

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070221\
 Data File : VY005353.D
 Acq On : 02 Jul 2021 19:48
 Operator : SY/MD
 Sample : M2933-02
 Misc : 5.04G/5ML/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 2

Quant Time: Jul 05 01:08:33 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)

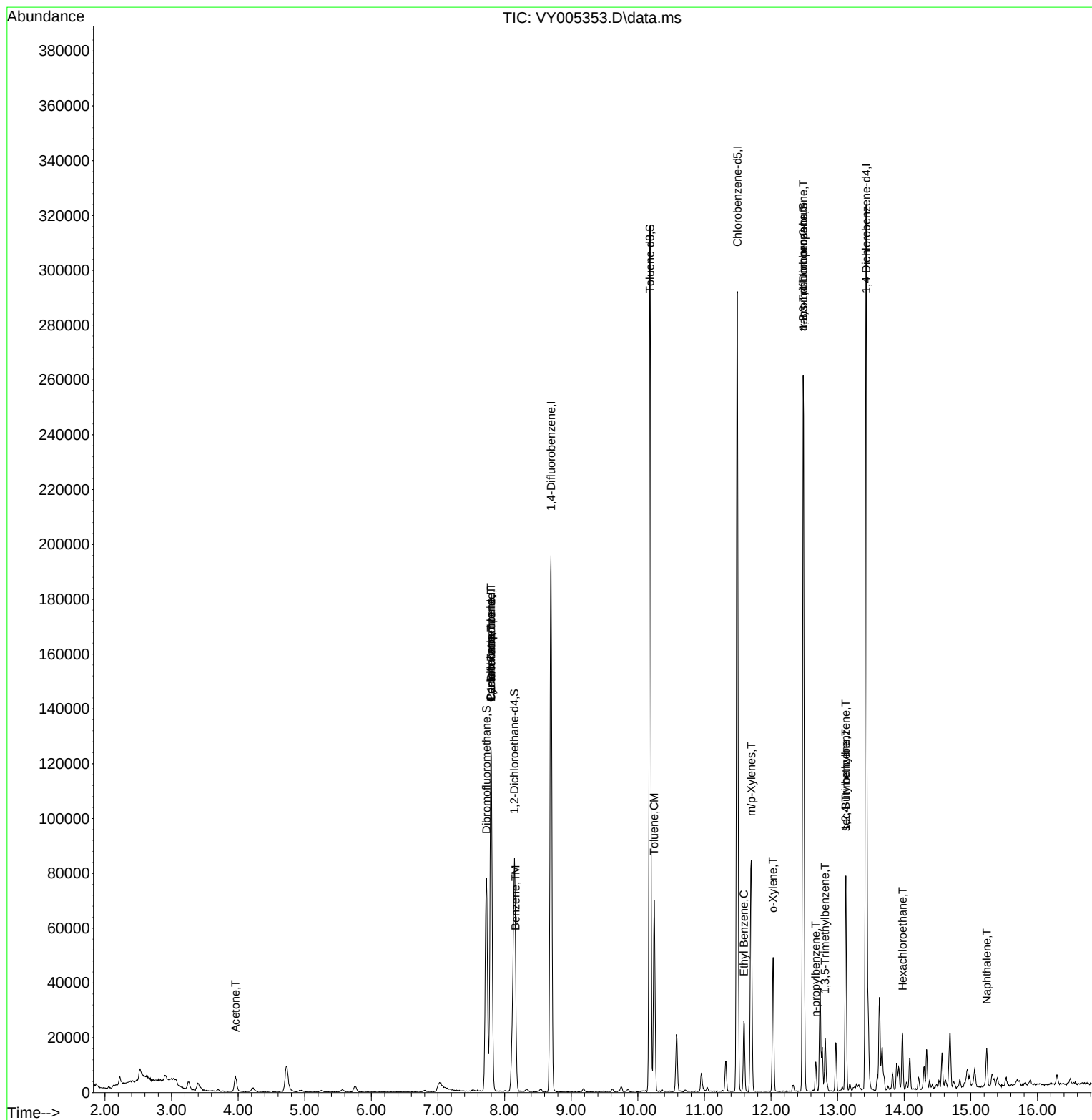
Internal Standards						
1) Pentafluorobenzene	7.795	168	106882	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.697	114	172212	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.495	117	169173	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	87033	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.148	65	57038	64.307	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 128.620%	
35) Dibromofluoromethane	7.728	113	54864	54.020	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.040%	
50) Toluene-d8	10.184	98	211102	51.975	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 103.960%	
62) 4-Bromofluorobenzene	12.483	95	69117	51.068	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 102.140%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	4.948	59	812	Below Cal	#	77
16) Acetone	3.960	43	9419	45.969	ug/l	98
20) Methylene Chloride	4.728	84	7203	Below Cal		95
31) Cyclohexane	7.795	56	2253	1.423	ug/l #	12
36) 1,1-Dichloropropene	7.795	75	7250	4.781	ug/l #	47
38) Carbon Tetrachloride	7.795	117	9094	5.729	ug/l #	16
40) Benzene	8.167	78	7874	1.761	ug/l	98
52) Toluene	10.245	92	28850	10.094	ug/l	99
67) Ethyl Benzene	11.593	91	17493	3.025	ug/l	98
68) m/p-Xylenes	11.702	106	26615	11.489	ug/l	98
69) o-Xylene	12.032	106	12823	5.846	ug/l	98
76) 1,2,3-Trichloropropane	12.483	75	35227	45.638	ug/l #	100
78) n-propylbenzene	12.672	91	7957	1.195	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	9145	1.958	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.483	75	35227	85.149	ug/l #	17
84) 1,2,4-Trimethylbenzene	13.123	105	39960	8.655	ug/l	100
85) sec-Butylbenzene	13.123	105	39960	6.598	ug/l #	54
90) Hexachloroethane	13.976	117	1004	1.064	ug/l #	1
95) Naphthalene	15.238	128	11788	3.574	ug/l	99

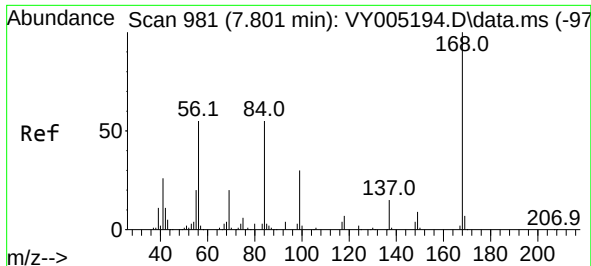
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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2

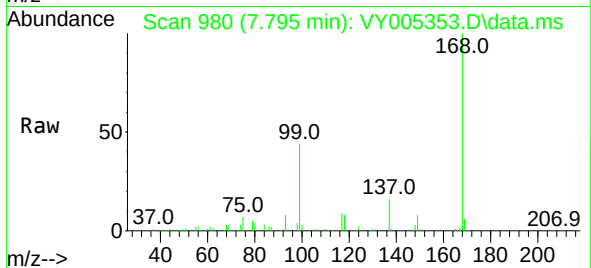
Quant Time: Jul 05 01:08:33 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062221S.M
Quant Title : SW846 8260
QLast Update : Wed Jun 23 07:57:52 2021
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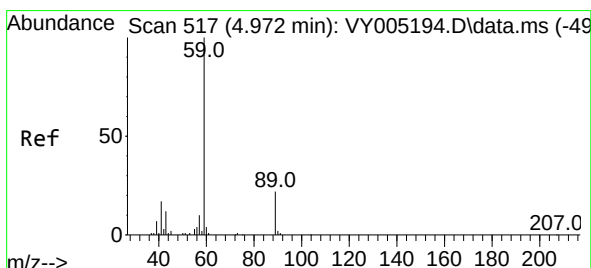
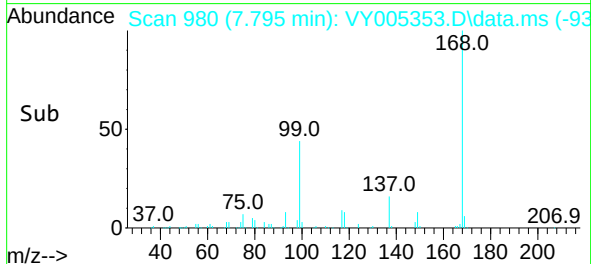
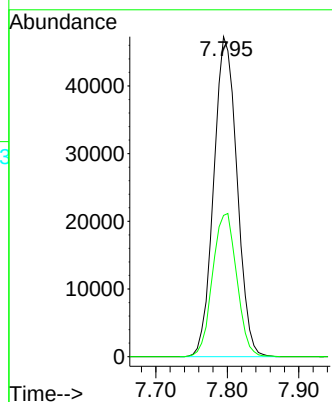


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.006 min
Lab File: VY005353.D
Acq: 02 Jul 2021 19:48

