

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070125\
 Data File : VY022899.D
 Acq On : 01 Jul 2025 15:06
 Operator : SY/MD
 Sample : Q2458-05
 Misc : 6.39g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-66

Quant Time: Jul 02 02:47:43 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
 Quant Title : SW846 8260
 QLast Update : Tue Jun 24 08:29:52 2025
 Response via : Initial Calibration

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

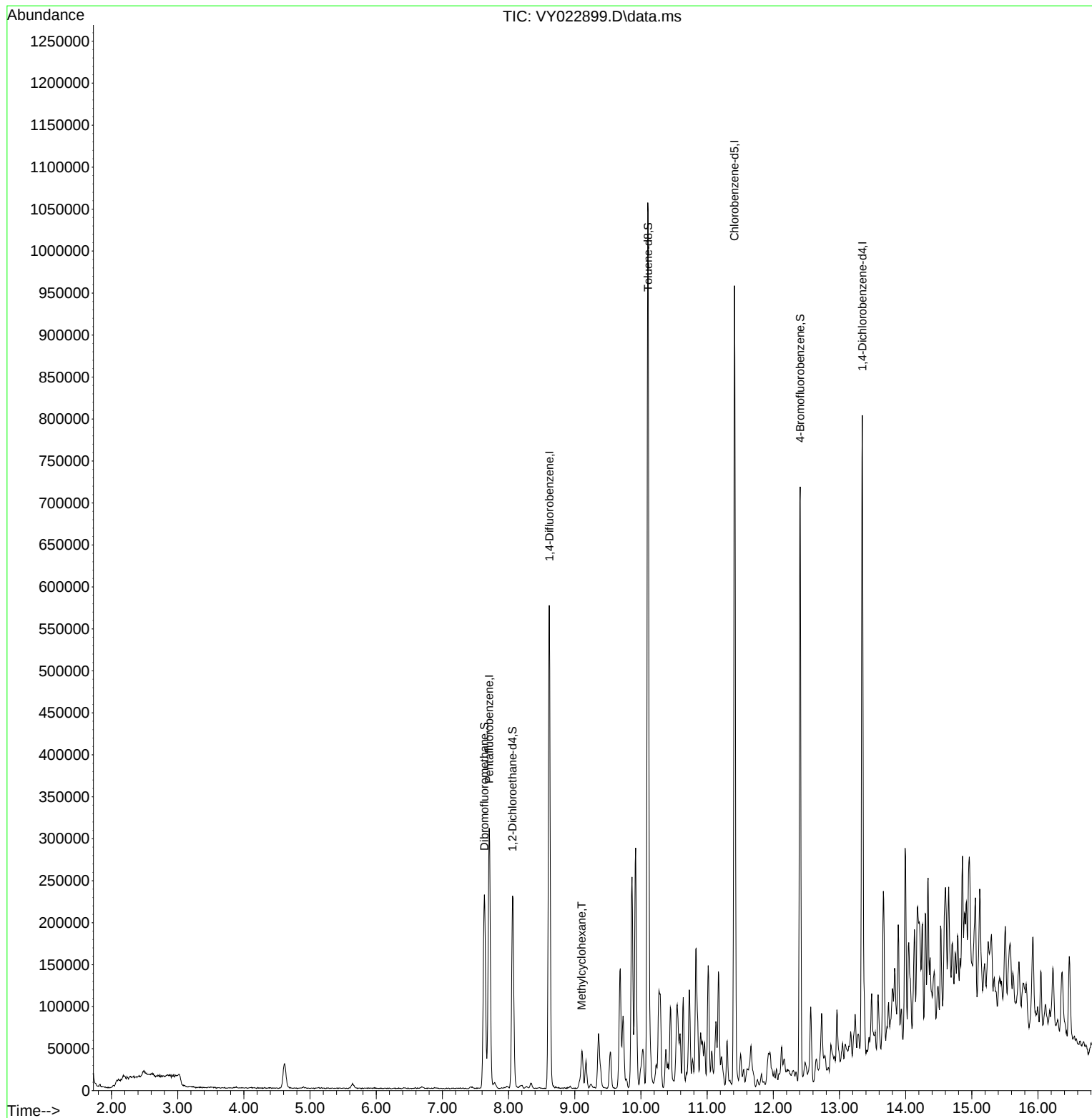
Internal Standards						
1) Pentafluorobenzene	7.707	168	227063	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	478916	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	482244	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	188370	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	180787	71.337	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 142.680%	
35) Dibromofluoromethane	7.634	113	167403	57.477	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 114.960%	
50) Toluene-d8	10.109	98	596552	51.617	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 103.240%	
62) 4-Bromofluorobenzene	12.407	95	205251	55.244	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 110.480%	
Target Compounds						
39) Methylcyclohexane	9.103	83	14897	2.608	ug/l	Qvalue 98

