## INTRODUCTION TO TUBE-BASED THERMAL DESORPTION





HISTORY





Launch of automated system with

capability for TD, headspace, SPME

and high-capacity sorptive extraction

(Centri<sup>®</sup>, Markes International)



Preconcentrated analytes desorbed from focusing trap into GC-MS

## HOW THERMAL DESORPTION WORKS



## FORWARD-FLUSH OR BACKFLUSH TRAPPING?

The choice of forward-flush or backflush operation is a key factor in determining the analyte range and performance that can be achieved.



## **ADVANTAGES & DISADVANTAGES**

Thermal desorption is a versatile technique with a range of benefits.



To learn more about automating tube-based thermal desorption using Markes' Centri<sup>®</sup> multi-mode sampling and preconcentration platform, visit **chem.markes.com/Centri-Platform** 

