

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY043025\
 Data File : VY022080.D
 Acq On : 30 Apr 2025 13:58
 Operator : SY/MD
 Sample : Q1883-07
 Misc : 13.73g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-PCS-TC-30-042325

Quant Time: May 01 01:35:54 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	297053	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	550509	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	495604	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	200894	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	141671	51.633	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	103.260%
35) Dibromofluoromethane	7.634	113	187249	51.485	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	102.980%
50) Toluene-d8	10.103	98	663622	48.400	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.800%
62) 4-Bromofluorobenzene	12.401	95	268406	58.150	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	116.300%

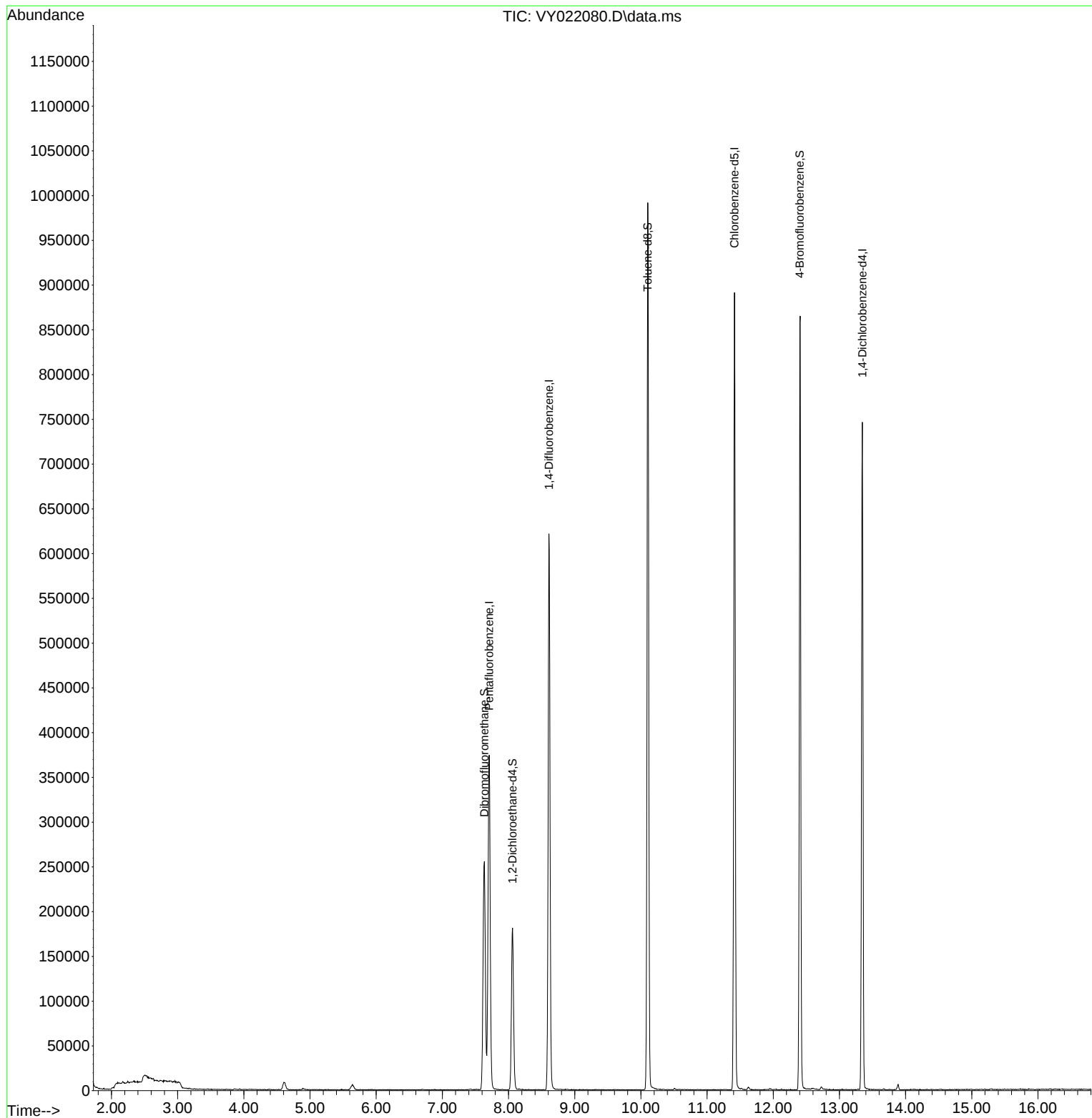
Target Compounds	Qvalue

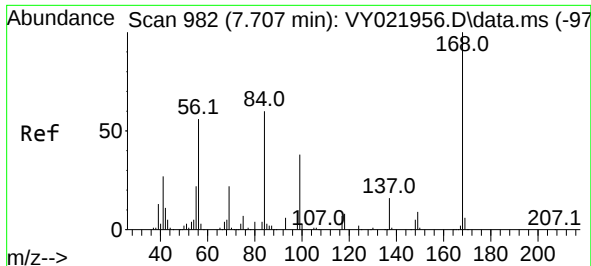
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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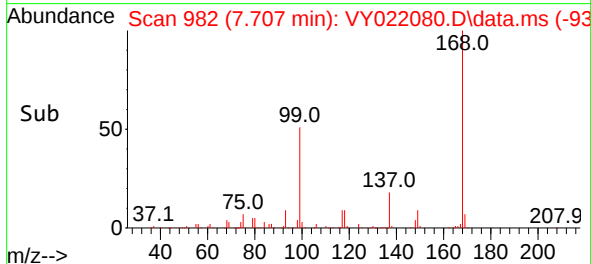
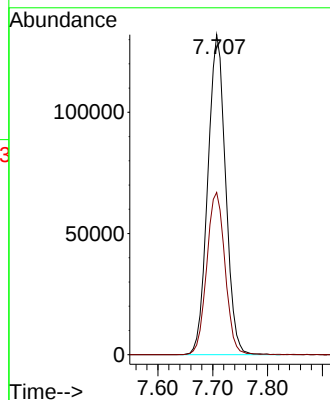
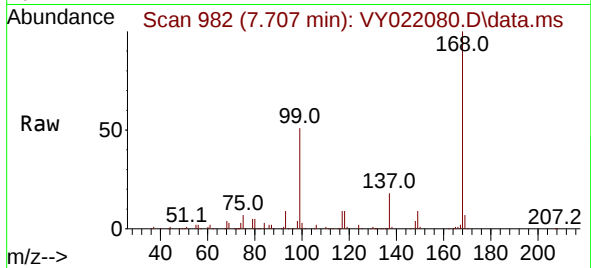




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022080.D
Acq: 30 Apr 2025 13:58

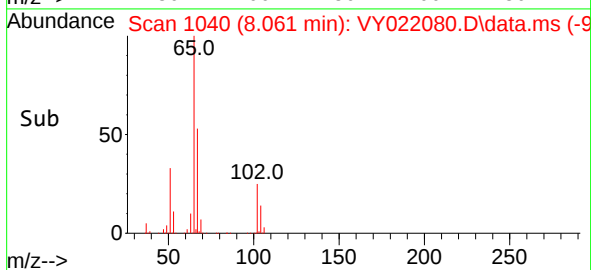
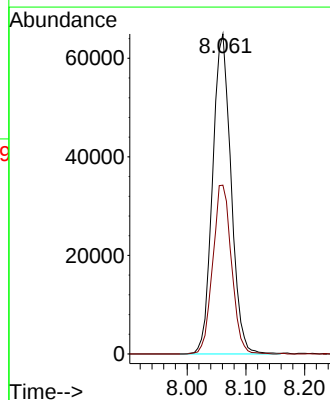
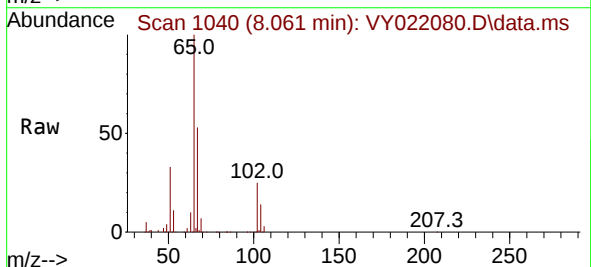
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-30-042325

