

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070325\
 Data File : VY022939.D
 Acq On : 03 Jul 2025 13:50
 Operator : SY/MD
 Sample : Q2487-02
 Misc : 6.38g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 G4(10)

Quant Time: Jul 04 03:19:47 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)

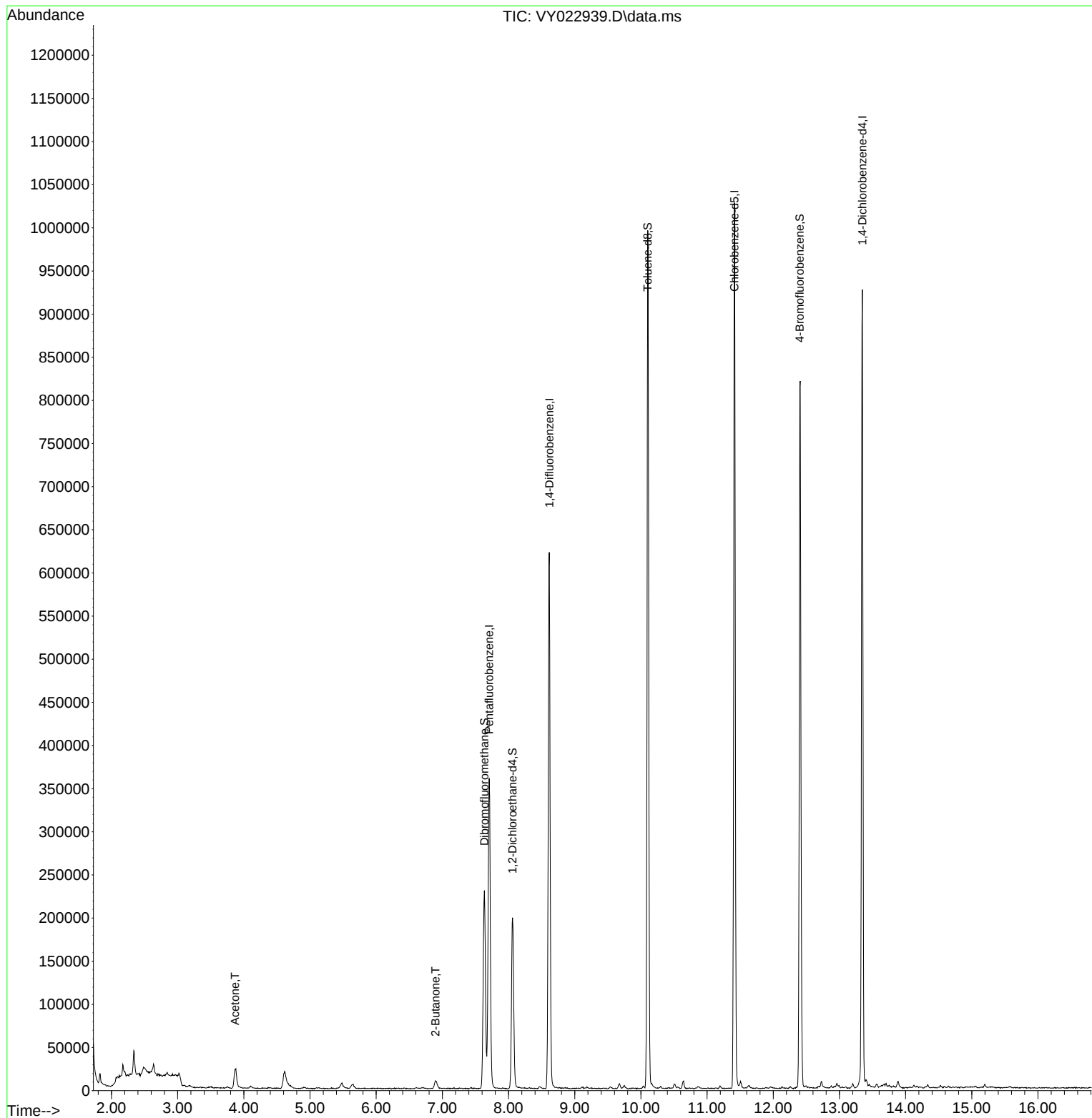
Internal Standards						
1) Pentafluorobenzene	7.707	168	268165	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	511702	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	518609	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	221137	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	157321	52.563	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 105.120%	
35) Dibromofluoromethane	7.634	113	161972	52.049	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.100%	
50) Toluene-d8	10.103	98	636307	51.529	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 103.060%	
62) 4-Bromofluorobenzene	12.402	95	225067	56.697	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 113.400%	
Target Compounds						
						Qvalue
16) Acetone	3.866	43	41089	72.634	ug/l	99
25) 2-Butanone	6.896	43	15608	18.957	ug/l #	87

