

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051321\
 Data File : VY004768.D
 Acq On : 13 May 2021 17:31
 Operator : SY/MD
 Sample : M2383-06
 Misc : 3.19G/5ML/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: May 14 02:30:05 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051021S.M
 Quant Title : SW846 8260
 QLast Update : Tue May 11 04:13:44 2021
 Response via : Initial Calibration

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

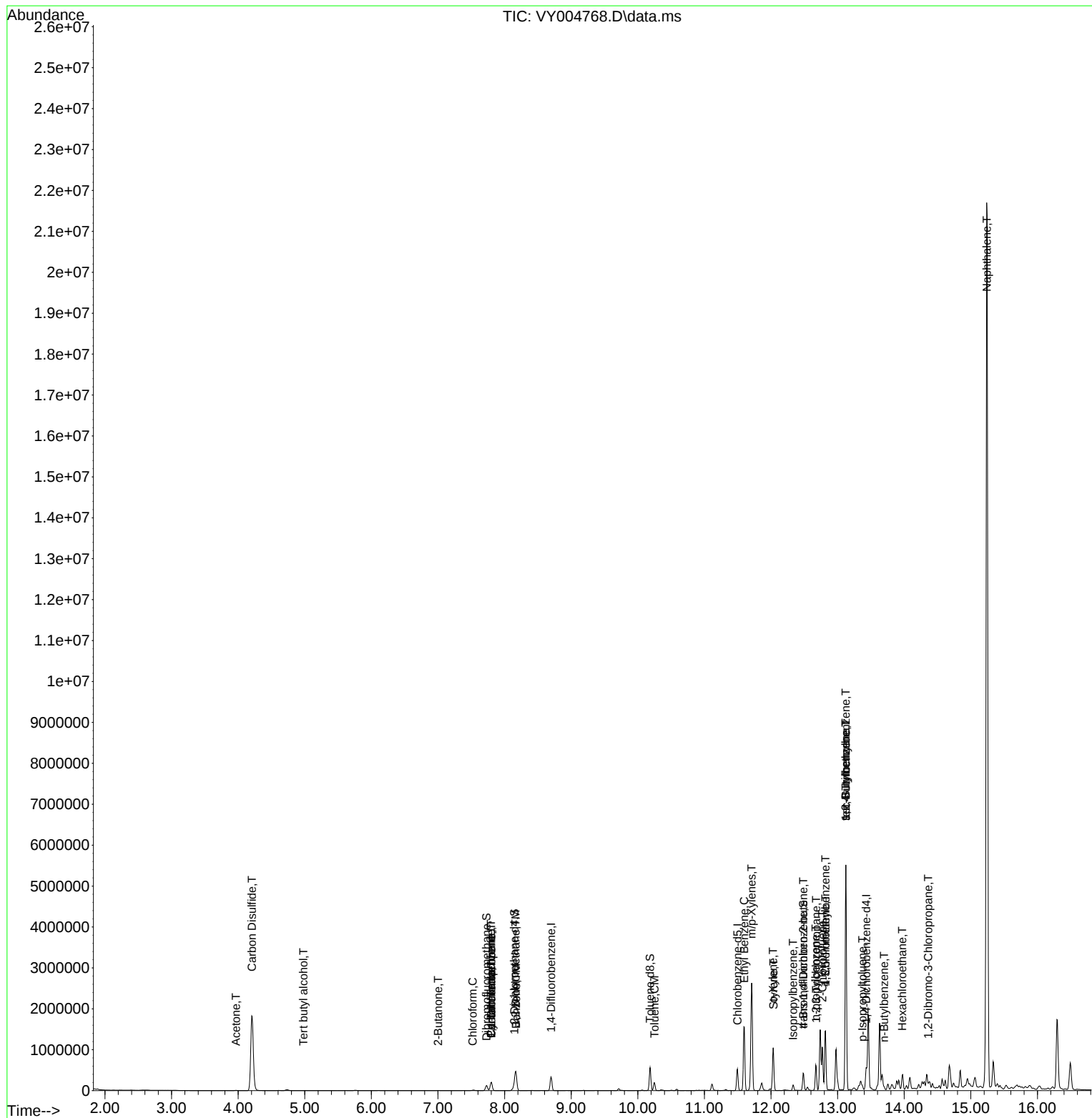
Internal Standards						
1) Pentafluorobenzene	7.801	168	151589	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	273152	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	259532	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	125619	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	102292	56.69	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 113.38%			
35) Dibromofluoromethane	7.728	113	84790	56.70	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 113.40%			
50) Toluene-d8	10.185	98	340130	50.35	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 100.70%			
62) 4-Bromofluorobenzene	12.483	95	119024	52.21	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 104.42%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.978	59	571	3.15	ug/l #	71
16) Acetone	3.966	43	12476	30.78	ug/l	90
17) Carbon Disulfide	4.204	76	3695950	807.73	ug/l	100
25) 2-Butanone	7.002	43	4959	6.89	ug/l	96
30) Chloroform	7.521	83	4367	1.40	ug/l	93
31) Cyclohexane	7.801	56	4518	1.55	ug/l #	26
36) 1,1-Dichloropropene	7.801	75	12965	4.63	ug/l #	50
38) Carbon Tetrachloride	7.795	117	15068	5.99	ug/l #	16
40) Benzene	8.173	78	394138	49.80	ug/l	100
42) 1,2-Dichloroethane	8.167	62	3767	1.51	ug/l	81
52) Toluene	10.252	92	76865	15.38	ug/l	97
67) Ethyl Benzene	11.599	91	1046733	105.48	ug/l	98
68) m/p-Xylenes	11.709	106	719748	193.03	ug/l	100
69) o-Xylene	12.032	106	259449	74.45	ug/l	98
70) Styrene	12.038	104	20606	3.53	ug/l #	1
73) Isopropylbenzene	12.331	105	80665	8.51	ug/l	99
76) 1,2,3-Trichloropropane	12.678	75	3391	2.54	ug/l #	100
78) n-propylbenzene	12.672	91	454305	39.28	ug/l	100
79) 2-Chlorotoluene	12.770	91	61819	9.74	ug/l #	41
80) 1,3,5-Trimethylbenzene	12.818	105	735052	93.39	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.483	75	67715	88.00	ug/l #	13
82) 4-Chlorotoluene	12.818	91	78861	11.97	ug/l #	41
83) tert-Butylbenzene	13.123	119	330888	49.25	ug/l #	61
84) 1,2,4-Trimethylbenzene	13.123	105	2750417	349.15	ug/l	100
85) sec-Butylbenzene	13.123	105	2750417	281.56	ug/l #	57
86) p-Isopropyltoluene	13.373	119	46045	5.44	ug/l	96
89) n-Butylbenzene	13.696	91	32406	3.91	ug/l #	67
90) Hexachloroethane	13.971	117	29802	24.99	ug/l #	14
92) 1,2-Dibromo-3-Chloropr...	14.361	75	4519	12.79	ug/l #	4
95) Naphthalene	15.239	128	15553768	3013.47	ug/l #	92

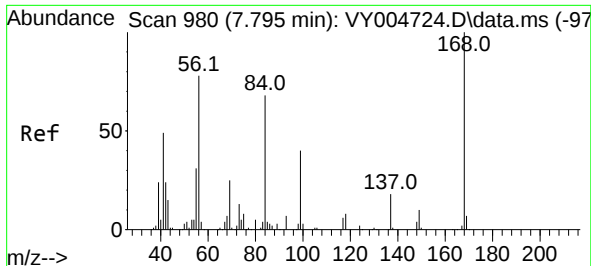
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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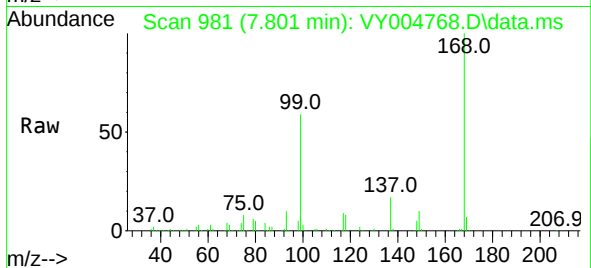
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051021S.M
Quant Title : SW846 8260
QLast Update : Tue May 11 04:13:44 2021
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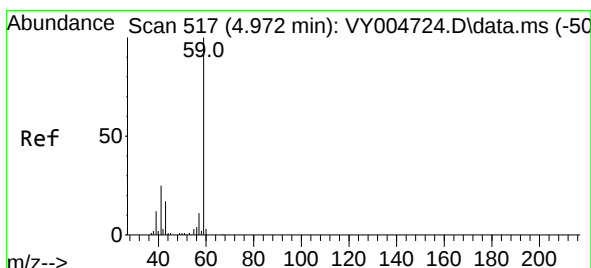
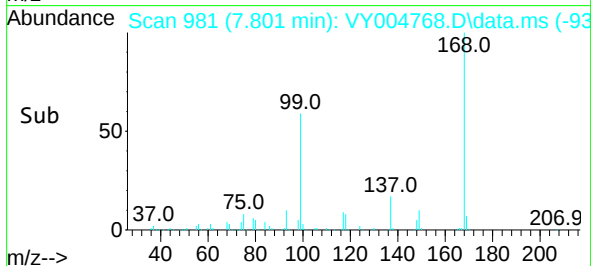
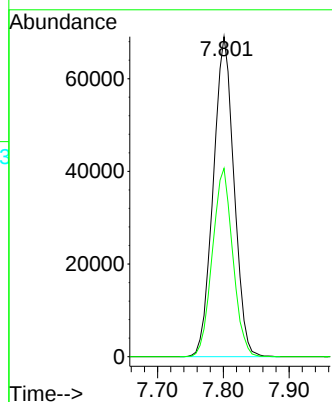


#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.006 min
Lab File: VY004768.D
Acq: 13 May 2021 17:31

Instrument :
MSVOA_Y
ClientSampleId :

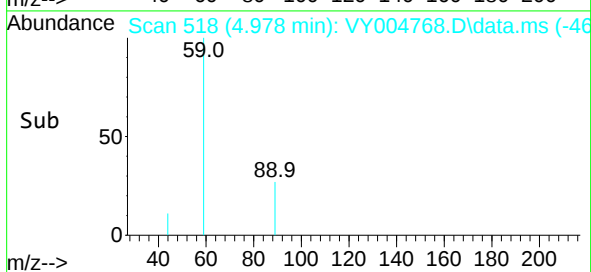
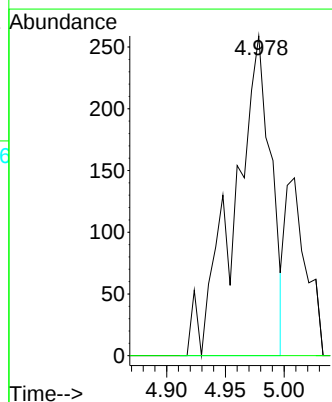
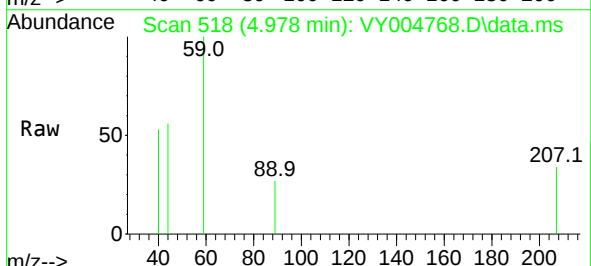


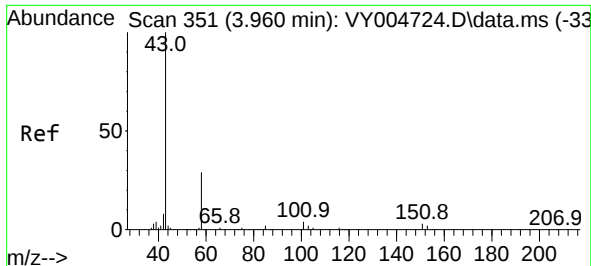
Tgt Ion:168 Resp: 151589
Ion Ratio Lower Upper
168 100
99 58.8 45.6 68.4



#11
Tert butyl alcohol
Concen: 3.15 ug/l
RT: 4.978 min Scan# 518
Delta R.T. 0.006 min
Lab File: VY004768.D
Acq: 13 May 2021 17:31

