

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY070725\
 Data File : VY022951.D
 Acq On : 07 Jul 2025 11:41
 Operator : SY/MD
 Sample : Q2513-01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-2-070325

Quant Time: Jul 08 01:44:57 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)

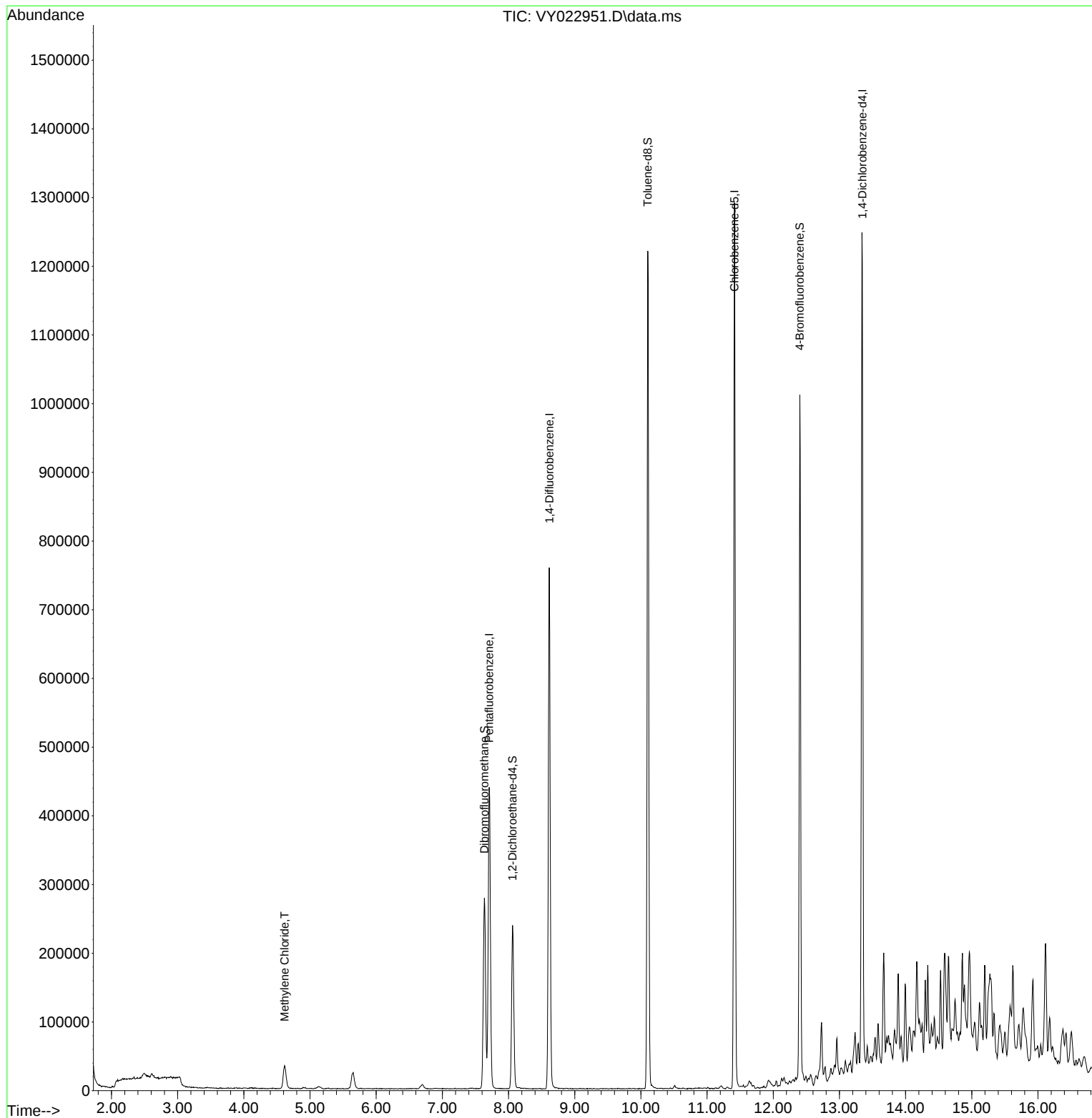
Internal Standards						
1) Pentafluorobenzene	7.707	168	334023	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	627175	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	639888	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	297166	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	188781	50.638	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.280%	
35) Dibromofluoromethane	7.634	113	198980	52.169	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 104.340%	
50) Toluene-d8	10.103	98	777260	51.355	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.700%	
62) 4-Bromofluorobenzene	12.402	95	291440	59.900	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 119.800%	
Target Compounds						
20) Methylene Chloride	4.616	84	24244	5.448	ug/l	Qvalue 97

