

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012023\
 Data File : VY012291.D
 Acq On : 20 Jan 2023 15:26
 Operator : KP/MD
 Sample : 01220-04
 Misc : 5.12g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-G

Quant Time: Jan 23 02:21:06 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	216748	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	360168	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	350852	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	164928	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	122222	69.569	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	139.140%
35) Dibromofluoromethane	7.716	113	110131	57.748	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	115.500%
50) Toluene-d8	10.179	98	428617	66.276	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	=	132.560%
62) 4-Bromofluorobenzene	12.483	95	147185	54.748	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	=	109.500%

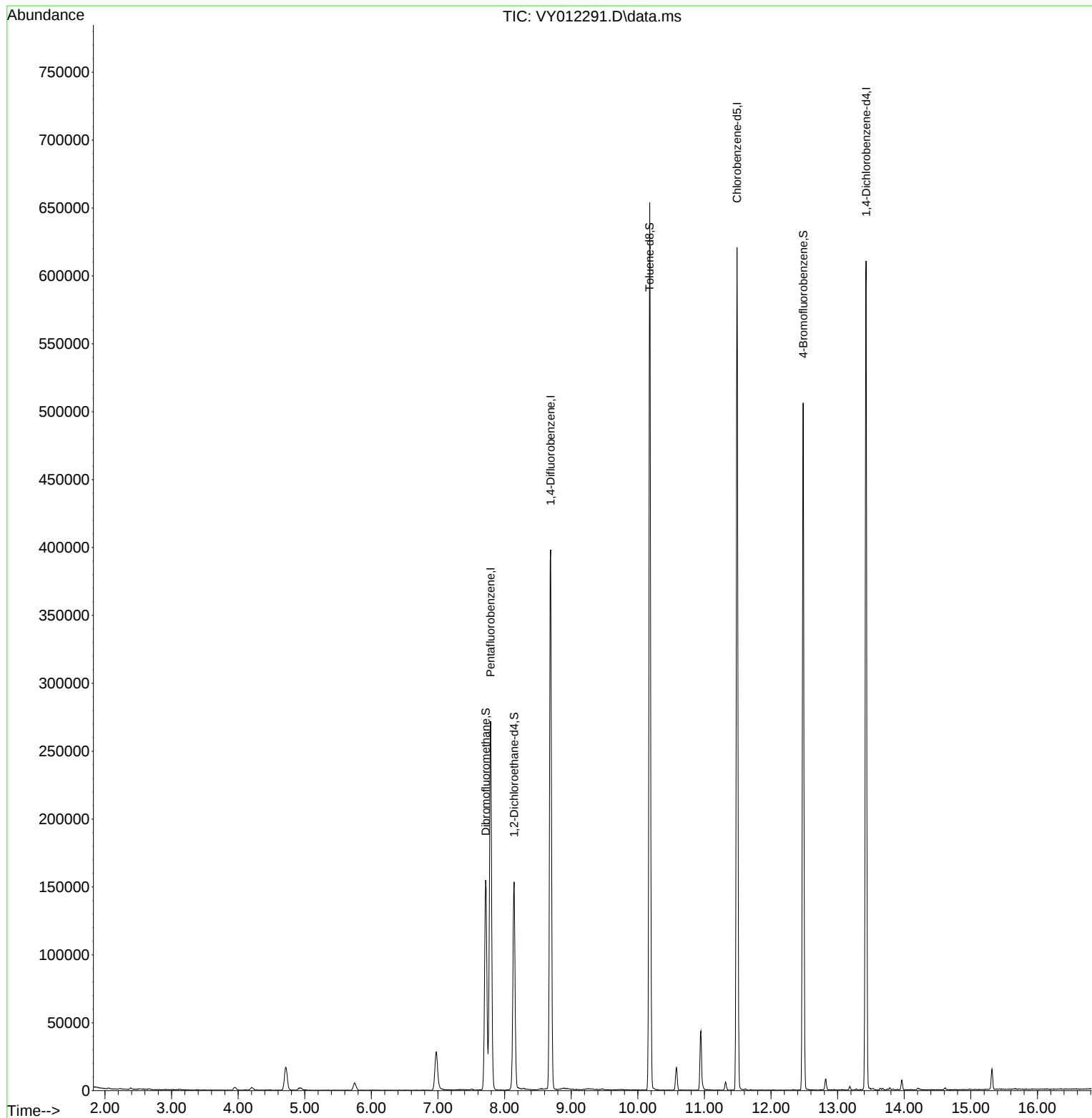
Target Compounds	Qvalue

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

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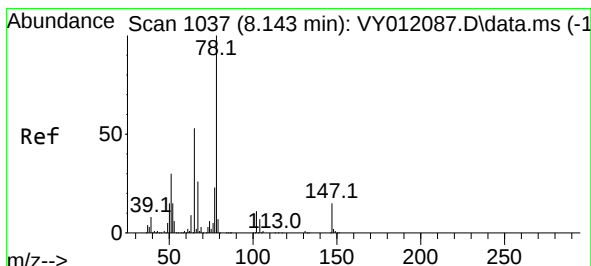
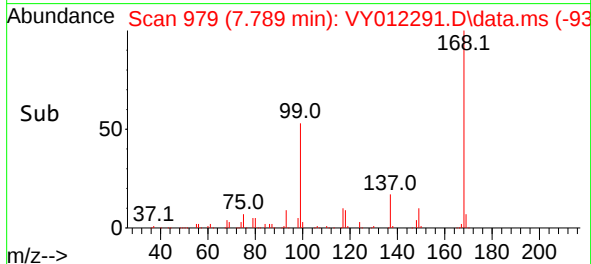
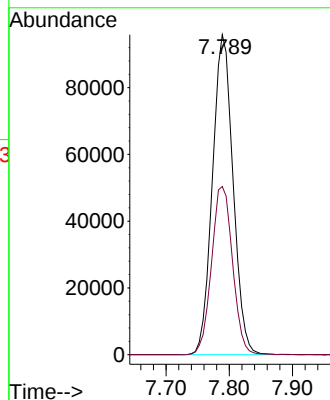
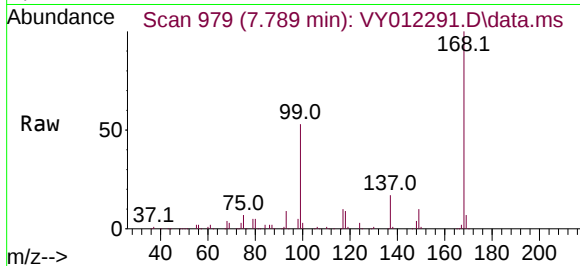




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY012291.D
Acq: 20 Jan 2023 15:26

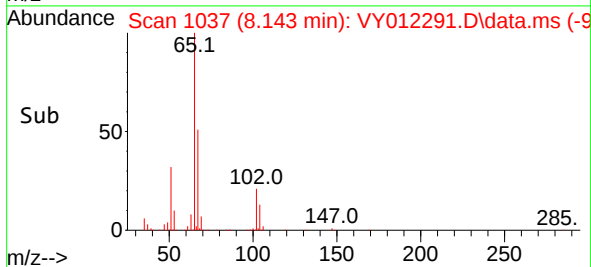
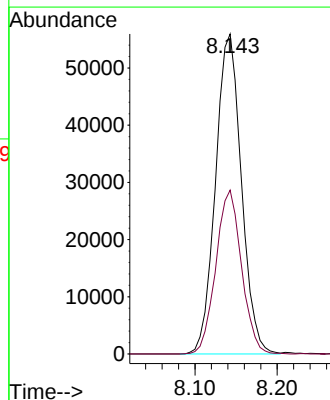
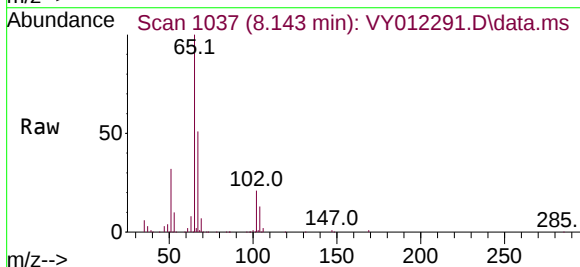
Instrument :
MSVOA_Y
ClientSampleId :
TP-G

