

Supplementary material

Discovering Giuseppe Capogrossi: study of the painting materials in three works of art stored at Galleria Nazionale (Rome)

J. La Nasa, P. Moretti, E. Maniccia, S. Pizzimenti, M.P. Colombini, C. Miliani, F. Modugno, P. Carnazza, D. De Luca

S1. Non-invasive FT-IR analysis points



Figure S1. Non-invasive FT-IR points: (a) *Superficie 207*; (b) *Superficie 538*; (c) *Superficie 555*

S2. Micro-sampling points of micro-destructive analysis and list of samples



Figure S2. Points of sampling: (a) *Superficie 207*; (b) *Superficie 538*; (c) *Superficie 553*

Table S1. Samples from *Superficie 207*

Point	Sample
1	Industrial Preparation
2	Blu
3	Fuchsia
4	Grey
5	Red
6	Beige
7	White
8	Black

Table S2. Samples from *Superficie 538*

Points	Sample
1	Preparation spread by Capogrossi
2	White1
3	White2
4	Glossy Black1
5	Glossy Black2
6	Opaque Black1
7	Opaque Black2

Table S3. Samples from *Superficie 553*

Point	Sample
1	Industrial Preparation
2	Preparation spread by Capogrossi (White1)
3	White baground (White2)

S3. Supplementary analytical data

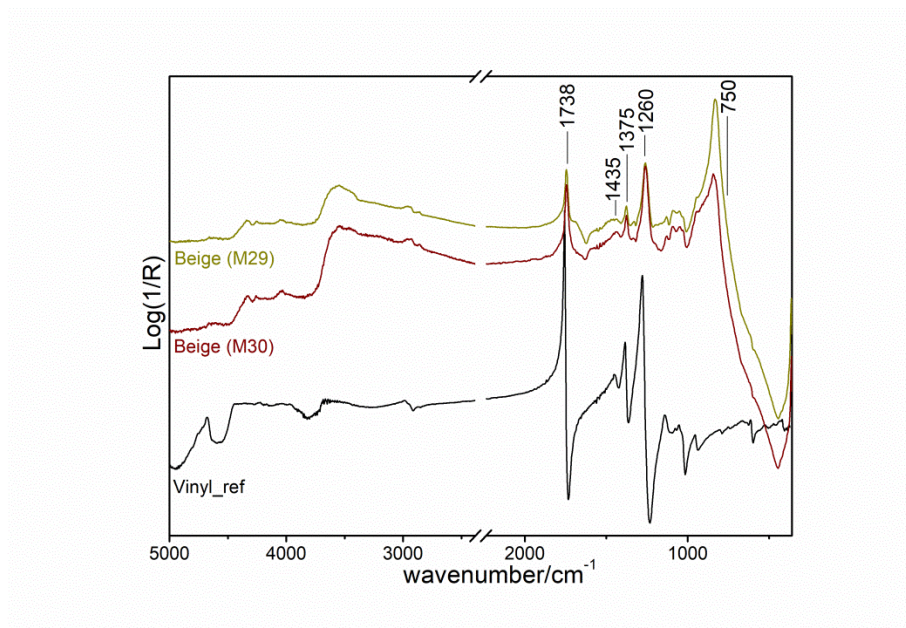


Figure S3. Reflection mode FT-IR spectra collected from a beige area (points M_29 and M_30) of *Superficie 207* compared with the reference spectrum of a vinyl resin.

