

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092021\
 Data File : VY006097.D
 Acq On : 20 Sep 2021 15:32
 Operator : SY/MD
 Sample : M3797-07RE
 Misc : 5.01G/5ML/MSVOA_Y/SOIL
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Sep 21 02:11:39 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091421S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 15 05:01:47 2021
 Response via : Initial Calibration

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

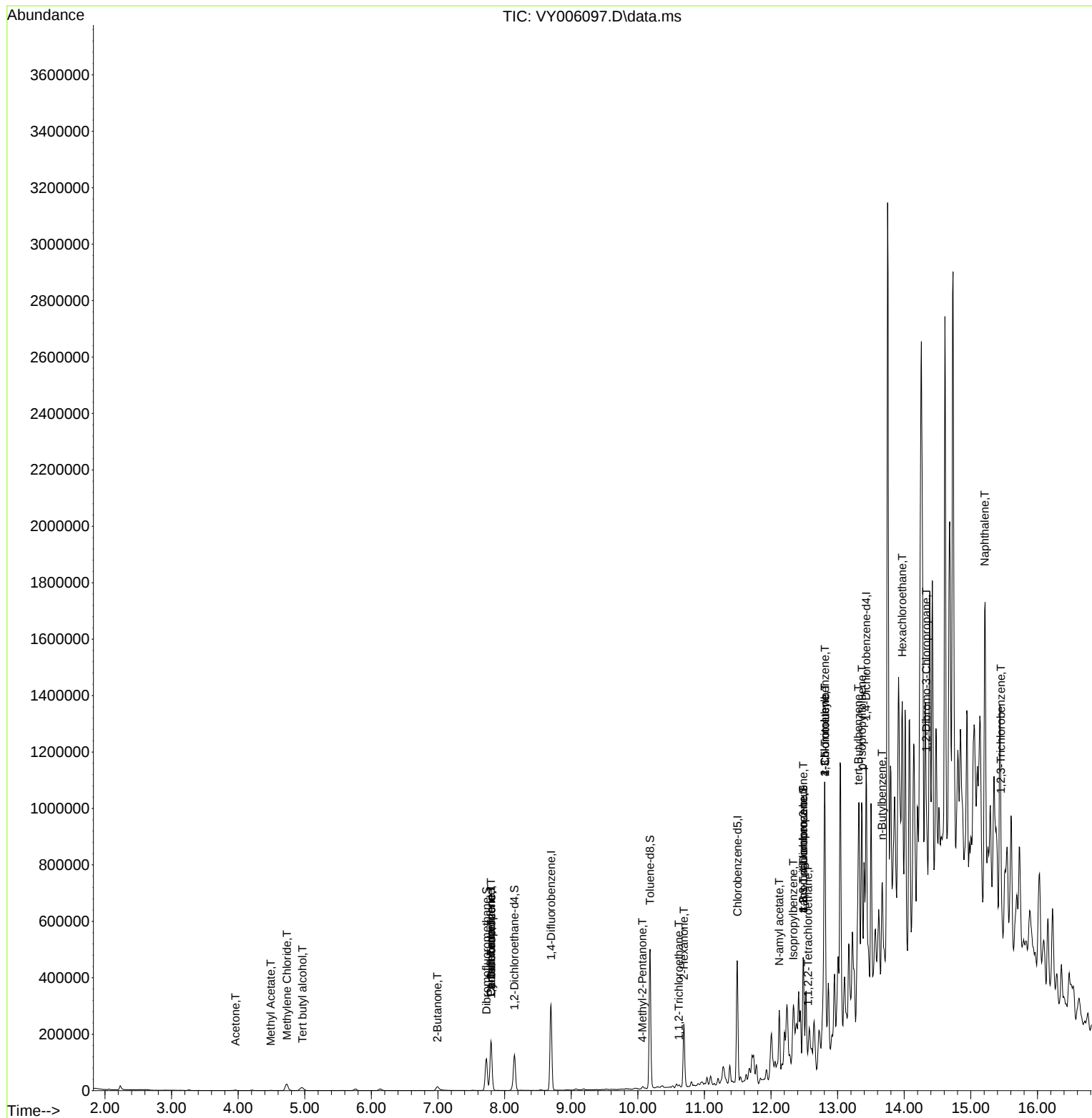
Internal Standards						
1) Pentafluorobenzene	7.795	168	131534	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	245076	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	223571	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	70047	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	99029	54.201	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 108.400%			
35) Dibromofluoromethane	7.728	113	76594	50.318	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.640%			
50) Toluene-d8	10.185	98	302869	46.683	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 93.360%			
62) 4-Bromofluorobenzene	12.483	95	95372	43.298	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 86.600%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.966	59	20107	34.664	ug/l	96
16) Acetone	3.960	43	3427	6.839	ug/l	96
18) Methyl Acetate	4.491	43	1653	1.309	ug/l #	85
20) Methylene Chloride	4.735	84	16707	6.656	ug/l	94
25) 2-Butanone	6.990	43	1536	2.224	ug/l #	54
31) Cyclohexane	7.795	56	3524	1.204	ug/l #	9
36) 1,1-Dichloropropene	7.801	75	10690	4.041	ug/l #	51
38) Carbon Tetrachloride	7.795	117	13018	4.521	ug/l #	15
51) 4-Methyl-2-Pentanone	10.069	43	5750	3.169	ug/l	100
55) 1,1,2-Trichloroethane	10.618	97	3793	2.718	ug/l #	22
59) 2-Hexanone	10.691	43	146465	116.919	ug/l	77
73) Isopropylbenzene	12.337	105	8249	1.504	ug/l #	66
74) N-amyl acetate	12.123	43	51759	27.326	ug/l #	63
75) 1,1,2,2-Tetrachloroethane	12.556	83	2183	2.139	ug/l #	1
76) 1,2,3-Trichloropropane	12.483	75	52078	69.732	ug/l #	100
79) 2-Chlorotoluene	12.812	91	5266	1.427	ug/l	82
80) 1,3,5-Trimethylbenzene	12.812	105	27770	6.104	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.483	75	52078	128.203	ug/l #	8
82) 4-Chlorotoluene	12.812	91	5718	1.499	ug/l	79
83) tert-Butylbenzene	13.312	119	39162	10.065	ug/l	77
86) p-Isopropyltoluene	13.367	119	39750	7.994	ug/l	98
89) n-Butylbenzene	13.666	91	38246	8.225	ug/l #	1
90) Hexachloroethane	13.971	117	13986	15.630	ug/l #	7
92) 1,2-Dibromo-3-Chloropr...	14.330	75	682	3.368	ug/l #	11
95) Naphthalene	15.208	128	8561	3.059	ug/l #	1
96) 1,2,3-Trichlorobenzene	15.452	180	9291	7.619	ug/l #	1

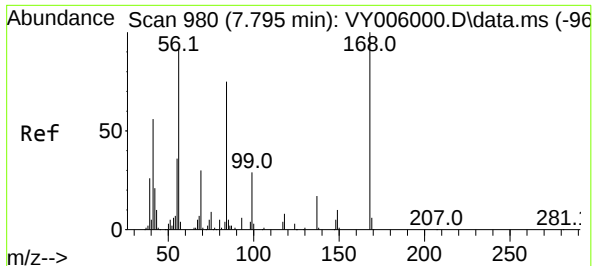
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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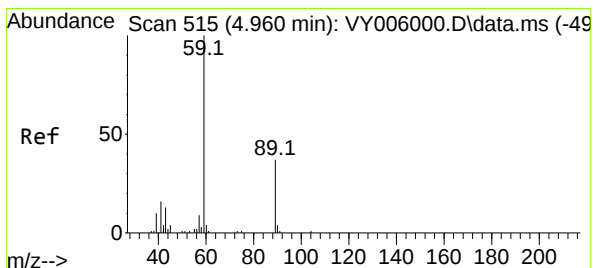
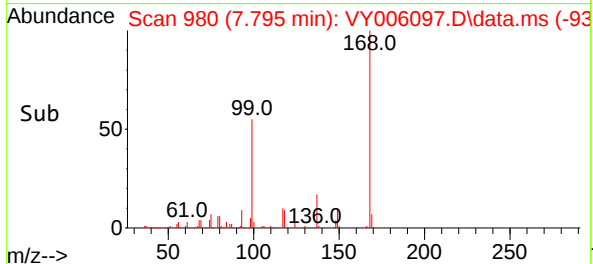
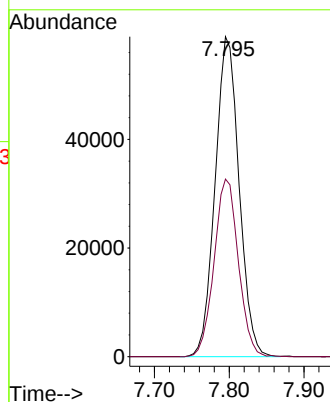
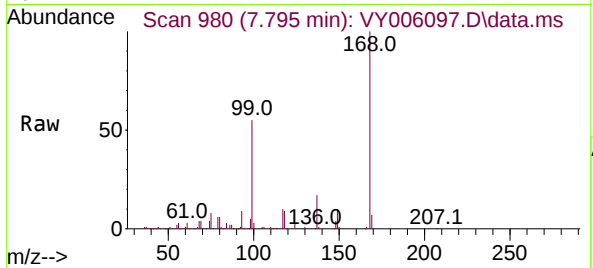




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.000 min
Lab File: VY006097.D
Acq: 20 Sep 2021 15:32

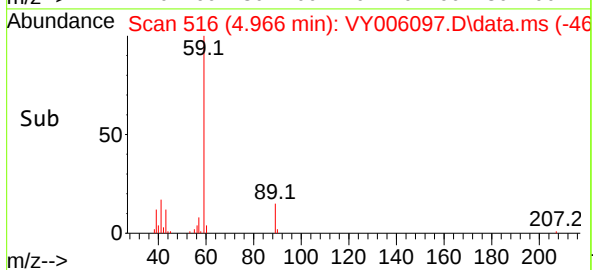
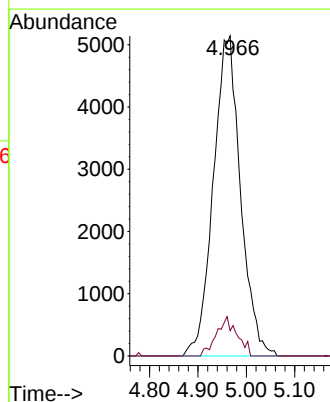
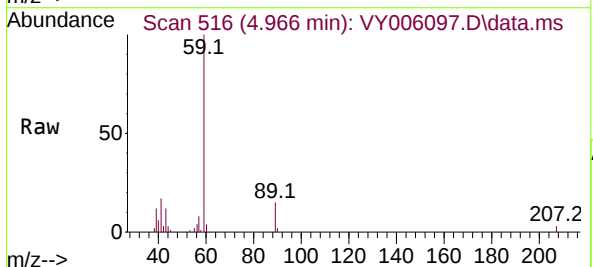
Instrument :
MSVOA_Y
ClientSampled :

