

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY011723\
 Data File : VY012224.D
 Acq On : 17 Jan 2023 15:35
 Operator : KP/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Jan 18 00:33:03 2023
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y011623S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 17 04:31:47 2023
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.789	168	285589	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	489662	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	453539	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	211140	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	150213	64.604	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	129.200%
35) Dibromofluoromethane	7.716	113	148826	57.401	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	114.800%
50) Toluene-d8	10.179	98	575975	65.454	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	130.900%
62) 4-Bromofluorobenzene	12.483	95	196254	53.695	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	107.380%

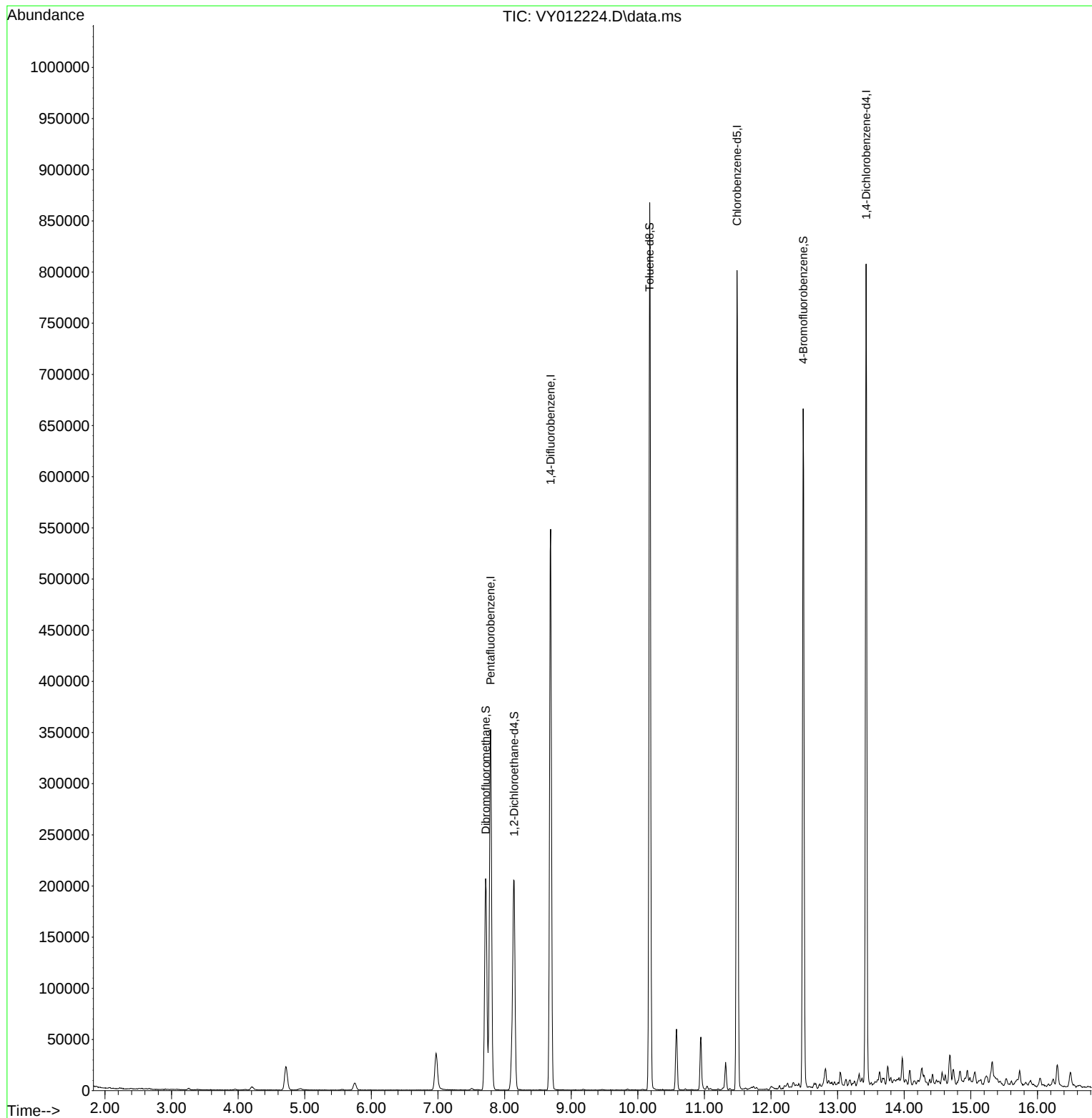
Target Compounds	Qvalue

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

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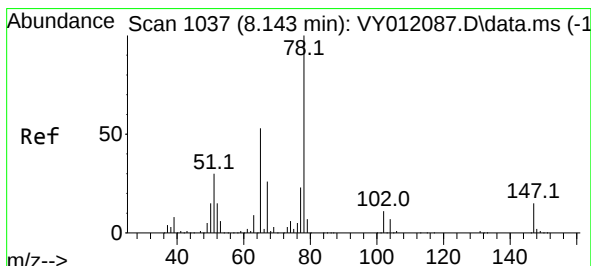
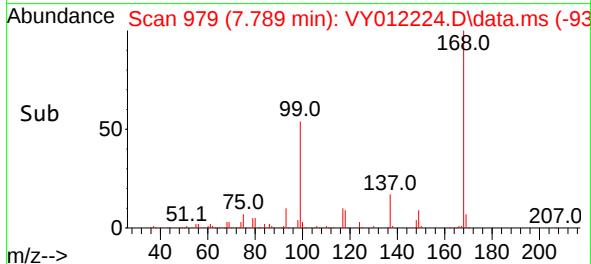
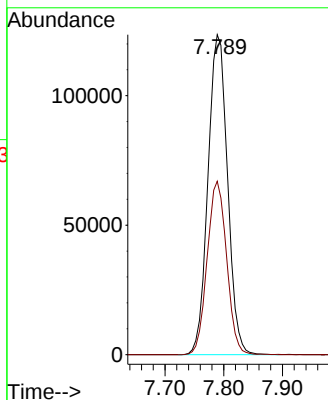
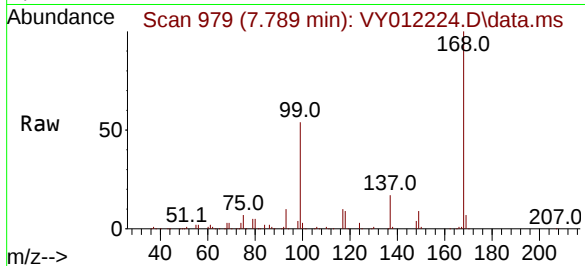




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY012224.D
Acq: 17 Jan 2023 15:35

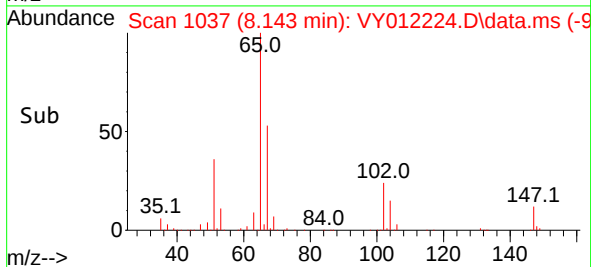
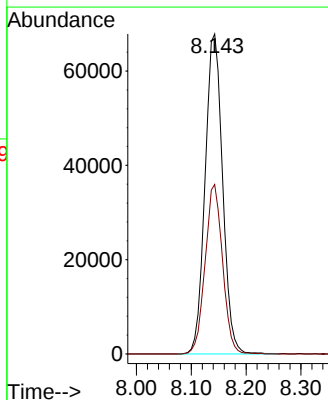
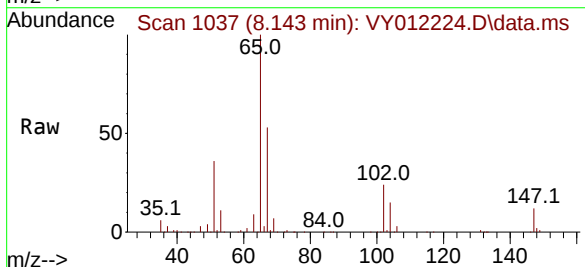
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

