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List of Abbreviations

AmE	Alcohol methyl ethers
AMOLF	FOM Institute for Atomic and Molecular Physics
amu	Atomic mass unit
BP	Base Peak
CCI	Canadian Conservation Institute
DA	Discriminant Analysis
da	dicarboxylic acid, diacid
Dalton	see amu
DCM	Dichloromethane
DHA	Dehydroabietic acid
DTMS	Direct Temperature resolved Mass Spectrometry
DTMS/MS	DTMS tandem Mass Spectrometry
EI	Electron Ionisation
ESI	Electro Spray Ionisation
ESI- FTICR-MS	Electro Spray Ionisation Fourier Transform Ion Cyclotron Resonance Mass Spectrometry
EtOH	Ethanol
FAB/MS	Fast Atom Bombardment Mass Spectrometry
FAB/MS/MS	FAB tandem Mass Spectrometry
fame (FAmE)	Fatty acid methyl ester
FOM	Fundamenteel Onderzoek der Materie
FTIR	Fourier Transform Infrared Spectroscopy
GC	Gas Chromatography
GC/C-IRMS	GC/combustion/isotope ratio Mass Spectrometry
GC/MS	Gas Chromatography/Mass Spectrometry
GLC	Gas Liquid Chromatography
HMW	High Molecular Weight
HPLC	High Pressure Liquid Chromatography
HPSEC	High Pressure Size Exclusion Chromatography
HR FAB/MS	High Resolution Fast Atom Bombardment Mass Spectrometry
IR	Infrared
LC	Liquid Chromatography
LcFA	Long chain Fatty Acid
LMW	Low Molecular Weight
M	Molecular ion
Me	Methyl group
MOLART	Molecular aspects of ageing in painted art
MPLC	Medium Pressure Liquid Chromatography

MS	Mass Spectrometry
MW	Molecular Weight
NWO	Nederlandse Organisatie voor Wetenschappelijk Onderzoek
PCA	Principal Component Analysis
Py-	Pyrolysis
Py-GC/MS	Pyrolysis Gas Chromatography Mass Spectrometry
Py-TMAH-GC/MS	Pyrolysis Transesterification Gas Chromatography Mass Spectrometry
ScFA	Short chain Fatty Acid
SEC	Size Exclusion Chromatography
SEM / EDX	Scanning Electron Microscopy / Energy Dispersive X-ray Analyser
SRAL	Stichting Restauratie Atelier Limburg
TAG	Triglyceride
TD-GC/MS	Thermal Desorption Gas Chromatography Mass Spectrometry
TIC	Total Ion Current/ Total Ion Chromatogram
TLC	Thin Layer Chromatography
TMAH	Tetramethylammonium hydroxide
TMTFTH	Trimethyl-trifluoro-toluyl ammonium hydroxide
UV	Ultra-violet
UvA	University of Amsterdam
VI	Von Imhoff
VIS	Visible (light)
XRD	X-ray Diffraction