

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091423\
 Data File : VY015538.D
 Acq On : 14 Sep 2023 17:03
 Operator : SY/MD
 Sample : 04394-03
 Misc : 5.96g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 B103-07(3.5-4)

Quant Time: Sep 15 04:03:08 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y082923S.M
 Quant Title : SW846 8260
 QLast Update : Thu Aug 31 20:01:47 2023
 Response via : Initial Calibration

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

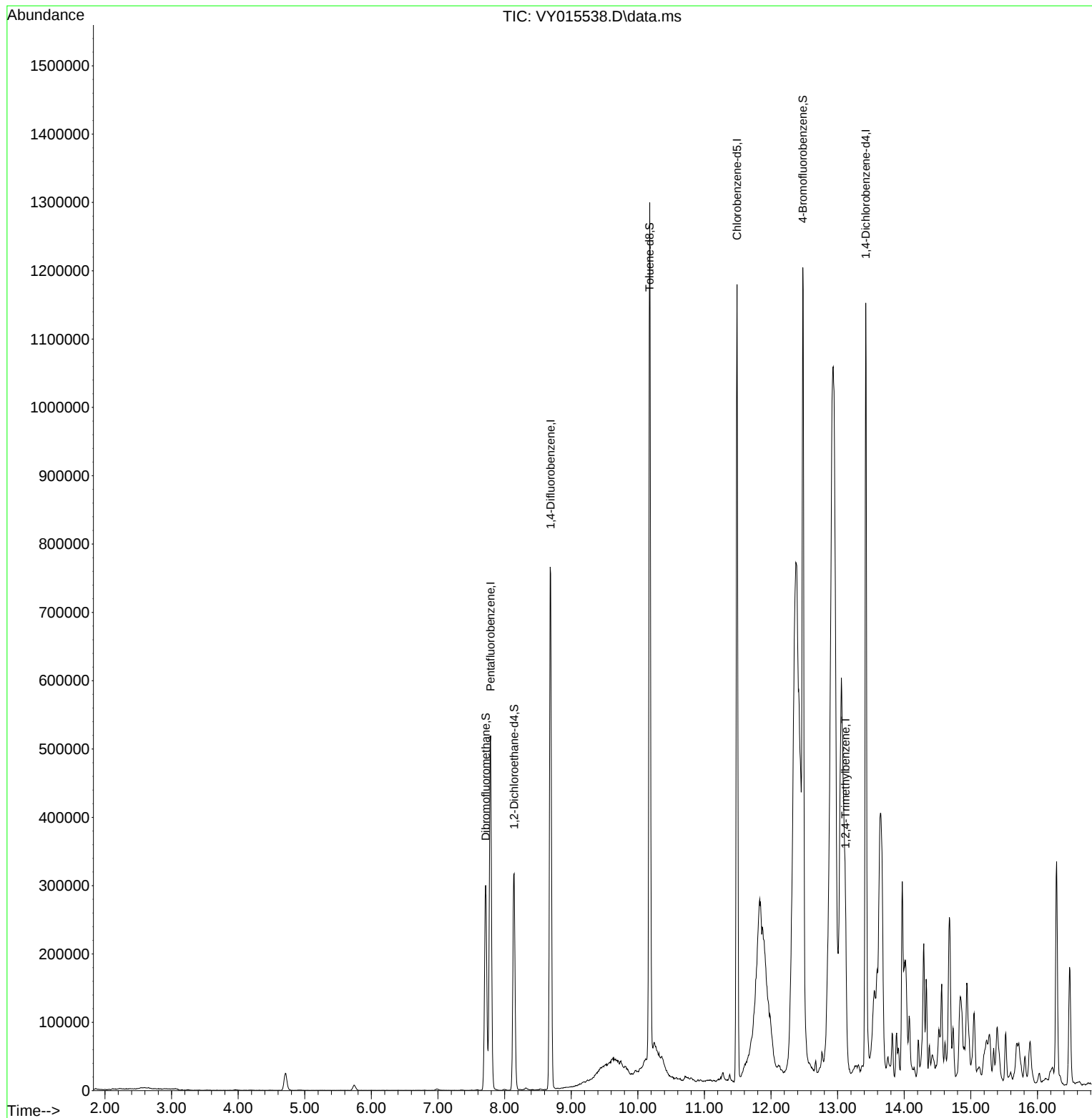
Internal Standards						
1) Pentafluorobenzene	7.789	168	407045	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	678583	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	625502	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.422	152	287920	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	249803	57.249	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	114.500%
35) Dibromofluoromethane	7.716	113	215575	55.155	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	110.320%
50) Toluene-d8	10.179	98	806494	56.979	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	113.960%
62) 4-Bromofluorobenzene	12.477	95	290343	55.256	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	110.520%
Target Compounds						
84) 1,2,4-Trimethylbenzene	13.117	105	29180	1.625	ug/l	Qvalue 95

