

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081325\
 Data File : VY023076.D
 Acq On : 13 Aug 2025 17:40
 Operator : SY/MD
 Sample : Q2819-14
 Misc : 6.72g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 17M-W

Quant Time: Aug 14 01:27:21 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	7.701	168	675805	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	1293758	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1059306	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	379138	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	327850	50.901	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	101.800%
35) Dibromofluoromethane	7.628	113	390959	50.502	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.000%
50) Toluene-d8	10.103	98	1562265	51.658	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	103.320%
62) 4-Bromofluorobenzene	12.401	95	401739	41.306	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	82.620%

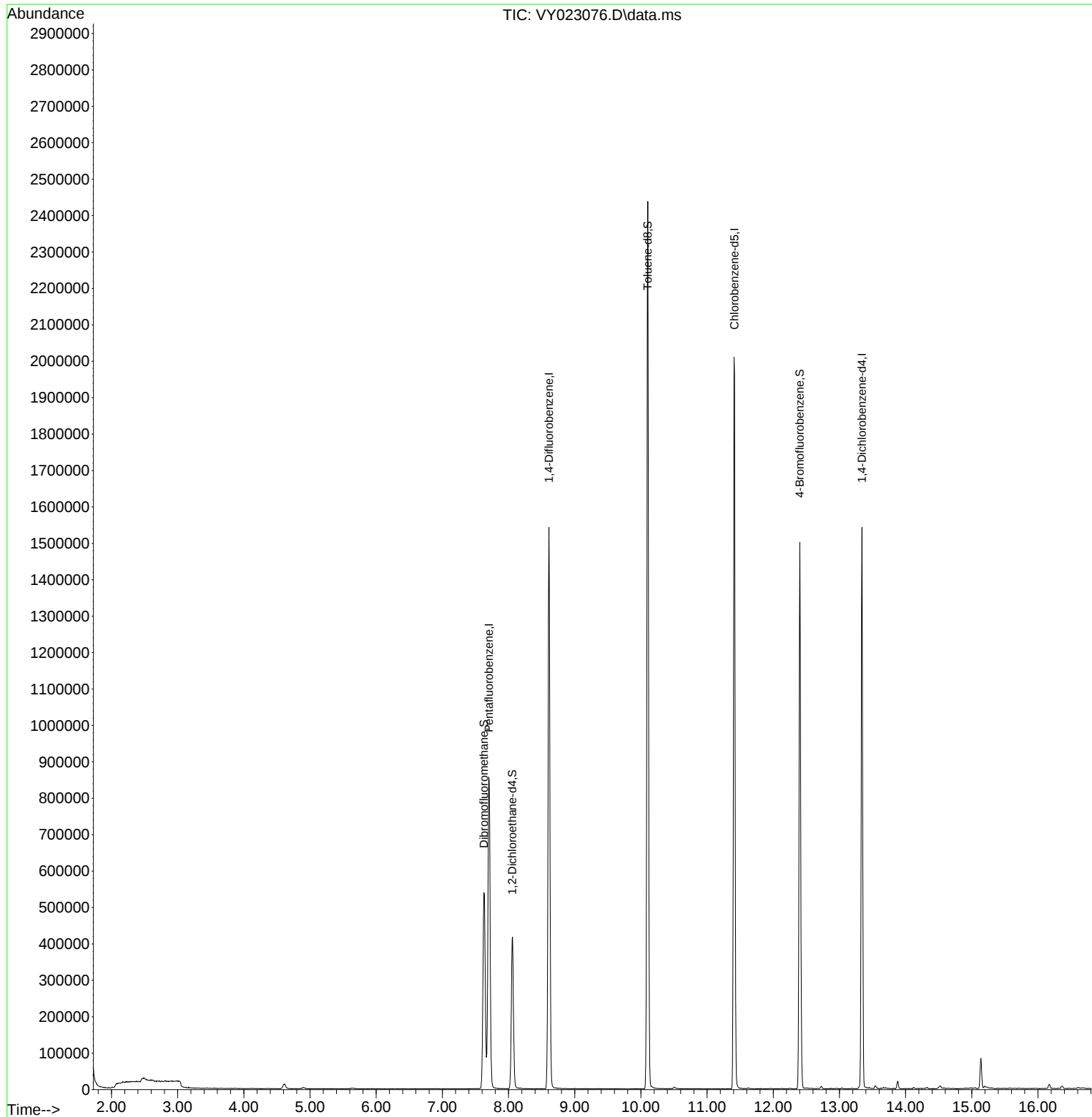
Target Compounds	Qvalue

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

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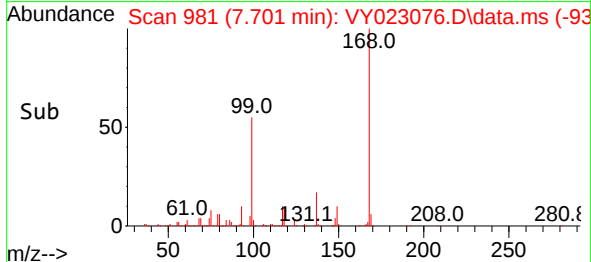
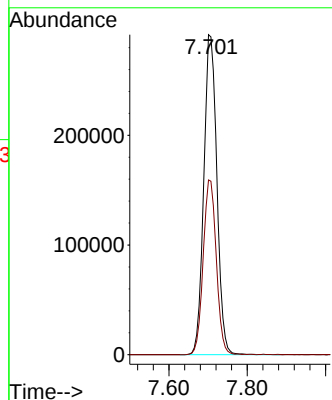
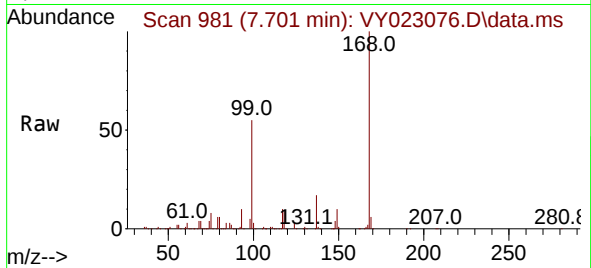




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY023076.D
Acq: 13 Aug 2025 17:40

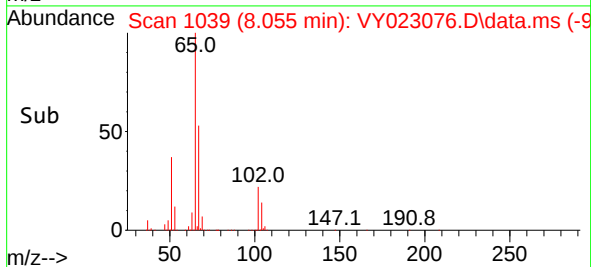
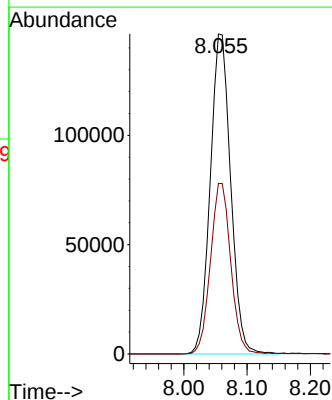
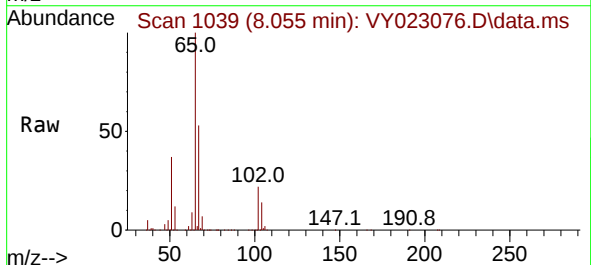
Instrument :
MSVOA_Y
ClientSampleId :
17M-W

