

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102025\
 Data File : VY023501.D
 Acq On : 20 Oct 2025 12:01
 Operator : SY/MD
 Sample : Q3367-01
 Misc : 4.68g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 BU-03-101625

Quant Time: Oct 21 03:57:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y100725S.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:12:50 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	753042	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1250400	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1053979	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	438394	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	328433	52.157	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	104.320%
35) Dibromofluoromethane	7.640	113	395804	51.516	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	103.040%
50) Toluene-d8	10.109	98	1403064	49.036	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.080%
62) 4-Bromofluorobenzene	12.408	95	395172	41.833	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	83.660%

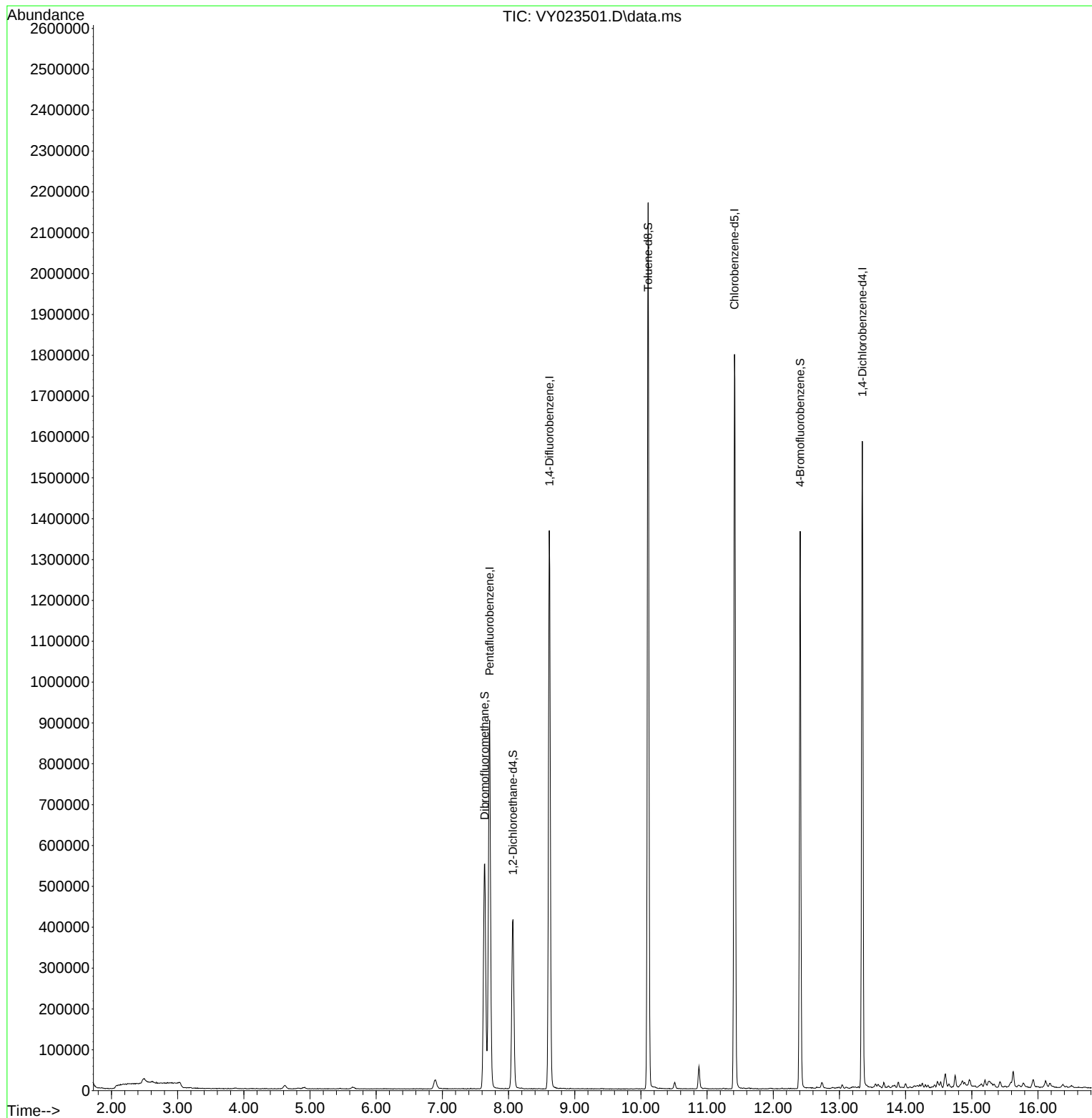
Target Compounds	Qvalue

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

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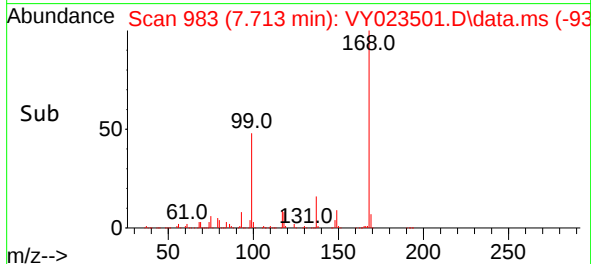
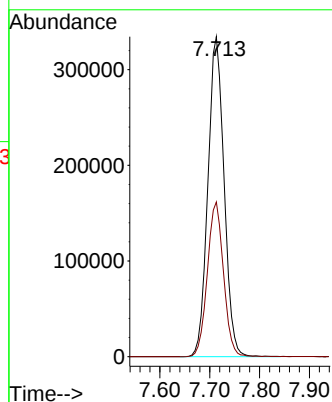
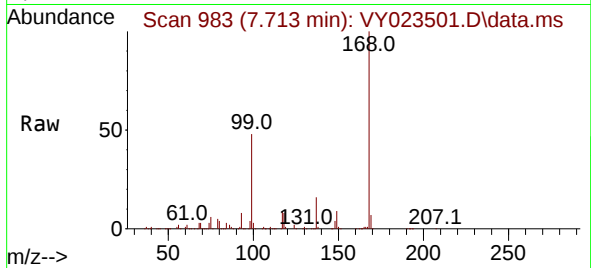




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023501.D
Acq: 20 Oct 2025 12:01

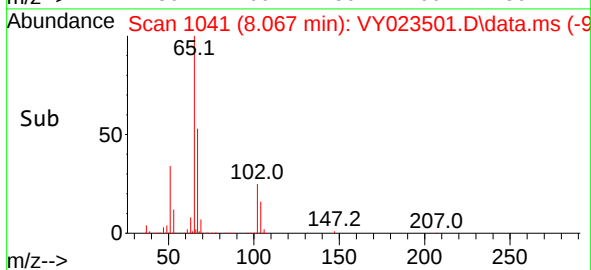
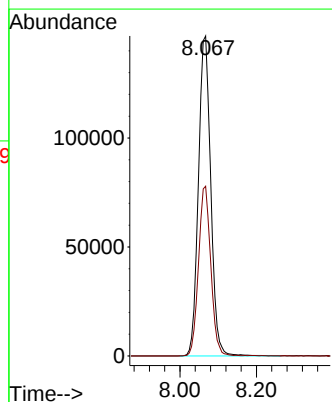
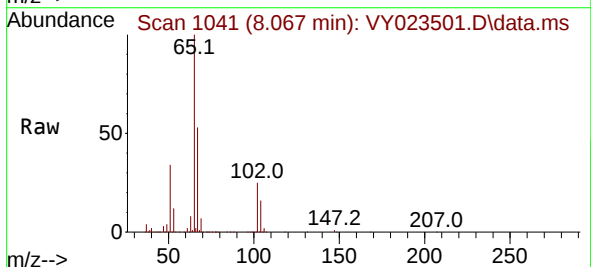
Instrument :
MSVOA_Y
ClientSampleId :
BU-03-101625

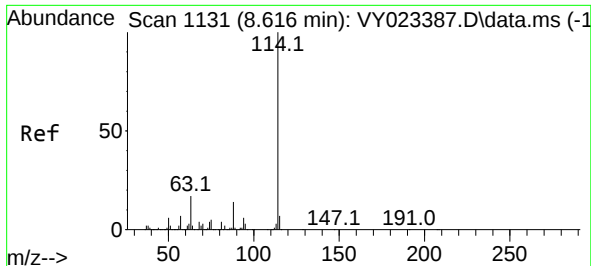
Tgt Ion:168 Resp: 753042
Ion Ratio Lower Upper
168 100
99 48.3 39.7 59.5