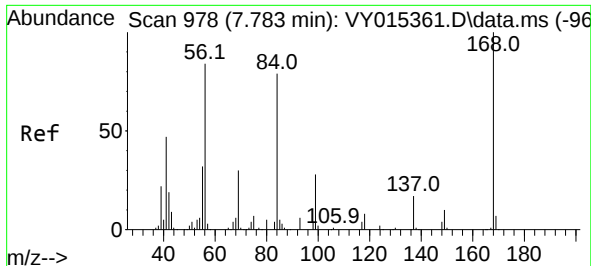
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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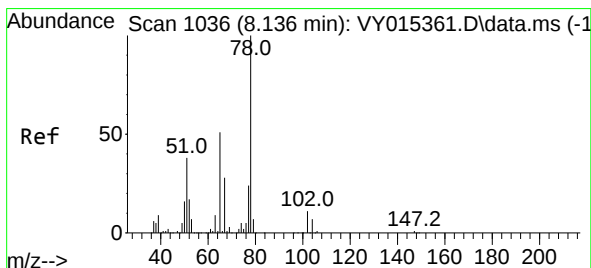
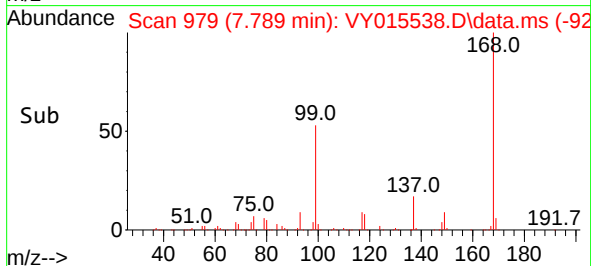
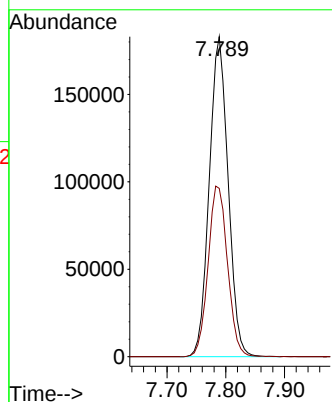
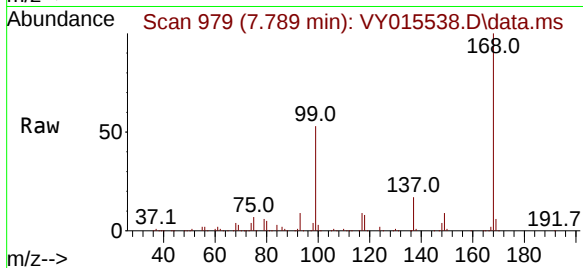




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY015538.D
Acq: 14 Sep 2023 17:03