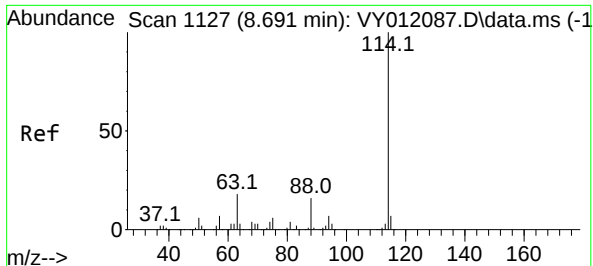
Tgt Ion:168 Resp: 216748
Ion Ratio Lower Upper
168 100
99 52.5 44.0 66.0



#33
1,2-Dichloroethane-d4
Concen: 69.569 ug/l
RT: 8.143 min Scan# 1037
Delta R.T. -0.000 min
Lab File: VY012291.D
Acq: 20 Jan 2023 15:26

Tgt Ion: 65 Resp: 122222
Ion Ratio Lower Upper
65 100
67 50.8 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: VY012291.D

Acq: 20 Jan 2023 15:26

Instrument :

MSVOA_Y

ClientSampleId :

TP-G

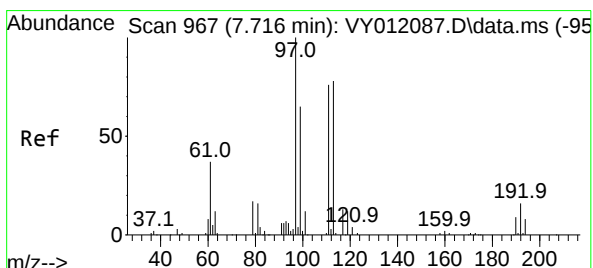
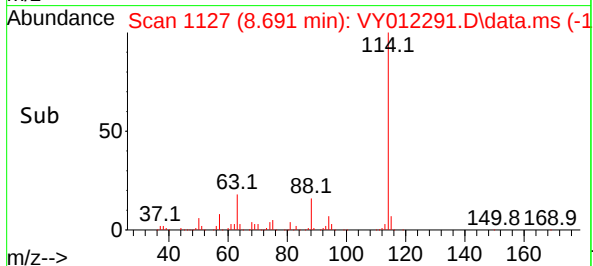
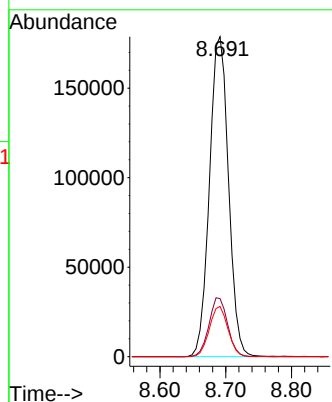
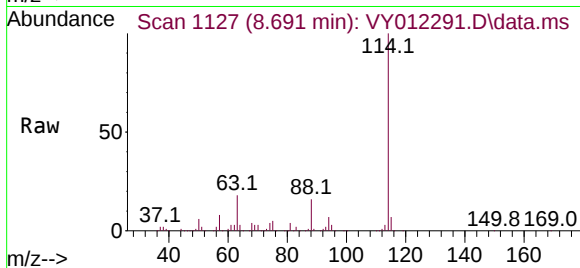
Tgt Ion:114 Resp: 360168

Ion Ratio Lower Upper

114 100

63 18.2 0.0 39.6

88 15.7 0.0 32.2



#35

Dibromofluoromethane

Concen: 57.748 ug/l

RT: 7.716 min Scan# 967

Delta R.T. -0.000 min

Lab File: VY012291.D

Acq: 20 Jan 2023 15:26

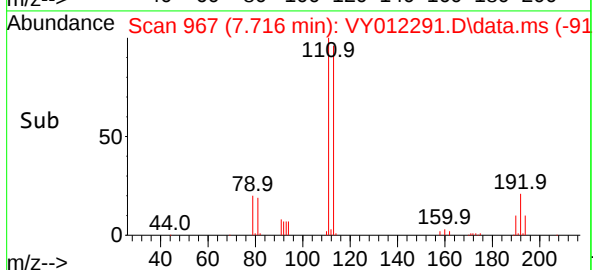
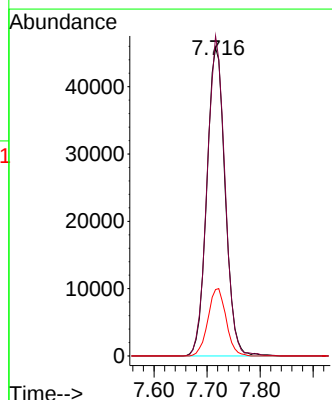
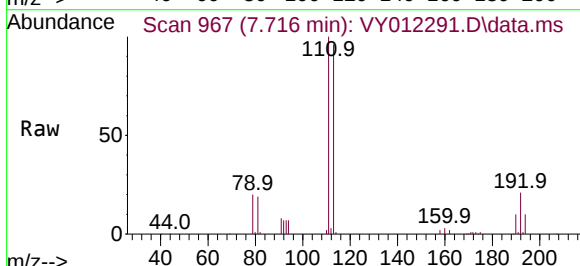
Tgt Ion:113 Resp: 110131

