

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051925\
 Data File : VY022309.D
 Acq On : 19 May 2025 11:28
 Operator : SY/MD
 Sample : Q2057-03
 Misc : 4.36g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MH-L-VOC

Quant Time: May 20 01:11:26 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y051525S.M
 Quant Title : SW846 8260
 QLast Update : Fri May 16 01:42:09 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	294100	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	516997	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	411990	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	150600	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	147142	45.778	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.560%
35) Dibromofluoromethane	7.634	113	151265	49.021	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.040%
50) Toluene-d8	10.109	98	618443	48.936	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.880%
62) 4-Bromofluorobenzene	12.408	95	155193	38.742	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	77.480%

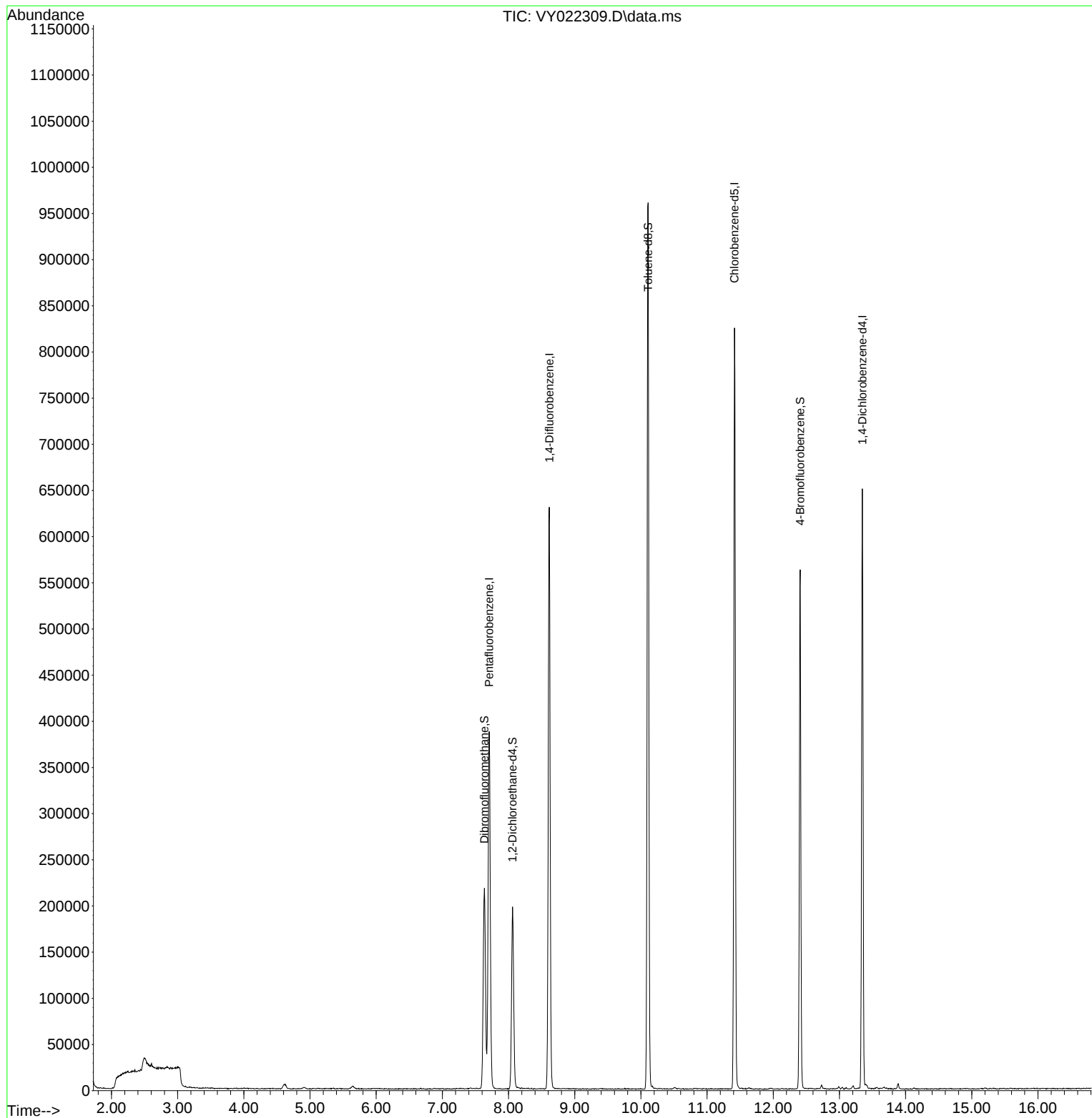
Target Compounds	Qvalue

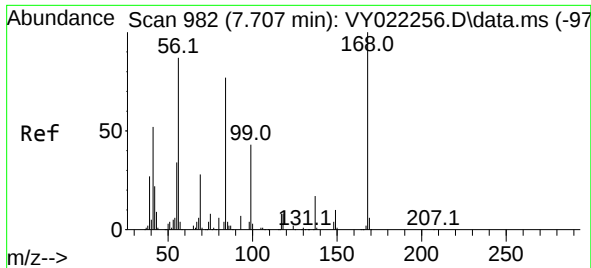
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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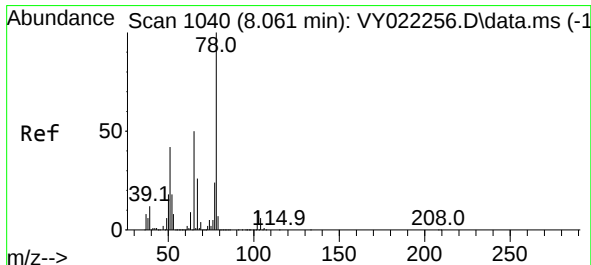
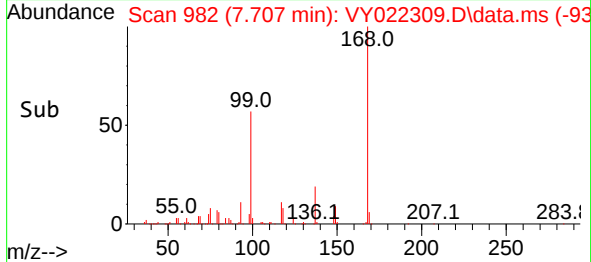
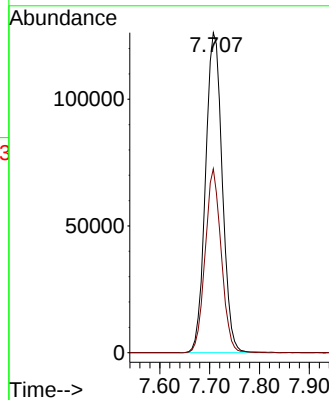
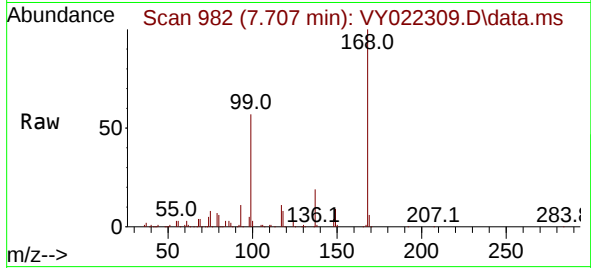




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022309.D
Acq: 19 May 2025 11:28