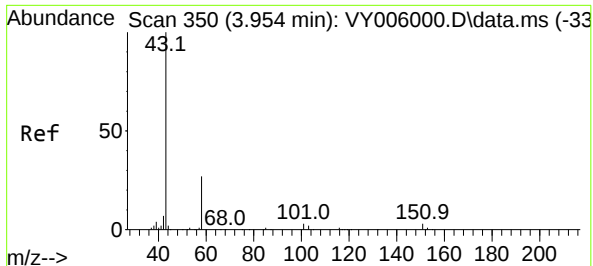
Tgt Ion:168 Resp: 131534
Ion Ratio Lower Upper
168 100
99 55.5 46.9 70.3



#11
Tert butyl alcohol
Concen: 34.664 ug/l
RT: 4.966 min Scan# 516
Delta R.T. 0.006 min
Lab File: VY006097.D
Acq: 20 Sep 2021 15:32

Tgt Ion: 59 Resp: 20107
Ion Ratio Lower Upper
59 100
57 9.3 6.4 9.6

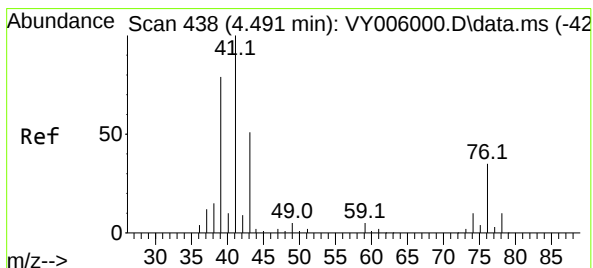
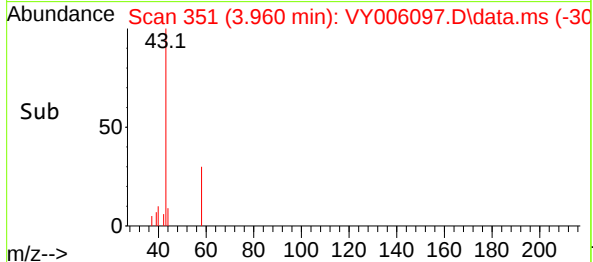
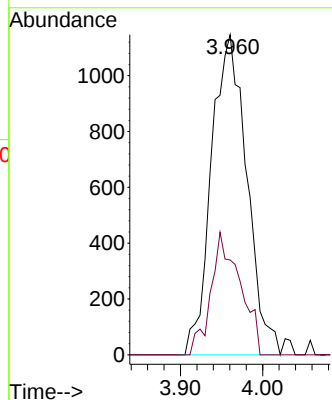
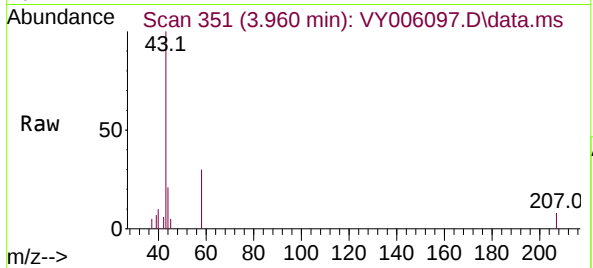




#16
Acetone
Concen: 6.839 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.006 min
Lab File: VY006097.D
Acq: 20 Sep 2021 15:32

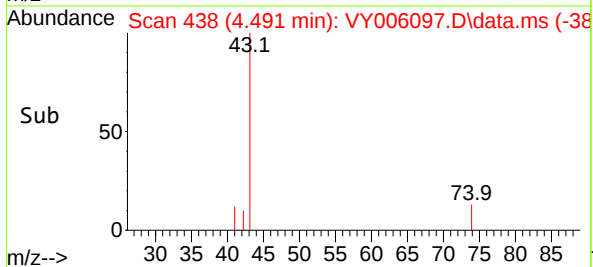
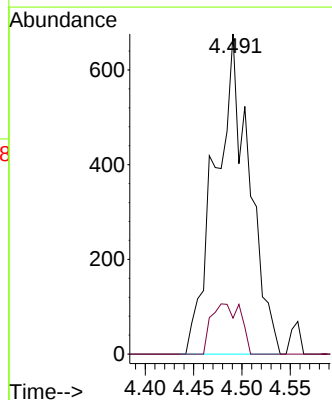
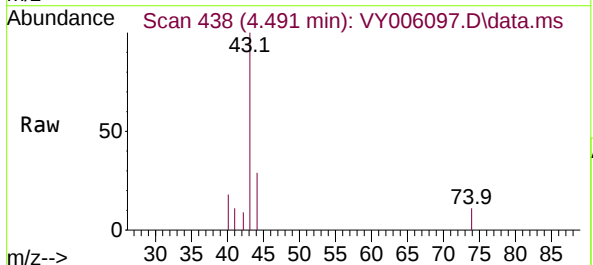
Instrument :
MSVOA_Y
ClientSampled :

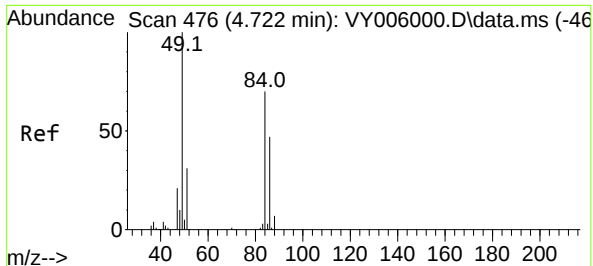
Tgt Ion: 43 Resp: 3427
Ion Ratio Lower Upper
43 100
58 29.6 22.0 33.0



#18
Methyl Acetate
Concen: 1.309 ug/l
RT: 4.491 min Scan# 438
Delta R.T. -0.000 min
Lab File: VY006097.D
Acq: 20 Sep 2021 15:32

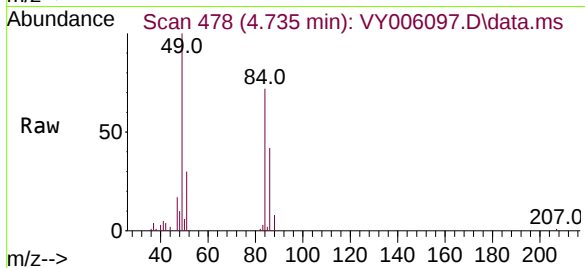
Tgt Ion: 43 Resp: 1653
Ion Ratio Lower Upper
43 100
74 13.6 16.6 24.8#



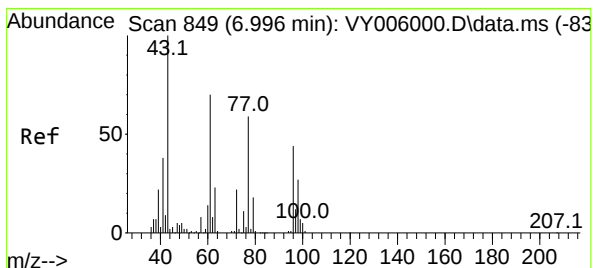
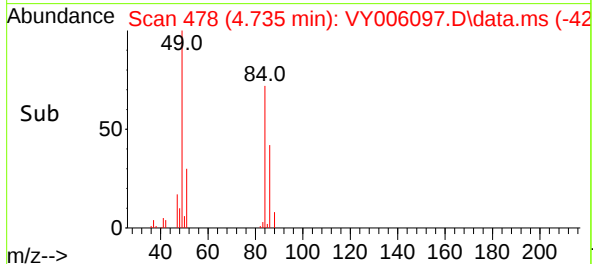
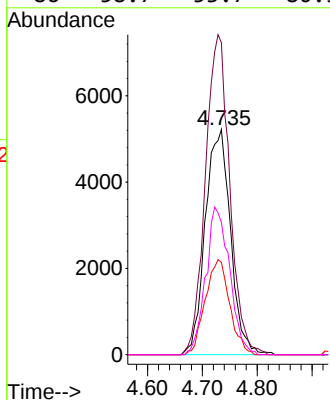


#20
Methylene Chloride
Concen: 6.656 ug/l
RT: 4.735 min Scan# 478
Delta R.T. 0.013 min
Lab File: VY006097.D
Acq: 20 Sep 2021 15:32

Instrument :
MSVOA_Y
ClientSampleId :

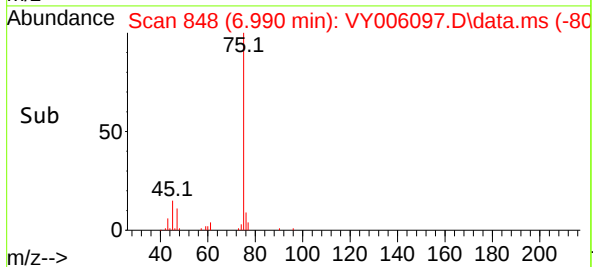
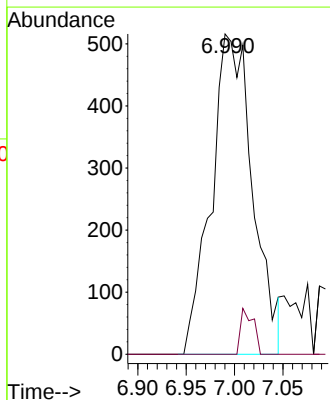
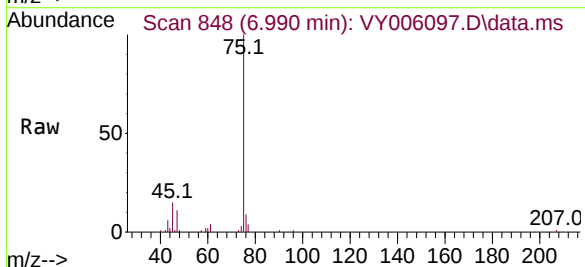


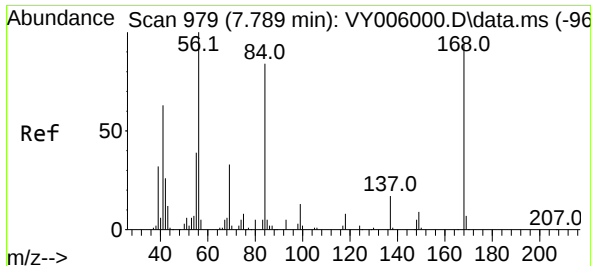
Tgt Ion:	84	Resp:	16707
Ion	Ratio	Lower	Upper
84	100		
49	138.5	114.4	171.6
51	41.0	35.3	52.9
86	58.7	53.7	80.5



#25
2-Butanone
Concen: 2.224 ug/l
RT: 6.990 min Scan# 848
Delta R.T. -0.006 min
Lab File: VY006097.D
Acq: 20 Sep 2021 15:32

