**β-carotene**

The example that should underline the options of the different methods available with the V12a DCD shows the scattering curves of three different concentrations of ß-carotene in $D_2O$ (Fig.1) and a tomographic reconstruction of the same three dilutions filled into an Al matrix (Fig. 2). The different liquids could be distinguished in the matrix by tomographic reconstruction of the scattering signals from tomographic projections (colours match with the concentrations in the left and right hand side picture, one hole empty one filled with $D_2O$ only). The Al matrix (2 x 2 cm2) was reconstructed from the refraction contrast signal from the same tomographic scan.

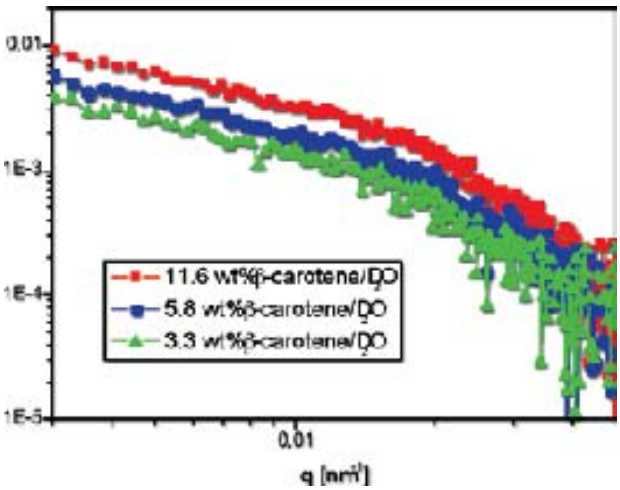


Fig. 1: Scattering curves of ß-carotene in $D_2O$

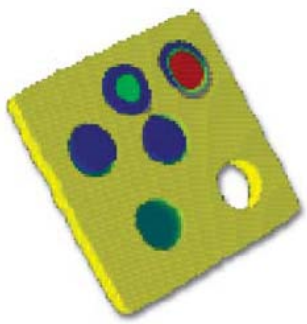

Fig. 2: Reconstruction of Al-matrix