

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070221\
 Data File : VY005344.D
 Acq On : 02 Jul 2021 15:55
 Operator : SY/MD
 Sample : M2933-04
 Misc : 5.08G/5ML/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 4

Quant Time: Jul 05 01:06:10 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062221S.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 23 07:57:52 2021
 Response via : Initial Calibration

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

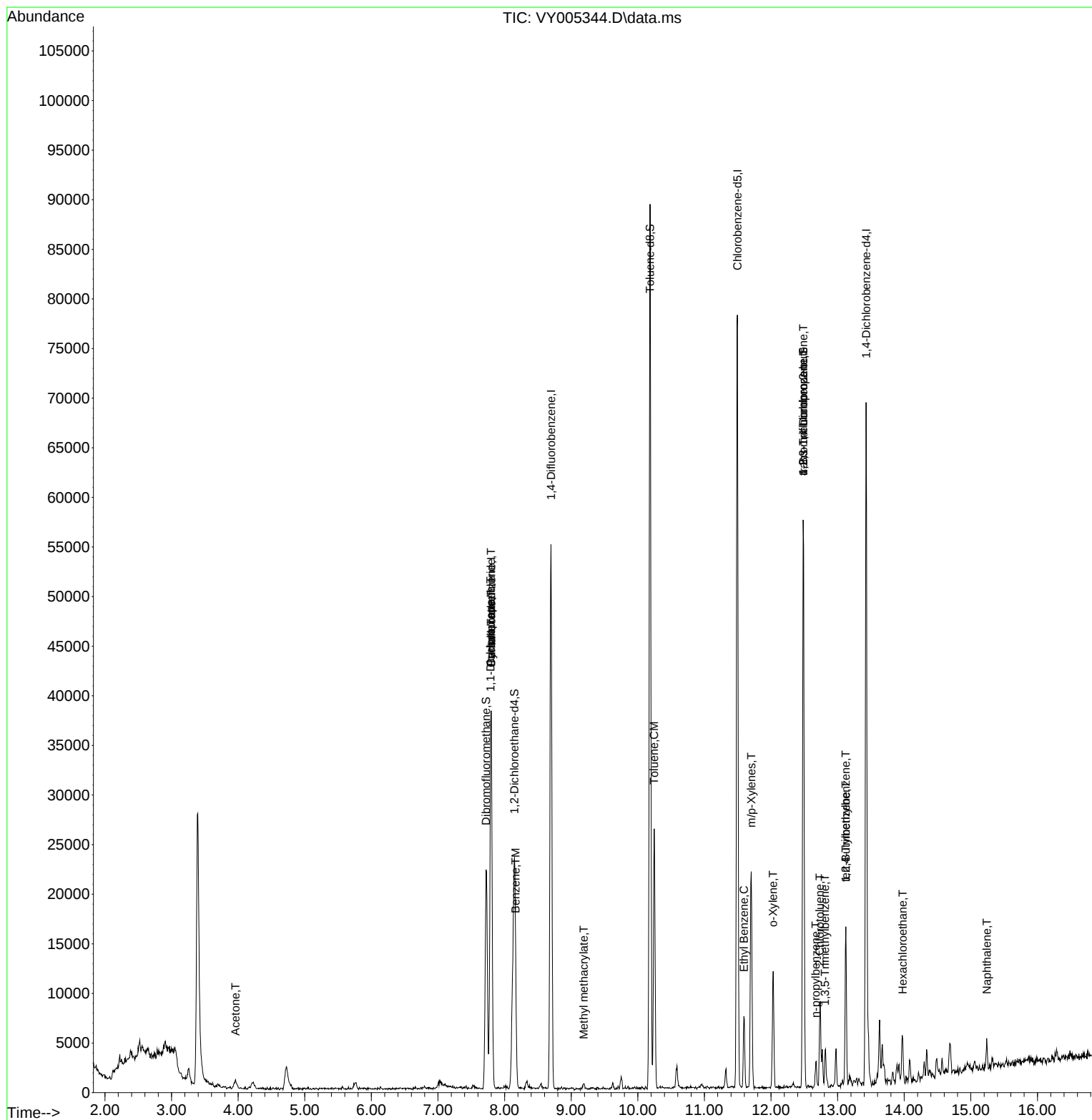
Internal Standards						
1) Pentafluorobenzene	7.801	168	33240	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	48363	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.496	117	44524	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	18719	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.149	65	14723	53.374	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 106.740%			
35) Dibromofluoromethane	7.722	113	15272	53.544	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.080%			
50) Toluene-d8	10.185	98	57792	50.667	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 101.340%			
62) 4-Bromofluorobenzene	12.483	95	15684	41.264	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 82.520%			
Target Compounds					Qvalue	
16) Acetone	3.960	43	1381	21.672	ug/l	96
20) Methylene Chloride	4.729	84	1720	Below Cal		93
31) Cyclohexane	7.795	56	898	1.823	ug/l #	61
36) 1,1-Dichloropropene	7.789	75	2243	5.267	ug/l #	45
38) Carbon Tetrachloride	7.795	117	2912	6.532	ug/l #	17
40) Benzene	8.167	78	4055	3.229	ug/l	96
48) Methyl methacrylate	9.191	41	203	1.146	ug/l #	13
52) Toluene	10.246	92	10865	13.536	ug/l	99
67) Ethyl Benzene	11.593	91	4910	3.227	ug/l	99
68) m/p-Xylenes	11.703	106	7070	11.596	ug/l	92
69) o-Xylene	12.032	106	3275	5.673	ug/l	99
76) 1,2,3-Trichloropropane	12.483	75	8107	48.832	ug/l #	100
78) n-propylbenzene	12.672	91	2186	1.527	ug/l	100
79) 2-Chlorotoluene	12.733	91	1041	1.289	ug/l #	38
80) 1,3,5-Trimethylbenzene	12.812	105	2162	2.153	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.483	75	8107	91.110	ug/l #	17
83) tert-Butylbenzene	13.123	119	1301	1.453	ug/l #	67
84) 1,2,4-Trimethylbenzene	13.123	105	8088	8.145	ug/l	98
90) Hexachloroethane	13.977	117	220	1.084	ug/l #	1
95) Naphthalene	15.239	128	2370	3.341	ug/l	99

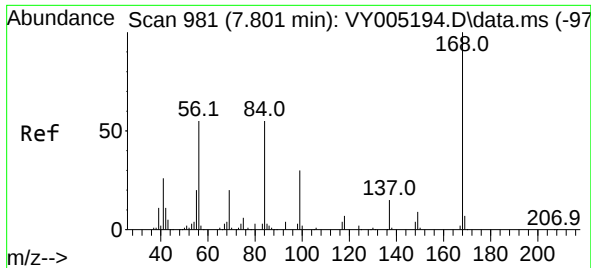
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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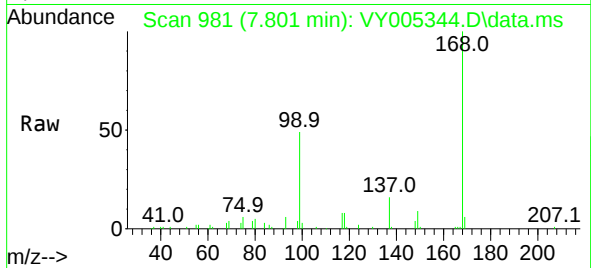
Quant Time: Jul 05 01:06:10 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062221S.M
Quant Title : SW846 8260
QLast Update : Wed Jun 23 07:57:52 2021
Response via : Initial Calibration



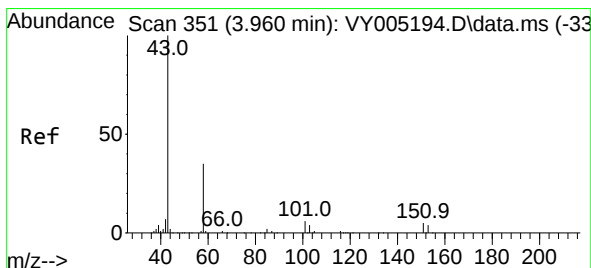
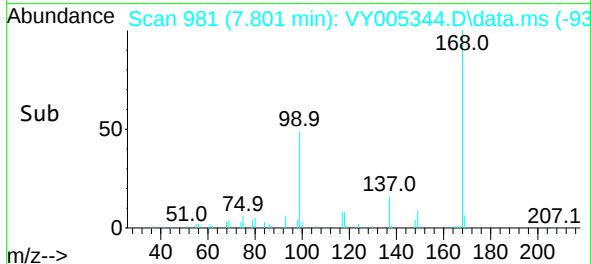
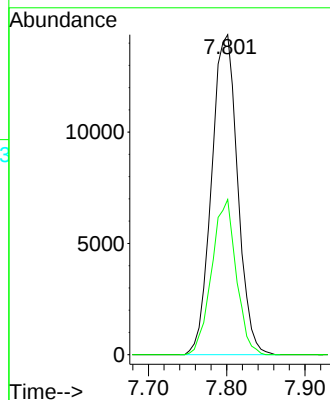


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.801 min Scan# 981
Delta R.T. 0.000 min
Lab File: VY005344.D
Acq: 02 Jul 2021 15:55

