

# Magnetic Resonance Mass Spectrometry

## Unravel nature's secrets

*The analytical fields of MALDI Imaging and petroleomics are as different as night and day, but they share the requirement for absolute certainty in compound identification. There can be no margin of error in the detection and correct assignment of extremely dangerous byproducts or deadly drug metabolites. With Bruker's MRMS technology, resolution and mass accuracy over a wide mass range reach unrivaled incredible new heights.*

### scimaX MRMS

Bruker's revolutionary superconducting magnet technology is the basis of the smaller footprint scimaX® MRMS system. This key innovation uses conduction-cooled 7T technology, which removes the requirement of liquid cryogen fills or quench ducts. The instrument comes standard with 2xR and Absorption Mode Processing (AMP) technology which means you have performance rivaling high field MRMS at your fingertips.

### solarix MRMS

This workhorse platform for high-field MRMS work (12T and 15T) is useful for ultra-complex mixture analysis requiring larger field strengths, such as petroleomics and dissolved organic materials. These instruments feature long liquid cryogen (LHe) hold time with 1 year fill intervals as regular maintenance.



#### MRMS

	scimaX	solarix 7T	solarix 12T and 15T
maximum resolution:	> 20,000,000	> 10,000,000	> 10,000,000
mass accuracy (internal):	600 ppb	600 ppb	300 ppb (12T), 250 ppb (15T)
liquid cryogen annual maintenance:	NO	YES	YES
quench duct requirement:	NO	YES	YES