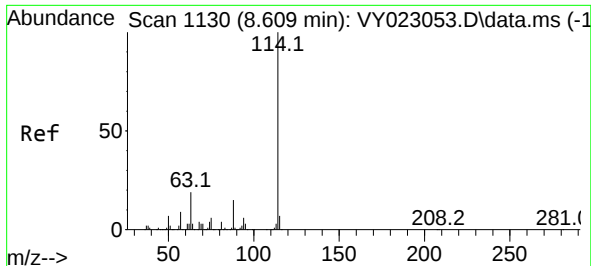
Tgt Ion:168 Resp: 675805
Ion Ratio Lower Upper
168 100
99 54.6 42.8 64.2



#33
1,2-Dichloroethane-d4
Concen: 50.901 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. 0.000 min
Lab File: VY023076.D
Acq: 13 Aug 2025 17:40

Tgt Ion: 65 Resp: 327850
Ion Ratio Lower Upper
65 100
67 53.1 0.0 106.8

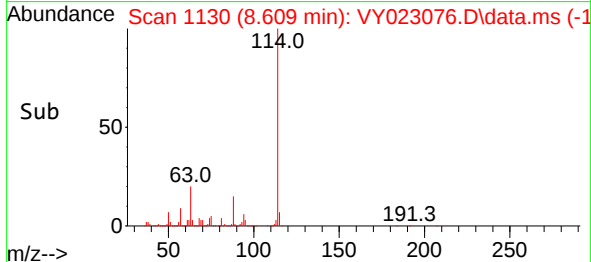
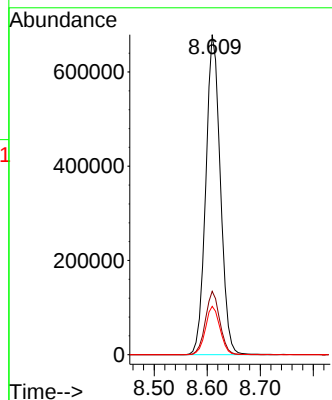
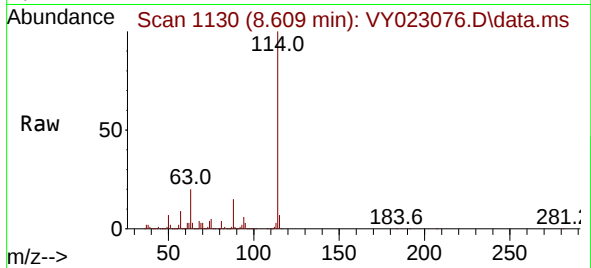




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 1130
Delta R.T. 0.000 min
Lab File: VY023076.D
Acq: 13 Aug 2025 17:40

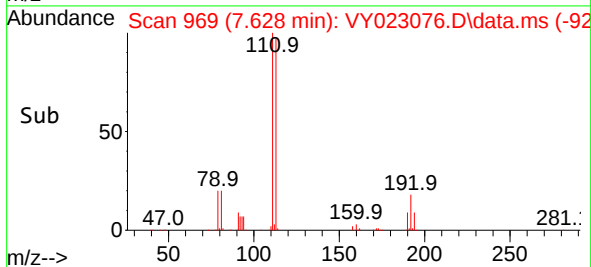
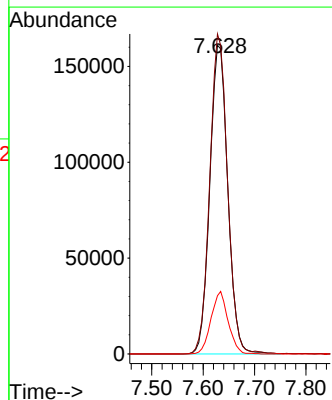
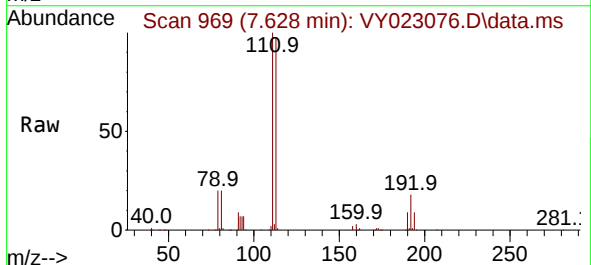
Instrument :
MSVOA_Y
ClientSampleId :
17M-W

