

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060525\
 Data File : VY022584.D
 Acq On : 05 Jun 2025 19:05
 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: Jun 06 01:29:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y060225S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 03 03:22:04 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	575147	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	1068250	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	897850	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	355846	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.054	65	329068	51.156	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	102.320%
35) Dibromofluoromethane	7.628	113	319483	50.106	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.220%
50) Toluene-d8	10.103	98	1320838	51.267	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	102.540%
62) 4-Bromofluorobenzene	12.401	95	347659	45.290	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	90.580%

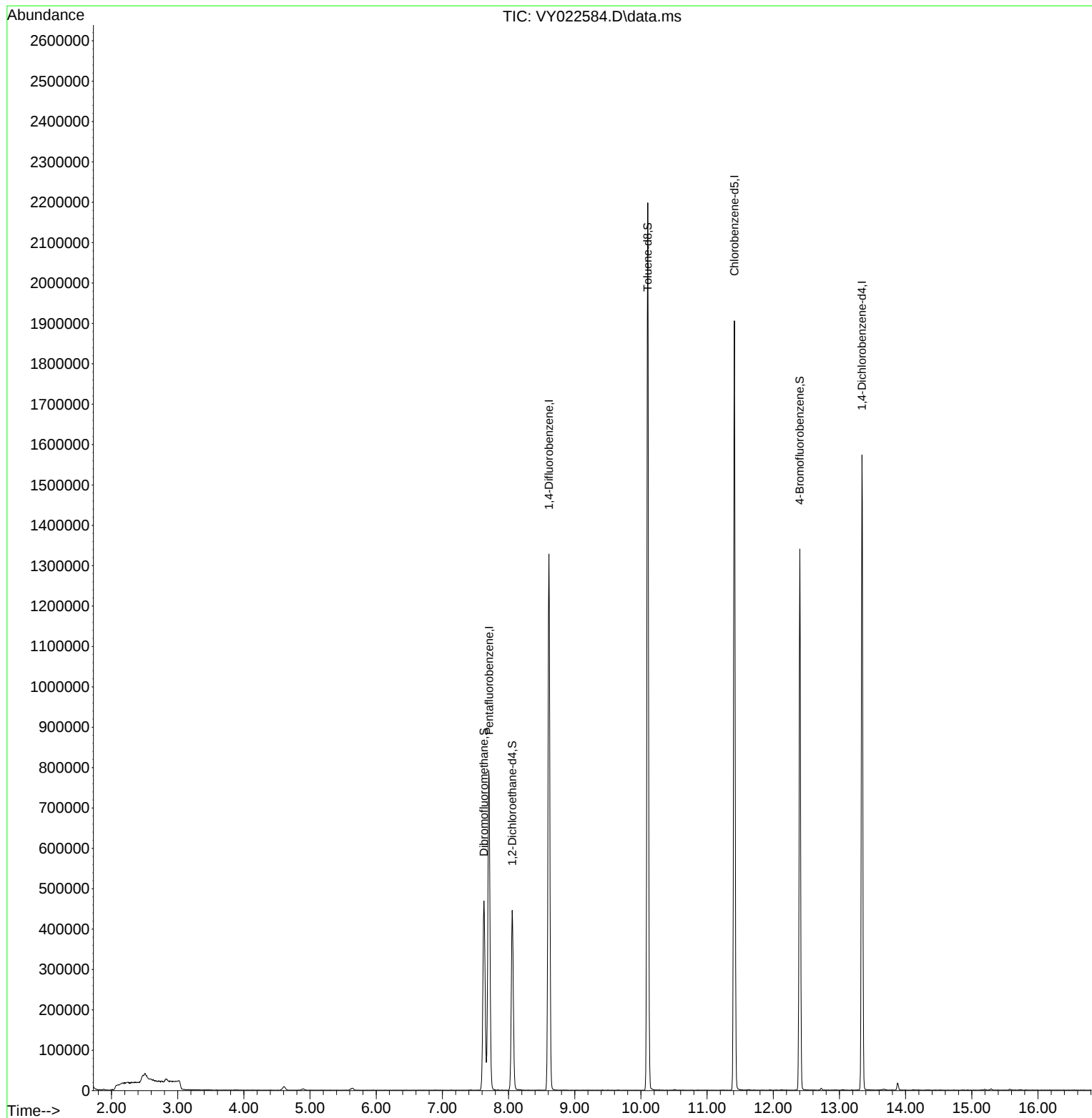
Target Compounds	Qvalue

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

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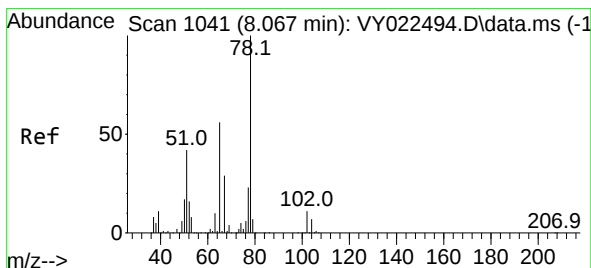
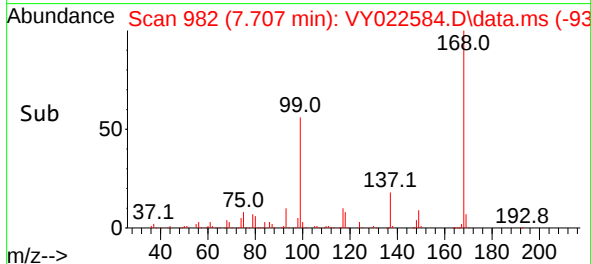
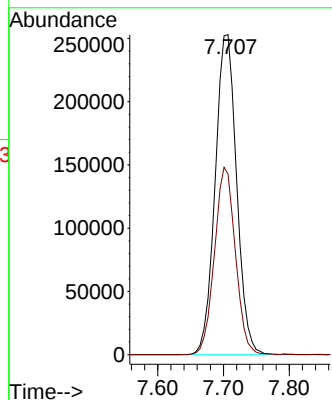
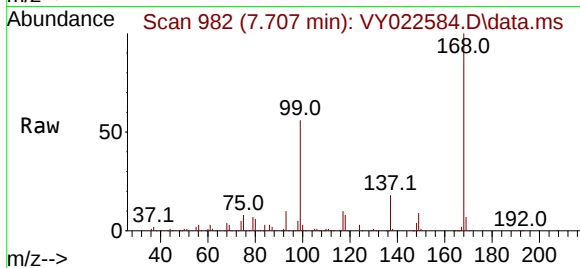




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022584.D
Acq: 05 Jun 2025 19:05

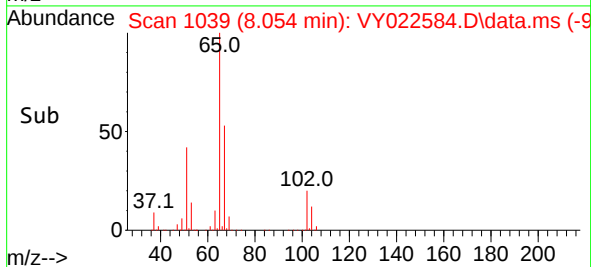
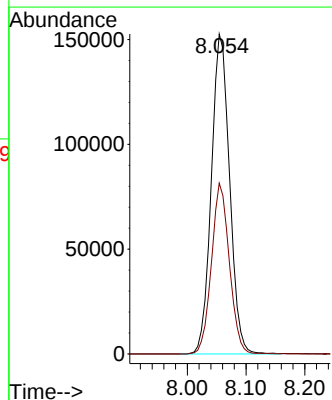
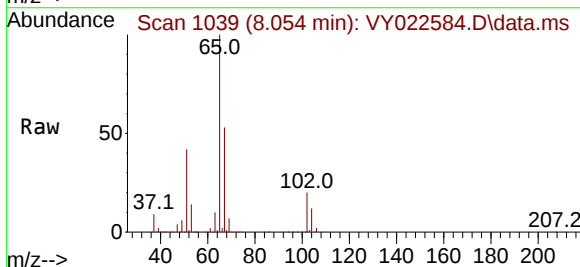
Instrument :
MSVOA_Y
ClientSampleId :
VIBLK

