

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY042525\
 Data File : VY022011.D
 Acq On : 25 Apr 2025 16:15
 Operator : SY/MD
 Sample : Q1883-01
 Misc : 9.82g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-PCS-TC-27-042325

Quant Time: Apr 25 22:56:42 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	302395	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	575522	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	492784	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	180667	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	136336	48.811	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.620%
35) Dibromofluoromethane	7.628	113	185226	48.715	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.440%
50) Toluene-d8	10.103	98	693705	48.395	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.780%
62) 4-Bromofluorobenzene	12.401	95	181125	37.535	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	75.060%

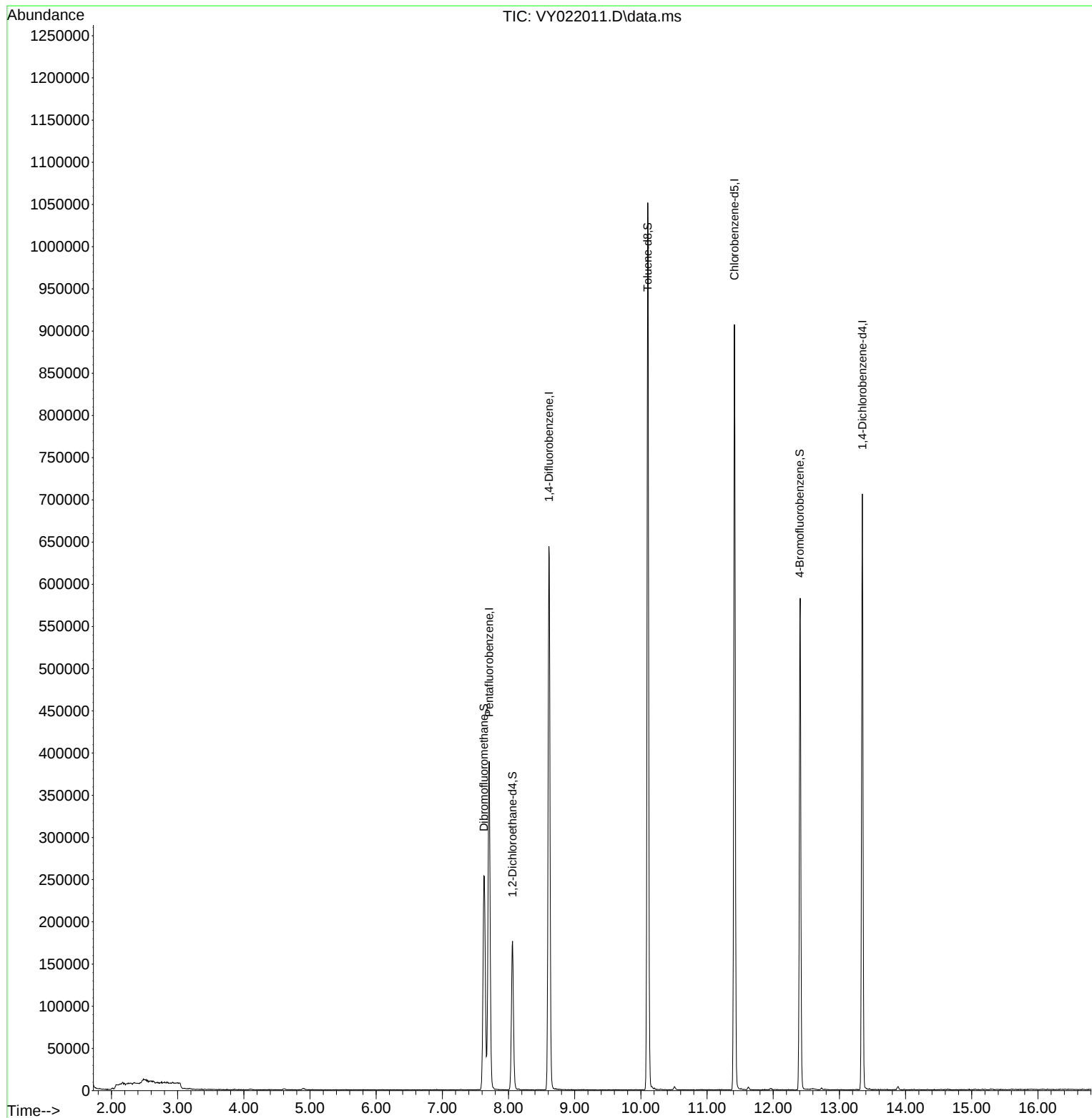
Target Compounds	Qvalue

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

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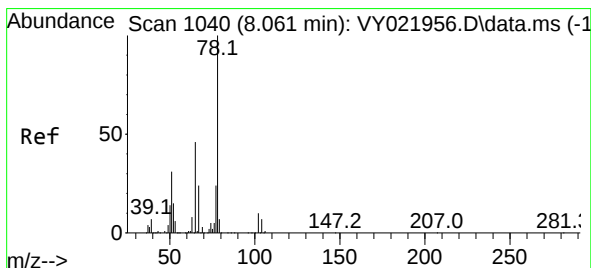
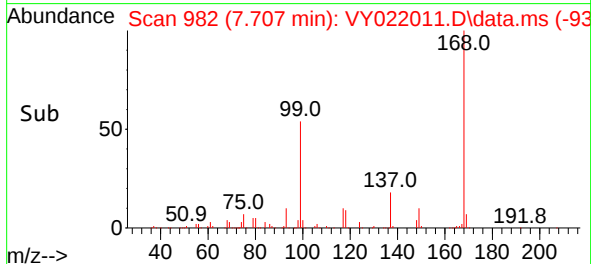
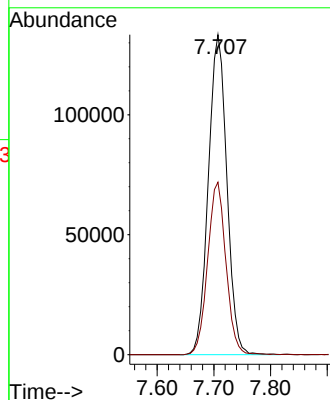
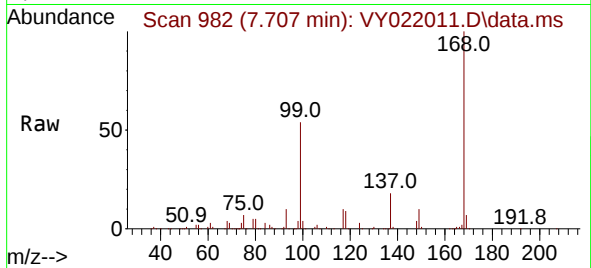




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022011.D
Acq: 25 Apr 2025 16:15

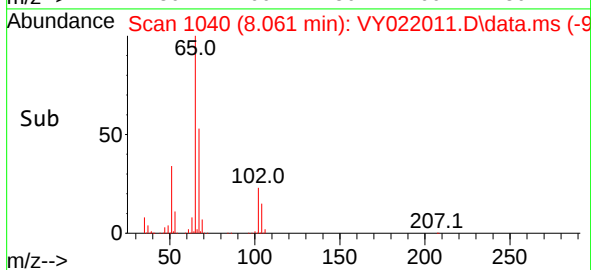
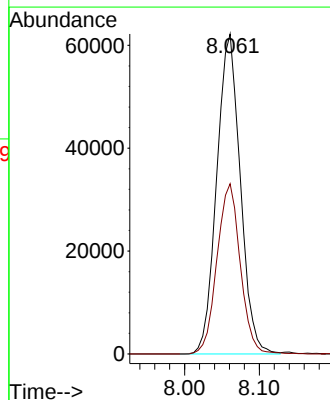
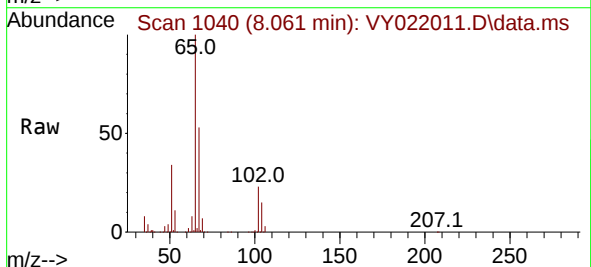
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-27-042325