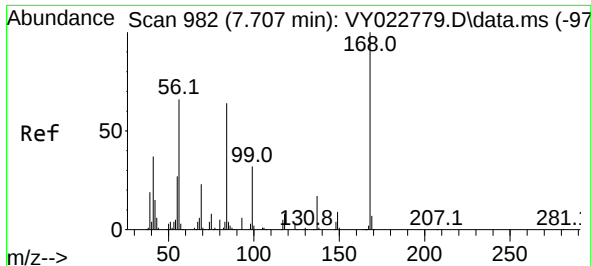
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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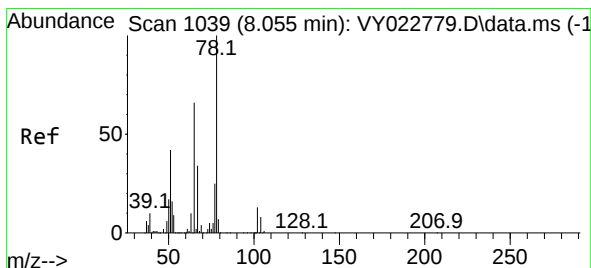
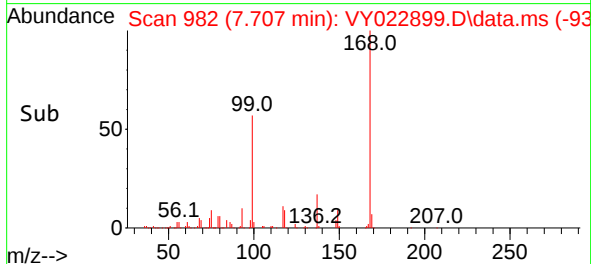
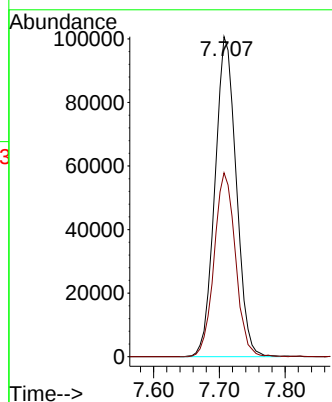
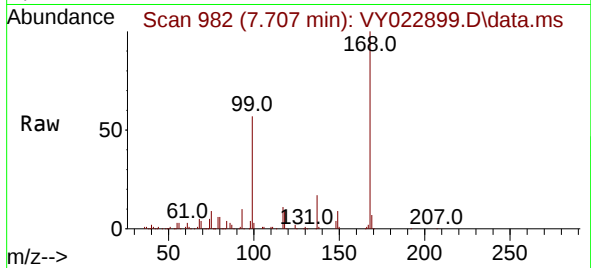




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022899.D
Acq: 01 Jul 2025 15:06

