

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032221\
 Data File : VY004159.D
 Acq On : 22 Mar 2021 13:21
 Operator : SY/MD
 Sample : M1756-01
 Misc : 6.91g/5mL/MSVOA_Y/SOIL
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Mar 23 01:09:30 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	186940	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	314158	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	289108	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	137574	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	105343	57.10	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 114.20%			
35) Dibromofluoromethane	7.728	113	96911	54.70	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 109.40%			
50) Toluene-d8	10.185	98	370712	53.38	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 106.76%			
62) 4-Bromofluorobenzene	12.483	95	133247	51.95	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 103.90%			
Target Compounds					Qvalue	
3) Chloromethane	2.113	50	764	Below Cal		90
16) Acetone	3.985	43	3423	7.69 ug/l #		88
20) Methylene Chloride	4.729	84	7011	Below Cal #		83
31) Cyclohexane	7.795	56	4085	1.26 ug/l #		3
36) 1,1-Dichloropropene	7.801	75	14078	5.10 ug/l #		51
38) Carbon Tetrachloride	7.801	117	18026	6.16 ug/l #		16
55) 1,1,2-Trichloroethane	10.624	97	1599	1.02 ug/l #		22
59) 2-Hexanone	10.807	43	2558	2.41 ug/l #		28
69) o-Xylene	12.032	106	13840	3.77 ug/l #		98
74) N-amyl acetate	12.124	43	42939	15.68 ug/l #		59
75) 1,1,2,2-Tetrachloroethane	12.648	83	20032	12.06 ug/l #		26
76) 1,2,3-Trichloropropane	12.483	75	71797	54.43 ug/l #		100
79) 2-Chlorotoluene	12.739	91	9259	1.46 ug/l #		45
80) 1,3,5-Trimethylbenzene	12.812	105	344750	42.51 ug/l #		98
81) trans-1,4-Dichloro-2-b...	12.483	75	71797	107.42 ug/l #		14
82) 4-Chlorotoluene	12.812	91	39932	5.97 ug/l #		51
84) 1,2,4-Trimethylbenzene	13.123	105	55550	6.84 ug/l #		97
85) sec-Butylbenzene	13.123	105	55550	5.77 ug/l #		56
86) p-Isopropyltoluene	13.373	119	107401	12.04 ug/l #		99
89) n-Butylbenzene	13.666	91	159128	18.75 ug/l #		1
90) Hexachloroethane	13.977	117	66608	41.55 ug/l #		4
92) 1,2-Dibromo-3-Chloropr...	14.379	75	3281	10.45 ug/l #		24
93) 1,2,4-Trichlorobenzene	15.050	180	6170	2.41 ug/l #		1
95) Naphthalene	15.239	128	42721	8.41 ug/l #		69
96) 1,2,3-Trichlorobenzene	15.446	180	8705	4.04 ug/l #		1

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

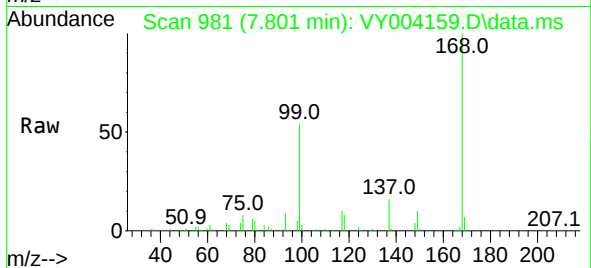
Quant Time: Mar 23 01:09:30 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030821S.M
Quant Title : SW846 8260
QLast Update : Mon Mar 08 12:28:55 2021
Response via : Initial Calibration



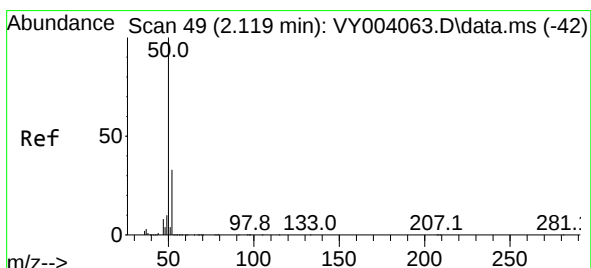
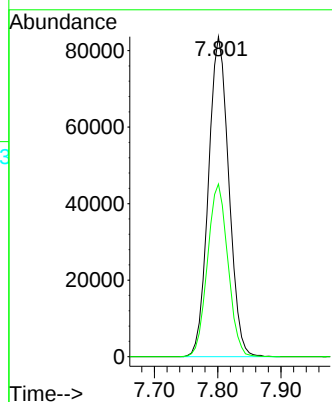
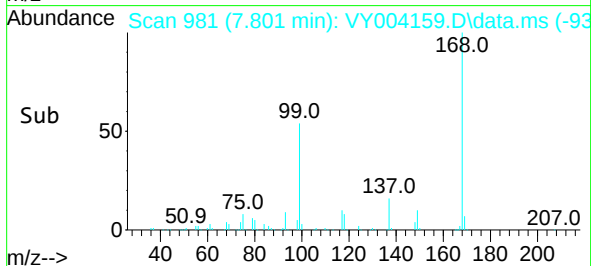


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY004159.D
Acq: 22 Mar 2021 13:21

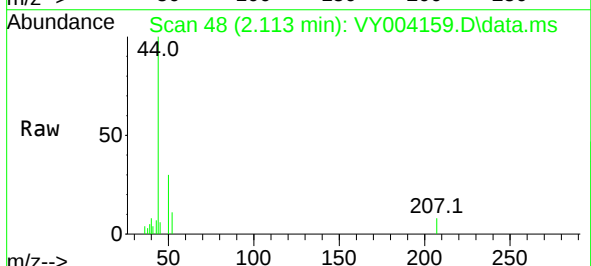
Instrument :
MSVOA_Y
ClientSampled :



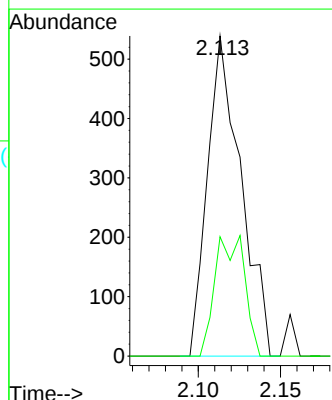
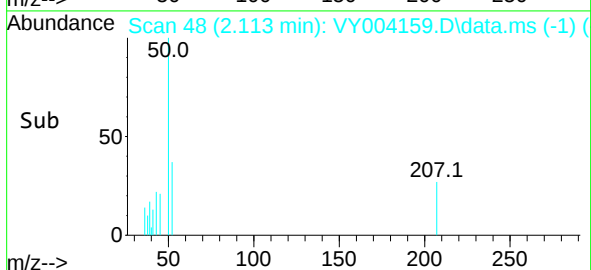
Tgt Ion:168 Resp: 186940
Ion Ratio Lower Upper
168 100
99 54.0 41.2 61.8

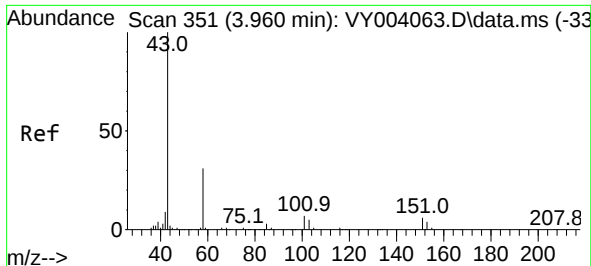


#3
Chloromethane
Concen: Below Cal
RT: 2.113 min Scan# 48
Delta R.T. -0.006 min
Lab File: VY004159.D
Acq: 22 Mar 2021 13:21



Tgt Ion: 50 Resp: 764
Ion Ratio Lower Upper
50 100
52 37.3 25.4 38.2

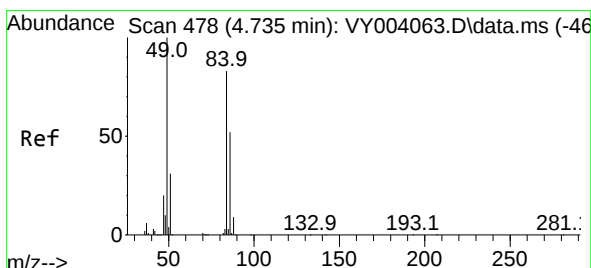
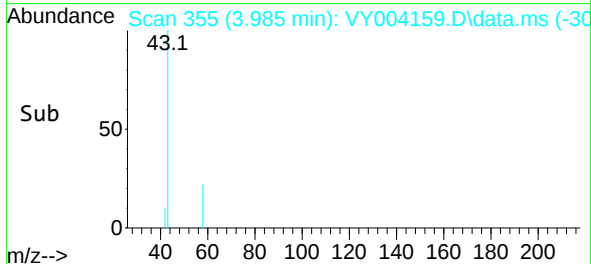
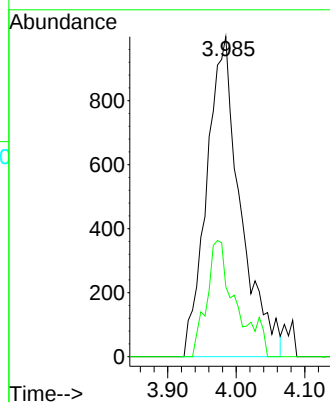
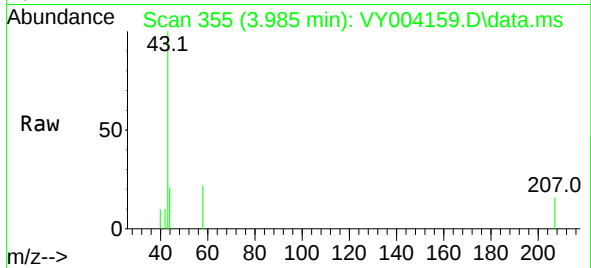




#16
Acetone
Concen: 7.69 ug/l
RT: 3.985 min Scan# 355
Delta R.T. 0.025 min
Lab File: VY004159.D
Acq: 22 Mar 2021 13:21

