

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
 Data File : VY023157.D
 Acq On : 19 Aug 2025 17:36
 Operator : SY/MD
 Sample : Q2897-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HD-02-08182025

Quant Time: Aug 20 01:33:33 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	43081	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	55597	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	37366	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	8357	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	15291	37.241	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	74.480%
35) Dibromofluoromethane	7.634	113	12717	38.227	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	76.460%
50) Toluene-d8	10.103	98	59697	45.934	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	91.860%
62) 4-Bromofluorobenzene	12.408	95	11259	26.938	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	53.880%

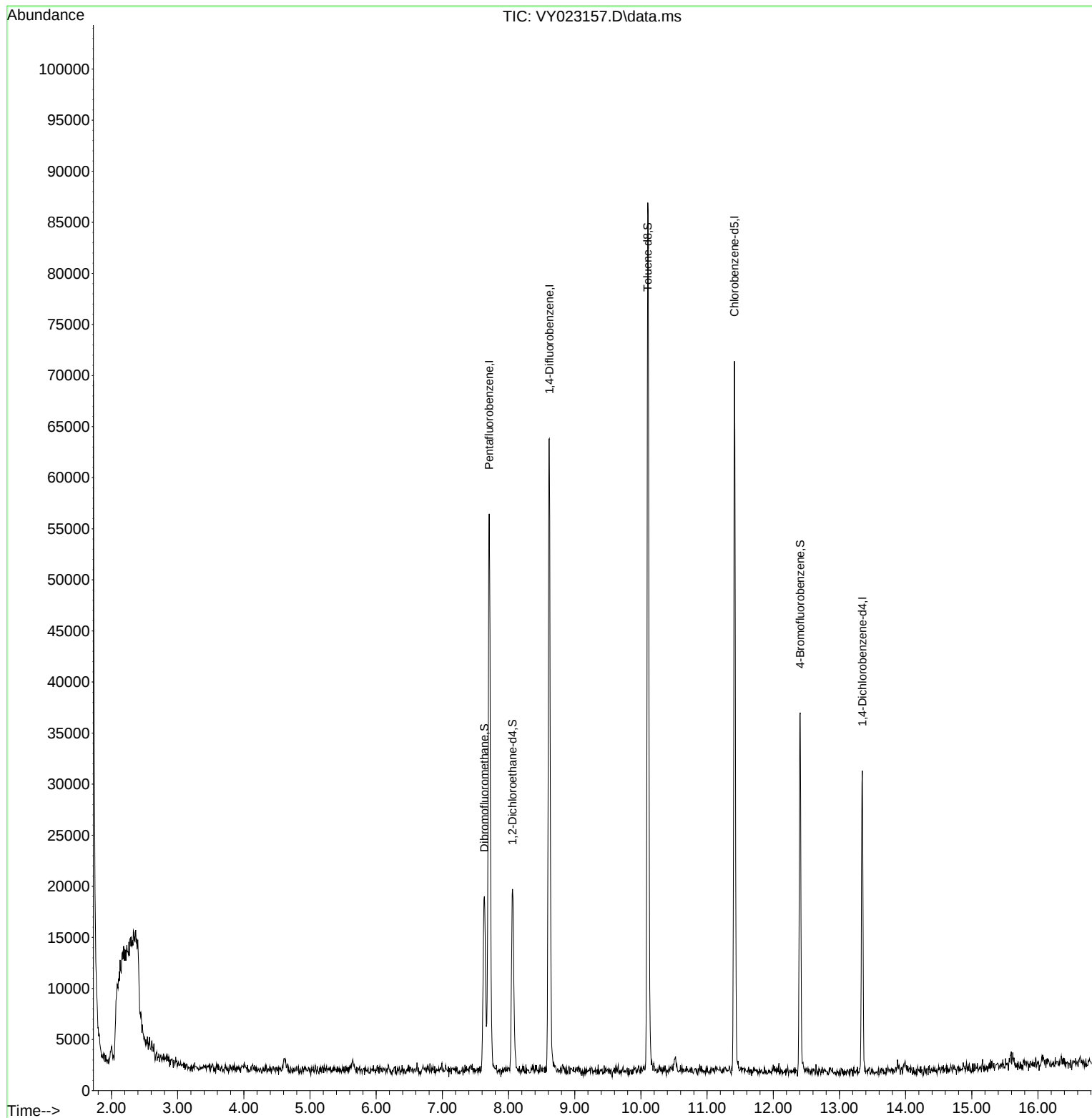
Target Compounds	Qvalue

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

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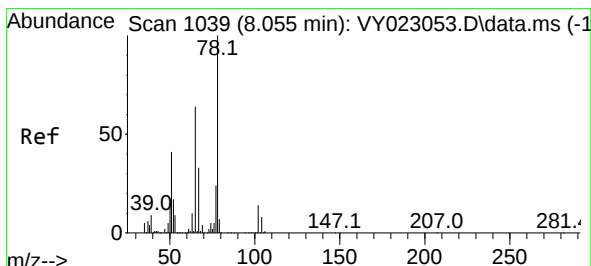
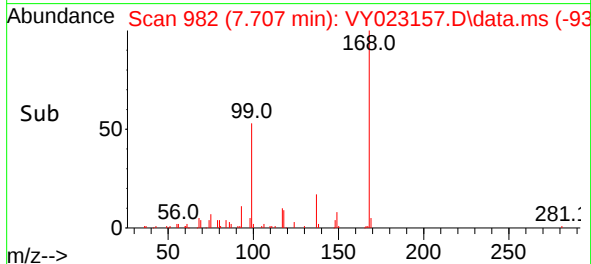
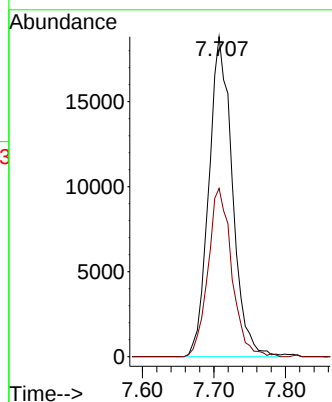
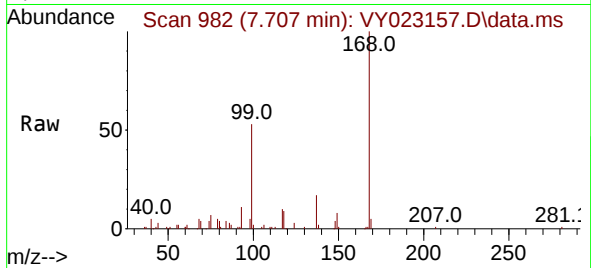




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023157.D
Acq: 19 Aug 2025 17:36

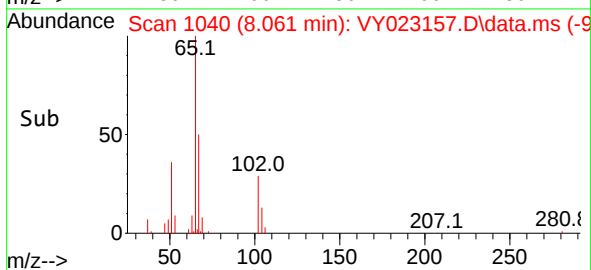
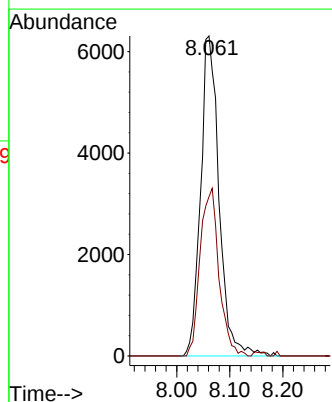
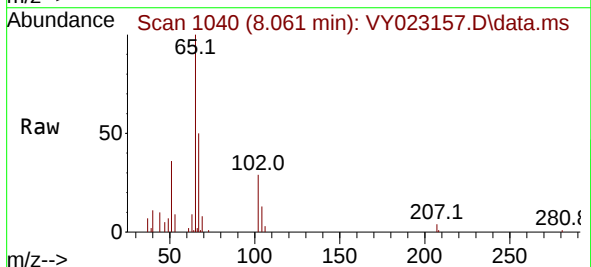
Instrument :
MSVOA_Y
ClientSampleId :
HD-02-08182025

