

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY081925\
 Data File : VY023153.D
 Acq On : 19 Aug 2025 16:02
 Operator : SY/MD
 Sample : Q2879-11
 Misc : 3.96g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-GRILLO-TSCP08-081425

Quant Time: Aug 20 01:32:02 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	527740	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	988192	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	796376	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	251001	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	281131	55.894	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	111.780%
35) Dibromofluoromethane	7.634	113	311495	52.679	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.360%
50) Toluene-d8	10.103	98	1174381	50.840	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.680%
62) 4-Bromofluorobenzene	12.402	95	282189	37.986	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	75.980%

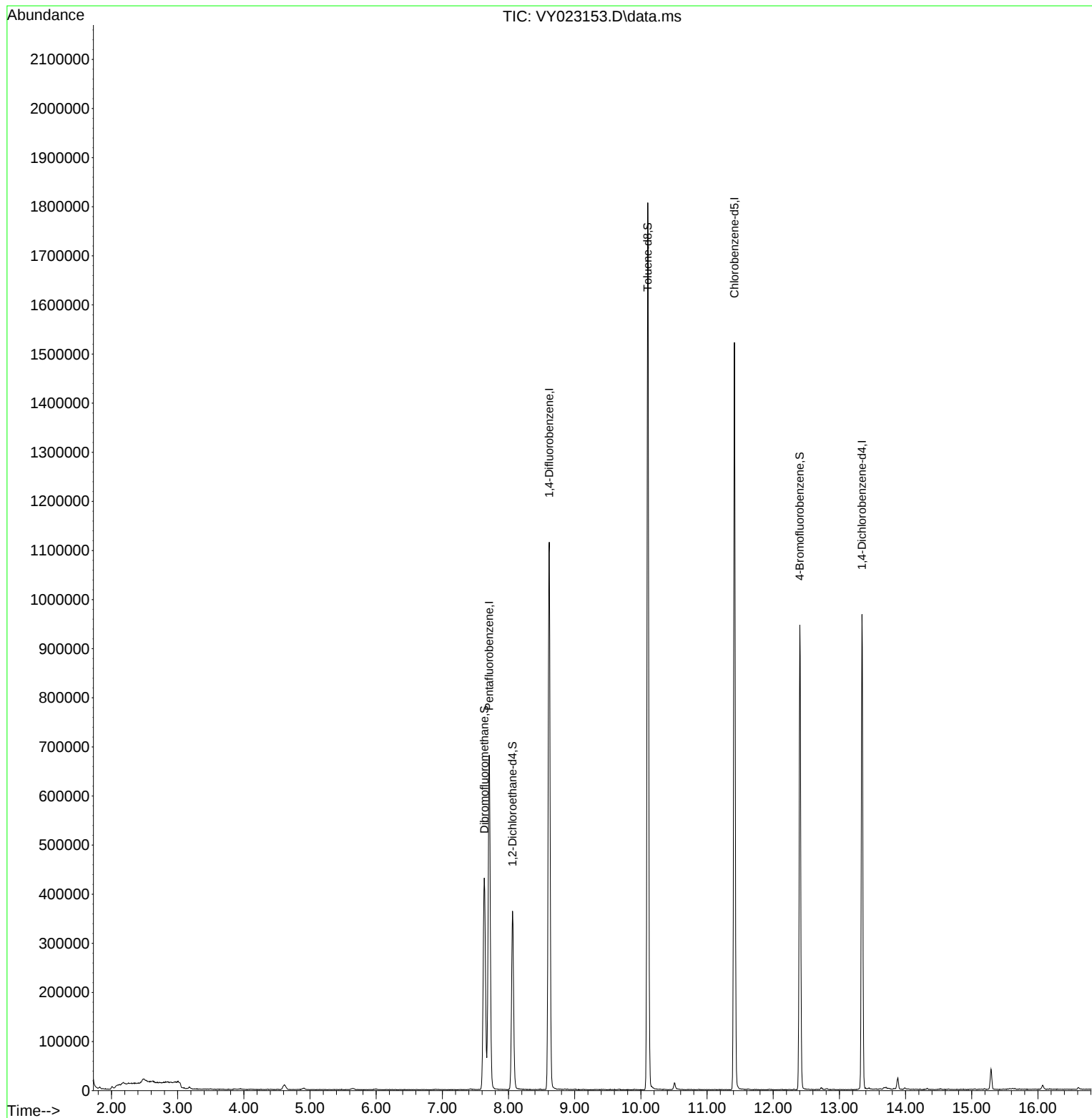
Target Compounds	Qvalue

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

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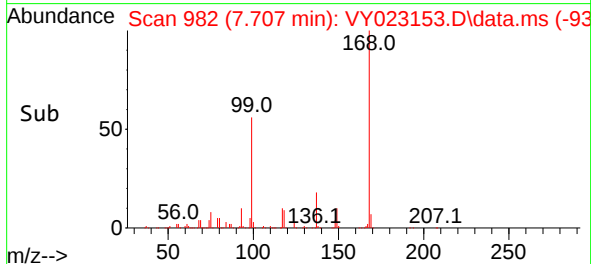
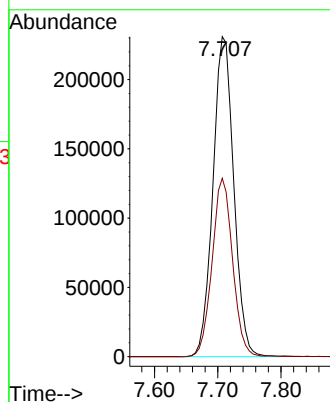
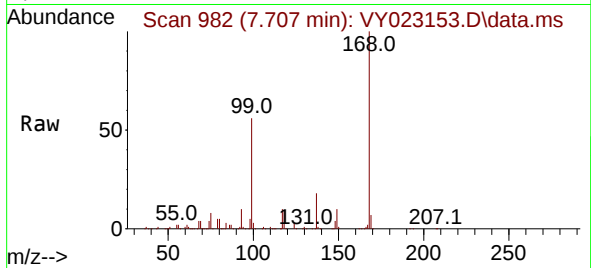




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023153.D
Acq: 19 Aug 2025 16:02

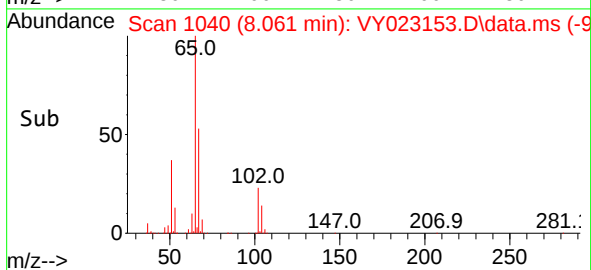
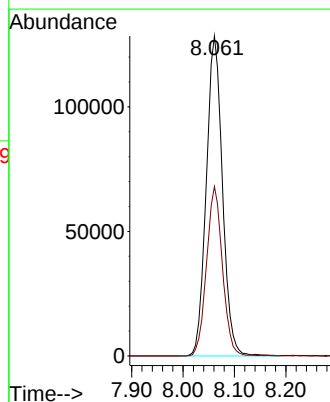
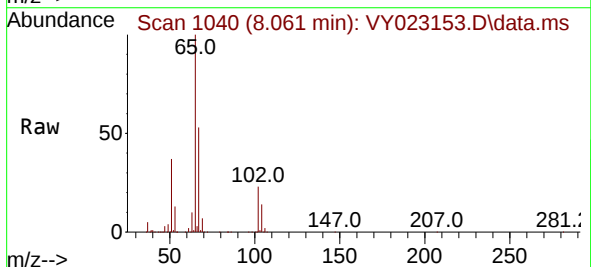
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-GRILLO-TSCP08-081425

Tgt Ion:168 Resp: 527740
Ion Ratio Lower Upper
168 100
99 55.8 42.8 64.2



#33
1,2-Dichloroethane-d4
Concen: 55.894 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023153.D
Acq: 19 Aug 2025 16:02

