

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091125\
 Data File : VY023337.D
 Acq On : 11 Sep 2025 09:38
 Operator : SY/MD
 Sample : VY0911SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0911SBL01

Quant Time: Sep 12 01:22:13 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 10 01:44:33 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.713	168	581656	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1110395	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1024625	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.347	152	423251	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	301920	59.071	ug/l	0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	=	118.140%
35) Dibromofluoromethane	7.640	113	364929	53.765	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	107.540%
50) Toluene-d8	10.109	98	1322232	51.590	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	103.180%
62) 4-Bromofluorobenzene	12.408	95	392745	48.694	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	97.380%

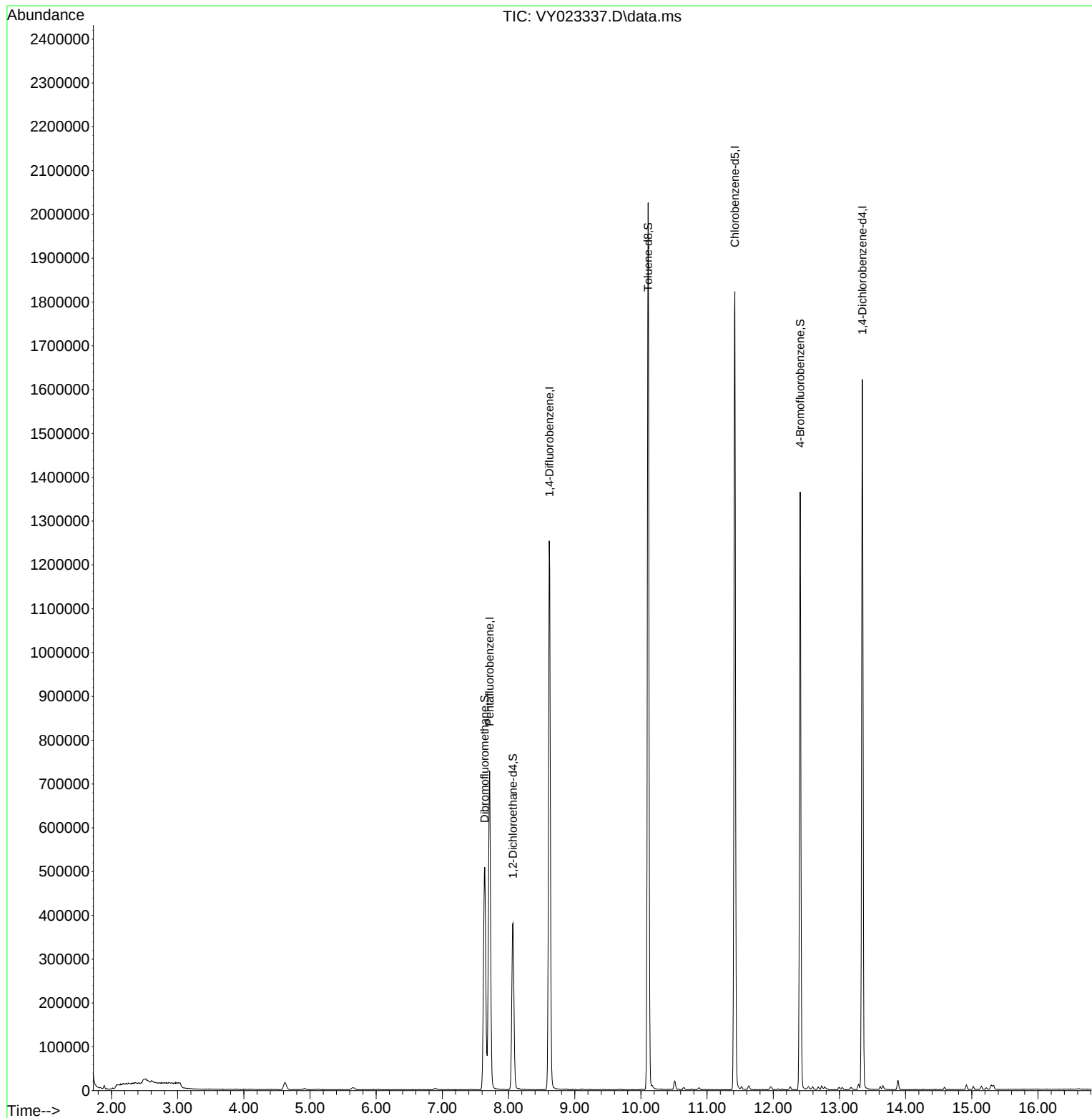
Target Compounds	Qvalue

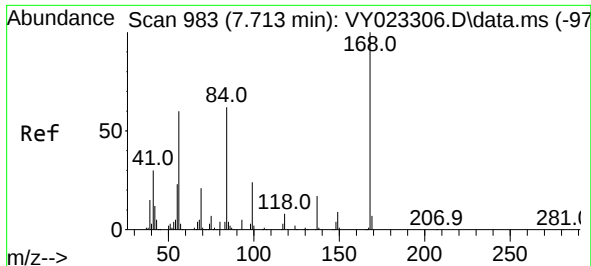
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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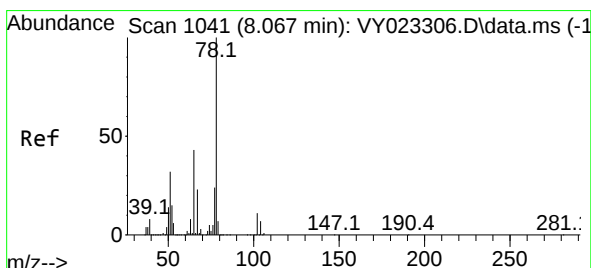
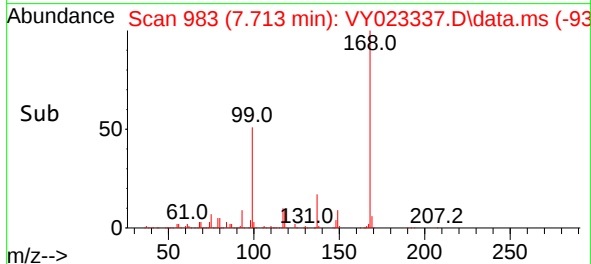
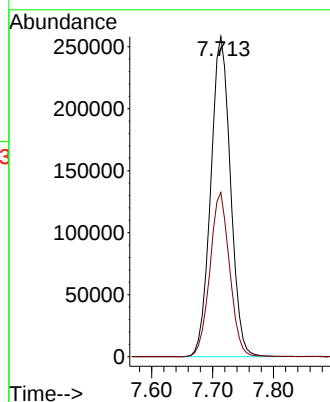
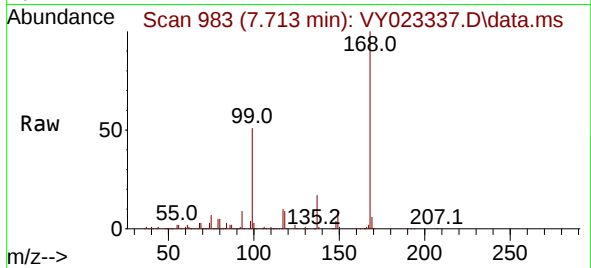




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 983
Delta R.T. 0.006 min
Lab File: VY023337.D
Acq: 11 Sep 2025 09:38

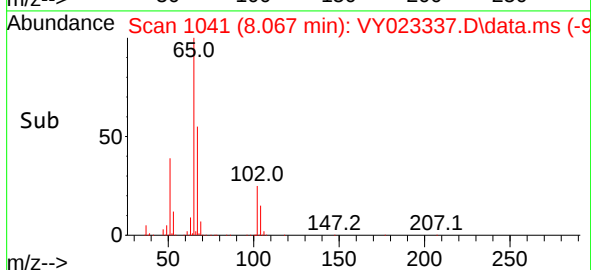
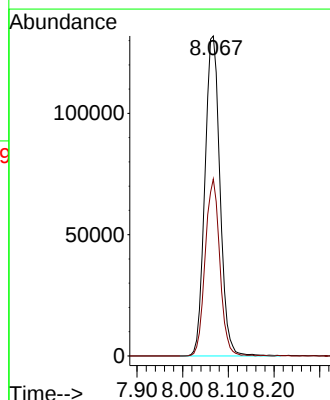
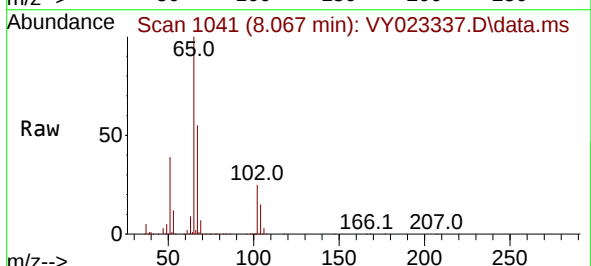
Instrument :
MSVOA_Y
ClientSampleId :
VY0911SBL01

