

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY092023\
 Data File : VY015652.D
 Acq On : 20 Sep 2023 12:35
 Operator : SY/MD
 Sample : 04491-07RE
 Misc : 5.35g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B102-03(2.5-3)RE

Quant Time: Sep 21 03:39:26 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y091923S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 20 01:39:40 2023
 Response via : Initial Calibration

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

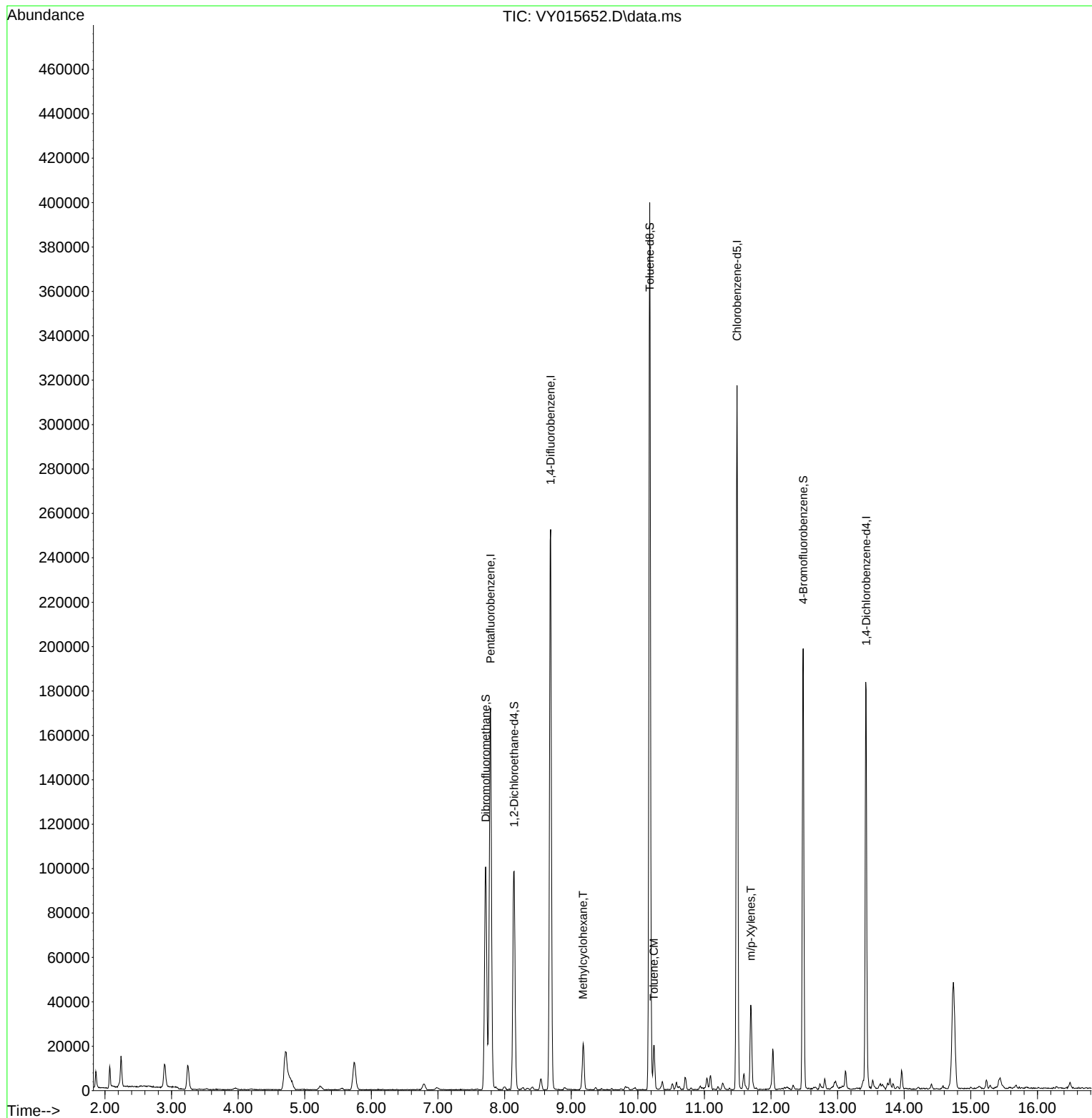
Internal Standards						
1) Pentafluorobenzene	7.789	168	130075	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	219474	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	171616	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	47451	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	79229	55.359	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 110.720%	
35) Dibromofluoromethane	7.716	113	71452	54.393	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 108.780%	
50) Toluene-d8	10.179	98	252297	56.645	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 113.280%	
62) 4-Bromofluorobenzene	12.483	95	59287	33.919	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 67.840%	
Target Compounds						
					Qvalue	
39) Methylcyclohexane	9.179	83	8525	3.968	ug/l	91
52) Toluene	10.240	92	8534	2.235	ug/l	98
68) m/p-Xylenes	11.697	106	11380	4.573	ug/l	95