Tgt Ion:	43	Resp:	1536
Ion	Ratio	Lower	Upper
43	100		
72	0.0	17.7	26.5#

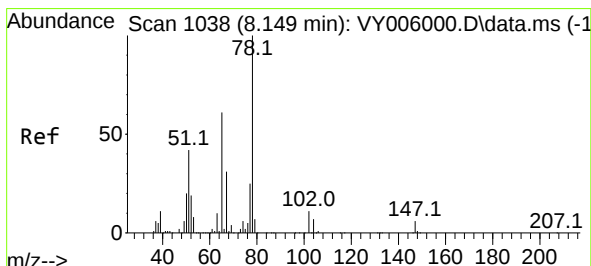
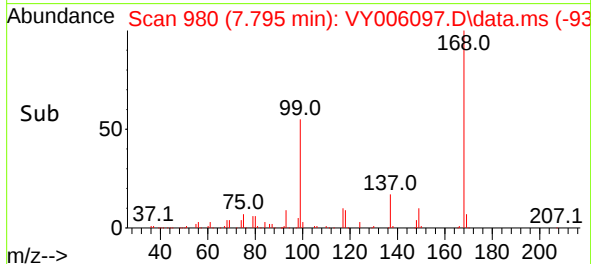
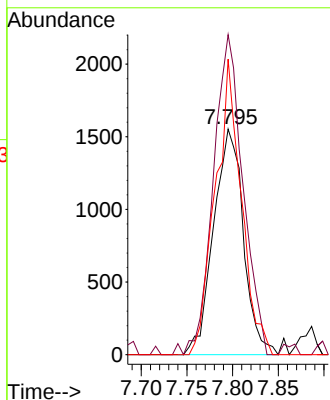
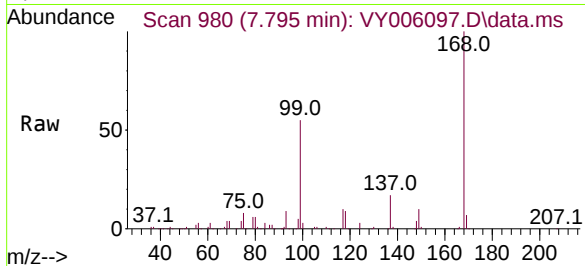




#31
Cyclohexane
Concen: 1.204 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.006 min
Lab File: VY006097.D
Acq: 20 Sep 2021 15:32

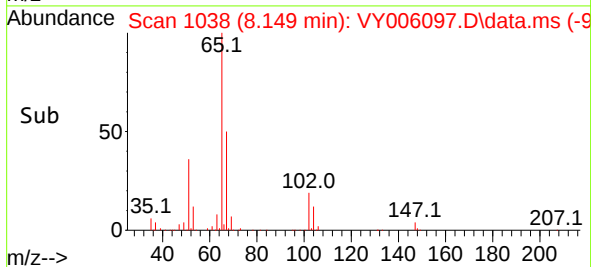
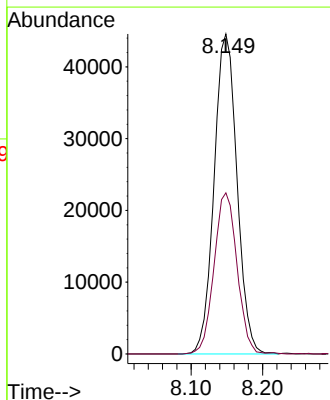
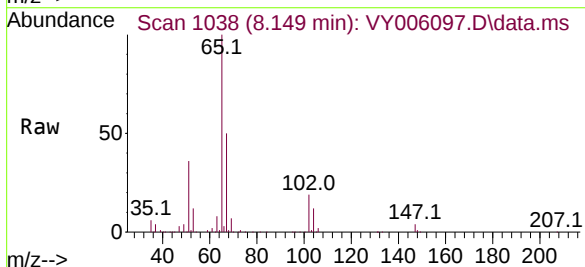
Instrument :
MSVOA_Y
ClientSampleId :

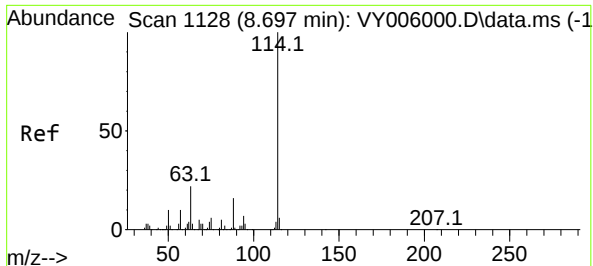
Tgt Ion: 56 Resp: 3524
Ion Ratio Lower Upper
56 100
69 141.9 26.7 40.1#
84 131.0 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 54.201 ug/l
RT: 8.149 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VY006097.D
Acq: 20 Sep 2021 15:32

Tgt Ion: 65 Resp: 99029
Ion Ratio Lower Upper
65 100
67 50.7 0.0 99.4

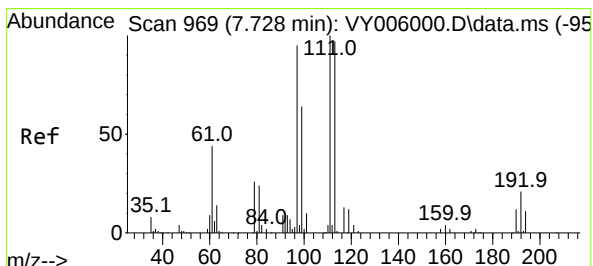
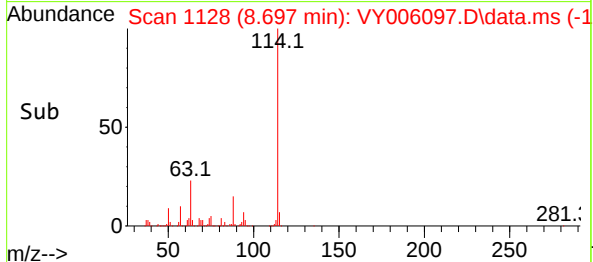
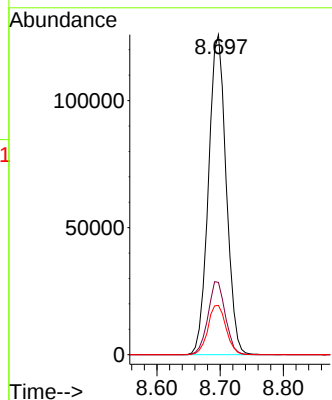
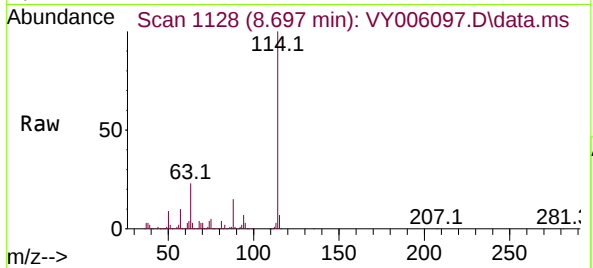




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VY006097.D
Acq: 20 Sep 2021 15:32

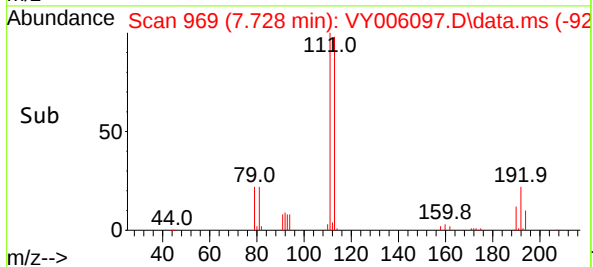
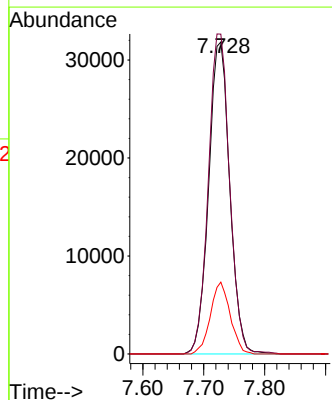
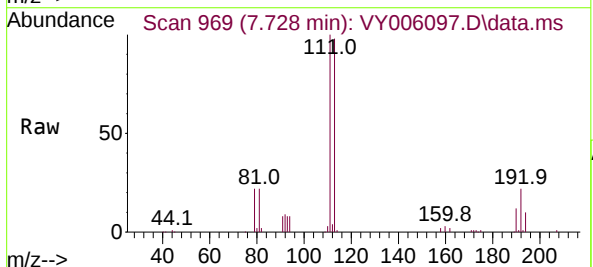
Instrument :
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ClientSampleId :

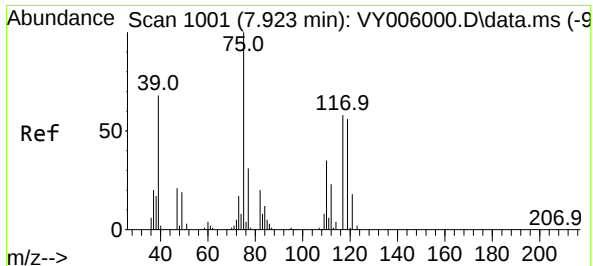
Tgt Ion:114 Resp: 245076
Ion Ratio Lower Upper
114 100
63 22.6 0.0 43.2
88 15.4 0.0 31.8



#35
Dibromofluoromethane
Concen: 50.318 ug/l
RT: 7.728 min Scan# 969
Delta R.T. -0.000 min
Lab File: VY006097.D
Acq: 20 Sep 2021 15:32

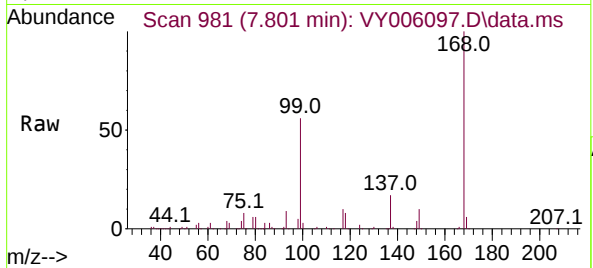
Tgt Ion:113 Resp: 76594
Ion Ratio Lower Upper
113 100
111 103.5 82.6 124.0
192 21.7 17.6 26.4



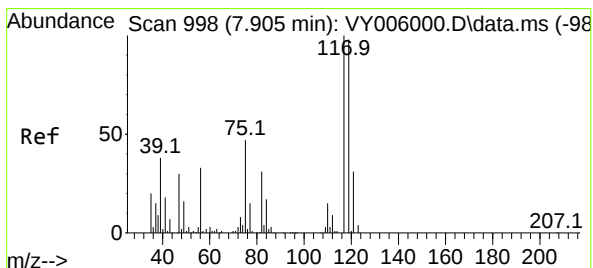
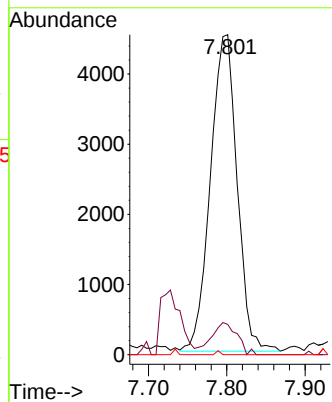
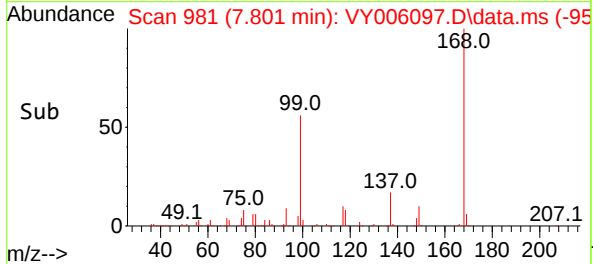


