

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
 Data File : VY023143.D
 Acq On : 19 Aug 2025 12:07
 Operator : SY/MD
 Sample : Q2820-23
 Misc : 4.45g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 22M-E

Quant Time: Aug 20 01:27:37 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	605918	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1109341	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	926207	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	306765	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	329769	57.105	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	114.200%
35) Dibromofluoromethane	7.634	113	350032	52.732	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.460%
50) Toluene-d8	10.103	98	1316385	50.764	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.520%
62) 4-Bromofluorobenzene	12.402	95	345633	41.445	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	82.880%

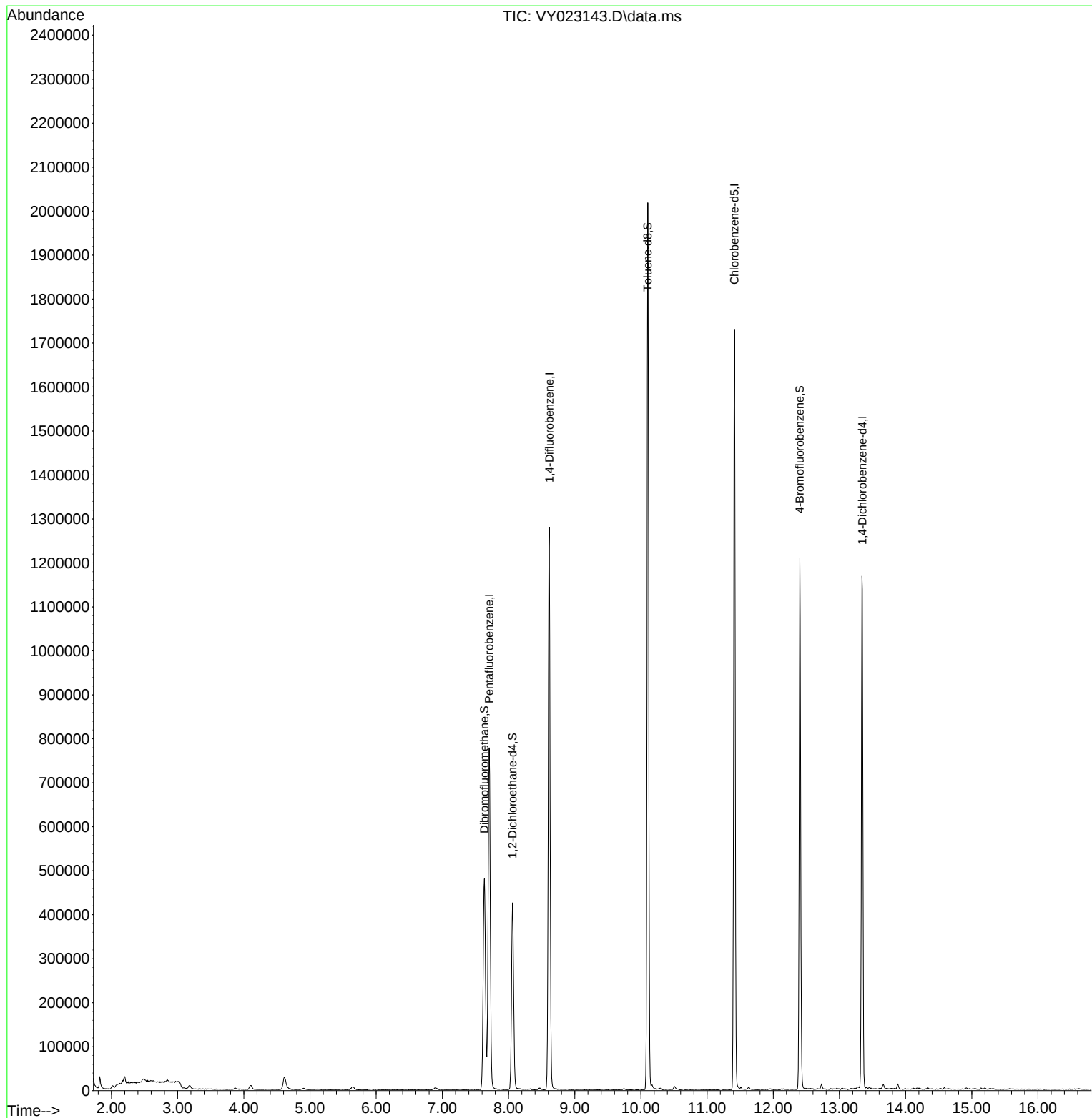
Target Compounds	Qvalue

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

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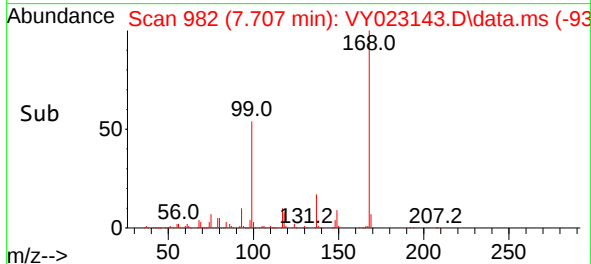
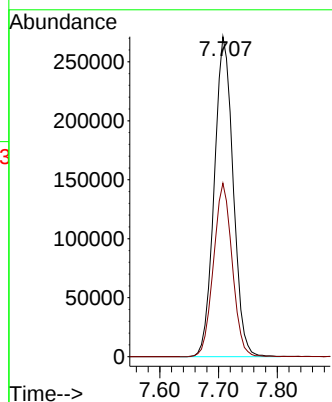
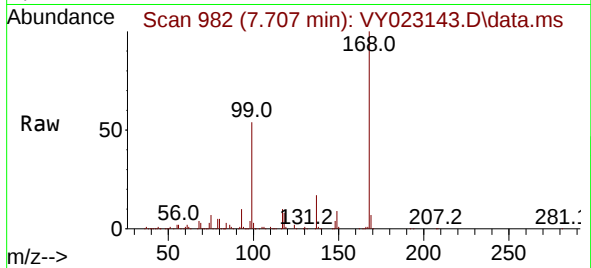




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023143.D
Acq: 19 Aug 2025 12:07

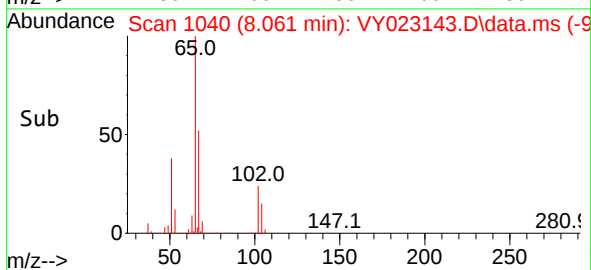
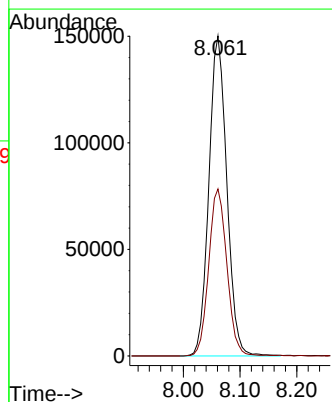
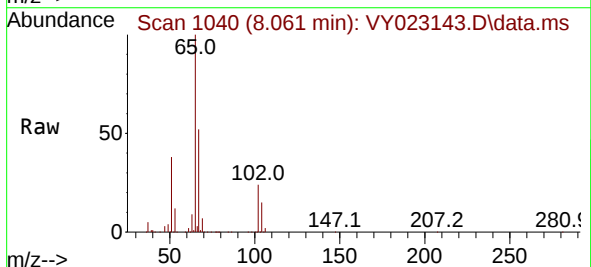
Instrument :
MSVOA_Y
ClientSampleId :
22M-E

Tgt Ion:168 Resp: 605918
Ion Ratio Lower Upper
168 100
99 54.2 42.8 64.2



#33
1,2-Dichloroethane-d4
Concen: 57.105 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023143.D
Acq: 19 Aug 2025 12:07

Tgt Ion: 65 Resp: 329769
Ion Ratio Lower Upper
65 100
67 52.9 0.0 106.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023143.D