Instrument :
MSVOA_Y
ClientSampleId :
2

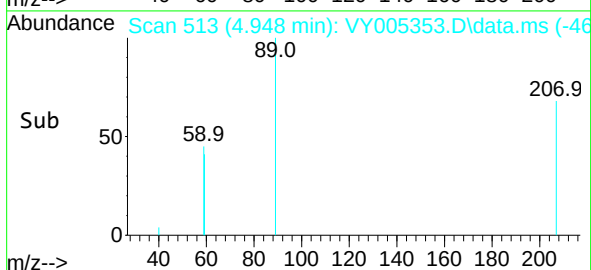
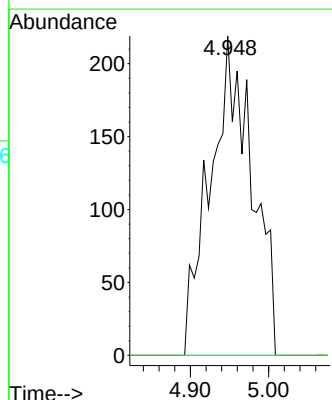
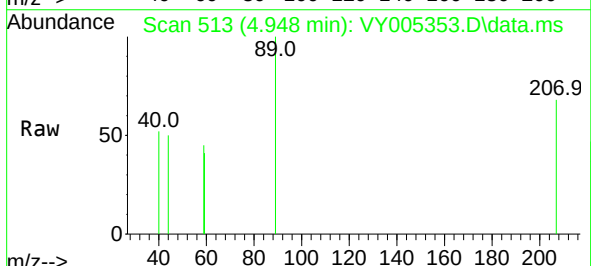


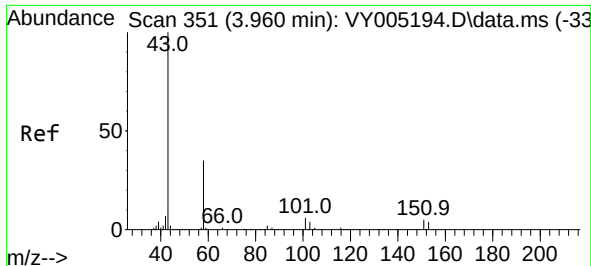
Tgt Ion:168 Resp: 106882
Ion Ratio Lower Upper
168 100
99 44.1 36.2 54.4



#11
Tert butyl alcohol
Concen: Below Cal
RT: 4.948 min Scan# 513
Delta R.T. -0.024 min
Lab File: VY005353.D
Acq: 02 Jul 2021 19:48

Tgt Ion: 59 Resp: 812
Ion Ratio Lower Upper
59 100
57 0.0 6.5 9.7#

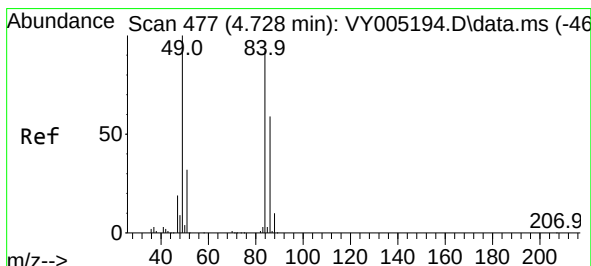
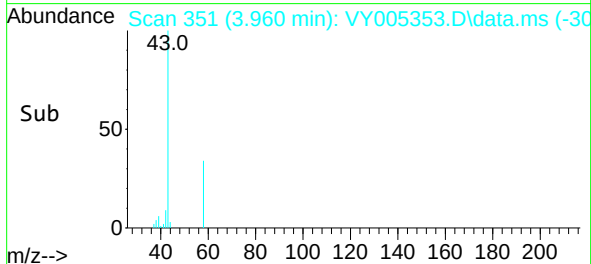
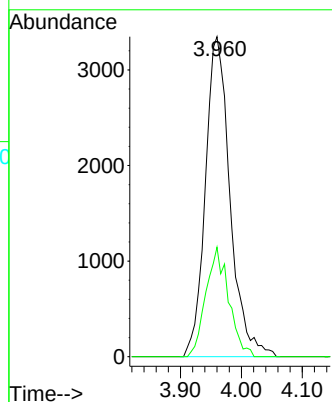
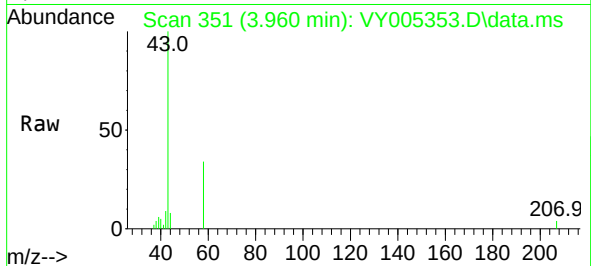




#16
Acetone
Concen: 45.969 ug/l
RT: 3.960 min Scan# 351
Delta R.T. -0.000 min
Lab File: VY005353.D
Acq: 02 Jul 2021 19:48

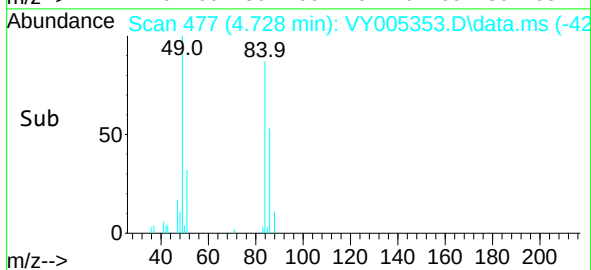
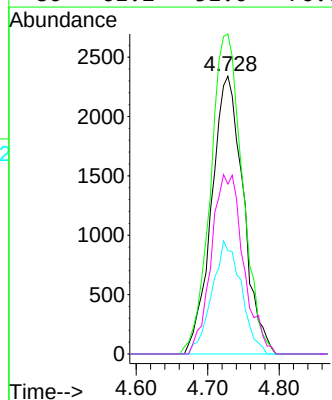
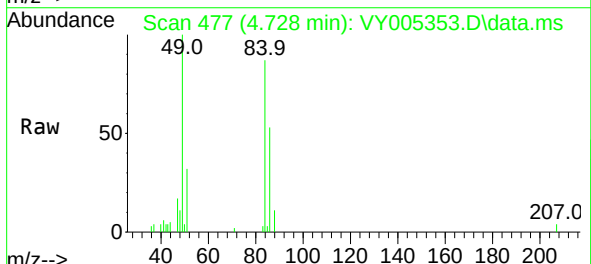
Instrument :
MSVOA_Y
ClientSampled :
2

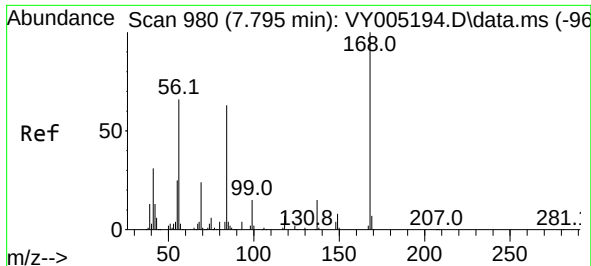
Tgt Ion: 43 Resp: 9419
Ion Ratio Lower Upper
43 100
58 34.2 28.2 42.2



#20
Methylene Chloride
Concen: Below Cal
RT: 4.728 min Scan# 477
Delta R.T. 0.000 min
Lab File: VY005353.D
Acq: 02 Jul 2021 19:48

Tgt Ion: 84 Resp: 7203
Ion Ratio Lower Upper
84 100
49 115.2 86.9 130.3
51 37.2 27.4 41.2
86 61.2 51.0 76.6

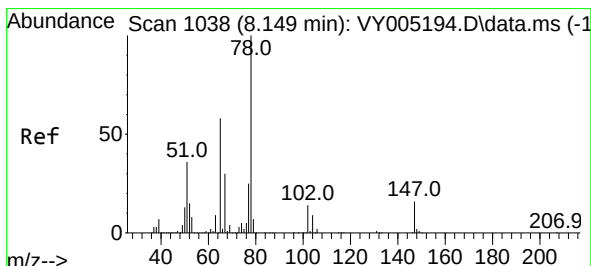
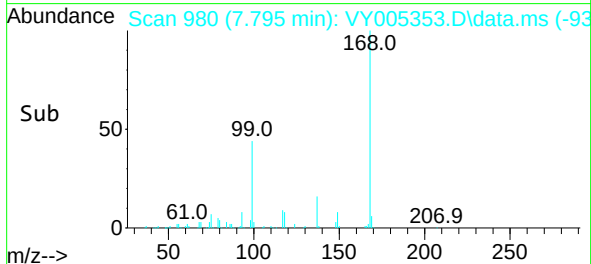
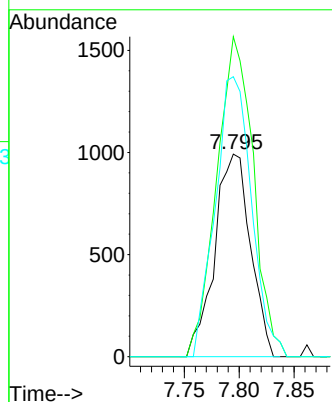
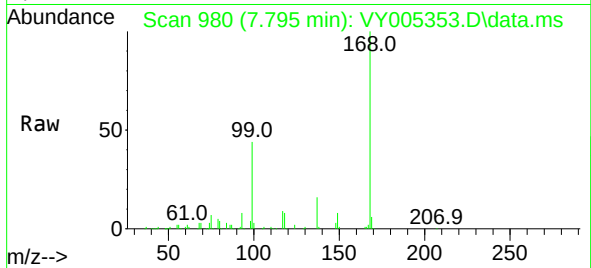