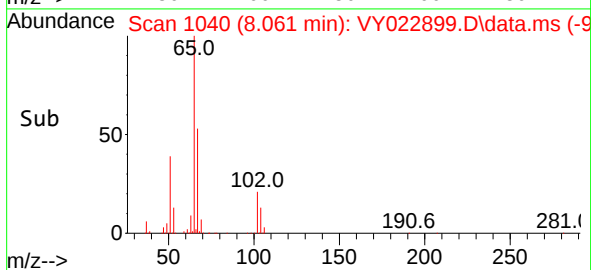
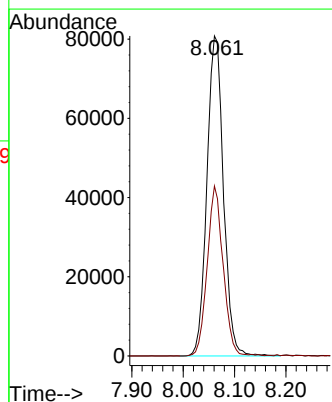
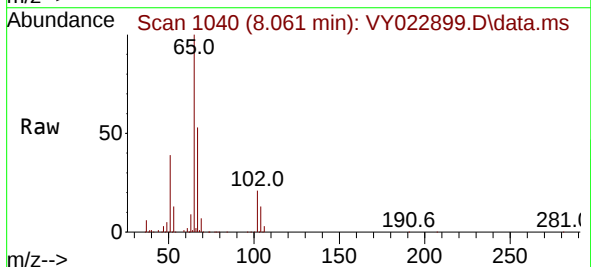
Instrument :
MSVOA_Y
ClientSampleId :
TP-66

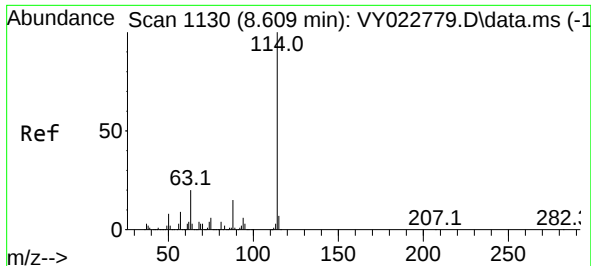
Tgt Ion:168 Resp: 227063
Ion Ratio Lower Upper
168 100
99 57.5 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 71.337 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022899.D
Acq: 01 Jul 2025 15:06

Tgt Ion: 65 Resp: 180787
Ion Ratio Lower Upper
65 100
67 51.1 0.0 103.4

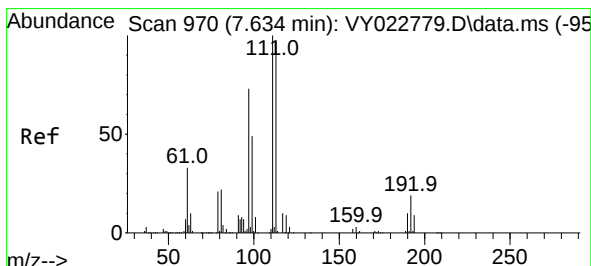
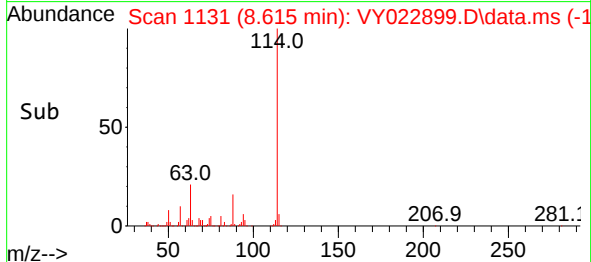
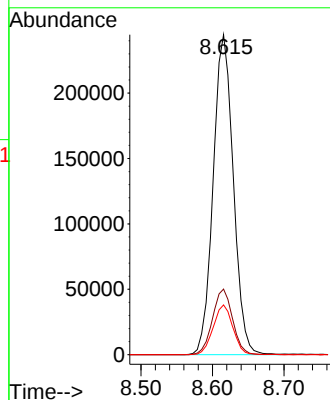
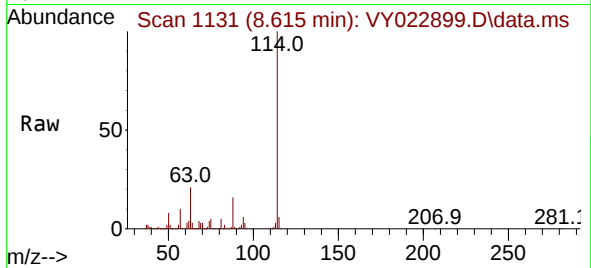




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1131
Delta R.T. -0.000 min
Lab File: VY022899.D
Acq: 01 Jul 2025 15:06

