

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070225\
 Data File : VY022908.D
 Acq On : 02 Jul 2025 13:36
 Operator : SY/MD
 Sample : Q2464-01
 Misc : 5.04g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OR-3-063025

Quant Time: Jul 03 02:21:27 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	305209	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	574379	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	569969	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	245956	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	169496	49.757	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.520%
35) Dibromofluoromethane	7.634	113	177189	50.725	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.460%
50) Toluene-d8	10.109	98	710239	51.240	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	102.480%
62) 4-Bromofluorobenzene	12.401	95	248958	55.872	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	111.740%

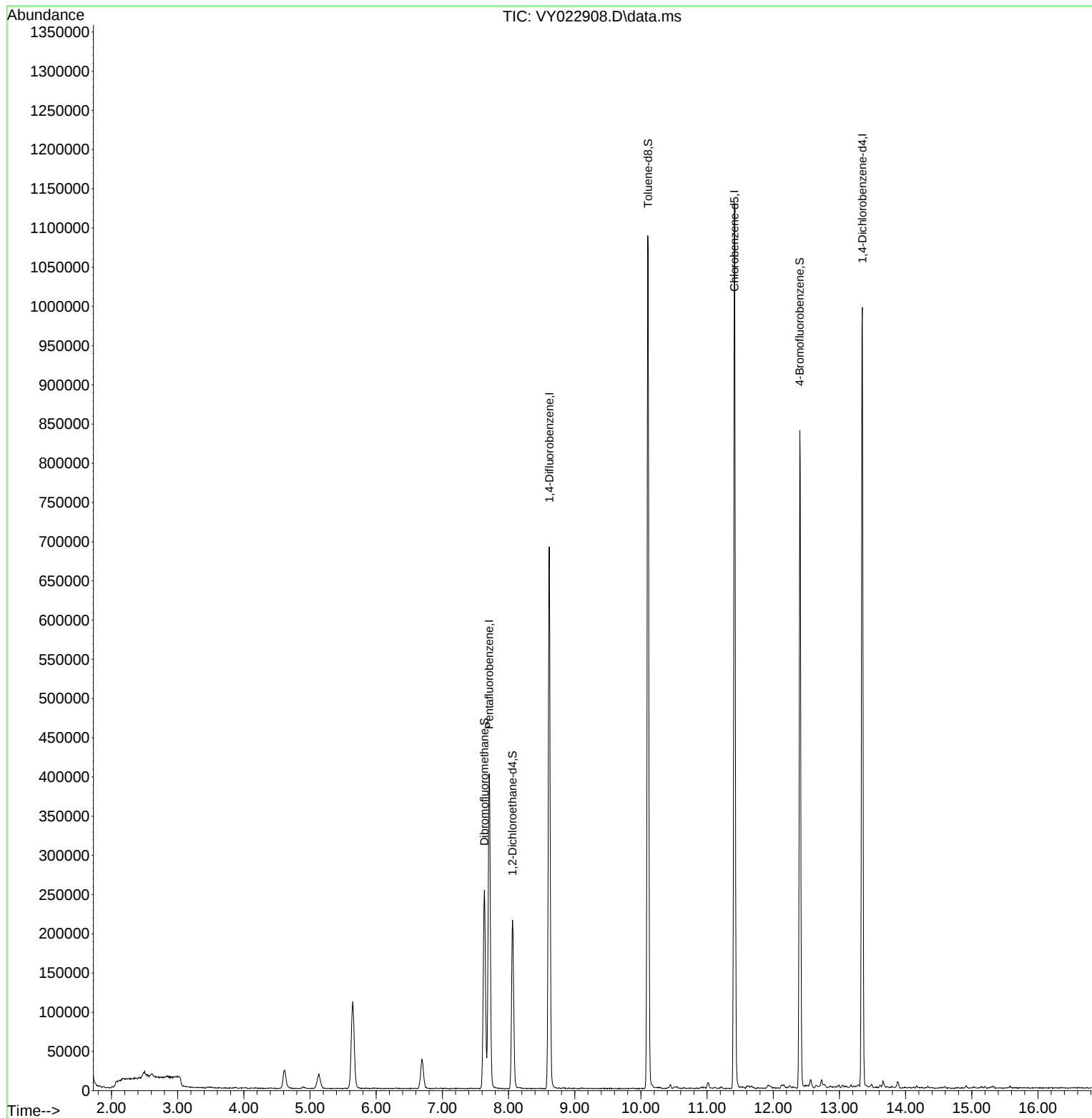
Target Compounds	Qvalue

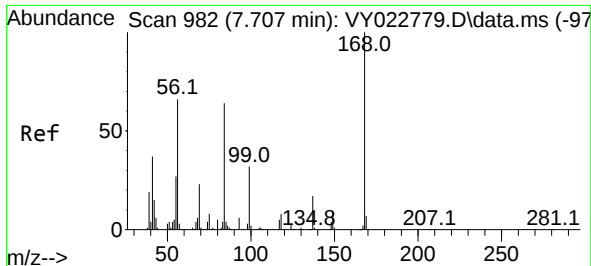
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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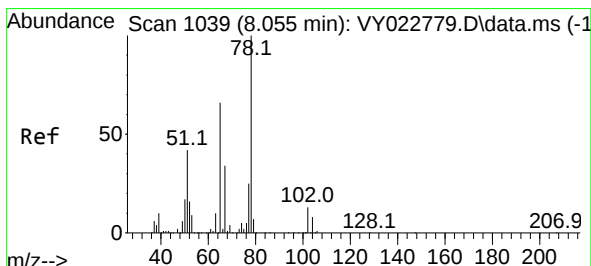
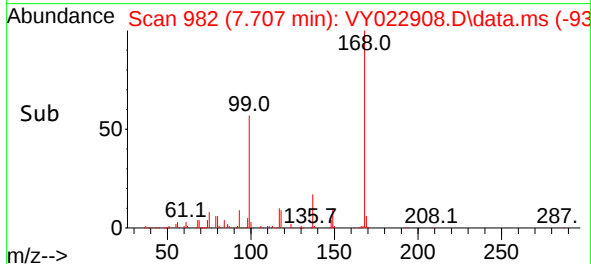
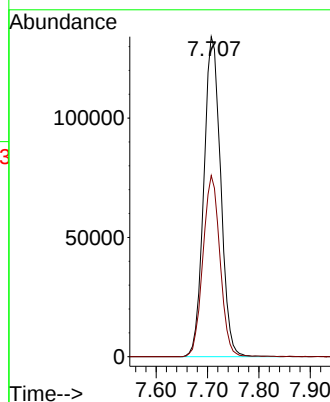
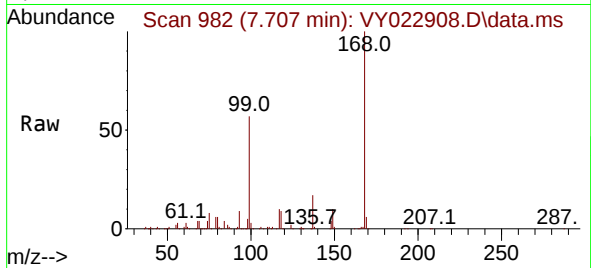




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022908.D
Acq: 02 Jul 2025 13:36

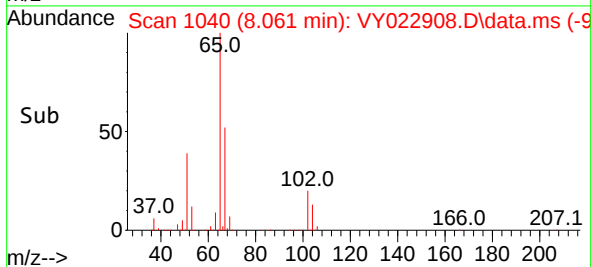
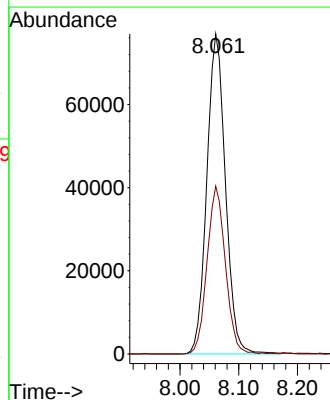
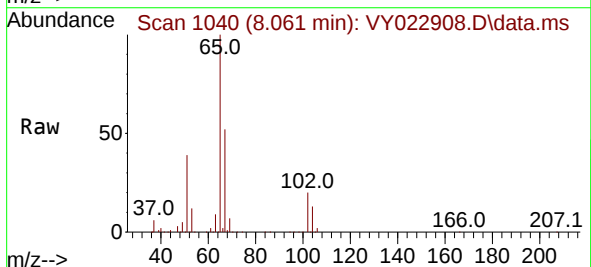
Instrument :
MSVOA_Y
ClientSampleId :
OR-3-063025

