

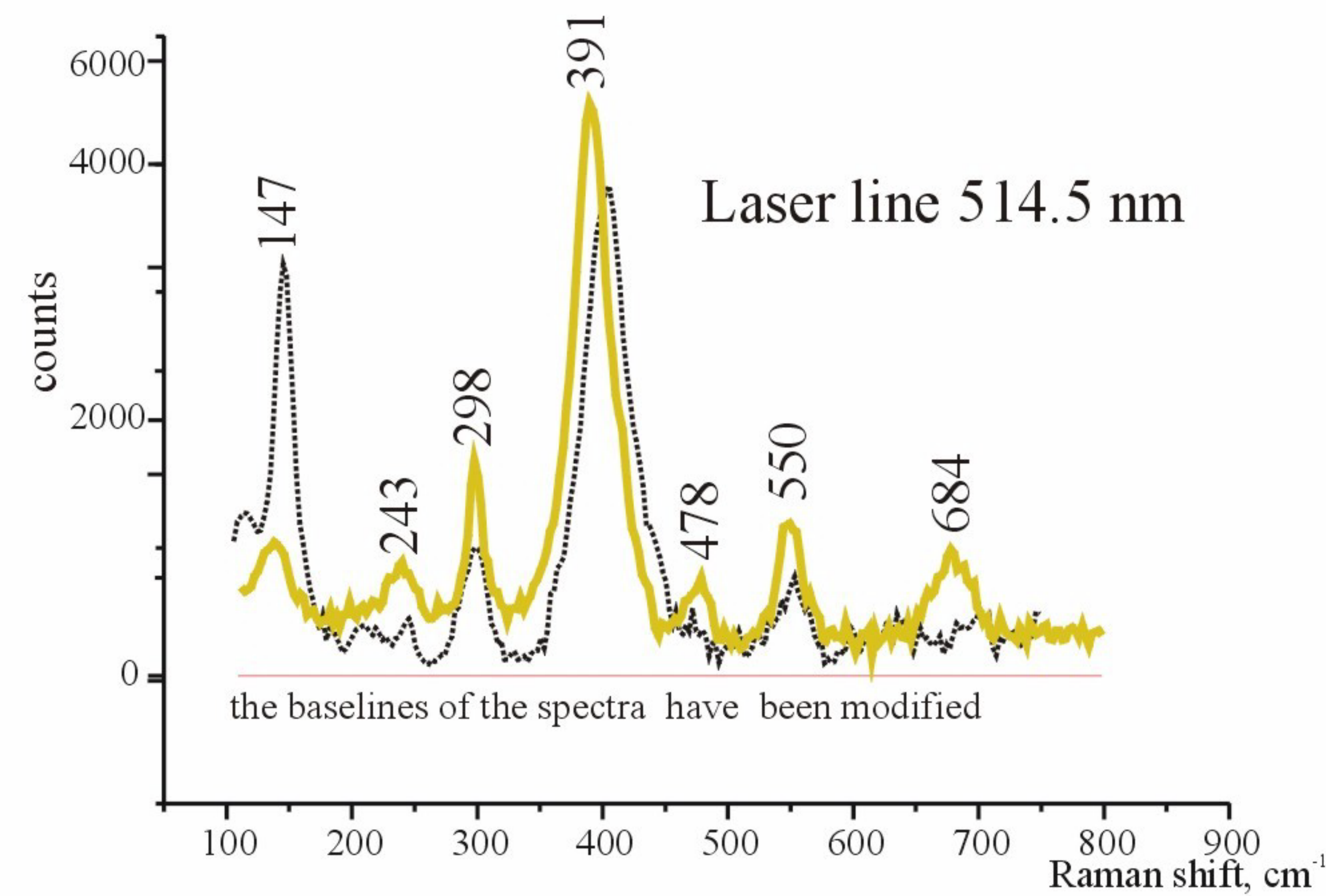
Infrared and Raman Spectra of Pigments from Roman Wall Paintings of *Domus Coiedii* at Suasa near Ancona, Italy