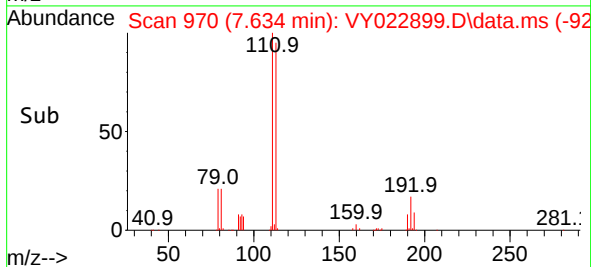
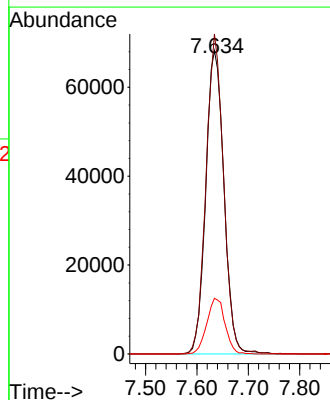
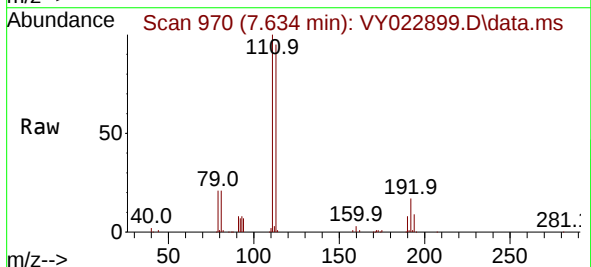
Instrument :
MSVOA_Y
ClientSampleId :
TP-66

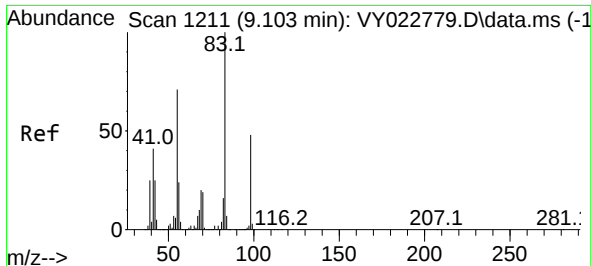
Tgt Ion:114 Resp: 478916
Ion Ratio Lower Upper
114 100
63 20.5 0.0 40.8
88 15.5 0.0 27.8



#35
Dibromofluoromethane
Concen: 57.477 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022899.D
Acq: 01 Jul 2025 15:06

Tgt Ion:113 Resp: 167403
Ion Ratio Lower Upper
113 100
111 102.0 81.1 121.7
192 18.5 14.2 21.2





#39

Methylcyclohexane

Concen: 2.608 ug/l

RT: 9.103 min Scan# 1211

Delta R.T. -0.013 min

Lab File: VY022899.D

Acq: 01 Jul 2025 15:06

Instrument :

MSVOA_Y

ClientSampleId :

TP-66

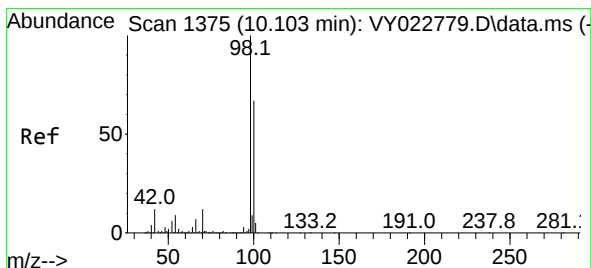
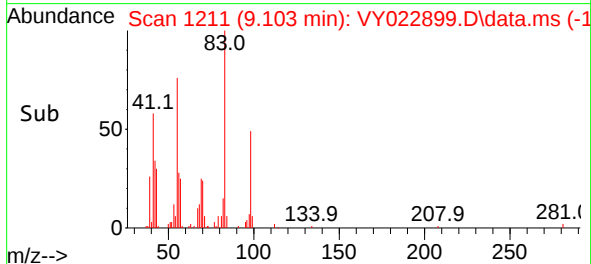
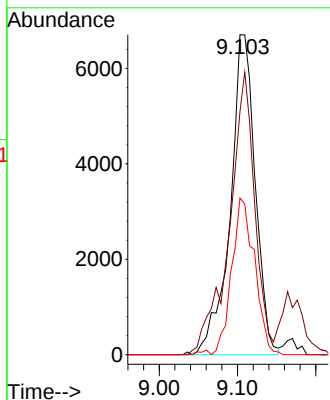
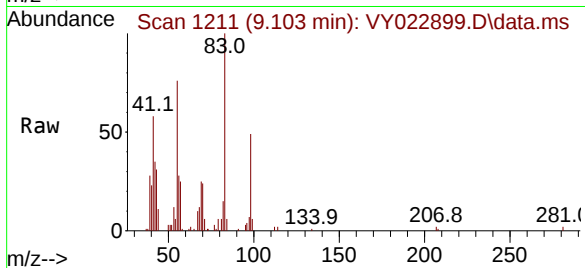
Tgt Ion: 83 Resp: 14897

