

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
 Data File : VY022794.D
 Acq On : 24 Jun 2025 13:55
 Operator : SY/MD
 Sample : Q2392-02
 Misc : 5.16g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 S-1A

Quant Time: Jun 25 01:25:47 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	337439	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	618561	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	592770	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	269981	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	193901	51.485	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	102.980%
35) Dibromofluoromethane	7.628	113	191589	50.930	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.860%
50) Toluene-d8	10.103	98	736519	49.340	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.680%
62) 4-Bromofluorobenzene	12.401	95	270040	56.274	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	112.540%

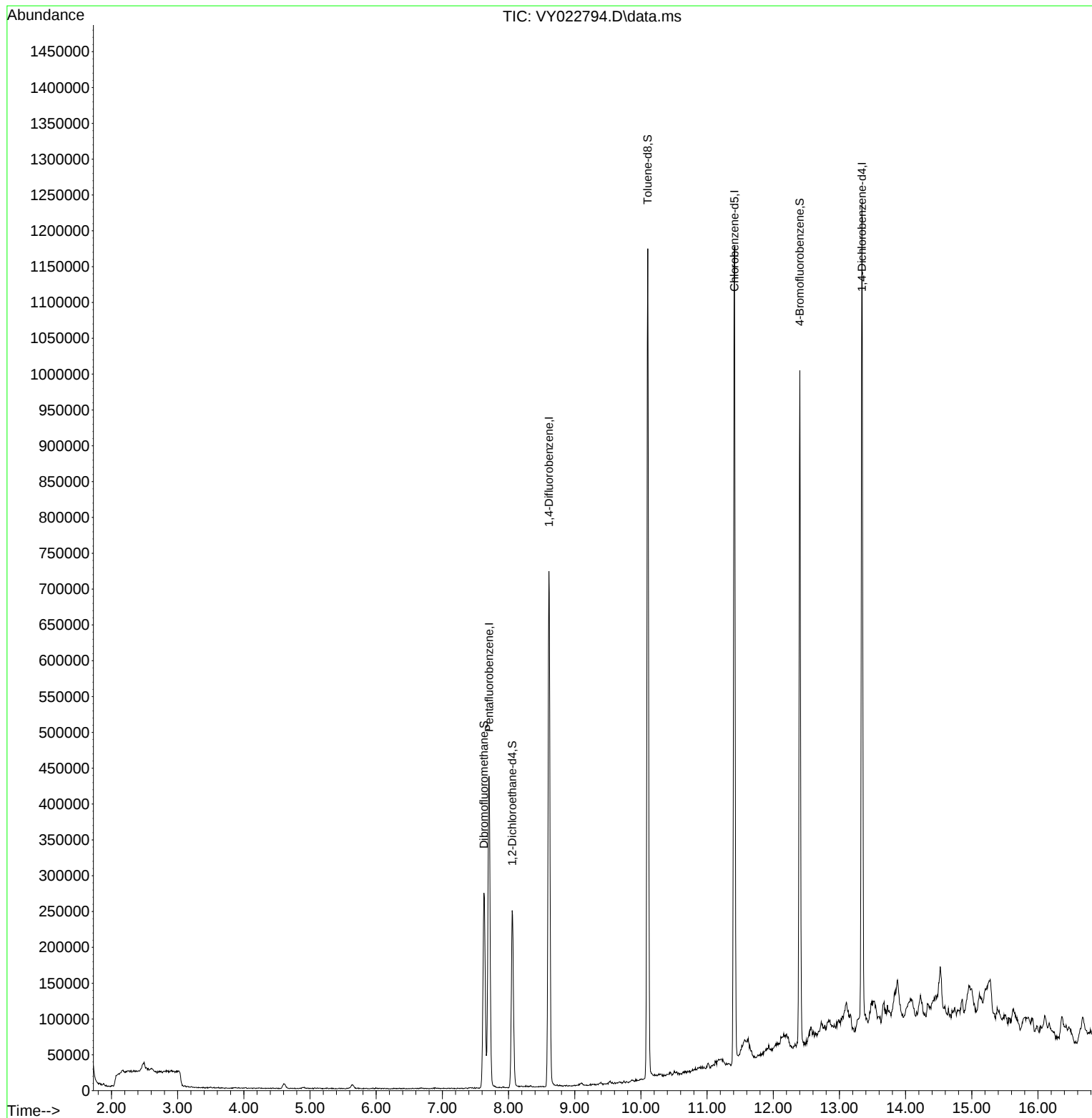
Target Compounds	Qvalue

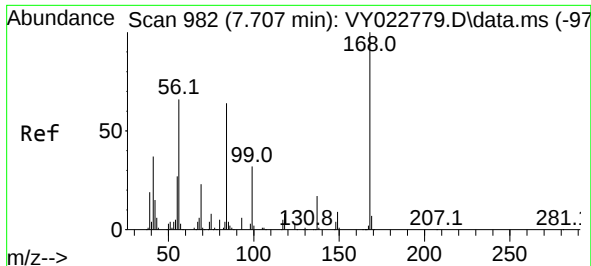
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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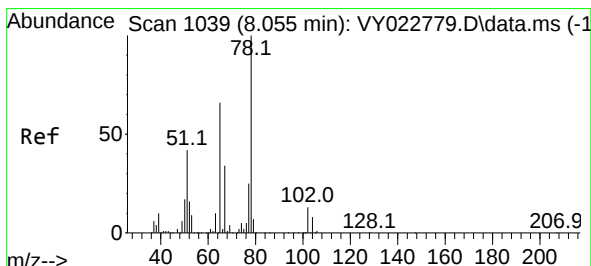
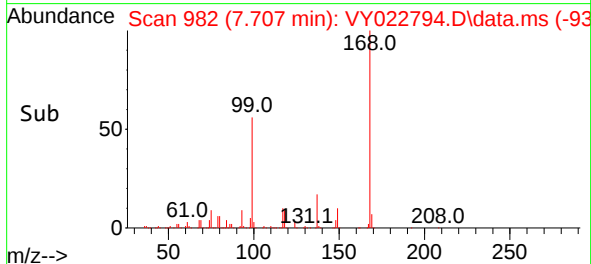
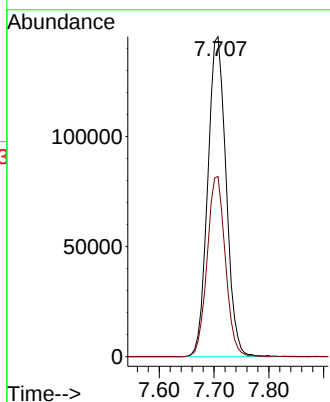
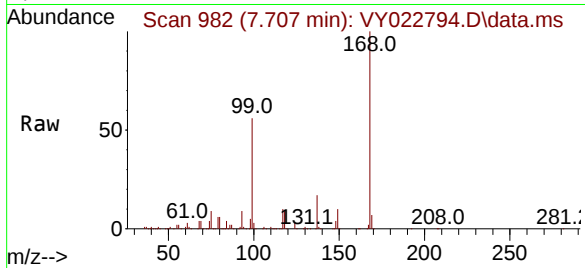




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.006 min
Lab File: VY022794.D
Acq: 24 Jun 2025 13:55

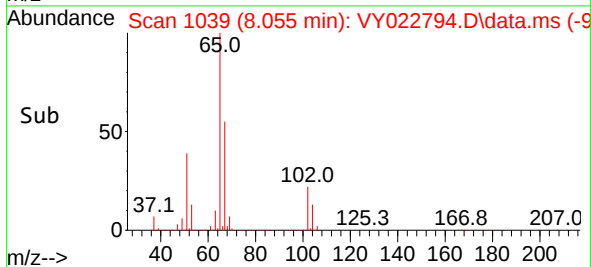
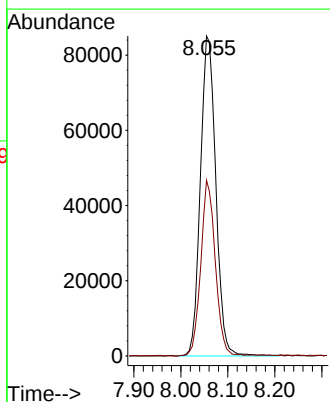
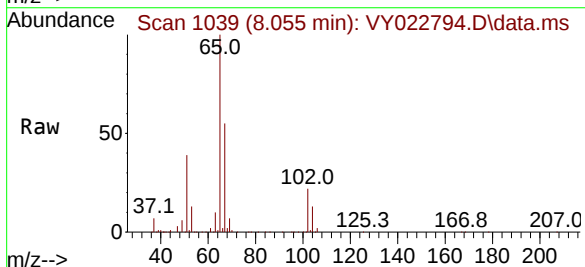
Instrument :
MSVOA_Y
ClientSampleId :
S-1A

