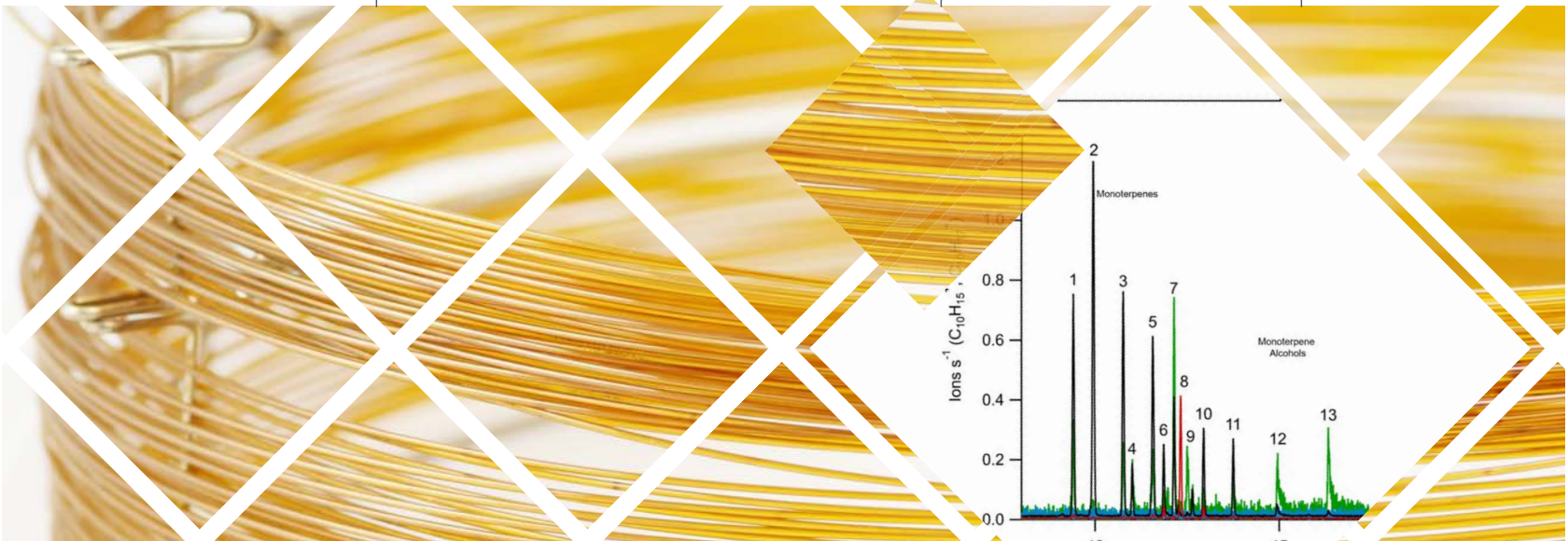




## Fast GC for Vocus

GC separation before the Vocus PTR-TOF increases experimental resolution and separates isomeric species



### Features

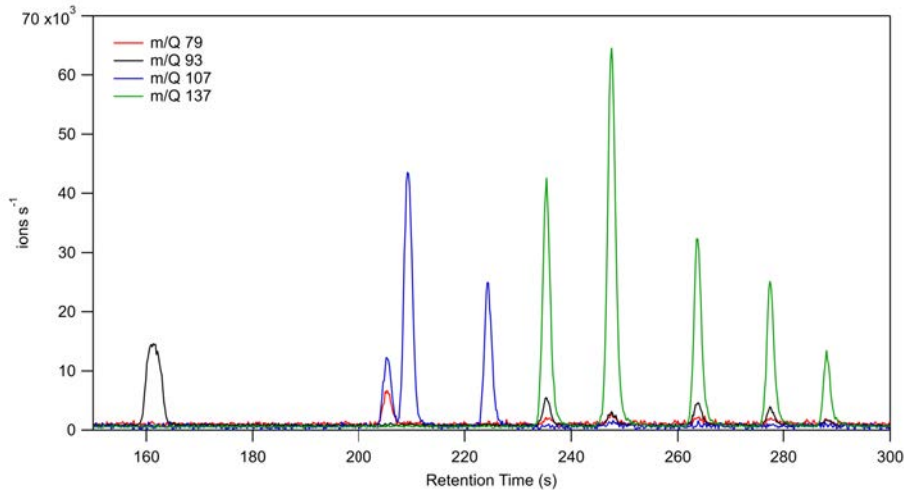
- Plug-and-play coupling with Vocus PTR-TOF
- Compact architecture
- Integrated software control with customizable methods and workflows
- Easy to exchange columns
- Adjustable separation time
- Automated switching between online and GC-PTR-TOF measurements

