

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY052225\
 Data File : VY022404.D
 Acq On : 22 May 2025 18:26
 Operator : SY/MD
 Sample : VIBLK
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VIBLK

Quant Time: May 23 03:41:54 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	7.719	168	275688	50.000	ug/l	0.01
34) 1,4-Difluorobenzene	8.622	114	485725	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.426	117	385426	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.352	152	146912	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.073	65	140992	46.794	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	93.580%
35) Dibromofluoromethane	7.646	113	143830	49.612	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	99.220%
50) Toluene-d8	10.115	98	575395	48.461	ug/l	0.01
Spiked Amount	50.000	Range	58 - 134	Recovery	=	96.920%
62) 4-Bromofluorobenzene	12.414	95	149590	39.748	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	79.500%

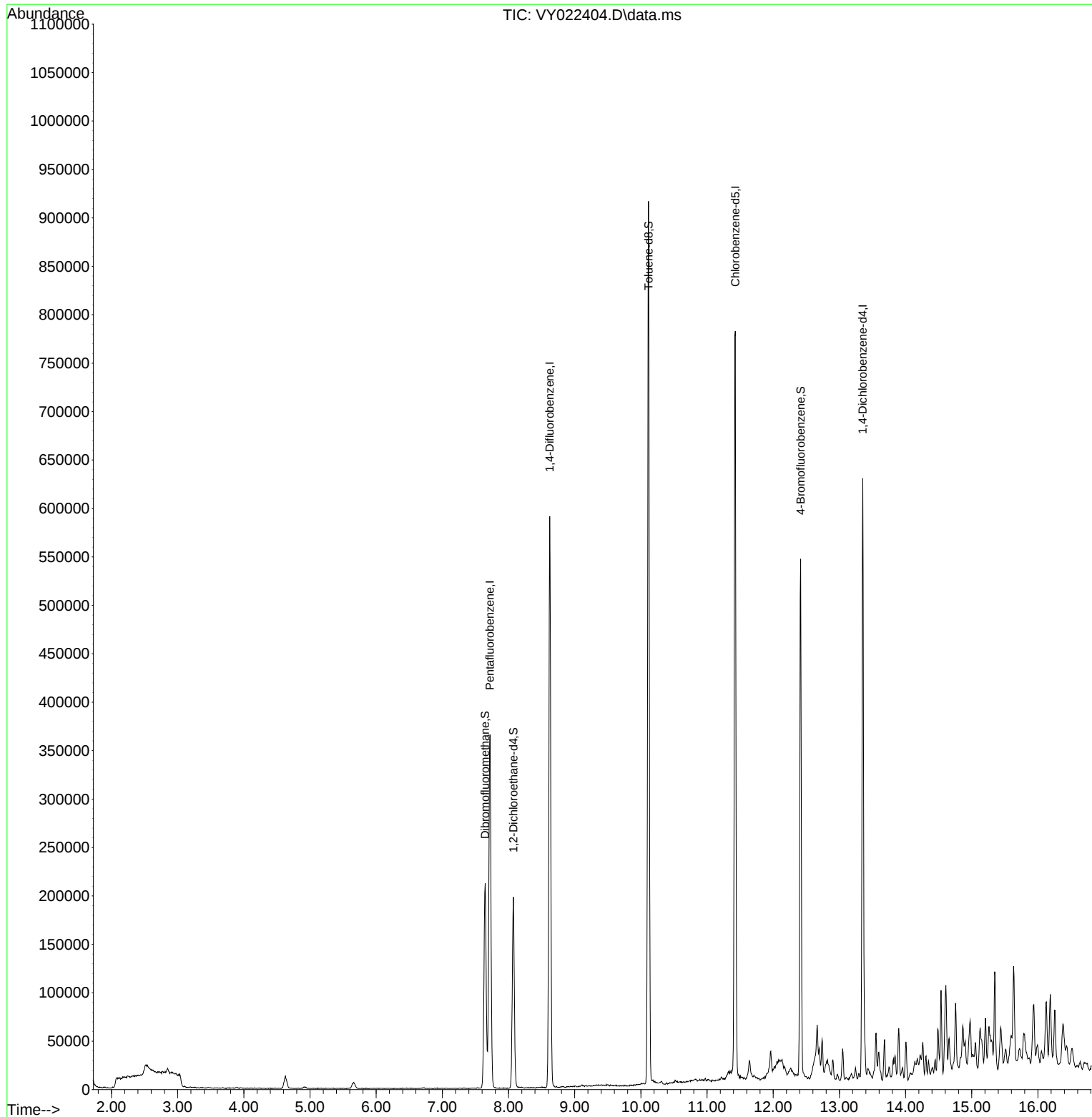
Target Compounds	Qvalue

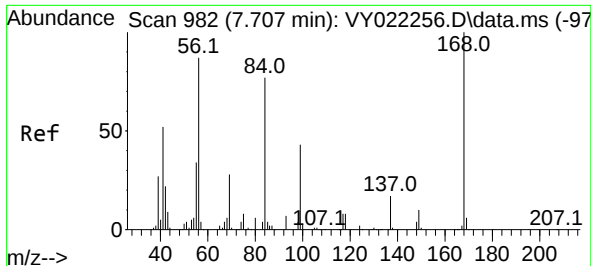
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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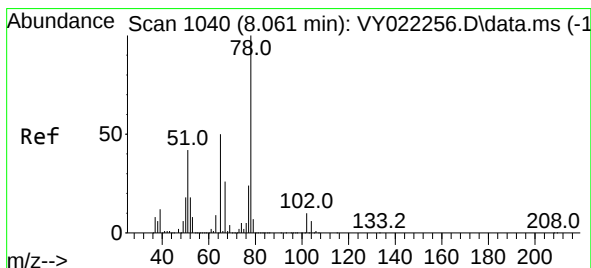
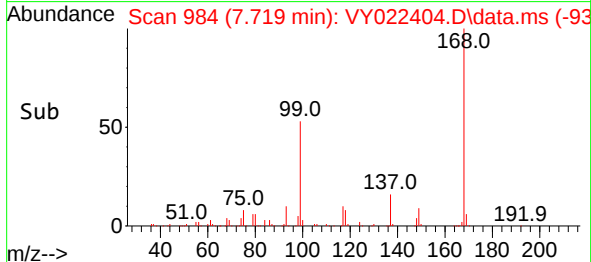
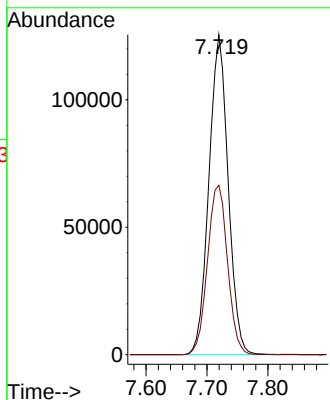
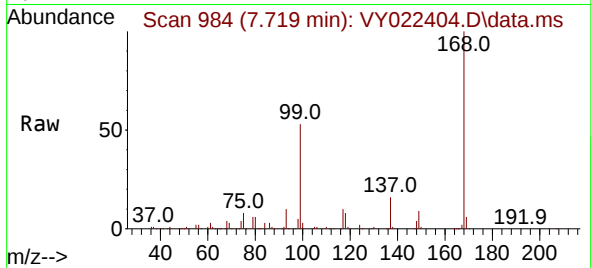




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 91
Delta R.T. 0.012 min
Lab File: VY022404.D
Acq: 22 May 2025 18:26

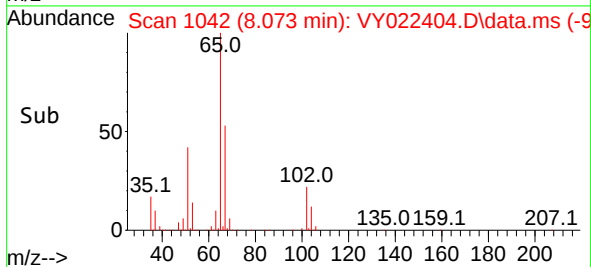
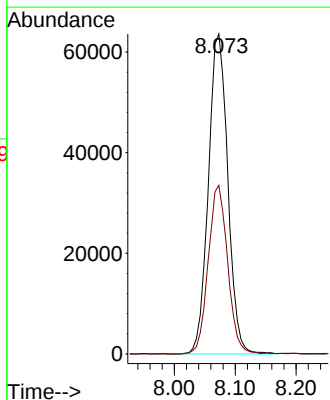
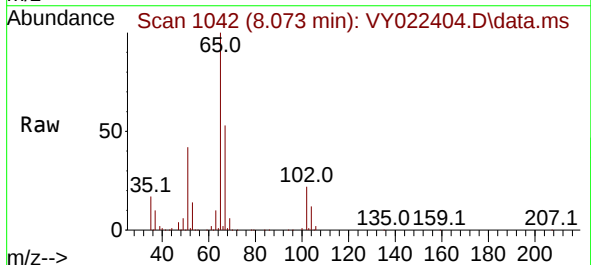
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