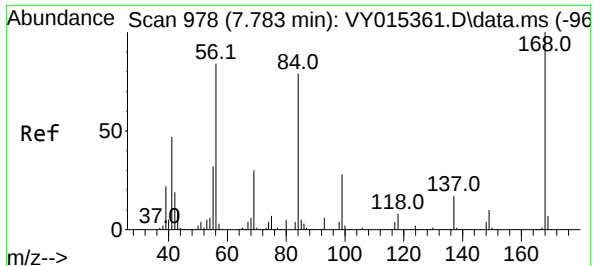
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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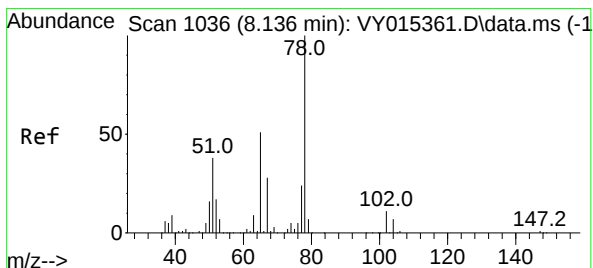
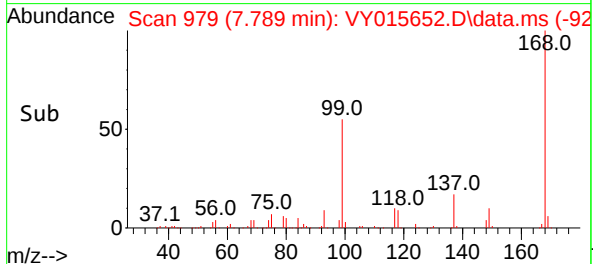
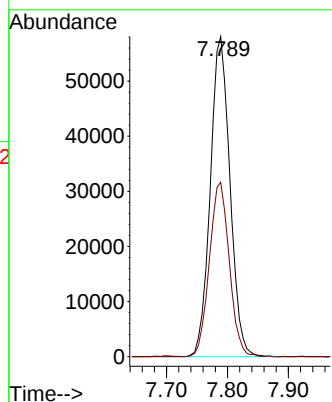
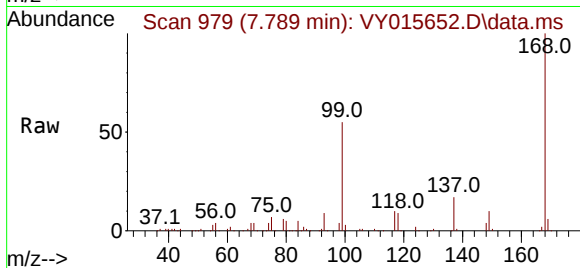




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015652.D
Acq: 20 Sep 2023 12:35

