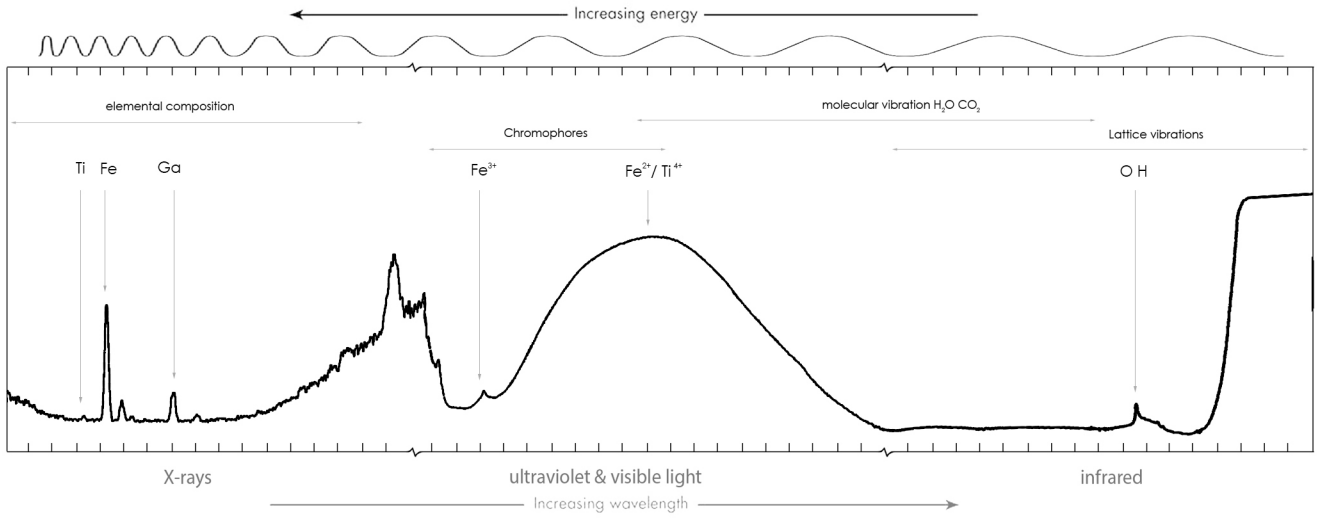
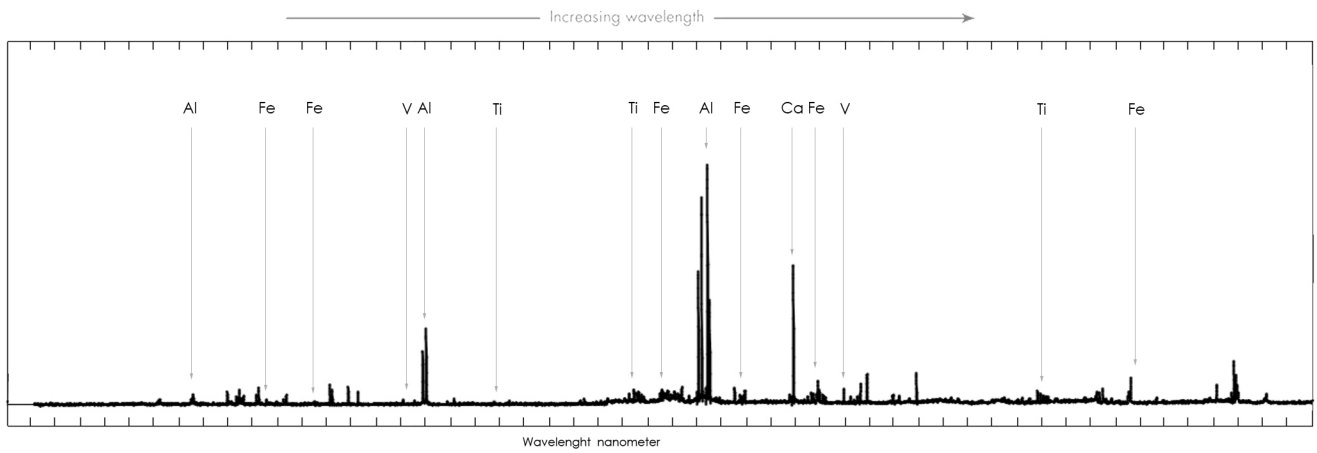


## ELECTROMAGNETIC SPECTRUM SAPPHIRE



## LASER ABLATION ELEMENTAL COMPOSITION SPECTRUM SAPPHIRE



## PHOTOLUMINESCENCE SPECTRUM SAPPHIRE