Tgt Ion:168 Resp: 302395
Ion Ratio Lower Upper
168 100
99 53.9 43.1 64.7



#33
1,2-Dichloroethane-d4
Concen: 48.811 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.000 min
Lab File: VY022011.D
Acq: 25 Apr 2025 16:15

Tgt Ion: 65 Resp: 136336
Ion Ratio Lower Upper
65 100
67 52.6 0.0 105.8

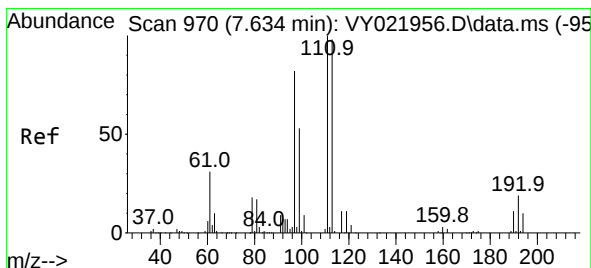
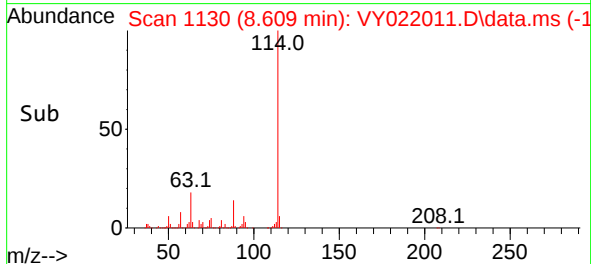
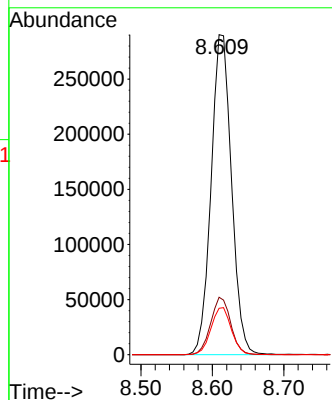
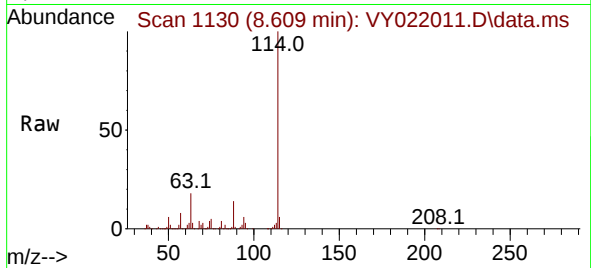




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VY022011.D
Acq: 25 Apr 2025 16:15

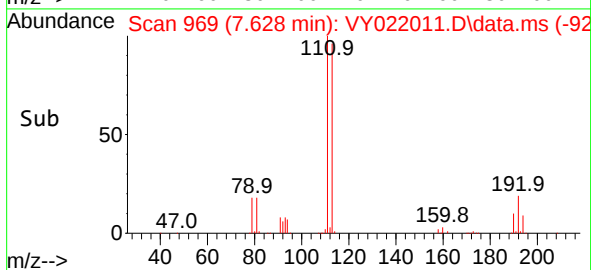
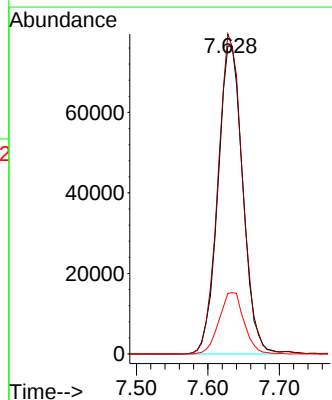
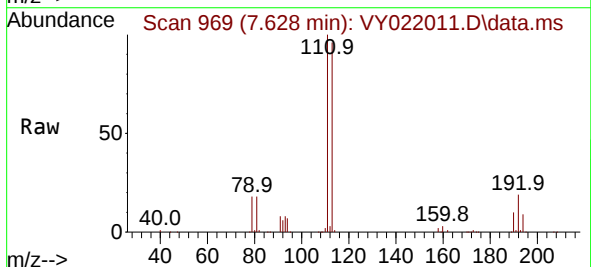
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-27-042325

