

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY101022\
 Data File : VY010903.D
 Acq On : 10 Oct 2022 20:07
 Operator : KP/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :

Quant Time: Oct 11 09:46:48 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100322S.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 04 07:26:22 2022
 Response via : Initial Calibration

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

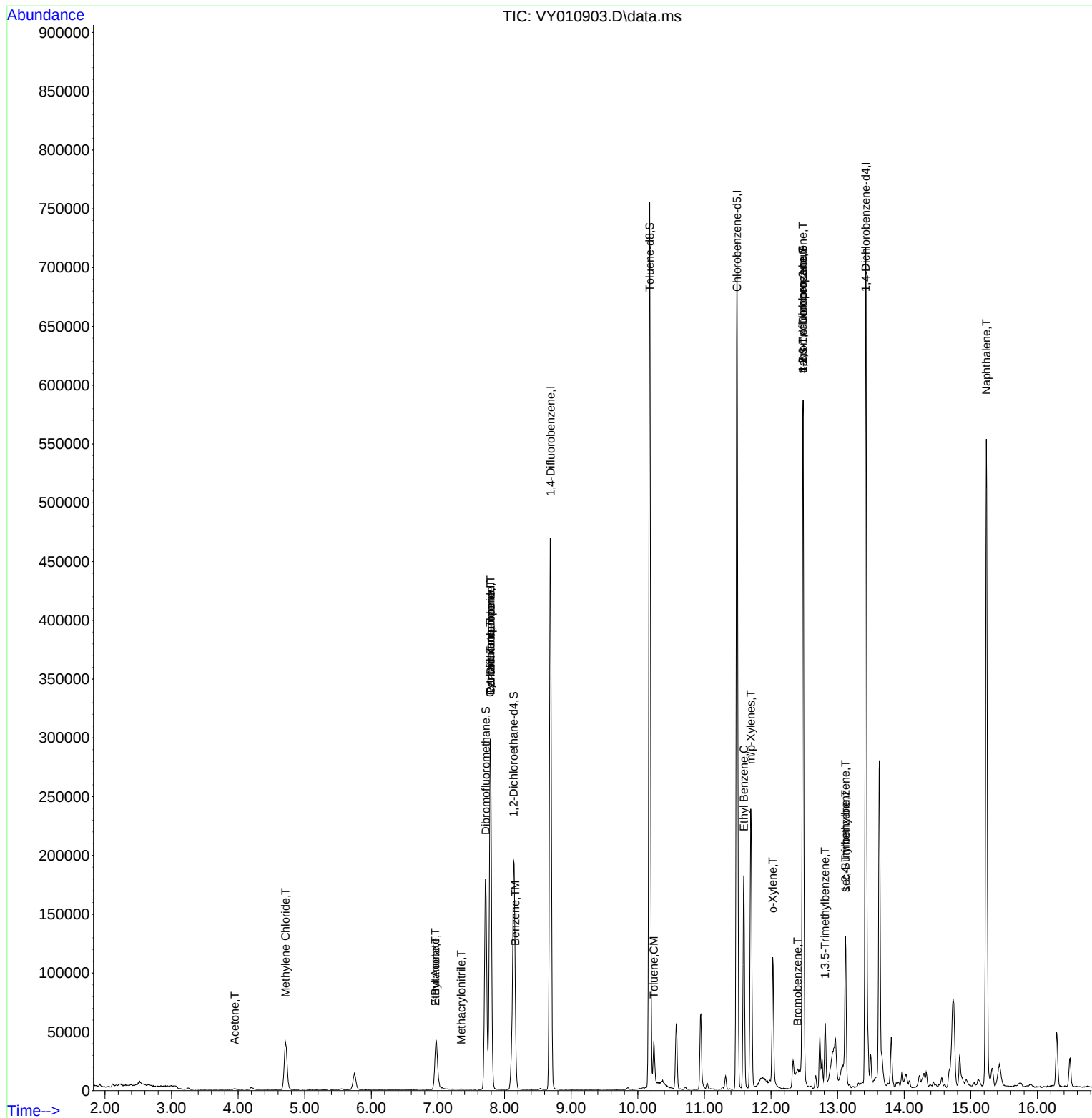
Internal Standards						
1) Pentafluorobenzene	7.789	168	241033	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	423236	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	397248	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	189204	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.137	65	136678	55.943	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 111.880%			
35) Dibromofluoromethane	7.716	113	129430	46.069	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 92.140%			
50) Toluene-d8	10.179	98	504841	52.543	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 105.080%			
62) 4-Bromofluorobenzene	12.477	95	181879	48.330	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 96.660%			
Target Compounds						Qvalue
11) Tert butyl alcohol	4.936	59	856	Below Cal	#	77
16) Acetone	3.948	43	1320	2.127	ug/l #	80
20) Methylene Chloride	4.710	84	32018	7.319	ug/l #	81
25) 2-Butanone	6.960	43	2116	2.372	ug/l #	54
31) Cyclohexane	7.783	56	4536	1.037	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	17961	4.429	ug/l #	50
37) Ethyl Acetate	6.960	43	2116	1.063	ug/l #	1
38) Carbon Tetrachloride	7.789	117	22887	5.418	ug/l #	16
40) Benzene	8.161	78	22431	1.920	ug/l	96
41) Methacrylonitrile	7.350	41	19	2.597	ug/l #	86
52) Toluene	10.240	92	13930	1.873	ug/l	98
67) Ethyl Benzene	11.593	91	124326	8.398	ug/l	96
68) m/p-Xylenes	11.697	106	74635	12.881	ug/l	95
69) o-Xylene	12.026	106	28303	5.225	ug/l	95
76) 1,2,3-Trichloropropane	12.477	75	91080	47.535	ug/l #	100
77) Bromobenzene	12.398	156	11382	3.567	ug/l #	1
80) 1,3,5-Trimethylbenzene	12.813	105	17423	1.481	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.477	75	91080	99.297	ug/l #	7
84) 1,2,4-Trimethylbenzene	13.117	105	64916	5.612	ug/l	96
85) sec-Butylbenzene	13.117	105	64916	4.300	ug/l #	56
95) Naphthalene	15.233	128	467768	74.101	ug/l	98

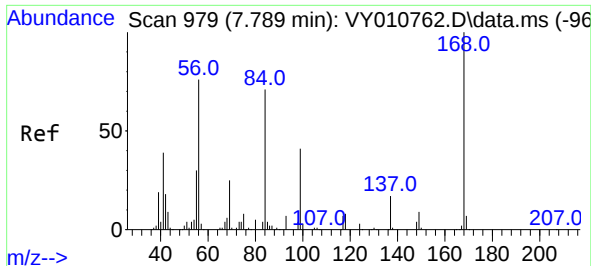
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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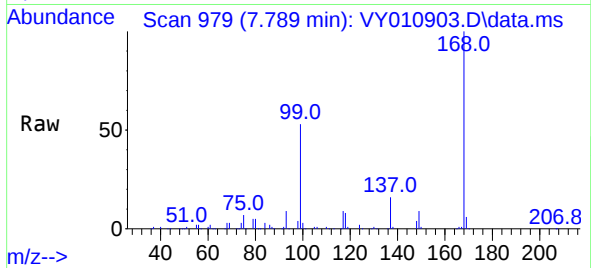
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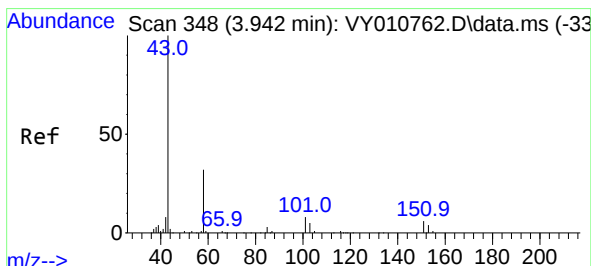
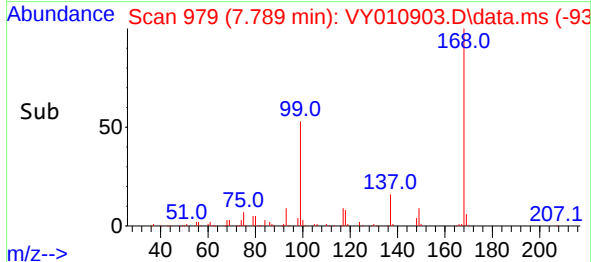
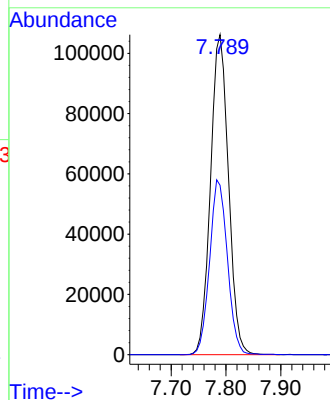


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY010903.D
Acq: 10 Oct 2022 20:07

Instrument :
MSVOA_Y
ClientSampleId :

