

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061125\
 Data File : VY022661.D
 Acq On : 11 Jun 2025 13:58
 Operator : SY/MD
 Sample : Q2283-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MOO-25-0166-MOO-25-0167

Quant Time: Jun 12 05:07:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 10 15:26:14 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.701	168	199457	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.610	114	364125	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	287276	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	99767	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	106983	47.957	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	95.920%
35) Dibromofluoromethane	7.628	113	106427	48.968	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	97.940%
50) Toluene-d8	10.103	98	440049	50.109	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	100.220%
62) 4-Bromofluorobenzene	12.402	95	105436	40.296	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	80.600%

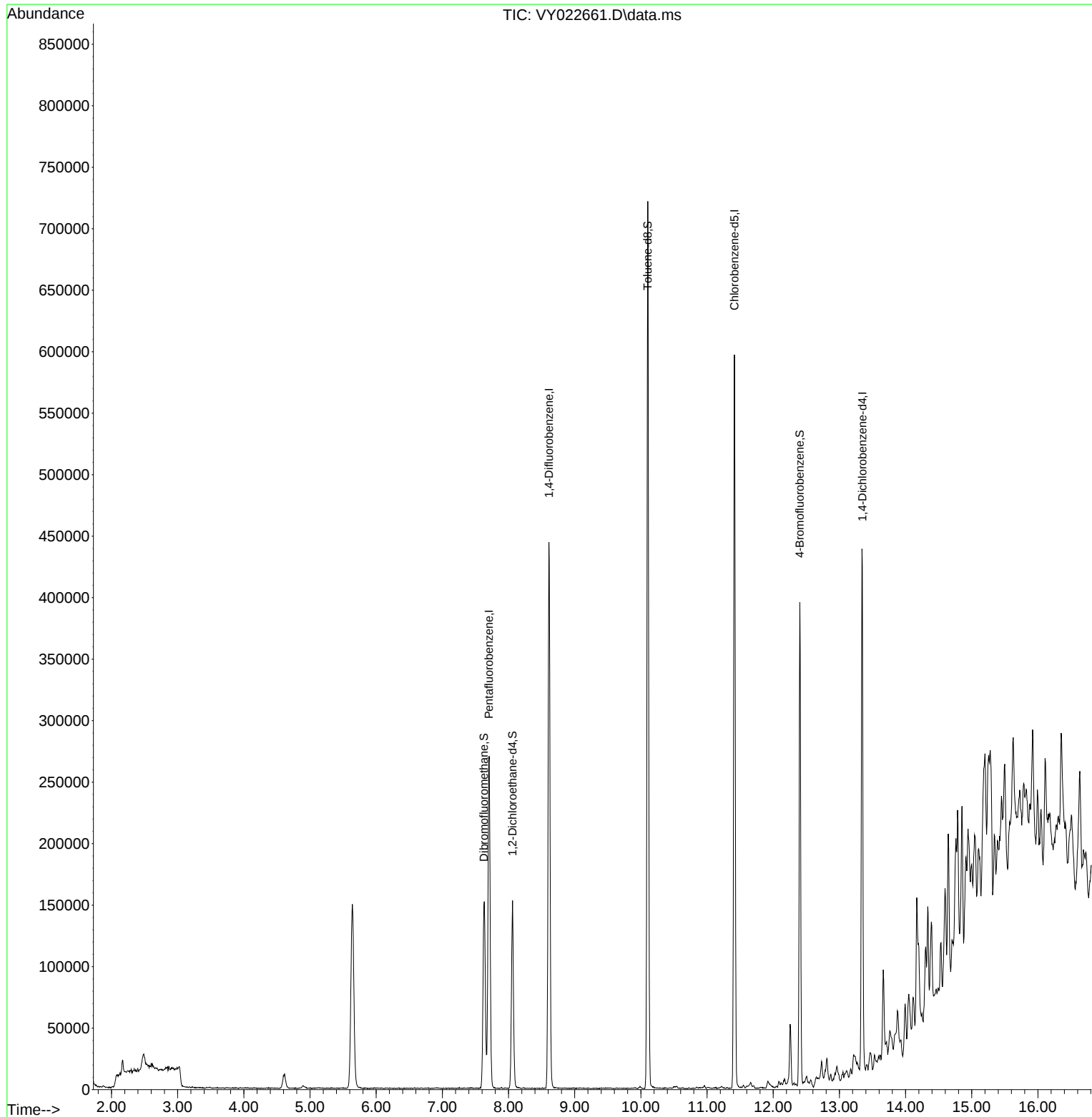
Target Compounds	Qvalue

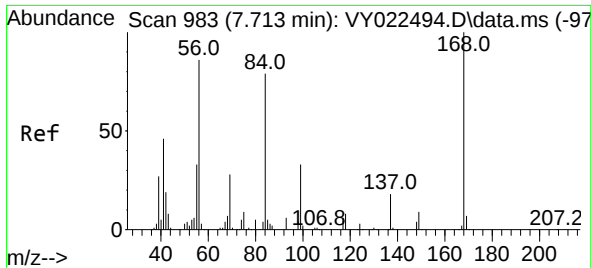
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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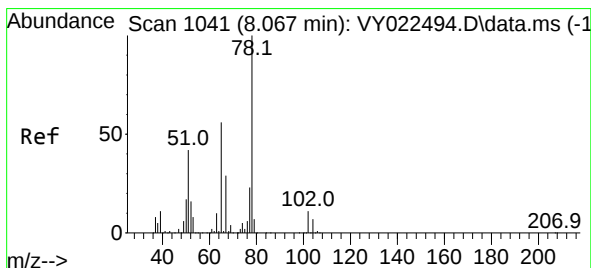
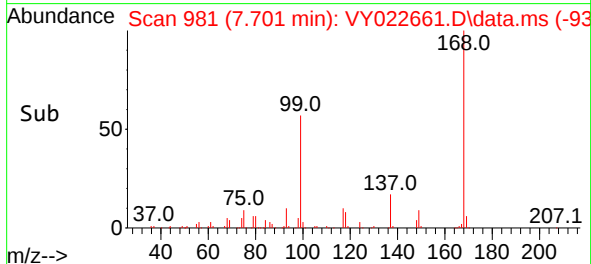
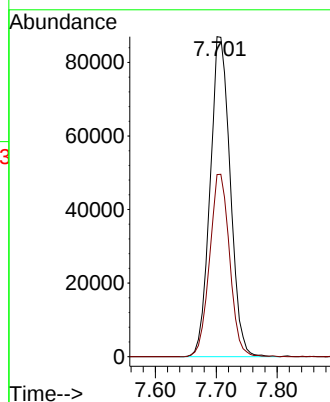
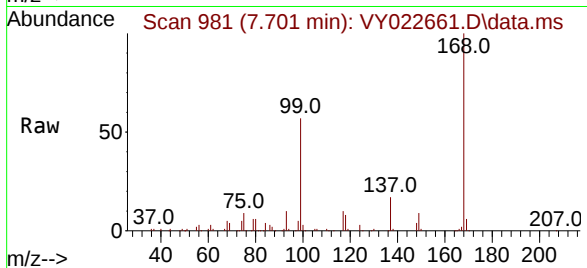




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 91
Delta R.T. -0.012 min
Lab File: VY022661.D
Acq: 11 Jun 2025 13:58

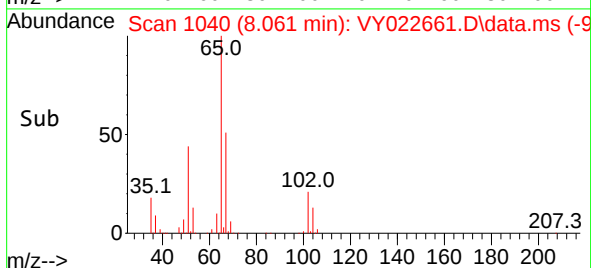
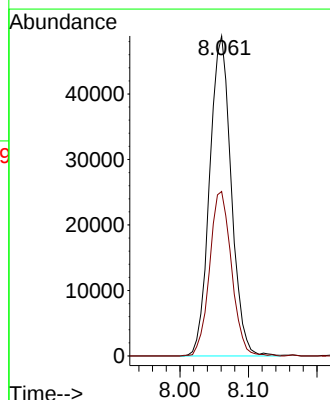
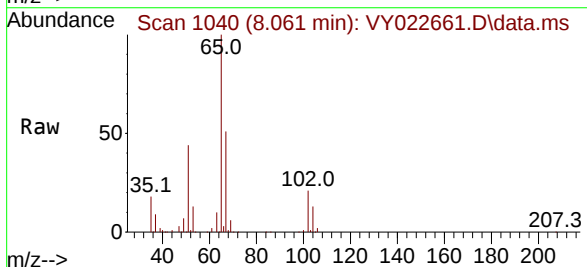
Instrument :
MSVOA_Y
ClientSampleId :
MOO-25-0166-MOO-25-0167