#36
1,1-Dichloropropene
Concen: 4.041 ug/l
RT: 7.801 min Scan# 981
Delta R.T. -0.122 min
Lab File: VY006097.D
Acq: 20 Sep 2021 15:32

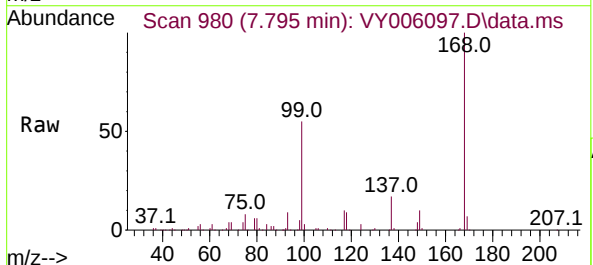
Instrument :
MSVOA_Y
ClientSampleId :



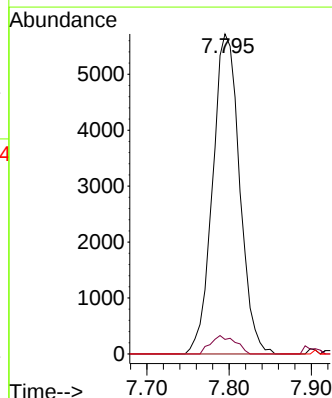
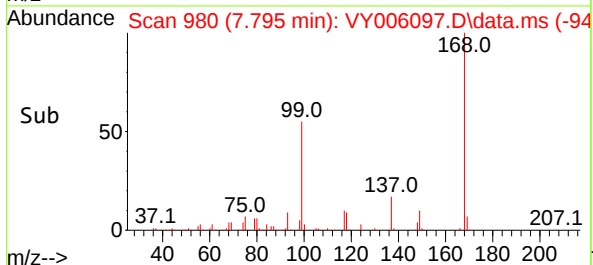
Tgt Ion: 75 Resp: 10690
Ion Ratio Lower Upper
75 100
110 9.6 17.1 51.2#
77 0.2 24.4 36.6#

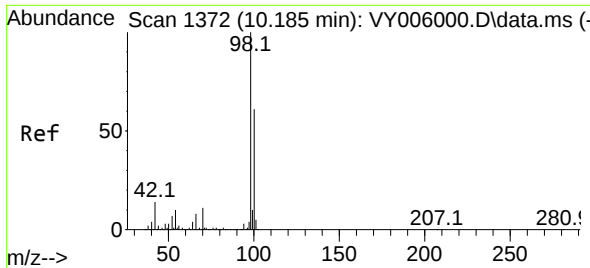


#38
Carbon Tetrachloride
Concen: 4.521 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.110 min
Lab File: VY006097.D
Acq: 20 Sep 2021 15:32



Tgt Ion: 117 Resp: 13018
Ion Ratio Lower Upper
117 100
119 4.5 77.9 116.9#
121 0.0 24.8 37.2#

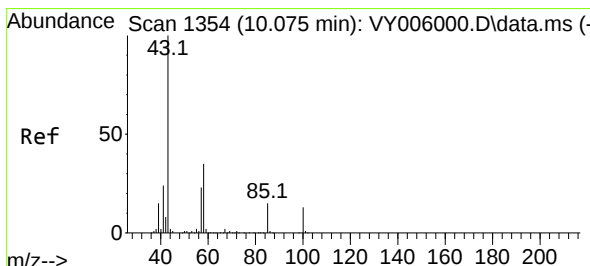
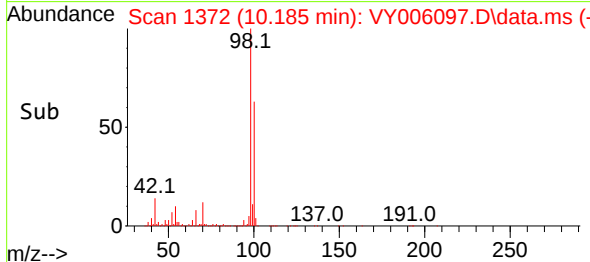
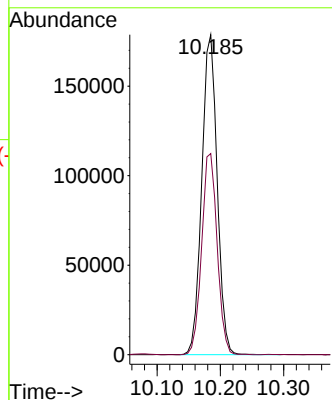
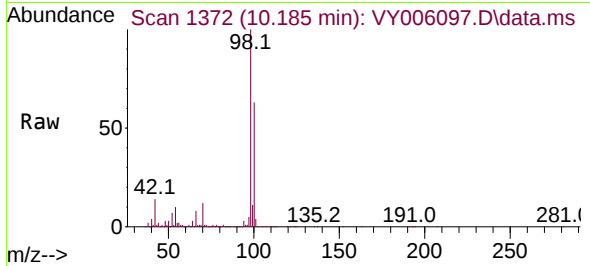




#50
Toluene-d8
Concen: 46.683 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. -0.000 min
Lab File: VY006097.D
Acq: 20 Sep 2021 15:32

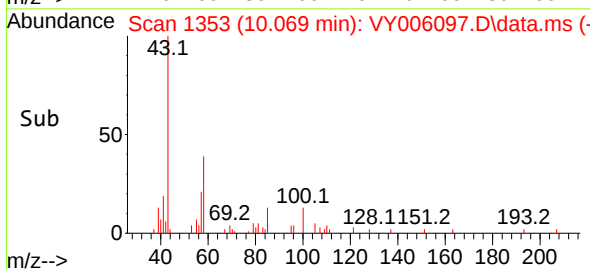
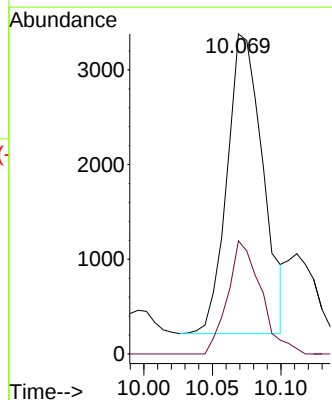
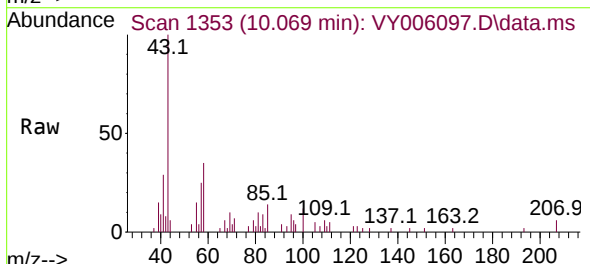
Instrument :
MSVOA_Y
ClientSampled :

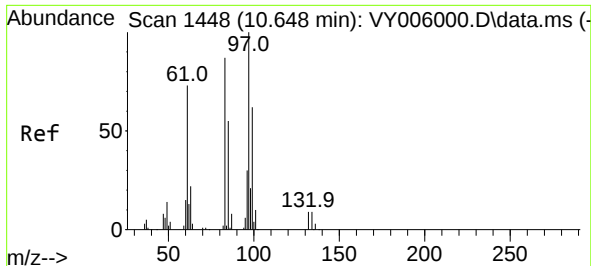
Tgt Ion: 98 Resp: 302869
Ion Ratio Lower Upper
98 100
100 63.3 50.2 75.2



#51
4-Methyl-2-Pentanone
Concen: 3.169 ug/l
RT: 10.069 min Scan# 1353
Delta R.T. -0.006 min
Lab File: VY006097.D
Acq: 20 Sep 2021 15:32

Tgt Ion: 43 Resp: 5750
Ion Ratio Lower Upper
43 100
58 35.3 28.1 42.1

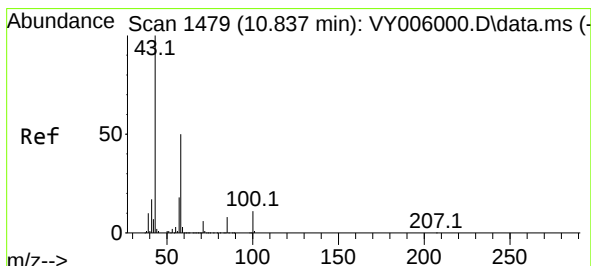
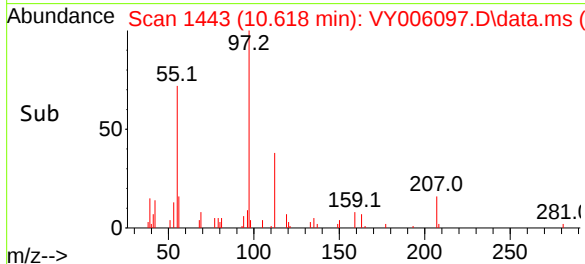
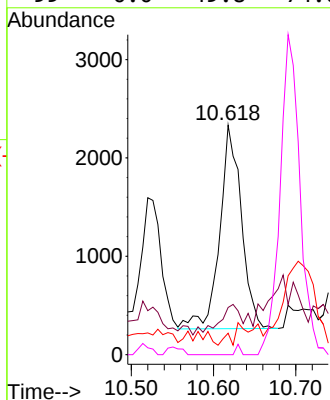
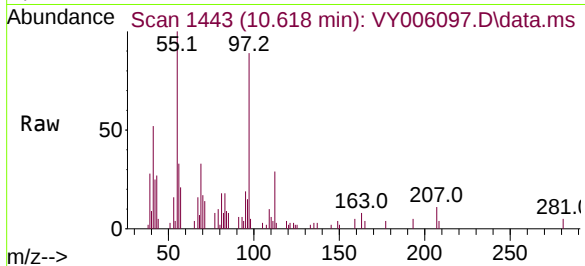




#55
1,1,2-Trichloroethane
Concen: 2.718 ug/l
RT: 10.618 min Scan# 1443
Delta R.T. -0.031 min
Lab File: VY006097.D
Acq: 20 Sep 2021 15:32

