

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070325\
 Data File : VY022937.D
 Acq On : 03 Jul 2025 13:03
 Operator : SY/MD
 Sample : Q2458-09
 Misc : 7.23g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-59

Quant Time: Jul 04 03:18:57 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)

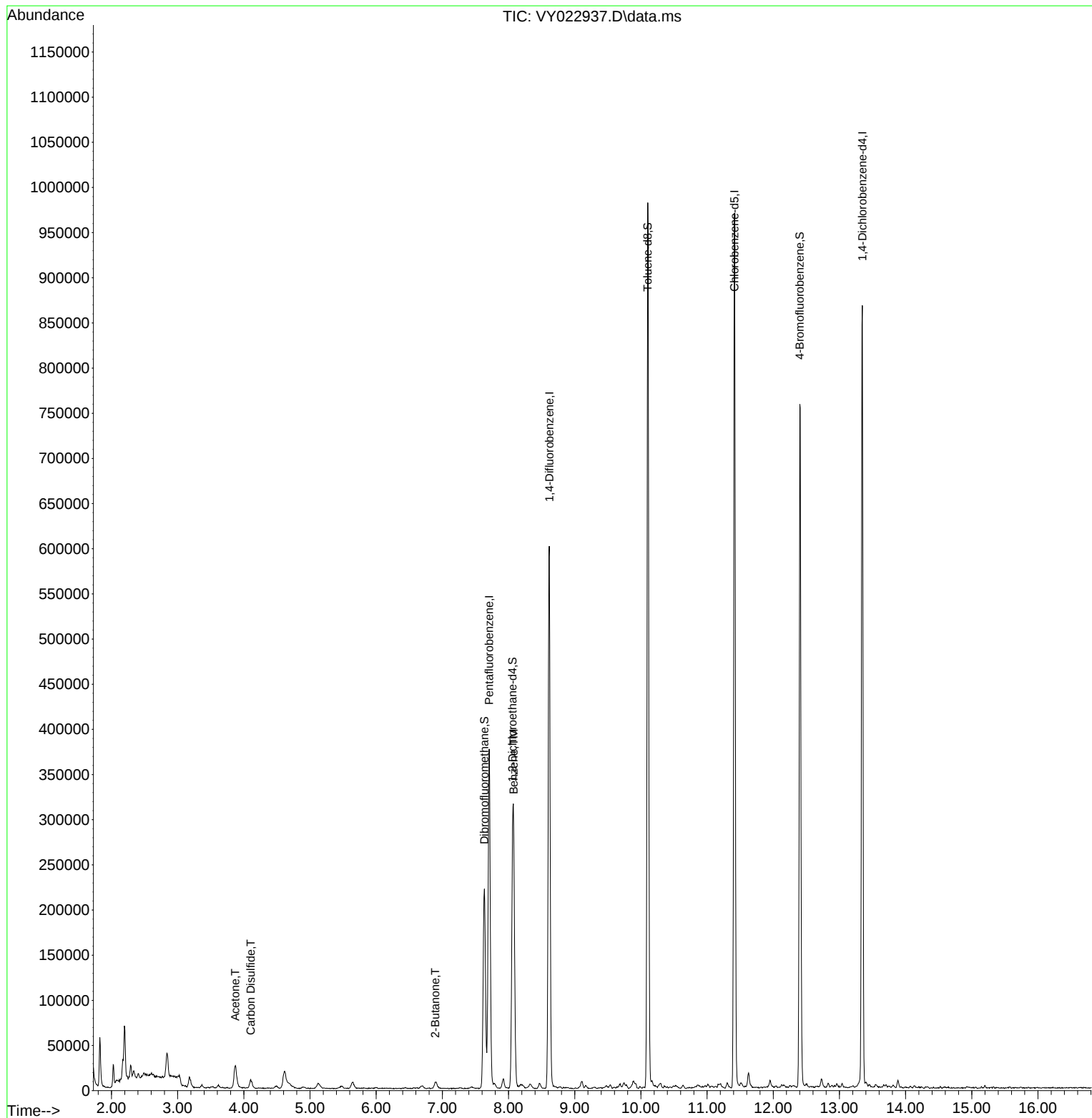
Internal Standards						
1) Pentafluorobenzene	7.707	168	268585	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	499539	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	495456	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	213523	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	161010	53.712	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 107.420%	
35) Dibromofluoromethane	7.634	113	157764	51.931	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 103.860%	
50) Toluene-d8	10.103	98	621695	51.571	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 103.140%	
62) 4-Bromofluorobenzene	12.402	95	216375	55.834	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 111.660%	
Target Compounds						
					Qvalue	
16) Acetone	3.873	43	46020	81.224	ug/l	97
17) Carbon Disulfide	4.104	76	18098	2.061	ug/l	99
25) 2-Butanone	6.890	43	12916	15.663	ug/l	93
40) Benzene	8.079	78	183825	12.984	ug/l	100

