

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070325\
 Data File : VY022940.D
 Acq On : 03 Jul 2025 14:13
 Operator : SY/MD
 Sample : Q2487-03
 Misc : 6.14g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 G3(9)

Quant Time: Jul 07 08:22:05 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)

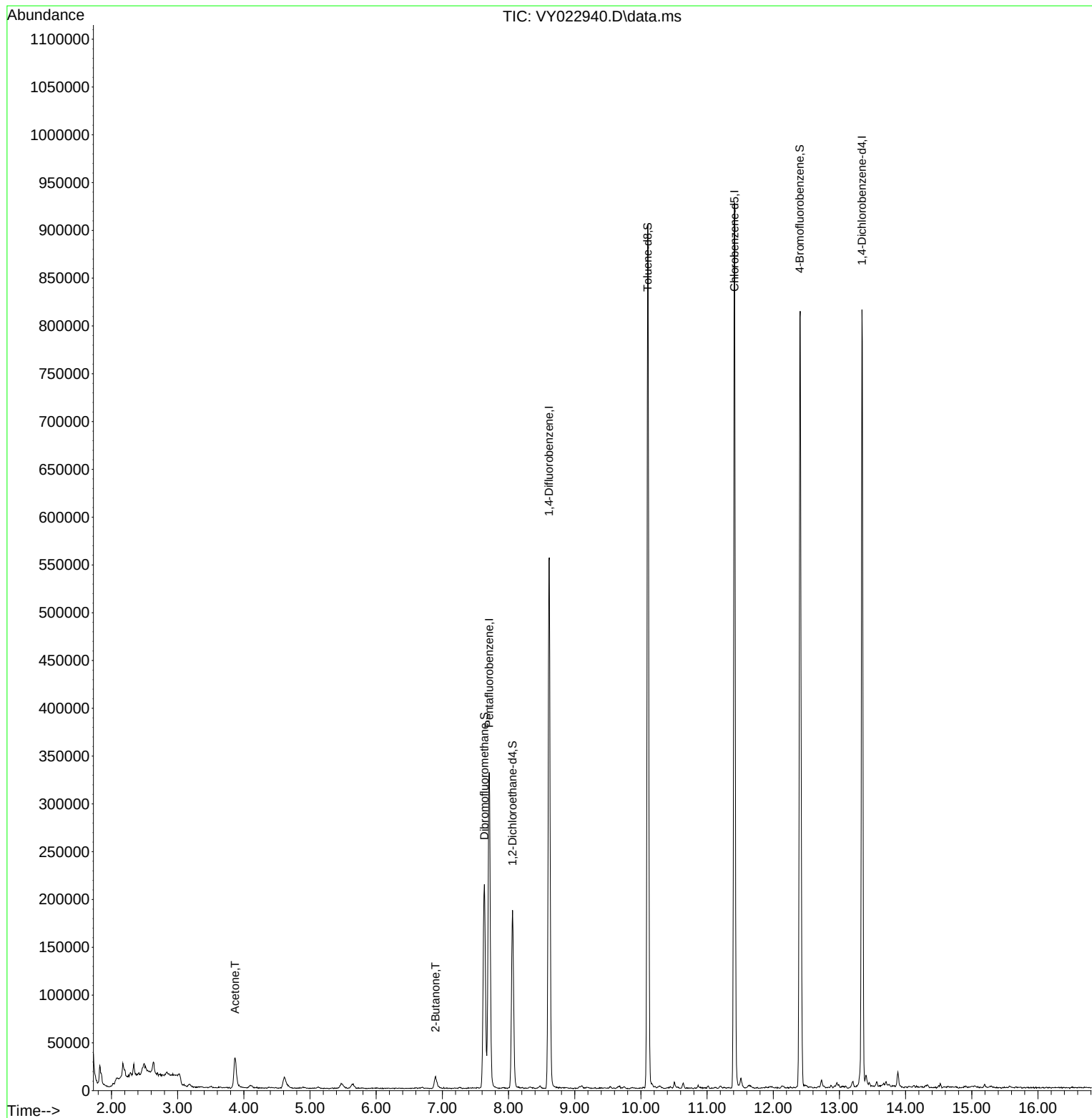
Internal Standards						
1) Pentafluorobenzene	7.707	168	248522	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	472611	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	460662	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.341	152	196307	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	148315	53.471	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 106.940%	
35) Dibromofluoromethane	7.634	113	153843	53.526	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 107.060%	
50) Toluene-d8	10.103	98	577298	50.617	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.240%	
62) 4-Bromofluorobenzene	12.402	95	200658	54.729	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 109.460%	
Target Compounds						
						Qvalue
16) Acetone	3.867	43	56181	107.162	ug/l	97
25) 2-Butanone	6.897	43	19980	26.185	ug/l #	89

