

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070825\
 Data File : VY022974.D
 Acq On : 08 Jul 2025 14:40
 Operator : SY/MD
 Sample : Q2484-05
 Misc : 4.63g/5.0mL/MSVOA_Y/SOIL/B
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-106

Quant Time: Jul 09 02:31:54 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)

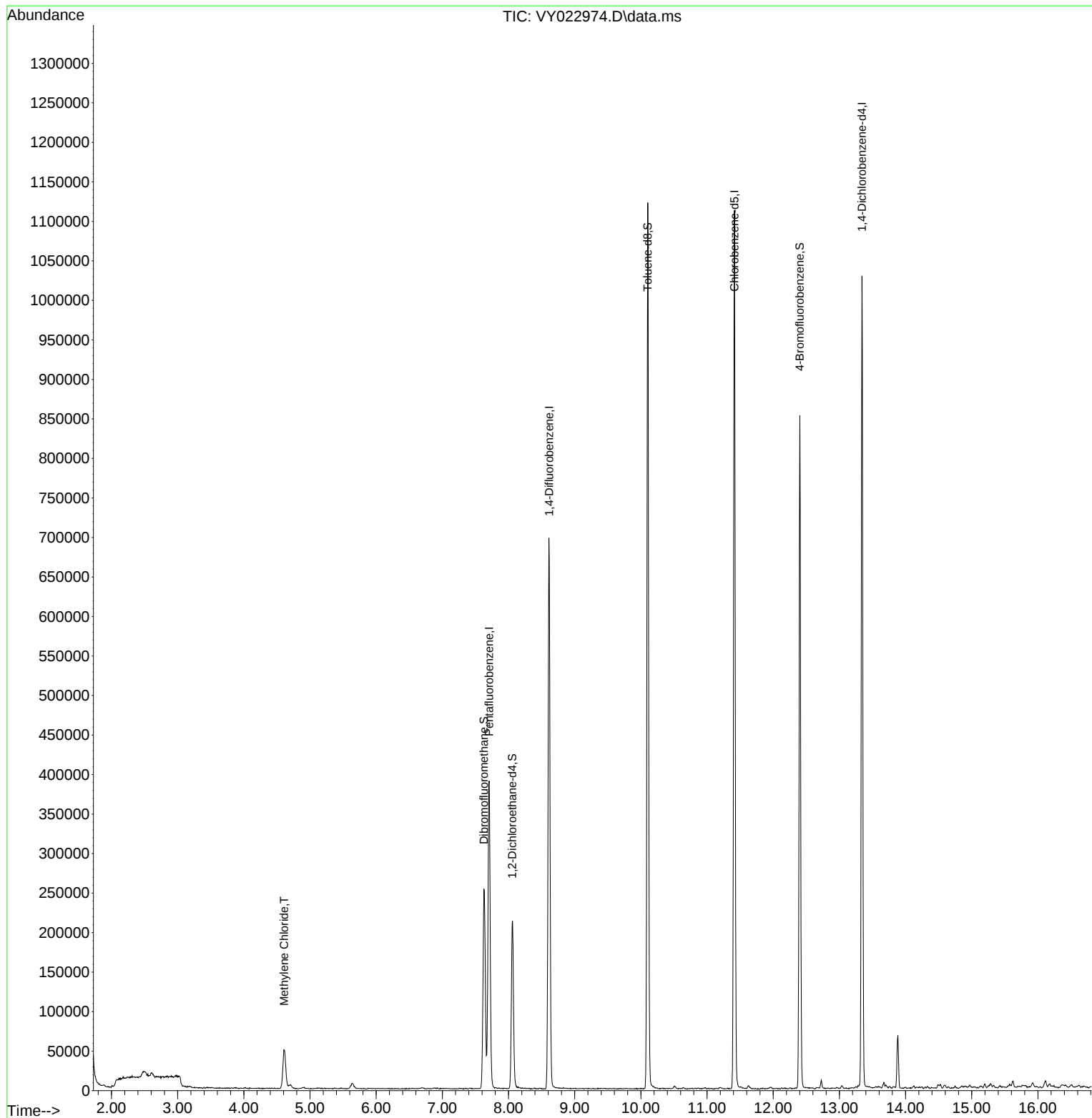
Internal Standards						
1) Pentafluorobenzene	7.707	168	295032	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	579416	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	569839	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	250116	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	168761	51.251	ug/l	-0.01
Spiked Amount	50.000	Range	50 - 163	Recovery	= 102.500%	
35) Dibromofluoromethane	7.628	113	181157	51.411	ug/l	-0.01
Spiked Amount	50.000	Range	54 - 147	Recovery	= 102.820%	
50) Toluene-d8	10.103	98	710656	50.824	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.640%	
62) 4-Bromofluorobenzene	12.402	95	243316	54.131	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 108.260%	
Target Compounds						Qvalue
20) Methylene Chloride	4.610	84	35154	8.944	ug/l	96