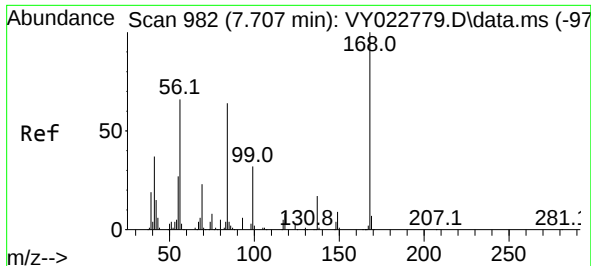
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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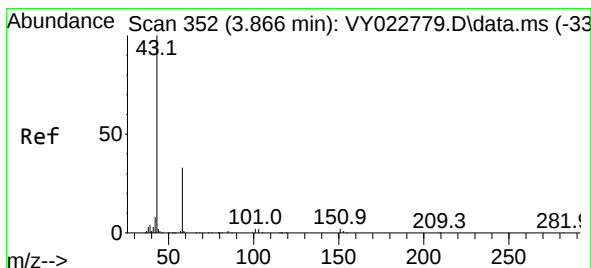
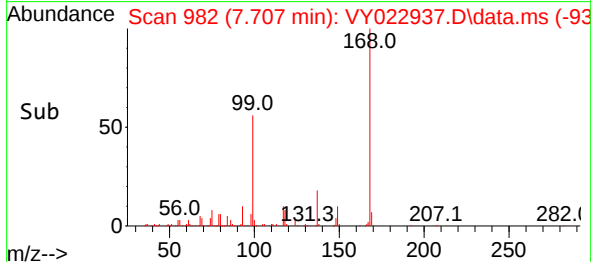
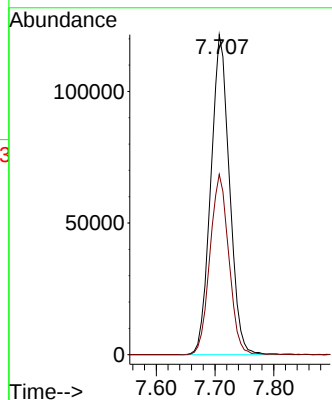
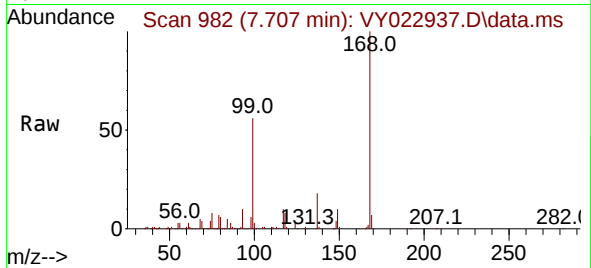




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022937.D
Acq: 03 Jul 2025 13:03