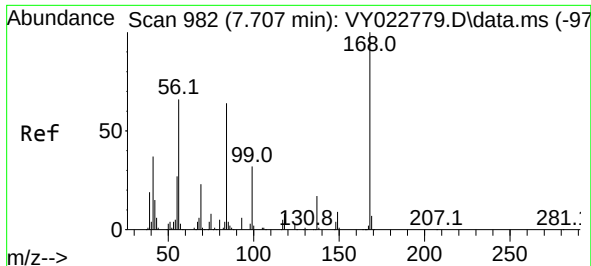
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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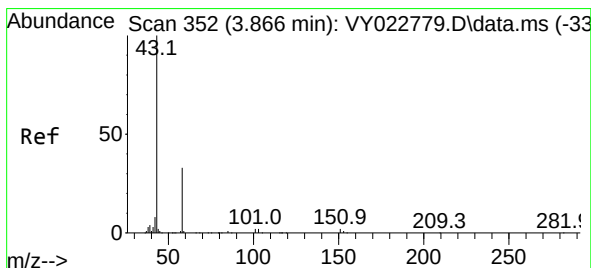
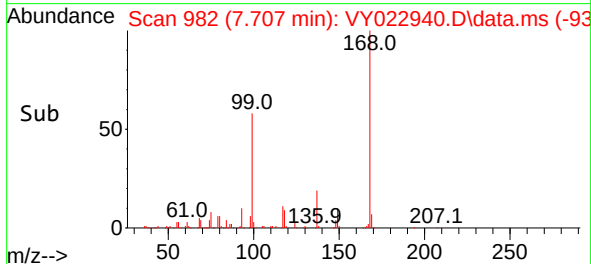
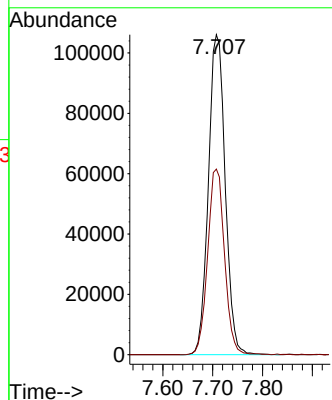
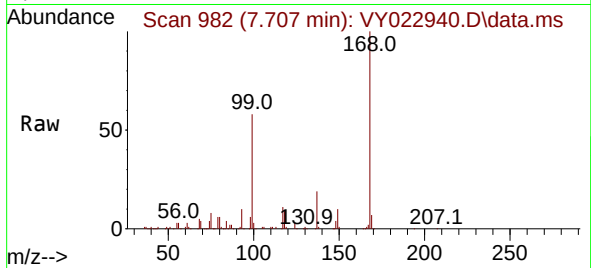




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022940.D
Acq: 03 Jul 2025 14:13

