

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091225\
 Data File : VY023356.D
 Acq On : 12 Sep 2025 09:26
 Operator : SY/MD
 Sample : VY0912SBL01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0912SBL01

Quant Time: Sep 12 23:57:35 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	7.707	168	604675	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1122529	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1055856	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	437474	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	301299	56.706	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	113.420%
35) Dibromofluoromethane	7.634	113	361991	52.756	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	105.520%
50) Toluene-d8	10.109	98	1335176	51.532	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	103.060%
62) 4-Bromofluorobenzene	12.408	95	408358	50.082	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	100.160%

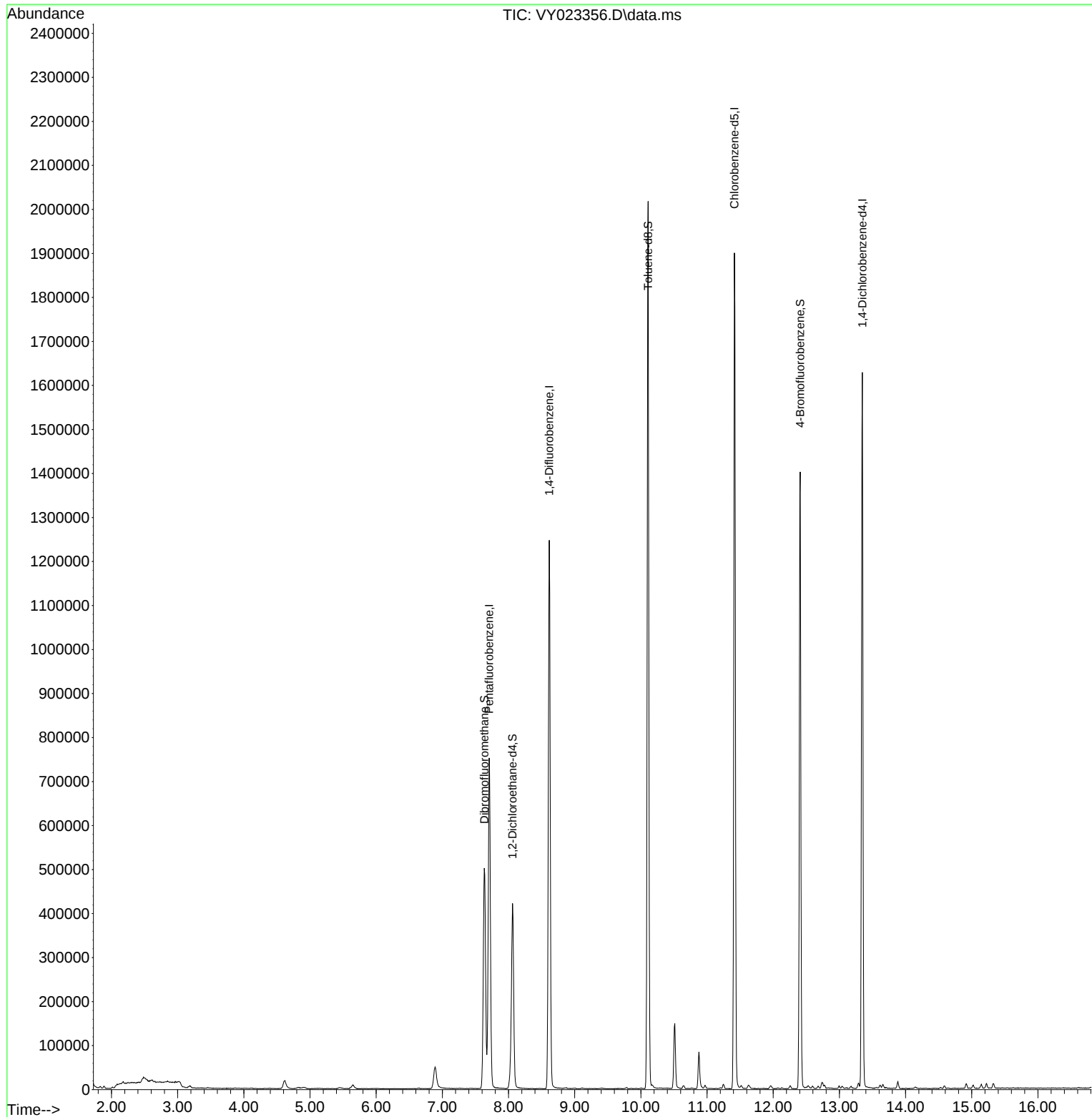
Target Compounds	Qvalue

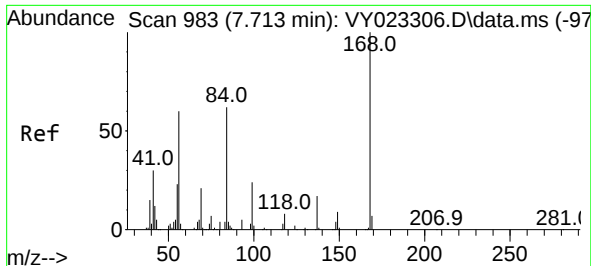
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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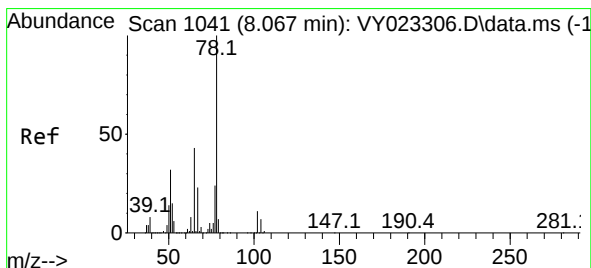
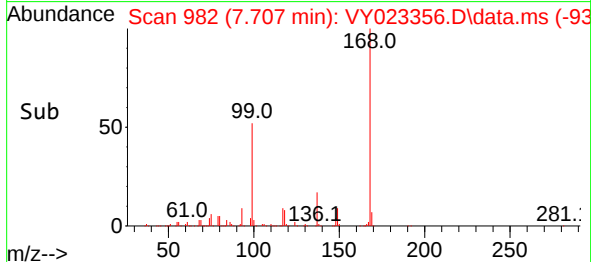
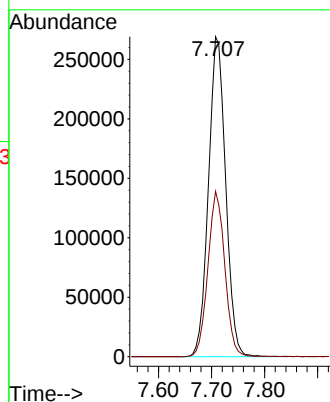
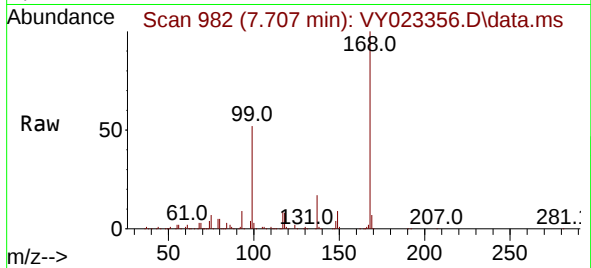




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023356.D
Acq: 12 Sep 2025 09:26

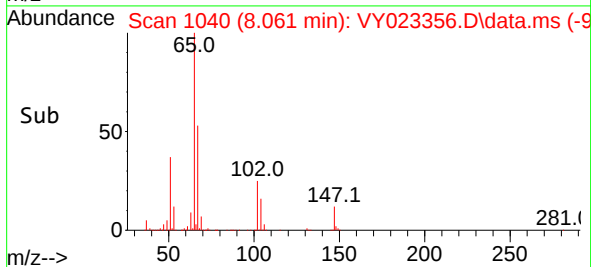
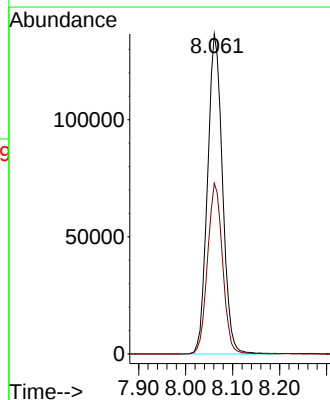
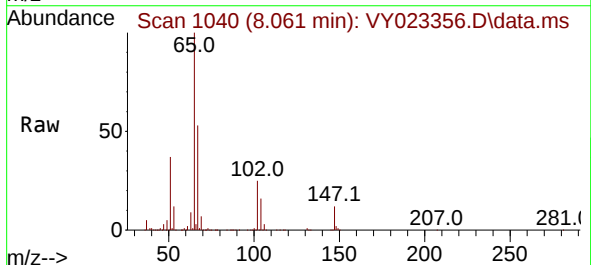
Instrument :
MSVOA_Y
ClientSampleId :
VY0912SBL01

