

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030923\
 Data File : VY012893.D
 Acq On : 09 Mar 2023 12:55
 Operator : KP/MD
 Sample : 01847-01
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-05-030823

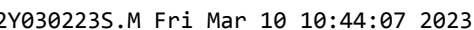
Quant Time: Mar 10 00:29:16 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y030223S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 03 01:13:13 2023
 Response via : Initial Calibration

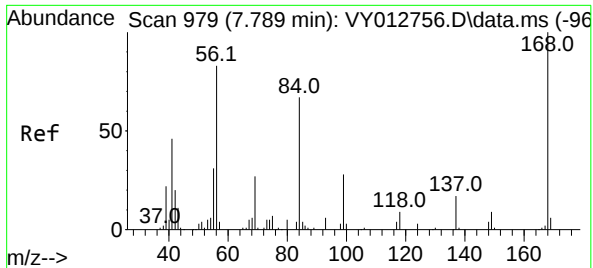
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.789	168	84366	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	140873	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	138216	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	67692	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	53185	63.493	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 126.980%	
35) Dibromofluoromethane	7.716	113	47121	55.426	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 110.860%	
50) Toluene-d8	10.179	98	172068	55.362	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 110.720%	
62) 4-Bromofluorobenzene	12.483	95	61809	58.920	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 117.840%	
Target Compounds						
52) Toluene	10.240	92	3777	1.554	ug/l	Qvalue 94
67) Ethyl Benzene	11.593	91	19801	3.882	ug/l	96
68) m/p-Xylenes	11.697	106	23687	12.073	ug/l	100
69) o-Xylene	12.026	106	23554	12.863	ug/l	99
73) Isopropylbenzene	12.331	105	10426	2.173	ug/l	96
78) n-propylbenzene	12.672	91	28005	4.735	ug/l	98
80) 1,3,5-Trimethylbenzene	12.812	105	48334	12.208	ug/l	98
84) 1,2,4-Trimethylbenzene	13.117	105	118171	30.524	ug/l	99
85) sec-Butylbenzene	13.251	105	24372	4.675	ug/l	91
86) p-Isopropyltoluene	13.367	119	15780	3.704	ug/l	98
89) n-Butylbenzene	13.696	91	20379	4.996	ug/l #	72

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

Quant Time: Mar 10 00:29:16 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

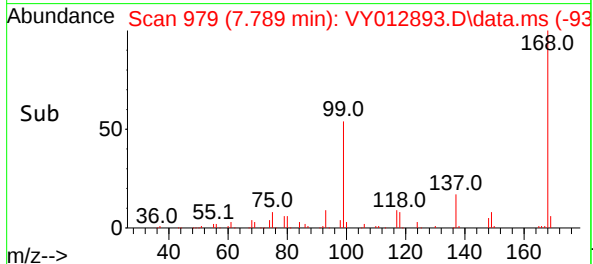
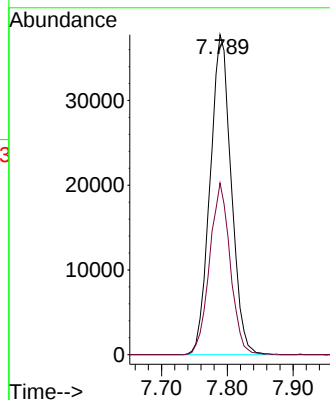
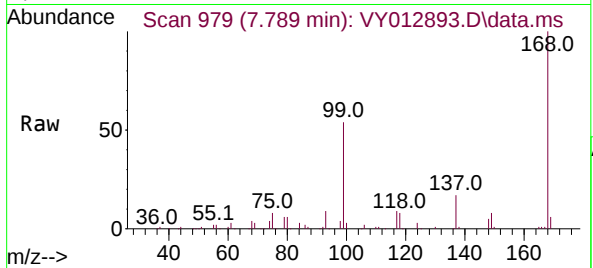




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012893.D
Acq: 09 Mar 2023 12:55

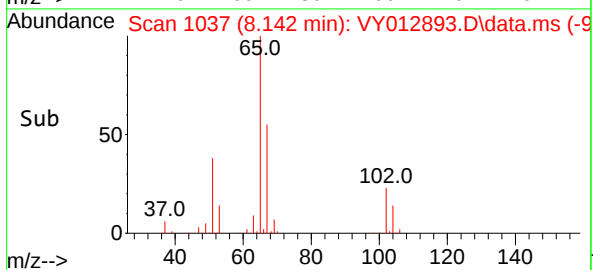
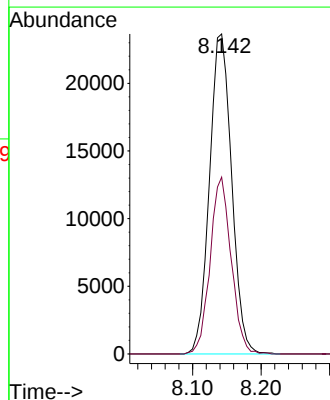
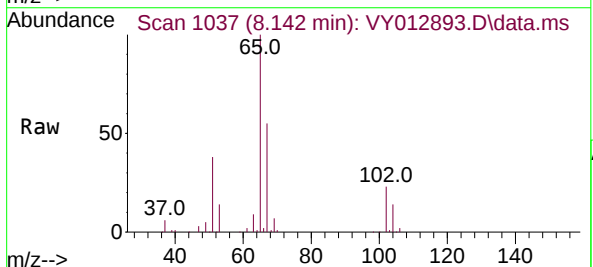
Instrument :
MSVOA_Y
ClientSampleId :
TR-05-030823