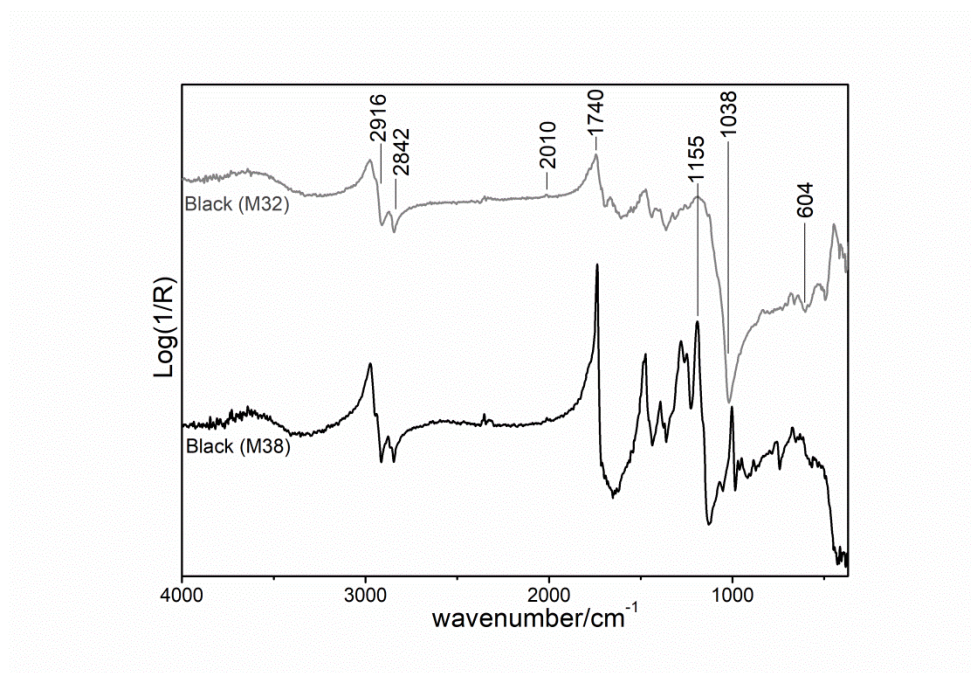


Figure S4. Representative reflection mode FT-IR spectra of blacks of *Superficie 207* (A = acrylic marker band).