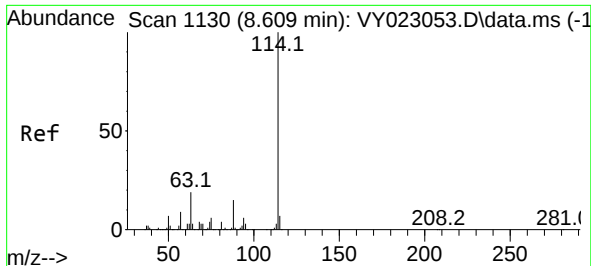
Tgt Ion:168 Resp: 43081
Ion Ratio Lower Upper
168 100
99 52.6 42.8 64.2



#33
1,2-Dichloroethane-d4
Concen: 37.241 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023157.D
Acq: 19 Aug 2025 17:36

Tgt Ion: 65 Resp: 15291
Ion Ratio Lower Upper
65 100
67 53.3 0.0 106.8

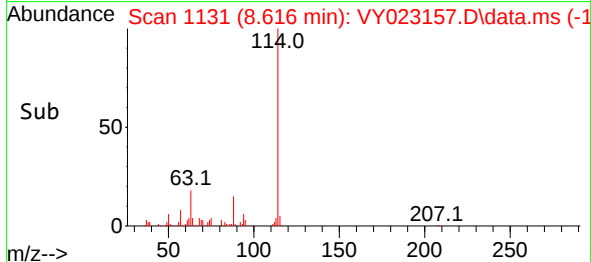
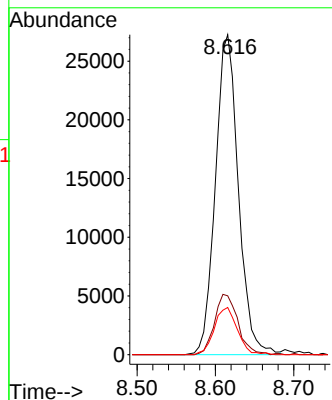
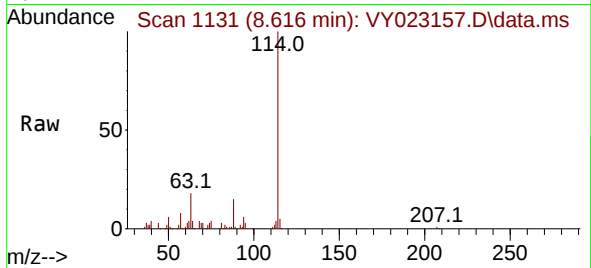




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VY023157.D
Acq: 19 Aug 2025 17:36

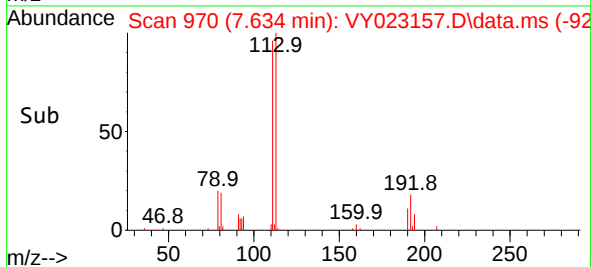
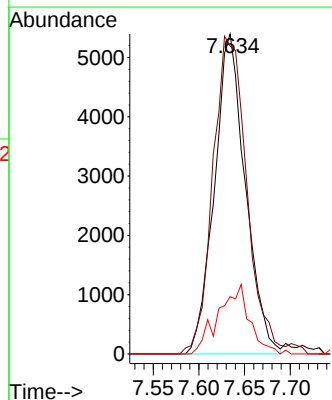
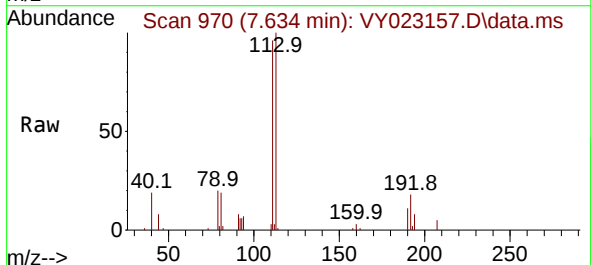
Instrument :
MSVOA_Y
ClientSampleId :
HD-02-08182025