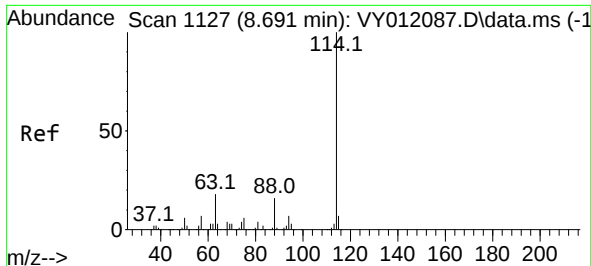
Tgt Ion:168 Resp: 285589
Ion Ratio Lower Upper
168 100
99 54.2 44.0 66.0



#33
1,2-Dichloroethane-d4
Concen: 64.604 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY012224.D
Acq: 17 Jan 2023 15:35

Tgt Ion: 65 Resp: 150213
Ion Ratio Lower Upper
65 100
67 52.7 0.0 103.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012224.D

Acq: 17 Jan 2023 15:35

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

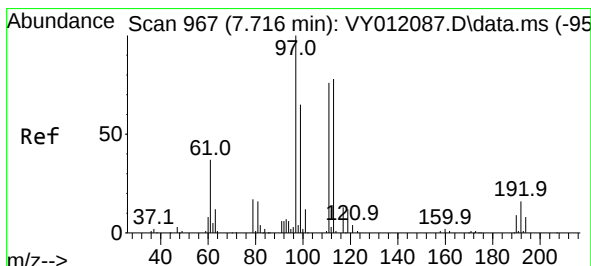
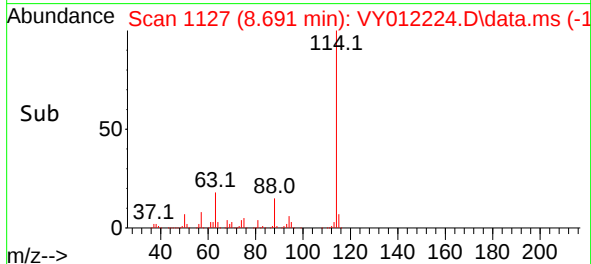
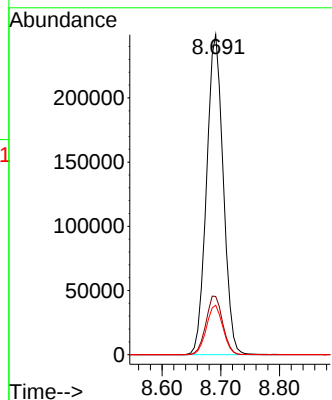
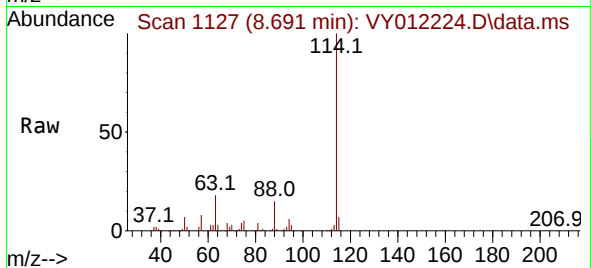
Tgt Ion:114 Resp: 489662

Ion Ratio Lower Upper

114 100

63 18.2 0.0 39.6

88 15.4 0.0 32.2



#35

Dibromofluoromethane

Concen: 57.401 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY012224.D

Acq: 17 Jan 2023 15:35

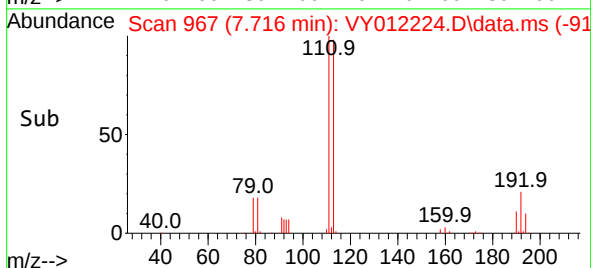
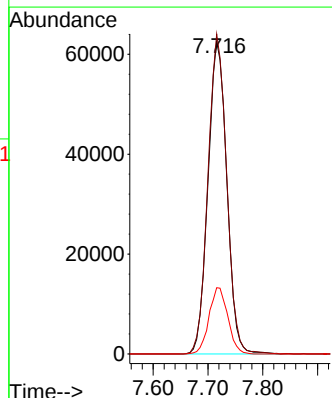
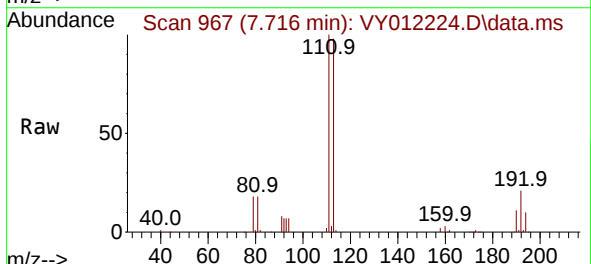
Tgt Ion:113 Resp: 148826

