

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070725\
 Data File : VY022961.D
 Acq On : 07 Jul 2025 15:35
 Operator : SY/MD
 Sample : Q2484-04
 Misc : 5.94g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-107

Quant Time: Jul 08 01:48:57 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)

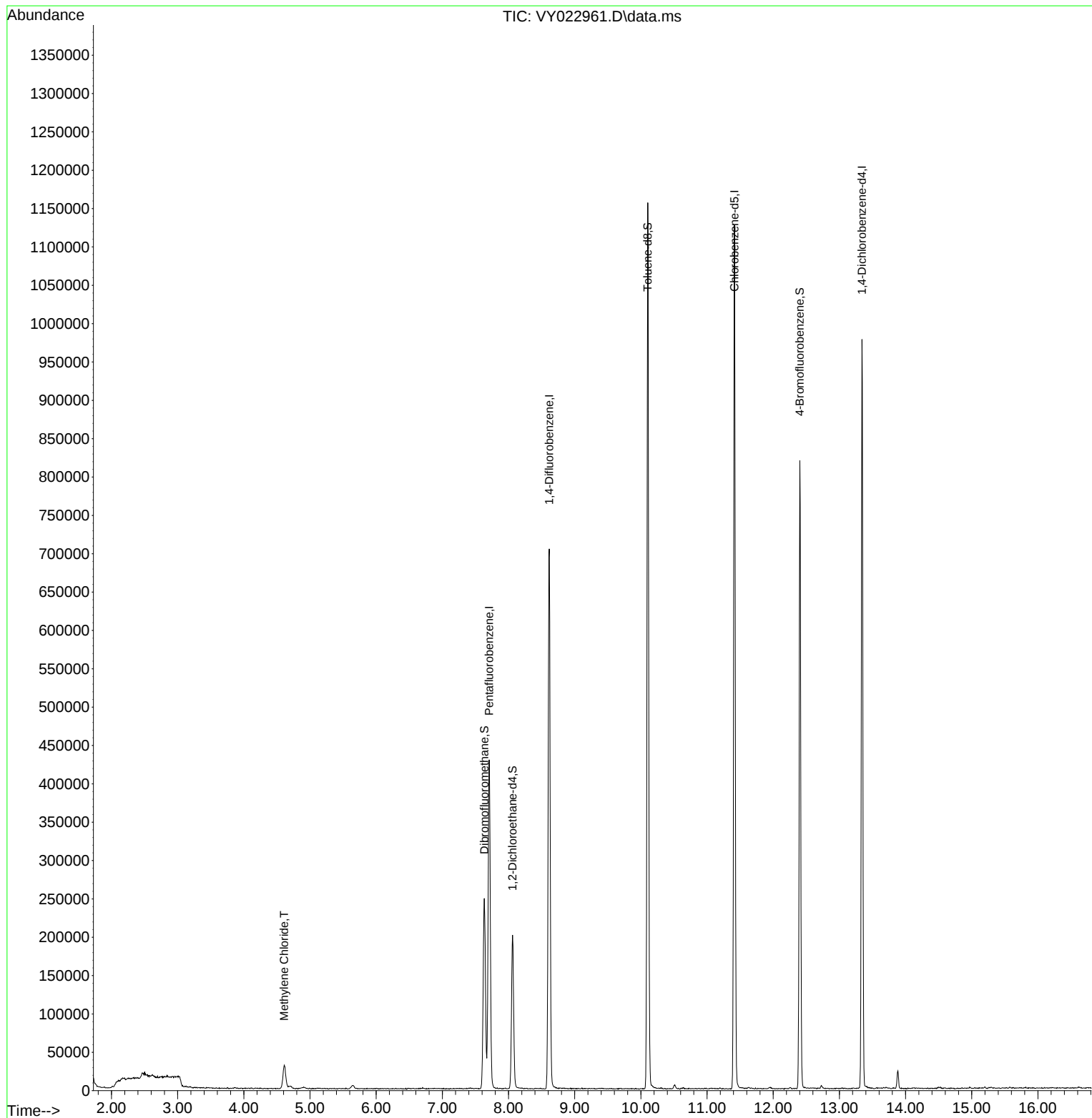
Internal Standards						
1) Pentafluorobenzene	7.707	168	324819	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	601393	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	567117	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	236634	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	156069	43.050	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	86.100%
35) Dibromofluoromethane	7.634	113	175958	48.110	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	96.220%
50) Toluene-d8	10.103	98	738041	50.854	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	101.700%
62) 4-Bromofluorobenzene	12.402	95	237723	50.954	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	101.900%
Target Compounds						
					Qvalue	
20) Methylene Chloride	4.610	84	21476	4.963	ug/l	93