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

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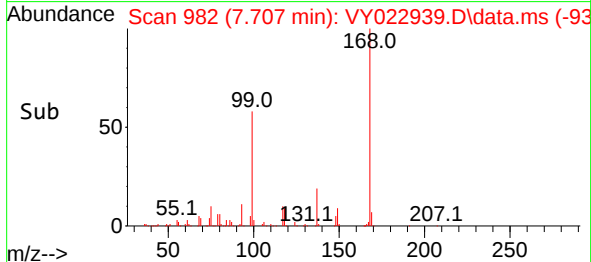
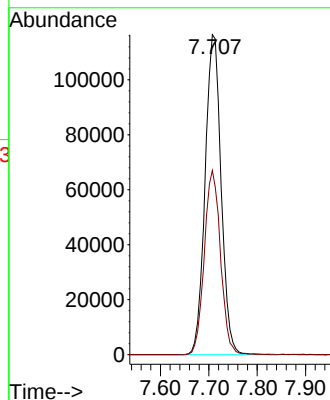
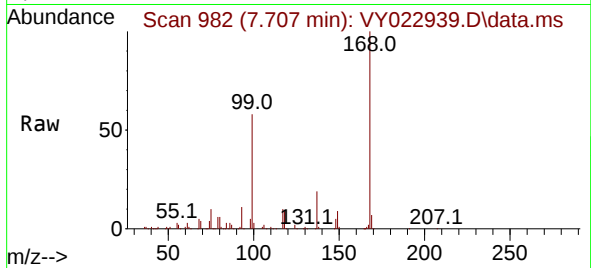




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022939.D
Acq: 03 Jul 2025 13:50

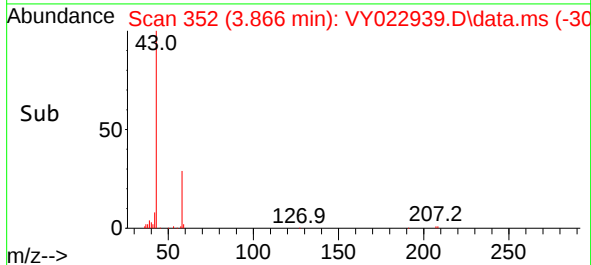
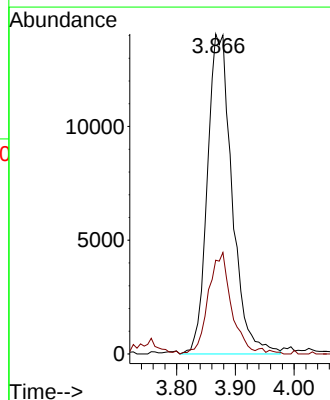
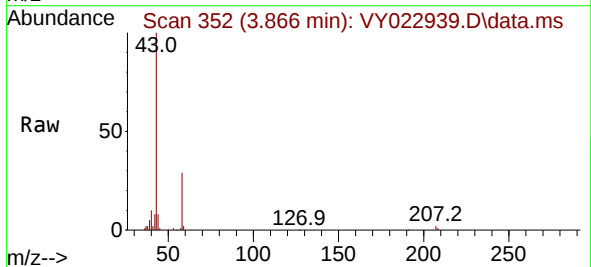
Instrument :
MSVOA_Y
ClientSampleId :
G4(10)

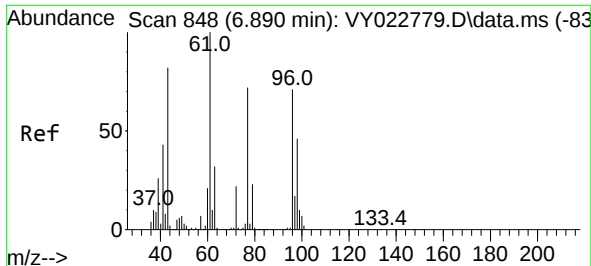
Tgt Ion:168 Resp: 268165
Ion Ratio Lower Upper
168 100
99 57.5 44.3 66.5



