

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY020425\
 Data File : VY021057.D
 Acq On : 04 Feb 2025 14:39
 Operator : SY/MD
 Sample : Q1232-05
 Misc : 15.19g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 JPP-46.1-012925

Quant Time: Feb 05 00:47:03 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y020325S.M
 Quant Title : SW846 8260
 QLast Update : Mon Feb 03 13:08:38 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	153324	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	288726	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	272546	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	112034	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	97642	62.156	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	124.320%
35) Dibromofluoromethane	7.634	113	97993	52.959	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.920%
50) Toluene-d8	10.109	98	359016	50.965	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.920%
62) 4-Bromofluorobenzene	12.407	95	115017	49.978	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	99.960%

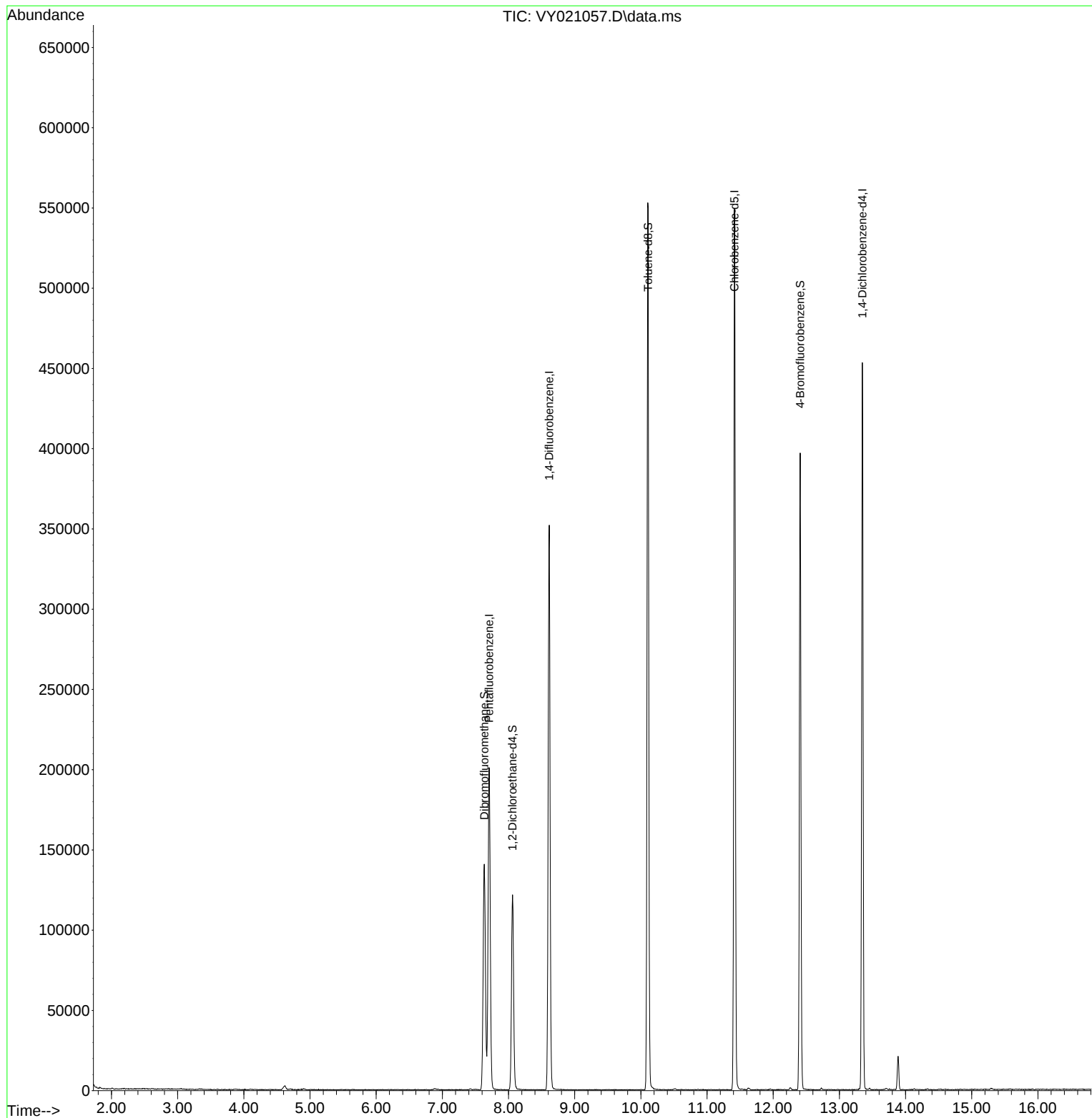
Target Compounds	Qvalue

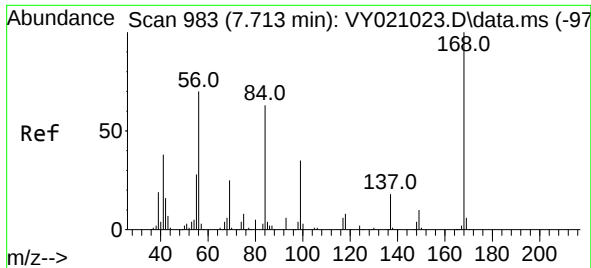
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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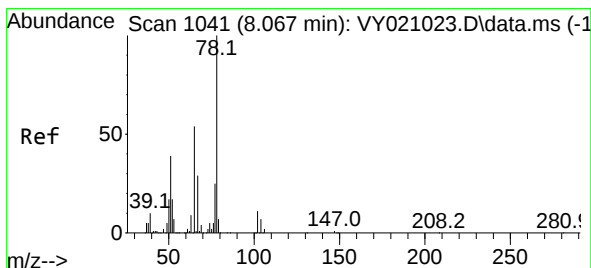
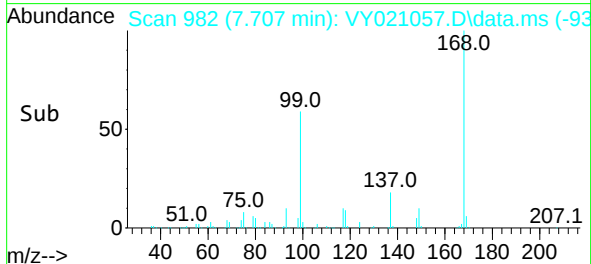
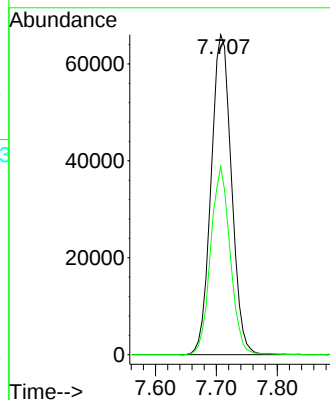
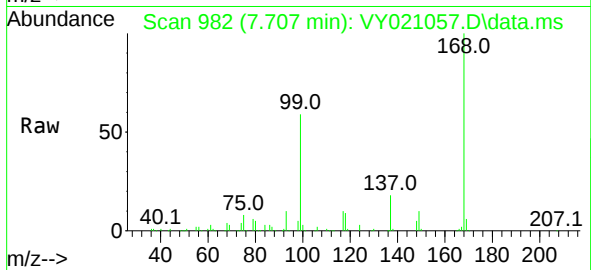




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY021057.D
Acq: 04 Feb 2025 14:39

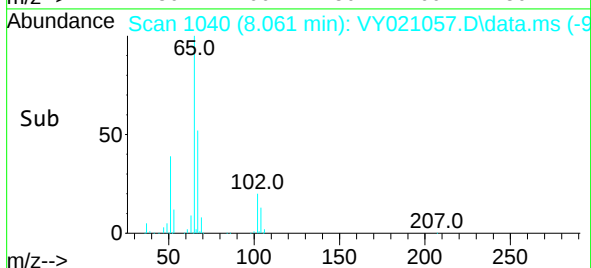
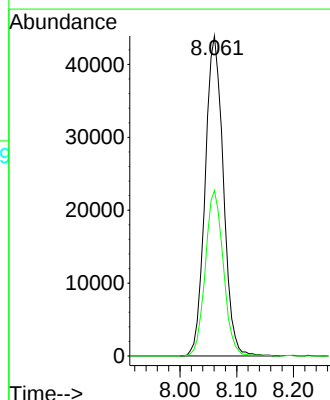
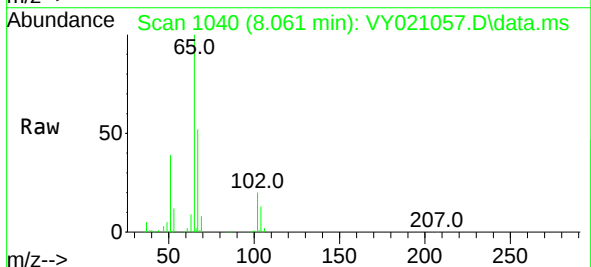
Instrument :
MSVOA_Y
ClientSampleId :
JPP-46.1-012925

