

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082025\
 Data File : VY023170.D
 Acq On : 20 Aug 2025 13:01
 Operator : SY/MD
 Sample : Q2879-13
 Misc : 7.70g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-GRILLO-TSCP09-081425

Quant Time: Aug 20 15:24:16 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	525230	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	985769	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	856717	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	295759	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	301144	60.159	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	120.320%
35) Dibromofluoromethane	7.634	113	325828	55.239	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	110.480%
50) Toluene-d8	10.103	98	1187088	51.516	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	103.040%
62) 4-Bromofluorobenzene	12.401	95	324547	43.795	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	87.580%

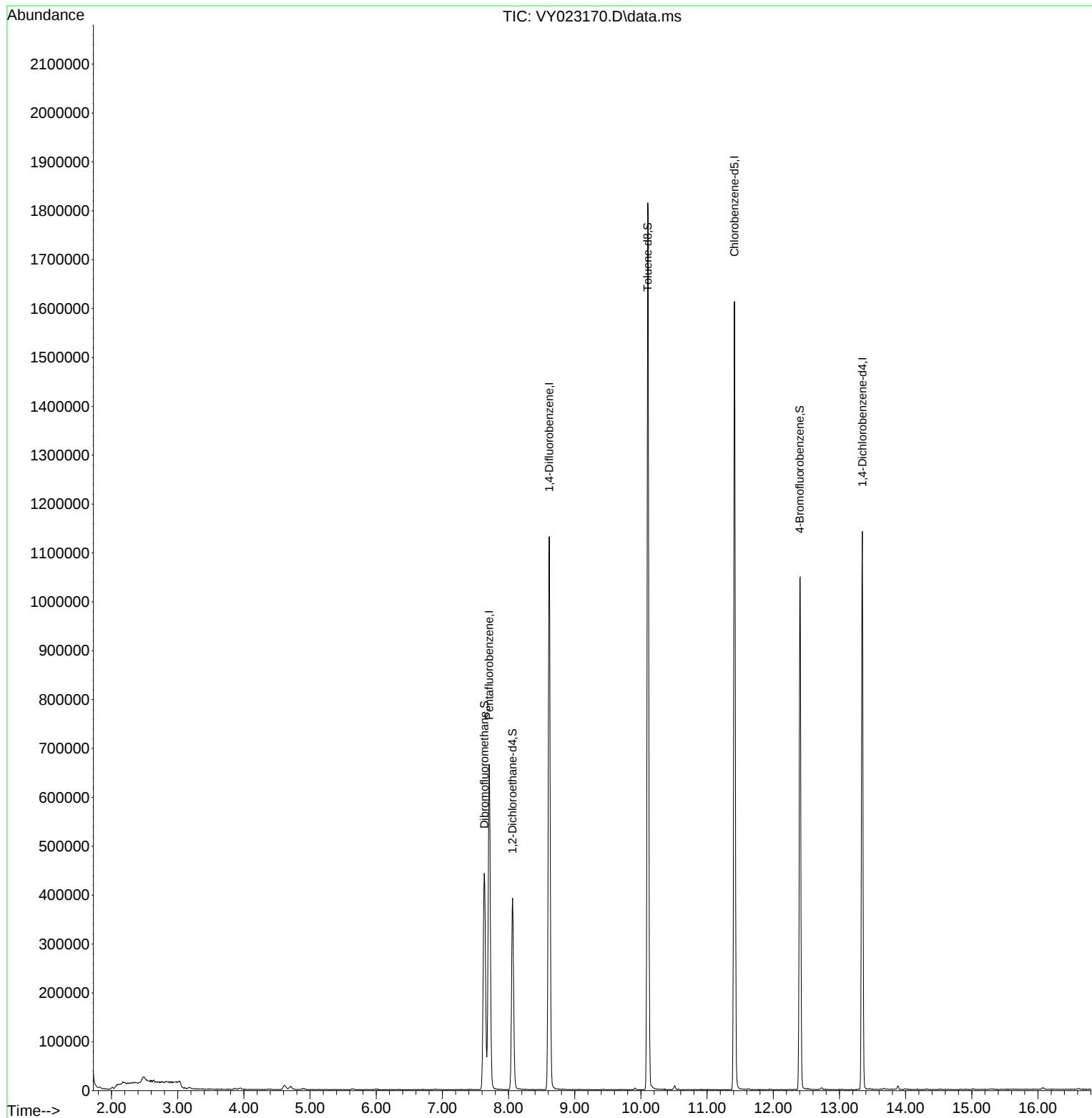
Target Compounds	Qvalue

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

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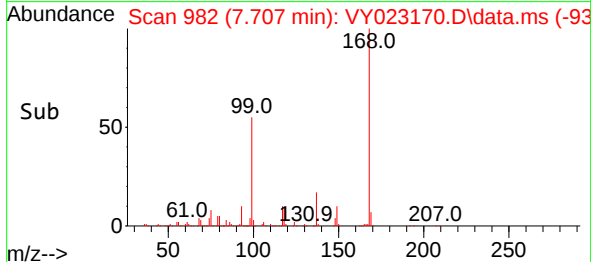
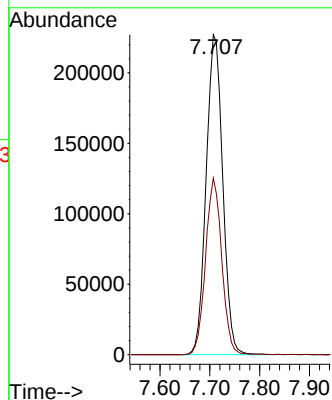
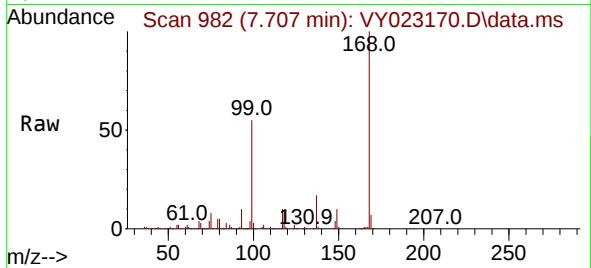




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY023170.D
Acq: 20 Aug 2025 13:01

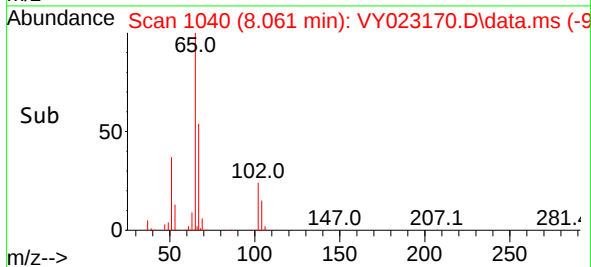
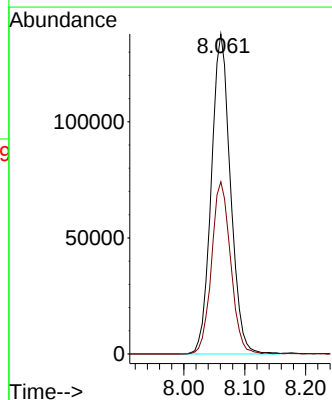
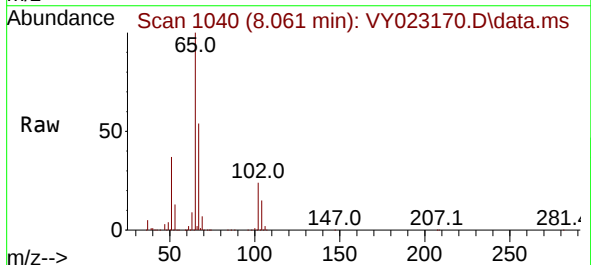
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425