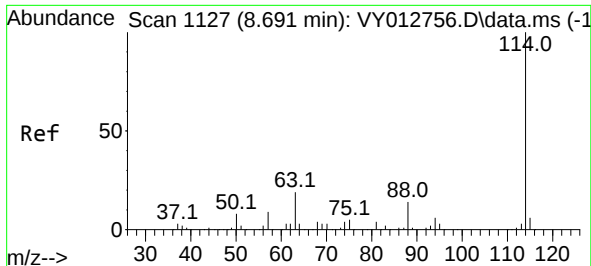
Tgt Ion:168 Resp: 84366
Ion Ratio Lower Upper
168 100
99 53.7 41.7 62.5



#33
1,2-Dichloroethane-d4
Concen: 63.493 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY012893.D
Acq: 09 Mar 2023 12:55

Tgt Ion: 65 Resp: 53185
Ion Ratio Lower Upper
65 100
67 52.4 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. -0.000 min

Lab File: VY012893.D

Acq: 09 Mar 2023 12:55

Instrument :

MSVOA_Y

ClientSampleId :

TR-05-030823

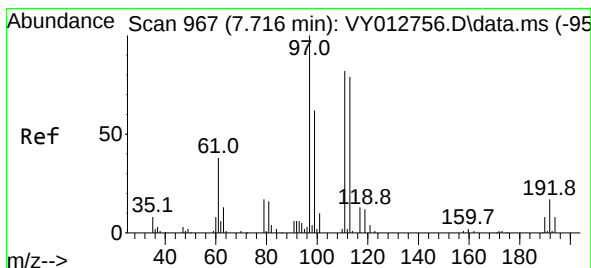
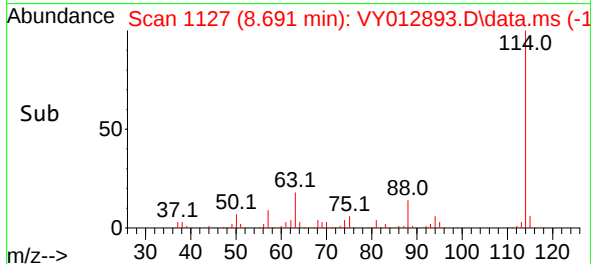
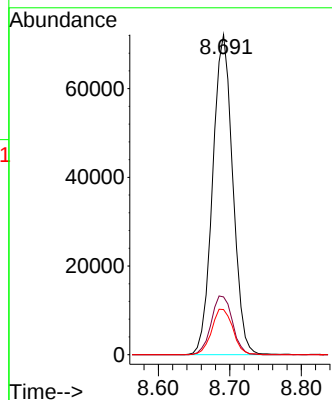
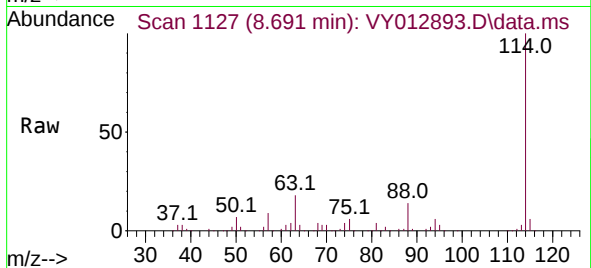
Tgt Ion:114 Resp: 140873

Ion Ratio Lower Upper

114 100

63 18.1 0.0 37.4

88 14.1 0.0 28.6



#35

Dibromofluoromethane

Concen: 55.426 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY012893.D

Acq: 09 Mar 2023 12:55

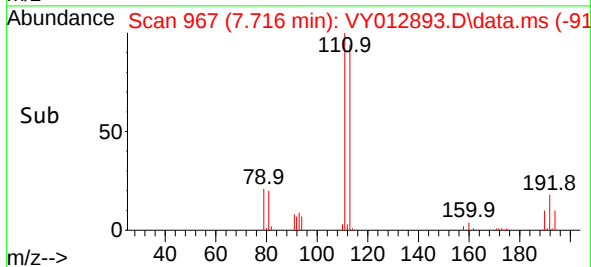
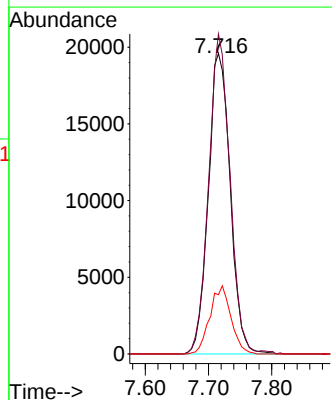
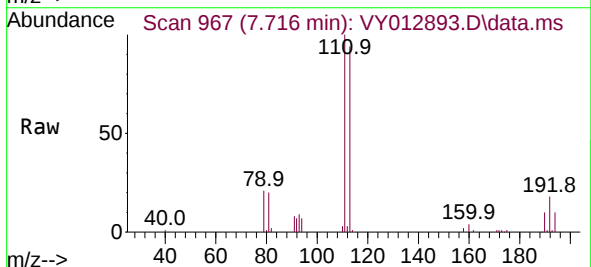
Tgt Ion:113 Resp: 47121

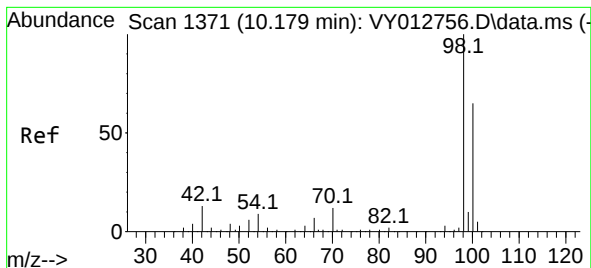
Ion Ratio Lower Upper

113 100

111 103.9 82.2 123.2

192 21.8 16.8 25.2





#50

Toluene-d8

Concen: 55.362 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY012893.D

Acq: 09 Mar 2023 12:55

Instrument :

MSVOA_Y

ClientSampleId :

