

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091125\
 Data File : VY023342.D
 Acq On : 11 Sep 2025 12:10
 Operator : SY/MD
 Sample : Q3075-01
 Misc : 5.02g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 MOO-25-0254

Quant Time: Sep 12 01:25:40 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	423245	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	749700	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	648672	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	242124	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	220610	59.318	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	118.640%
35) Dibromofluoromethane	7.640	113	254339	55.500	ug/l	0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	=	111.000%
50) Toluene-d8	10.109	98	883018	51.029	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	102.060%
62) 4-Bromofluorobenzene	12.408	95	236709	43.468	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	86.940%

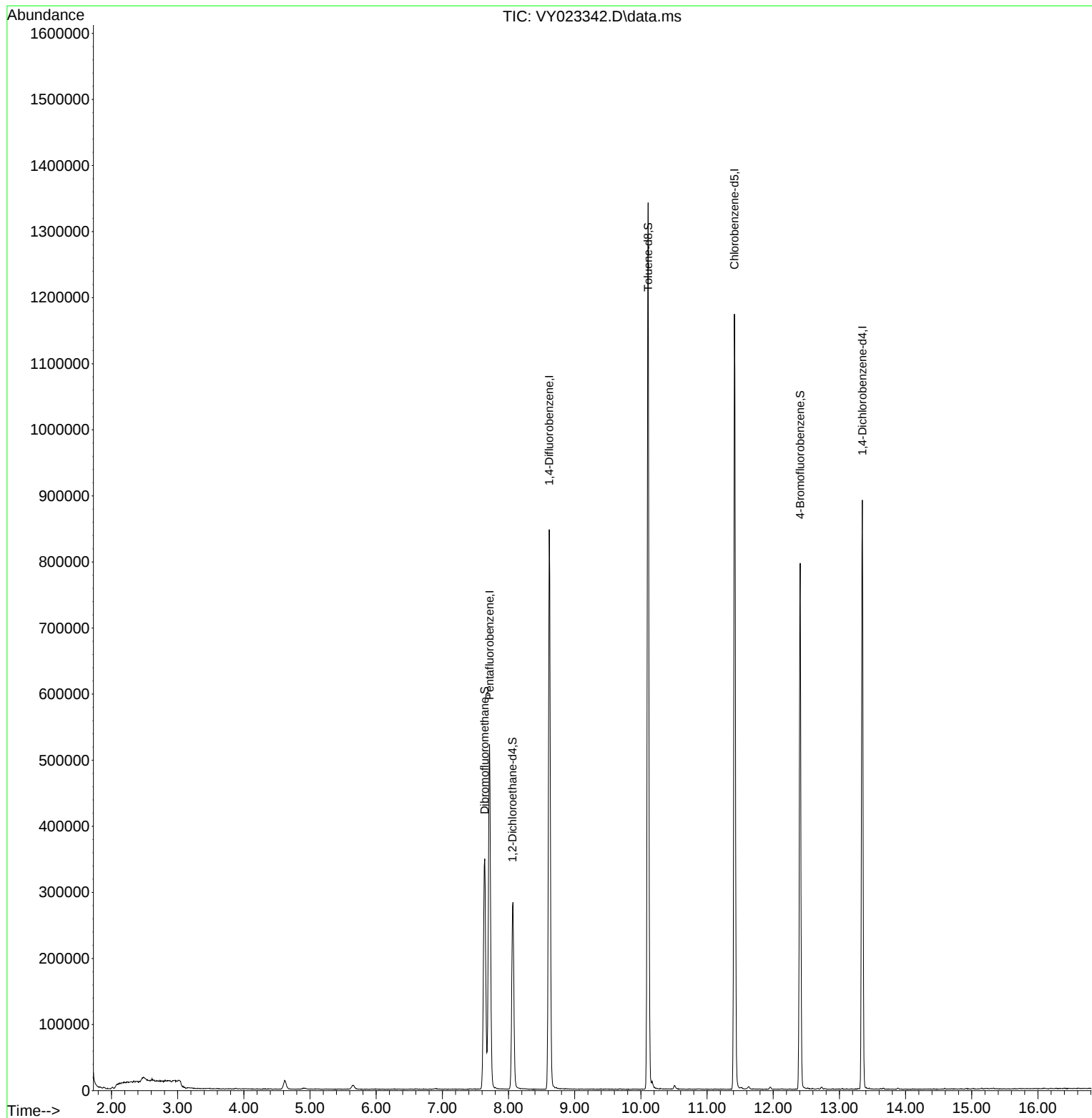
Target Compounds	Qvalue

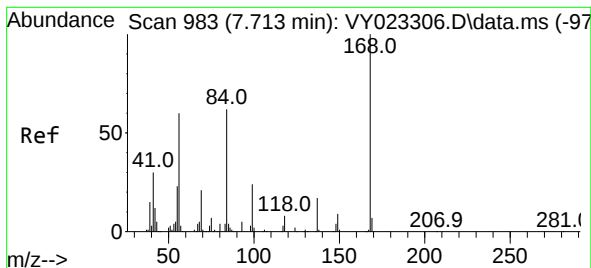
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.713 min Scan# 9