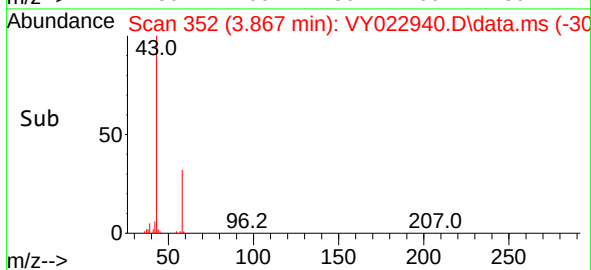
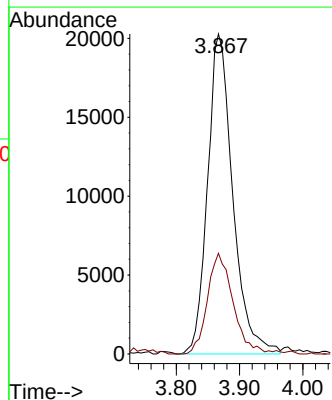
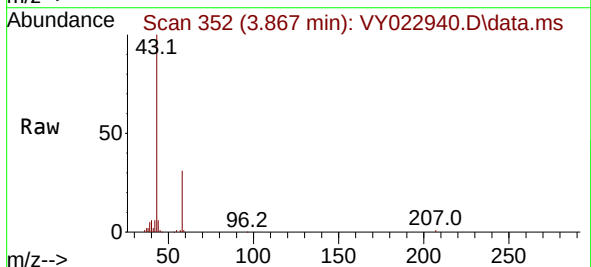
Instrument :
MSVOA_Y
ClientSampleId :
G3(9)

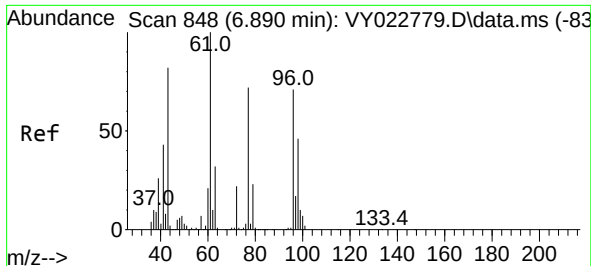
Tgt Ion:168 Resp: 248522
Ion Ratio Lower Upper
168 100
99 58.0 44.3 66.5



#16
Acetone
Concen: 107.162 ug/l
RT: 3.867 min Scan# 352
Delta R.T. -0.012 min
Lab File: VY022940.D
Acq: 03 Jul 2025 14:13

Tgt Ion: 43 Resp: 56181
Ion Ratio Lower Upper
43 100
58 31.4 24.0 36.0

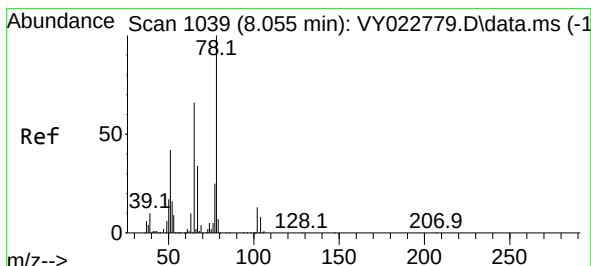
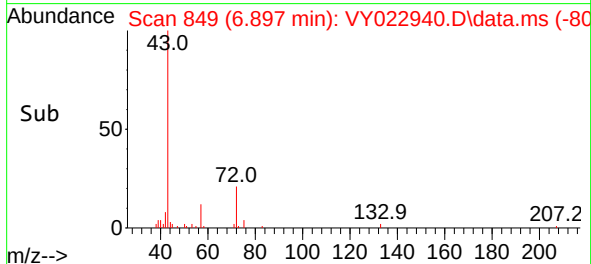
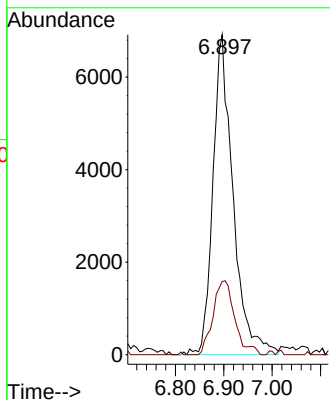
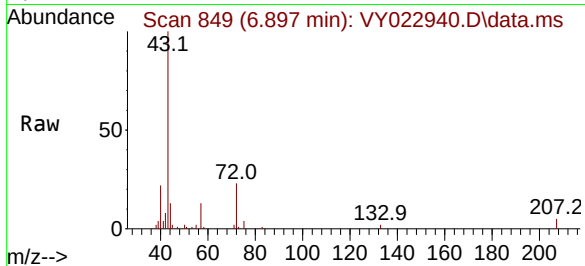




