

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082225\
 Data File : VY023198.D
 Acq On : 22 Aug 2025 17:22
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Aug 25 05:20:12 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	533902	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1019496	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	919046	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	367712	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	285967	56.199	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	112.400%
35) Dibromofluoromethane	7.634	113	328820	53.902	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.800%
50) Toluene-d8	10.109	98	1244722	52.230	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	104.460%
62) 4-Bromofluorobenzene	12.402	95	354428	46.245	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	92.480%

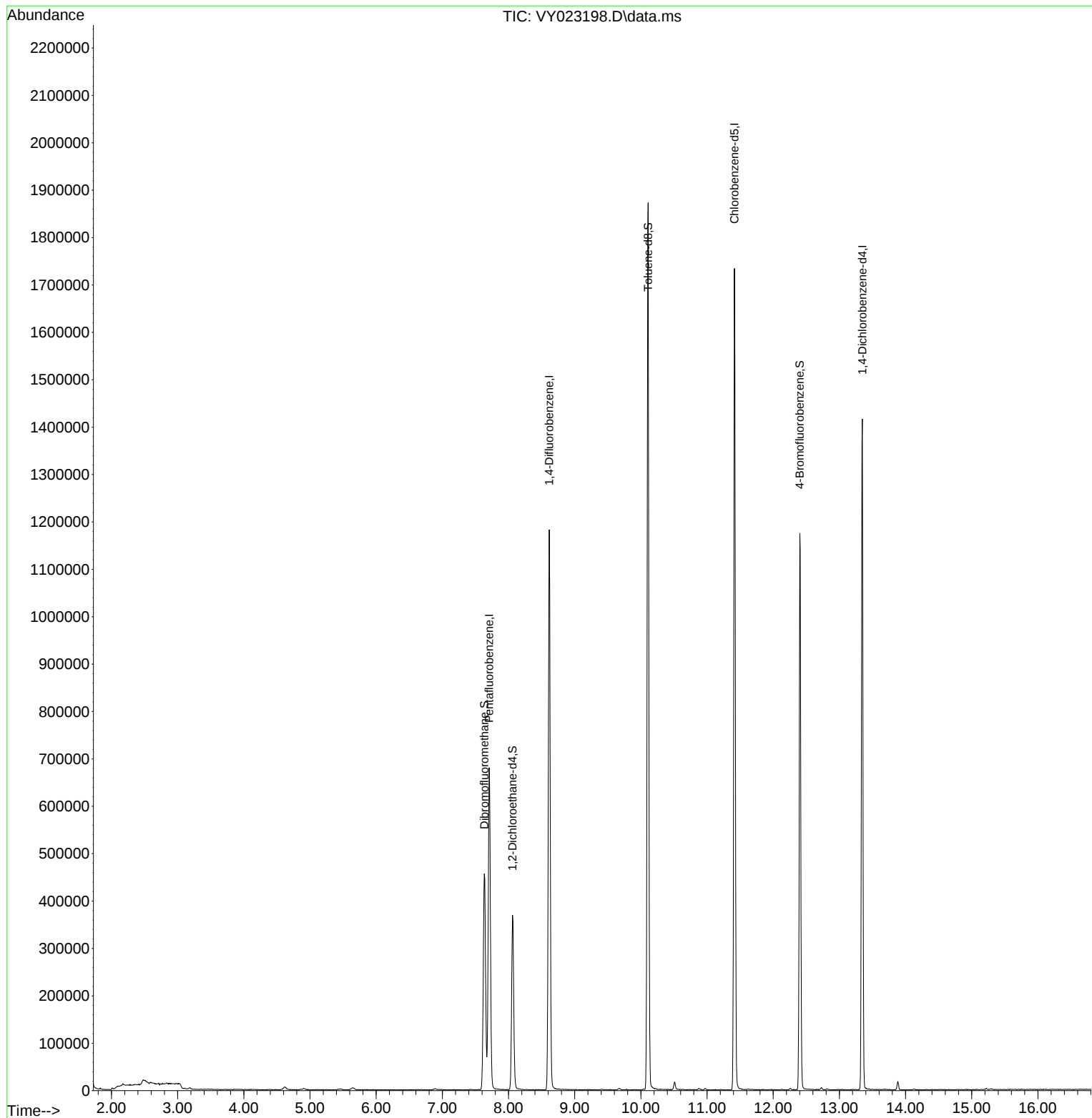
Target Compounds	Qvalue

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

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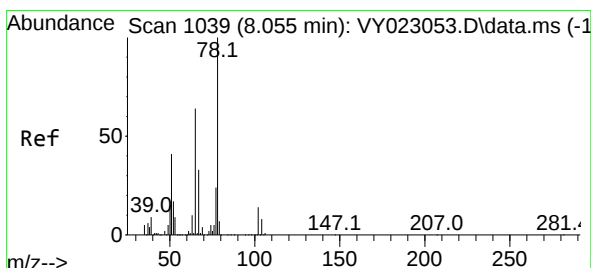
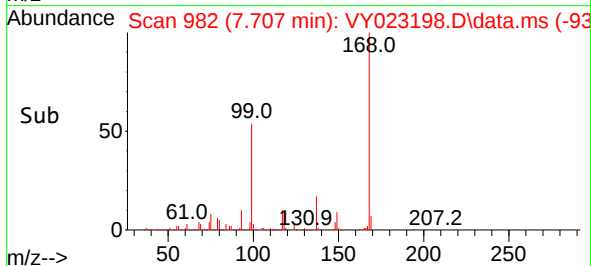
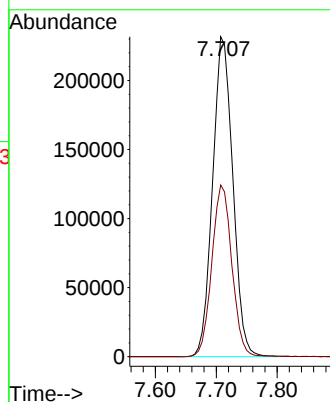
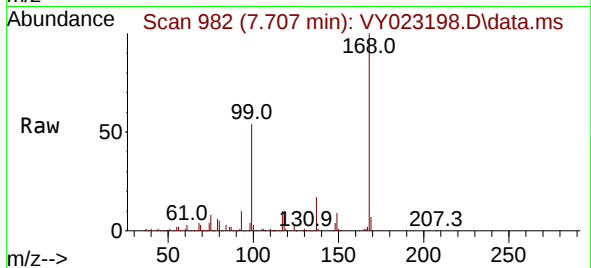




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023198.D
Acq: 22 Aug 2025 17:22

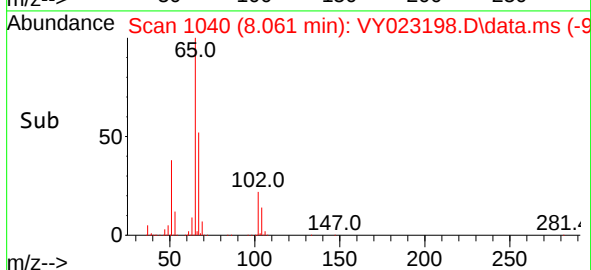
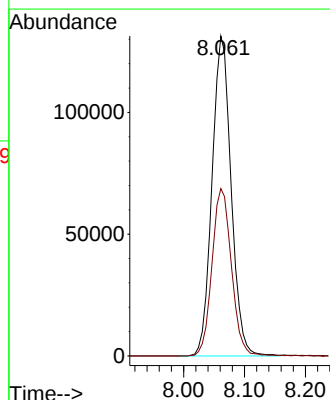
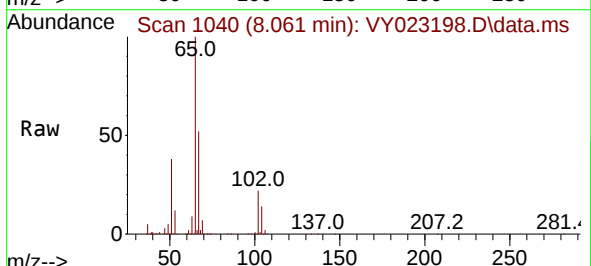
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

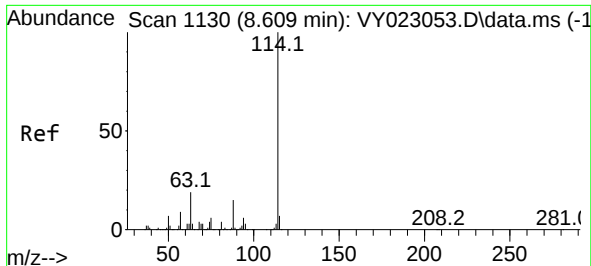
Tgt Ion:168 Resp: 533902
Ion Ratio Lower Upper
168 100
99 53.6 42.8 64.2



