

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY012224\
 Data File : VY017078.D
 Acq On : 22 Jan 2024 16:52
 Operator : SY/MD
 Sample : P1219-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 222177

Quant Time: Jan 23 01:47:39 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y010224S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jan 02 14:25:32 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.813	168	66214	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.709	114	133506	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.508	117	122313	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.446	152	44704	50.000	ug/l	0.01

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.161	65	28589	43.685	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	87.380%
35) Dibromofluoromethane	7.740	113	31823	37.406	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	74.820%
50) Toluene-d8	10.197	98	115455	39.410	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	78.820%
62) 4-Bromofluorobenzene	12.501	95	34017	34.416	ug/l	0.01
Spiked Amount	50.000	Range	30 - 143	Recovery	=	68.840%

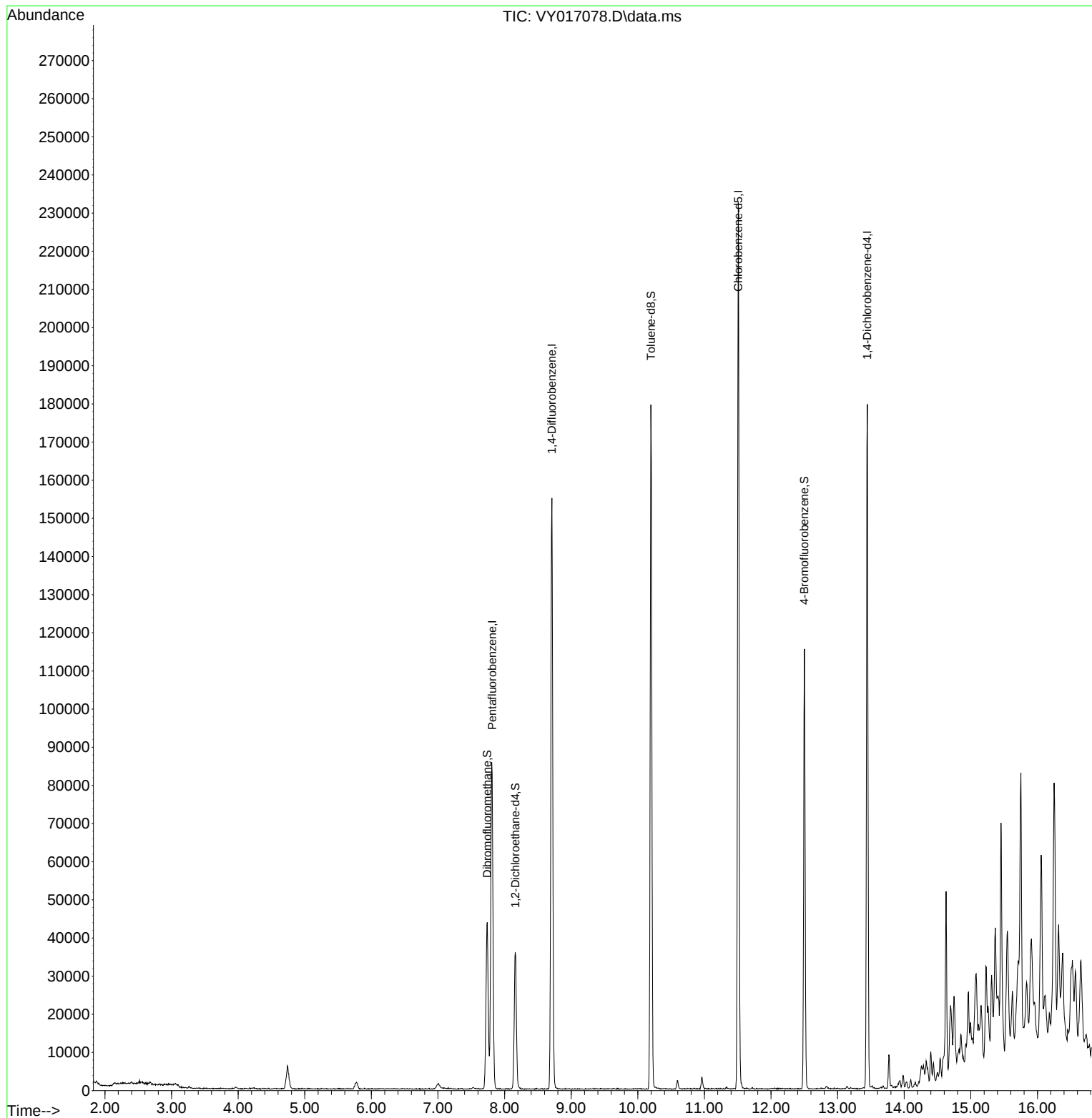
Target Compounds	Qvalue

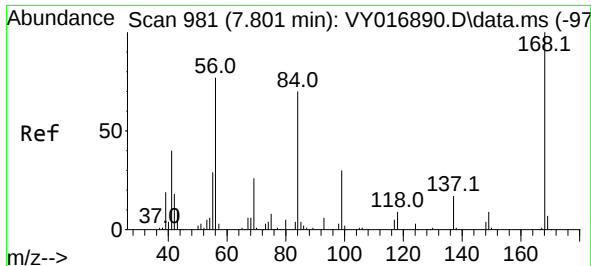
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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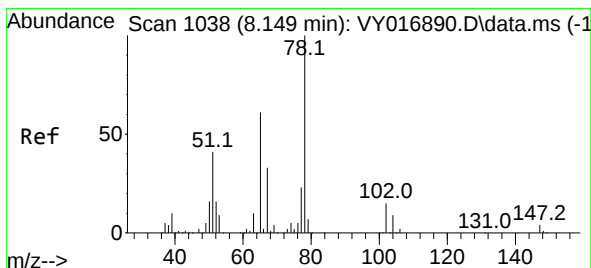
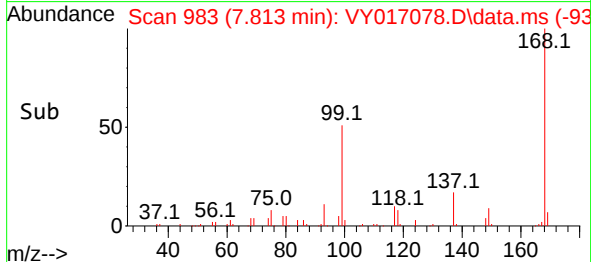
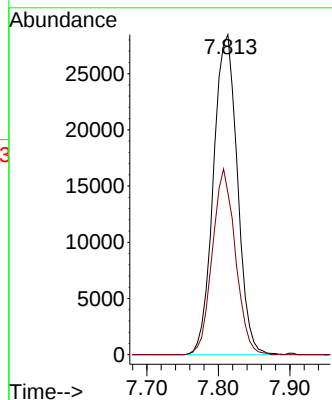
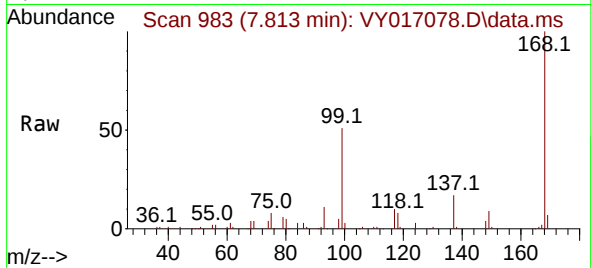




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.813 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY017078.D
Acq: 22 Jan 2024 16:52

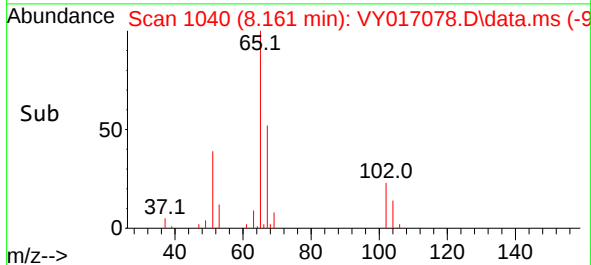
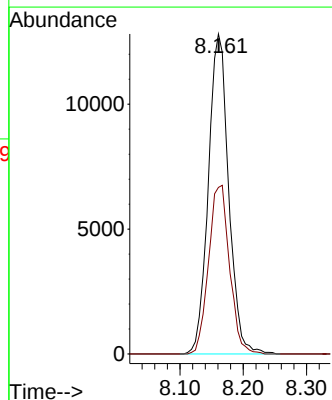
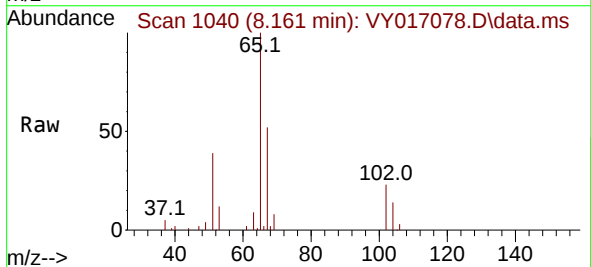
Instrument :
MSVOA_Y
ClientSampleId :
222177