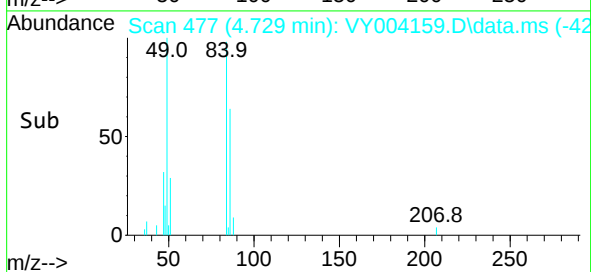
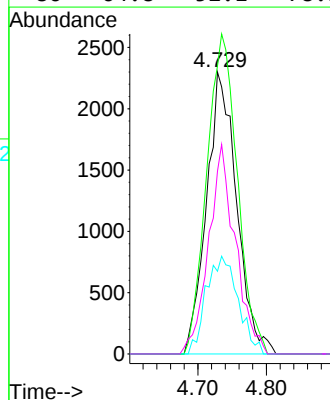
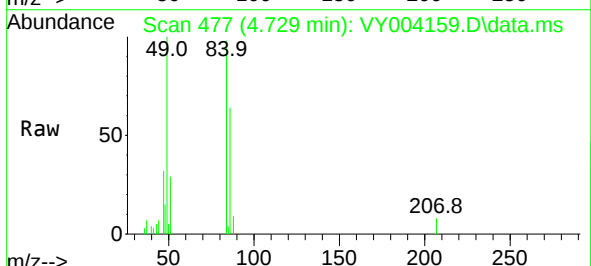
Instrument :
MSVOA_Y
ClientSampled :

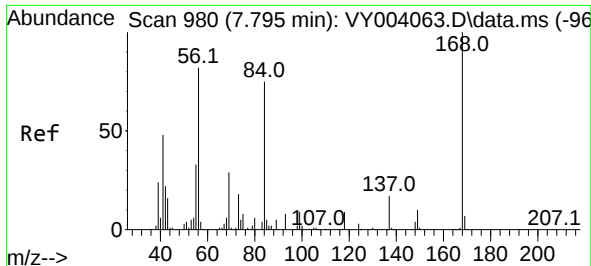
Tgt Ion: 43 Resp: 3423
Ion Ratio Lower Upper
43 100
58 21.9 22.6 34.0#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.729 min Scan# 477
Delta R.T. -0.006 min
Lab File: VY004159.D
Acq: 22 Mar 2021 13:21

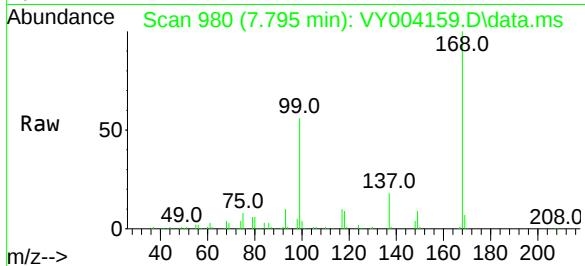
Tgt Ion: 84 Resp: 7011
Ion Ratio Lower Upper
84 100
49 102.1 105.8 158.6#
51 29.3 32.6 48.8#
86 64.8 52.1 78.1



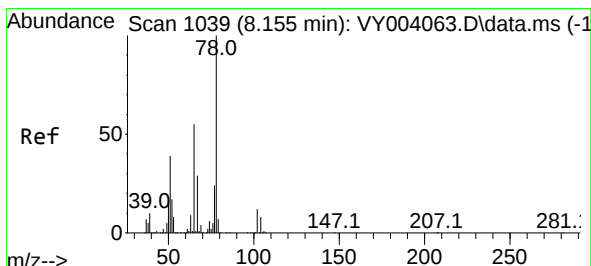
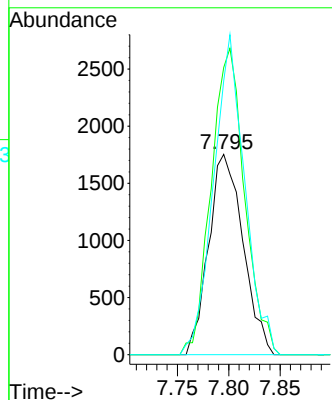
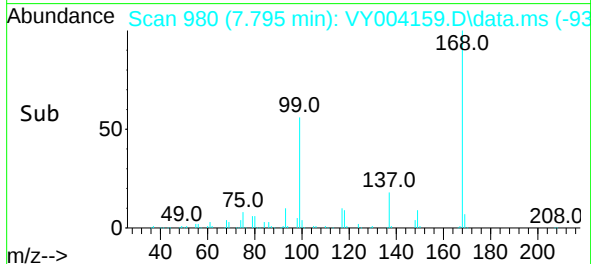


#31
Cyclohexane
Concen: 1.26 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.000 min
Lab File: VY004159.D
Acq: 22 Mar 2021 13:21

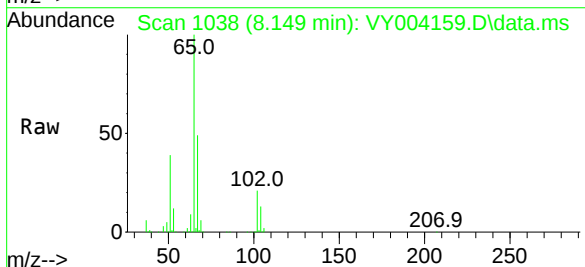
Instrument :
MSVOA_Y
ClientSampled :



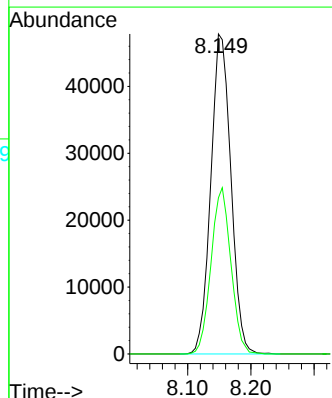
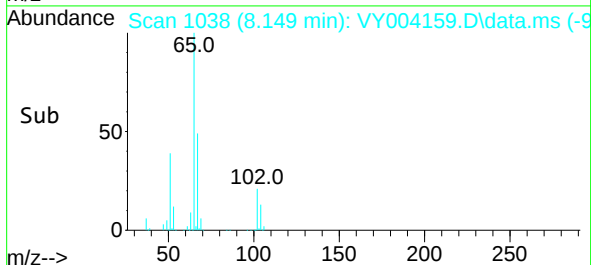
Tgt Ion: 56 Resp: 4085
Ion Ratio Lower Upper
56 100
69 143.3 25.3 37.9#
84 136.7 67.3 100.9#

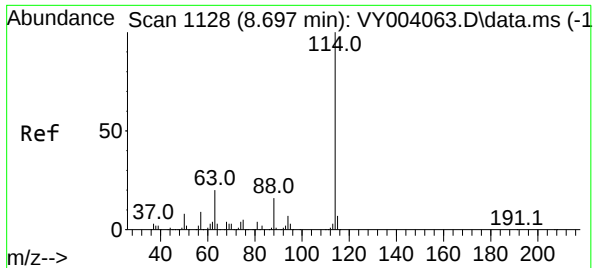


#33
1,2-Dichloroethane-d4
Concen: 57.10 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.006 min
Lab File: VY004159.D
Acq: 22 Mar 2021 13:21



Tgt Ion: 65 Resp: 105343
Ion Ratio Lower Upper
65 100
67 51.3 0.0 101.4

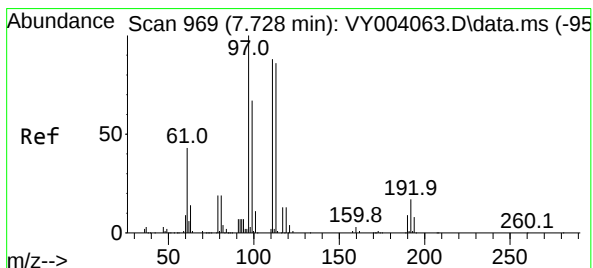
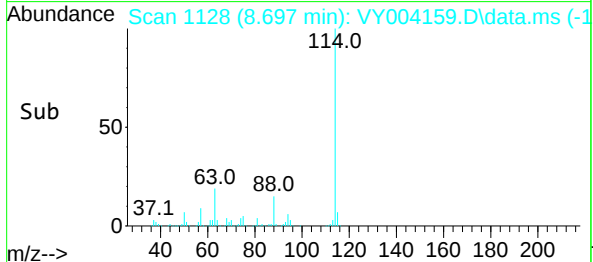
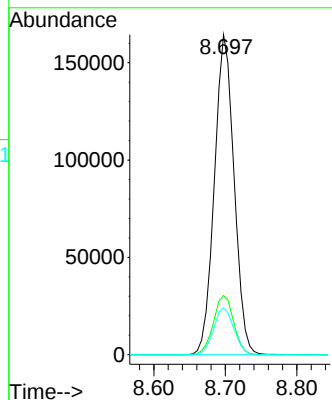
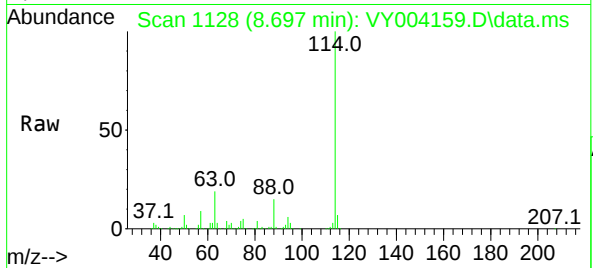




#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VY004159.D
Acq: 22 Mar 2021 13:21