#33
1,2-Dichloroethane-d4
Concen: 56.199 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023198.D
Acq: 22 Aug 2025 17:22

Tgt Ion: 65 Resp: 285967
Ion Ratio Lower Upper
65 100
67 53.3 0.0 106.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY023198.D

Acq: 22 Aug 2025 17:22

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

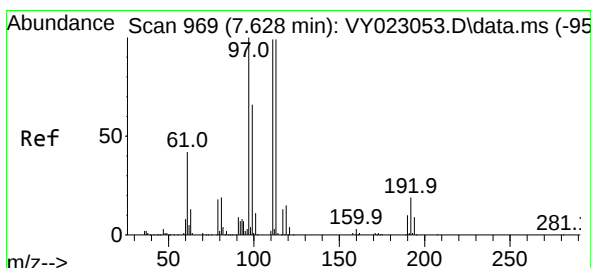
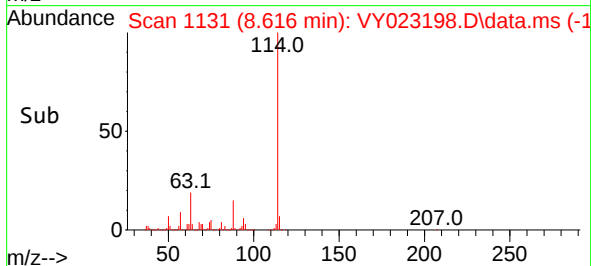
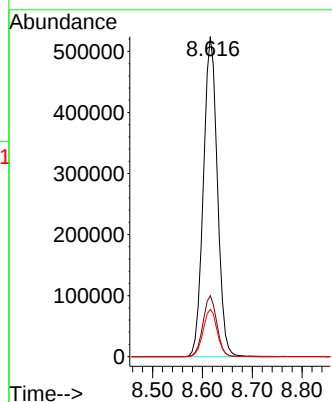
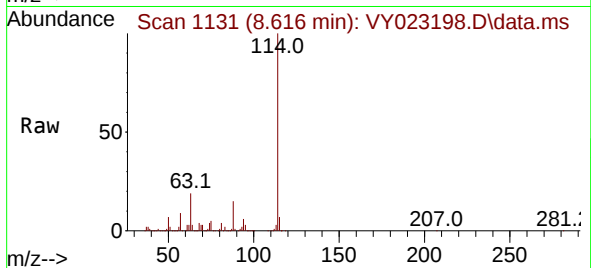
Tgt Ion:114 Resp: 1019496

Ion Ratio Lower Upper

114 100

63 19.1 0.0 38.4

88 14.8 0.0 30.0



#35

Dibromofluoromethane

Concen: 53.902 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.006 min

Lab File: VY023198.D

Acq: 22 Aug 2025 17:22

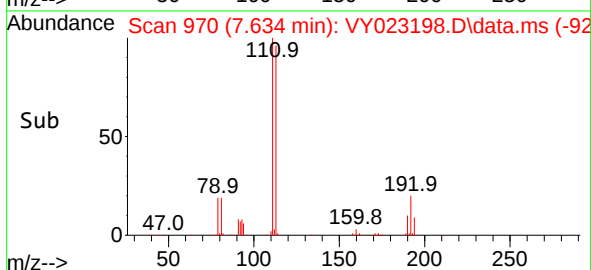
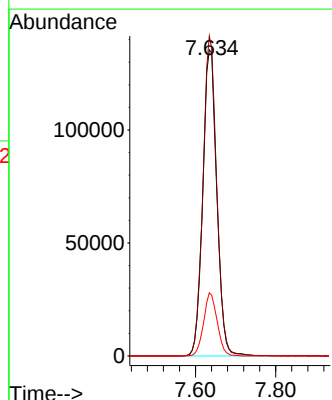
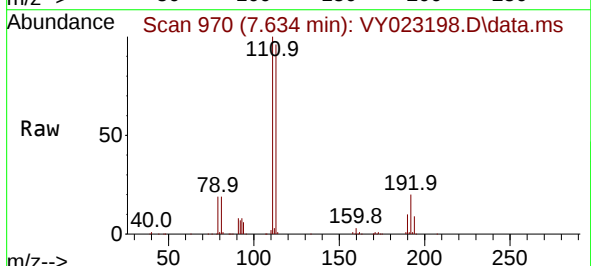
Tgt Ion:113 Resp: 328820