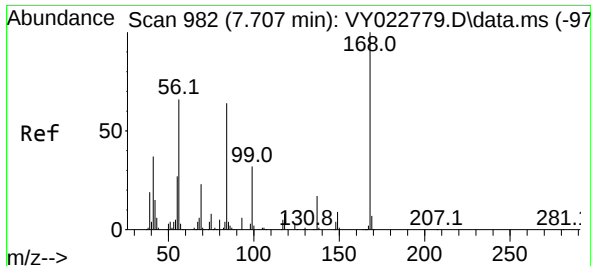
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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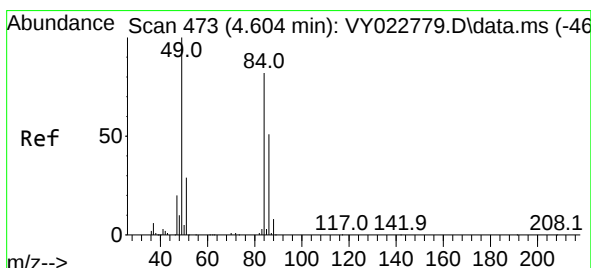
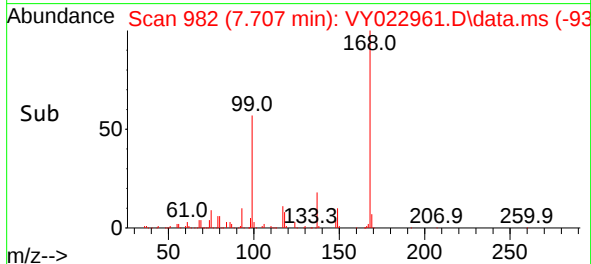
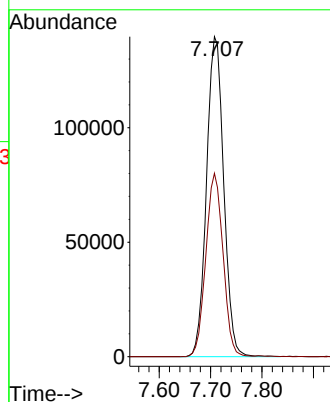
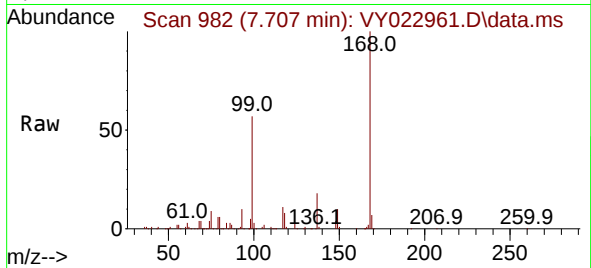




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.006 min
Lab File: VY022961.D
Acq: 07 Jul 2025 15:35

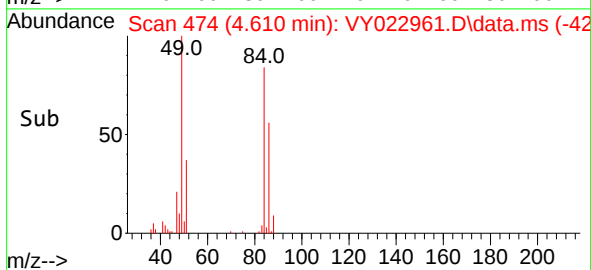
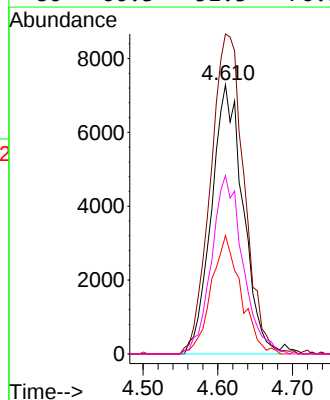
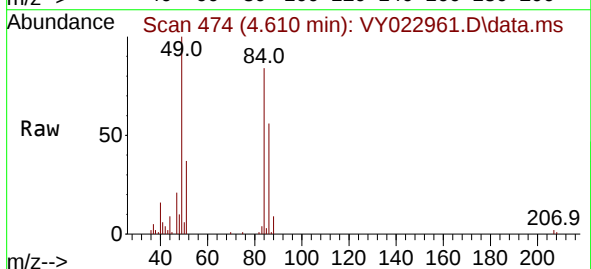
Instrument :
MSVOA_Y
ClientSampleId :
TP-107