Instrument :
MSVOA_Y
ClientSampled :
4

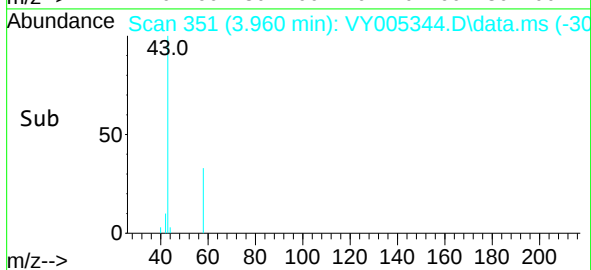
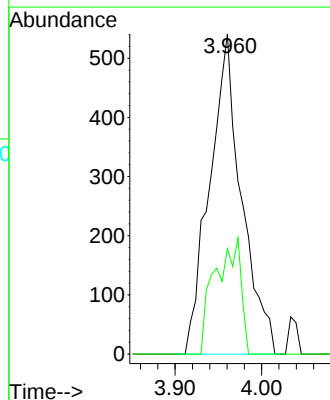
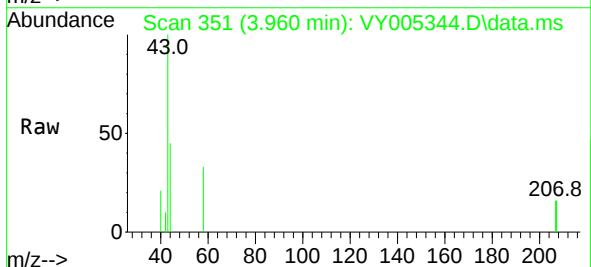


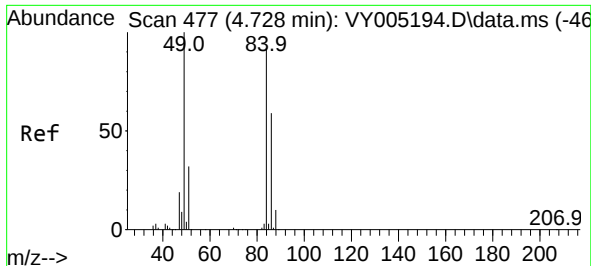
Tgt Ion:168 Resp: 33240
Ion Ratio Lower Upper
168 100
99 48.5 36.2 54.4



#16
Acetone
Concen: 21.672 ug/l
RT: 3.960 min Scan# 351
Delta R.T. 0.000 min
Lab File: VY005344.D
Acq: 02 Jul 2021 15:55

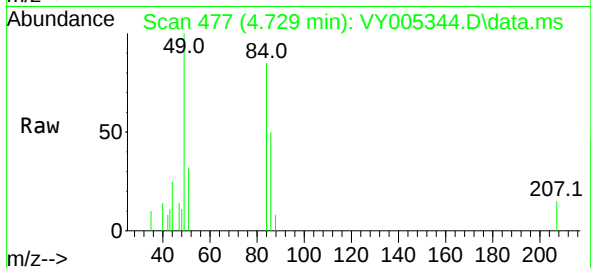
Tgt Ion: 43 Resp: 1381
Ion Ratio Lower Upper
43 100
58 32.9 28.2 42.2



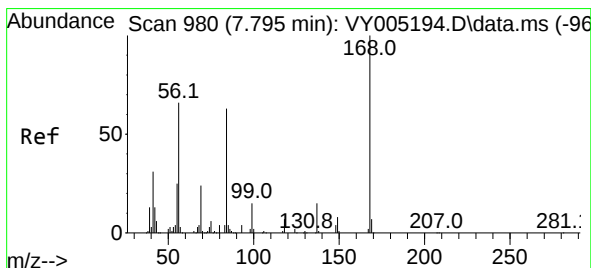
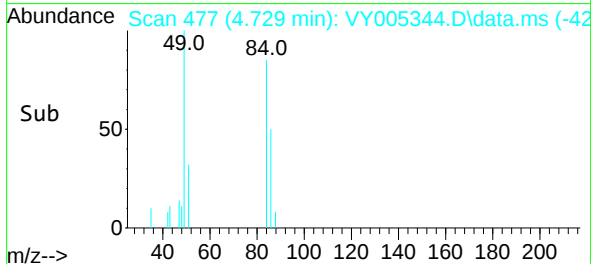
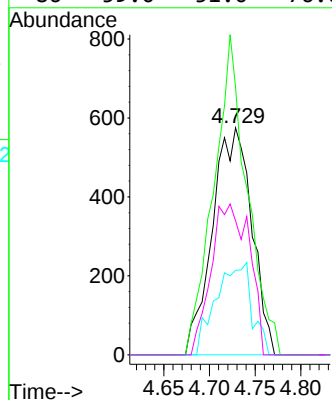


#20
Methylene Chloride
Concen: Below Cal
RT: 4.729 min Scan# 477
Delta R.T. 0.001 min
Lab File: VY005344.D
Acq: 02 Jul 2021 15:55

Instrument :
MSVOA_Y
ClientSampled :
4

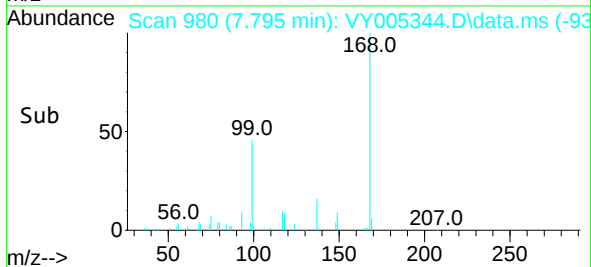
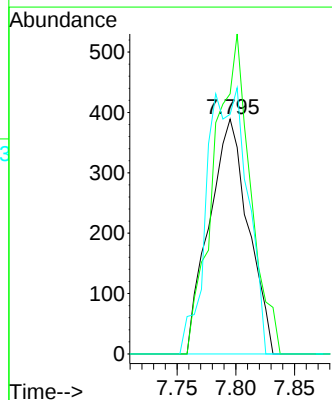
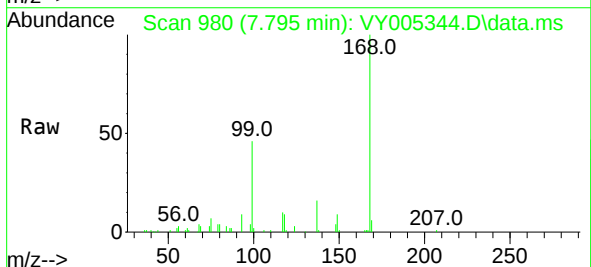


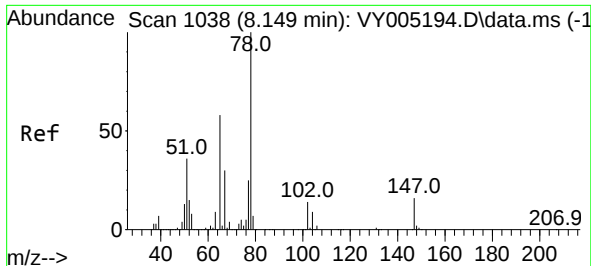
Tgt Ion:	84	Resp:	1720
Ion	Ratio	Lower	Upper
84	100		
49	117.9	86.9	130.3
51	37.2	27.4	41.2
86	59.0	51.0	76.6



#31
Cyclohexane
Concen: 1.823 ug/l
RT: 7.795 min Scan# 980
Delta R.T. 0.000 min
Lab File: VY005344.D
Acq: 02 Jul 2021 15:55

Tgt Ion:	56	Resp:	898
Ion	Ratio	Lower	Upper
56	100		
69	110.8	29.6	44.4#
84	102.1	76.4	114.6



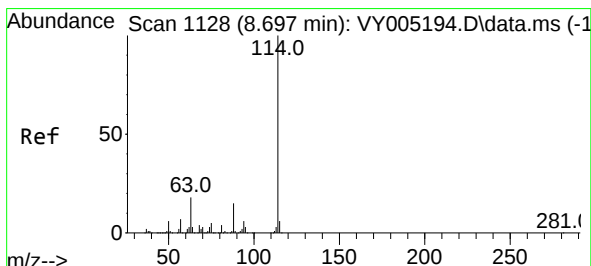
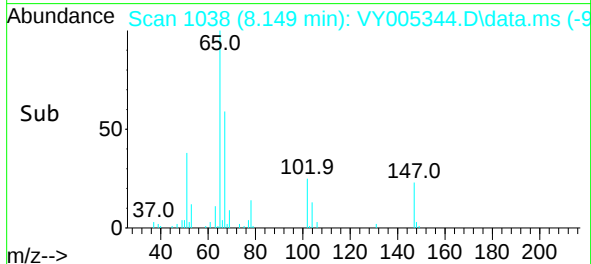
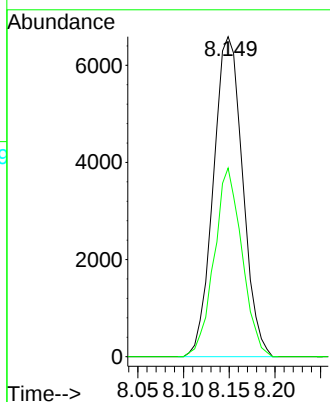
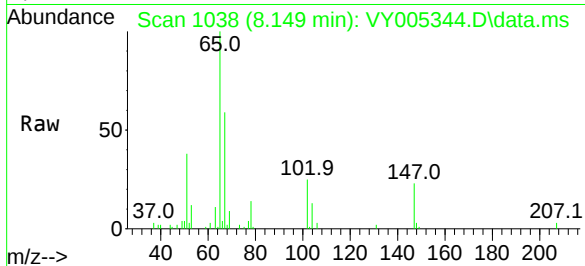


