

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY050825\
 Data File : VY022200.D
 Acq On : 08 May 2025 09:51
 Operator : SY/MD
 Sample : VY0508SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0508SBL01

Quant Time: May 09 05:05:01 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y042225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Apr 23 02:30:30 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	7.707	168	240953	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	470734	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	417752	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	149349	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	130951	58.837	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	117.680%
35) Dibromofluoromethane	7.634	113	164955	53.042	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	106.080%
50) Toluene-d8	10.109	98	567636	48.415	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.840%
62) 4-Bromofluorobenzene	12.408	95	220686	55.914	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	111.820%

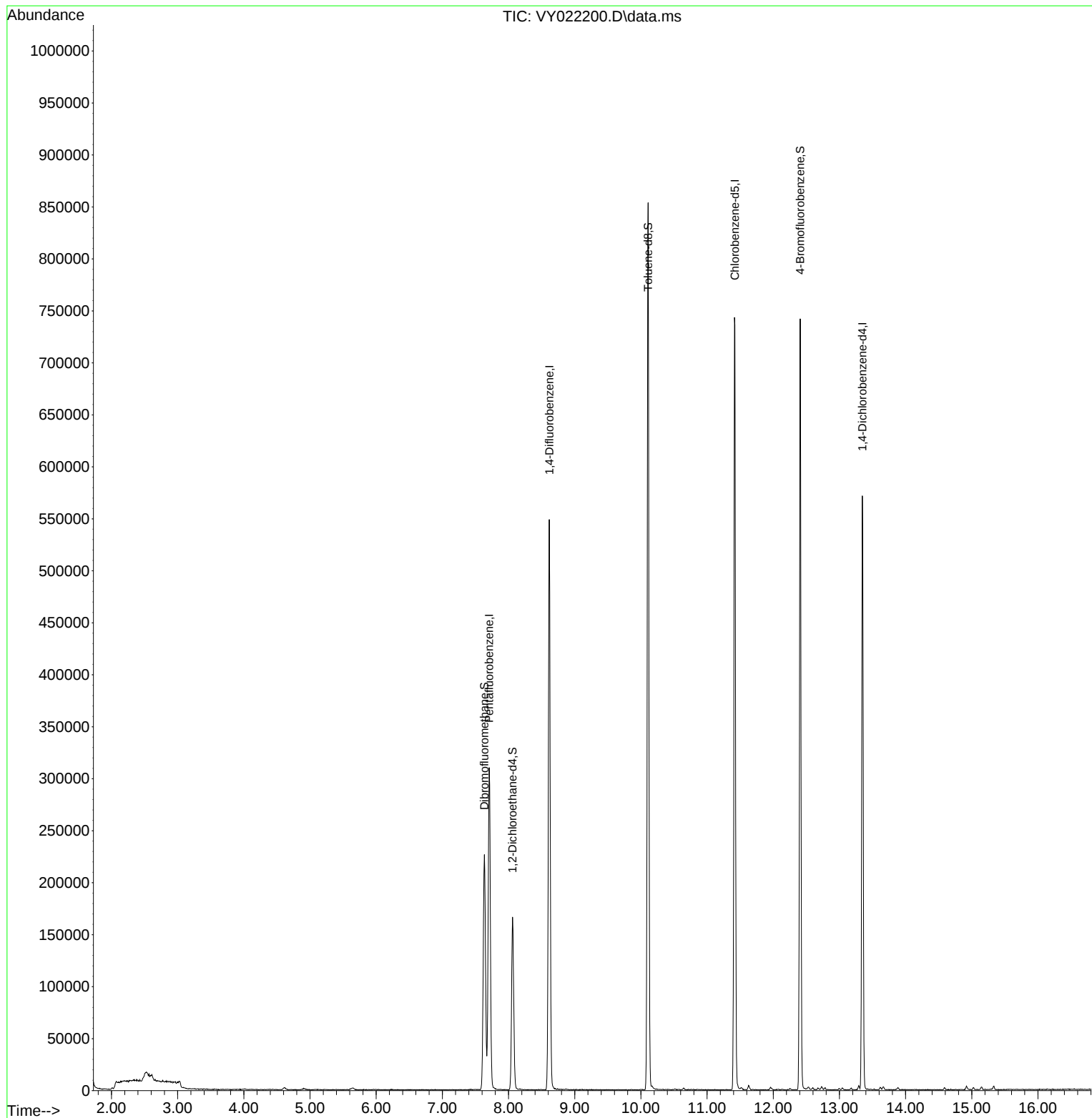
Target Compounds	Qvalue

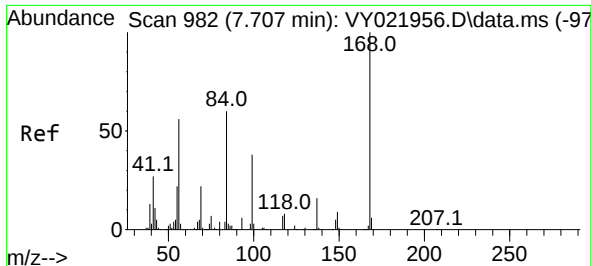
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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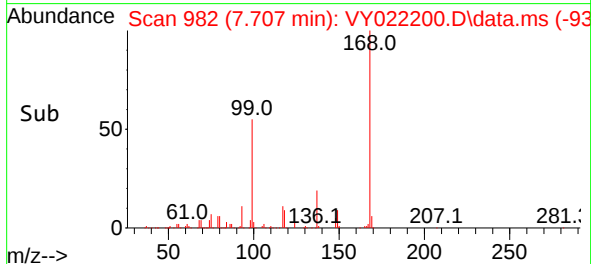
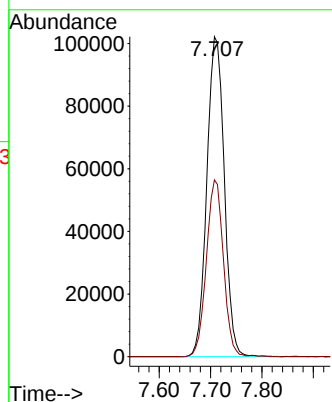
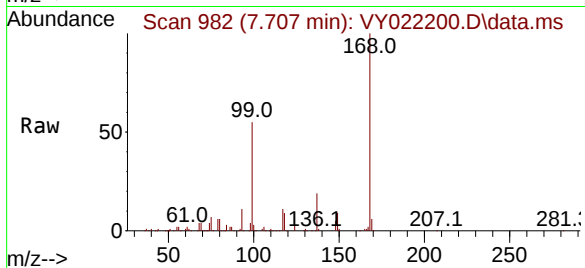




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022200.D
Acq: 08 May 2025 09:51

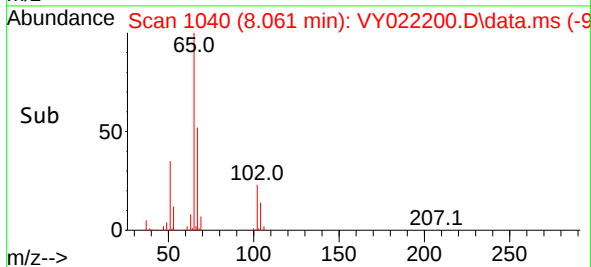
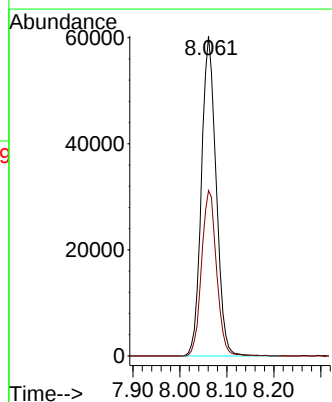
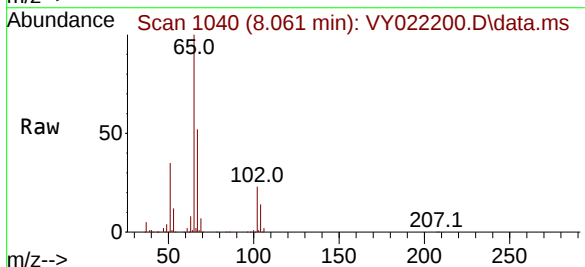
Instrument :
MSVOA_Y
ClientSampleId :
VY0508SBL01