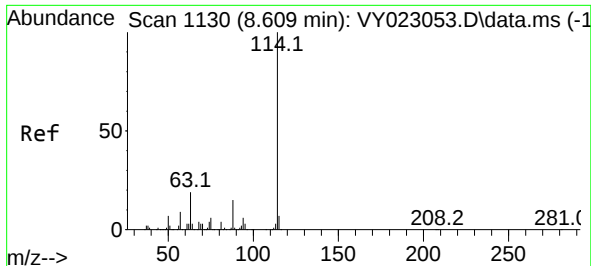
Tgt Ion:168 Resp: 525230
Ion Ratio Lower Upper
168 100
99 55.2 42.8 64.2



#33
1,2-Dichloroethane-d4
Concen: 60.159 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023170.D
Acq: 20 Aug 2025 13:01

Tgt Ion: 65 Resp: 301144
Ion Ratio Lower Upper
65 100
67 53.5 0.0 106.8

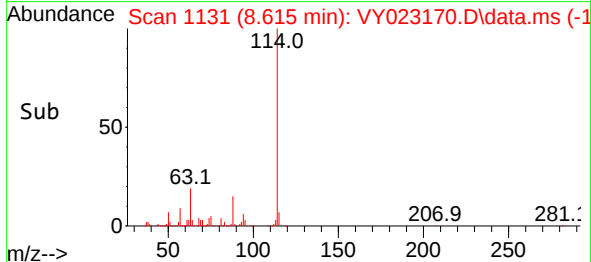
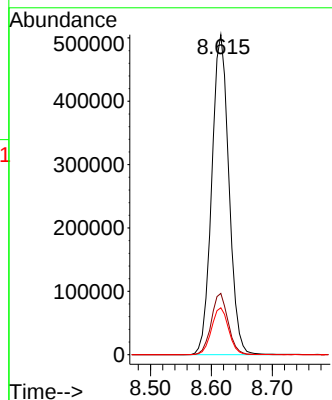
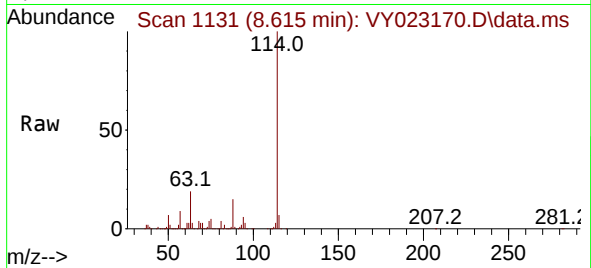




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VY023170.D
Acq: 20 Aug 2025 13:01

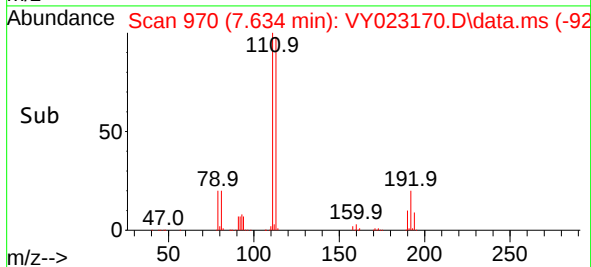
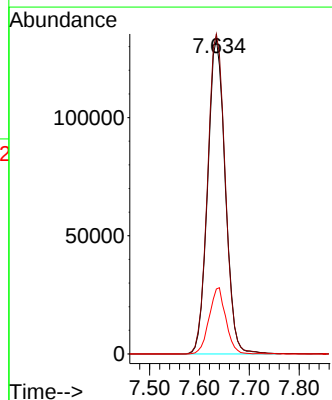
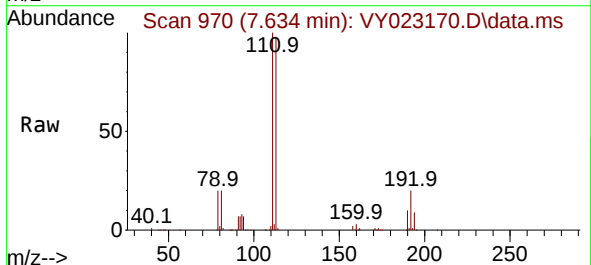
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425