#33
 1,2-Dichloroethane-d4
 Concen: 53.374 ug/l
 RT: 8.149 min Scan# 1038
 Delta R.T. 0.000 min
 Lab File: VY005344.D
 Acq: 02 Jul 2021 15:55

Instrument :
 MSVOA_Y
 ClientSampled :
 4

Tgt Ion: 65 Resp: 14723

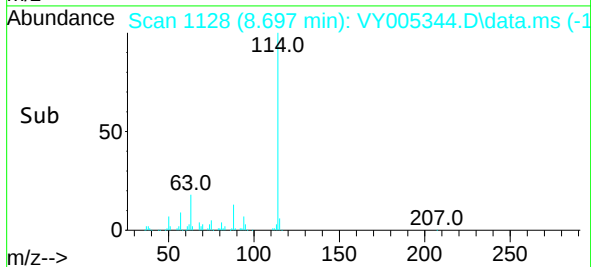
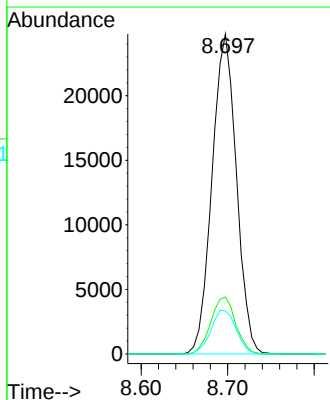
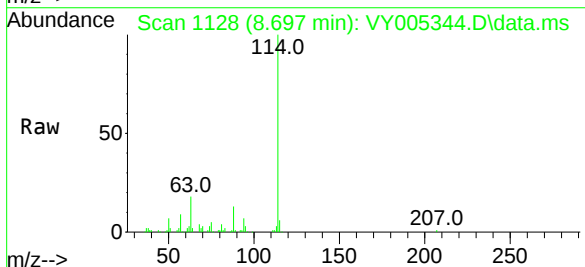
Ion	Ratio	Lower	Upper
65	100		
67	55.8	0.0	110.6

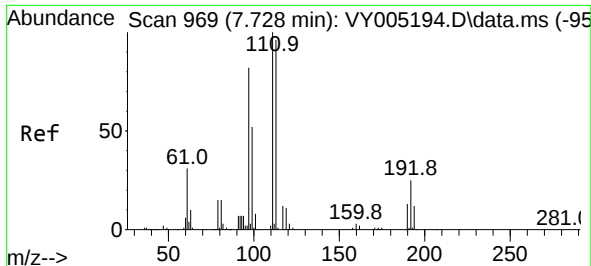


#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.697 min Scan# 1128
 Delta R.T. 0.000 min
 Lab File: VY005344.D
 Acq: 02 Jul 2021 15:55

Tgt Ion: 114 Resp: 48363

Ion	Ratio	Lower	Upper
114	100		
63	17.8	0.0	35.2
88	13.5	0.0	29.4

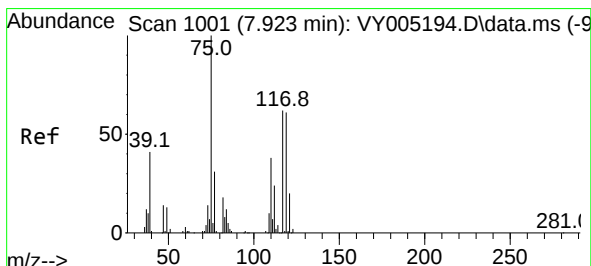
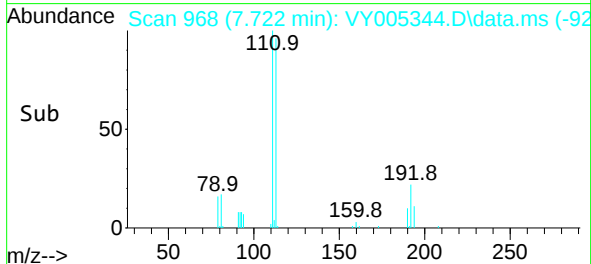
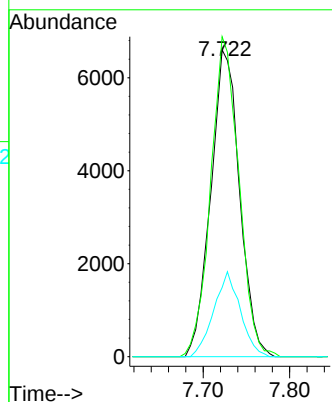
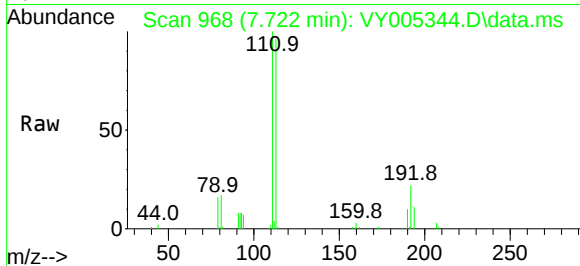




#35
Dibromofluoromethane
Concen: 53.544 ug/l
RT: 7.722 min Scan# 968
Delta R.T. -0.006 min
Lab File: VY005344.D
Acq: 02 Jul 2021 15:55

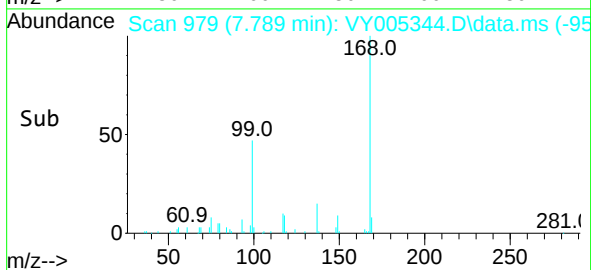
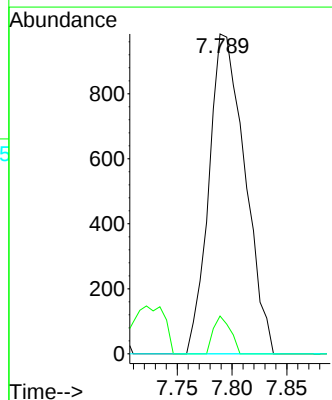
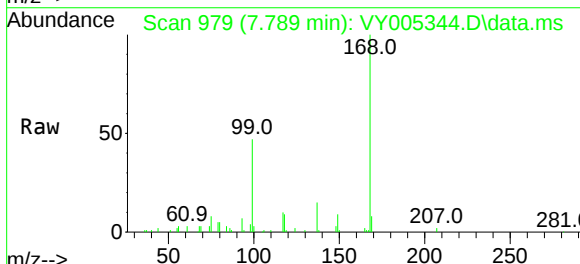
Instrument :
MSVOA_Y
ClientSampleId :
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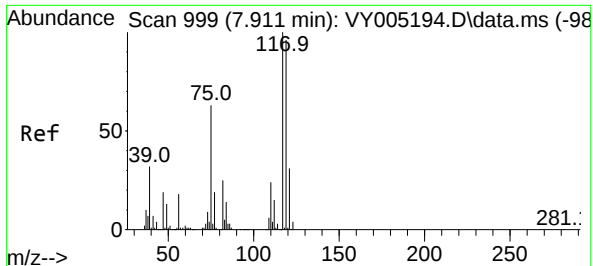
Tgt Ion:113 Resp: 15272
Ion Ratio Lower Upper
113 100
111 101.7 82.6 124.0
192 25.5 20.2 30.2



#36
1,1-Dichloropropene
Concen: 5.267 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.134 min
Lab File: VY005344.D
Acq: 02 Jul 2021 15:55

Tgt Ion: 75 Resp: 2243
Ion Ratio Lower Upper
75 100
110 5.6 19.1 57.5#
77 0.0 25.2 37.8#