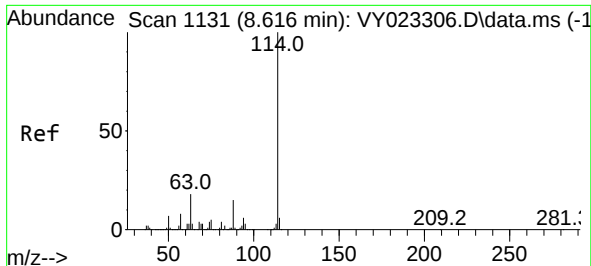
Tgt Ion:168 Resp: 604675
Ion Ratio Lower Upper
168 100
99 51.7 42.8 64.2



#33
1,2-Dichloroethane-d4
Concen: 56.706 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023356.D
Acq: 12 Sep 2025 09:26

Tgt Ion: 65 Resp: 301299
Ion Ratio Lower Upper
65 100
67 53.4 0.0 106.8

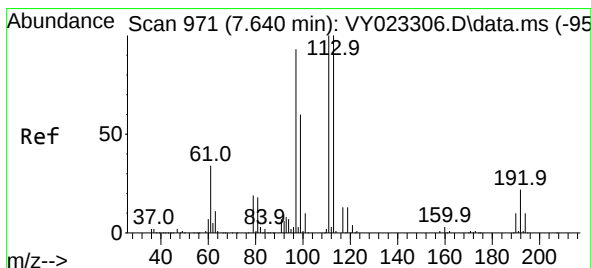
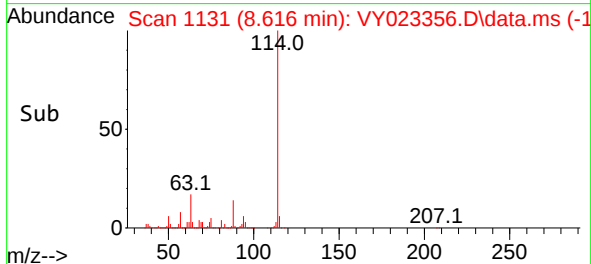
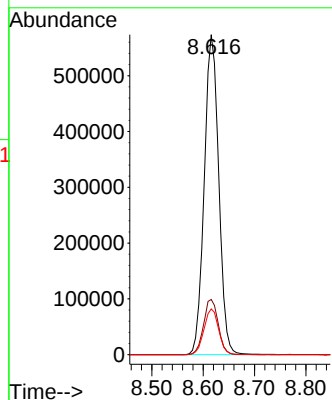
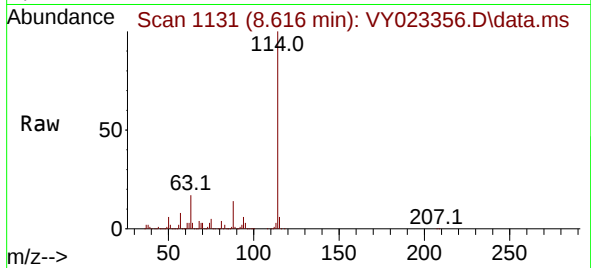




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VY023356.D
Acq: 12 Sep 2025 09:26

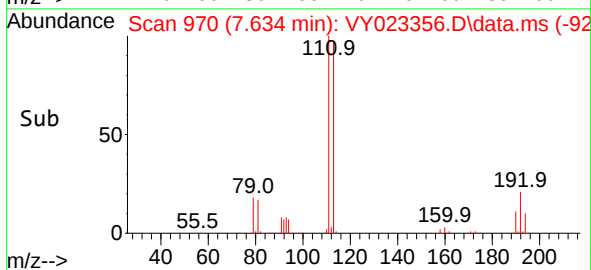
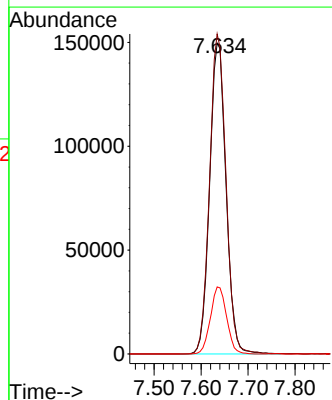
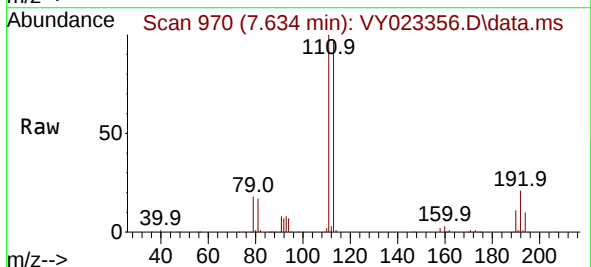
Instrument :
MSVOA_Y
ClientSampleId :
VY0912SBL01

