

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030623\
 Data File : VY012833.D
 Acq On : 06 Mar 2023 18:52
 Operator : KP/MD
 Sample : 01742-01
 Misc : 4.99g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RBR251669

Quant Time: Mar 07 04:27:41 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)

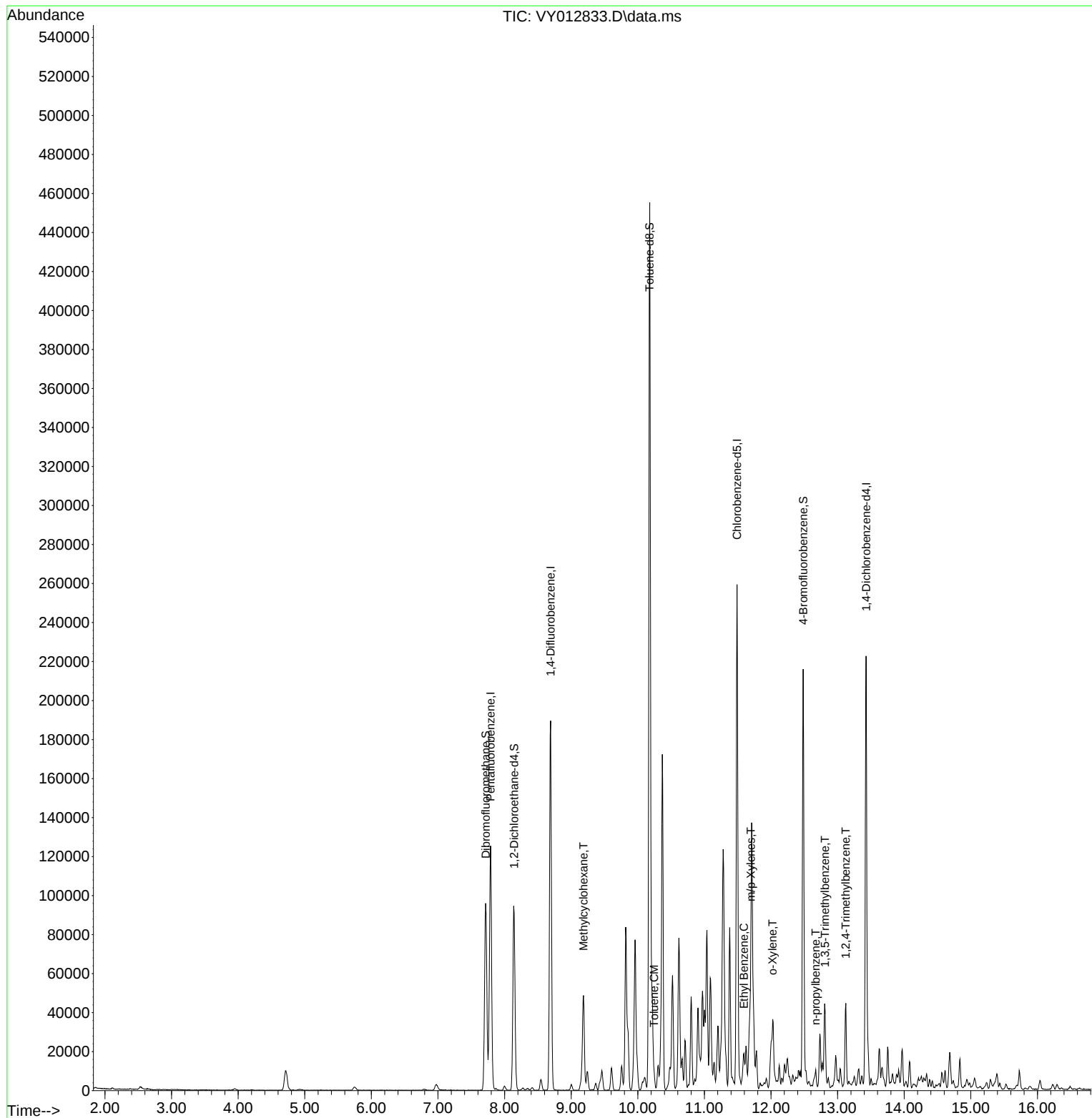
Internal Standards						
1) Pentafluorobenzene	7.789	168	96007	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	161980	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	134811	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	55282	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	72252	75.797	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 151.600%			
35) Dibromofluoromethane	7.716	113	67502	69.052	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 138.100%			
50) Toluene-d8	10.179	98	208478	58.336	ug/l	0.00
Spiked Amount 50.000	Range 49 - 140		Recovery = 116.680%			
62) 4-Bromofluorobenzene	12.483	95	57730	47.860	ug/l	0.00
Spiked Amount 50.000	Range 25 - 144		Recovery = 95.720%			
Target Compounds						Qvalue
39) Methylcyclohexane	9.185	83	17036	8.747	ug/l	90
52) Toluene	10.246	92	3294	1.179	ug/l	99
67) Ethyl Benzene	11.593	91	8462	1.701	ug/l	91
68) m/p-Xylenes	11.697	106	10780	5.633	ug/l	96
69) o-Xylene	12.026	106	6631	3.713	ug/l	96
78) n-propylbenzene	12.672	91	6166	1.277	ug/l	97
80) 1,3,5-Trimethylbenzene	12.812	105	6066	1.876	ug/l	99
84) 1,2,4-Trimethylbenzene	13.123	105	21527	6.809	ug/l	100