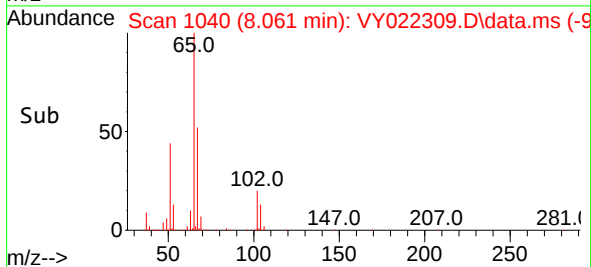
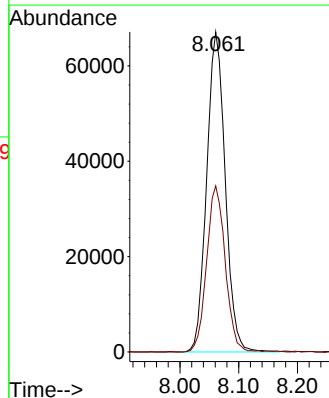
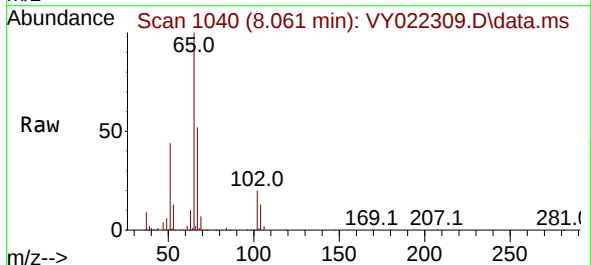
Instrument :
MSVOA_Y
ClientSampleId :
MH-L-VOC

Tgt Ion:168 Resp: 294100
Ion Ratio Lower Upper
168 100
99 57.5 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 45.778 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY022309.D
Acq: 19 May 2025 11:28

Tgt Ion: 65 Resp: 147142
Ion Ratio Lower Upper
65 100
67 52.0 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY022309.D

Acq: 19 May 2025 11:28

Instrument :

MSVOA_Y

ClientSampleId :

MH-L-VOC

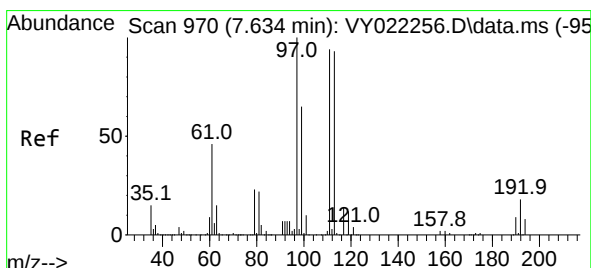
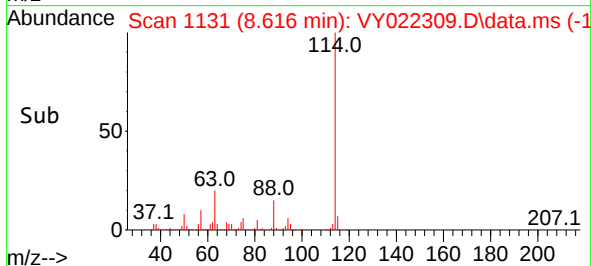
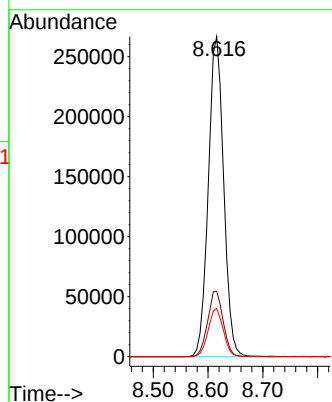
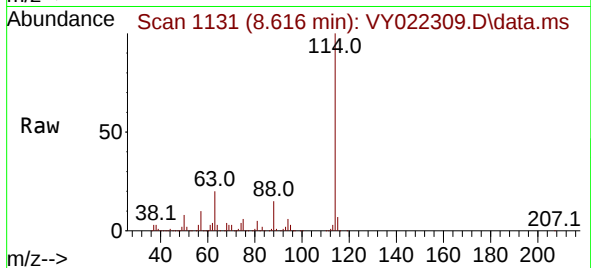
Tgt Ion:114 Resp: 516997

