

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY060925\
 Data File : VY022625.D
 Acq On : 09 Jun 2025 13:13
 Operator : SY/MD
 Sample : Q2223-03
 Misc : 5.25g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-04-06042025

Quant Time: Jun 10 01:28:26 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	7.719	168	9216	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.622	114	16041	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	12637	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	2892	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	5996	58.171	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	116.340%
35) Dibromofluoromethane	7.634	113	3385	35.354	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	70.700%
50) Toluene-d8	10.109	98	18773	48.525	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	97.040%
62) 4-Bromofluorobenzene	12.408	95	4447	38.579	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	77.160%

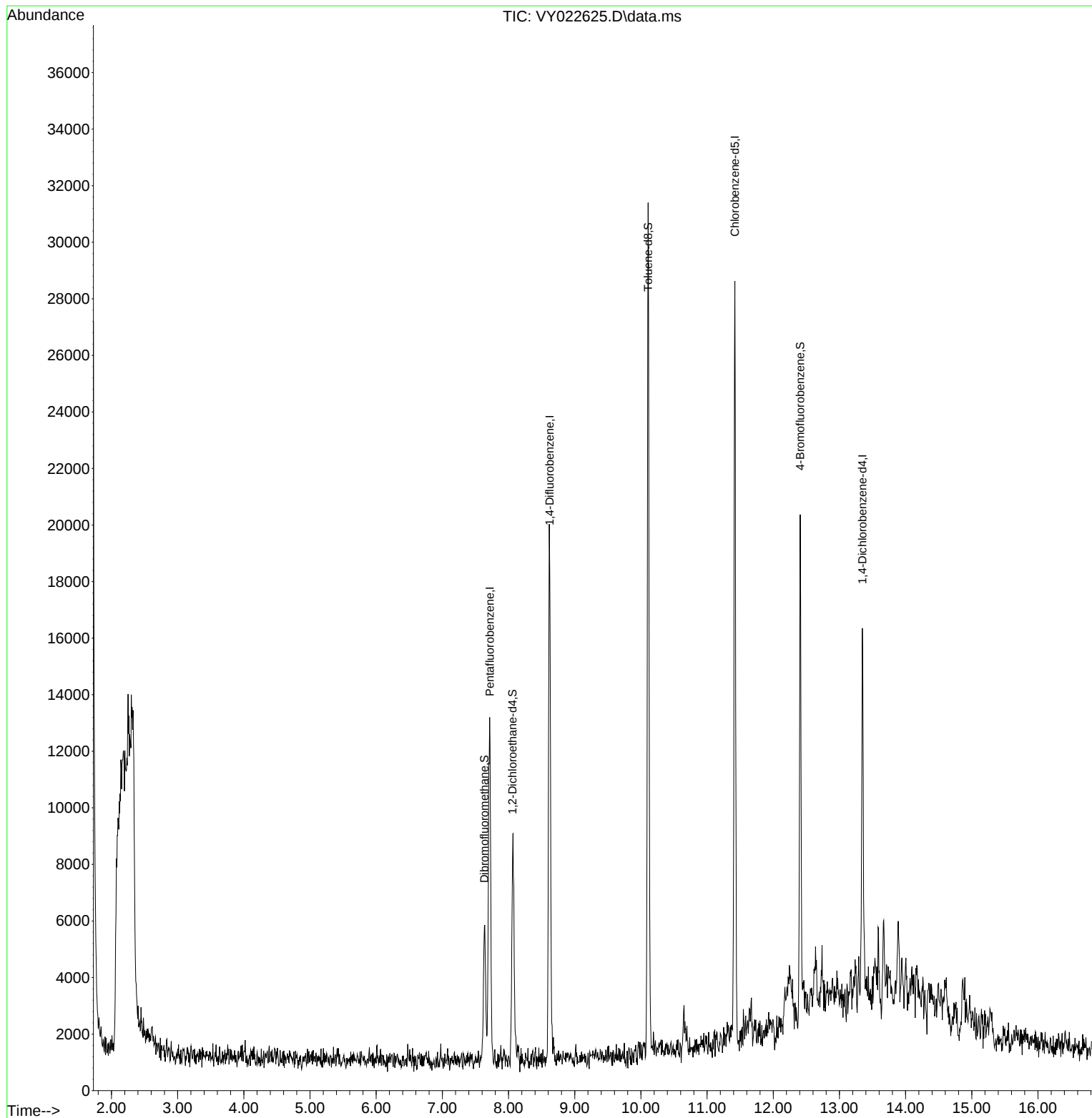
Target Compounds	Qvalue

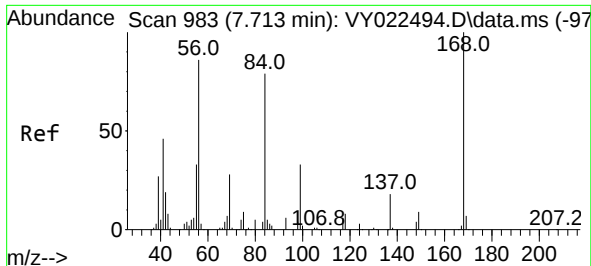
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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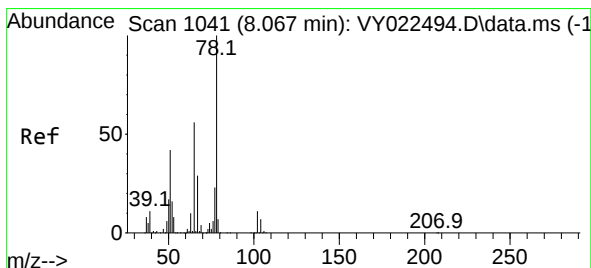
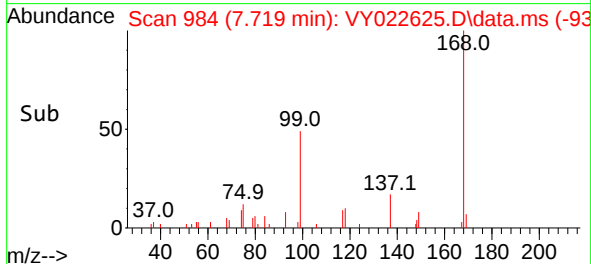
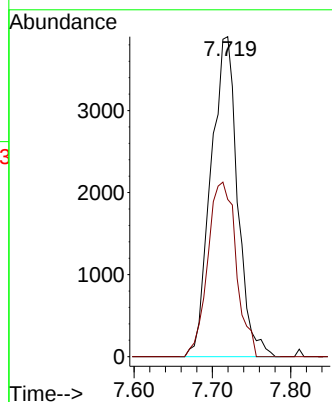
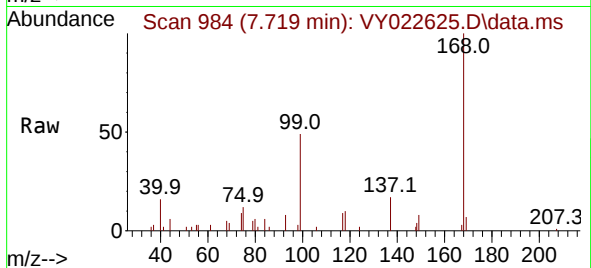




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.719 min Scan# 91
Delta R.T. 0.006 min
Lab File: VY022625.D
Acq: 09 Jun 2025 13:13

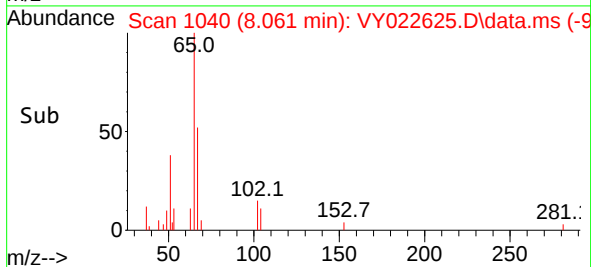
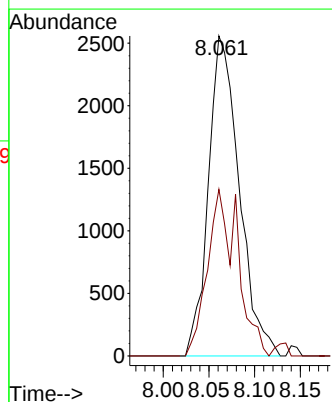
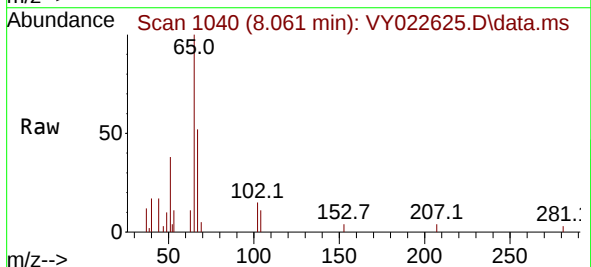
Instrument :
MSVOA_Y
ClientSampleId :
HR-04-06042025