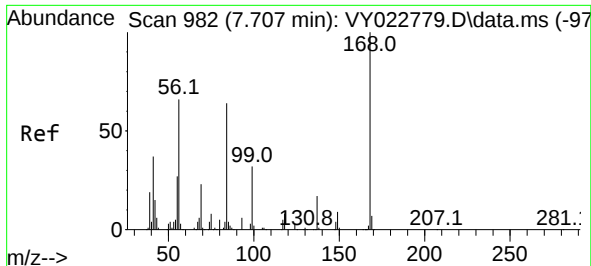
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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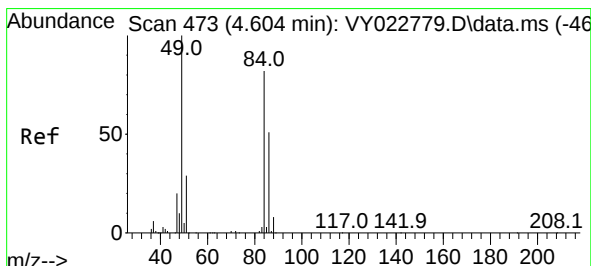
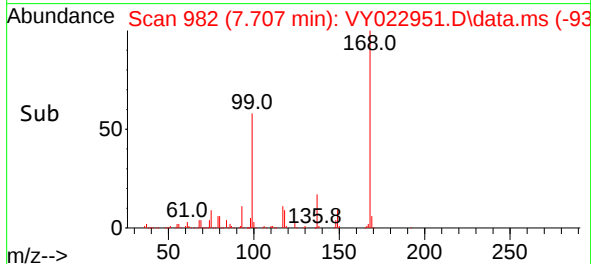
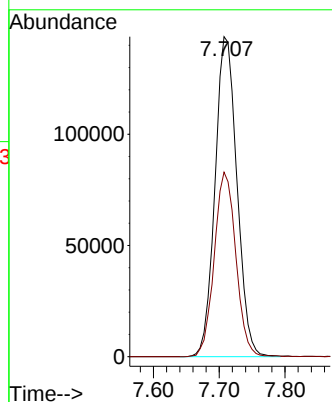
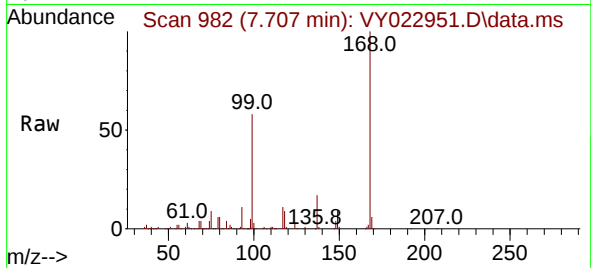




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 982
Delta R.T. -0.006 min
Lab File: VY022951.D
Acq: 07 Jul 2025 11:41

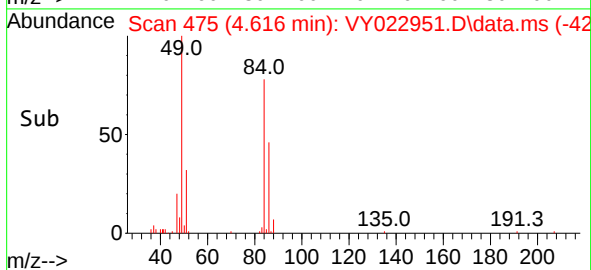
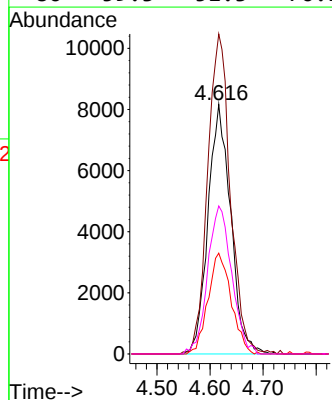
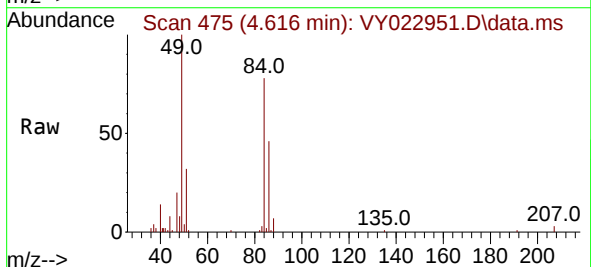
Instrument :
MSVOA_Y
ClientSampleId :
HR-2-070325