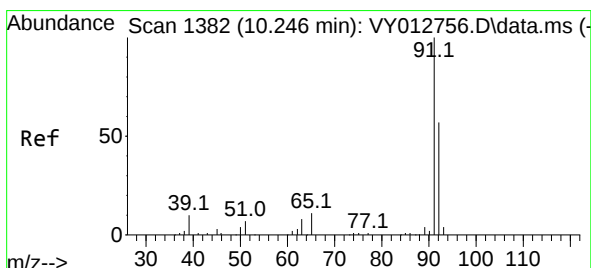
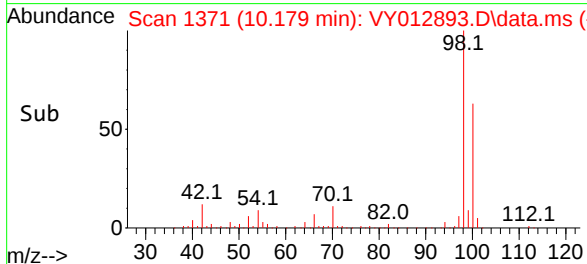
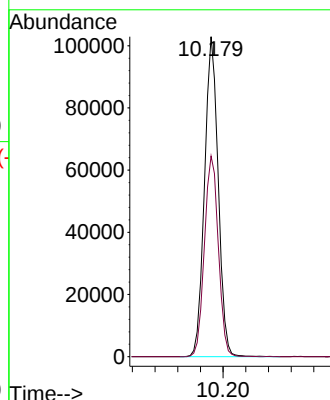
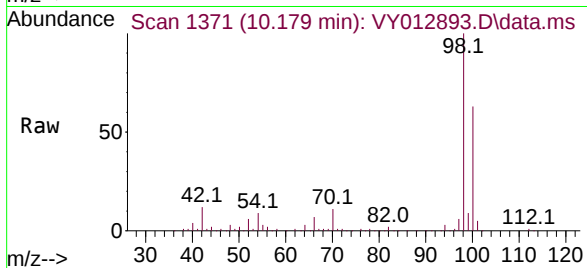
TR-05-030823

Tgt Ion: 98 Resp: 172068

Ion Ratio Lower Upper

98 100

100 63.9 50.9 76.3



#52

Toluene

Concen: 1.554 ug/l

RT: 10.240 min Scan# 1381

Delta R.T. -0.006 min

Lab File: VY012893.D

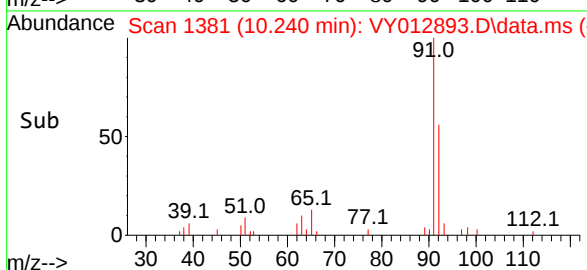
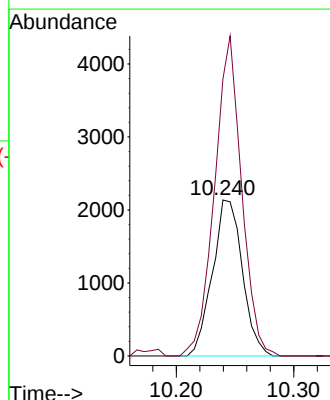
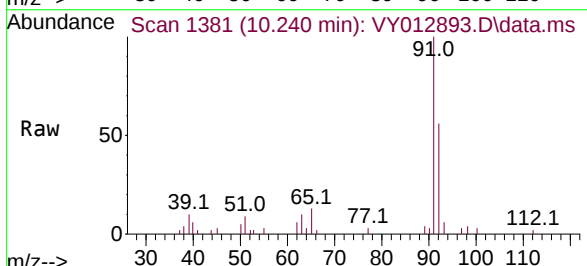
Acq: 09 Mar 2023 12:55

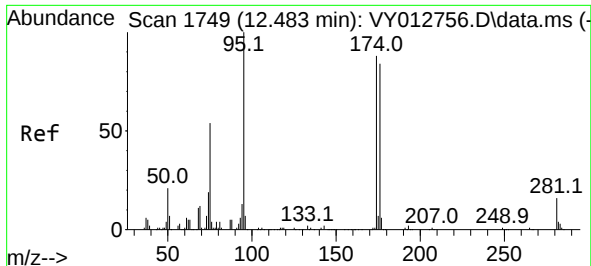
Tgt Ion: 92 Resp: 3777

Ion Ratio Lower Upper

92 100

91 185.7 141.3 211.9

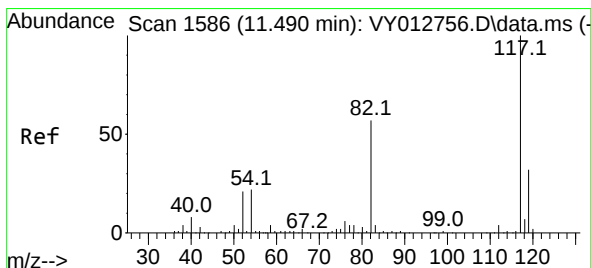
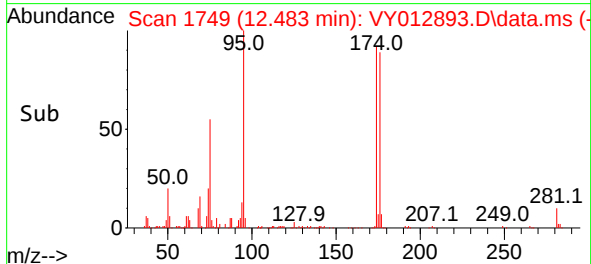
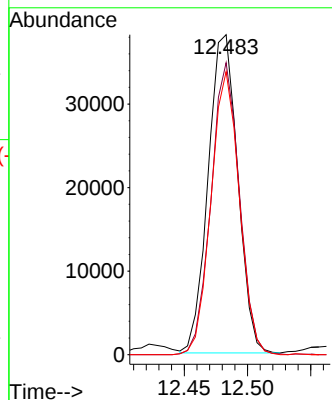
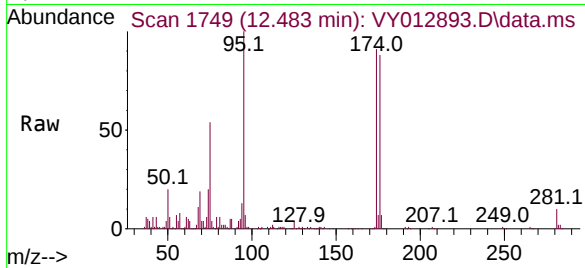