Ion Ratio Lower Upper

83 100

55 76.0 58.1 87.1

98 49.0 39.0 58.6



#50

Toluene-d8

Concen: 51.617 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. -0.000 min

Lab File: VY022899.D

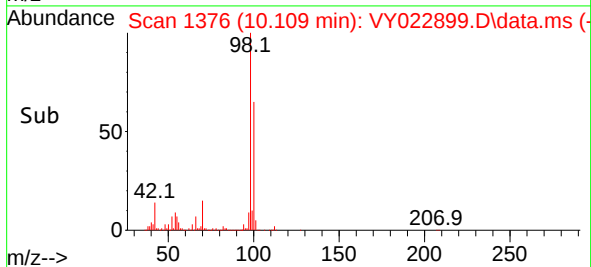
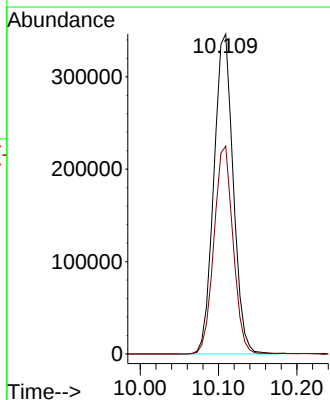
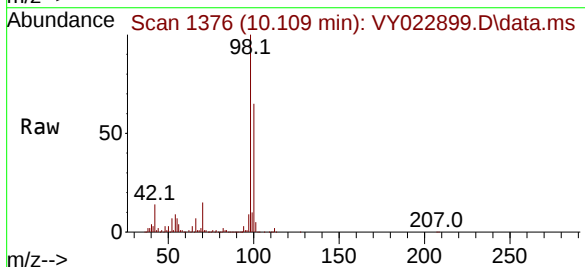
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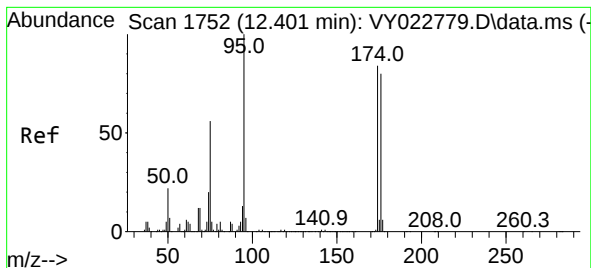
Tgt Ion: 98 Resp: 596552

