

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY041025\
 Data File : VY021837.D
 Acq On : 10 Apr 2025 14:50
 Operator : SY/MD
 Sample : Q1738-01RE
 Misc : 5.06g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OK-02-040425RE

Quant Time: Apr 11 01:51:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y032725S.M
 Quant Title : SW846 8260
 QLast Update : Fri Mar 28 02:30:29 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	149036	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	241533	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	187974	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	62785	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	70766	43.824	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	87.640%
35) Dibromofluoromethane	7.634	113	79287	50.605	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	101.200%
50) Toluene-d8	10.109	98	284553	47.740	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	95.480%
62) 4-Bromofluorobenzene	12.408	95	67508	33.484	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	66.960%

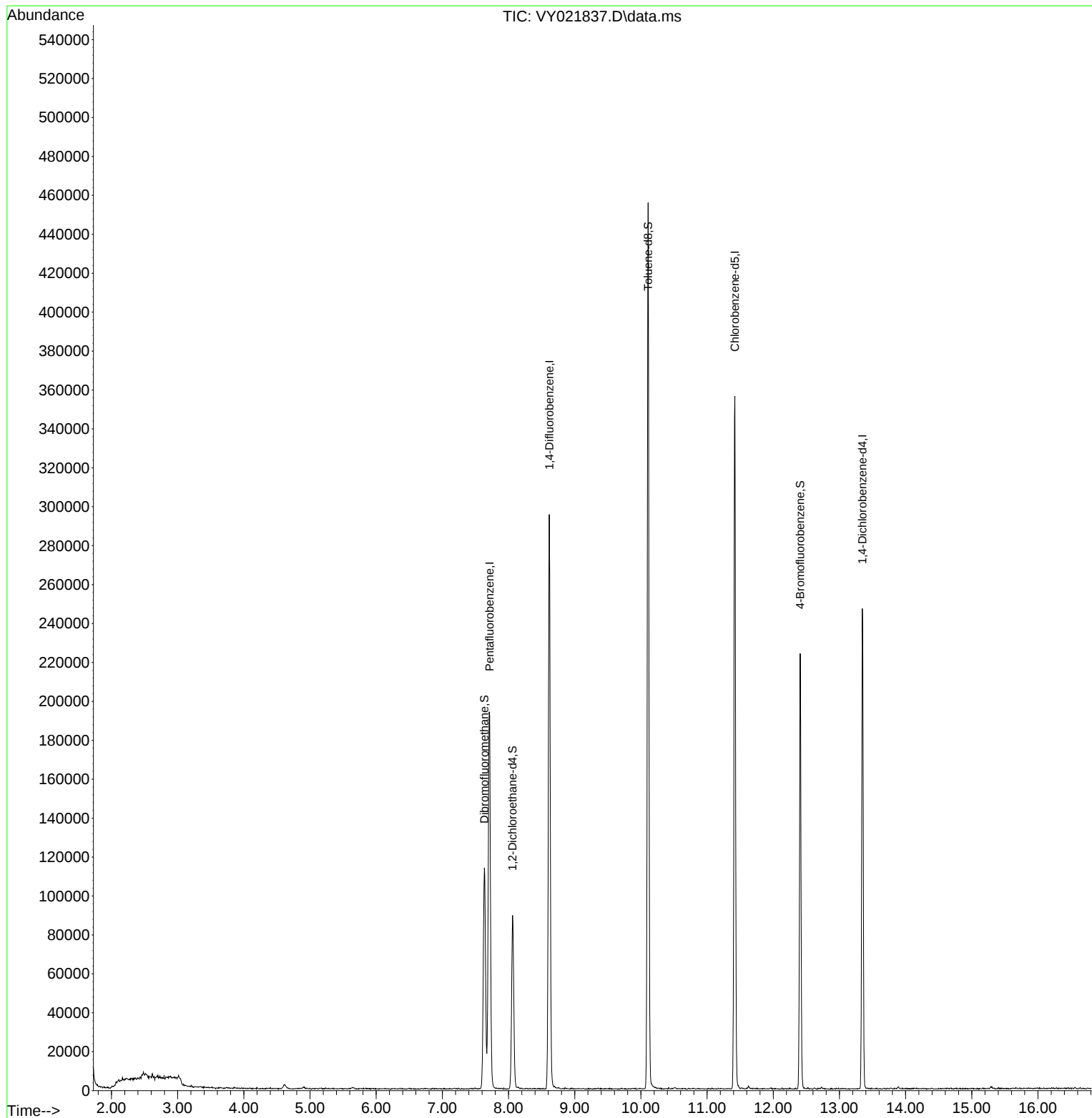
Target Compounds	Qvalue

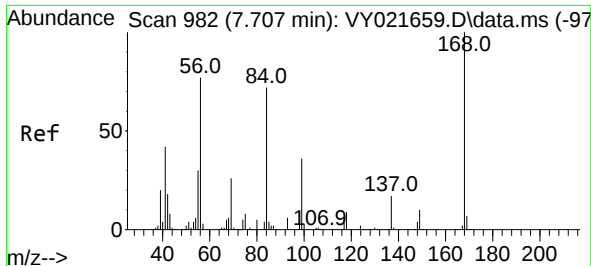
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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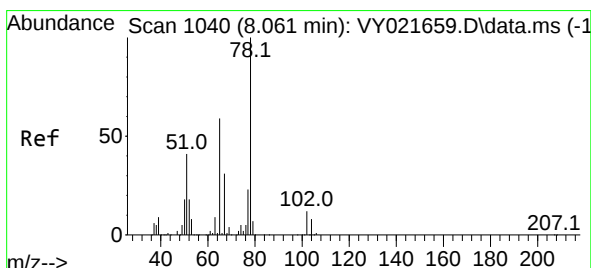
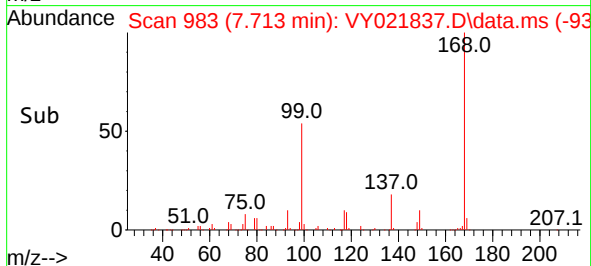
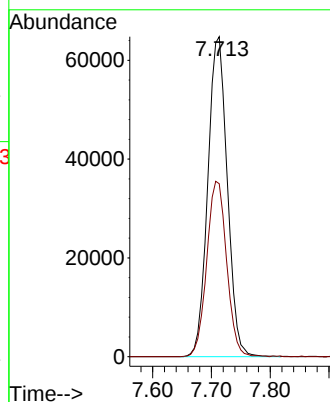
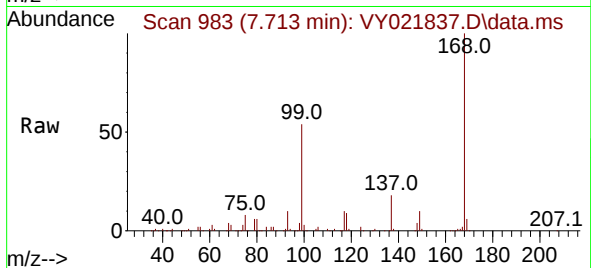




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY021837.D
Acq: 10 Apr 2025 14:50

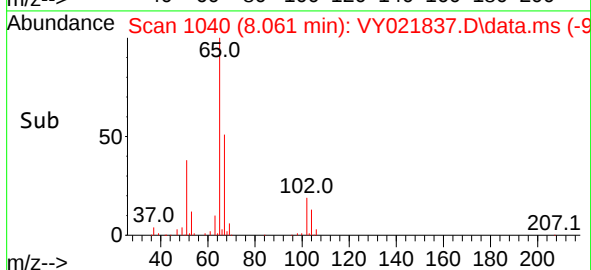
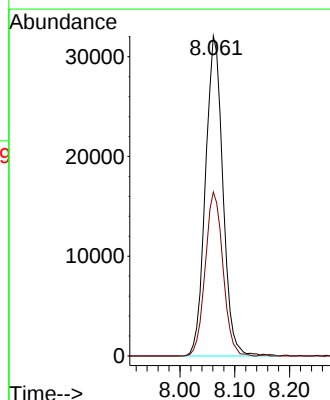
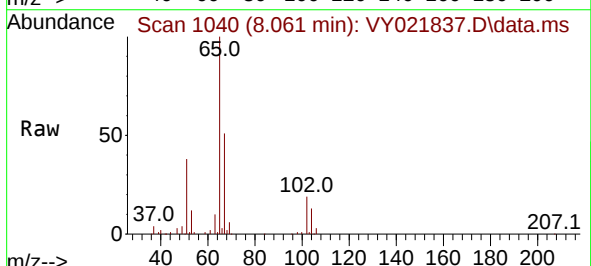
Instrument :
MSVOA_Y
ClientSampleId :
OK-02-040425RE

