

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY032323\
 Data File : VY013064.D
 Acq On : 23 Mar 2023 16:48
 Operator : KP/MD
 Sample : 02032-01
 Misc : 5.01g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 S-1

Quant Time: Mar 24 05:04:41 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 03 01:13:13 2023
 Response via : Initial Calibration

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

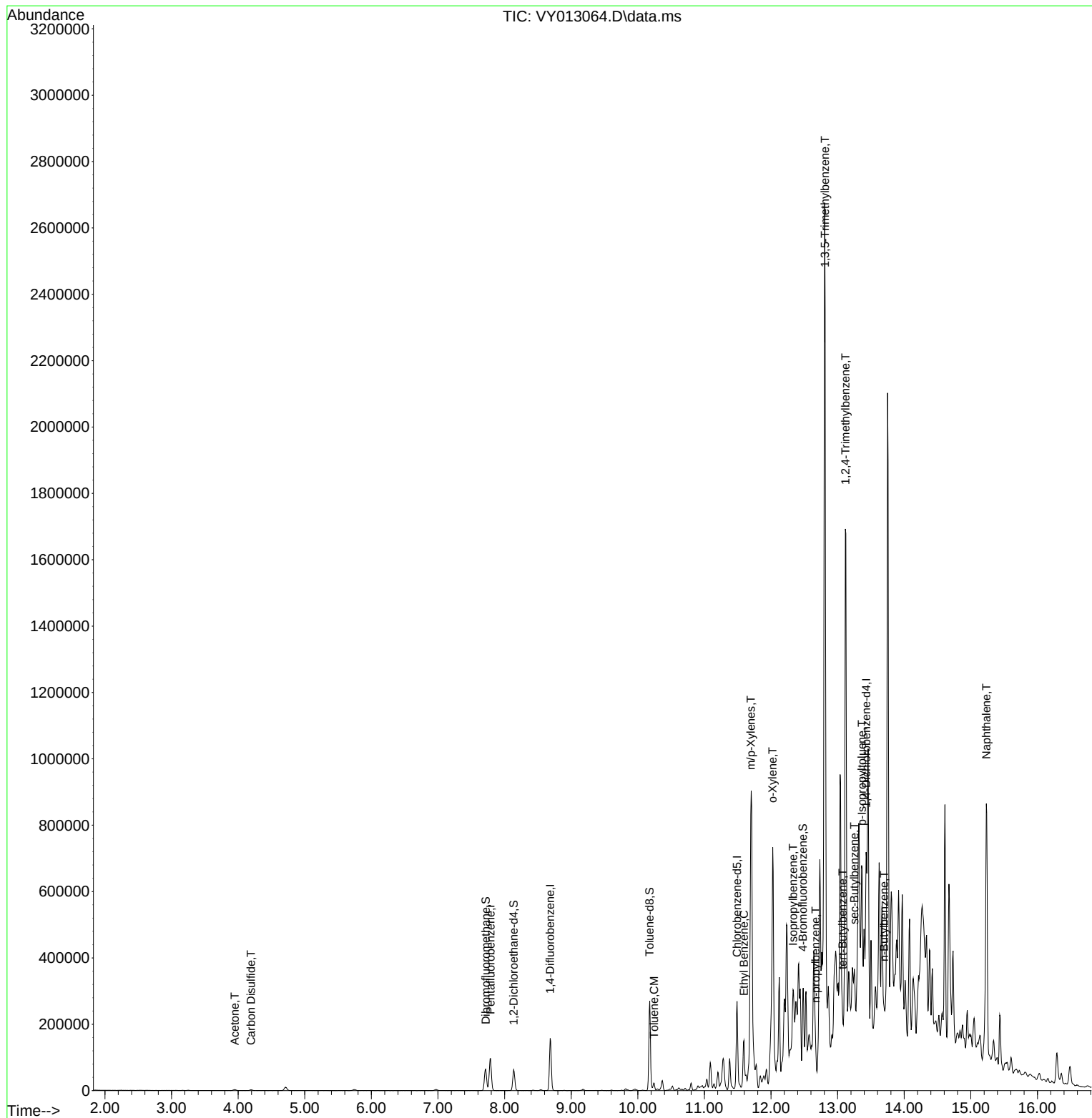
Internal Standards						
1) Pentafluorobenzene	7.789	168	76183	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.685	114	131198	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	132988	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	68062	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.136	65	46549	61.540	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 123.080%	
35) Dibromofluoromethane	7.716	113	45332	57.253	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 114.500%	
50) Toluene-d8	10.179	98	164259	56.747	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 113.500%	
62) 4-Bromofluorobenzene	12.477	95	65716	67.264	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 134.520%	
Target Compounds						
					Qvalue	
16) Acetone	3.948	43	5344	18.000	ug/l	95
17) Carbon Disulfide	4.192	76	4298	1.610	ug/l #	90
52) Toluene	10.246	92	8779	3.878	ug/l	95
67) Ethyl Benzene	11.593	91	91415	18.629	ug/l	99
68) m/p-Xylenes	11.697	106	205649	108.937	ug/l	100
69) o-Xylene	12.026	106	166598	94.559	ug/l	99
73) Isopropylbenzene	12.331	105	37161	7.704	ug/l	93
78) n-propylbenzene	12.672	91	43601	7.332	ug/l	99
80) 1,3,5-Trimethylbenzene	12.812	105	455557	114.440	ug/l	100
83) tert-Butylbenzene	13.074	119	6406	1.864	ug/l	90
84) 1,2,4-Trimethylbenzene	13.117	105	775902	199.329	ug/l	100
85) sec-Butylbenzene	13.251	105	42758	8.157	ug/l	85
86) p-Isopropyltoluene	13.367	119	81000	18.908	ug/l	98
89) n-Butylbenzene	13.696	91	23215	5.661	ug/l #	56
95) Naphthalene	15.233	128	617866	245.117	ug/l	99

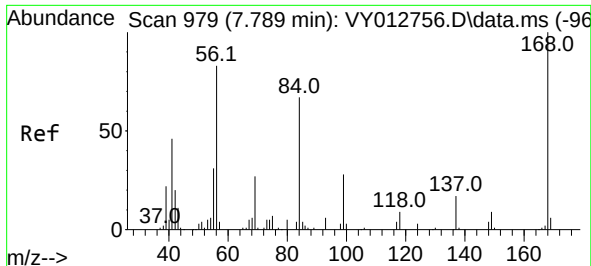
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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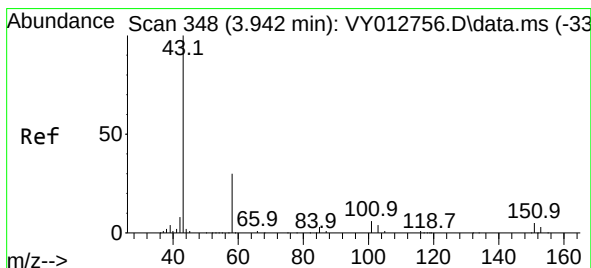
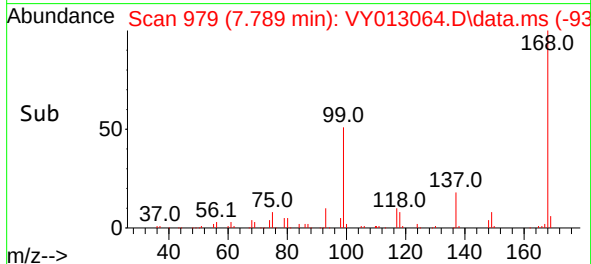
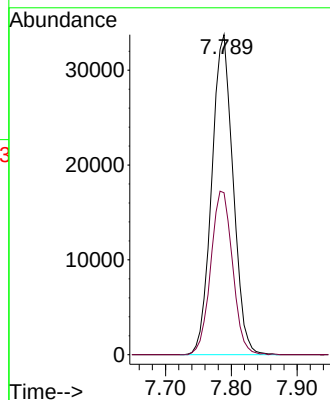
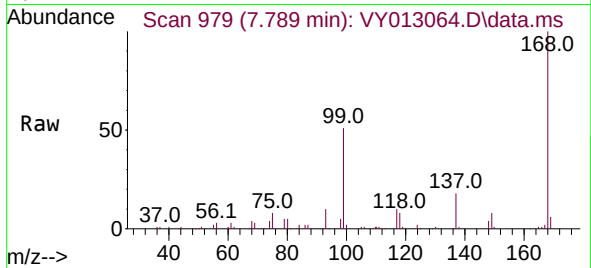




