

Fig. I

Fig. I. Plot of raw MIR, NIR and <sup>1</sup>H-NMR spectra and plot of an example of EEM landscape.

# <sup>1</sup>H-NMR spectra: intervals

Fig. II

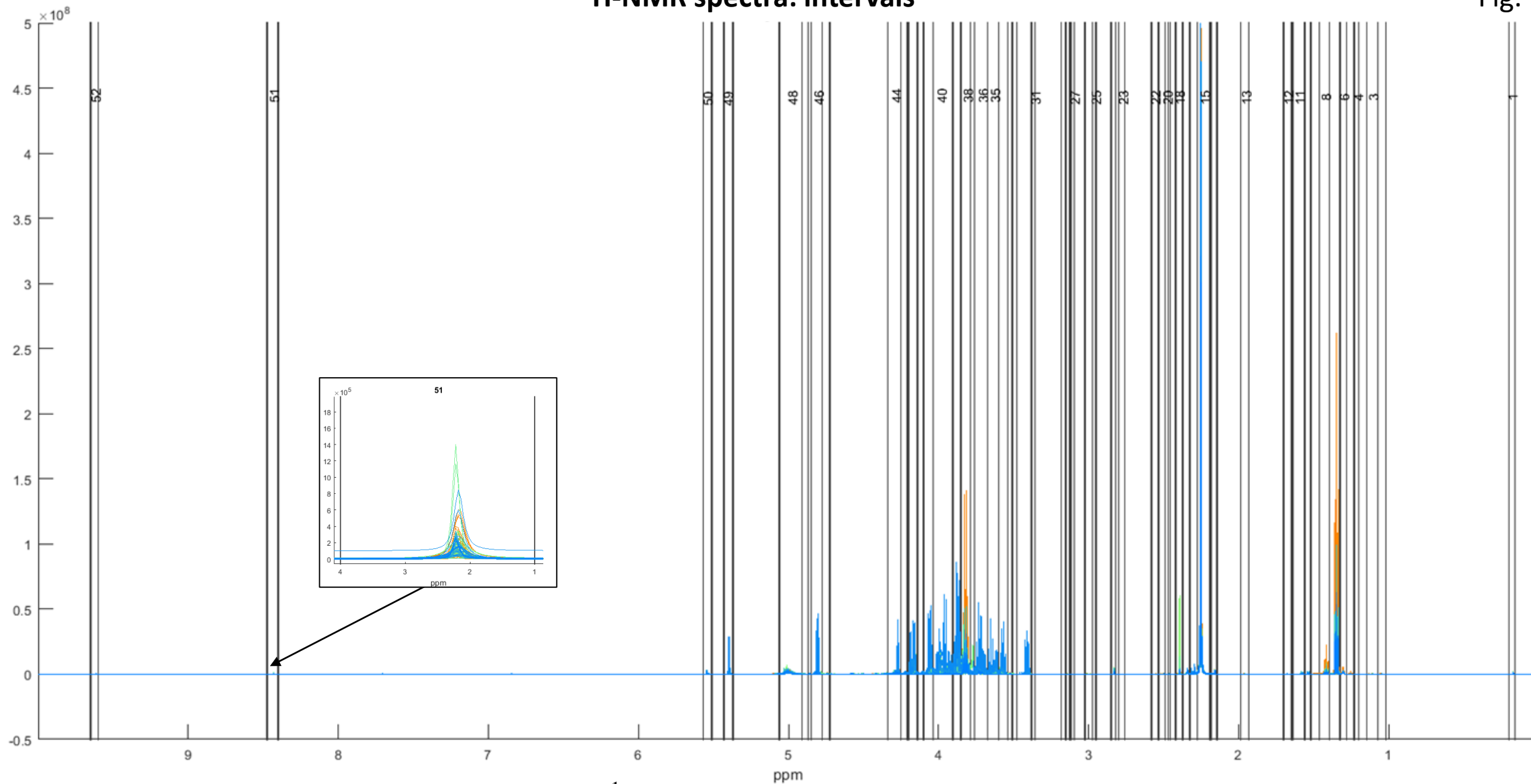
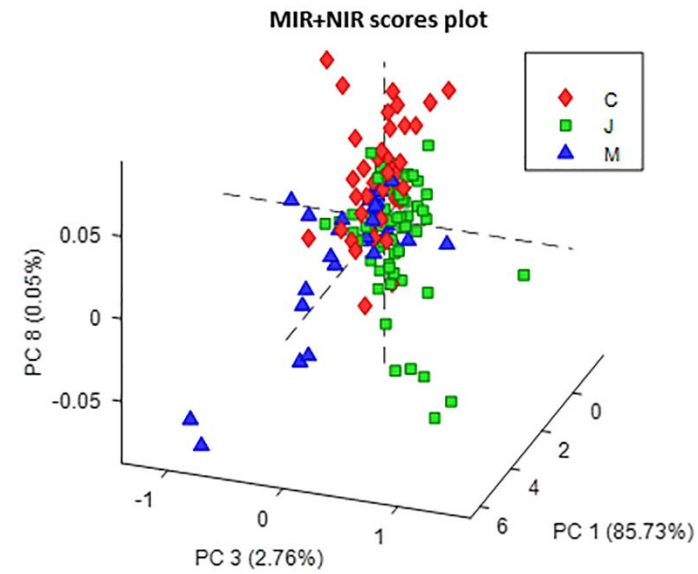