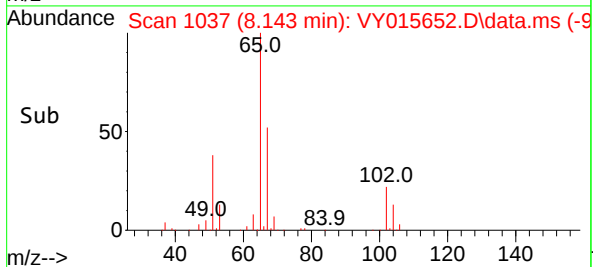
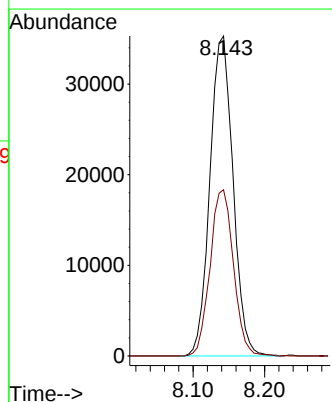
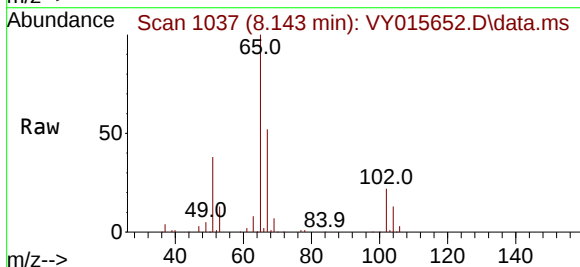
Instrument :
MSVOA_Y
ClientSampleId :
B102-03(2.5-3)RE

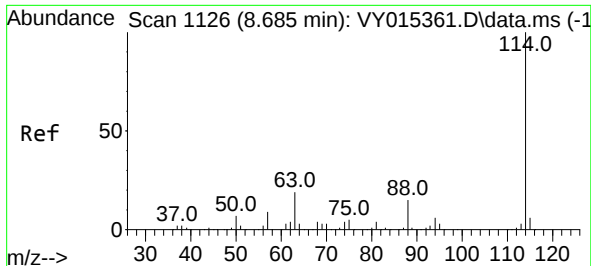
Tgt Ion:168 Resp: 130075
Ion Ratio Lower Upper
168 100
99 54.5 43.4 65.0



#33
1,2-Dichloroethane-d4
Concen: 55.359 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.007 min
Lab File: VY015652.D
Acq: 20 Sep 2023 12:35

Tgt Ion: 65 Resp: 79229
Ion Ratio Lower Upper
65 100
67 52.6 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1126

Delta R.T. 0.006 min

Lab File: VY015652.D

Acq: 20 Sep 2023 12:35

Instrument :

MSVOA_Y

ClientSampleId :

