

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY090225\
 Data File : VY023263.D
 Acq On : 02 Sep 2025 14:23
 Operator : SY/MD
 Sample : Q2998-01
 Misc : 4.32g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 AU-05-082925

Quant Time: Sep 03 03:31:14 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	622863	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	1174418	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1073513	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	465350	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.060	65	317425	53.472	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	106.940%
35) Dibromofluoromethane	7.634	113	371295	52.836	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.680%
50) Toluene-d8	10.109	98	1403739	51.133	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	102.260%
62) 4-Bromofluorobenzene	12.401	95	451237	51.110	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	102.220%

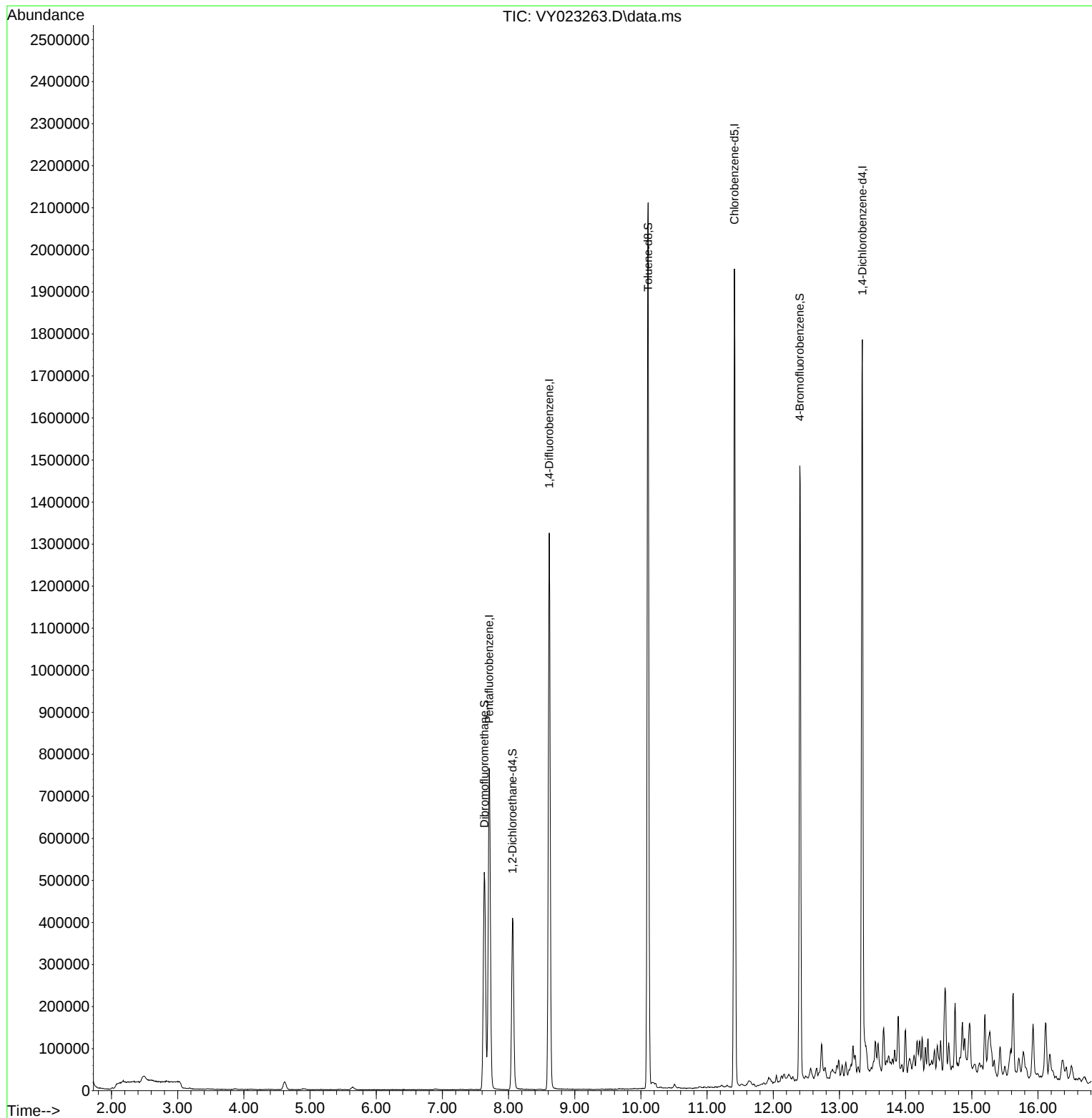
Target Compounds	Qvalue

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

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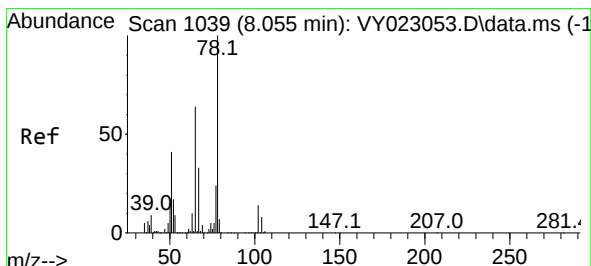
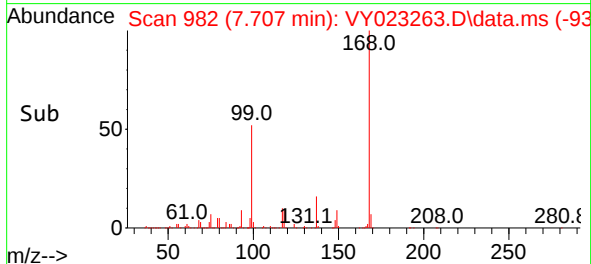
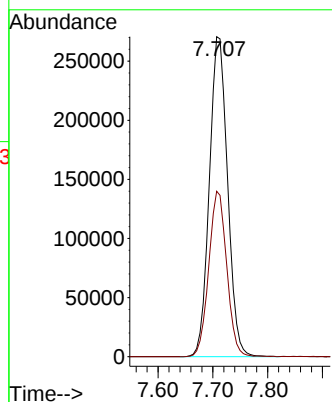
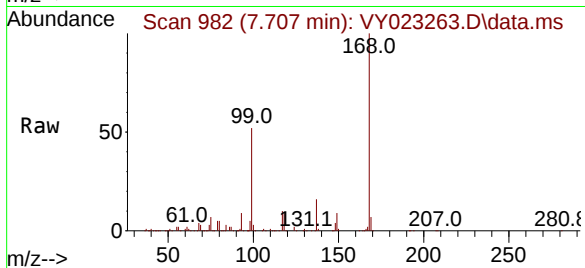




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY023263.D
Acq: 02 Sep 2025 14:23

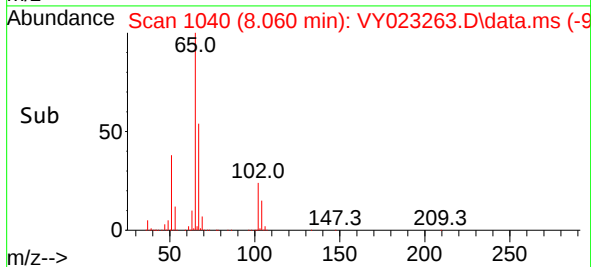
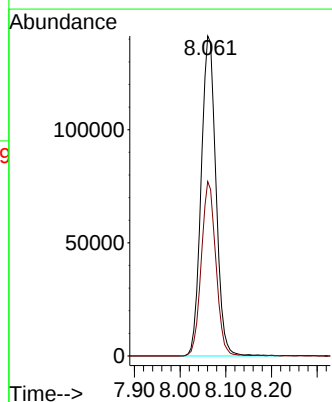
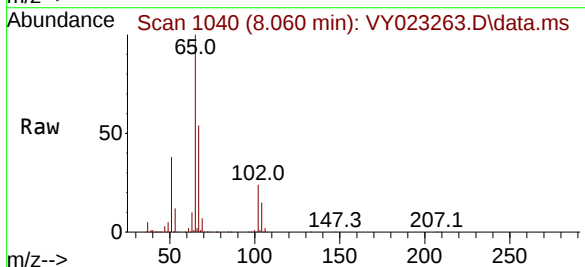
Instrument :
MSVOA_Y
ClientSampleId :
AU-05-082925