Acq: 19 Aug 2025 12:07

Instrument :

MSVOA_Y

ClientSampleId :

22M-E

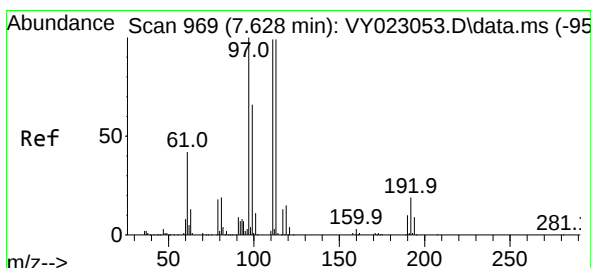
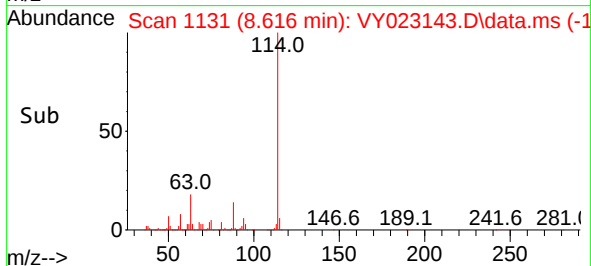
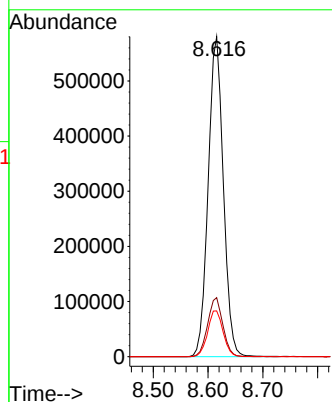
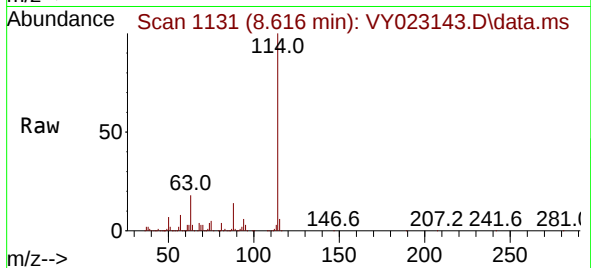
Tgt Ion:114 Resp: 1109341

Ion Ratio Lower Upper

114 100

63 18.5 0.0 38.4

88 14.3 0.0 30.0



#35

Dibromofluoromethane

Concen: 52.732 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.006 min

Lab File: VY023143.D

Acq: 19 Aug 2025 12:07

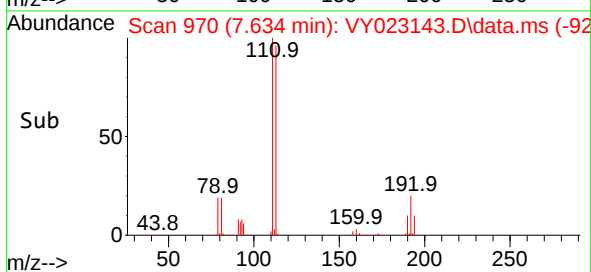
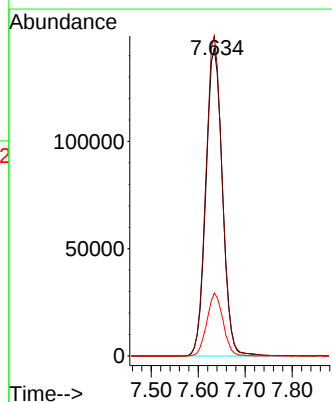
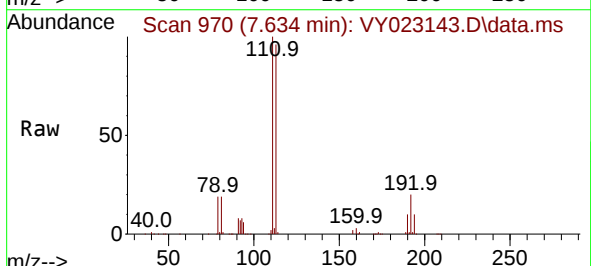
Tgt Ion:113 Resp: 350032

