

# MT Explorer 50

## A Next Generation Mass Spectrometer Portable / Field Deployable

Introducing our 2<sup>nd</sup> generation portable/field deployable ion trap mass spectrometer, the MT Explorer 50, from MassTech Inc. The new MT Explorer 50 is about 50% the size, weight, cost and power consumption of its predecessor while just as powerful. The compact design makes it perfect for field use. Its powerful MS<sup>n</sup> function makes structure elucidation easy to achieve. Its atmospheric pressure inlet makes it easy to switch between ESI, AP MALDI, APCI, and other ion sources for various applications.

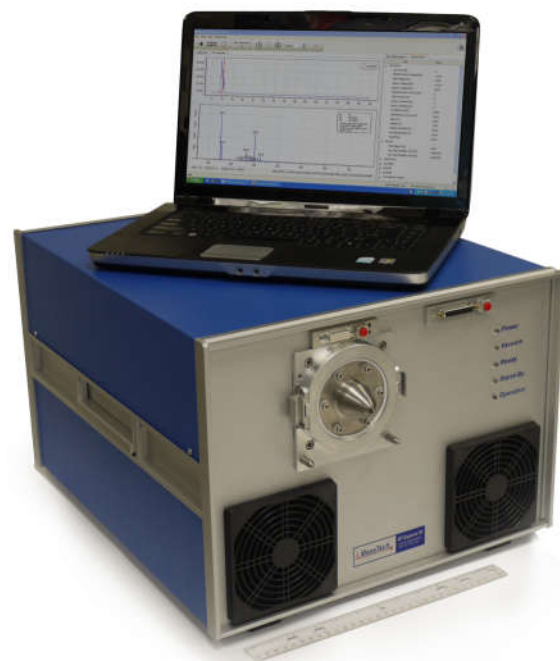


Figure 1. MT Explorer 50

### Applications:

- Structure elucidation
- Chemical, Biological Identification
- Pharmaceuticals
- Environmental samples
- Foods and fragrances
- Other samples (peptides, proteins, carbohydrates, lipids, polymers, etc.)
- Mass spectrometric imaging