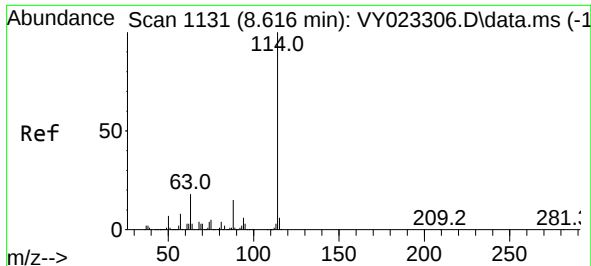
Tgt Ion:168 Resp: 581656
Ion Ratio Lower Upper
168 100
99 51.3 42.8 64.2



#33
1,2-Dichloroethane-d4
Concen: 59.071 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.012 min
Lab File: VY023337.D
Acq: 11 Sep 2025 09:38

Tgt Ion: 65 Resp: 301920
Ion Ratio Lower Upper
65 100
67 53.6 0.0 106.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. 0.006 min

Lab File: VY023337.D

Acq: 11 Sep 2025 09:38

Instrument :

MSVOA_Y

ClientSampleId :

VY0911SBL01

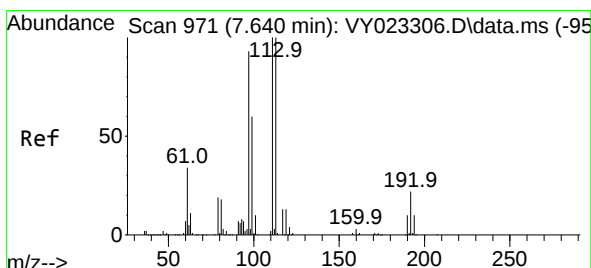
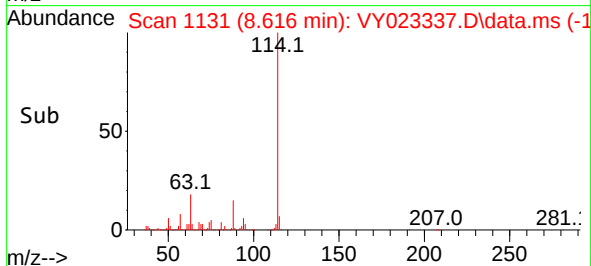
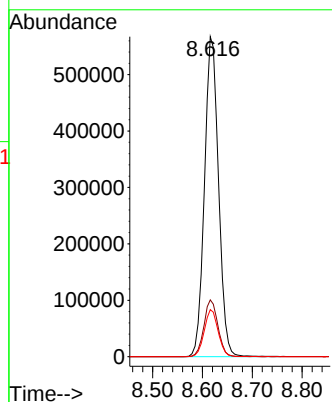
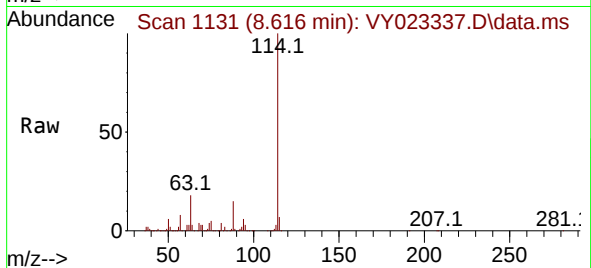
Tgt Ion:114 Resp: 1110395