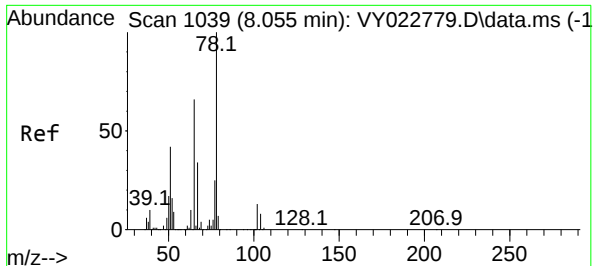
Tgt Ion:168 Resp: 334023
Ion Ratio Lower Upper
168 100
99 57.6 44.3 66.5



#20
Methylene Chloride
Concen: 5.448 ug/l
RT: 4.616 min Scan# 475
Delta R.T. -0.006 min
Lab File: VY022951.D
Acq: 07 Jul 2025 11:41

Tgt Ion: 84 Resp: 24244
Ion Ratio Lower Upper
84 100
49 128.2 101.9 152.9
51 40.4 29.8 44.8
86 59.3 51.3 76.9





#33

1,2-Dichloroethane-d4

Concen: 50.638 ug/l

RT: 8.061 min Scan# 110

Delta R.T. -0.006 min

Lab File: VY022951.D

Acq: 07 Jul 2025 11:41

Instrument :

MSVOA_Y

ClientSampleId :

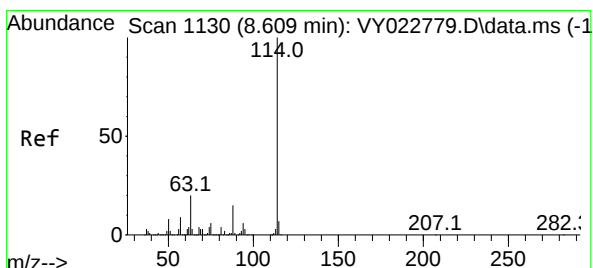
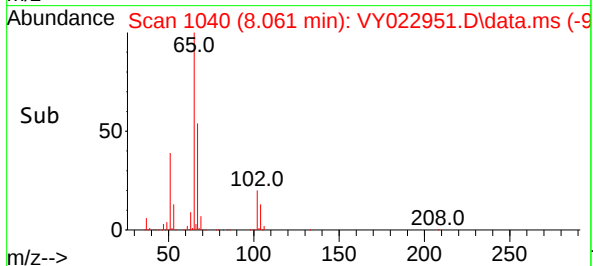
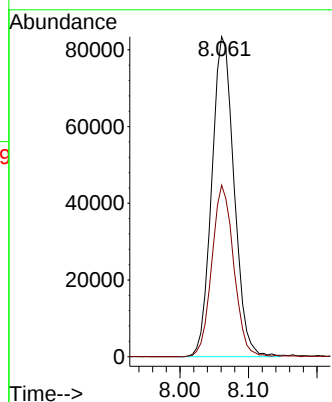
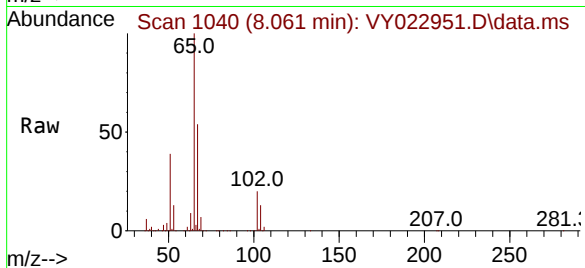
HR-2-070325

