

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY051525\
 Data File : VY022271.D
 Acq On : 15 May 2025 17:56
 Operator : SY/MD
 Sample : Q1984-15
 Misc : 4.42g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-28-050725

Quant Time: May 16 01:58:57 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	295768	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	512727	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	353419	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	96887	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	156709	48.480	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	96.960%
35) Dibromofluoromethane	7.634	113	152579	49.858	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.720%
50) Toluene-d8	10.103	98	590210	47.091	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	94.180%
62) 4-Bromofluorobenzene	12.402	95	122043	30.721	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	61.440%

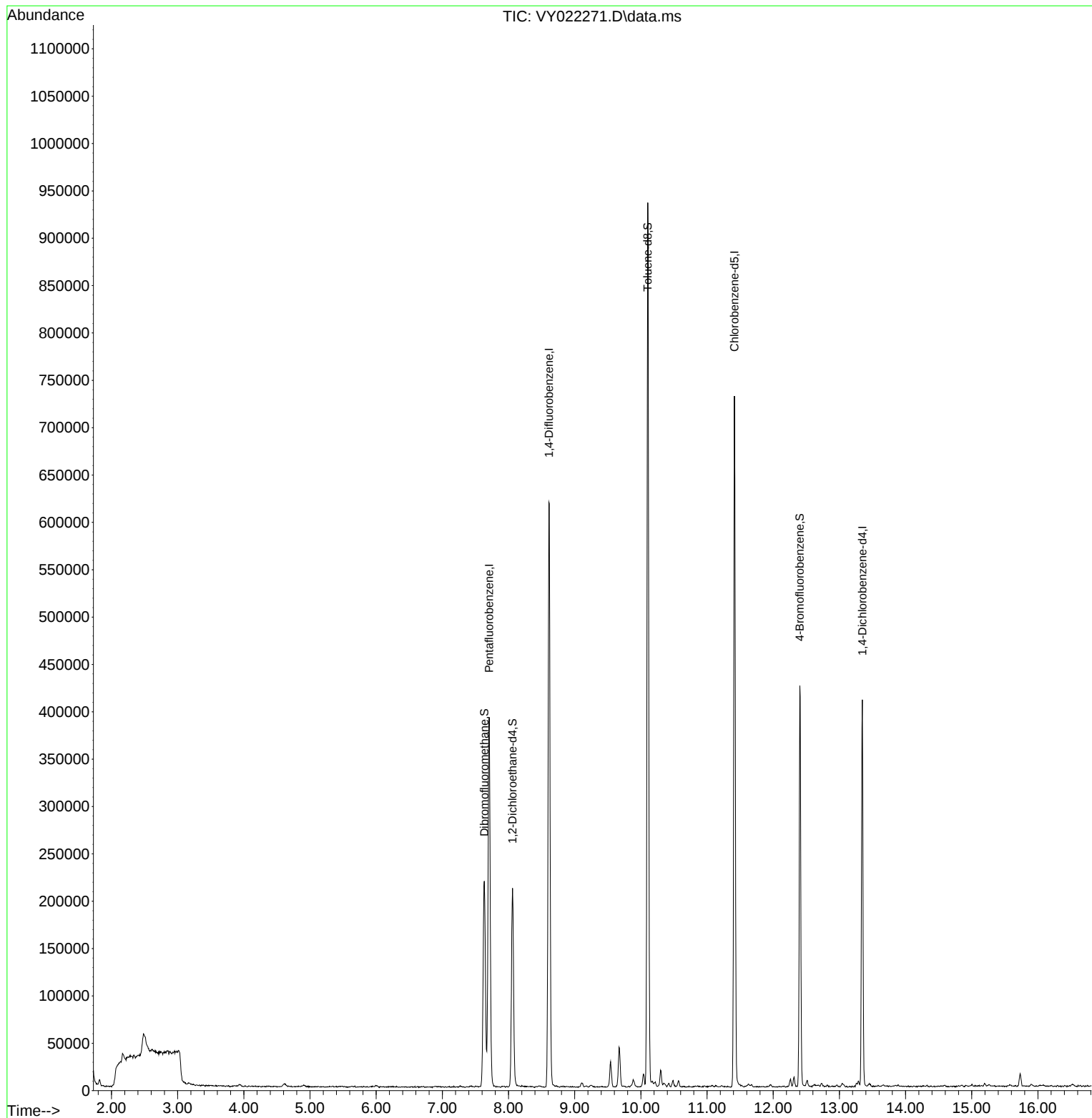
Target Compounds	Qvalue

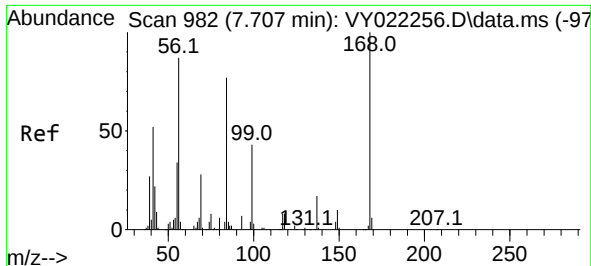
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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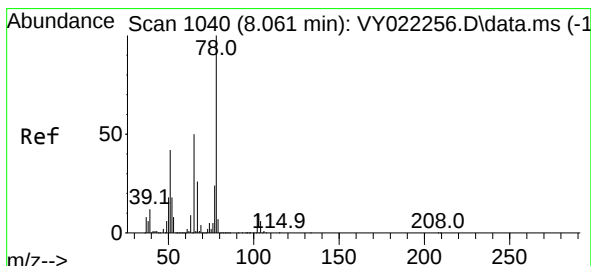
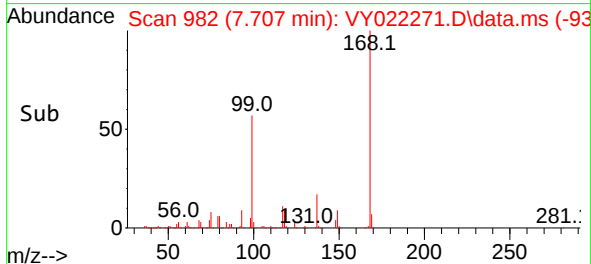
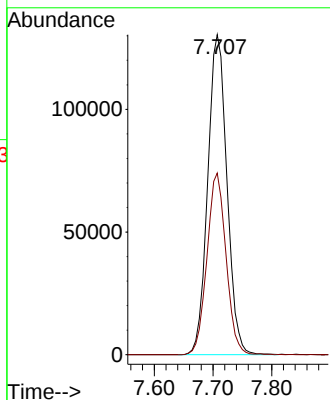
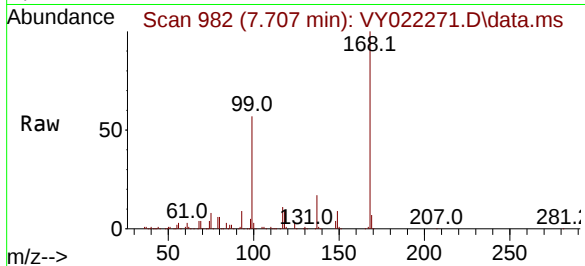




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY022271.D
Acq: 15 May 2025 17:56

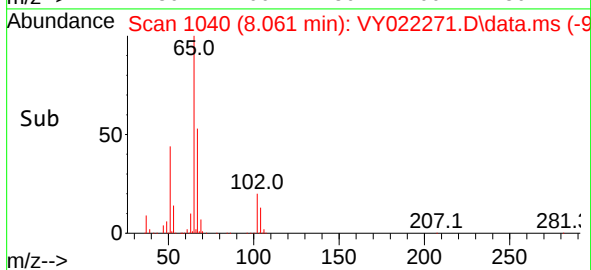
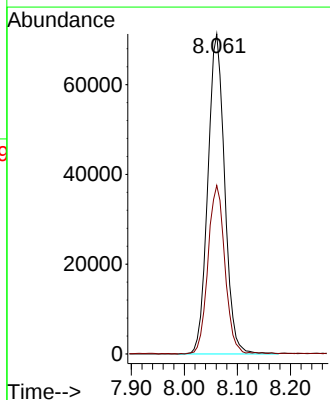
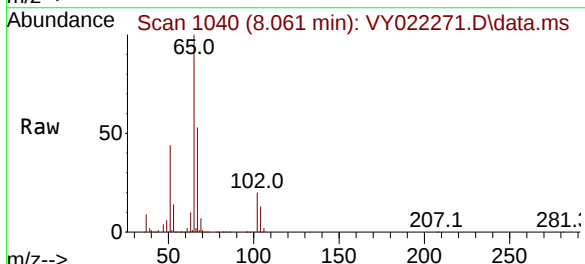
Instrument :
MSVOA_Y
ClientSampleId :
OU4-TS-28-050725