Tgt Ion:114 Resp: 985769
Ion Ratio Lower Upper
114 100
63 19.2 0.0 38.4
88 14.6 0.0 30.0



#35
Dibromofluoromethane
Concen: 55.239 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023170.D
Acq: 20 Aug 2025 13:01

Tgt Ion:113 Resp: 325828
Ion Ratio Lower Upper
113 100
111 102.5 81.1 121.7
192 20.0 16.2 24.4

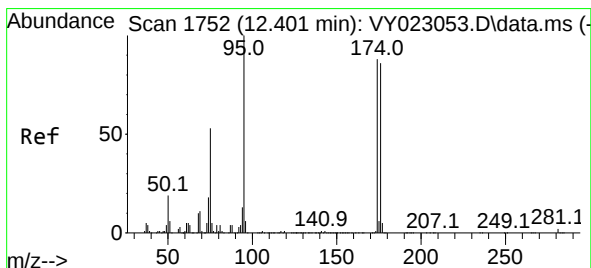
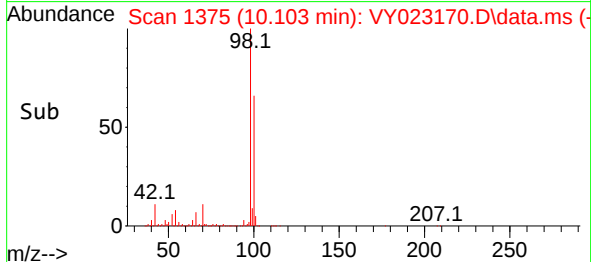
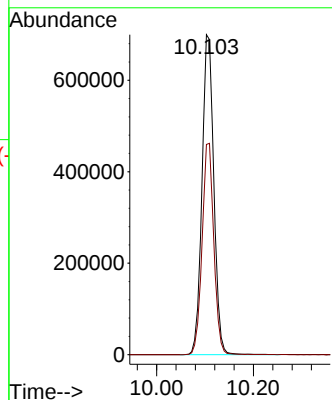
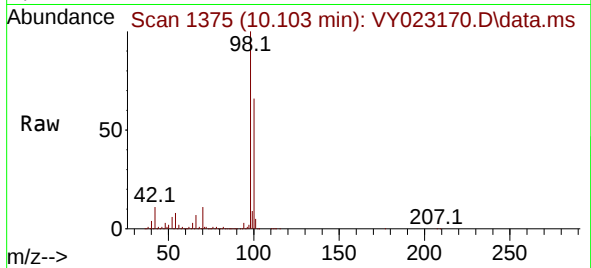




#50
Toluene-d8
Concen: 51.516 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY023170.D
Acq: 20 Aug 2025 13:01

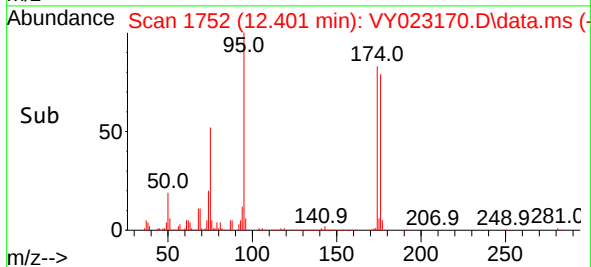
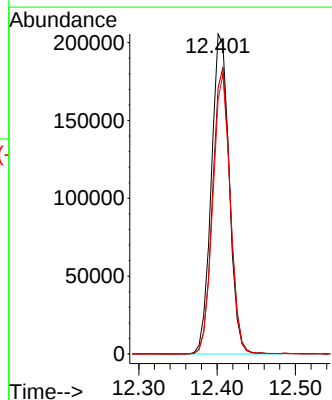
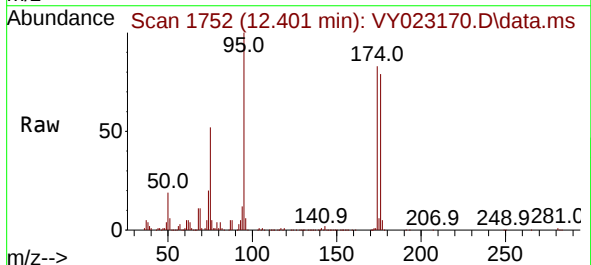
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP09-081425