B102-03(2.5-3)RE

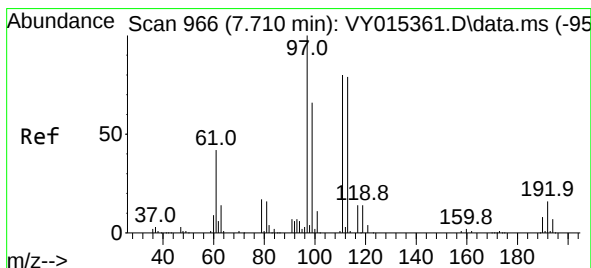
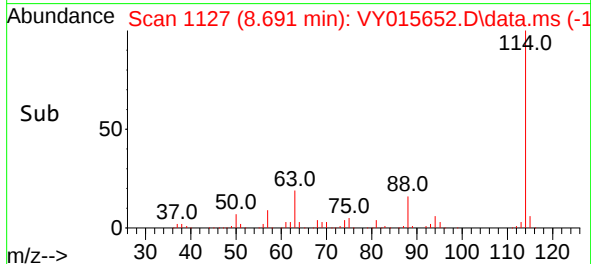
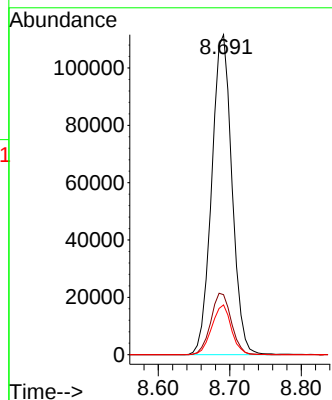
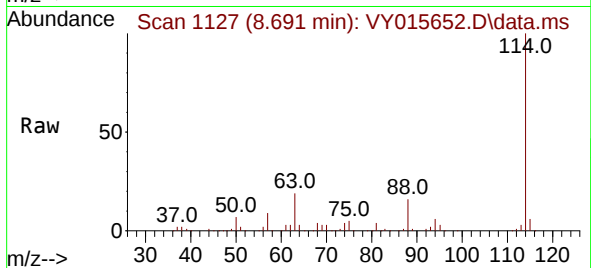
Tgt Ion:114 Resp: 219474

Ion Ratio Lower Upper

114 100

63 18.7 0.0 42.4

88 15.5 0.0 30.6



#35

Dibromofluoromethane

Concen: 54.393 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY015652.D

Acq: 20 Sep 2023 12:35

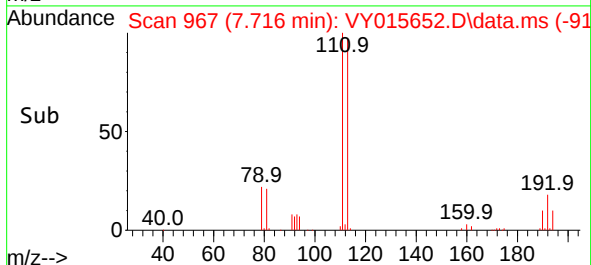
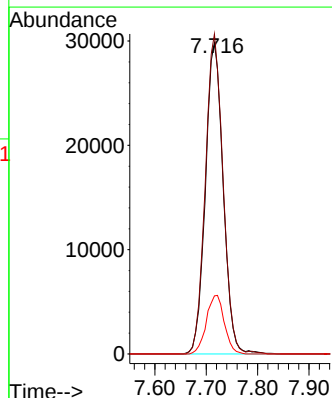
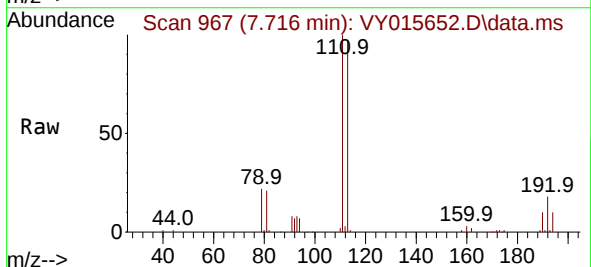
Tgt Ion:113 Resp: 71452

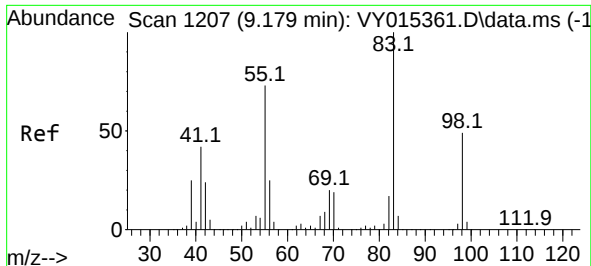
Ion Ratio Lower Upper

113 100

111 102.6 81.3 121.9

192 19.0 16.9 25.3





#39

Methylcyclohexane

Concen: 3.968 ug/l

RT: 9.179 min Scan# 1207

Delta R.T. -0.000 min

Lab File: VY015652.D

Acq: 20 Sep 2023 12:35

Instrument :