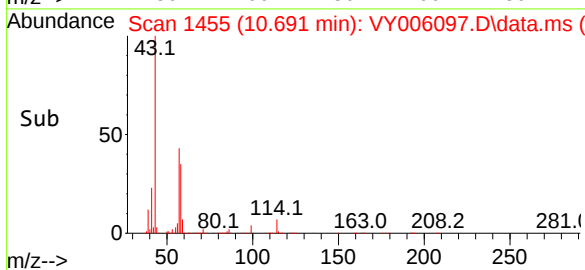
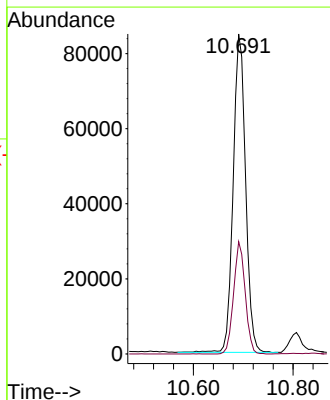
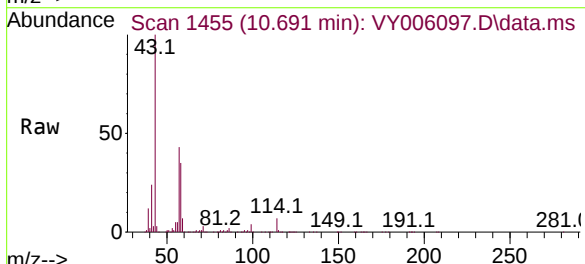
Instrument :
MSVOA_Y
ClientSampled :

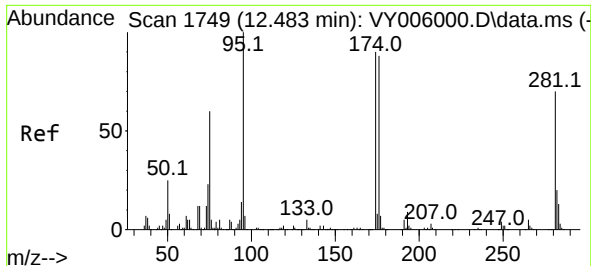
Tgt Ion: 97 Resp: 3793
Ion Ratio Lower Upper
97 100
83 11.5 69.8 104.8#
85 4.5 44.3 66.5#
99 0.0 49.8 74.6#



#59
2-Hexanone
Concen: 116.919 ug/l
RT: 10.691 min Scan# 1455
Delta R.T. -0.146 min
Lab File: VY006097.D
Acq: 20 Sep 2021 15:32

Tgt Ion: 43 Resp: 146465
Ion Ratio Lower Upper
43 100
58 32.9 24.4 73.4

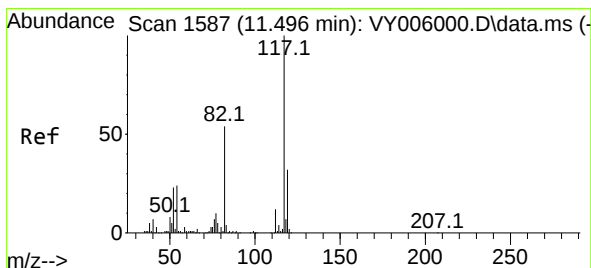
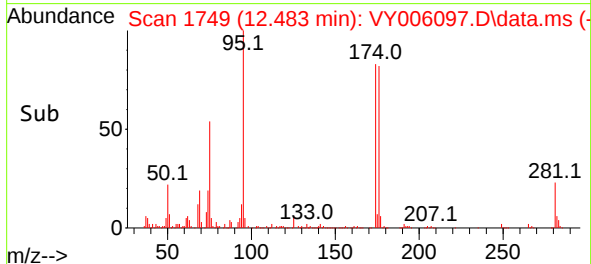
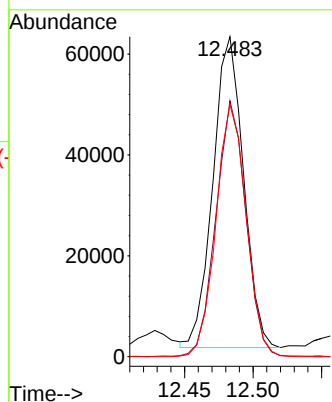
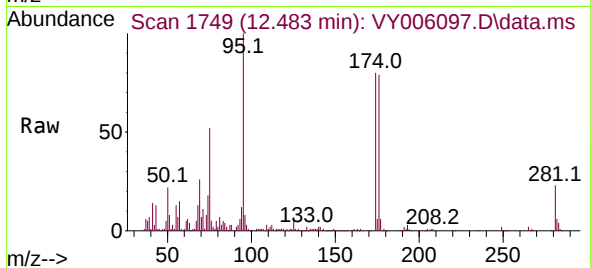




#62
4-Bromofluorobenzene
Concen: 43.298 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY006097.D
Acq: 20 Sep 2021 15:32

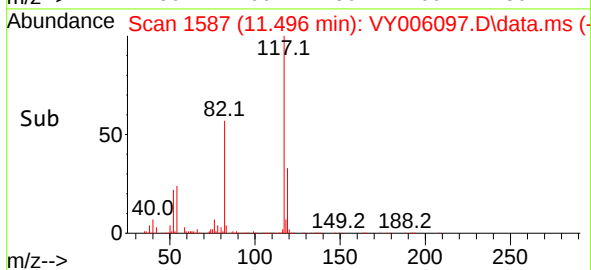
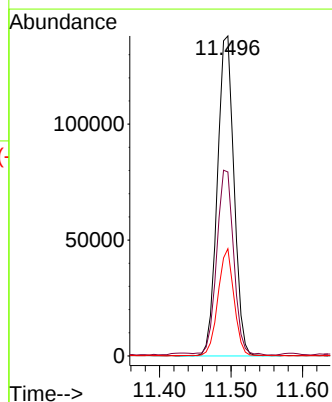
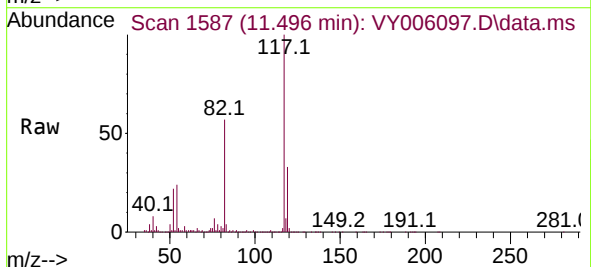
Instrument :
MSVOA_Y
ClientSampleId :

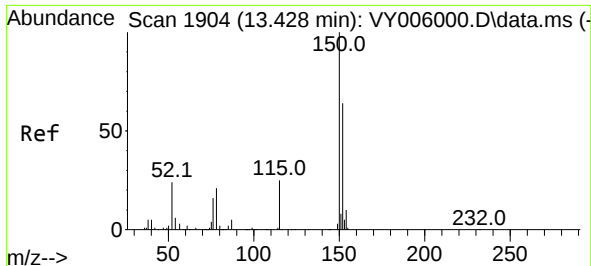
Tgt Ion: 95 Resp: 95372
Ion Ratio Lower Upper
95 100
174 81.2 0.0 177.0
176 80.3 0.0 175.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY006097.D
Acq: 20 Sep 2021 15:32

Tgt Ion: 117 Resp: 223571
Ion Ratio Lower Upper
117 100
82 57.0 43.0 64.4
119 33.4 25.4 38.0

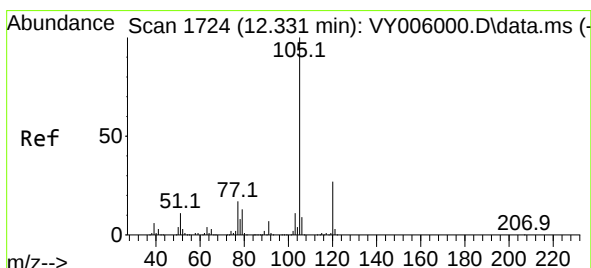
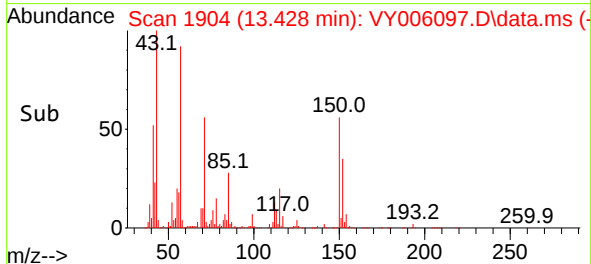
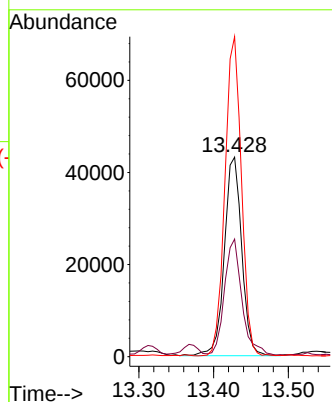
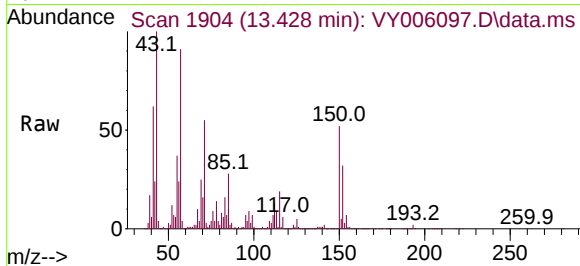




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY006097.D
Acq: 20 Sep 2021 15:32

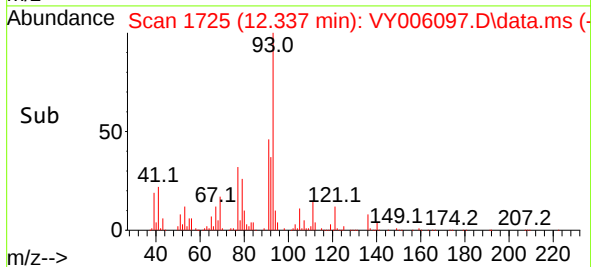
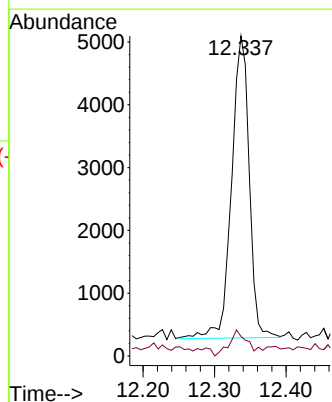
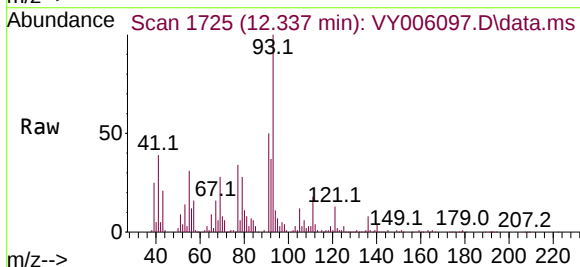
Instrument :
MSVOA_Y
ClientSampleId :

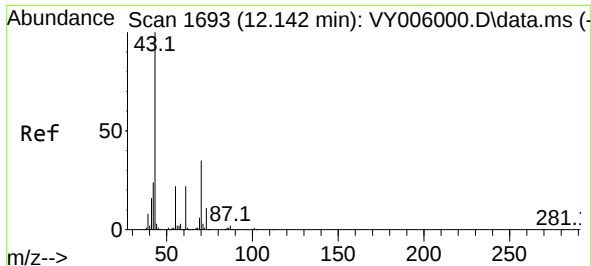
Tgt Ion:152 Resp: 70047
Ion Ratio Lower Upper
152 100
115 58.9 28.2 84.7
150 151.7 0.0 347.6