Tgt Ion:168 Resp: 240953
Ion Ratio Lower Upper
168 100
99 55.2 43.1 64.7



#33
1,2-Dichloroethane-d4
Concen: 58.837 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY022200.D
Acq: 08 May 2025 09:51

Tgt Ion: 65 Resp: 130951
Ion Ratio Lower Upper
65 100
67 52.6 0.0 105.8

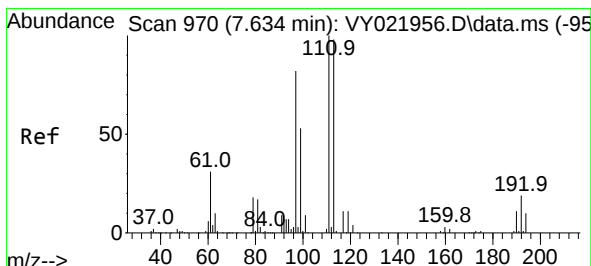
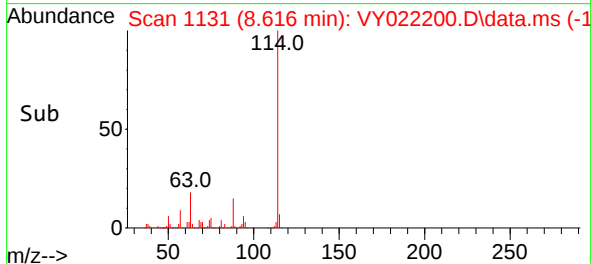
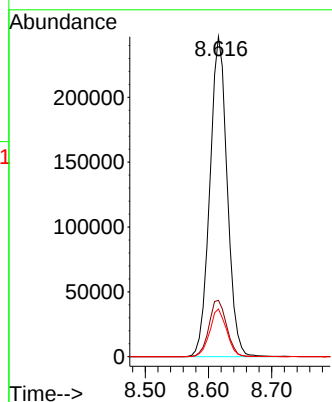
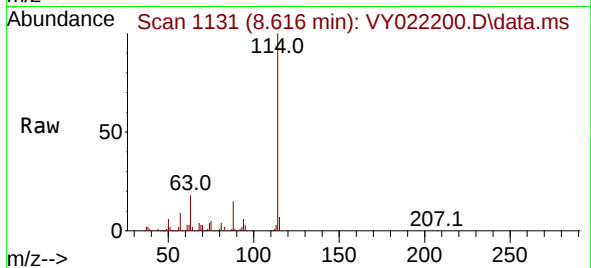




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.000 min
Lab File: VY022200.D
Acq: 08 May 2025 09:51

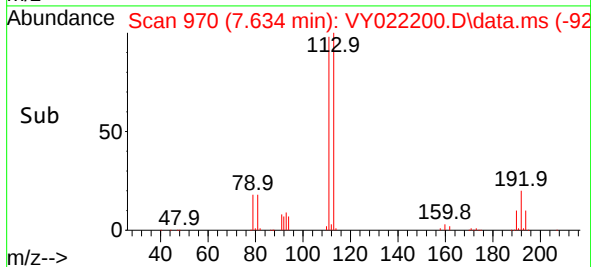
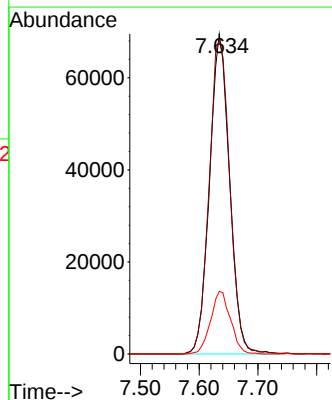
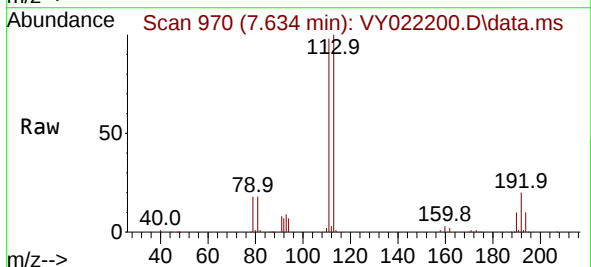
Instrument :
MSVOA_Y
ClientSampleId :
VY0508SBL01

