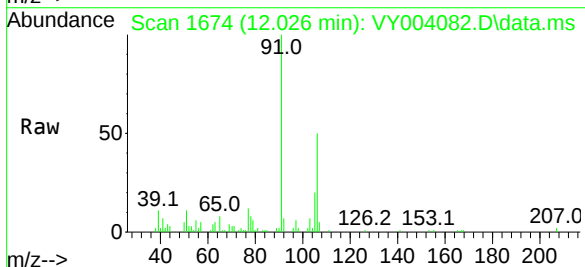
Instrument :
MSVOA_Y
ClientSampled :

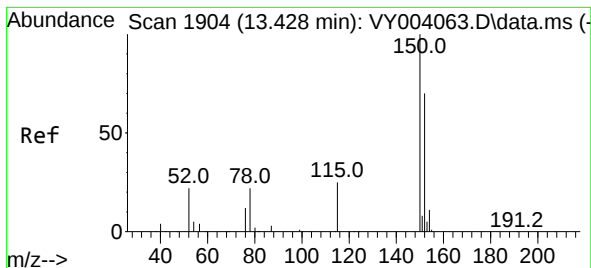
Tgt Ion:106 Resp: 5539
Ion Ratio Lower Upper
106 100
91 203.7 165.4 248.0



#69
o-Xylene
Concen: 1.53 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. -0.006 min
Lab File: VY004082.D
Acq: 11 Mar 2021 17:14

Tgt Ion:106 Resp: 7484
Ion Ratio Lower Upper
106 100
91 211.6 108.9 326.7

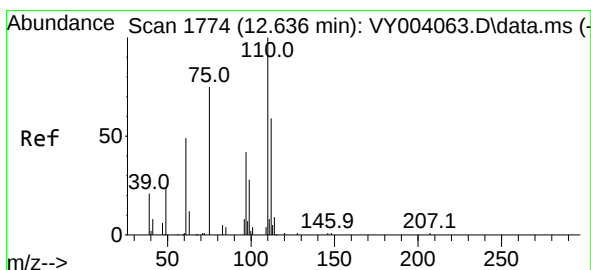
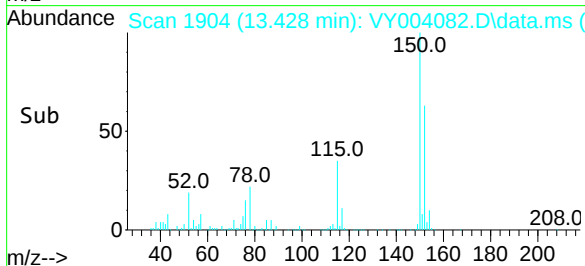
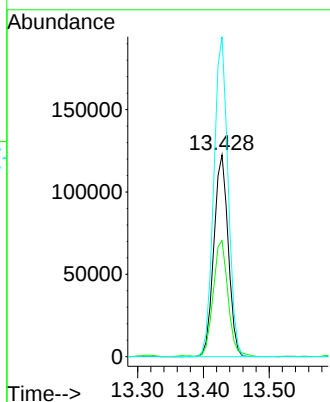
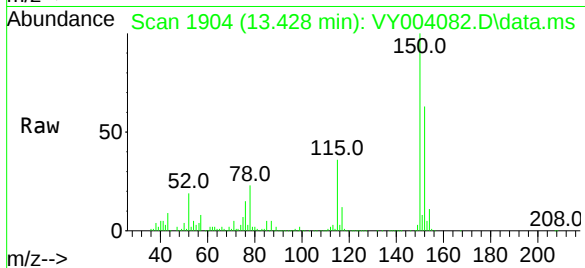




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.00 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. 0.000 min
 Lab File: VY004082.D
 Acq: 11 Mar 2021 17:14