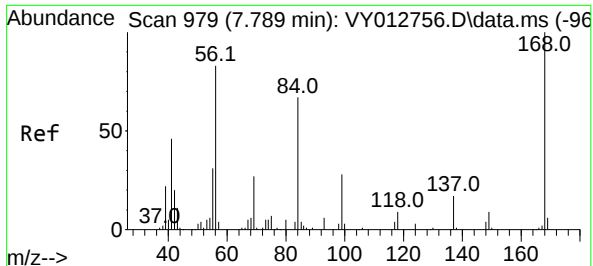
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY030623\
Data File : VY012833.D
Acq On : 06 Mar 2023 18:52
Operator : KP/MD
Sample : 01742-01
Misc : 4.99g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 24 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
RBR251669

Quant Time: Mar 07 04:27:41 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

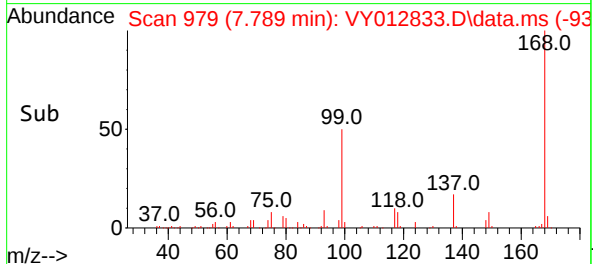
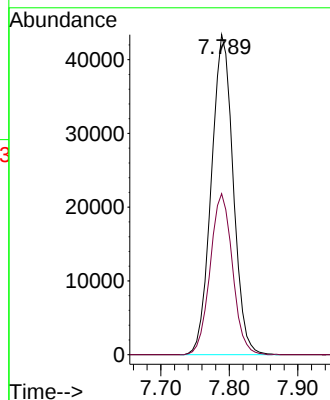
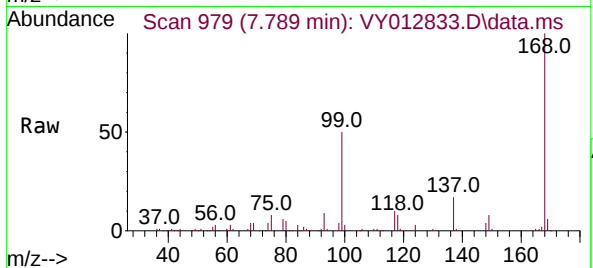




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012833.D
Acq: 06 Mar 2023 18:52

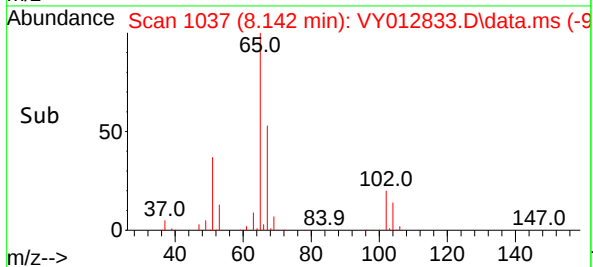
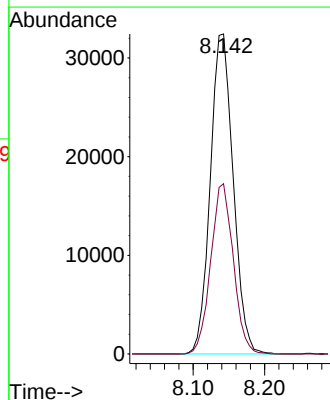
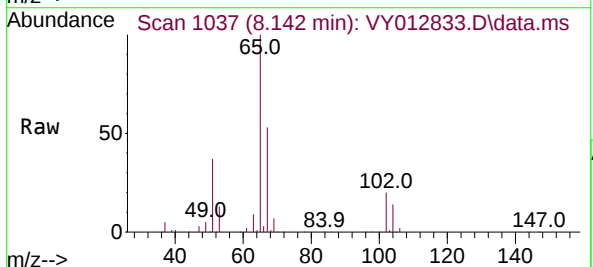
Instrument :
MSVOA_Y
ClientSampleId :
RBR251669

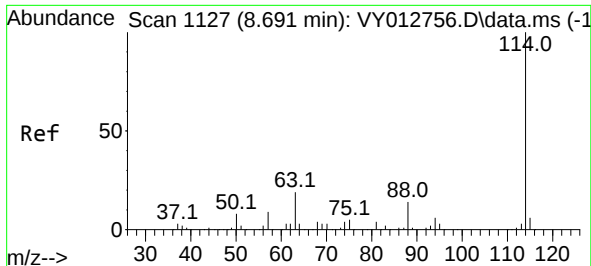
Tgt Ion:168 Resp: 96007
Ion Ratio Lower Upper
168 100
99 50.3 41.7 62.5



#33
1,2-Dichloroethane-d4
Concen: 75.797 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. -0.001 min
Lab File: VY012833.D
Acq: 06 Mar 2023 18:52

Tgt Ion: 65 Resp: 72252
Ion Ratio Lower Upper
65 100
67 52.3 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: VY012833.D

Acq: 06 Mar 2023 18:52

Instrument :

MSVOA_Y

ClientSampleId :