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY013064.D
Acq: 23 Mar 2023 16:48

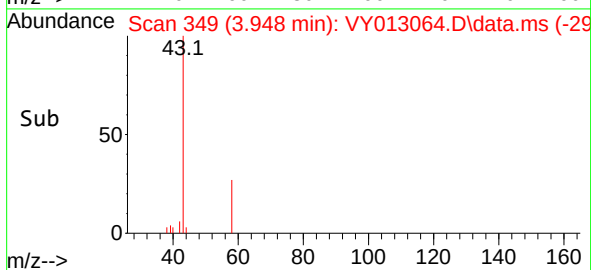
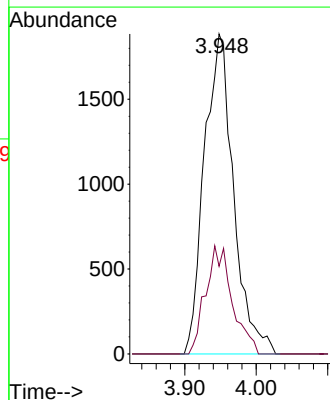
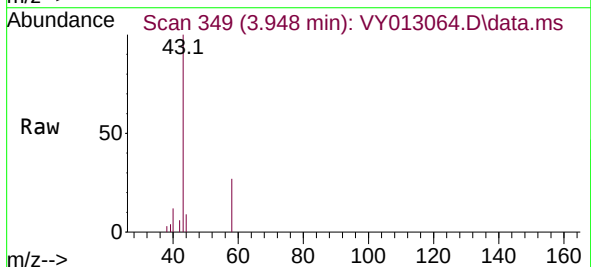
Instrument :
MSVOA_Y
ClientSampleId :
S-1

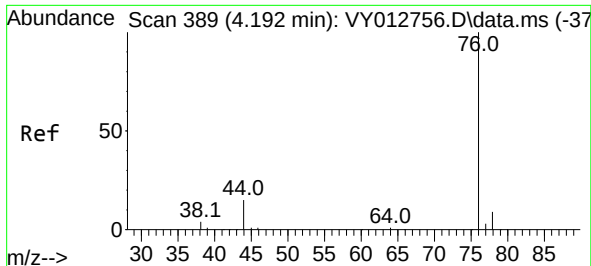
Tgt Ion:168 Resp: 76183
Ion Ratio Lower Upper
168 100
99 50.6 41.7 62.5



#16
Acetone
Concen: 18.000 ug/l
RT: 3.948 min Scan# 349
Delta R.T. 0.006 min
Lab File: VY013064.D
Acq: 23 Mar 2023 16:48

Tgt Ion: 43 Resp: 5344
Ion Ratio Lower Upper
43 100
58 27.4 24.2 36.2

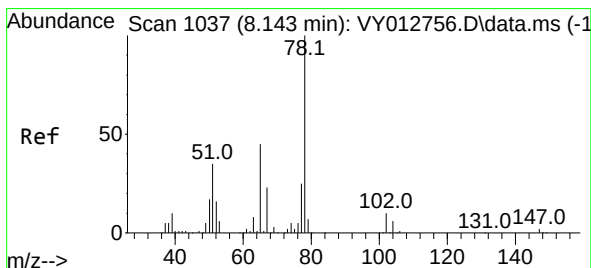
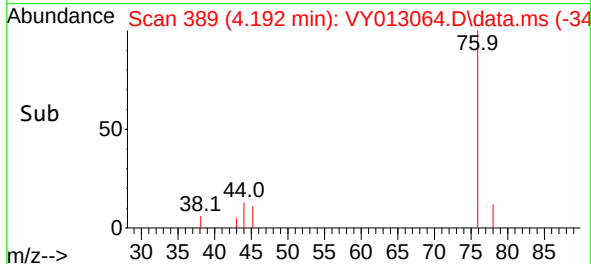
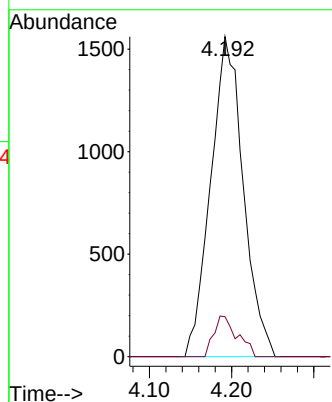
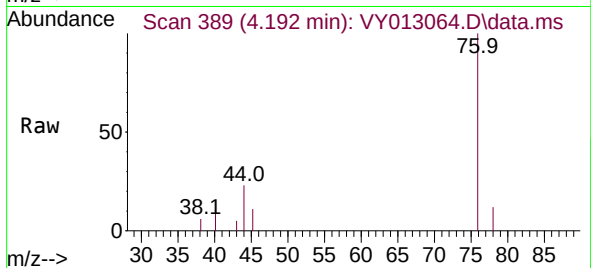




#17
Carbon Disulfide
Concen: 1.610 ug/l
RT: 4.192 min Scan# 31
Delta R.T. -0.000 min
Lab File: VY013064.D
Acq: 23 Mar 2023 16:48

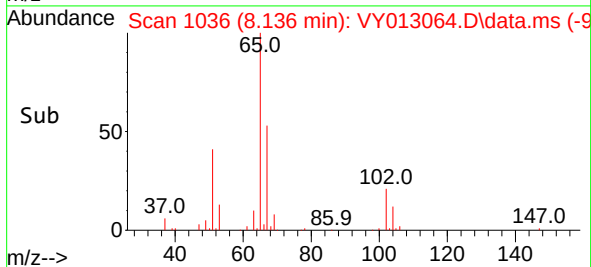
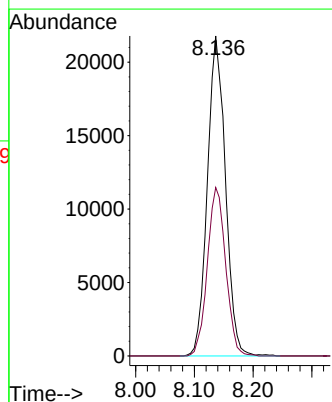
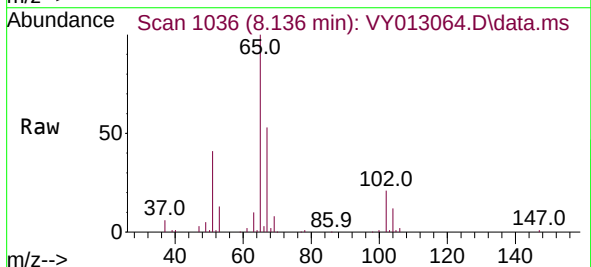
Instrument :
MSVOA_Y
ClientSampleId :
S-1