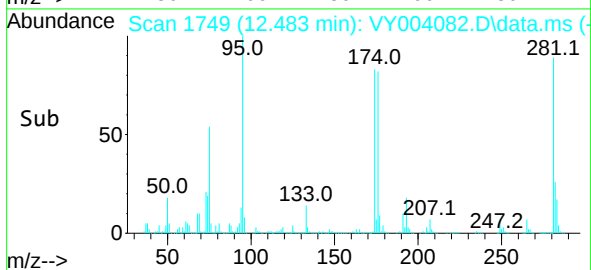
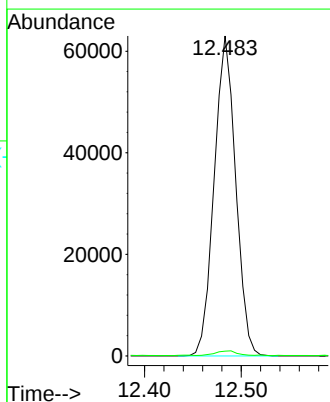
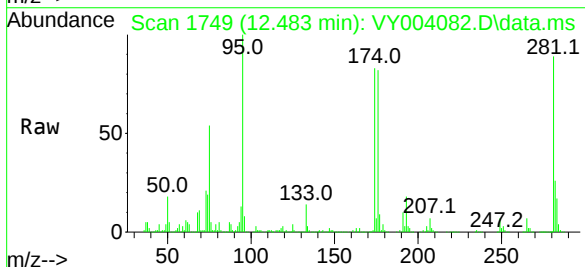
Instrument :
 MSVOA_Y
 ClientSampled :

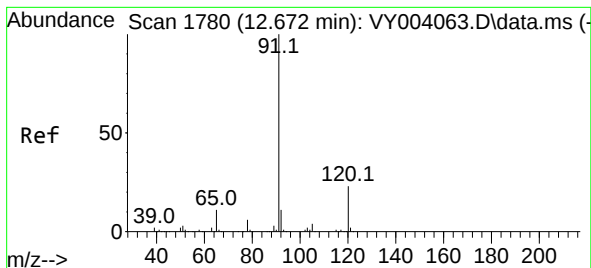
Tgt Ion:152 Resp: 185993
 Ion Ratio Lower Upper
 152 100
 115 59.5 28.2 84.6
 150 157.2 0.0 347.2



#76
 1,2,3-Trichloropropane
 Concen: 54.43 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.153 min
 Lab File: VY004082.D
 Acq: 11 Mar 2021 17:14

Tgt Ion: 75 Resp: 97068
 Ion Ratio Lower Upper
 75 100
 77 1.6 0.0 0.0#

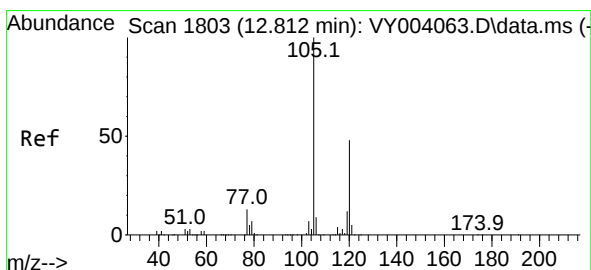
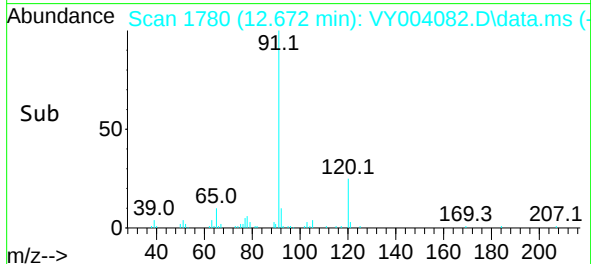
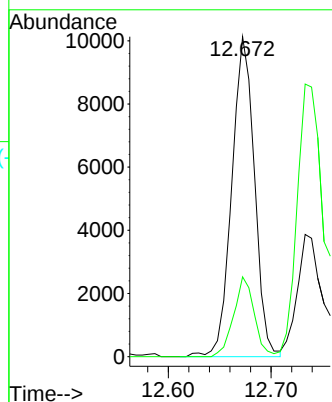
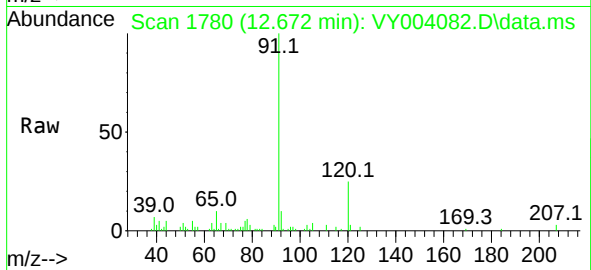