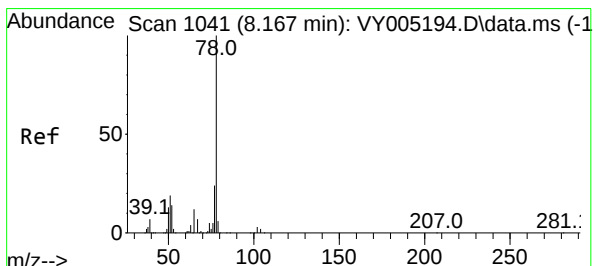
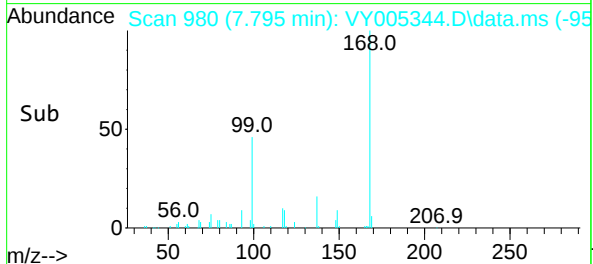
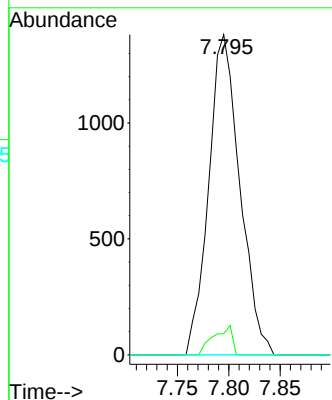
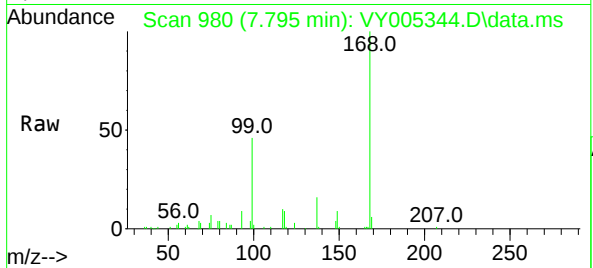




#38
Carbon Tetrachloride
Concen: 6.532 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.116 min
Lab File: VY005344.D
Acq: 02 Jul 2021 15:55

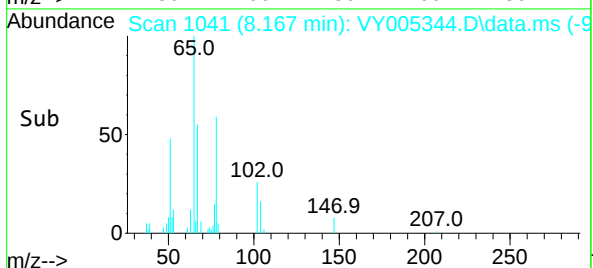
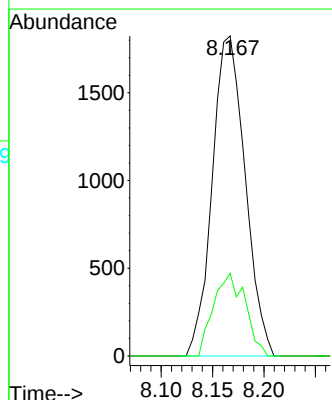
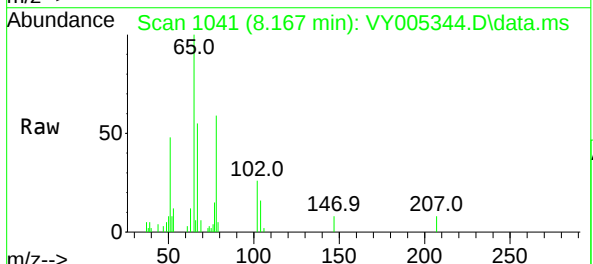
Instrument :
MSVOA_Y
ClientSampleId :
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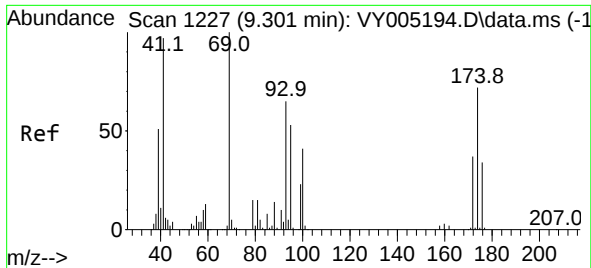
Tgt Ion:117 Resp: 2912
Ion Ratio Lower Upper
117 100
119 6.6 76.2 114.4#
121 0.0 24.7 37.1#



#40
Benzene
Concen: 3.229 ug/l
RT: 8.167 min Scan# 1041
Delta R.T. 0.000 min
Lab File: VY005344.D
Acq: 02 Jul 2021 15:55

Tgt Ion: 78 Resp: 4055
Ion Ratio Lower Upper
78 100
77 25.8 19.1 28.7

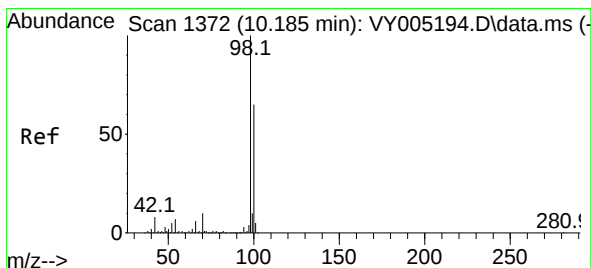
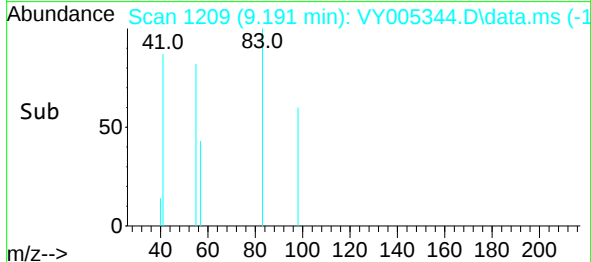
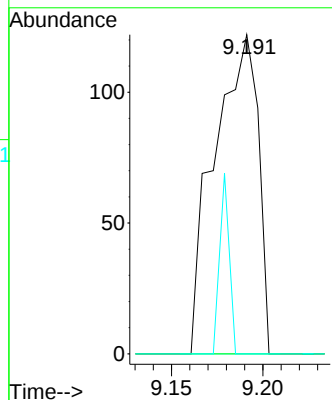
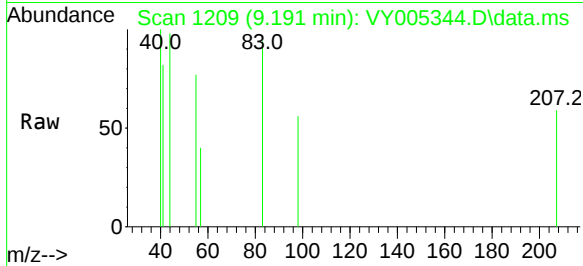




#48
Methyl methacrylate
Concen: 1.146 ug/l
RT: 9.191 min Scan# 1209
Delta R.T. -0.110 min
Lab File: VY005344.D
Acq: 02 Jul 2021 15:55

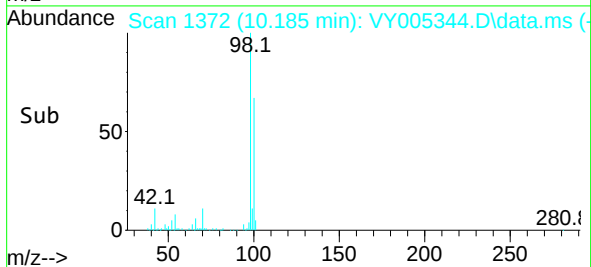
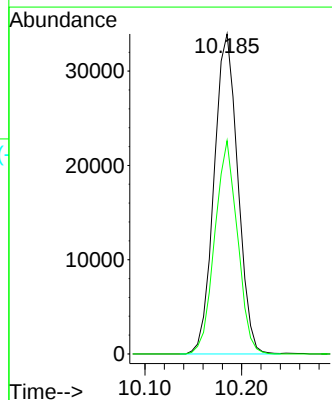
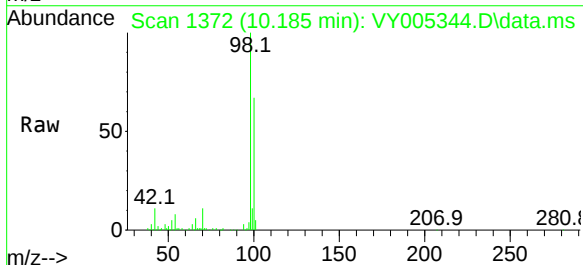
Instrument :
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ClientSampled :
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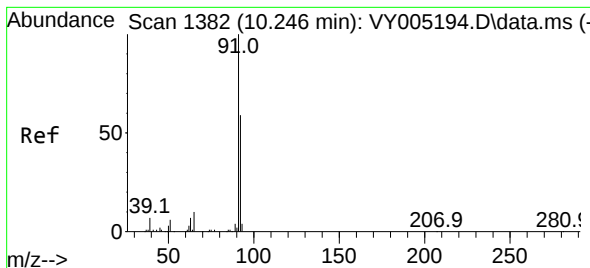
Tgt Ion: 41 Resp: 203
Ion Ratio Lower Upper
41 100
69 0.0 83.3 124.9#
39 12.3 42.3 63.5#



#50
Toluene-d8
Concen: 50.667 ug/l
RT: 10.185 min Scan# 1372
Delta R.T. 0.000 min
Lab File: VY005344.D
Acq: 02 Jul 2021 15:55