Tgt Ion:168 Resp: 297053
Ion Ratio Lower Upper
168 100
99 50.6 43.1 64.7



#33
1,2-Dichloroethane-d4
Concen: 51.633 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022080.D
Acq: 30 Apr 2025 13:58

Tgt Ion: 65 Resp: 141671
Ion Ratio Lower Upper
65 100
67 53.5 0.0 105.8

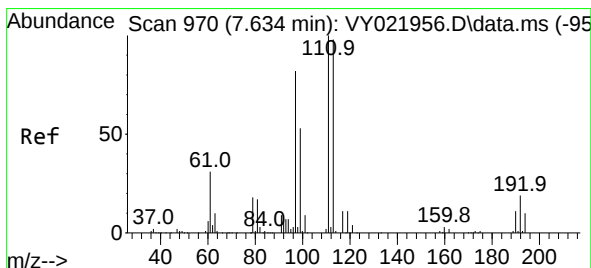
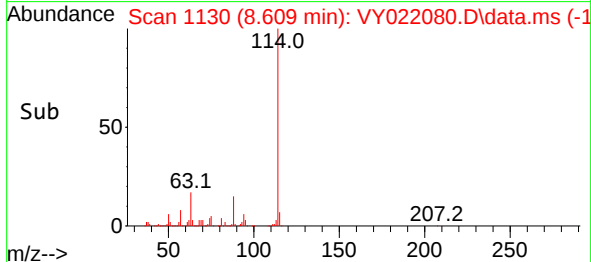
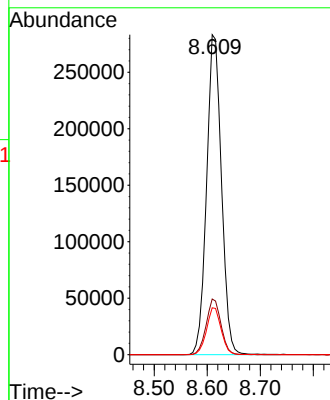
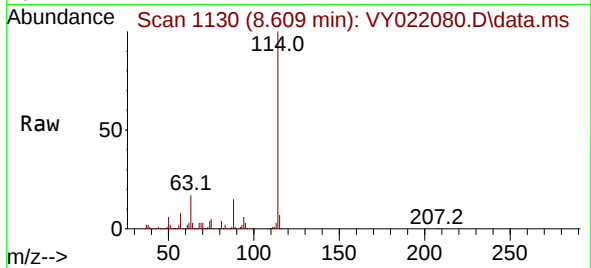




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VY022080.D
Acq: 30 Apr 2025 13:58

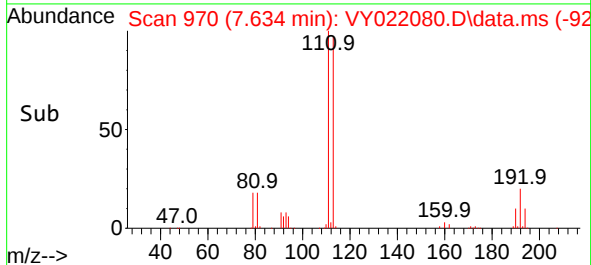
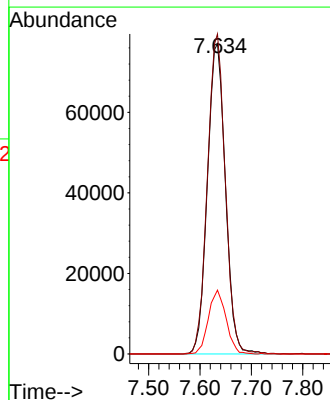
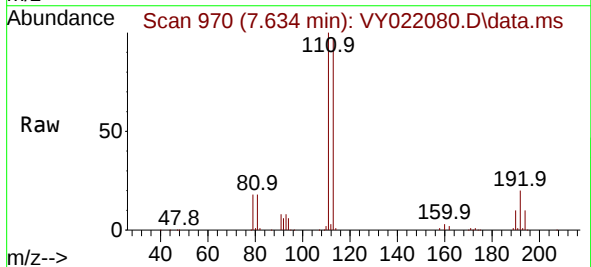
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-30-042325

