



## Vocus Elf PTR-TOF

The world's most compact PTR-TOF for real-time monitoring of trace VOCs



### Features

- Revolutionary reaction cell design yields exceptional sensitivity and speed
- Ultra-low limits of detection
- Compact, durable architecture enables laboratory-grade performance on mobile platforms
- Small footprint and low power consumption

### Applications

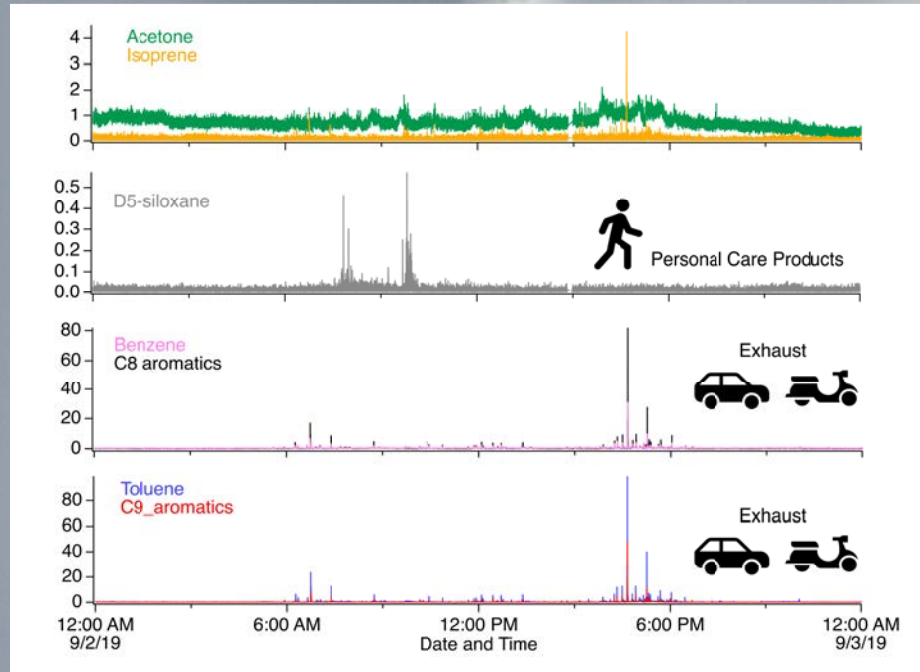
- Air toxic monitoring
- Mobile monitoring for source emissions
- Industrial park air monitoring
- Fenceline monitoring
- Fast screening of material emissions
- QA/QC on production line

# Vocus PTR-TOF

## Real-time monitoring of trace VOCs

The speed and sensitivity of the Vocus Elf PTR-TOF enable the observation of rapid changes in the concentrations of VOCs in complex environments.

The data at right demonstrate how VOCs originating from different sources have different diurnal profiles. D5-siloxane from personal care products shows enhanced levels in morning rush hour, whereas aromatics from traffic exhaust peaks in the afternoon rush hour.



## Mobile measurements of ambient air

With its small, rugged build and low power consumption the Vocus Elf PTR-TOF is easily installed in vehicles to map the spatial distribution of trace VOCs.



### Specifications

Sensitivity (cps/ppb, Xylene)	500
LOD (1-min, Xylene)	< 20 ppt
Resolving Power	500
Maximum Resolving Power	750
Size	380 x 500 x 650 mm
Power (Max / Typical)	450 / 400 W

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