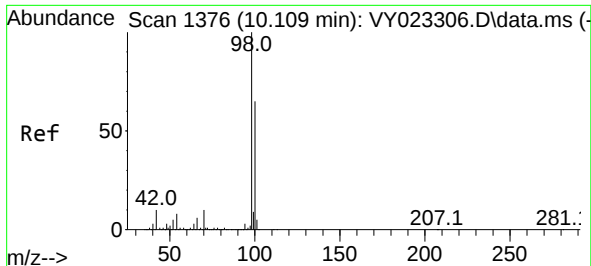
Tgt Ion:114 Resp: 1122529
Ion Ratio Lower Upper
114 100
63 17.3 0.0 38.4
88 14.3 0.0 30.0



#35
Dibromofluoromethane
Concen: 52.756 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023356.D
Acq: 12 Sep 2025 09:26

Tgt Ion:113 Resp: 361991
Ion Ratio Lower Upper
113 100
111 102.8 81.1 121.7
192 21.2 16.2 24.4

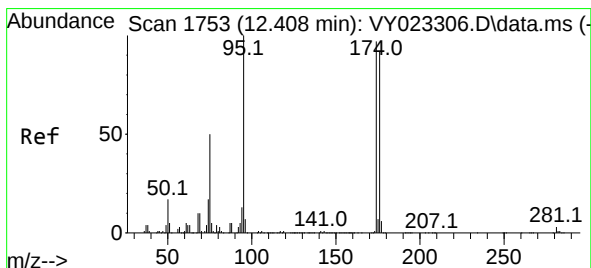
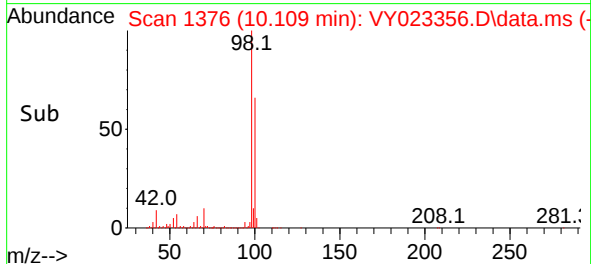
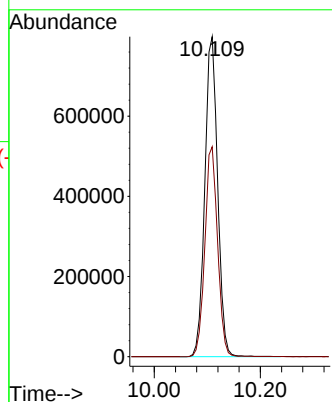
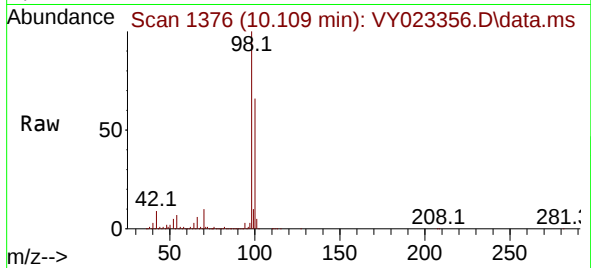




#50
Toluene-d8
Concen: 51.532 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023356.D
Acq: 12 Sep 2025 09:26