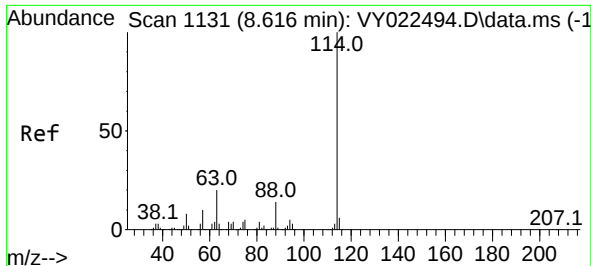
Tgt Ion:168 Resp: 575147
Ion Ratio Lower Upper
168 100
99 56.4 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 51.156 ug/l
RT: 8.054 min Scan# 1039
Delta R.T. -0.013 min
Lab File: VY022584.D
Acq: 05 Jun 2025 19:05

Tgt Ion: 65 Resp: 329068
Ion Ratio Lower Upper
65 100
67 52.4 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.609 min Scan# 1130

Delta R.T. -0.007 min

Lab File: VY022584.D

Acq: 05 Jun 2025 19:05

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

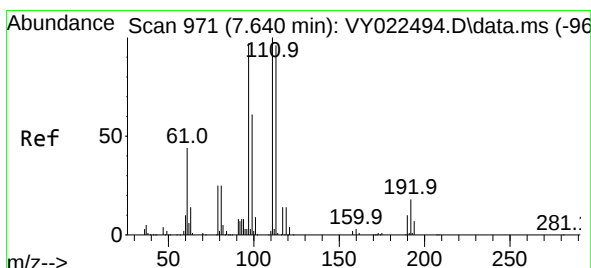
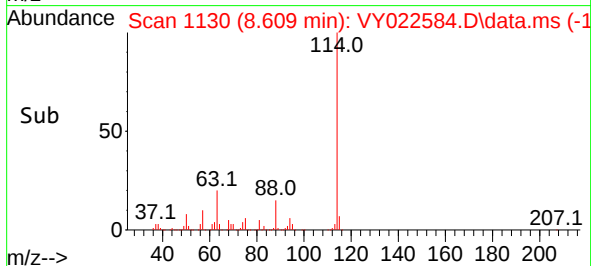
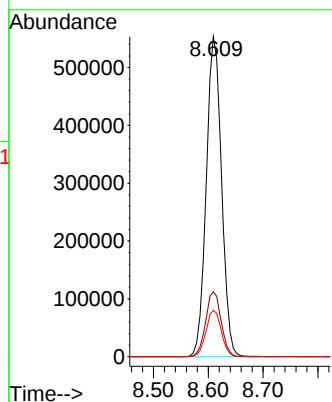
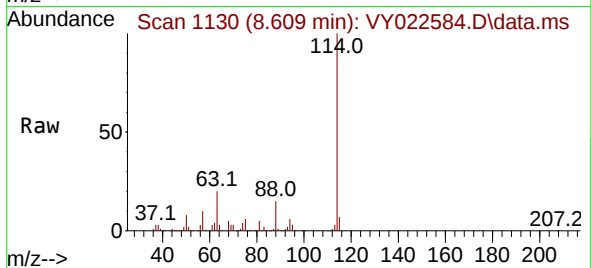
Tgt Ion:114 Resp: 1068250

Ion Ratio Lower Upper

114 100

63 20.3 0.0 40.8

88 14.5 0.0 27.8



#35

Dibromofluoromethane

Concen: 50.106 ug/l

RT: 7.628 min Scan# 969

Delta R.T. -0.013 min

Lab File: VY022584.D

Acq: 05 Jun 2025 19:05

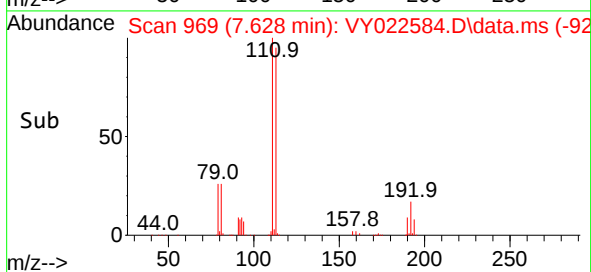
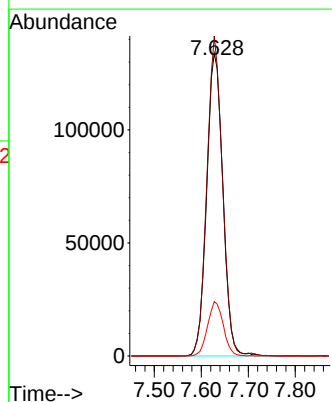
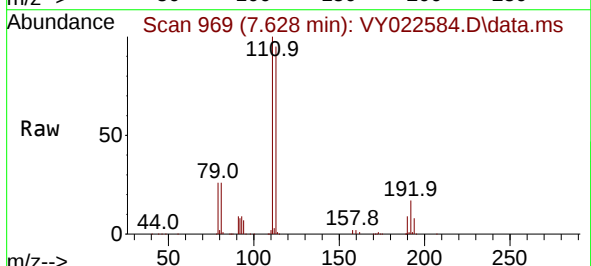
Tgt Ion:113 Resp: 319483