Delta R.T. 0.006 min

Lab File: VY023342.D

Acq: 11 Sep 2025 12:10

Instrument :

MSVOA_Y

ClientSampleId :

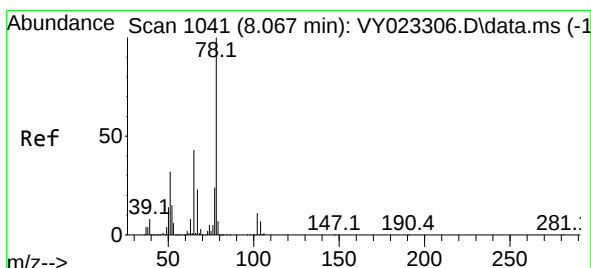
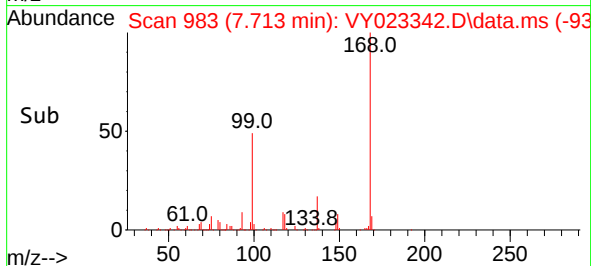
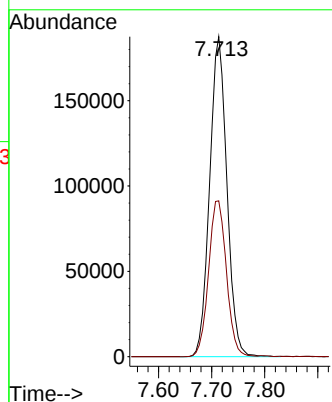
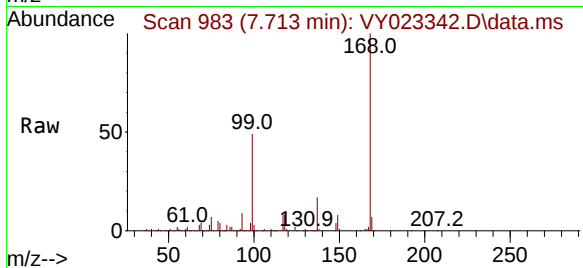
MOO-25-0254

Tgt Ion:168 Resp: 423245

Ion Ratio Lower Upper

168 100

99 48.7 42.8 64.2



#33

1,2-Dichloroethane-d4

Concen: 59.318 ug/l

RT: 8.061 min Scan# 1040

Delta R.T. 0.006 min

Lab File: VY023342.D

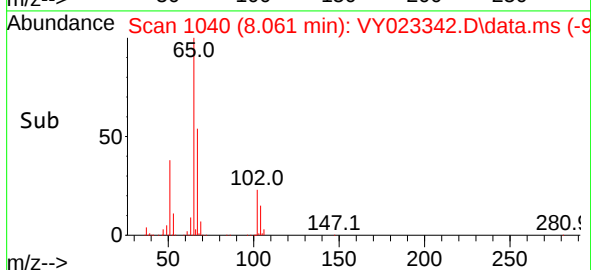
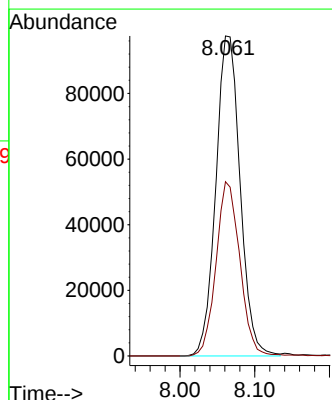
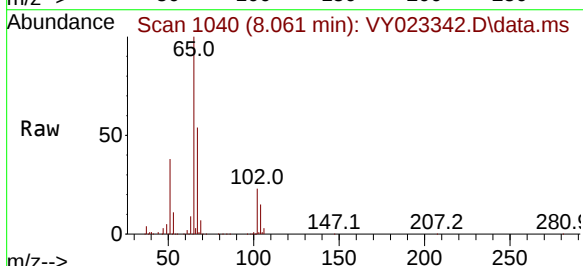
Acq: 11 Sep 2025 12:10