Tgt Ion:168 Resp: 305209
Ion Ratio Lower Upper
168 100
99 56.6 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 49.757 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022908.D
Acq: 02 Jul 2025 13:36

Tgt Ion: 65 Resp: 169496
Ion Ratio Lower Upper
65 100
67 51.6 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022908.D

Acq: 02 Jul 2025 13:36

Instrument :

MSVOA_Y

ClientSampleId :

OR-3-063025

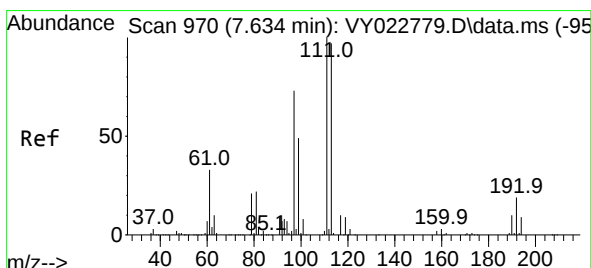
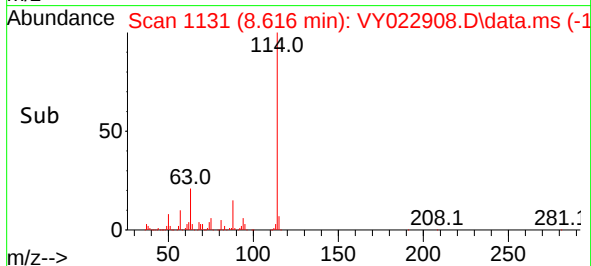
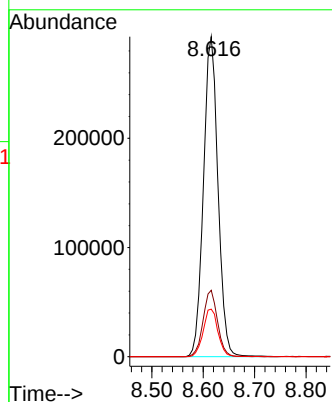
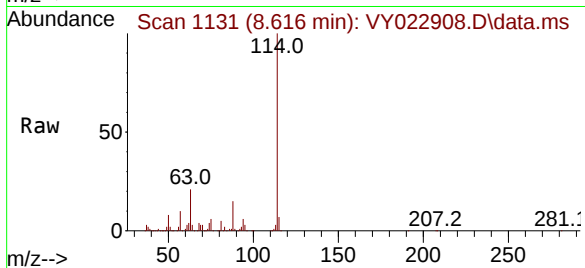
Tgt Ion:114 Resp: 574379

Ion Ratio Lower Upper

114 100

63 20.8 0.0 40.8

88 14.9 0.0 27.8



#35

Dibromofluoromethane

Concen: 50.725 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.006 min

Lab File: VY022908.D

Acq: 02 Jul 2025 13:36

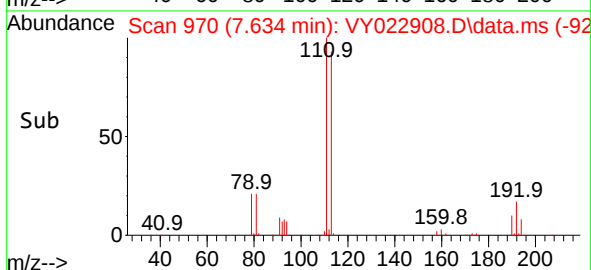
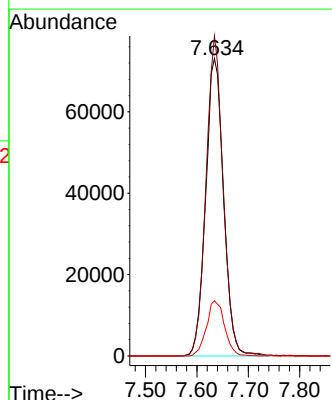
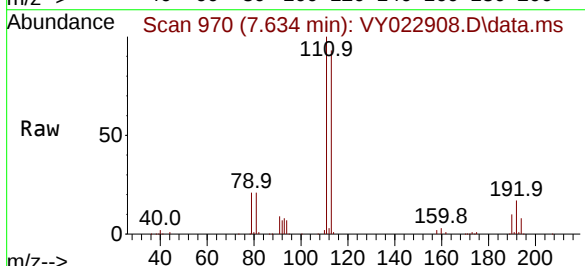
Tgt Ion:113 Resp: 177189