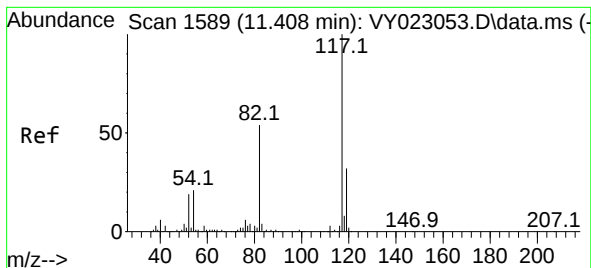
Tgt Ion: 98 Resp: 1187088
Ion Ratio Lower Upper
98 100
100 65.3 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 43.795 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY023170.D
Acq: 20 Aug 2025 13:01

Tgt Ion: 95 Resp: 324547
Ion Ratio Lower Upper
95 100
174 88.5 0.0 171.6
176 85.1 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: VY023170.D

Acq: 20 Aug 2025 13:01

Instrument :

MSVOA_Y

ClientSampleId :

OU4-TS-GRILLO-TSCP09-081425

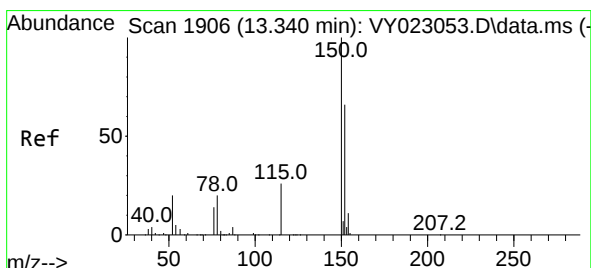
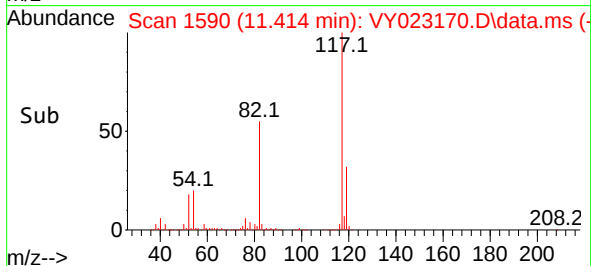
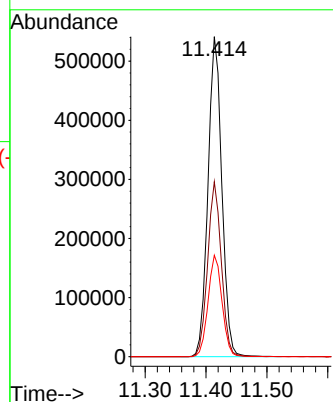
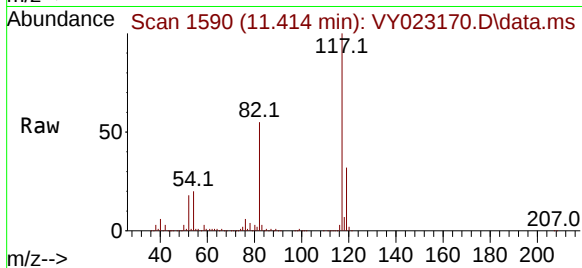
Tgt Ion:117 Resp: 856717

Ion Ratio Lower Upper

117 100

82 54.6 43.4 65.0

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. 0.006 min

Lab File: VY023170.D

Acq: 20 Aug 2025 13:01

Tgt Ion:152 Resp: 295759

Ion Ratio Lower Upper

152 100

115 56.2 28.2 84.6

150 155.9 0.0 348.0