#16
Acetone
Concen: 72.634 ug/l
RT: 3.866 min Scan# 352
Delta R.T. -0.012 min
Lab File: VY022939.D
Acq: 03 Jul 2025 13:50

Tgt Ion: 43 Resp: 41089
Ion Ratio Lower Upper
43 100
58 29.3 24.0 36.0

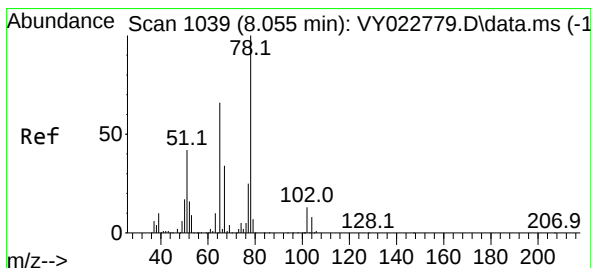
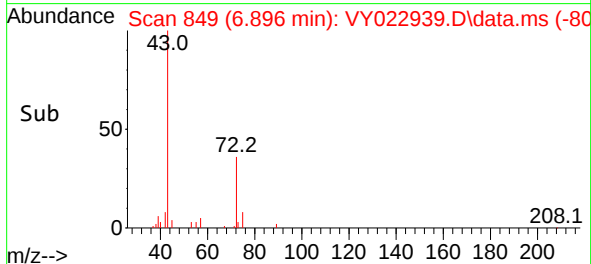
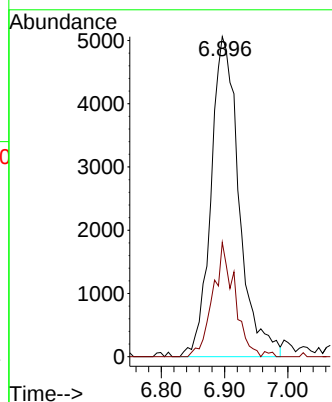
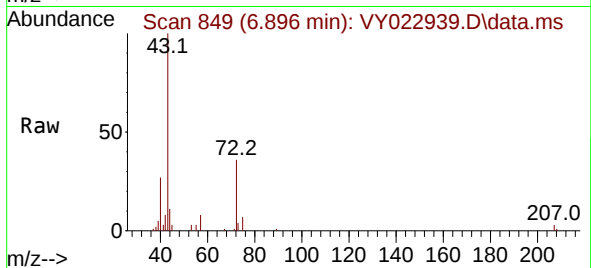




#25
2-Butanone
Concen: 18.957 ug/l
RT: 6.896 min Scan# 84
Delta R.T. -0.006 min
Lab File: VY022939.D
Acq: 03 Jul 2025 13:50

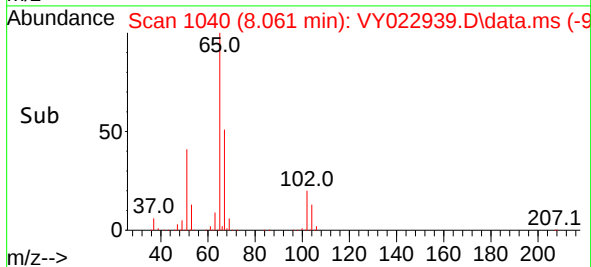
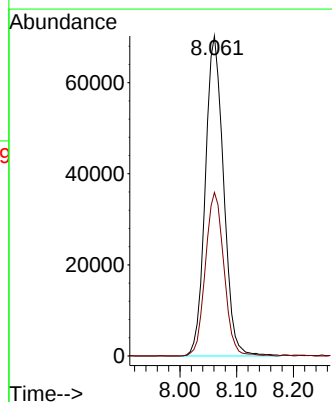
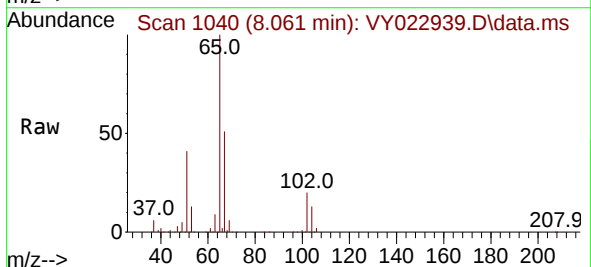
Instrument :
MSVOA_Y
ClientSampleId :
G4(10)