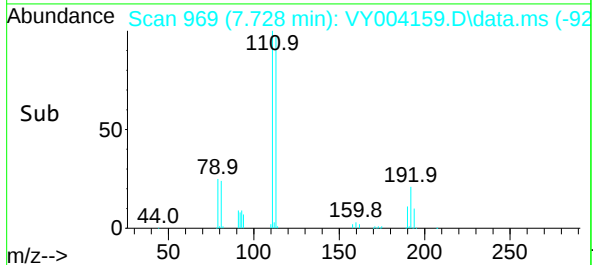
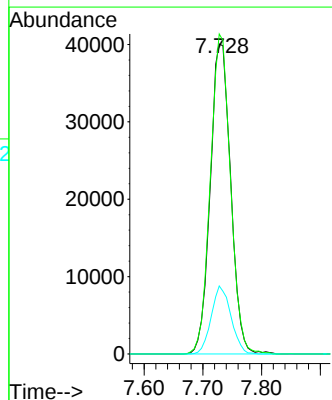
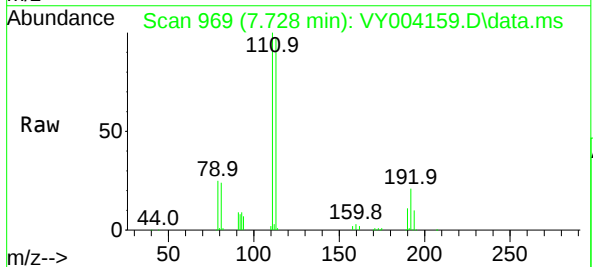
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MSVOA_Y
ClientSampleId :

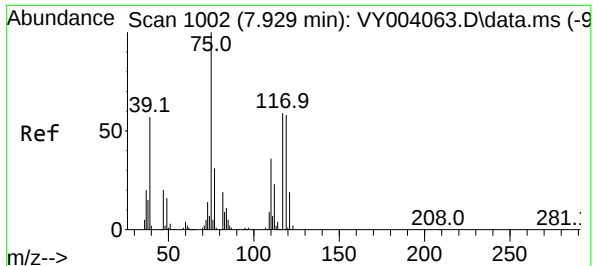
Tgt Ion:114 Resp: 314158
Ion Ratio Lower Upper
114 100
63 18.5 0.0 41.6
88 14.6 0.0 31.4



#35
Dibromofluoromethane
Concen: 54.70 ug/l
RT: 7.728 min Scan# 969
Delta R.T. 0.000 min
Lab File: VY004159.D
Acq: 22 Mar 2021 13:21

Tgt Ion:113 Resp: 96911
Ion Ratio Lower Upper
113 100
111 101.2 83.2 124.8
192 21.1 18.5 27.7

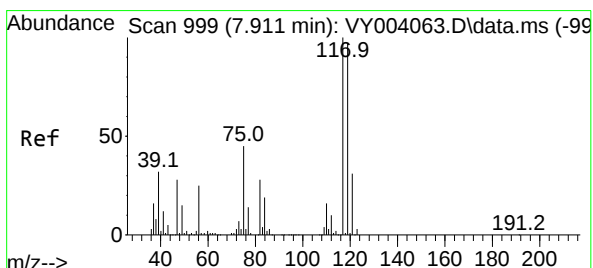
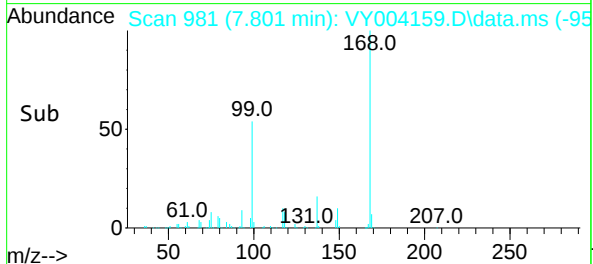
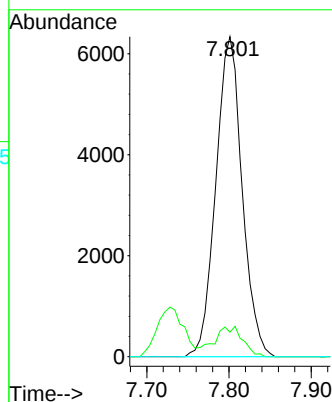
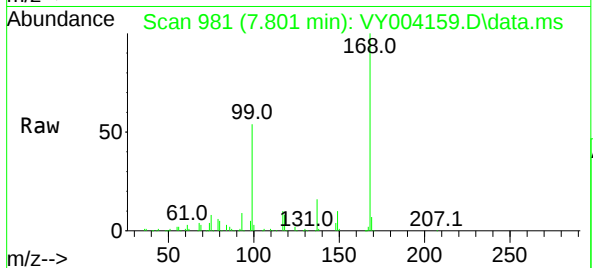




#36
1,1-Dichloropropene
Concen: 5.10 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.128 min
Lab File: VY004159.D
Acq: 22 Mar 2021 13:21

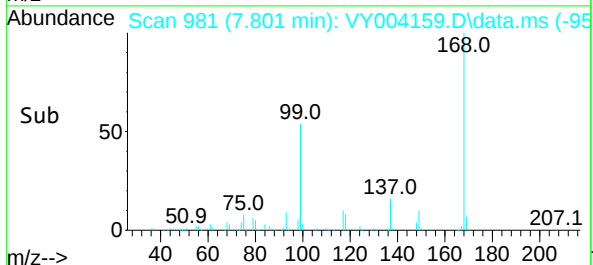
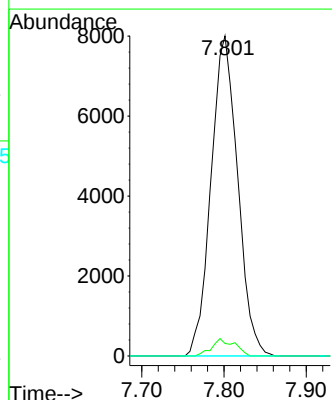
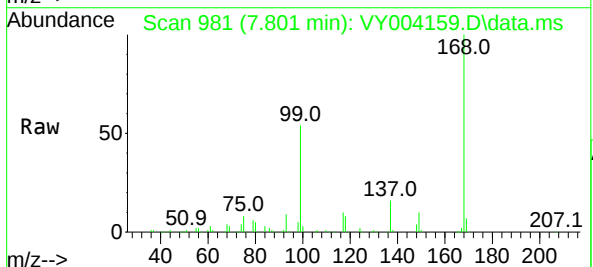
Instrument :
MSVOA_Y
ClientSampleId :

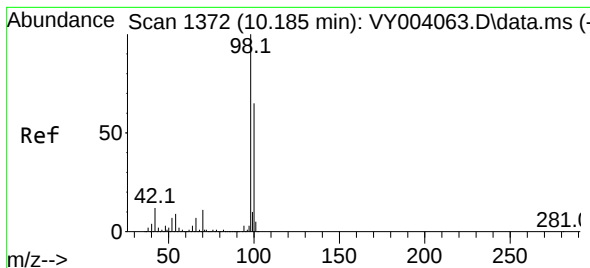
Tgt Ion: 75 Resp: 14078
Ion Ratio Lower Upper
75 100
110 10.0 17.4 52.3#
77 0.0 24.5 36.7#



#38
Carbon Tetrachloride
Concen: 6.16 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.110 min
Lab File: VY004159.D
Acq: 22 Mar 2021 13:21

Tgt Ion: 117 Resp: 18026
Ion Ratio Lower Upper
117 100
119 3.9 75.4 113.0#
121 0.0 24.2 36.2#

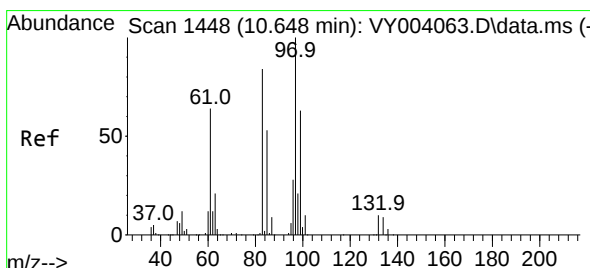
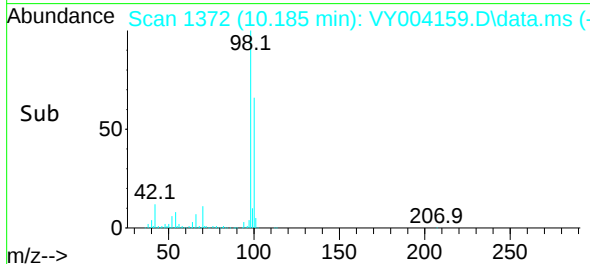
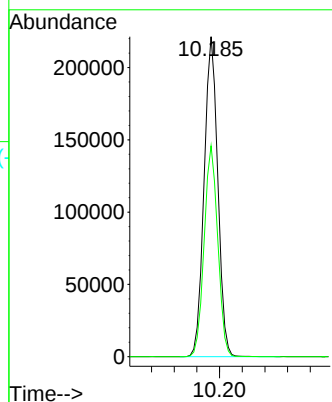
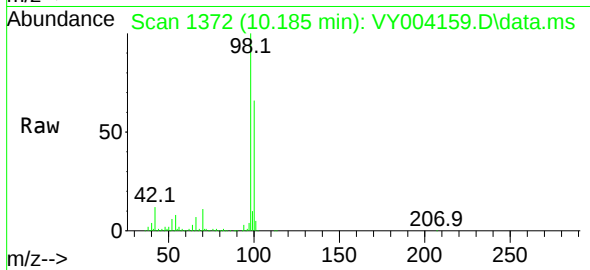




#50
Toluene-d8
Concen: 53.38 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY004159.D
Acq: 22 Mar 2021 13:21

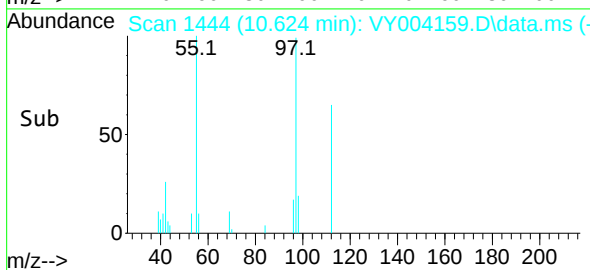
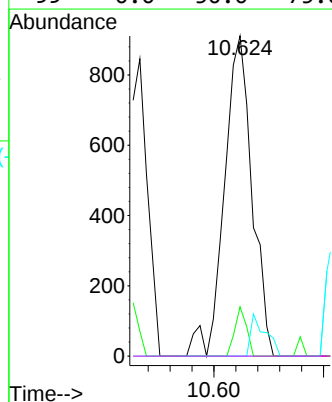
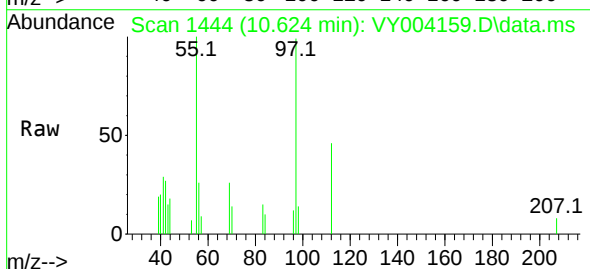
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ClientSampled :