RBR251669

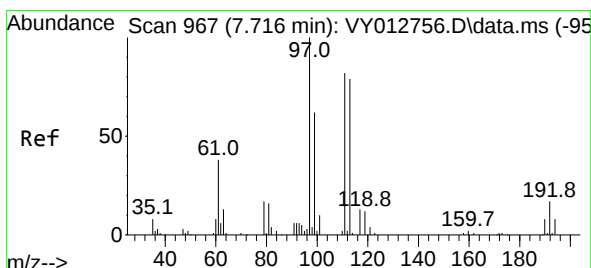
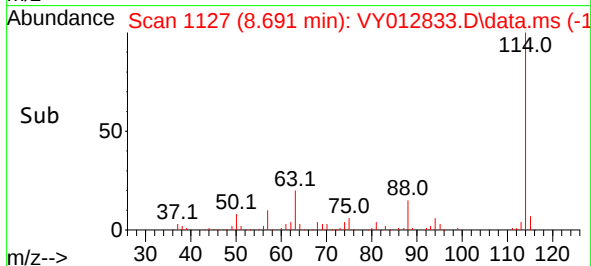
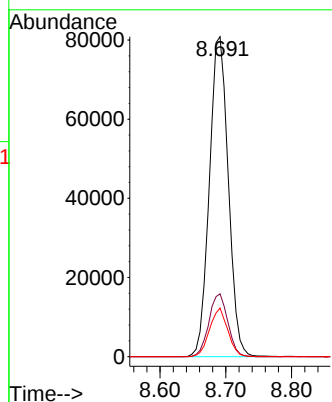
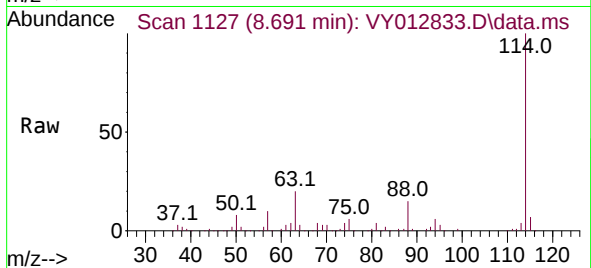
Tgt Ion:114 Resp: 161980

Ion Ratio Lower Upper

114 100

63 19.7 0.0 37.4

88 15.2 0.0 28.6



#35

Dibromofluoromethane

Concen: 69.052 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY012833.D

Acq: 06 Mar 2023 18:52

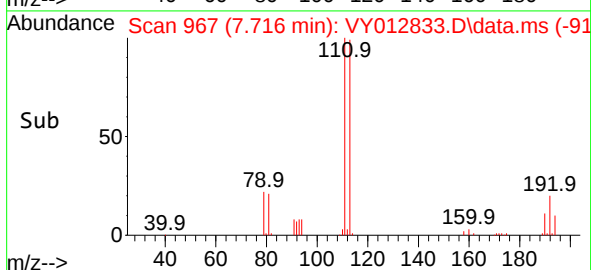
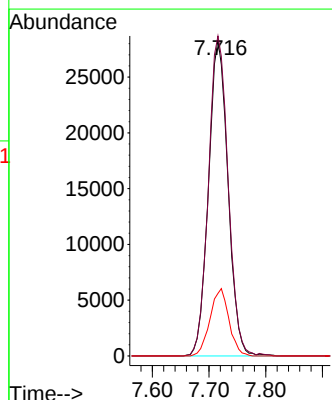
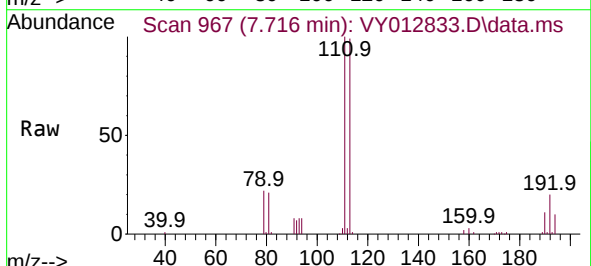
Tgt Ion:113 Resp: 67502

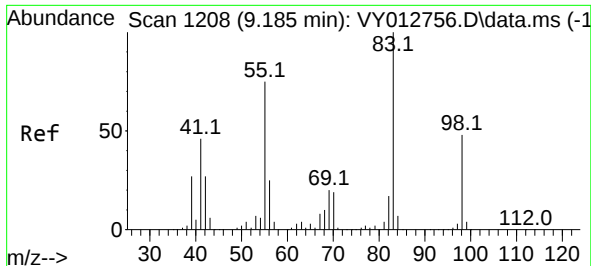
Ion Ratio Lower Upper

113 100

111 102.5 82.2 123.2

192 20.8 16.8 25.2





#39

Methylcyclohexane

Concen: 8.747 ug/l

RT: 9.185 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY012833.D

Acq: 06 Mar 2023 18:52

Instrument :

MSVOA_Y

ClientSampleId :

