Powder diffraction pattern (Cu Kα) of a large single crystal of muscovite from L.N. Warr…
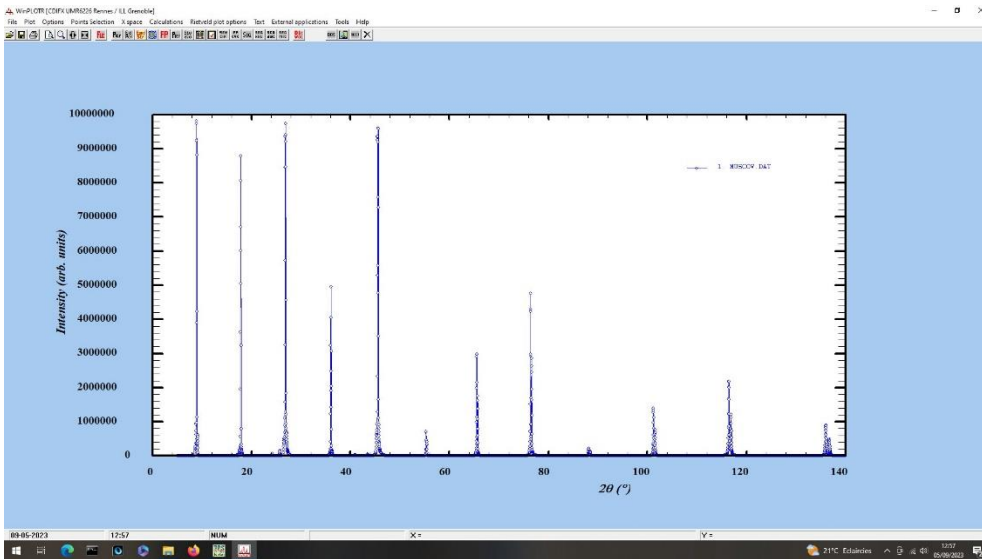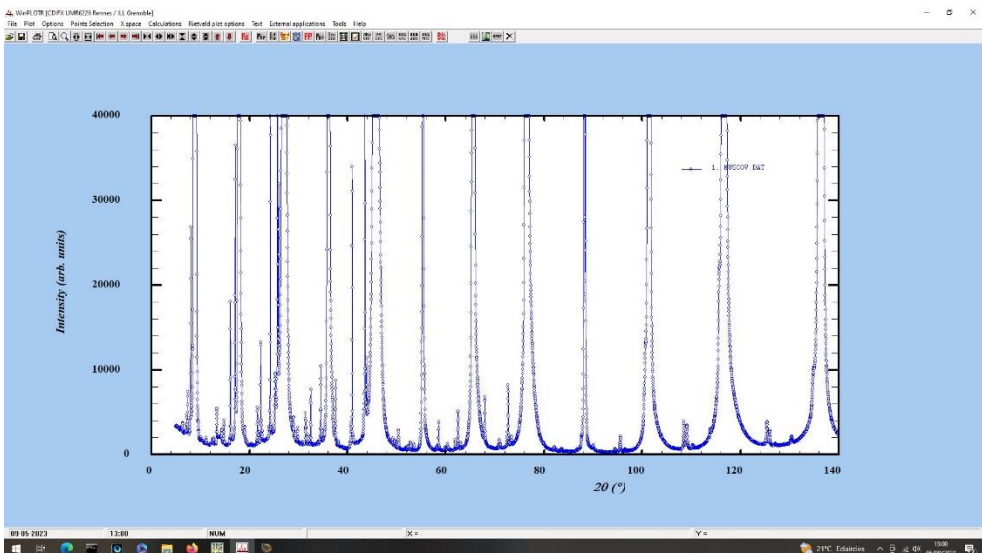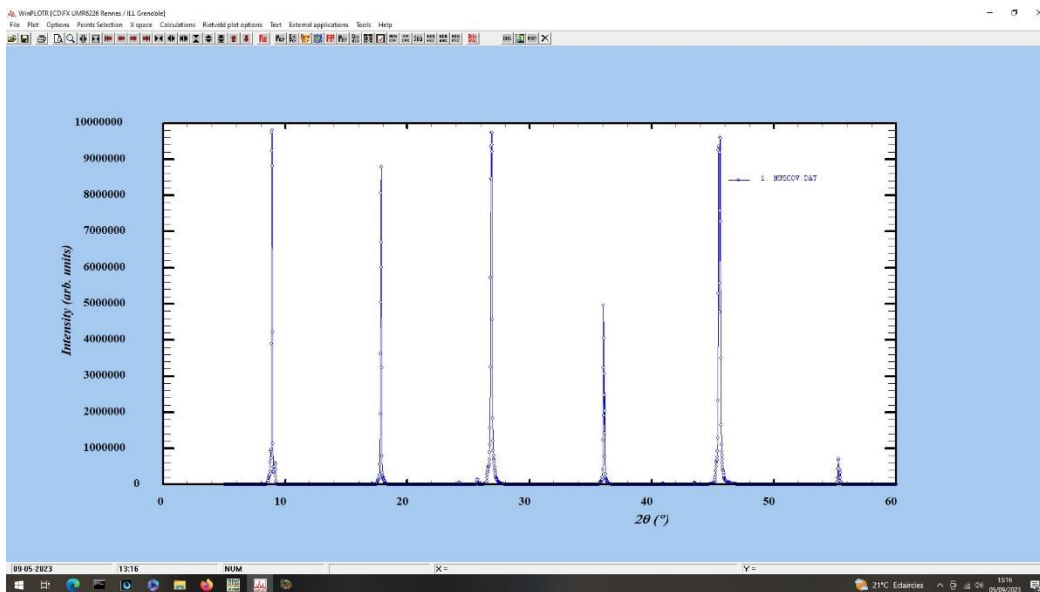