#78
n-propylbenzene
Concen: 1.02 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. 0.000 min
Lab File: VY004082.D
Acq: 11 Mar 2021 17:14

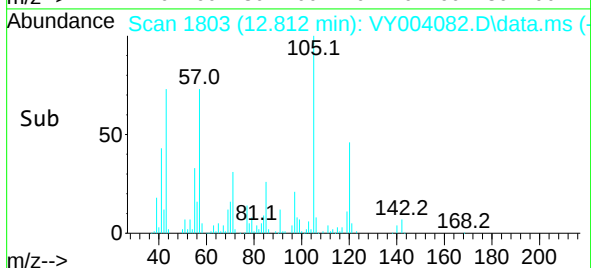
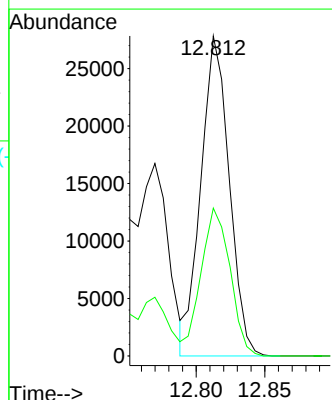
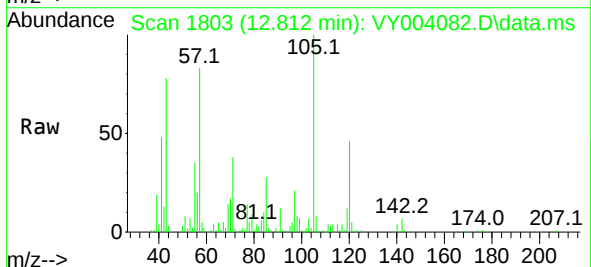
Instrument :
MSVOA_Y
ClientSampled :

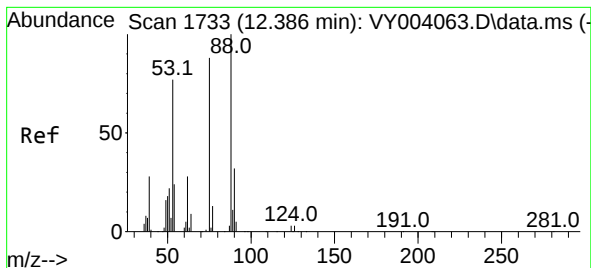
Tgt Ion: 91 Resp: 15552
Ion Ratio Lower Upper
91 100
120 22.6 11.3 33.9



#80
1,3,5-Trimethylbenzene
Concen: 3.64 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VY004082.D
Acq: 11 Mar 2021 17:14

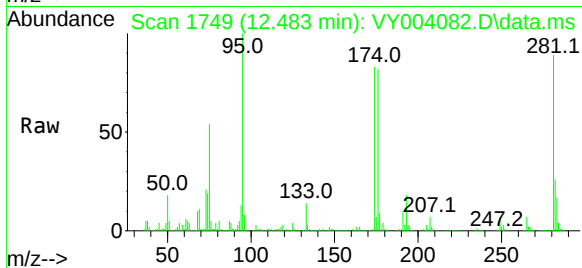
Tgt Ion: 105 Resp: 39936
Ion Ratio Lower Upper
105 100
120 47.7 24.1 72.2