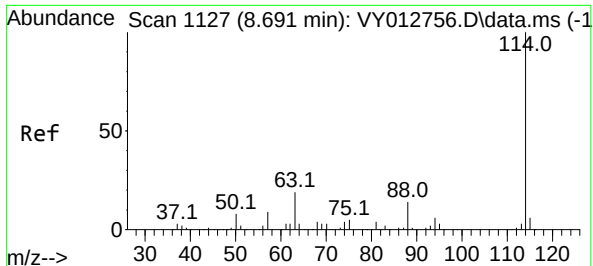
Tgt Ion: 76 Resp: 4298
Ion Ratio Lower Upper
76 100
78 12.5 7.1 10.7#



#33
1,2-Dichloroethane-d4
Concen: 61.540 ug/l
RT: 8.136 min Scan# 1036
Delta R.T. -0.007 min
Lab File: VY013064.D
Acq: 23 Mar 2023 16:48

Tgt Ion: 65 Resp: 46549
Ion Ratio Lower Upper
65 100
67 53.4 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.685 min Scan# 1126

Delta R.T. -0.006 min

Lab File: VY013064.D

Acq: 23 Mar 2023 16:48

Instrument :

MSVOA_Y

ClientSampleId :

S-1

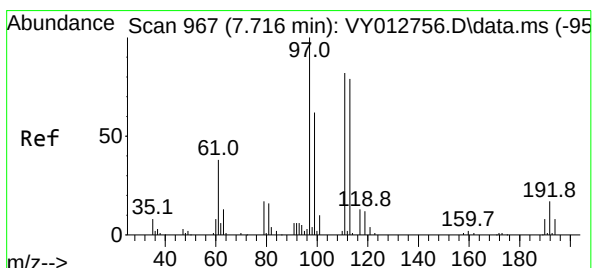
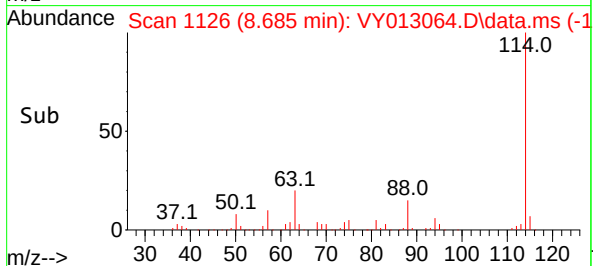
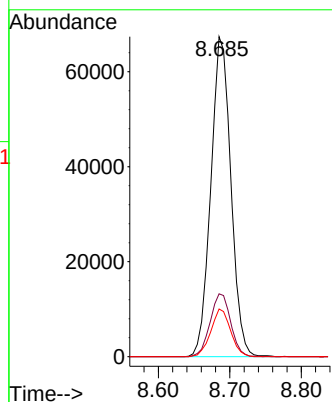
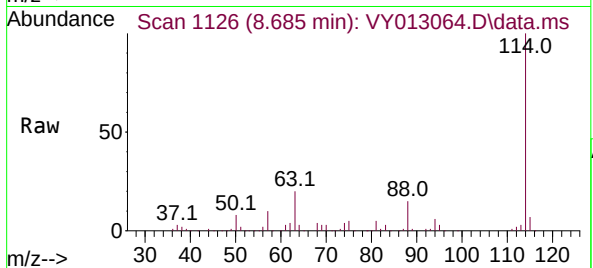
Tgt Ion:114 Resp: 131198

Ion Ratio Lower Upper

114 100

63 19.7 0.0 37.4

88 14.9 0.0 28.6



#35

Dibromofluoromethane

Concen: 57.253 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY013064.D

Acq: 23 Mar 2023 16:48

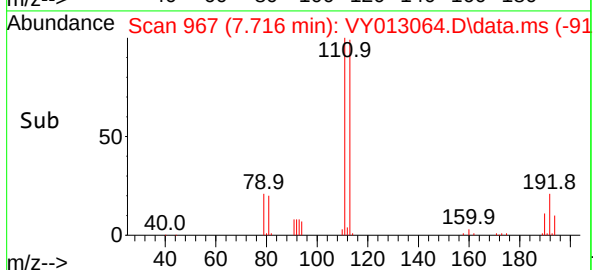
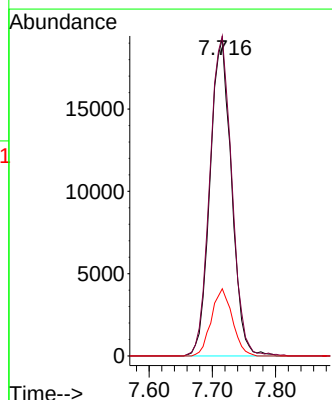
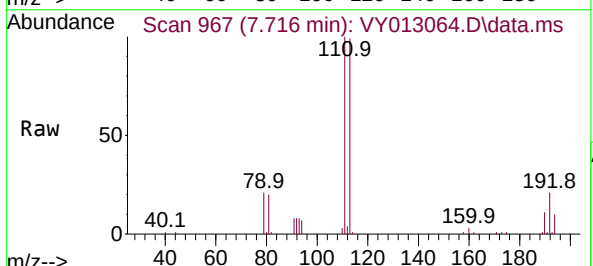
Tgt Ion:113 Resp: 45332

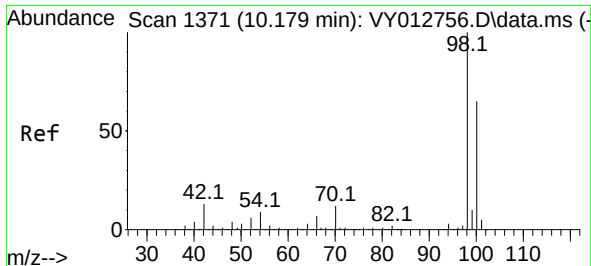
Ion Ratio Lower Upper

113 100

111 103.8 82.2 123.2

192 20.8 16.8 25.2





#50

Toluene-d8

Concen: 56.747 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY013064.D

Acq: 23 Mar 2023 16:48

Instrument :

MSVOA_Y

ClientSampleId :

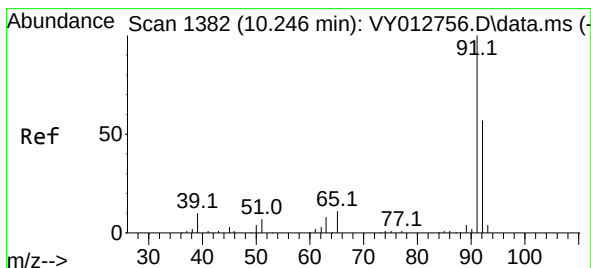
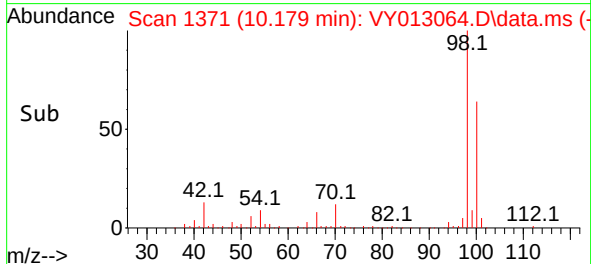
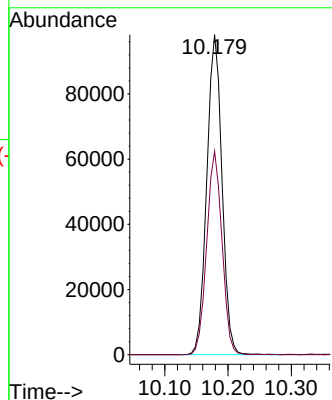
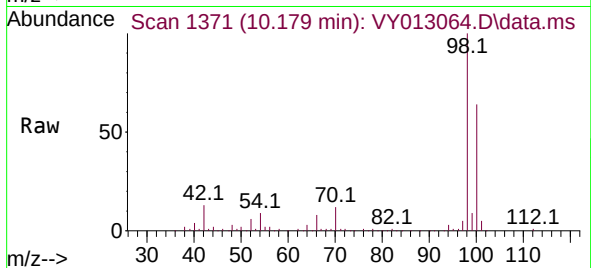
S-1