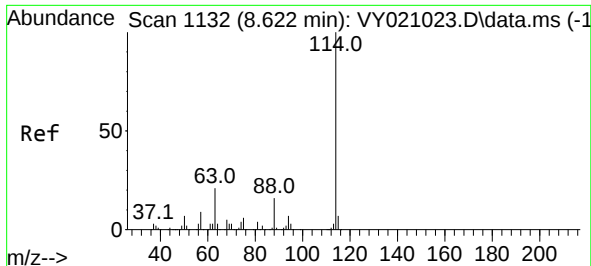
Tgt Ion:168 Resp: 153324
Ion Ratio Lower Upper
168 100
99 58.8 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 62.156 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY021057.D
Acq: 04 Feb 2025 14:39

Tgt Ion: 65 Resp: 97642
Ion Ratio Lower Upper
65 100
67 51.3 0.0 109.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.615 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY021057.D

Acq: 04 Feb 2025 14:39

Instrument :

MSVOA_Y

ClientSampleId :

JPP-46.1-012925

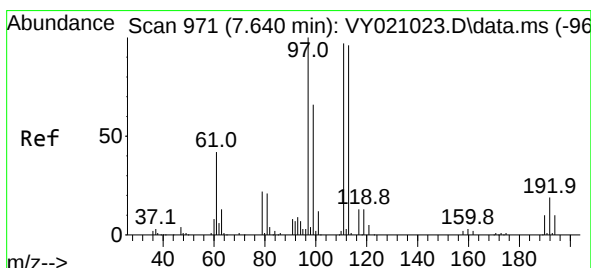
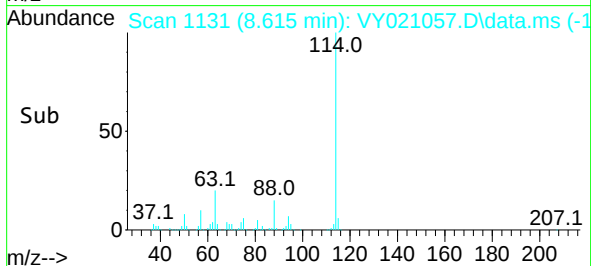
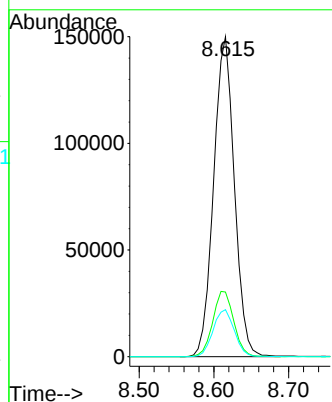
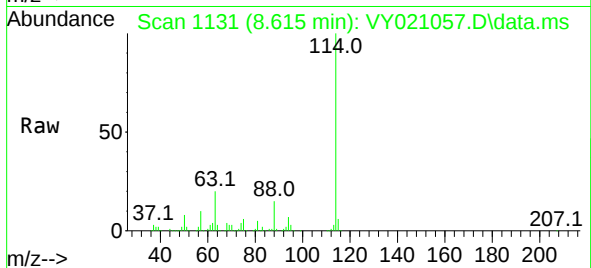
Tgt Ion:114 Resp: 288726