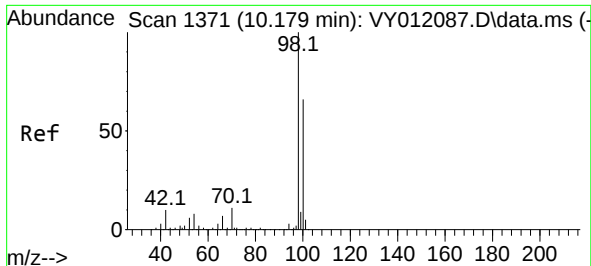
Ion Ratio Lower Upper

113 100

111 101.1 83.0 124.4

192 21.6 16.0 24.0

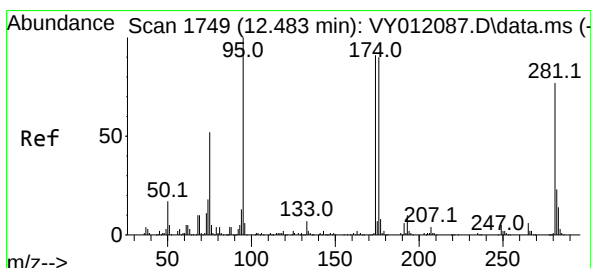
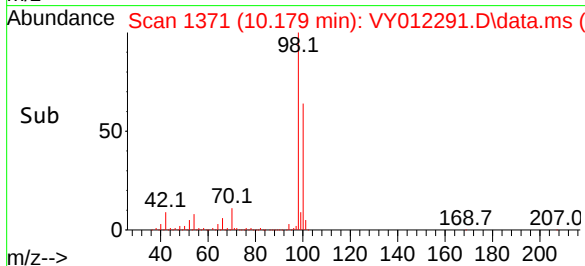
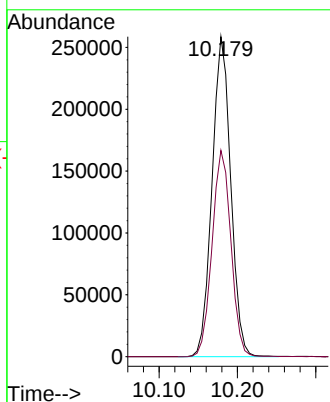
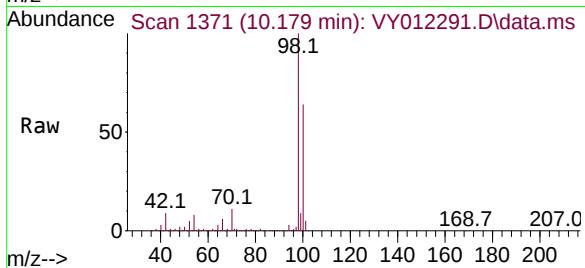




#50
Toluene-d8
Concen: 66.276 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012291.D
Acq: 20 Jan 2023 15:26