RBR251669

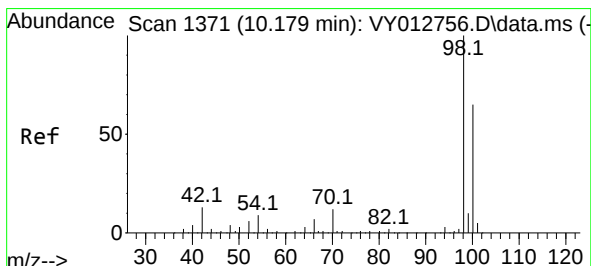
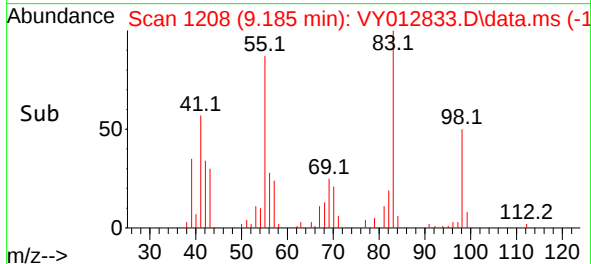
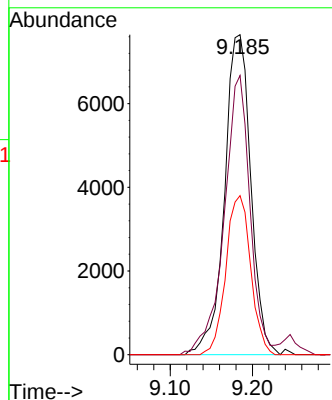
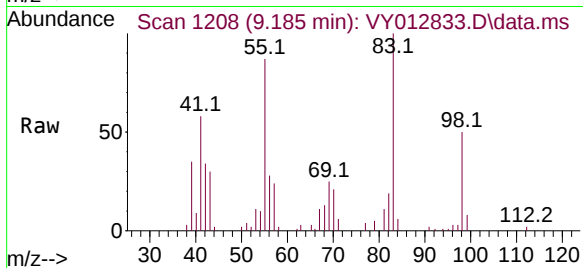
Tgt Ion: 83 Resp: 17036

Ion Ratio Lower Upper

83 100

55 87.3 60.0 90.0

98 49.7 38.3 57.5



#50

Toluene-d8

Concen: 58.336 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY012833.D

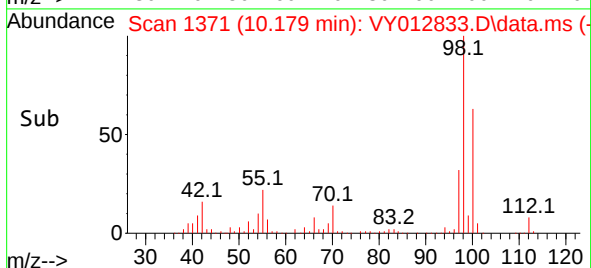
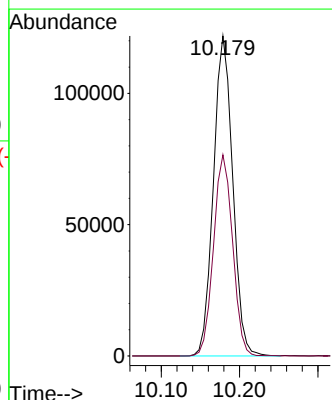
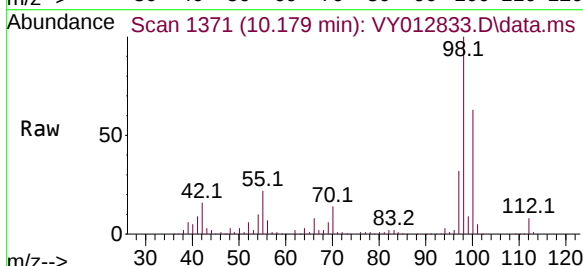
Acq: 06 Mar 2023 18:52

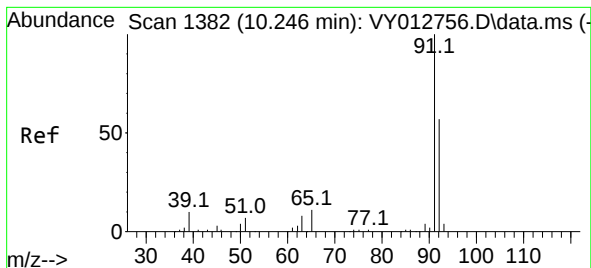
Tgt Ion: 98 Resp: 208478

Ion Ratio Lower Upper

98 100

100 62.3 50.9 76.3





#52

Toluene

Concen: 1.179 ug/l

RT: 10.246 min Scan# 1382

Delta R.T. -0.000 min

Lab File: VY012833.D

Acq: 06 Mar 2023 18:52

Instrument :

MSVOA_Y

ClientSampleId :