#31
Cyclohexane
Concen: 1.423 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.000 min
Lab File: VY005353.D
Acq: 02 Jul 2021 19:48

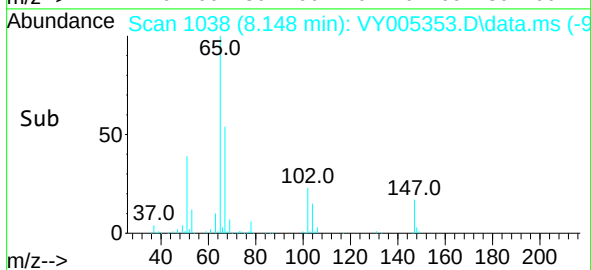
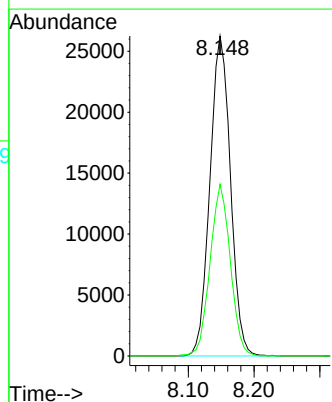
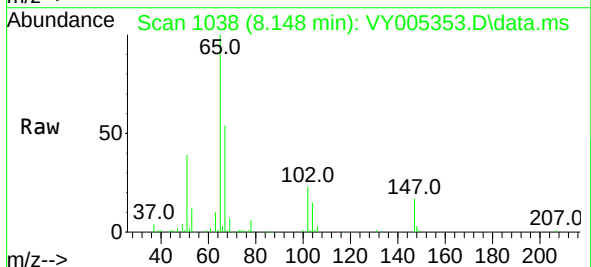
Instrument :
MSVOA_Y
ClientSampleId :
2

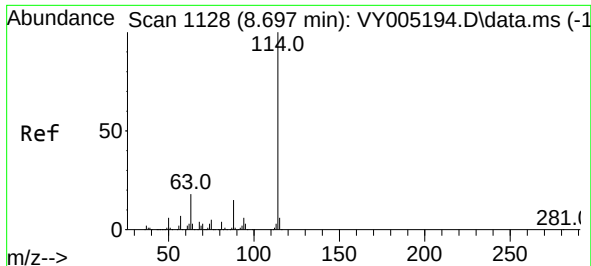
Tgt Ion: 56 Resp: 2253
Ion Ratio Lower Upper
56 100
69 158.0 29.6 44.4#
84 138.2 76.4 114.6#



#33
1,2-Dichloroethane-d4
Concen: 64.307 ug/l
RT: 8.148 min Scan# 1038
Delta R.T. -0.000 min
Lab File: VY005353.D
Acq: 02 Jul 2021 19:48

Tgt Ion: 65 Resp: 57038
Ion Ratio Lower Upper
65 100
67 53.0 0.0 110.6

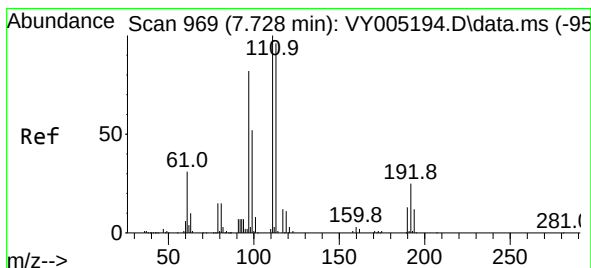
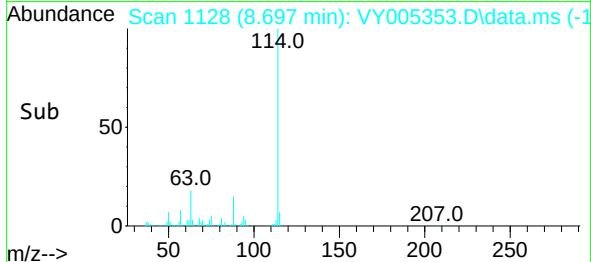
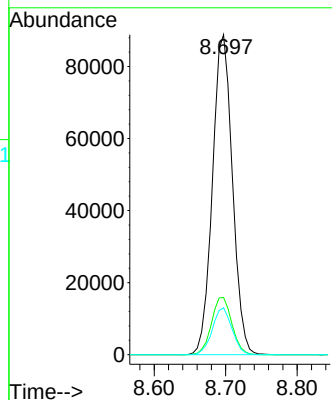
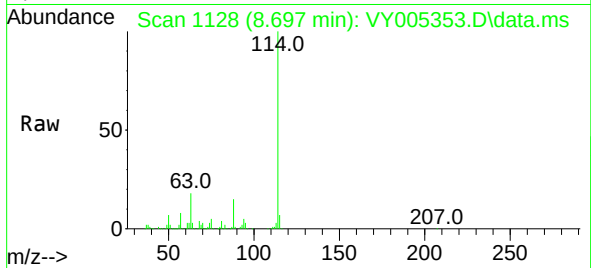




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.697 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VY005353.D
Acq: 02 Jul 2021 19:48

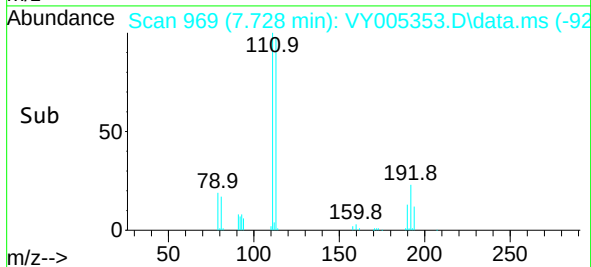
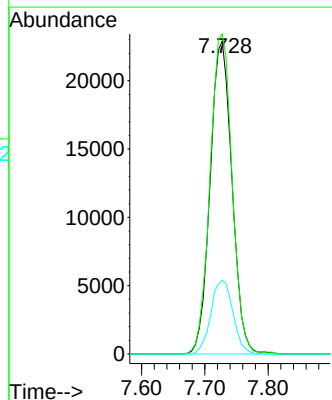
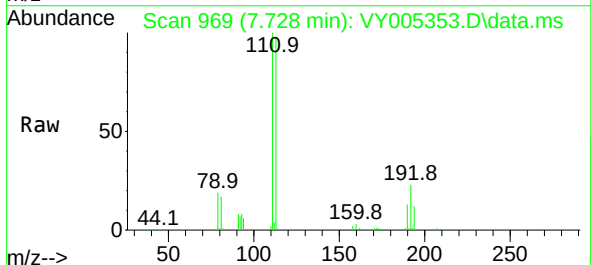
Instrument :
MSVOA_Y
ClientSampled :
2

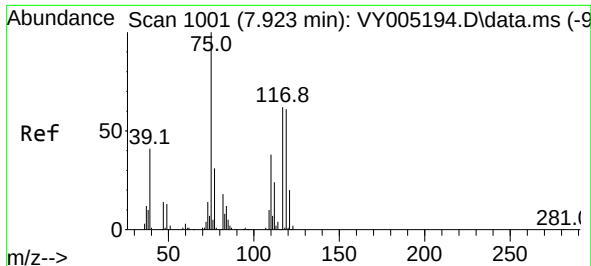
Tgt Ion:114 Resp: 172212
Ion Ratio Lower Upper
114 100
63 17.9 0.0 35.2
88 14.6 0.0 29.4



#35
Dibromofluoromethane
Concen: 54.020 ug/l
RT: 7.728 min Scan# 969
Delta R.T. -0.000 min
Lab File: VY005353.D
Acq: 02 Jul 2021 19:48

Tgt Ion:113 Resp: 54864
Ion Ratio Lower Upper
113 100
111 103.5 82.6 124.0
192 23.8 20.2 30.2