G. Di Lonardo, F. Ospitali and F. Tullini

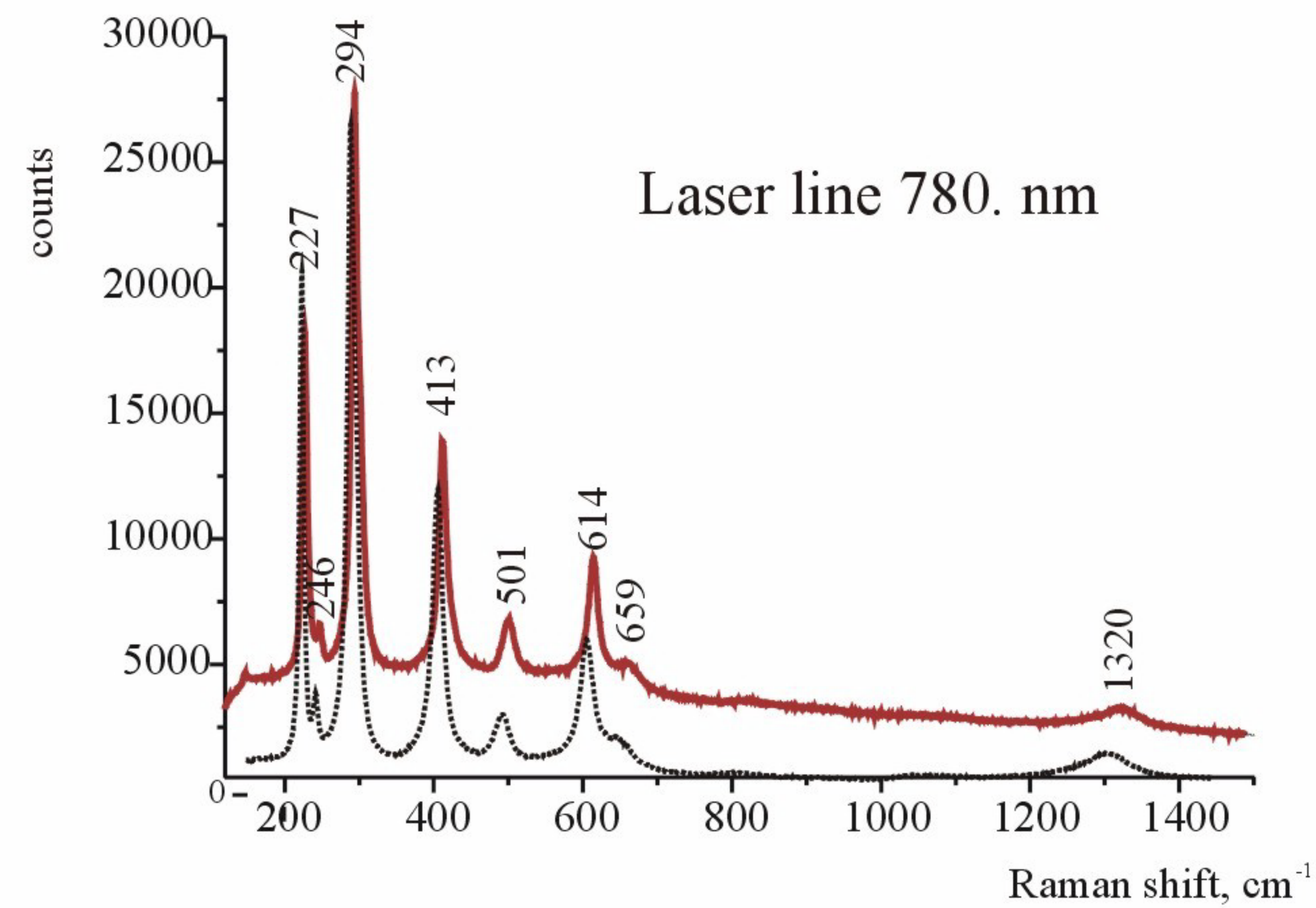
Dipartimento di Chimica Fisica e Inorganica, Viale del Risorgimento, 4 , Università di Bologna, Italy