#62
4-Bromofluorobenzene
Concen: 58.920 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VY012893.D
Acq: 09 Mar 2023 12:55

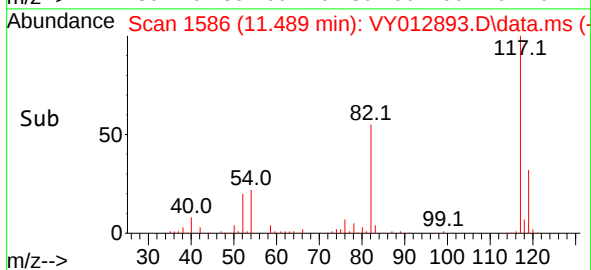
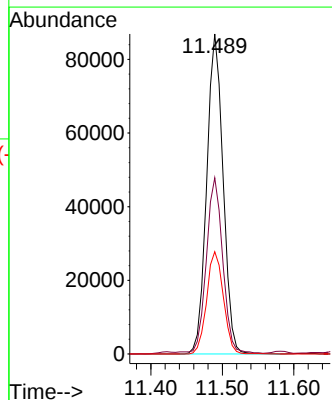
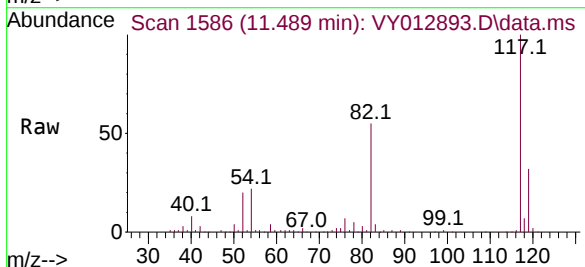
Instrument :
MSVOA_Y
ClientSampleId :
TR-05-030823

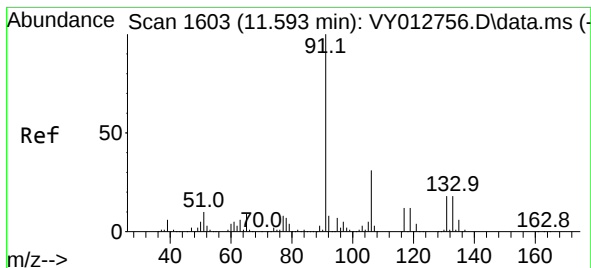
Tgt Ion: 95 Resp: 61809
Ion Ratio Lower Upper
95 100
174 87.9 0.0 176.6
176 85.1 0.0 170.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY012893.D
Acq: 09 Mar 2023 12:55

Tgt Ion: 117 Resp: 138216
Ion Ratio Lower Upper
117 100
82 54.4 45.4 68.0
119 31.9 25.6 38.4





#67

Ethyl Benzene

Concen: 3.882 ug/l

RT: 11.593 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY012893.D

Acq: 09 Mar 2023 12:55

Instrument :

MSVOA_Y

ClientSampleId :

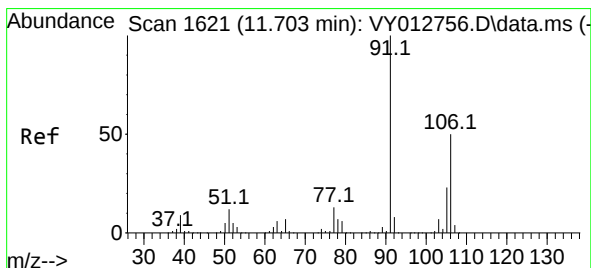
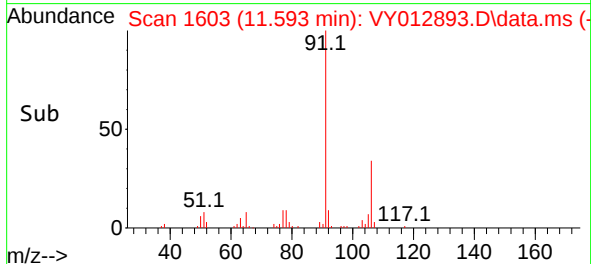
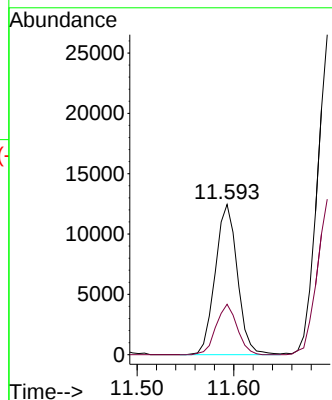
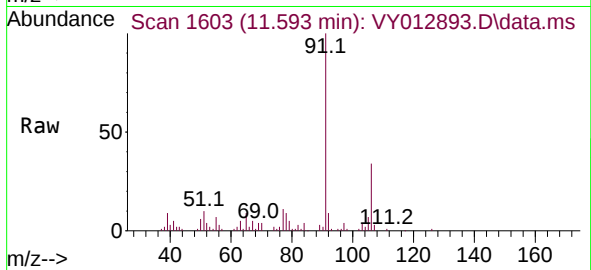
TR-05-030823