Tgt Ion: 65 Resp: 188781

Ion Ratio Lower Upper

65 100

67 52.5 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: VY022951.D

Acq: 07 Jul 2025 11:41

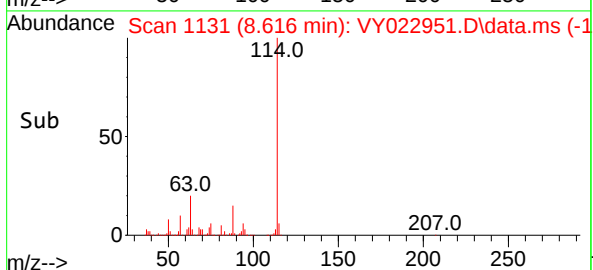
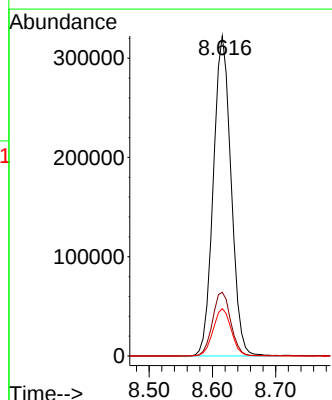
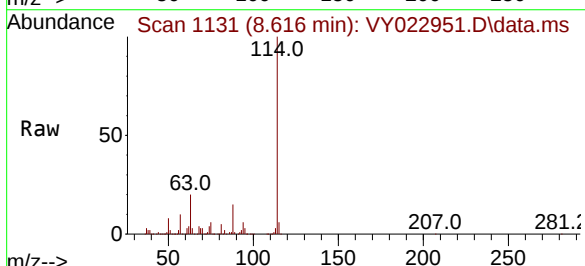
Tgt Ion:114 Resp: 627175

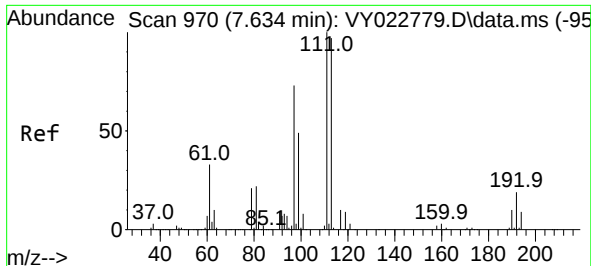
Ion Ratio Lower Upper

114 100

63 19.9 0.0 40.8

88 14.8 0.0 27.8

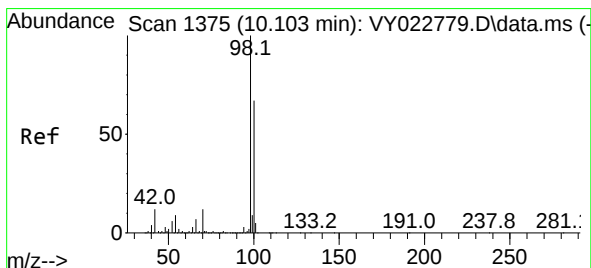
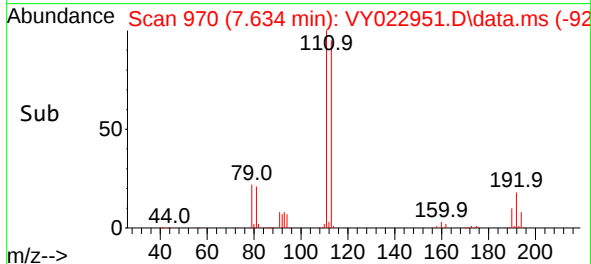
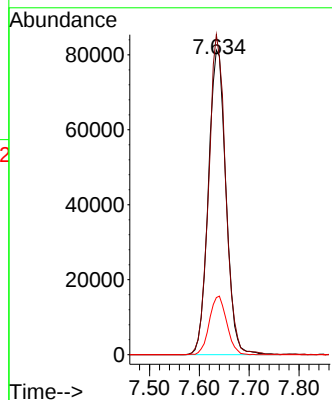
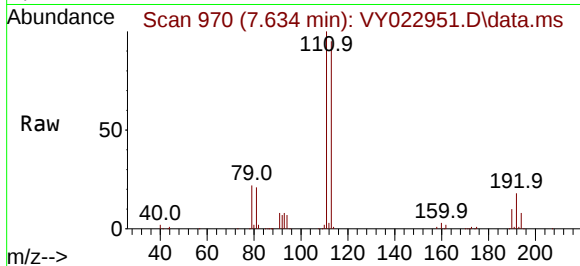