Tgt Ion: 59 Resp: 571
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#

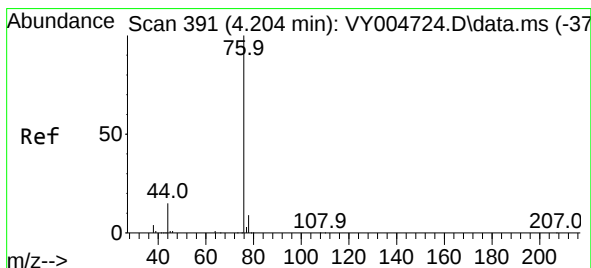
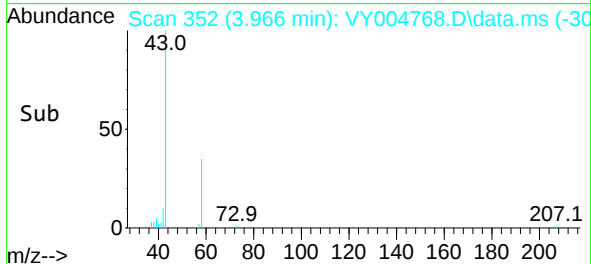
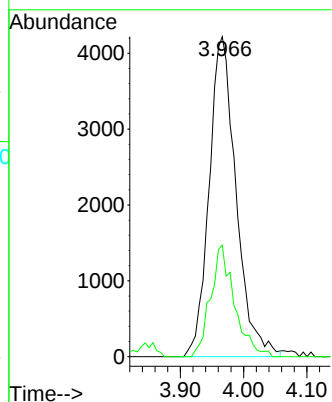
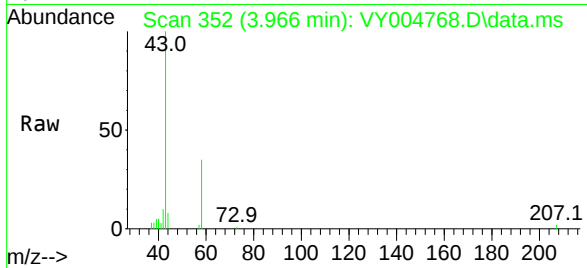




#16
Acetone
Concen: 30.78 ug/l
RT: 3.966 min Scan# 352
Delta R.T. 0.006 min
Lab File: VY004768.D
Acq: 13 May 2021 17:31

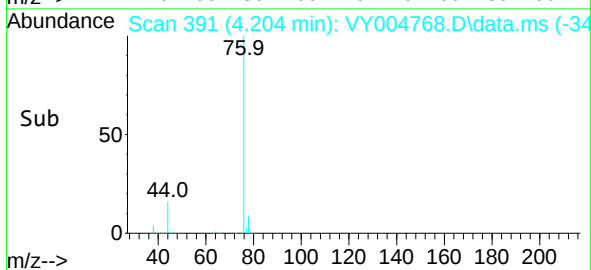
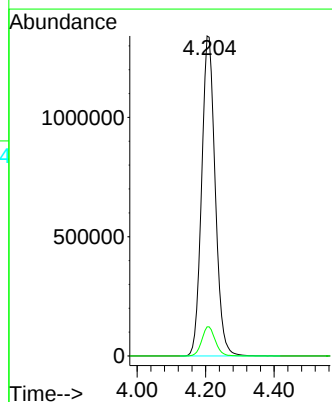
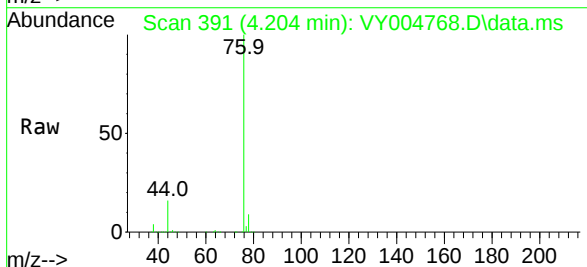
Instrument :
MSVOA_Y
ClientSampled :

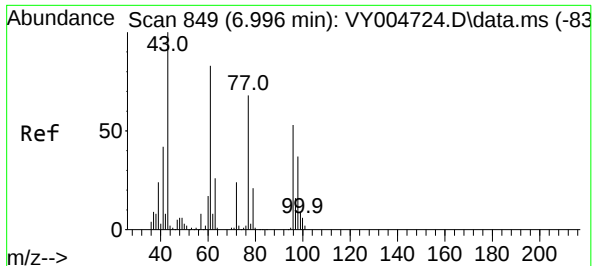
Tgt Ion: 43 Resp: 12476
Ion Ratio Lower Upper
43 100
58 34.8 23.6 35.4



#17
Carbon Disulfide
Concen: 807.73 ug/l
RT: 4.204 min Scan# 391
Delta R.T. -0.000 min
Lab File: VY004768.D
Acq: 13 May 2021 17:31

Tgt Ion: 76 Resp: 3695950
Ion Ratio Lower Upper
76 100
78 9.1 7.2 10.8





#25

2-Butanone

Concen: 6.89 ug/l

RT: 7.002 min Scan# 850

Delta R.T. 0.006 min

Lab File: VY004768.D

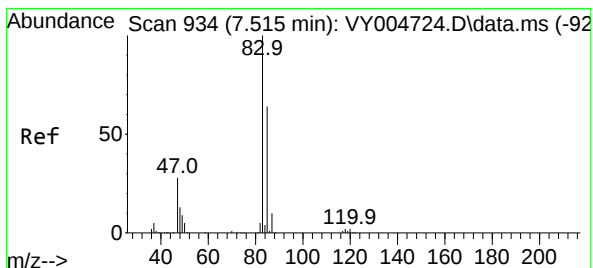
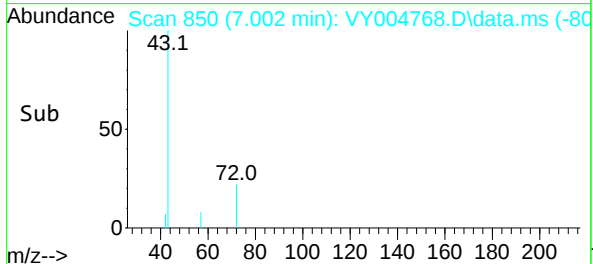
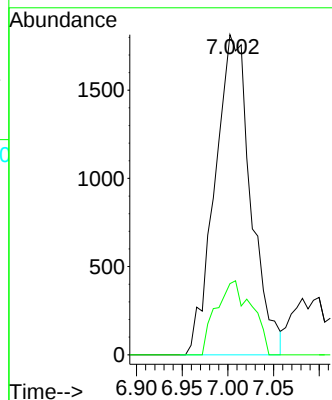
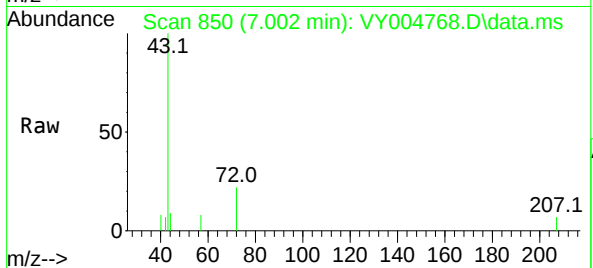
Acq: 13 May 2021 17:31

Tgt Ion: 43 Resp: 4959

Ion Ratio Lower Upper

43 100

72 22.2 19.4 29.0



#30

Chloroform

Concen: 1.40 ug/l

RT: 7.521 min Scan# 935

Delta R.T. 0.006 min

Lab File: VY004768.D

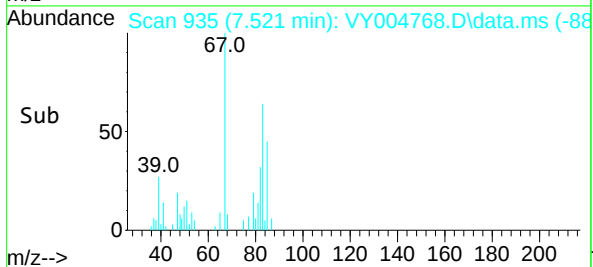
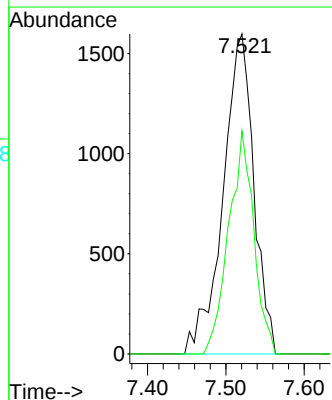
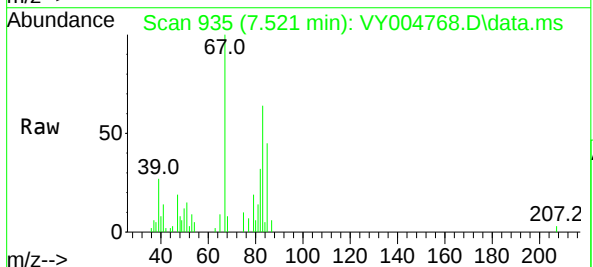
Acq: 13 May 2021 17:31

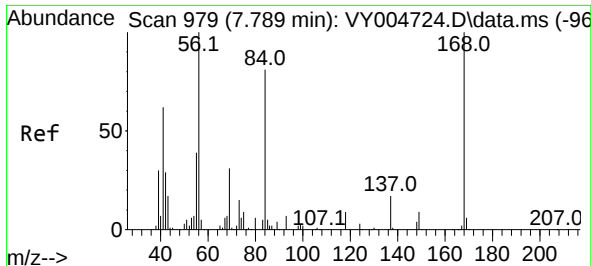
Tgt Ion: 83 Resp: 4367

Ion Ratio Lower Upper

83 100

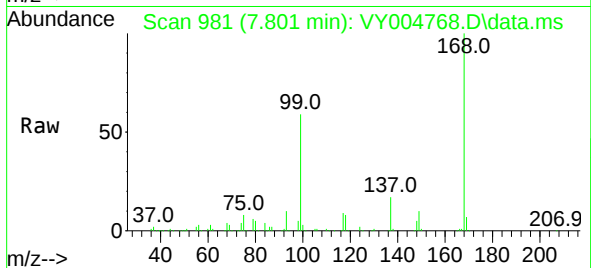
85 69.6 51.3 76.9



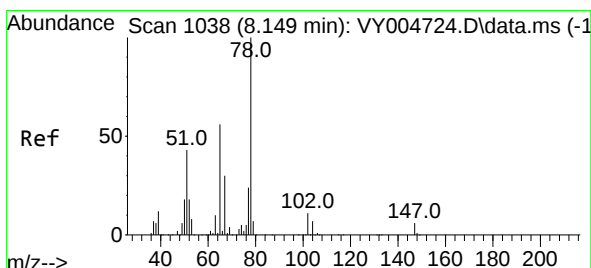
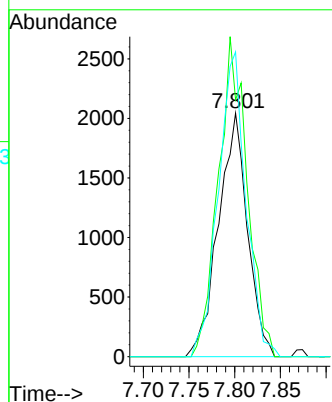
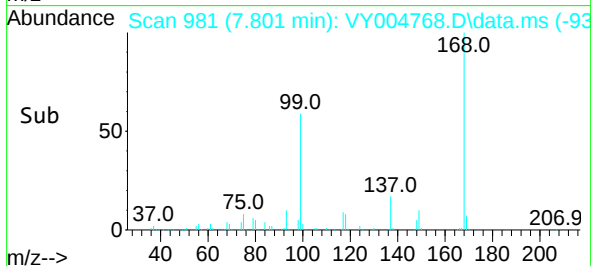


#31
Cyclohexane
Concen: 1.55 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.012 min
Lab File: VY004768.D
Acq: 13 May 2021 17:31