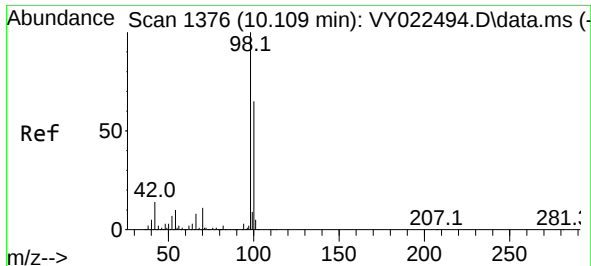
Ion Ratio Lower Upper

113 100

111 101.7 81.1 121.7

192 17.5 14.2 21.2

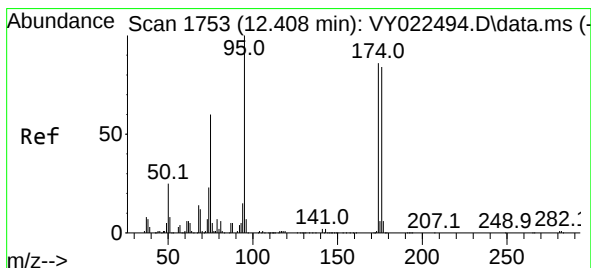
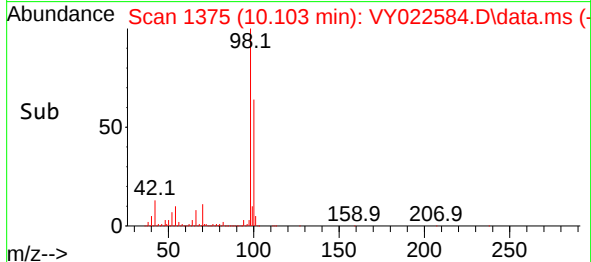
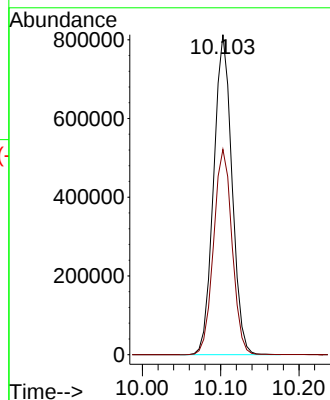
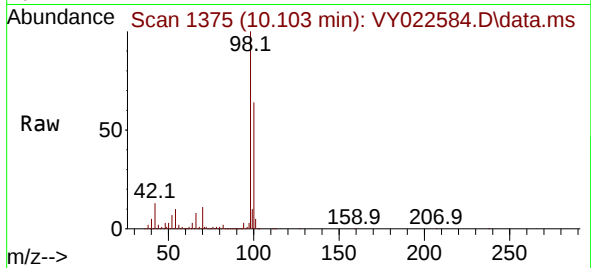




#50
Toluene-d8
Concen: 51.267 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.007 min
Lab File: VY022584.D
Acq: 05 Jun 2025 19:05