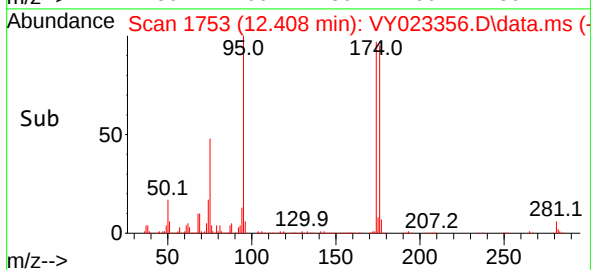
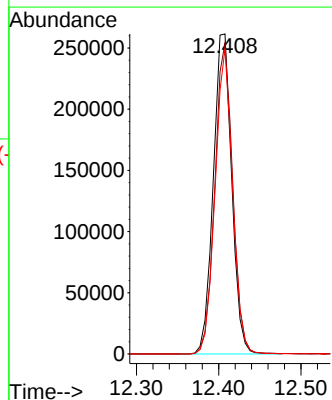
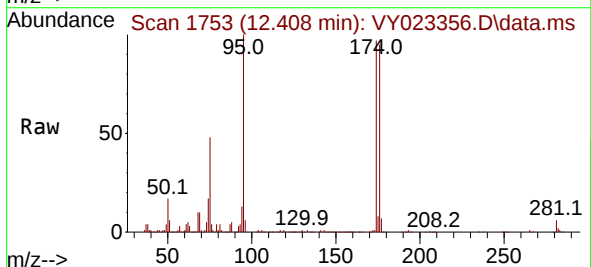
Instrument :
MSVOA_Y
ClientSampleId :
VY0912SBL01

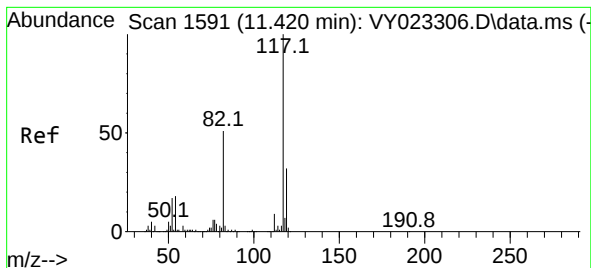
Tgt Ion: 98 Resp: 1335176
Ion Ratio Lower Upper
98 100
100 65.1 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 50.082 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023356.D
Acq: 12 Sep 2025 09:26

Tgt Ion: 95 Resp: 408358
Ion Ratio Lower Upper
95 100
174 94.3 0.0 171.6
176 90.4 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. 0.006 min

Lab File: VY023356.D

Acq: 12 Sep 2025 09:26

Instrument :

MSVOA_Y

ClientSampleId :

VY0912SBL01

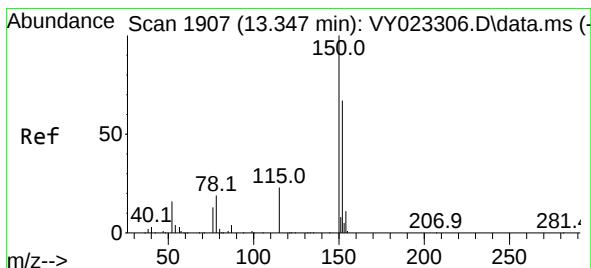
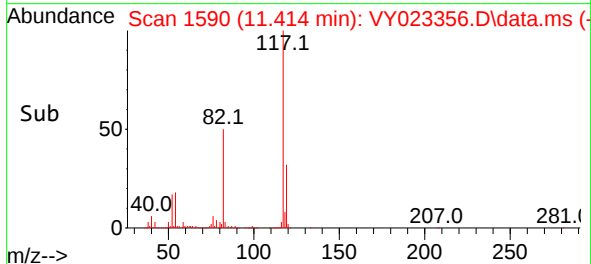
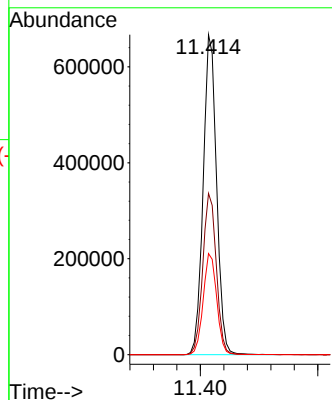
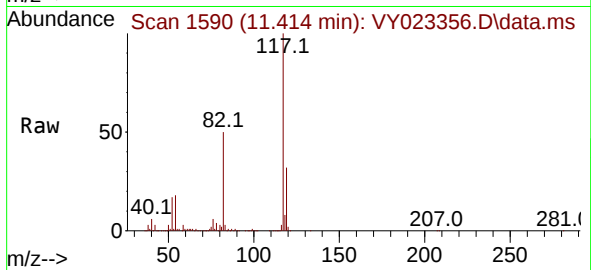
Tgt Ion:117 Resp: 1055856

Ion Ratio Lower Upper

117 100

82 50.4 43.4 65.0

119 31.6 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: VY023356.D

Acq: 12 Sep 2025 09:26

Tgt Ion:152 Resp: 437474

Ion Ratio Lower Upper

152 100

115 54.5 28.2 84.6

150 155.3 0.0 348.0

