

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020723\
 Data File : VY012522.D
 Acq On : 07 Feb 2023 16:37
 Operator : KP/MD
 Sample : 01466-02
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 A-2

Quant Time: Feb 08 02:36:34 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020723S.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 08 01:09:03 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	146108	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	239063	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.489	117	235027	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	112219	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.142	65	87531	47.112	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.220%
35) Dibromofluoromethane	7.716	113	70596	40.549	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	81.100%
50) Toluene-d8	10.179	98	280236	38.672	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	77.340%
62) 4-Bromofluorobenzene	12.483	95	94947	37.564	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	75.120%

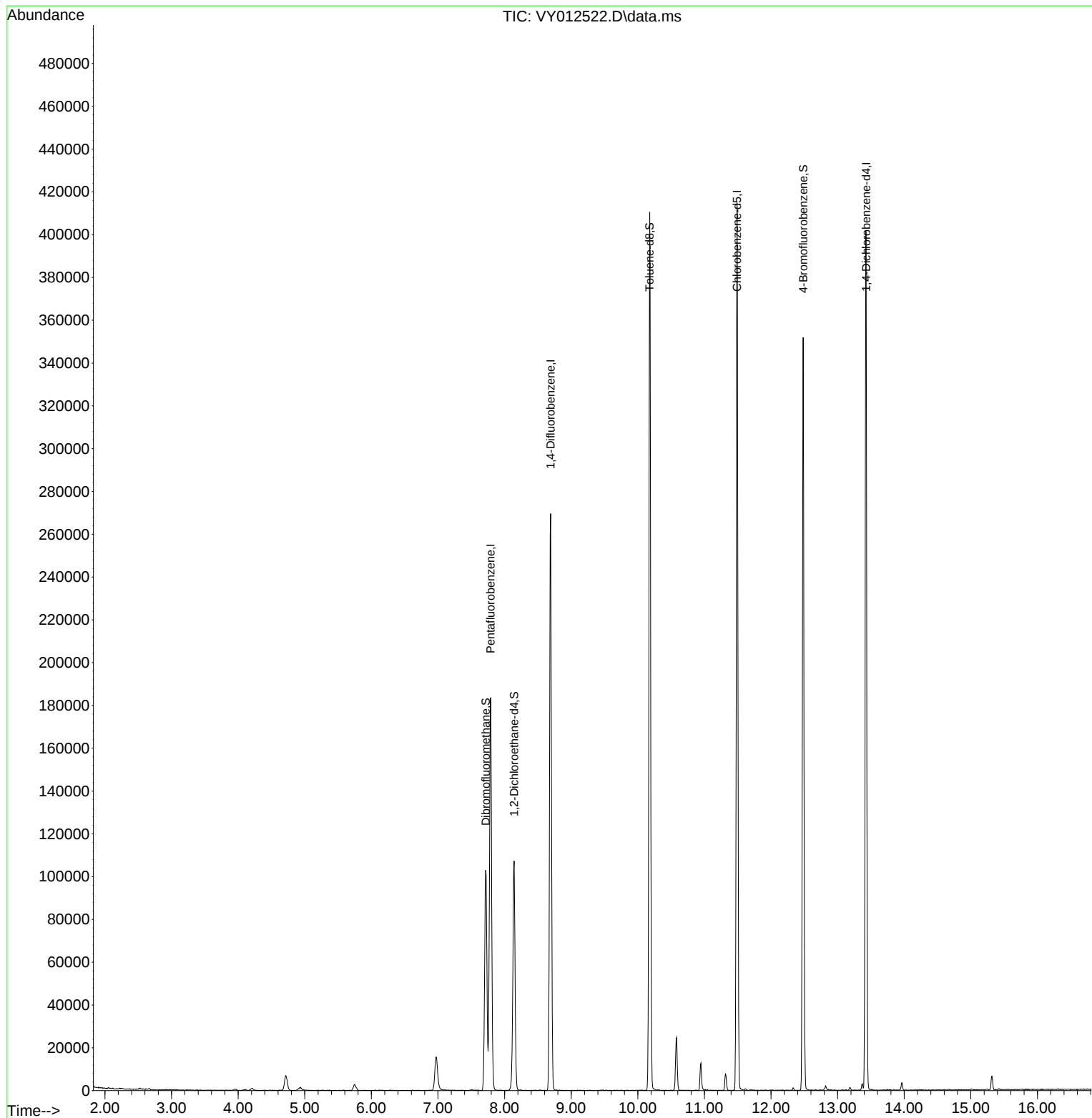
Target Compounds	Qvalue

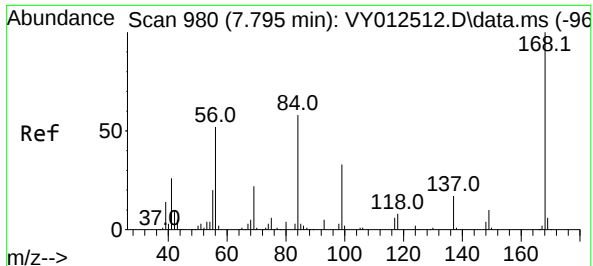
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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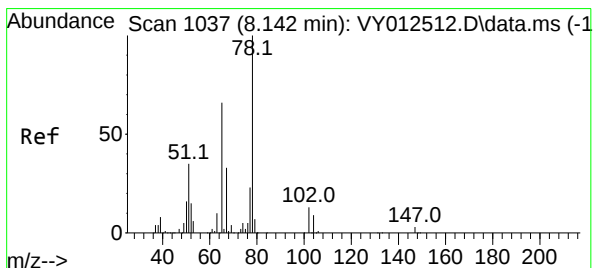
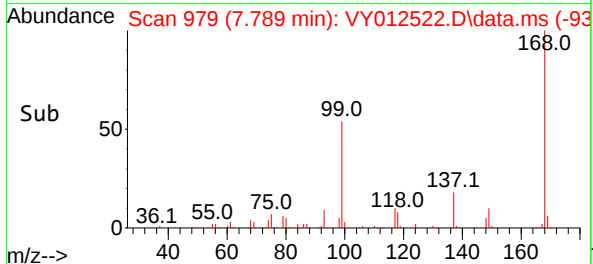
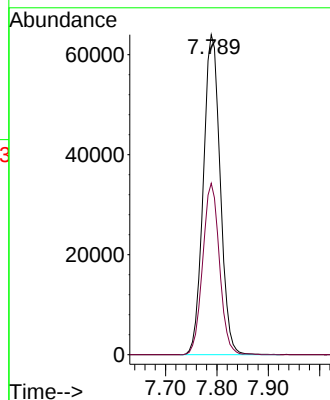
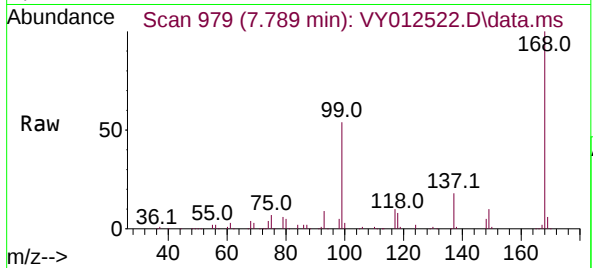




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY012522.D
Acq: 07 Feb 2023 16:37

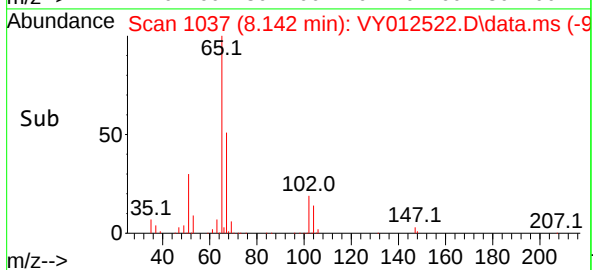
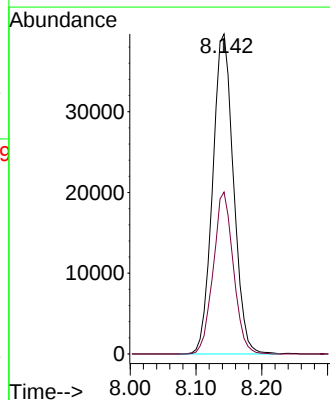
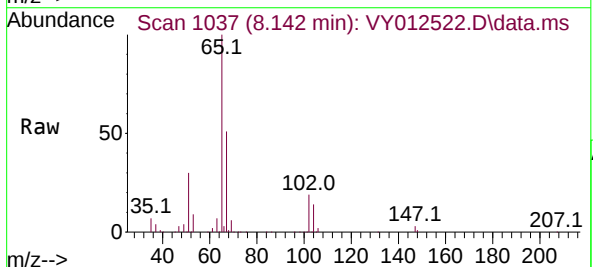
Instrument :
MSVOA_Y
ClientSampleId :
A-2