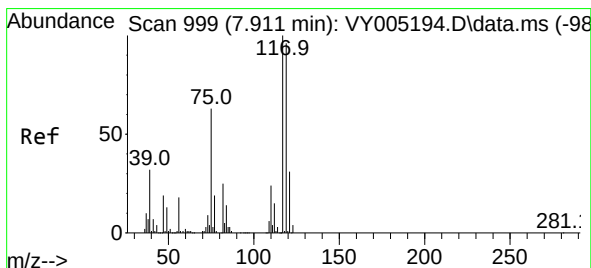
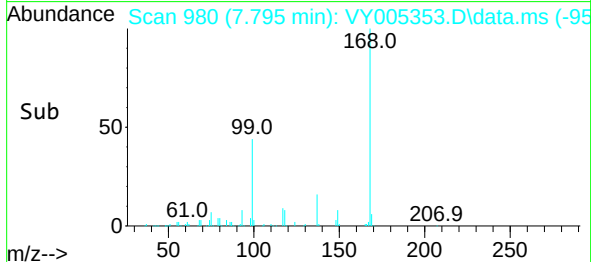
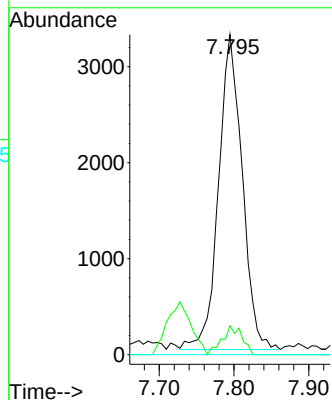
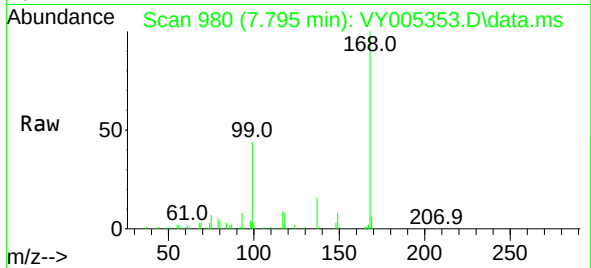




#36
1,1-Dichloropropene
Concen: 4.781 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.128 min
Lab File: VY005353.D
Acq: 02 Jul 2021 19:48

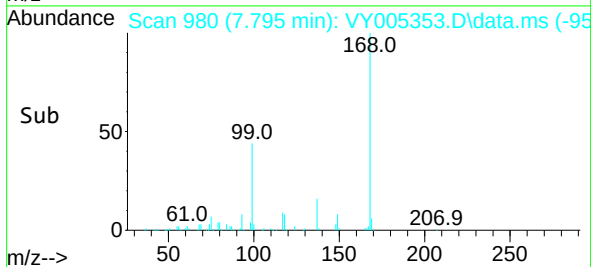
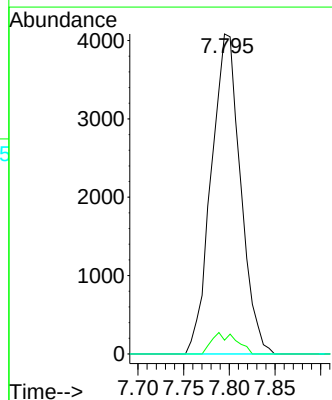
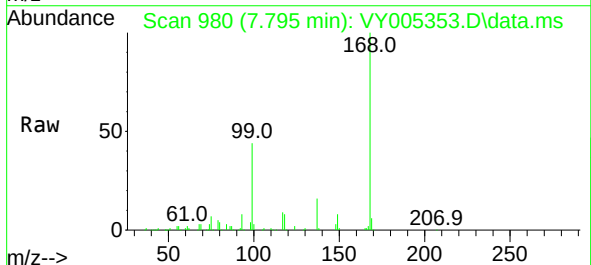
Instrument :
MSVOA_Y
ClientSampled :
2

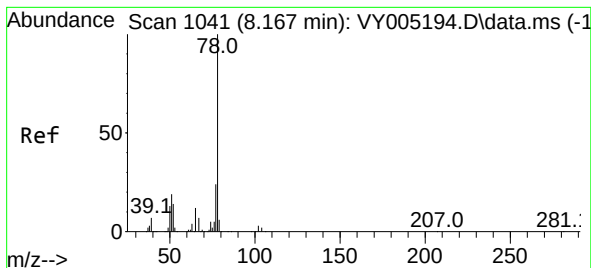
Tgt Ion: 75 Resp: 7250
Ion Ratio Lower Upper
75 100
110 7.6 19.1 57.5#
77 0.0 25.2 37.8#



#38
Carbon Tetrachloride
Concen: 5.729 ug/l
RT: 7.795 min Scan# 980
Delta R.T. -0.116 min
Lab File: VY005353.D
Acq: 02 Jul 2021 19:48

Tgt Ion: 117 Resp: 9094
Ion Ratio Lower Upper
117 100
119 4.3 76.2 114.4#
121 0.0 24.7 37.1#





#40

Benzene

Concen: 1.761 ug/l

RT: 8.167 min Scan# 1041

Delta R.T. -0.000 min

Lab File: VY005353.D

Acq: 02 Jul 2021 19:48

Instrument :

MSVOA_Y

ClientSampled :

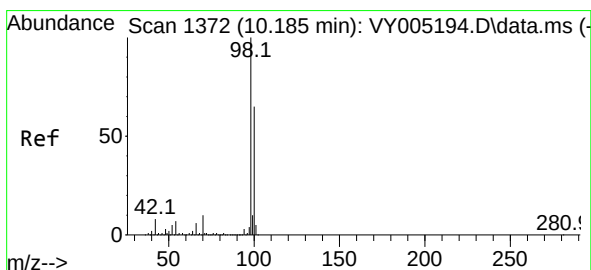
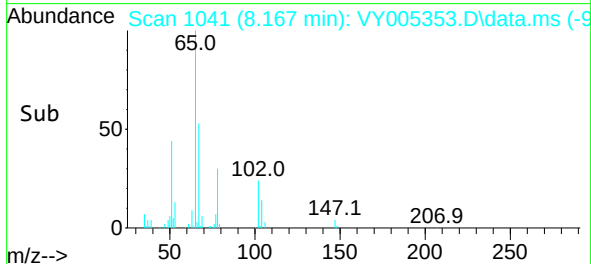
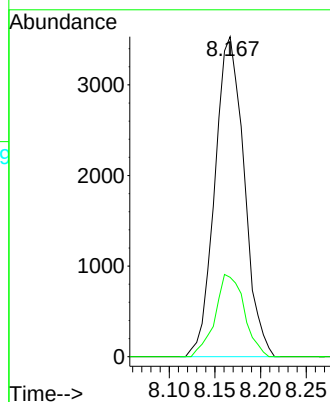
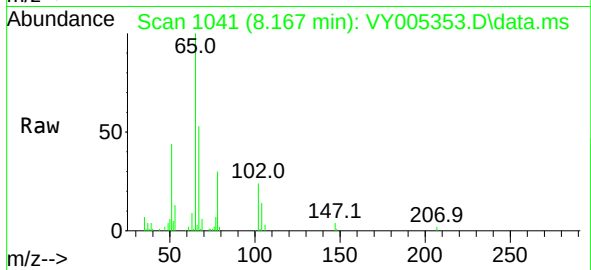
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Tgt Ion: 78 Resp: 7874

Ion Ratio Lower Upper

78 100

77 24.8 19.1 28.7



#50

Toluene-d8

Concen: 51.975 ug/l

RT: 10.184 min Scan# 1372

Delta R.T. -0.000 min

Lab File: VY005353.D

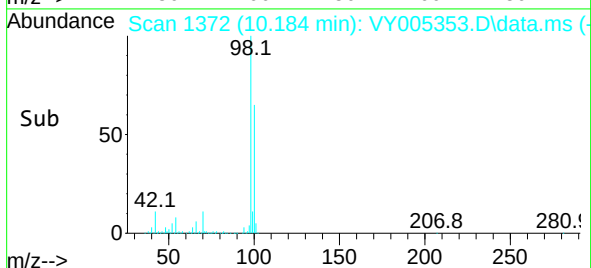
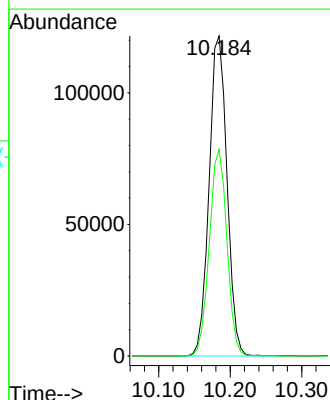
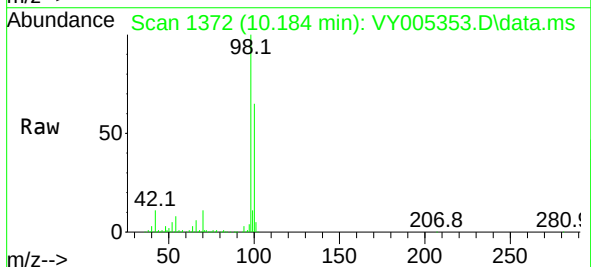
Acq: 02 Jul 2021 19:48