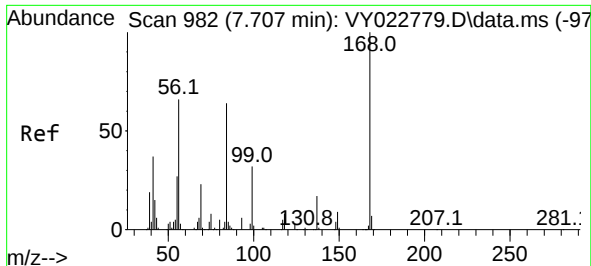
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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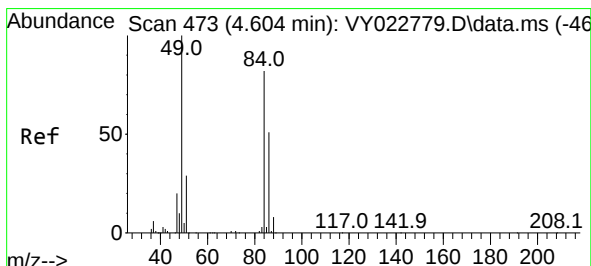
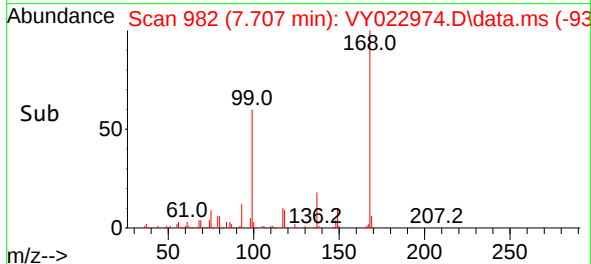
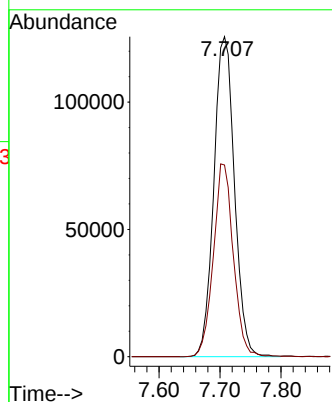
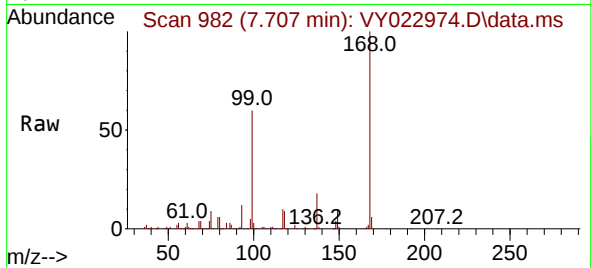




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.006 min
Lab File: VY022974.D
Acq: 08 Jul 2025 14:40

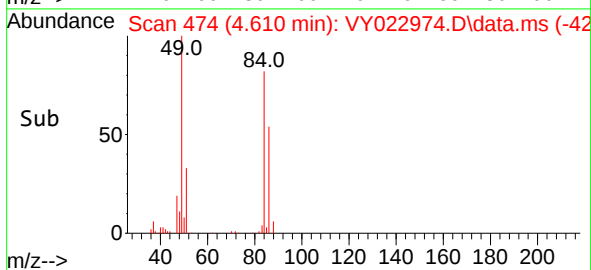
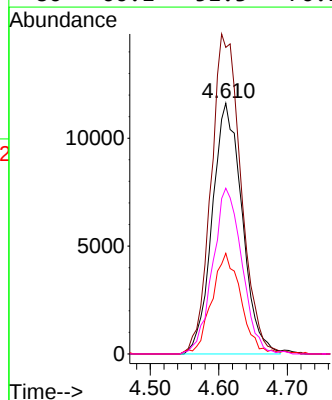
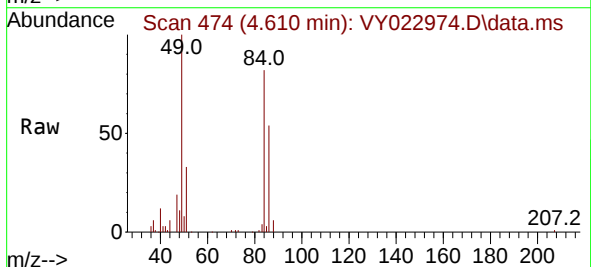
Instrument :
MSVOA_Y
ClientSampleId :
TP-106