Tgt Ion:168 Resp: 9216
Ion Ratio Lower Upper
168 100
99 49.1 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 58.171 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022625.D
Acq: 09 Jun 2025 13:13

Tgt Ion: 65 Resp: 5996
Ion Ratio Lower Upper
65 100
67 51.0 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.622 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY022625.D

Acq: 09 Jun 2025 13:13

Instrument :

MSVOA_Y

ClientSampleId :

HR-04-06042025

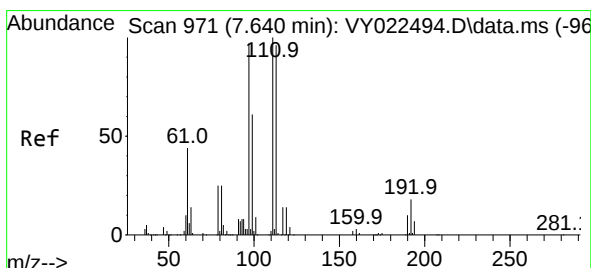
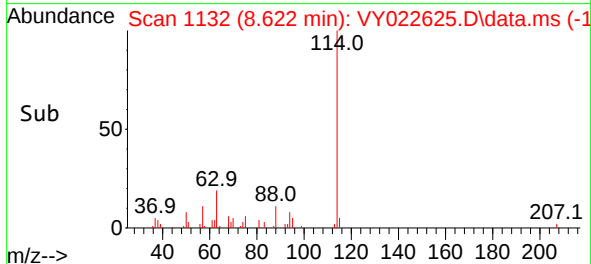
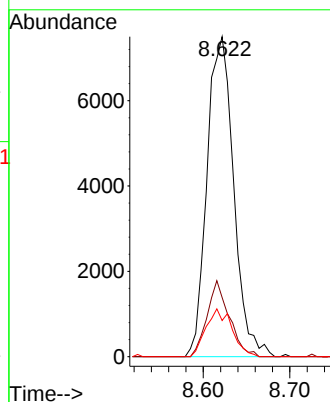
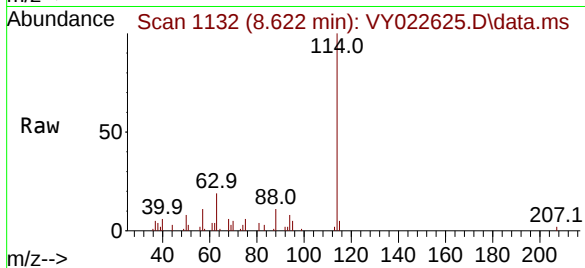
Tgt Ion:114 Resp: 16041

Ion Ratio Lower Upper

114 100

63 18.5 0.0 40.8

88 11.3 0.0 27.8



#35

Dibromofluoromethane

Concen: 35.354 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.006 min

Lab File: VY022625.D

Acq: 09 Jun 2025 13:13

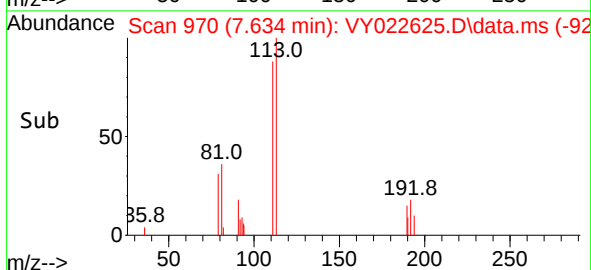
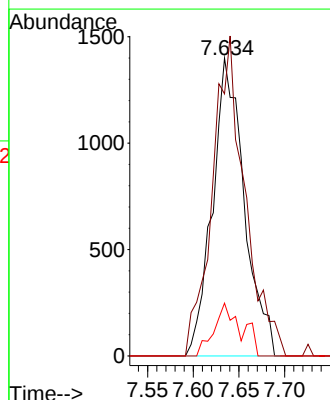
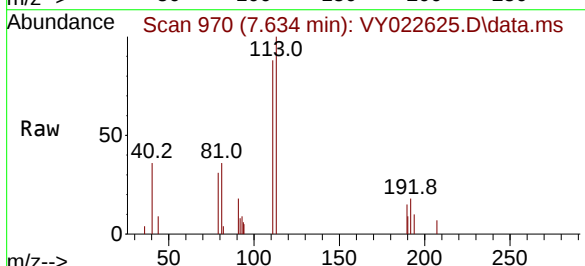
Tgt Ion:113 Resp: 3385

