

GCxGC MS: a comprehensive overview

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GCxGC or comprehensive chromatography is able to give unrivalled separation of complexed mixture in comparison to normal one dimensional chromatography. It is also able to deliver lower detection limits and better quantitation than conventional chromatography, by combining the separation capabilities of a polar and non polar column... In this presentation we will cover the two main methods of modulating the first dimension column and the benefits of each of these methods. We will also show examples of data and how it can be manipulated to give fast precise identifications and quantitation of mixtures. We will also show the role the mass spectrometer has in achieving the higher quality data that is obtainable by this technique.