

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY033125\
 Data File : VY021727.D
 Acq On : 31 Mar 2025 18:08
 Operator : SY/MD
 Sample : Q1674-01
 Misc : 5.05g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 RT5358

Quant Time: Apr 01 05:40:53 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	7.707	168	301498	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	564913	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	535582	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	231797	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	180014	55.107	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	110.220%
35) Dibromofluoromethane	7.634	113	191120	52.155	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	104.300%
50) Toluene-d8	10.103	98	690448	49.527	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.060%
62) 4-Bromofluorobenzene	12.401	95	236480	50.150	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	100.300%

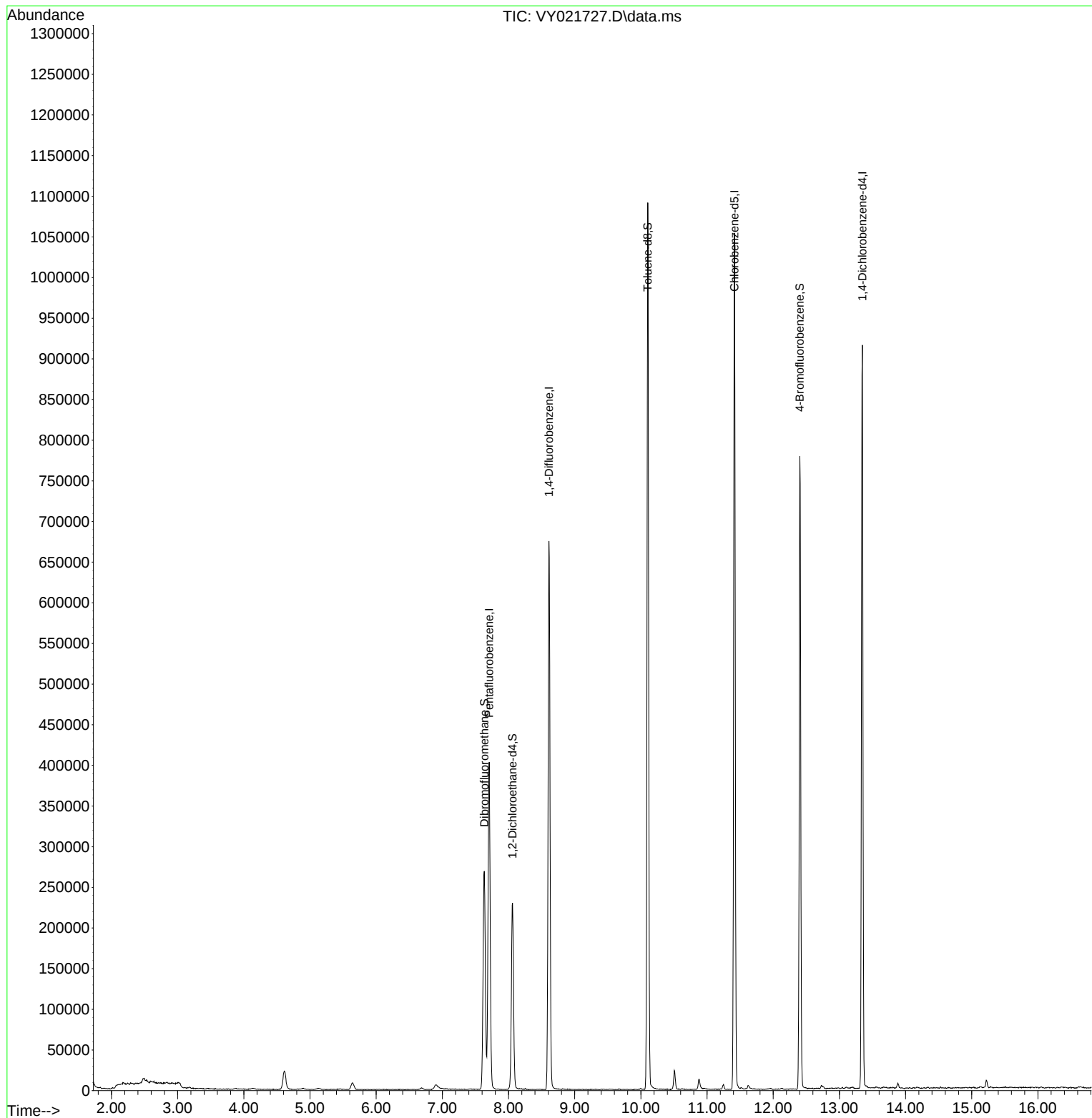
Target Compounds	Qvalue

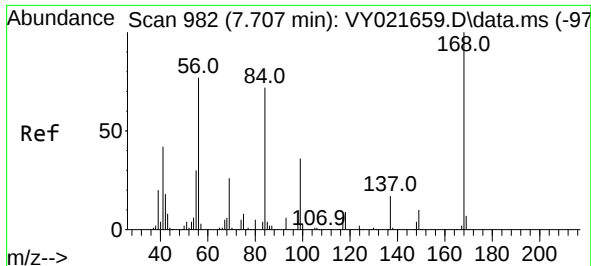
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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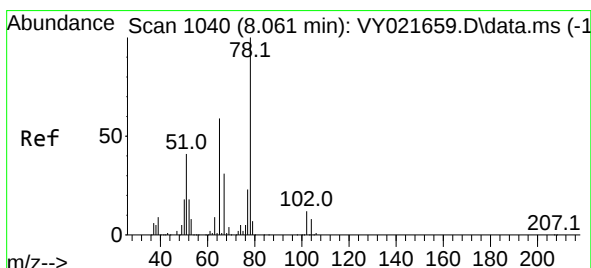
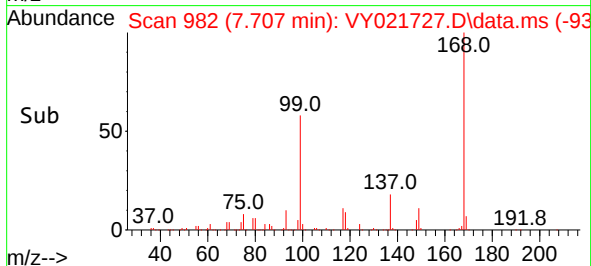
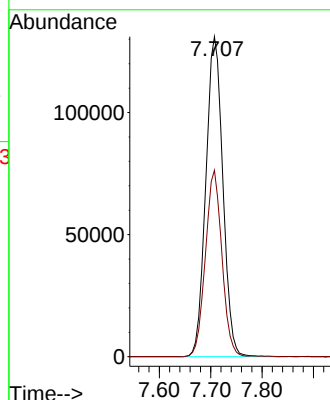
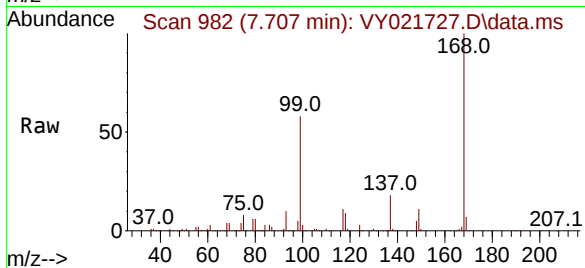




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. 0.000 min
Lab File: VY021727.D
Acq: 31 Mar 2025 18:08

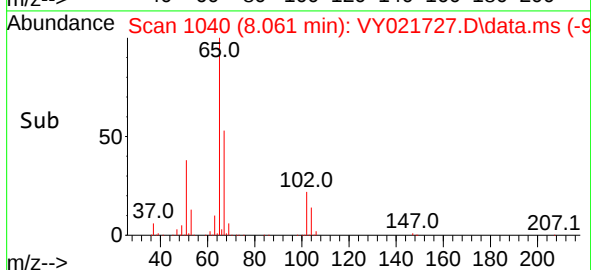
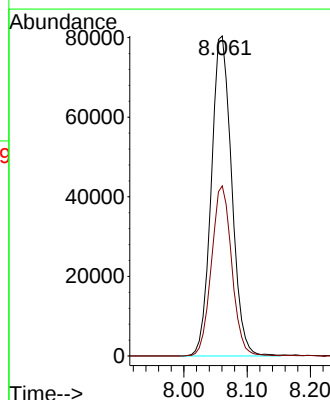
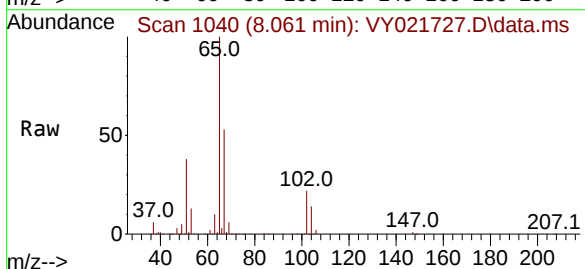
Instrument :
MSVOA_Y
ClientSampleId :
RT5358