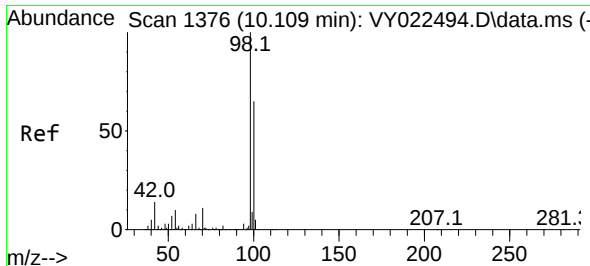
Ion Ratio Lower Upper

113 100

111 110.2 81.1 121.7

192 15.1 14.2 21.2

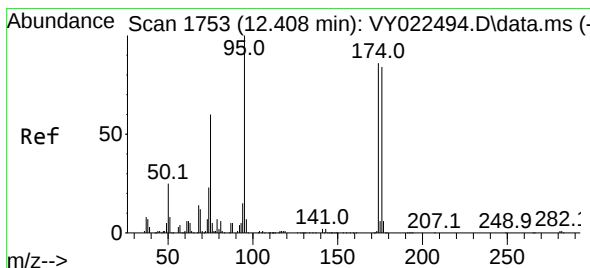
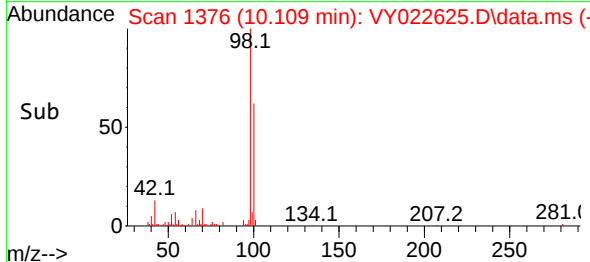
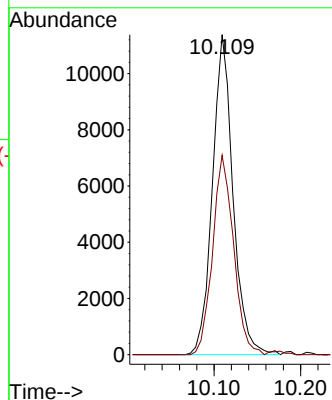
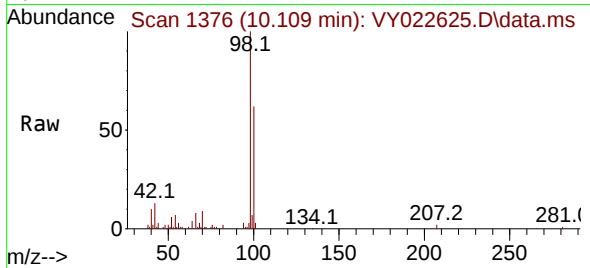




#50
Toluene-d8
Concen: 48.525 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. -0.000 min
Lab File: VY022625.D
Acq: 09 Jun 2025 13:13