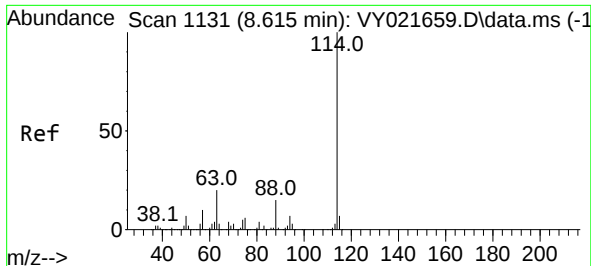
Tgt Ion:168 Resp: 149036
Ion Ratio Lower Upper
168 100
99 54.0 46.7 70.1



#33
1,2-Dichloroethane-d4
Concen: 43.824 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021837.D
Acq: 10 Apr 2025 14:50

Tgt Ion: 65 Resp: 70766
Ion Ratio Lower Upper
65 100
67 52.0 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.000 min

Lab File: VY021837.D

Acq: 10 Apr 2025 14:50

Instrument :

MSVOA_Y

ClientSampleId :

OK-02-040425RE

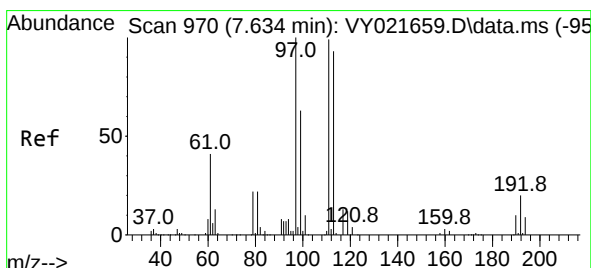
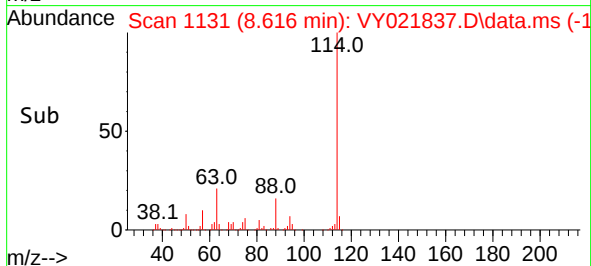
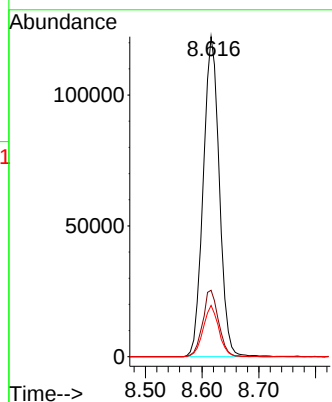
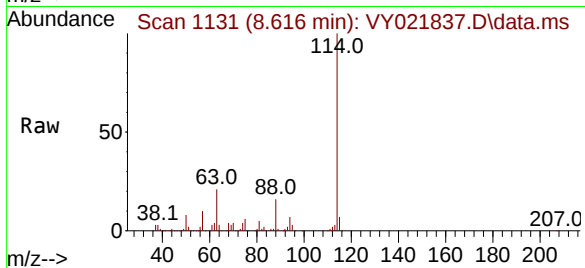
Tgt Ion:114 Resp: 241533