#73
Isopropylbenzene
Concen: 1.504 ug/l
RT: 12.337 min Scan# 1725
Delta R.T. 0.006 min
Lab File: VY006097.D
Acq: 20 Sep 2021 15:32

Tgt Ion:105 Resp: 8249
Ion Ratio Lower Upper
105 100
120 9.4 13.4 40.2#

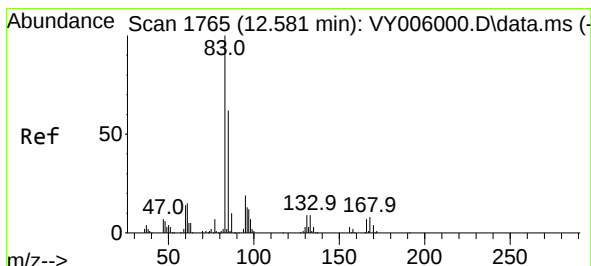
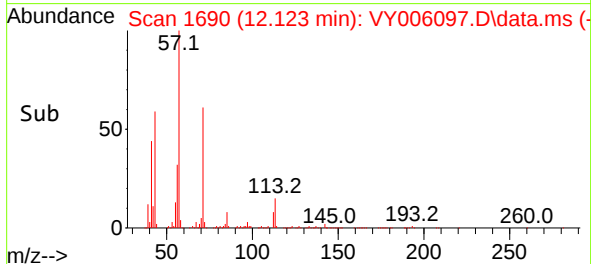
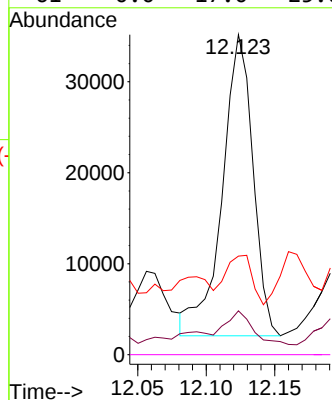
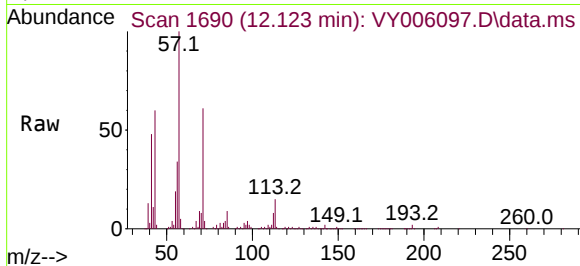




#74
N-amy1 acetate
Concen: 27.326 ug/l
RT: 12.123 min Scan# 1690
Delta R.T. -0.018 min
Lab File: VY006097.D
Acq: 20 Sep 2021 15:32

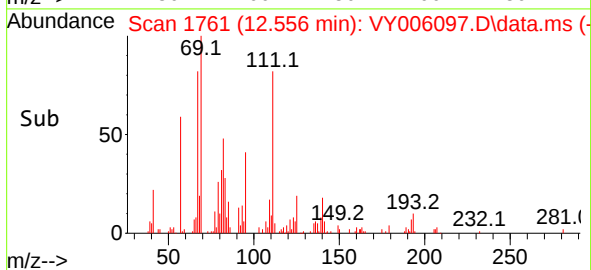
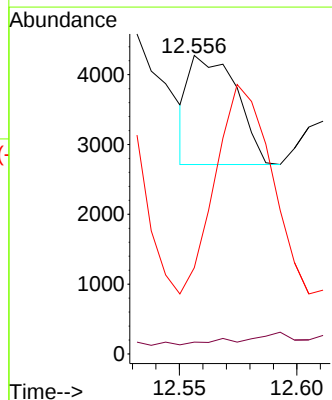
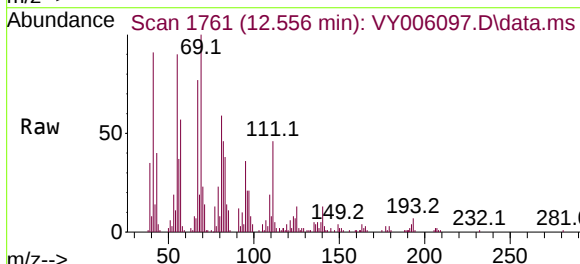
Instrument :
MSVOA_Y
ClientSampleId :

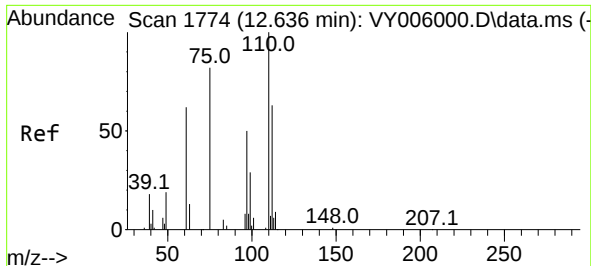
Tgt Ion:	43	Resp:	51759
Ion	Ratio	Lower	Upper
43	100		
70	9.9	28.7	43.1#
55	14.0	17.3	25.9#
61	0.0	17.0	25.6#



#75
1,1,2,2-Tetrachloroethane
Concen: 2.139 ug/l
RT: 12.556 min Scan# 1761
Delta R.T. -0.024 min
Lab File: VY006097.D
Acq: 20 Sep 2021 15:32

Tgt Ion:	83	Resp:	2183
Ion	Ratio	Lower	Upper
83	100		
131	0.0	5.6	16.8#
85	223.7	32.3	96.8#

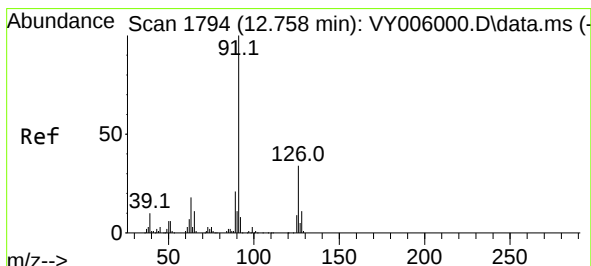
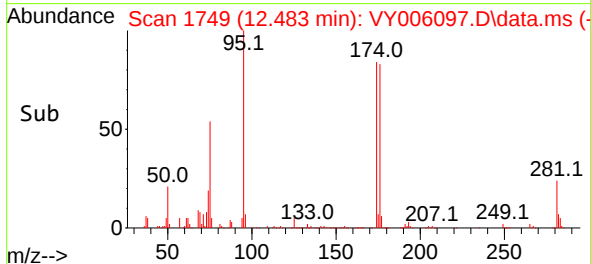
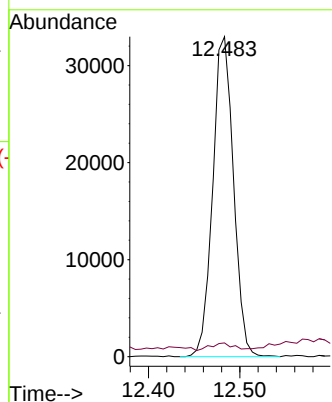
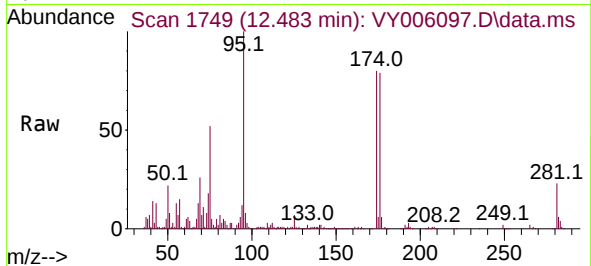




#76
1,2,3-Trichloropropane
Concen: 69.732 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY006097.D
Acq: 20 Sep 2021 15:32

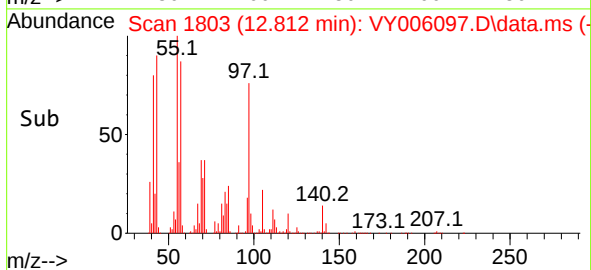
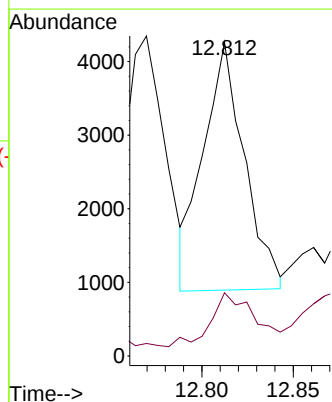
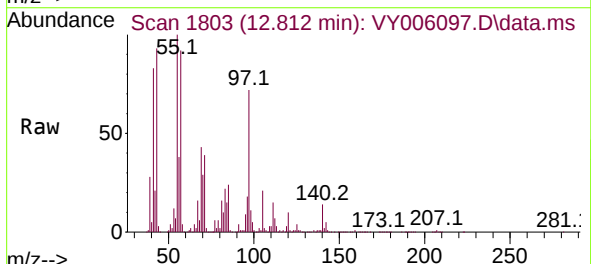
Instrument :
MSVOA_Y
ClientSampled :

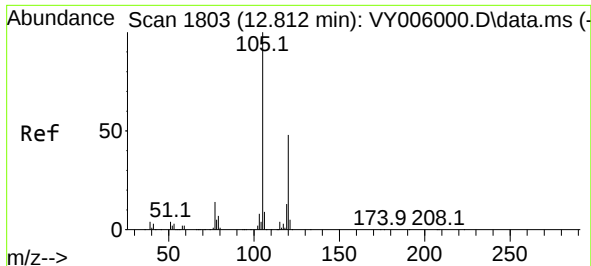
Tgt Ion: 75 Resp: 52078
Ion Ratio Lower Upper
75 100
77 2.7 0.0 0.0#



#79
2-Chlorotoluene
Concen: 1.427 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. 0.055 min
Lab File: VY006097.D
Acq: 20 Sep 2021 15:32