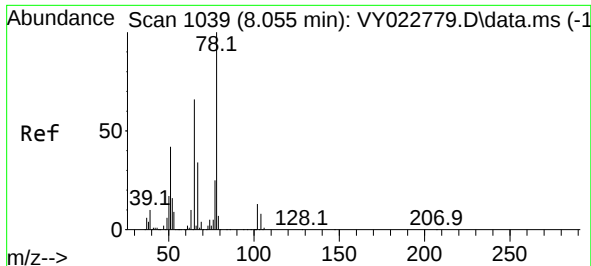
Tgt Ion:168 Resp: 295032
Ion Ratio Lower Upper
168 100
99 59.9 44.3 66.5



#20
Methylene Chloride
Concen: 8.944 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.012 min
Lab File: VY022974.D
Acq: 08 Jul 2025 14:40

Tgt Ion: 84 Resp: 35154
Ion Ratio Lower Upper
84 100
49 122.2 101.9 152.9
51 40.1 29.8 44.8
86 66.1 51.3 76.9





#33

1,2-Dichloroethane-d4

Concen: 51.251 ug/l

RT: 8.055 min Scan# 1

Delta R.T. -0.012 min

Lab File: VY022974.D

Acq: 08 Jul 2025 14:40

Instrument :

MSVOA_Y

ClientSampleId :

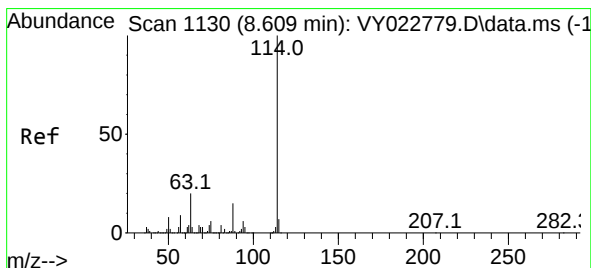
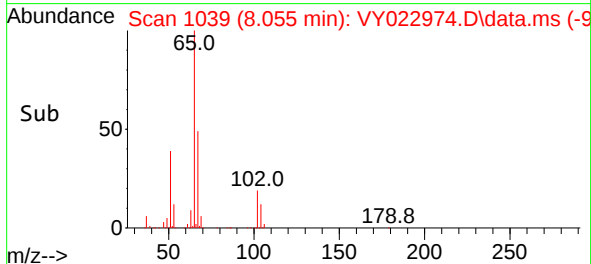
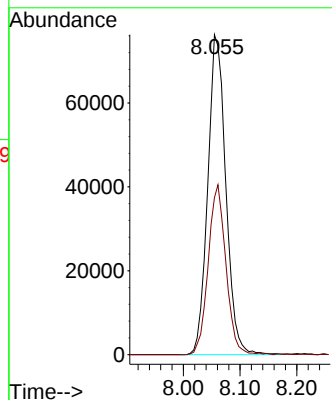
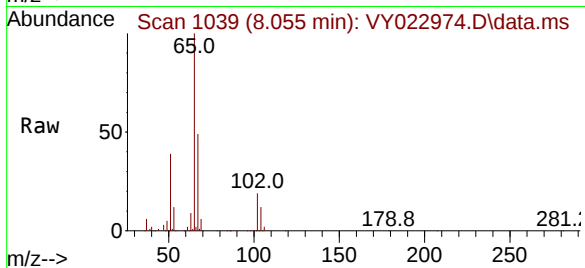
TP-106