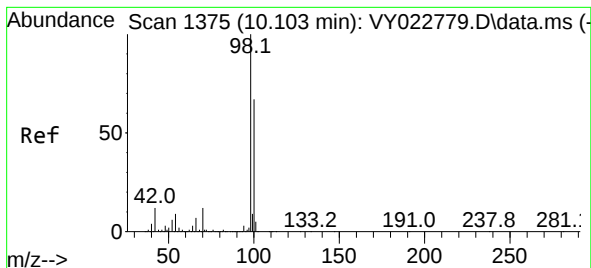
Ion Ratio Lower Upper

113 100

111 103.2 81.1 121.7

192 18.8 14.2 21.2

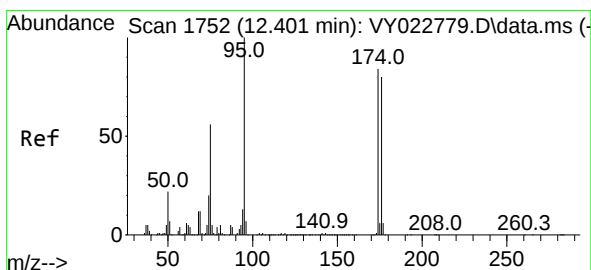
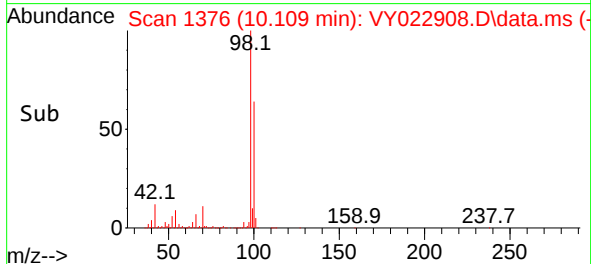
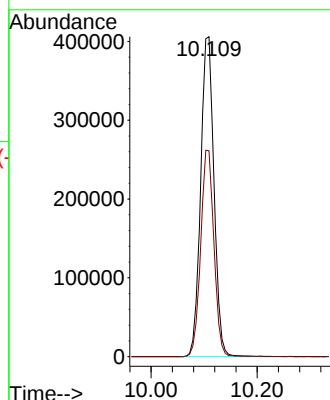
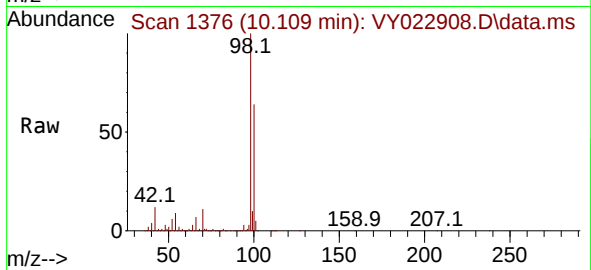




#50
Toluene-d8
Concen: 51.240 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022908.D
Acq: 02 Jul 2025 13:36