Ion Ratio Lower Upper

114 100

63 20.2 0.0 37.4

88 14.7 0.0 29.0



#35

Dibromofluoromethane

Concen: 52.959 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.006 min

Lab File: VY021057.D

Acq: 04 Feb 2025 14:39

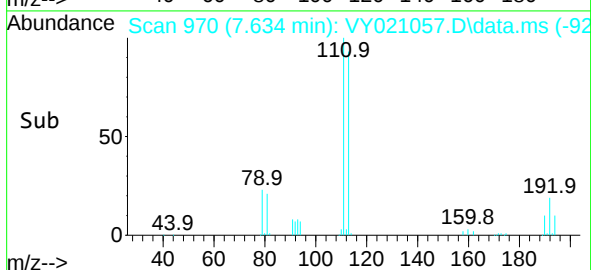
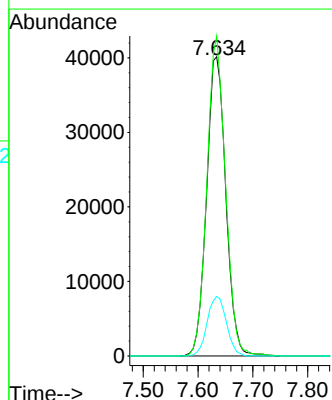
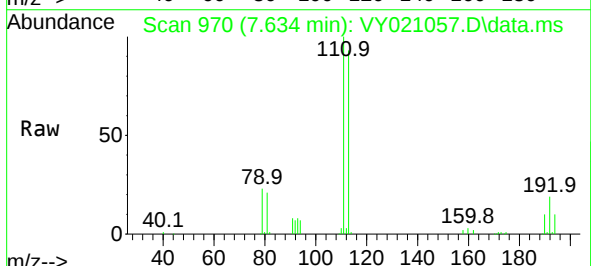
Tgt Ion:113 Resp: 97993

Ion Ratio Lower Upper

113 100

111 102.9 83.8 125.6

192 19.7 14.5 21.7

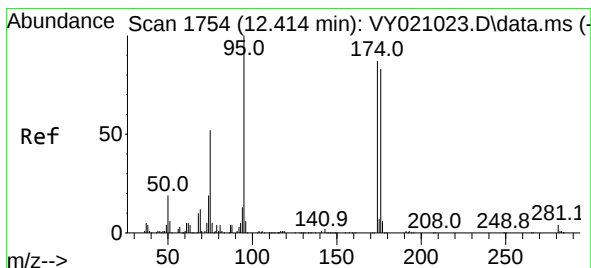
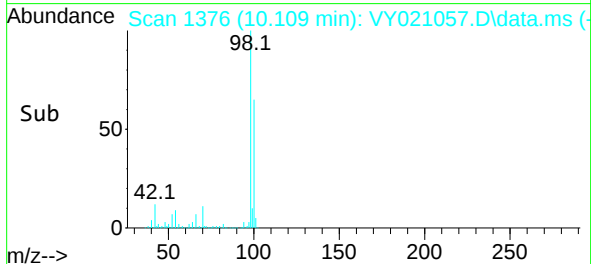
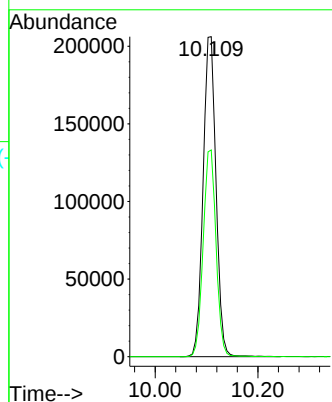
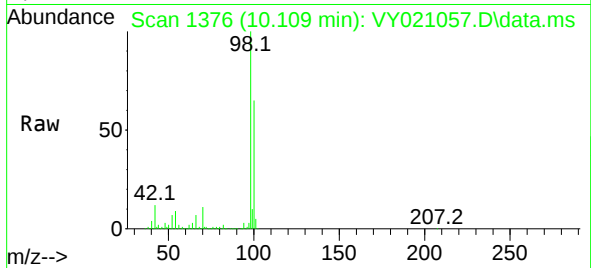




#50
Toluene-d8
Concen: 50.965 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY021057.D
Acq: 04 Feb 2025 14:39