Tgt Ion: 91 Resp: 19801

Ion Ratio Lower Upper

91 100

106 33.6 25.1 37.7



#68

m/p-Xylenes

Concen: 12.073 ug/l

RT: 11.697 min Scan# 1620

Delta R.T. -0.006 min

Lab File: VY012893.D

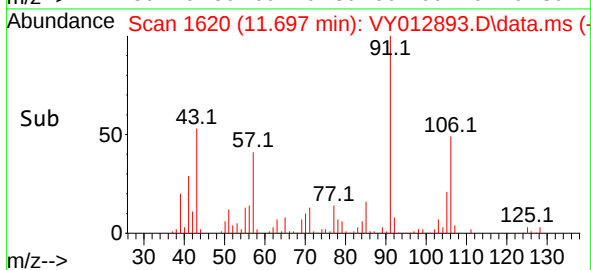
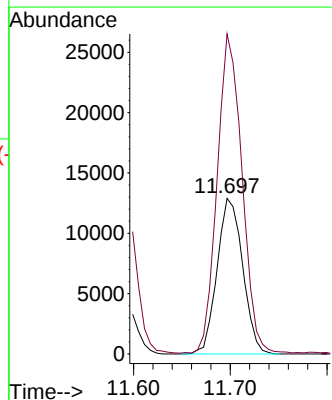
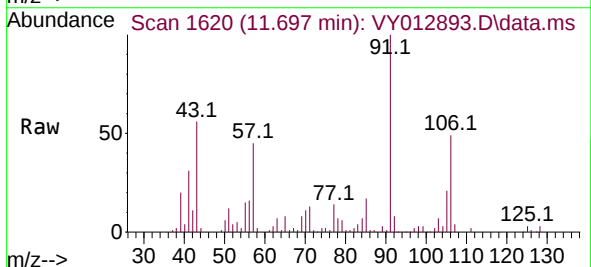
Acq: 09 Mar 2023 12:55

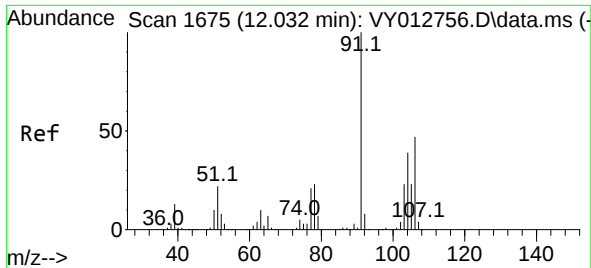
Tgt Ion: 106 Resp: 23687

Ion Ratio Lower Upper

106 100

91 199.5 159.8 239.8

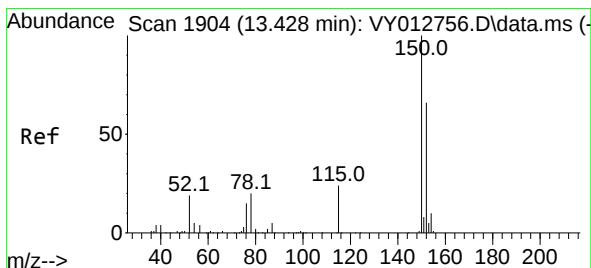
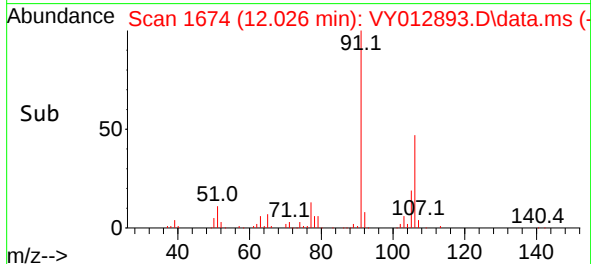
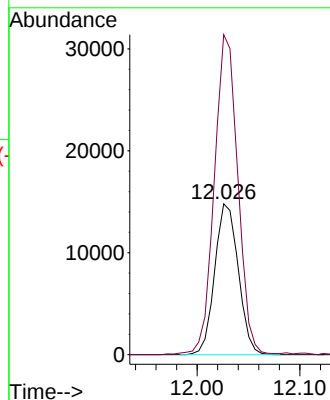
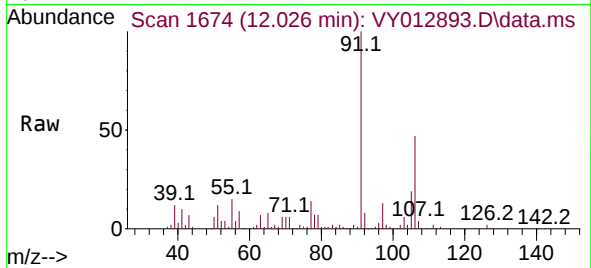




#69
o-Xylene
Concen: 12.863 ug/l
RT: 12.026 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY012893.D
Acq: 09 Mar 2023 12:55