Tgt Ion: 98 Resp: 164259

Ion Ratio Lower Upper

98 100

100 63.9 50.9 76.3



#52

Toluene

Concen: 3.878 ug/l

RT: 10.246 min Scan# 1382

Delta R.T. -0.000 min

Lab File: VY013064.D

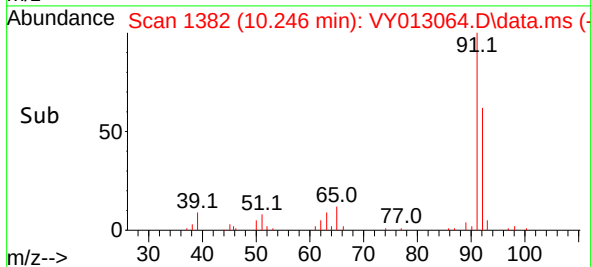
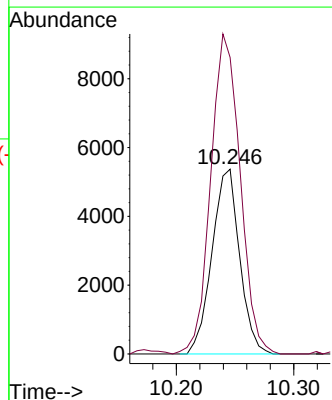
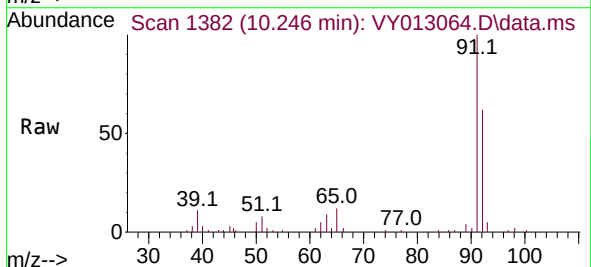
Acq: 23 Mar 2023 16:48

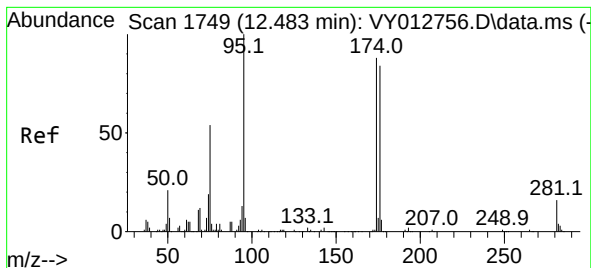
Tgt Ion: 92 Resp: 8779

Ion Ratio Lower Upper

92 100

91 184.0 141.3 211.9

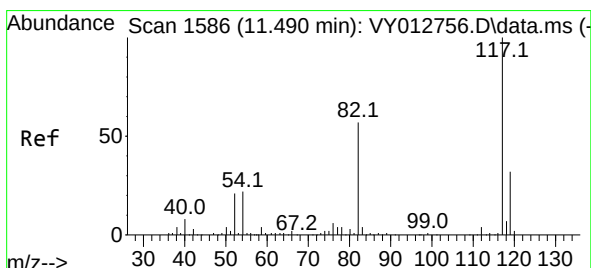
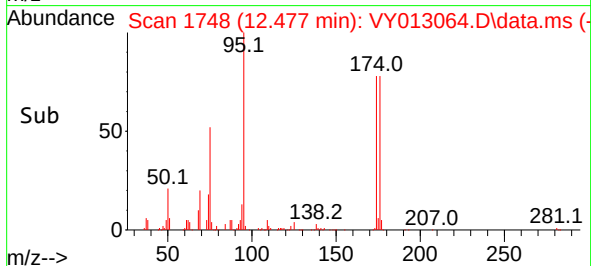
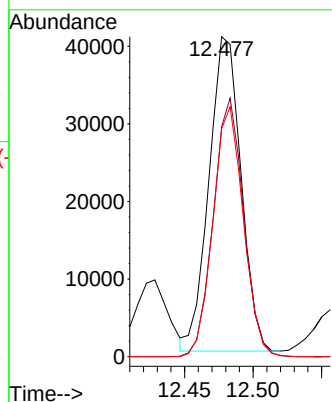
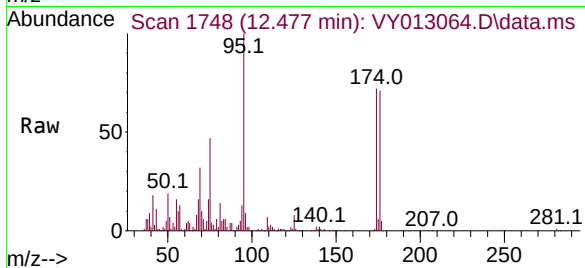




#62
4-Bromofluorobenzene
Concen: 67.264 ug/l
RT: 12.477 min Scan# 1748
Delta R.T. -0.006 min
Lab File: VY013064.D
Acq: 23 Mar 2023 16:48

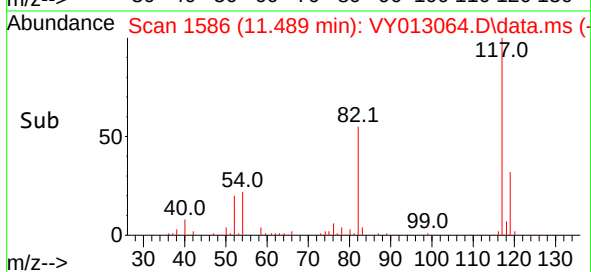
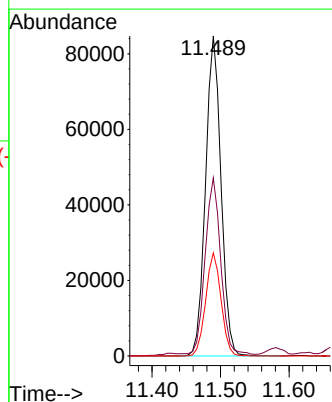
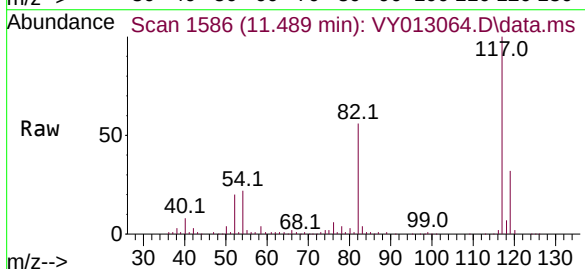
Instrument :
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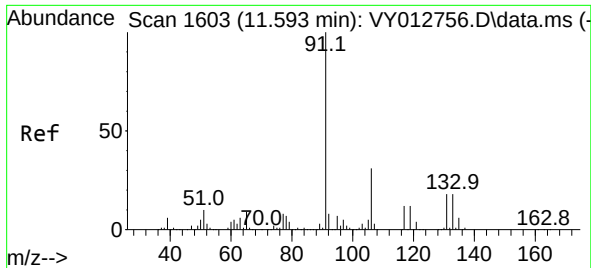
Tgt Ion: 95 Resp: 65716
Ion Ratio Lower Upper
95 100
174 77.7 0.0 176.6
176 75.3 0.0 170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY013064.D
Acq: 23 Mar 2023 16:48