MSVOA_Y

ClientSampleId :

B102-03(2.5-3)RE

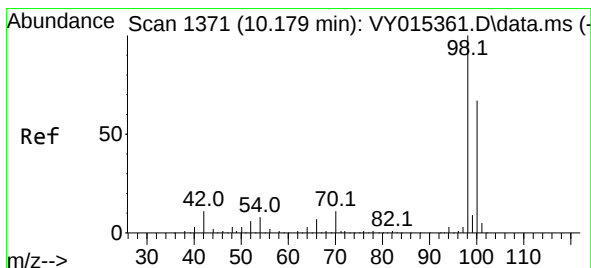
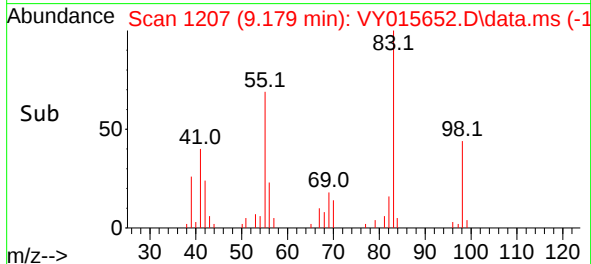
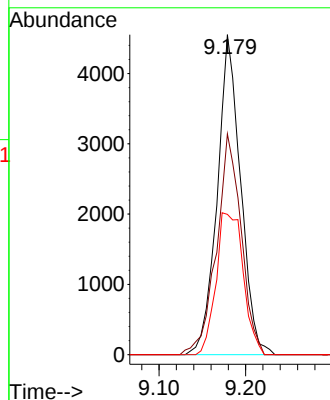
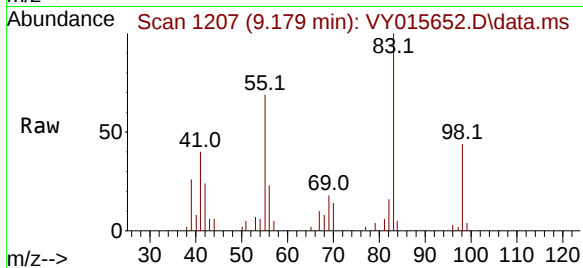
Tgt Ion: 83 Resp: 8525

Ion Ratio Lower Upper

83 100

55 69.0 63.0 94.4

98 43.9 37.4 56.2



#50

Toluene-d8

Concen: 56.645 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY015652.D

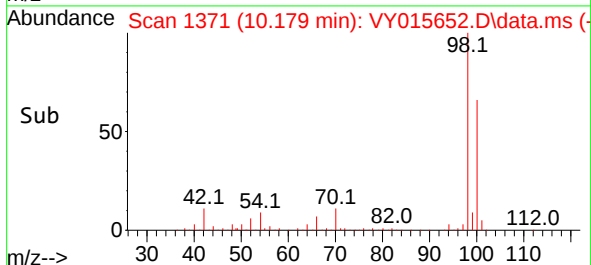
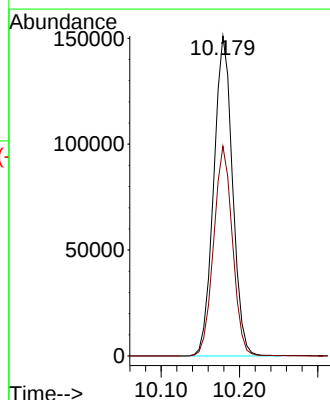
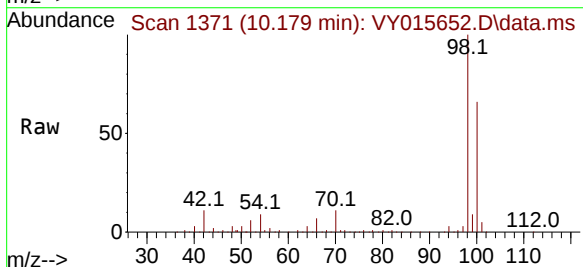
Acq: 20 Sep 2023 12:35