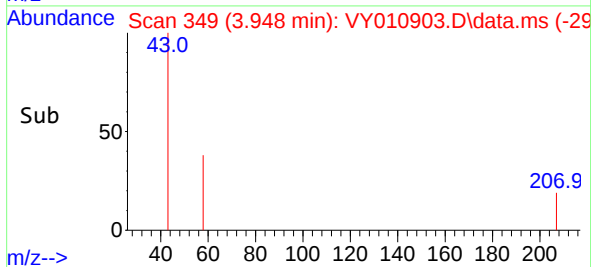
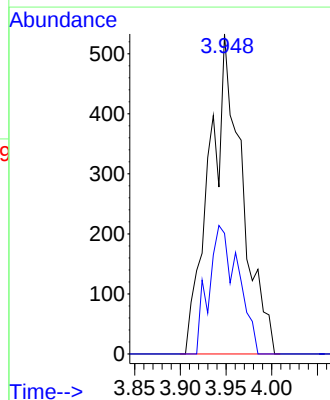
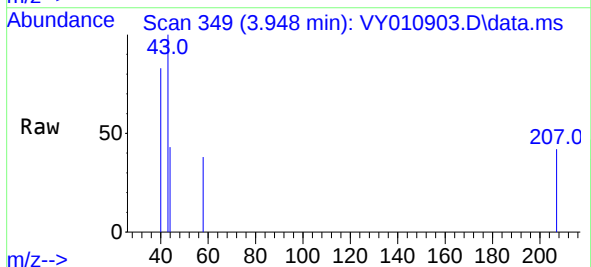


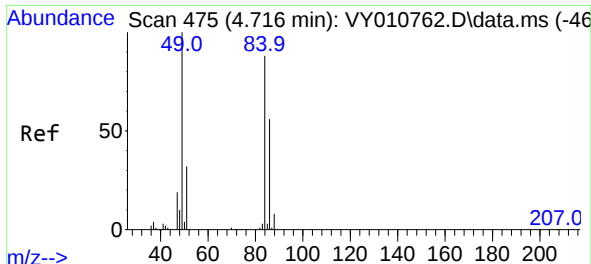
Tgt Ion:168 Resp: 241033
Ion Ratio Lower Upper
168 100
99 53.0 46.9 70.3



#16
Acetone
Concen: 2.127 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY010903.D
Acq: 10 Oct 2022 20:07

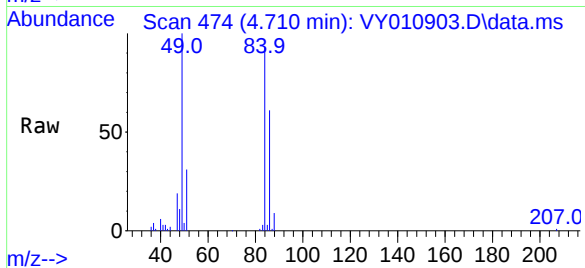
Tgt Ion: 43 Resp: 1320
Ion Ratio Lower Upper
43 100
58 37.7 22.0 33.0#





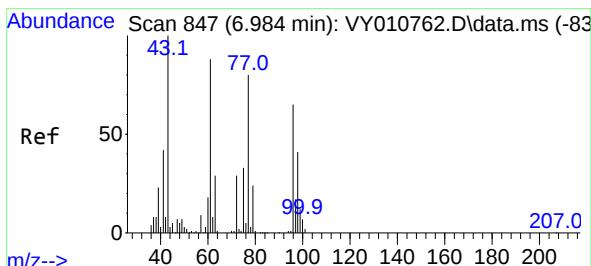
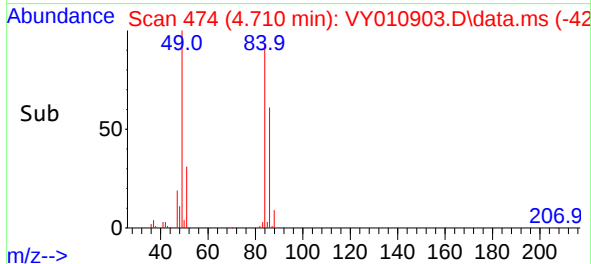
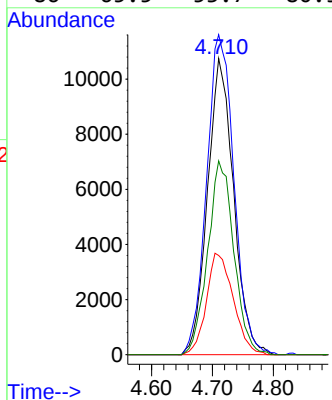
#20
Methylene Chloride
Concen: 7.319 ug/l
RT: 4.710 min Scan# 41
Delta R.T. -0.006 min
Lab File: VY010903.D
Acq: 10 Oct 2022 20:07

Instrument :
MSVOA_Y
ClientSampleId :



Tgt Ion: 84 Resp: 32018

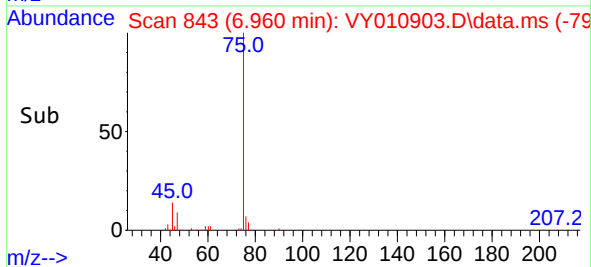
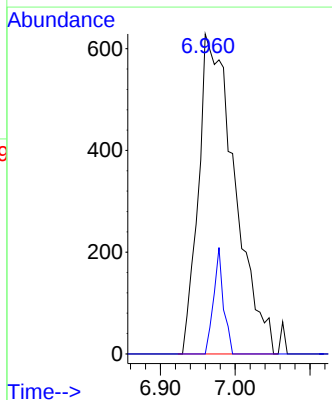
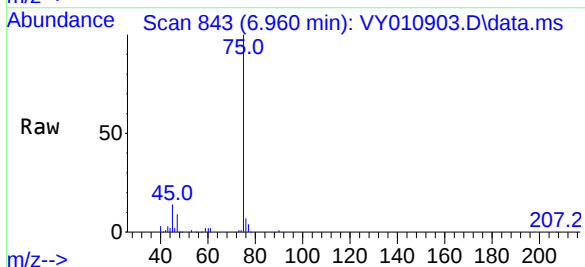
Ion	Ratio	Lower	Upper
84	100		
49	108.1	114.4	171.6#
51	33.5	35.3	52.9#
86	65.5	53.7	80.5

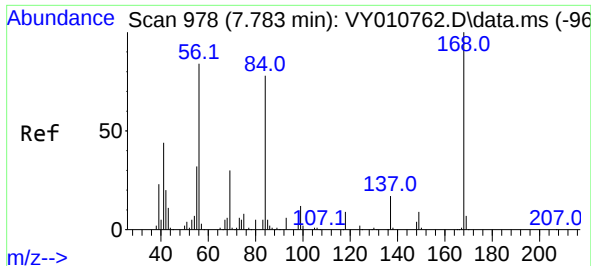


#25
2-Butanone
Concen: 2.372 ug/l
RT: 6.960 min Scan# 843
Delta R.T. -0.024 min
Lab File: VY010903.D
Acq: 10 Oct 2022 20:07

Tgt Ion: 43 Resp: 2116

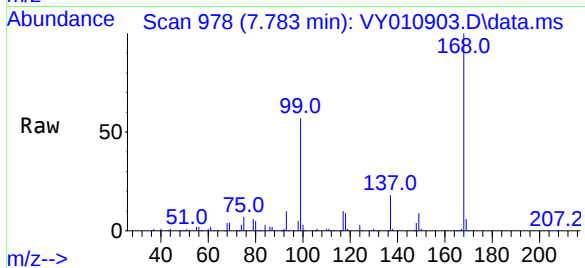
Ion	Ratio	Lower	Upper
43	100		
72	0.0	17.7	26.5#



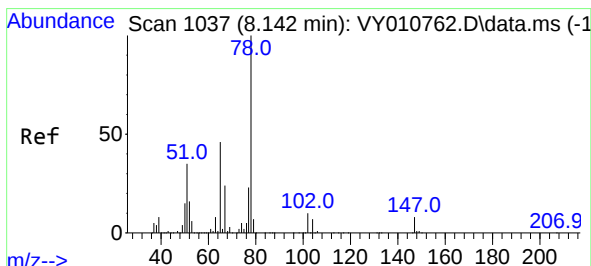
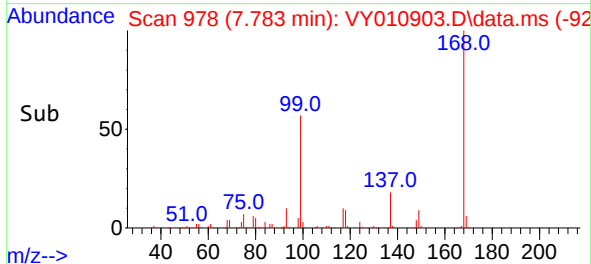
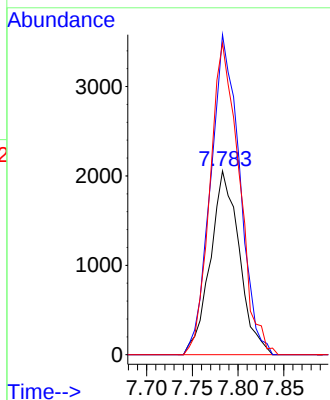


