

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY061125\
 Data File : VY022656.D
 Acq On : 11 Jun 2025 12:01
 Operator : SY/MD
 Sample : Q2259-03
 Misc : 4.90g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-PCS-TC-37-060525

Quant Time: Jun 12 05:05:25 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	7.707	168	170907	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	317360	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	249999	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	86500	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	90784	47.494	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	94.980%
35) Dibromofluoromethane	7.634	113	94225	49.742	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.480%
50) Toluene-d8	10.109	98	379249	49.549	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.100%
62) 4-Bromofluorobenzene	12.408	95	90236	39.568	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	79.140%

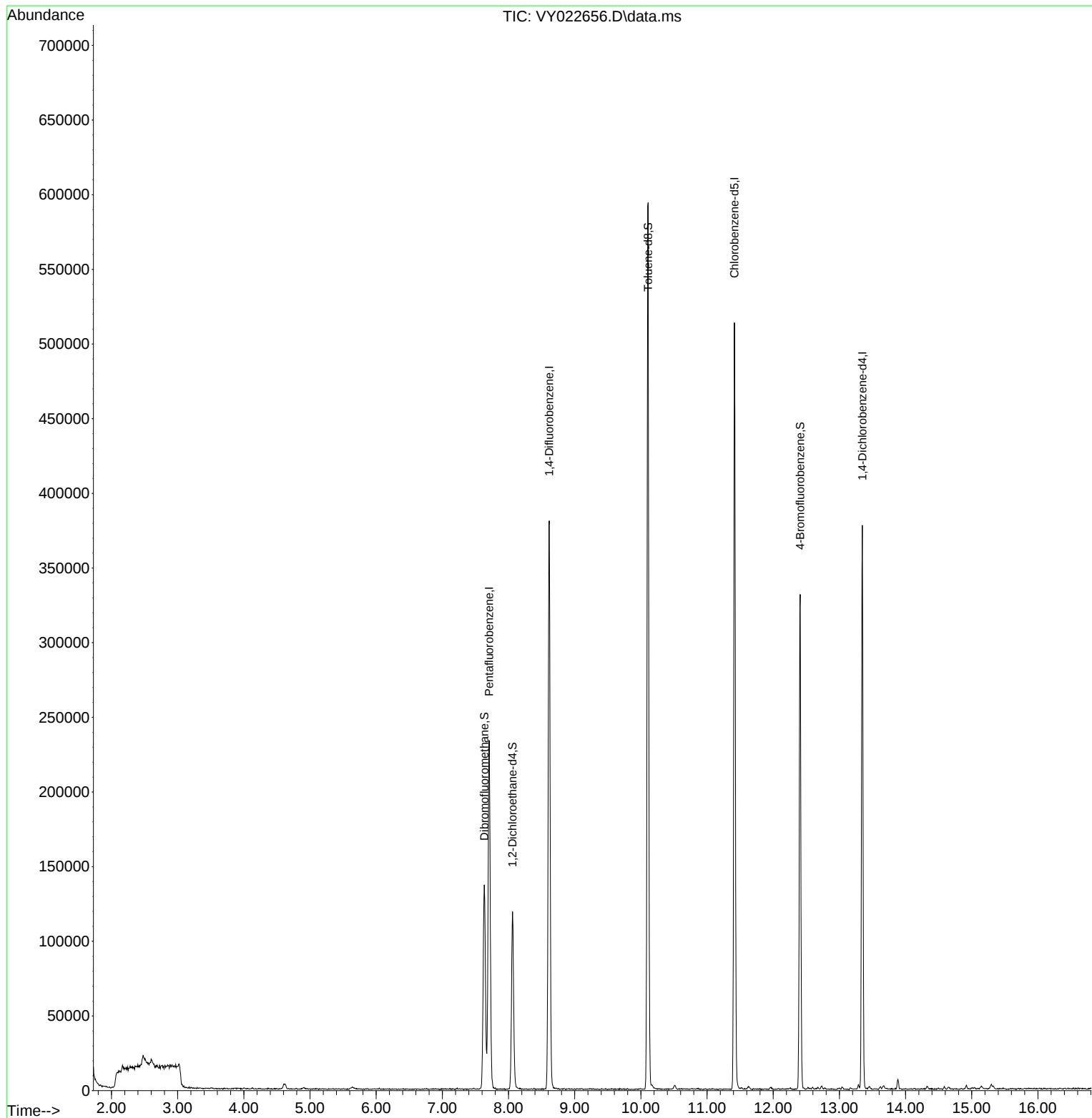
Target Compounds	Qvalue

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

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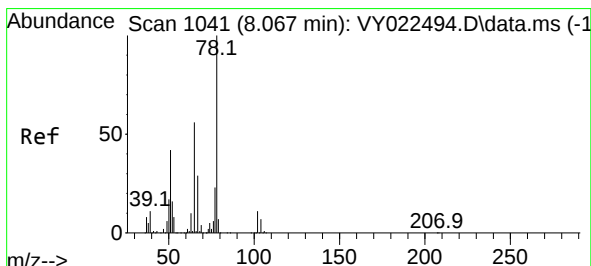
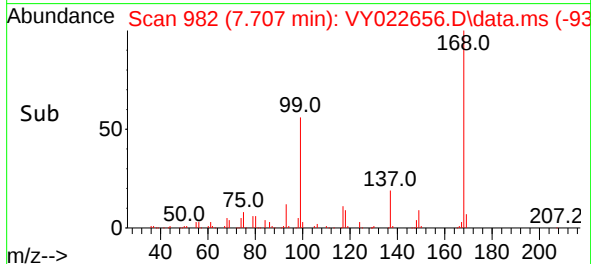
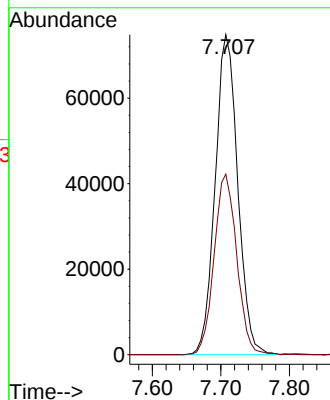
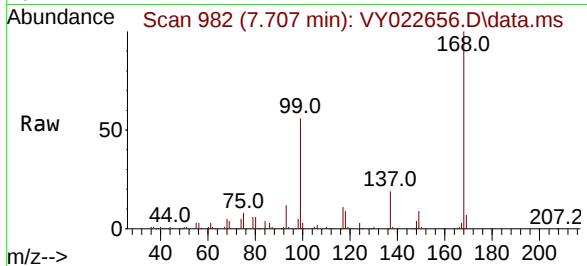




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022656.D
Acq: 11 Jun 2025 12:01

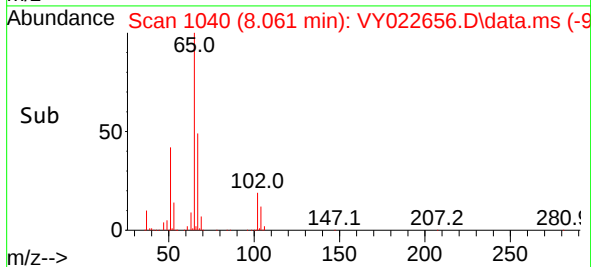
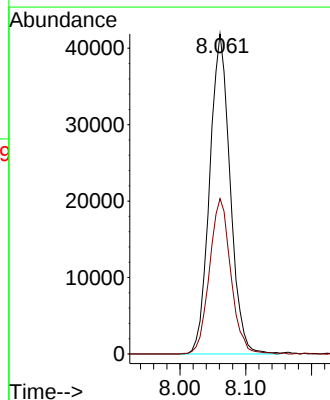
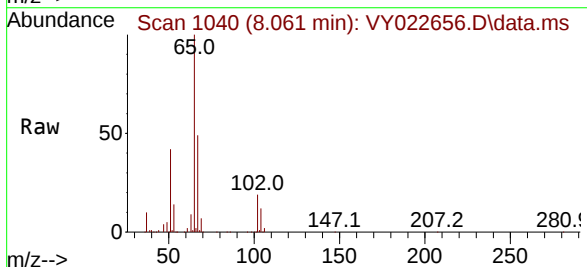
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-37-060525

