

Electronic Supplementary Information for
**Evaluation of thermal effect on separation selectivity in anion-exchange processes by
superheated water ion-exchange chromatography**

Masami Shibukawa,^{†*} Akihiko Taguchi,[‡] Yusuke Suzuki,[‡] Kazunori Saitoh,[‡] Toshihiko Hiaki,[‡] and Takashi Yarita[§]

[†]Graduate School of Science and Technology, Saitama University, 255 Shimo-Okubo, Sakura-ku, Saitama, 338-8570, Japan

[‡]Department of Applied Molecular Chemistry, College of Industrial Technology, Nihon University, 1-2-1, Izumi-cho, Narashino, 275-8575, Japan

[§]National Metrology Institute of Japan, National Institute of Advanced Industrial Science and Technology, Tsukuba Central 3, Umezono, Tsukuba, 305-8563, Japan

*Corresponding Author. Tel: +81-48-858-3520. Fax: +81-48-858-3520. E-mail:
sibukawa@apc.saitama-u.ac.jp

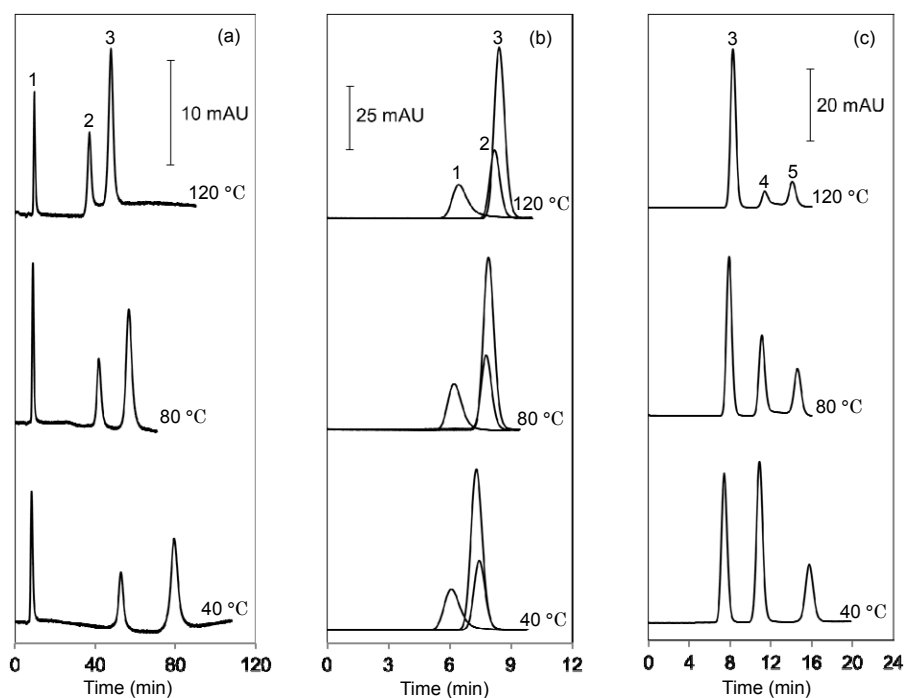


Fig. S1 Variation of chromatograms for inorganic anions with temperature.

Analytes: 1 = IO_3^- , 2 = Br^- , 3 = NO_3^- , 4 = I^- , 5 = SCN^- . Eluent: (a) $0.1 \text{ mol dm}^{-3} \text{ NaCl}$, (b) and (c) $0.1 \text{ mol dm}^{-3} \text{ NaClO}_4$.