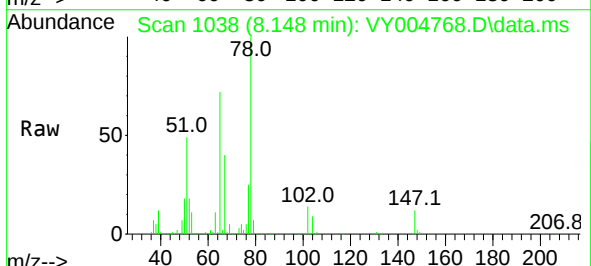
Instrument :
MSVOA_Y
ClientSampleId :



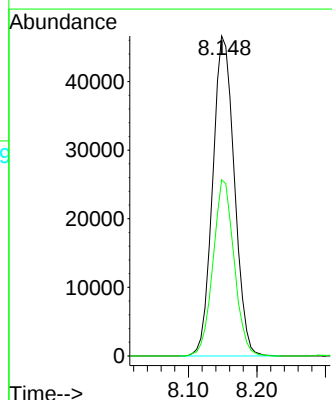
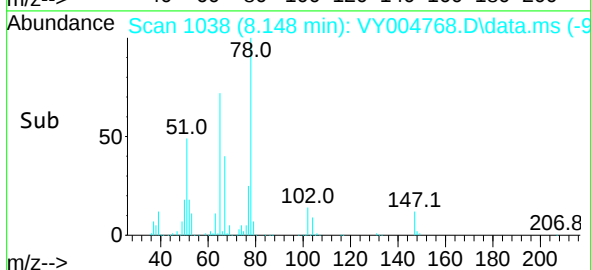
Tgt Ion: 56 Resp: 4518
Ion Ratio Lower Upper
56 100
69 105.4 24.4 36.6#
84 125.1 64.8 97.2#

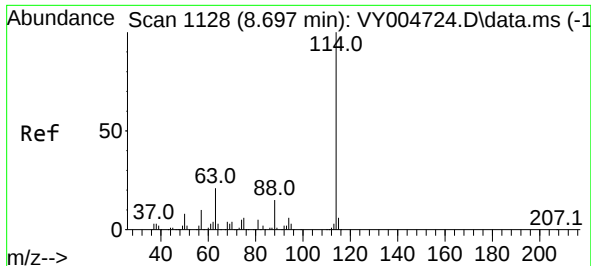


#33
1,2-Dichloroethane-d4
Concen: 56.69 ug/l
RT: 8.148 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VY004768.D
Acq: 13 May 2021 17:31



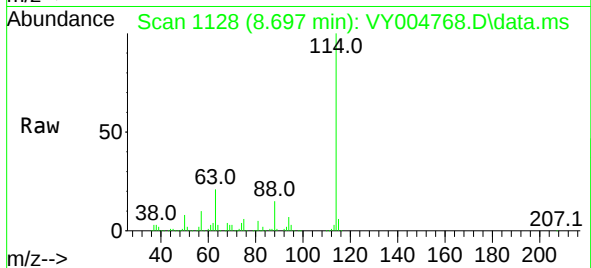
Tgt Ion: 65 Resp: 102292
Ion Ratio Lower Upper
65 100
67 53.7 0.0 108.0



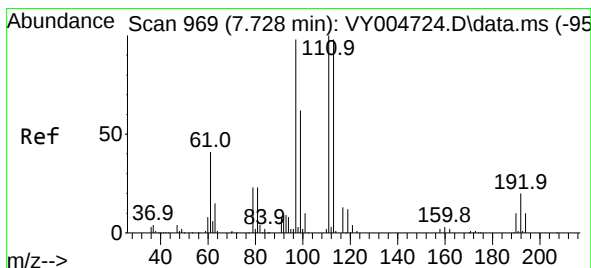
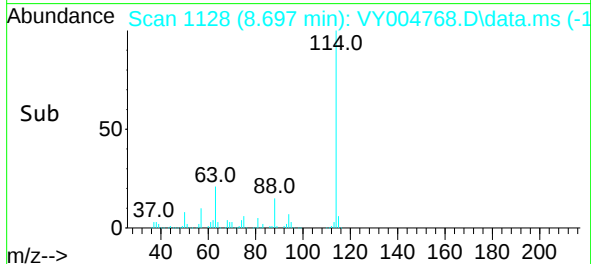
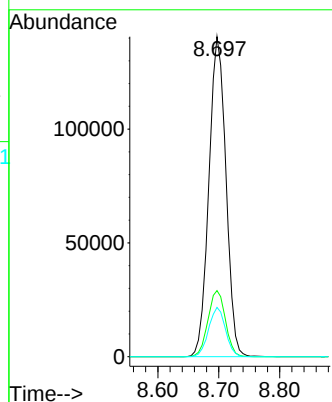


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VY004768.D
Acq: 13 May 2021 17:31

Instrument :
MSVOA_Y
ClientSampled :

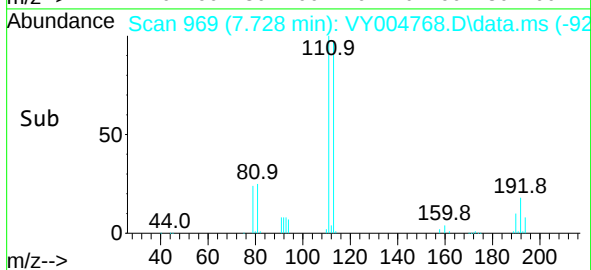
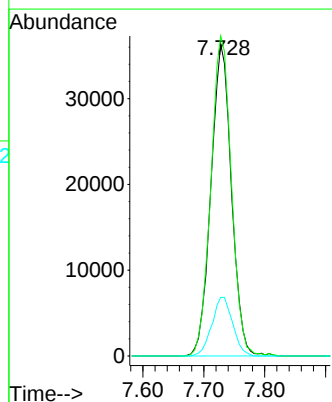
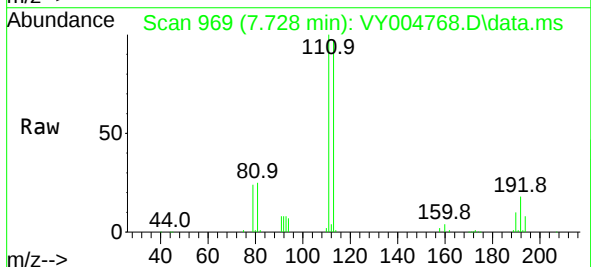


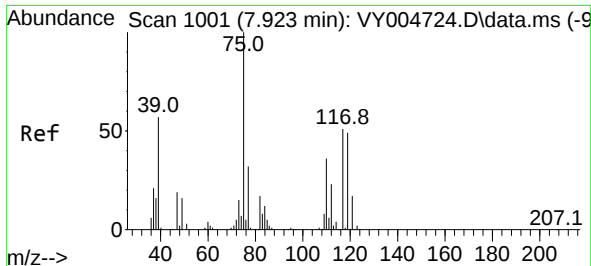
Tgt Ion:114 Resp: 273152
Ion Ratio Lower Upper
114 100
63 20.7 0.0 42.8
88 15.4 0.0 31.0



#35
Dibromofluoromethane
Concen: 56.70 ug/l
RT: 7.728 min Scan# 969
Delta R.T. -0.000 min
Lab File: VY004768.D
Acq: 13 May 2021 17:31

Tgt Ion:113 Resp: 84790
Ion Ratio Lower Upper
113 100
111 103.1 80.5 120.7
192 19.1 15.0 22.6





#36

1,1-Dichloropropene

Concen: 4.63 ug/l

RT: 7.801 min Scan# 981

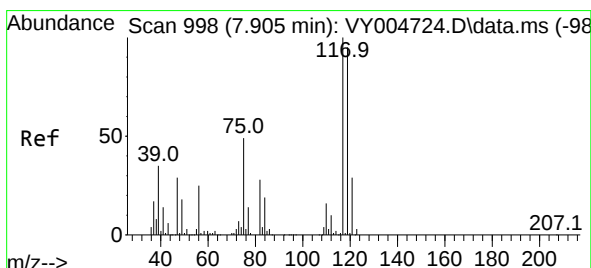
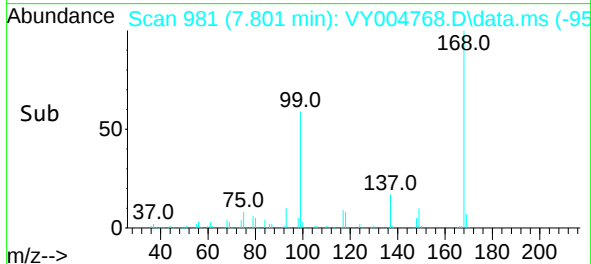
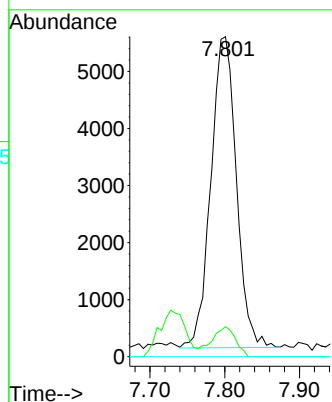
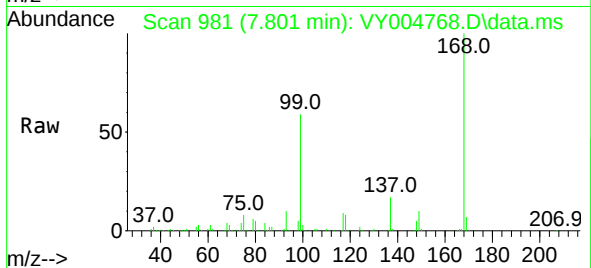
Delta R.T. -0.122 min

Lab File: VY004768.D

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MSVOA_Y
ClientSampleId :

Tgt Ion: 75	Resp: 12965
Ion Ratio	Lower Upper
75 100	
110 8.9	17.0 50.9#
77 0.0	25.0 37.4#



#38

Carbon Tetrachloride

Concen: 5.99 ug/l

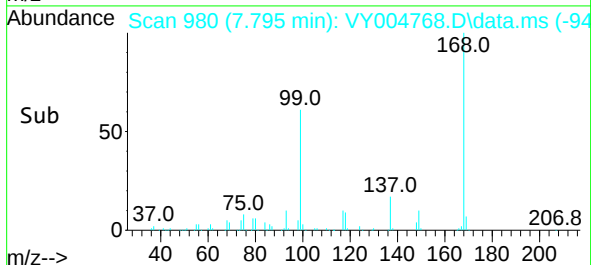
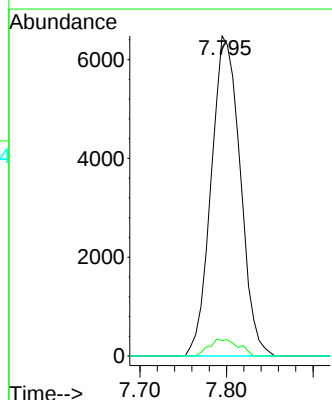
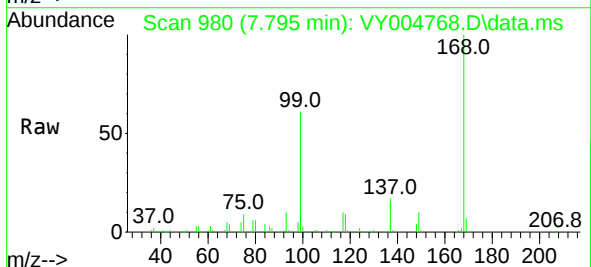
RT: 7.795 min Scan# 980

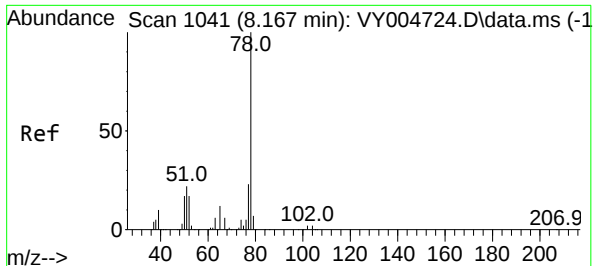
Delta R.T. -0.110 min

Lab File: VY004768.D

Acq: 13 May 2021 17:31

Tgt Ion: 117	Resp: 15068
Ion Ratio	Lower Upper
117 100	
119 4.8	76.3 114.5#
121 0.0	23.0 34.6#