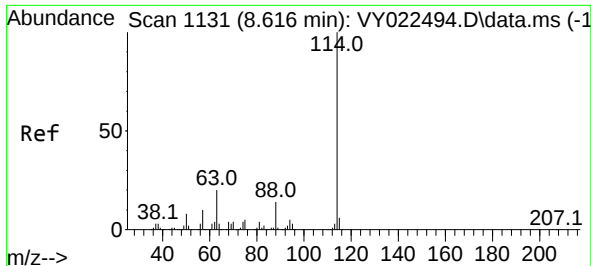
Tgt Ion:168 Resp: 170907
Ion Ratio Lower Upper
168 100
99 56.4 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 47.494 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022656.D
Acq: 11 Jun 2025 12:01

Tgt Ion: 65 Resp: 90784
Ion Ratio Lower Upper
65 100
67 50.6 0.0 103.4

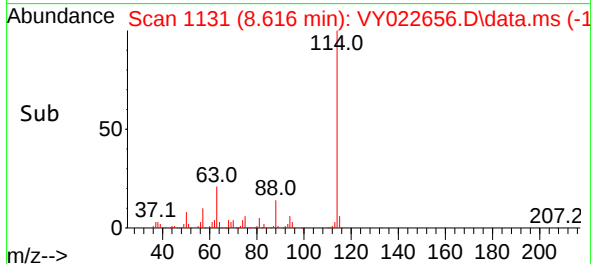
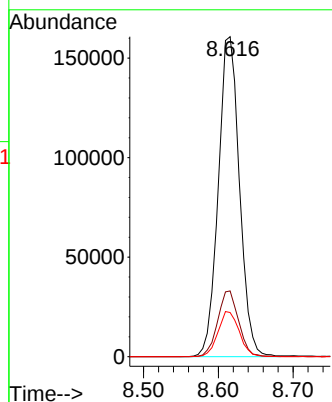
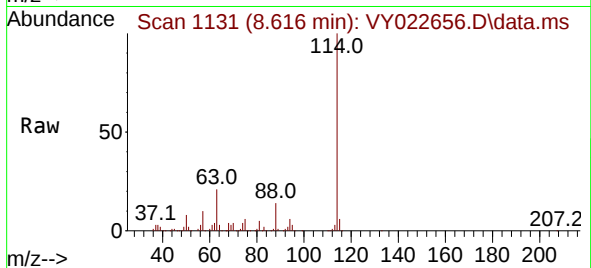




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022656.D
Acq: 11 Jun 2025 12:01

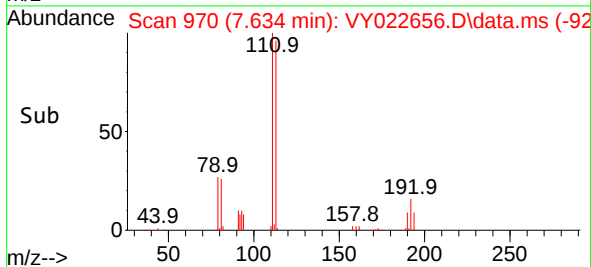
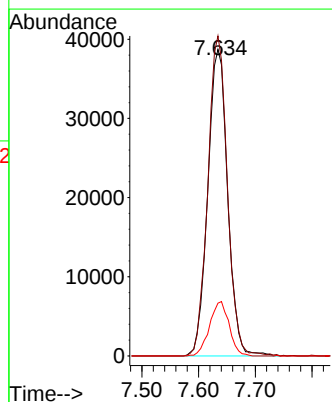
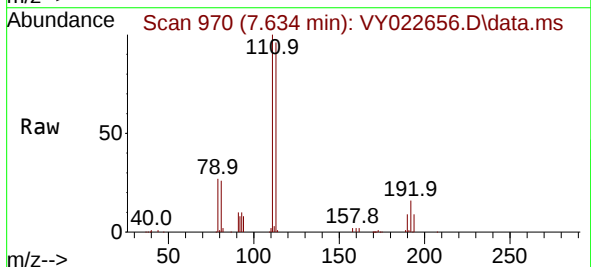
Instrument :
MSVOA_Y
ClientSampleId :
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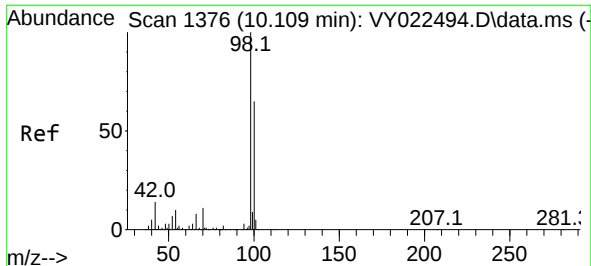
Tgt Ion:114 Resp: 317360
Ion Ratio Lower Upper
114 100
63 20.6 0.0 40.8
88 13.8 0.0 27.8