Tgt Ion:168 Resp: 199457
Ion Ratio Lower Upper
168 100
99 56.9 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 47.957 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022661.D
Acq: 11 Jun 2025 13:58

Tgt Ion: 65 Resp: 106983
Ion Ratio Lower Upper
65 100
67 52.1 0.0 103.4

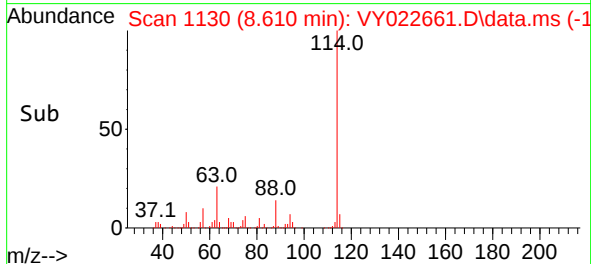
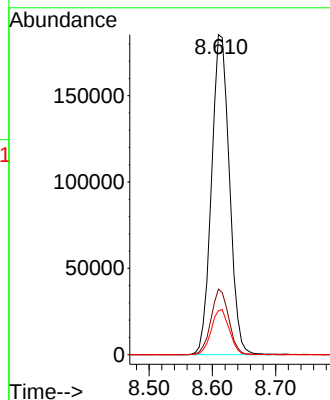
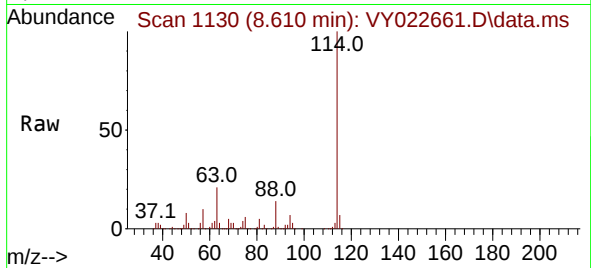




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 1131
Delta R.T. -0.006 min
Lab File: VY022661.D
Acq: 11 Jun 2025 13:58

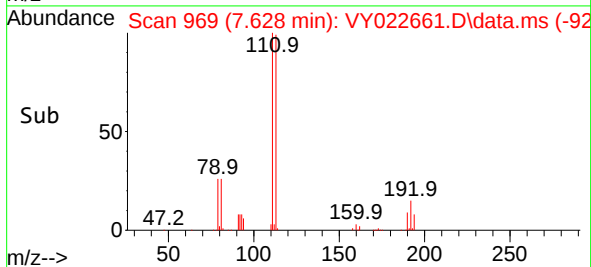
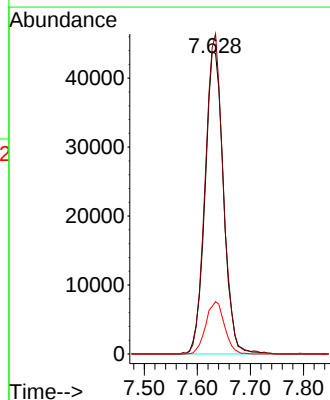
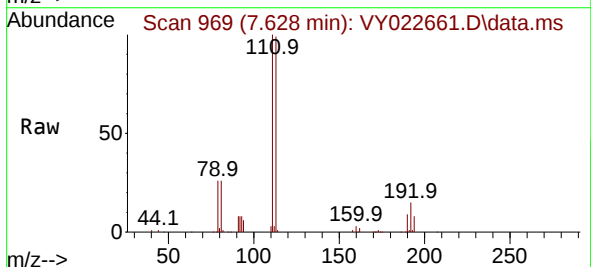
Instrument : MSVOA_Y
ClientSampleId : MOO-25-0166-MOO-25-0167