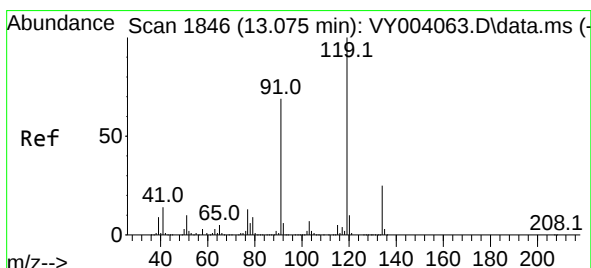
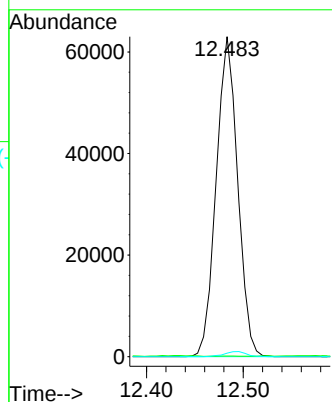
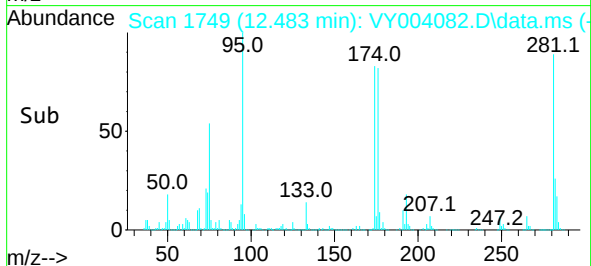


#81
 trans-1,4-Dichloro-2-butene
 Concen: 107.42 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. 0.097 min
 Lab File: VY004082.D
 Acq: 11 Mar 2021 17:14

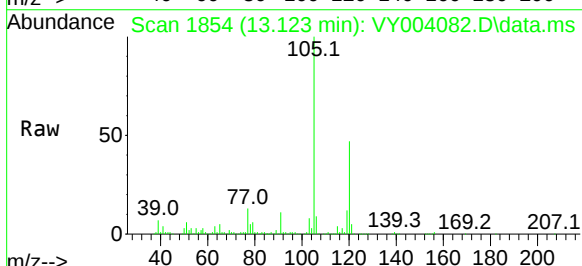
Instrument :
 MSVOA_Y
 ClientSampleId :



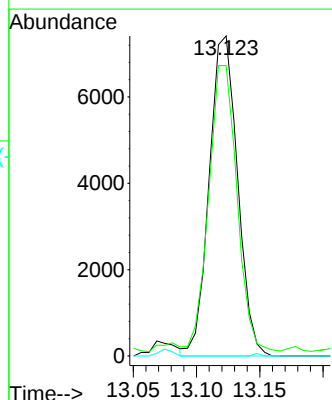
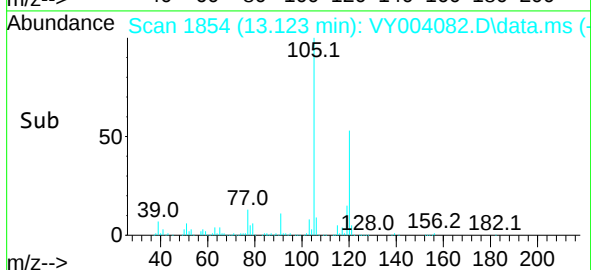
Tgt Ion: 75 Resp: 97068
 Ion Ratio Lower Upper
 75 100
 53 0.1 73.5 110.3#
 89 1.6 35.7 53.5#

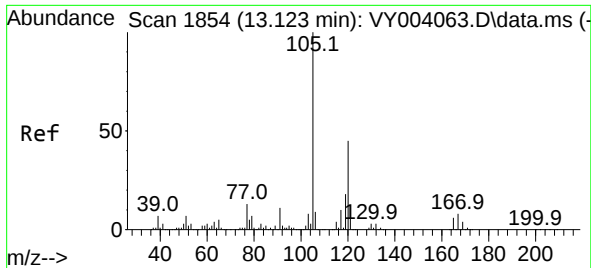


#83
 tert-Butylbenzene
 Concen: 1.22 ug/l
 RT: 13.123 min Scan# 1854
 Delta R.T. 0.048 min
 Lab File: VY004082.D
 Acq: 11 Mar 2021 17:14