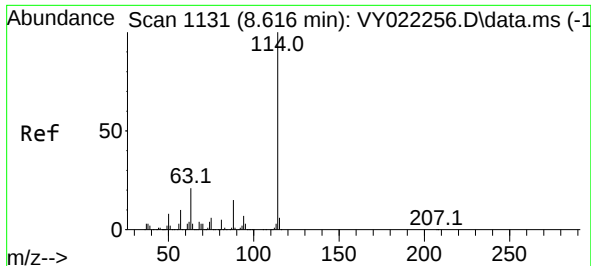
Tgt Ion:168 Resp: 295768
Ion Ratio Lower Upper
168 100
99 56.8 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 48.480 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY022271.D
Acq: 15 May 2025 17:56

Tgt Ion: 65 Resp: 156709
Ion Ratio Lower Upper
65 100
67 53.3 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: VY022271.D

Acq: 15 May 2025 17:56

Instrument :

MSVOA_Y

ClientSampleId :

OU4-TS-28-050725

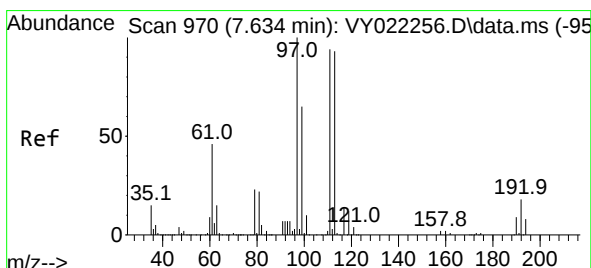
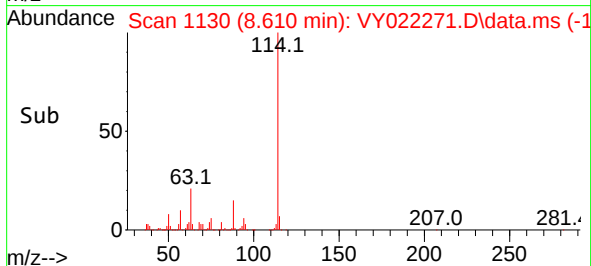
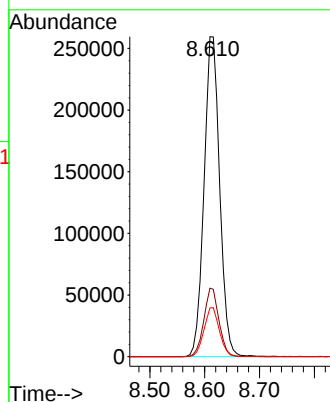
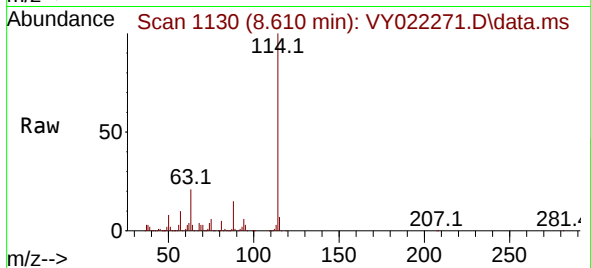
Tgt Ion:114 Resp: 512727