Tgt Ion:114 Resp: 364125
Ion Ratio Lower Upper
114 100
63 20.5 0.0 40.8
88 13.7 0.0 27.8



#35
Dibromofluoromethane
Concen: 48.968 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.012 min
Lab File: VY022661.D
Acq: 11 Jun 2025 13:58

Tgt Ion:113 Resp: 106427
Ion Ratio Lower Upper
113 100
111 102.9 81.1 121.7
192 17.5 14.2 21.2

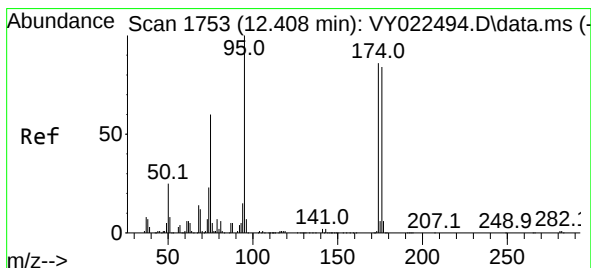
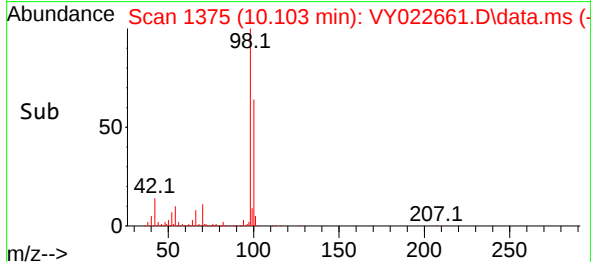
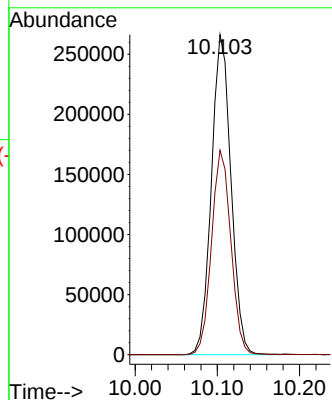
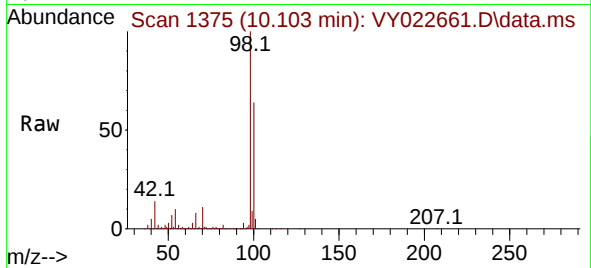




#50
Toluene-d8
Concen: 50.109 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022661.D
Acq: 11 Jun 2025 13:58

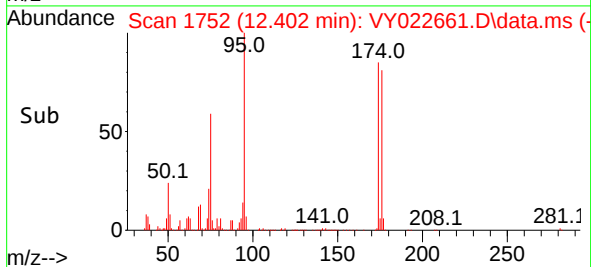
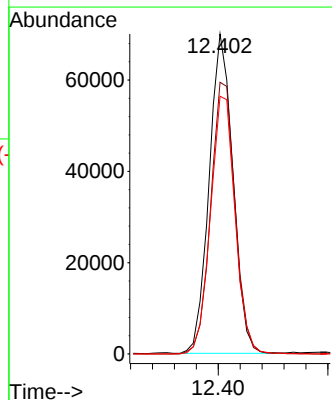
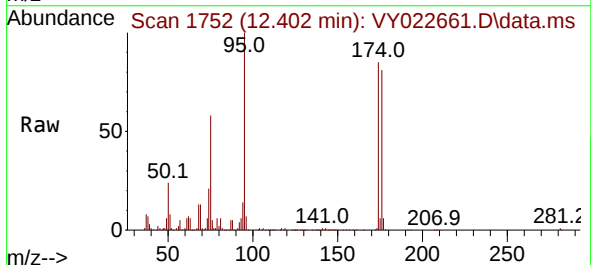
Instrument :
MSVOA_Y
ClientSampleId :
MOO-25-0166-MOO-25-0167