Tgt Ion:168 Resp: 66214
Ion Ratio Lower Upper
168 100
99 50.6 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 43.685 ug/l
RT: 8.161 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY017078.D
Acq: 22 Jan 2024 16:52

Tgt Ion: 65 Resp: 28589
Ion Ratio Lower Upper
65 100
67 54.4 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.709 min Scan# 1128

Delta R.T. 0.006 min

Lab File: VY017078.D

Acq: 22 Jan 2024 16:52

Instrument :

MSVOA_Y

ClientSampleId :

222177

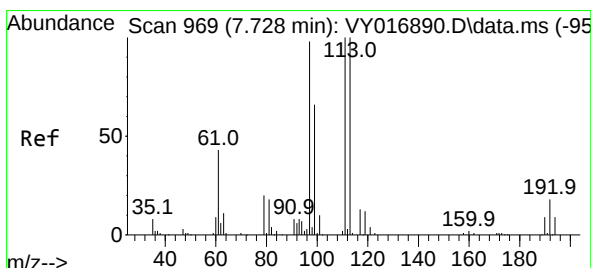
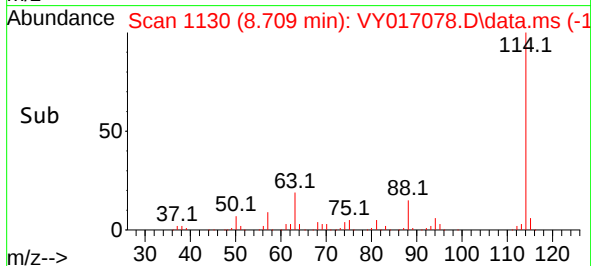
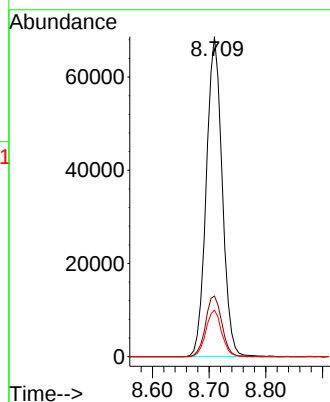
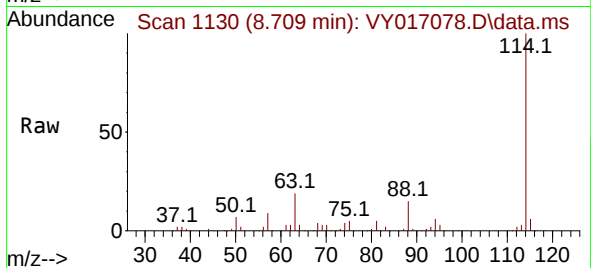
Tgt Ion:114 Resp: 133506

Ion Ratio Lower Upper

114 100

63 18.9 0.0 37.4

88 14.5 0.0 29.0



#35

Dibromofluoromethane

Concen: 37.406 ug/l

RT: 7.740 min Scan# 971

Delta R.T. 0.012 min

Lab File: VY017078.D

Acq: 22 Jan 2024 16:52

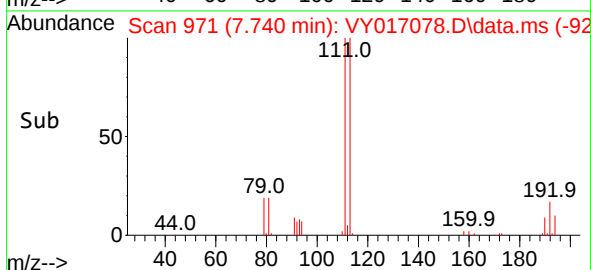
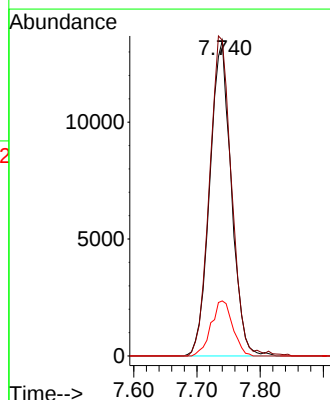
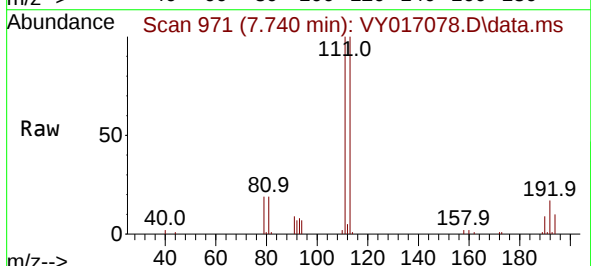
Tgt Ion:113 Resp: 31823

