

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY102425\
 Data File : VY023565.D
 Acq On : 24 Oct 2025 11:44
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Oct 24 23:49:48 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	858750	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1376016	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1159653	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	494797	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	338790	47.179	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.360%
35) Dibromofluoromethane	7.634	113	423426	50.080	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.160%
50) Toluene-d8	10.109	98	1527298	48.505	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.020%
62) 4-Bromofluorobenzene	12.408	95	440108	42.337	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	84.680%

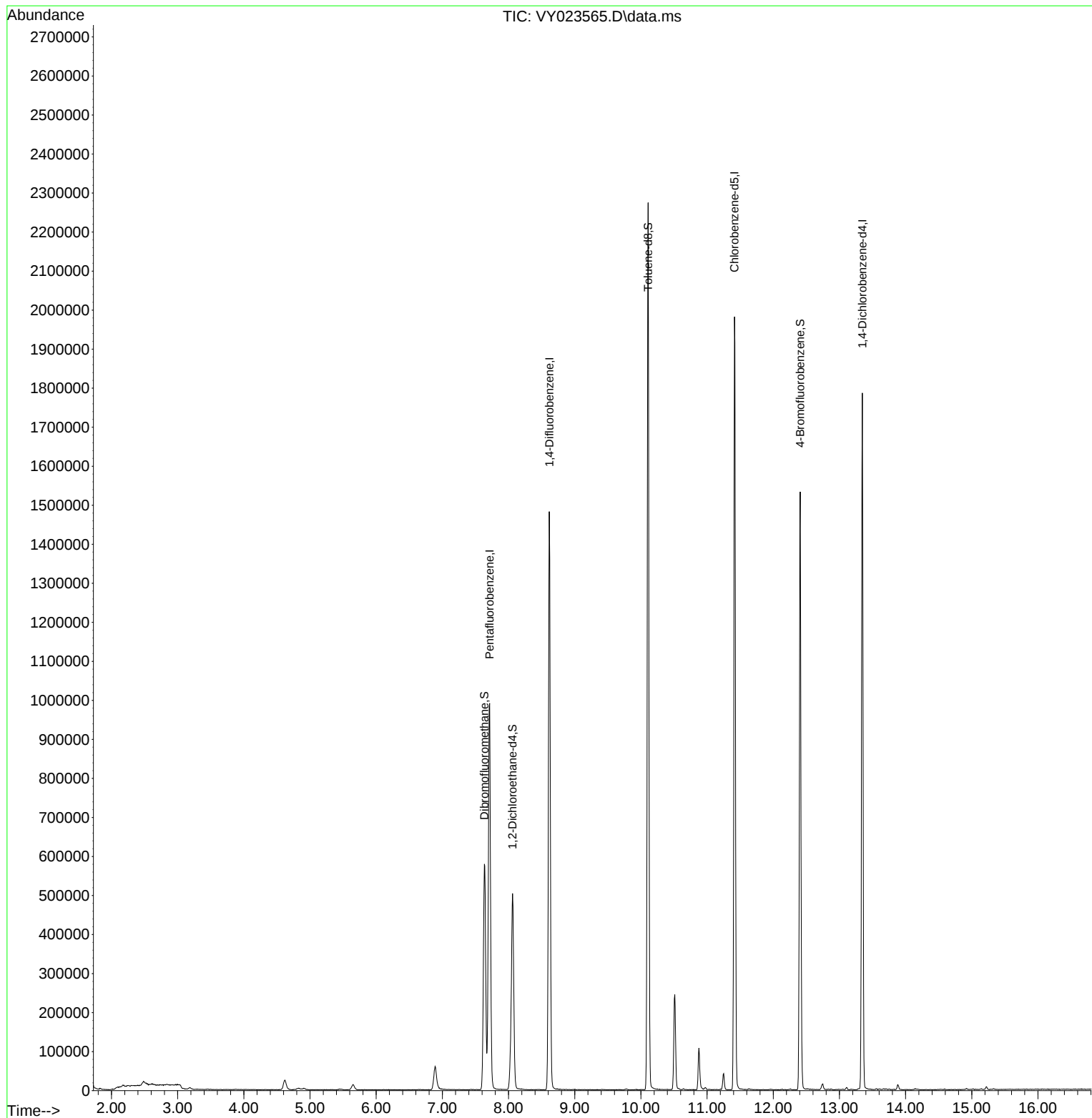
Target Compounds	Qvalue

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

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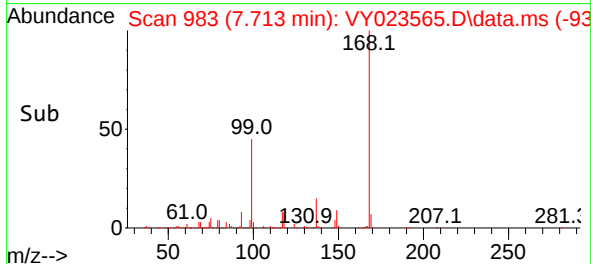
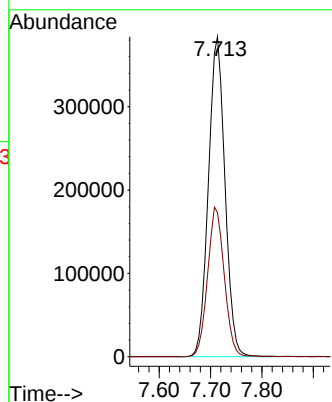
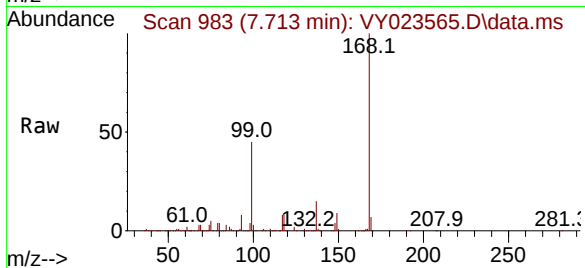




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023565.D
Acq: 24 Oct 2025 11:44

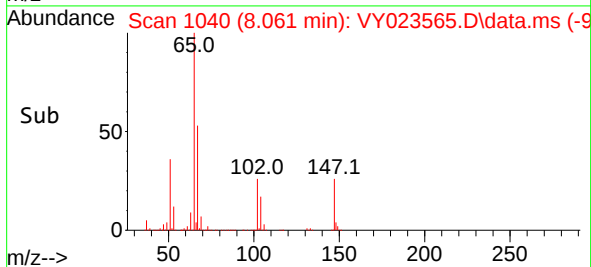
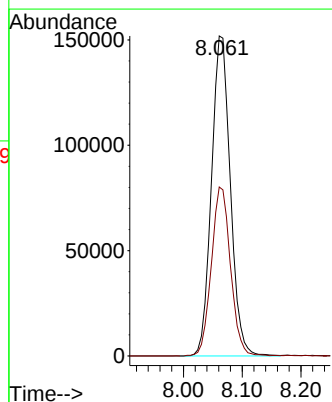
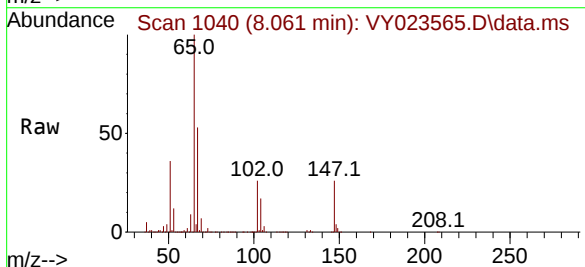
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

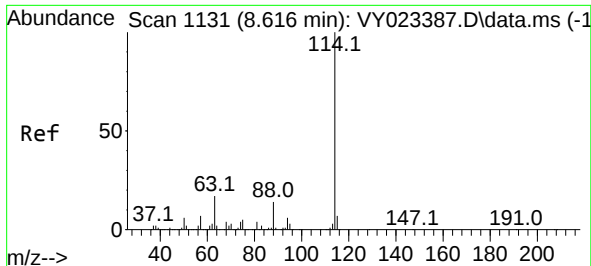
Tgt Ion:168 Resp: 858750
Ion Ratio Lower Upper
168 100
99 45.0 39.7 59.5