Tgt Ion:114 Resp: 470734
Ion Ratio Lower Upper
114 100
63 17.6 0.0 35.4
88 14.9 0.0 28.2



#35
Dibromofluoromethane
Concen: 53.042 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY022200.D
Acq: 08 May 2025 09:51

Tgt Ion:113 Resp: 164955
Ion Ratio Lower Upper
113 100
111 101.2 81.8 122.8
192 19.4 15.6 23.4

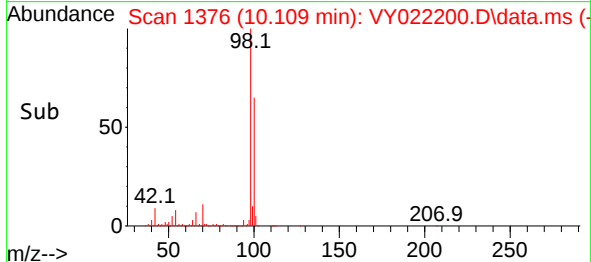
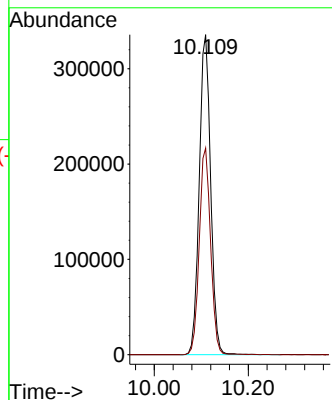
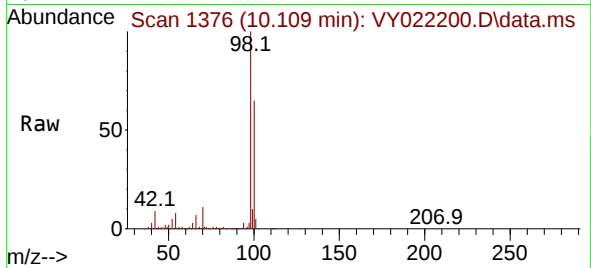




#50
Toluene-d8
Concen: 48.415 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY022200.D
Acq: 08 May 2025 09:51

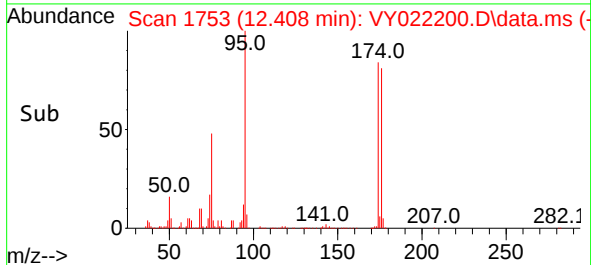
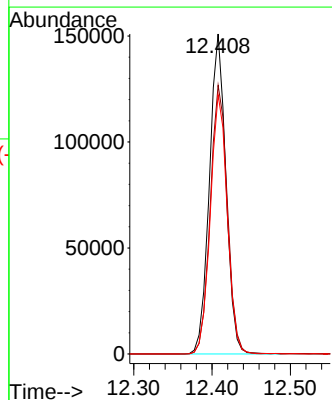
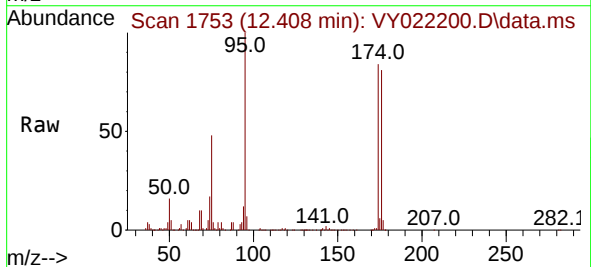
Instrument :
MSVOA_Y
ClientSampleId :
VY0508SBL01

