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Miniaturized Micromachined Gas Chromatography with Universal and Selective Detectors for Targeted Volatile Compounds Analysis

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Highlights:

- A compact, transportable analytical system comprising three atmospheric pressure detectors coupled to a micromachined gas chromatograph is introduced.
- The feature sets of universal and selective detectors provides enhanced selectivity, sensitivity, and confirmatory capability for volatile compounds analysis.
- Relevant and difficult analyses of volatile organic compounds are demonstrated.

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