

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082025\
 Data File : VY023172.D
 Acq On : 20 Aug 2025 13:48
 Operator : SY/MD
 Sample : Q2879-17RE
 Misc : 3.51g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 OU4-TS-GRILLO-TSCP11-081425RE

Quant Time: Aug 20 15:24:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
 Quant Title : SW846 8260
 QLast Update : Wed Aug 13 02:10:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	7.707	168	182608	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	323352	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	259490	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	77921	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	104802	60.218	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 120.440%	
35) Dibromofluoromethane	7.634	113	114111	58.977	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 117.960%	
50) Toluene-d8	10.109	98	376590	49.823	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 99.640%	
62) 4-Bromofluorobenzene	12.402	95	92900	38.217	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 76.440%	

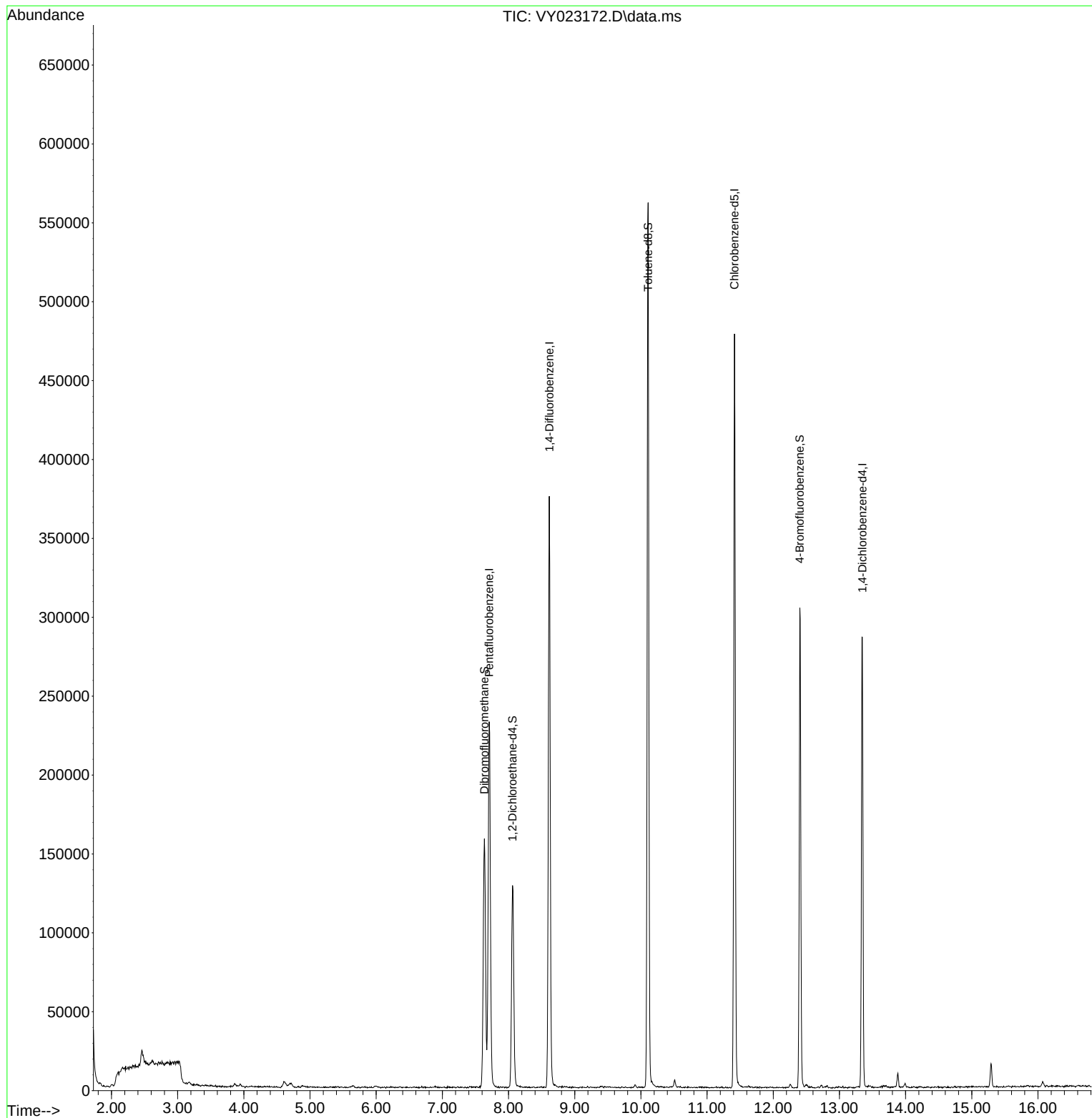
Target Compounds	Qvalue

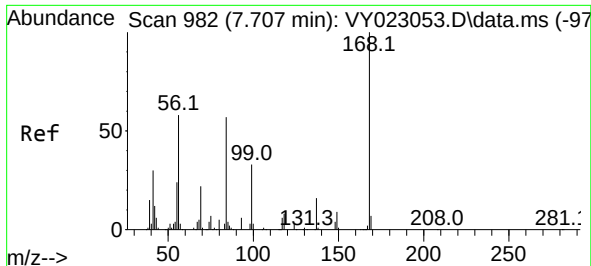
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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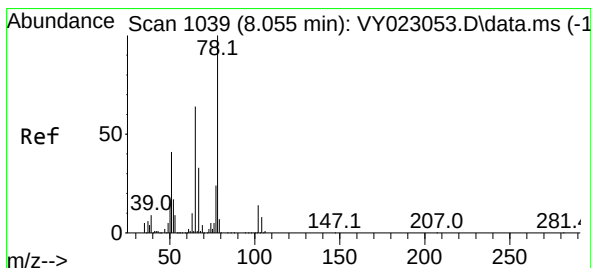
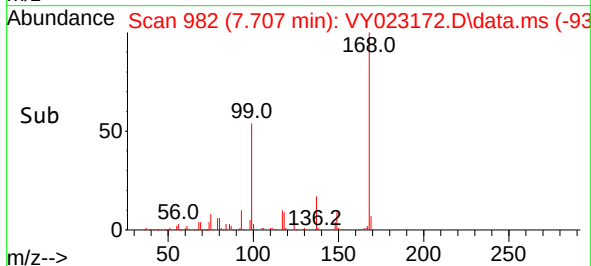
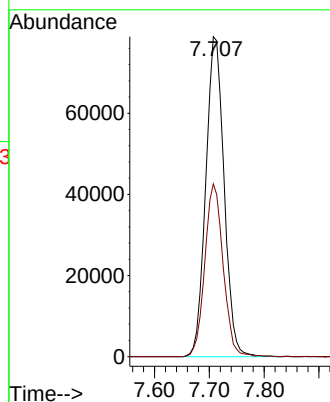
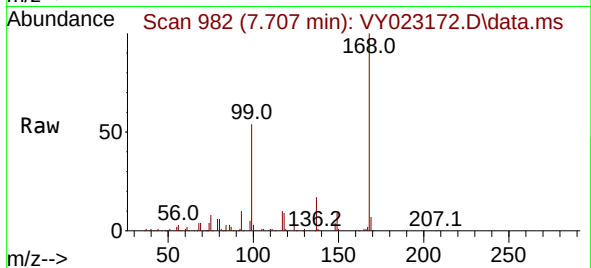




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY023172.D
Acq: 20 Aug 2025 13:48

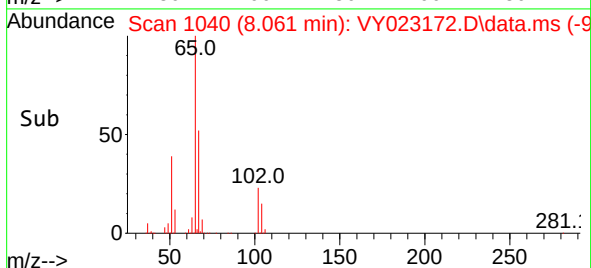
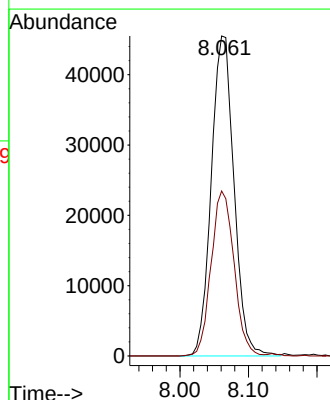
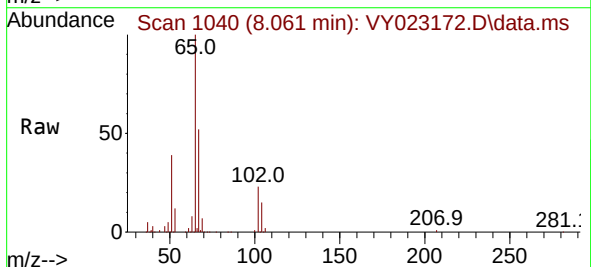
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MSVOA_Y
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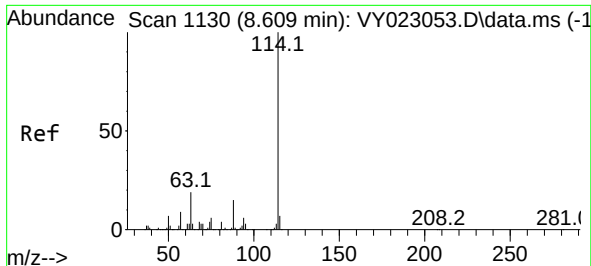
Tgt Ion:168 Resp: 182608
Ion Ratio Lower Upper
168 100
99 54.0 42.8 64.2