#31
Cyclohexane
Concen: 1.037 ug/l
RT: 7.783 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY010903.D
Acq: 10 Oct 2022 20:07

Instrument :
MSVOA_Y
ClientSampleId :

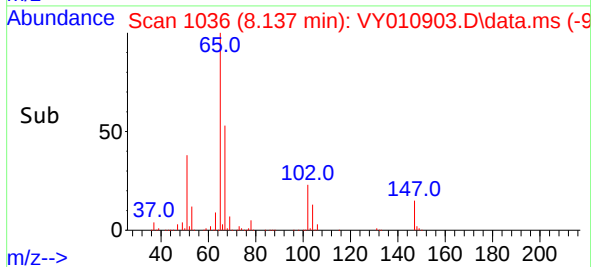
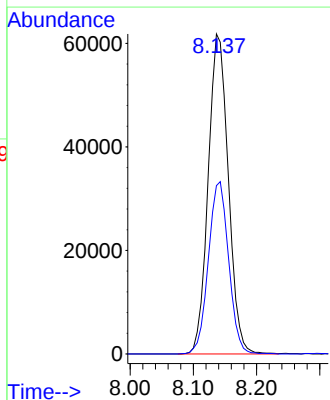
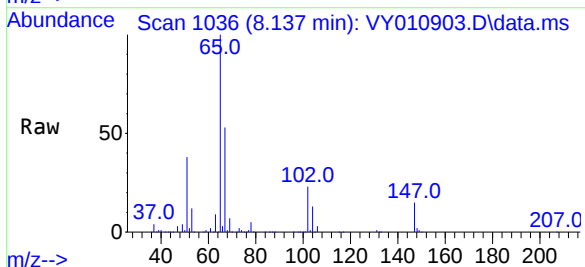


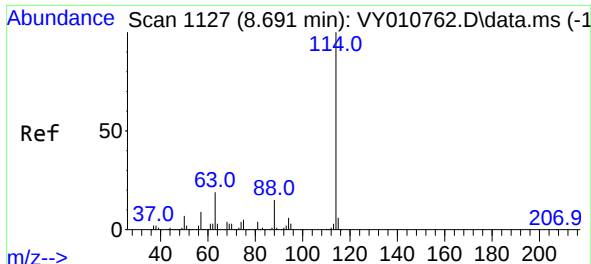
Tgt Ion: 56 Resp: 4536
Ion Ratio Lower Upper
56 100
69 174.1 26.7 40.1#
84 169.6 67.2 100.8#



#33
1,2-Dichloroethane-d4
Concen: 55.943 ug/l
RT: 8.137 min Scan# 1036
Delta R.T. -0.005 min
Lab File: VY010903.D
Acq: 10 Oct 2022 20:07

Tgt Ion: 65 Resp: 136678
Ion Ratio Lower Upper
65 100
67 54.2 0.0 99.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY010903.D

Acq: 10 Oct 2022 20:07

Instrument :

MSVOA_Y

ClientSampleId :

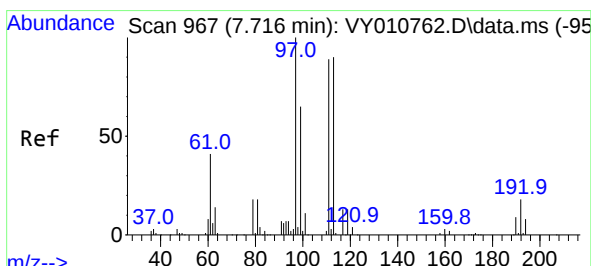
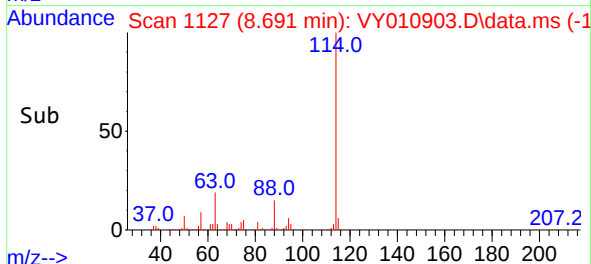
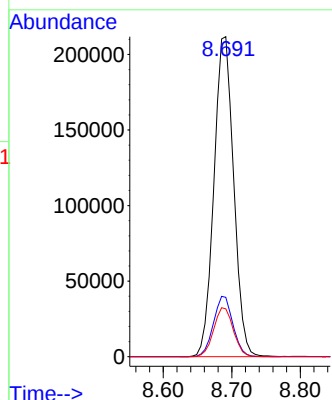
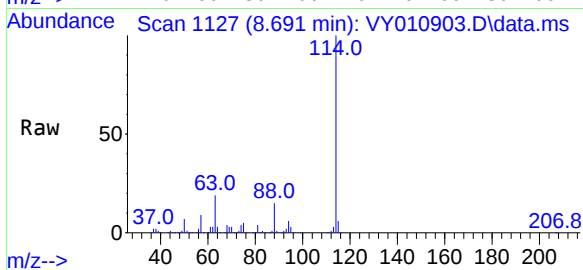
Tgt Ion:114 Resp: 423236

Ion Ratio Lower Upper

114 100

63 18.6 0.0 43.2

88 15.0 0.0 31.8



#35

Dibromofluoromethane

Concen: 46.069 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY010903.D

Acq: 10 Oct 2022 20:07

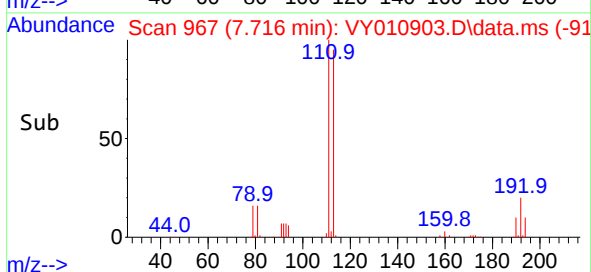
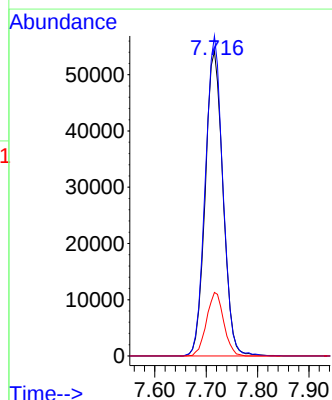
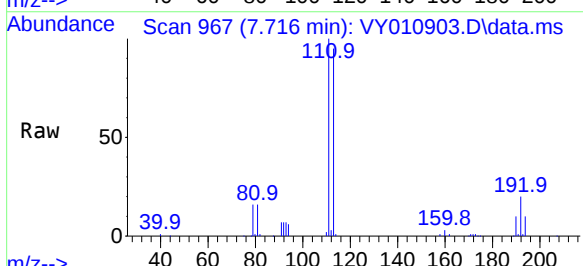
Tgt Ion:113 Resp: 129430

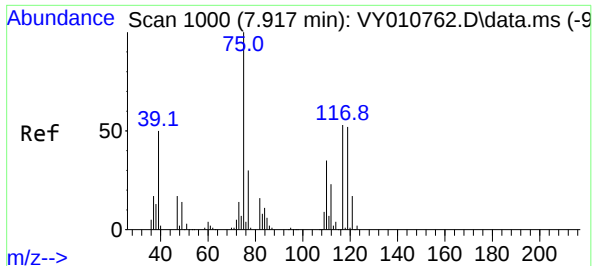
Ion Ratio Lower Upper

113 100

111 103.6 82.6 124.0

192 20.3 17.6 26.4

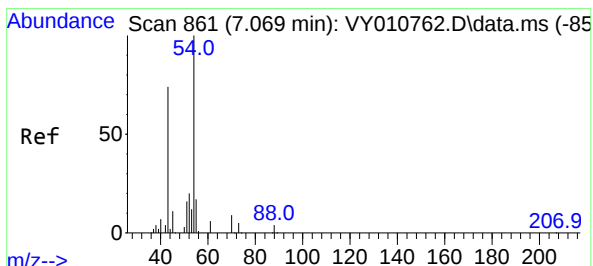
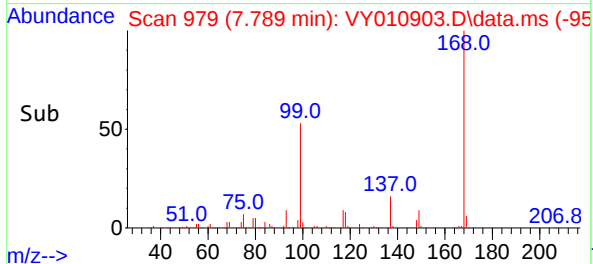
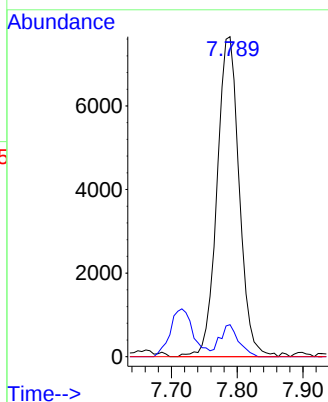
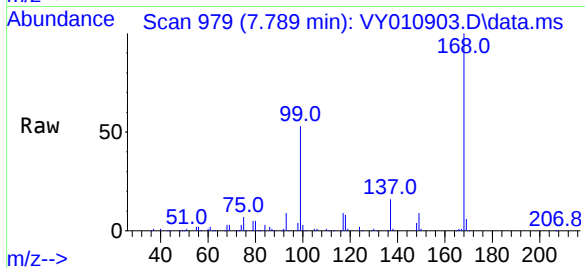




