

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082825\
 Data File : VY023230.D
 Acq On : 28 Aug 2025 16:38
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: Aug 29 02:12:59 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	571566	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	1094913	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1001756	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	417700	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	315665	57.948	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	115.900%
35) Dibromofluoromethane	7.640	113	357136	54.511	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	109.020%
50) Toluene-d8	10.109	98	1316643	51.443	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	102.880%
62) 4-Bromofluorobenzene	12.401	95	397818	48.331	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	96.660%

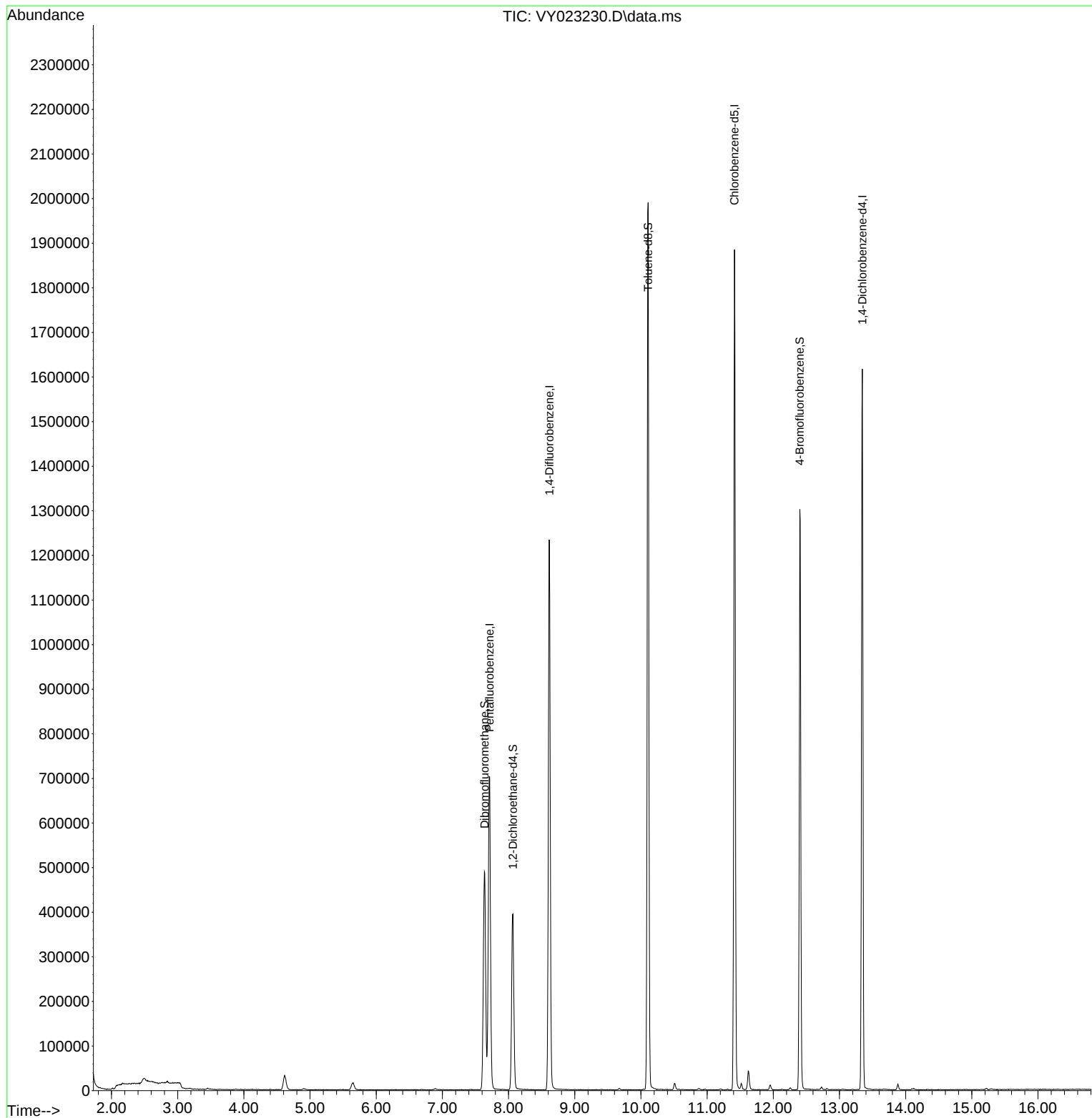
Target Compounds	Qvalue

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

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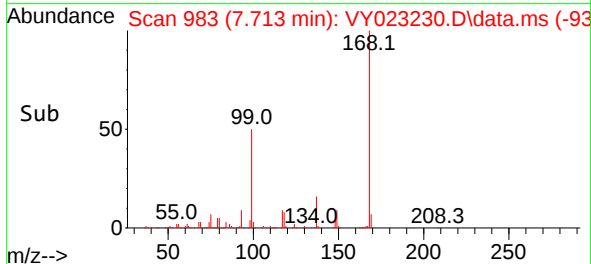
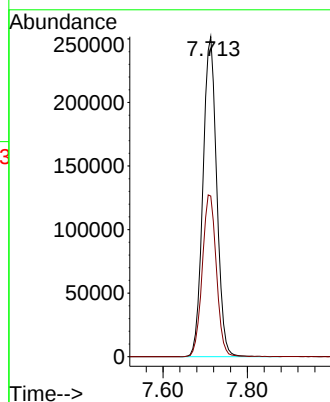
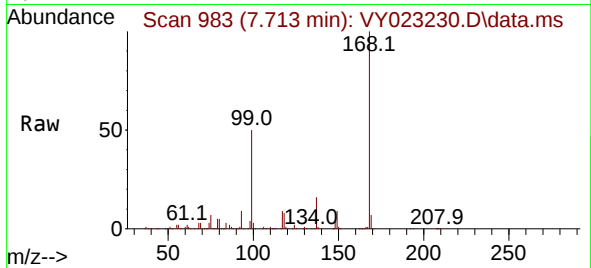




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY023230.D
Acq: 28 Aug 2025 16:38

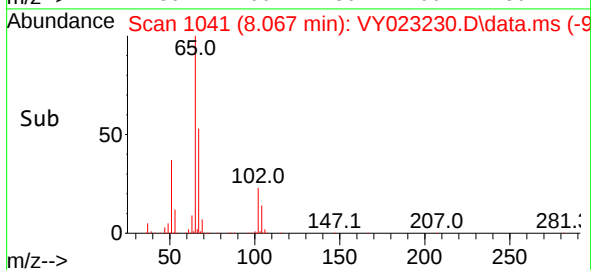
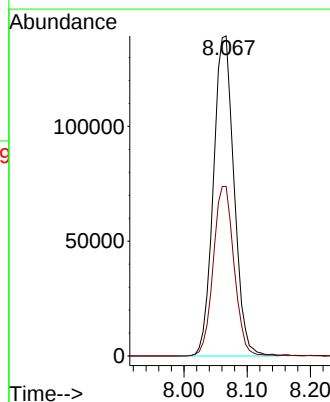
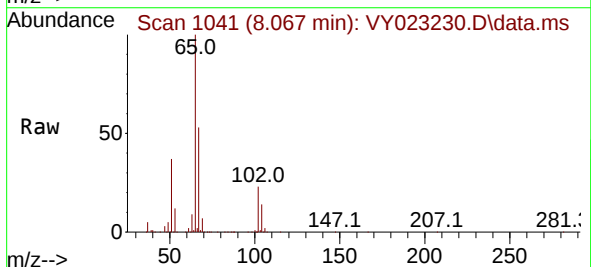
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

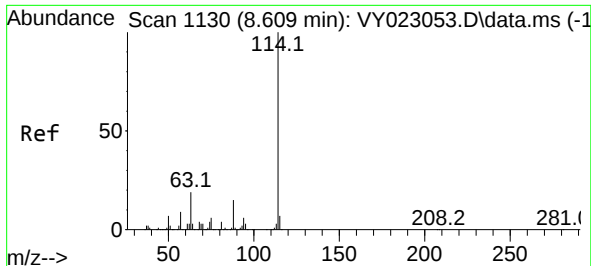
Tgt Ion:168 Resp: 571566
Ion Ratio Lower Upper
168 100
99 50.2 42.8 64.2