Tgt Ion: 98 Resp: 57792
Ion Ratio Lower Upper
98 100
100 63.8 51.9 77.9

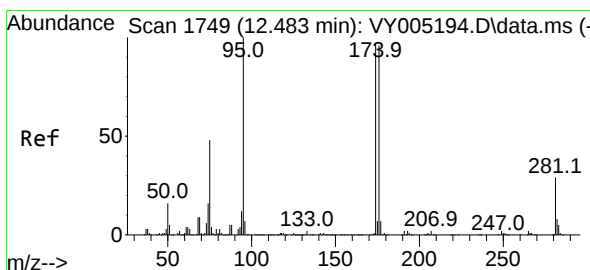
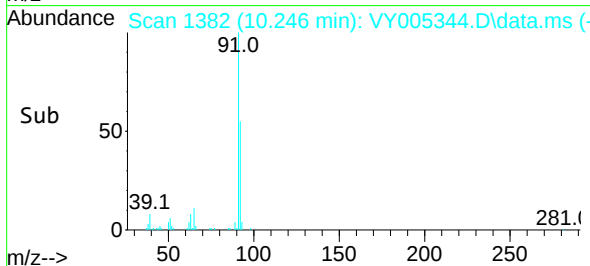
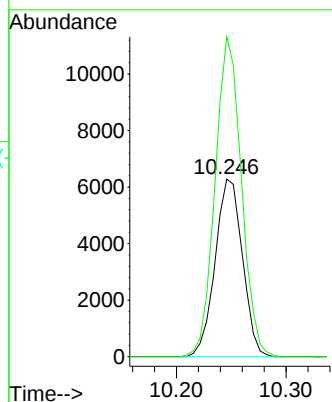
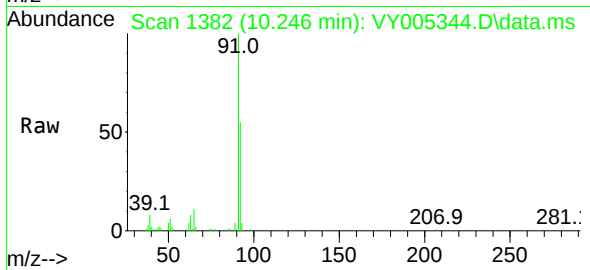




#52
Toluene
Concen: 13.536 ug/l
RT: 10.246 min Scan# 1382
Delta R.T. 0.000 min
Lab File: VY005344.D
Acq: 02 Jul 2021 15:55

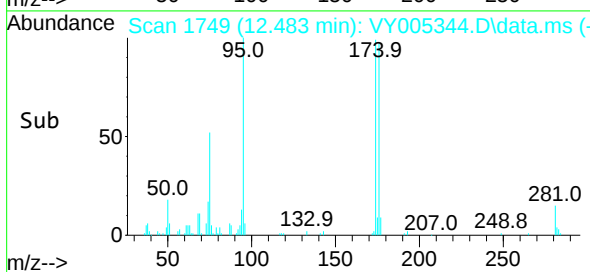
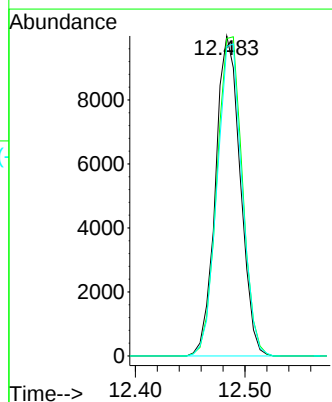
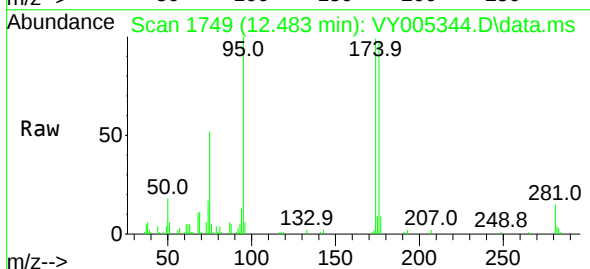
Instrument :
MSVOA_Y
ClientSampled :
4

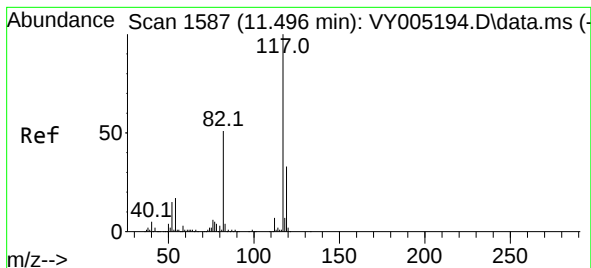
Tgt Ion: 92 Resp: 10865
Ion Ratio Lower Upper
92 100
91 173.9 138.3 207.5



#62
4-Bromofluorobenzene
Concen: 41.264 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY005344.D
Acq: 02 Jul 2021 15:55

Tgt Ion: 95 Resp: 15684
Ion Ratio Lower Upper
95 100
174 102.2 0.0 201.6
176 98.6 0.0 197.4

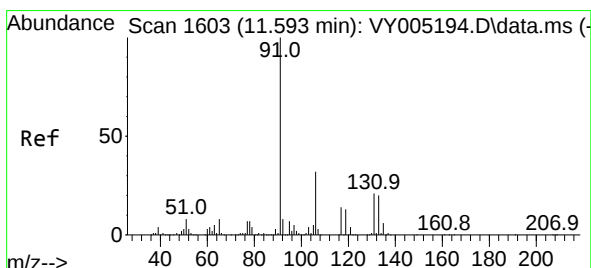
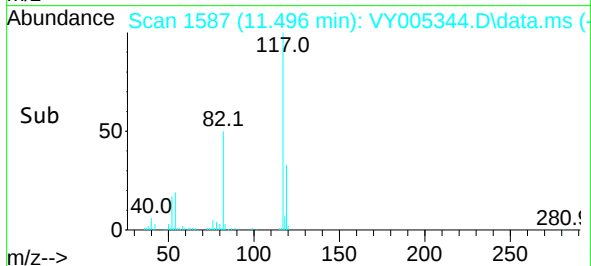
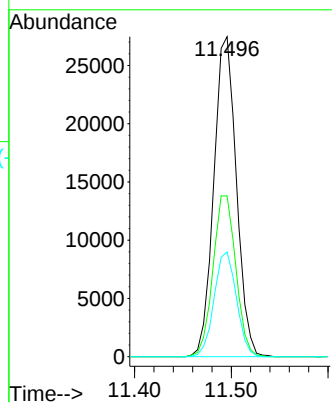
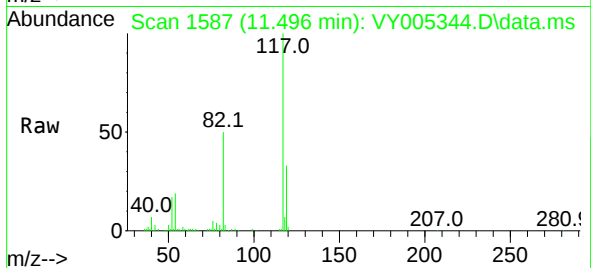




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.496 min Scan# 1587
Delta R.T. 0.000 min
Lab File: VY005344.D
Acq: 02 Jul 2021 15:55

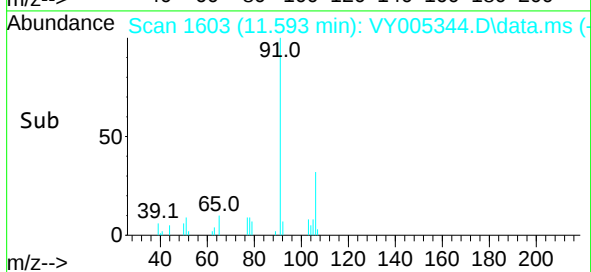
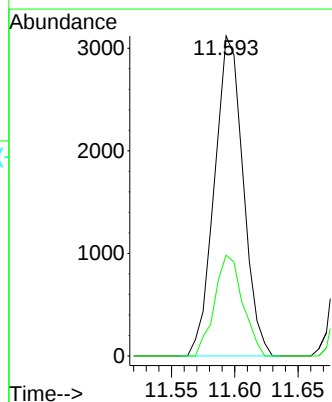
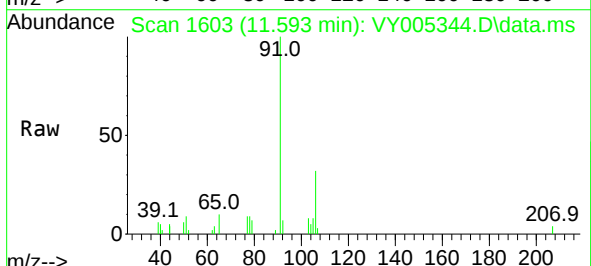
Instrument :
MSVOA_Y
ClientSampled :
4

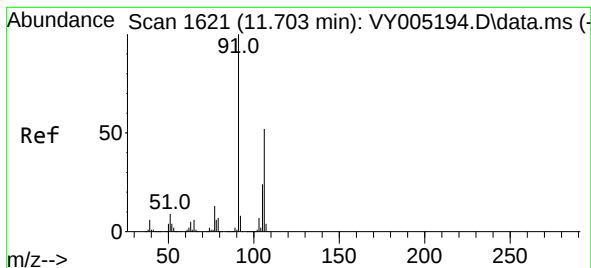
Tgt Ion:	117	Resp:	44524
Ion	Ratio	Lower	Upper
117	100		
82	50.3	40.6	60.8
119	32.7	26.1	39.1



