

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090225\
 Data File : VY023257.D
 Acq On : 02 Sep 2025 12:02
 Operator : SY/MD
 Sample : Q2982-03
 Misc : 5.37g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MOO-25-0244-0248

Quant Time: Sep 03 03:29:00 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	7.713	168	609376	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	1143088	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1056918	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	430033	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	333454	57.415	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	114.840%
35) Dibromofluoromethane	7.634	113	372360	54.440	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	108.880%
50) Toluene-d8	10.109	98	1378739	51.598	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	103.200%
62) 4-Bromofluorobenzene	12.407	95	408857	47.579	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	95.160%

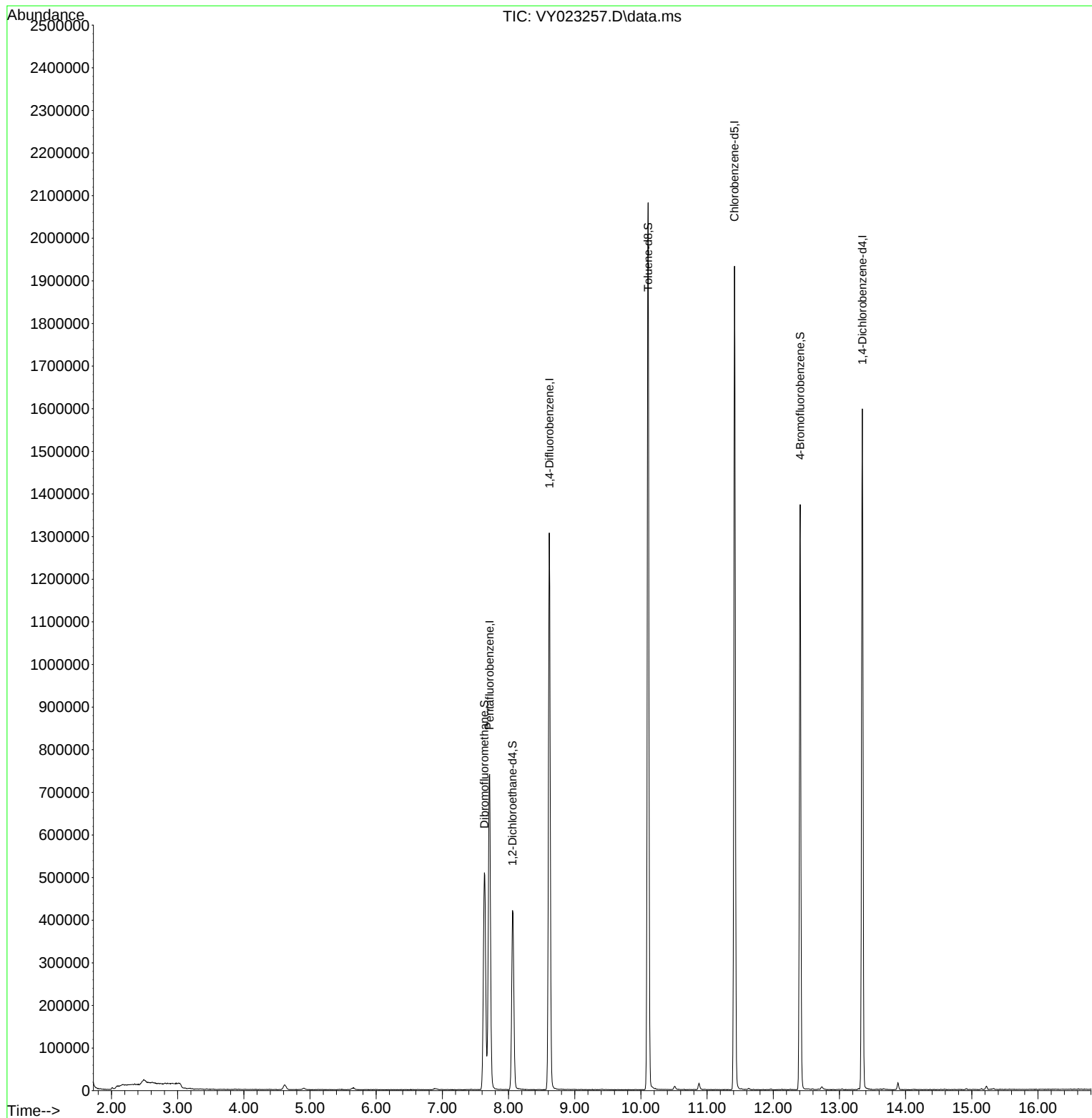
Target Compounds	Qvalue

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

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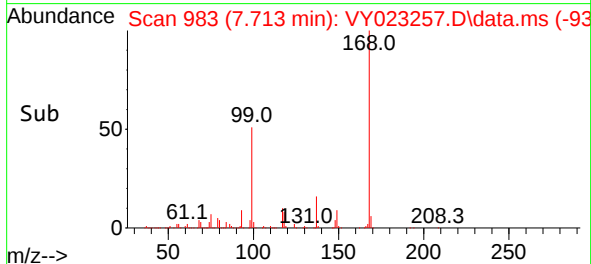
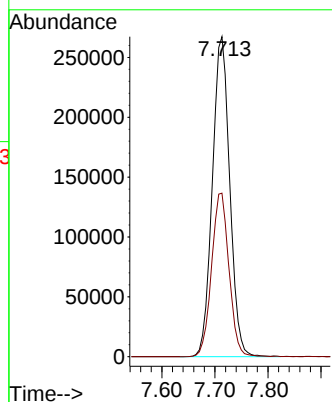
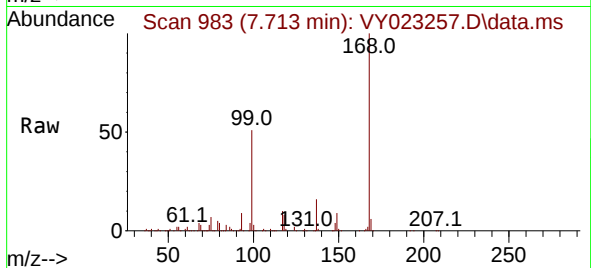




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023257.D
Acq: 02 Sep 2025 12:02

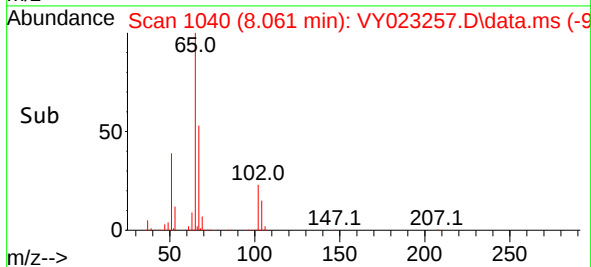
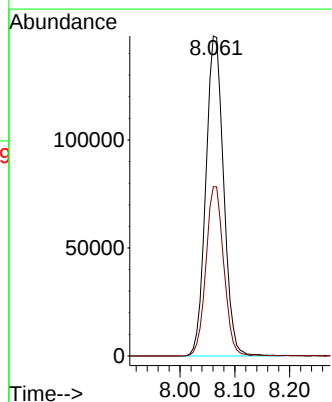
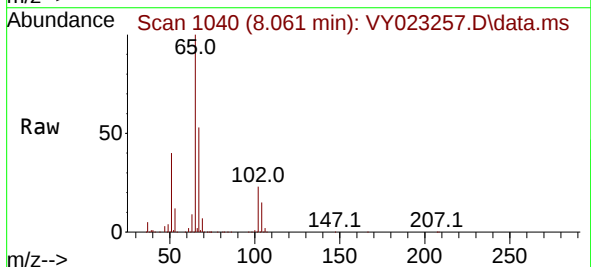
Instrument :
MSVOA_Y
ClientSampleId :
MOO-25-0244-0248

Tgt Ion:168 Resp: 609376
Ion Ratio Lower Upper
168 100
99 51.1 42.8 64.2



#33
1,2-Dichloroethane-d4
Concen: 57.415 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023257.D
Acq: 02 Sep 2025 12:02

Tgt Ion: 65 Resp: 333454
Ion Ratio Lower Upper
65 100
67 52.7 0.0 106.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY023257.D