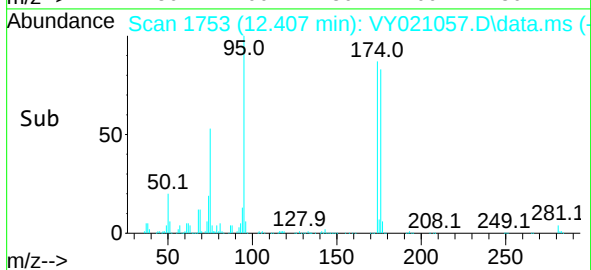
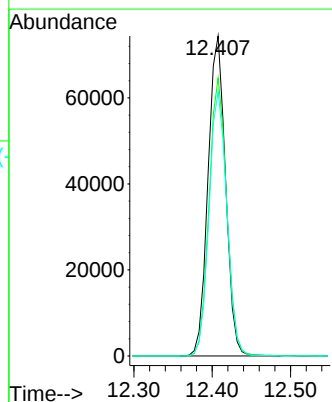
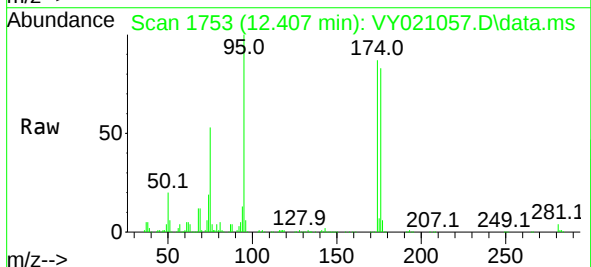
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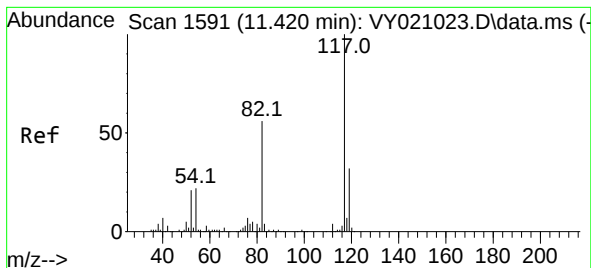
Tgt Ion: 98 Resp: 359016
Ion Ratio Lower Upper
98 100
100 64.3 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 49.978 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.006 min
Lab File: VY021057.D
Acq: 04 Feb 2025 14:39

Tgt Ion: 95 Resp: 115017
Ion Ratio Lower Upper
95 100
174 87.9 0.0 160.0
176 83.7 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY021057.D

Acq: 04 Feb 2025 14:39

Instrument :

MSVOA_Y

ClientSampleId :

JPP-46.1-012925

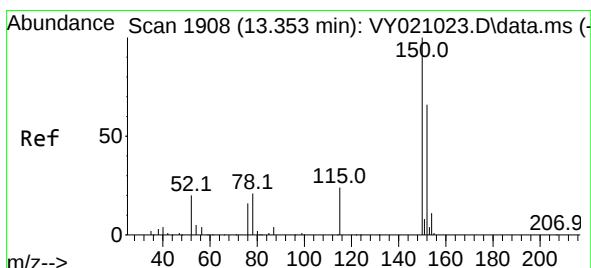
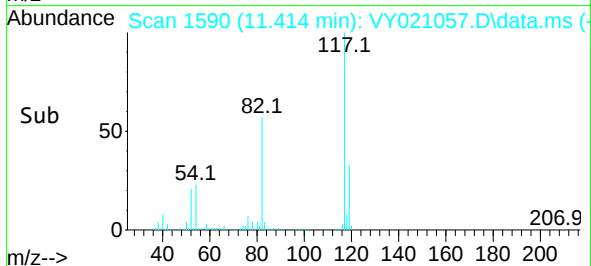
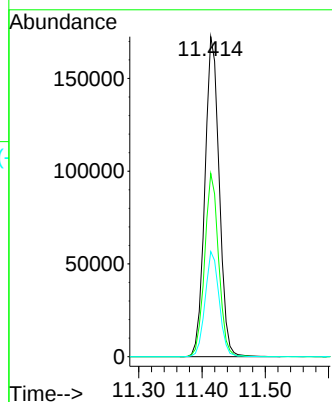
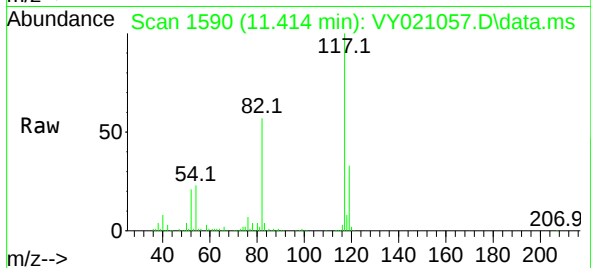
Tgt Ion:117 Resp: 272546

Ion Ratio Lower Upper

117 100

82 57.2 43.8 65.8

119 32.8 26.5 39.7



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.006 min

Lab File: VY021057.D

Acq: 04 Feb 2025 14:39

Tgt Ion:152 Resp: 112034

Ion Ratio Lower Upper

152 100

115 56.3 30.0 90.0

150 155.5 0.0 344.6