Tgt Ion: 117 Resp: 132988
Ion Ratio Lower Upper
117 100
82 55.0 45.4 68.0
119 32.2 25.6 38.4

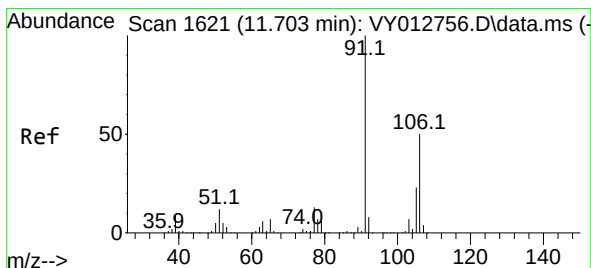
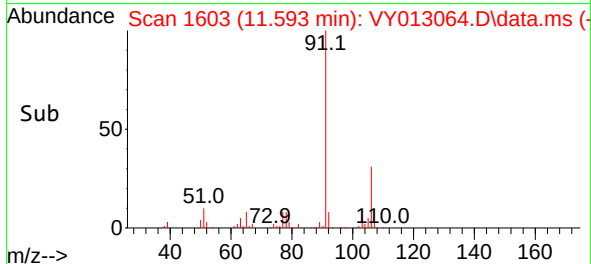
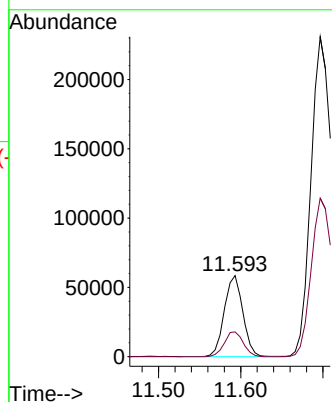
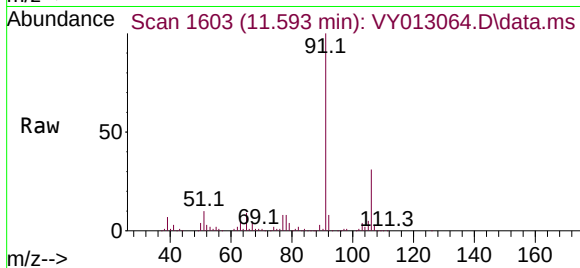




#67
Ethyl Benzene
Concen: 18.629 ug/l
RT: 11.593 min Scan# 1159
Delta R.T. -0.000 min
Lab File: VY013064.D
Acq: 23 Mar 2023 16:48

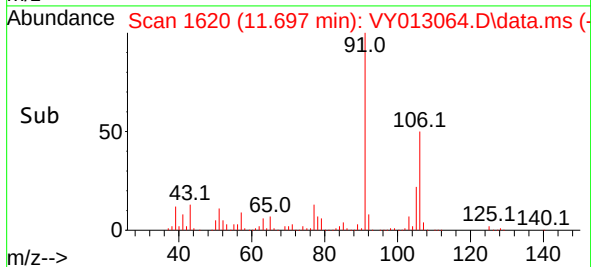
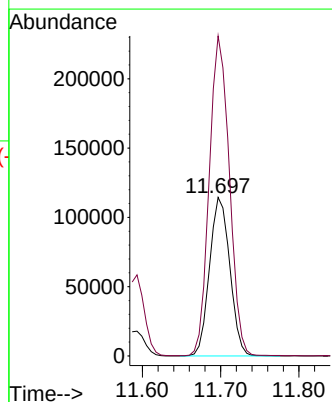
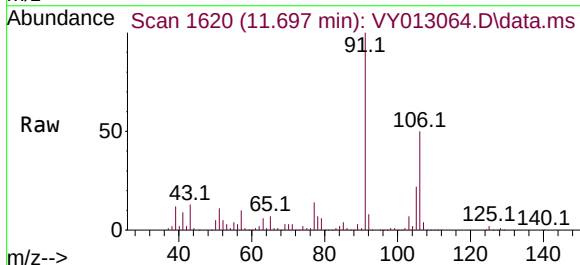
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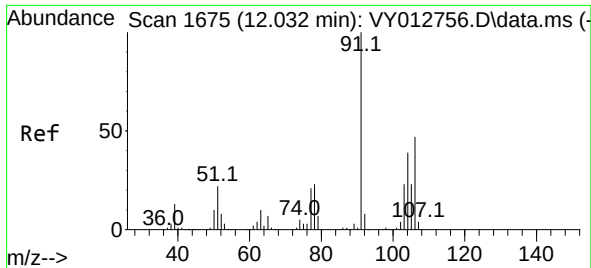
Tgt Ion: 91 Resp: 91415
Ion Ratio Lower Upper
91 100
106 30.7 25.1 37.7



#68
m/p-Xylenes
Concen: 108.937 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.006 min
Lab File: VY013064.D
Acq: 23 Mar 2023 16:48

Tgt Ion:106 Resp: 205649
Ion Ratio Lower Upper
106 100
91 200.5 159.8 239.8

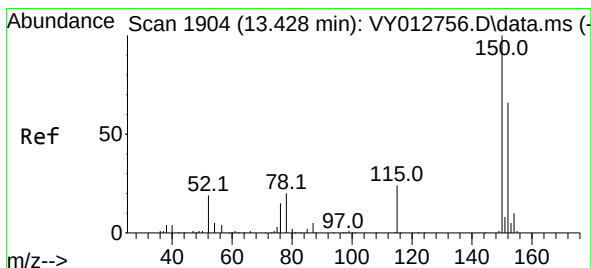
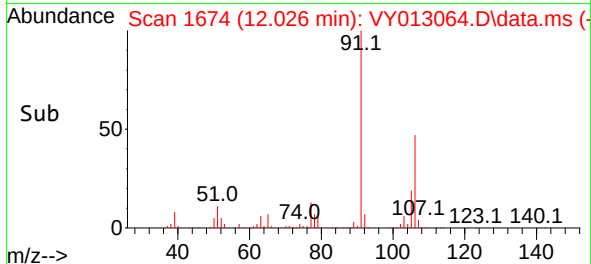
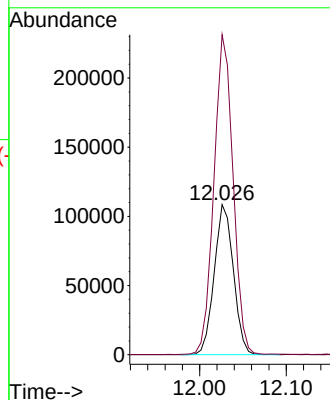
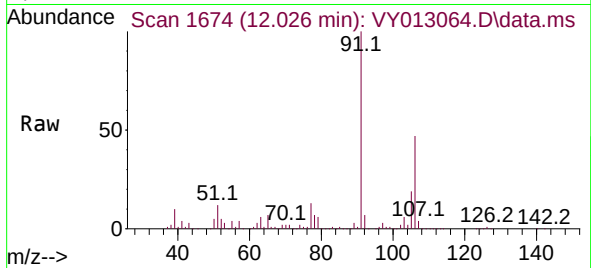




#69
o-Xylene
Concen: 94.559 ug/l
RT: 12.026 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY013064.D
Acq: 23 Mar 2023 16:48