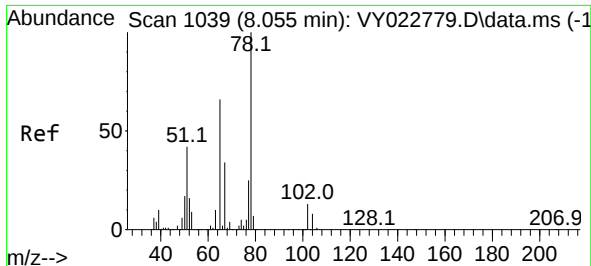
Tgt Ion:168 Resp: 324819
Ion Ratio Lower Upper
168 100
99 57.3 44.3 66.5



#20
Methylene Chloride
Concen: 4.963 ug/l
RT: 4.610 min Scan# 474
Delta R.T. -0.012 min
Lab File: VY022961.D
Acq: 07 Jul 2025 15:35

Tgt Ion: 84 Resp: 21476
Ion Ratio Lower Upper
84 100
49 118.9 101.9 152.9
51 44.0 29.8 44.8
86 66.3 51.3 76.9





#33

1,2-Dichloroethane-d4

Concen: 43.050 ug/l

RT: 8.061 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY022961.D

Acq: 07 Jul 2025 15:35

Instrument :

MSVOA_Y

ClientSampleId :

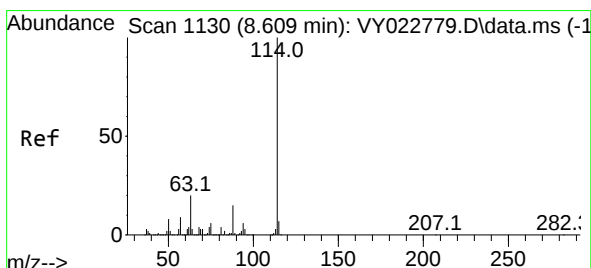
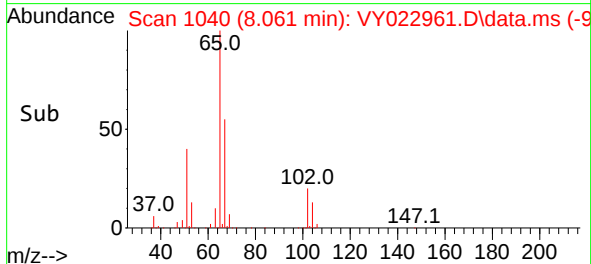
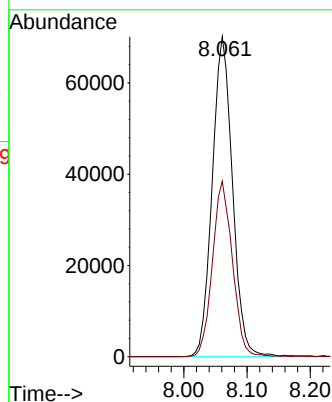
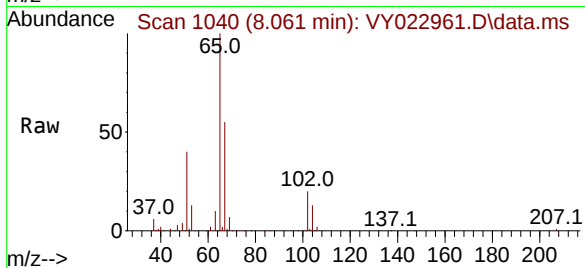
TP-107