#35
Dibromofluoromethane
Concen: 49.742 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022656.D
Acq: 11 Jun 2025 12:01

Tgt Ion:113 Resp: 94225
Ion Ratio Lower Upper
113 100
111 102.8 81.1 121.7
192 17.6 14.2 21.2

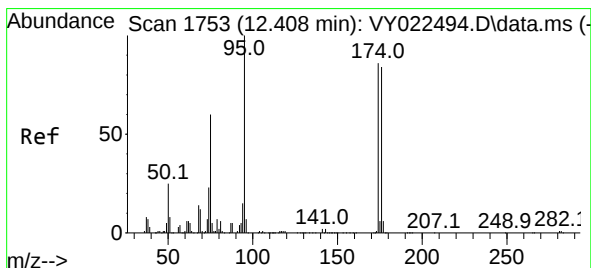
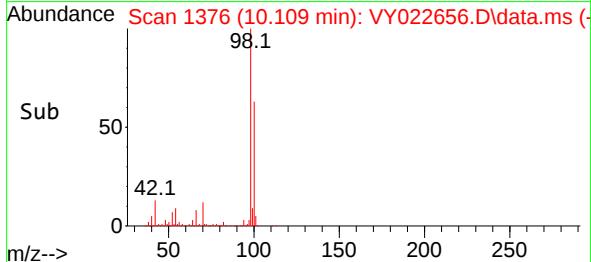
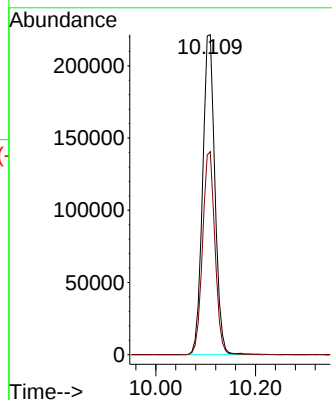
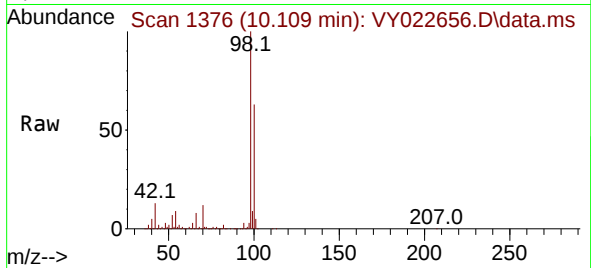




#50
Toluene-d8
Concen: 49.549 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022656.D
Acq: 11 Jun 2025 12:01

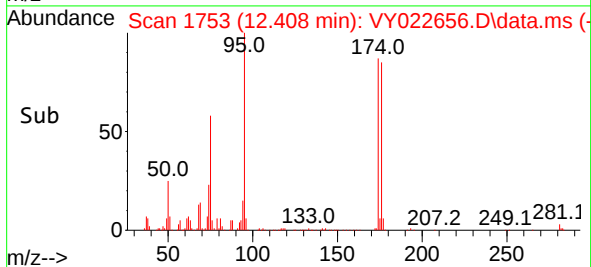
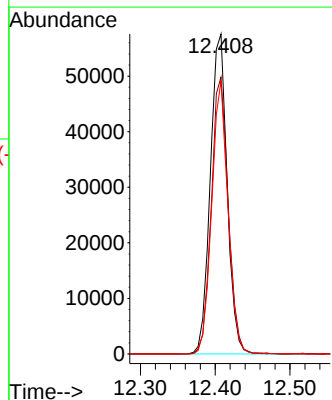
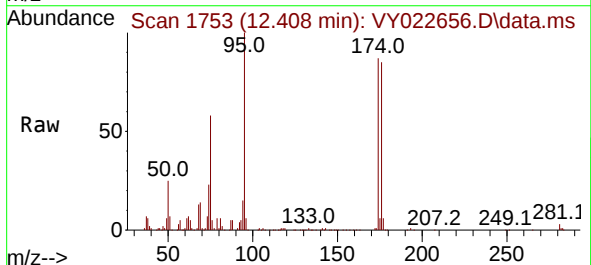
Instrument :
MSVOA_Y
ClientSampleId :
OU4-PCS-TC-37-060525