#33
1,2-Dichloroethane-d4
Concen: 52.157 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023501.D
Acq: 20 Oct 2025 12:01

Tgt Ion: 65 Resp: 328433
Ion Ratio Lower Upper
65 100
67 52.8 0.0 105.8

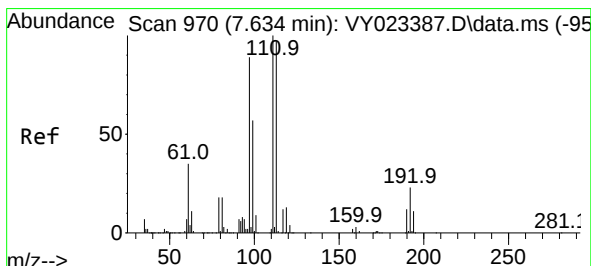
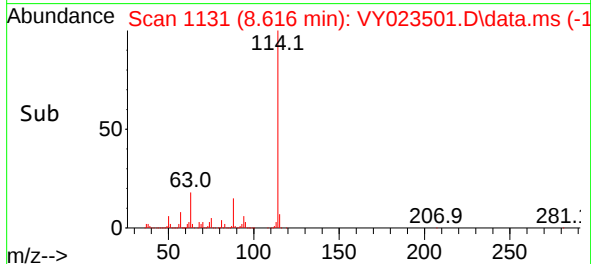
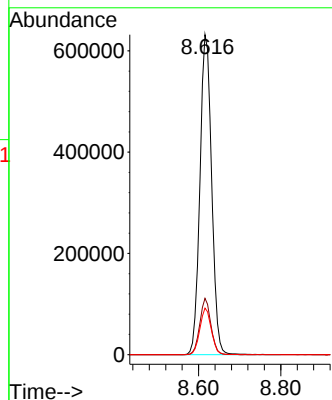
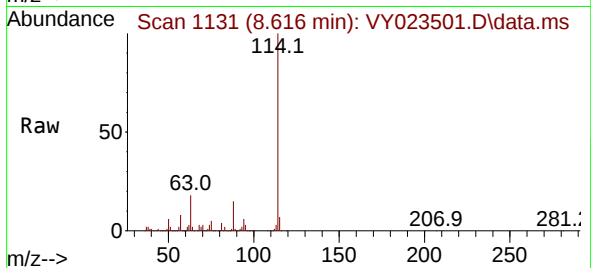




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY023501.D
Acq: 20 Oct 2025 12:01

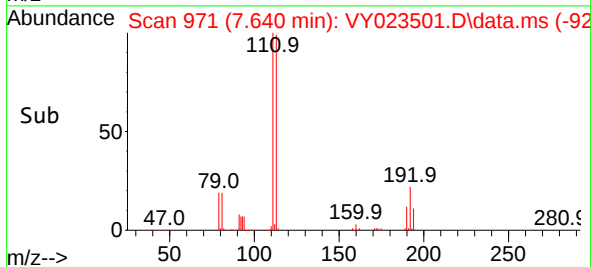
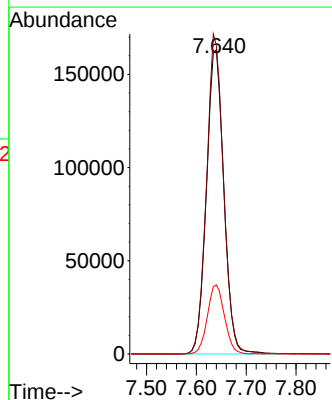
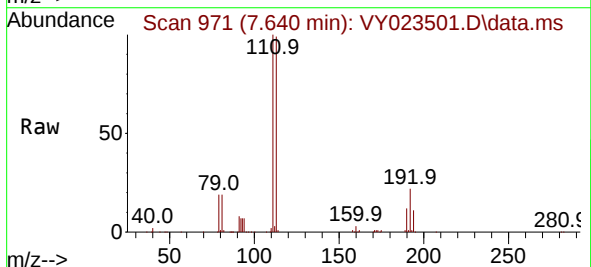
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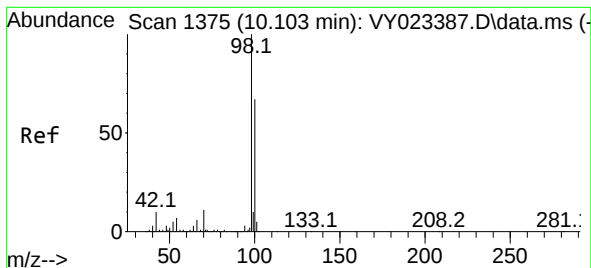
Tgt Ion:114 Resp: 1250400
Ion Ratio Lower Upper
114 100
63 17.6 0.0 34.2
88 14.6 0.0 28.4