Tgt Ion: 119 Resp: 11554
 Ion Ratio Lower Upper
 119 100
 91 88.4 33.0 99.0
 134 0.0 12.9 38.7#

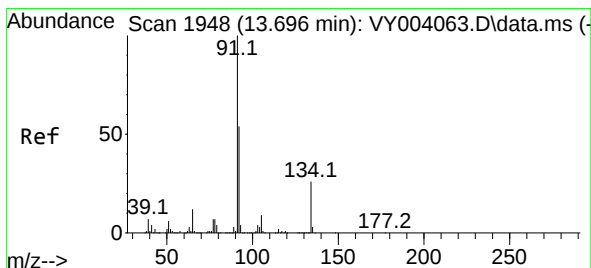
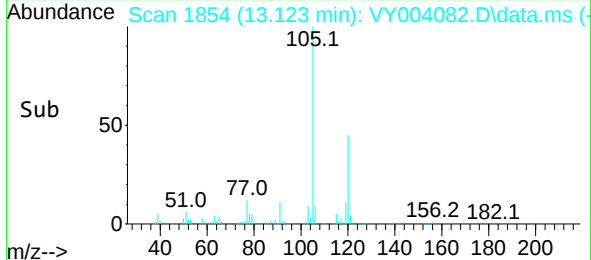
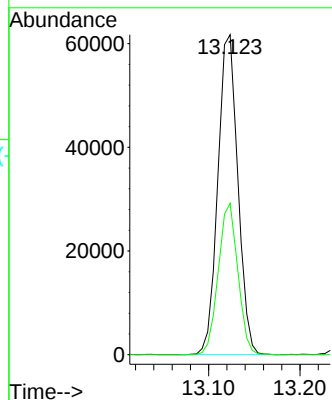
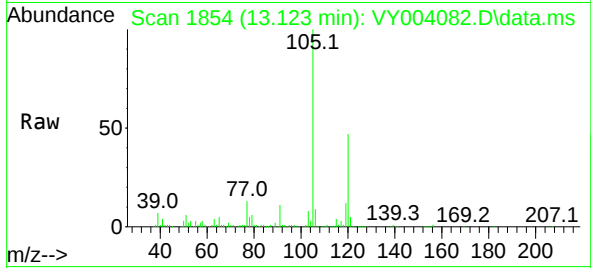




#84
1,2,4-Trimethylbenzene
Concen: 8.55 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.000 min
Lab File: VY004082.D
Acq: 11 Mar 2021 17:14

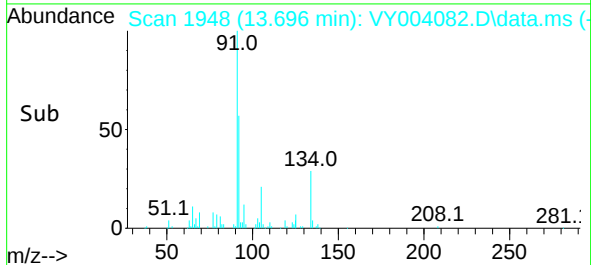
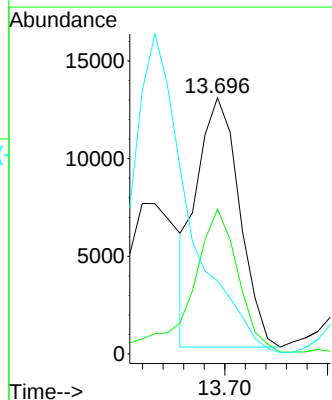
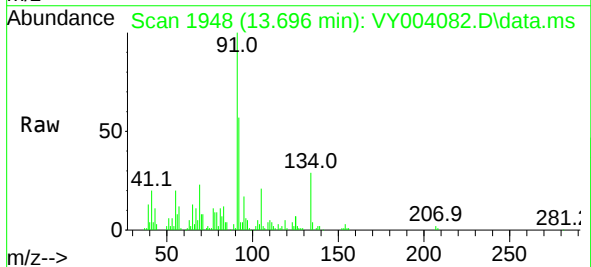
Instrument :
MSVOA_Y
ClientSampled :