Tgt Ion: 91 Resp: 5266
Ion Ratio Lower Upper
91 100
126 23.7 16.9 50.6

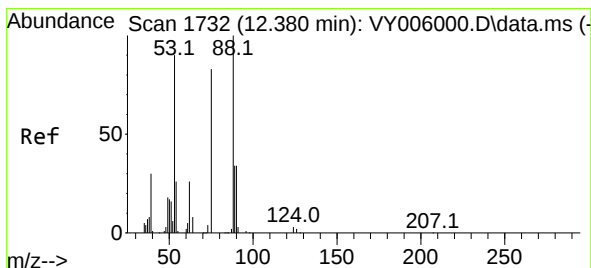
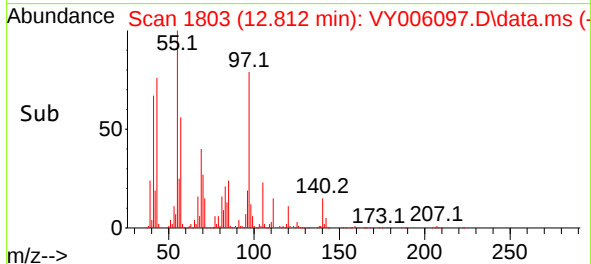
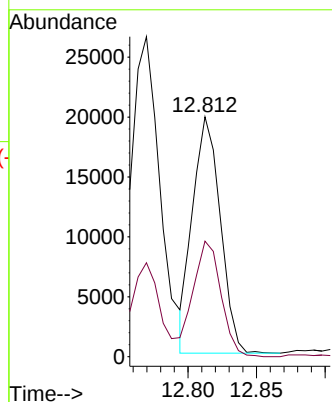
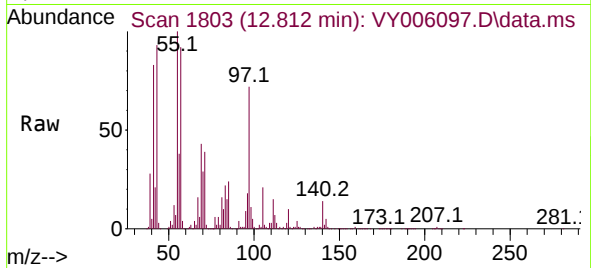




#80
1,3,5-Trimethylbenzene
Concen: 6.104 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. -0.000 min
Lab File: VY006097.D
Acq: 20 Sep 2021 15:32

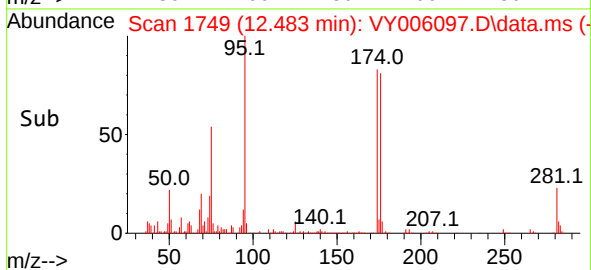
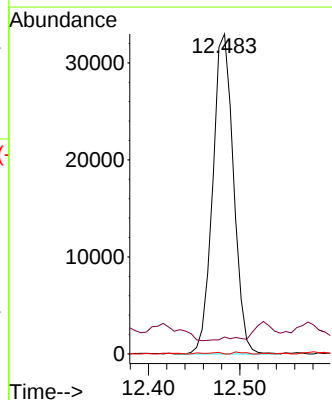
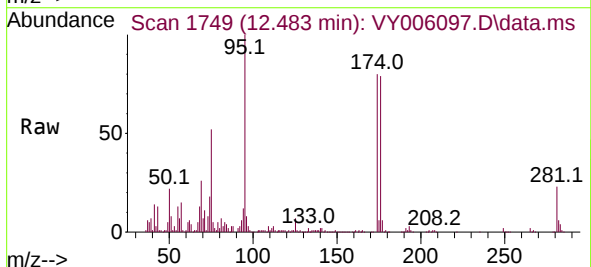
Instrument :
MSVOA_Y
ClientSampled :

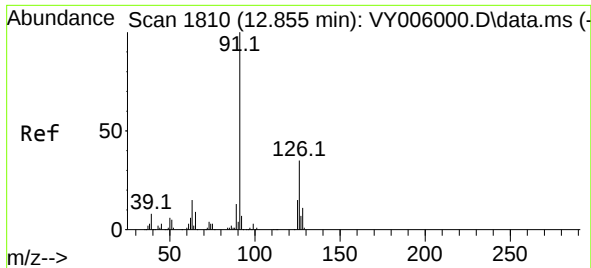
Tgt Ion:105 Resp: 27770
Ion Ratio Lower Upper
105 100
120 50.4 24.4 73.4



#81
trans-1,4-Dichloro-2-butene
Concen: 128.203 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY006097.D
Acq: 20 Sep 2021 15:32

Tgt Ion: 75 Resp: 52078
Ion Ratio Lower Upper
75 100
53 0.8 85.3 127.9#
89 0.4 37.0 55.4#

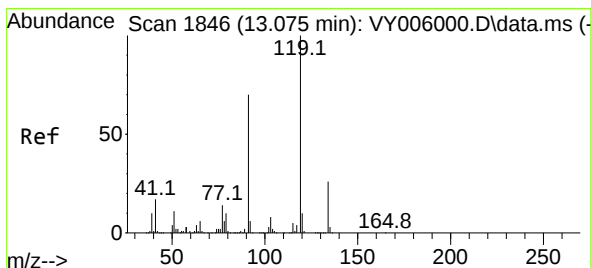
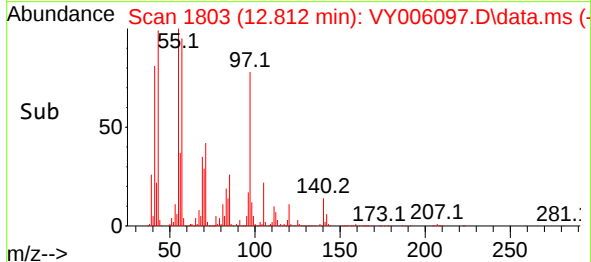
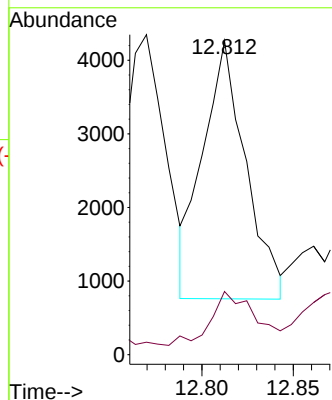
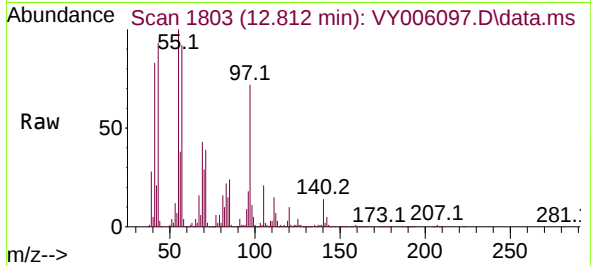




#82
4-Chlorotoluene
Concen: 1.499 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. -0.043 min
Lab File: VY006097.D
Acq: 20 Sep 2021 15:32

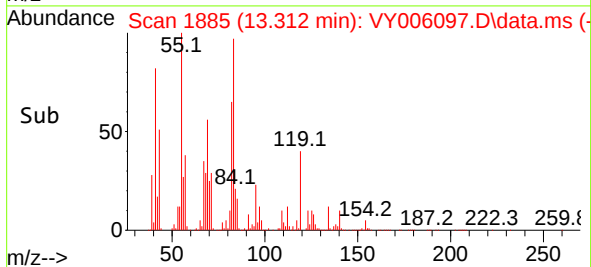
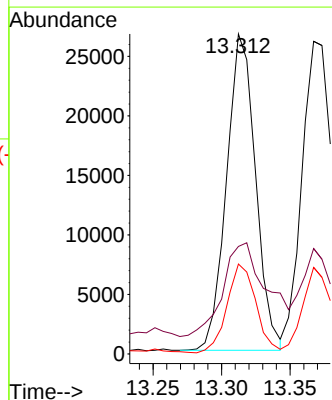
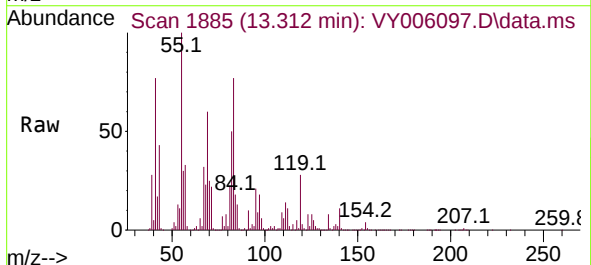
Instrument :
MSVOA_Y
ClientSampled :

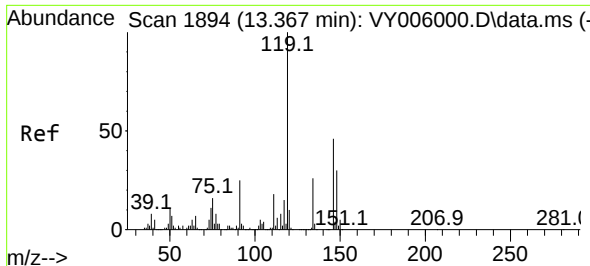
Tgt Ion: 91 Resp: 5718
Ion Ratio Lower Upper
91 100
126 21.8 17.0 51.0



#83
tert-Butylbenzene
Concen: 10.065 ug/l
RT: 13.312 min Scan# 1885
Delta R.T. 0.238 min
Lab File: VY006097.D
Acq: 20 Sep 2021 15:32

Tgt Ion: 119 Resp: 39162
Ion Ratio Lower Upper
119 100
91 44.7 34.8 104.4
134 28.0 13.3 39.9

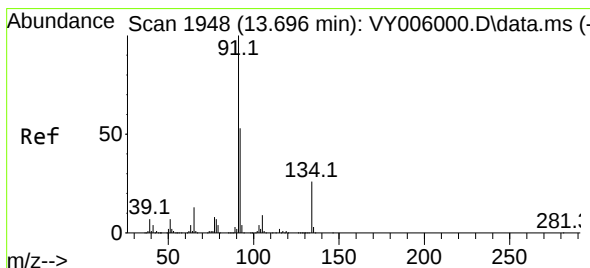
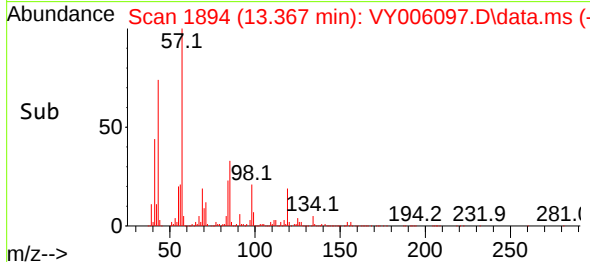
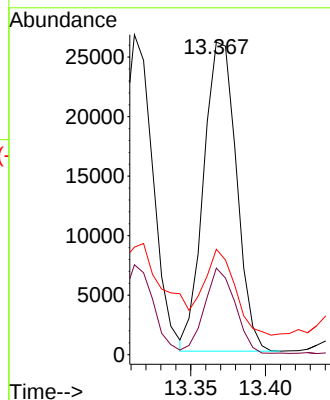
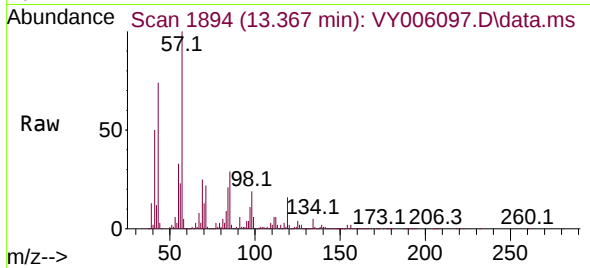