Tgt Ion:114 Resp: 1293758
Ion Ratio Lower Upper
114 100
63 19.8 0.0 38.4
88 15.1 0.0 30.0



#35
Dibromofluoromethane
Concen: 50.502 ug/l
RT: 7.628 min Scan# 969
Delta R.T. 0.000 min
Lab File: VY023076.D
Acq: 13 Aug 2025 17:40

Tgt Ion:113 Resp: 390959
Ion Ratio Lower Upper
113 100
111 102.6 81.1 121.7
192 19.3 16.2 24.4

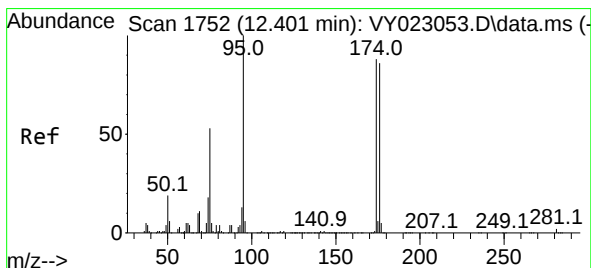
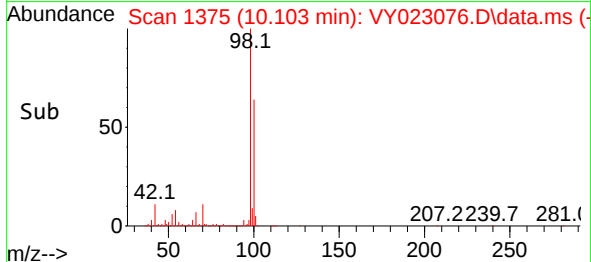
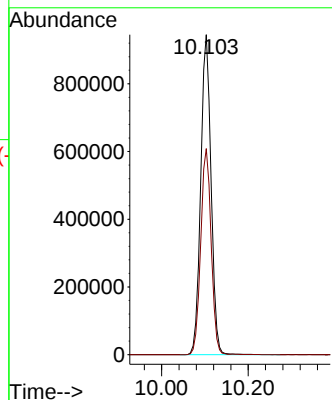
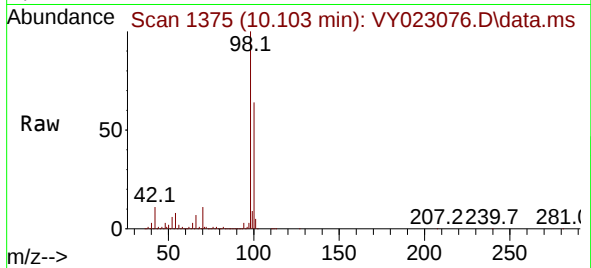




#50
Toluene-d8
Concen: 51.658 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. 0.000 min
Lab File: VY023076.D
Acq: 13 Aug 2025 17:40

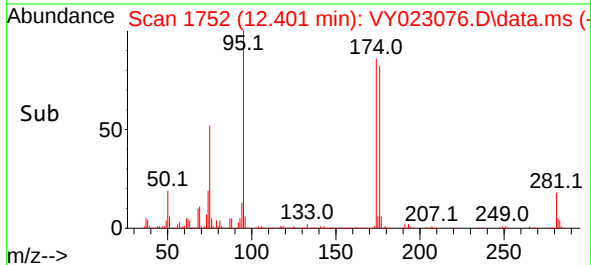
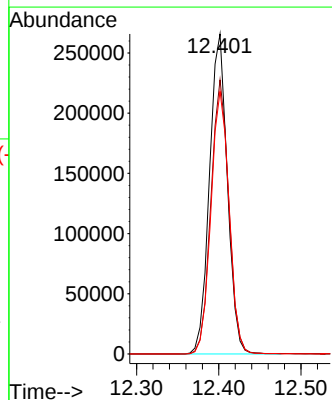
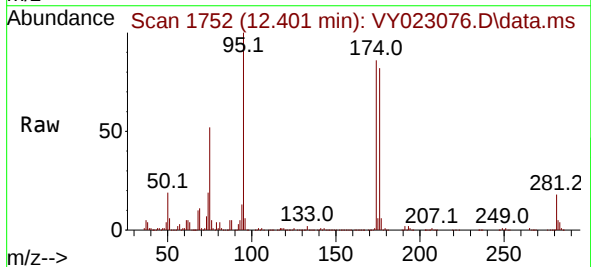
Instrument :
MSVOA_Y
ClientSampleId :
17M-W