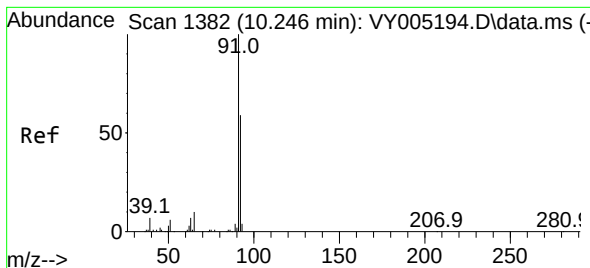
Tgt Ion: 98 Resp: 211102

Ion Ratio Lower Upper

98 100

100 63.6 51.9 77.9

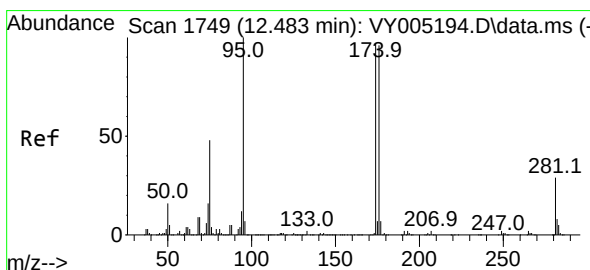
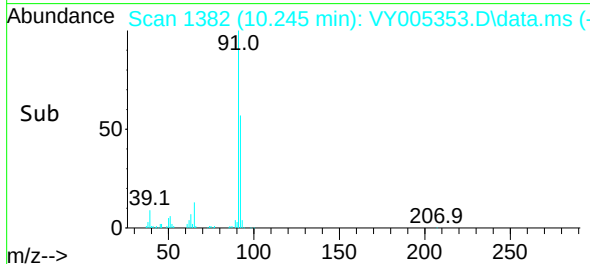
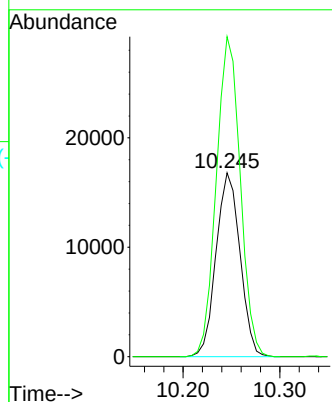
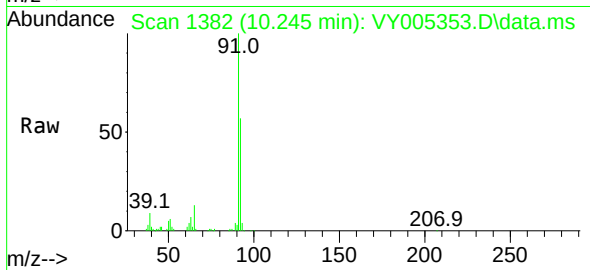




#52
Toluene
Concen: 10.094 ug/l
RT: 10.245 min Scan# 1382
Delta R.T. -0.000 min
Lab File: VY005353.D
Acq: 02 Jul 2021 19:48

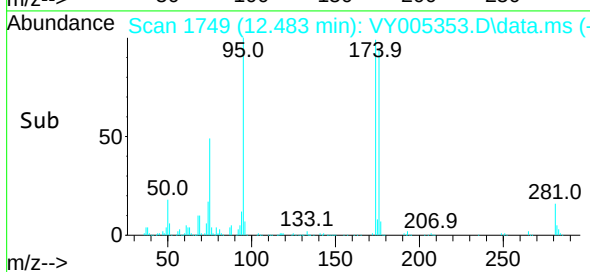
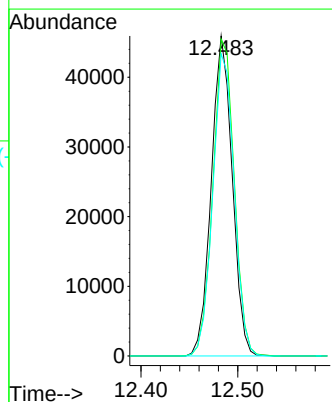
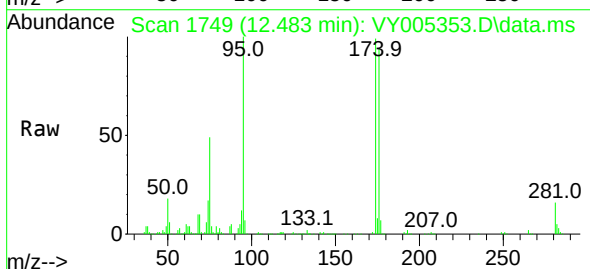
Instrument :
MSVOA_Y
ClientSampled :
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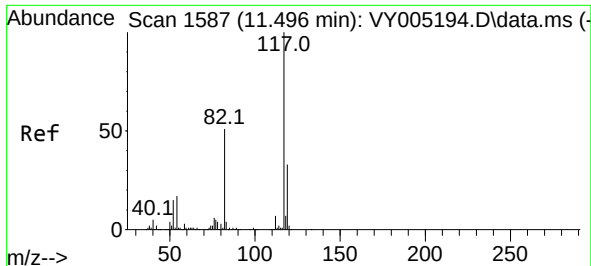
Tgt Ion: 92 Resp: 28850
Ion Ratio Lower Upper
92 100
91 174.2 138.3 207.5



#62
4-Bromofluorobenzene
Concen: 51.068 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY005353.D
Acq: 02 Jul 2021 19:48

Tgt Ion: 95 Resp: 69117
Ion Ratio Lower Upper
95 100
174 100.9 0.0 201.6
176 96.3 0.0 197.4

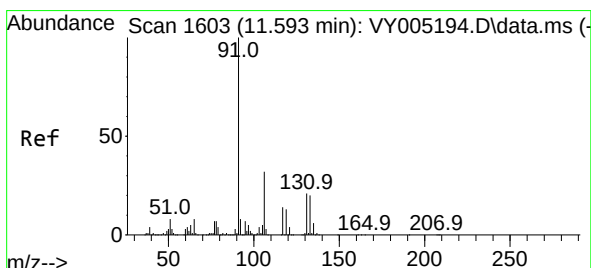
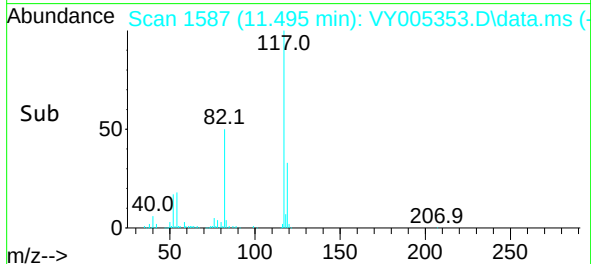
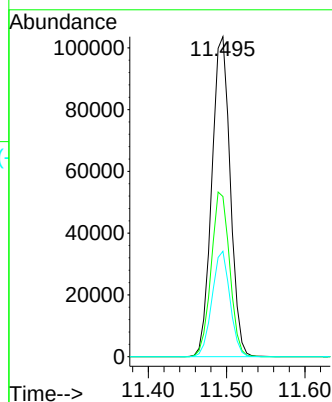
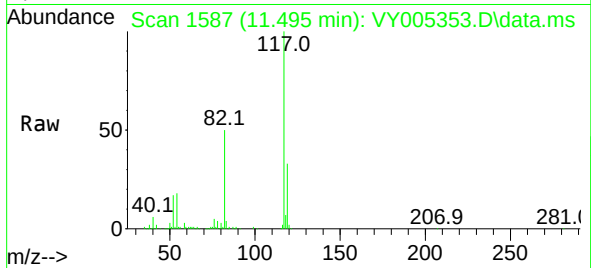




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.495 min Scan# 1587
Delta R.T. -0.000 min
Lab File: VY005353.D
Acq: 02 Jul 2021 19:48

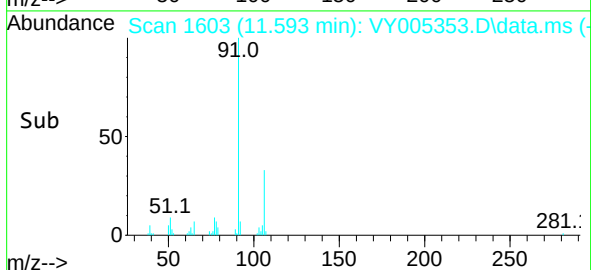
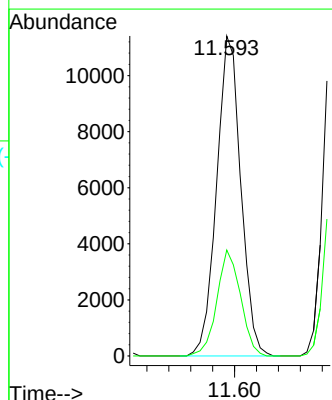
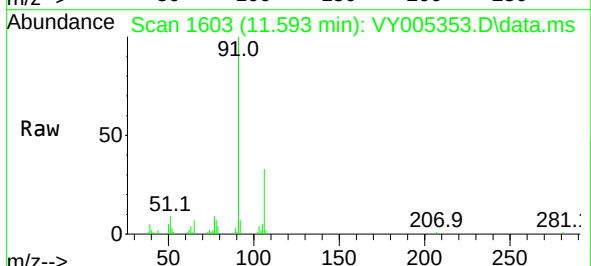
Instrument :
MSVOA_Y
ClientSampled :
2