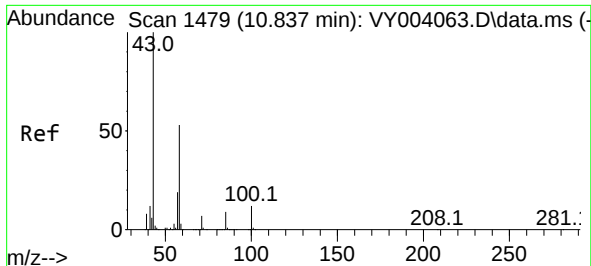
Tgt Ion: 98 Resp: 370712
Ion Ratio Lower Upper
98 100
100 65.5 51.8 77.6



#55
1,1,2-Trichloroethane
Concen: 1.02 ug/l
RT: 10.624 min Scan# 1444
Delta R.T. -0.024 min
Lab File: VY004159.D
Acq: 22 Mar 2021 13:21

Tgt Ion: 97 Resp: 1599
Ion Ratio Lower Upper
97 100
83 15.4 69.4 104.0#
85 0.0 43.4 65.0#
99 0.0 50.0 75.0#

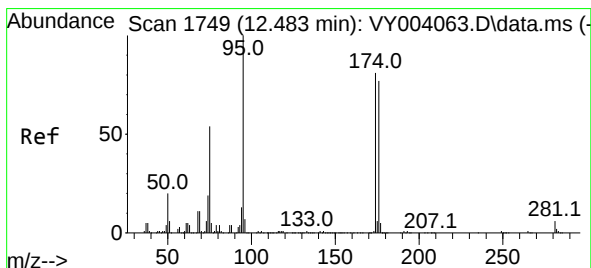
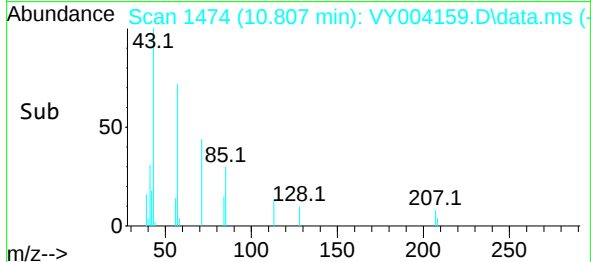
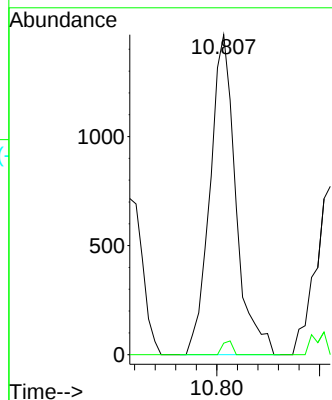
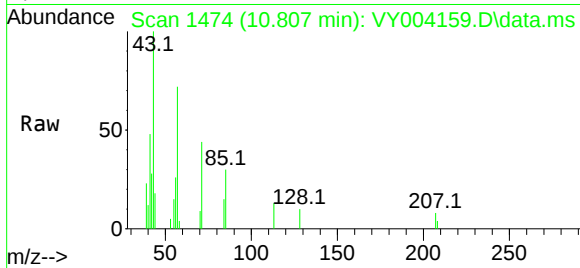




#59
2-Hexanone
Concen: 2.41 ug/l
RT: 10.807 min Scan# 1474
Delta R.T. -0.030 min
Lab File: VY004159.D
Acq: 22 Mar 2021 13:21

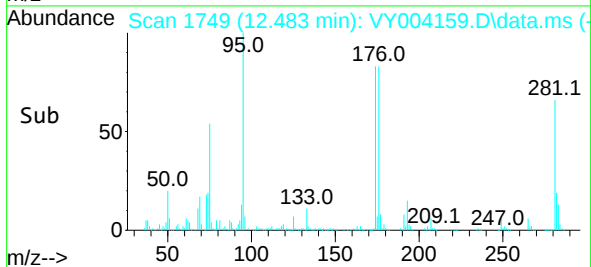
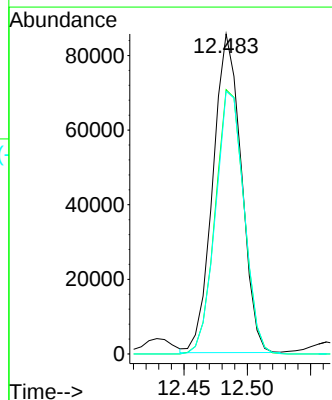
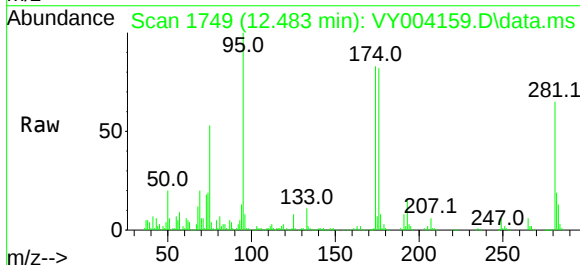
Instrument :
MSVOA_Y
ClientSampled :

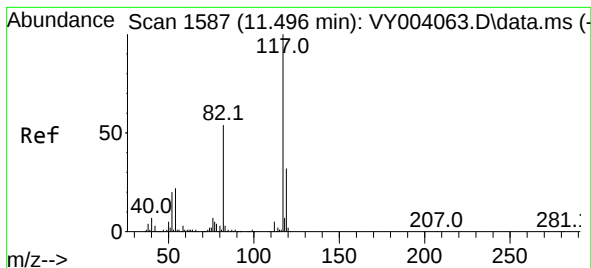
Tgt Ion: 43 Resp: 2558
Ion Ratio Lower Upper
43 100
58 1.6 26.5 79.4#



#62
4-Bromofluorobenzene
Concen: 51.95 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY004159.D
Acq: 22 Mar 2021 13:21

Tgt Ion: 95 Resp: 133247
Ion Ratio Lower Upper
95 100
174 83.4 0.0 179.0
176 82.8 0.0 174.4

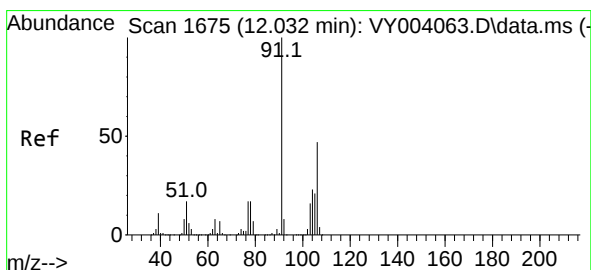
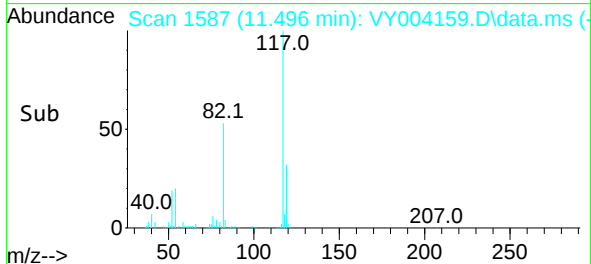
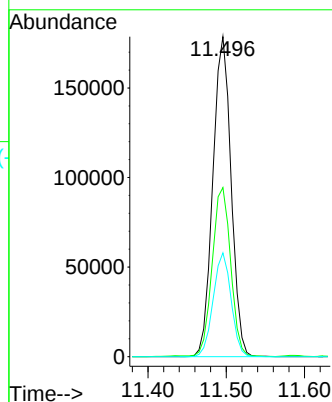
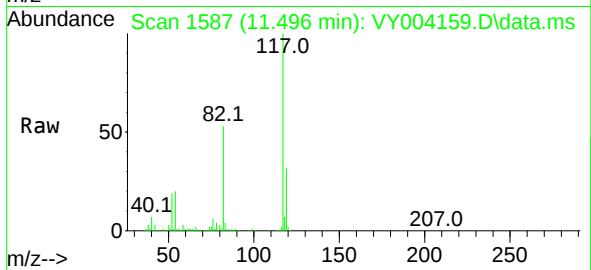




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY004159.D
Acq: 22 Mar 2021 13:21

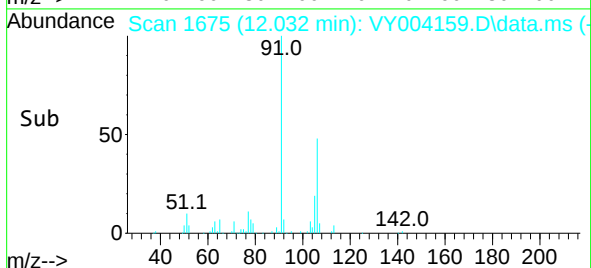
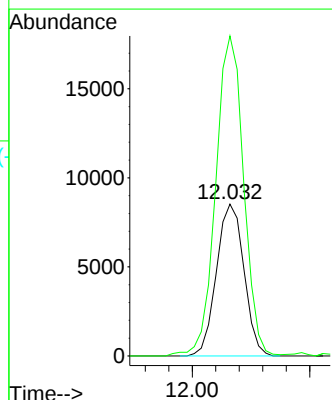
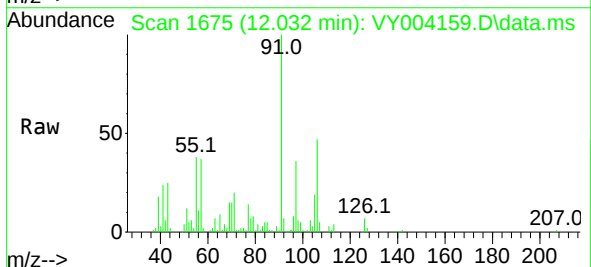
Instrument :
MSVOA_Y
ClientSampled :