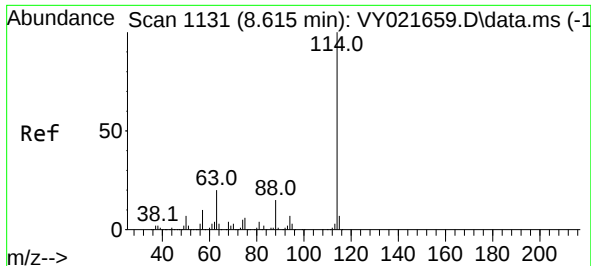
Tgt Ion:168 Resp: 301498
Ion Ratio Lower Upper
168 100
99 58.2 46.7 70.1



#33
1,2-Dichloroethane-d4
Concen: 55.107 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.000 min
Lab File: VY021727.D
Acq: 31 Mar 2025 18:08

Tgt Ion: 65 Resp: 180014
Ion Ratio Lower Upper
65 100
67 52.9 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY021727.D

Acq: 31 Mar 2025 18:08

Instrument :

MSVOA_Y

ClientSampleId :

RT5358

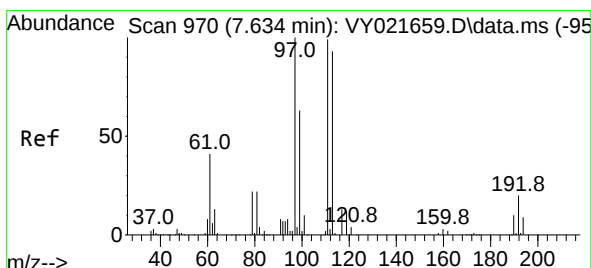
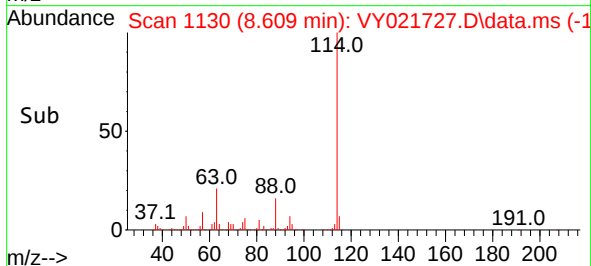
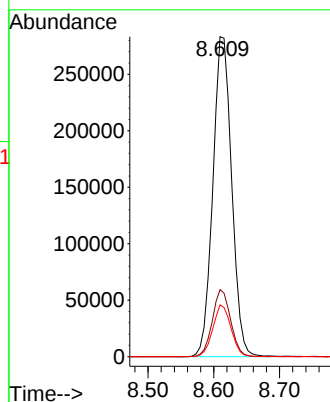
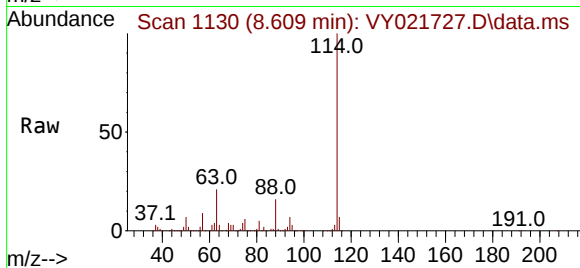
Tgt Ion:114 Resp: 564913