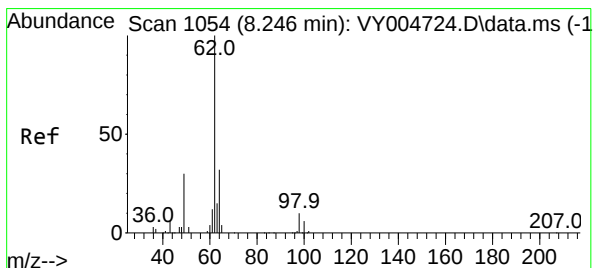
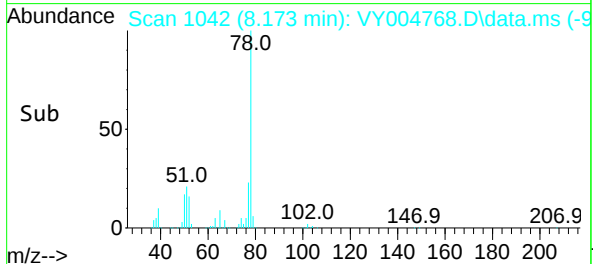
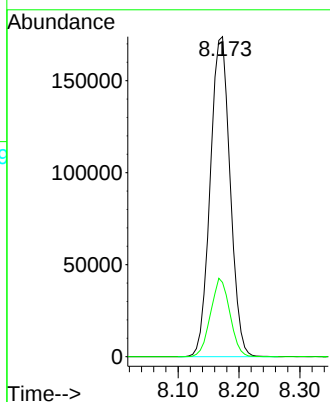
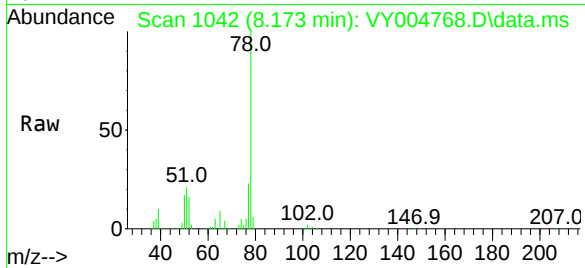




#40
Benzene
Concen: 49.80 ug/l
RT: 8.173 min Scan# 1042
Delta R.T. 0.006 min
Lab File: VY004768.D
Acq: 13 May 2021 17:31

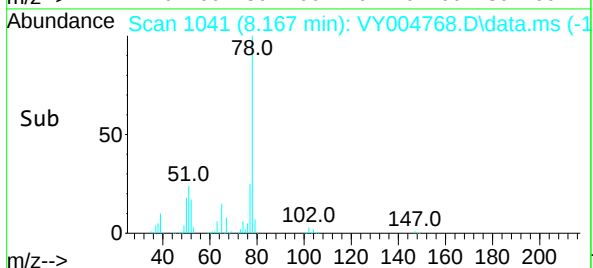
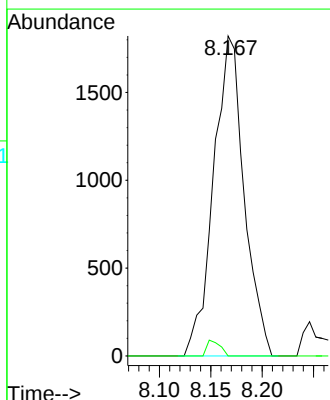
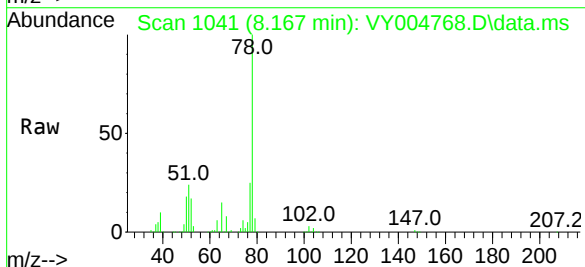
Instrument :
MSVOA_Y
ClientSampled :

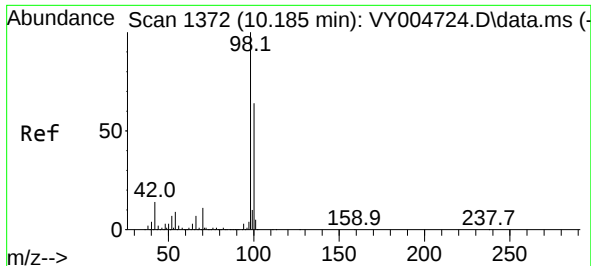
Tgt Ion: 78 Resp: 394138
Ion Ratio Lower Upper
78 100
77 23.2 18.4 27.6



#42
1,2-Dichloroethane
Concen: 1.51 ug/l
RT: 8.167 min Scan# 1041
Delta R.T. -0.079 min
Lab File: VY004768.D
Acq: 13 May 2021 17:31

Tgt Ion: 62 Resp: 3767
Ion Ratio Lower Upper
62 100
98 2.1 0.0 18.2

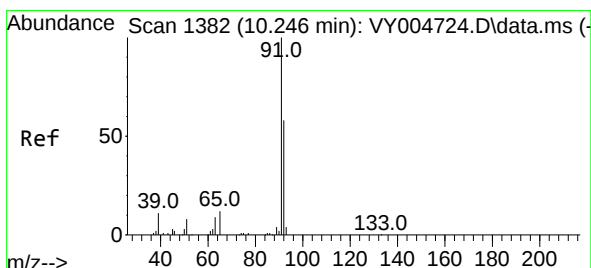
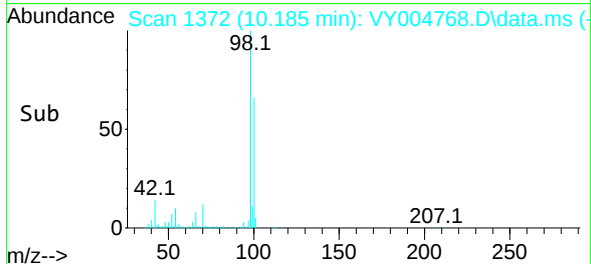
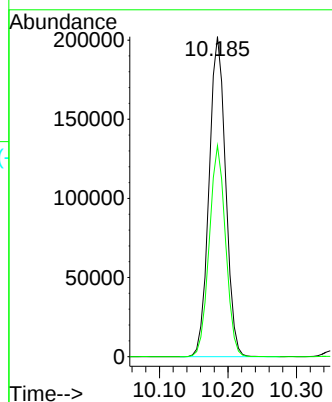
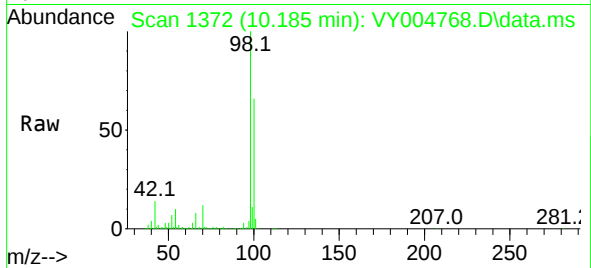




#50
Toluene-d8
Concen: 50.35 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY004768.D
Acq: 13 May 2021 17:31

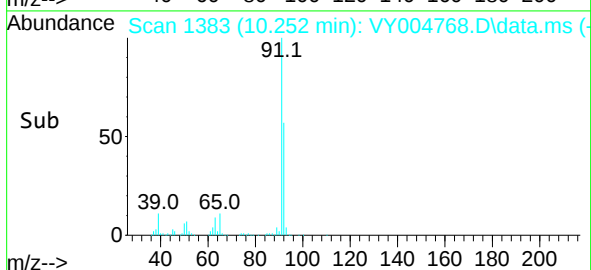
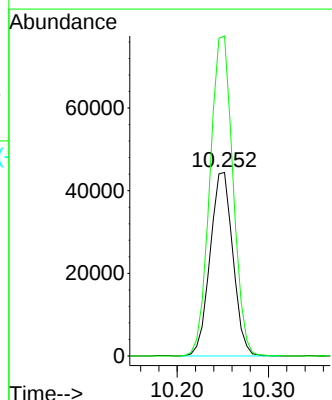
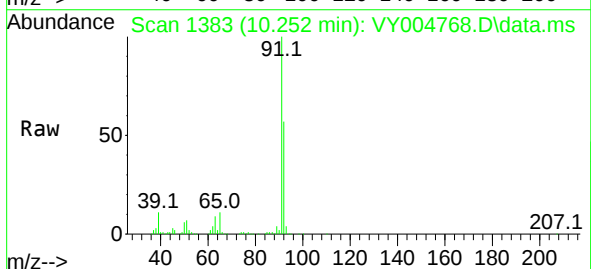
Instrument :
MSVOA_Y
ClientSampleId :

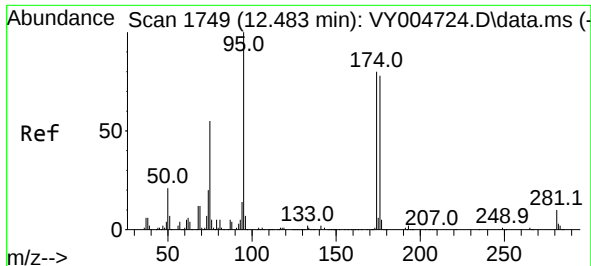
Tgt Ion: 98 Resp: 340130
Ion Ratio Lower Upper
98 100
100 65.0 51.5 77.3



#52
Toluene
Concen: 15.38 ug/l
RT: 10.252 min Scan# 1383
Delta R.T. 0.006 min
Lab File: VY004768.D
Acq: 13 May 2021 17:31

Tgt Ion: 92 Resp: 76865
Ion Ratio Lower Upper
92 100
91 176.4 138.2 207.4

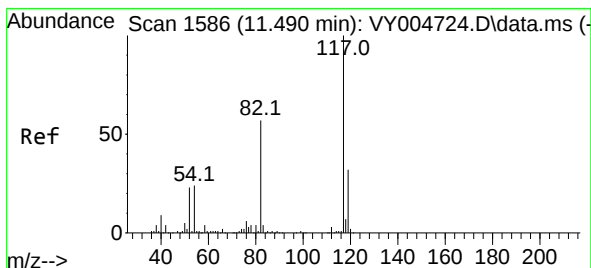
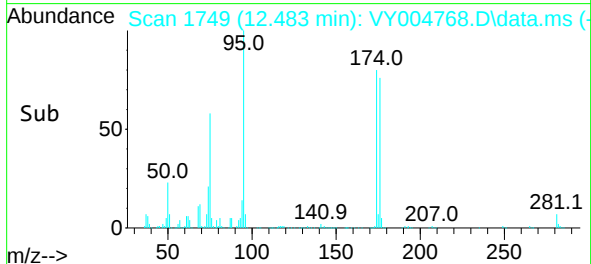
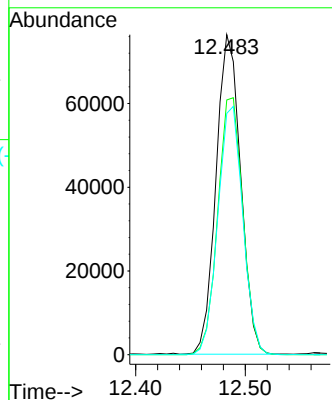
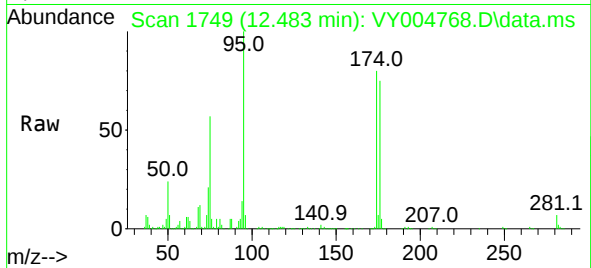




#62
4-Bromofluorobenzene
Concen: 52.21 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY004768.D
Acq: 13 May 2021 17:31

