

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102425\
 Data File : VY023576.D
 Acq On : 24 Oct 2025 16:25
 Operator : SY/MD
 Sample : Q3460-03
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 WC-1-VOC

Quant Time: Oct 24 23:53:56 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	659418	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1063776	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	860353	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	343067	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	271881	49.306	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	98.620%
35) Dibromofluoromethane	7.634	113	328774	50.299	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.600%
50) Toluene-d8	10.109	98	1168595	48.007	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.020%
62) 4-Bromofluorobenzene	12.408	95	316482	39.380	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	78.760%

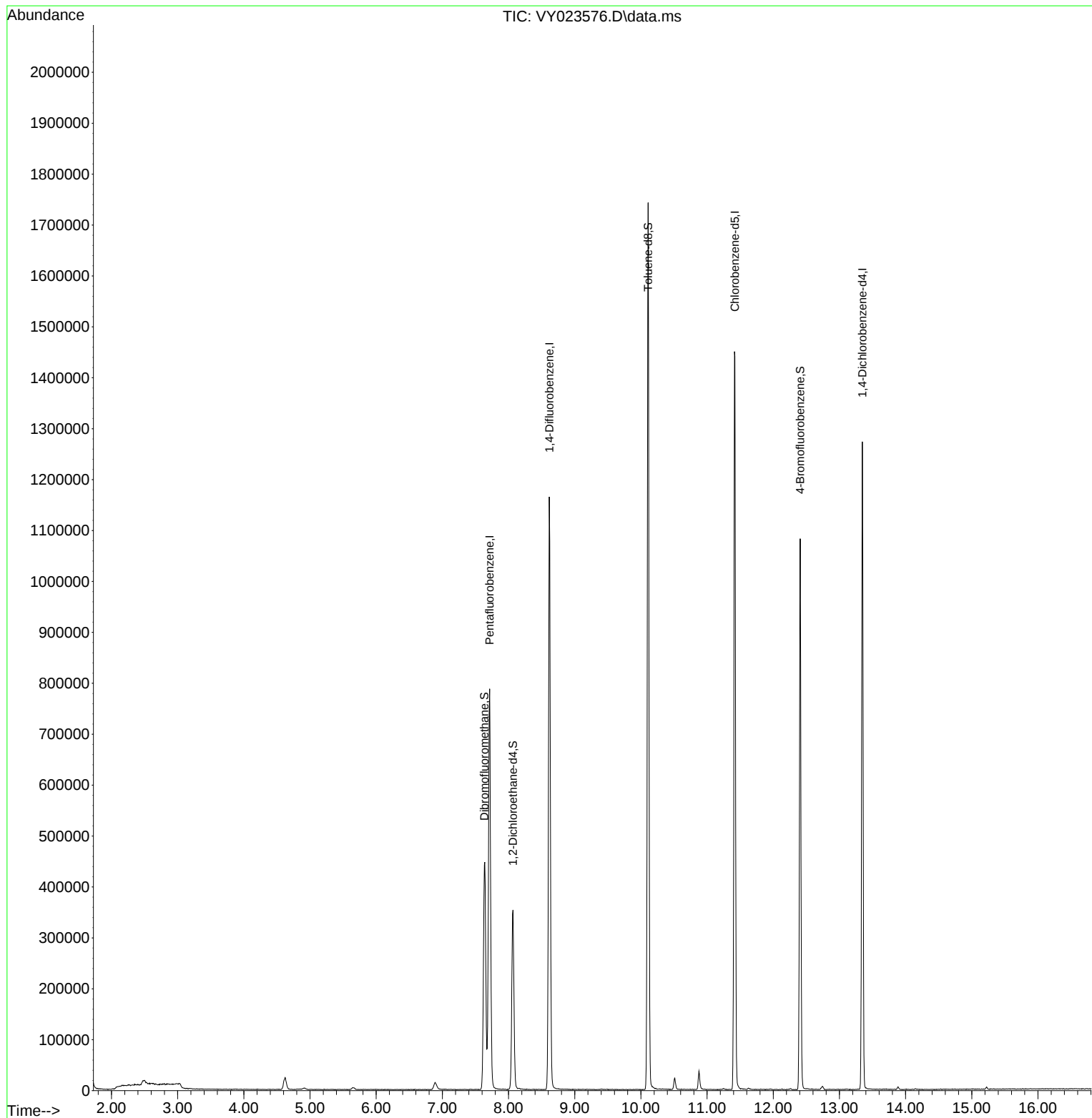
Target Compounds	Qvalue

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

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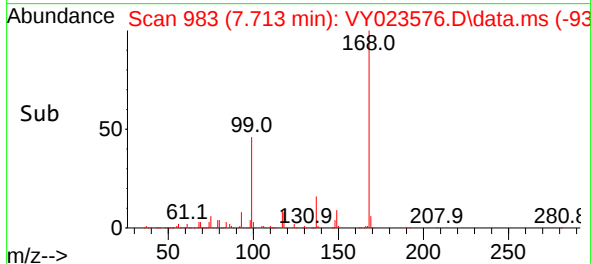
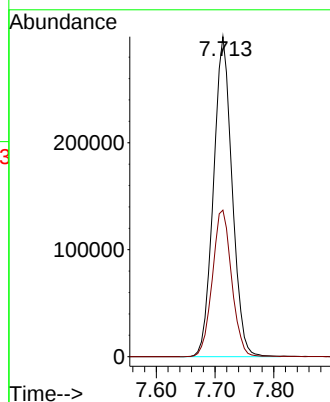
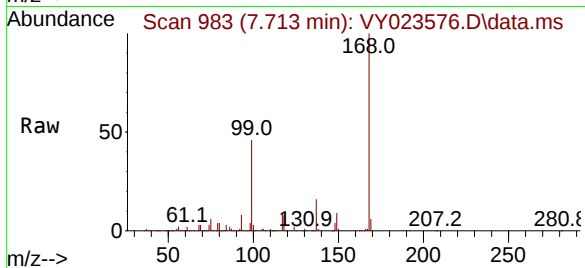




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 99
Delta R.T. 0.006 min
Lab File: VY023576.D
Acq: 24 Oct 2025 16:25

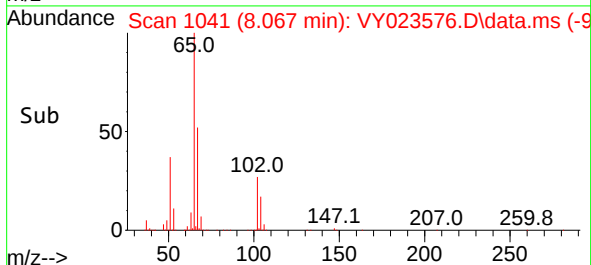
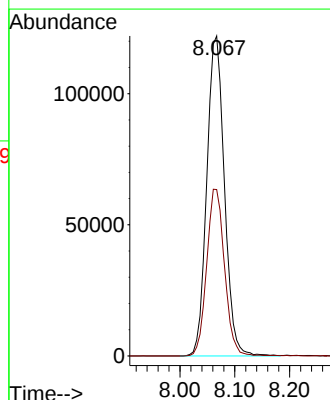
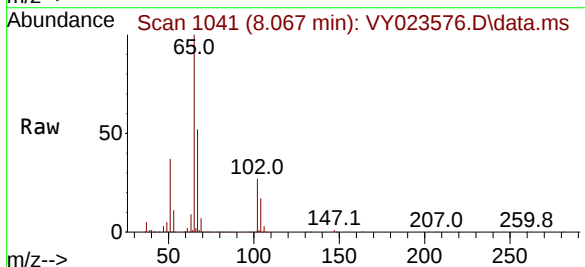
Instrument :
MSVOA_Y
ClientSampleId :
WC-1-VOC

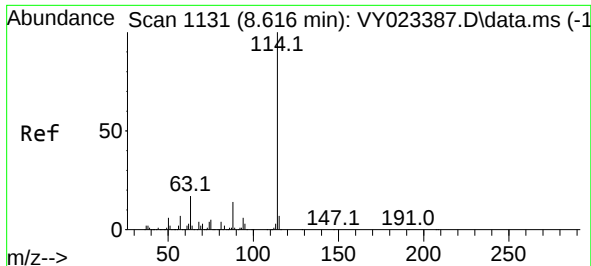
Tgt Ion:168 Resp: 659418
Ion Ratio Lower Upper
168 100
99 45.8 39.7 59.5