Ion Ratio Lower Upper

114 100

63 21.0 0.0 40.2

88 16.2 0.0 29.8



#35

Dibromofluoromethane

Concen: 52.155 ug/l

RT: 7.634 min Scan# 970

Delta R.T. 0.000 min

Lab File: VY021727.D

Acq: 31 Mar 2025 18:08

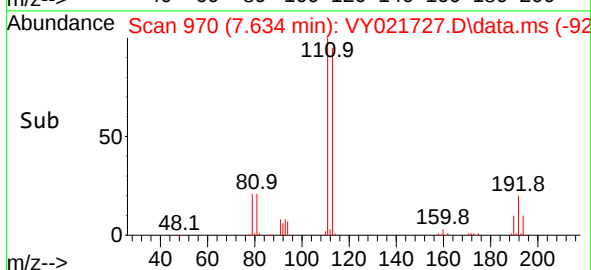
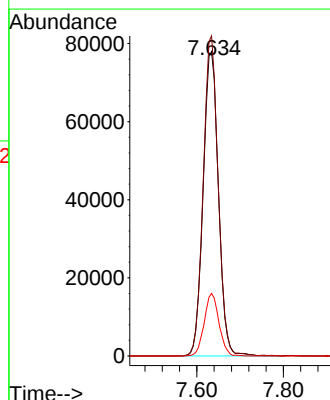
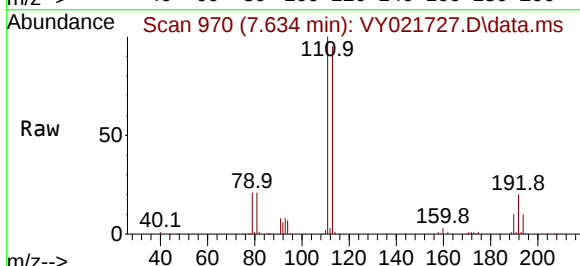
Tgt Ion:113 Resp: 191120

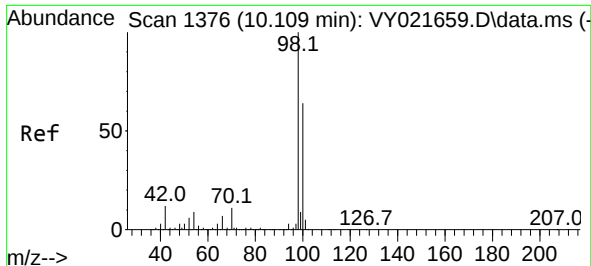
Ion Ratio Lower Upper

113 100

111 102.6 82.6 123.8

192 19.8 16.2 24.4

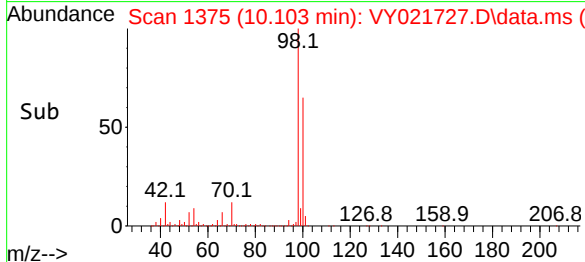
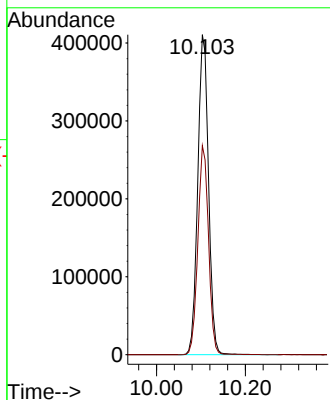
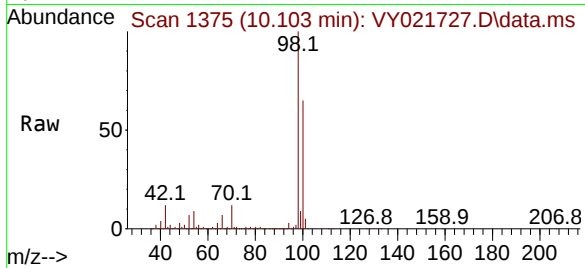




#50
Toluene-d8
Concen: 49.527 ug/l
RT: 10.103 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY021727.D
Acq: 31 Mar 2025 18:08