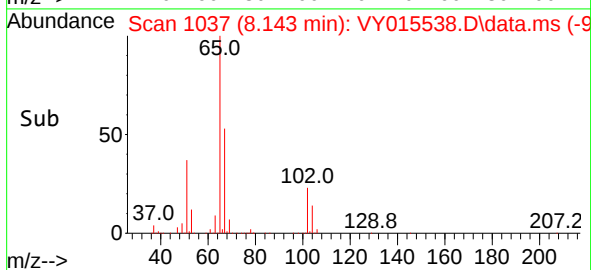
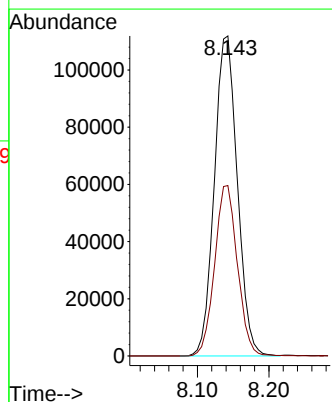
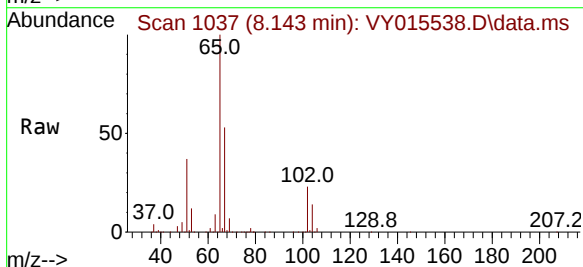
Instrument :
MSVOA_Y
ClientSampleId :
B103-07(3.5-4)

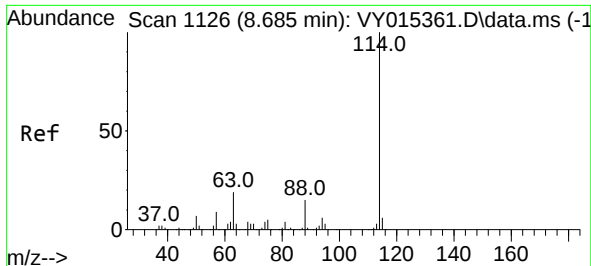
Tgt Ion:168 Resp: 407045
Ion Ratio Lower Upper
168 100
99 52.6 43.4 65.0



#33
1,2-Dichloroethane-d4
Concen: 57.249 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. 0.006 min
Lab File: VY015538.D
Acq: 14 Sep 2023 17:03

Tgt Ion: 65 Resp: 249803
Ion Ratio Lower Upper
65 100
67 52.8 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.006 min

Lab File: VY015538.D

Acq: 14 Sep 2023 17:03

Instrument :

MSVOA_Y

ClientSampleId :

B103-07(3.5-4)

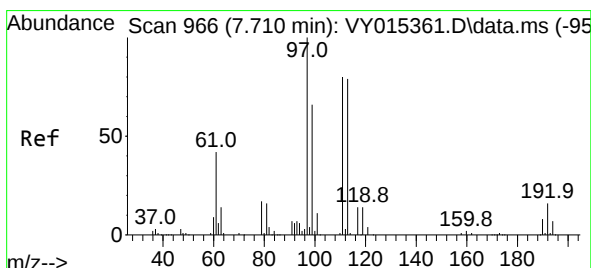
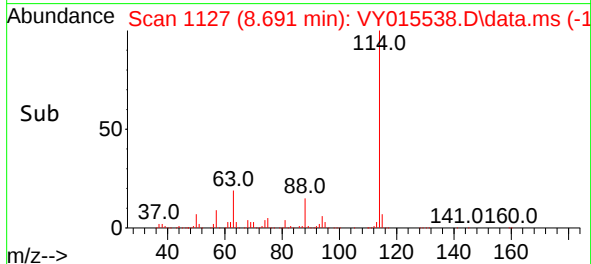
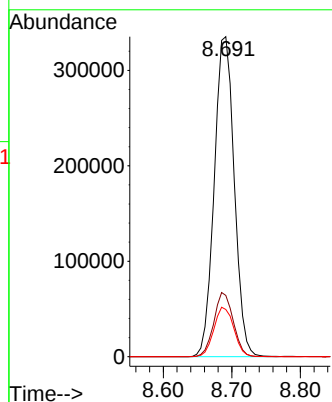
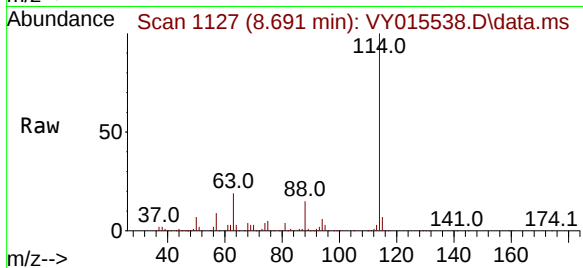
Tgt Ion:114 Resp: 678583