Tgt Ion: 65 Resp: 156069

Ion Ratio Lower Upper

65 100

67 54.1 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: VY022961.D

Acq: 07 Jul 2025 15:35

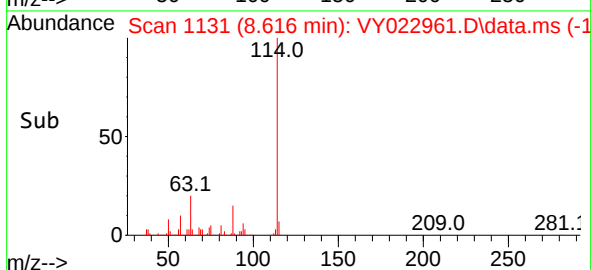
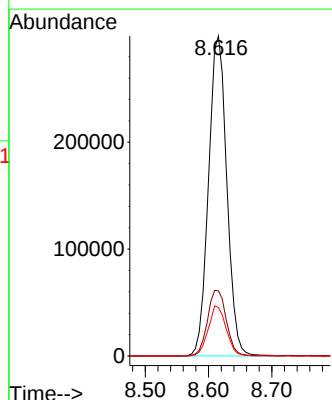
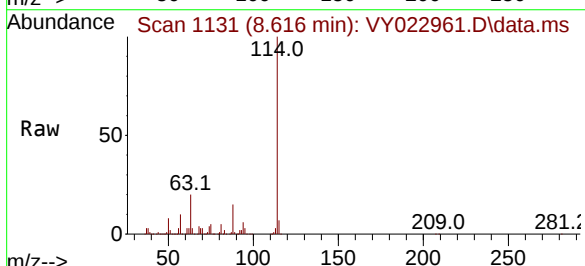
Tgt Ion: 114 Resp: 601393

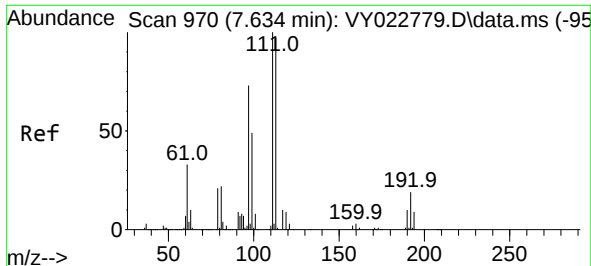
Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.8

88 15.1 0.0 27.8

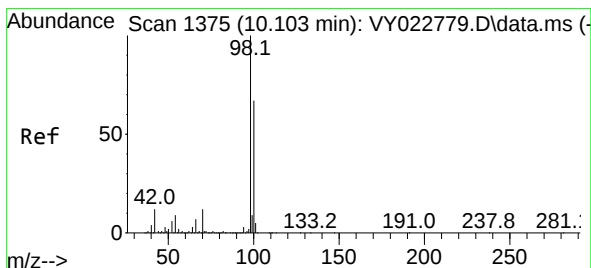
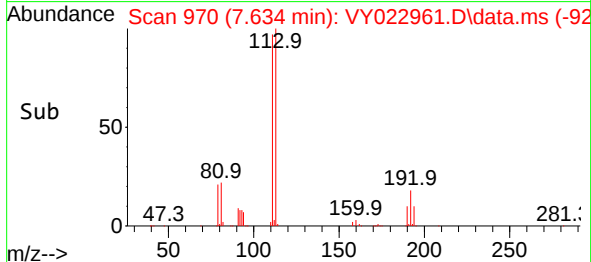
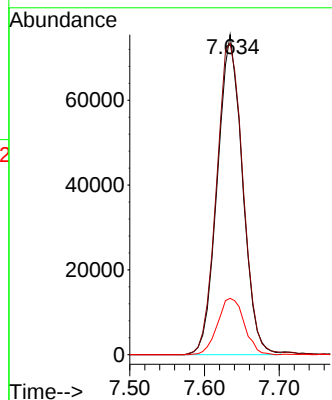
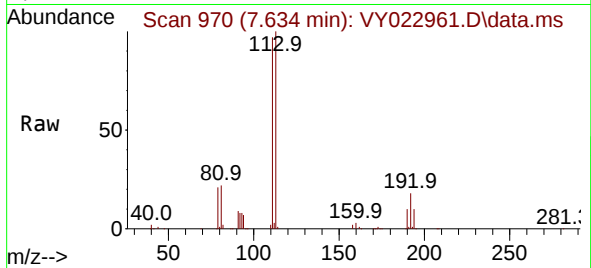