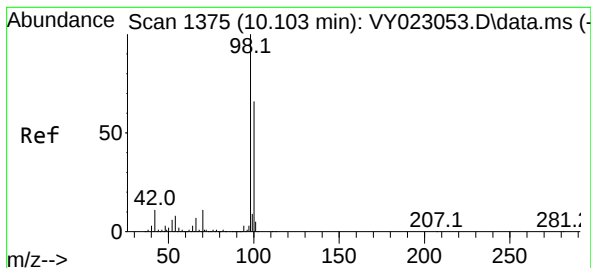
Ion Ratio Lower Upper

113 100

111 102.6 81.1 121.7

192 19.9 16.2 24.4





#50

Toluene-d8

Concen: 52.230 ug/l

RT: 10.109 min Scan# 1375

Delta R.T. 0.006 min

Lab File: VY023198.D

Acq: 22 Aug 2025 17:22

Instrument :

MSVOA_Y

ClientSampleId :

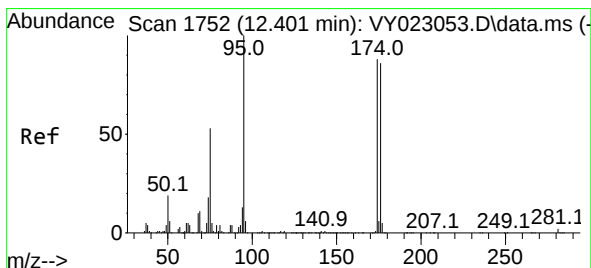
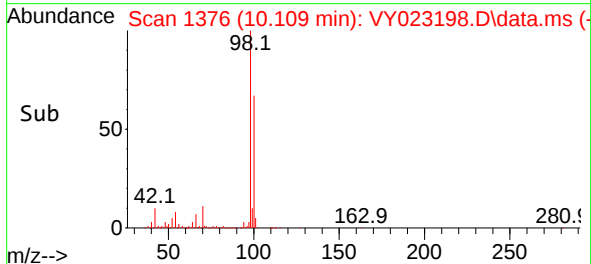
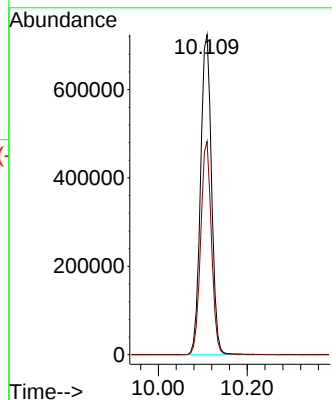
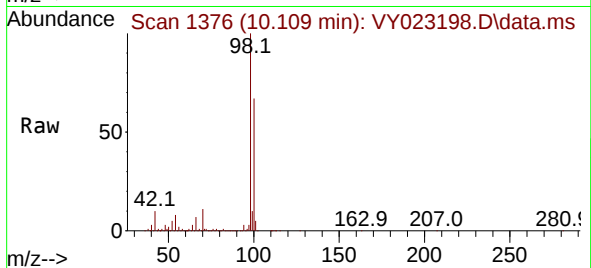
VIBLK

Tgt Ion: 98 Resp: 1244722

Ion Ratio Lower Upper

98 100

100 65.2 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 46.245 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. 0.000 min

