



Fig. SM2. Time resolved absorbance spectra obtained by HR CS GFAAS measurement for $150.0 \mu\text{g L}^{-1}$ V, Ti, $300 \mu\text{g L}^{-1}$ Ni and $15 \mu\text{g L}^{-1}$ Ga (A) without Nb coating, spectral range between 294.1349 and 294.4999 nm; (B) with Nb coating, spectral range from 294.1349 and 294.4999 nm