#35
Dibromofluoromethane
Concen: 48.110 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022961.D
Acq: 07 Jul 2025 15:35

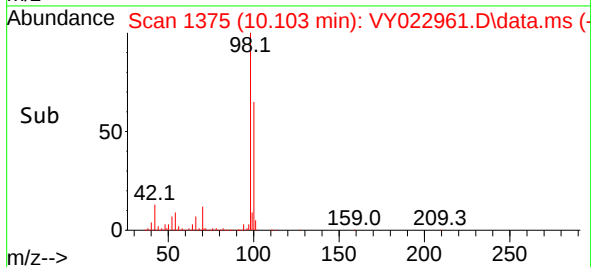
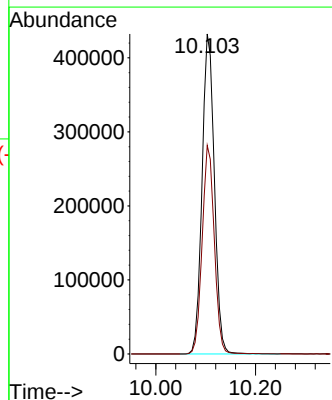
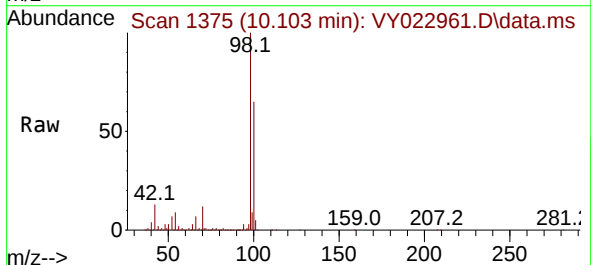
Instrument :
MSVOA_Y
ClientSampleId :
TP-107

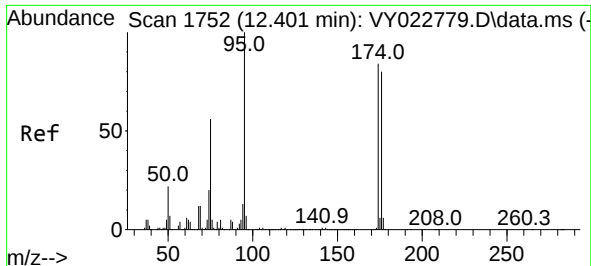
Tgt Ion:113 Resp: 175958
Ion Ratio Lower Upper
113 100
111 103.4 81.1 121.7
192 18.7 14.2 21.2



#50
Toluene-d8
Concen: 50.854 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022961.D
Acq: 07 Jul 2025 15:35

Tgt Ion: 98 Resp: 738041
Ion Ratio Lower Upper
98 100
100 64.3 51.4 77.0





#62

4-Bromofluorobenzene

Concen: 50.954 ug/l

RT: 12.402 min Scan# 1

Delta R.T. -0.006 min

Lab File: VY022961.D

Acq: 07 Jul 2025 15:35

Instrument :

MSVOA_Y

ClientSampleId :

TP-107

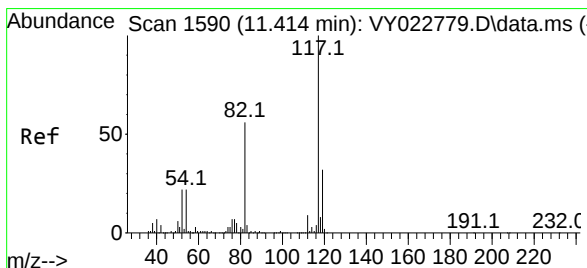
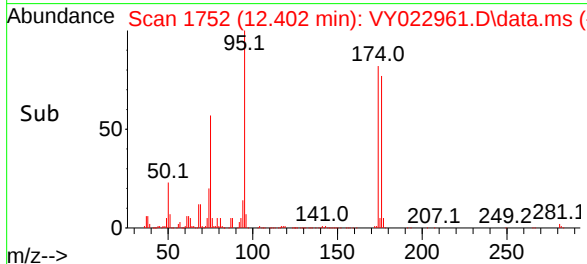
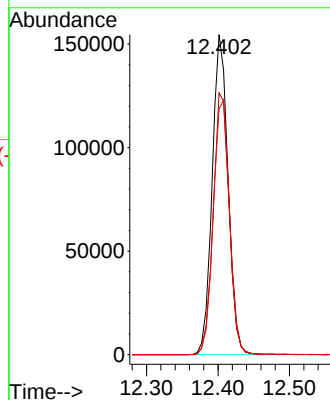
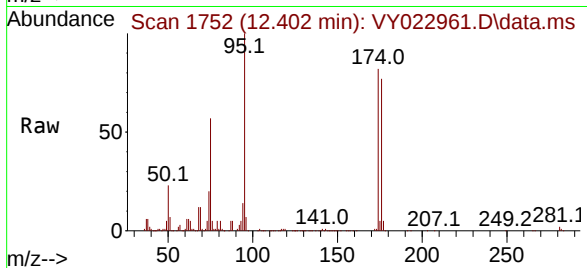
Tgt Ion: 95 Resp: 237723