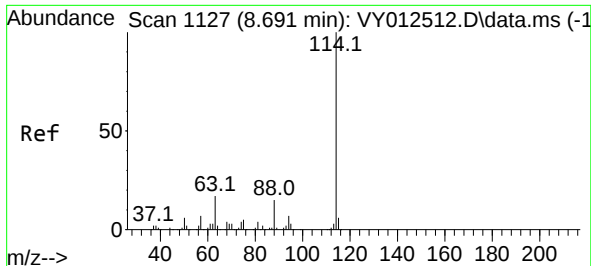
Tgt Ion:168 Resp: 146108
Ion Ratio Lower Upper
168 100
99 53.6 40.8 61.2



#33
1,2-Dichloroethane-d4
Concen: 47.112 ug/l
RT: 8.142 min Scan# 1037
Delta R.T. 0.000 min
Lab File: VY012522.D
Acq: 07 Feb 2023 16:37

Tgt Ion: 65 Resp: 87531
Ion Ratio Lower Upper
65 100
67 48.8 0.0 98.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012522.D

Acq: 07 Feb 2023 16:37

Instrument :

MSVOA_Y

ClientSampleId :

A-2

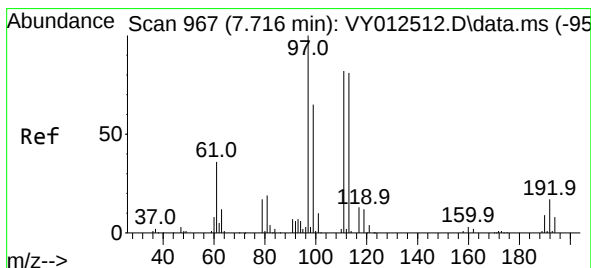
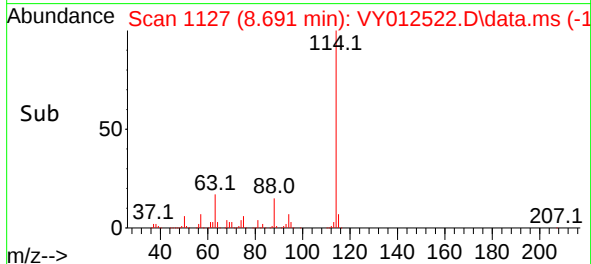
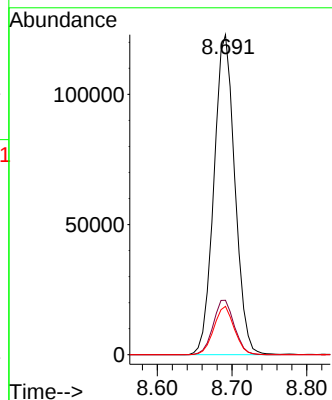
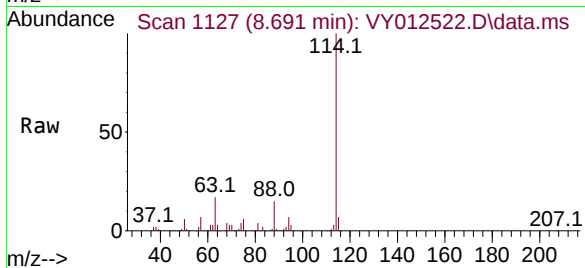
Tgt Ion:114 Resp: 239063

Ion Ratio Lower Upper

114 100

63 17.0 0.0 33.6

88 15.1 0.0 29.8



#35

Dibromofluoromethane

Concen: 40.549 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY012522.D

Acq: 07 Feb 2023 16:37

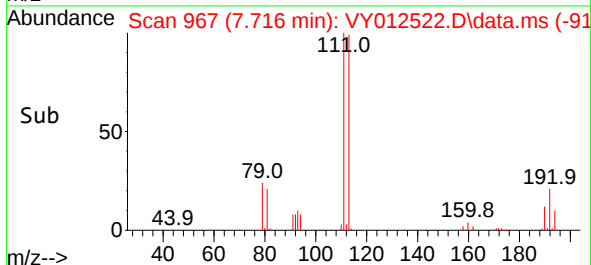
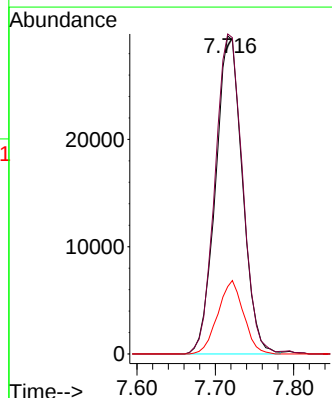
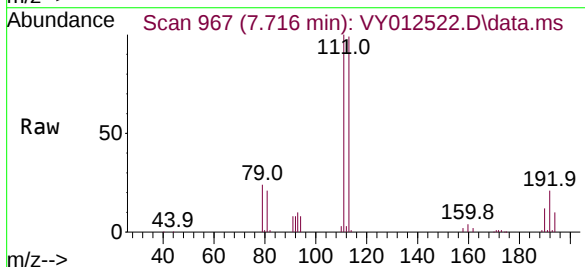
Tgt Ion:113 Resp: 70596