S. De Maria, G. Lepore, L. Mazzeo, and M. Zaccaria

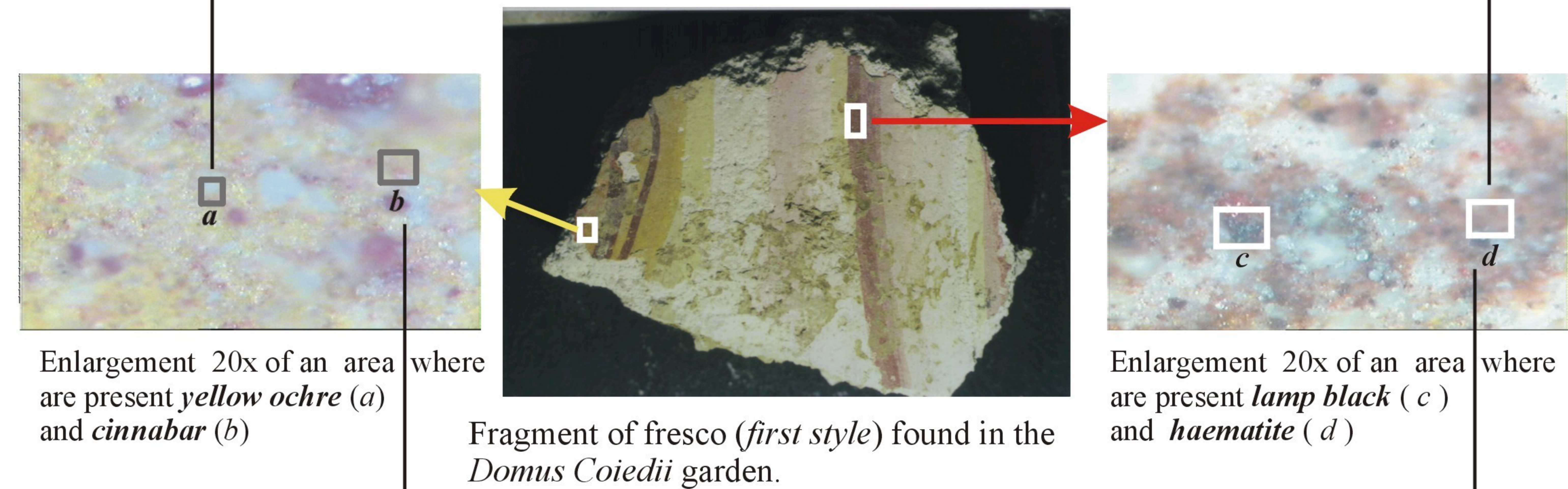
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fresco yellow line: Raman spectrum of a deep yellow grain of *yellow ochre* pigment dotted line: Raman spectrum of an orange grain of *yellow ochre*.