Tgt Ion:168 Resp: 337439
Ion Ratio Lower Upper
168 100
99 56.3 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 51.485 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.012 min
Lab File: VY022794.D
Acq: 24 Jun 2025 13:55

Tgt Ion: 65 Resp: 193901
Ion Ratio Lower Upper
65 100
67 51.8 0.0 103.4

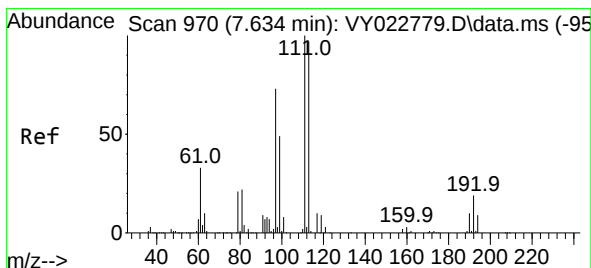
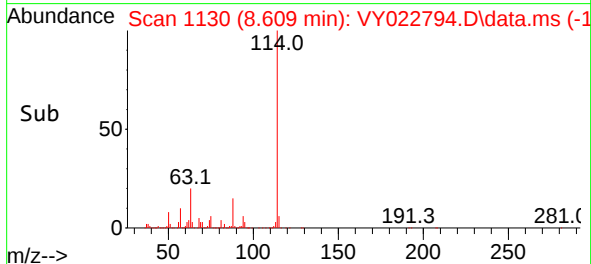
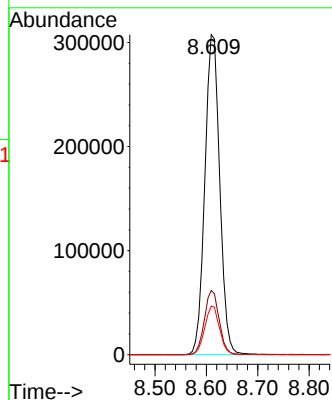
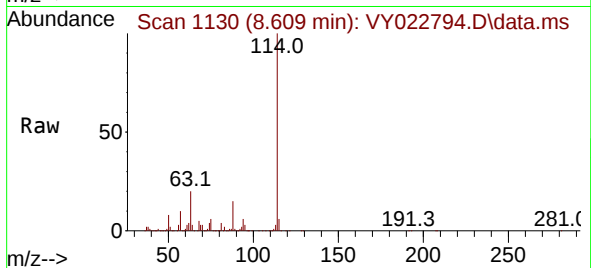




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VY022794.D
Acq: 24 Jun 2025 13:55

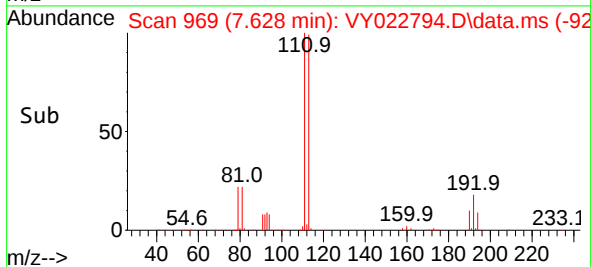
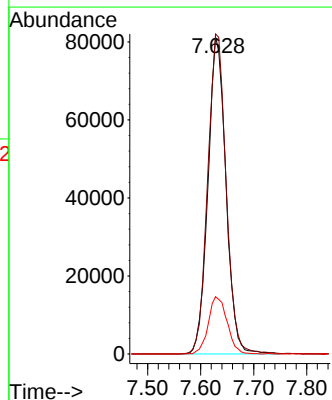
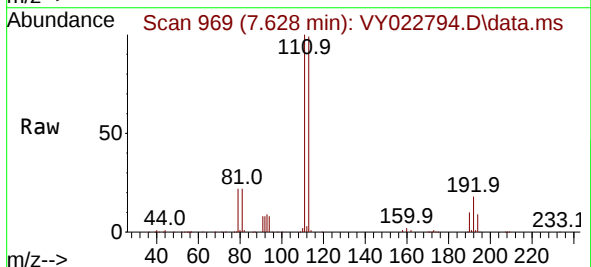
Instrument :
MSVOA_Y
ClientSampleId :
S-1A