#35
Dibromofluoromethane
Concen: 51.516 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.006 min
Lab File: VY023501.D
Acq: 20 Oct 2025 12:01

Tgt Ion:113 Resp: 395804
Ion Ratio Lower Upper
113 100
111 102.7 81.8 122.6
192 22.3 18.0 27.0





#50

Toluene-d8

Concen: 49.036 ug/l

RT: 10.109 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY023501.D

Acq: 20 Oct 2025 12:01

Instrument :

MSVOA_Y

ClientSampleId :

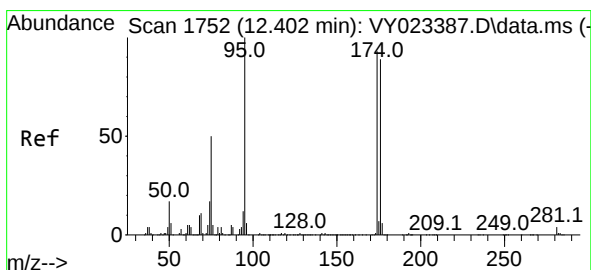
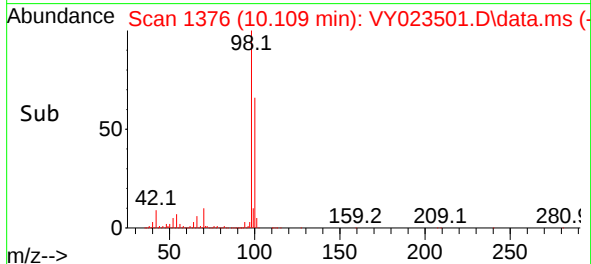
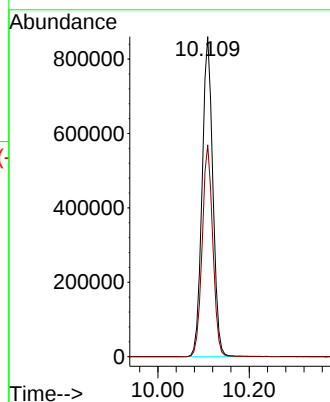
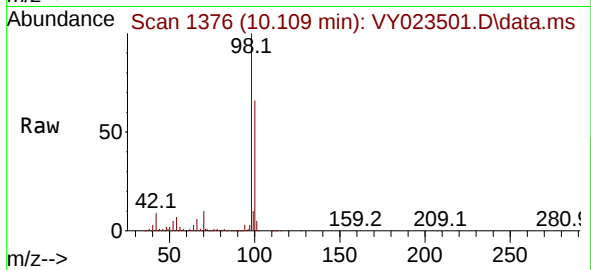
BU-03-101625