Tgt Ion: 65 Resp: 281131
Ion Ratio Lower Upper
65 100
67 52.1 0.0 106.8

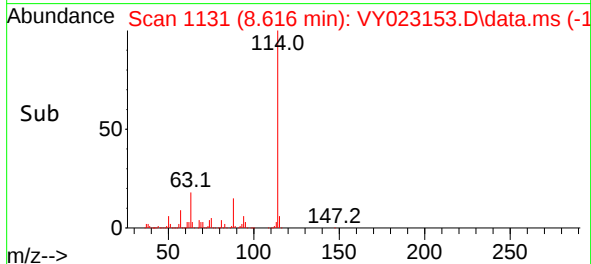
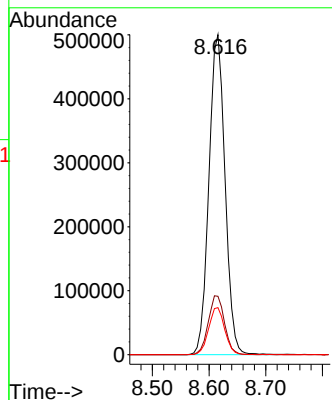
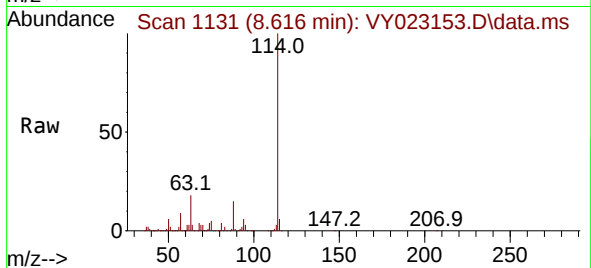




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1130
Delta R.T. 0.006 min
Lab File: VY023153.D
Acq: 19 Aug 2025 16:02

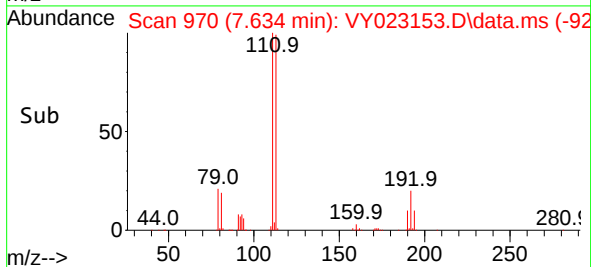
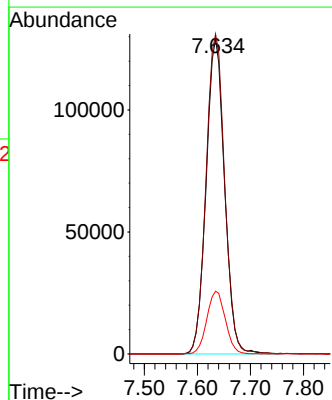
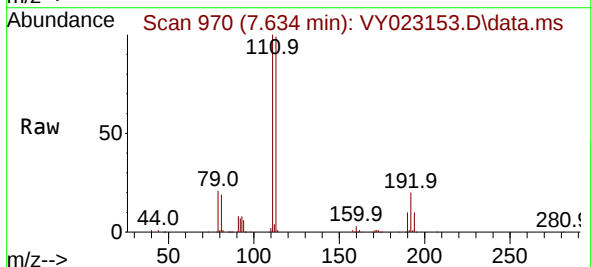
Instrument :
MSVOA_Y
ClientSampleId :
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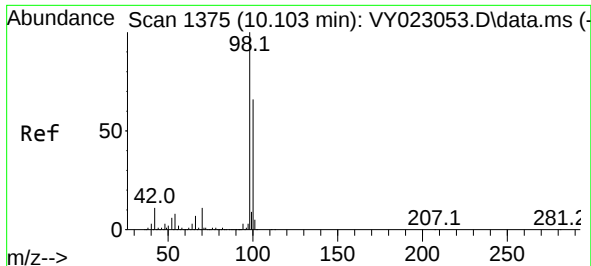
Tgt Ion:114 Resp: 988192
Ion Ratio Lower Upper
114 100
63 18.2 0.0 38.4
88 14.7 0.0 30.0