#86
p-Isopropyltoluene
Concen: 7.994 ug/l
RT: 13.367 min Scan# 1894
Delta R.T. -0.000 min
Lab File: VY006097.D
Acq: 20 Sep 2021 15:32

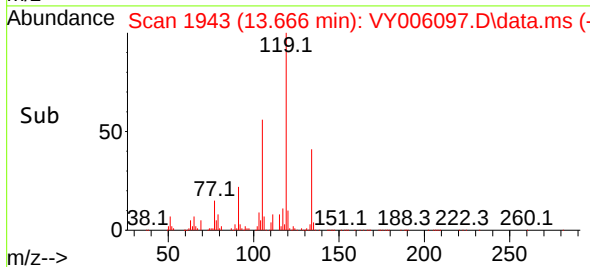
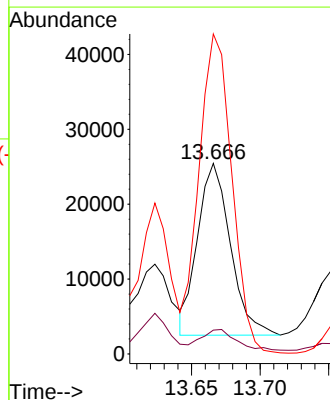
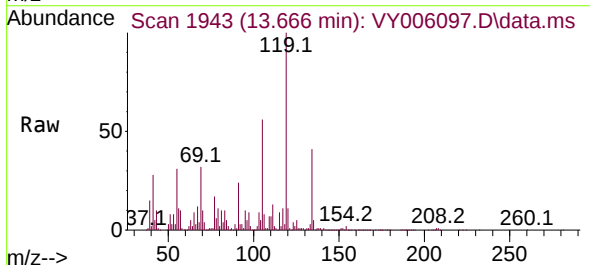
Instrument :
MSVOA_Y
ClientSampleId :

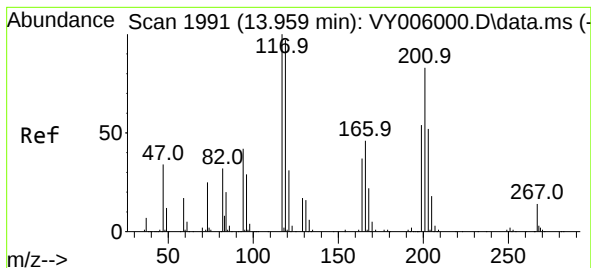
Tgt Ion:	119	Resp:	39750
Ion Ratio	Lower	Upper	
119	100		
134	25.7	13.2	39.5
91	26.2	12.4	37.2



#89
n-Butylbenzene
Concen: 8.225 ug/l
RT: 13.666 min Scan# 1943
Delta R.T. -0.031 min
Lab File: VY006097.D
Acq: 20 Sep 2021 15:32

Tgt Ion:	91	Resp:	38246
Ion Ratio	Lower	Upper	
91	100		
92	14.3	26.3	78.9#
134	186.6	13.0	38.9#

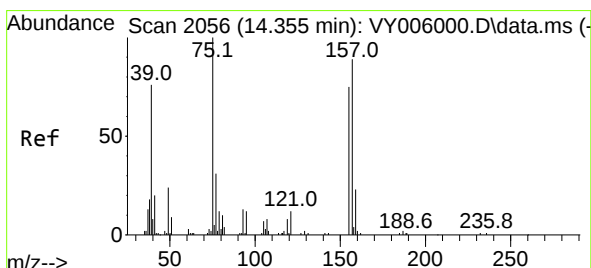
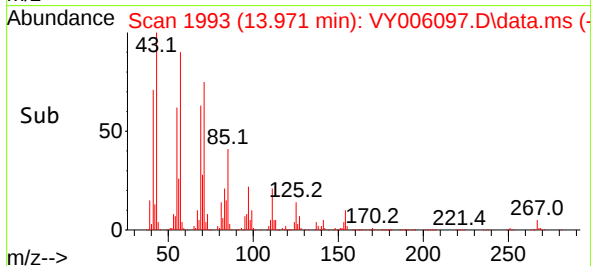
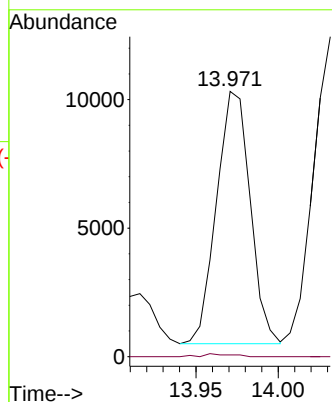
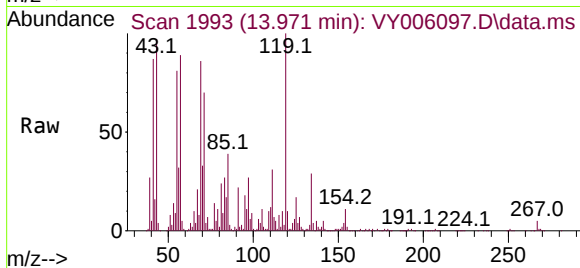




#90
Hexachloroethane
Concen: 15.630 ug/l
RT: 13.971 min Scan# 1993
Delta R.T. 0.012 min
Lab File: VY006097.D
Acq: 20 Sep 2021 15:32

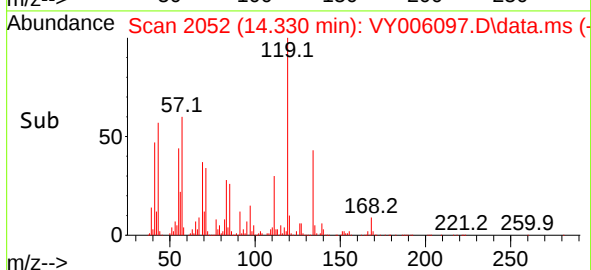
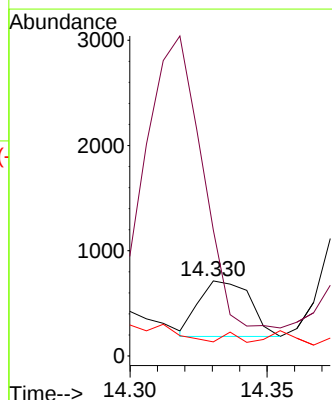
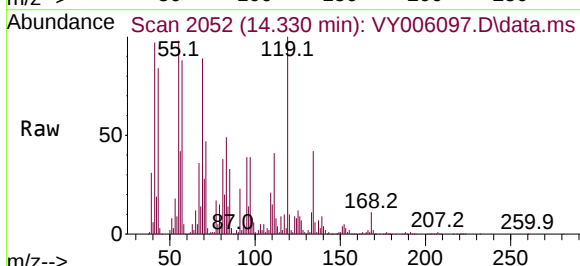
Instrument :
MSVOA_Y
ClientSampleId :

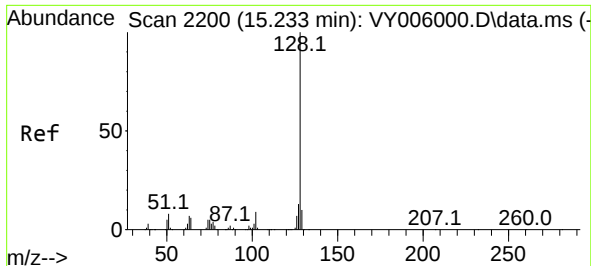
Tgt Ion:117 Resp: 13986
Ion Ratio Lower Upper
117 100
201 1.0 43.0 128.8#



#92
1,2-Dibromo-3-Chloropropane
Concen: 3.368 ug/l
RT: 14.330 min Scan# 2052
Delta R.T. -0.024 min
Lab File: VY006097.D
Acq: 20 Sep 2021 15:32

Tgt Ion: 75 Resp: 682
Ion Ratio Lower Upper
75 100
155 0.0 38.0 113.9#
157 8.8 47.8 143.3#

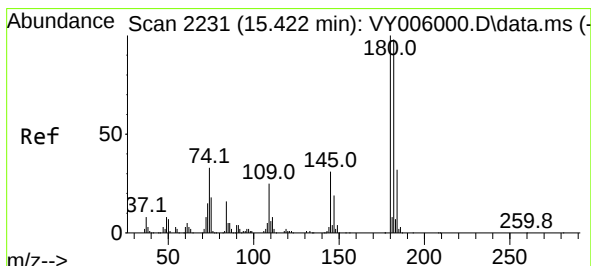
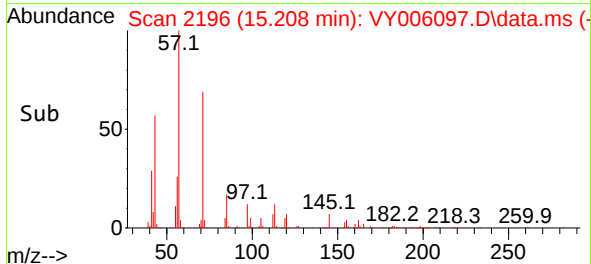
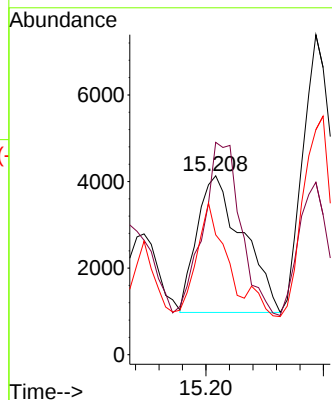
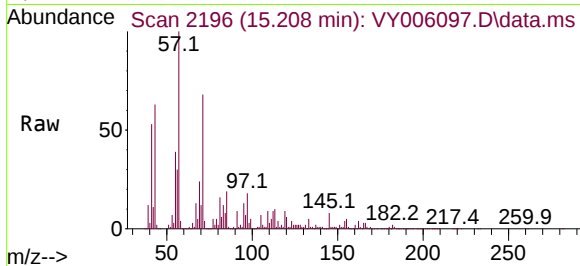




#95
Naphthalene
Concen: 3.059 ug/l
RT: 15.208 min Scan# 2196
Delta R.T. -0.024 min
Lab File: VY006097.D
Acq: 20 Sep 2021 15:32

Instrument :
MSVOA_Y
ClientSampleId :

Tgt Ion:128 Resp: 8561
Ion Ratio Lower Upper
128 100
127 104.0 11.0 16.4#
129 47.0 8.4 12.6#



#96
1,2,3-Trichlorobenzene
Concen: 7.619 ug/l
RT: 15.452 min Scan# 2236
Delta R.T. 0.030 min
Lab File: VY006097.D
Acq: 20 Sep 2021 15:32

Tgt Ion:180 Resp: 9291
Ion Ratio Lower Upper
180 100
182 0.0 47.3 141.9#
145 333.8 15.3 45.9#