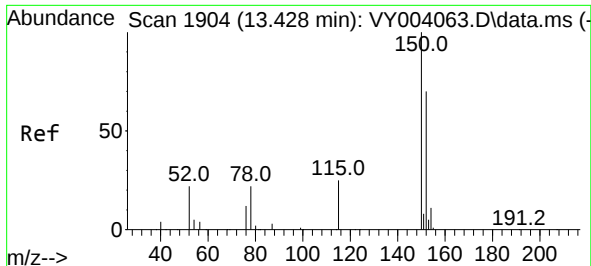
Tgt Ion:117 Resp: 289108
Ion Ratio Lower Upper
117 100
82 52.7 43.8 65.6
119 32.4 26.2 39.2



#69
o-Xylene
Concen: 3.77 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VY004159.D
Acq: 22 Mar 2021 13:21

Tgt Ion:106 Resp: 13840
Ion Ratio Lower Upper
106 100
91 214.2 108.9 326.7

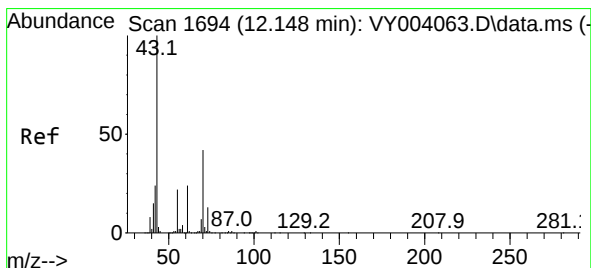
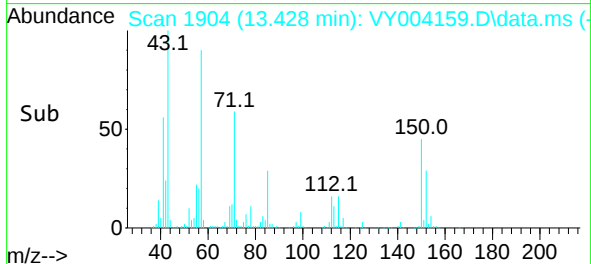
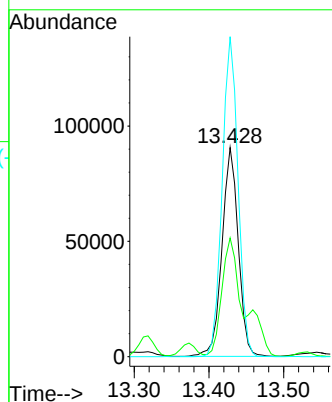
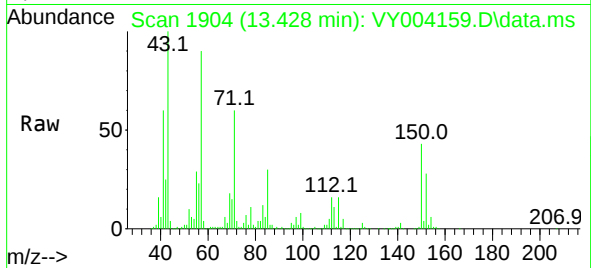




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY004159.D
Acq: 22 Mar 2021 13:21

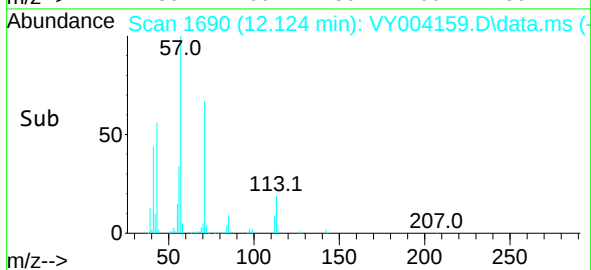
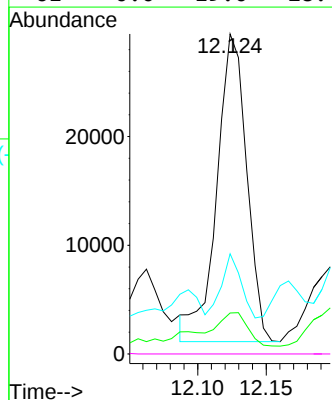
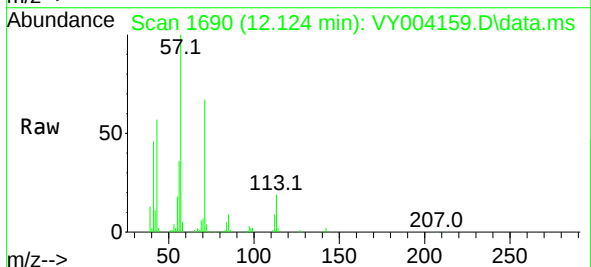
Instrument :
MSVOA_Y
ClientSampleId :

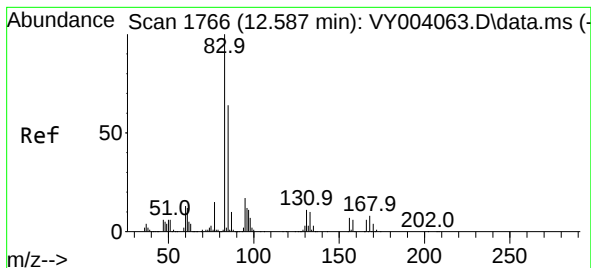
Tgt Ion:152 Resp: 137574
Ion Ratio Lower Upper
152 100
115 77.0 28.2 84.6
150 148.3 0.0 347.2



#74
N-ethyl acetate
Concen: 15.68 ug/l
RT: 12.124 min Scan# 1690
Delta R.T. -0.024 min
Lab File: VY004159.D
Acq: 22 Mar 2021 13:21

Tgt Ion: 43 Resp: 42939
Ion Ratio Lower Upper
43 100
70 10.7 32.3 48.5#
55 13.4 18.4 27.6#
61 0.0 19.0 28.4#



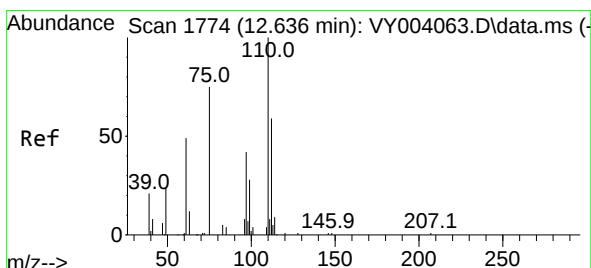
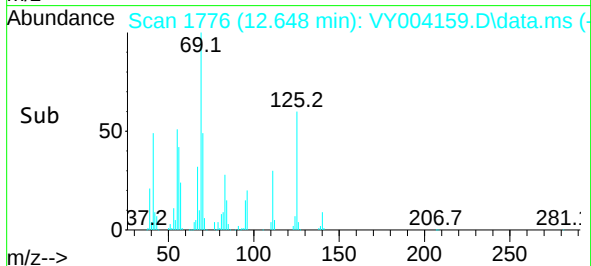
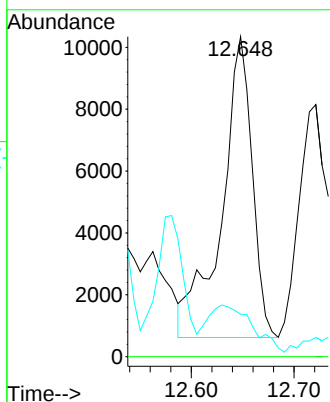
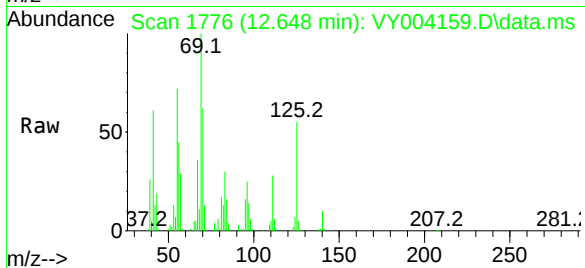


#75

1,1,2,2-Tetrachloroethane
Concen: 12.06 ug/l
RT: 12.648 min Scan# 1776
Delta R.T. 0.061 min
Lab File: VY004159.D
Acq: 22 Mar 2021 13:21

Tgt Ion: 83 Resp: 20032
Ion Ratio Lower Upper
83 100
131 0.0 5.5 16.4#
85 0.0 31.6 95.0#

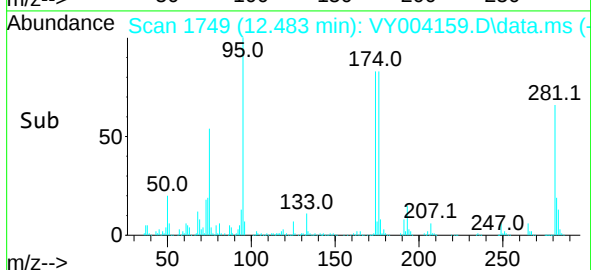
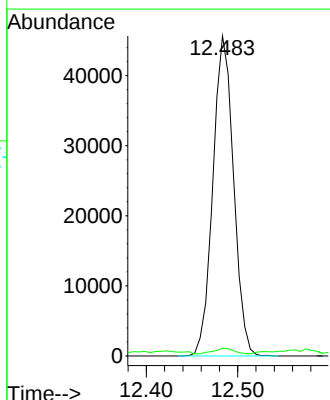
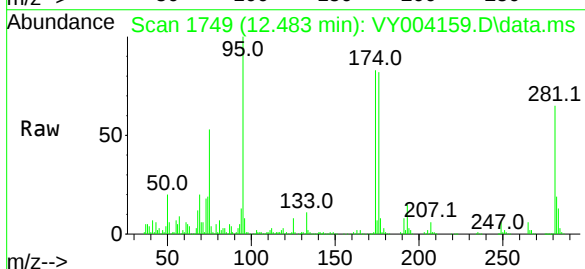
Instrument :
MSVOA_Y
ClientSampleId :