#35
Dibromofluoromethane
Concen: 52.679 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023153.D
Acq: 19 Aug 2025 16:02

Tgt Ion:113 Resp: 311495
Ion Ratio Lower Upper
113 100
111 102.5 81.1 121.7
192 20.0 16.2 24.4

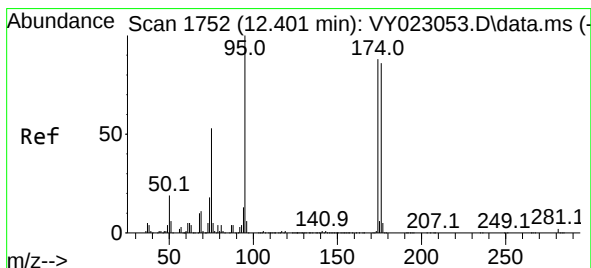
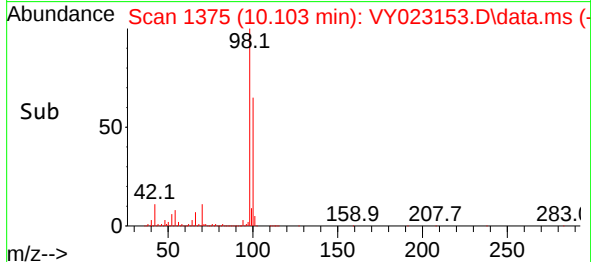
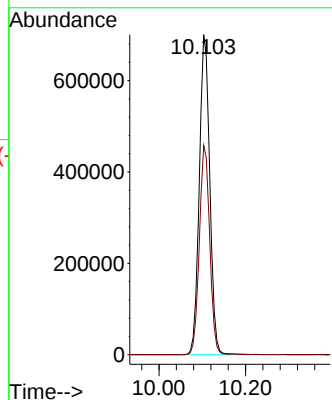
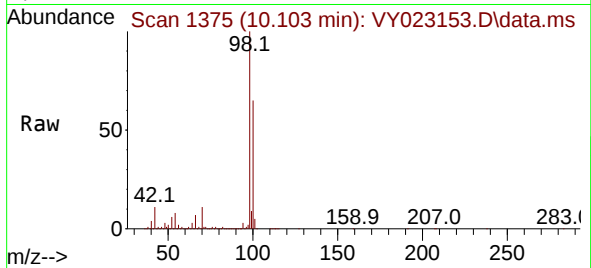




#50
Toluene-d8
Concen: 50.840 ug/l
RT: 10.103 min Scan# 1174381
Delta R.T. 0.000 min
Lab File: VY023153.D
Acq: 19 Aug 2025 16:02