Ion Ratio Lower Upper

95 100

174 83.4 0.0 170.0

176 81.5 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: VY022961.D

Acq: 07 Jul 2025 15:35

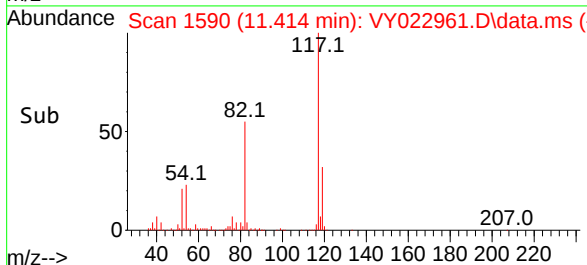
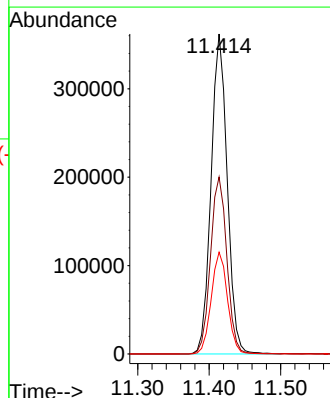
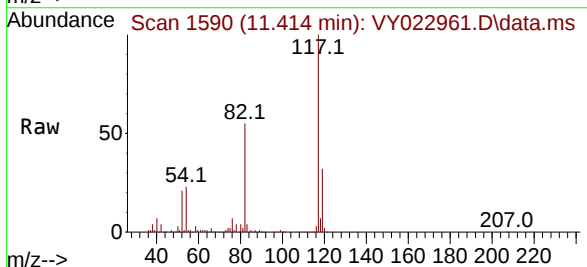
Tgt Ion: 117 Resp: 567117

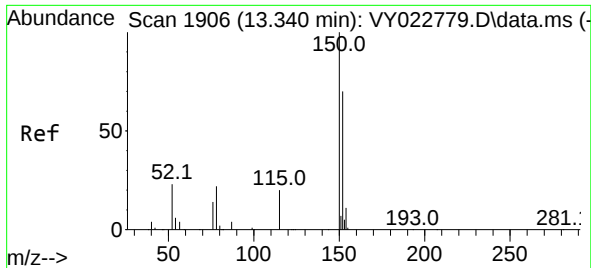
Ion Ratio Lower Upper

117 100

82 55.3 44.6 66.8

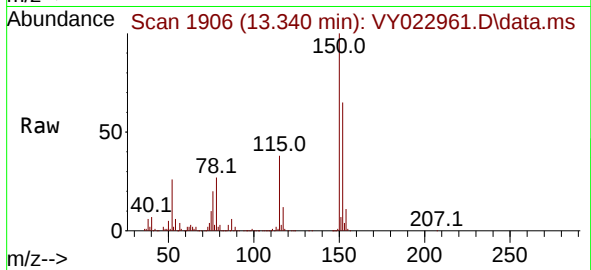
119 31.8 25.4 38.0





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.340 min Scan# 1906
 Delta R.T. -0.006 min
 Lab File: VY022961.D
 Acq: 07 Jul 2025 15:35

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-107



Tgt Ion:152 Resp: 236634

Ion	Ratio	Lower	Upper
152	100		
115	58.1	28.9	86.7
150	156.6	0.0	349.6