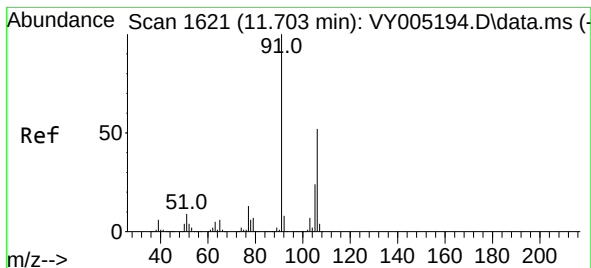
Tgt Ion:117 Resp: 169173
Ion Ratio Lower Upper
117 100
82 50.1 40.6 60.8
119 33.0 26.1 39.1



#67
Ethyl Benzene
Concen: 3.025 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. -0.000 min
Lab File: VY005353.D
Acq: 02 Jul 2021 19:48

Tgt Ion: 91 Resp: 17493
Ion Ratio Lower Upper
91 100
106 33.1 25.8 38.6

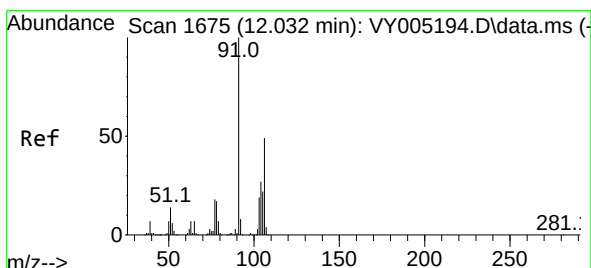
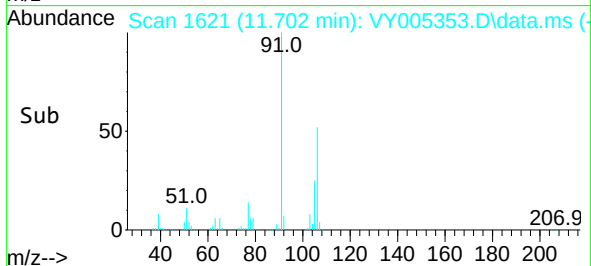
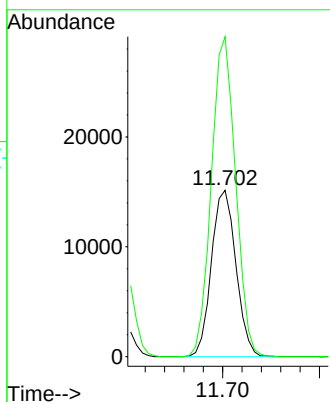
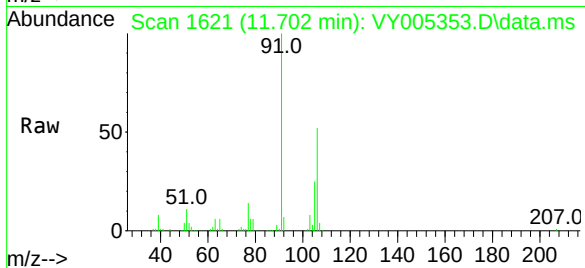




#68
m/p-Xylenes
Concen: 11.489 ug/l
RT: 11.702 min Scan# 1621
Delta R.T. -0.000 min
Lab File: VY005353.D
Acq: 02 Jul 2021 19:48

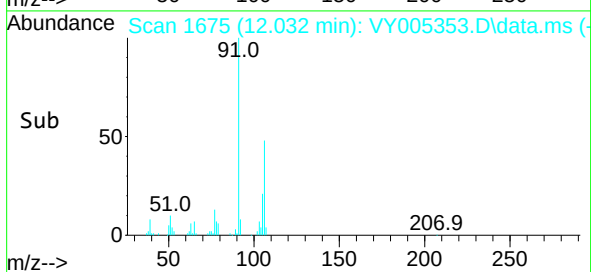
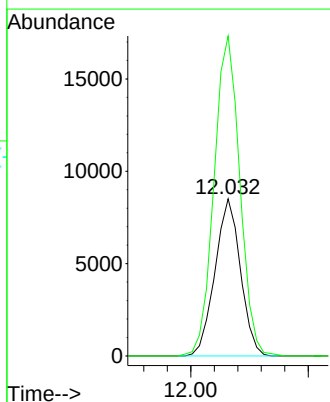
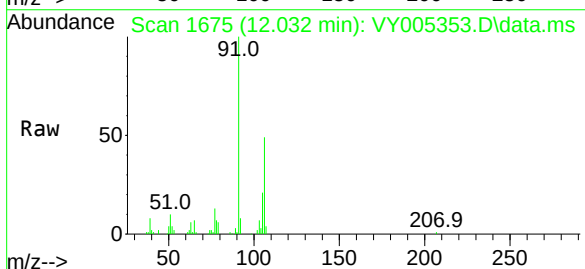
Instrument :
MSVOA_Y
ClientSampled :
2

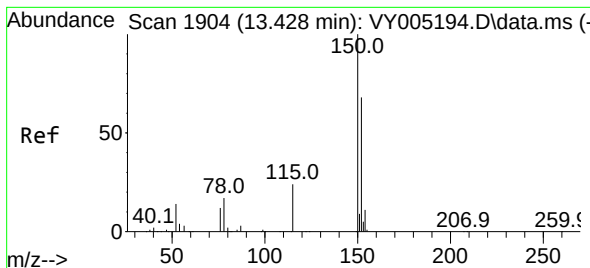
Tgt Ion:106 Resp: 26615
Ion Ratio Lower Upper
106 100
91 190.4 154.8 232.2



#69
o-Xylene
Concen: 5.846 ug/l
RT: 12.032 min Scan# 1675
Delta R.T. -0.000 min
Lab File: VY005353.D
Acq: 02 Jul 2021 19:48

Tgt Ion:106 Resp: 12823
Ion Ratio Lower Upper
106 100
91 205.9 101.6 304.8

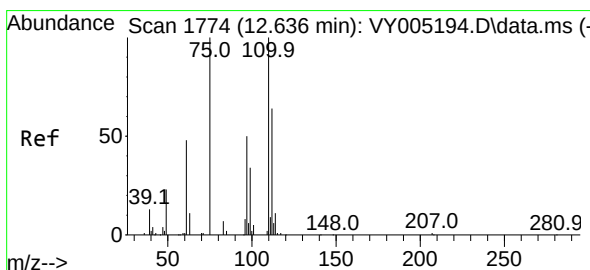
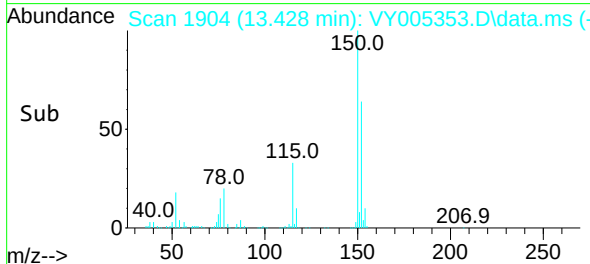
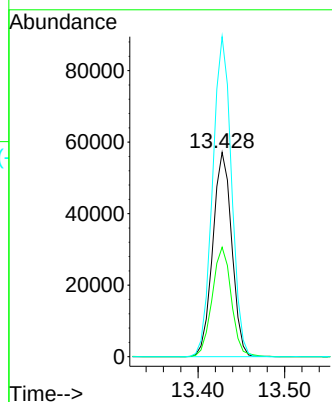
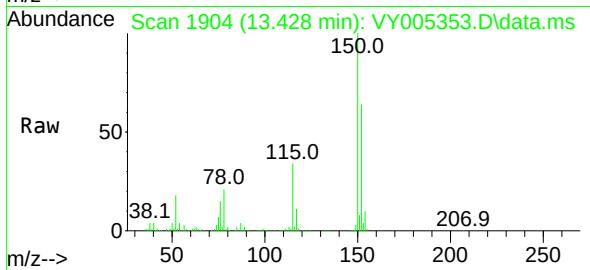




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. -0.000 min
 Lab File: VY005353.D
 Acq: 02 Jul 2021 19:48