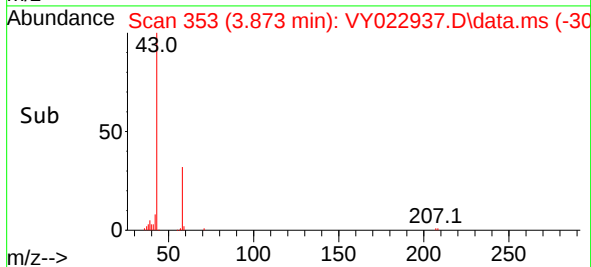
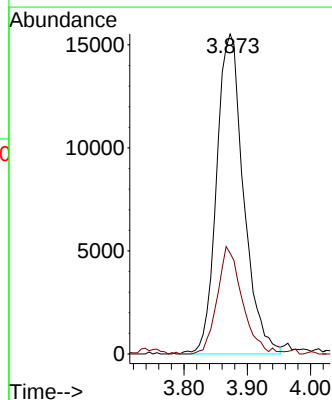
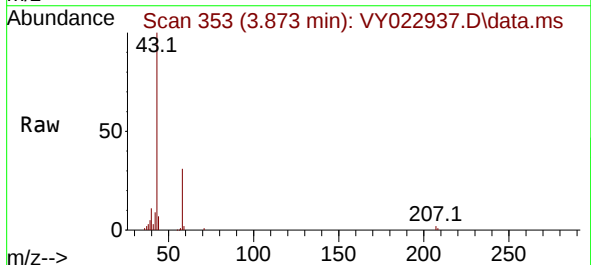
Instrument :
MSVOA_Y
ClientSampleId :
TP-59

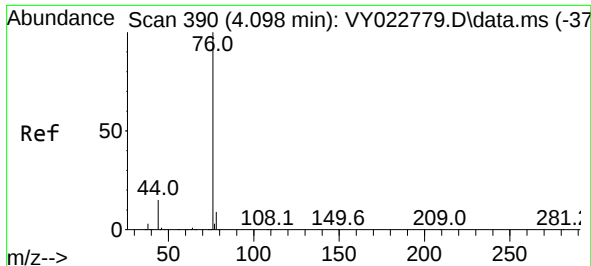
Tgt Ion:168 Resp: 268585
Ion Ratio Lower Upper
168 100
99 56.4 44.3 66.5



#16
Acetone
Concen: 81.224 ug/l
RT: 3.873 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY022937.D
Acq: 03 Jul 2025 13:03

Tgt Ion: 43 Resp: 46020
Ion Ratio Lower Upper
43 100
58 31.5 24.0 36.0

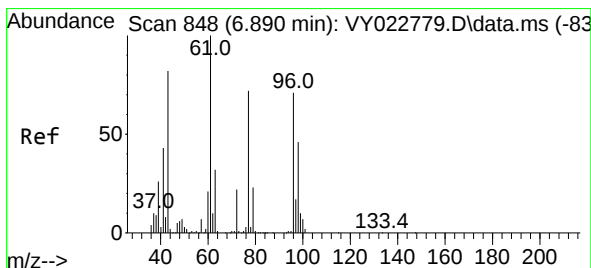
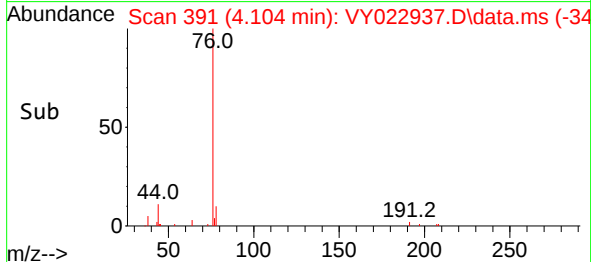
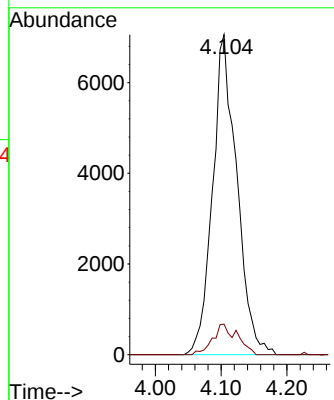
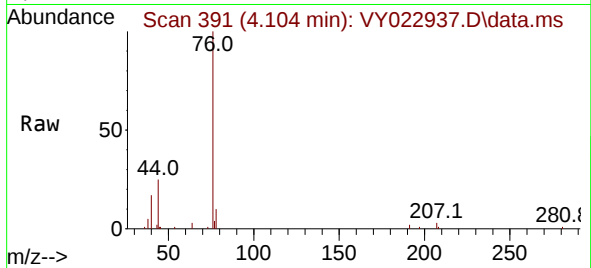