Tgt Ion: 98 Resp: 1403064

Ion Ratio Lower Upper

98 100

100 65.4 53.0 79.4



#62

4-Bromofluorobenzene

Concen: 41.833 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.006 min

Lab File: VY023501.D

Acq: 20 Oct 2025 12:01

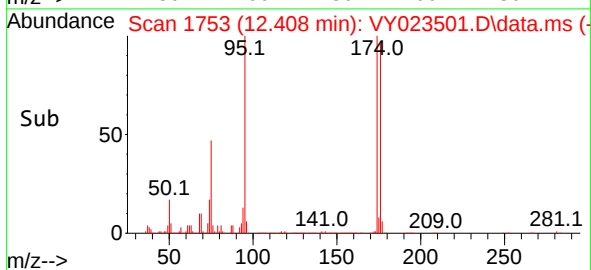
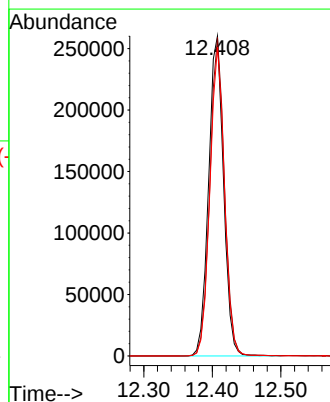
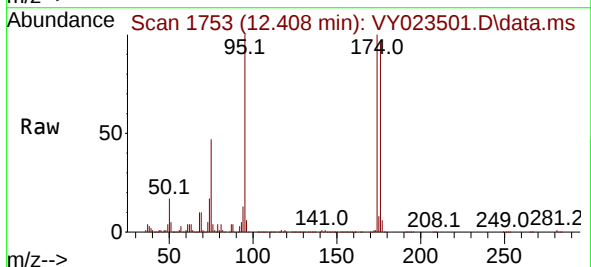
Tgt Ion: 95 Resp: 395172

Ion Ratio Lower Upper

95 100

174 97.8 0.0 192.8

176 94.0 0.0 187.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY023501.D

Acq: 20 Oct 2025 12:01

Instrument :

MSVOA_Y

ClientSampleId :

BU-03-101625

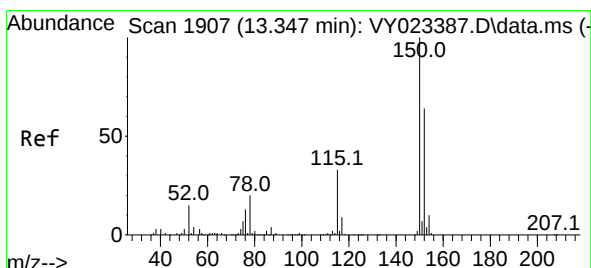
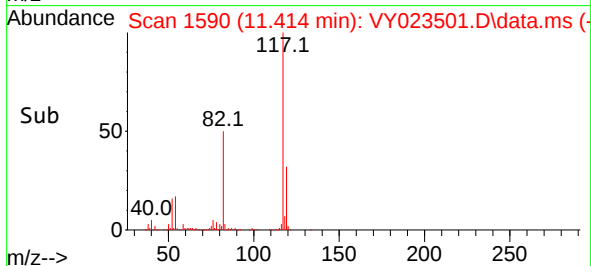
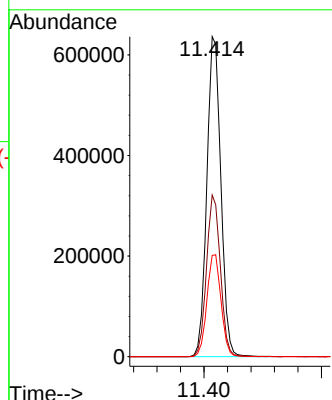
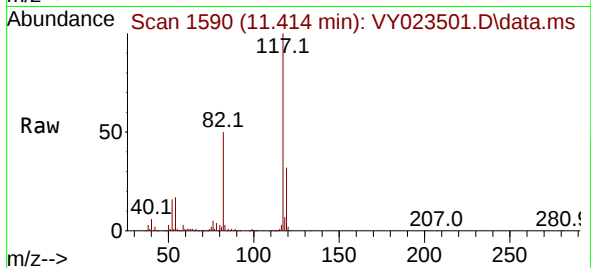
Tgt Ion:117 Resp: 1053979

Ion Ratio Lower Upper

117 100

82 50.5 41.0 61.4

119 31.7 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY023501.D

Acq: 20 Oct 2025 12:01

Tgt Ion:152 Resp: 438394

Ion Ratio Lower Upper

152 100

115 54.2 27.1 81.2

150 155.9 0.0 347.4