Acq: 02 Sep 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

MOO-25-0244-0248

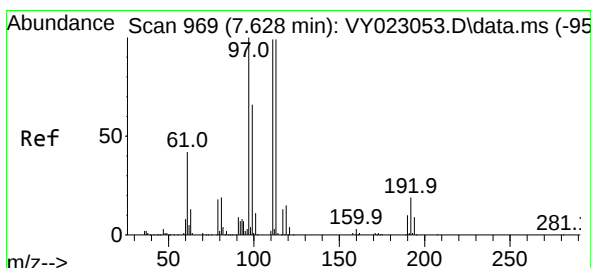
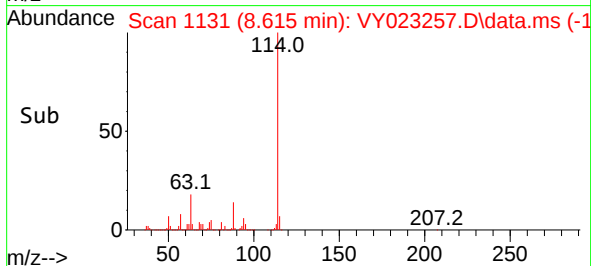
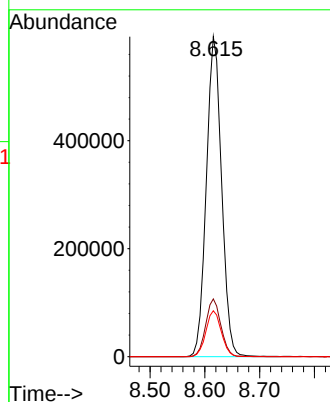
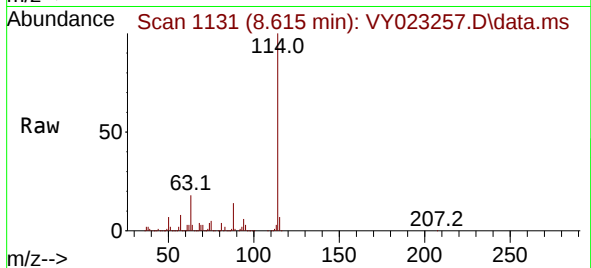
Tgt Ion:114 Resp: 1143088

Ion Ratio Lower Upper

114 100

63 18.1 0.0 38.4

88 14.4 0.0 30.0



#35

Dibromofluoromethane

Concen: 54.440 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.006 min

Lab File: VY023257.D

Acq: 02 Sep 2025 12:02

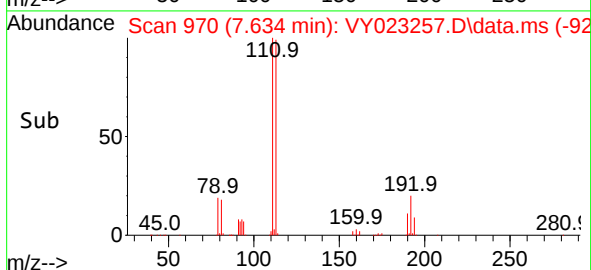
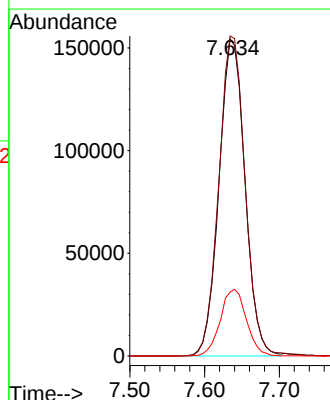
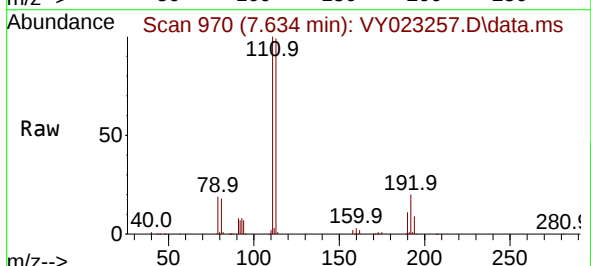
Tgt Ion:113 Resp: 372360