#33
1,2-Dichloroethane-d4
Concen: 57.948 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.012 min
Lab File: VY023230.D
Acq: 28 Aug 2025 16:38

Tgt Ion: 65 Resp: 315665
Ion Ratio Lower Upper
65 100
67 53.5 0.0 106.8

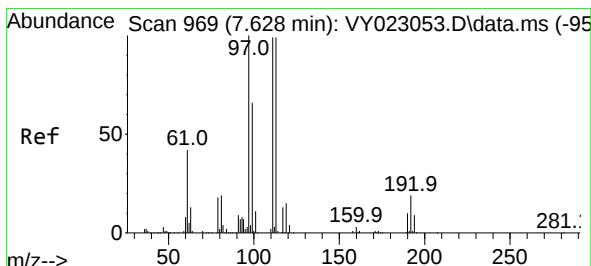
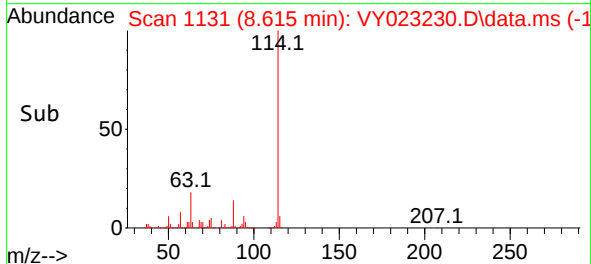
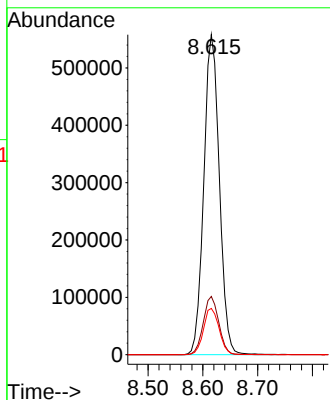
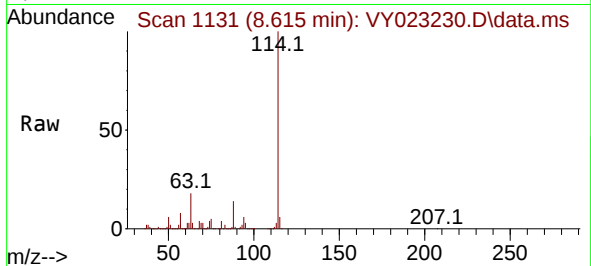




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VY023230.D
Acq: 28 Aug 2025 16:38

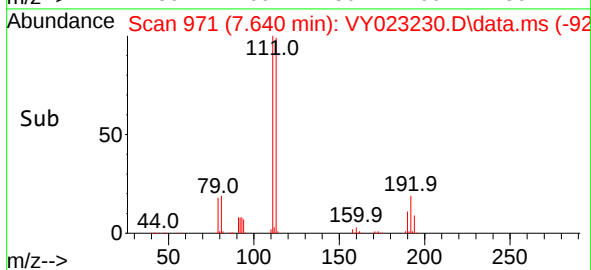
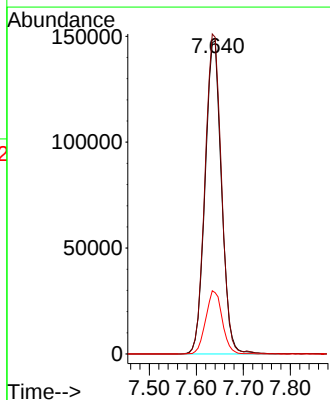
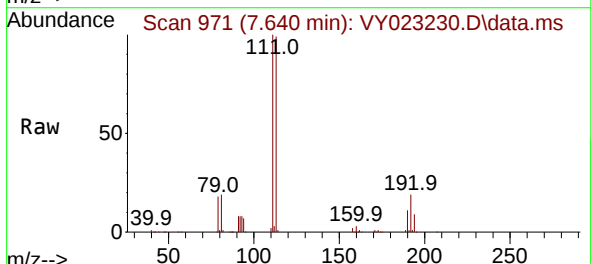
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