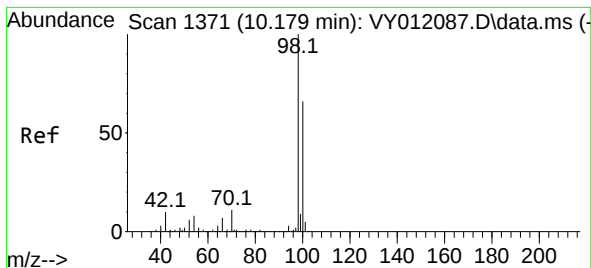
Ion Ratio Lower Upper

113 100

111 101.9 83.0 124.4

192 21.2 16.0 24.0





#50

Toluene-d8

Concen: 65.454 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. -0.000 min

Lab File: VY012224.D

Acq: 17 Jan 2023 15:35

Instrument :

MSVOA_Y

ClientSampleId :

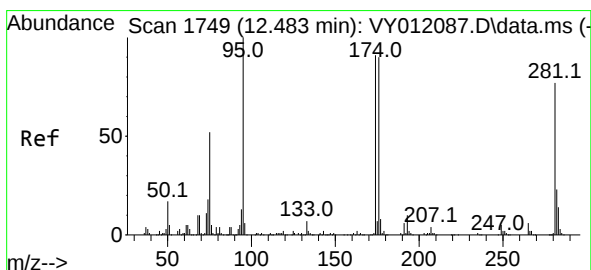
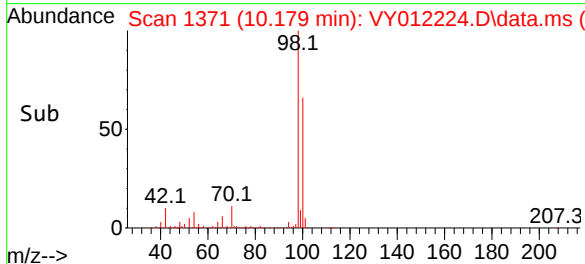
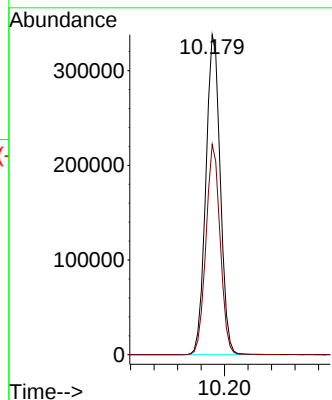
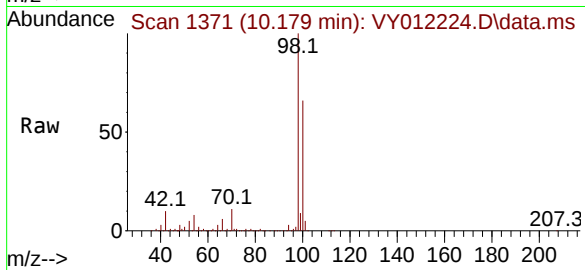
VIBLK

