

Figure S1 : Endmember maps obtained from X-ray mapping with EPMA.

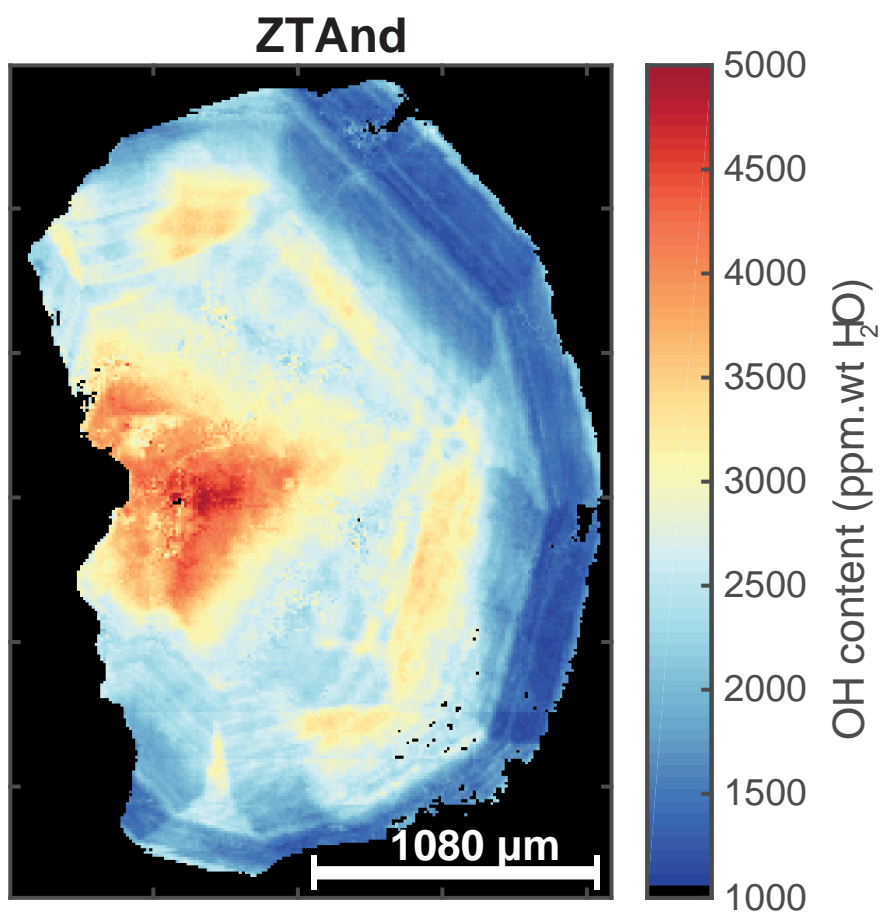


Figure S2 : OH map acquired on a grain of sample ZTAnd. Map was acquired with an FPA mapping detector and a binning of 2 (pixel size= 5.4 μm).