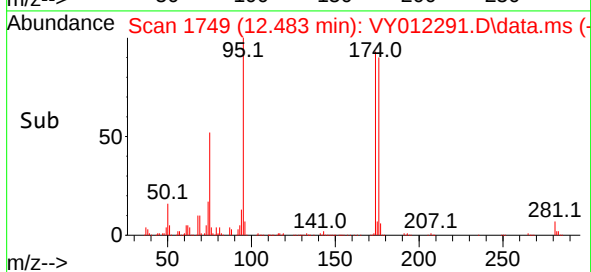
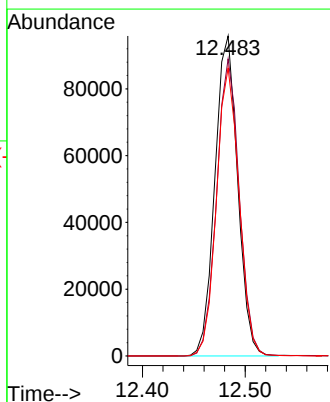
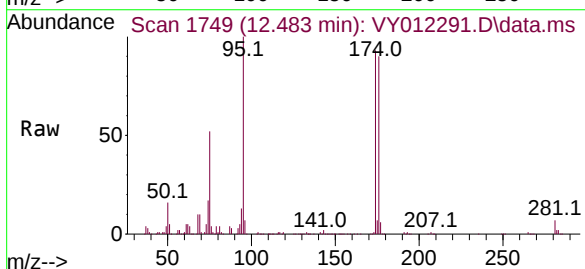
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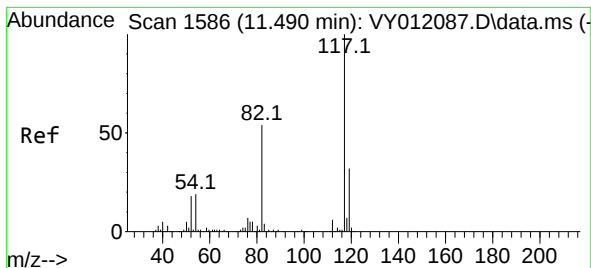
Tgt Ion: 98 Resp: 428617
Ion Ratio Lower Upper
98 100
100 65.1 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 54.748 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.000 min
Lab File: VY012291.D
Acq: 20 Jan 2023 15:26

Tgt Ion: 95 Resp: 147185
Ion Ratio Lower Upper
95 100
174 92.6 0.0 172.0
176 89.6 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: VY012291.D

Acq: 20 Jan 2023 15:26

Instrument :

MSVOA_Y

ClientSampleId :

TP-G

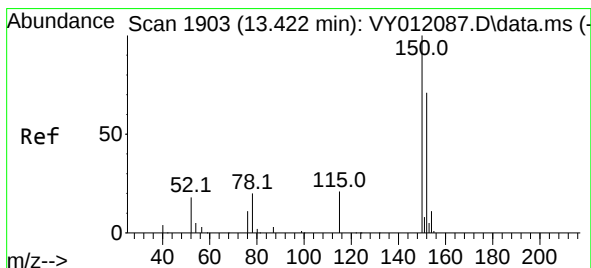
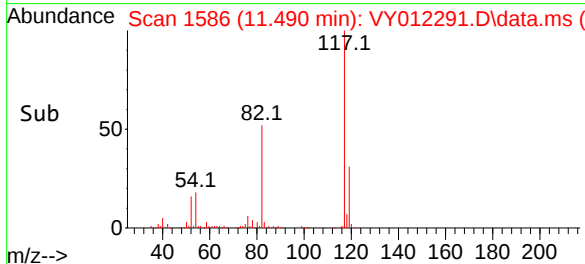
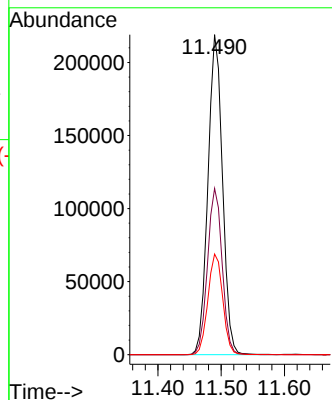
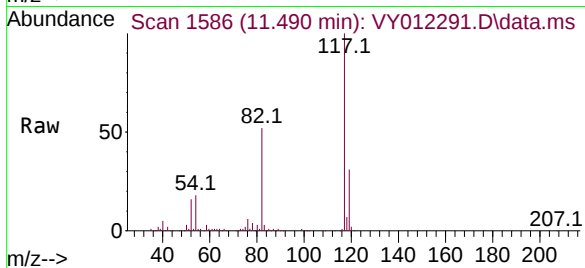
Tgt Ion:117 Resp: 350852

Ion Ratio Lower Upper

117 100

82 51.9 44.8 67.2

119 31.4 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: VY012291.D

Acq: 20 Jan 2023 15:26

Tgt Ion:152 Resp: 164928

Ion Ratio Lower Upper

152 100

115 57.0 29.1 87.3

150 156.3 0.0 342.6