Fig. II. Plot of a representative wine vinegar <sup>1</sup>H-NMR spectra and the 52 intervals selected for the application of MCR method. Zoom in interval 51.

A)



B)

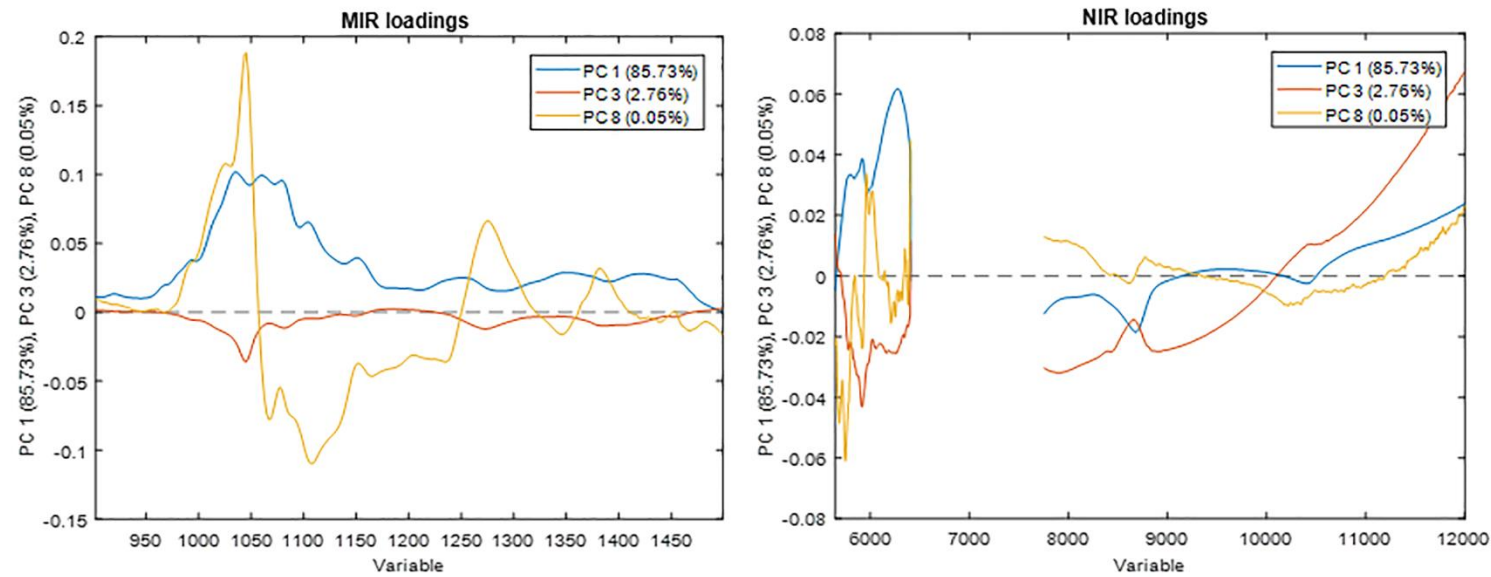


Fig. III. Scores and loadings plot of the PCA model obtained for low level fusion of MIR and NIR data. The acronyms for the different vinegar PDOs are defined in Table 1.

