

# WHAT CAN MORE IONS DO FOR YOUR GC/MS/MS?

## NEW AGILENT 7010 TRIPLE QUADRUPOLE GC/MS

Redraw the boundaries of GC/MS/MS workflow efficiency and analytical performance with the new high-efficiency Electron Ionization (EI) source. Simply put, more ions means more success for you and your lab.

Learn how more ions can give you more confidence in your data.

Visit [agilent.com/chem/7010](http://agilent.com/chem/7010)

Let us help you find the right GC configuration, MS technology, and software package to meet your application and budget needs.

Visit [agilent.com/chem/MS](http://agilent.com/chem/MS)

### MORE IONS ► boost workflow efficiency

The enhanced sensitivity of the new high-efficiency EI source allows you to run only 1/4 the sample volume for routine analysis.

The benefits include:

- Up to 300% improvement of liner life
- Up to 3x longer column life based on smaller sample injection
- Simplified workflow – no need for sample preconcentration



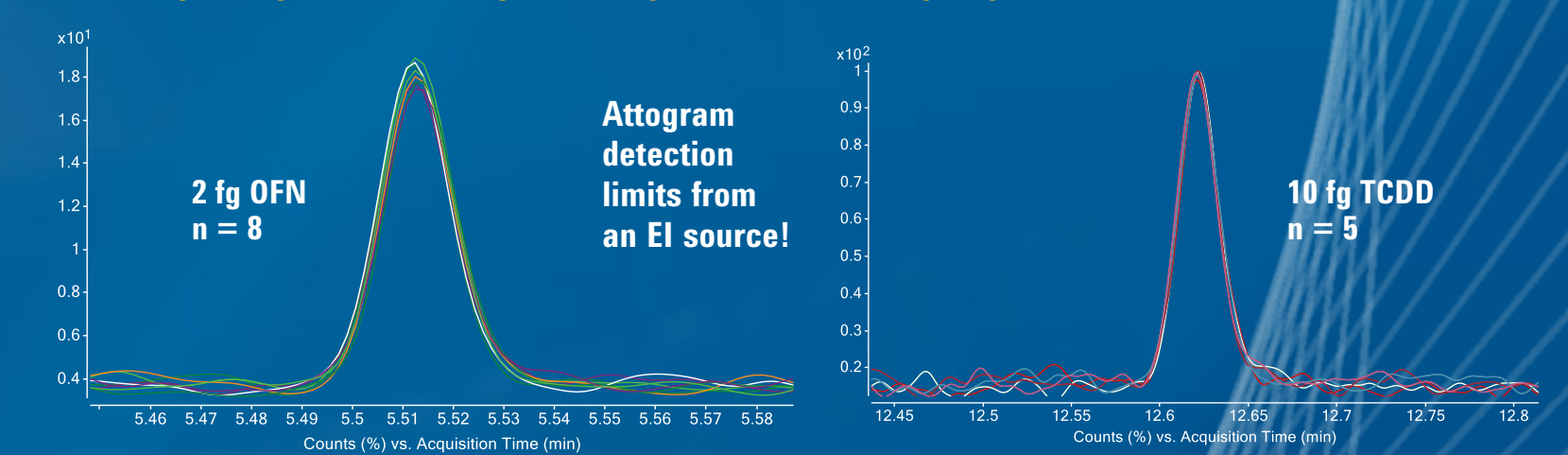
### MORE IONS ► detection limits lowered to attogram levels

The enhanced sensitivity of the new high-efficiency EI source enables up to 20x more ions, and delivers unprecedented performance.

The benefits include:

- Shorter dwell times required to achieve expected precision
- More transitions measured per compound
- Improved ion ratios for better qualitative information

Quantify analytes at levels previously unachievable by any GC/MS



Analysis of octafluoronaphthalene (2 fg)  
LOD = 300 attograms (calculated from 8 consecutive injections)

Analysis of dioxin 2,3,7,8-TCDD (10 fg on-column)  
Sensitivity beyond HRMS (mag sector)



Agilent 7000C Triple Quadrupole GC/MS  
The proven choice for today's regulatory methods



Agilent 5977A GC/MSD  
World's best single quadrupole GC/MS for sensitivity, stability, and spectral fidelity



Agilent 5977E GC/MSD  
Outstanding value for routine analysis



Agilent 7200 GC/Q-TOF  
Industry leader in high resolution accurate mass



Agilent 5975T LTM GC/MSD  
Transportable GC/MS system – for where and when you need it



Agilent 7010 Triple Quadrupole GC/MS  
Setting new standards for EI performance

## AGILENT'S NEW HIGH-EFFICIENCY ELECTRON IONIZATION SOURCE

- More intense electron beam
- Longer interaction path length
- Proprietary lens configuration