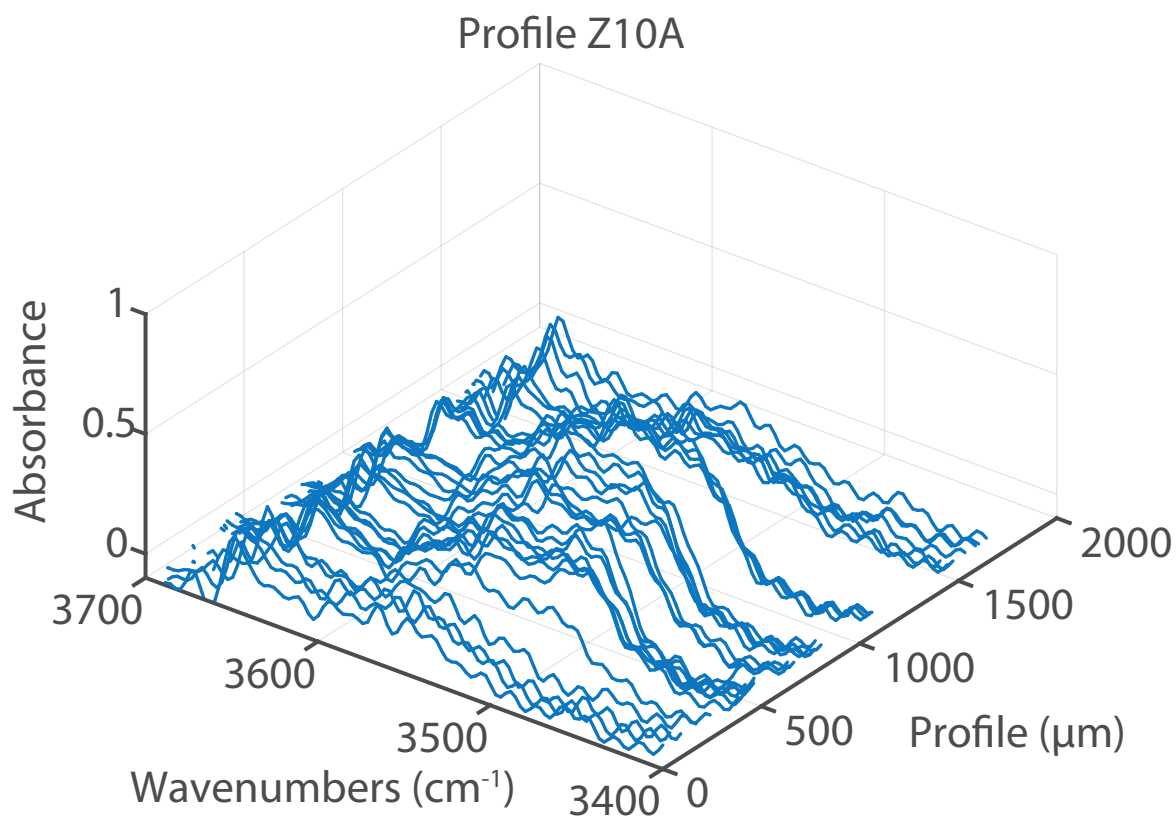
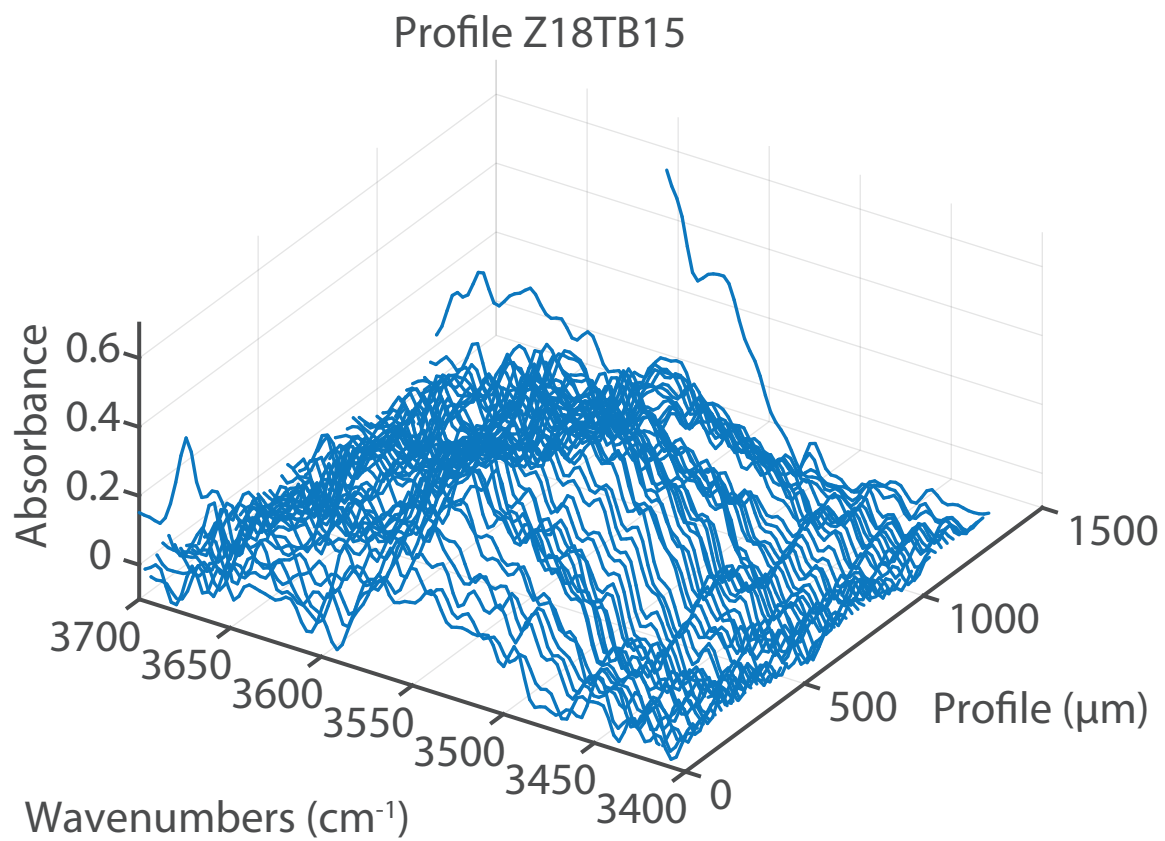