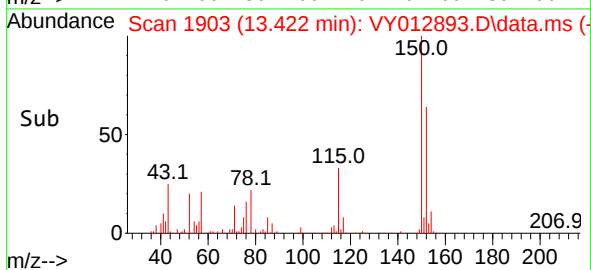
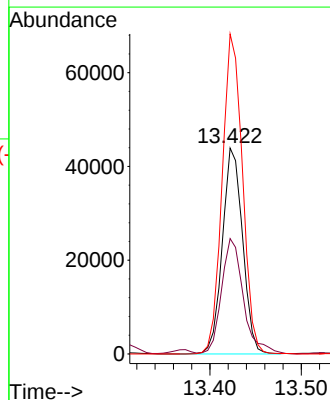
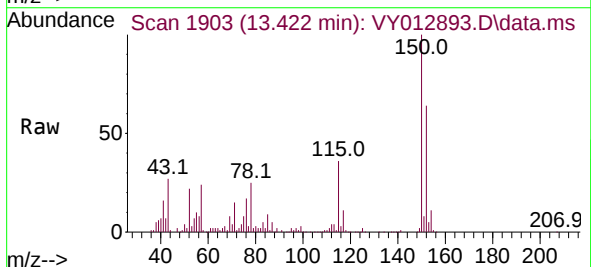
Instrument :
MSVOA_Y
ClientSampleId :
TR-05-030823

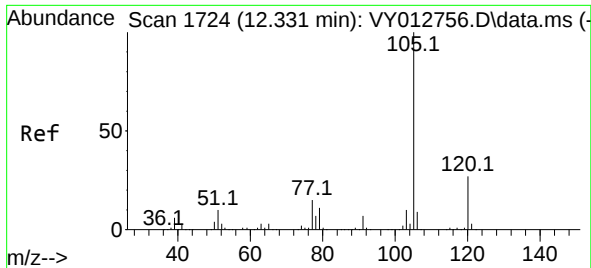
Tgt Ion:106 Resp: 23554
Ion Ratio Lower Upper
106 100
91 212.1 107.2 321.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.422 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VY012893.D
Acq: 09 Mar 2023 12:55

Tgt Ion:152 Resp: 67692
Ion Ratio Lower Upper
152 100
115 60.7 27.1 81.3
150 155.5 0.0 347.8

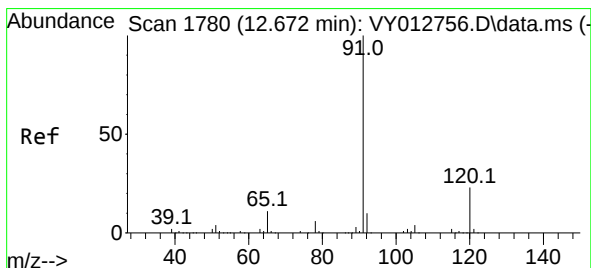
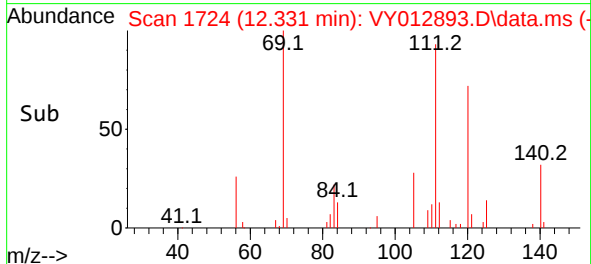
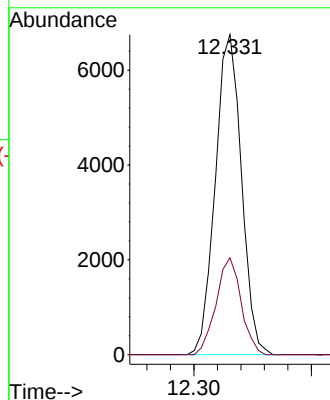
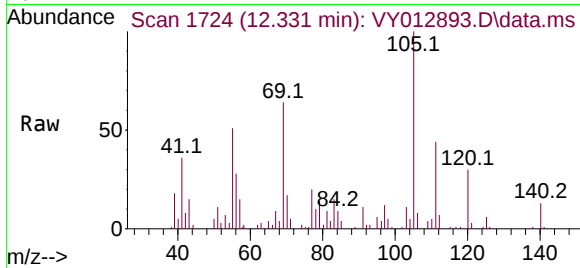




#73
Isopropylbenzene
Concen: 2.173 ug/l
RT: 12.331 min Scan# 1724
Delta R.T. -0.000 min
Lab File: VY012893.D
Acq: 09 Mar 2023 12:55

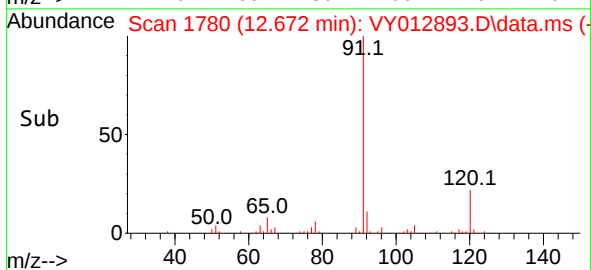
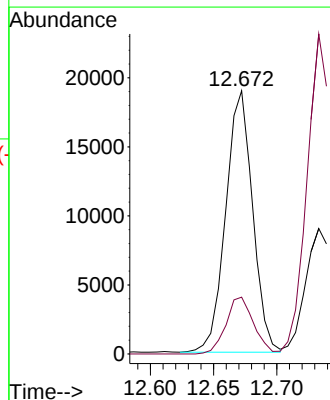
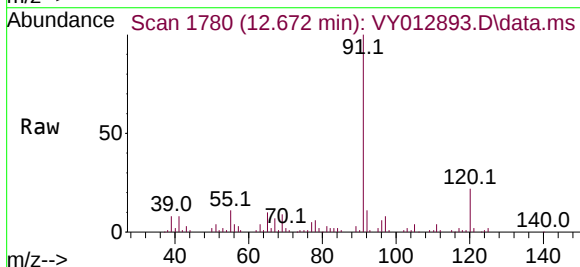
Instrument :
MSVOA_Y
ClientSampleId :
TR-05-030823