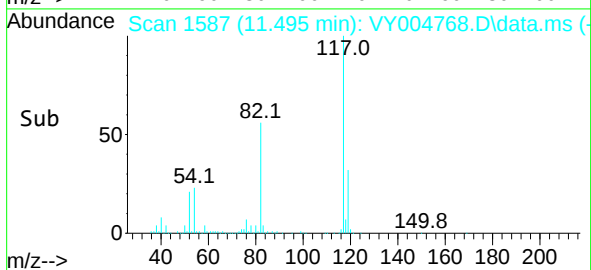
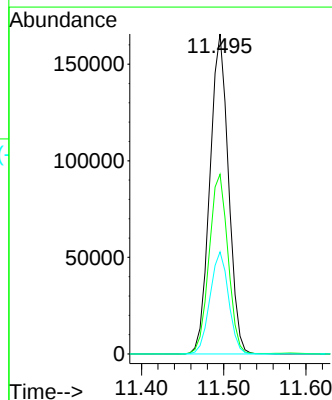
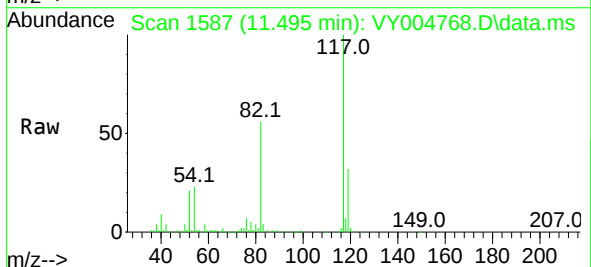
Instrument :
MSVOA_Y
ClientSampleId :

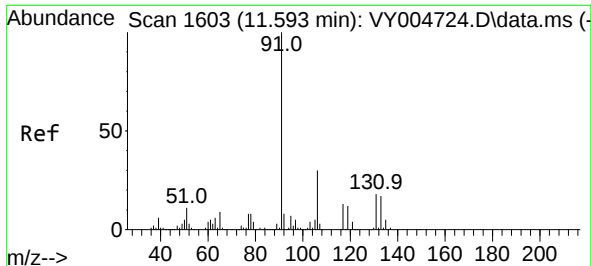
Tgt Ion: 95 Resp: 119024
Ion Ratio Lower Upper
95 100
174 82.0 0.0 164.2
176 78.9 0.0 159.0



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. 0.006 min
Lab File: VY004768.D
Acq: 13 May 2021 17:31

Tgt Ion:117 Resp: 259532
Ion Ratio Lower Upper
117 100
82 56.2 45.4 68.2
119 31.9 25.8 38.6

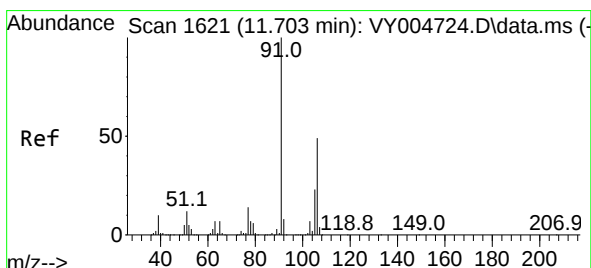
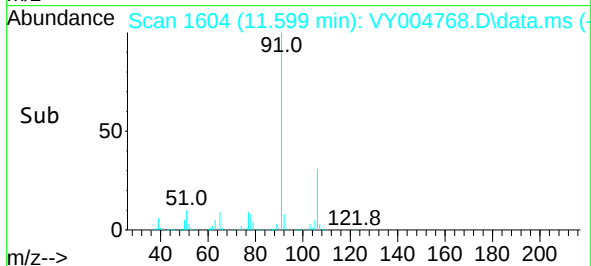
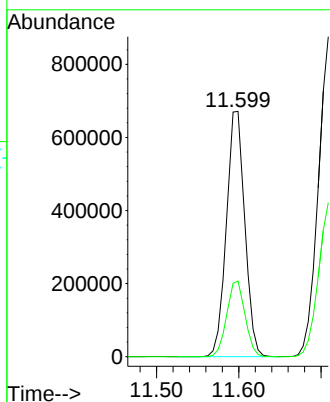
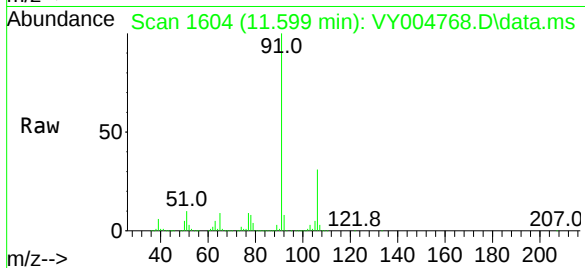




#67
Ethyl Benzene
Concen: 105.48 ug/l
RT: 11.599 min Scan# 1604
Delta R.T. 0.006 min
Lab File: VY004768.D
Acq: 13 May 2021 17:31

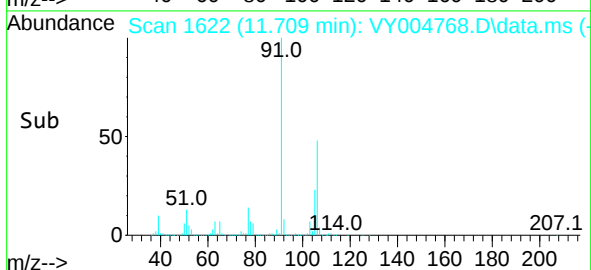
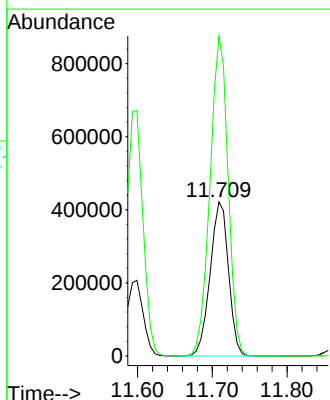
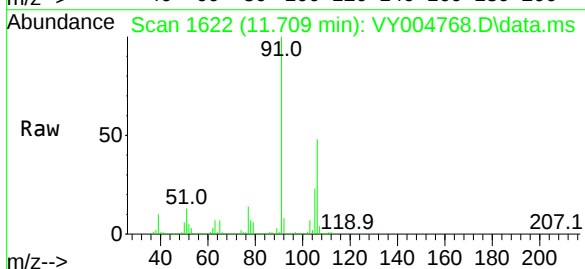
Instrument :
MSVOA_Y
ClientSampled :

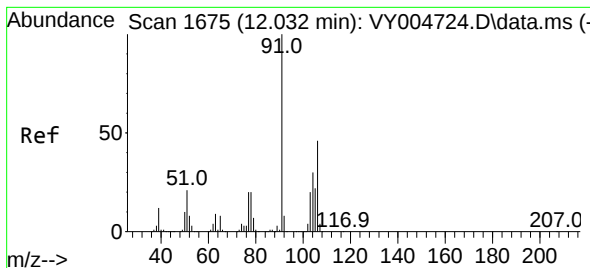
Tgt Ion: 91 Resp: 1046733
Ion Ratio Lower Upper
91 100
106 30.8 24.0 36.0



#68
m/p-Xylenes
Concen: 193.03 ug/l
RT: 11.709 min Scan# 1622
Delta R.T. 0.006 min
Lab File: VY004768.D
Acq: 13 May 2021 17:31

Tgt Ion: 106 Resp: 719748
Ion Ratio Lower Upper
106 100
91 204.8 163.6 245.4

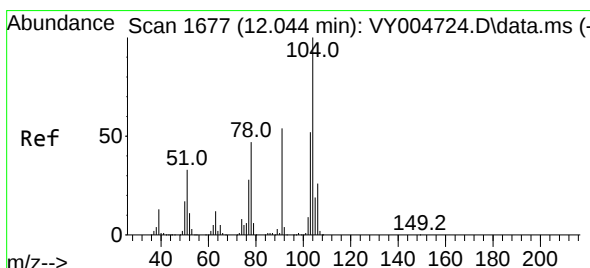
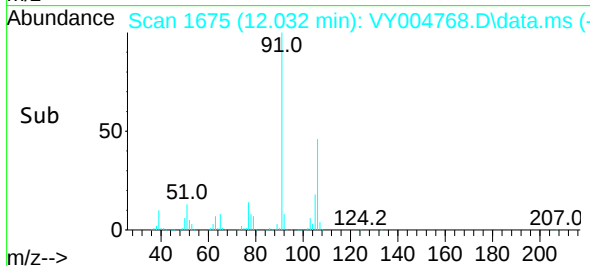
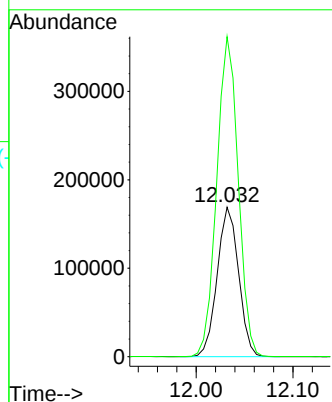
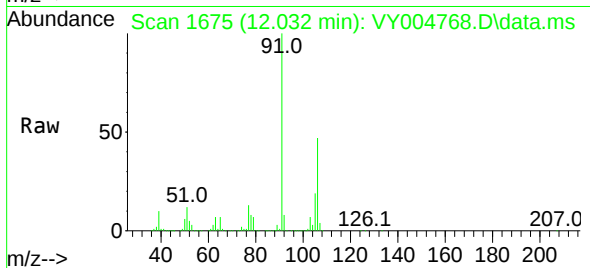




#69
o-Xylene
Concen: 74.45 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VY004768.D
Acq: 13 May 2021 17:31

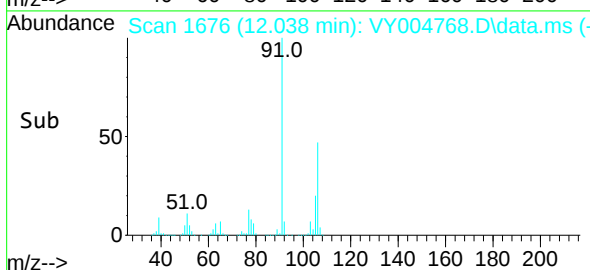
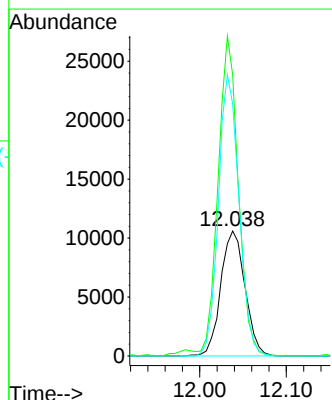
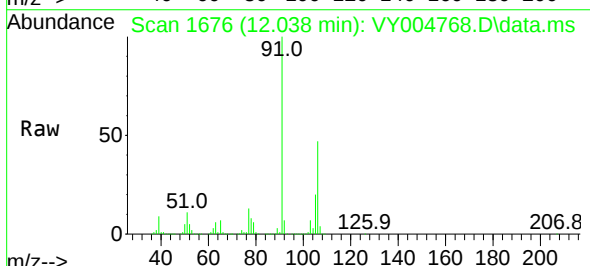
Instrument :
MSVOA_Y
ClientSampleId :

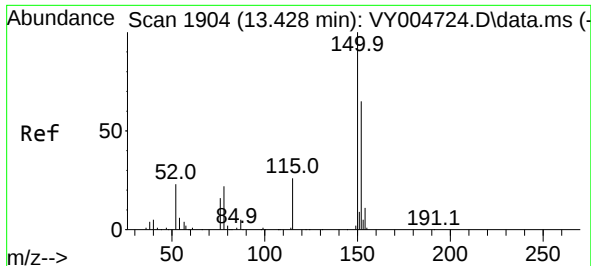
Tgt Ion:106 Resp: 259449
Ion Ratio Lower Upper
106 100
91 214.8 108.9 326.7



#70
Styrene
Concen: 3.53 ug/l
RT: 12.038 min Scan# 1676
Delta R.T. -0.006 min
Lab File: VY004768.D
Acq: 13 May 2021 17:31

Tgt Ion:104 Resp: 20606
Ion Ratio Lower Upper
104 100
78 213.2 40.3 60.5#
103 191.6 44.2 66.4#