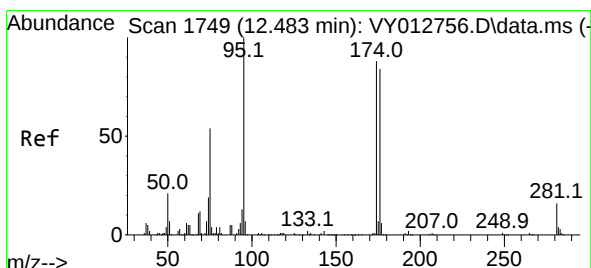
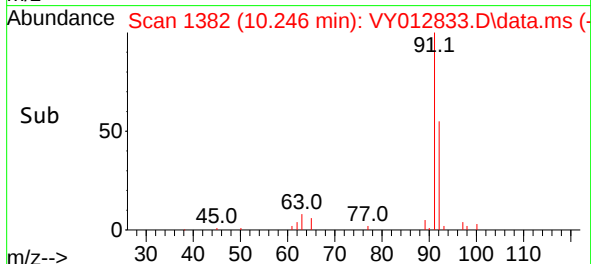
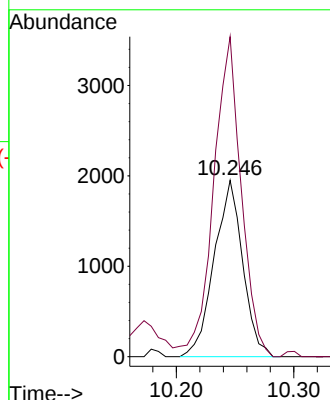
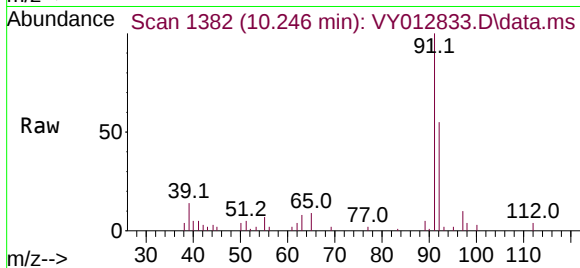
RBR251669

Tgt Ion: 92 Resp: 3294

Ion Ratio Lower Upper

92 100

91 175.8 141.3 211.9



#62

4-Bromofluorobenzene

Concen: 47.860 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. -0.000 min

Lab File: VY012833.D

Acq: 06 Mar 2023 18:52

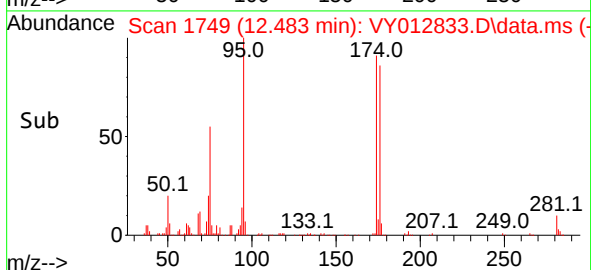
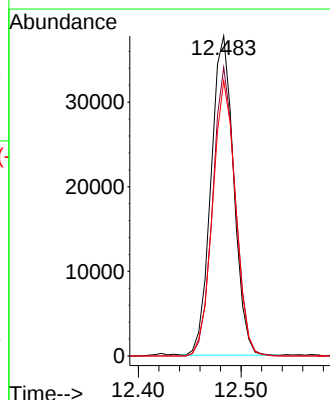
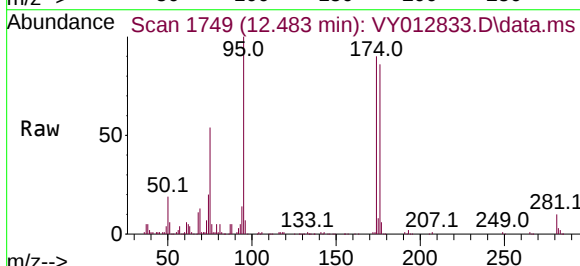
Tgt Ion: 95 Resp: 57730

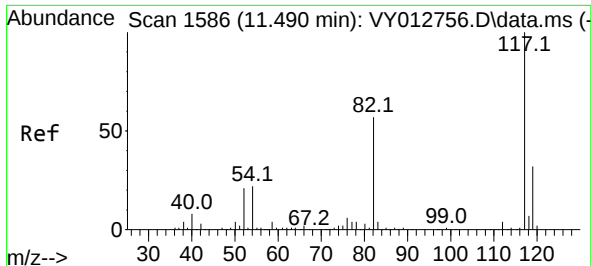
Ion Ratio Lower Upper

95 100

174 89.9 0.0 176.6

176 87.1 0.0 170.2

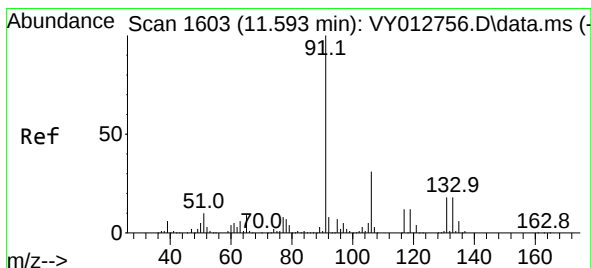
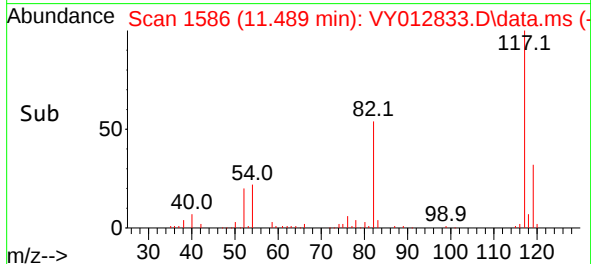
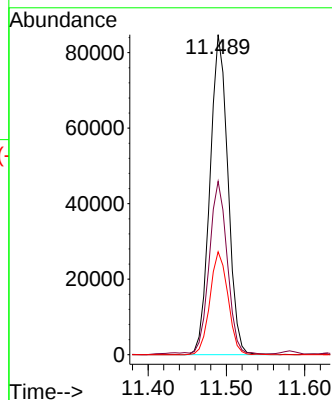
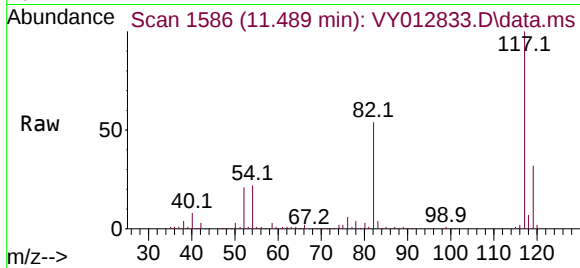