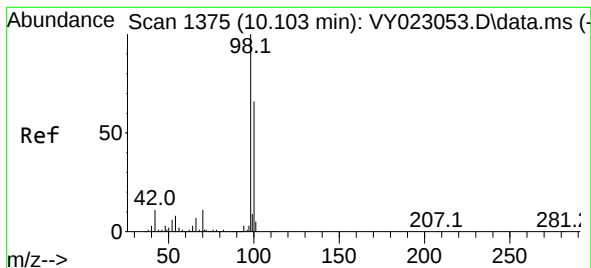
Ion Ratio Lower Upper

113 100

111 102.6 81.1 121.7

192 21.2 16.2 24.4

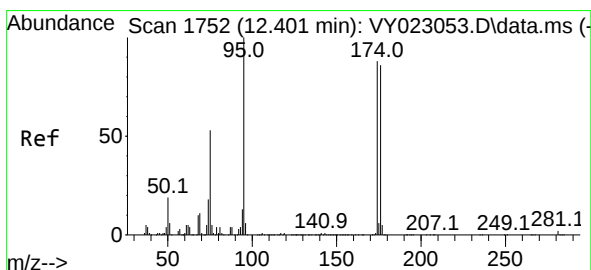
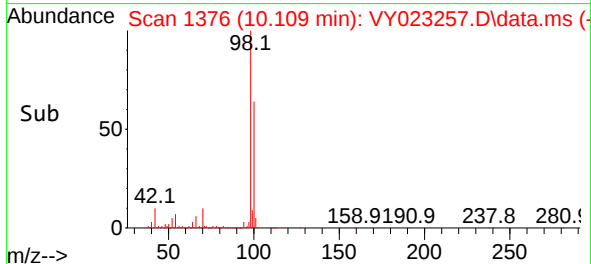
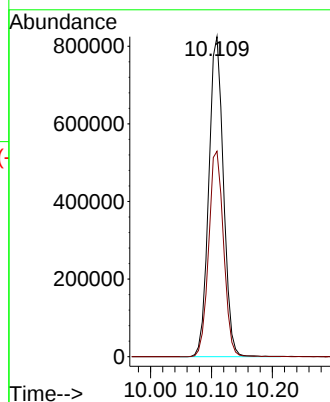
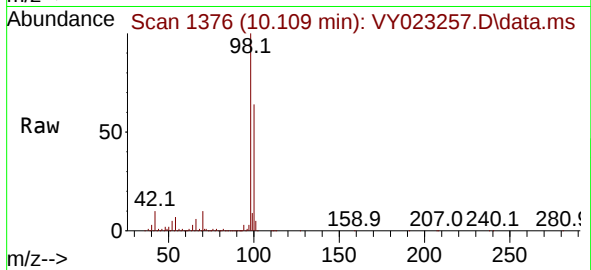




#50
Toluene-d8
Concen: 51.598 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY023257.D
Acq: 02 Sep 2025 12:02

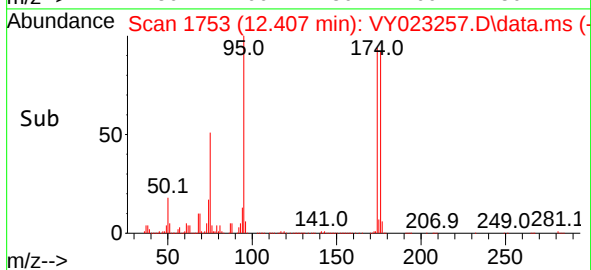
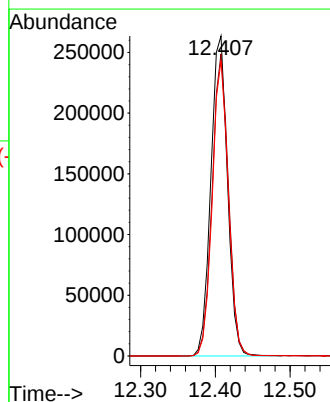
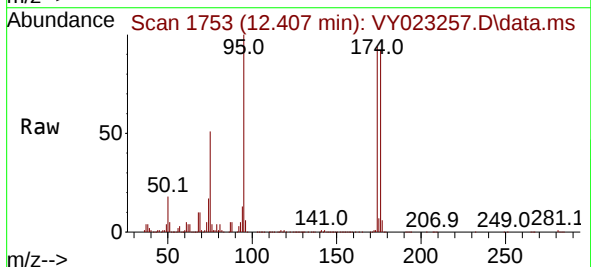
Instrument :
MSVOA_Y
ClientSampleId :
MOO-25-0244-0248