#33
1,2-Dichloroethane-d4
Concen: 47.179 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY023565.D
Acq: 24 Oct 2025 11:44

Tgt Ion: 65 Resp: 338790
Ion Ratio Lower Upper
65 100
67 53.6 0.0 105.8

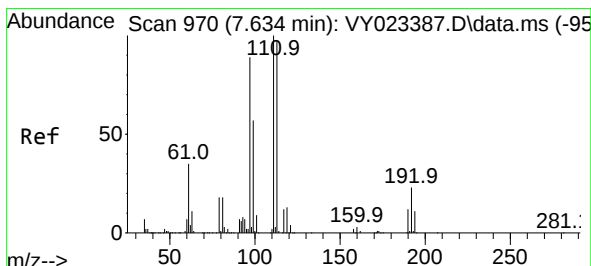
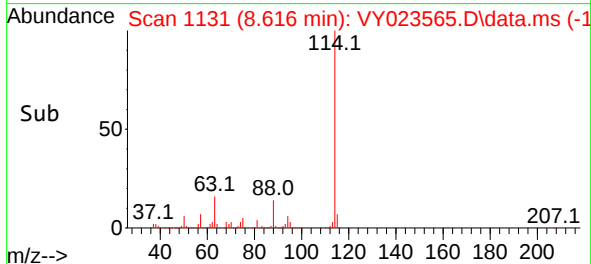
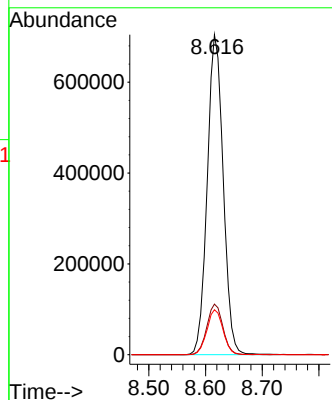
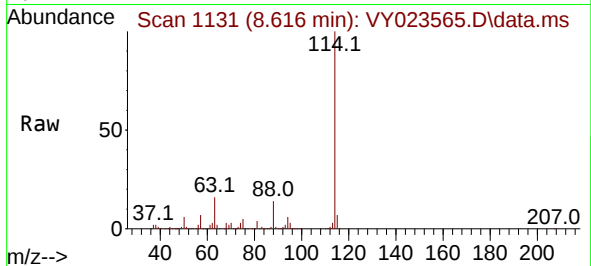




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY023565.D
Acq: 24 Oct 2025 11:44

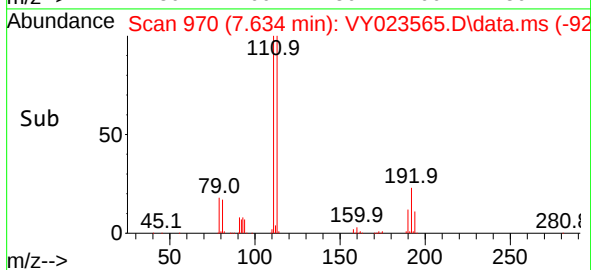
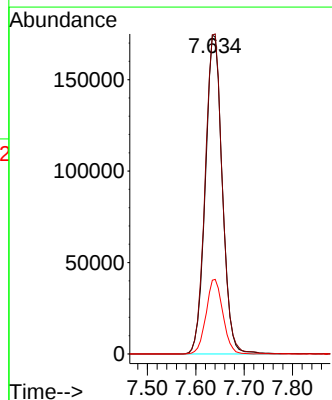
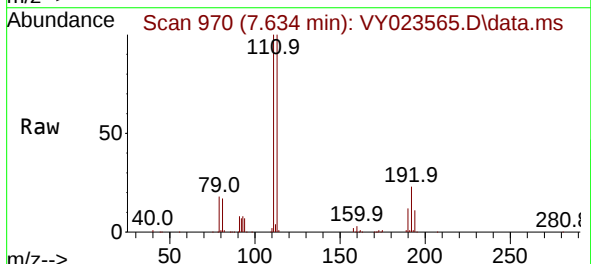
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