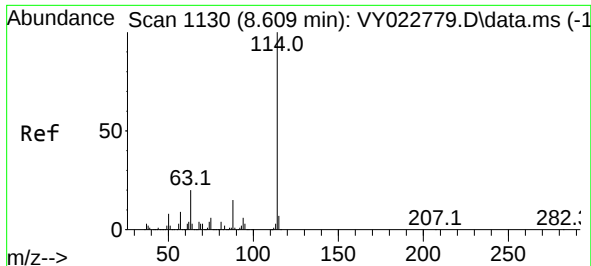
Tgt Ion: 43 Resp: 15608
Ion Ratio Lower Upper
43 100
72 35.7 22.9 34.3#



#33
1,2-Dichloroethane-d4
Concen: 52.563 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022939.D
Acq: 03 Jul 2025 13:50

Tgt Ion: 65 Resp: 157321
Ion Ratio Lower Upper
65 100
67 51.8 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022939.D

Acq: 03 Jul 2025 13:50

Instrument :

MSVOA_Y

ClientSampleId :

G4(10)

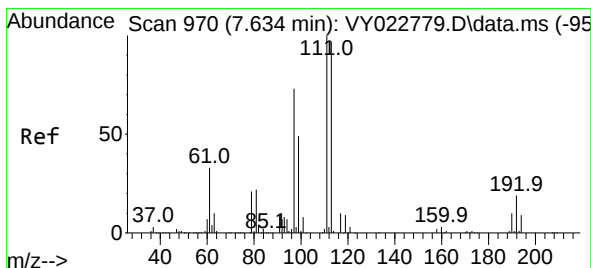
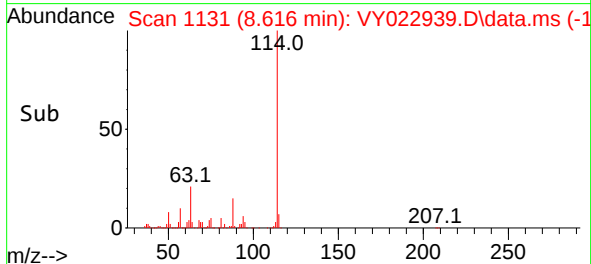
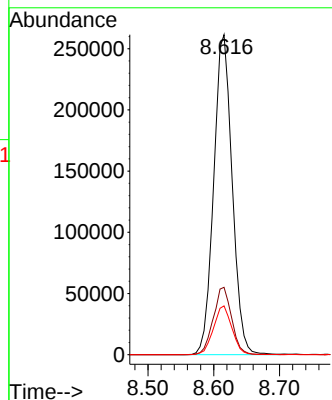
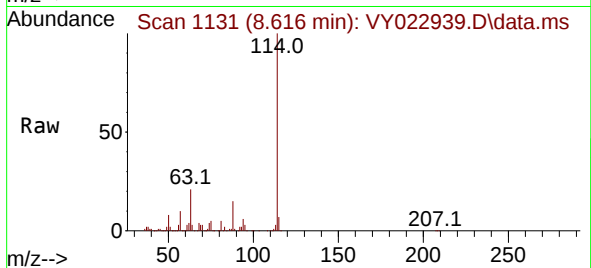
Tgt Ion:114 Resp: 511702

Ion Ratio Lower Upper

114 100

63 21.1 0.0 40.8

88 15.2 0.0 27.8



#35

Dibromofluoromethane

Concen: 52.049 ug/l

RT: 7.634 min Scan# 970

Delta R.T. -0.006 min

Lab File: VY022939.D

Acq: 03 Jul 2025 13:50

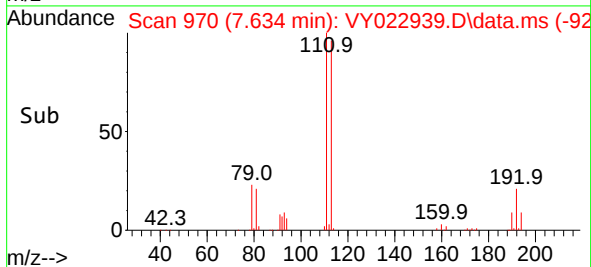
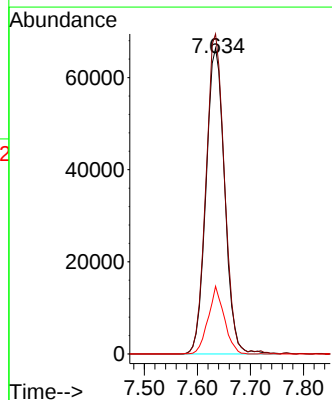
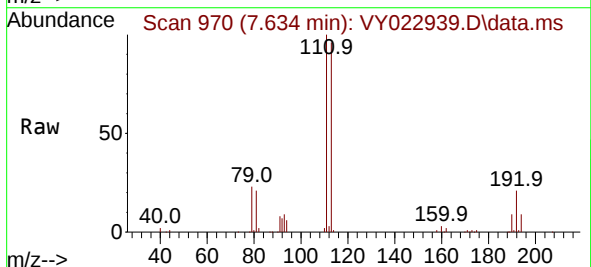
Tgt Ion:113 Resp: 161972