Ion Ratio Lower Upper

114 100

63 19.1 0.0 42.4

88 14.8 0.0 30.6



#35

Dibromofluoromethane

Concen: 55.155 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY015538.D

Acq: 14 Sep 2023 17:03

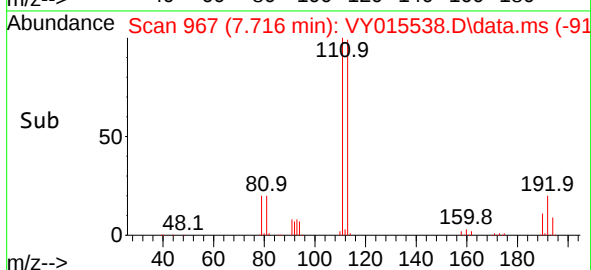
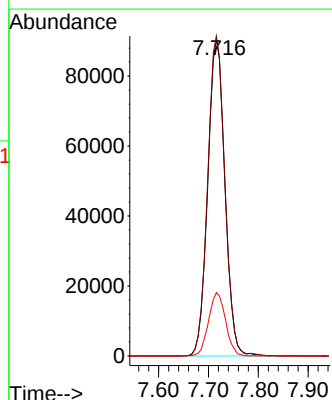
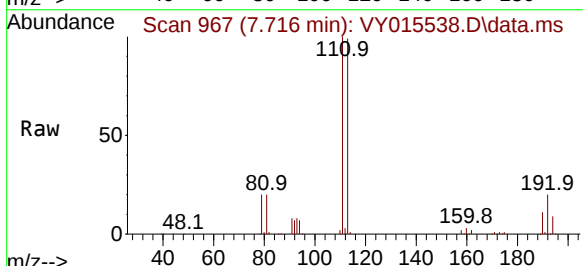
Tgt Ion:113 Resp: 215575

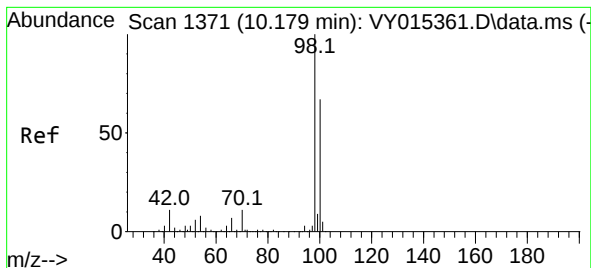
Ion Ratio Lower Upper

113 100

111 101.8 81.3 121.9

192 19.9 16.9 25.3





#50

Toluene-d8

Concen: 56.979 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.000 min

Lab File: VY015538.D

Acq: 14 Sep 2023 17:03

Instrument :

MSVOA_Y

ClientSampleId :

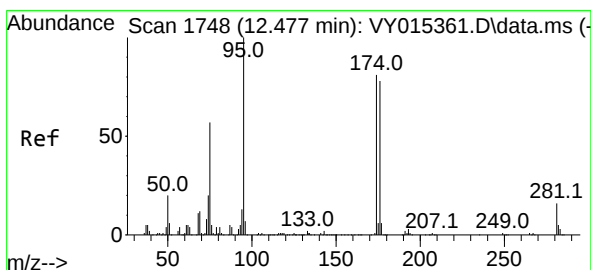
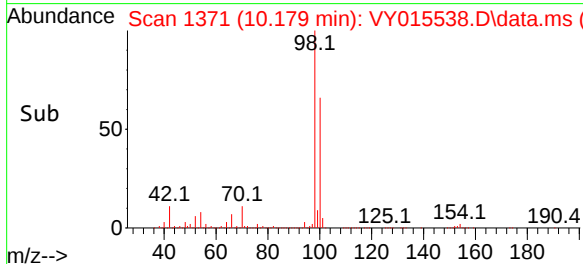
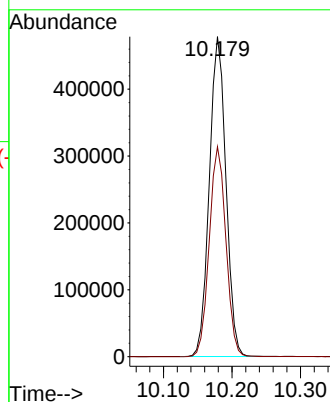
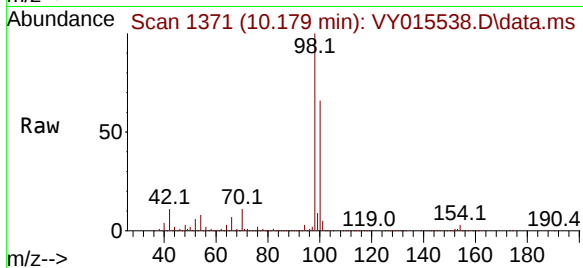
B103-07(3.5-4)