#17
Carbon Disulfide
Concen: 2.061 ug/l
RT: 4.104 min Scan# 391
Delta R.T. -0.006 min
Lab File: VY022937.D
Acq: 03 Jul 2025 13:03

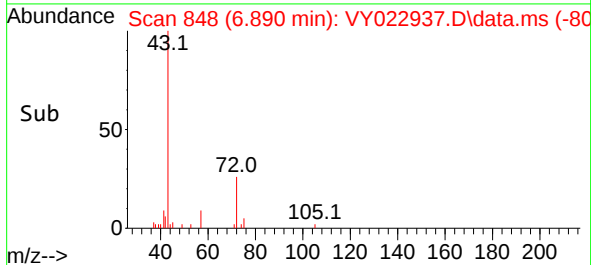
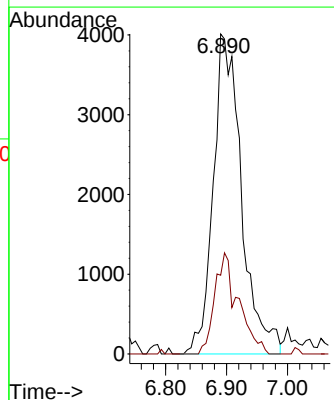
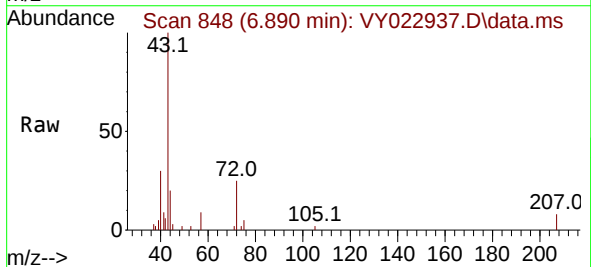
Instrument :
MSVOA_Y
ClientSampleId :
TP-59

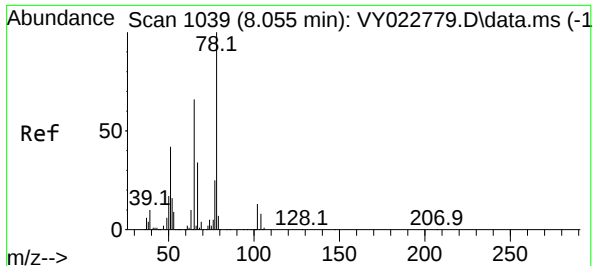
Tgt Ion: 76 Resp: 18098
Ion Ratio Lower Upper
76 100
78 9.6 7.4 11.2



#25
2-Butanone
Concen: 15.663 ug/l
RT: 6.890 min Scan# 848
Delta R.T. -0.012 min
Lab File: VY022937.D
Acq: 03 Jul 2025 13:03

Tgt Ion: 43 Resp: 12916
Ion Ratio Lower Upper
43 100
72 24.6 22.9 34.3





#33

1,2-Dichloroethane-d4

Concen: 53.712 ug/l

RT: 8.061 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY022937.D

Acq: 03 Jul 2025 13:03

Instrument :

MSVOA_Y

ClientSampleId :