Ion Ratio Lower Upper

114 100

63 17.8 0.0 38.4

88 14.7 0.0 30.0



#35

Dibromofluoromethane

Concen: 53.765 ug/l

RT: 7.640 min Scan# 971

Delta R.T. 0.012 min

Lab File: VY023337.D

Acq: 11 Sep 2025 09:38

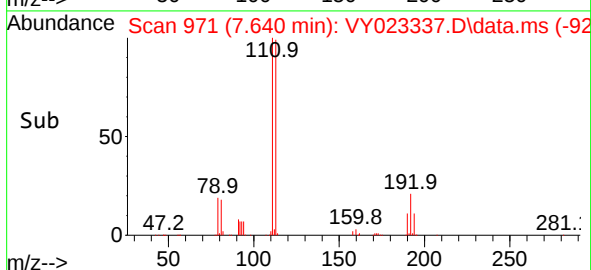
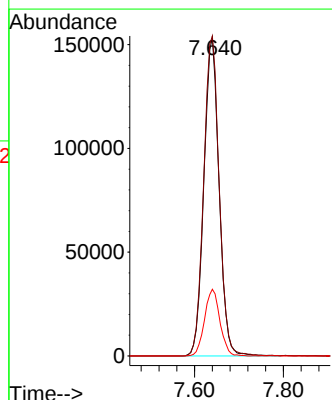
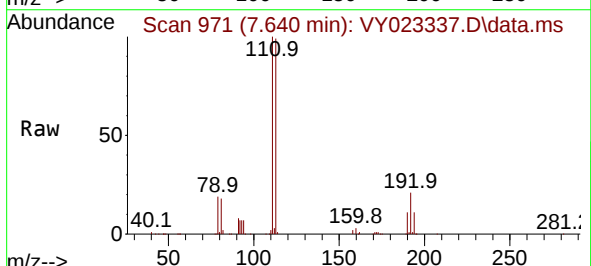
Tgt Ion:113 Resp: 364929

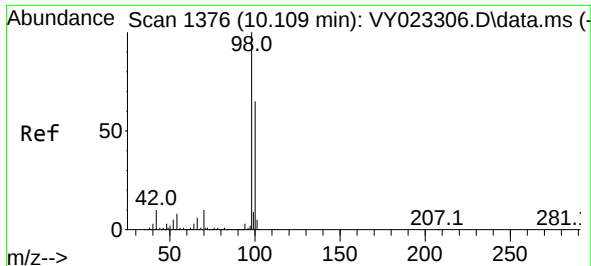
Ion Ratio Lower Upper

113 100

111 102.6 81.1 121.7

192 21.2 16.2 24.4

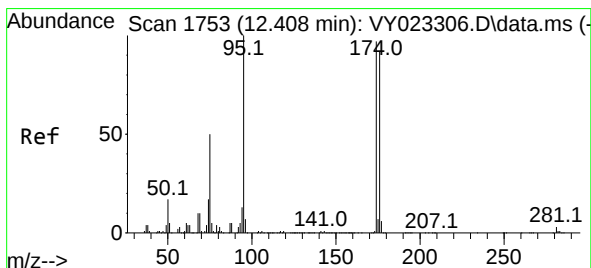
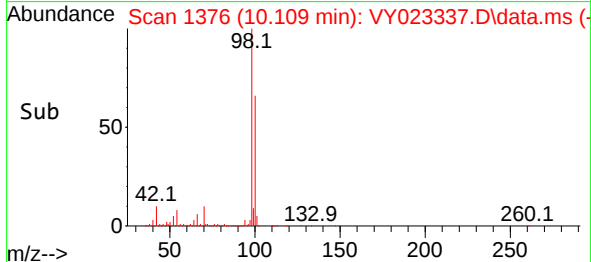
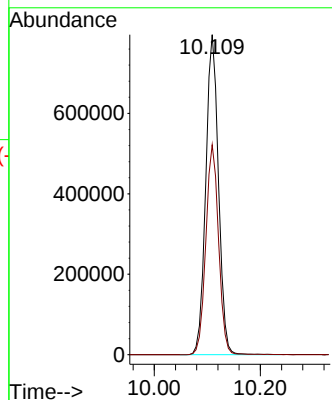
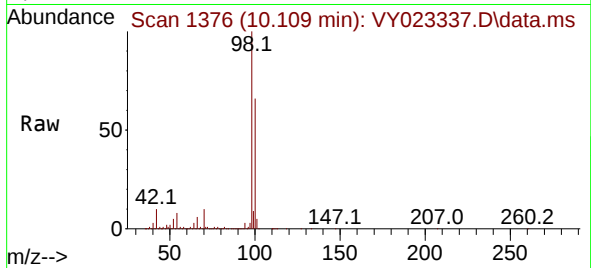




#50
Toluene-d8
Concen: 51.590 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023337.D
Acq: 11 Sep 2025 09:38