Tgt Ion: 65 Resp: 168761

Ion Ratio Lower Upper

65 100

67 52.1 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: VY022974.D

Acq: 08 Jul 2025 14:40

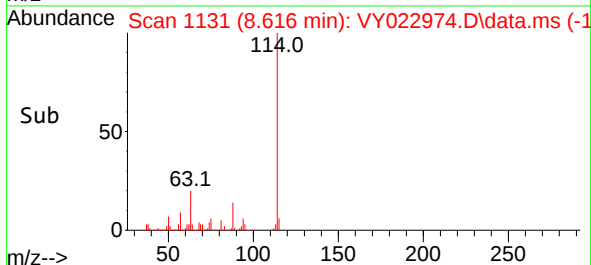
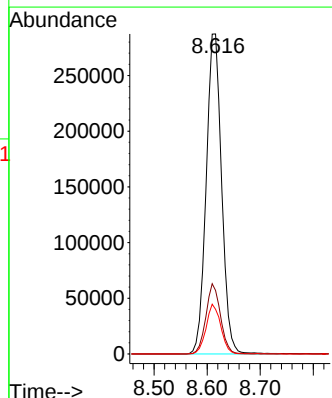
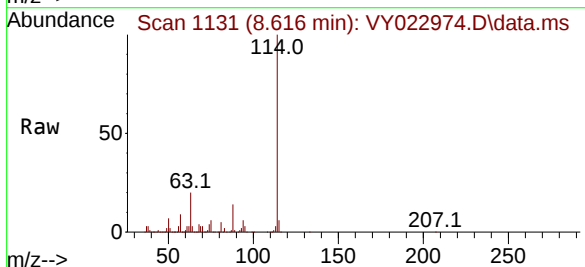
Tgt Ion: 114 Resp: 579416

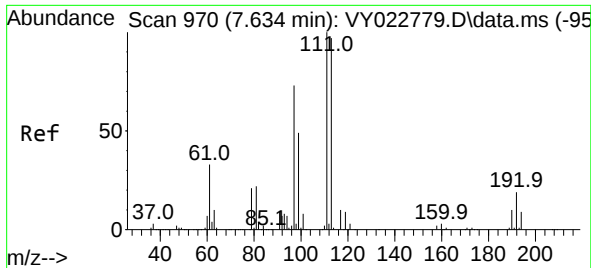
Ion Ratio Lower Upper

114 100

63 19.8 0.0 40.8

88 14.0 0.0 27.8

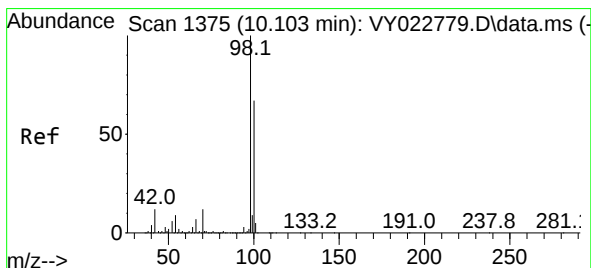
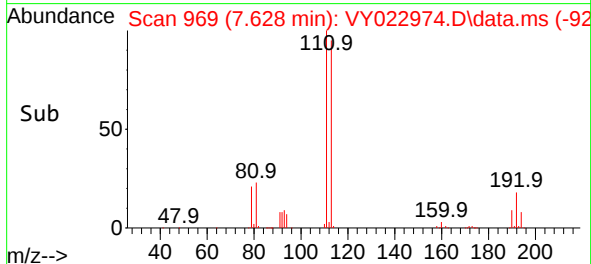
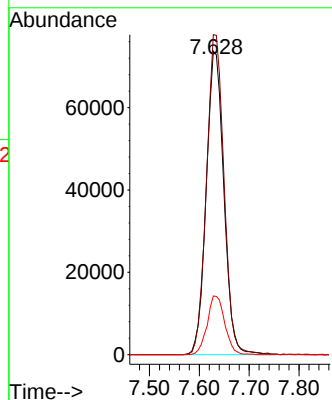
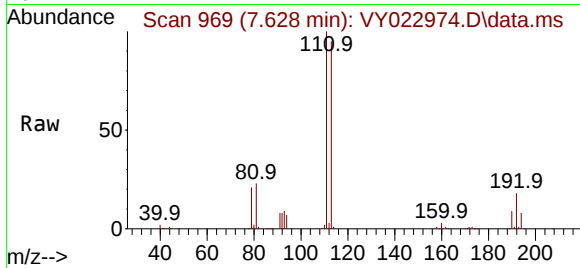