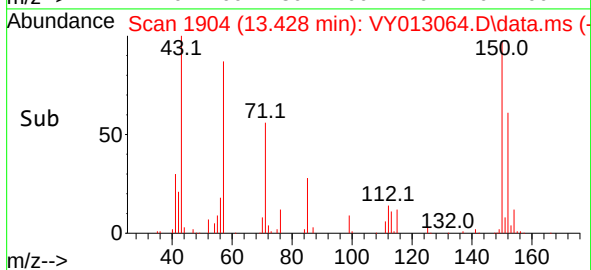
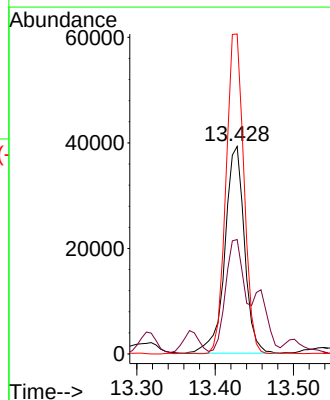
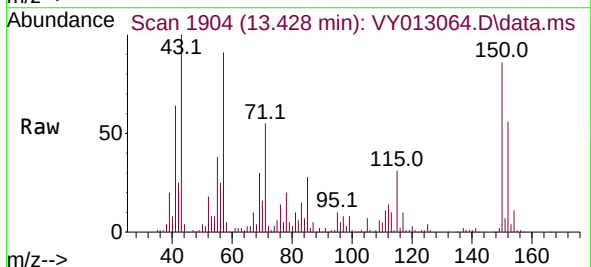
Instrument :
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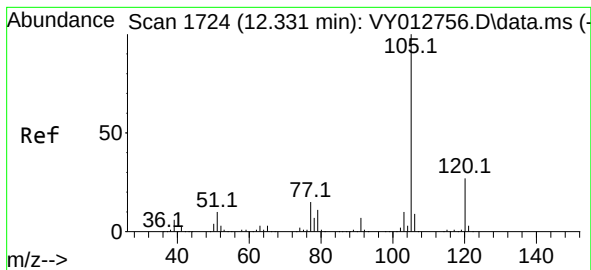
Tgt Ion:106 Resp: 166598
Ion Ratio Lower Upper
106 100
91 213.0 107.2 321.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.428 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VY013064.D
Acq: 23 Mar 2023 16:48

Tgt Ion:152 Resp: 68062
Ion Ratio Lower Upper
152 100
115 54.2 27.1 81.3
150 141.3 0.0 347.8





#73

Isopropylbenzene

Concen: 7.704 ug/l

RT: 12.331 min Scan# 1724

Delta R.T. -0.000 min

Lab File: VY013064.D

Acq: 23 Mar 2023 16:48

Instrument :

MSVOA_Y

ClientSampleId :

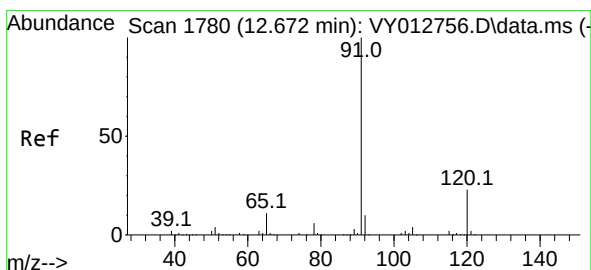
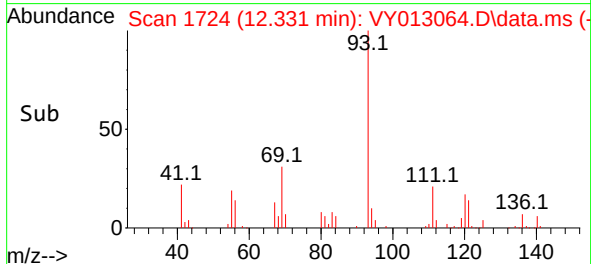
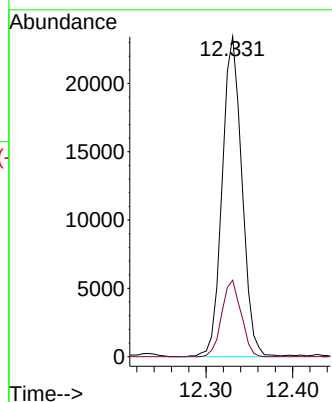
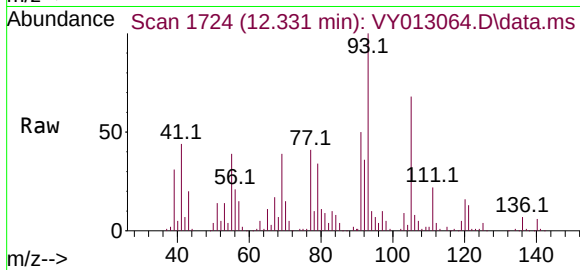
S-1

Tgt Ion:105 Resp: 37161

Ion Ratio Lower Upper

105 100

120 23.3 13.4 40.2



#78

n-propylbenzene

Concen: 7.332 ug/l

RT: 12.672 min Scan# 1780

Delta R.T. -0.000 min

Lab File: VY013064.D

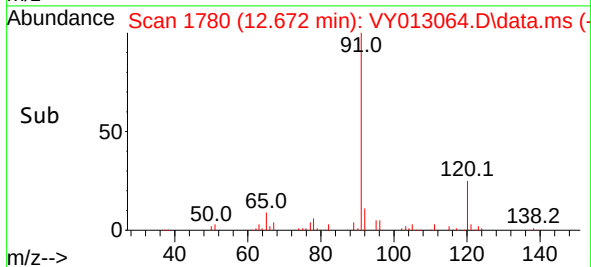
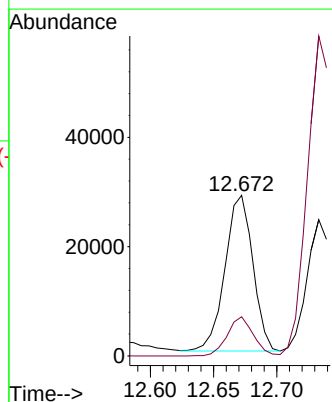
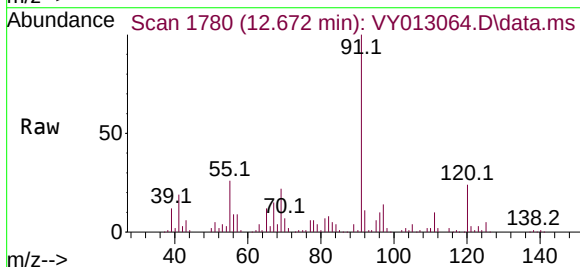
Acq: 23 Mar 2023 16:48

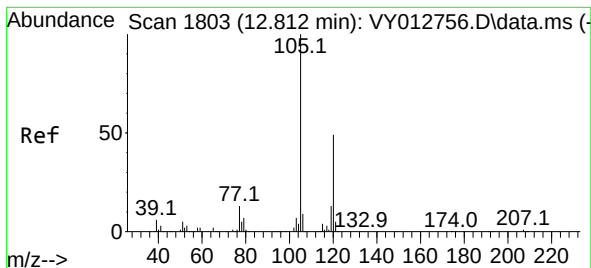
Tgt Ion: 91 Resp: 43601

Ion Ratio Lower Upper

91 100

120 23.8 11.6 34.8





#80

1,3,5-Trimethylbenzene

Concen: 114.440 ug/l

RT: 12.812 min Scan# 1803

Delta R.T. -0.000 min

Lab File: VY013064.D

Acq: 23 Mar 2023 16:48

Instrument :