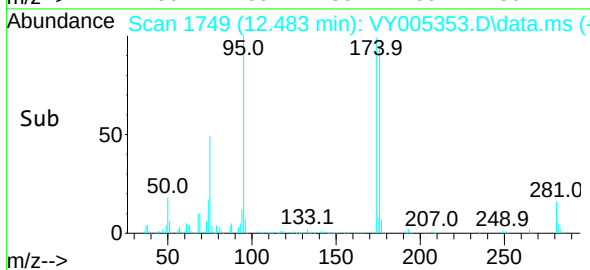
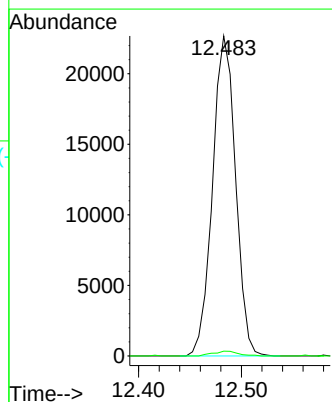
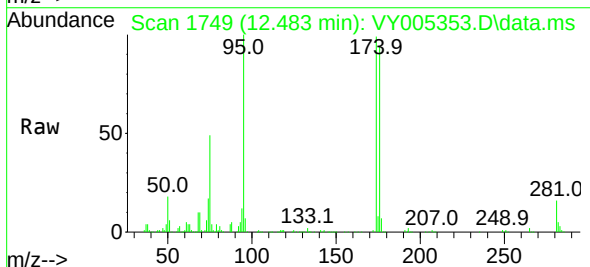
Instrument :
 MSVOA_Y
 ClientSampleId :
 2

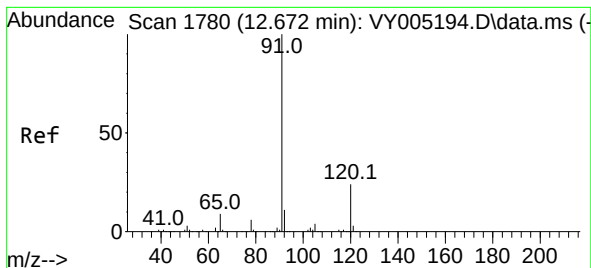
Tgt Ion:152 Resp: 87033
 Ion Ratio Lower Upper
 152 100
 115 54.1 26.3 78.8
 150 155.8 0.0 344.2



#76
 1,2,3-Trichloropropane
 Concen: 45.638 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.153 min
 Lab File: VY005353.D
 Acq: 02 Jul 2021 19:48

Tgt Ion: 75 Resp: 35227
 Ion Ratio Lower Upper
 75 100
 77 1.7 0.0 0.0#

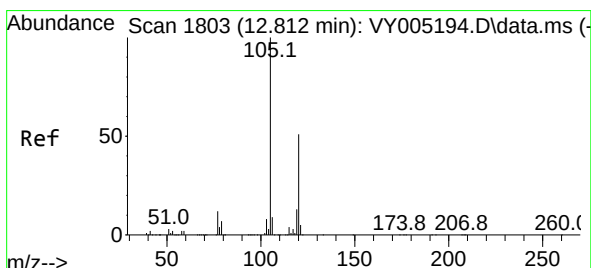
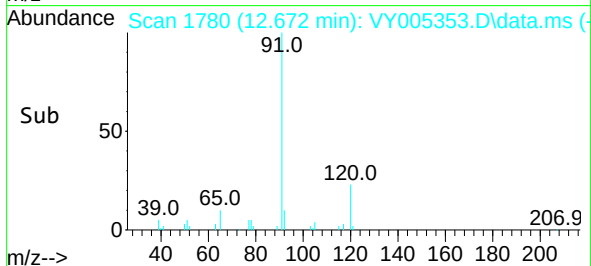
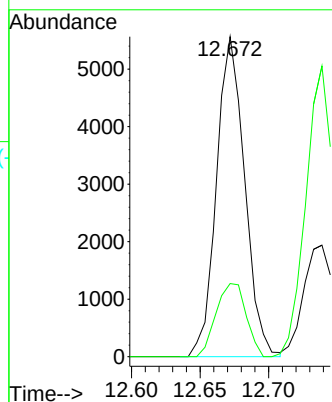
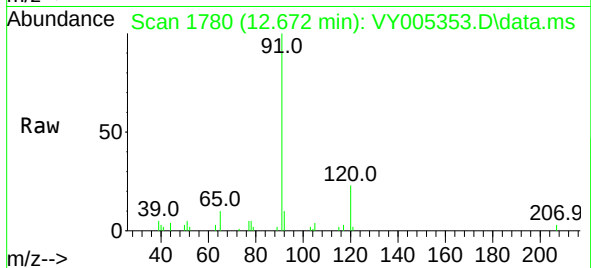




#78
n-propylbenzene
Concen: 1.195 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. -0.000 min
Lab File: VY005353.D
Acq: 02 Jul 2021 19:48

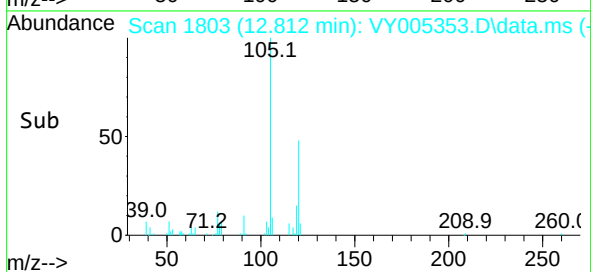
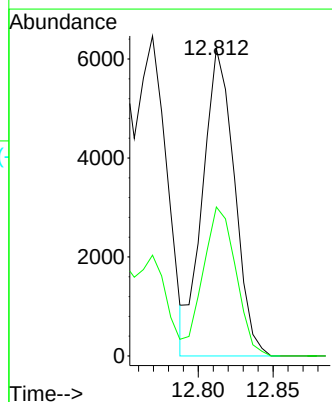
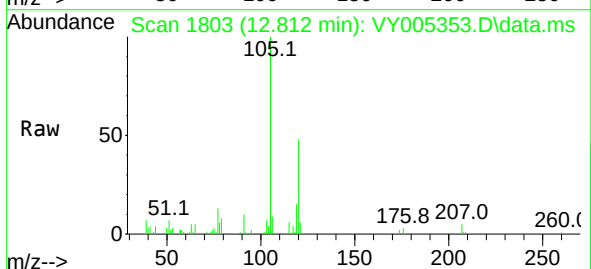
Instrument :
MSVOA_Y
ClientSampled :
2

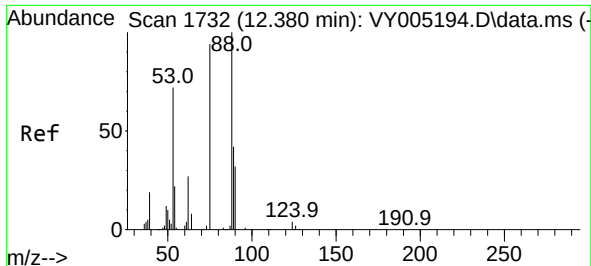
Tgt Ion: 91 Resp: 7957
Ion Ratio Lower Upper
91 100
120 24.3 12.4 37.0



#80
1,3,5-Trimethylbenzene
Concen: 1.958 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. -0.000 min
Lab File: VY005353.D
Acq: 02 Jul 2021 19:48

Tgt Ion: 105 Resp: 9145
Ion Ratio Lower Upper
105 100
120 50.4 25.9 77.7

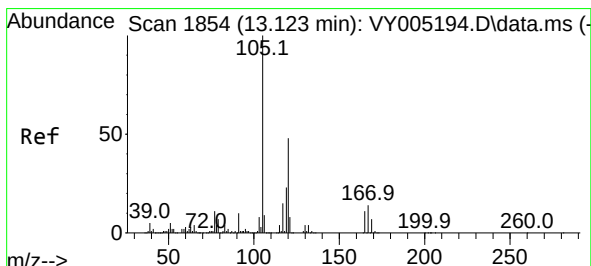
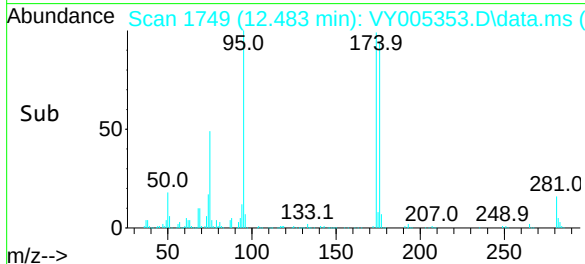
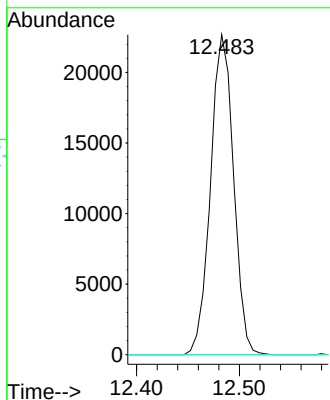
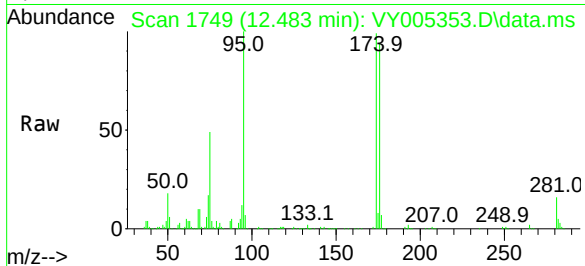