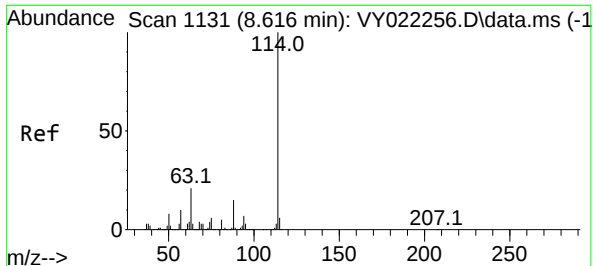
Tgt Ion:168 Resp: 275688
Ion Ratio Lower Upper
168 100
99 52.9 44.2 66.4



#33
1,2-Dichloroethane-d4
Concen: 46.794 ug/l
RT: 8.073 min Scan# 1042
Delta R.T. 0.012 min
Lab File: VY022404.D
Acq: 22 May 2025 18:26

Tgt Ion: 65 Resp: 140992
Ion Ratio Lower Upper
65 100
67 52.6 0.0 104.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1132

Delta R.T. 0.006 min

Lab File: VY022404.D

Acq: 22 May 2025 18:26

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

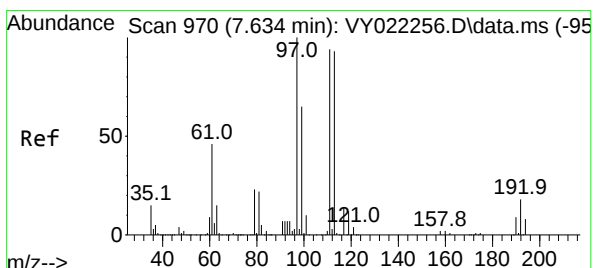
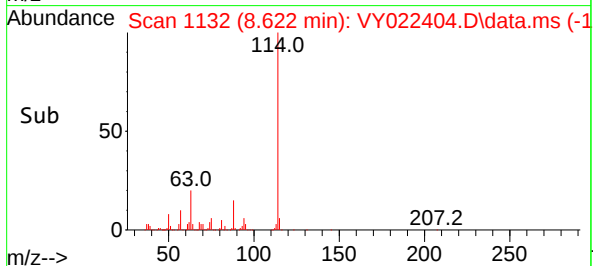
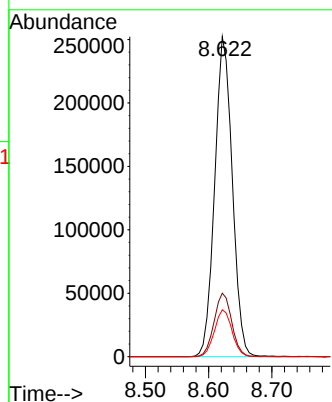
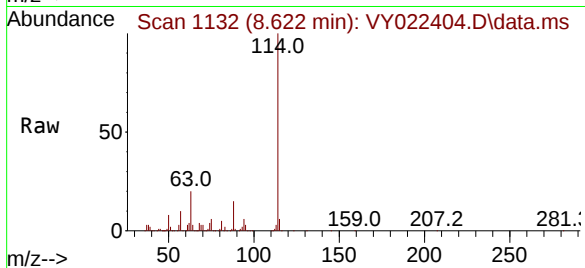
Tgt Ion:114 Resp: 485725