Figure S3a : Stacked OH region spectra along the adjusted profile measured and displayed on figure 7. Samples Z18TB15 and Z10A.

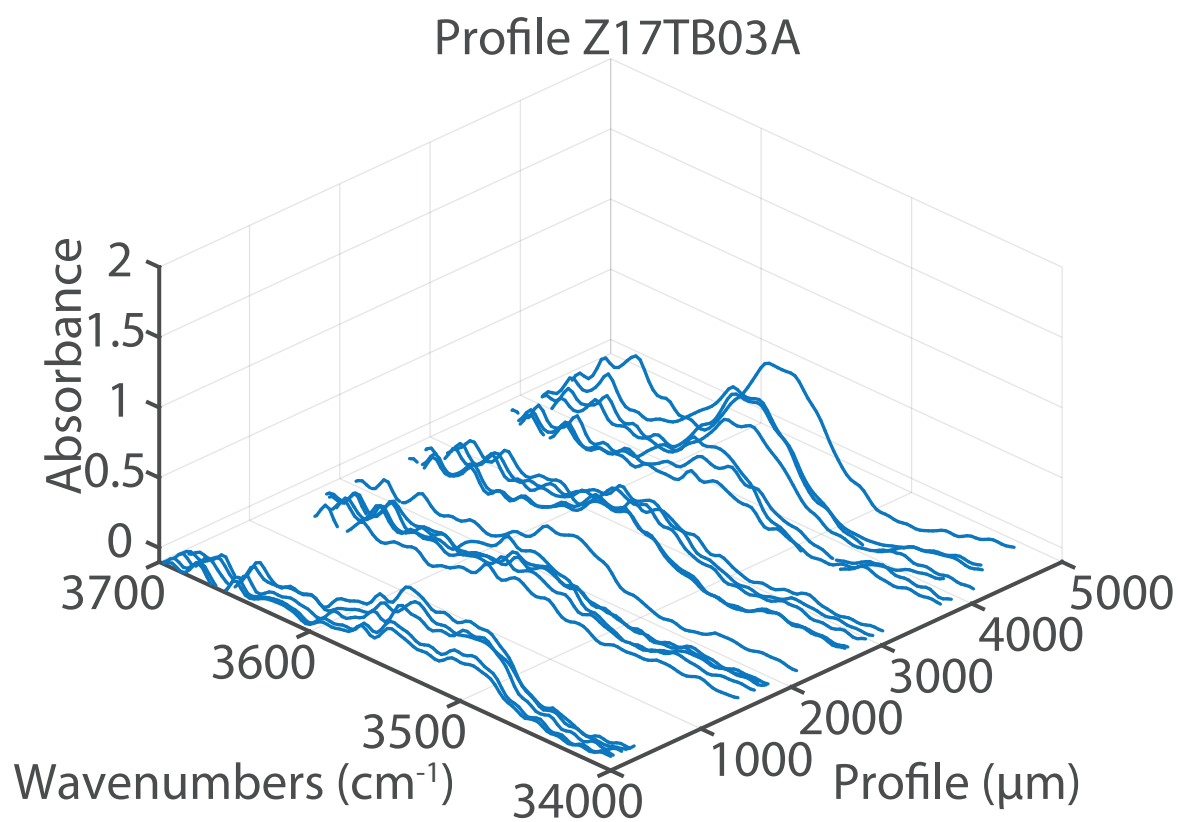