#67
Ethyl Benzene
Concen: 3.227 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. 0.000 min
Lab File: VY005344.D
Acq: 02 Jul 2021 15:55

Tgt Ion:	91	Resp:	4910
Ion	Ratio	Lower	Upper
91	100		
106	31.5	25.8	38.6

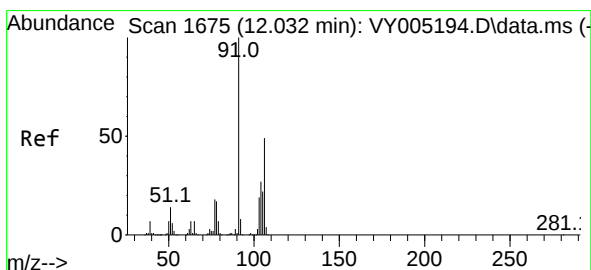
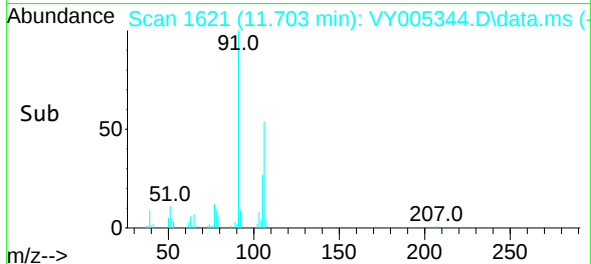
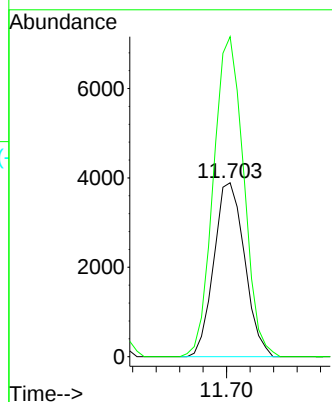
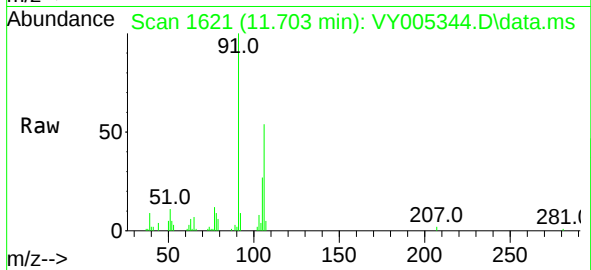




#68
m/p-Xylenes
Concen: 11.596 ug/l
RT: 11.703 min Scan# 1621
Delta R.T. 0.000 min
Lab File: VY005344.D
Acq: 02 Jul 2021 15:55

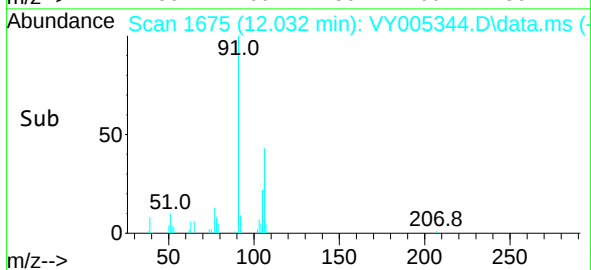
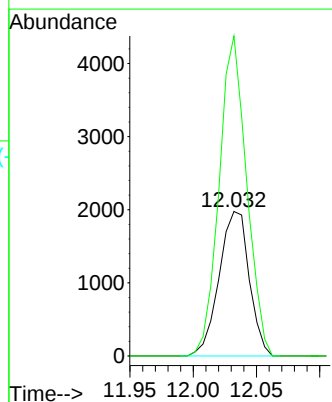
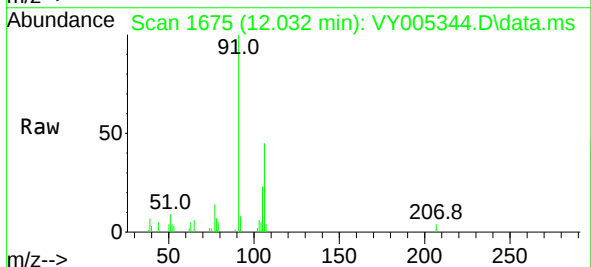
Instrument :
MSVOA_Y
ClientSampled :
4

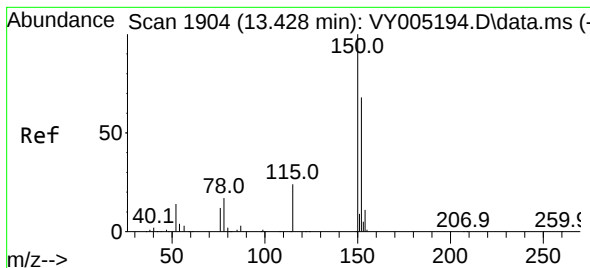
Tgt Ion:106 Resp: 7070
Ion Ratio Lower Upper
106 100
91 181.1 154.8 232.2



#69
o-Xylene
Concen: 5.673 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. 0.000 min
Lab File: VY005344.D
Acq: 02 Jul 2021 15:55

Tgt Ion:106 Resp: 3275
Ion Ratio Lower Upper
106 100
91 201.7 101.6 304.8

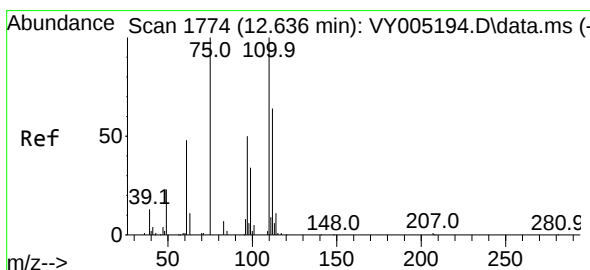
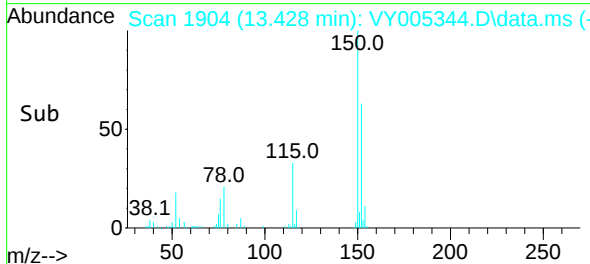
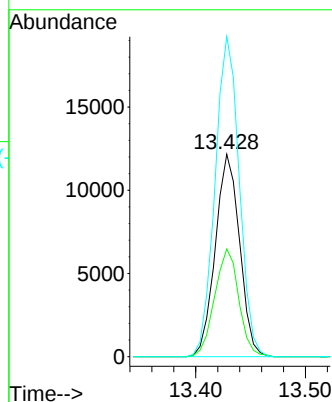
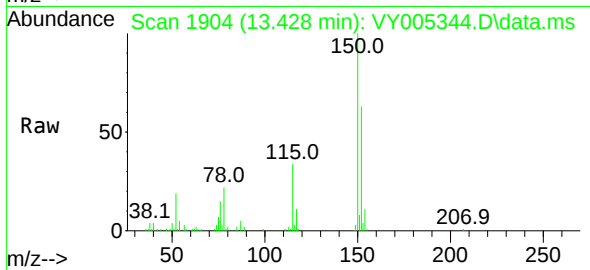




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VY005344.D
Acq: 02 Jul 2021 15:55

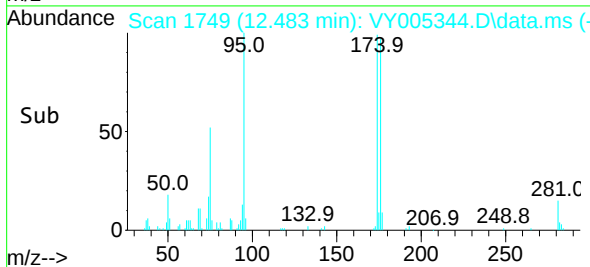
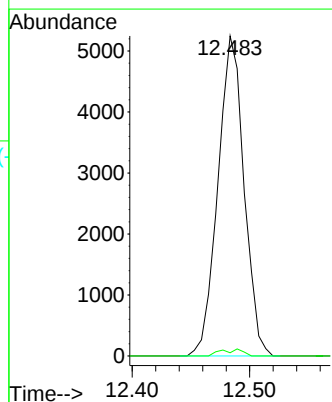
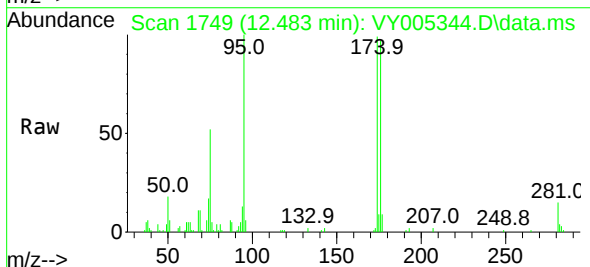
Instrument :
MSVOA_Y
ClientSampled :
4