MSVOA_Y

ClientSampleId :

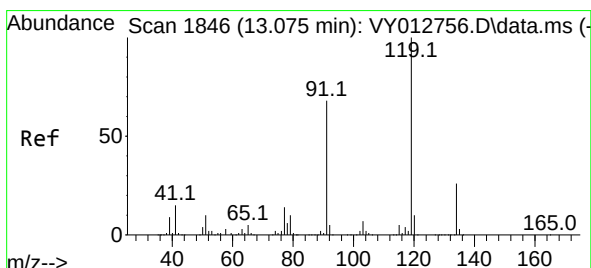
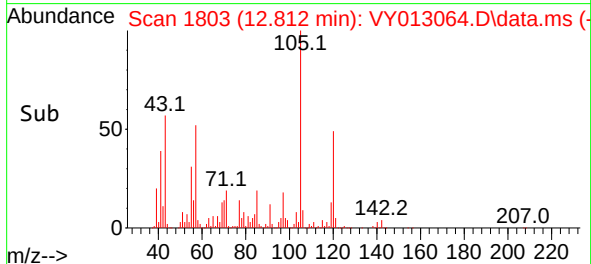
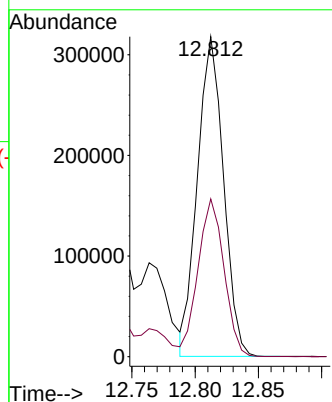
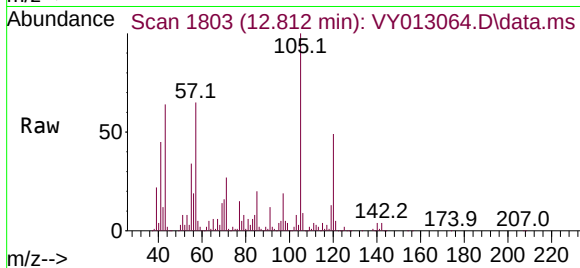
S-1

Tgt Ion:105 Resp: 455557

Ion Ratio Lower Upper

105 100

120 49.3 24.8 74.4



#83

tert-Butylbenzene

Concen: 1.864 ug/l

RT: 13.074 min Scan# 1846

Delta R.T. -0.000 min

Lab File: VY013064.D

Acq: 23 Mar 2023 16:48

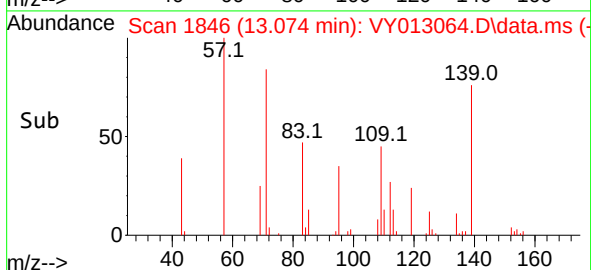
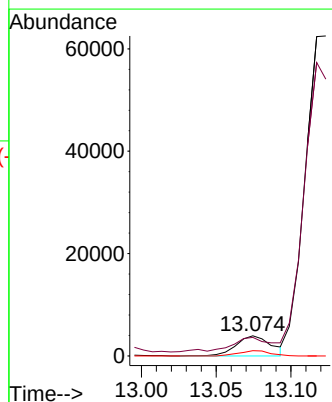
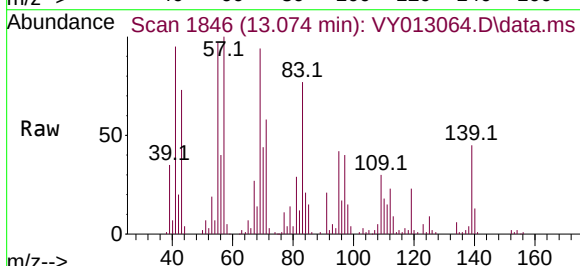
Tgt Ion:119 Resp: 6406

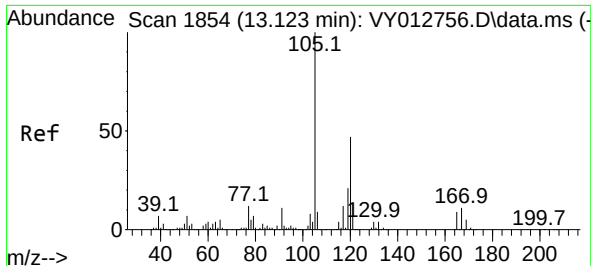
Ion Ratio Lower Upper

119 100

91 74.8 32.8 98.3

134 23.4 13.6 40.8

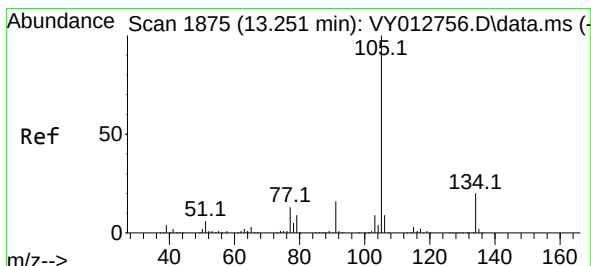
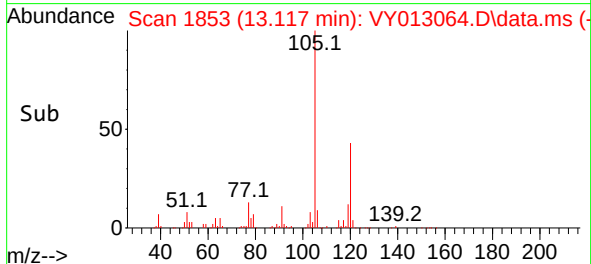
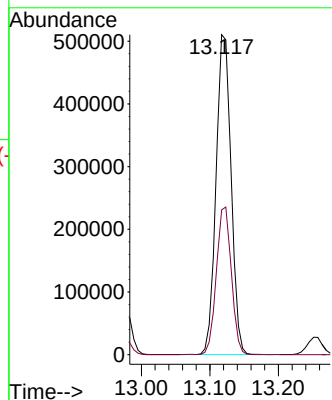
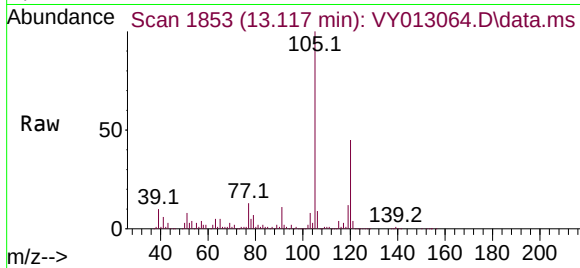




#84
1,2,4-Trimethylbenzene
Concen: 199.329 ug/l
RT: 13.117 min Scan# 1853
Delta R.T. -0.006 min
Lab File: VY013064.D
Acq: 23 Mar 2023 16:48