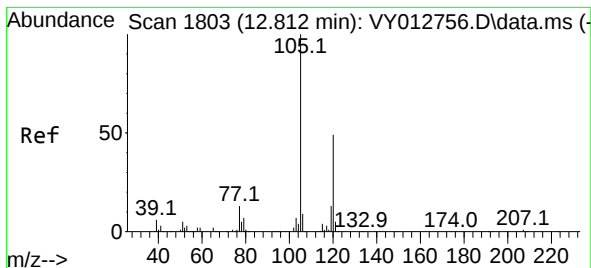
Tgt Ion:105 Resp: 10426
Ion Ratio Lower Upper
105 100
120 29.0 13.4 40.2



#78
n-propylbenzene
Concen: 4.735 ug/l
RT: 12.672 min Scan# 1780
Delta R.T. -0.000 min
Lab File: VY012893.D
Acq: 09 Mar 2023 12:55

Tgt Ion: 91 Resp: 28005
Ion Ratio Lower Upper
91 100
120 22.2 11.6 34.8





#80

1,3,5-Trimethylbenzene

Concen: 12.208 ug/l

RT: 12.812 min Scan# 1803

Delta R.T. -0.000 min

Lab File: VY012893.D

Acq: 09 Mar 2023 12:55

Instrument :

MSVOA_Y

ClientSampleId :

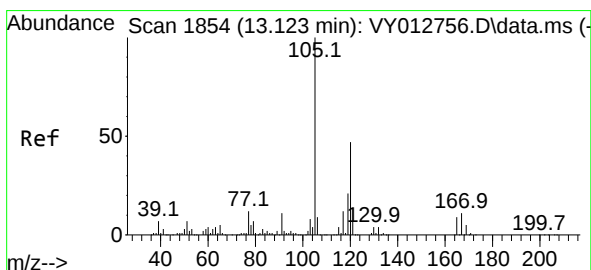
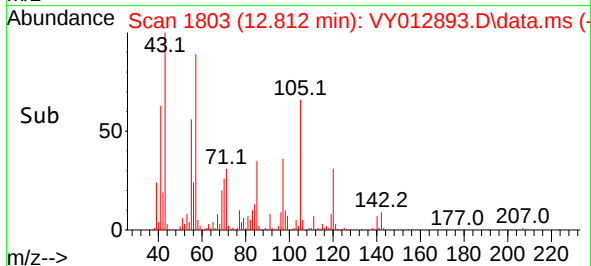
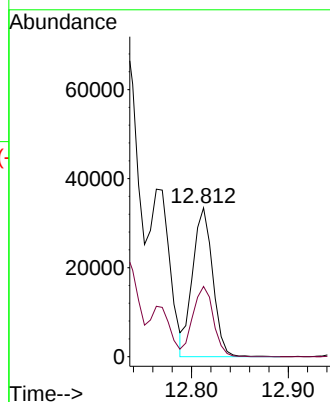
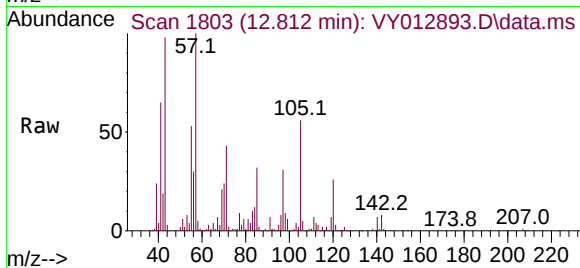
TR-05-030823

Tgt Ion:105 Resp: 48334

Ion Ratio Lower Upper

105 100

120 48.3 24.8 74.4



#84

1,2,4-Trimethylbenzene

Concen: 30.524 ug/l

RT: 13.117 min Scan# 1853

Delta R.T. -0.006 min

Lab File: VY012893.D

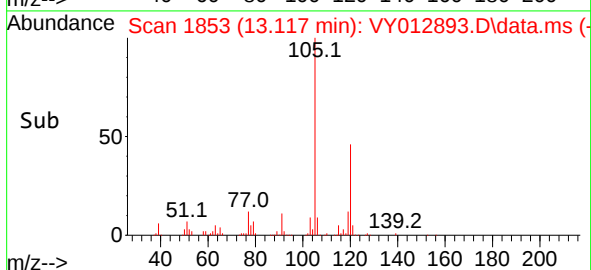
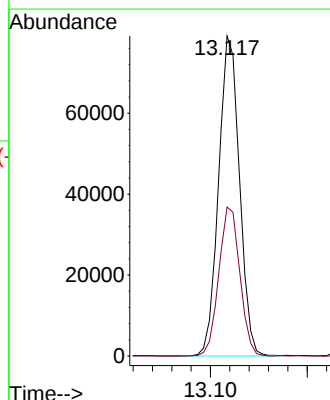
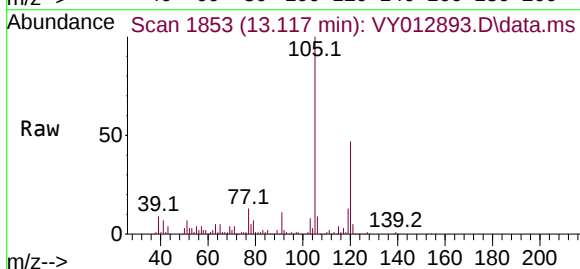
Acq: 09 Mar 2023 12:55