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. -0.000 min
Lab File: VY012833.D
Acq: 06 Mar 2023 18:52

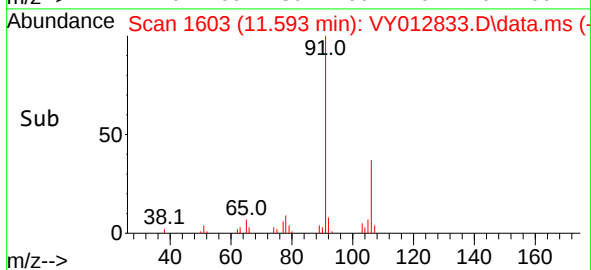
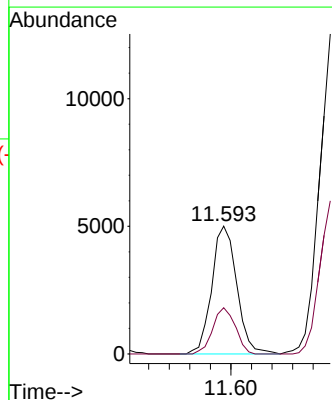
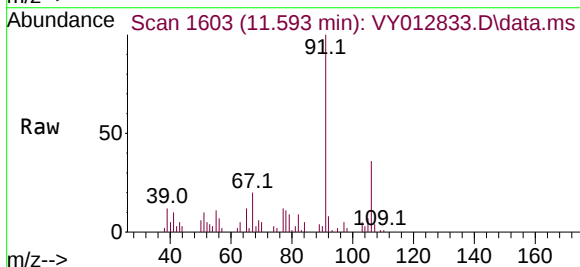
Instrument :
MSVOA_Y
ClientSampleId :
RBR251669

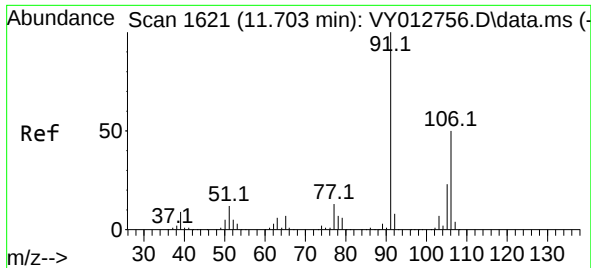
Tgt Ion:117 Resp: 134811
Ion Ratio Lower Upper
117 100
82 53.7 45.4 68.0
119 32.1 25.6 38.4



#67
Ethyl Benzene
Concen: 1.701 ug/l
RT: 11.593 min Scan# 1603
Delta R.T. -0.000 min
Lab File: VY012833.D
Acq: 06 Mar 2023 18:52

Tgt Ion: 91 Resp: 8462
Ion Ratio Lower Upper
91 100
106 36.2 25.1 37.7

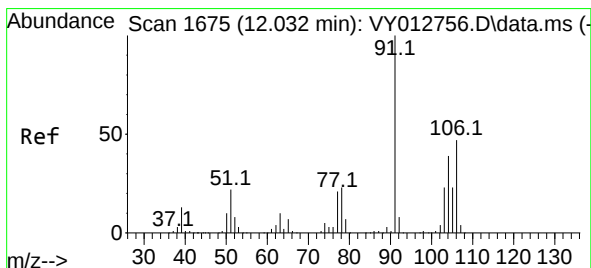
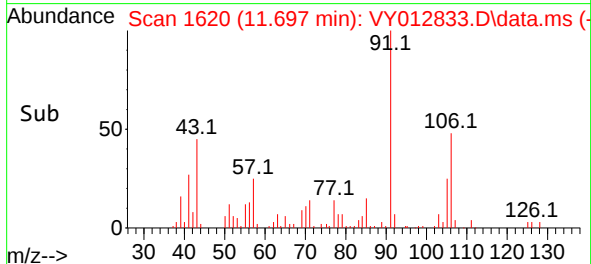
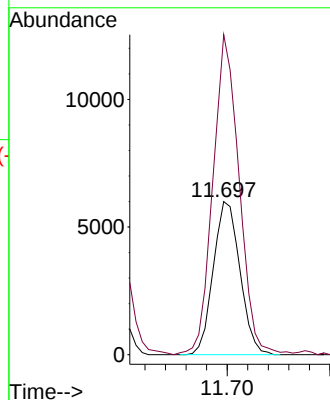
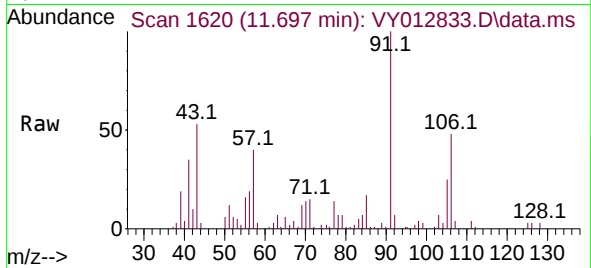