#33
1,2-Dichloroethane-d4
Concen: 60.218 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023172.D
Acq: 20 Aug 2025 13:48

Tgt Ion: 65 Resp: 104802
Ion Ratio Lower Upper
65 100
67 52.0 0.0 106.8

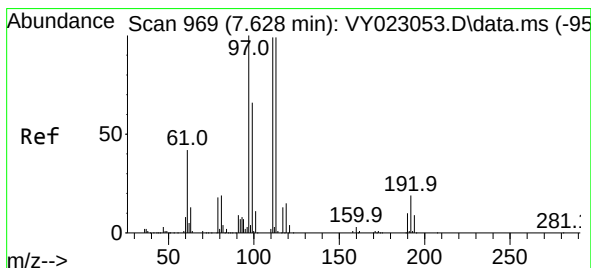
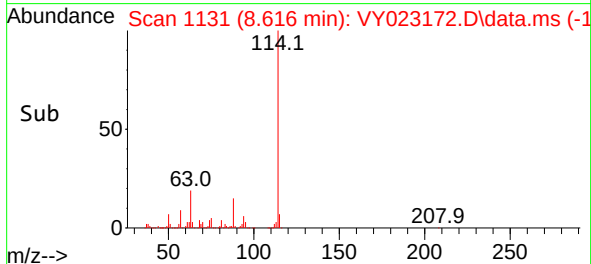
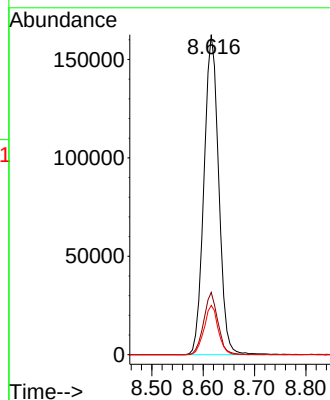
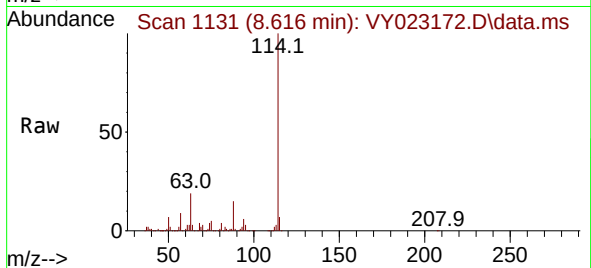




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VY023172.D
Acq: 20 Aug 2025 13:48

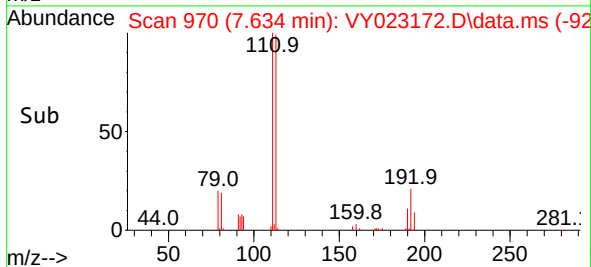
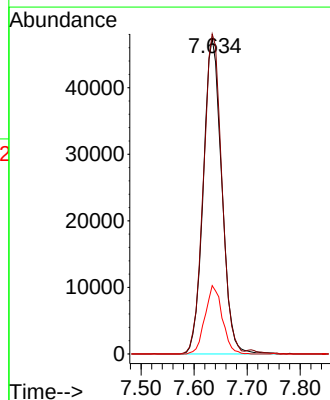
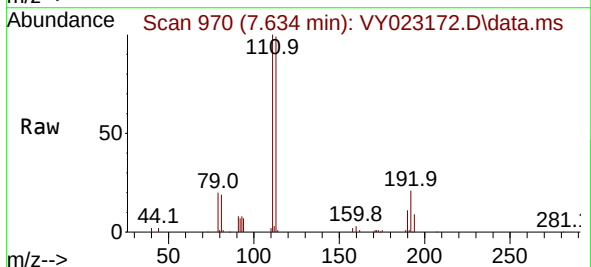
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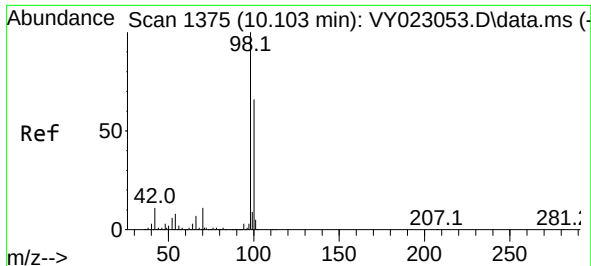
Tgt Ion:114 Resp: 323352
Ion Ratio Lower Upper
114 100
63 19.4 0.0 38.4
88 15.4 0.0 30.0



