

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051625\
 Data File : VY022298.D
 Acq On : 16 May 2025 17:59
 Operator : SY/MD
 Sample : Q1984-19
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TB01-050725

Quant Time: May 17 01:37:26 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	261424	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	469953	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	375976	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	137120	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	139002	48.651	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	97.300%
35) Dibromofluoromethane	7.634	113	139515	49.739	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.480%
50) Toluene-d8	10.103	98	561856	48.909	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.820%
62) 4-Bromofluorobenzene	12.402	95	145431	39.940	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	79.880%

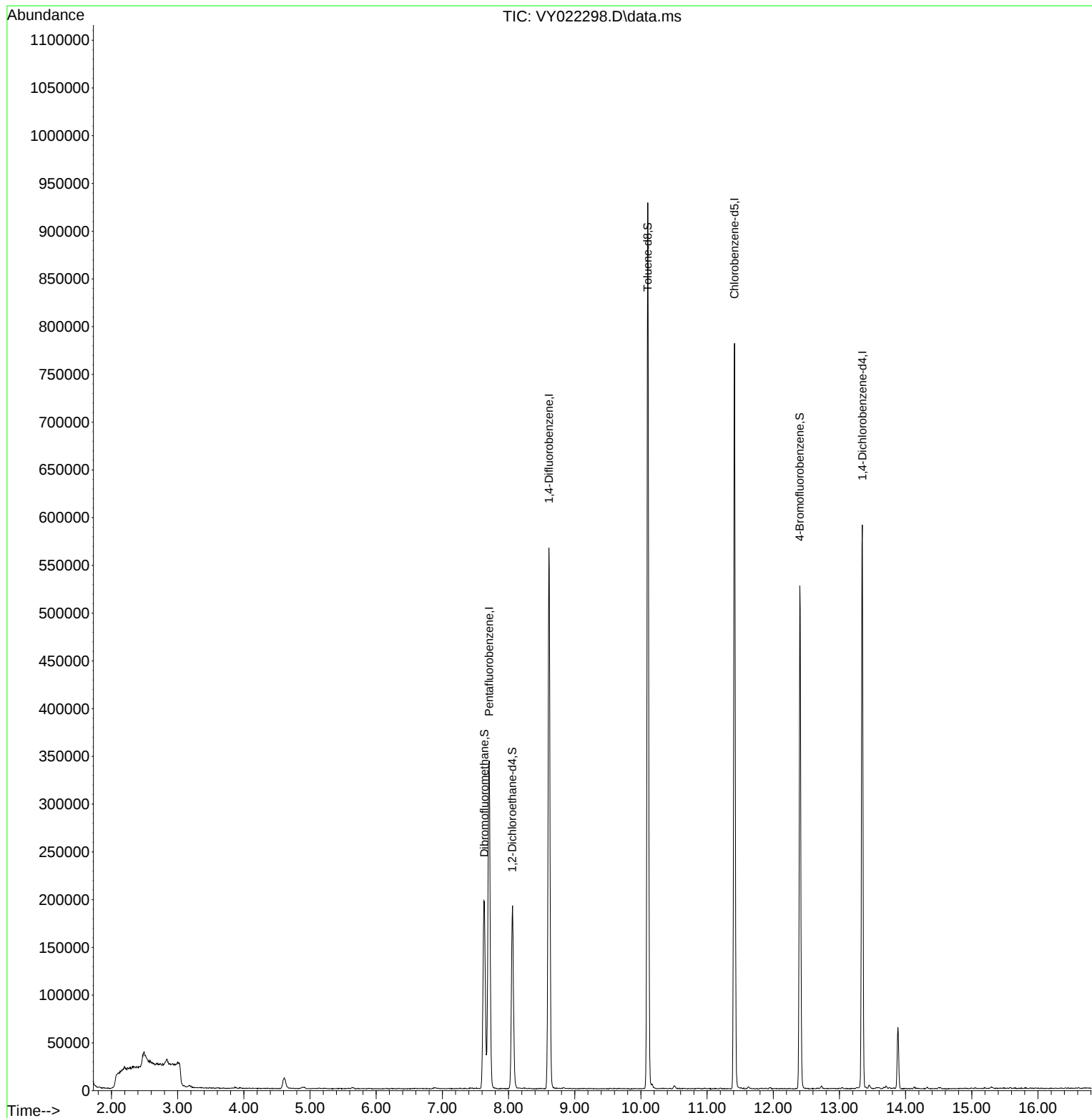
Target Compounds	Qvalue

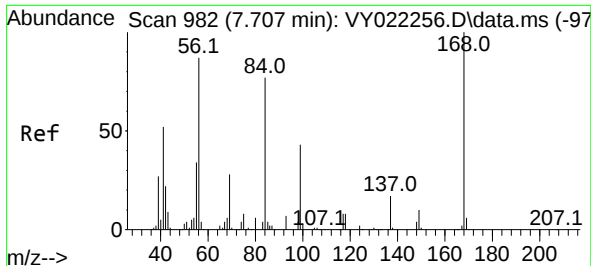
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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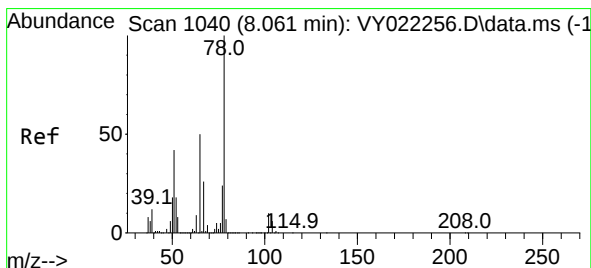
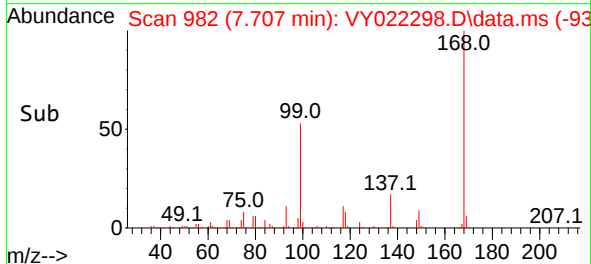
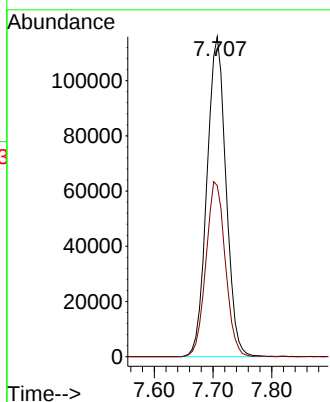
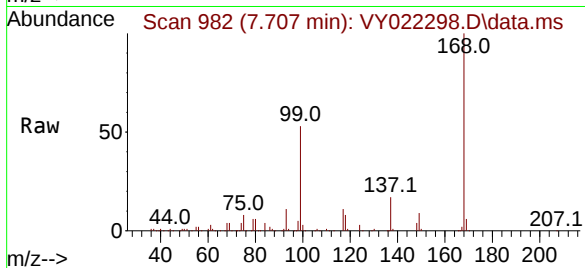




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022298.D
Acq: 16 May 2025 17:59

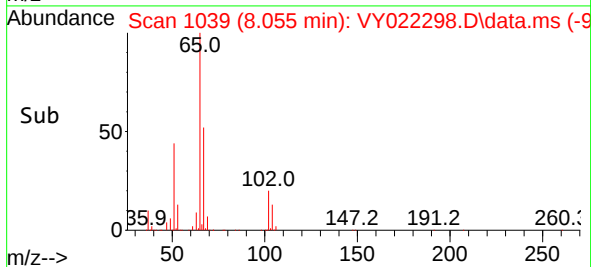
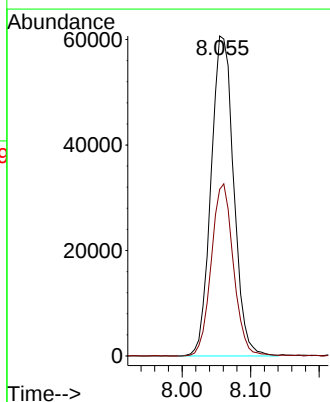
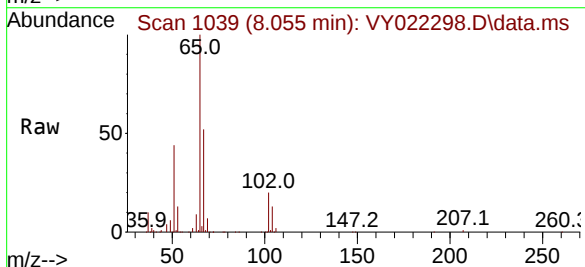
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TB01-050725