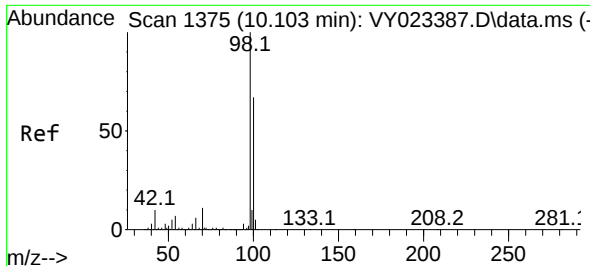
Tgt Ion:114 Resp: 1376016
Ion Ratio Lower Upper
114 100
63 15.8 0.0 34.2
88 14.1 0.0 28.4



#35
Dibromofluoromethane
Concen: 50.080 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY023565.D
Acq: 24 Oct 2025 11:44

Tgt Ion:113 Resp: 423426
Ion Ratio Lower Upper
113 100
111 101.6 81.8 122.6
192 23.2 18.0 27.0

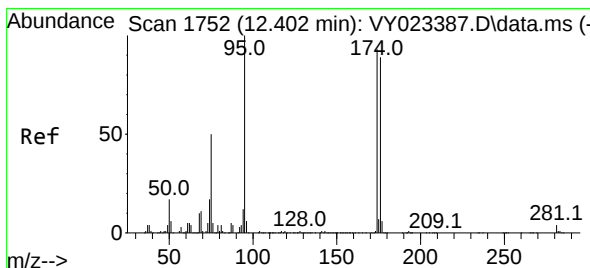
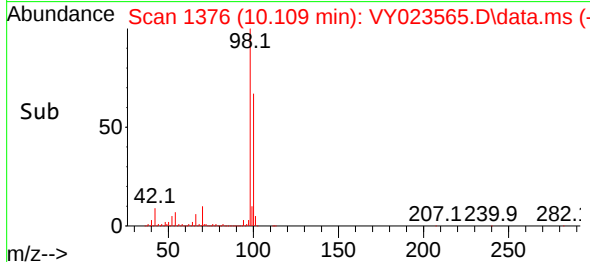
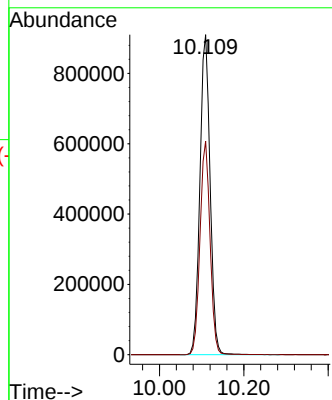
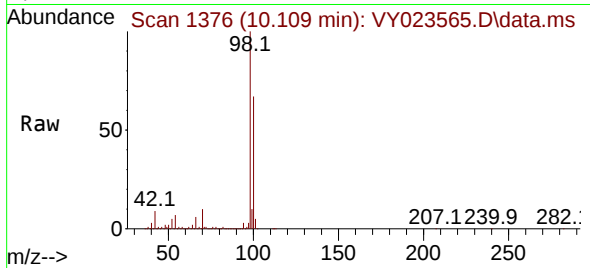




#50
Toluene-d8
Concen: 48.505 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023565.D
Acq: 24 Oct 2025 11:44