Tgt Ion:114 Resp: 575522
Ion Ratio Lower Upper
114 100
63 18.0 0.0 35.4
88 14.5 0.0 28.2



#35
Dibromofluoromethane
Concen: 48.715 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.006 min
Lab File: VY022011.D
Acq: 25 Apr 2025 16:15

Tgt Ion:113 Resp: 185226
Ion Ratio Lower Upper
113 100
111 102.5 81.8 122.8
192 20.0 15.6 23.4

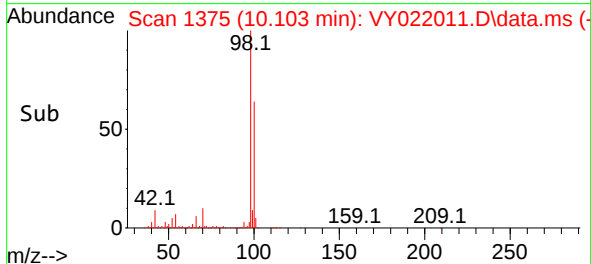
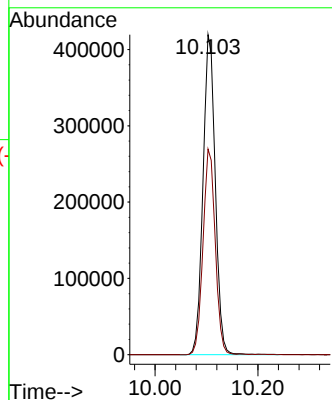
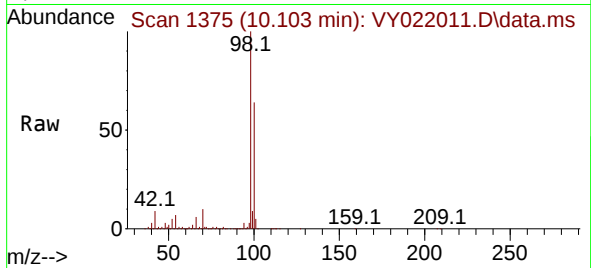




#50
Toluene-d8
Concen: 48.395 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.000 min
Lab File: VY022011.D
Acq: 25 Apr 2025 16:15

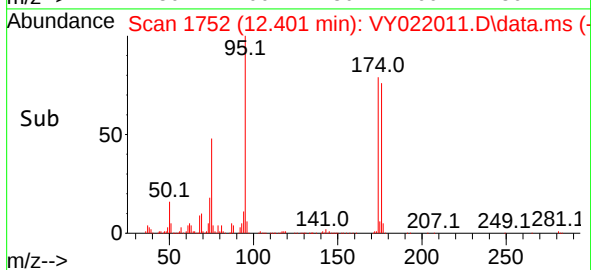
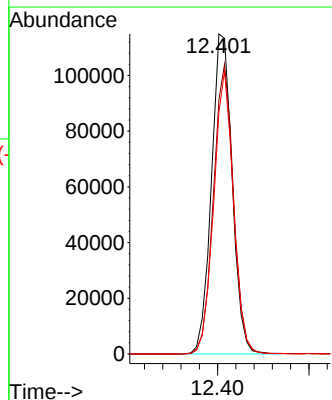
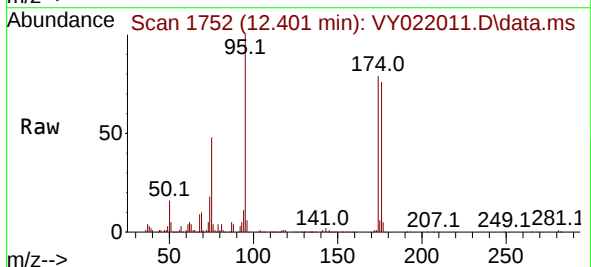
Instrument :
MSVOA_Y
ClientSampleId :
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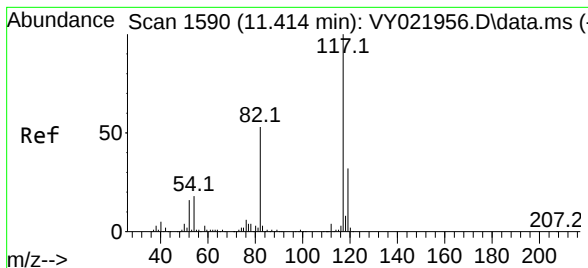
Tgt Ion: 98 Resp: 693705
Ion Ratio Lower Upper
98 100
100 64.1 51.6 77.4