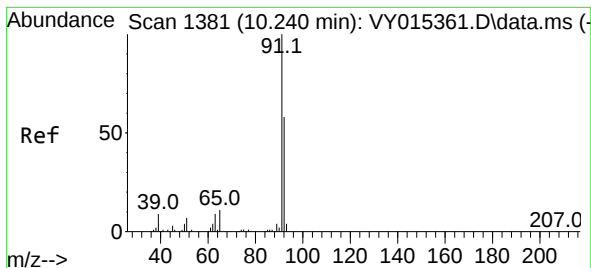
Tgt Ion: 98 Resp: 252297

Ion Ratio Lower Upper

98 100

100 65.3 50.1 75.1





#52

Toluene

Concen: 2.235 ug/l

RT: 10.240 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY015652.D

Acq: 20 Sep 2023 12:35

Instrument :

MSVOA_Y

ClientSampleId :

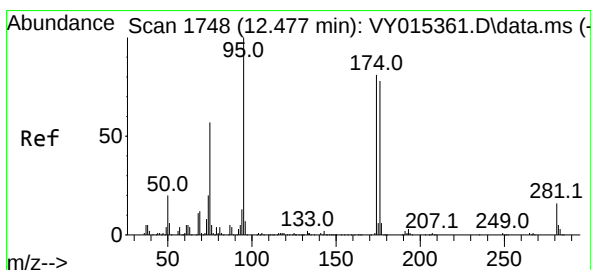
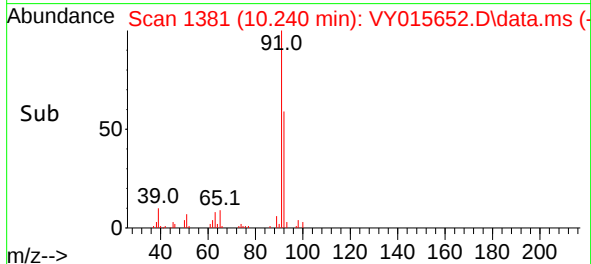
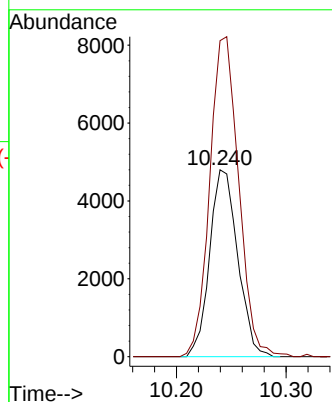
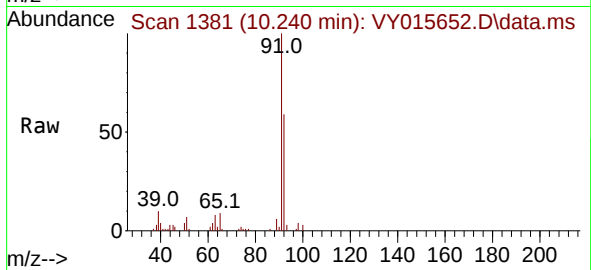
B102-03(2.5-3)RE