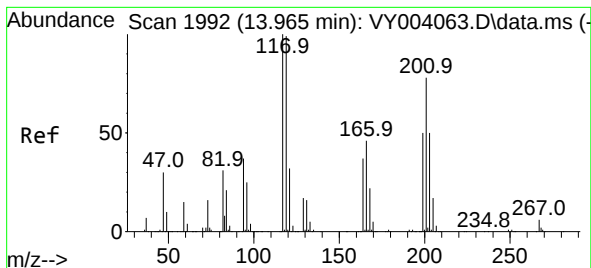
Tgt Ion:105 Resp: 93923
Ion Ratio Lower Upper
105 100
120 46.3 22.1 66.3



#89
n-Butylbenzene
Concen: 1.60 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. 0.000 min
Lab File: VY004082.D
Acq: 11 Mar 2021 17:14

Tgt Ion: 91 Resp: 18416
Ion Ratio Lower Upper
91 100
92 64.3 26.5 79.4
134 0.0 13.2 39.5#

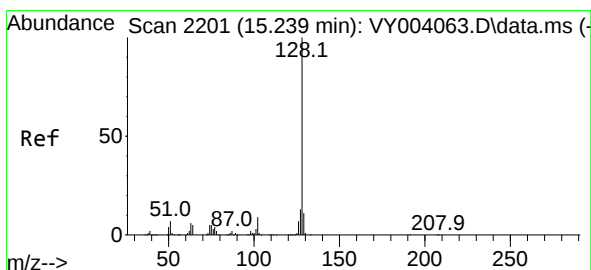
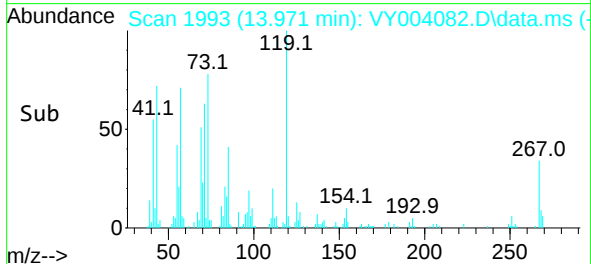
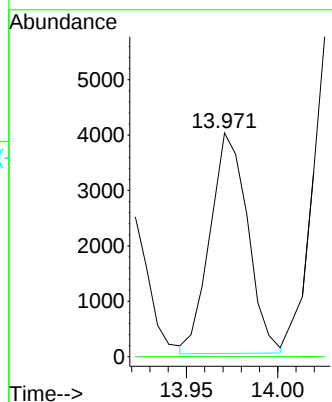
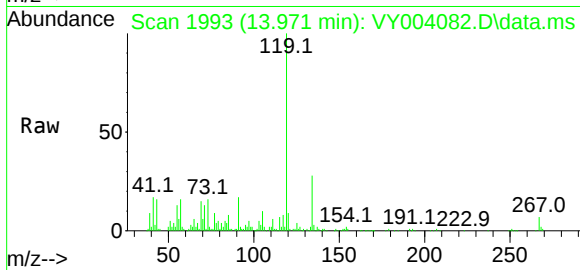




#90
Hexachloroethane
Concen: 2.63 ug/l
RT: 13.971 min Scan# 1993
Delta R.T. 0.006 min
Lab File: VY004082.D
Acq: 11 Mar 2021 17:14

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:117 Resp: 5694
Ion Ratio Lower Upper
117 100
201 0.0 46.0 138.0#



#95
Naphthalene
Concen: 2.17 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY004082.D
Acq: 11 Mar 2021 17:14

Tgt Ion:128 Resp: 14902
Ion Ratio Lower Upper
128 100
127 24.6 10.6 16.0#
129 14.7 8.7 13.1#