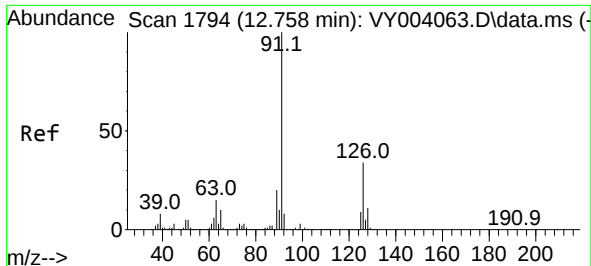


#76

1,2,3-Trichloropropane
Concen: 54.43 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.153 min
Lab File: VY004159.D
Acq: 22 Mar 2021 13:21

Tgt Ion: 75 Resp: 71797
Ion Ratio Lower Upper
75 100
77 0.0 0.0 0.0

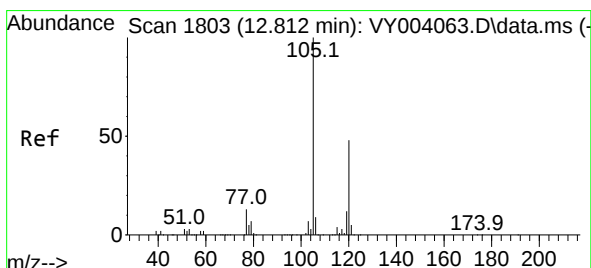
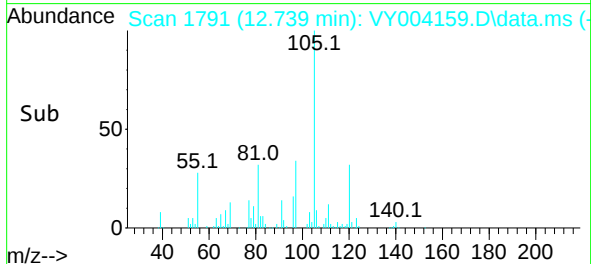
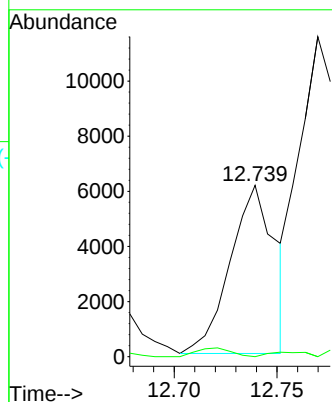
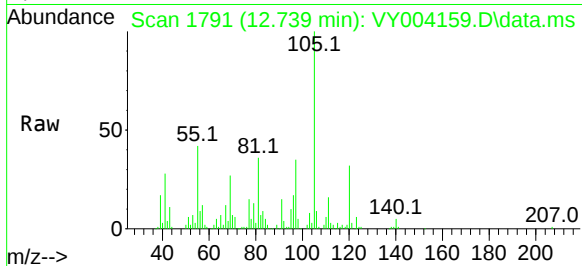




#79
2-Chlorotoluene
Concen: 1.46 ug/l
RT: 12.739 min Scan# 1791
Delta R.T. -0.019 min
Lab File: VY004159.D
Acq: 22 Mar 2021 13:21

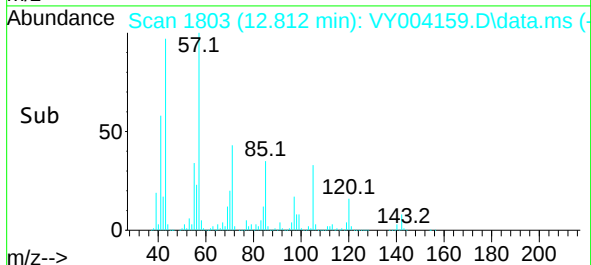
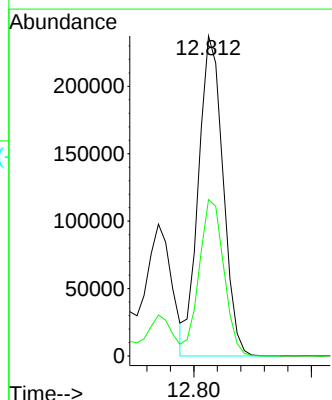
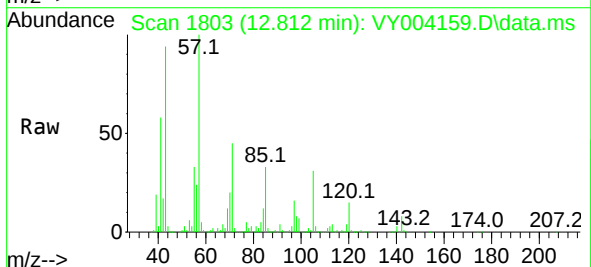
Instrument :
MSVOA_Y
ClientSampled :

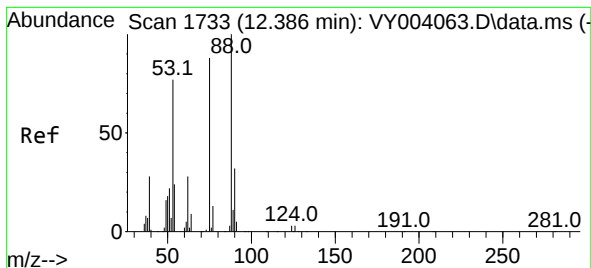
Tgt Ion: 91 Resp: 9259
Ion Ratio Lower Upper
91 100
126 2.3 17.0 51.0#



#80
1,3,5-Trimethylbenzene
Concen: 42.51 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VY004159.D
Acq: 22 Mar 2021 13:21

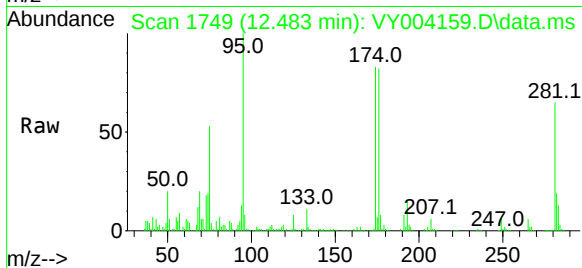
Tgt Ion:105 Resp: 344750
Ion Ratio Lower Upper
105 100
120 49.2 24.1 72.2



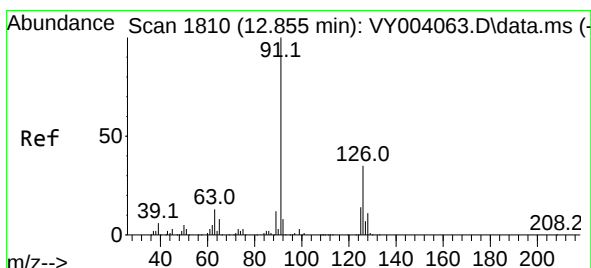
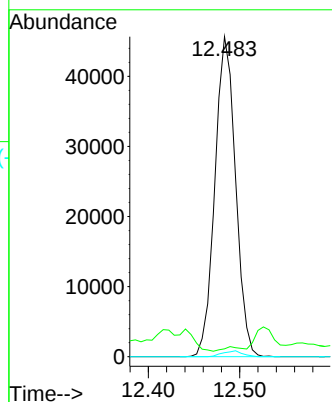
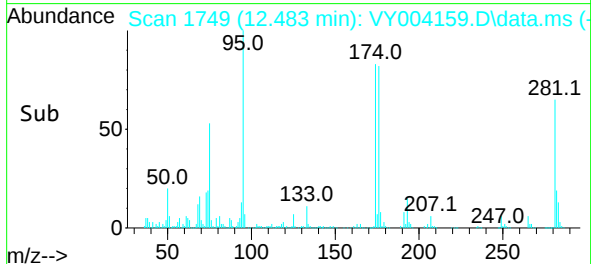


#81
trans-1,4-Dichloro-2-butene
Concen: 107.42 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.097 min
Lab File: VY004159.D
Acq: 22 Mar 2021 13:21

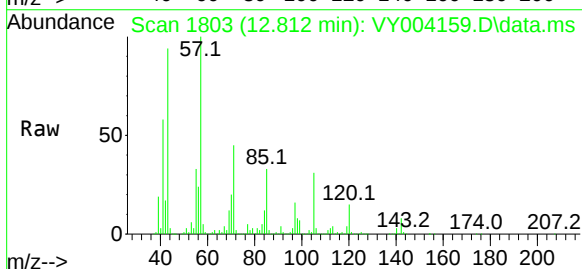
Instrument :
MSVOA_Y
ClientSampleId :



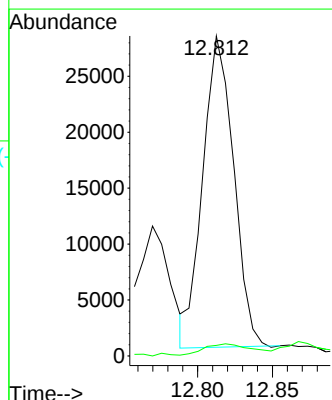
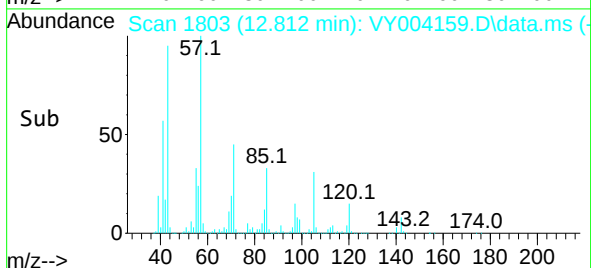
Tgt Ion: 75 Resp: 71797
Ion Ratio Lower Upper
75 100
53 1.1 73.5 110.3#
89 1.7 35.7 53.5#

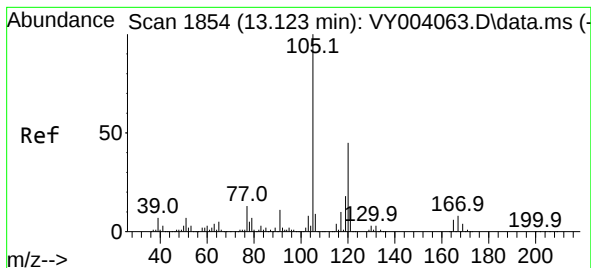


#82
4-Chlorotoluene
Concen: 5.97 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. -0.043 min
Lab File: VY004159.D
Acq: 22 Mar 2021 13:21