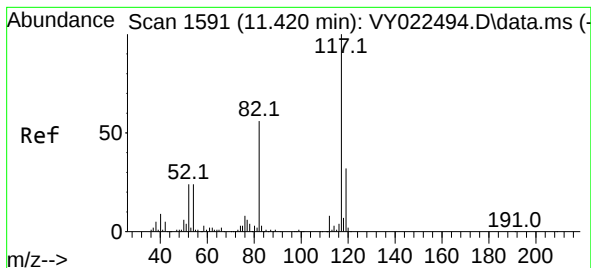
Tgt Ion: 98 Resp: 379249
Ion Ratio Lower Upper
98 100
100 63.9 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 39.568 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022656.D
Acq: 11 Jun 2025 12:01

Tgt Ion: 95 Resp: 90236
Ion Ratio Lower Upper
95 100
174 87.1 0.0 170.0
176 82.6 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY022656.D

Acq: 11 Jun 2025 12:01

Instrument :

MSVOA_Y

ClientSampleId :

OU4-PCS-TC-37-060525

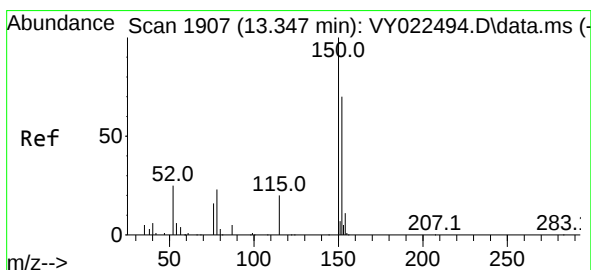
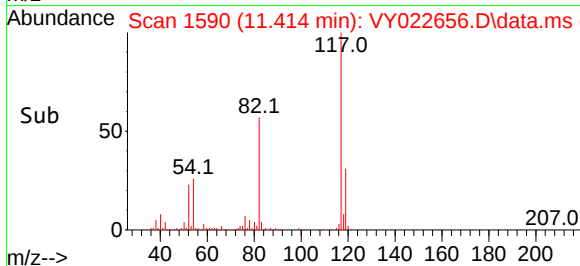
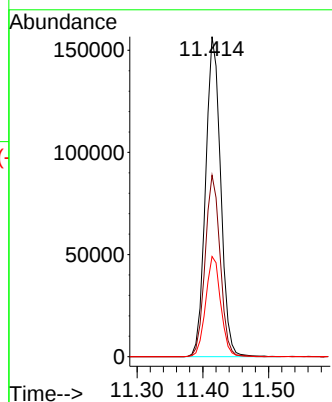
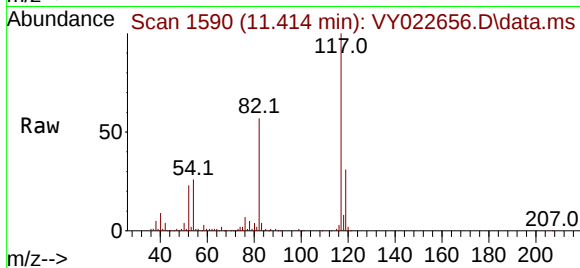
Tgt Ion:117 Resp: 249999

Ion Ratio Lower Upper

117 100

82 56.7 44.6 66.8

119 31.3 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022656.D

Acq: 11 Jun 2025 12:01

Tgt Ion:152 Resp: 86500

Ion Ratio Lower Upper

152 100

115 57.8 28.9 86.7

150 158.9 0.0 349.6