#35
Dibromofluoromethane
Concen: 58.977 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023172.D
Acq: 20 Aug 2025 13:48

Tgt Ion:113 Resp: 114111
Ion Ratio Lower Upper
113 100
111 101.4 81.1 121.7
192 20.3 16.2 24.4

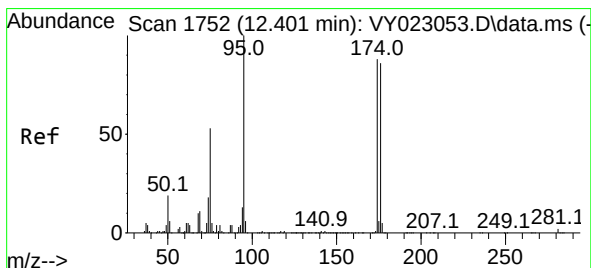
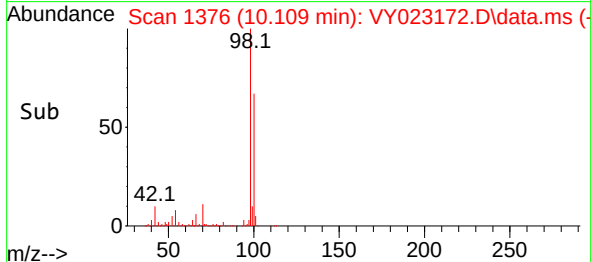
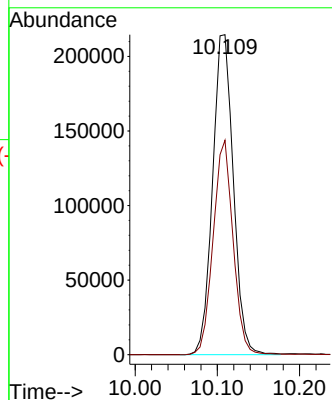
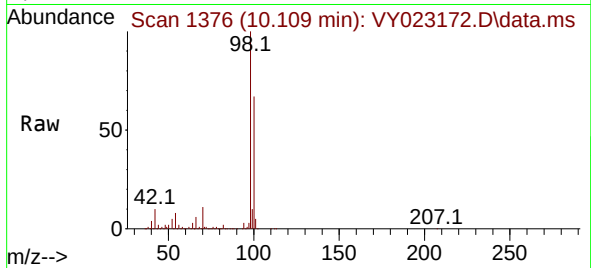




#50
Toluene-d8
Concen: 49.823 ug/l
RT: 10.109 min Scan# 1375
Delta R.T. 0.006 min
Lab File: VY023172.D
Acq: 20 Aug 2025 13:48

