Electronic Supplementary Material (ESI) for Analyst.

Supporting Information

Quantitative analysis of multiple high-resolution mass spectrometry images using chemometric methods: Quantitation of chlordecone in mouse liver

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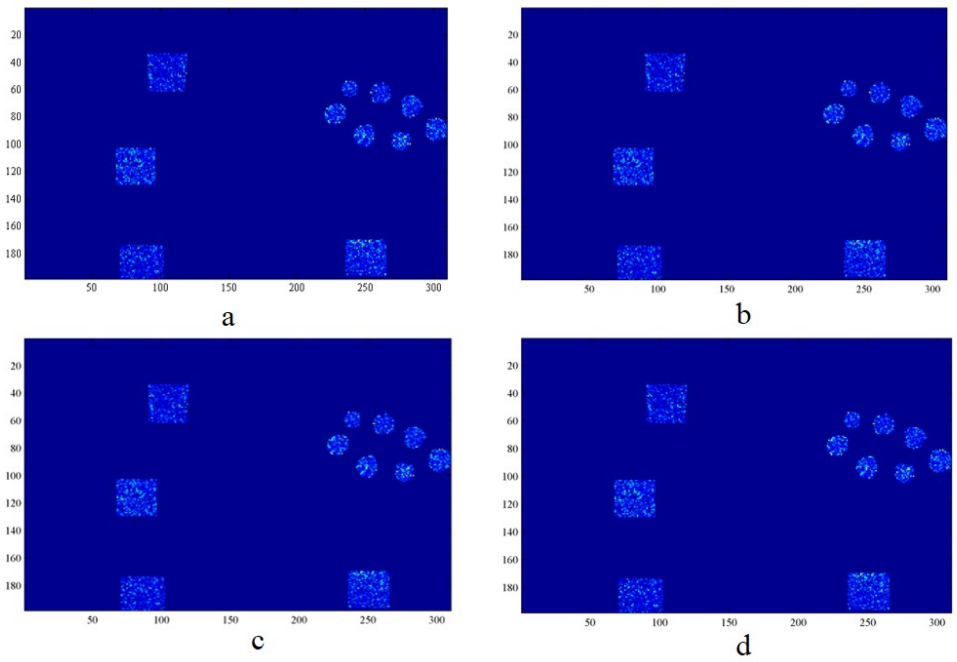

Figure S1. 2D image of (a) original data set II and binned data in (b) bin size 0.25 (c) bin size 0.5 (d) bin size 1

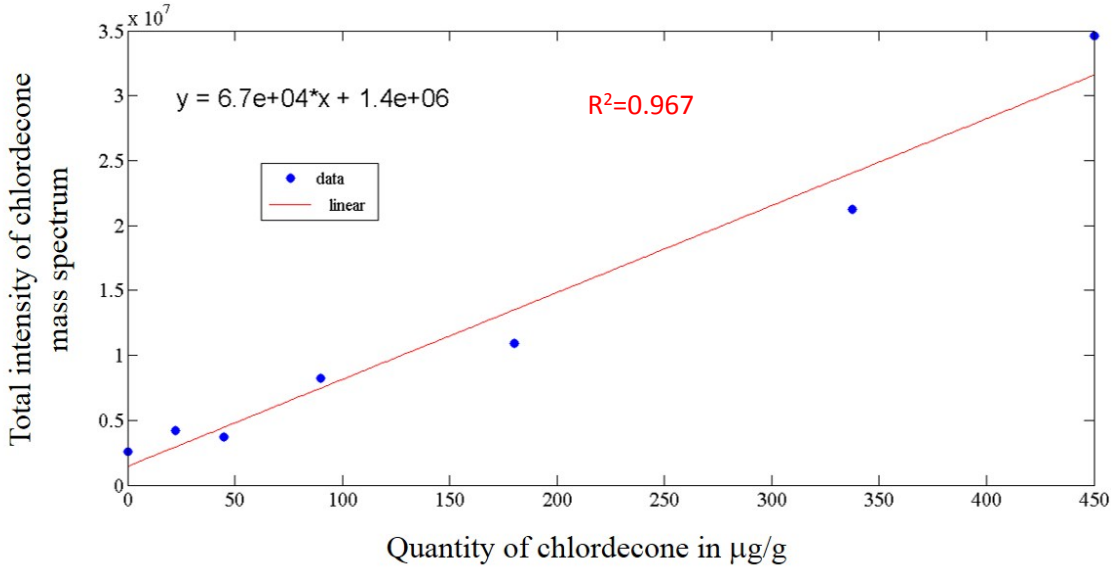

Figure S2. Calibration curve for data set II with bin size 0.25.

Table S1. Univariate analytical figures of merit for quantification of chlordecone using MALDI-MSI associated with MCR-ALS method.

	Slope			Intercept			LOF			RE (%) [a]		
Bin size / Time (day)	0.25	0.5	1	0.25	0.5	1	0.25	0.5	1	0.25	0.5	1
1	2.6×10^4	2.1×10^4	1.6×10^4	5.9×10^6	1.2×10^6	4.2×10^5	4.1	5.3	10.7	10.3	11.2	8.37
5	6.7×10^4	2.5×10^4	4.2×10^5	2.8×10^5	4.7×10^6	1.2×10^6	7.0	7.5	11.7	6.5	8.2	11.2
10	7.0×10^4	4.2×10^4	3.0×10^4	1.3×10^6	2.8×10^5	4.8×10^6	7.0	8.3	8.4	3.8	6.5	6.99

[a] $RE(\%) = 100\sqrt{\frac{\sum_i (ci - \hat{c}i)2}{\sum_i (ci)2}}$