Lab File: VY023198.D

Acq: 22 Aug 2025 17:22

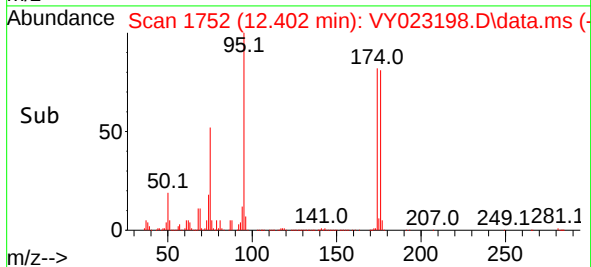
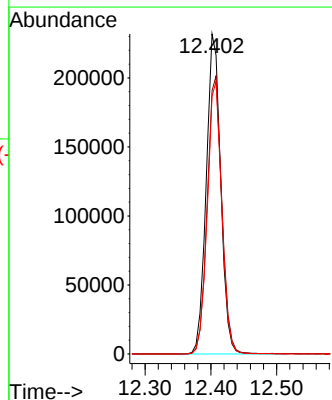
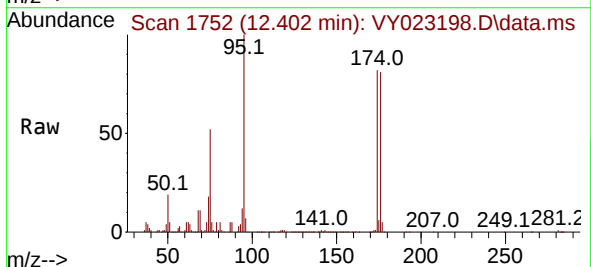
Tgt Ion: 95 Resp: 354428

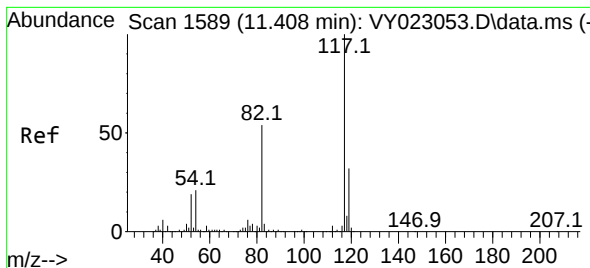
Ion Ratio Lower Upper

95 100

174 88.2 0.0 171.6

176 85.0 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023198.D

Acq: 22 Aug 2025 17:22

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

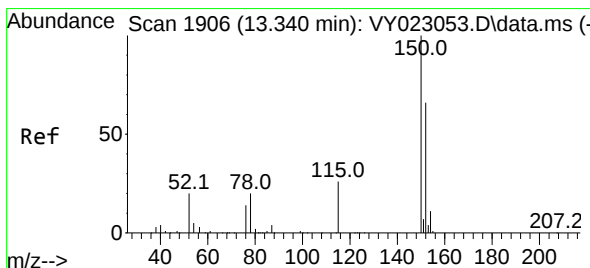
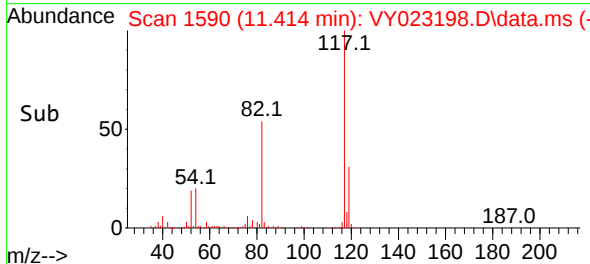
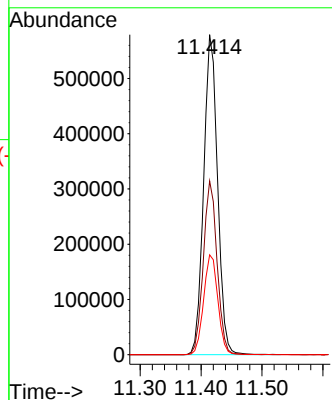
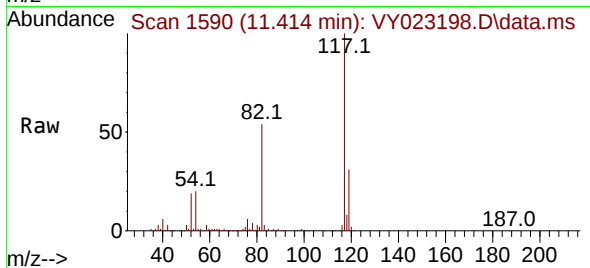
Tgt Ion:117 Resp: 919046

Ion Ratio Lower Upper

117 100

82 54.3 43.4 65.0

119 31.2 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023198.D

Acq: 22 Aug 2025 17:22

Tgt Ion:152 Resp: 367712

Ion Ratio Lower Upper

152 100

115 56.0 28.2 84.6

150 158.1 0.0 348.0