### Applications

- Atmospheric Sampling
- Food, Flavor and Fragrances
- Beverage and Alcohol
- Material Emissions

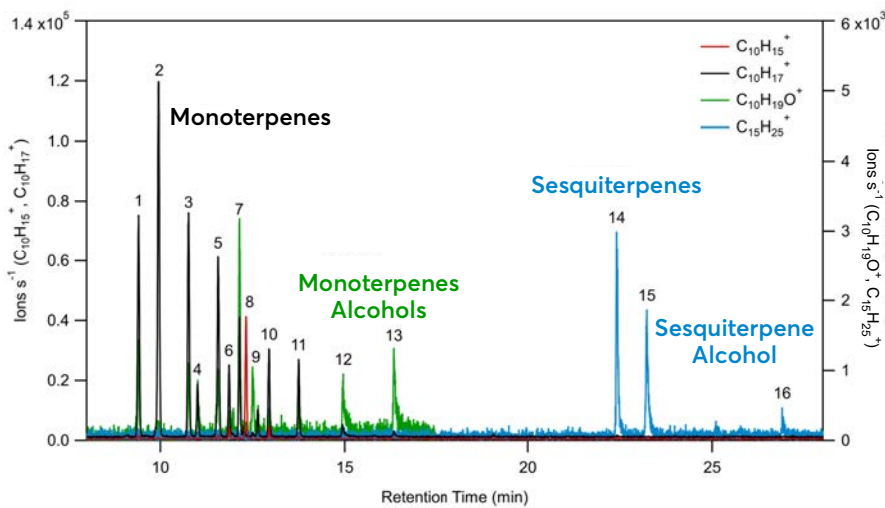
# Vocus PTR-TOF

## Rapid analysis of isomers



The fast GC separates isomers before detection with the Vocus PTR-TOF. Here, monoterpene and aromatic isomers are clearly resolved in less than 5 minutes.

## Enhanced profiling of complex mixtures

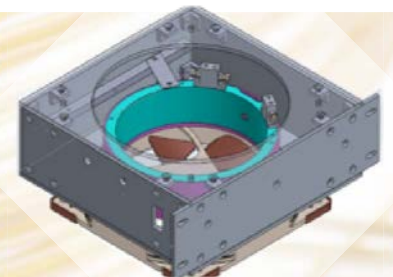


The combined Vocus GC-PTR-TOF can confidentially identify and quantify trace level VOCs in complex mixtures, such as these cannabis emissions.

- |                     |                        |
|---------------------|------------------------|
| 1 - alpha-pinene    | 9 - ocimene            |
| 2 - camphene        | 10 - gamma-terpinene   |
| 3 - beta-pinene     | 11 - terpinolene       |
| 4 - myrcene         | 12 - linalool          |
| 5 - carene          | 13 - Isopulegol        |
| 6 - alpha-terpinene | 14 - betacaryophyllene |
| 7 - limonene        | 15 - humulene          |
| 8 - p-cymene        | 16 - bisabolol         |

## Specifications

MAX Heating Rate	130 °C/min (2.1 °C/s)
Max Cooling Rate	190 °C/min (3.2 °C/s)
Separation Time	2 to 60 min
Accuracy (isothermal)	(Isothermal): 0.5 °C (Ramped): 1.25 °C [typical]
Maximum Temperature	230 °C
Size	638 x 533 x 622 mm, 20 kg



- Compact, plug-and-play design
- Fast heating and cooling
- Hassle-free exchange of columns