Tgt Ion:114 Resp: 550509
Ion Ratio Lower Upper
114 100
63 17.4 0.0 35.4
88 14.7 0.0 28.2



#35
Dibromofluoromethane
Concen: 51.485 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.000 min
Lab File: VY022080.D
Acq: 30 Apr 2025 13:58

Tgt Ion:113 Resp: 187249
Ion Ratio Lower Upper
113 100
111 102.3 81.8 122.8
192 20.2 15.6 23.4

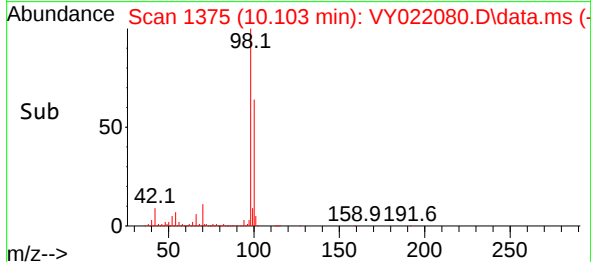
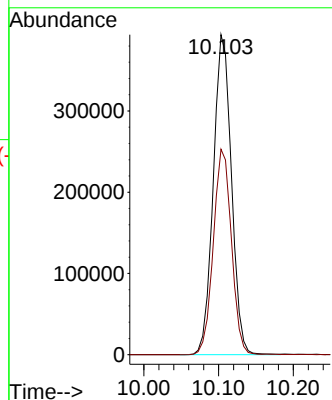
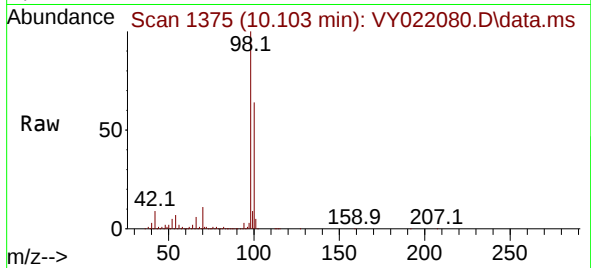




#50
Toluene-d8
Concen: 48.400 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022080.D
Acq: 30 Apr 2025 13:58