Tgt Ion: 91 Resp: 39932
Ion Ratio Lower Upper
91 100
126 5.5 16.8 50.4#

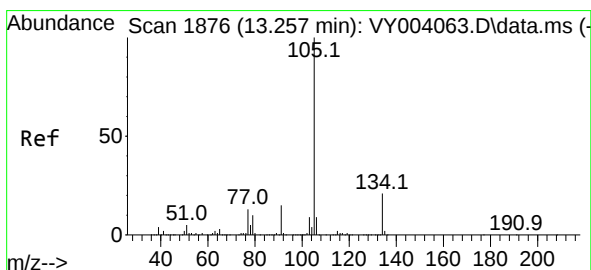
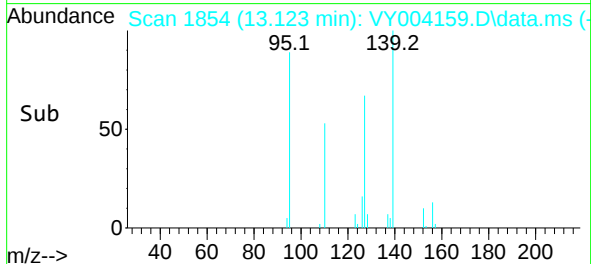
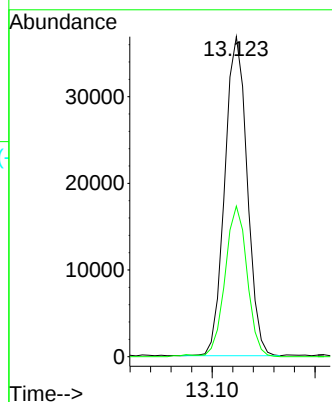
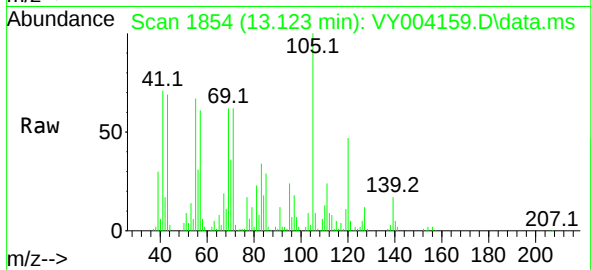




#84
1,2,4-Trimethylbenzene
Concen: 6.84 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.000 min
Lab File: VY004159.D
Acq: 22 Mar 2021 13:21

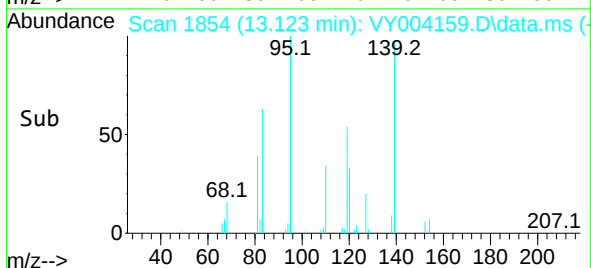
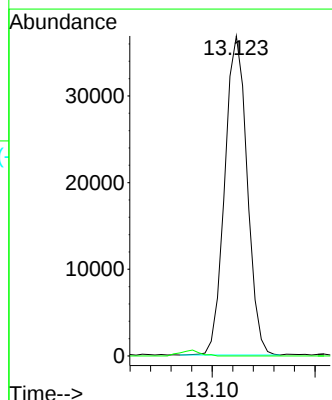
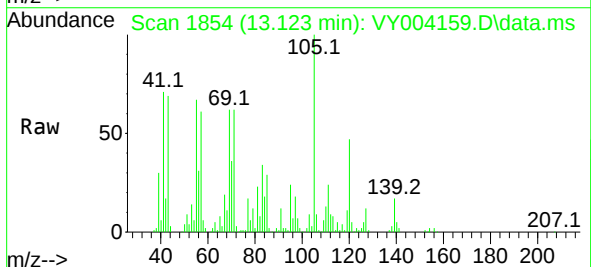
Instrument :
MSVOA_Y
ClientSampled :

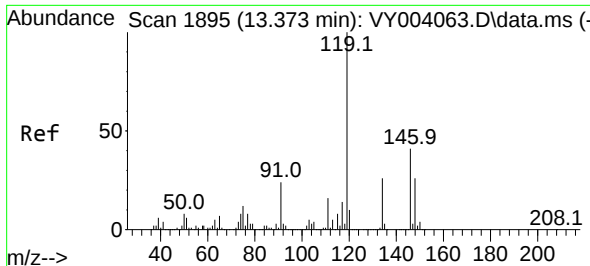
Tgt Ion:105 Resp: 55550
Ion Ratio Lower Upper
105 100
120 46.4 22.1 66.3



#85
sec-Butylbenzene
Concen: 5.77 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. -0.134 min
Lab File: VY004159.D
Acq: 22 Mar 2021 13:21

Tgt Ion:105 Resp: 55550
Ion Ratio Lower Upper
105 100
134 0.0 10.2 30.4#

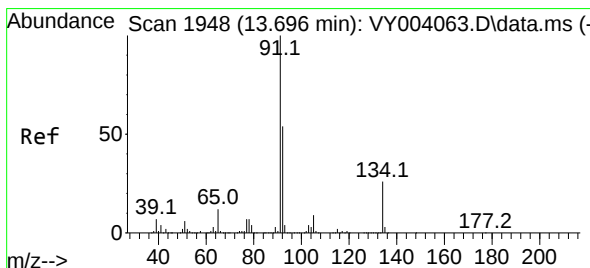
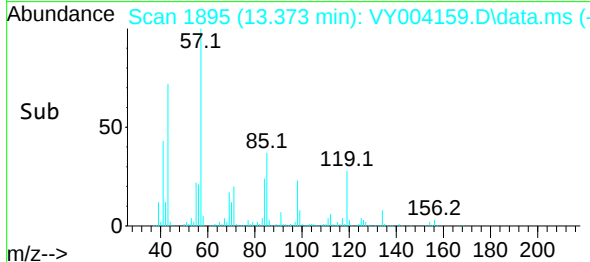
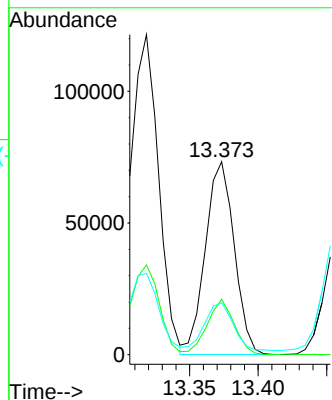
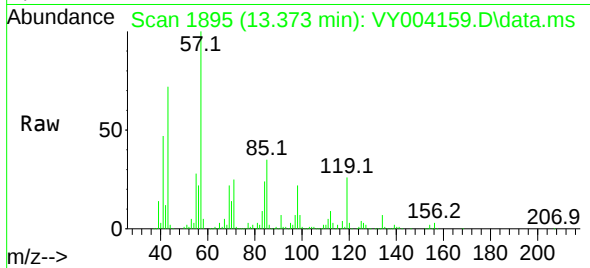




#86
p-Isopropyltoluene
Concen: 12.04 ug/l
RT: 13.373 min Scan# 1895
Delta R.T. 0.000 min
Lab File: VY004159.D
Acq: 22 Mar 2021 13:21

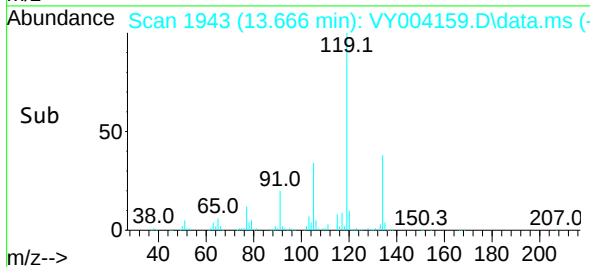
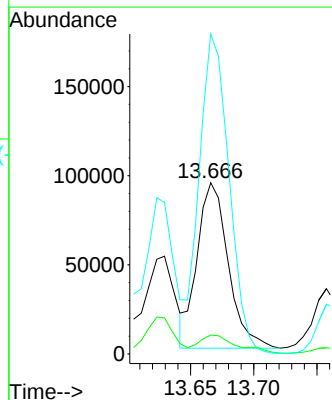
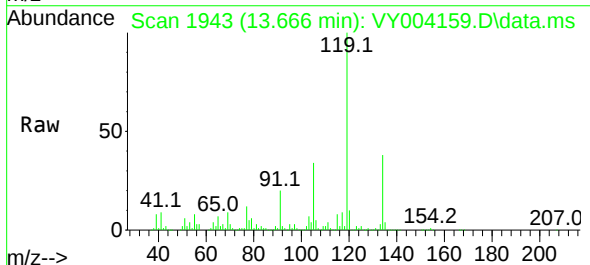
Instrument :
MSVOA_Y
ClientSampleId :

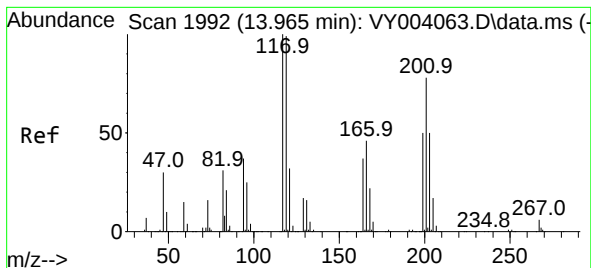
Tgt Ion:119 Resp: 107401
Ion Ratio Lower Upper
119 100
134 27.0 13.2 39.5
91 24.4 12.1 36.3



#89
n-Butylbenzene
Concen: 18.75 ug/l
RT: 13.666 min Scan# 1943
Delta R.T. -0.030 min
Lab File: VY004159.D
Acq: 22 Mar 2021 13:21

Tgt Ion: 91 Resp: 159128
Ion Ratio Lower Upper
91 100
92 13.1 26.5 79.4#
134 179.9 13.2 39.5#