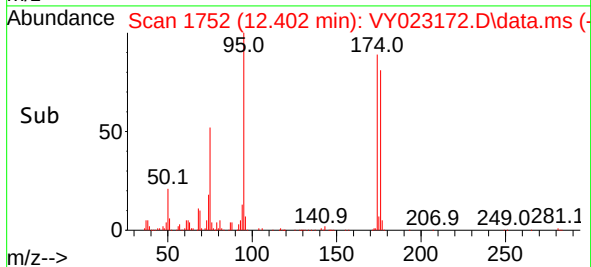
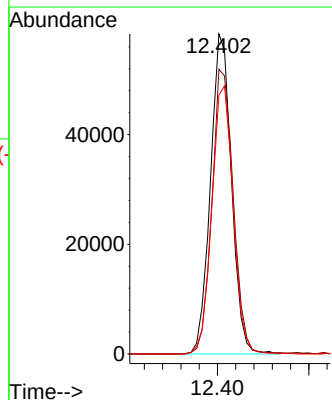
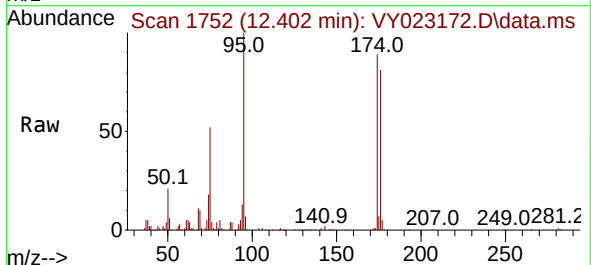
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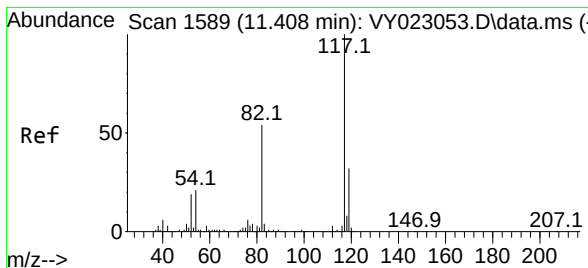
Tgt Ion: 98 Resp: 376590
Ion Ratio Lower Upper
98 100
100 64.3 52.3 78.5



#62
4-Bromofluorobenzene
Concen: 38.217 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. 0.000 min
Lab File: VY023172.D
Acq: 20 Aug 2025 13:48

Tgt Ion: 95 Resp: 92900
Ion Ratio Lower Upper
95 100
174 90.9 0.0 171.6
176 85.7 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: VY023172.D

Acq: 20 Aug 2025 13:48

Instrument :

MSVOA_Y

ClientSampleId :

OU4-TS-GRILLO-TSCP11-081425RE

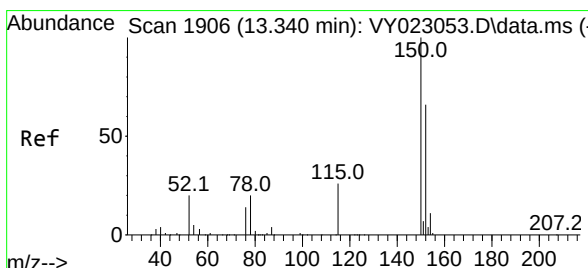
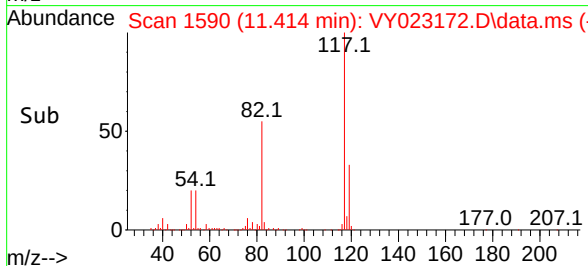
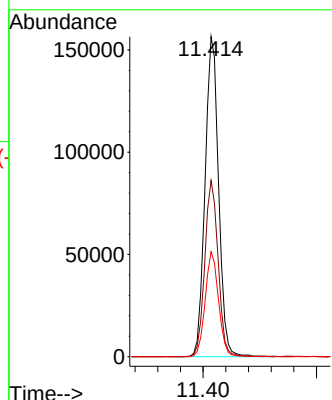
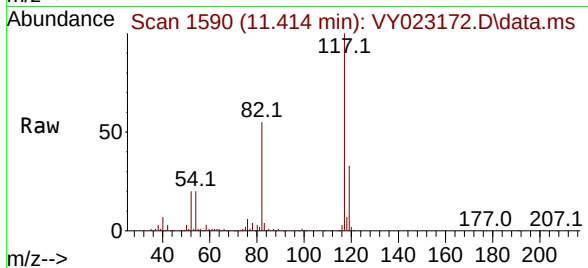
Tgt Ion:117 Resp: 259490

Ion Ratio Lower Upper

117 100

82 55.1 43.4 65.0

119 32.8 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: VY023172.D

Acq: 20 Aug 2025 13:48

Tgt Ion:152 Resp: 77921

Ion Ratio Lower Upper

152 100

115 55.8 28.2 84.6

150 153.5 0.0 348.0