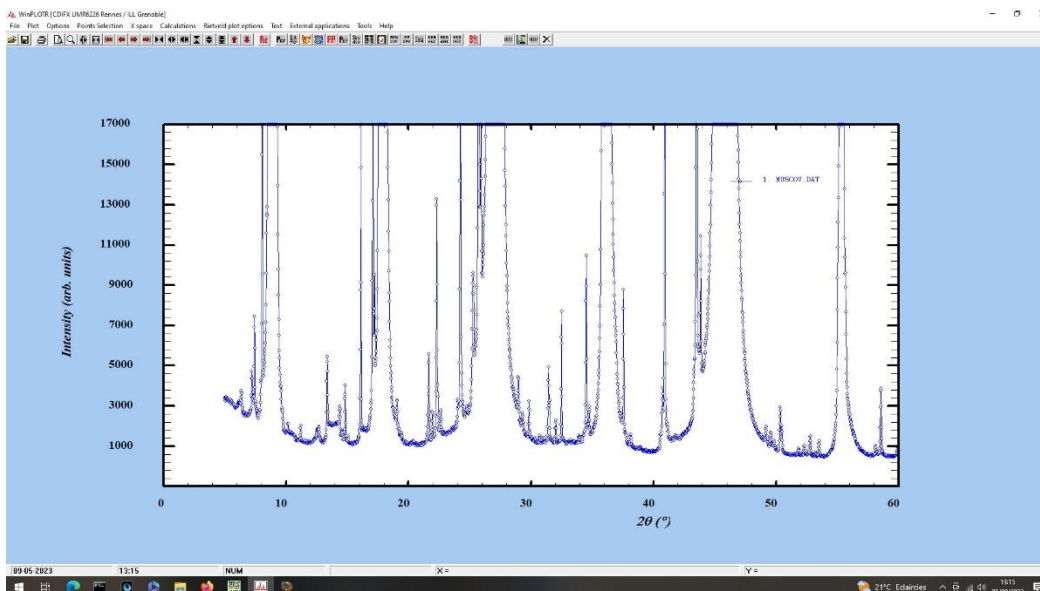
So, you are supposed to see only the 00l peaks :

However, enlarging, more seems to be seen :

View in a reduced angular range :

Enlarging :

You may suspect Kβ and more…

Download the pattern and play with it, try to explain all peaks :

http://cristal.org/powbase/77.zip

The zipped file contains muscov.dat which can be read by WinPlotr in format INSTRM=0 :

```
 5.00   0.02   140.00
3423.
3390.
3301.
3369.
etc
```