#36
1,1-Dichloropropene
Concen: 4.429 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.128 min
Lab File: VY010903.D
Acq: 10 Oct 2022 20:07

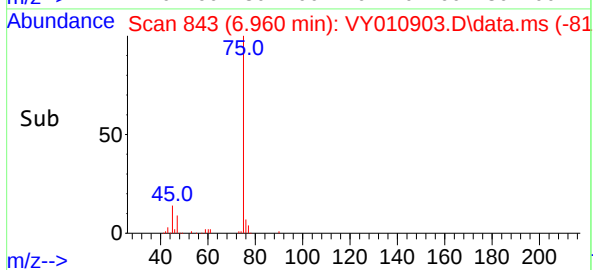
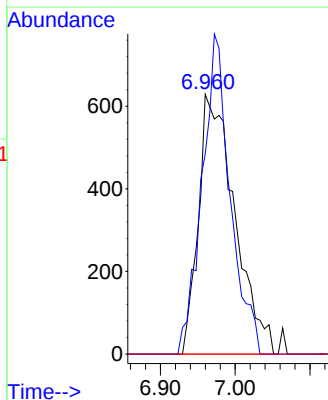
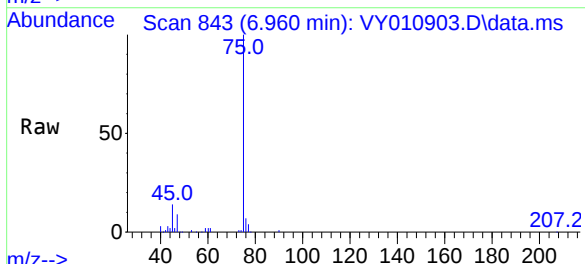
Instrument :
MSVOA_Y
ClientSampleId :

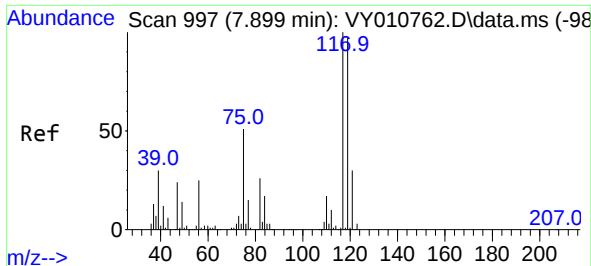
Tgt Ion: 75 Resp: 17961
Ion Ratio Lower Upper
75 100
110 8.5 17.1 51.2#
77 0.0 24.4 36.6#



#37
Ethyl Acetate
Concen: 1.063 ug/l
RT: 6.960 min Scan# 843
Delta R.T. -0.109 min
Lab File: VY010903.D
Acq: 10 Oct 2022 20:07

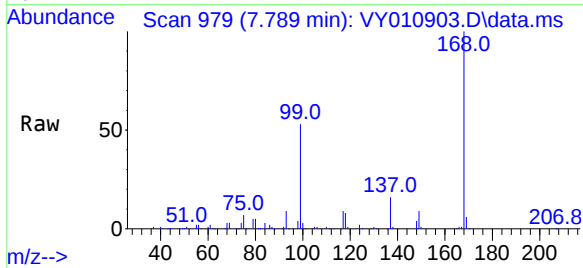
Tgt Ion: 43 Resp: 2116
Ion Ratio Lower Upper
43 100
61 96.0 9.7 14.5#
70 0.0 7.1 10.7#



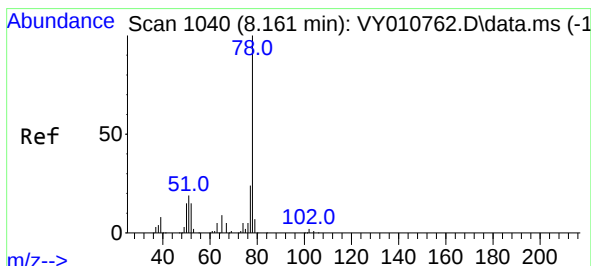
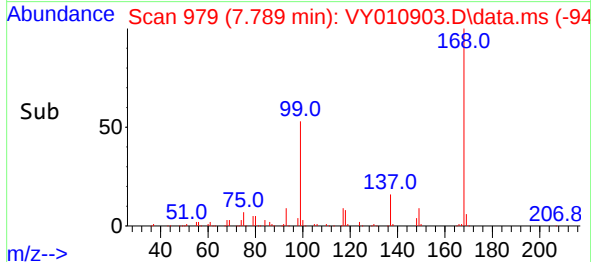
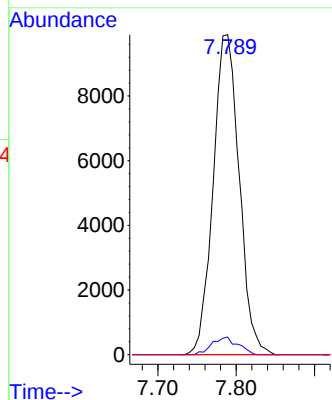


#38
Carbon Tetrachloride
Concen: 5.418 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.110 min
Lab File: VY010903.D
Acq: 10 Oct 2022 20:07

Instrument :
MSVOA_Y
ClientSampleId :

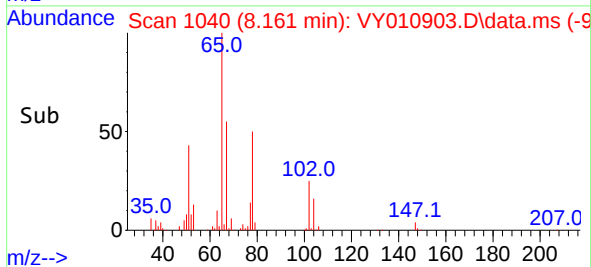
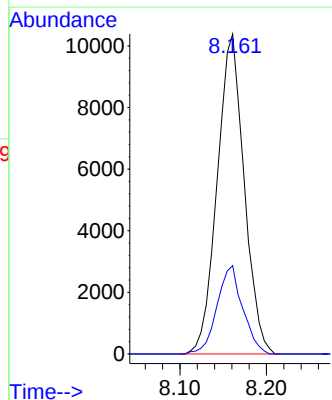
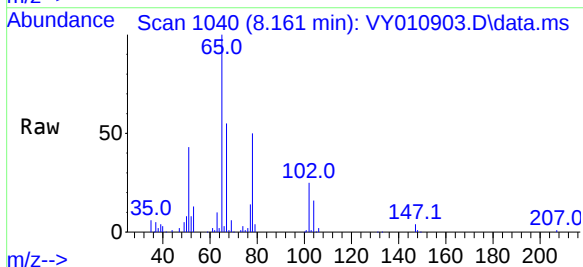


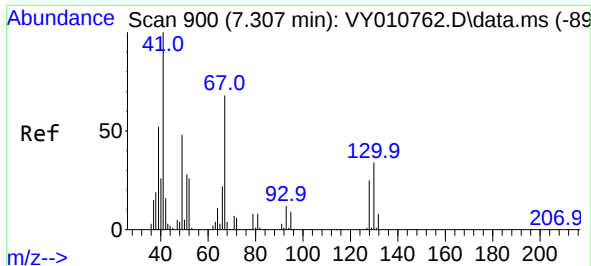
Tgt Ion:117 Resp: 22887
Ion Ratio Lower Upper
117 100
119 5.5 77.9 116.9#
121 0.0 24.8 37.2#



#40
Benzene
Concen: 1.920 ug/l
RT: 8.161 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY010903.D
Acq: 10 Oct 2022 20:07