Ion Ratio Lower Upper

98 100

100 64.1 51.4 77.0

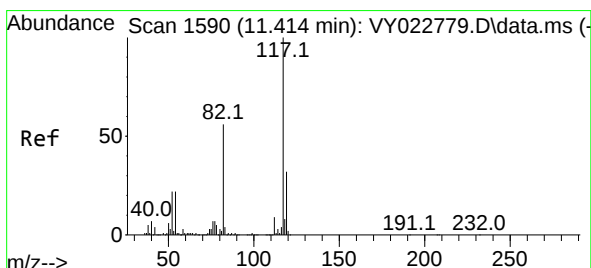
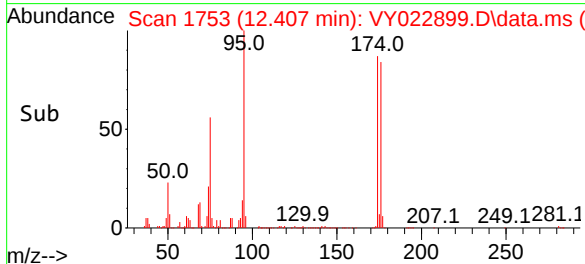
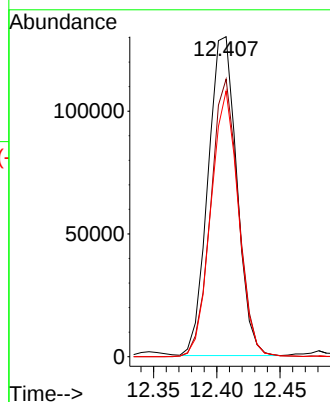
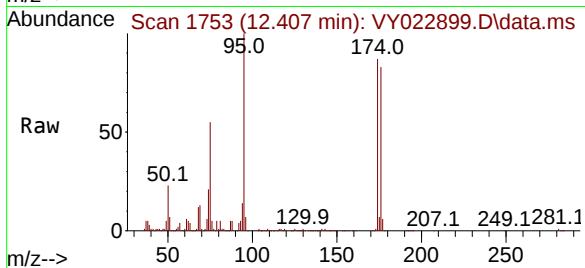




#62
4-Bromofluorobenzene
Concen: 55.244 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. -0.000 min
Lab File: VY022899.D
Acq: 01 Jul 2025 15:06

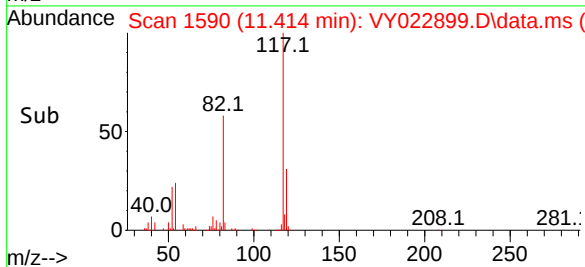
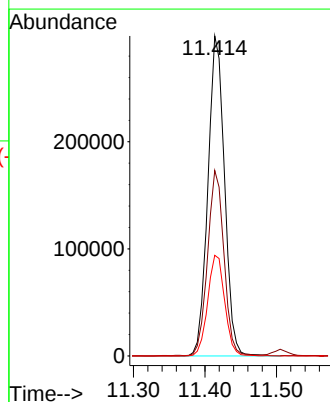
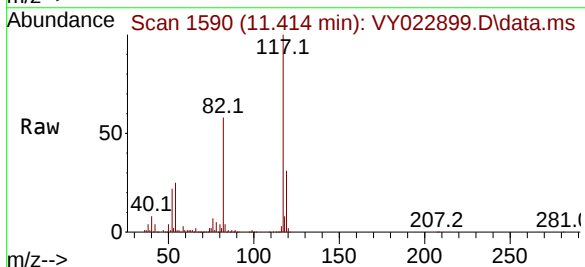
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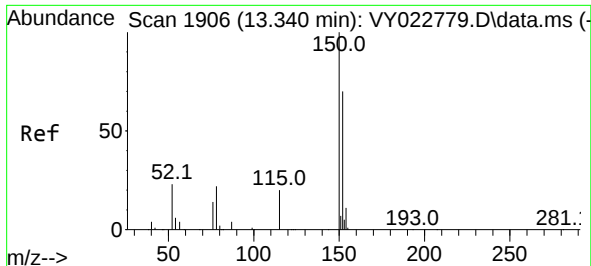
Tgt Ion: 95 Resp: 205251
Ion Ratio Lower Upper
95 100
174 83.9 0.0 170.0
176 80.1 0.0 166.2



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022899.D
Acq: 01 Jul 2025 15:06

Tgt Ion: 117 Resp: 482244
Ion Ratio Lower Upper
117 100
82 57.7 44.6 66.8
119 31.5 25.4 38.0





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. -0.000 min
 Lab File: VY022899.D
 Acq: 01 Jul 2025 15:06

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-66

Tgt Ion:152 Resp: 188370
 Ion Ratio Lower Upper
 152 100
 115 58.8 28.9 86.7
 150 155.2 0.0 349.6

