AutoTrace 280 PFAS Solid Phase Extraction Instrument

- Automates SPE for the preparation of PFAS in water samples
- Fits into any LC-MS work-flow for PFAS analysis
- Tested with US EPA Method 537.1 and EPA Method 533
- Reduces risk and sources of PFAS background in your method
- Improves laboratory efficiency

Time and freedom to tackle other challenges

Presentation #7

Thermo Fisher
S C I E N T I F I C

- Reduction of PFAS background
  - Tubing and valves and not Teflon based
  - Less manual interaction results in fewer sources of background

- SPE automation benefits
  - Minimal user interaction required
  - Improves reproducibility and recoveries
  - Precise control of flow rates improves consistency
  - Improved analytical precision and reproducibility

- Parallel sample processing steps

- Ability to load up to 4 L
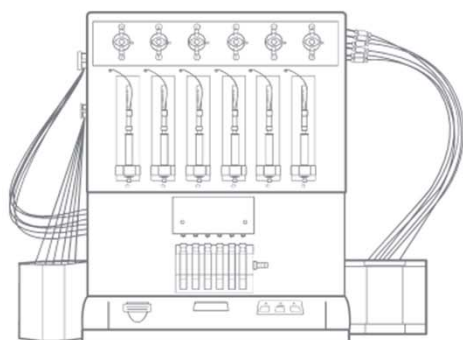 - Can achieve lower detection limits in non-targeted applications

Presentation #7

Thermo Fisher
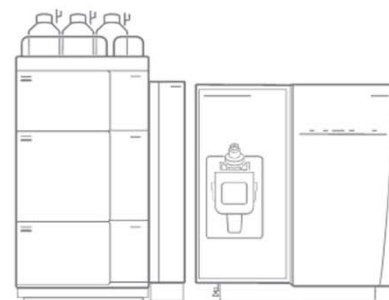SCIENTIFIC

PFAS Analysis Workflow

Sample collection, processing → Sample extraction and clean up → Analysis

AutoTrace 280 PFAS Automated SPE Instrument

Thermo Scientific™ Vanquish™ UHPLC System and Thermo Scientific™ TSQ Fortis™ Triple Quadrupole mass spectrometer

Targeted Analysis: For methods such as EPA 537.1 or EPA 533

Thermo Scientific™ Q Exactive™ Hybrid Quadrupole Orbitrap mass spectrometer and Thermo Scientific Vanquish UHPLC System

Unknown Screening: For discovery methods or non-targeted analysis

Presentation #7

ThermoFisher
SCIENTIFIC