Tgt Ion: 92 Resp: 8534

Ion Ratio Lower Upper

92 100

91 176.6 143.8 215.6



#62

4-Bromofluorobenzene

Concen: 33.919 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.006 min

Lab File: VY015652.D

Acq: 20 Sep 2023 12:35

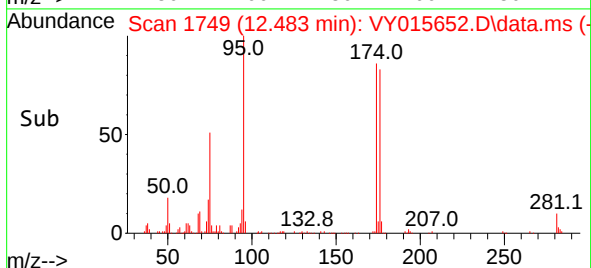
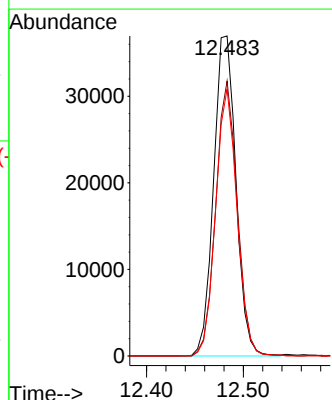
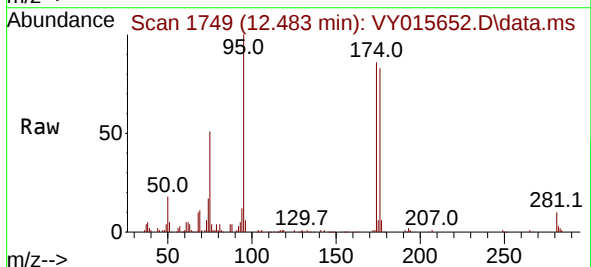
Tgt Ion: 95 Resp: 59287

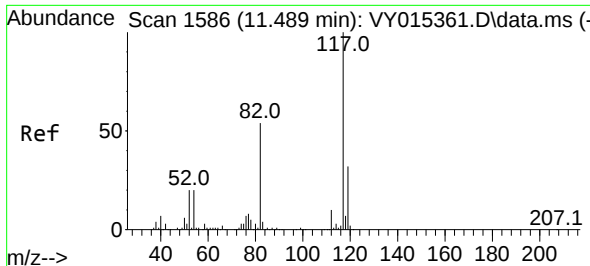
Ion Ratio Lower Upper

95 100

174 82.6 0.0 178.2

176 79.9 0.0 173.8

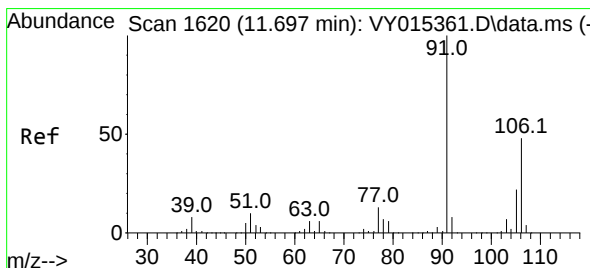
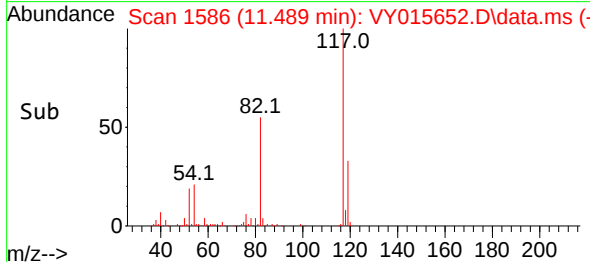
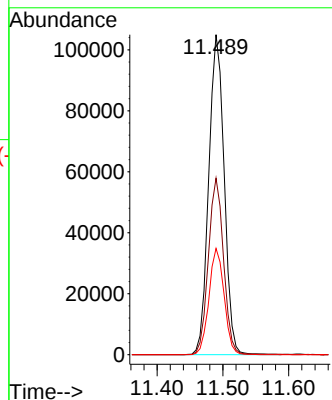
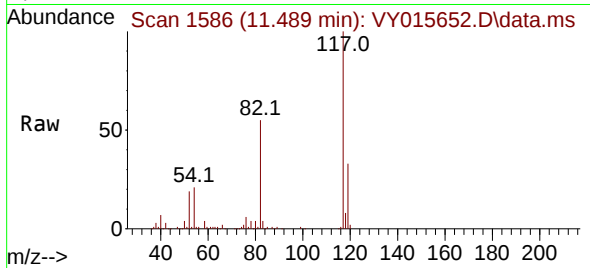