#25
2-Butanone
Concen: 26.185 ug/l
RT: 6.897 min Scan# 848
Delta R.T. -0.006 min
Lab File: VY022940.D
Acq: 03 Jul 2025 14:13

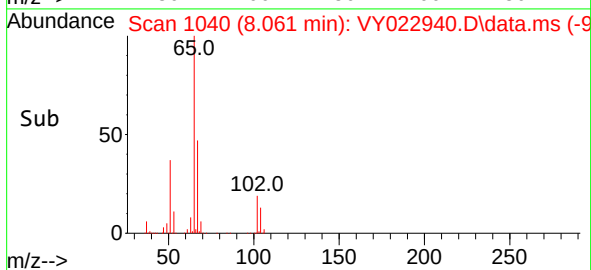
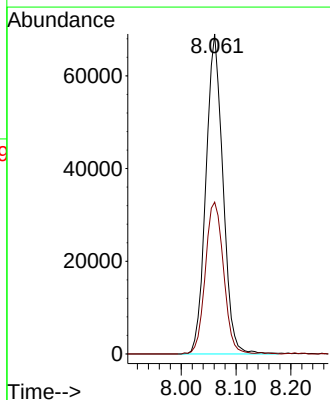
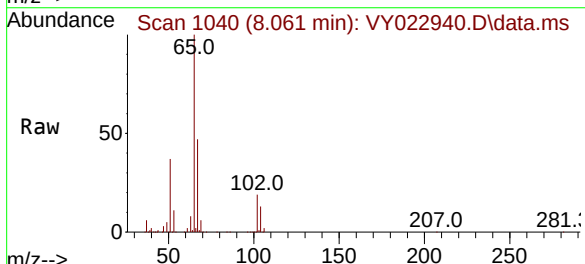
Instrument :
MSVOA_Y
ClientSampleId :
G3(9)

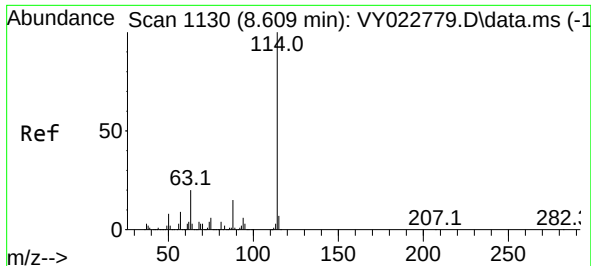
Tgt Ion: 43 Resp: 19980
Ion Ratio Lower Upper
43 100
72 22.9 22.9 34.3#



#33
1,2-Dichloroethane-d4
Concen: 53.471 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022940.D
Acq: 03 Jul 2025 14:13