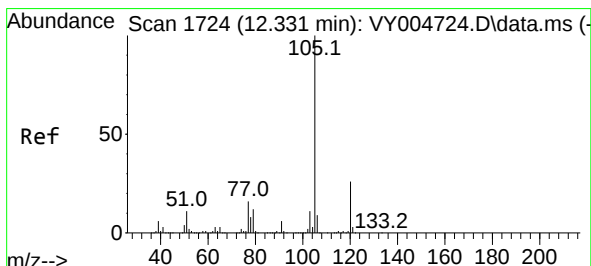
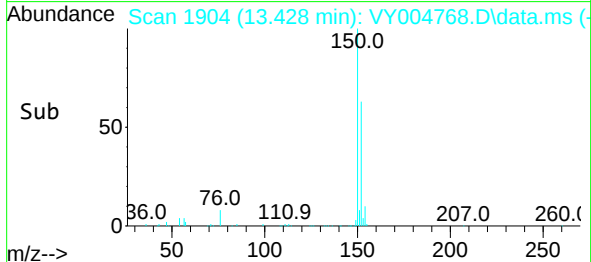
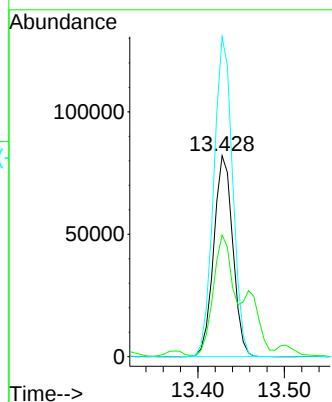
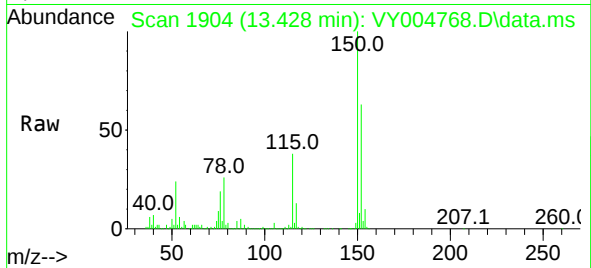




#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY004768.D
Acq: 13 May 2021 17:31

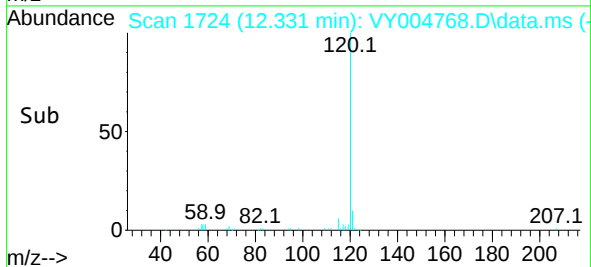
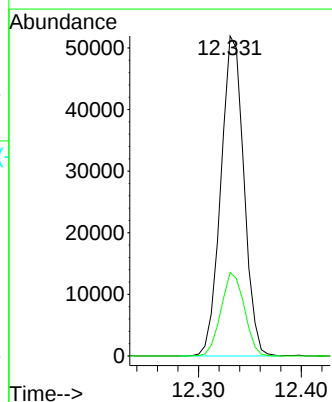
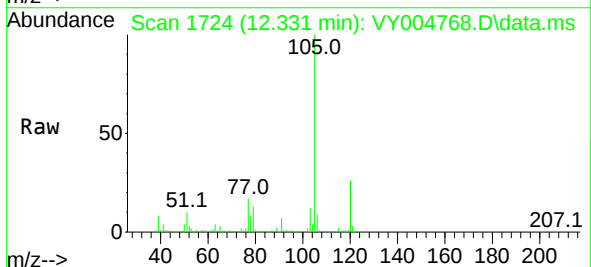
Instrument :
MSVOA_Y
ClientSampleId :

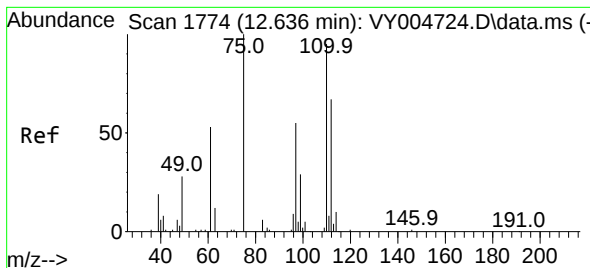
Tgt Ion:152 Resp: 125619
Ion Ratio Lower Upper
152 100
115 61.9 29.4 88.3
150 157.7 0.0 349.8



#73
Isopropylbenzene
Concen: 8.51 ug/l
RT: 12.331 min Scan# 1724
Delta R.T. -0.000 min
Lab File: VY004768.D
Acq: 13 May 2021 17:31

Tgt Ion:105 Resp: 80665
Ion Ratio Lower Upper
105 100
120 26.4 13.1 39.1

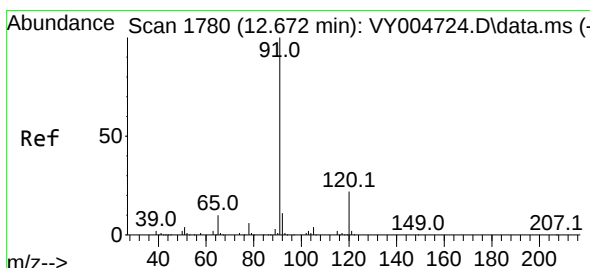
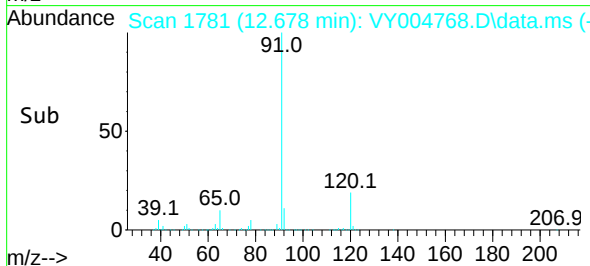
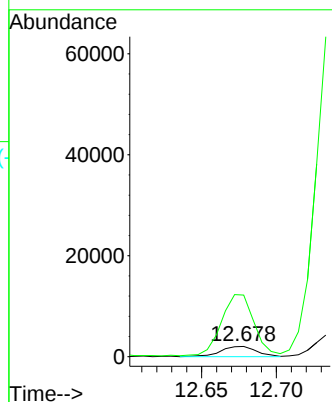
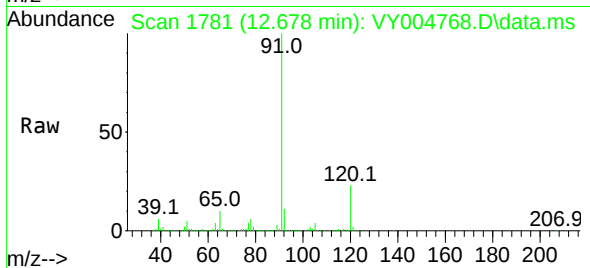




#76
1,2,3-Trichloropropane
Concen: 2.54 ug/l
RT: 12.678 min Scan# 1781
Delta R.T. 0.042 min
Lab File: VY004768.D
Acq: 13 May 2021 17:31

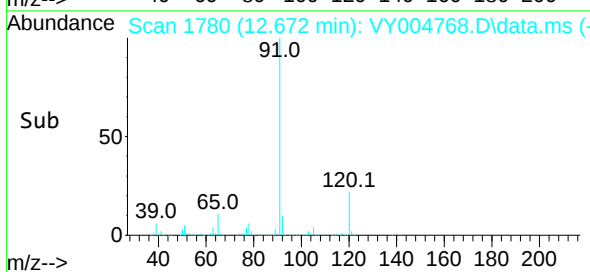
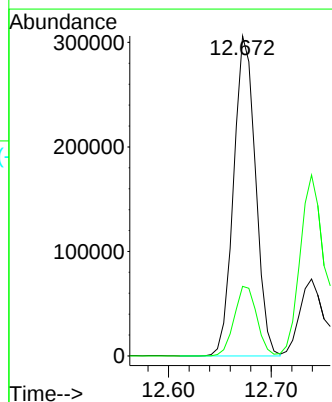
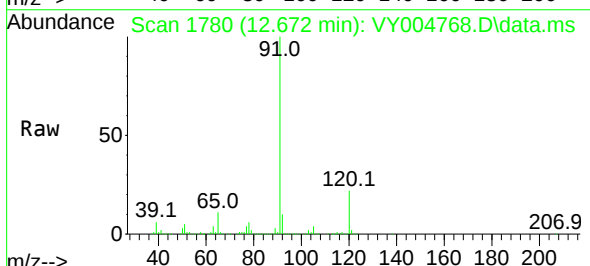
Instrument :
MSVOA_Y
ClientSampled :

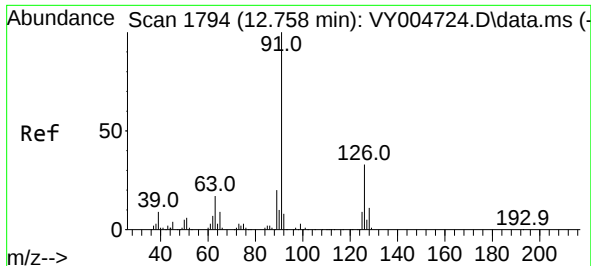
Tgt Ion: 75 Resp: 3391
Ion Ratio Lower Upper
75 100
77 541.3 0.0 0.0#



#78
n-propylbenzene
Concen: 39.28 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. -0.000 min
Lab File: VY004768.D
Acq: 13 May 2021 17:31

Tgt Ion: 91 Resp: 454305
Ion Ratio Lower Upper
91 100
120 22.3 11.1 33.3

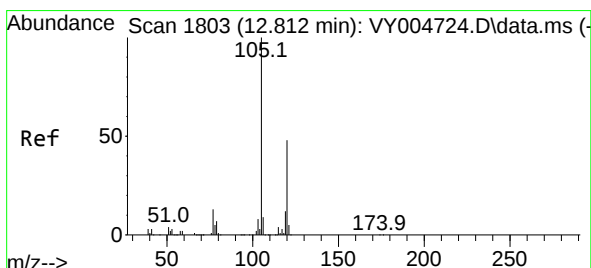
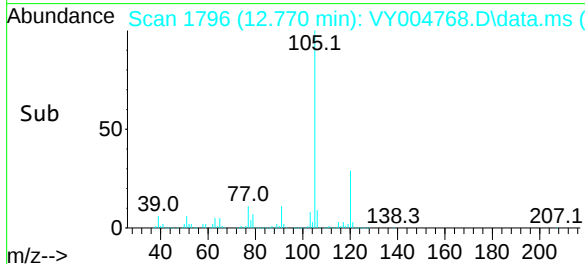
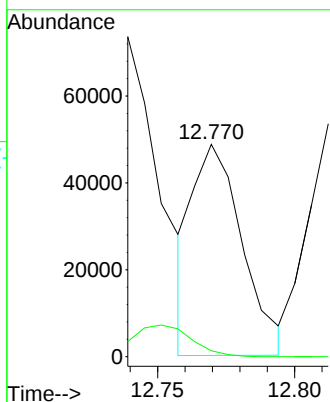
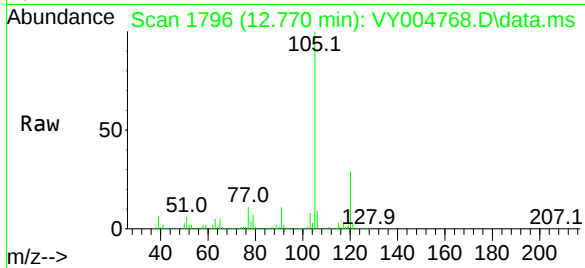




#79
2-Chlorotoluene
Concen: 9.74 ug/l
RT: 12.770 min Scan# 1796
Delta R.T. 0.012 min
Lab File: VY004768.D
Acq: 13 May 2021 17:31