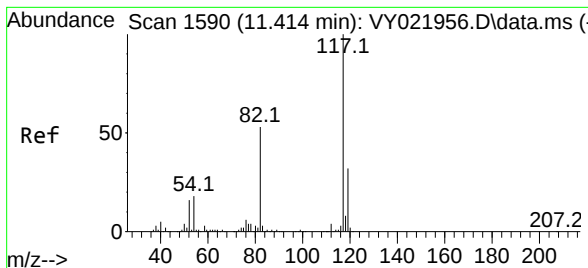
Tgt Ion: 98 Resp: 567636
Ion Ratio Lower Upper
98 100
100 64.2 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 55.914 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY022200.D
Acq: 08 May 2025 09:51

Tgt Ion: 95 Resp: 220686
Ion Ratio Lower Upper
95 100
174 87.3 0.0 179.0
176 82.9 0.0 171.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY022200.D

Acq: 08 May 2025 09:51

Instrument :

MSVOA_Y

ClientSampleId :

VY0508SBL01

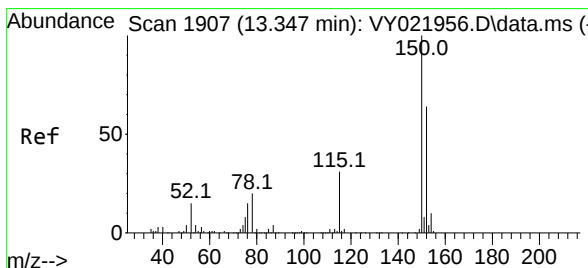
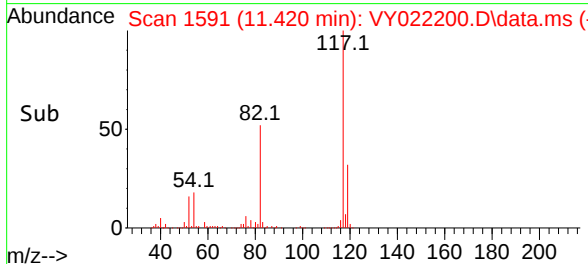
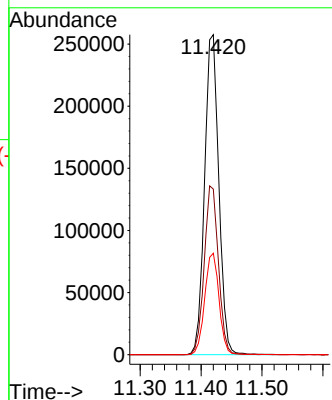
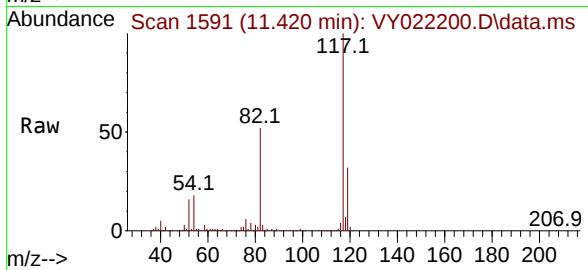
Tgt Ion:117 Resp: 417752

Ion Ratio Lower Upper

117 100

82 51.8 42.1 63.1

119 31.7 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY022200.D

Acq: 08 May 2025 09:51

Tgt Ion:152 Resp: 149349

Ion Ratio Lower Upper

152 100

115 56.3 28.0 84.0

150 157.0 0.0 345.6