Tgt Ion: 98 Resp: 806494

Ion Ratio Lower Upper

98 100

100 65.9 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 55.256 ug/l

RT: 12.477 min Scan# 1748

Delta R.T. 0.000 min

Lab File: VY015538.D

Acq: 14 Sep 2023 17:03

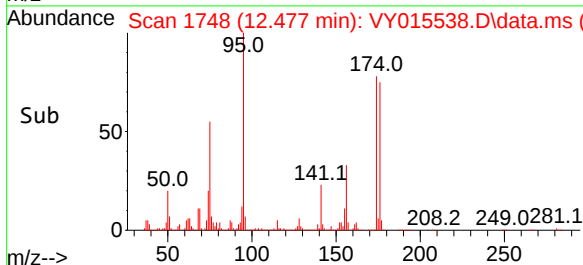
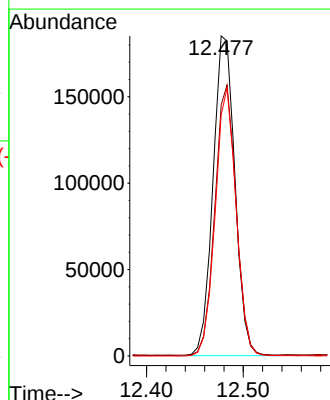
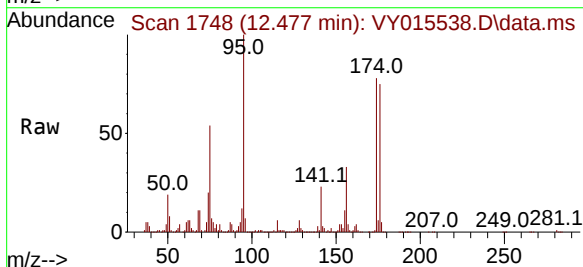
Tgt Ion: 95 Resp: 290343

Ion Ratio Lower Upper

95 100

174 82.1 0.0 178.2

176 80.1 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY015538.D

Acq: 14 Sep 2023 17:03

Instrument :

MSVOA_Y

ClientSampleId :

B103-07(3.5-4)