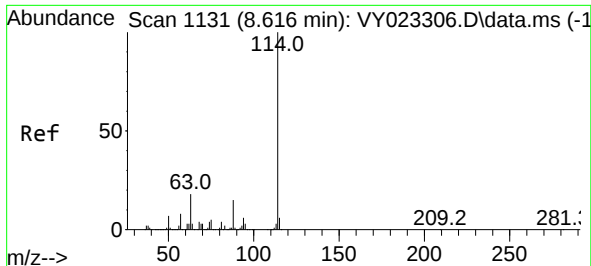
Tgt Ion: 65 Resp: 220610

Ion Ratio Lower Upper

65 100

67 53.5 0.0 106.8

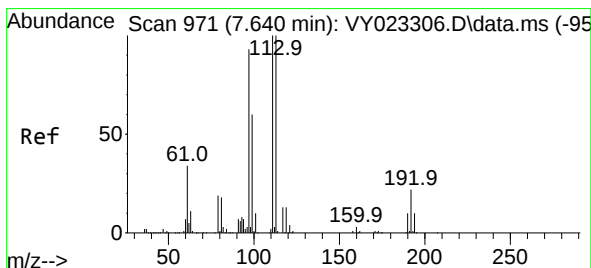
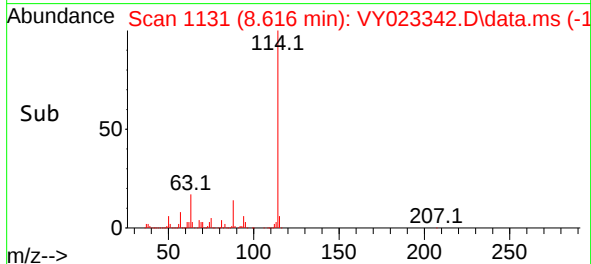
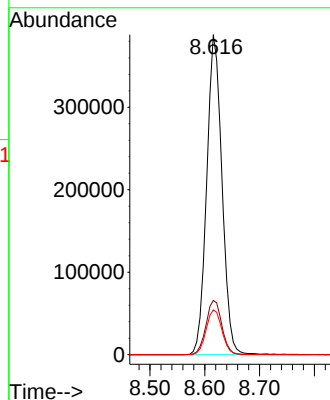
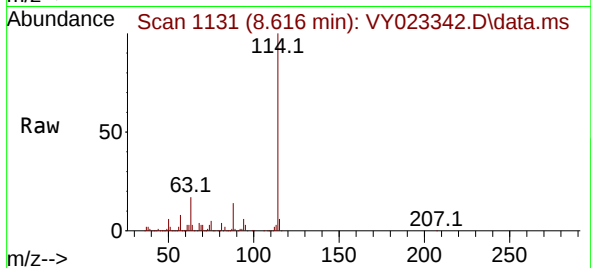




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VY023342.D
Acq: 11 Sep 2025 12:10

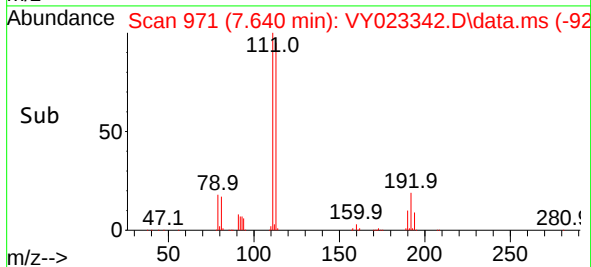
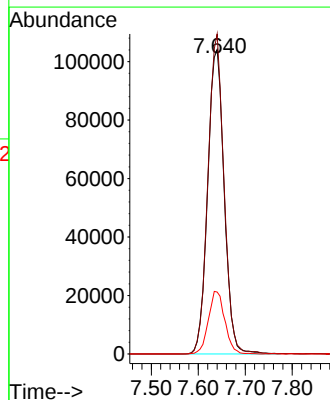
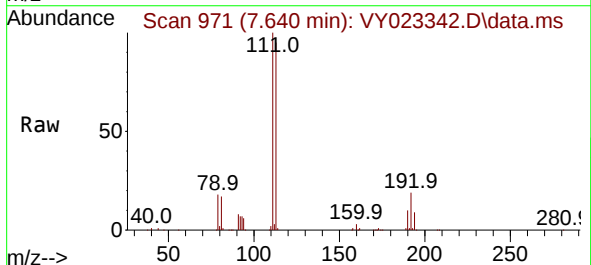
Instrument :
MSVOA_Y
ClientSampleId :
MOO-25-0254