#62
4-Bromofluorobenzene
Concen: 37.535 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.000 min
Lab File: VY022011.D
Acq: 25 Apr 2025 16:15

Tgt Ion: 95 Resp: 181125
Ion Ratio Lower Upper
95 100
174 87.7 0.0 179.0
176 84.1 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: VY022011.D

Acq: 25 Apr 2025 16:15

Instrument :

MSVOA_Y

ClientSampleId :

OU4-PCS-TC-27-042325

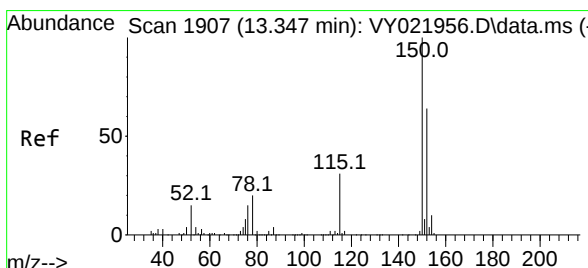
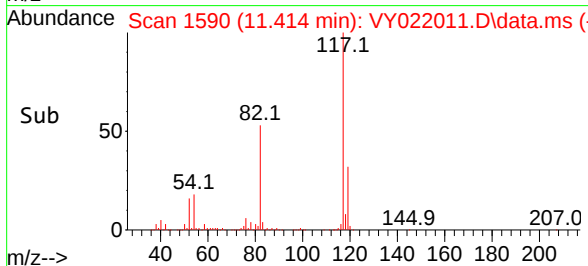
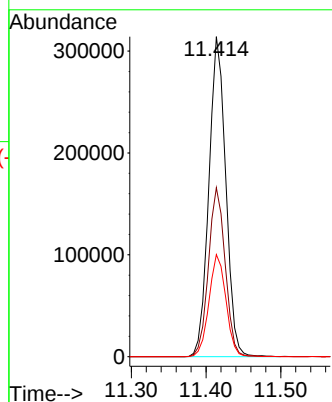
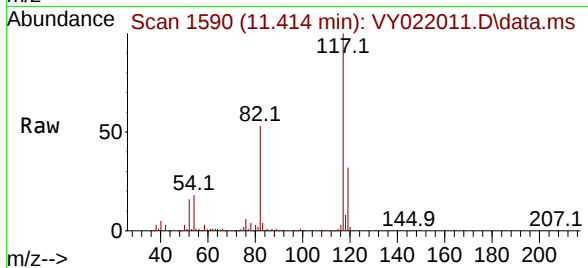
Tgt Ion:117 Resp: 492784

Ion Ratio Lower Upper

117 100

82 52.8 42.1 63.1

119 31.9 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: VY022011.D

Acq: 25 Apr 2025 16:15

Tgt Ion:152 Resp: 180667

Ion Ratio Lower Upper

152 100

115 57.4 28.0 84.0

150 156.5 0.0 345.6