Tgt Ion:114 Resp: 1094913
Ion Ratio Lower Upper
114 100
63 18.2 0.0 38.4
88 14.4 0.0 30.0



#35
Dibromofluoromethane
Concen: 54.511 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.012 min
Lab File: VY023230.D
Acq: 28 Aug 2025 16:38

Tgt Ion:113 Resp: 357136
Ion Ratio Lower Upper
113 100
111 102.2 81.1 121.7
192 20.3 16.2 24.4

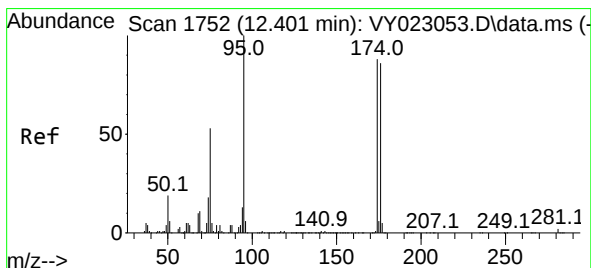
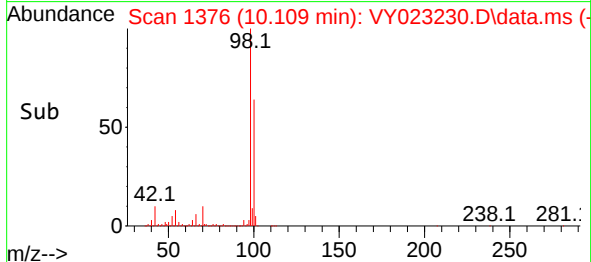
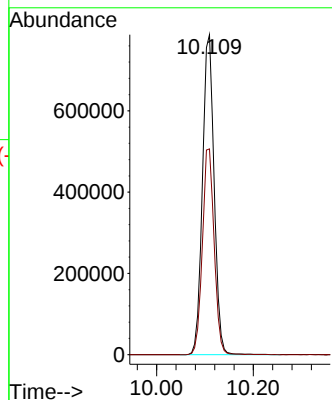
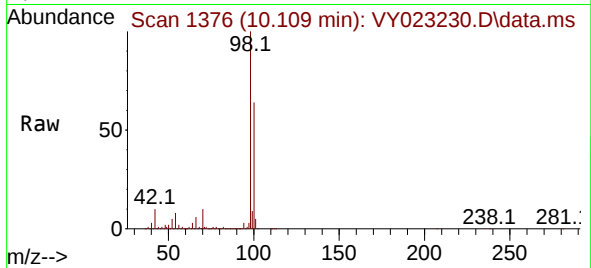




#50
Toluene-d8
Concen: 51.443 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY023230.D
Acq: 28 Aug 2025 16:38

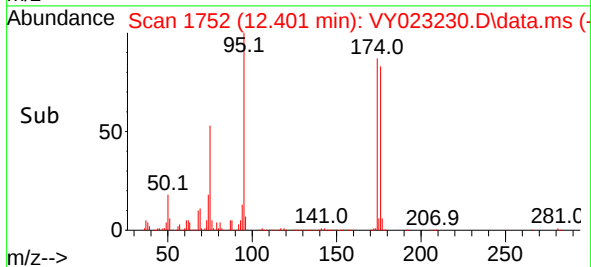
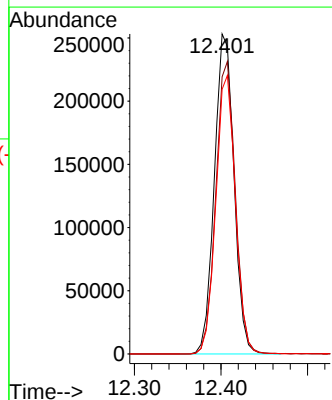
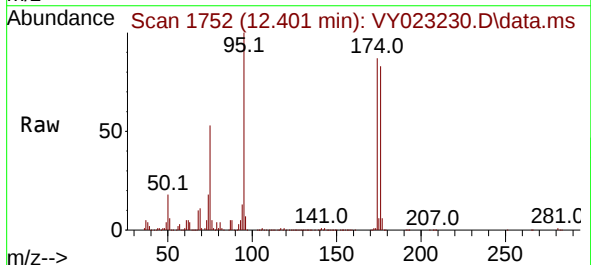
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