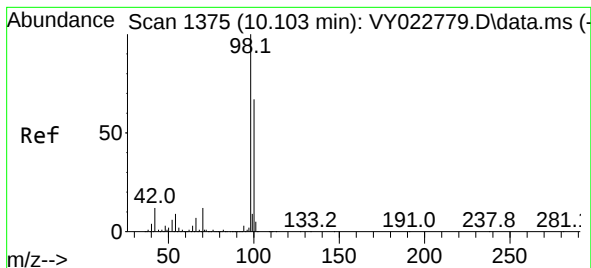
Ion Ratio Lower Upper

113 100

111 103.9 81.1 121.7

192 19.2 14.2 21.2





#50

Toluene-d8

Concen: 51.529 ug/l

RT: 10.103 min Scan# 1375

Delta R.T. -0.006 min

Lab File: VY022939.D

Acq: 03 Jul 2025 13:50

Instrument :

MSVOA_Y

ClientSampleId :

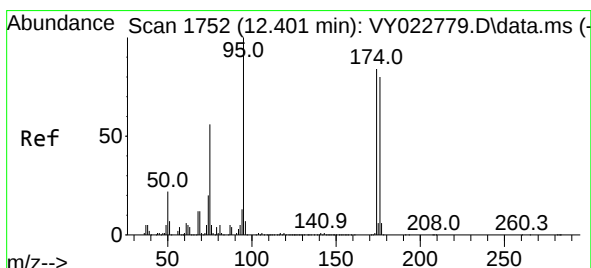
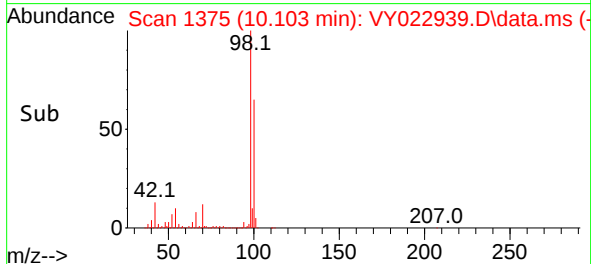
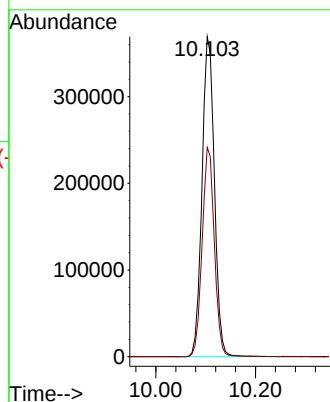
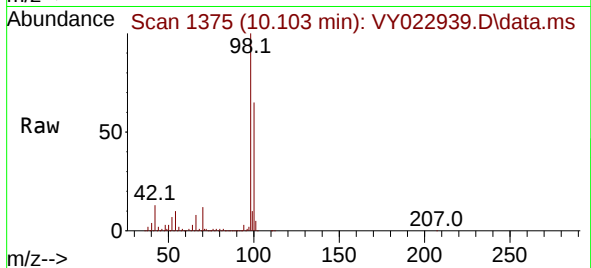
G4(10)