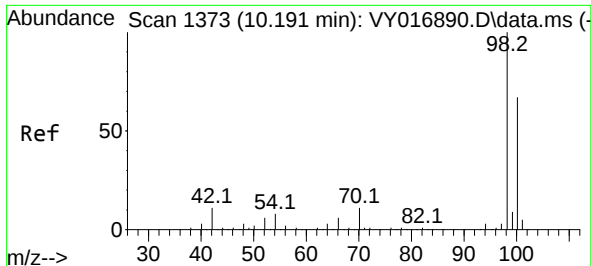
Ion Ratio Lower Upper

113 100

111 103.6 83.8 125.6

192 17.5 14.5 21.7

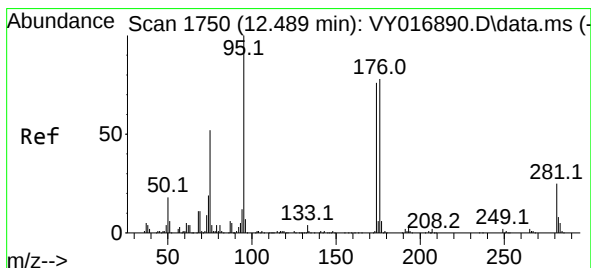
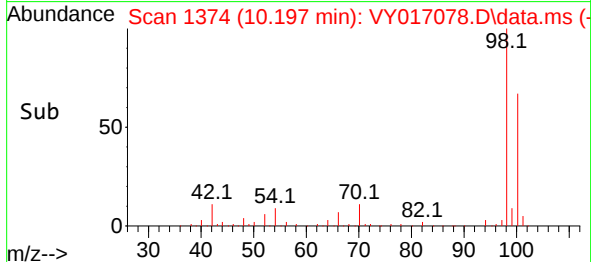
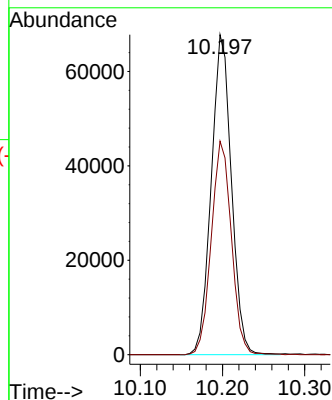
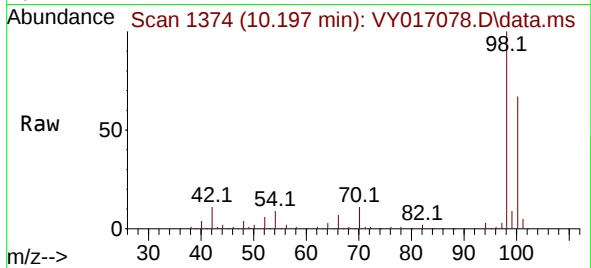




#50
Toluene-d8
Concen: 39.410 ug/l
RT: 10.197 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY017078.D
Acq: 22 Jan 2024 16:52