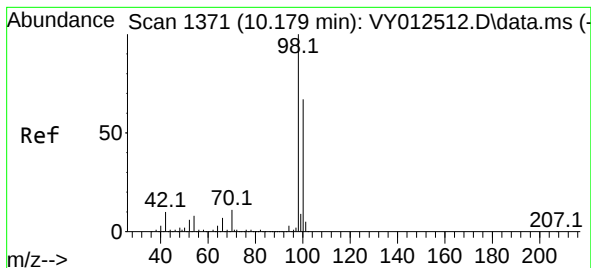
Ion Ratio Lower Upper

113 100

111 102.8 81.9 122.9

192 22.0 17.5 26.3





#50

Toluene-d8

Concen: 38.672 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.000 min

Lab File: VY012522.D

Acq: 07 Feb 2023 16:37

Instrument :

MSVOA_Y

ClientSampleId :

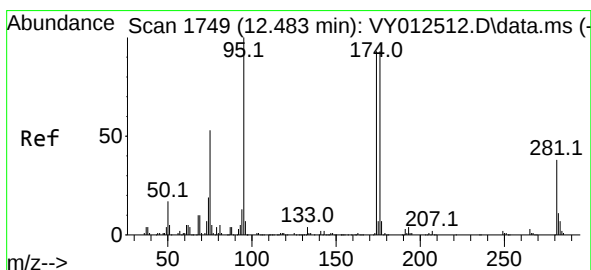
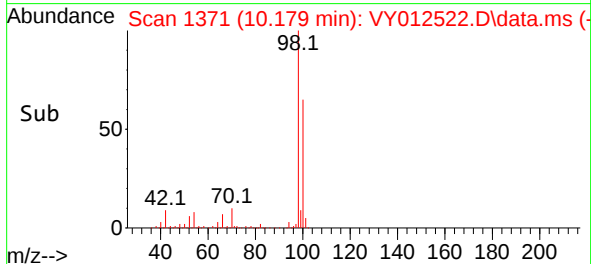
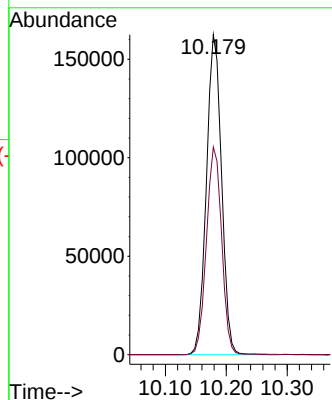
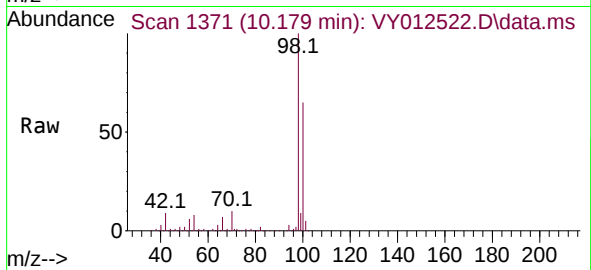
A-2

Tgt Ion: 98 Resp: 280236

Ion Ratio Lower Upper

98 100

100 65.2 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 37.564 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY012522.D