#68
m/p-Xylenes
Concen: 5.633 ug/l
RT: 11.697 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY012833.D
Acq: 06 Mar 2023 18:52

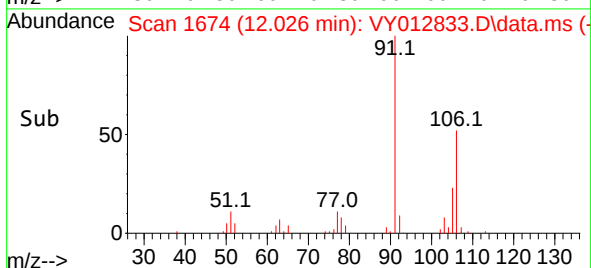
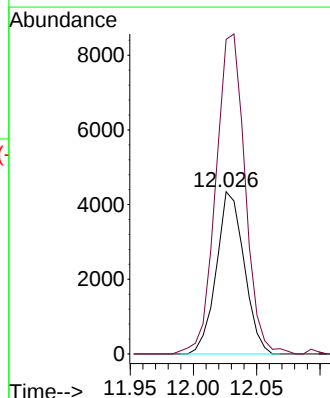
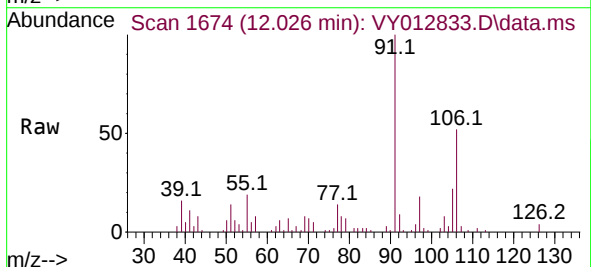
Instrument :
MSVOA_Y
ClientSampleId :
RBR251669

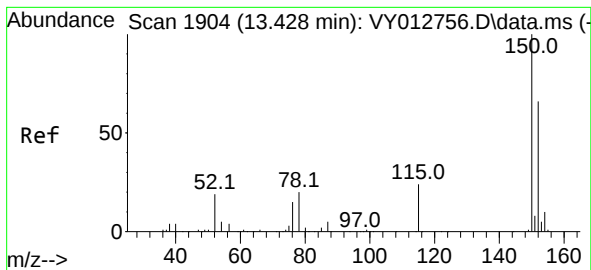
Tgt Ion:106 Resp: 10780
Ion Ratio Lower Upper
106 100
91 205.8 159.8 239.8



#69
o-Xylene
Concen: 3.713 ug/l
RT: 12.026 min Scan# 1674
Delta R.T. -0.006 min
Lab File: VY012833.D
Acq: 06 Mar 2023 18:52

Tgt Ion:106 Resp: 6631
Ion Ratio Lower Upper
106 100
91 207.4 107.2 321.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. -0.000 min

Lab File: VY012833.D

Acq: 06 Mar 2023 18:52

Instrument :

MSVOA_Y

ClientSampleId :

RBR251669

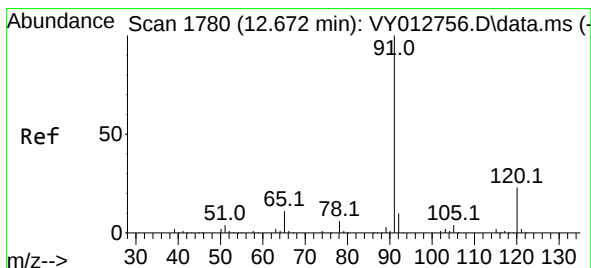
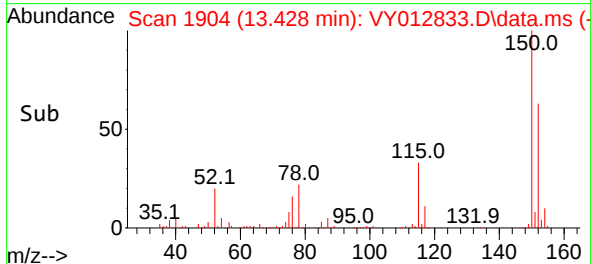
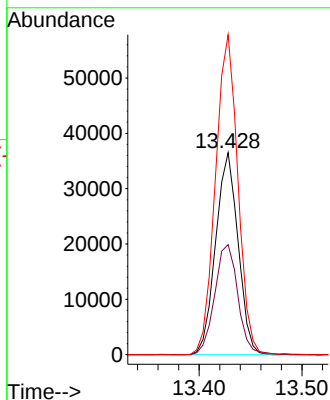
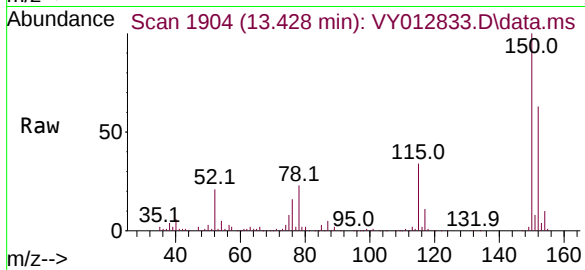
Tgt Ion:152 Resp: 55282