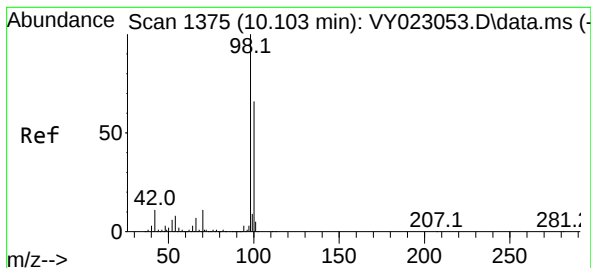
Ion Ratio Lower Upper

113 100

111 102.7 81.1 121.7

192 20.0 16.2 24.4





#50

Toluene-d8

Concen: 50.764 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. 0.000 min

Lab File: VY023143.D

Acq: 19 Aug 2025 12:07

Instrument :

MSVOA_Y

ClientSampleId :

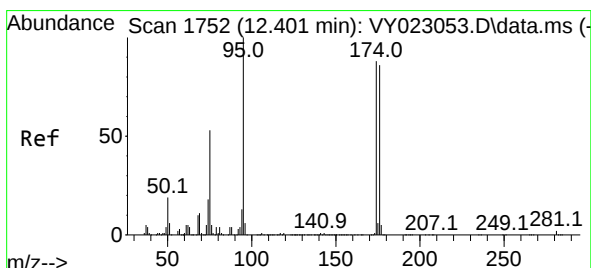
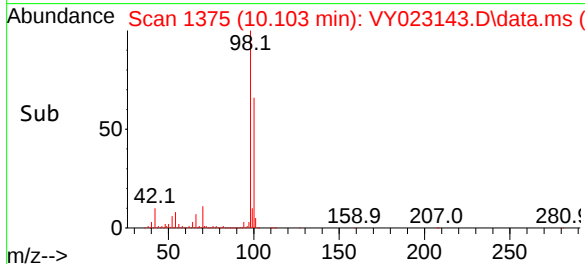
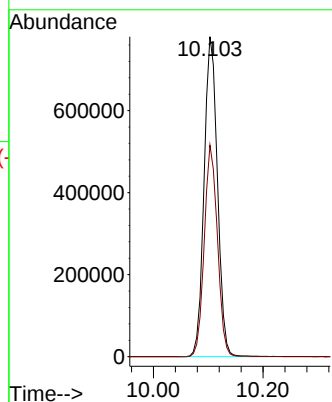
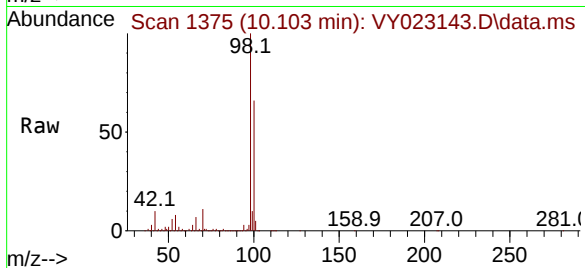
22M-E