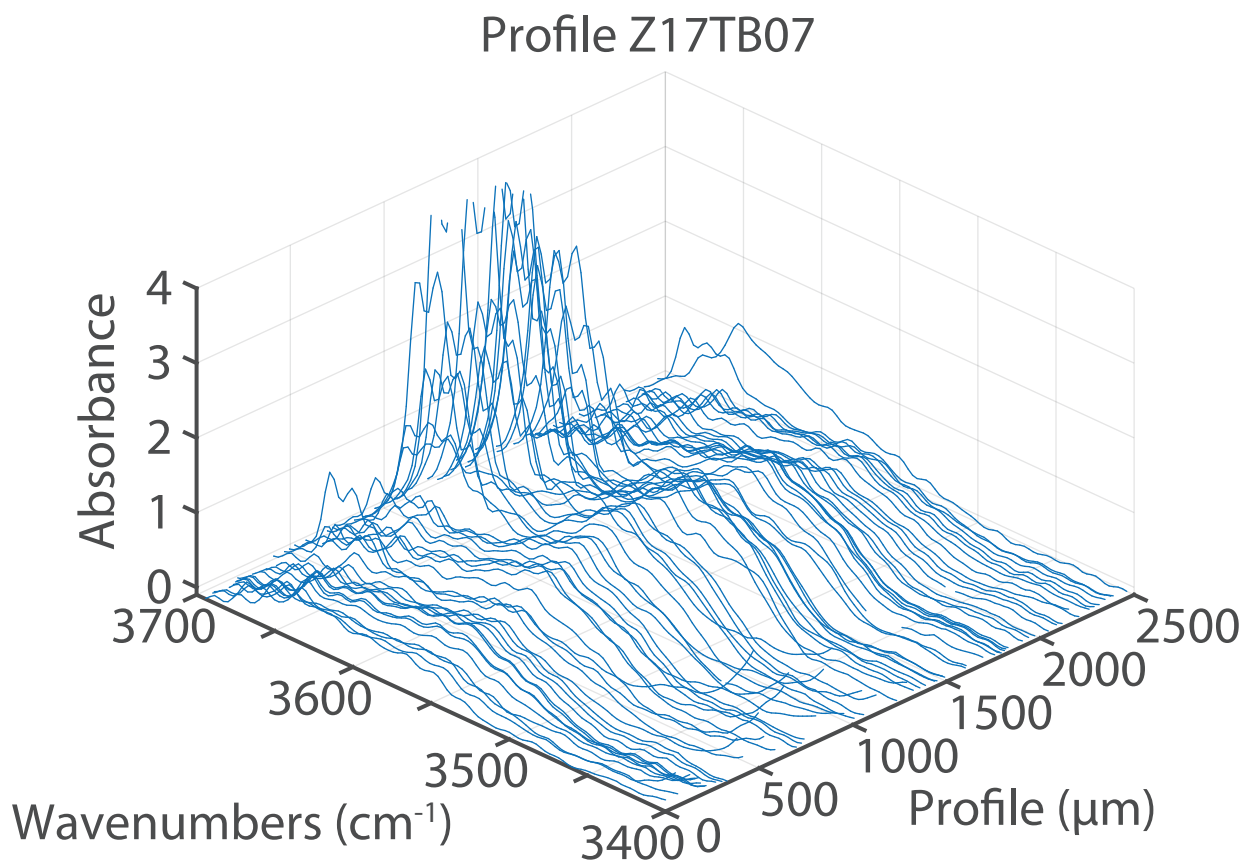


Figure S3b : Stacked OH region spectra along the adjusted profile measured and displayed on figure 7. Samples Z17TB07 and Z17TB03A.