Ion Ratio Lower Upper

114 100

63 20.8 0.0 40.2

88 16.0 0.0 29.8



#35

Dibromofluoromethane

Concen: 50.605 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY021837.D

Acq: 10 Apr 2025 14:50

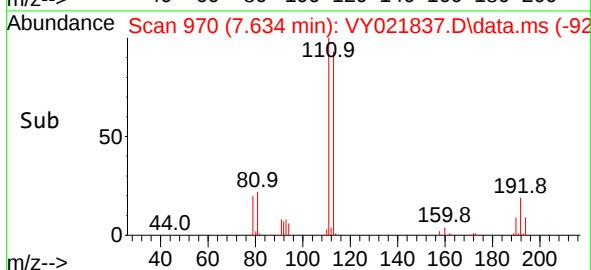
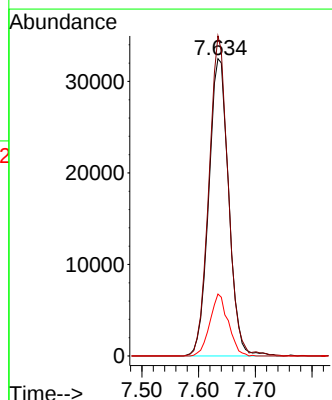
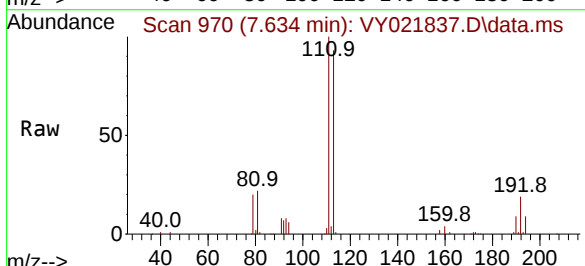
Tgt Ion:113 Resp: 79287

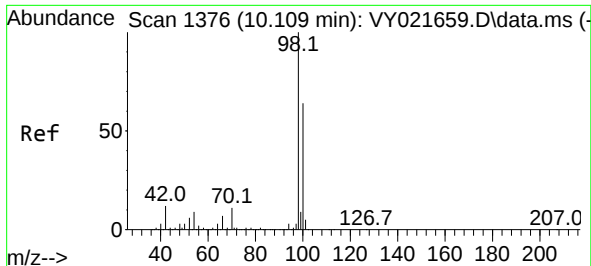
Ion Ratio Lower Upper

113 100

111 103.2 82.6 123.8

192 19.2 16.2 24.4

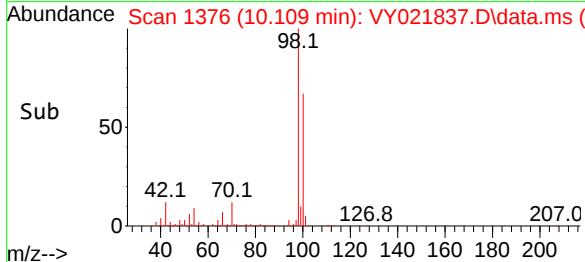
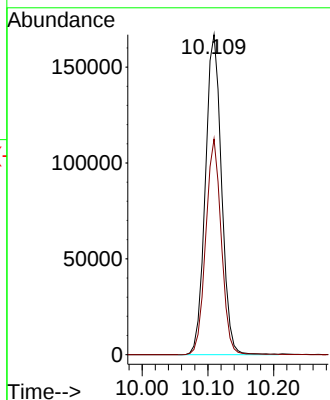
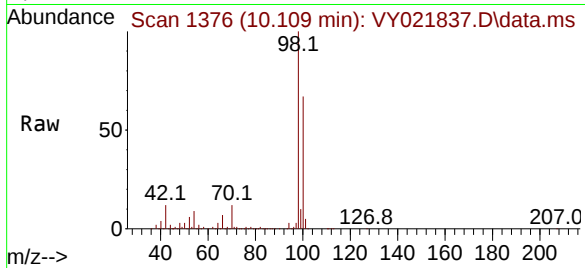




#50
Toluene-d8
Concen: 47.740 ug/l
RT: 10.109 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY021837.D
Acq: 10 Apr 2025 14:50