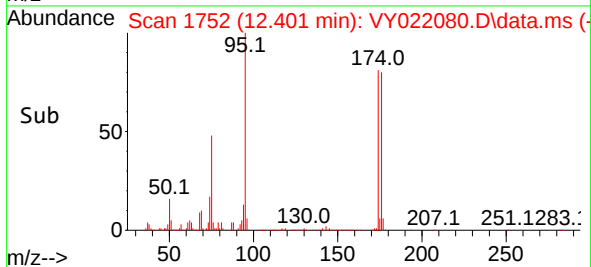
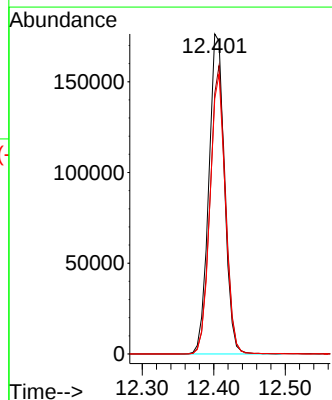
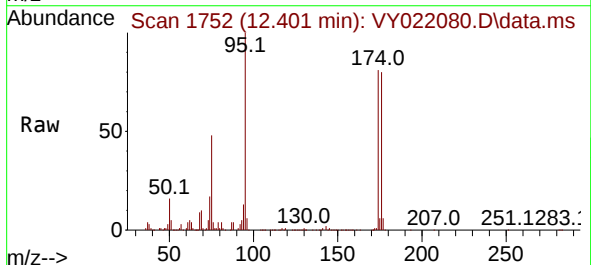
Instrument :
MSVOA_Y
ClientSampleId :
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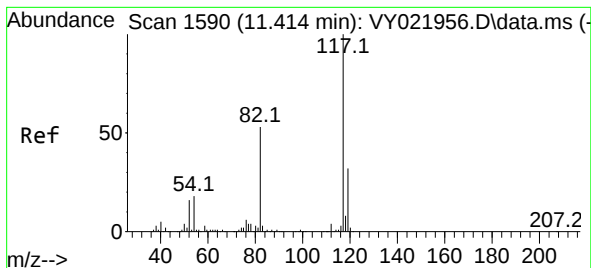
Tgt Ion: 98 Resp: 663622
Ion Ratio Lower Upper
98 100
100 64.1 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 58.150 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY022080.D
Acq: 30 Apr 2025 13:58

Tgt Ion: 95 Resp: 268406
Ion Ratio Lower Upper
95 100
174 89.0 0.0 179.0
176 86.1 0.0 171.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY022080.D

Acq: 30 Apr 2025 13:58

Instrument :

MSVOA_Y

ClientSampleId :

OU4-PCS-TC-30-042325

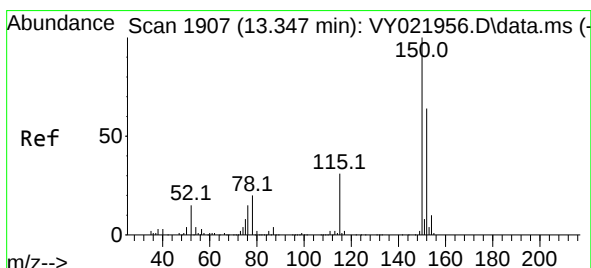
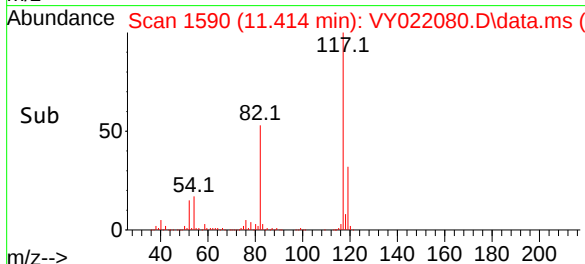
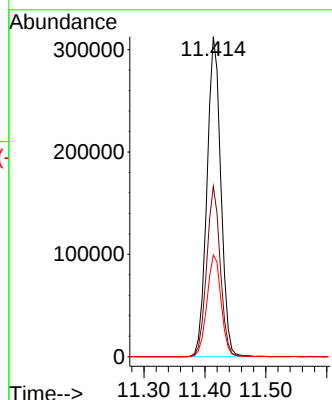
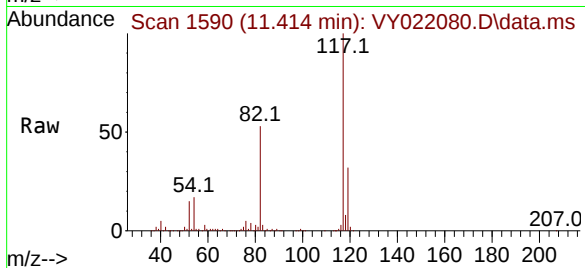
Tgt Ion:117 Resp: 495604

Ion Ratio Lower Upper

117 100

82 53.2 42.1 63.1

119 31.8 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022080.D

Acq: 30 Apr 2025 13:58

Tgt Ion:152 Resp: 200894

Ion Ratio Lower Upper

152 100

115 55.9 28.0 84.0

150 158.2 0.0 345.6