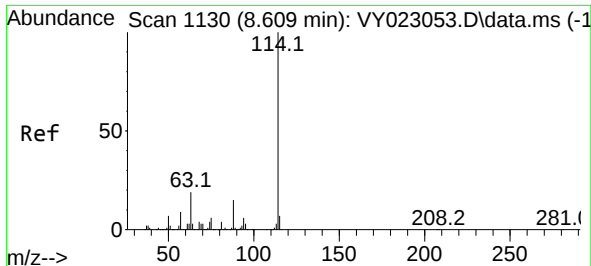
Tgt Ion:168 Resp: 622863
Ion Ratio Lower Upper
168 100
99 51.7 42.8 64.2



#33
1,2-Dichloroethane-d4
Concen: 53.472 ug/l
RT: 8.060 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023263.D
Acq: 02 Sep 2025 14:23

Tgt Ion: 65 Resp: 317425
Ion Ratio Lower Upper
65 100
67 53.6 0.0 106.8

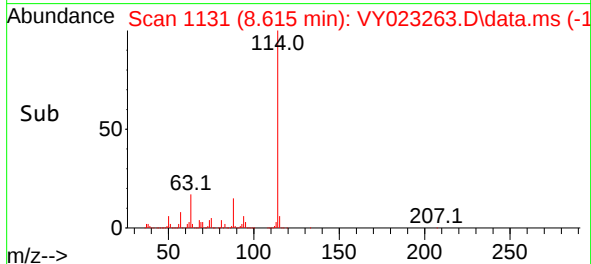
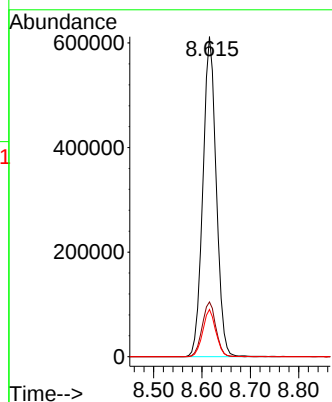
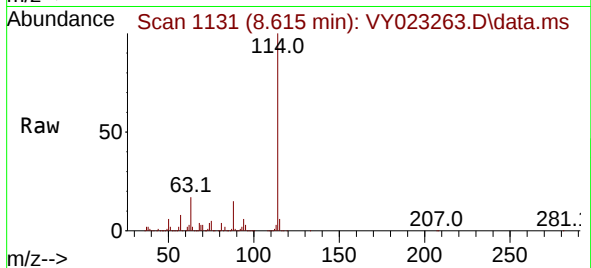




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VY023263.D
Acq: 02 Sep 2025 14:23

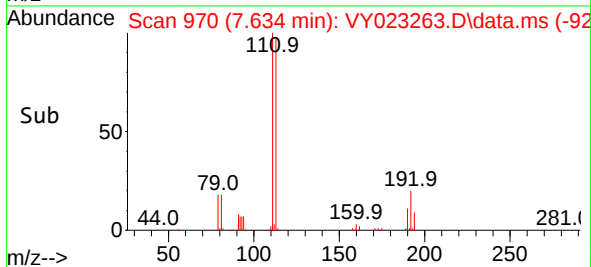
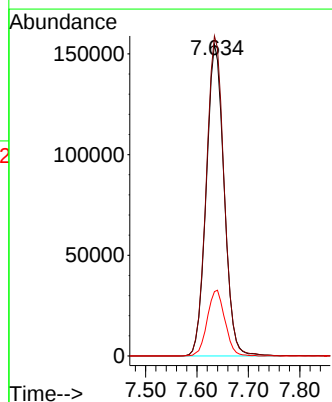
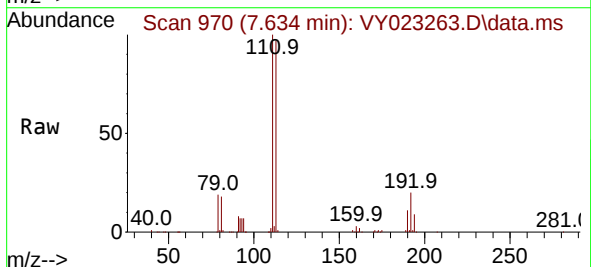
Instrument :
MSVOA_Y
ClientSampleId :
AU-05-082925