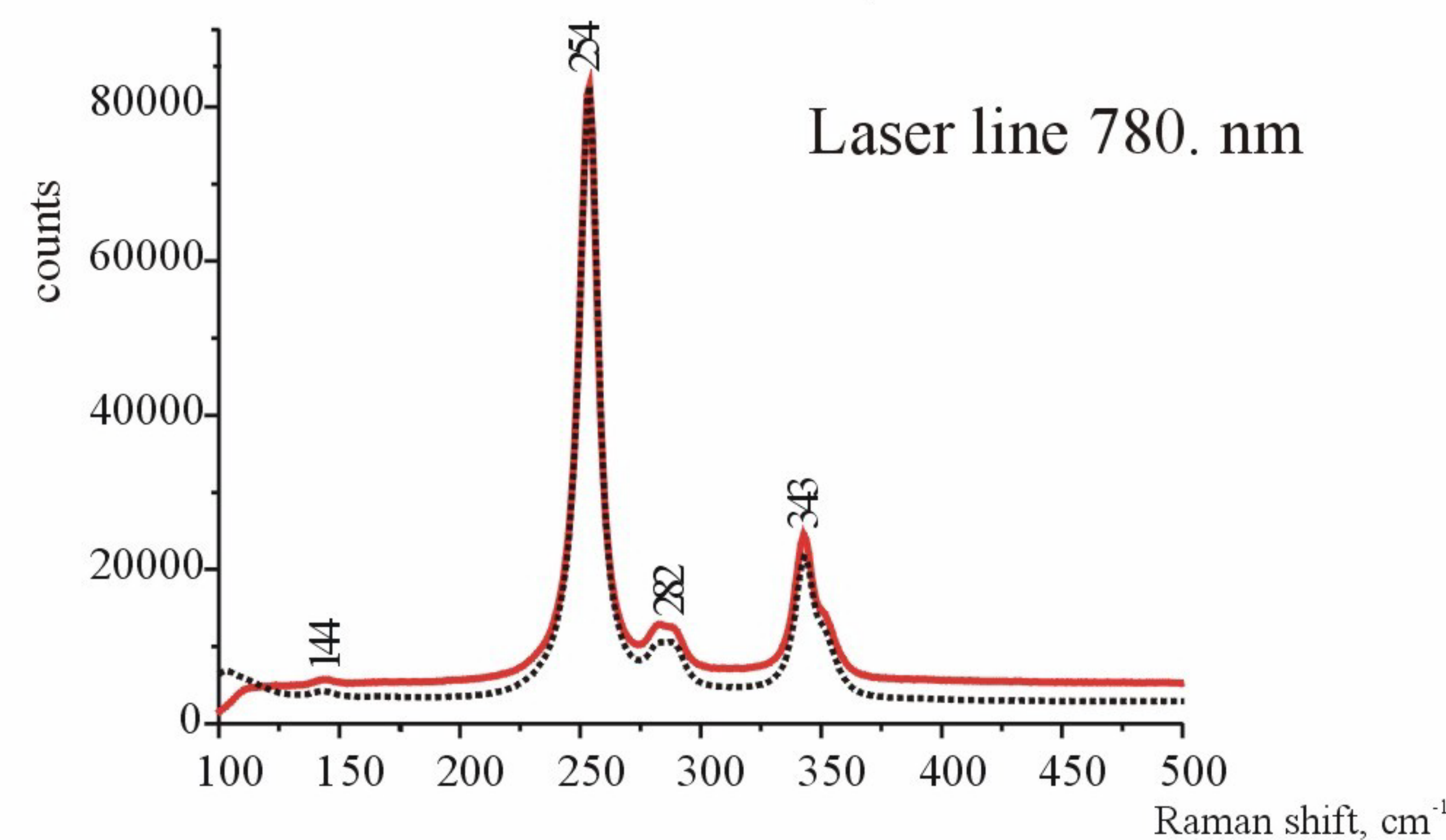
fresco red line: Raman spectrum of a black area containing *haematite* pigment dotted line: Raman spectrum of a red area of a Fe_2O_3 grain (*haematite*)