Ion Ratio Lower Upper

152 100

115 56.5 27.1 81.3

150 157.7 0.0 347.8



#78

n-propylbenzene

Concen: 1.277 ug/l

RT: 12.672 min Scan# 1780

Delta R.T. -0.000 min

Lab File: VY012833.D

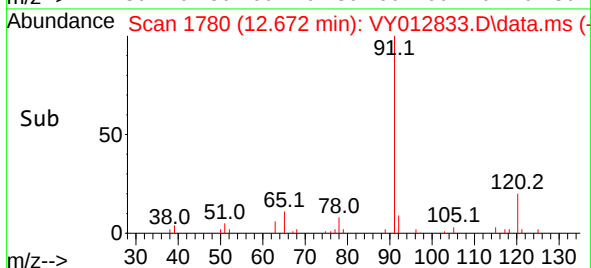
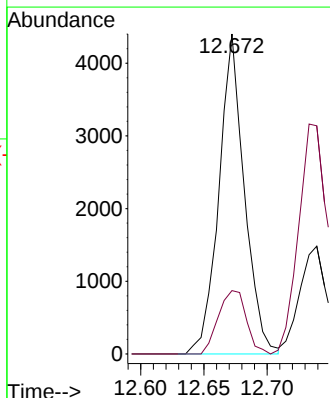
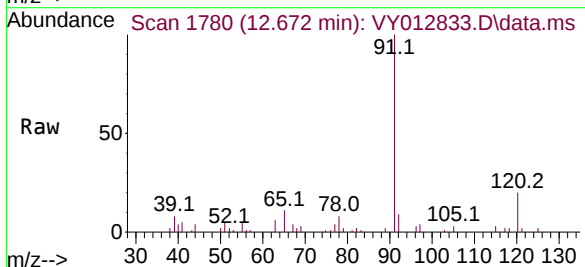
Acq: 06 Mar 2023 18:52

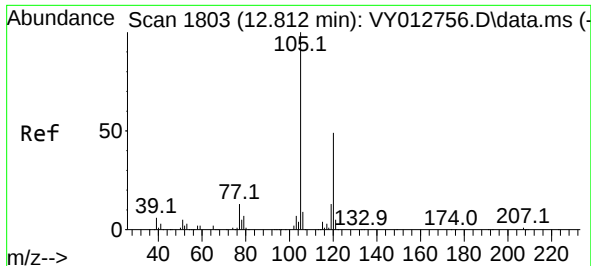
Tgt Ion: 91 Resp: 6166

Ion Ratio Lower Upper

91 100

120 21.7 11.6 34.8

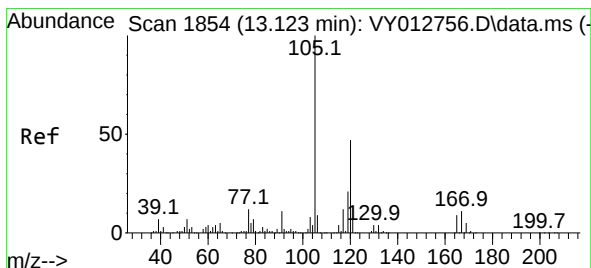
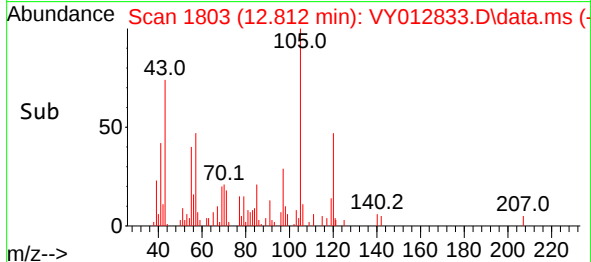
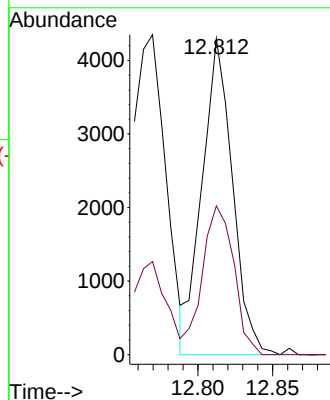
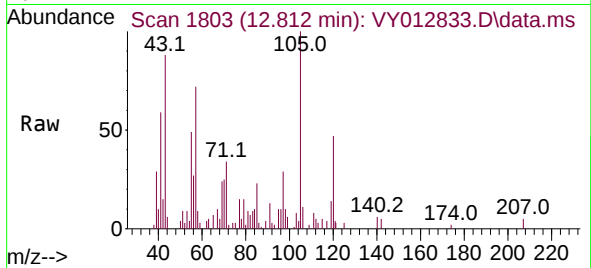




#80
1,3,5-Trimethylbenzene
Concen: 1.876 ug/l
RT: 12.812 min Scan# 1803
Delta R.T. -0.000 min
Lab File: VY012833.D
Acq: 06 Mar 2023 18:52

Instrument :
MSVOA_Y
ClientSampleId :
RBR251669

Tgt Ion:105 Resp: 6066
Ion Ratio Lower Upper
105 100
120 48.9 24.8 74.4



#84
1,2,4-Trimethylbenzene
Concen: 6.809 ug/l
RT: 13.123 min Scan# 1854
Delta R.T. -0.000 min
Lab File: VY012833.D
Acq: 06 Mar 2023 18:52

Tgt Ion:105 Resp: 21527
Ion Ratio Lower Upper
105 100
120 46.3 23.0 69.0