Tgt Ion:114 Resp: 1174418
Ion Ratio Lower Upper
114 100
63 17.1 0.0 38.4
88 14.7 0.0 30.0



#35
Dibromofluoromethane
Concen: 52.836 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023263.D
Acq: 02 Sep 2025 14:23

Tgt Ion:113 Resp: 371295
Ion Ratio Lower Upper
113 100
111 102.9 81.1 121.7
192 21.0 16.2 24.4

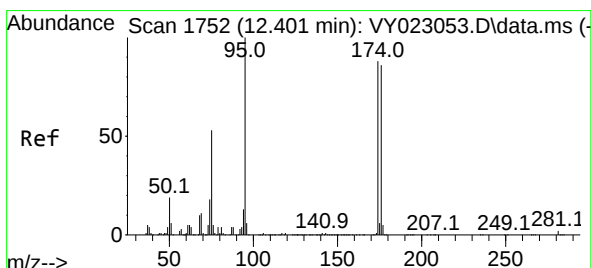
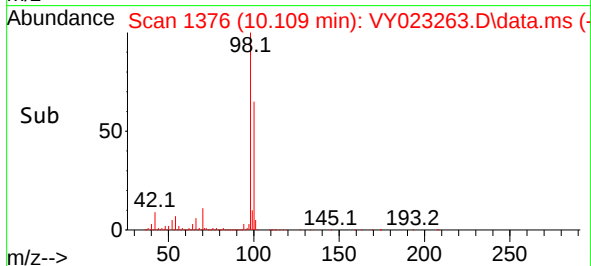
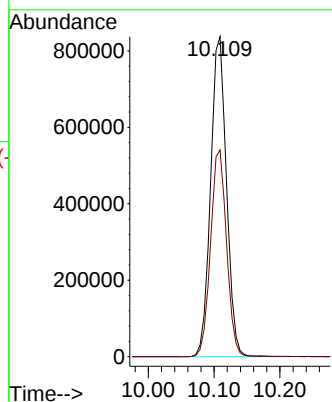
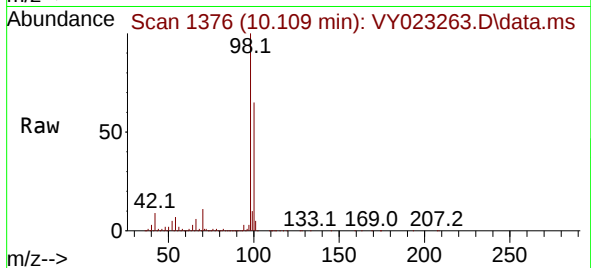




#50
Toluene-d8
Concen: 51.133 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023263.D
Acq: 02 Sep 2025 14:23

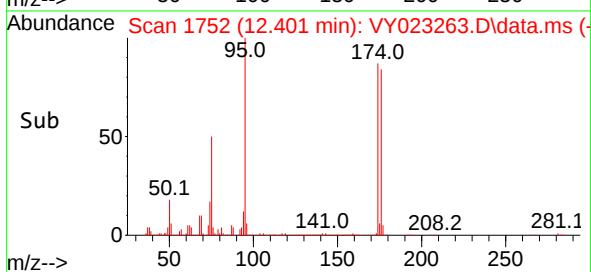
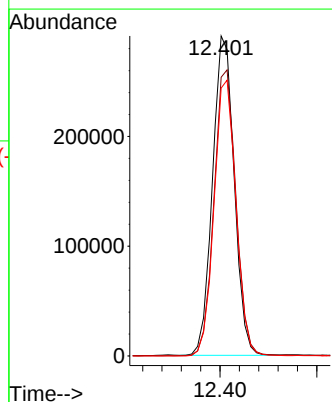
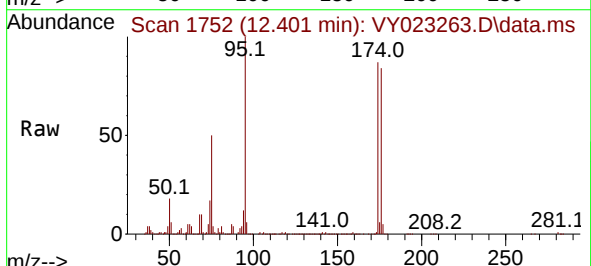
Instrument :
MSVOA_Y
ClientSampleId :
AU-05-082925