#33
1,2-Dichloroethane-d4
Concen: 49.306 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.006 min
Lab File: VY023576.D
Acq: 24 Oct 2025 16:25

Tgt Ion: 65 Resp: 271881
Ion Ratio Lower Upper
65 100
67 52.8 0.0 105.8

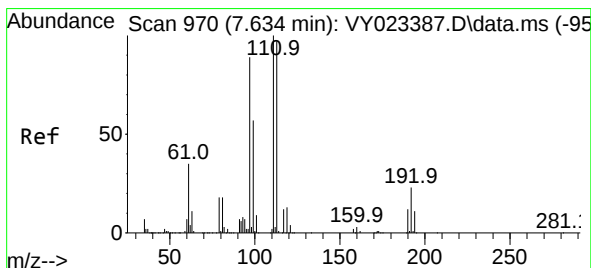
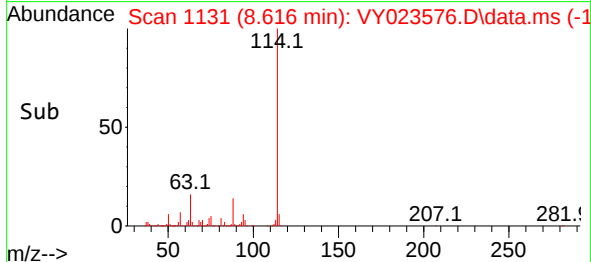
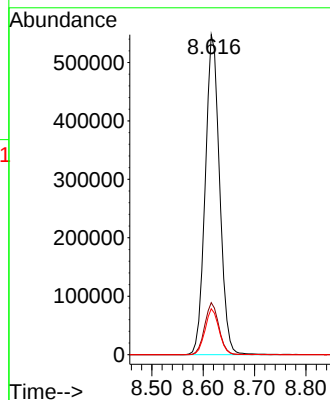
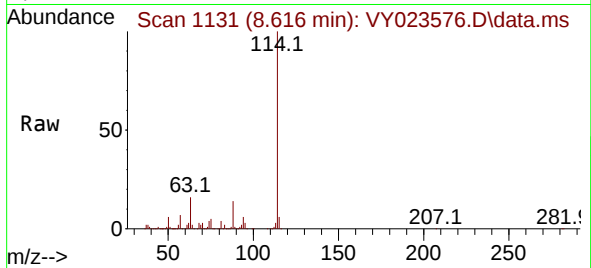




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY023576.D
Acq: 24 Oct 2025 16:25

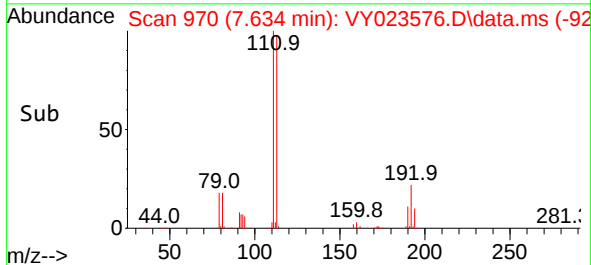
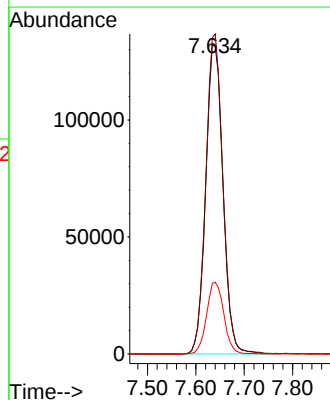
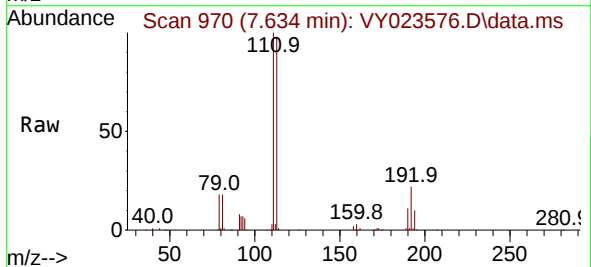
Instrument :
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ClientSampleId :
WC-1-VOC