#35
Dibromofluoromethane
Concen: 52.169 ug/l
RT: 7.634 min Scan# 91
Delta R.T. -0.006 min
Lab File: VY022951.D
Acq: 07 Jul 2025 11:41

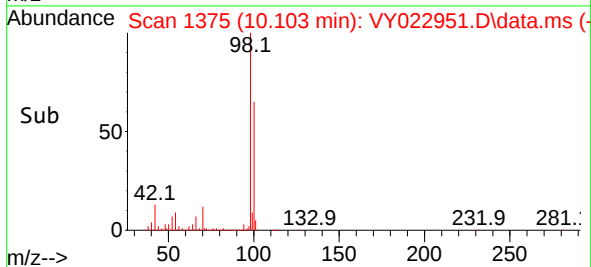
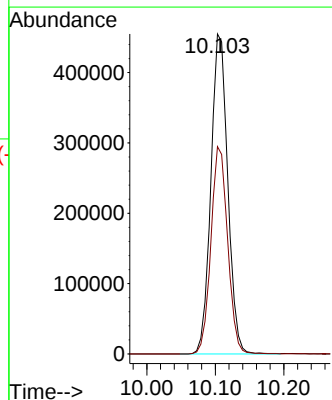
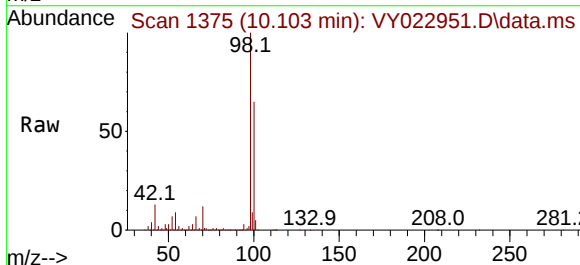
Instrument :
MSVOA_Y
ClientSampleId :
HR-2-070325

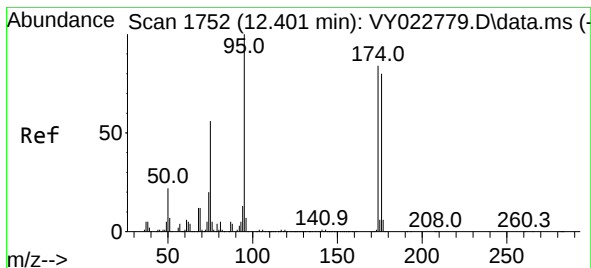
Tgt Ion:113 Resp: 198980
Ion Ratio Lower Upper
113 100
111 101.8 81.1 121.7
192 19.0 14.2 21.2



#50
Toluene-d8
Concen: 51.355 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022951.D
Acq: 07 Jul 2025 11:41

Tgt Ion: 98 Resp: 777260
Ion Ratio Lower Upper
98 100
100 64.3 51.4 77.0





#62

4-Bromofluorobenzene

Concen: 59.900 ug/l

RT: 12.402 min Scan# 1752

Delta R.T. -0.006 min

Lab File: VY022951.D

Acq: 07 Jul 2025 11:41

Instrument :

MSVOA_Y

ClientSampleId :

HR-2-070325

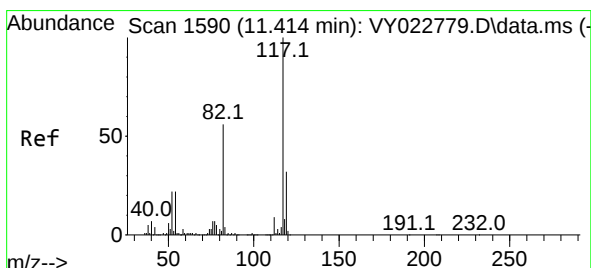
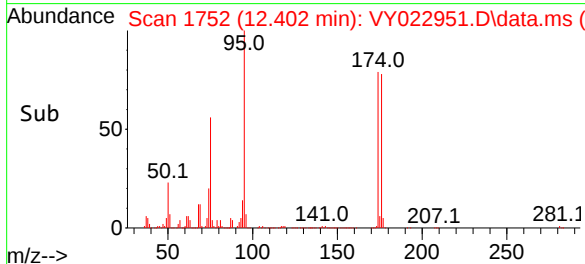
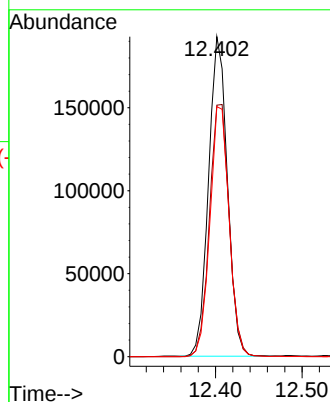
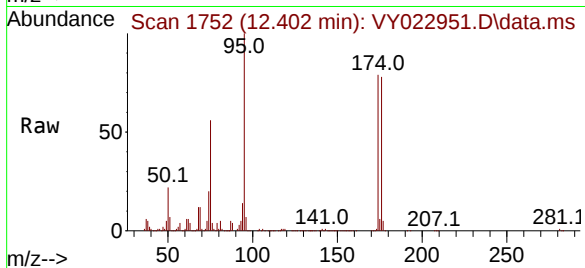
Tgt Ion: 95 Resp: 291440