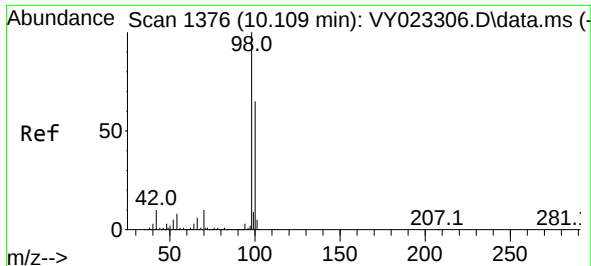
Tgt Ion:114 Resp: 749700
Ion Ratio Lower Upper
114 100
63 17.0 0.0 38.4
88 14.0 0.0 30.0



#35
Dibromofluoromethane
Concen: 55.500 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.012 min
Lab File: VY023342.D
Acq: 11 Sep 2025 12:10

Tgt Ion:113 Resp: 254339
Ion Ratio Lower Upper
113 100
111 101.9 81.1 121.7
192 20.4 16.2 24.4

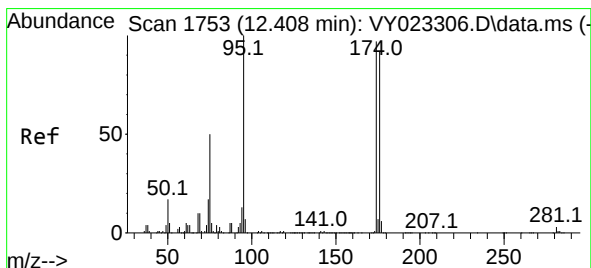
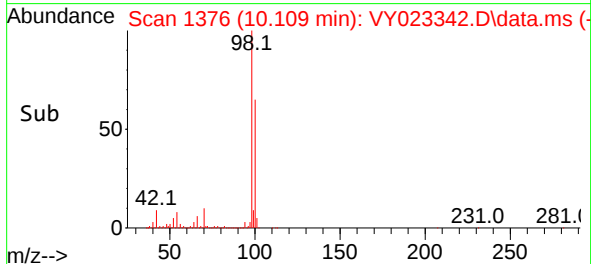
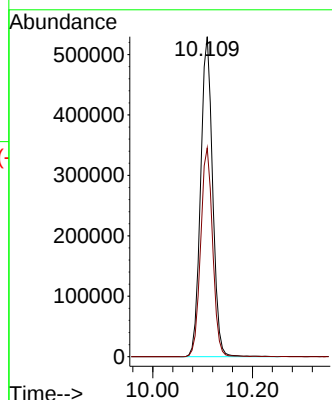
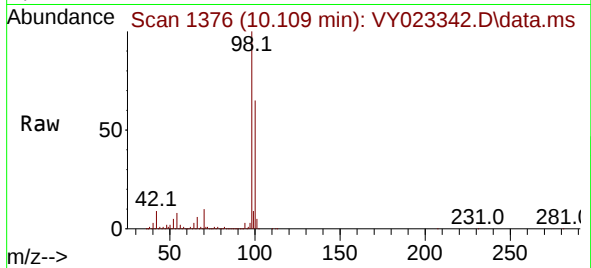




#50
Toluene-d8
Concen: 51.029 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023342.D
Acq: 11 Sep 2025 12:10