Tgt Ion:168 Resp: 261424
Ion Ratio Lower Upper
168 100
99 53.4 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 48.651 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.006 min
Lab File: VY022298.D
Acq: 16 May 2025 17:59

Tgt Ion: 65 Resp: 139002
Ion Ratio Lower Upper
65 100
67 52.8 0.0 104.6

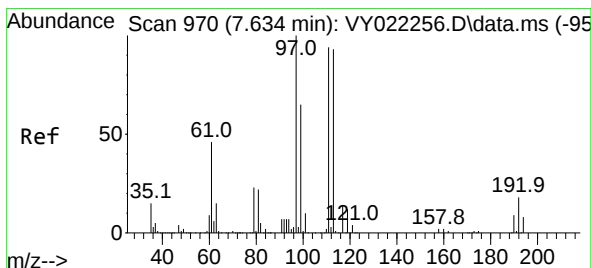
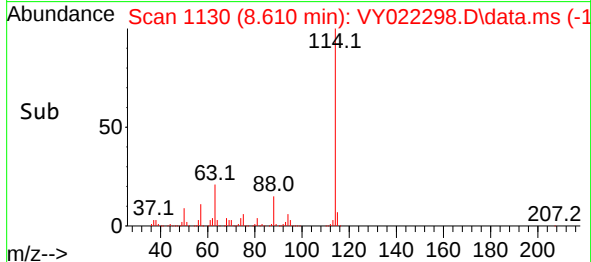
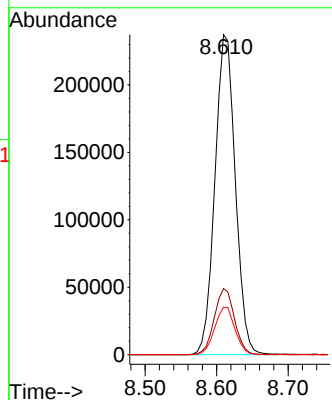
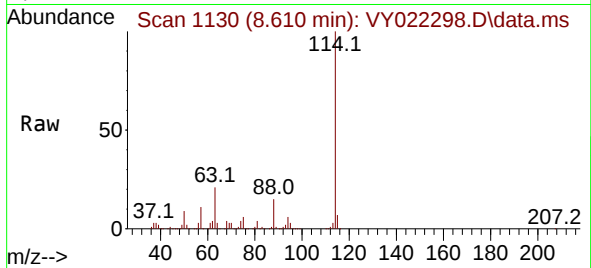




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VY022298.D
Acq: 16 May 2025 17:59