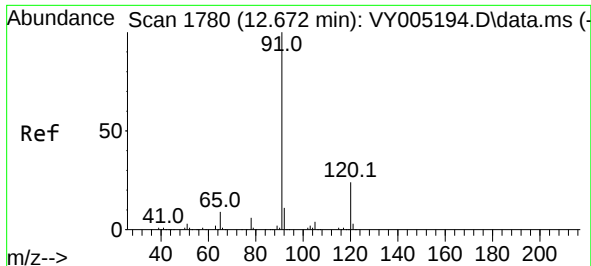
Tgt Ion:152 Resp: 18719
Ion Ratio Lower Upper
152 100
115 52.9 26.3 78.8
150 157.6 0.0 344.2



#76
1,2,3-Trichloropropane
Concen: 48.832 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.152 min
Lab File: VY005344.D
Acq: 02 Jul 2021 15:55

Tgt Ion: 75 Resp: 8107
Ion Ratio Lower Upper
75 100
77 1.8 0.0 0.0#

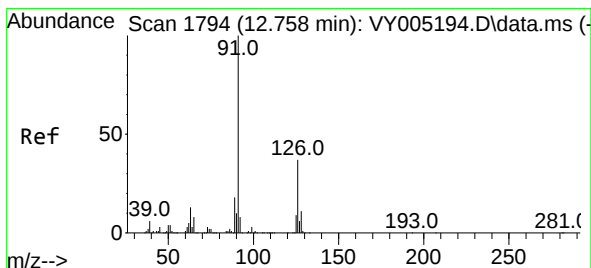
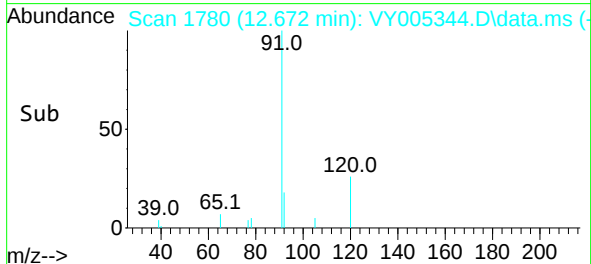
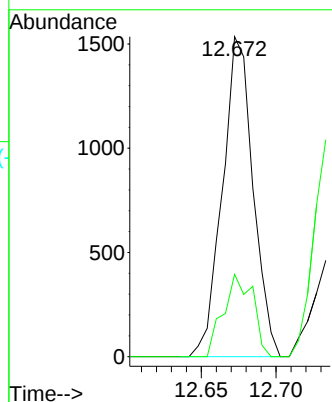
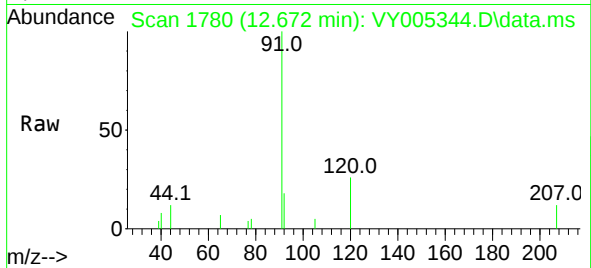




#78
n-propylbenzene
Concen: 1.527 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. 0.000 min
Lab File: VY005344.D
Acq: 02 Jul 2021 15:55

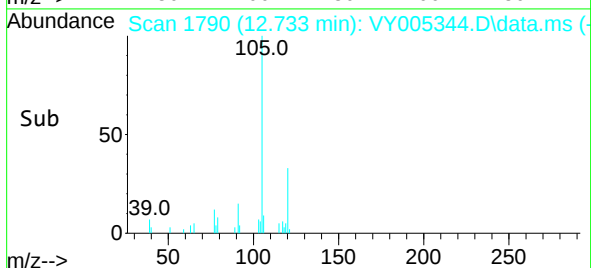
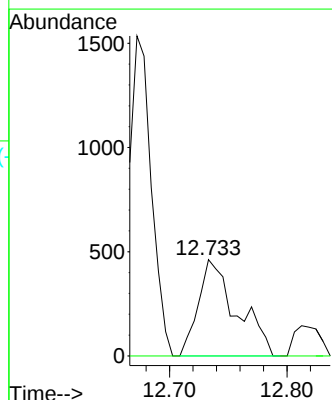
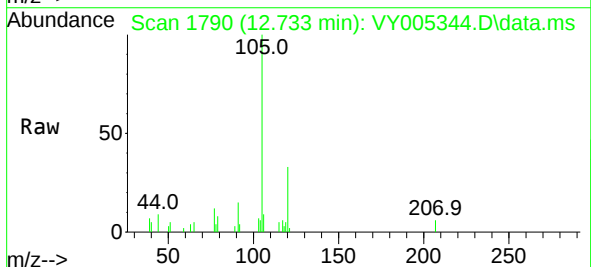
Instrument :
MSVOA_Y
ClientSampled :
4

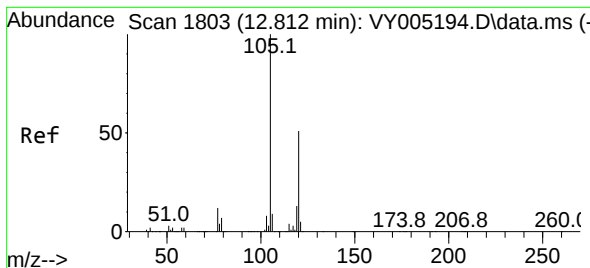
Tgt Ion: 91 Resp: 2186
Ion Ratio Lower Upper
91 100
120 24.7 12.4 37.0



#79
2-Chlorotoluene
Concen: 1.289 ug/l
RT: 12.733 min Scan# 1790
Delta R.T. -0.024 min
Lab File: VY005344.D
Acq: 02 Jul 2021 15:55

Tgt Ion: 91 Resp: 1041
Ion Ratio Lower Upper
91 100
126 0.0 18.6 55.6#

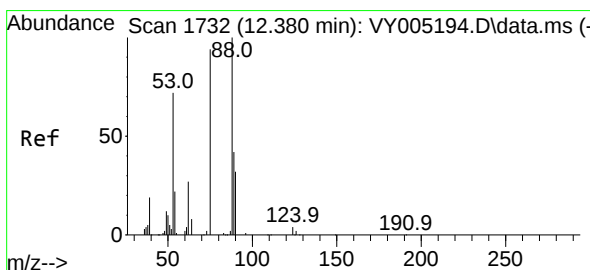
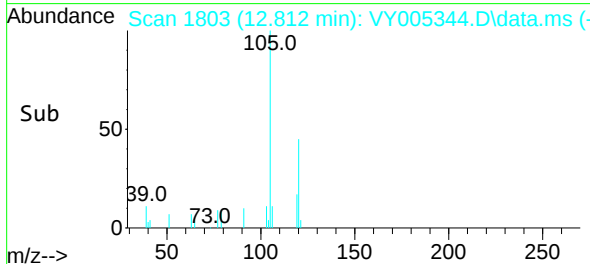
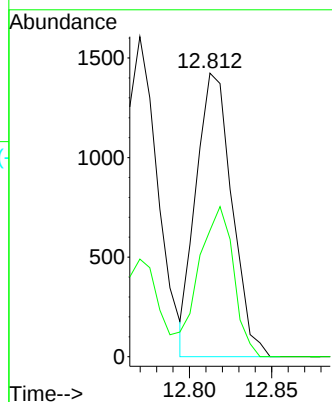
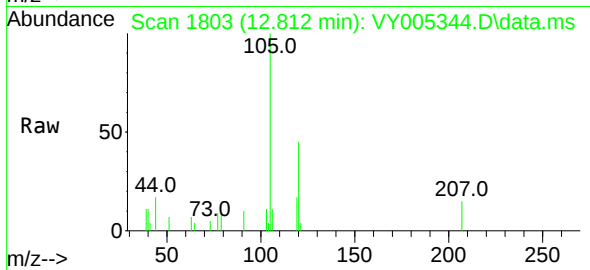




#80
1,3,5-Trimethylbenzene
Concen: 2.153 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. 0.000 min
Lab File: VY005344.D
Acq: 02 Jul 2021 15:55

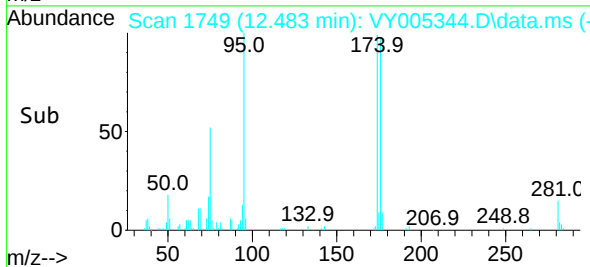
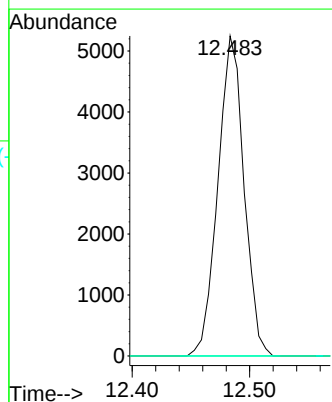
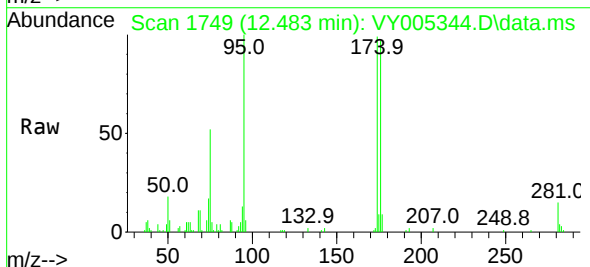
Instrument :
MSVOA_Y
ClientSampled :
4