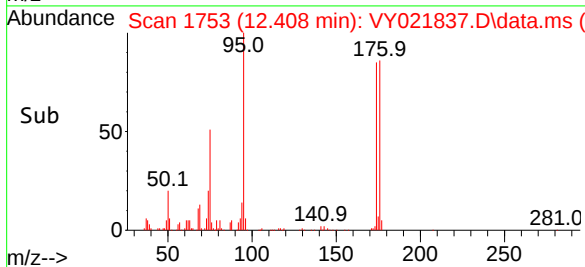
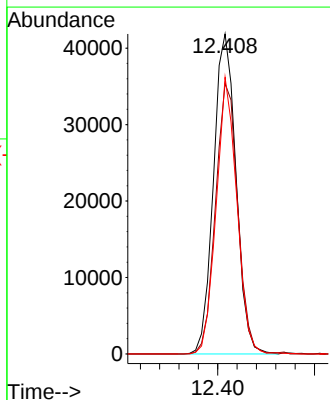
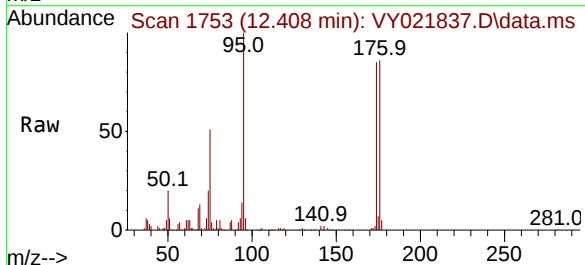
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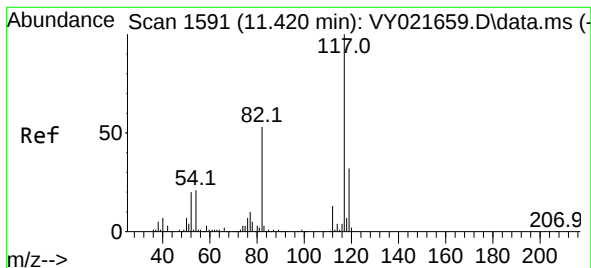
Tgt Ion: 98 Resp: 284553
Ion Ratio Lower Upper
98 100
100 65.0 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 33.484 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.000 min
Lab File: VY021837.D
Acq: 10 Apr 2025 14:50

Tgt Ion: 95 Resp: 67508
Ion Ratio Lower Upper
95 100
174 83.6 0.0 170.8
176 79.3 0.0 162.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.000 min

Lab File: VY021837.D

Acq: 10 Apr 2025 14:50

Instrument :

MSVOA_Y

ClientSampleId :

OK-02-040425RE

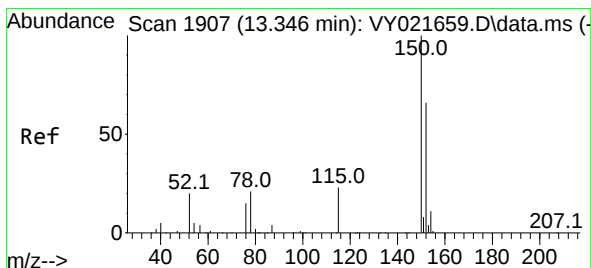
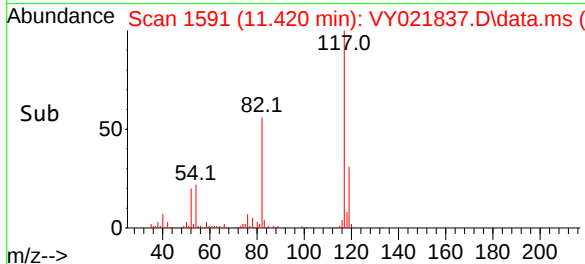
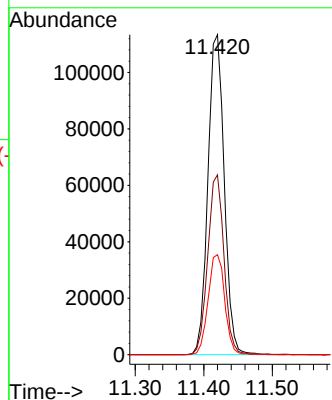
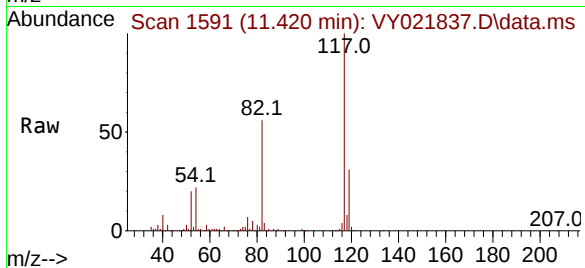
Tgt Ion:117 Resp: 187974

Ion Ratio Lower Upper

117 100

82 56.2 42.8 64.2

119 31.3 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY021837.D

Acq: 10 Apr 2025 14:50

Tgt Ion:152 Resp: 62785

Ion Ratio Lower Upper

152 100

115 56.8 28.8 86.5

150 154.6 0.0 348.4