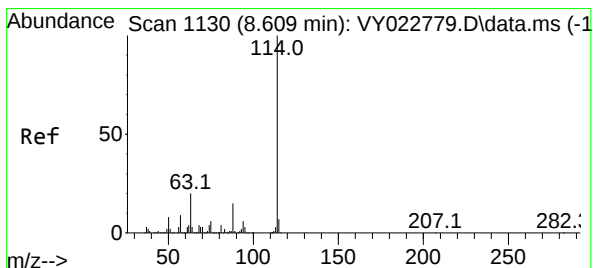
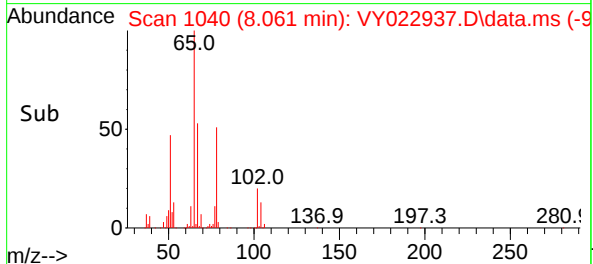
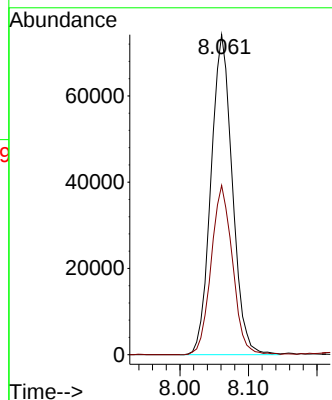
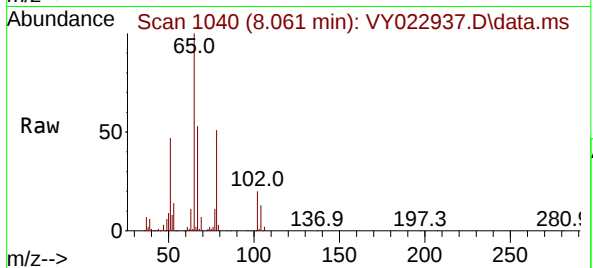
TP-59

Tgt Ion: 65 Resp: 161010

Ion Ratio Lower Upper

65 100

67 52.8 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: VY022937.D

Acq: 03 Jul 2025 13:03

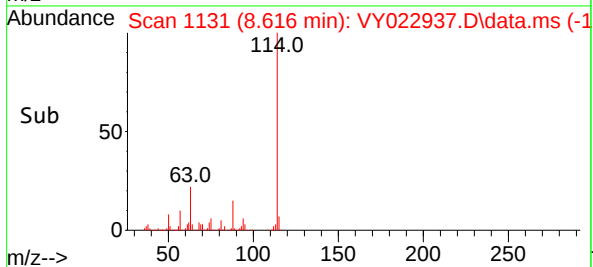
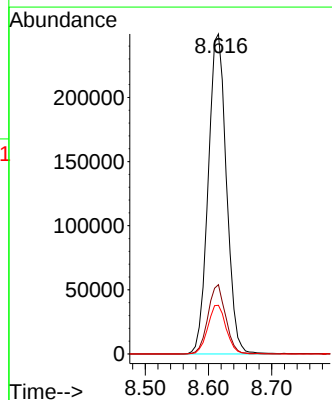
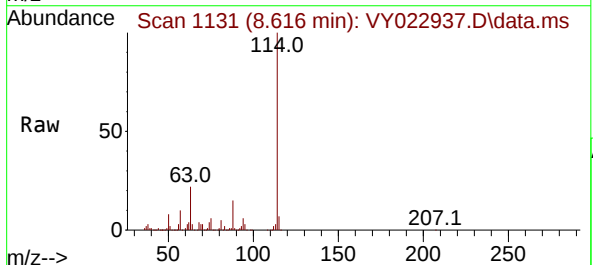
Tgt Ion:114 Resp: 499539