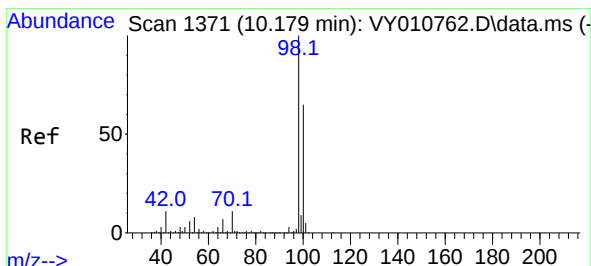
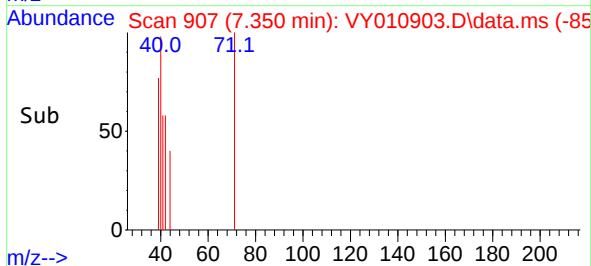
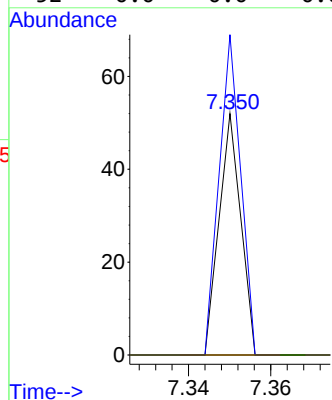
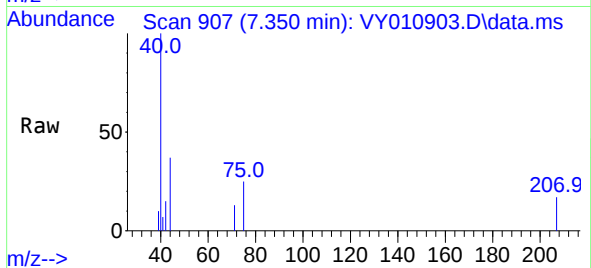
Tgt Ion: 78 Resp: 22431
Ion Ratio Lower Upper
78 100
77 27.6 20.4 30.6



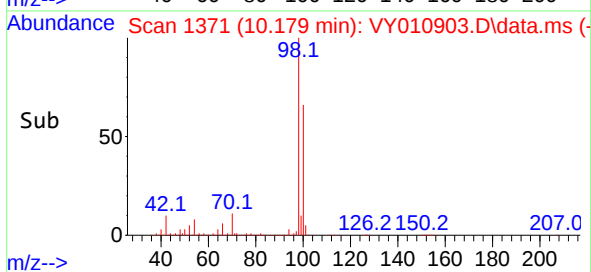
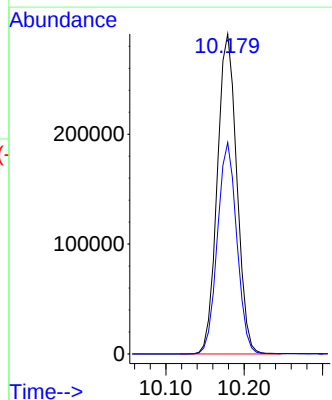
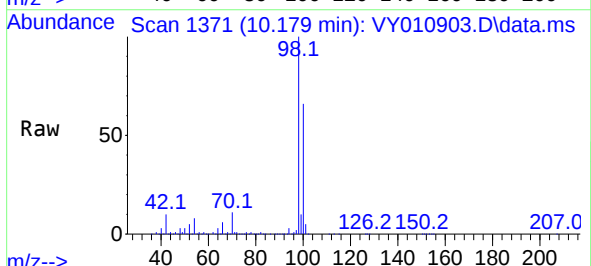


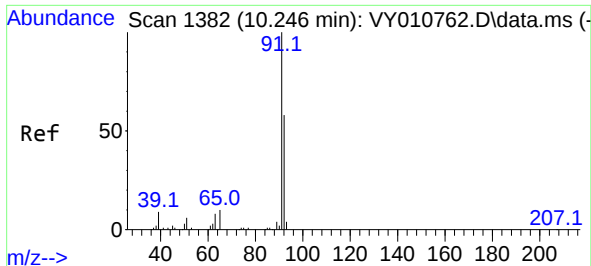
#41
Methacrylonitrile
Concen: 2.597 ug/l
RT: 7.350 min Scan# 907
Delta R.T. 0.043 min
Lab File: VY010903.D
Acq: 10 Oct 2022 20:07

Instrument :
MSVOA_Y
ClientSampleId :



#50
Toluene-d8
Concen: 52.543 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY010903.D
Acq: 10 Oct 2022 20:07

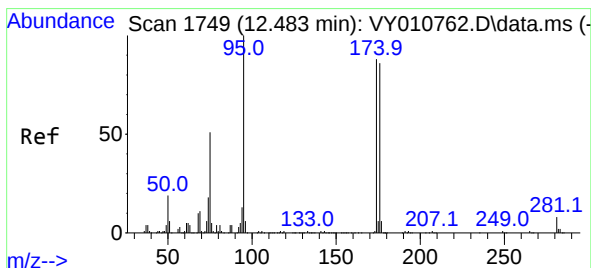
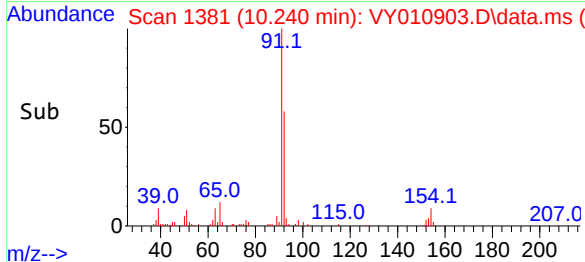
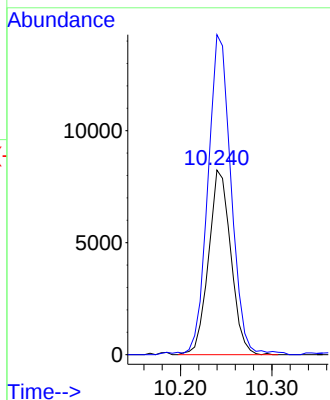
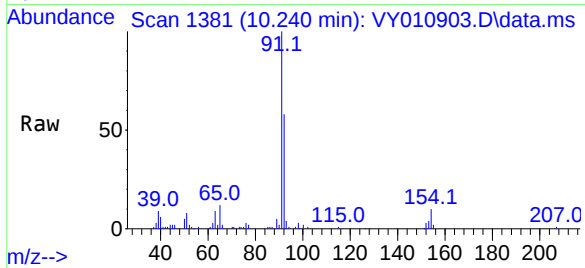




#52
Toluene
Concen: 1.873 ug/l
RT: 10.240 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY010903.D
Acq: 10 Oct 2022 20:07

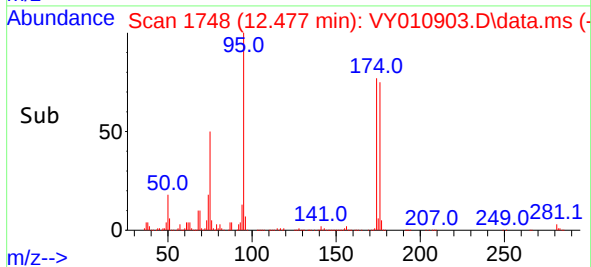
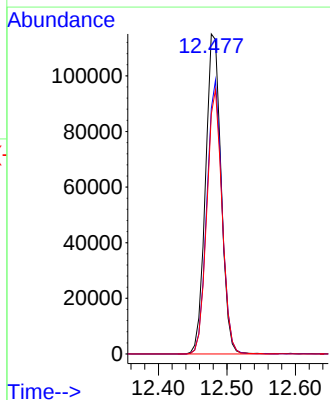
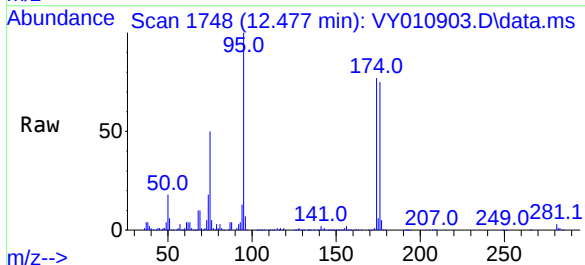
Instrument :
MSVOA_Y
ClientSampleId :

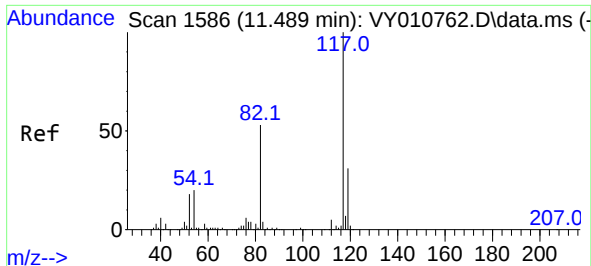
Tgt Ion: 92 Resp: 13930
Ion Ratio Lower Upper
92 100
91 180.3 142.6 213.8



#62
4-Bromofluorobenzene
Concen: 48.330 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY010903.D
Acq: 10 Oct 2022 20:07