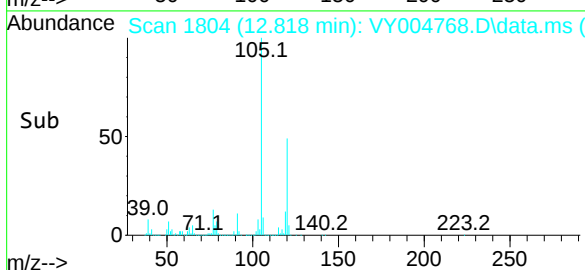
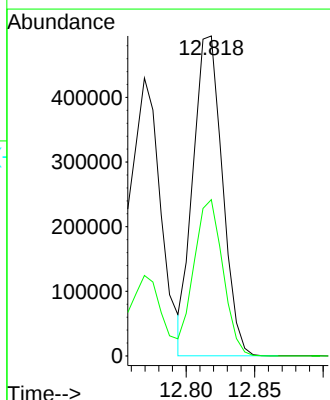
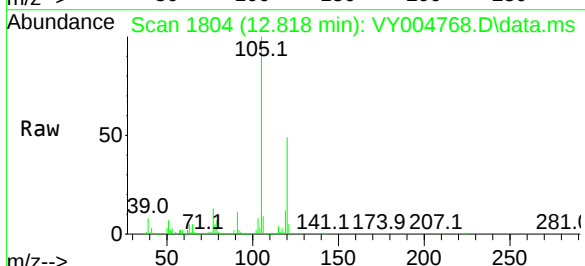
Instrument :
MSVOA_Y
ClientSampled :

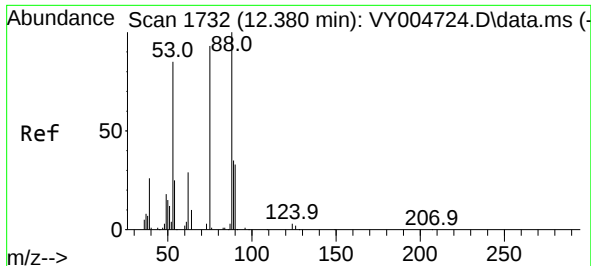
Tgt Ion: 91 Resp: 61819
Ion Ratio Lower Upper
91 100
126 0.0 16.8 50.3#



#80
1,3,5-Trimethylbenzene
Concen: 93.39 ug/l
RT: 12.818 min Scan# 1804
Delta R.T. 0.006 min
Lab File: VY004768.D
Acq: 13 May 2021 17:31

Tgt Ion: 105 Resp: 735052
Ion Ratio Lower Upper
105 100
120 48.4 24.0 72.0

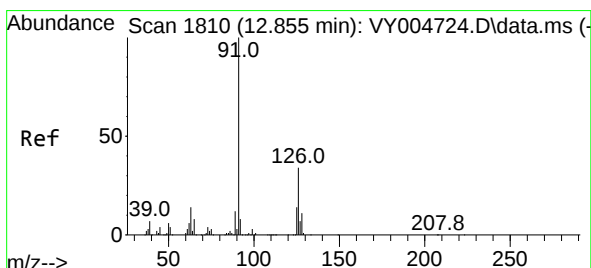
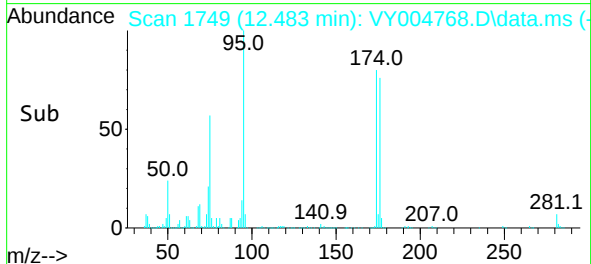
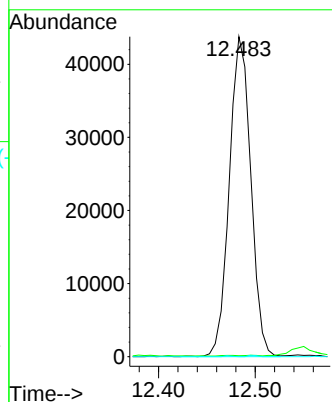
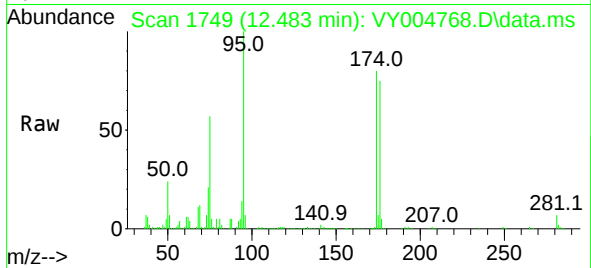




#81
trans-1,4-Dichloro-2-butene
Concen: 88.00 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY004768.D
Acq: 13 May 2021 17:31

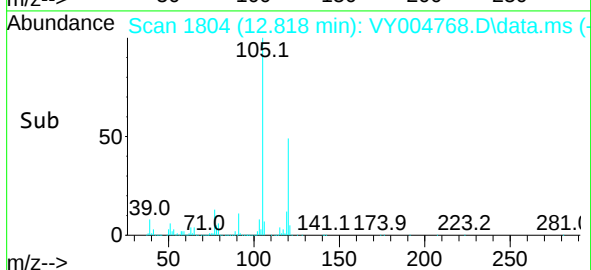
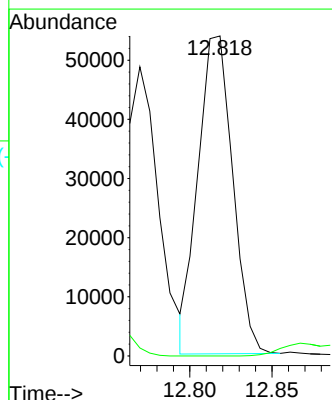
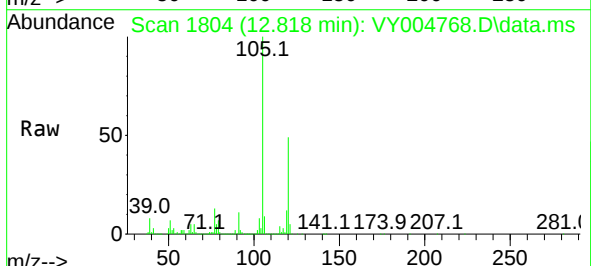
Instrument :
MSVOA_Y
ClientSampleId :

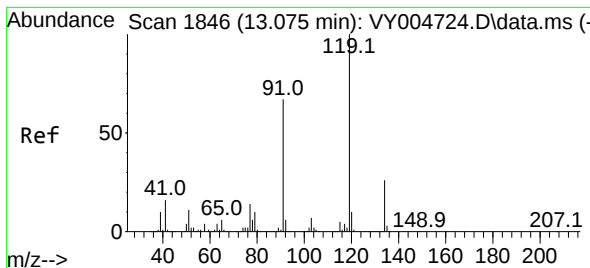
Tgt Ion: 75 Resp: 67715
Ion Ratio Lower Upper
75 100
53 0.1 73.9 110.9#
89 0.0 35.5 53.3#



#82
4-Chlorotoluene
Concen: 11.97 ug/l
RT: 12.818 min Scan# 1804
Delta R.T. -0.037 min
Lab File: VY004768.D
Acq: 13 May 2021 17:31

Tgt Ion: 91 Resp: 78861
Ion Ratio Lower Upper
91 100
126 0.0 16.8 50.3#

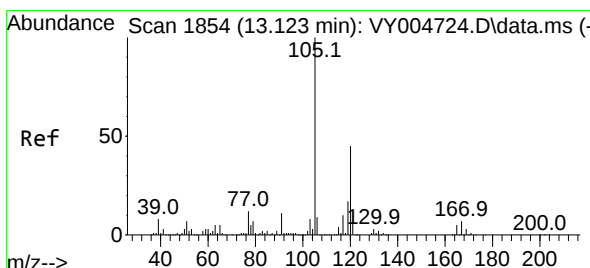
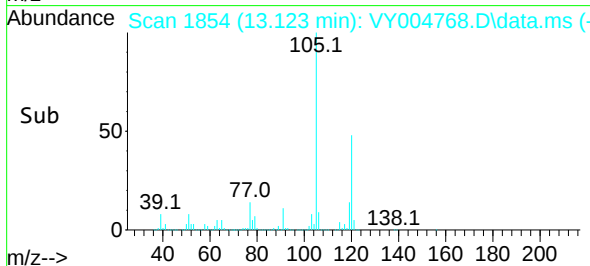
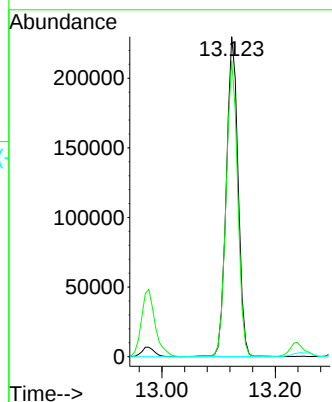
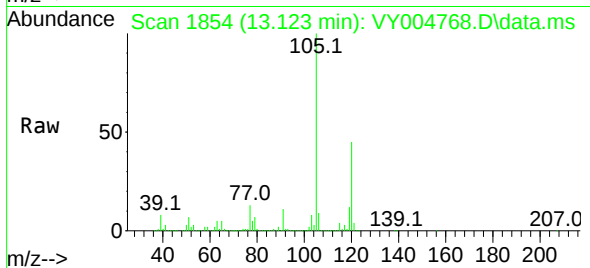




#83
tert-Butylbenzene
Concen: 49.25 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.049 min
Lab File: VY004768.D
Acq: 13 May 2021 17:31

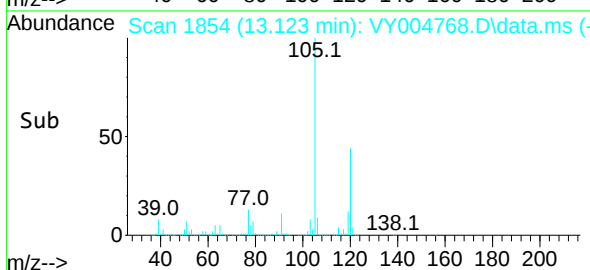
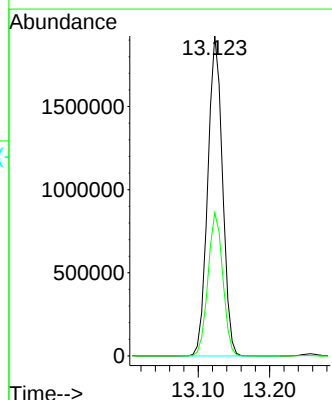
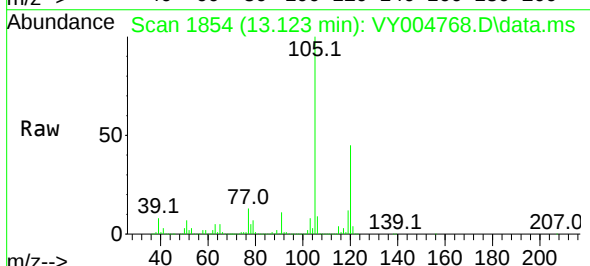
Instrument :
MSVOA_Y
ClientSampleId :

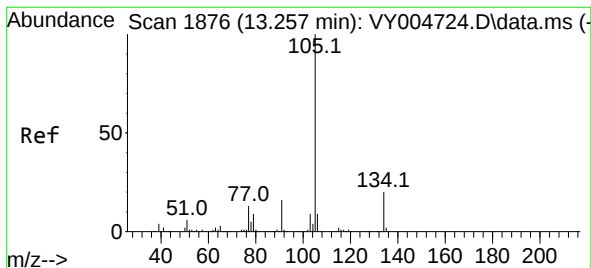
Tgt Ion:119 Resp: 330888
Ion Ratio Lower Upper
119 100
91 91.4 32.3 96.8
134 0.0 12.9 38.7#



#84
1,2,4-Trimethylbenzene
Concen: 349.15 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. -0.000 min
Lab File: VY004768.D
Acq: 13 May 2021 17:31