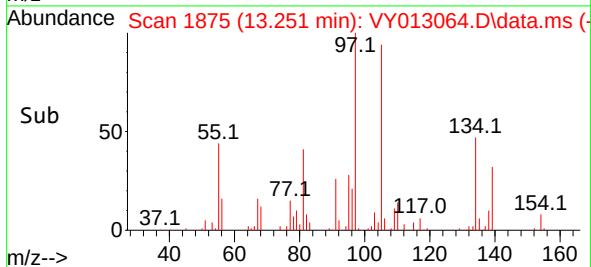
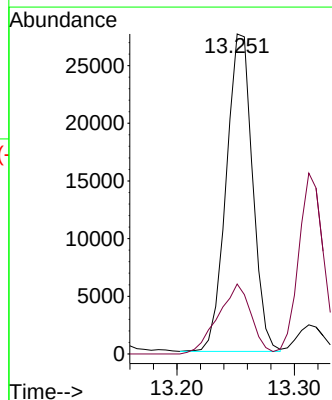
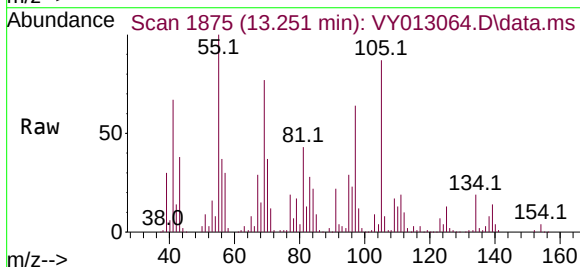
Instrument :
MSVOA_Y
ClientSampleId :
S-1

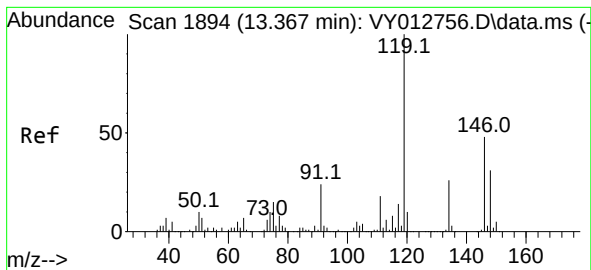
Tgt Ion:105 Resp: 775902
Ion Ratio Lower Upper
105 100
120 46.0 23.0 69.0



#85
sec-Butylbenzene
Concen: 8.157 ug/l
RT: 13.251 min Scan# 1875
Delta R.T. -0.000 min
Lab File: VY013064.D
Acq: 23 Mar 2023 16:48

Tgt Ion:105 Resp: 42758
Ion Ratio Lower Upper
105 100
134 27.6 10.4 31.1





#86

p-Isopropyltoluene

Concen: 18.908 ug/l

RT: 13.367 min Scan# 119

Delta R.T. -0.000 min

Lab File: VY013064.D

Acq: 23 Mar 2023 16:48

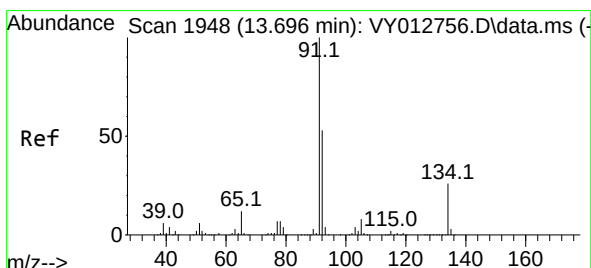
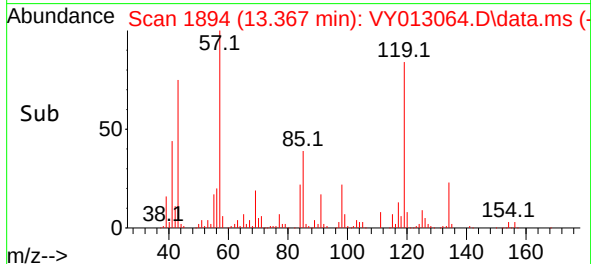
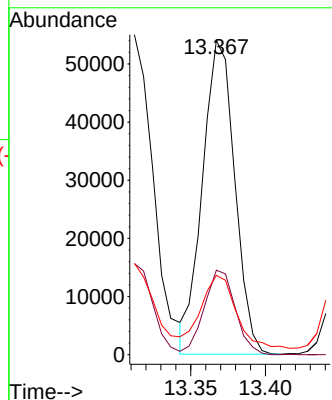
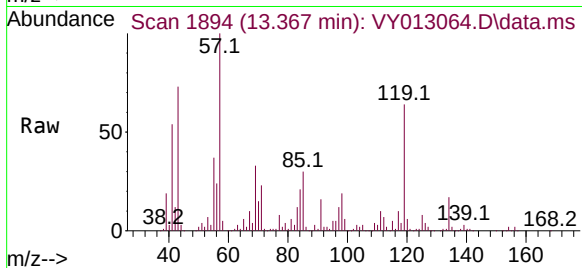
Instrument :

MSVOA_Y

ClientSampleId :

S-1

Tgt Ion:	119	Resp:	81000
Ion	Ratio	Lower	Upper
119	100		
134	26.0	13.2	39.6
91	25.1	11.8	35.3



#89

n-Butylbenzene

Concen: 5.661 ug/l

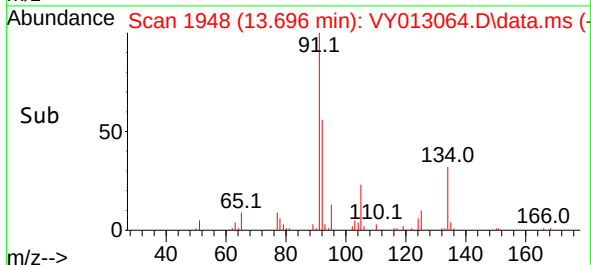
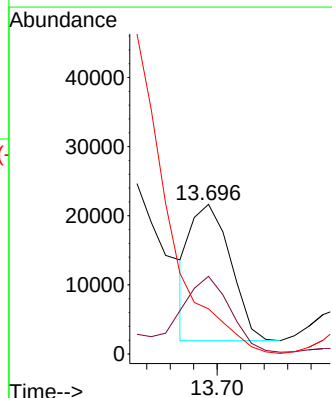
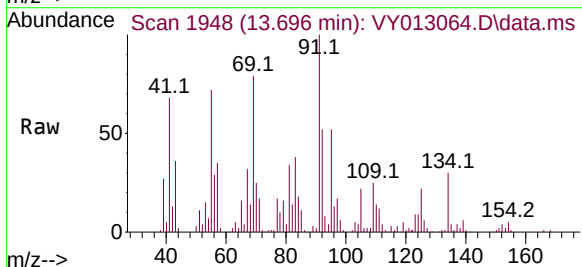
RT: 13.696 min Scan# 1948

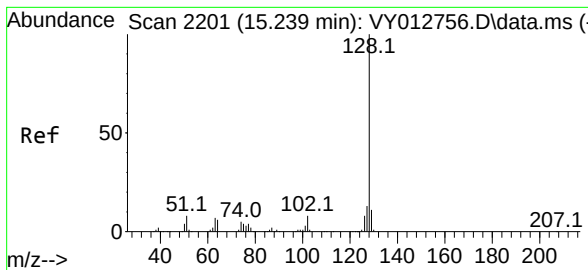
Delta R.T. -0.000 min

Lab File: VY013064.D

Acq: 23 Mar 2023 16:48

Tgt Ion:	91	Resp:	23215
Ion	Ratio	Lower	Upper
91	100		
92	81.3	26.4	79.0#
134	0.0	13.0	38.9#





#95
Naphthalene
Concen: 245.117 ug/l
RT: 15.233 min Scan# 21
Delta R.T. -0.006 min
Lab File: VY013064.D
Acq: 23 Mar 2023 16:48

Instrument :
MSVOA_Y
ClientSampleId :
S-1

Tgt Ion:128 Resp: 617866
Ion Ratio Lower Upper
128 100
127 13.2 10.3 15.5
129 11.0 8.6 13.0