Acq: 07 Feb 2023 16:37

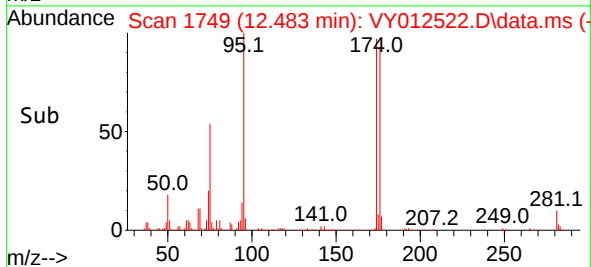
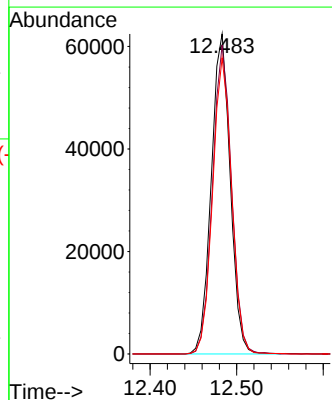
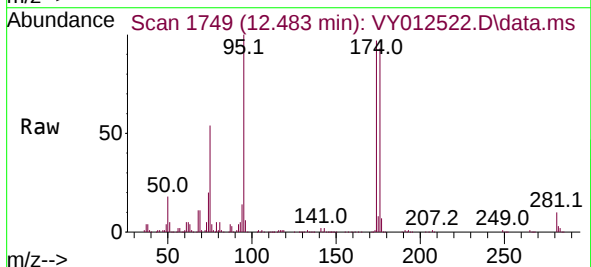
Tgt Ion: 95 Resp: 94947

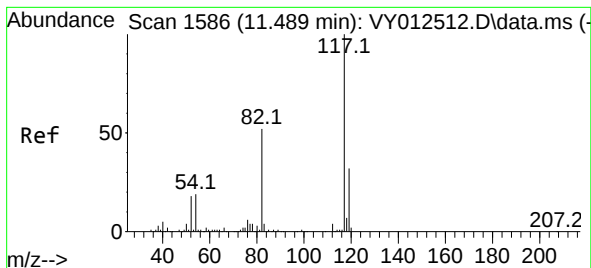
Ion Ratio Lower Upper

95 100

174 96.8 0.0 188.0

176 92.9 0.0 183.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY012522.D

Acq: 07 Feb 2023 16:37

Instrument :

MSVOA_Y

ClientSampleId :

A-2

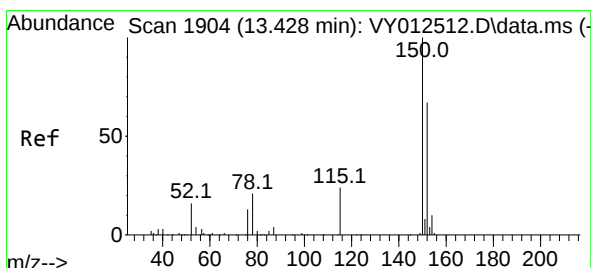
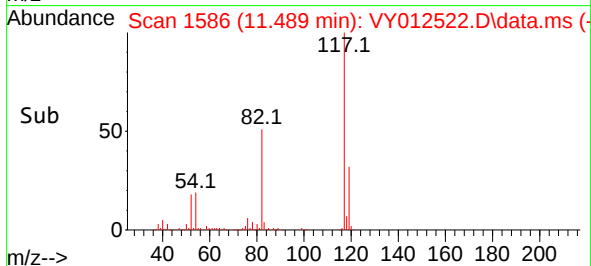
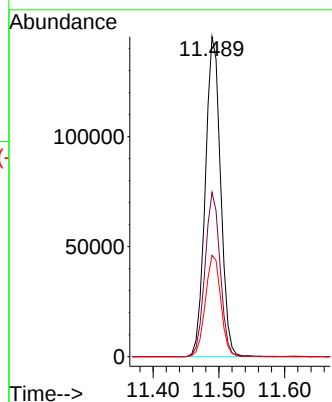
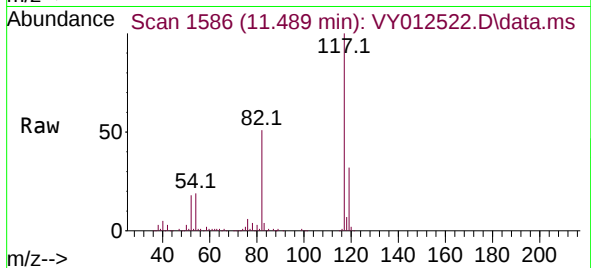
Tgt Ion:117 Resp: 235027

Ion Ratio Lower Upper

117 100

82 51.4 41.7 62.5

119 31.7 25.8 38.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY012522.D

Acq: 07 Feb 2023 16:37

Tgt Ion:152 Resp: 112219

Ion Ratio Lower Upper

152 100

115 55.9 28.1 84.3

150 157.0 0.0 351.0

