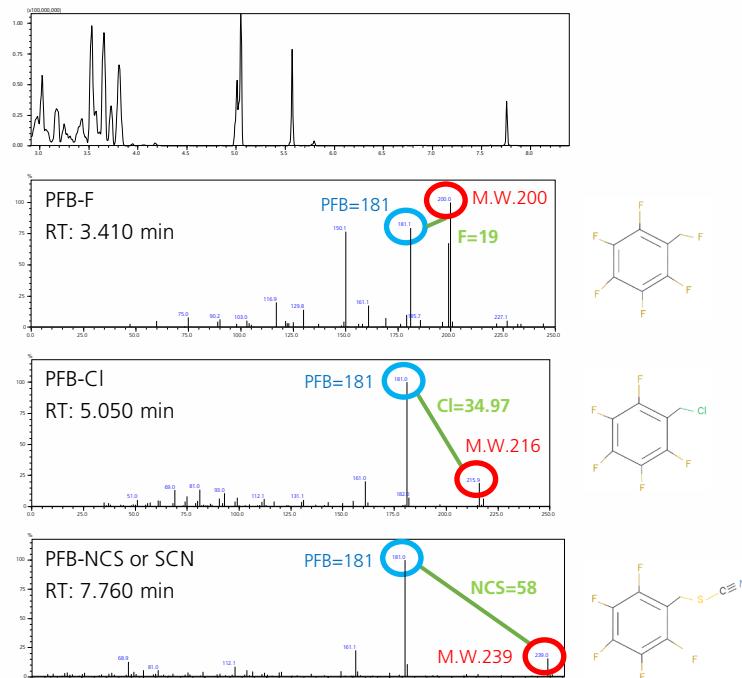
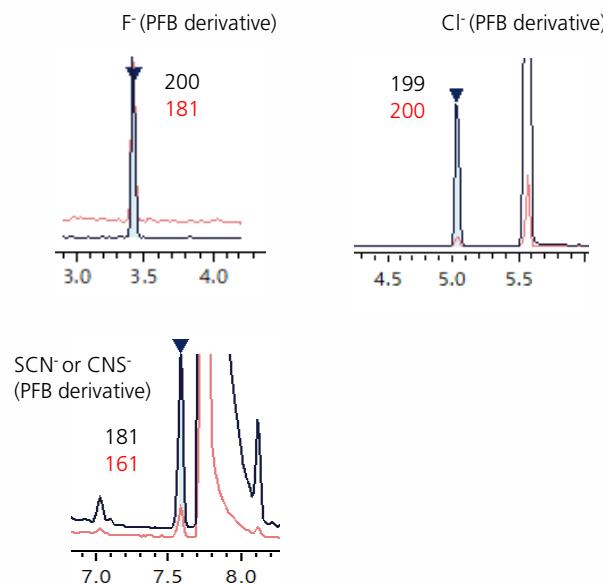


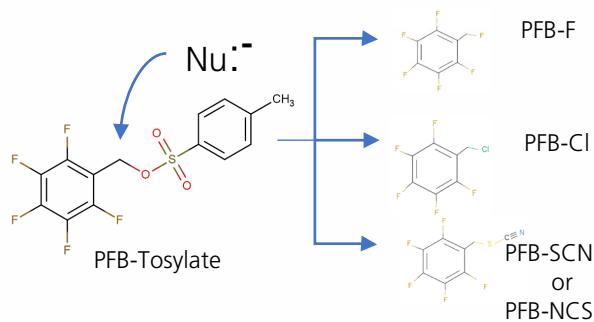
CoreFocus
 Report
 No.395

GCMS HS SH Series

SH-I-5MS
Semi-Quantitative Analysis of Anions in Water

Keywords: fluoride contamination, drinking water


 Mass Spectra Obtained from a 50 $\mu\text{g}/\text{mL}$ Mixed Solution

 Mass Chromatograms Obtained from a 5 $\mu\text{g}/\text{mL}$ Solution



Reactants and Products in the Derivatization Reaction

Model	:	GCMS-QP™2020 NX/HS-20
Column	:	SH-I-5MS (30 m x 0.25 mm I.D., 0.25 μ m) P/N: 221-75940-30
HS		
Oven temp.	:	80 °C
Sample line temp.	:	150 °C
Transfer line temp.	:	150 °C
Pressurizing gas pressure	:	100 kPa (He)
Equilibrating time	:	5 min
Multi injection time	:	1
GC		
Injection mode	:	Split
Split ratio	:	5
Carrier gas	:	He
Control mode	:	Constant linear velocity (51.0 cm/s)
Column oven temp.	:	40 °C (2 min) - (20 °C/min) - 240 °C (2 min) Total 14.00 min
MS		
Ion source temp.	:	200 °C
Interface temp.	:	240 °C
Measurement mode	:	Simultaneous scan/SIM (FASST)
Scan mass range (<i>m/z</i>)	:	35 - 400
SIM ions (<i>m/z</i>)	:	Refer to Page 1 (Mass Chromatograms)
Event time	:	0.30 s

Source : Application News 01-00038 ([JP](#), [ENG](#))

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