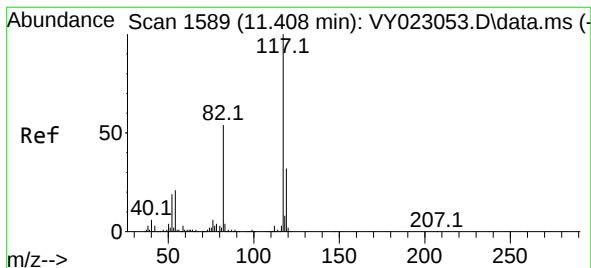
Tgt Ion: 98 Resp: 1378739
Ion Ratio Lower Upper
98 100
100 65.2 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 47.579 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023257.D
Acq: 02 Sep 2025 12:02

Tgt Ion: 95 Resp: 408857
Ion Ratio Lower Upper
95 100
174 92.8 0.0 171.6
176 89.1 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: VY023257.D

Acq: 02 Sep 2025 12:02

Instrument :

MSVOA_Y

ClientSampleId :

MOO-25-0244-0248

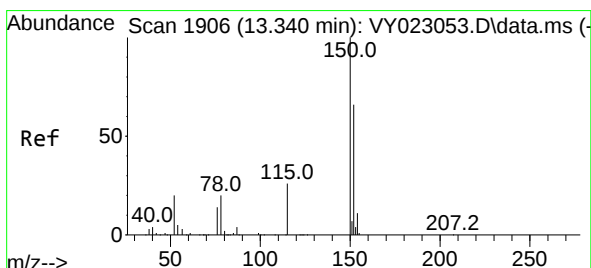
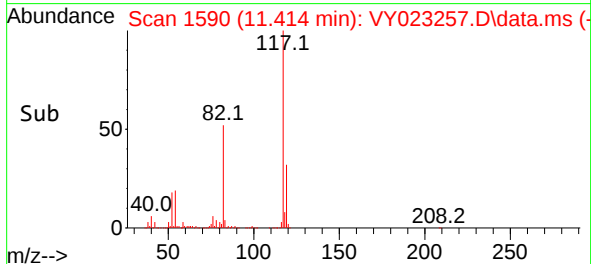
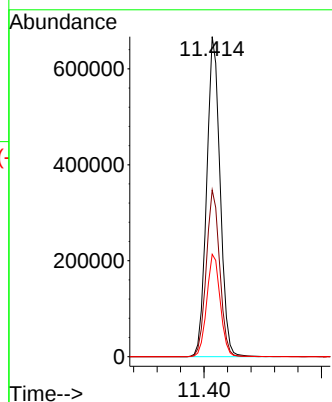
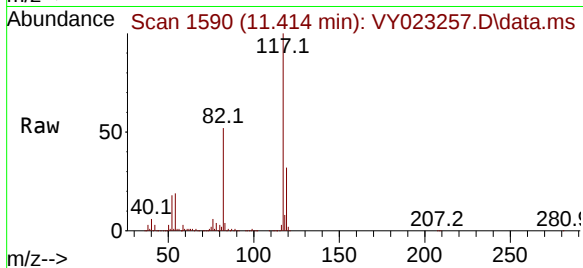
Tgt Ion:117 Resp: 1056918

Ion Ratio Lower Upper

117 100

82 52.1 43.4 65.0

119 32.0 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: VY023257.D

Acq: 02 Sep 2025 12:02

Tgt Ion:152 Resp: 430033

Ion Ratio Lower Upper

152 100

115 55.8 28.2 84.6

150 155.7 0.0 348.0