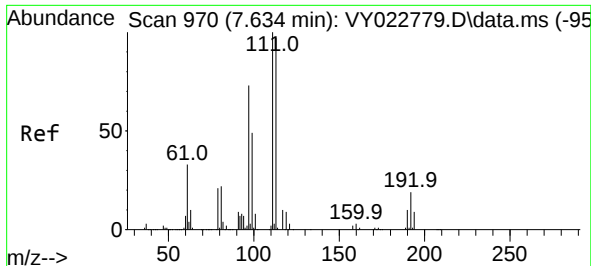
Ion Ratio Lower Upper

114 100

63 21.7 0.0 40.8

88 15.2 0.0 27.8

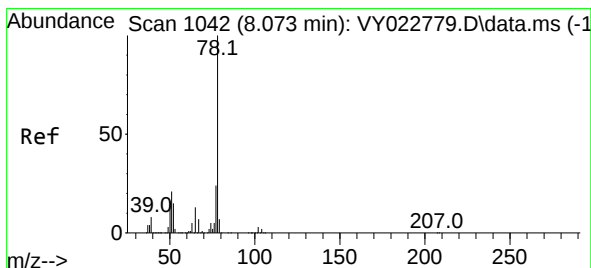
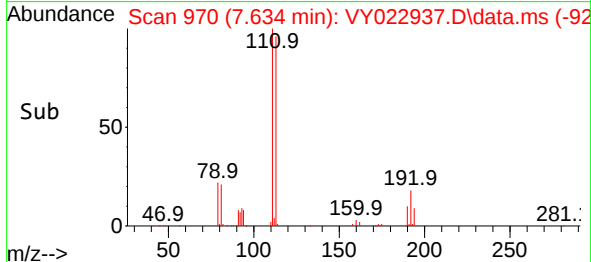
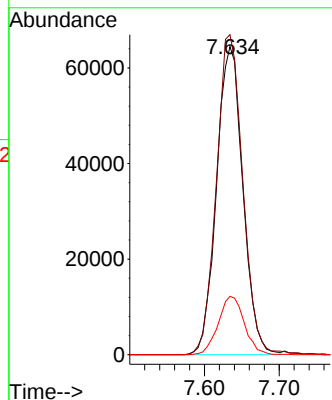
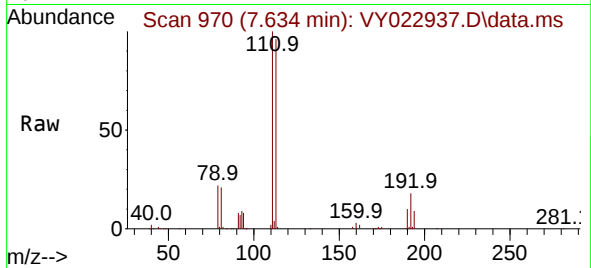




#35
Dibromofluoromethane
Concen: 51.931 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022937.D
Acq: 03 Jul 2025 13:03

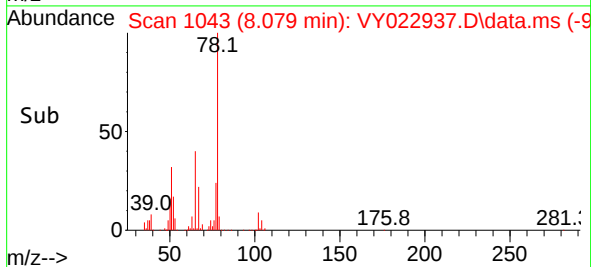
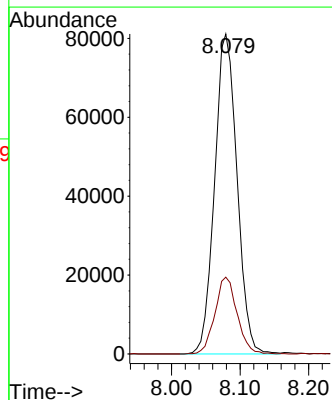
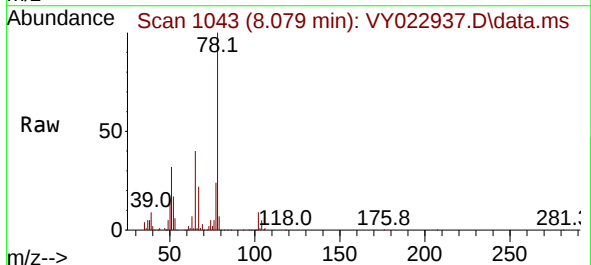
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ClientSampleId :
TP-59