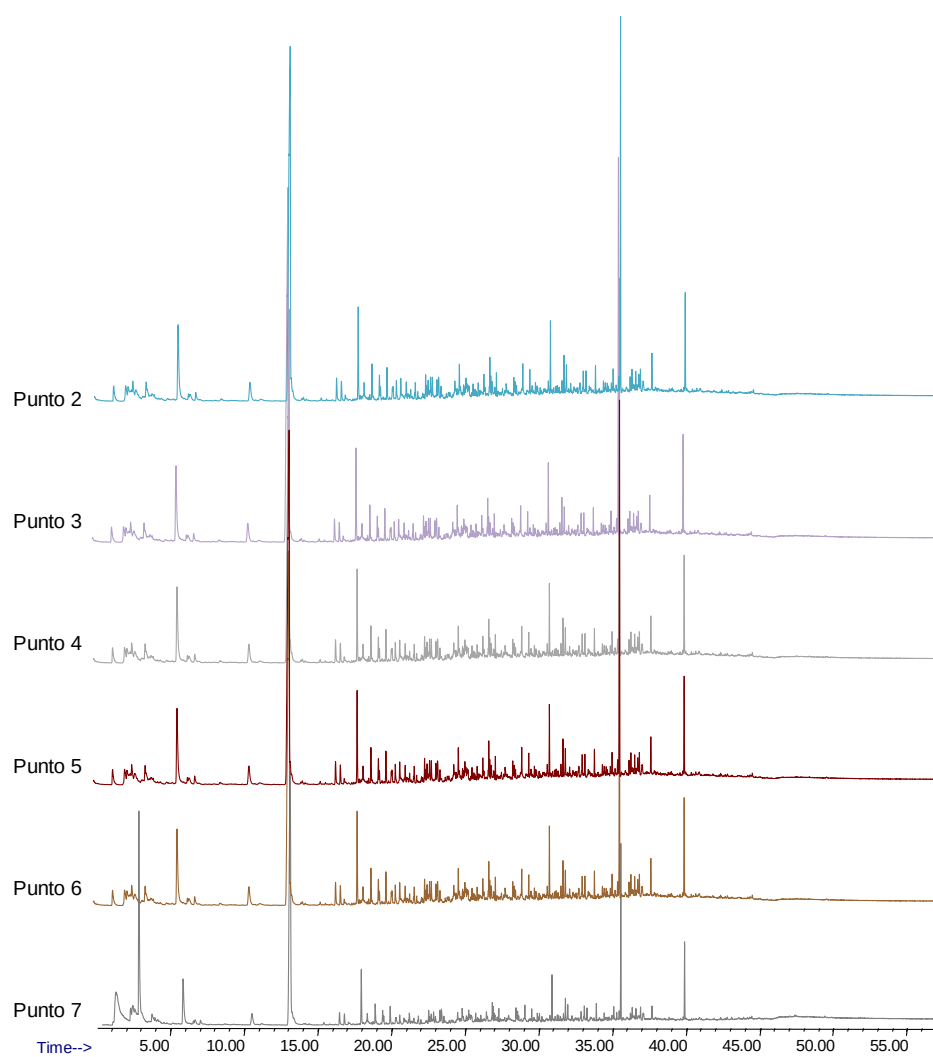


Figure S5. Pyrolytic profiles obtained by Py-GC/MS of samples taken from colored areas of *Superficie 207*.

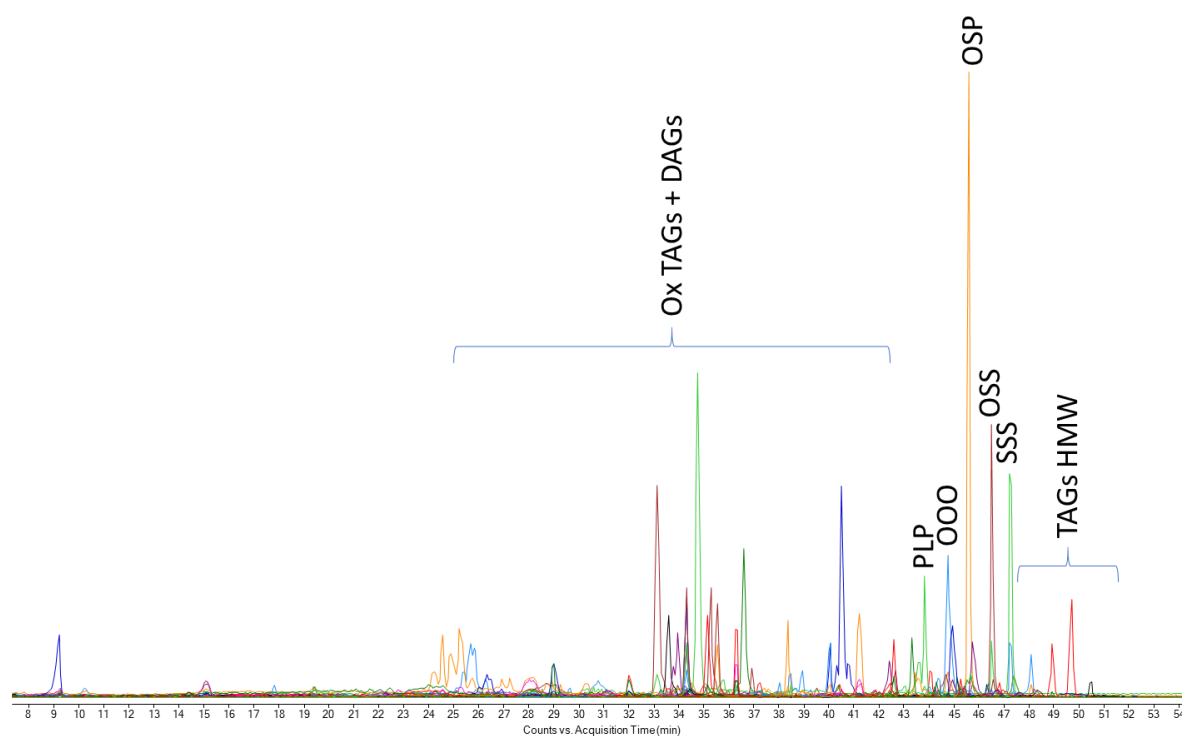


Figure S6 – HPLC-MS Extracted ion current chromatograms obtained in positive ionization mode for the extracts of the 538-white-1 sample from *Superficie 538*; Abbreviation list: P: palmitic acid, L: linoleic acid; O: oleic acid; S: stearic acid, HMW: high molecular weight