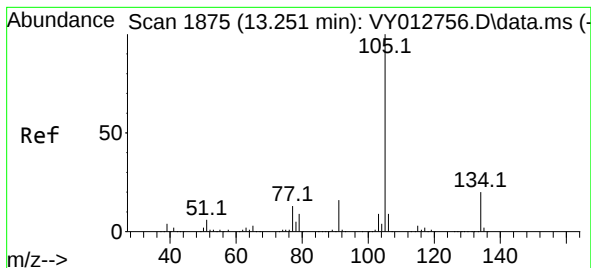
Tgt Ion:105 Resp: 118171

Ion Ratio Lower Upper

105 100

120 46.9 23.0 69.0





#85

sec-Butylbenzene

Concen: 4.675 ug/l

RT: 13.251 min Scan# 1875

Delta R.T. -0.000 min

Lab File: VY012893.D

Acq: 09 Mar 2023 12:55

Instrument :

MSVOA_Y

ClientSampleId :

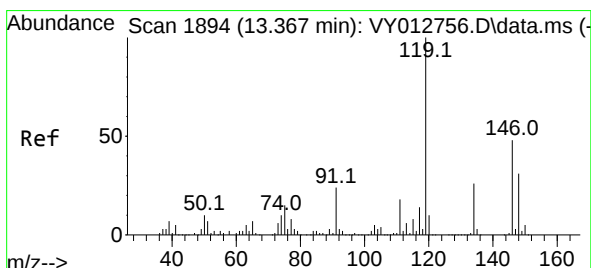
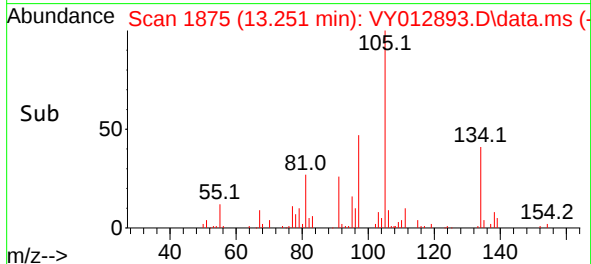
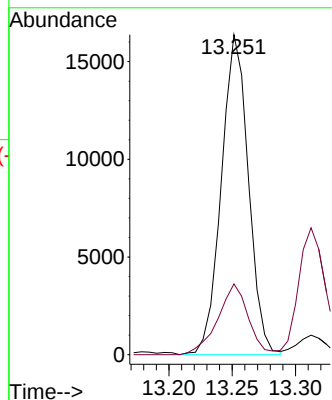
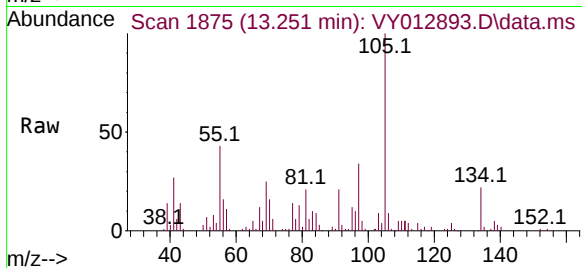
TR-05-030823

Tgt Ion:105 Resp: 24372

Ion Ratio Lower Upper

105 100

134 24.8 10.4 31.1



#86

p-Isopropyltoluene

Concen: 3.704 ug/l

RT: 13.367 min Scan# 1894

Delta R.T. -0.000 min

Lab File: VY012893.D

Acq: 09 Mar 2023 12:55

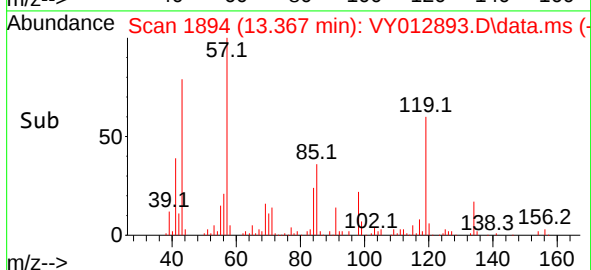
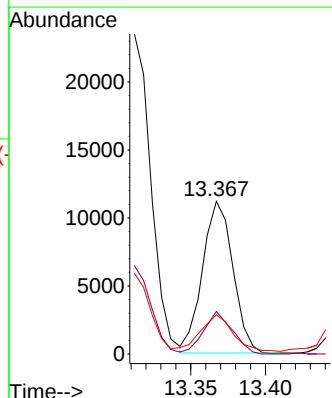
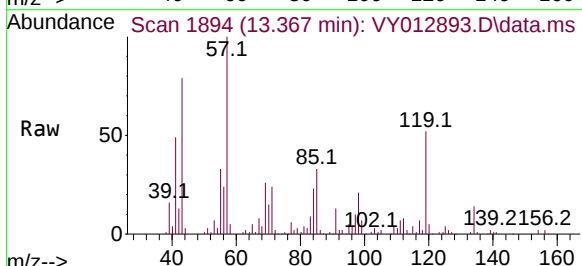
Tgt Ion:119 Resp: 15780

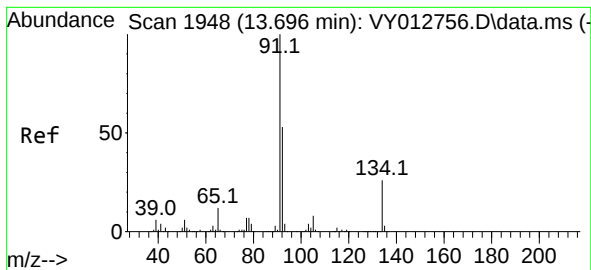
Ion Ratio Lower Upper

119 100

134 26.5 13.2 39.6

91 25.6 11.8 35.3





#89
 n-Butylbenzene
 Concen: 4.996 ug/l
 RT: 13.696 min Scan# 1948
 Delta R.T. -0.000 min
 Lab File: VY012893.D
 Acq: 09 Mar 2023 12:55

Instrument :
 MSVOA_Y
 ClientSampleId :
 TR-05-030823

Tgt Ion: 91 Resp: 20379
 Ion Ratio Lower Upper
 91 100
 92 64.4 26.4 79.0
 134 0.0 13.0 38.9#