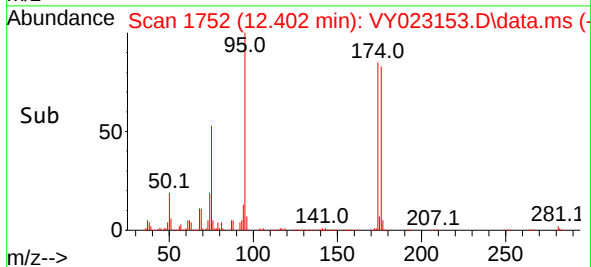
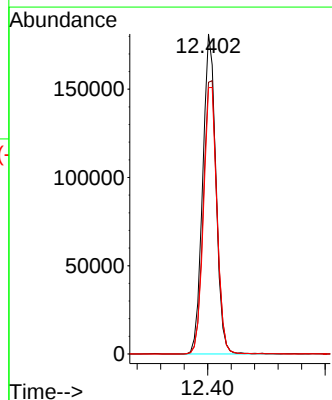
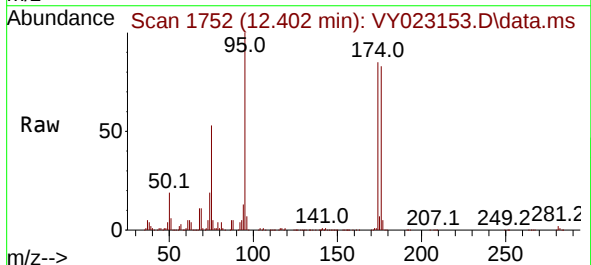
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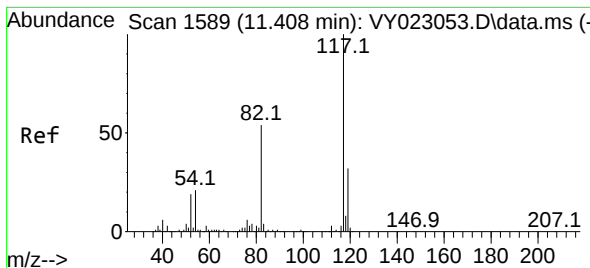
Tgt Ion: 98 Resp: 1174381
Ion Ratio Lower Upper
98 100
100 64.9 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 37.986 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023153.D
Acq: 19 Aug 2025 16:02

Tgt Ion: 95 Resp: 282189
Ion Ratio Lower Upper
95 100
174 88.2 0.0 171.6
176 85.2 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY023153.D

Acq: 19 Aug 2025 16:02

Instrument :

MSVOA_Y

ClientSampleId :

OU4-TS-GRILLO-TSCP08-081425

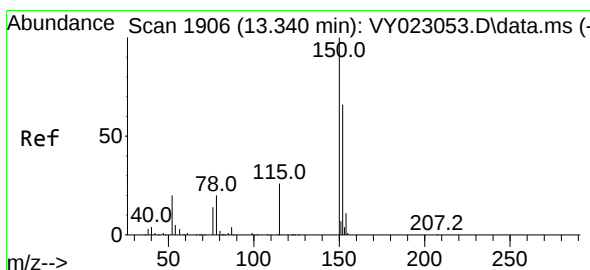
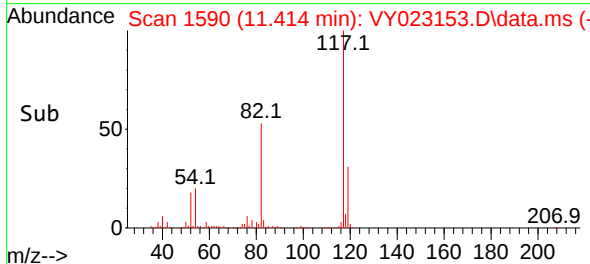
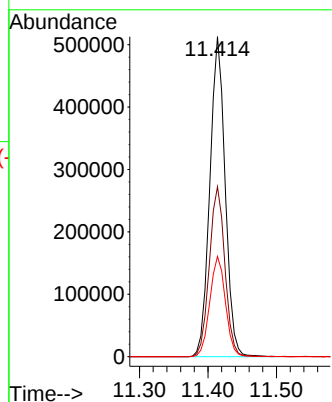
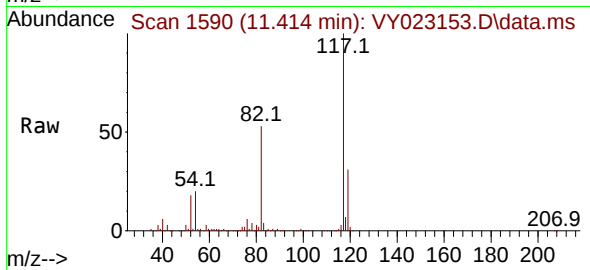
Tgt Ion:117 Resp: 796376

Ion Ratio Lower Upper

117 100

82 53.1 43.4 65.0

119 31.4 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: VY023153.D

Acq: 19 Aug 2025 16:02

Tgt Ion:152 Resp: 251001

Ion Ratio Lower Upper

152 100

115 57.0 28.2 84.6

150 157.0 0.0 348.0