Tgt Ion: 98 Resp: 1316385

Ion Ratio Lower Upper

98 100

100 65.2 52.3 78.5



#62

4-Bromofluorobenzene

Concen: 41.445 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. 0.000 min

Lab File: VY023143.D

Acq: 19 Aug 2025 12:07

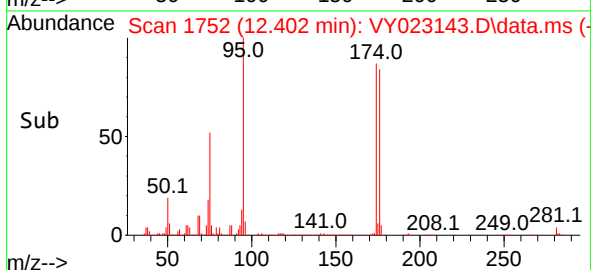
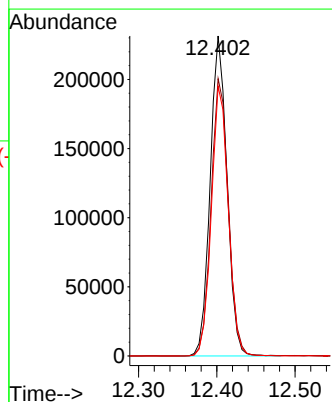
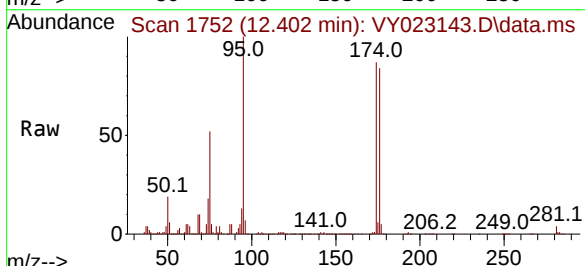
Tgt Ion: 95 Resp: 345633

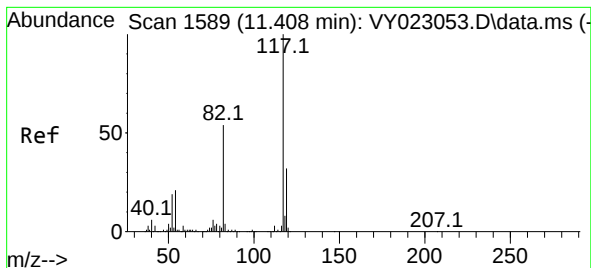
Ion Ratio Lower Upper

95 100

174 88.9 0.0 171.6

176 84.5 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: VY023143.D

Acq: 19 Aug 2025 12:07

Instrument :

MSVOA_Y

ClientSampleId :

22M-E

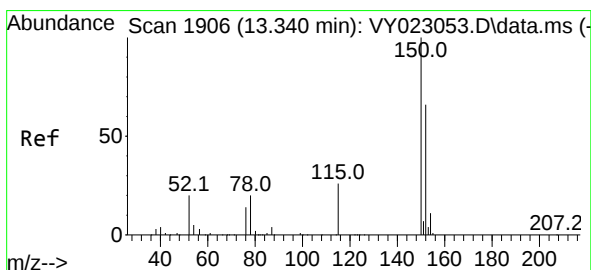
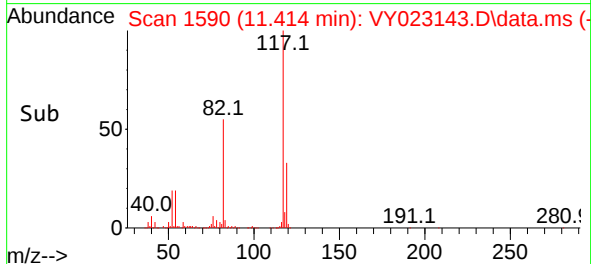
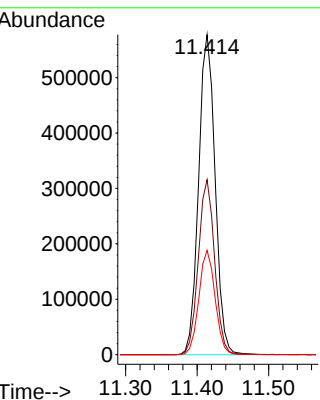
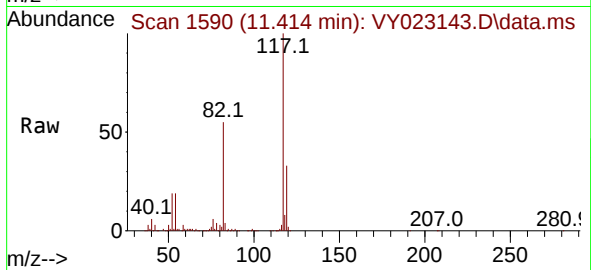
Tgt Ion:117 Resp: 926207

Ion Ratio Lower Upper

117 100

82 54.7 43.4 65.0

119 32.6 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: VY023143.D

Acq: 19 Aug 2025 12:07

Tgt Ion:152 Resp: 306765

Ion Ratio Lower Upper

152 100

115 56.8 28.2 84.6

150 158.6 0.0 348.0