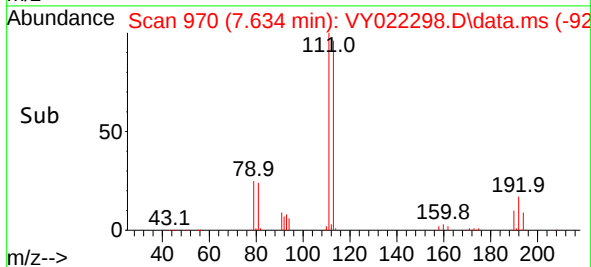
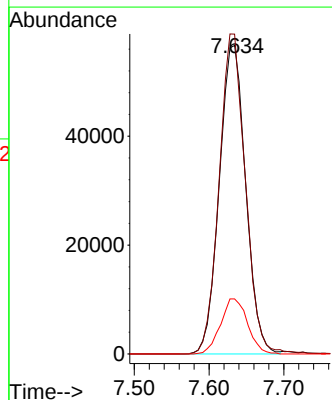
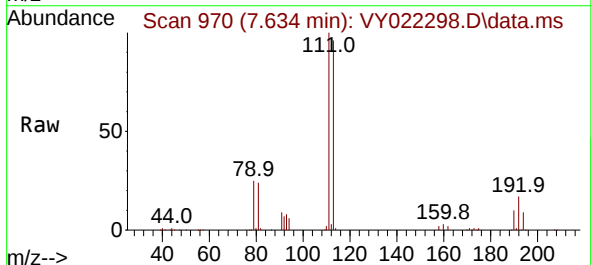
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TB01-050725

Tgt Ion:114 Resp: 469953
Ion Ratio Lower Upper
114 100
63 20.7 0.0 41.0
88 14.9 0.0 29.4



#35
Dibromofluoromethane
Concen: 49.739 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.000 min
Lab File: VY022298.D
Acq: 16 May 2025 17:59

Tgt Ion:113 Resp: 139515
Ion Ratio Lower Upper
113 100
111 102.5 82.6 123.8
192 18.2 15.2 22.8

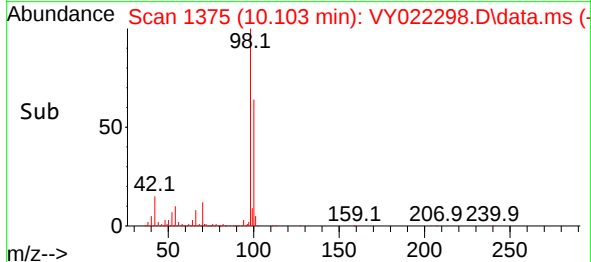
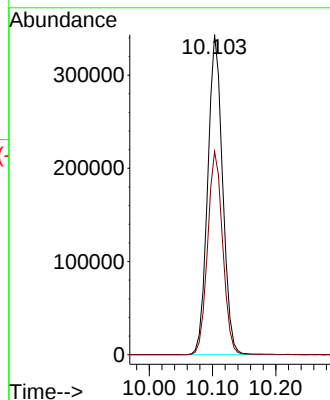
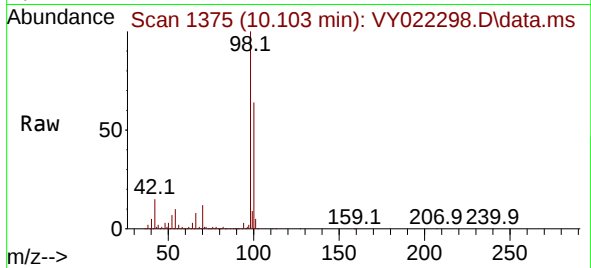




#50
Toluene-d8
Concen: 48.909 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY022298.D
Acq: 16 May 2025 17:59

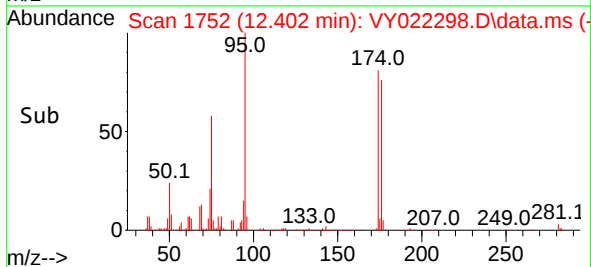
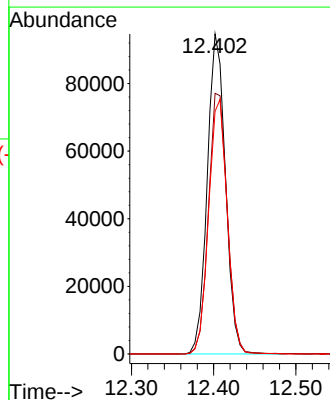
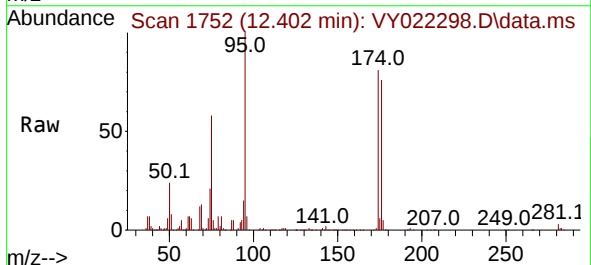
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TB01-050725