Ion Ratio Lower Upper

114 100

63 19.9 0.0 41.0

88 14.7 0.0 29.4



#35

Dibromofluoromethane

Concen: 49.612 ug/l

RT: 7.646 min Scan# 972

Delta R.T. 0.012 min

Lab File: VY022404.D

Acq: 22 May 2025 18:26

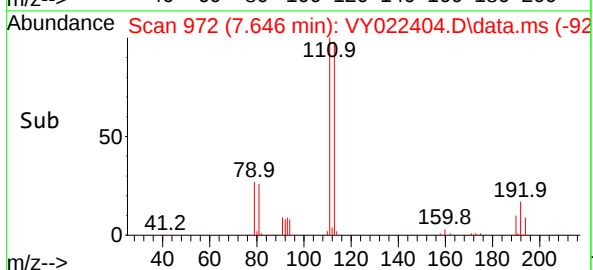
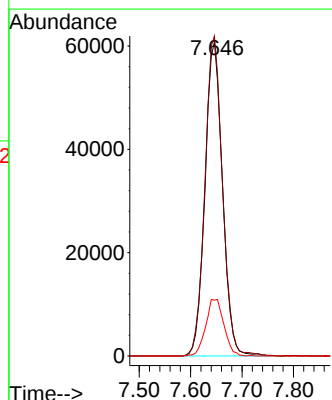
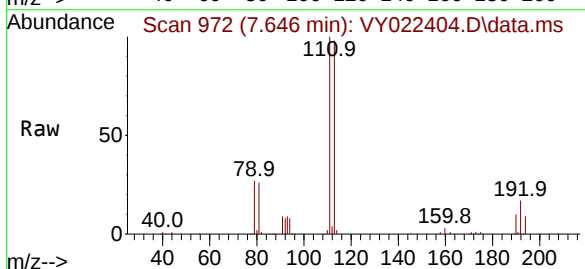
Tgt Ion:113 Resp: 143830

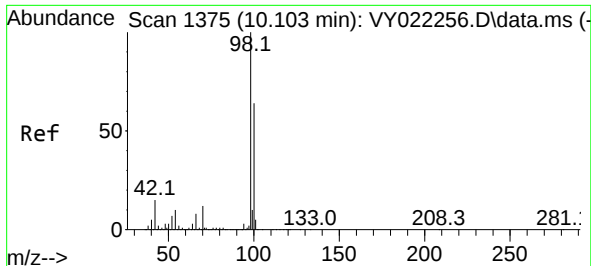
Ion Ratio Lower Upper

113 100

111 102.3 82.6 123.8

192 18.8 15.2 22.8

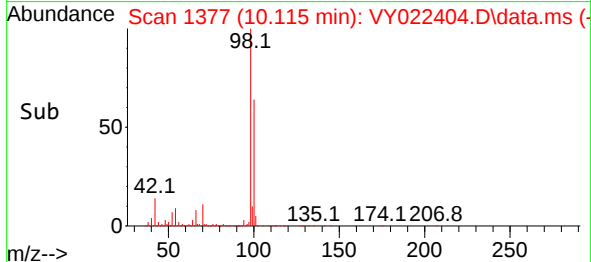
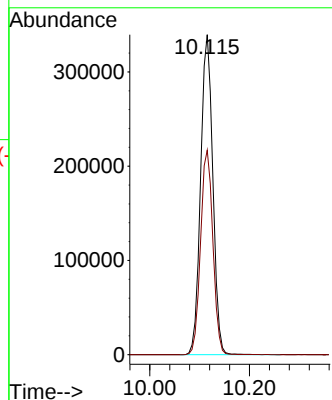
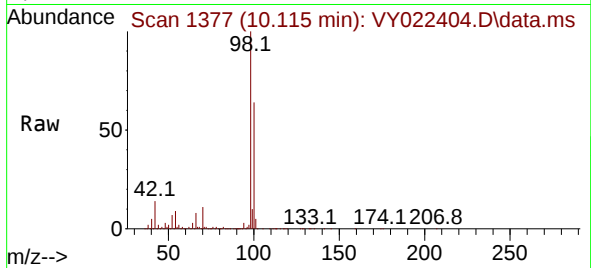




#50
Toluene-d8
Concen: 48.461 ug/l
RT: 10.115 min Scan# 1377
Delta R.T. 0.012 min
Lab File: VY022404.D
Acq: 22 May 2025 18:26

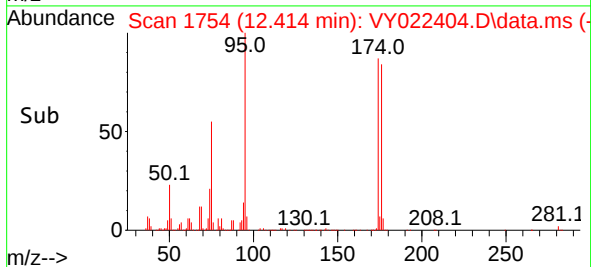
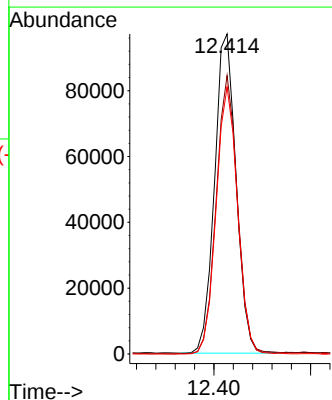
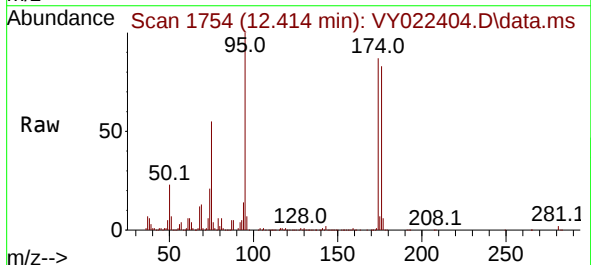
Instrument :
MSVOA_Y
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VIBLK