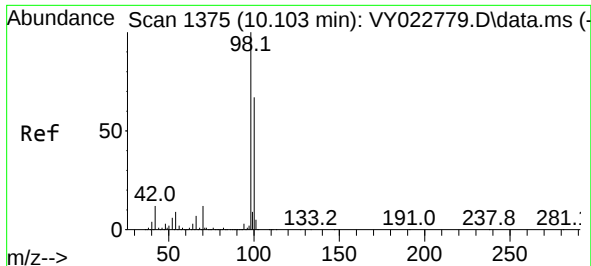
Tgt Ion:113 Resp: 157764
Ion Ratio Lower Upper
113 100
111 104.5 81.1 121.7
192 18.8 14.2 21.2



#40
Benzene
Concen: 12.984 ug/l
RT: 8.079 min Scan# 1043
Delta R.T. -0.006 min
Lab File: VY022937.D
Acq: 03 Jul 2025 13:03

Tgt Ion: 78 Resp: 183825
Ion Ratio Lower Upper
78 100
77 24.0 19.3 28.9

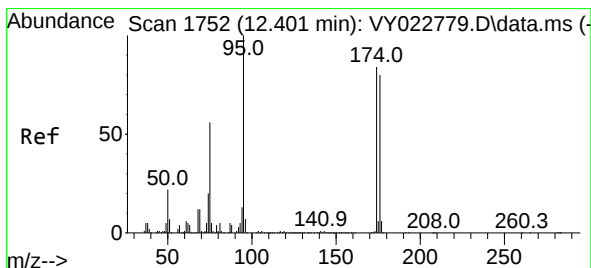
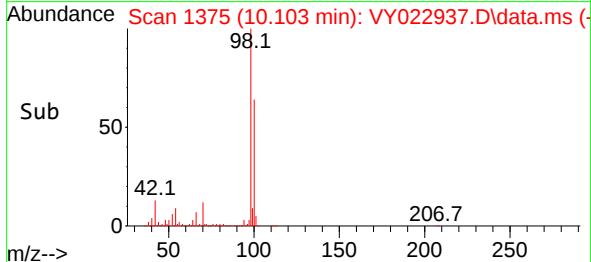
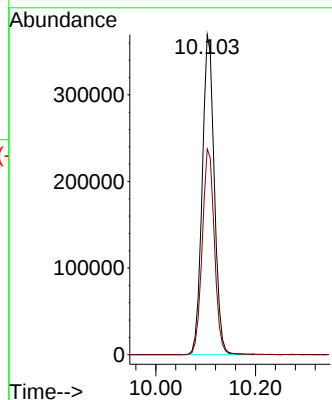
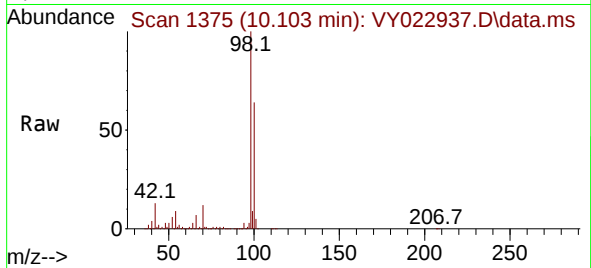




#50
Toluene-d8
Concen: 51.571 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022937.D
Acq: 03 Jul 2025 13:03