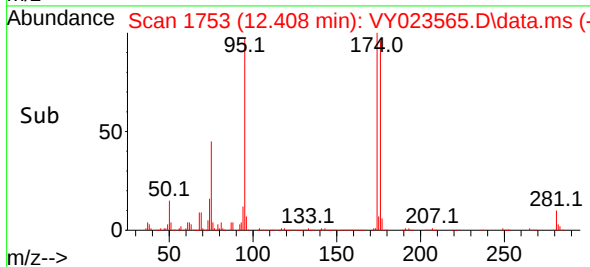
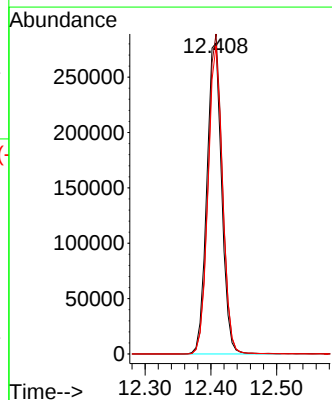
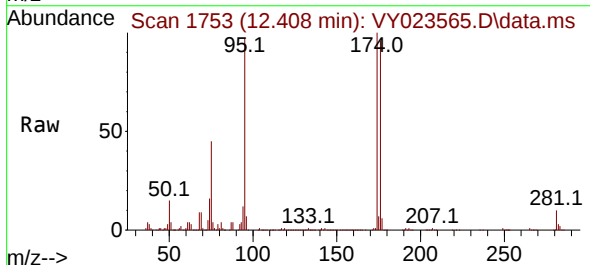
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion: 98 Resp: 1527298
Ion Ratio Lower Upper
98 100
100 65.8 53.0 79.4



#62
4-Bromofluorobenzene
Concen: 42.337 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023565.D
Acq: 24 Oct 2025 11:44

Tgt Ion: 95 Resp: 440108
Ion Ratio Lower Upper
95 100
174 100.3 0.0 192.8
176 96.8 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: VY023565.D

Acq: 24 Oct 2025 11:44

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

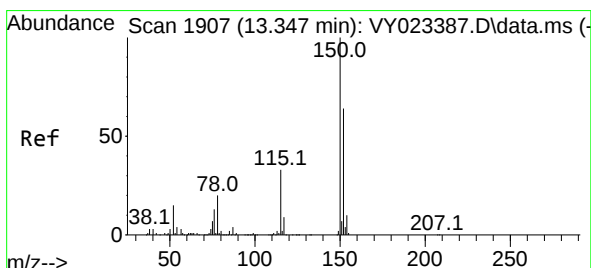
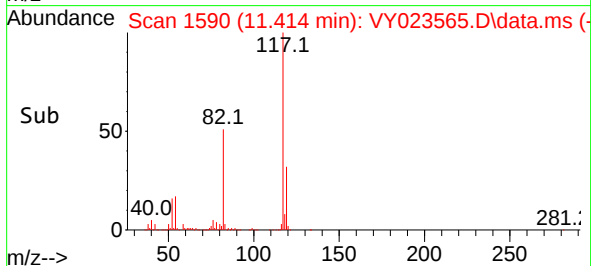
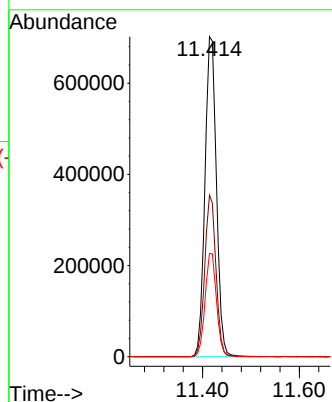
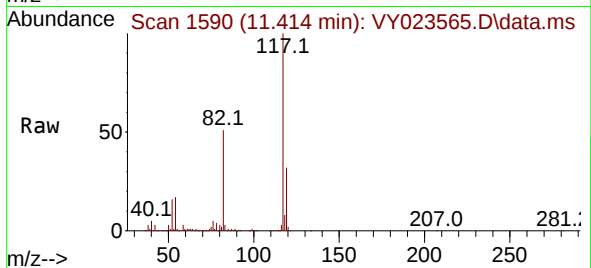
Tgt Ion:117 Resp: 1159653

Ion Ratio Lower Upper

117 100

82 50.5 41.0 61.4

119 32.3 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY023565.D

Acq: 24 Oct 2025 11:44

Tgt Ion:152 Resp: 494797

Ion Ratio Lower Upper

152 100

115 53.4 27.1 81.2

150 156.3 0.0 347.4