Tgt Ion: 98 Resp: 575975

Ion Ratio Lower Upper

98 100

100 64.8 51.9 77.9



#62

4-Bromofluorobenzene

Concen: 53.695 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY012224.D

Acq: 17 Jan 2023 15:35

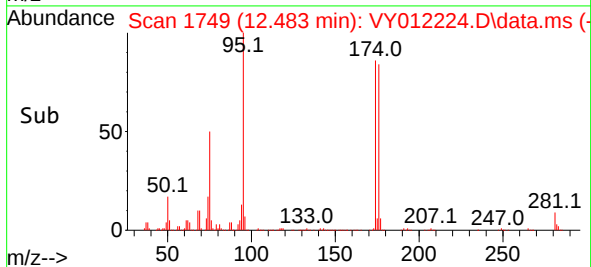
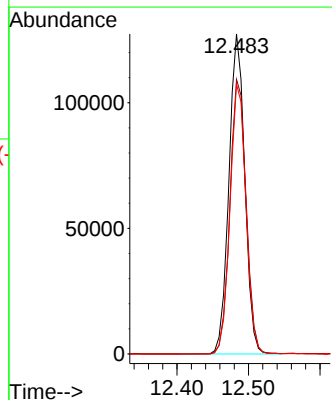
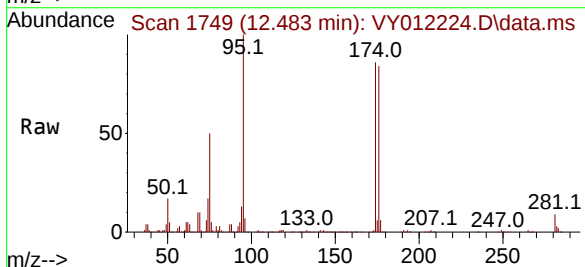
Tgt Ion: 95 Resp: 196254

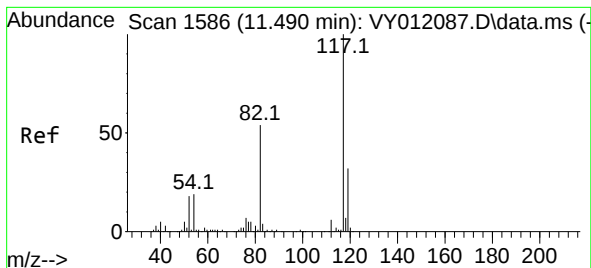
Ion Ratio Lower Upper

95 100

174 87.7 0.0 172.0

176 84.7 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY012224.D

Acq: 17 Jan 2023 15:35

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

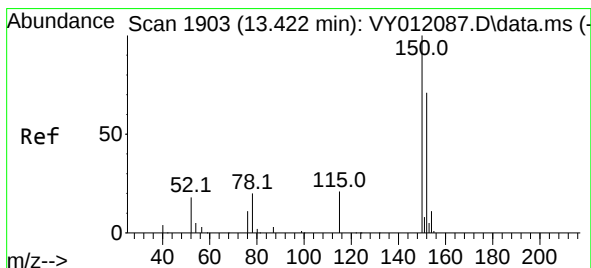
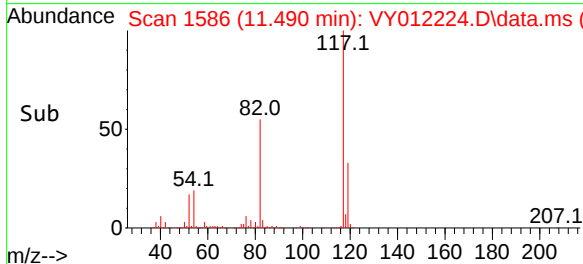
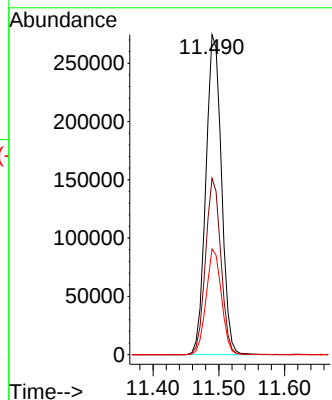
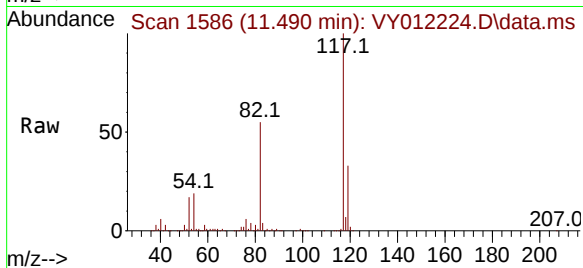
Tgt Ion:117 Resp: 453539

Ion Ratio Lower Upper

117 100

82 55.1 44.8 67.2

119 33.0 25.4 38.2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.006 min

Lab File: VY012224.D

Acq: 17 Jan 2023 15:35

Tgt Ion:152 Resp: 211140

Ion Ratio Lower Upper

152 100

115 57.3 29.1 87.3

150 157.4 0.0 342.6