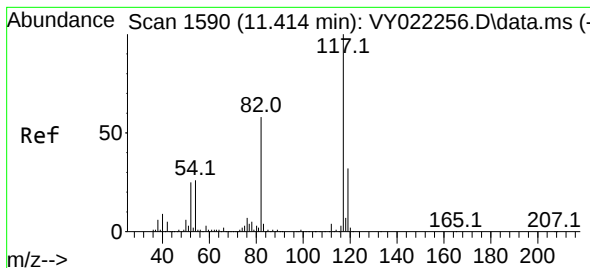
Tgt Ion: 98 Resp: 575395
Ion Ratio Lower Upper
98 100
100 64.4 51.8 77.8



#62
4-Bromofluorobenzene
Concen: 39.748 ug/l
RT: 12.414 min Scan# 1754
Delta R.T. 0.006 min
Lab File: VY022404.D
Acq: 22 May 2025 18:26

Tgt Ion: 95 Resp: 149590
Ion Ratio Lower Upper
95 100
174 86.7 0.0 166.8
176 83.2 0.0 160.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.426 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY022404.D

Acq: 22 May 2025 18:26

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

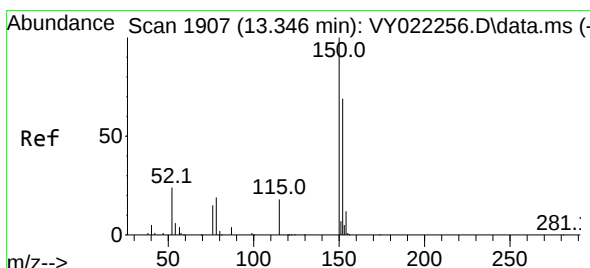
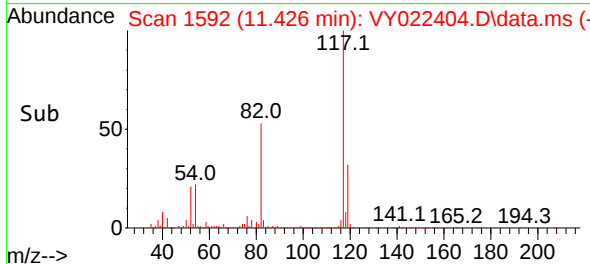
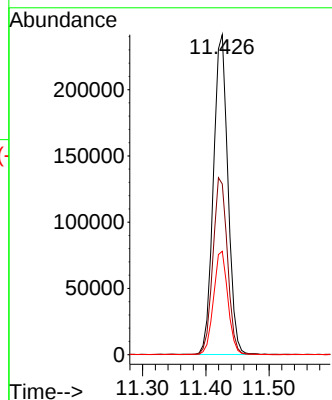
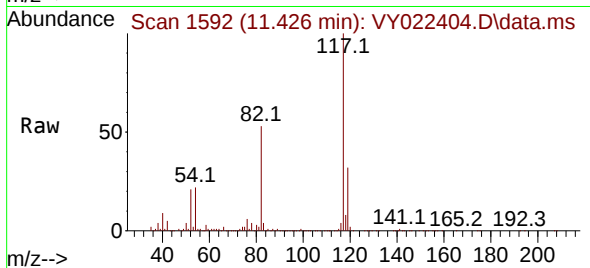
Tgt Ion:117 Resp: 385426

Ion Ratio Lower Upper

117 100

82 53.4 46.6 70.0

119 32.3 25.8 38.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.352 min Scan# 1908

Delta R.T. 0.006 min

Lab File: VY022404.D

Acq: 22 May 2025 18:26

Tgt Ion:152 Resp: 146912

Ion Ratio Lower Upper

152 100

115 56.6 29.4 88.2

150 158.3 0.0 353.8