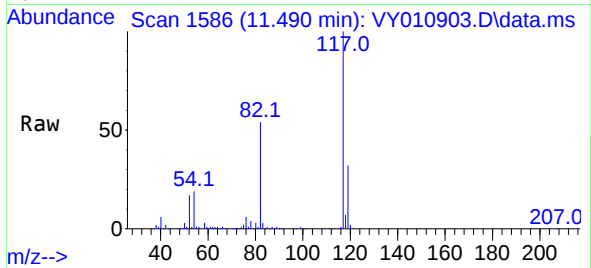
Tgt Ion: 95 Resp: 181879
Ion Ratio Lower Upper
95 100
174 83.1 0.0 177.0
176 80.6 0.0 175.8



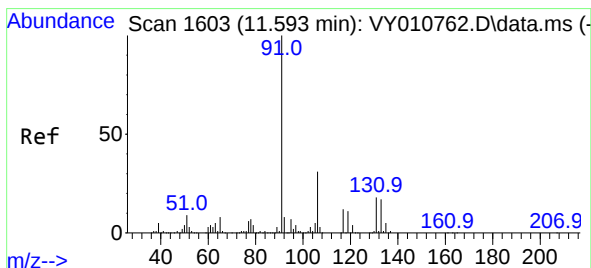
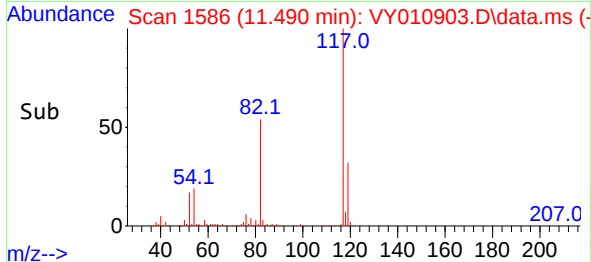
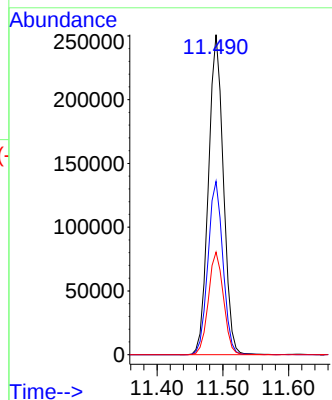


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 117
Delta R.T. 0.001 min
Lab File: VY010903.D
Acq: 10 Oct 2022 20:07

Instrument :
MSVOA_Y
ClientSampleId :

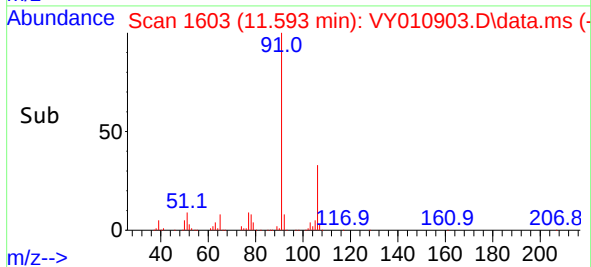
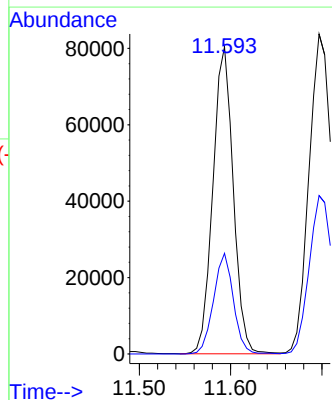
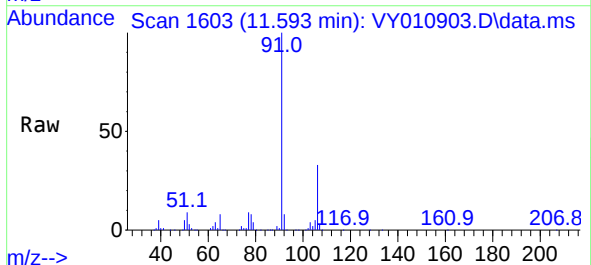


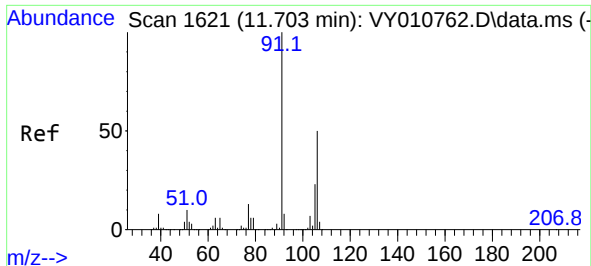
Tgt Ion:117 Resp: 397248
Ion Ratio Lower Upper
117 100
82 54.2 43.0 64.4
119 32.0 25.4 38.0



#67
Ethyl Benzene
Concen: 8.398 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. 0.000 min
Lab File: VY010903.D
Acq: 10 Oct 2022 20:07

Tgt Ion: 91 Resp: 124326
Ion Ratio Lower Upper
91 100
106 32.8 24.5 36.7

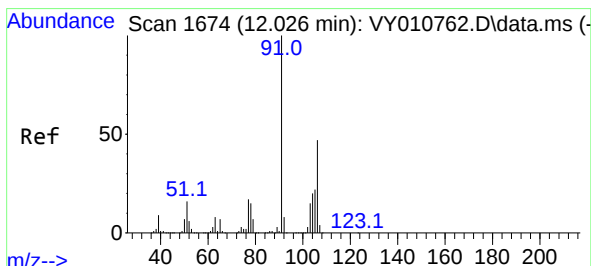
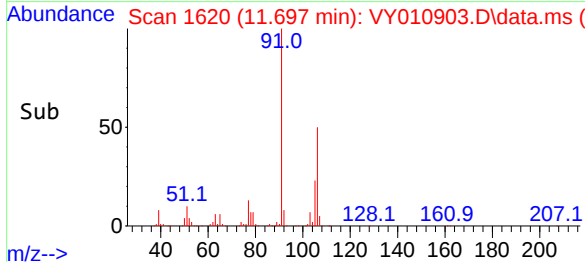
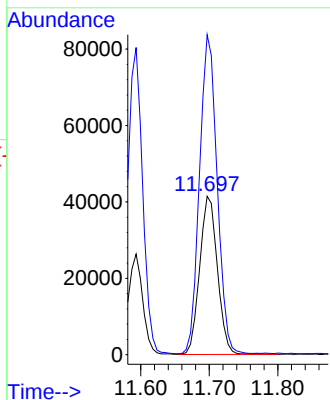
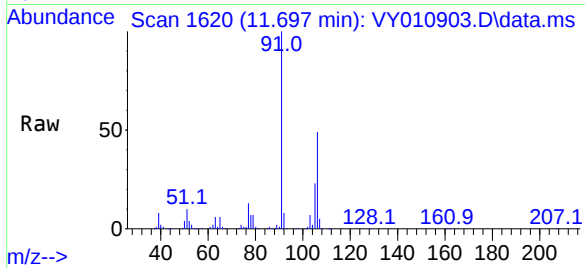




#68
m/p-Xylenes
Concen: 12.881 ug/l
RT: 11.697 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY010903.D
Acq: 10 Oct 2022 20:07

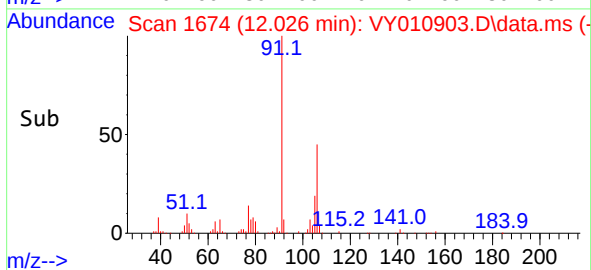
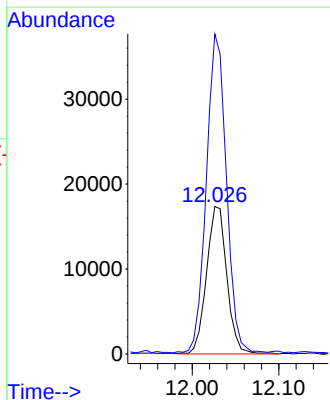
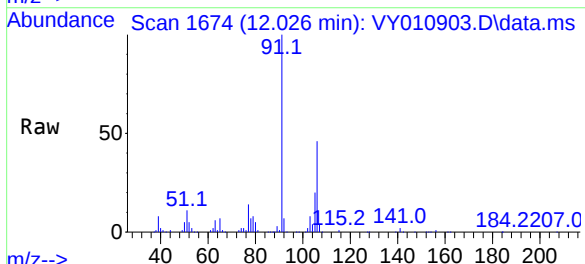
Instrument :
MSVOA_Y
ClientSampleId :

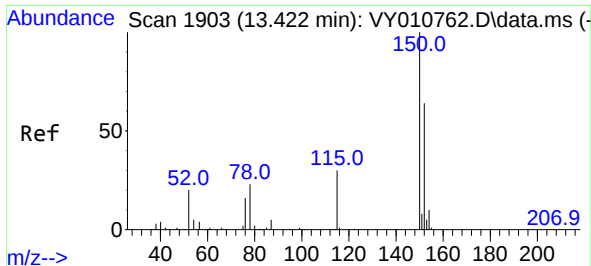
Tgt Ion:106 Resp: 74635
Ion Ratio Lower Upper
106 100
91 200.1 166.6 249.8