Ion Ratio Lower Upper

114 100

63 20.4 0.0 41.0

88 15.1 0.0 29.4



#35

Dibromofluoromethane

Concen: 49.021 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY022309.D

Acq: 19 May 2025 11:28

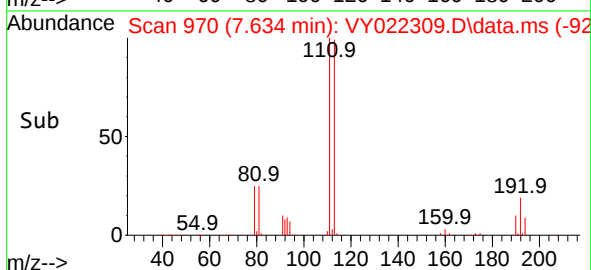
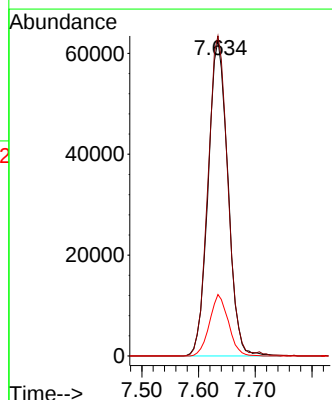
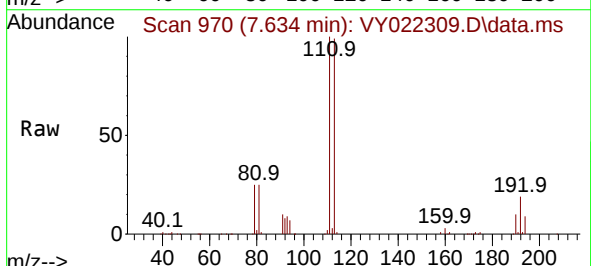
Tgt Ion:113 Resp: 151265

Ion Ratio Lower Upper

113 100

111 102.0 82.6 123.8

192 18.6 15.2 22.8

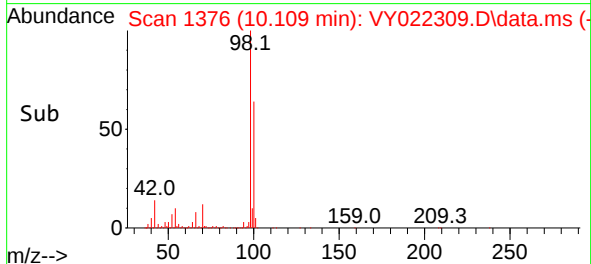
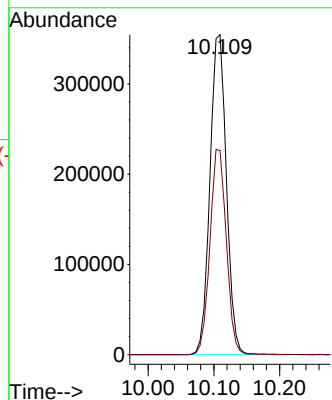
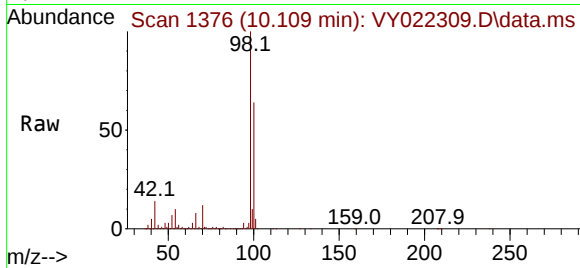




#50
Toluene-d8
Concen: 48.936 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY022309.D
Acq: 19 May 2025 11:28