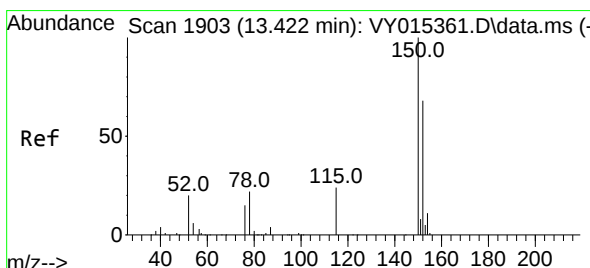
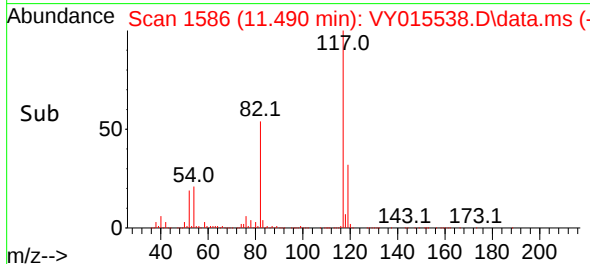
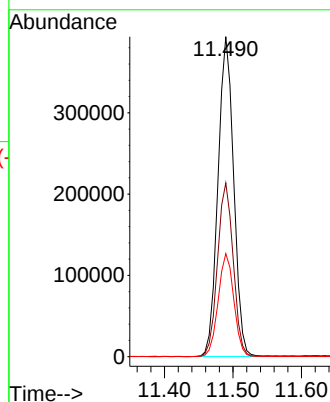
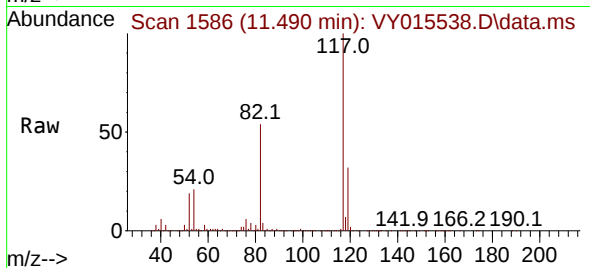
Tgt Ion:117 Resp: 625502

Ion Ratio Lower Upper

117 100

82 54.3 43.4 65.0

119 32.2 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY015538.D

Acq: 14 Sep 2023 17:03

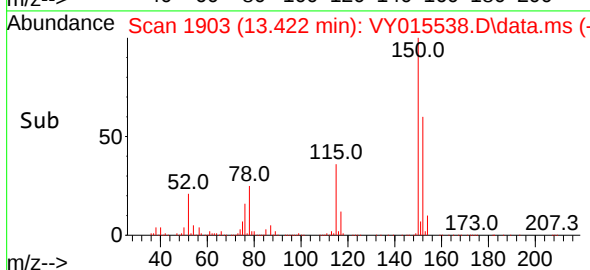
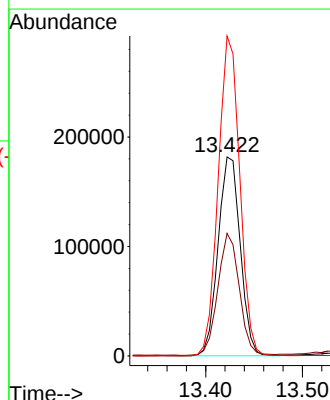
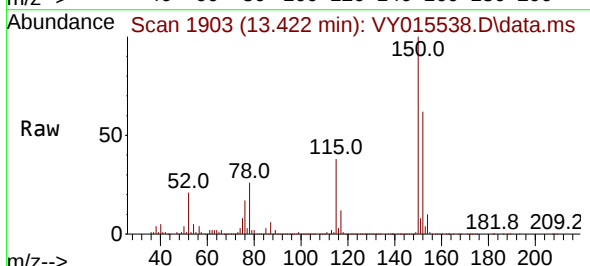
Tgt Ion:152 Resp: 287920

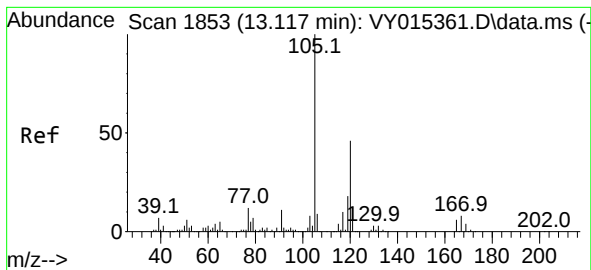
Ion Ratio Lower Upper

152 100

115 59.3 28.8 86.5

150 156.8 0.0 348.8





#84

1,2,4-Trimethylbenzene

Concen: 1.625 ug/l

RT: 13.117 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY015538.D

Acq: 14 Sep 2023 17:03

Instrument :

MSVOA_Y

ClientSampleId :

B103-07(3.5-4)

Tgt Ion:105 Resp: 29180

Ion Ratio Lower Upper

105 100

120 41.4 22.2 66.6