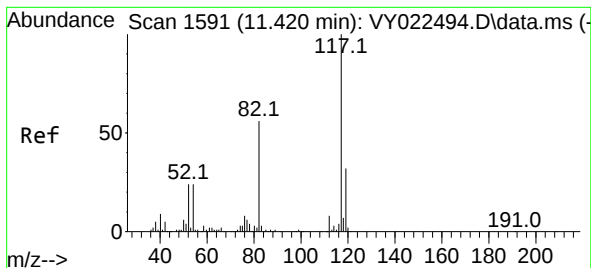
Tgt Ion: 98 Resp: 440049
Ion Ratio Lower Upper
98 100
100 63.4 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 40.296 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022661.D
Acq: 11 Jun 2025 13:58

Tgt Ion: 95 Resp: 105436
Ion Ratio Lower Upper
95 100
174 87.4 0.0 170.0
176 83.4 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022661.D

Acq: 11 Jun 2025 13:58

Instrument :

MSVOA_Y

ClientSampleId :

MOO-25-0166-MOO-25-0167

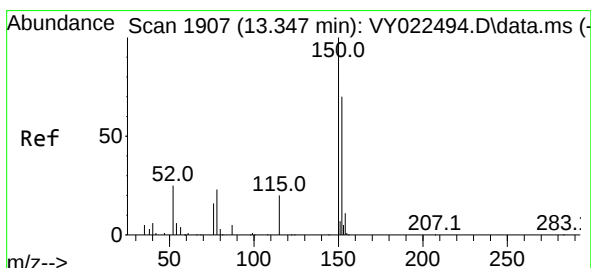
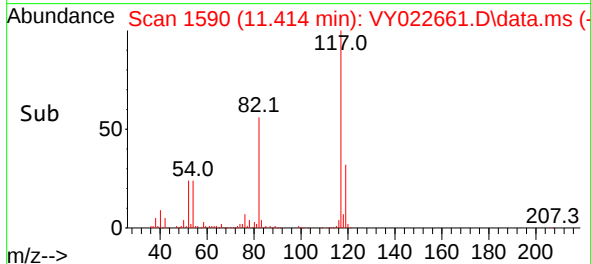
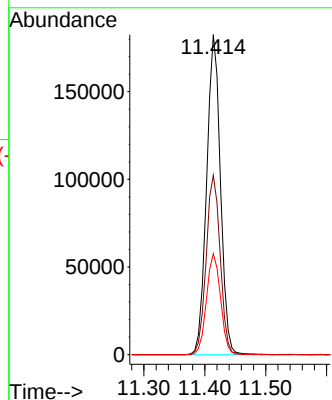
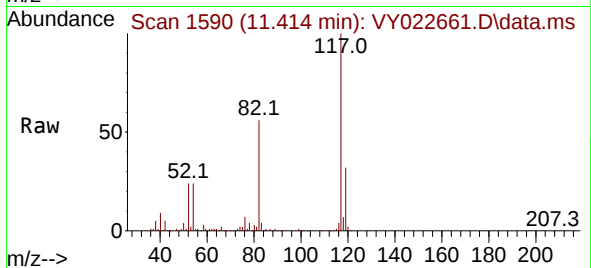
Tgt Ion:117 Resp: 287276

Ion Ratio Lower Upper

117 100

82 56.0 44.6 66.8

119 31.5 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022661.D

Acq: 11 Jun 2025 13:58

Tgt Ion:152 Resp: 99767

Ion Ratio Lower Upper

152 100

115 58.2 28.9 86.7

150 157.1 0.0 349.6