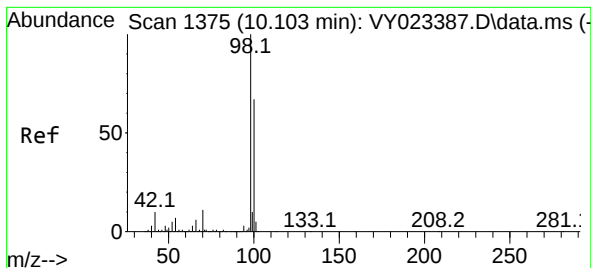
Tgt Ion:114 Resp: 1063776
Ion Ratio Lower Upper
114 100
63 16.3 0.0 34.2
88 14.4 0.0 28.4



#35
Dibromofluoromethane
Concen: 50.299 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY023576.D
Acq: 24 Oct 2025 16:25

Tgt Ion:113 Resp: 328774
Ion Ratio Lower Upper
113 100
111 102.1 81.8 122.6
192 23.1 18.0 27.0





#50

Toluene-d8

Concen: 48.007 ug/l

RT: 10.109 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023576.D

Acq: 24 Oct 2025 16:25

Instrument :

MSVOA_Y

ClientSampleId :

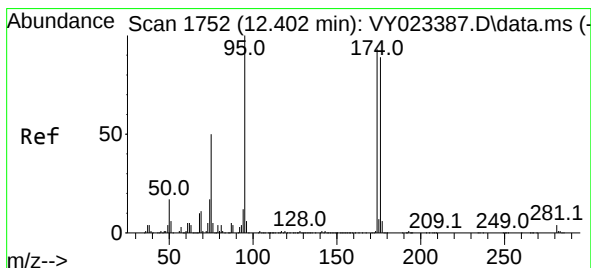
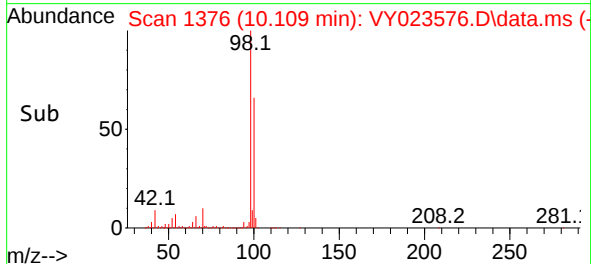
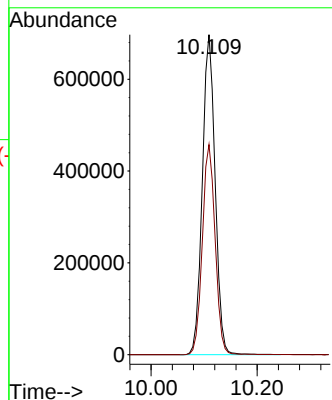
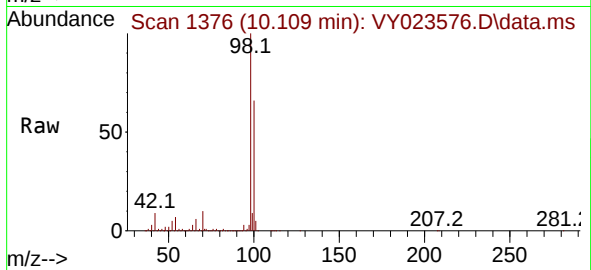
WC-1-VOC