Tgt Ion: 65 Resp: 148315
Ion Ratio Lower Upper
65 100
67 50.9 0.0 103.4

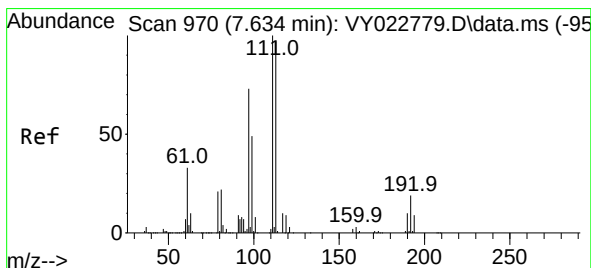
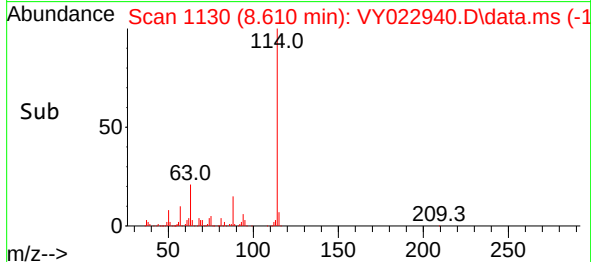
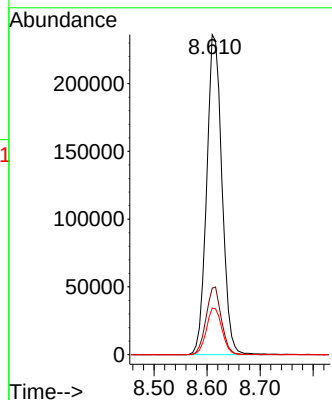
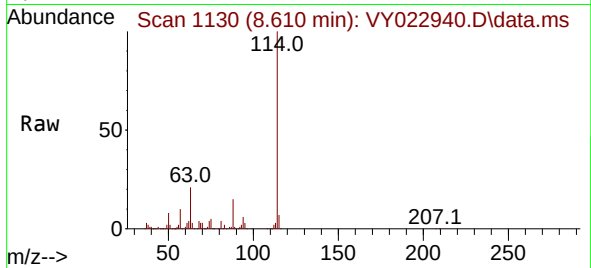




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VY022940.D
Acq: 03 Jul 2025 14:13

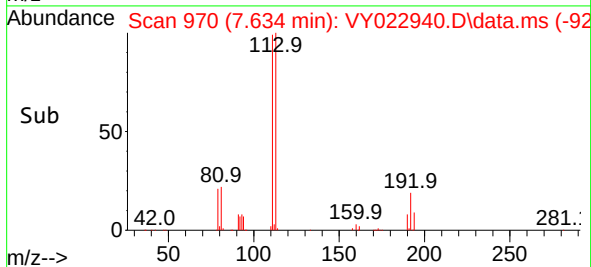
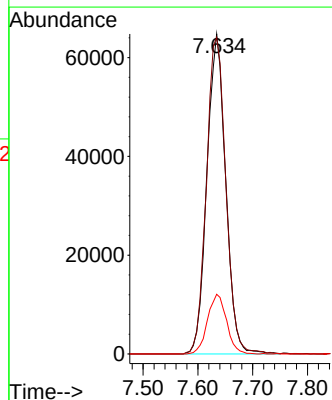
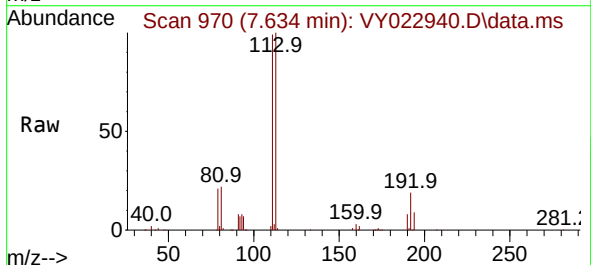
Instrument :
MSVOA_Y
ClientSampleId :
G3(9)

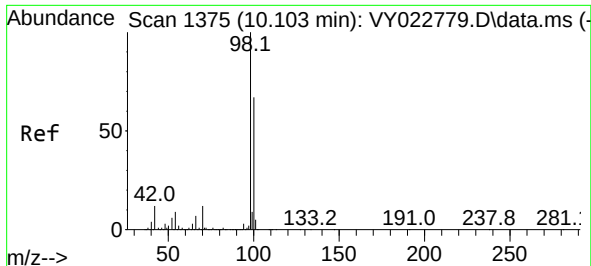
Tgt Ion:114 Resp: 472611
Ion Ratio Lower Upper
114 100
63 20.8 0.0 40.8
88 14.6 0.0 27.8