Ion Ratio Lower Upper

114 100

63 21.4 0.0 41.0

88 15.3 0.0 29.4



#35

Dibromofluoromethane

Concen: 49.858 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY022271.D

Acq: 15 May 2025 17:56

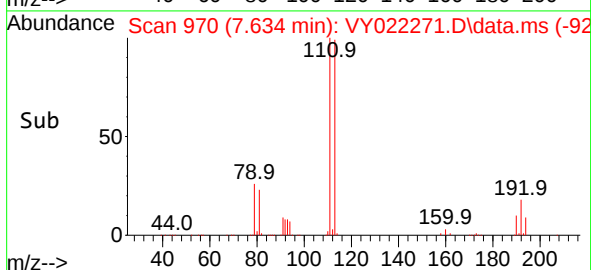
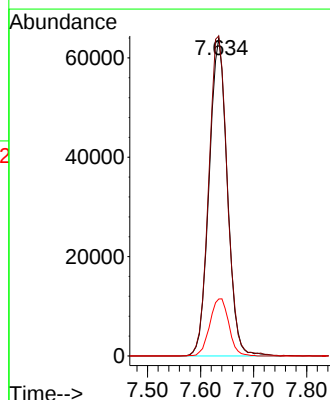
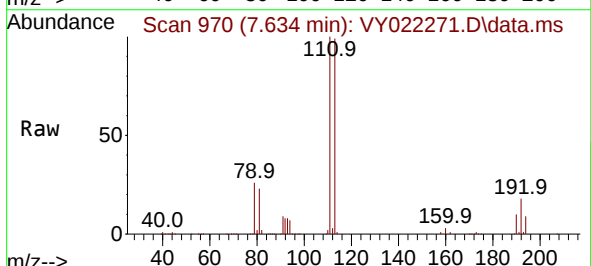
Tgt Ion:113 Resp: 152579

Ion Ratio Lower Upper

113 100

111 102.8 82.6 123.8

192 18.8 15.2 22.8

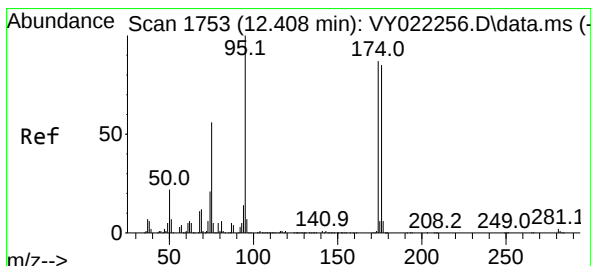
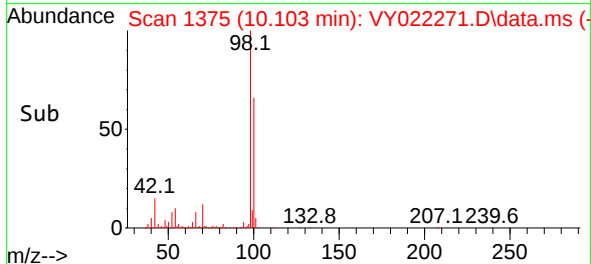
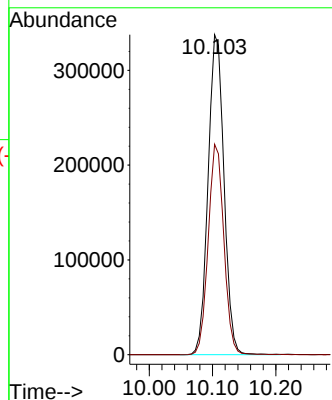
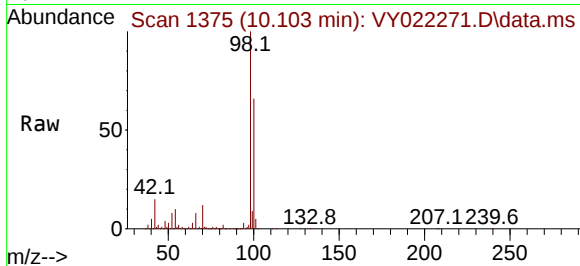




#50
Toluene-d8
Concen: 47.091 ug/l
RT: 10.103 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY022271.D
Acq: 15 May 2025 17:56