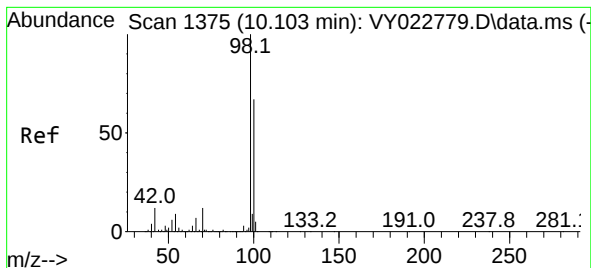
Tgt Ion:114 Resp: 618561
Ion Ratio Lower Upper
114 100
63 20.0 0.0 40.8
88 15.2 0.0 27.8



#35
Dibromofluoromethane
Concen: 50.930 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.012 min
Lab File: VY022794.D
Acq: 24 Jun 2025 13:55

Tgt Ion:113 Resp: 191589
Ion Ratio Lower Upper
113 100
111 103.2 81.1 121.7
192 18.9 14.2 21.2





#50

Toluene-d8

Concen: 49.340 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY022794.D

Acq: 24 Jun 2025 13:55

Instrument :

MSVOA_Y

ClientSampleId :

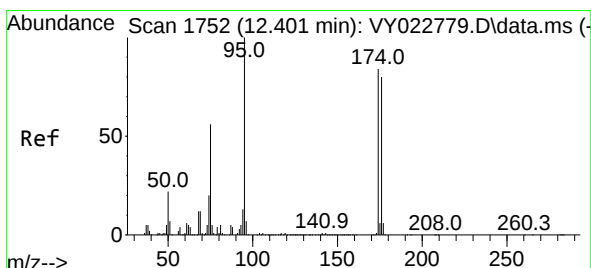
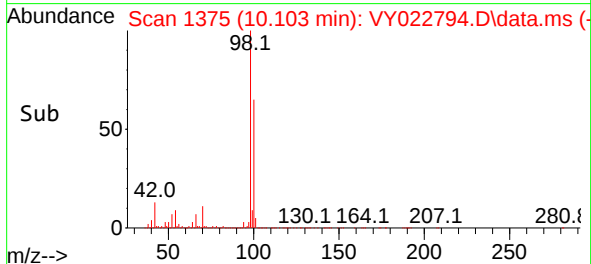
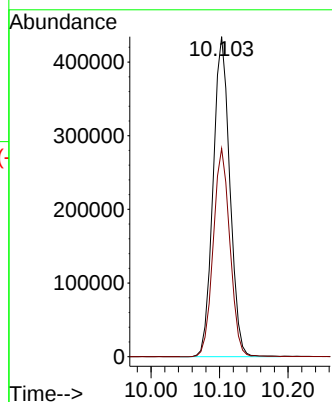
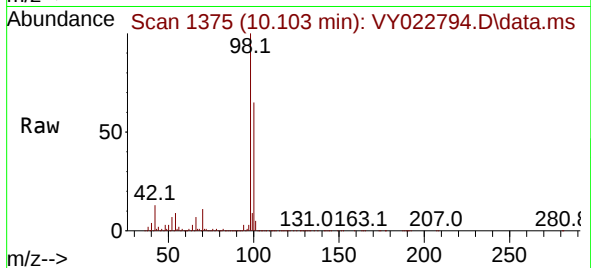
S-1A