#35
Dibromofluoromethane
Concen: 53.526 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022940.D
Acq: 03 Jul 2025 14:13

Tgt Ion:113 Resp: 153843
Ion Ratio Lower Upper
113 100
111 102.5 81.1 121.7
192 18.9 14.2 21.2

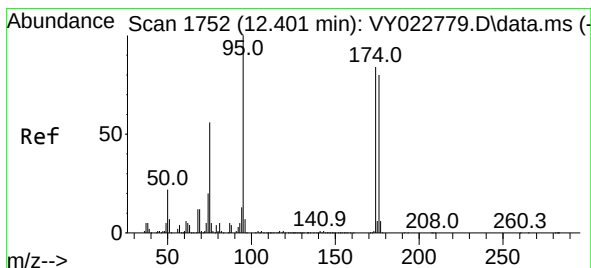
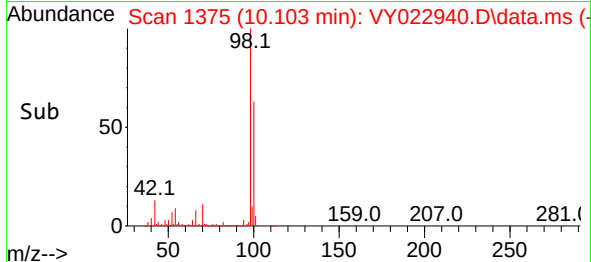
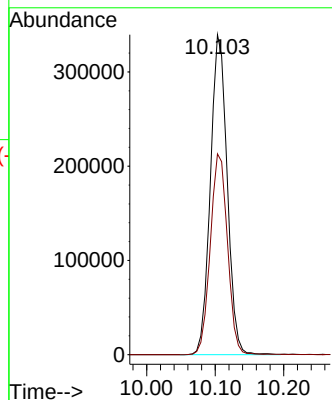
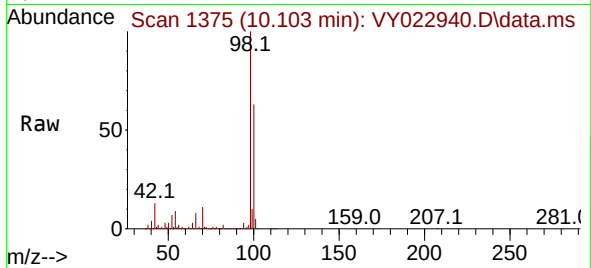




#50
Toluene-d8
Concen: 50.617 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022940.D
Acq: 03 Jul 2025 14:13

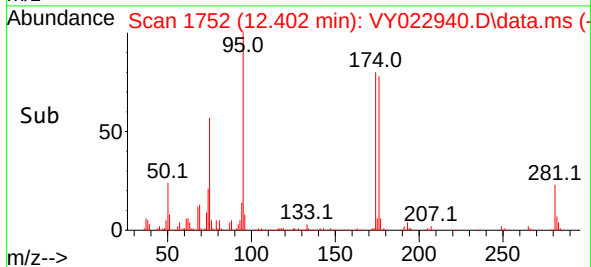
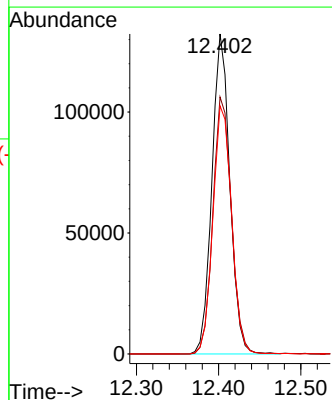
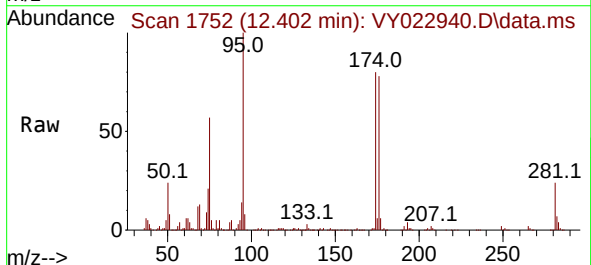
Instrument :
MSVOA_Y
ClientSampleId :
G3(9)