Tgt Ion: 98 Resp: 1168595

Ion Ratio Lower Upper

98 100

100 65.6 53.0 79.4



#62

4-Bromofluorobenzene

Concen: 39.380 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. 0.006 min

Lab File: VY023576.D

Acq: 24 Oct 2025 16:25

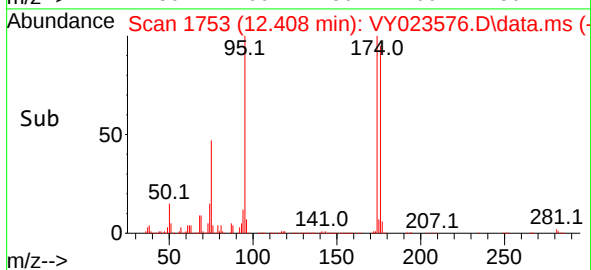
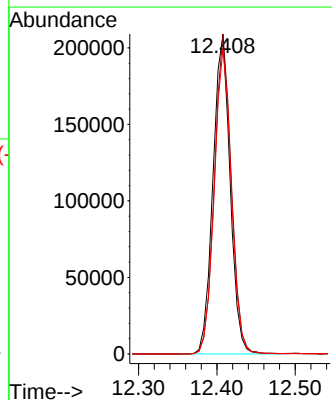
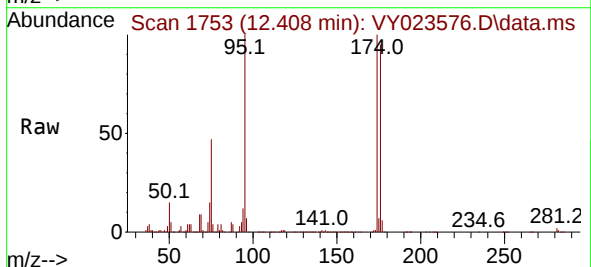
Tgt Ion: 95 Resp: 316482

Ion Ratio Lower Upper

95 100

174 99.5 0.0 192.8

176 95.3 0.0 187.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023576.D

Acq: 24 Oct 2025 16:25

Instrument :

MSVOA_Y

ClientSampleId :

WC-1-VOC

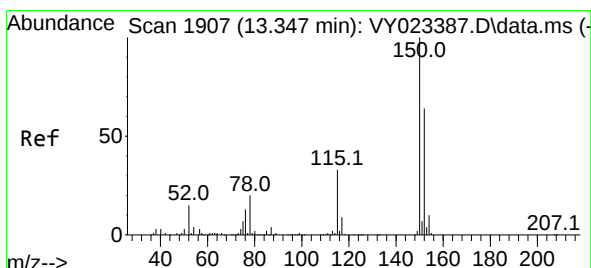
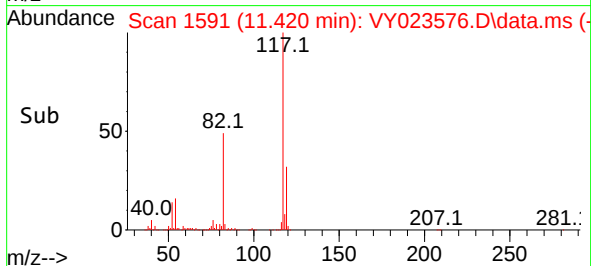
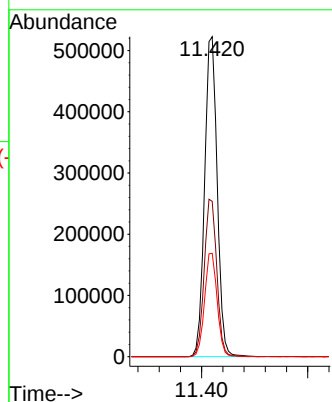
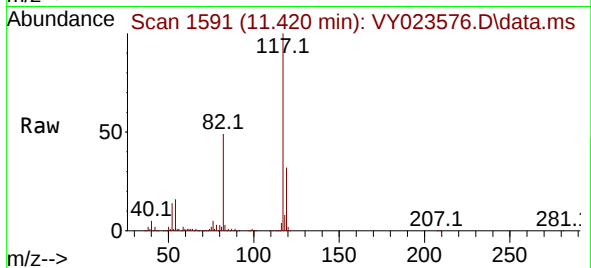
Tgt Ion:117 Resp: 860353

Ion Ratio Lower Upper

117 100

82 48.6 41.0 61.4

119 32.3 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY023576.D

Acq: 24 Oct 2025 16:25

Tgt Ion:152 Resp: 343067

Ion Ratio Lower Upper

152 100

115 53.7 27.1 81.2

150 156.0 0.0 347.4