#69
o-Xylene
Concen: 5.225 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. 0.000 min
Lab File: VY010903.D
Acq: 10 Oct 2022 20:07

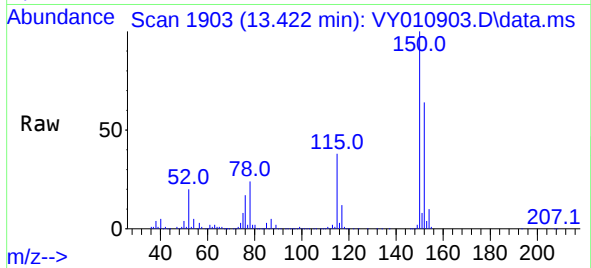
Tgt Ion:106 Resp: 28303
Ion Ratio Lower Upper
106 100
91 212.9 110.3 331.0



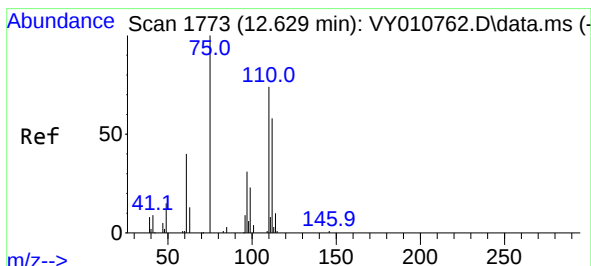
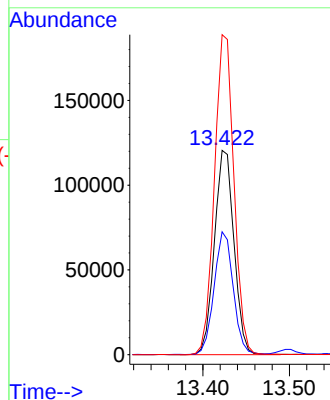
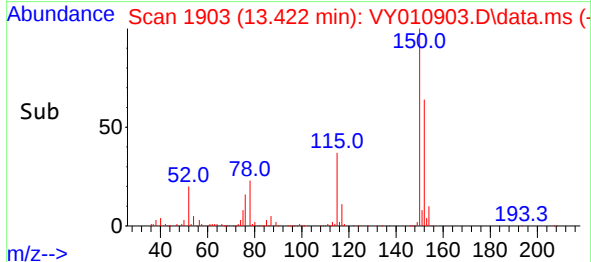


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. 0.000 min
Lab File: VY010903.D
Acq: 10 Oct 2022 20:07

Instrument :
MSVOA_Y
ClientSampleId :

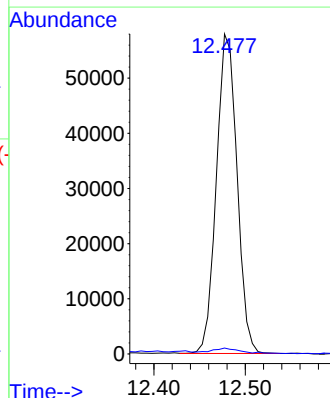
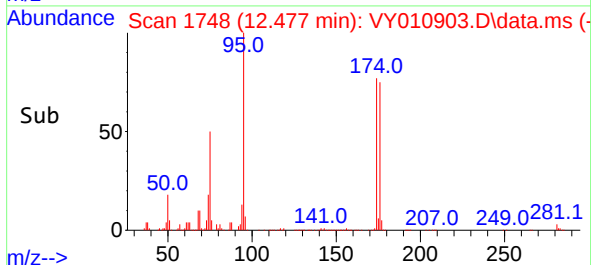
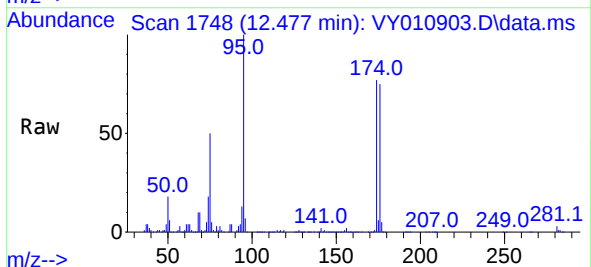


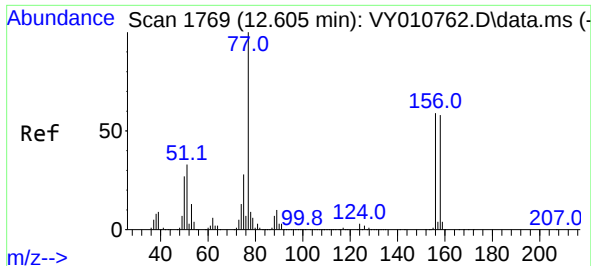
Tgt Ion:152 Resp: 189204
Ion Ratio Lower Upper
152 100
115 58.6 28.2 84.7
150 155.9 0.0 347.6



#76
1,2,3-Trichloropropane
Concen: 47.535 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.152 min
Lab File: VY010903.D
Acq: 10 Oct 2022 20:07

Tgt Ion: 75 Resp: 91080
Ion Ratio Lower Upper
75 100
77 2.3 0.0 0.0#

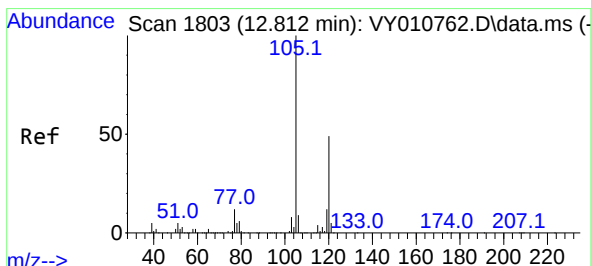
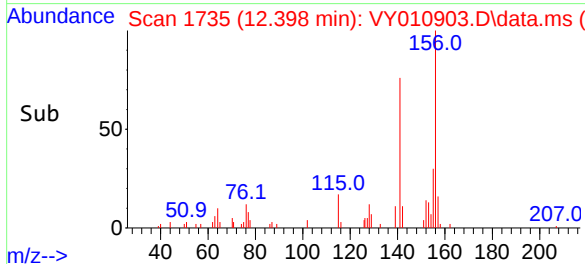
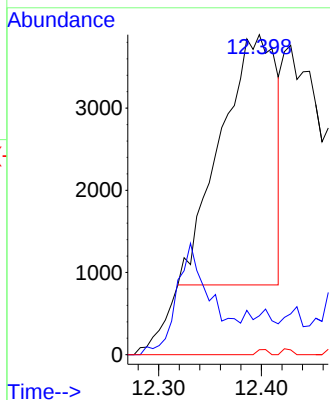
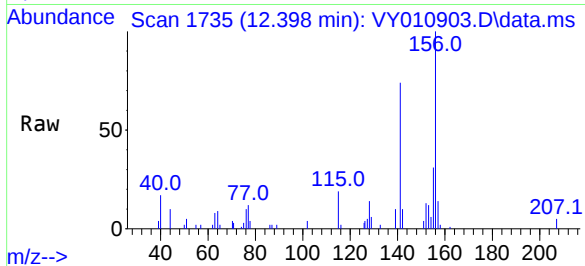




#77
Bromobenzene
Concen: 3.567 ug/l
RT: 12.398 min Scan# 11
Delta R.T. -0.207 min
Lab File: VY010903.D
Acq: 10 Oct 2022 20:07

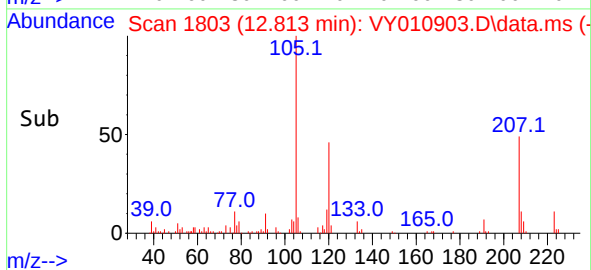
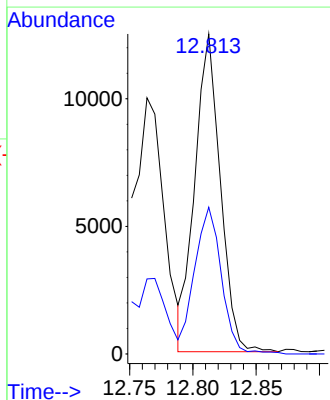
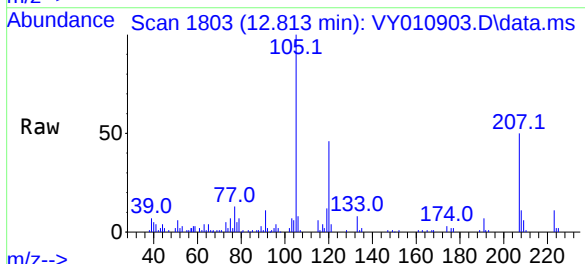
Instrument :
MSVOA_Y
ClientSampleId :