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.489 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY015652.D
Acq: 20 Sep 2023 12:35

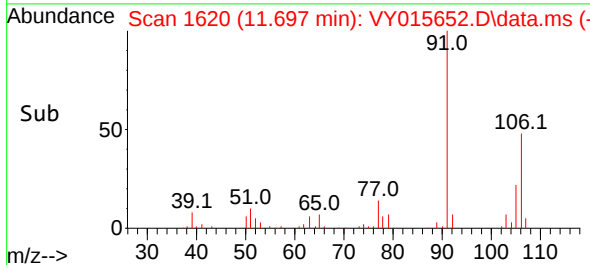
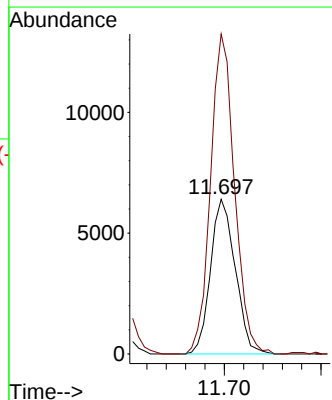
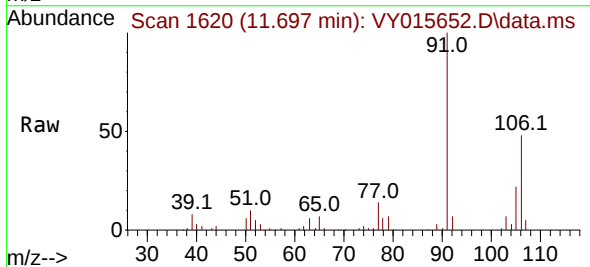
Instrument :
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B102-03(2.5-3)RE

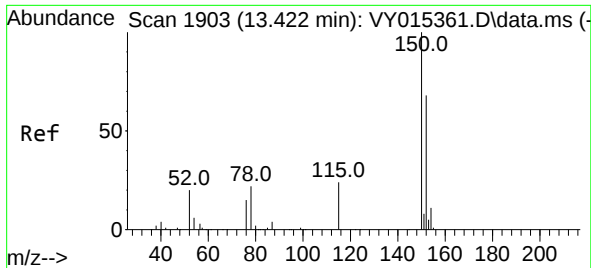
Tgt Ion:117 Resp: 171616
Ion Ratio Lower Upper
117 100
82 55.2 43.4 65.0
119 33.2 26.3 39.5



#68
m/p-Xylenes
Concen: 4.573 ug/l
RT: 11.697 min Scan# 1620
Delta R.T. -0.006 min
Lab File: VY015652.D
Acq: 20 Sep 2023 12:35

Tgt Ion:106 Resp: 11380
Ion Ratio Lower Upper
106 100
91 200.4 166.1 249.1





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY015652.D

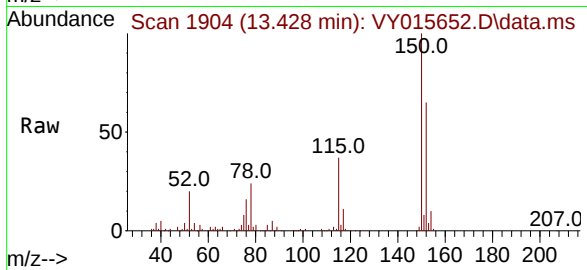
Acq: 20 Sep 2023 12:35

Instrument :

MSVOA_Y

ClientSampleId :

B102-03(2.5-3)RE



Tgt Ion:152 Resp: 47451

Ion Ratio Lower Upper

152 100

115 58.0 28.8 86.5

150 156.0 0.0 348.8