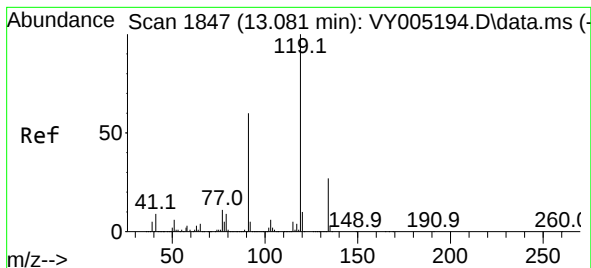
Tgt Ion:105 Resp: 2162
Ion Ratio Lower Upper
105 100
120 52.1 25.9 77.7



#81
trans-1,4-Dichloro-2-butene
Concen: 91.110 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY005344.D
Acq: 02 Jul 2021 15:55

Tgt Ion: 75 Resp: 8107
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 38.0 57.0#

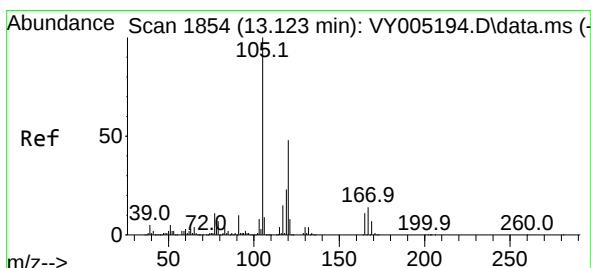
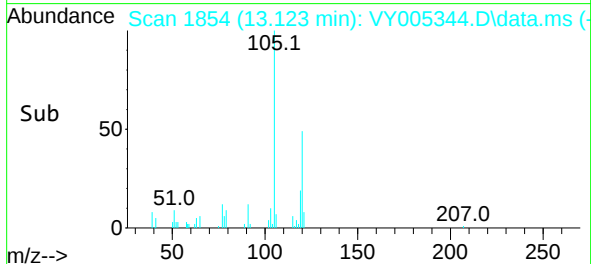
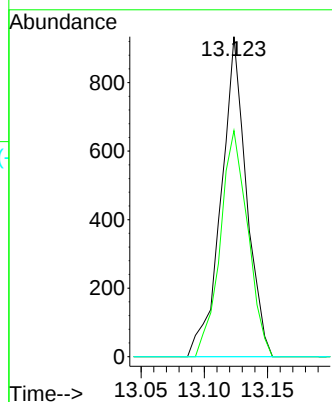
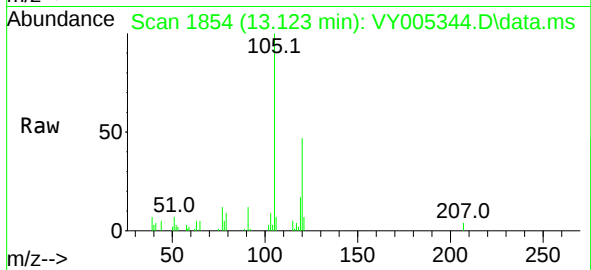




#83
tert-Butylbenzene
Concen: 1.453 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.043 min
Lab File: VY005344.D
Acq: 02 Jul 2021 15:55

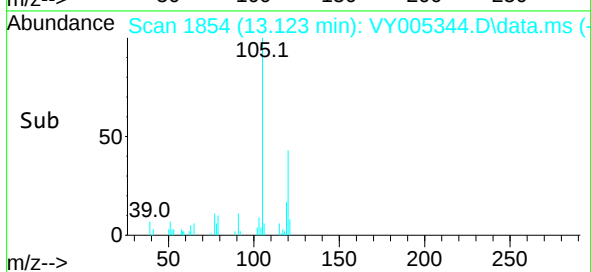
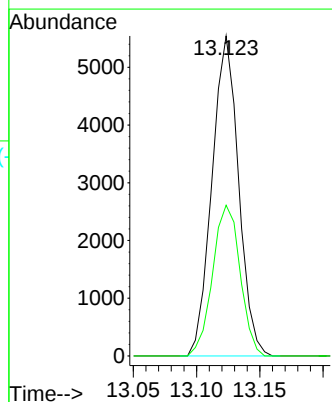
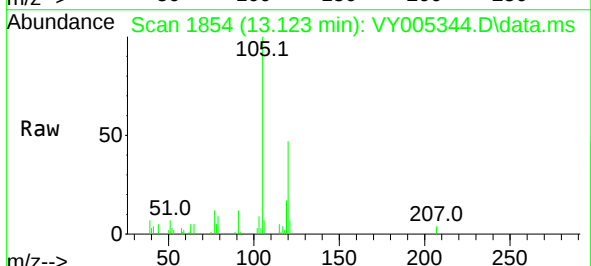
Instrument :
MSVOA_Y
ClientSampled :
4

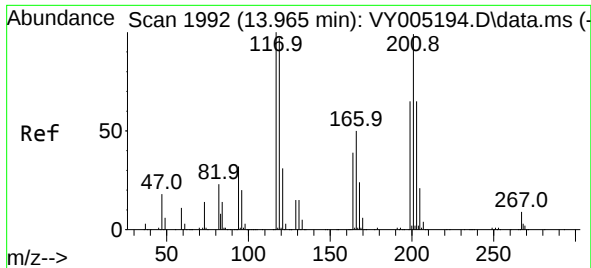
Tgt Ion:119 Resp: 1301
Ion Ratio Lower Upper
119 100
91 76.7 29.5 88.5
134 0.0 13.5 40.5#



#84
1,2,4-Trimethylbenzene
Concen: 8.145 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. 0.000 min
Lab File: VY005344.D
Acq: 02 Jul 2021 15:55

Tgt Ion:105 Resp: 8088
Ion Ratio Lower Upper
105 100
120 48.7 23.6 71.0

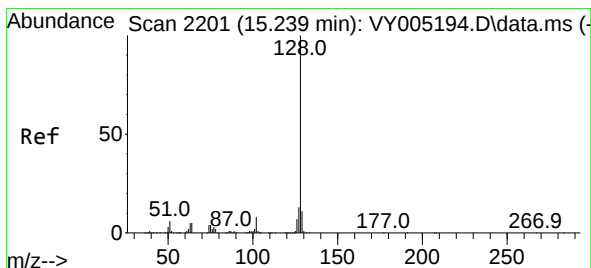
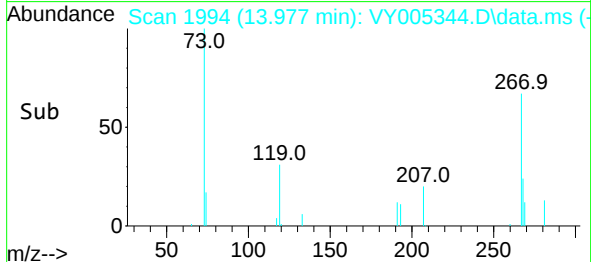
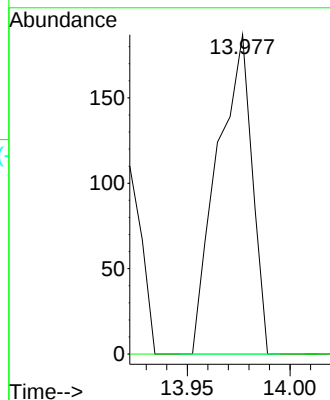
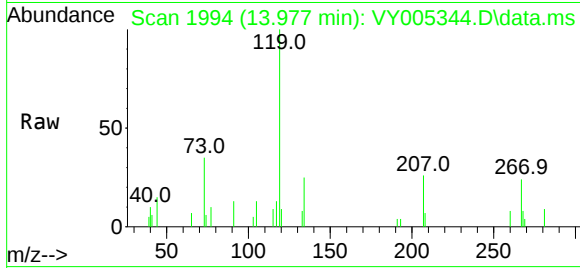




#90
Hexachloroethane
Concen: 1.084 ug/l
RT: 13.977 min Scan# 1994
Delta R.T. 0.012 min
Lab File: VY005344.D
Acq: 02 Jul 2021 15:55

Instrument :
MSVOA_Y
ClientSampled :
4

Tgt Ion:117 Resp: 220
Ion Ratio Lower Upper
117 100
201 0.0 49.4 148.2#



#95
Naphthalene
Concen: 3.341 ug/l
RT: 15.239 min Scan# 2201
Delta R.T. 0.000 min
Lab File: VY005344.D
Acq: 02 Jul 2021 15:55

Tgt Ion:128 Resp: 2370
Ion Ratio Lower Upper
128 100
127 13.4 10.2 15.4
129 11.0 8.7 13.1