Tgt Ion: 98 Resp: 636307

Ion Ratio Lower Upper

98 100

100 64.3 51.4 77.0



#62

4-Bromofluorobenzene

Concen: 56.697 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.006 min

Lab File: VY022939.D

Acq: 03 Jul 2025 13:50

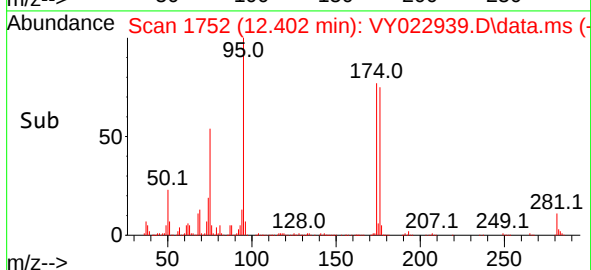
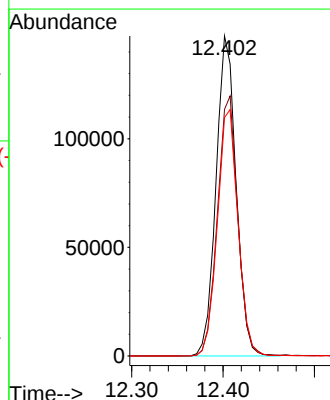
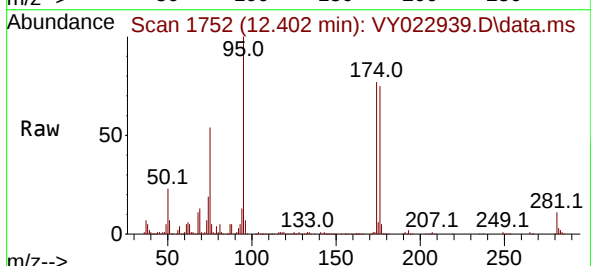
Tgt Ion: 95 Resp: 225067

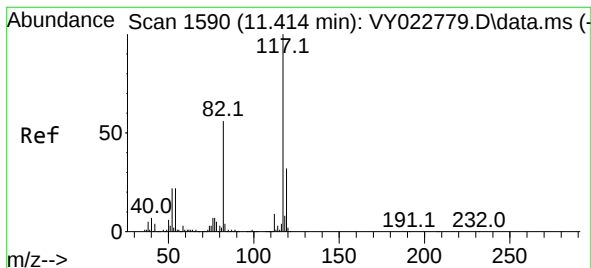
Ion Ratio Lower Upper

95 100

174 82.5 0.0 170.0

176 79.2 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022939.D

Acq: 03 Jul 2025 13:50

Instrument :

MSVOA_Y

ClientSampleId :

G4(10)

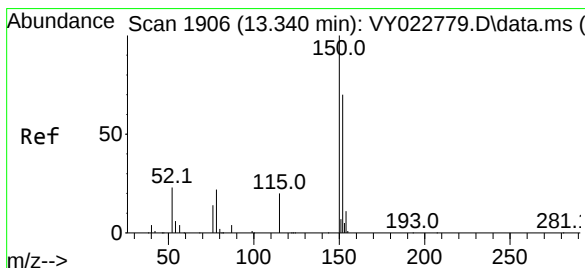
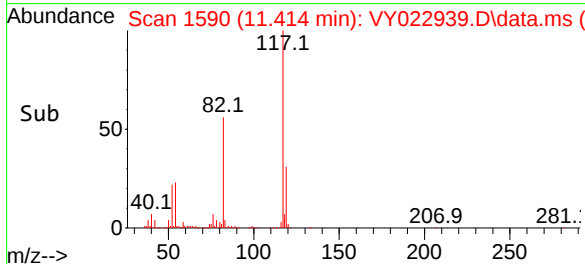
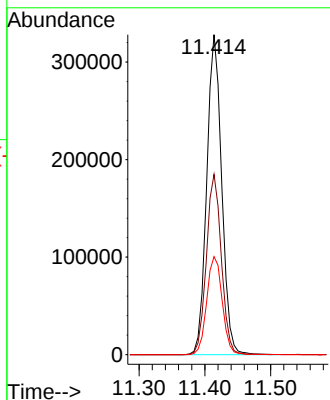
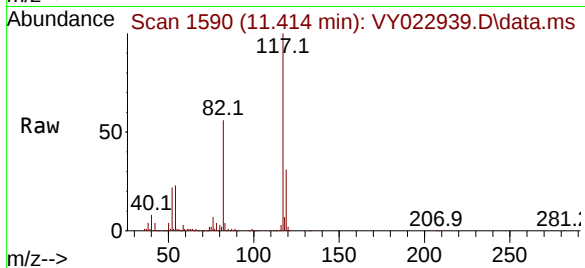
Tgt Ion:117 Resp: 518609

Ion Ratio Lower Upper

117 100

82 56.4 44.6 66.8

119 30.7 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: VY022939.D

Acq: 03 Jul 2025 13:50

Tgt Ion:152 Resp: 221137

Ion Ratio Lower Upper

152 100

115 58.8 28.9 86.7

150 157.5 0.0 349.6