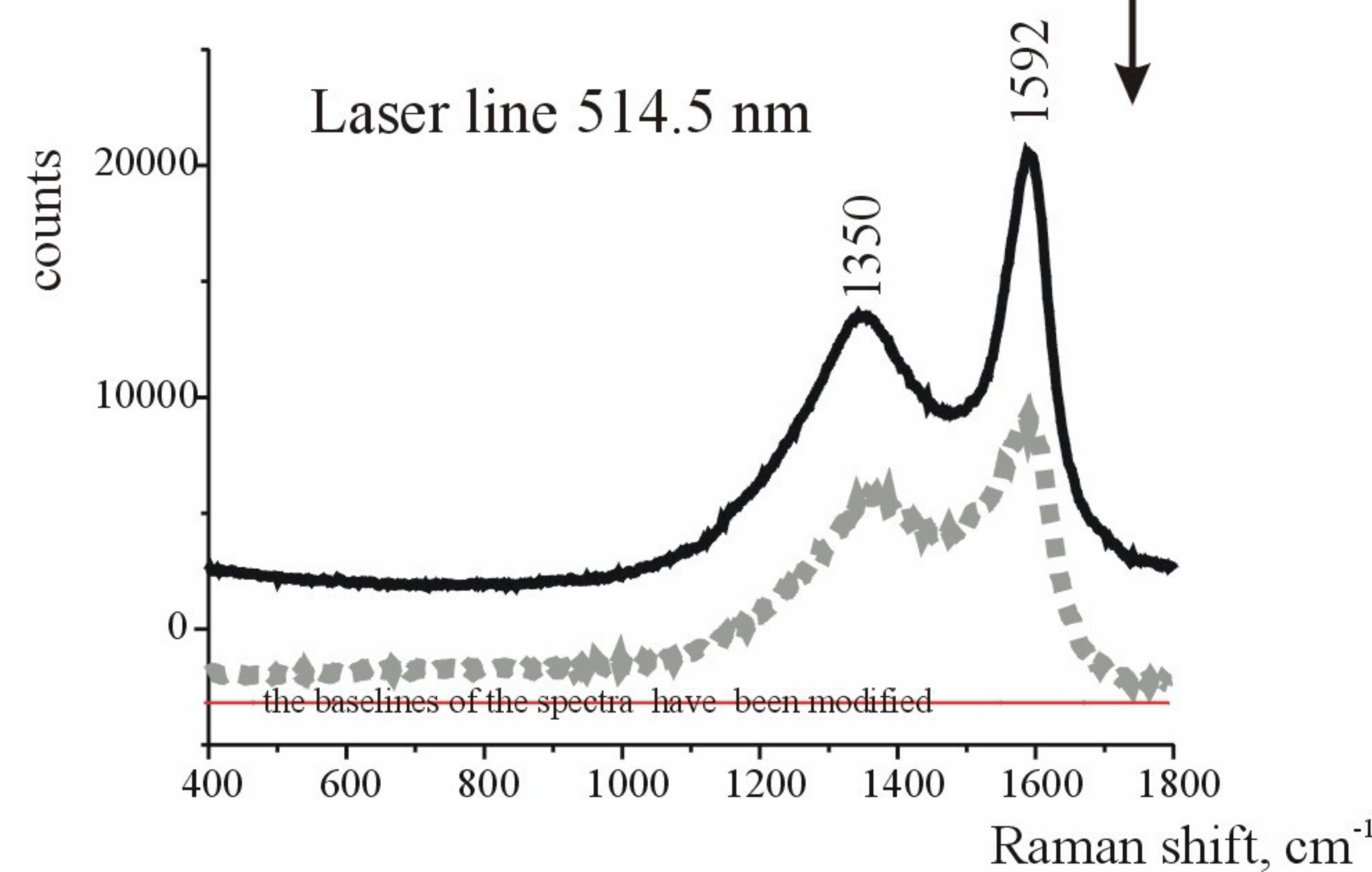
Enlargement 20x of an area where are present *yellow ochre* (a) and *cinnabar* (b)

Fragment of fresco (*first style*) found in the *Domus Coiedii* garden.

Enlargement 20x of an area where are present *lamp black* (c) and *haematite* (d)



fresco red line: Raman spectrum of a red crystal of *cinnabar* pigment dotted line: Raman spectrum of *HgS* powder



fresco black line: Raman spectrum of a black grain of *lamp black* pigment dotted line: Raman spectrum of a black grain of *carbon*