Tgt Ion:105 Resp: 2750417
Ion Ratio Lower Upper
105 100
120 44.9 22.5 67.5

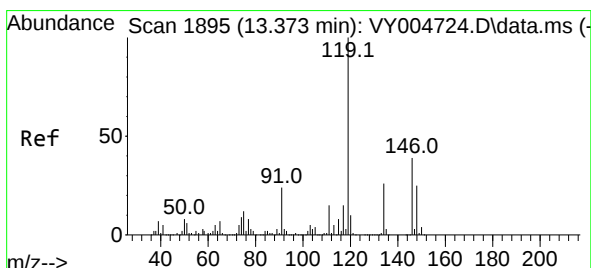
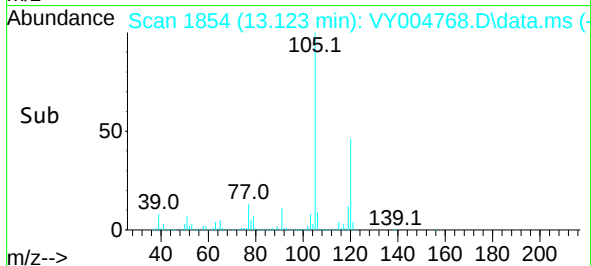
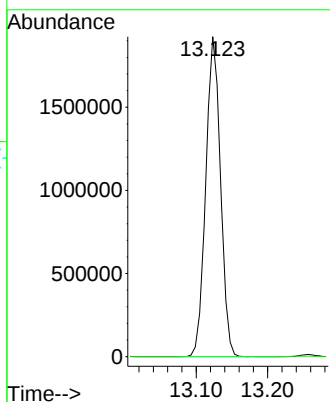
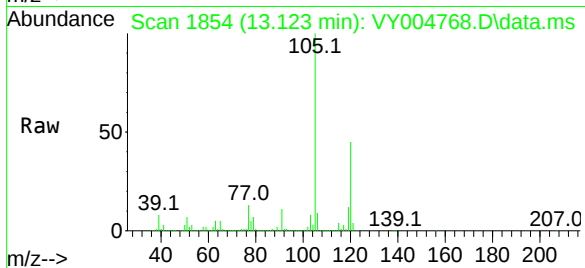




#85
 sec-Butylbenzene
 Concen: 281.56 ug/l
 RT: 13.123 min Scan# 1854
 Delta R.T. -0.134 min
 Lab File: VY004768.D
 Acq: 13 May 2021 17:31

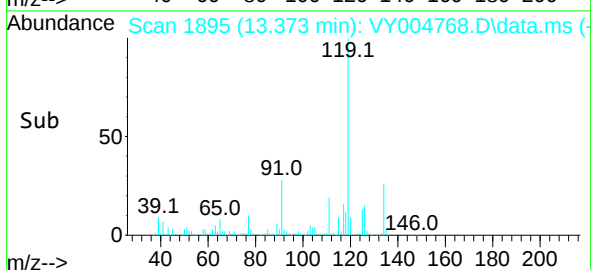
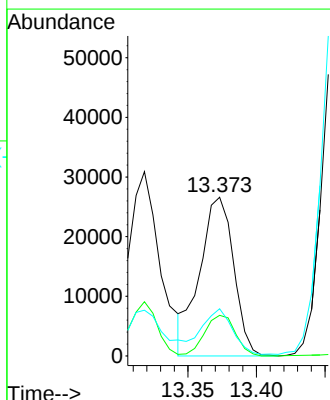
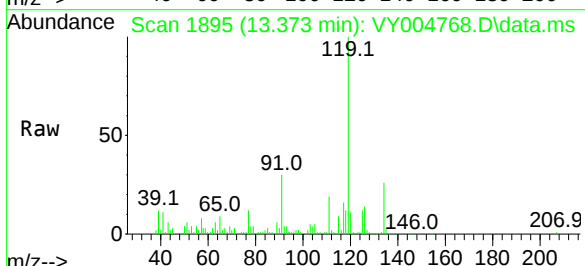
Instrument :
 MSVOA_Y
 ClientSampleId :

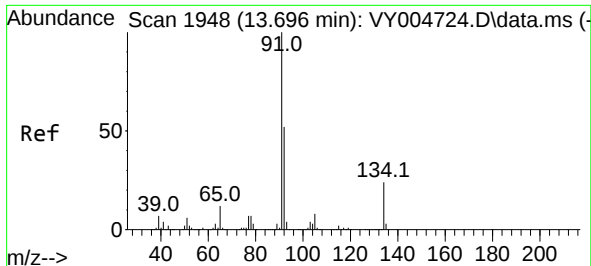
Tgt Ion:105 Resp: 2750417
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.0 29.8#



#86
 p-Isopropyltoluene
 Concen: 5.44 ug/l
 RT: 13.373 min Scan# 1895
 Delta R.T. -0.000 min
 Lab File: VY004768.D
 Acq: 13 May 2021 17:31

Tgt Ion:119 Resp: 46045
 Ion Ratio Lower Upper
 119 100
 134 23.2 12.9 38.7
 91 25.4 12.0 36.1

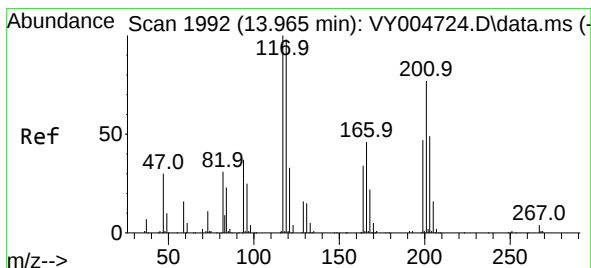
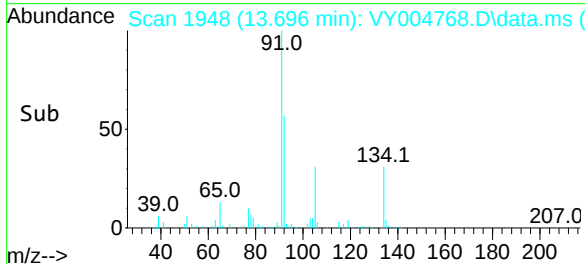
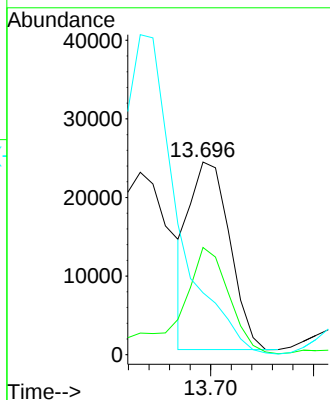
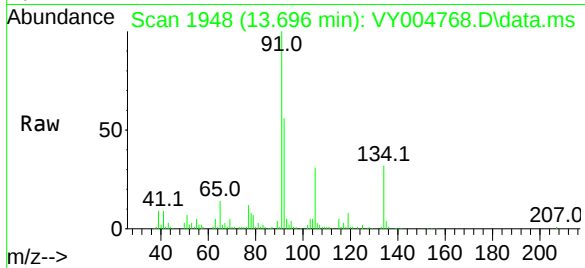




#89
n-Butylbenzene
Concen: 3.91 ug/l
RT: 13.696 min Scan# 1948
Delta R.T. -0.000 min
Lab File: VY004768.D
Acq: 13 May 2021 17:31

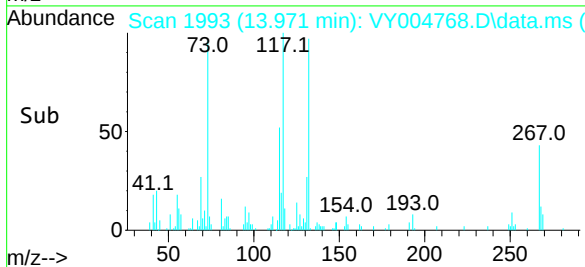
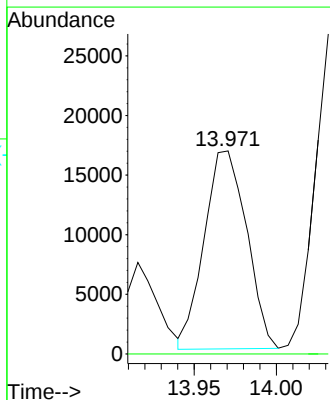
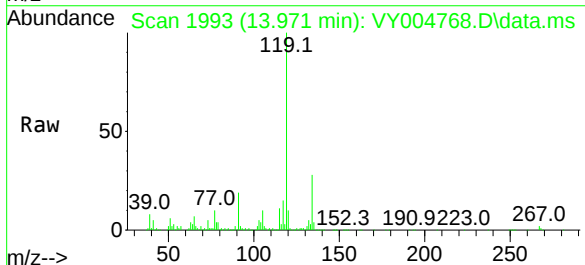
Instrument :
MSVOA_Y
ClientSampleId :

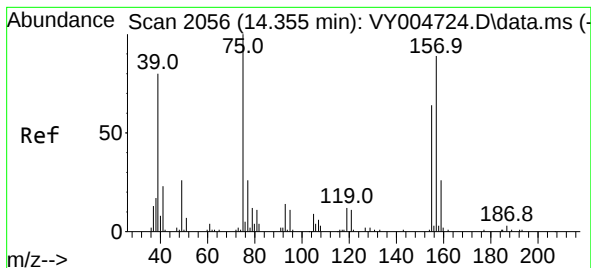
Tgt Ion: 91 Resp: 32406
Ion Ratio Lower Upper
91 100
92 69.9 26.4 79.0
134 0.0 12.6 37.6#



#90
Hexachloroethane
Concen: 24.99 ug/l
RT: 13.971 min Scan# 1993
Delta R.T. 0.006 min
Lab File: VY004768.D
Acq: 13 May 2021 17:31

Tgt Ion: 117 Resp: 29802
Ion Ratio Lower Upper
117 100
201 0.0 35.9 107.8#

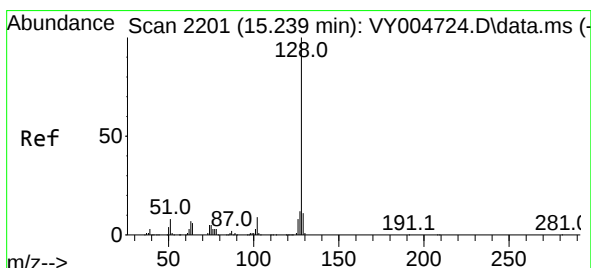
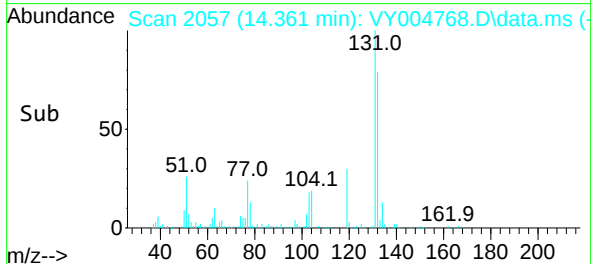
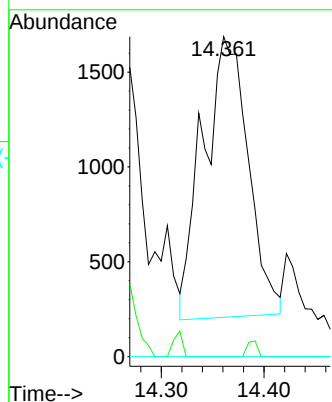
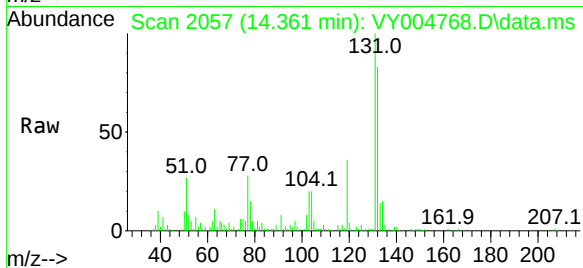




#92
1,2-Dibromo-3-Chloropropane
Concen: 12.79 ug/l
RT: 14.361 min Scan# 2057
Delta R.T. 0.006 min
Lab File: VY004768.D
Acq: 13 May 2021 17:31

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion: 75 Resp: 4519
Ion Ratio Lower Upper
75 100
155 0.0 39.0 117.0#
157 0.0 50.2 150.7#



#95
Naphthalene
Concen: 3013.47 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY004768.D
Acq: 13 May 2021 17:31

Tgt Ion:128 Resp:15553768
Ion Ratio Lower Upper
128 100
127 15.7 10.2 15.2#
129 13.7 8.6 13.0#