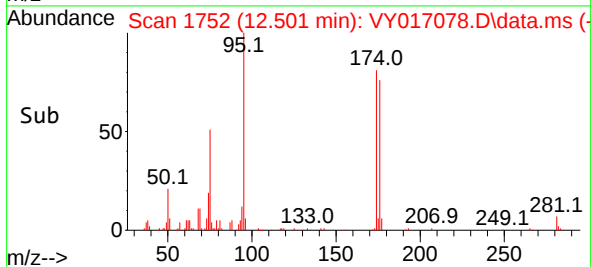
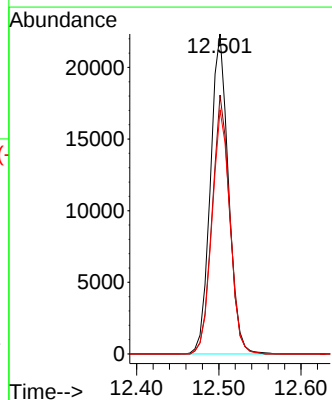
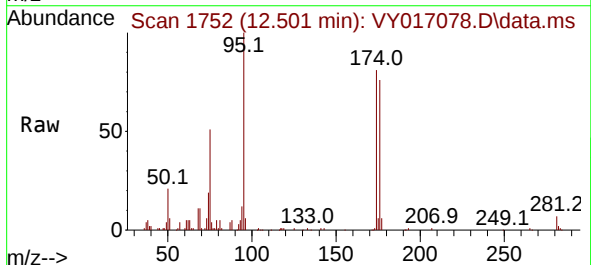
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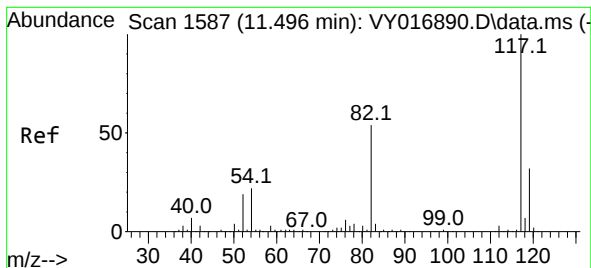
Tgt Ion: 98 Resp: 115455
Ion Ratio Lower Upper
98 100
100 66.5 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 34.416 ug/l
RT: 12.501 min Scan# 1752
Delta R.T. 0.012 min
Lab File: VY017078.D
Acq: 22 Jan 2024 16:52

Tgt Ion: 95 Resp: 34017
Ion Ratio Lower Upper
95 100
174 79.1 0.0 160.0
176 76.3 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.508 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY017078.D

Acq: 22 Jan 2024 16:52

Instrument :

MSVOA_Y

ClientSampleId :

222177

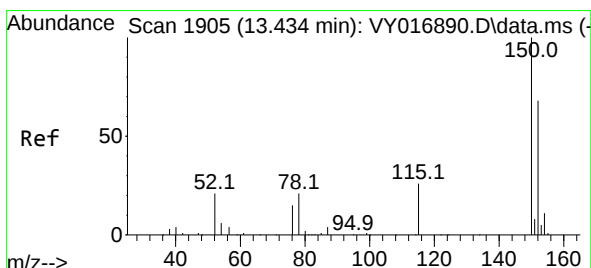
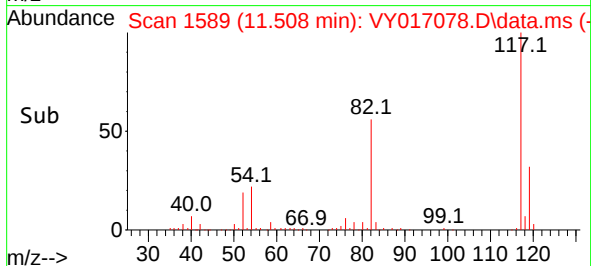
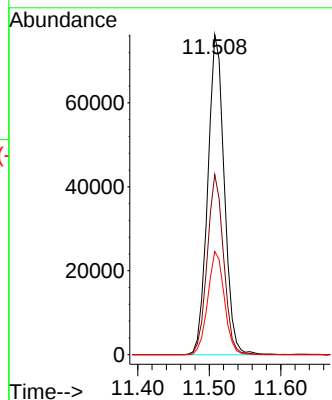
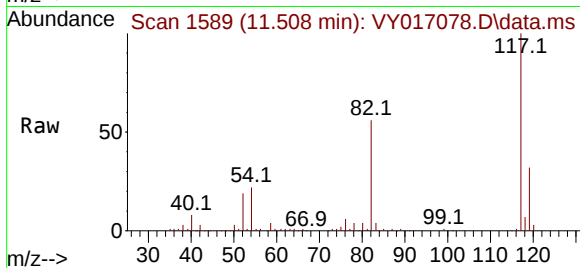
Tgt Ion:117 Resp: 122313

Ion Ratio Lower Upper

117 100

82 56.3 43.8 65.8

119 32.3 26.5 39.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.446 min Scan# 1907

Delta R.T. 0.012 min

Lab File: VY017078.D

Acq: 22 Jan 2024 16:52

Tgt Ion:152 Resp: 44704

Ion Ratio Lower Upper

152 100

115 57.9 30.0 90.0

150 158.2 0.0 344.6