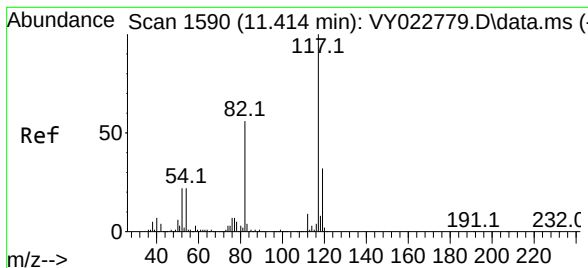
Tgt Ion: 98 Resp: 577298
Ion Ratio Lower Upper
98 100
100 64.2 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 54.729 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022940.D
Acq: 03 Jul 2025 14:13

Tgt Ion: 95 Resp: 200658
Ion Ratio Lower Upper
95 100
174 82.8 0.0 170.0
176 81.2 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: VY022940.D

Acq: 03 Jul 2025 14:13

Instrument :

MSVOA_Y

ClientSampleId :

G3(9)

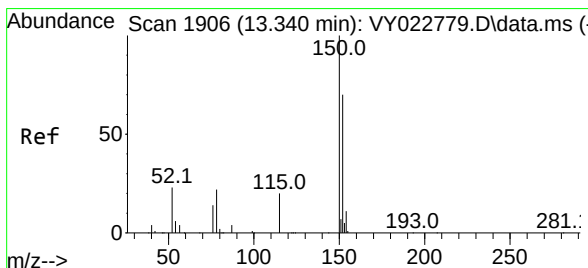
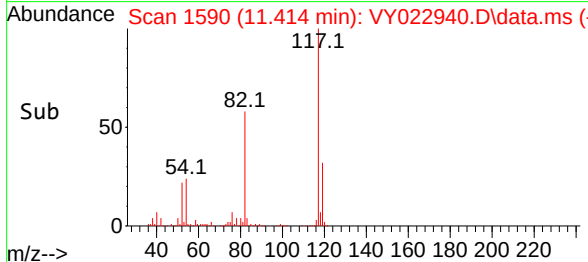
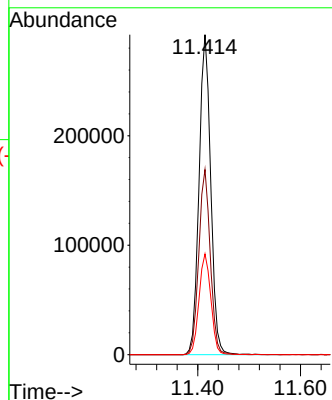
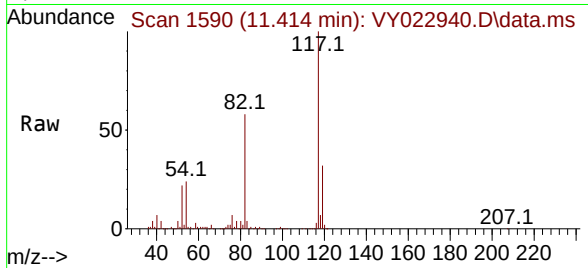
Tgt Ion:117 Resp: 460662

Ion Ratio Lower Upper

117 100

82 57.8 44.6 66.8

119 31.5 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.341 min Scan# 1906

Delta R.T. -0.006 min

Lab File: VY022940.D

Acq: 03 Jul 2025 14:13

Tgt Ion:152 Resp: 196307

Ion Ratio Lower Upper

152 100

115 57.6 28.9 86.7

150 156.5 0.0 349.6