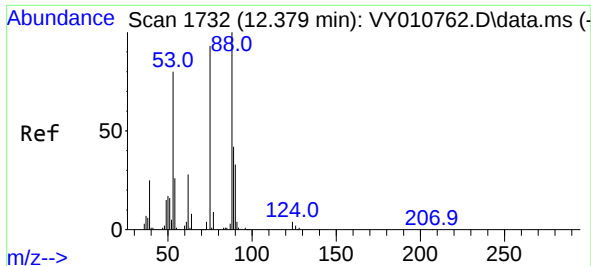
Tgt Ion:156 Resp: 11382
Ion Ratio Lower Upper
156 100
77 0.0 95.5 286.4#
158 0.4 48.0 144.0#



#80
1,3,5-Trimethylbenzene
Concen: 1.481 ug/l
RT: 12.813 min Scan# 1803
Delta R.T. 0.001 min
Lab File: VY010903.D
Acq: 10 Oct 2022 20:07

Tgt Ion:105 Resp: 17423
Ion Ratio Lower Upper
105 100
120 48.8 24.4 73.4

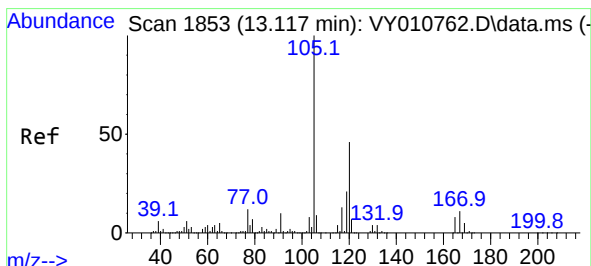
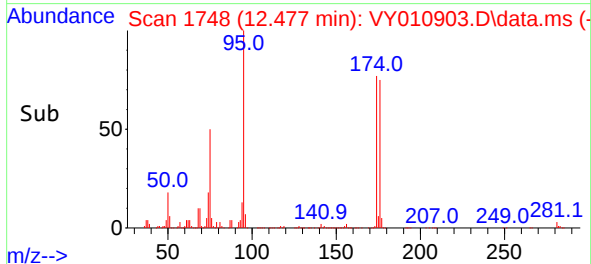
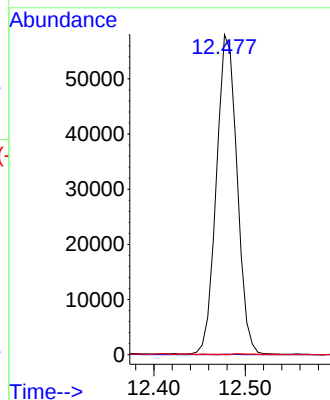
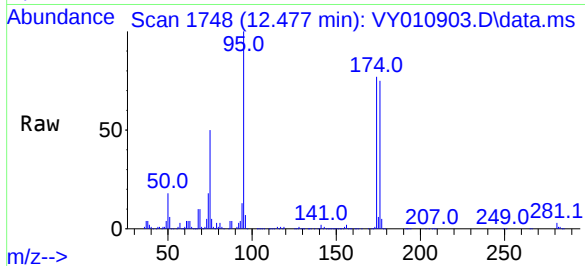




#81
trans-1,4-Dichloro-2-butene
Concen: 99.297 ug/l
RT: 12.477 min Scan# 11
Delta R.T. 0.098 min
Lab File: VY010903.D
Acq: 10 Oct 2022 20:07

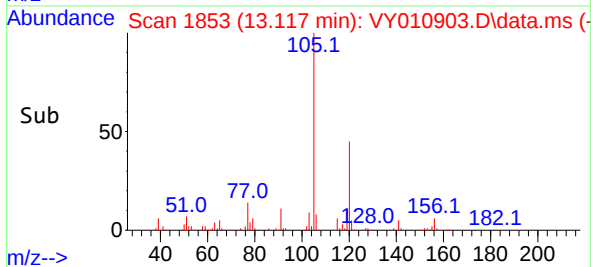
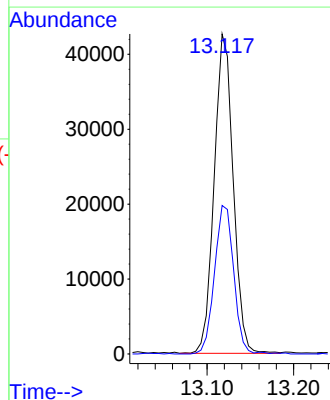
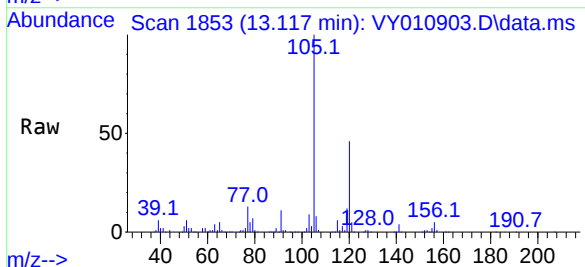
Instrument :
MSVOA_Y
ClientSampleId :

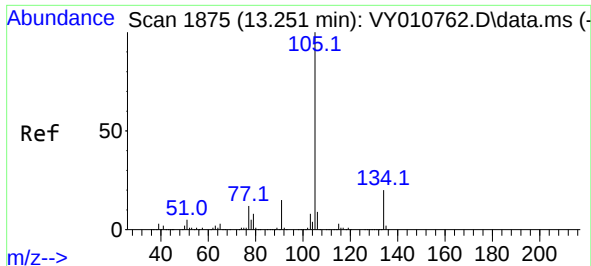
Tgt Ion: 75 Resp: 91080
Ion Ratio Lower Upper
75 100
53 0.1 85.3 127.9#
89 0.2 37.0 55.4#



#84
1,2,4-Trimethylbenzene
Concen: 5.612 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. 0.000 min
Lab File: VY010903.D
Acq: 10 Oct 2022 20:07

Tgt Ion: 105 Resp: 64916
Ion Ratio Lower Upper
105 100
120 47.2 22.3 66.9

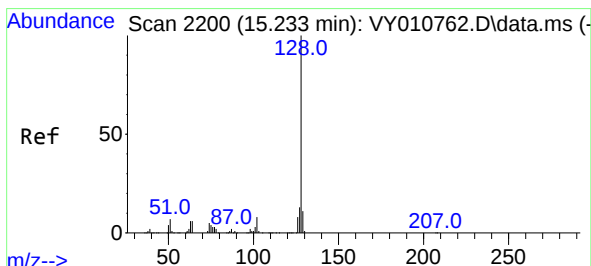
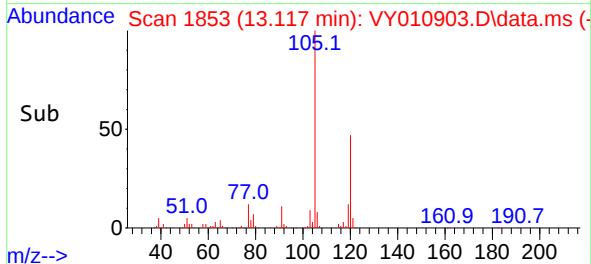
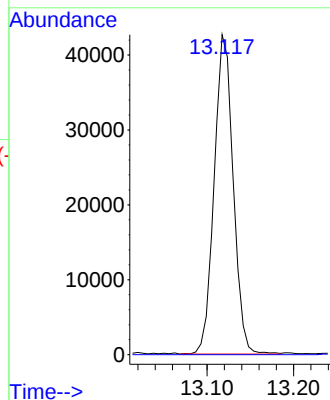
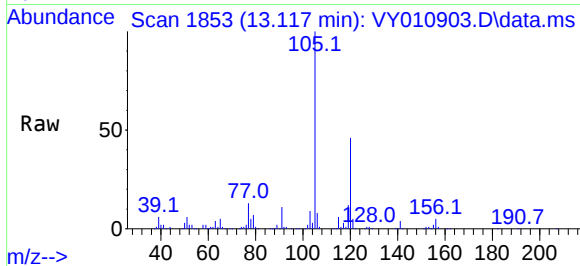




#85
 sec-Butylbenzene
 Concen: 4.300 ug/l
 RT: 13.117 min Scan# 11
 Delta R.T. -0.134 min
 Lab File: VY010903.D
 Acq: 10 Oct 2022 20:07

Instrument :
 MSVOA_Y
 ClientSampleId :

Tgt Ion:105 Resp: 64916
 Ion Ratio Lower Upper
 105 100
 134 0.0 10.2 30.4#



#95
 Naphthalene
 Concen: 74.101 ug/l
 RT: 15.233 min Scan# 2200
 Delta R.T. -0.000 min
 Lab File: VY010903.D
 Acq: 10 Oct 2022 20:07

Tgt Ion:128 Resp: 467768
 Ion Ratio Lower Upper
 128 100
 127 12.8 11.0 16.4
 129 10.9 8.4 12.6