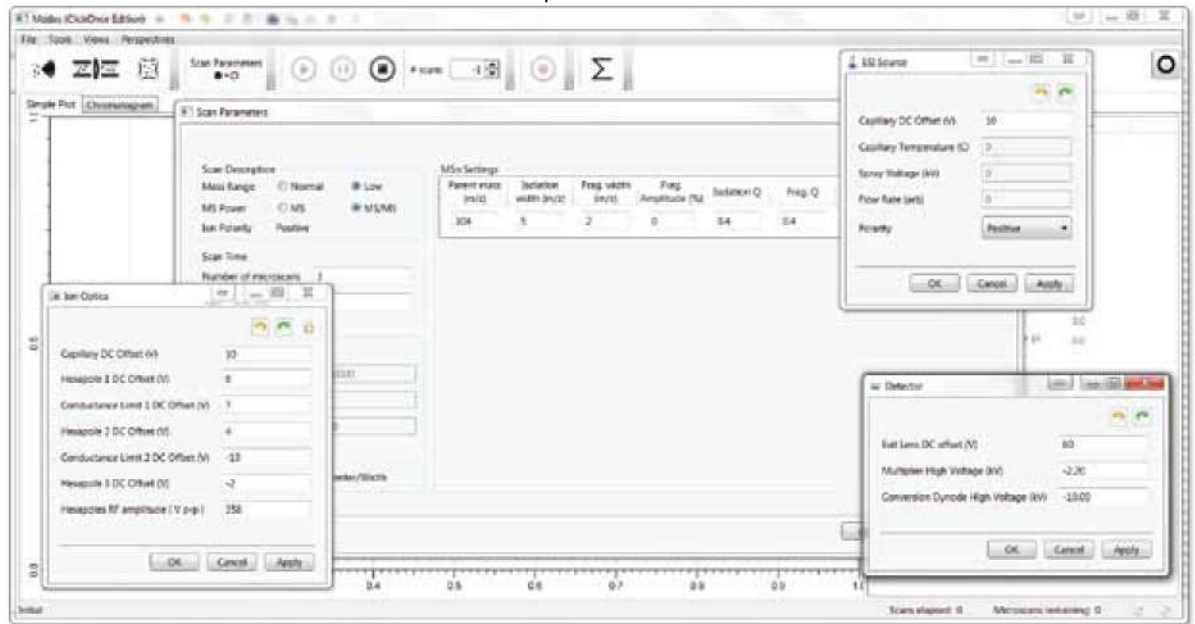
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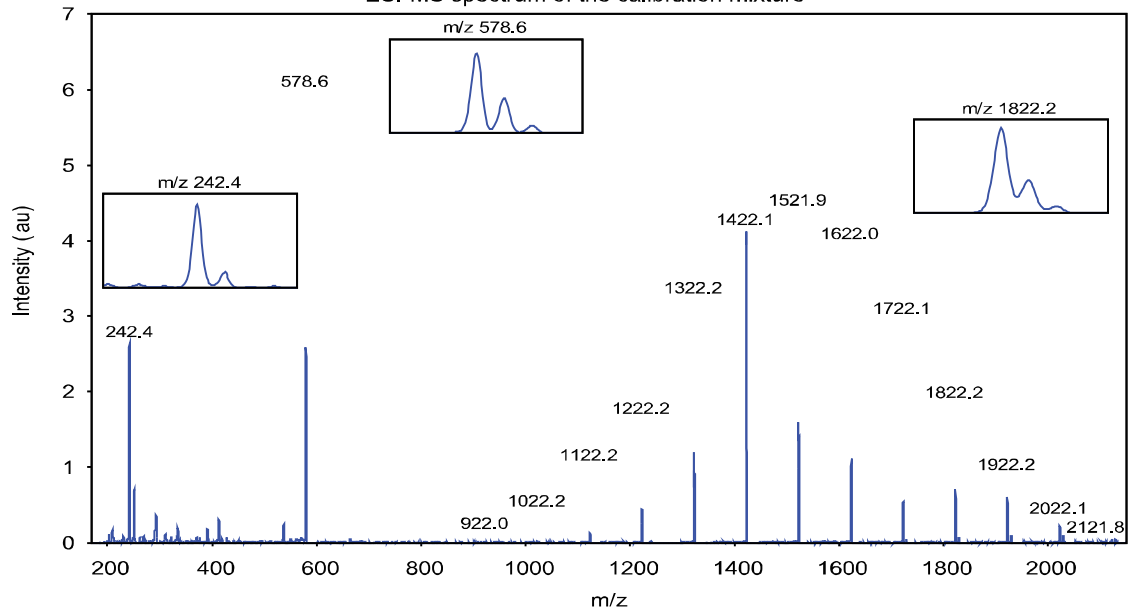
QR Code

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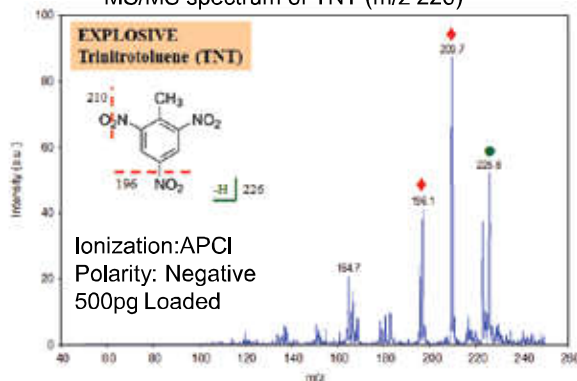
Screenshot of MT Explorer 50 control software



ESI-MS spectrum of the calibration mixture



MS/MS spectrum of TNT (m/z 226)



MS/MS spectrum of Carbofuran (m/z 222)