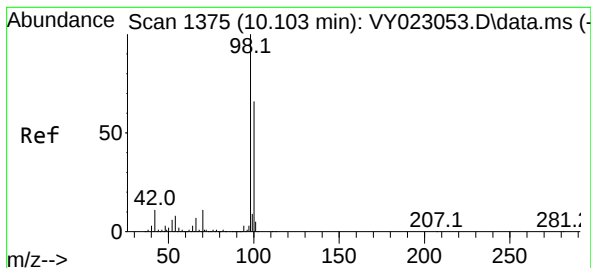
Tgt Ion:114 Resp: 55597
Ion Ratio Lower Upper
114 100
63 18.4 0.0 38.4
88 14.7 0.0 30.0



#35
Dibromofluoromethane
Concen: 38.227 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023157.D
Acq: 19 Aug 2025 17:36

Tgt Ion:113 Resp: 12717
Ion Ratio Lower Upper
113 100
111 108.1 81.1 121.7
192 21.9 16.2 24.4





#50

Toluene-d8

Concen: 45.934 ug/l

RT: 10.103 min Scan# 1

Delta R.T. 0.000 min

Lab File: VY023157.D

Acq: 19 Aug 2025 17:36

Instrument :

MSVOA_Y

ClientSampleId :

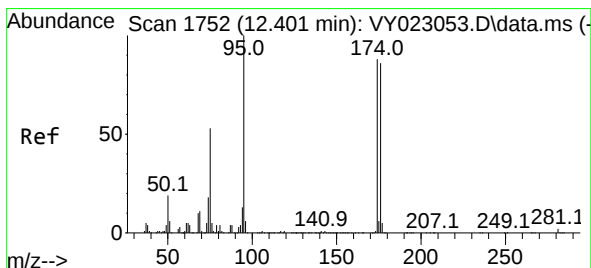
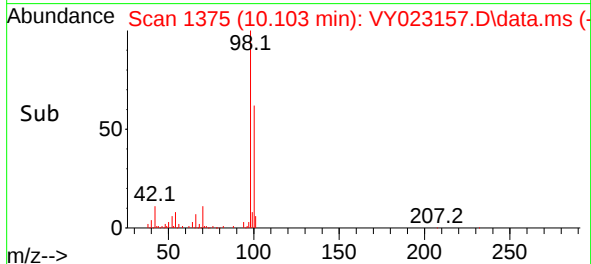
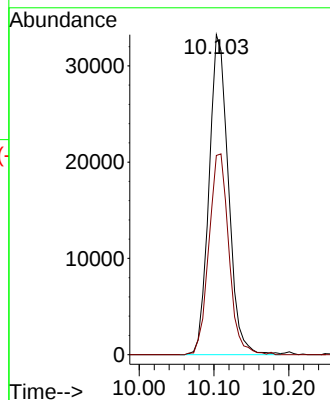
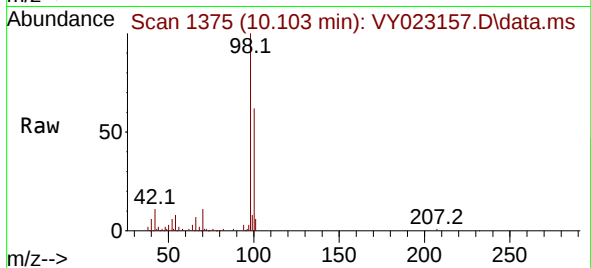
HD-02-08182025

Tgt Ion: 98 Resp: 59697

Ion Ratio Lower Upper

98 100

100 64.9 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 26.938 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.006 min