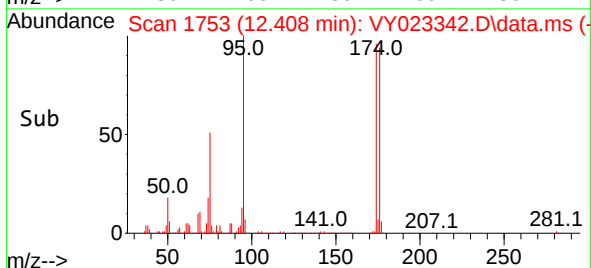
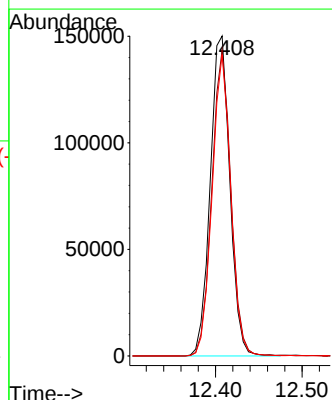
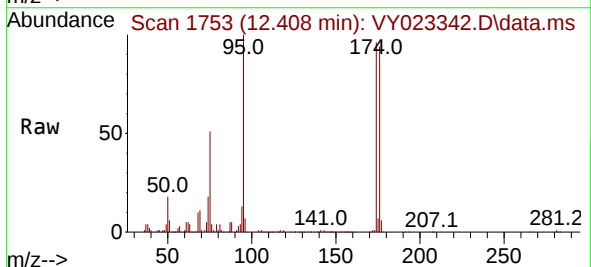
Instrument :
MSVOA_Y
ClientSampleId :
MOO-25-0254

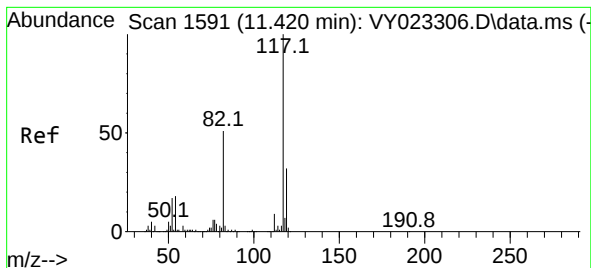
Tgt Ion: 98 Resp: 883018
Ion Ratio Lower Upper
98 100
100 65.2 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 43.468 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023342.D
Acq: 11 Sep 2025 12:10

Tgt Ion: 95 Resp: 236709
Ion Ratio Lower Upper
95 100
174 93.0 0.0 171.6
176 89.6 0.0 167.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 1

Delta R.T. 0.006 min

Lab File: VY023342.D

Acq: 11 Sep 2025 12:10

Instrument :

MSVOA_Y

ClientSampleId :

MOO-25-0254

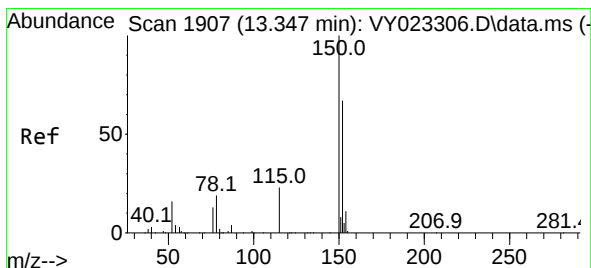
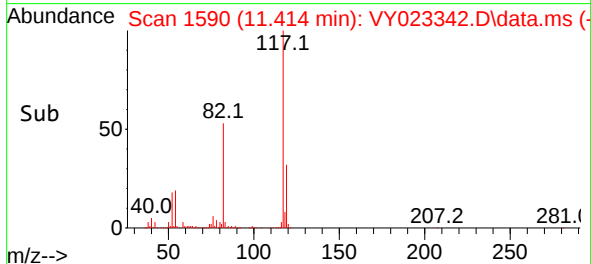
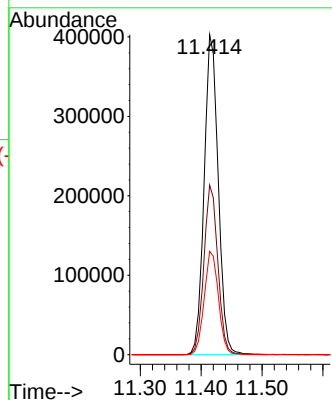
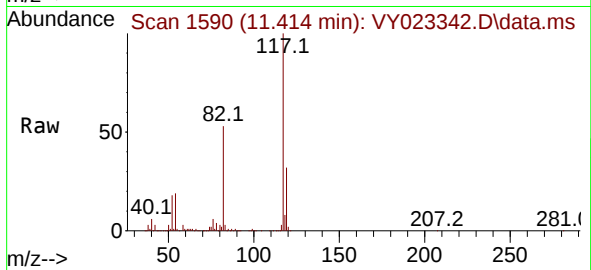
Tgt Ion:117 Resp: 648672

Ion Ratio Lower Upper

117 100

82 53.0 43.4 65.0

119 32.3 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. 0.006 min

Lab File: VY023342.D

Acq: 11 Sep 2025 12:10

Tgt Ion:152 Resp: 242124

Ion Ratio Lower Upper

152 100

115 55.3 28.2 84.6

150 157.7 0.0 348.0