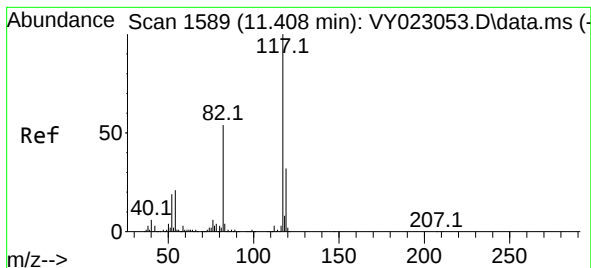
Tgt Ion: 98 Resp: 1316643
Ion Ratio Lower Upper
98 100
100 65.1 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 48.331 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY023230.D
Acq: 28 Aug 2025 16:38

Tgt Ion: 95 Resp: 397818
Ion Ratio Lower Upper
95 100
174 91.4 0.0 171.6
176 87.0 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: VY023230.D

Acq: 28 Aug 2025 16:38

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

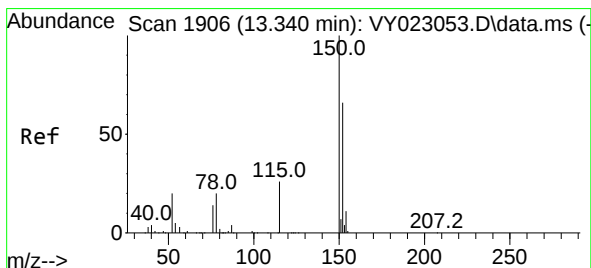
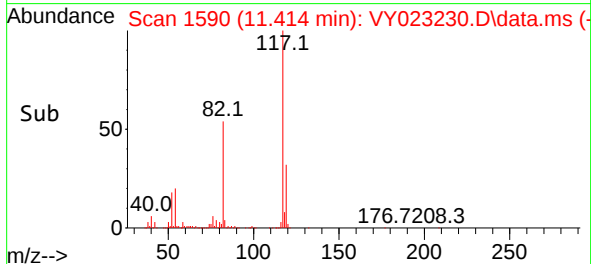
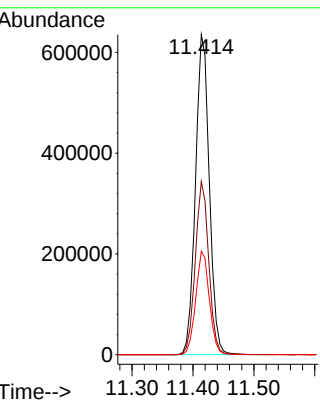
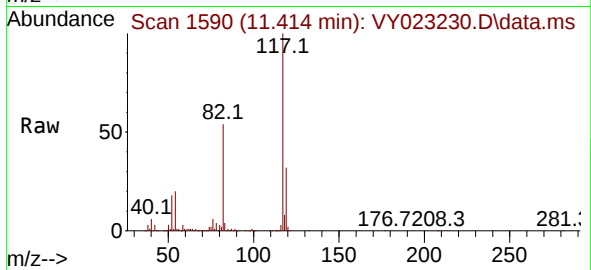
Tgt Ion:117 Resp: 1001756

Ion Ratio Lower Upper

117 100

82 54.1 43.4 65.0

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. 0.006 min

Lab File: VY023230.D

Acq: 28 Aug 2025 16:38

Tgt Ion:152 Resp: 417700

Ion Ratio Lower Upper

152 100

115 56.2 28.2 84.6

150 157.4 0.0 348.0