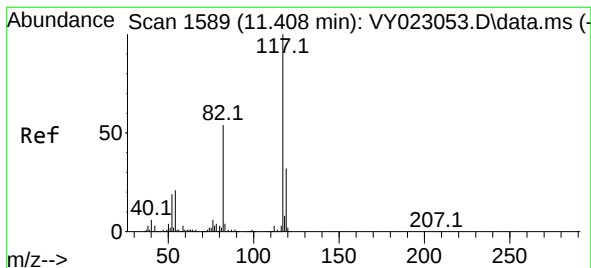
Tgt Ion: 98 Resp: 1403739
Ion Ratio Lower Upper
98 100
100 65.2 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 51.110 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY023263.D
Acq: 02 Sep 2025 14:23

Tgt Ion: 95 Resp: 451237
Ion Ratio Lower Upper
95 100
174 91.4 0.0 171.6
176 87.8 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: VY023263.D

Acq: 02 Sep 2025 14:23

Instrument :

MSVOA_Y

ClientSampleId :

AU-05-082925

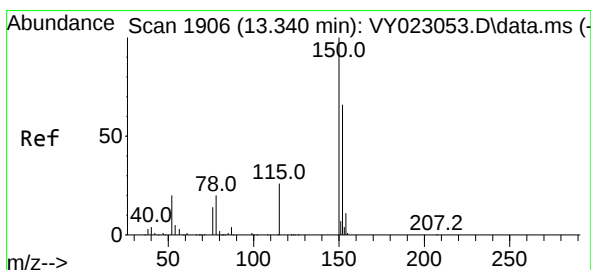
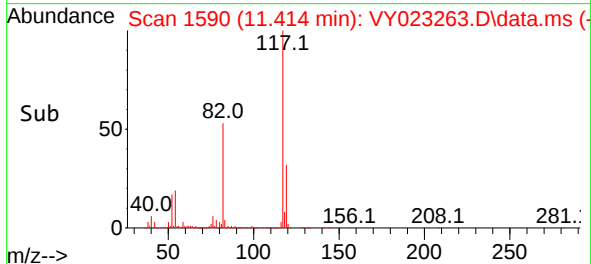
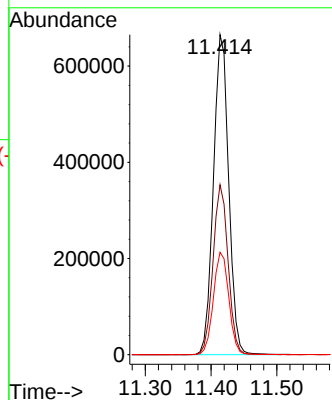
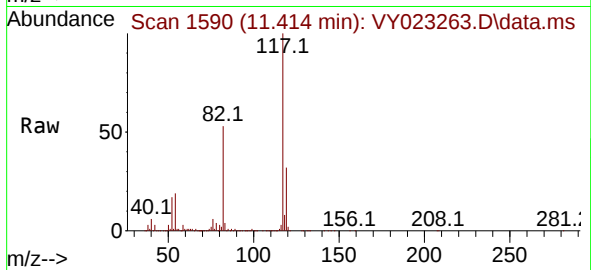
Tgt Ion:117 Resp: 1073513

Ion Ratio Lower Upper

117 100

82 53.1 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: VY023263.D

Acq: 02 Sep 2025 14:23

Tgt Ion:152 Resp: 465350

Ion Ratio Lower Upper

152 100

115 55.8 28.2 84.6

150 156.2 0.0 348.0