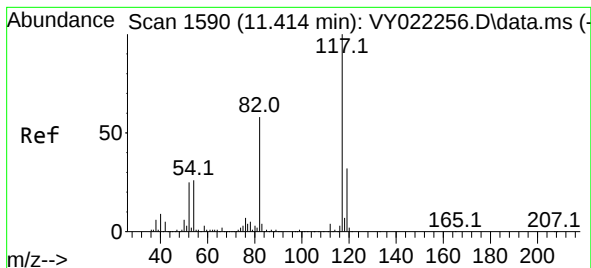
Tgt Ion: 98 Resp: 561856
Ion Ratio Lower Upper
98 100
100 64.3 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 39.940 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022298.D
Acq: 16 May 2025 17:59

Tgt Ion: 95 Resp: 145431
Ion Ratio Lower Upper
95 100
174 84.2 0.0 166.8
176 81.5 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: VY022298.D

Acq: 16 May 2025 17:59

Instrument :

MSVOA_Y

ClientSampleId :

OU4-TB01-050725

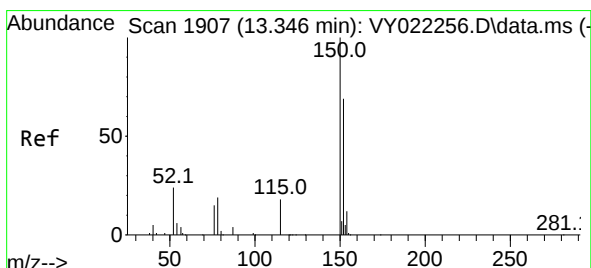
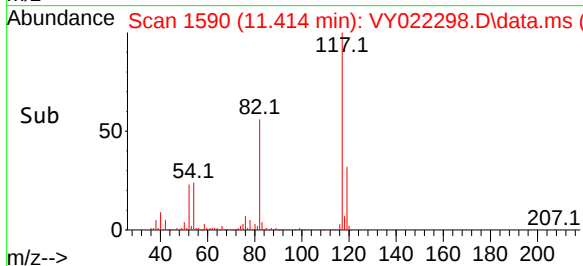
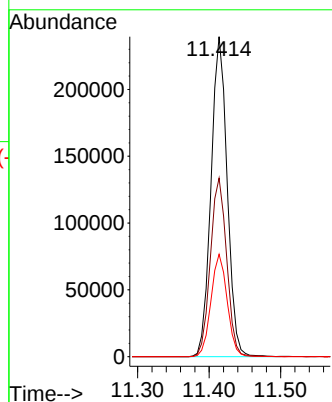
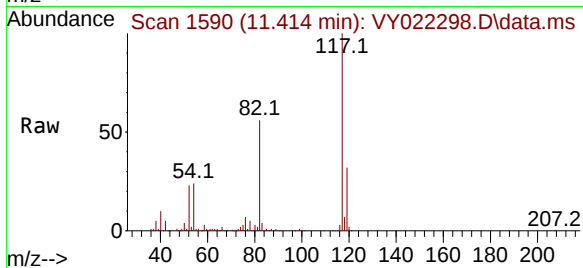
Tgt Ion:117 Resp: 375976

Ion Ratio Lower Upper

117 100

82 55.8 46.6 70.0

119 32.0 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: VY022298.D

Acq: 16 May 2025 17:59

Tgt Ion:152 Resp: 137120

Ion Ratio Lower Upper

152 100

115 57.9 29.4 88.2

150 158.8 0.0 353.8