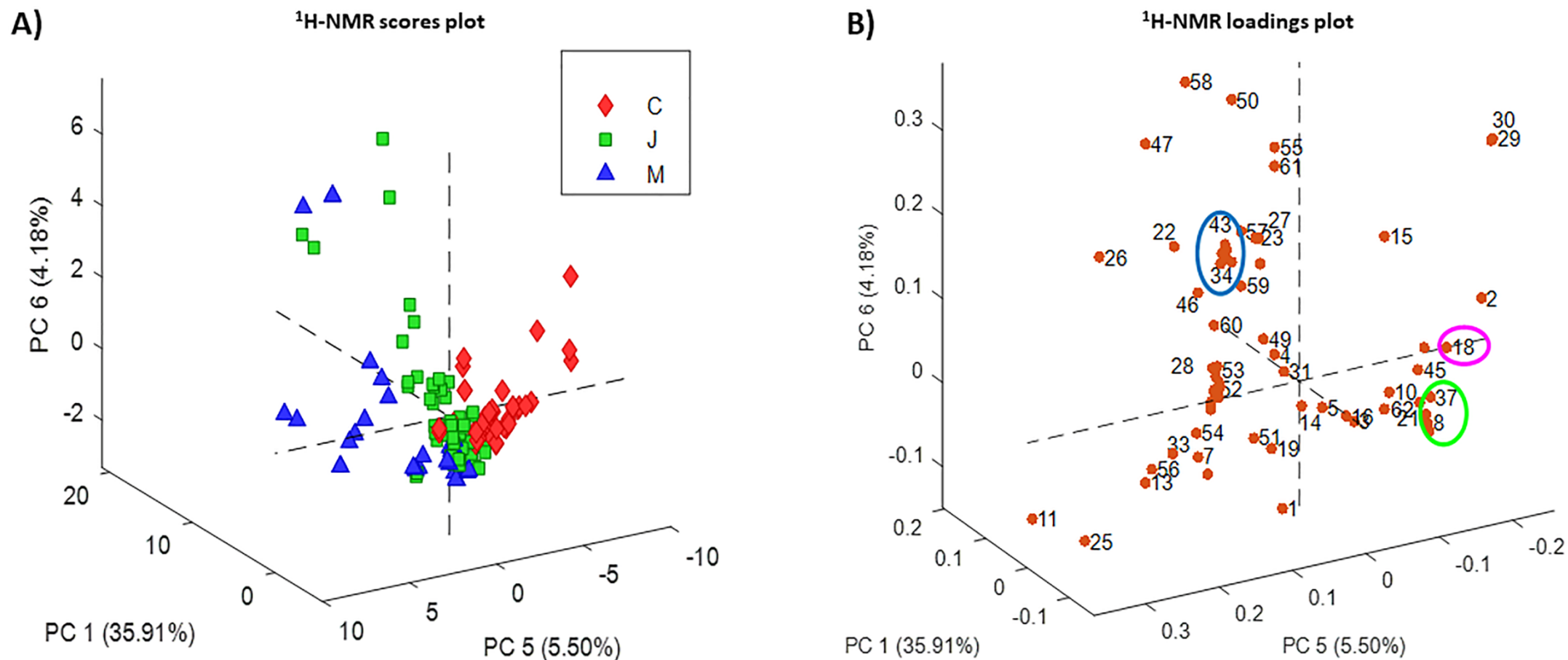


Fig. IV. 3-D Scores and loadings of the PCA model obtained for  $^1\text{H-NMR}$  data after the application of multivariate curve resolution (MCR) decomposition. The acronyms for the different vinegar PDOs are defined in Table 1.