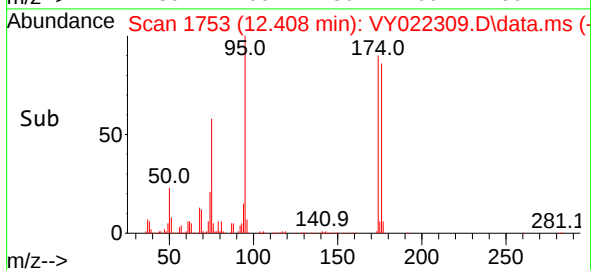
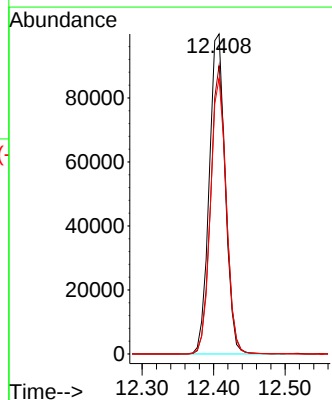
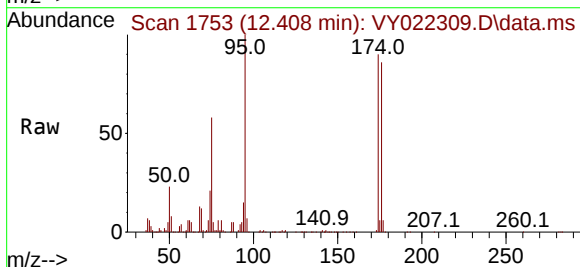
Instrument :
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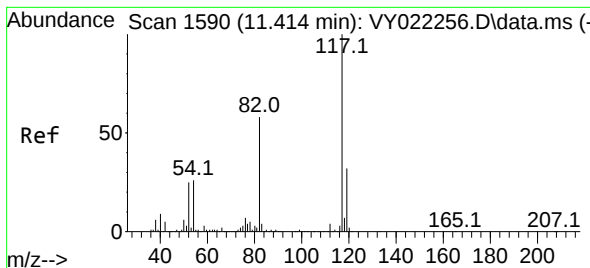
Tgt Ion: 98 Resp: 618443
Ion Ratio Lower Upper
98 100
100 63.9 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 38.742 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY022309.D
Acq: 19 May 2025 11:28

Tgt Ion: 95 Resp: 155193
Ion Ratio Lower Upper
95 100
174 87.6 0.0 166.8
176 85.0 0.0 160.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY022309.D

Acq: 19 May 2025 11:28

Instrument :

MSVOA_Y

ClientSampleId :

MH-L-VOC

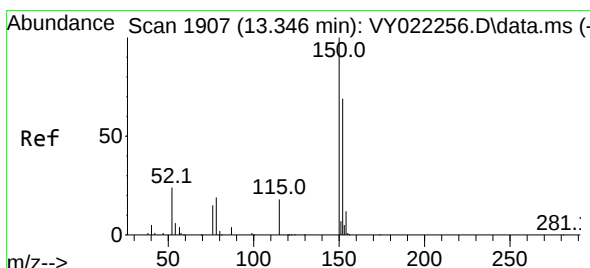
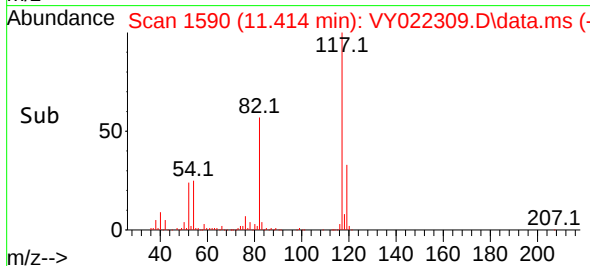
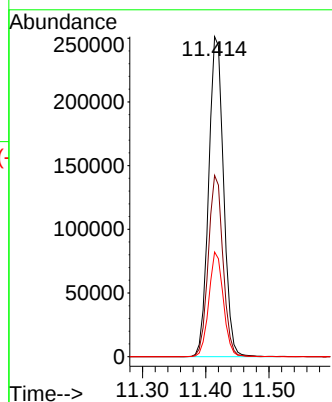
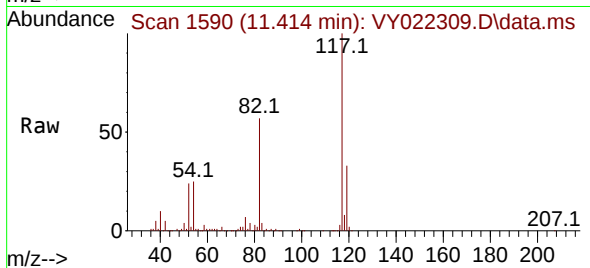
Tgt Ion:117 Resp: 411990

Ion Ratio Lower Upper

117 100

82 56.7 46.6 70.0

119 32.7 25.8 38.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY022309.D

Acq: 19 May 2025 11:28

Tgt Ion:152 Resp: 150600

Ion Ratio Lower Upper

152 100

115 56.7 29.4 88.2

150 157.4 0.0 353.8