#90

Hexachloroethane

Concen: 41.55 ug/l

RT: 13.977 min Scan# 1994

Delta R.T. 0.012 min

Lab File: VY004159.D

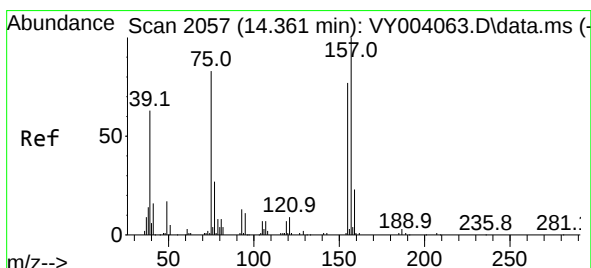
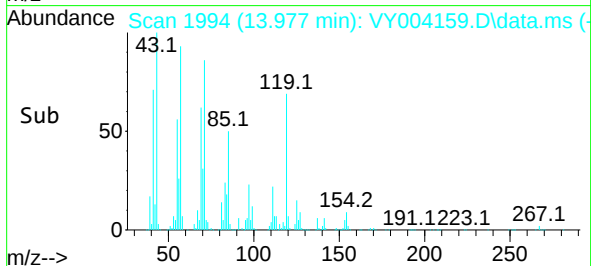
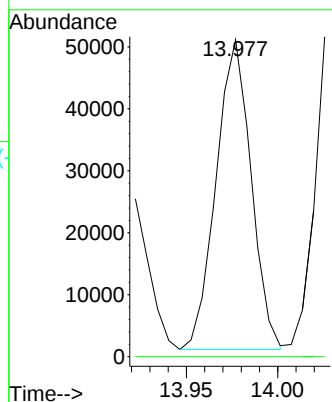
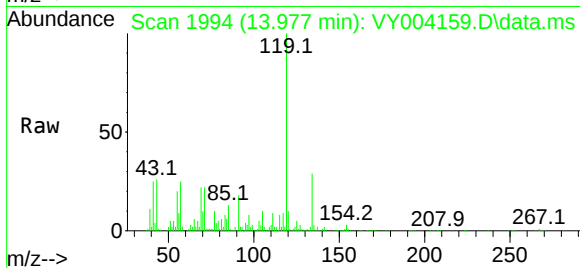
Acq: 22 Mar 2021 13:21

Tgt Ion:117 Resp: 66608

Ion Ratio Lower Upper

117 100

201 0.0 46.0 138.0#



#92

1,2-Dibromo-3-Chloropropane

Concen: 10.45 ug/l

RT: 14.379 min Scan# 2060

Delta R.T. 0.018 min

Lab File: VY004159.D

Acq: 22 Mar 2021 13:21

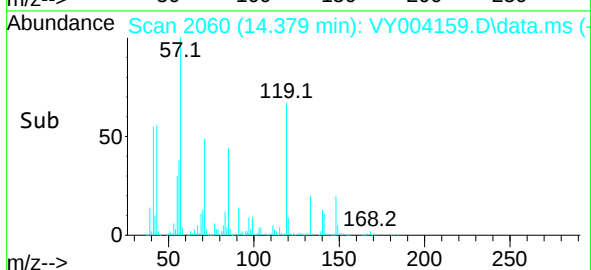
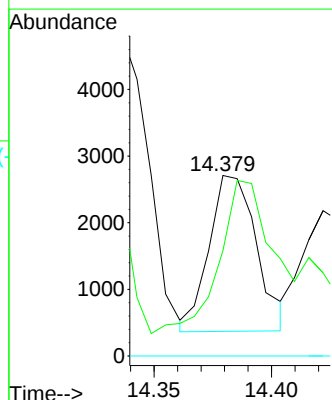
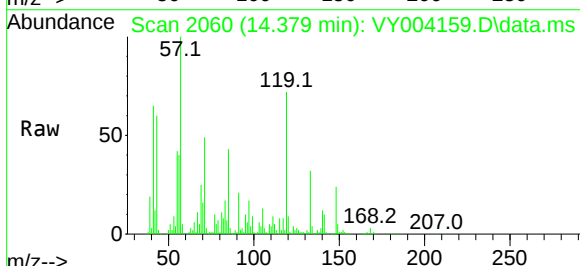
Tgt Ion: 75 Resp: 3281

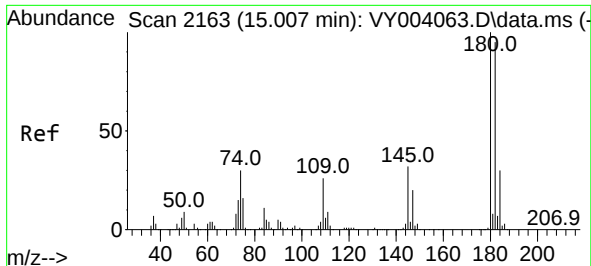
Ion Ratio Lower Upper

75 100

155 126.9 42.8 128.4

157 0.0 52.4 157.3#

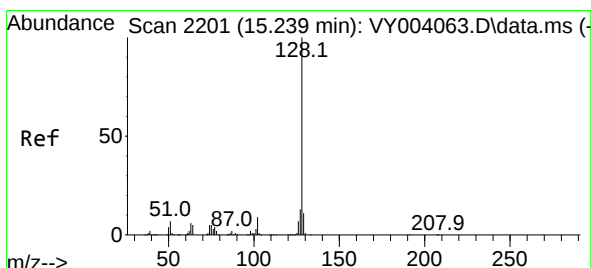
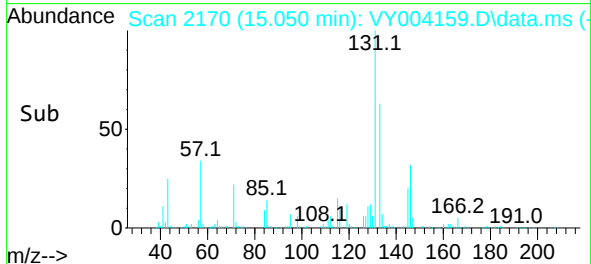
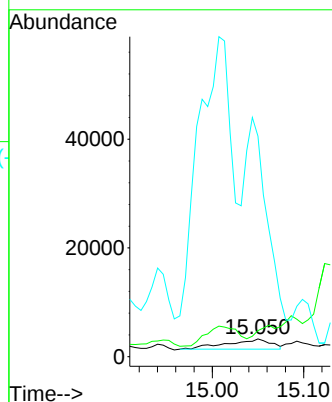
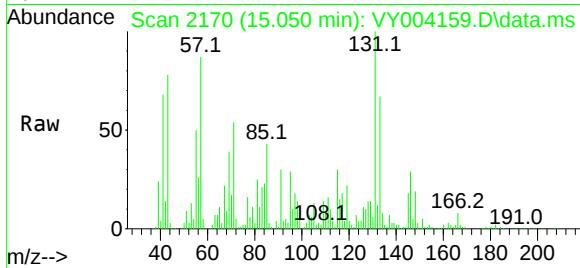




#93
1,2,4-Trichlorobenzene
Concen: 2.41 ug/l
RT: 15.050 min Scan# 2170
Delta R.T. 0.043 min
Lab File: VY004159.D
Acq: 22 Mar 2021 13:21

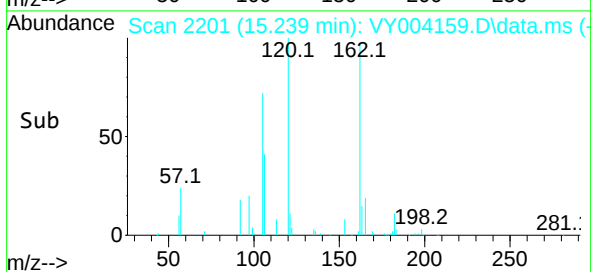
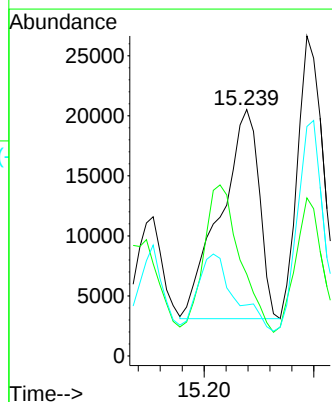
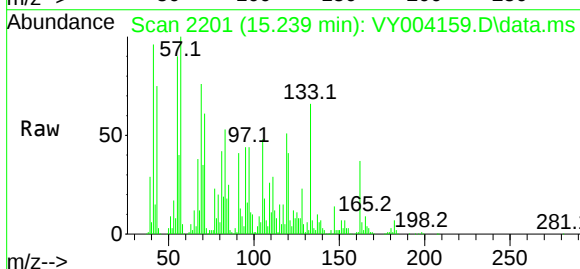
Instrument :
MSVOA_Y
ClientSampled :

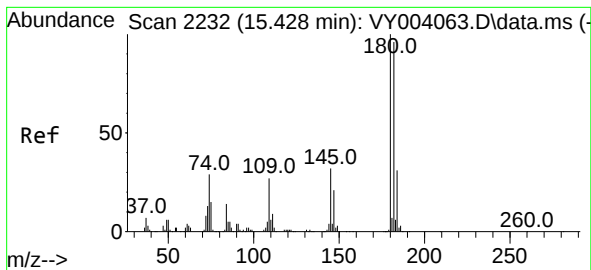
Tgt Ion:180 Resp: 6170
Ion Ratio Lower Upper
180 100
182 0.0 48.0 144.0#
145 1250.7 14.1 42.2#



#95
Naphthalene
Concen: 8.41 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY004159.D
Acq: 22 Mar 2021 13:21

Tgt Ion:128 Resp: 42721
Ion Ratio Lower Upper
128 100
127 0.0 10.6 16.0#
129 0.0 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 4.04 ug/l
 RT: 15.446 min Scan# 2235
 Delta R.T. 0.018 min
 Lab File: VY004159.D
 Acq: 22 Mar 2021 13:21

Instrument :
 MSVOA_Y
 ClientSampled :

Tgt Ion:180 Resp: 8705
 Ion Ratio Lower Upper
 180 100
 182 0.0 47.6 142.8#
 145 1171.9 15.3 45.9#