#81
trans-1,4-Dichloro-2-butene
Concen: 85.149 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.103 min
Lab File: VY005353.D
Acq: 02 Jul 2021 19:48

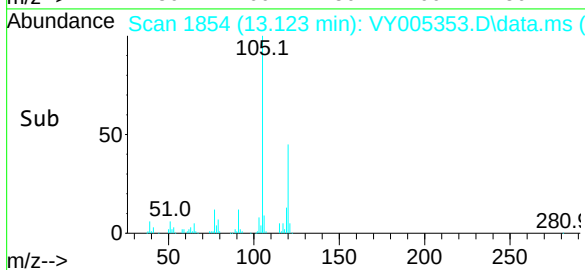
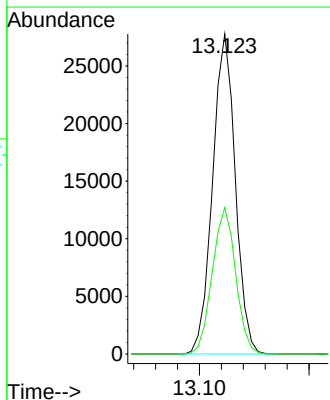
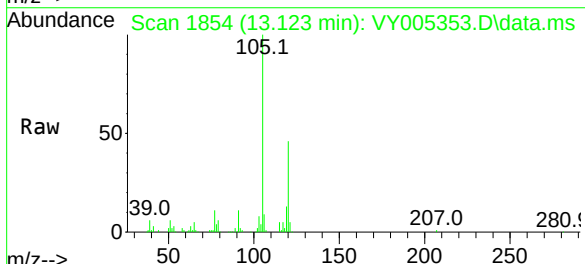
Instrument :
MSVOA_Y
ClientSampleId :
2

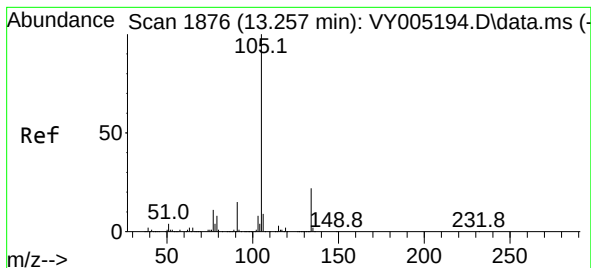
Tgt Ion: 75 Resp: 35227
Ion Ratio Lower Upper
75 100
53 0.0 63.0 94.4#
89 0.0 38.0 57.0#



#84
1,2,4-Trimethylbenzene
Concen: 8.655 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. -0.000 min
Lab File: VY005353.D
Acq: 02 Jul 2021 19:48

Tgt Ion: 105 Resp: 39960
Ion Ratio Lower Upper
105 100
120 47.0 23.6 71.0

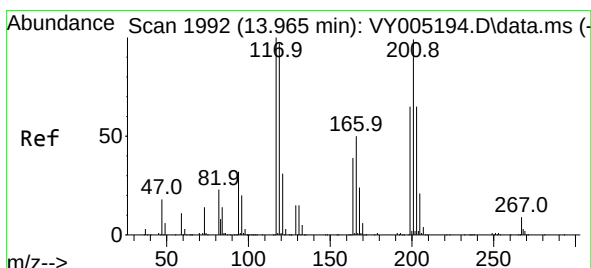
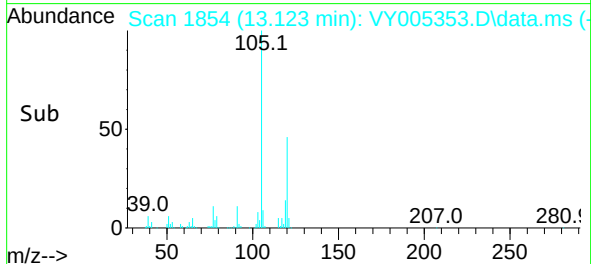
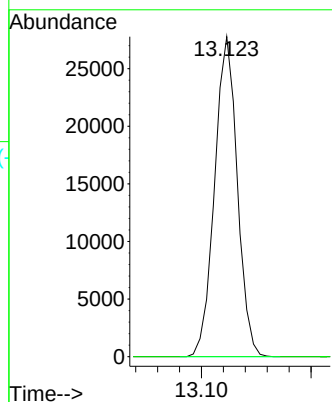
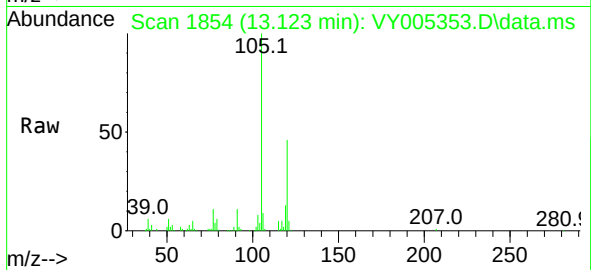




#85
 sec-Butylbenzene
 Concen: 6.598 ug/l
 RT: 13.123 min Scan# 1854
 Delta R.T. -0.134 min
 Lab File: VY005353.D
 Acq: 02 Jul 2021 19:48

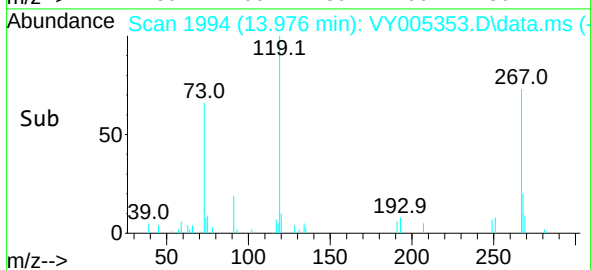
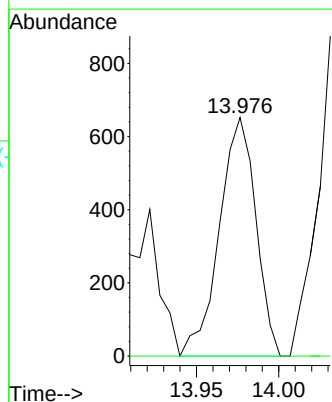
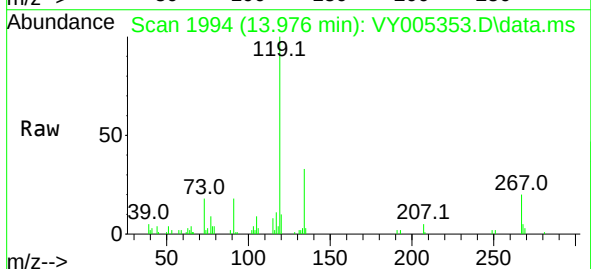
Instrument :
 MSVOA_Y
 ClientSampled :
 2

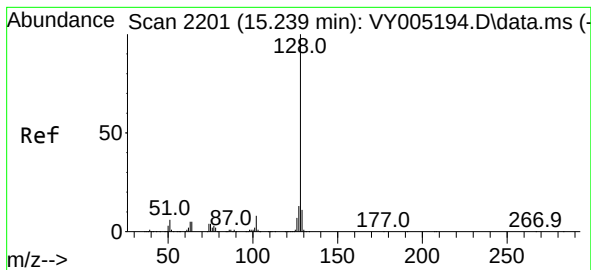
Tgt Ion:105 Resp: 39960
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.9 32.6#



#90
 Hexachloroethane
 Concen: 1.064 ug/l
 RT: 13.976 min Scan# 1994
 Delta R.T. 0.012 min
 Lab File: VY005353.D
 Acq: 02 Jul 2021 19:48

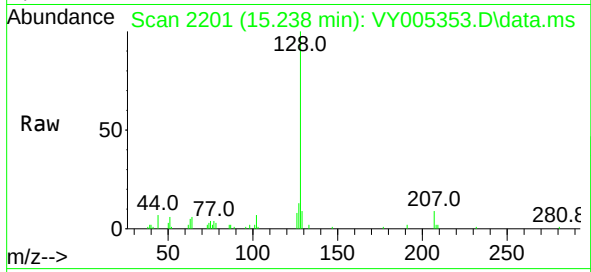
Tgt Ion:117 Resp: 1004
 Ion Ratio Lower Upper
 117 100
 201 0.0 49.4 148.2#





#95
Naphthalene
Concen: 3.574 ug/l
RT: 15.238 min Scan# 2201
Delta R.T. -0.000 min
Lab File: VY005353.D
Acq: 02 Jul 2021 19:48

Instrument :
MSVOA_Y
ClientSampleId :
2



Tgt Ion:128 Resp: 11788
Ion Ratio Lower Upper
128 100
127 12.5 10.2 15.4
129 10.8 8.7 13.1