#35
Dibromofluoromethane
Concen: 51.411 ug/l
RT: 7.628 min Scan# 911
Delta R.T. -0.012 min
Lab File: VY022974.D
Acq: 08 Jul 2025 14:40

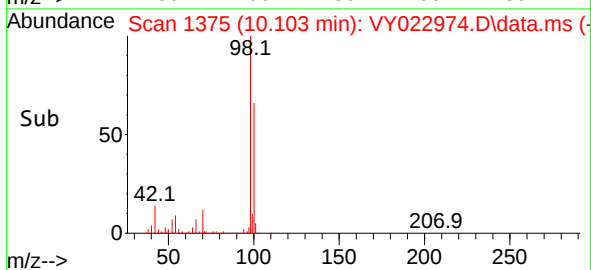
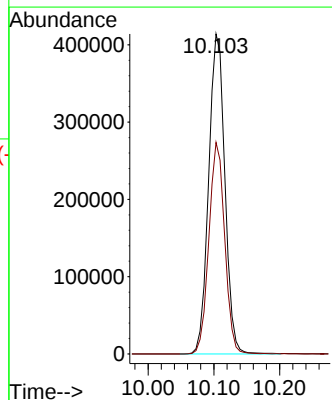
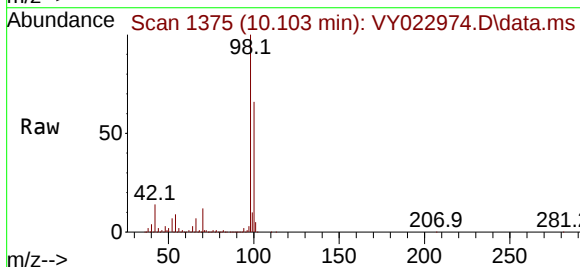
Instrument :
MSVOA_Y
ClientSampleId :
TP-106

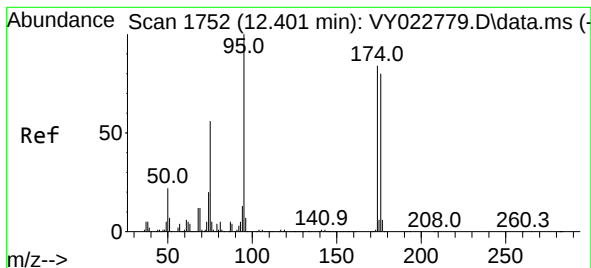
Tgt Ion:113 Resp: 181157
Ion Ratio Lower Upper
113 100
111 104.9 81.1 121.7
192 19.3 14.2 21.2



#50
Toluene-d8
Concen: 50.824 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022974.D
Acq: 08 Jul 2025 14:40

Tgt Ion: 98 Resp: 710656
Ion Ratio Lower Upper
98 100
100 64.5 51.4 77.0





#62

4-Bromofluorobenzene

Concen: 54.131 ug/l

RT: 12.402 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY022974.D

Acq: 08 Jul 2025 14:40

Instrument :

MSVOA_Y

ClientSampleId :

TP-106

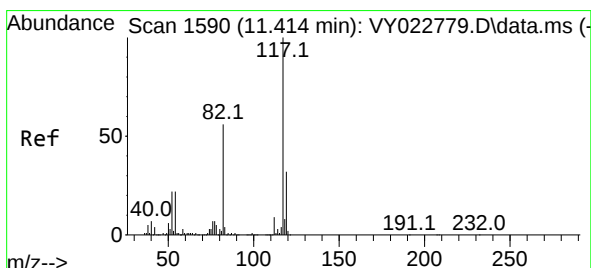
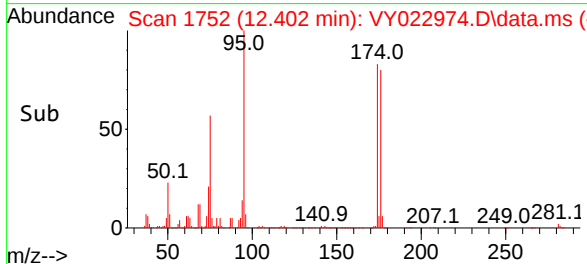
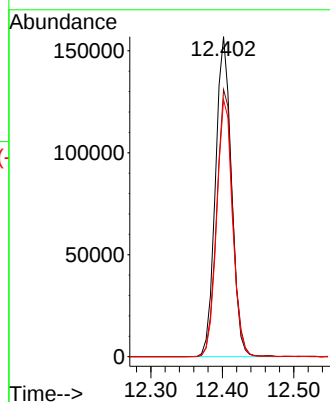
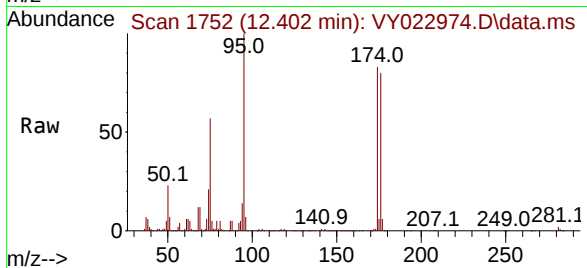
Tgt Ion: 95 Resp: 243316