Tgt Ion: 98 Resp: 736519

Ion Ratio Lower Upper

98 100

100 64.8 51.4 77.0



#62

4-Bromofluorobenzene

Concen: 56.274 ug/l

RT: 12.401 min Scan# 1752

Delta R.T. -0.006 min

Lab File: VY022794.D

Acq: 24 Jun 2025 13:55

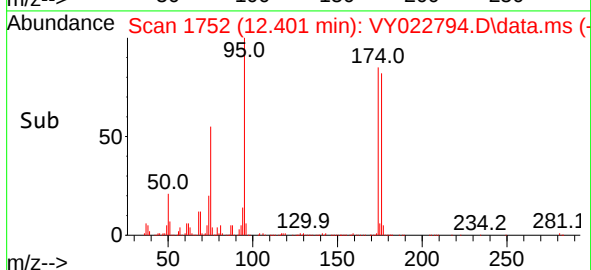
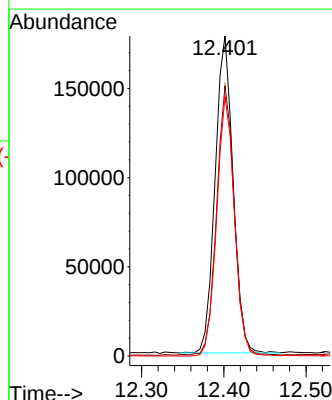
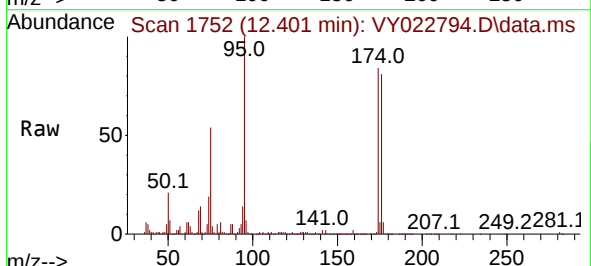
Tgt Ion: 95 Resp: 270040

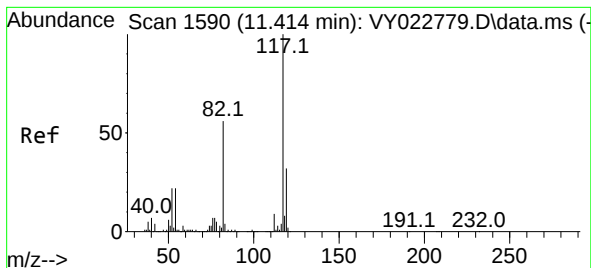
Ion Ratio Lower Upper

95 100

174 83.8 0.0 170.0

176 80.5 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: VY022794.D

Acq: 24 Jun 2025 13:55

Instrument :

MSVOA_Y

ClientSampleId :

S-1A

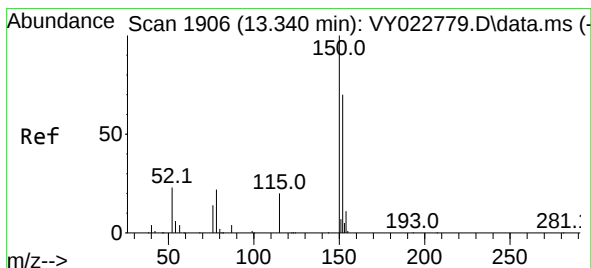
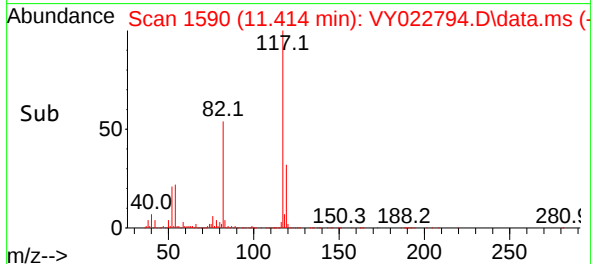
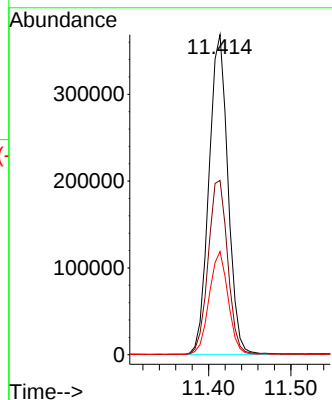
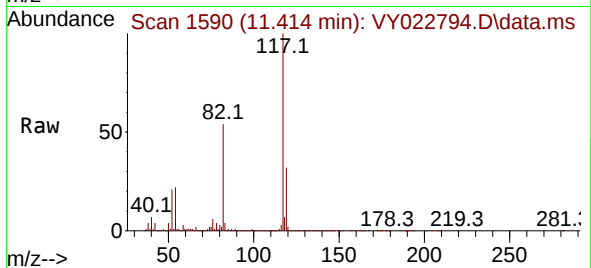
Tgt Ion:117 Resp: 592770

Ion Ratio Lower Upper

117 100

82 54.3 44.6 66.8

119 32.2 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. -0.006 min

Lab File: VY022794.D

Acq: 24 Jun 2025 13:55

Tgt Ion:152 Resp: 269981

Ion Ratio Lower Upper

152 100

115 57.8 28.9 86.7

150 157.2 0.0 349.6