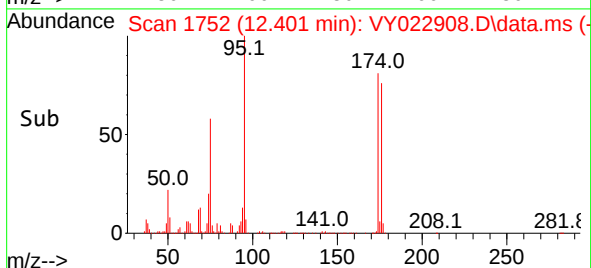
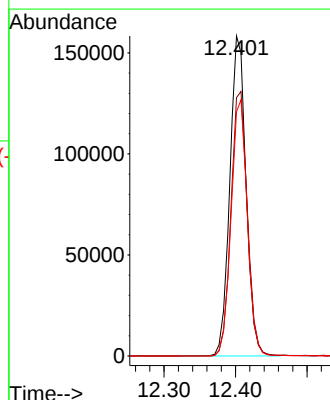
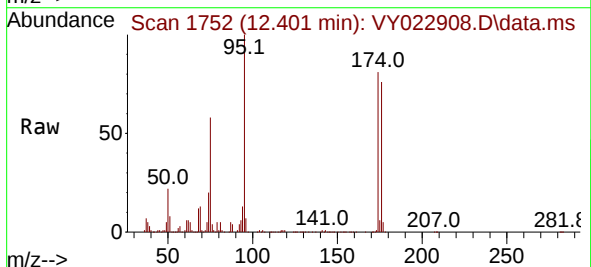
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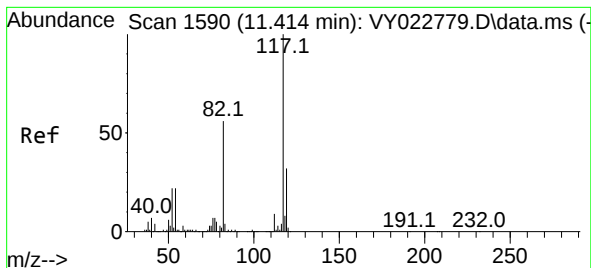
Tgt Ion: 98 Resp: 710239
Ion Ratio Lower Upper
98 100
100 64.2 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 55.872 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022908.D
Acq: 02 Jul 2025 13:36

Tgt Ion: 95 Resp: 248958
Ion Ratio Lower Upper
95 100
174 83.9 0.0 170.0
176 80.0 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022908.D

Acq: 02 Jul 2025 13:36

Instrument :

MSVOA_Y

ClientSampleId :

OR-3-063025

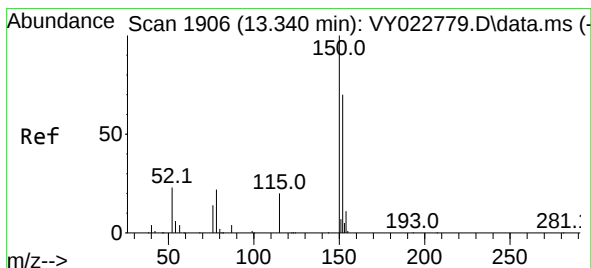
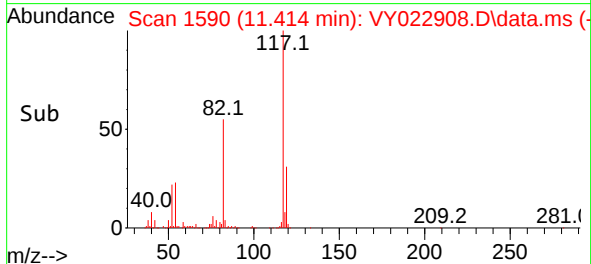
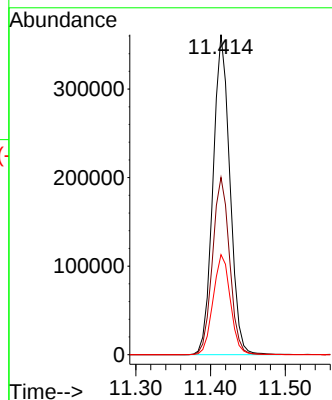
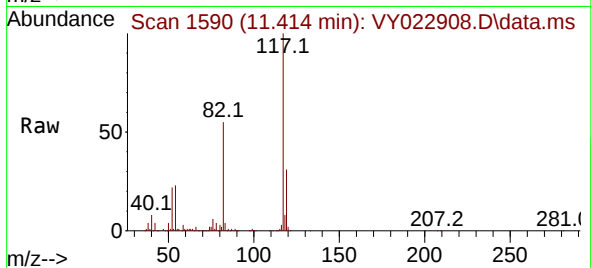
Tgt Ion:117 Resp: 569969

Ion Ratio Lower Upper

117 100

82 55.4 44.6 66.8

119 31.3 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022908.D

Acq: 02 Jul 2025 13:36

Tgt Ion:152 Resp: 245956

Ion Ratio Lower Upper

152 100

115 58.1 28.9 86.7

150 157.1 0.0 349.6