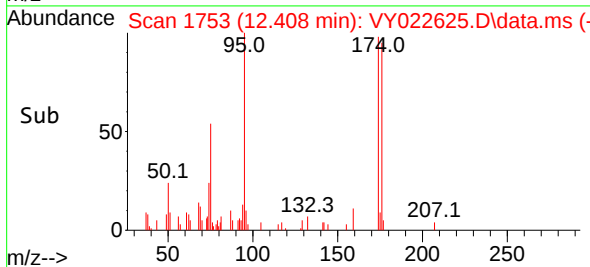
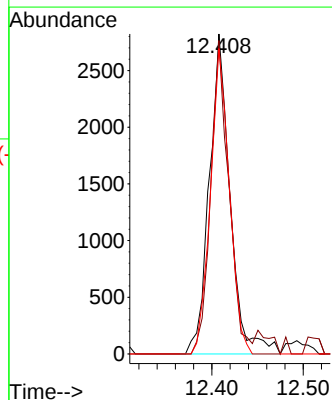
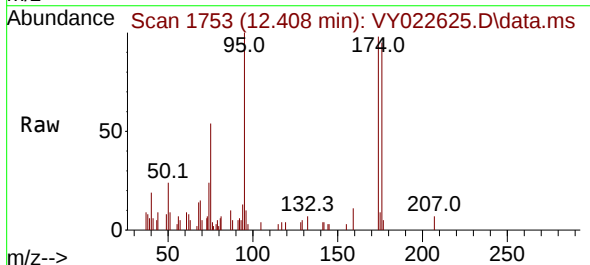
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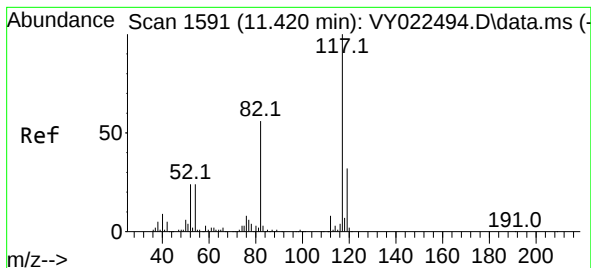
Tgt Ion: 98 Resp: 18773
Ion Ratio Lower Upper
98 100
100 63.5 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 38.579 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022625.D
Acq: 09 Jun 2025 13:13

Tgt Ion: 95 Resp: 4447
Ion Ratio Lower Upper
95 100
174 86.2 0.0 170.0
176 87.3 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 1591

Delta R.T. -0.000 min

Lab File: VY022625.D

Acq: 09 Jun 2025 13:13

Instrument :

MSVOA_Y

ClientSampleId :

HR-04-06042025

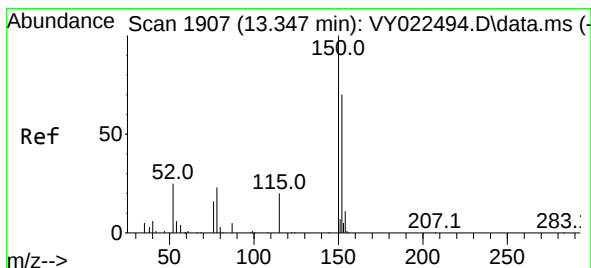
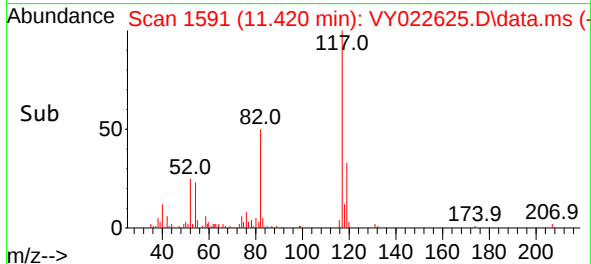
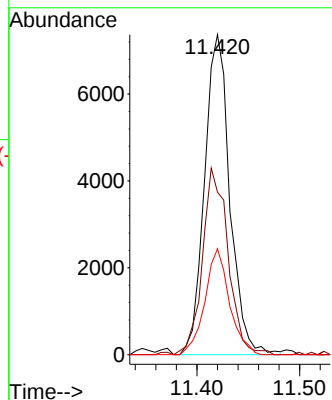
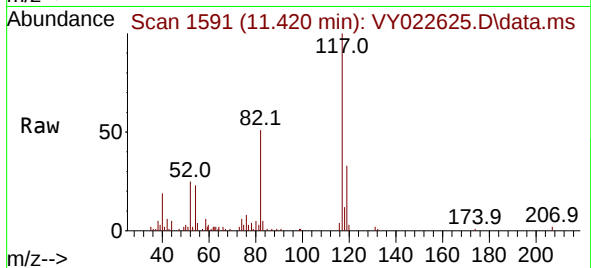
Tgt Ion:117 Resp: 12637

Ion Ratio Lower Upper

117 100

82 50.8 44.6 66.8

119 33.1 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022625.D

Acq: 09 Jun 2025 13:13

Tgt Ion:152 Resp: 2892

Ion Ratio Lower Upper

152 100

115 70.0 28.9 86.7

150 156.3 0.0 349.6