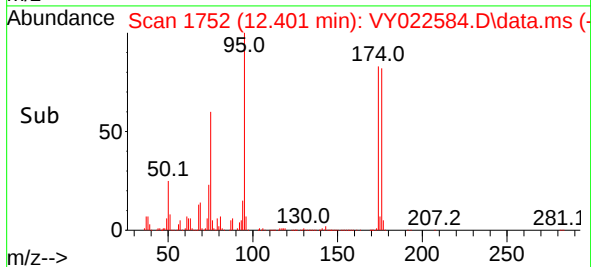
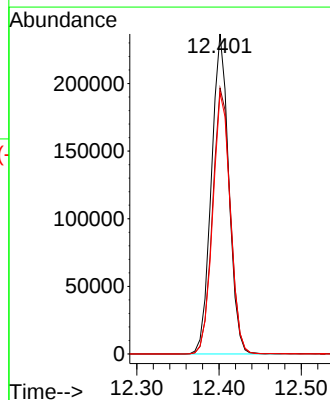
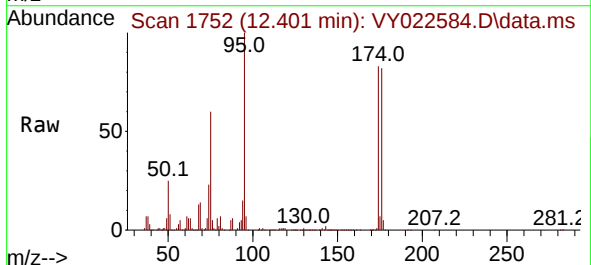
Instrument :
MSVOA_Y
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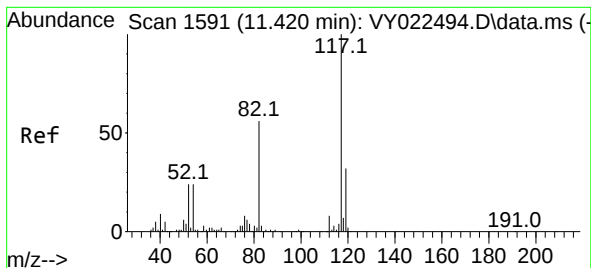
Tgt Ion: 98 Resp: 1320838
Ion Ratio Lower Upper
98 100
100 64.7 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 45.290 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.007 min
Lab File: VY022584.D
Acq: 05 Jun 2025 19:05

Tgt Ion: 95 Resp: 347659
Ion Ratio Lower Upper
95 100
174 84.8 0.0 170.0
176 82.4 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 117

Delta R.T. -0.007 min

Lab File: VY022584.D

Acq: 05 Jun 2025 19:05

Instrument :

MSVOA_Y

ClientSampleId :

VIBLK

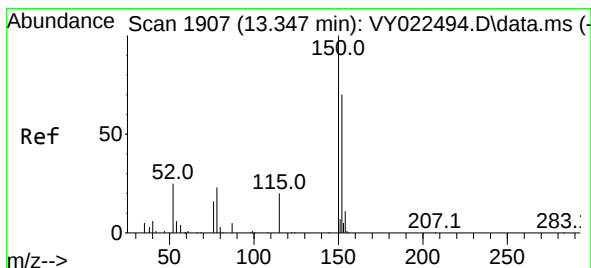
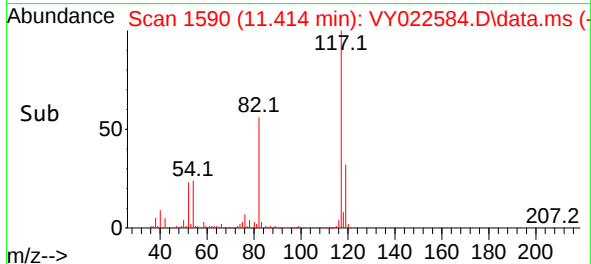
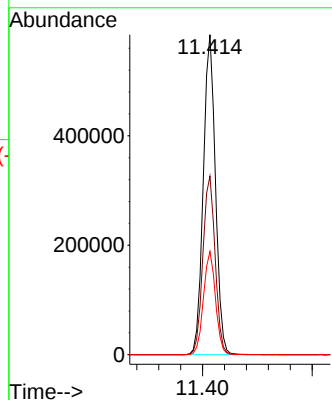
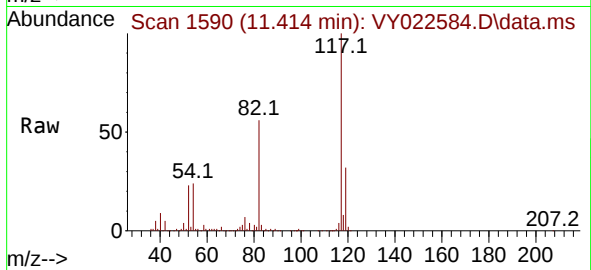
Tgt Ion:117 Resp: 897850

Ion Ratio Lower Upper

117 100

82 55.8 44.6 66.8

119 32.3 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. -0.007 min

Lab File: VY022584.D

Acq: 05 Jun 2025 19:05

Tgt Ion:152 Resp: 355846

Ion Ratio Lower Upper

152 100

115 57.2 28.9 86.7

150 157.0 0.0 349.6