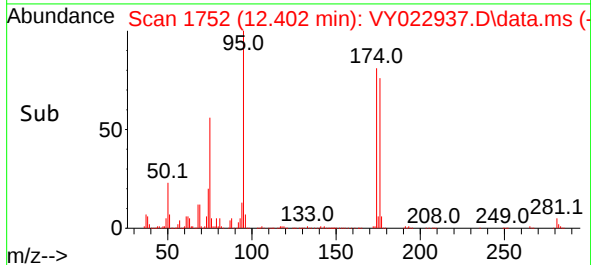
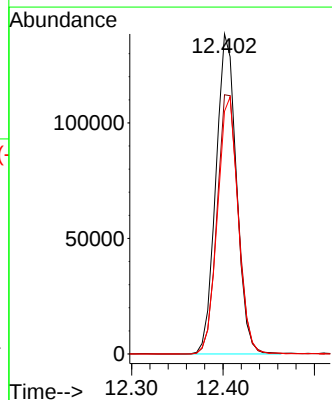
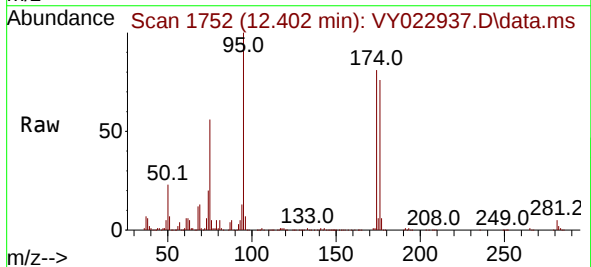
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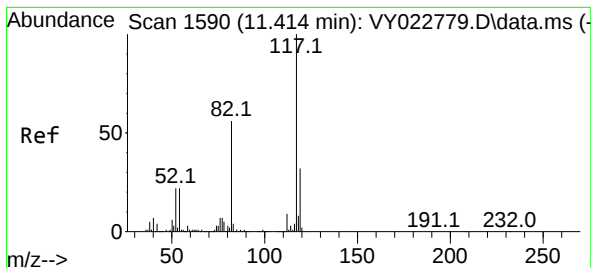
Tgt Ion: 98 Resp: 621695
Ion Ratio Lower Upper
98 100
100 64.7 51.4 77.0



#62
4-Bromofluorobenzene
Concen: 55.834 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022937.D
Acq: 03 Jul 2025 13:03

Tgt Ion: 95 Resp: 216375
Ion Ratio Lower Upper
95 100
174 83.6 0.0 170.0
176 80.7 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: VY022937.D

Acq: 03 Jul 2025 13:03

Instrument :

MSVOA_Y

ClientSampleId :

TP-59

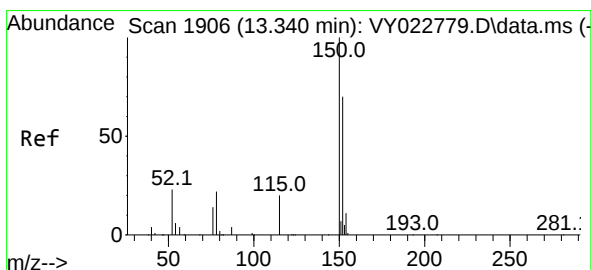
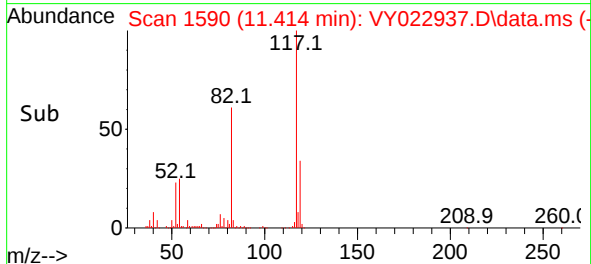
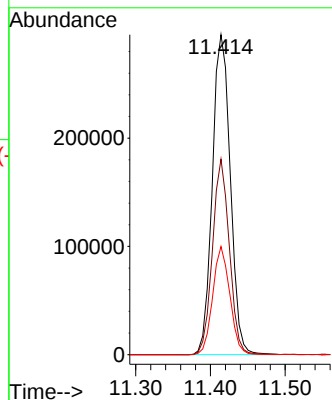
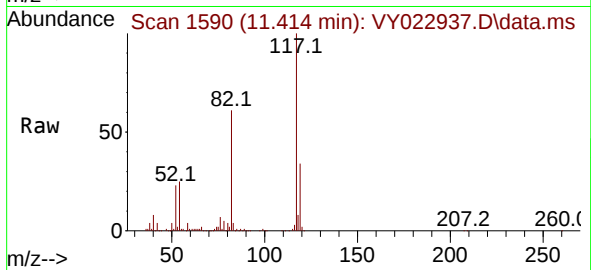
Tgt Ion:117 Resp: 495456

Ion Ratio Lower Upper

117 100

82 61.1 44.6 66.8

119 33.8 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022937.D

Acq: 03 Jul 2025 13:03

Tgt Ion:152 Resp: 213523

Ion Ratio Lower Upper

152 100

115 58.3 28.9 86.7

150 156.3 0.0 349.6