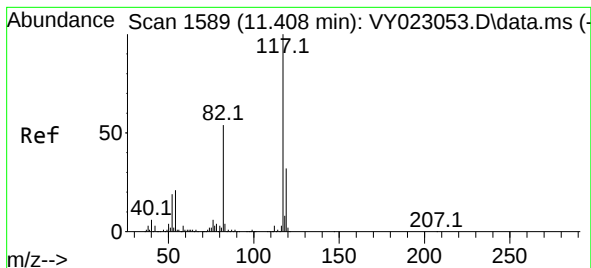
Tgt Ion: 98 Resp: 1562265
Ion Ratio Lower Upper
98 100
100 65.0 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 41.306 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023076.D
Acq: 13 Aug 2025 17:40

Tgt Ion: 95 Resp: 401739
Ion Ratio Lower Upper
95 100
174 86.2 0.0 171.6
176 83.6 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: VY023076.D

Acq: 13 Aug 2025 17:40

Instrument :

MSVOA_Y

ClientSampleId :

17M-W

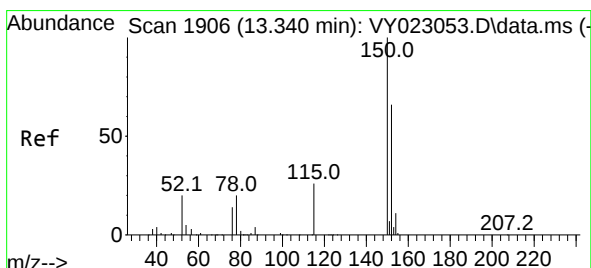
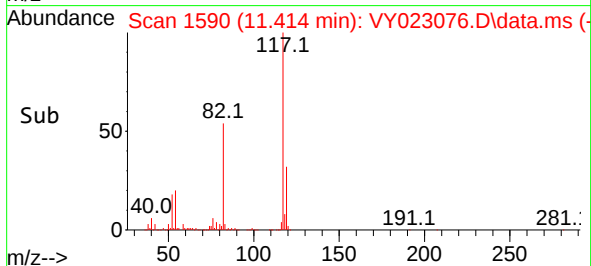
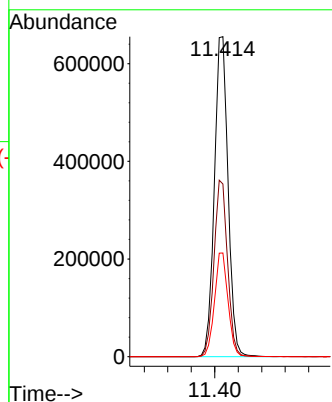
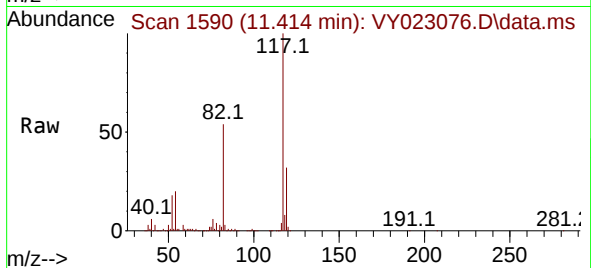
Tgt Ion:117 Resp: 1059306

Ion Ratio Lower Upper

117 100

82 53.9 43.4 65.0

119 32.4 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. 0.000 min

Lab File: VY023076.D

Acq: 13 Aug 2025 17:40

Tgt Ion:152 Resp: 379138

Ion Ratio Lower Upper

152 100

115 57.0 28.2 84.6

150 156.2 0.0 348.0