Ion Ratio Lower Upper

95 100

174 82.6 0.0 170.0

176 79.9 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: VY022951.D

Acq: 07 Jul 2025 11:41

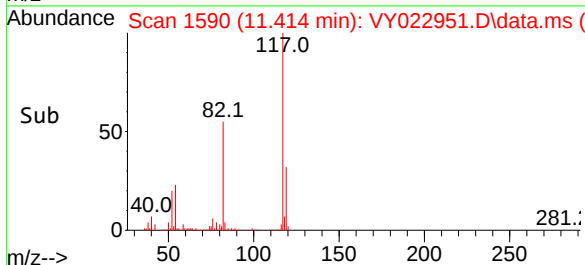
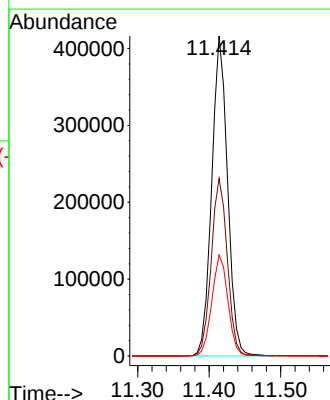
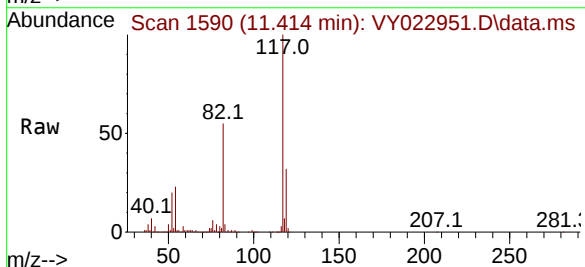
Tgt Ion: 117 Resp: 639888

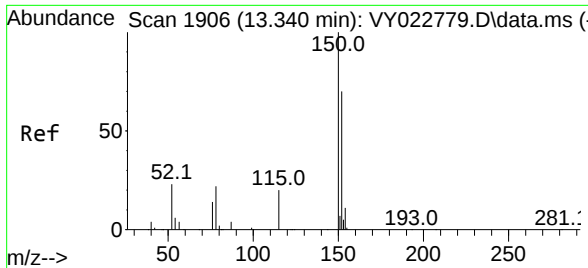
Ion Ratio Lower Upper

117 100

82 55.4 44.6 66.8

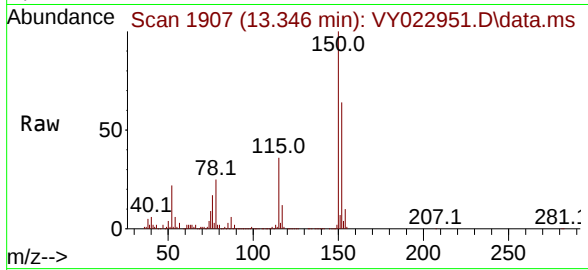
119 31.5 25.4 38.0





#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.346 min Scan# 1907
 Delta R.T. -0.000 min
 Lab File: VY022951.D
 Acq: 07 Jul 2025 11:41

Instrument :
 MSVOA_Y
 ClientSampleId :
 HR-2-070325



Tgt Ion:152 Resp: 297166

Ion	Ratio	Lower	Upper
152	100		
115	58.7	28.9	86.7
150	156.9	0.0	349.6