Ion Ratio Lower Upper

95 100

174 84.1 0.0 170.0

176 79.7 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: VY022974.D

Acq: 08 Jul 2025 14:40

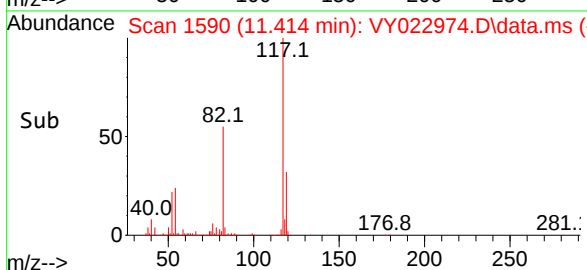
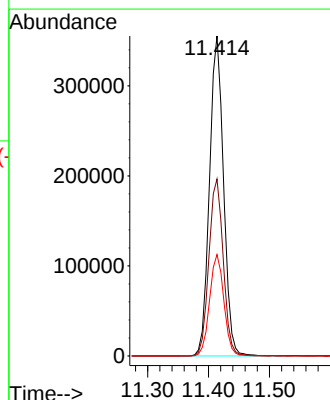
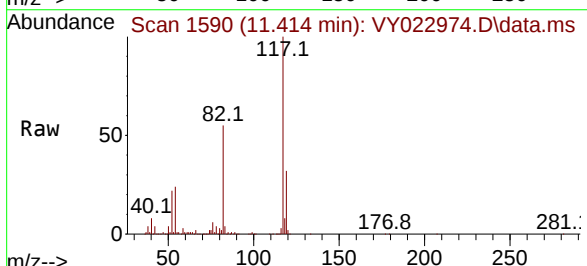
Tgt Ion: 117 Resp: 569839

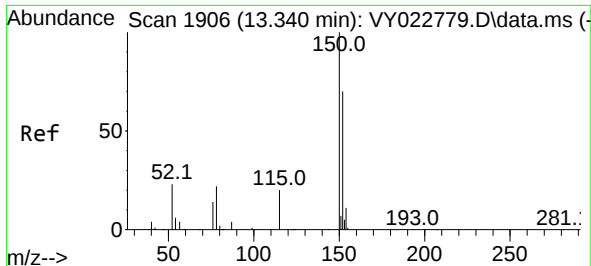
Ion Ratio Lower Upper

117 100

82 55.3 44.6 66.8

119 31.7 25.4 38.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.340 min Scan# 1906

Delta R.T. -0.006 min

Lab File: VY022974.D

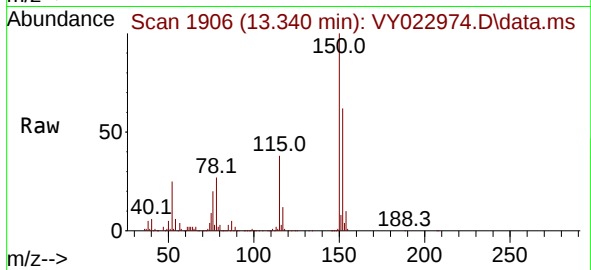
Acq: 08 Jul 2025 14:40

Instrument :

MSVOA_Y

ClientSampleId :

TP-106



Tgt Ion:152 Resp: 250116

Ion Ratio Lower Upper

152 100

115 57.8 28.9 86.7

150 154.8 0.0 349.6