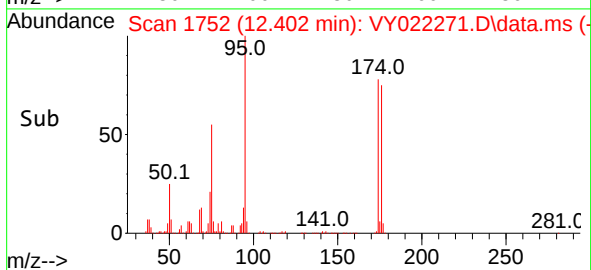
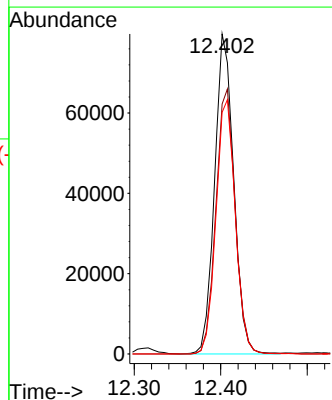
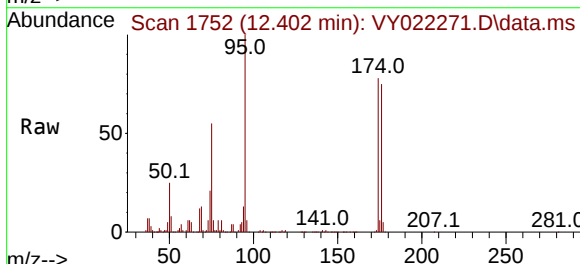
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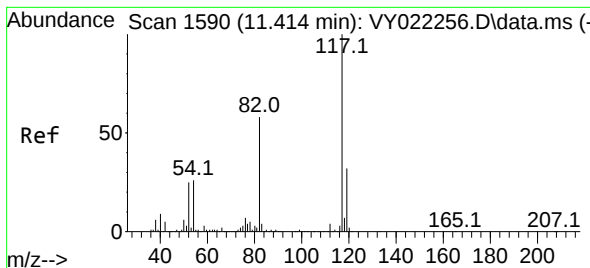
Tgt Ion: 98 Resp: 590210
Ion Ratio Lower Upper
98 100
100 64.7 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 30.721 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022271.D
Acq: 15 May 2025 17:56

Tgt Ion: 95 Resp: 122043
Ion Ratio Lower Upper
95 100
174 83.9 0.0 166.8
176 80.4 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: VY022271.D

Acq: 15 May 2025 17:56

Instrument :

MSVOA_Y

ClientSampleId :

OU4-TS-28-050725

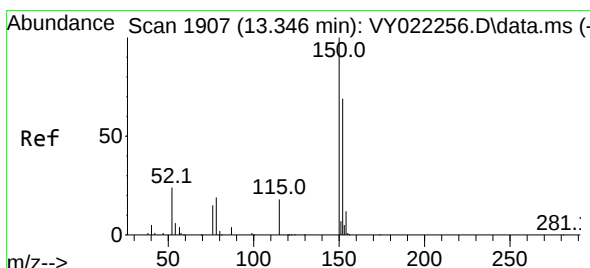
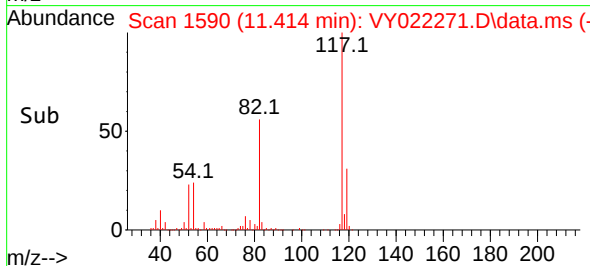
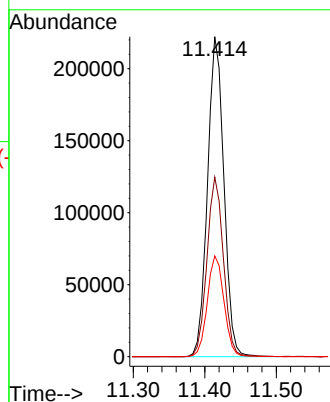
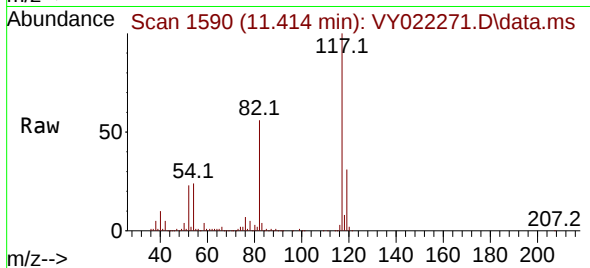
Tgt Ion:117 Resp: 353419

Ion Ratio Lower Upper

117 100

82 56.1 46.6 70.0

119 31.5 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: VY022271.D

Acq: 15 May 2025 17:56

Tgt Ion:152 Resp: 96887

Ion Ratio Lower Upper

152 100

115 57.4 29.4 88.2

150 155.2 0.0 353.8