Lab File: VY023157.D

Acq: 19 Aug 2025 17:36

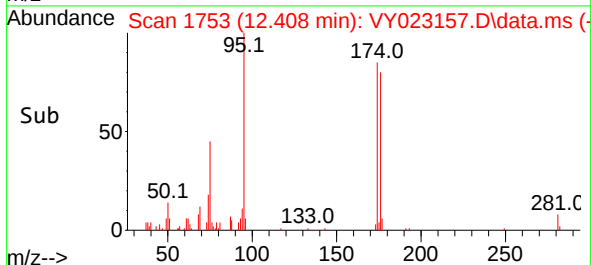
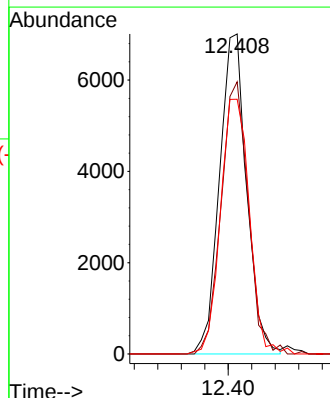
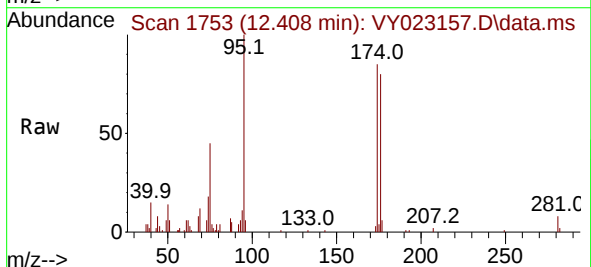
Tgt Ion: 95 Resp: 11259

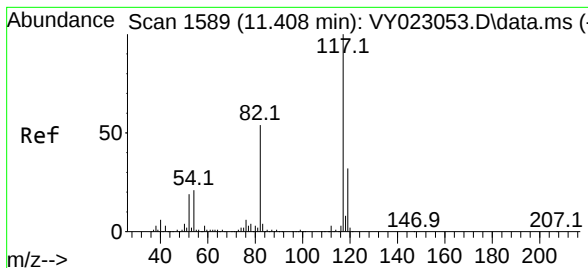
Ion Ratio Lower Upper

95 100

174 84.9 0.0 171.6

176 84.6 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: VY023157.D

Acq: 19 Aug 2025 17:36

Instrument :

MSVOA_Y

ClientSampleId :

HD-02-08182025

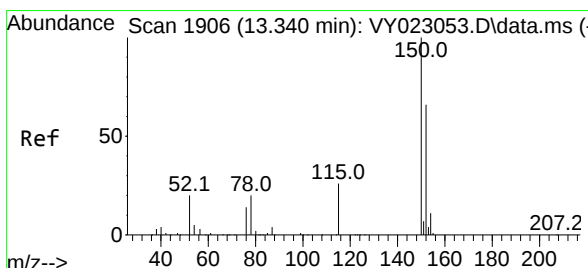
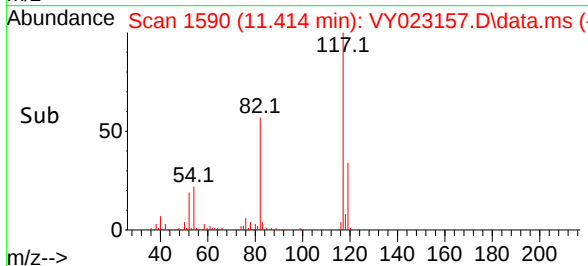
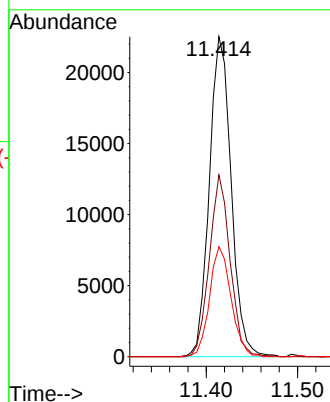
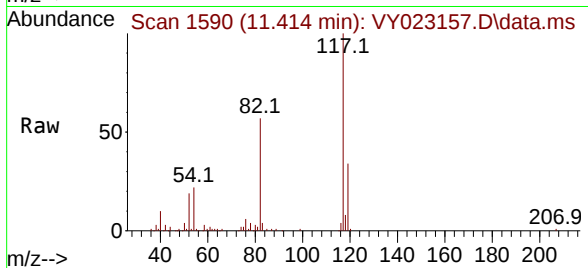
Tgt Ion:117 Resp: 37366

Ion Ratio Lower Upper

117 100

82 56.8 43.4 65.0

119 34.3 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023157.D

Acq: 19 Aug 2025 17:36

Tgt Ion:152 Resp: 8357

Ion Ratio Lower Upper

152 100

115 54.2 28.2 84.6

150 146.5 0.0 348.0