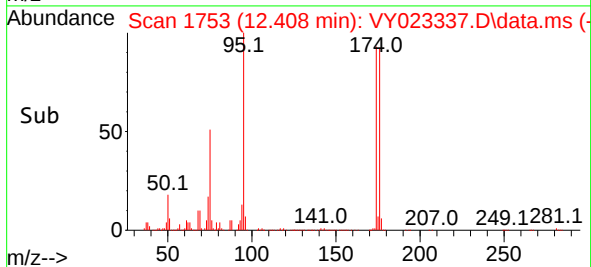
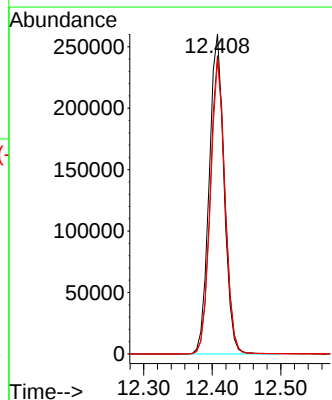
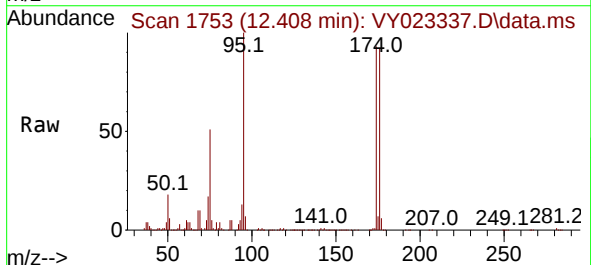
Instrument :
MSVOA_Y
ClientSampleId :
VY0911SBL01

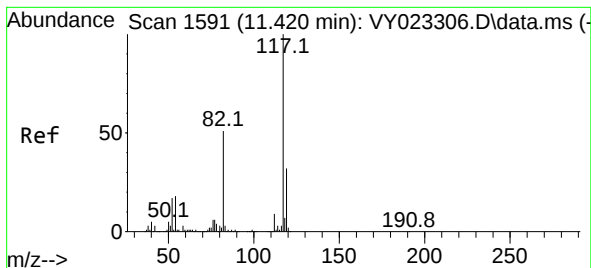
Tgt Ion: 98 Resp: 1322232
Ion Ratio Lower Upper
98 100
100 65.7 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 48.694 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023337.D
Acq: 11 Sep 2025 09:38

Tgt Ion: 95 Resp: 392745
Ion Ratio Lower Upper
95 100
174 92.7 0.0 171.6
176 89.6 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.420 min Scan# 11

Delta R.T. 0.012 min

Lab File: VY023337.D

Acq: 11 Sep 2025 09:38

Instrument :

MSVOA_Y

ClientSampleId :

VY0911SBL01

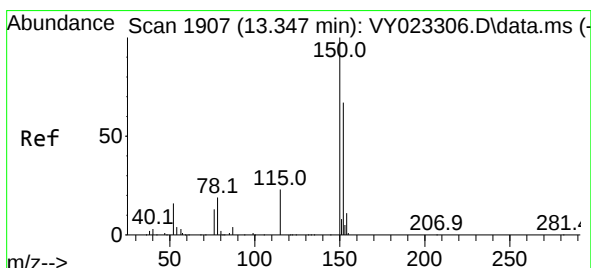
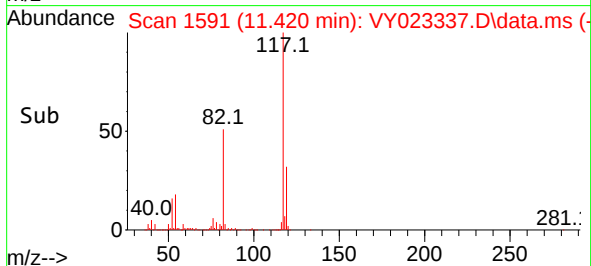
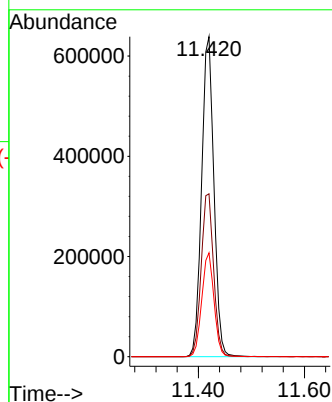
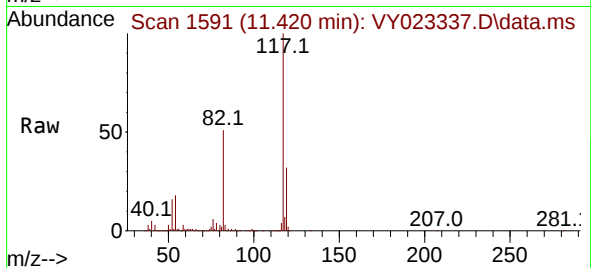
Tgt Ion:117 Resp: 1024625

Ion Ratio Lower Upper

117 100

82 50.9 43.4 65.0

119 32.4 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023337.D

Acq: 11 Sep 2025 09:38

Tgt Ion:152 Resp: 423251

Ion Ratio Lower Upper

152 100

115 54.5 28.2 84.6

150 155.4 0.0 348.0