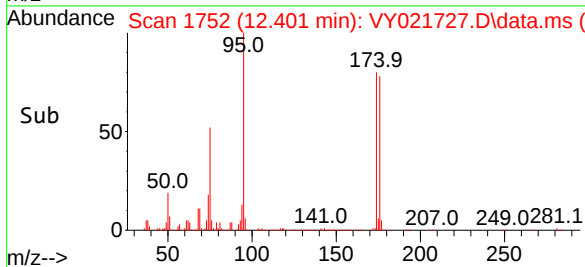
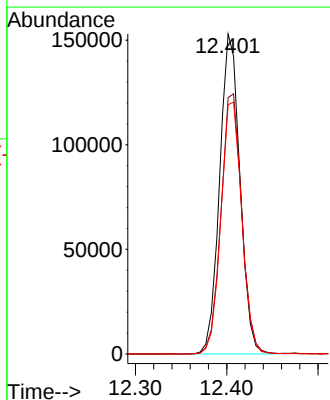
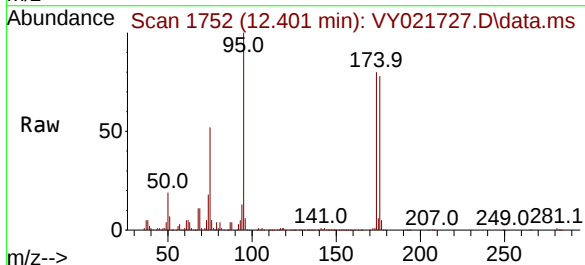
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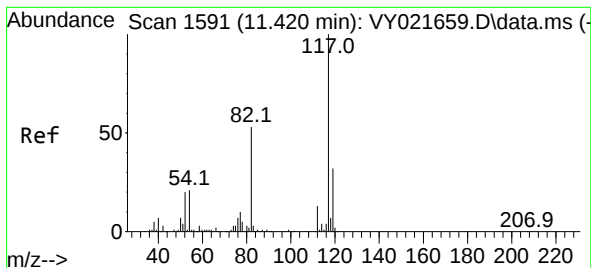
Tgt Ion: 98 Resp: 690448
Ion Ratio Lower Upper
98 100
100 64.8 52.1 78.1



#62
4-Bromofluorobenzene
Concen: 50.150 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY021727.D
Acq: 31 Mar 2025 18:08

Tgt Ion: 95 Resp: 236480
Ion Ratio Lower Upper
95 100
174 83.1 0.0 170.8
176 80.9 0.0 162.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY021727.D

Acq: 31 Mar 2025 18:08

Instrument :

MSVOA_Y

ClientSampleId :

RT5358

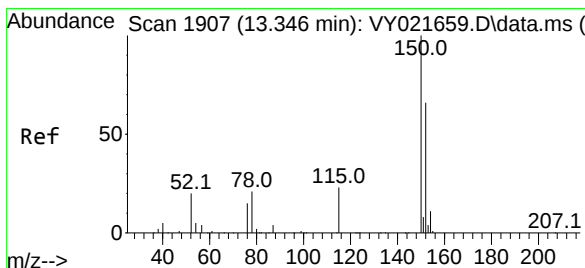
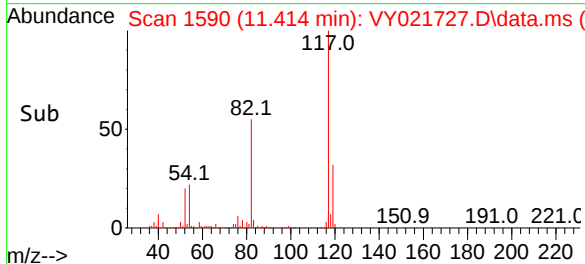
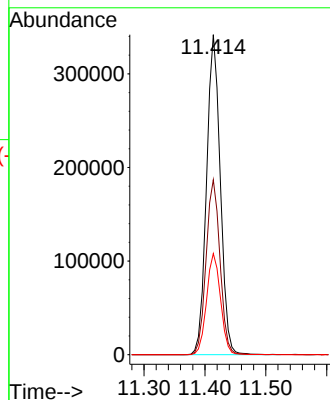
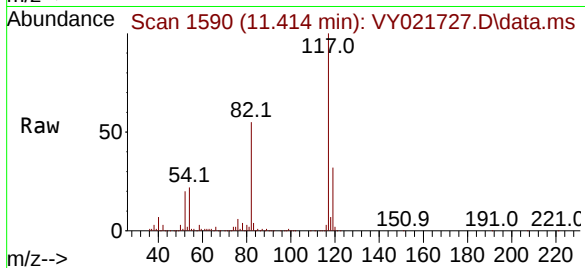
Tgt Ion:117 Resp: 535582

Ion Ratio Lower Upper

117 100

82 54.6 42.8 64.2

119 31.6 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: VY021727.D

Acq: 31 Mar 2025 18:08

Tgt Ion:152 Resp: 231797

Ion Ratio Lower Upper

152 100

115 58.6 28.8 86.5

150 155.9 0.0 348.4

