1   Supplementary Table 1. Successful classification of recurrent ovarian cancer patients

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Age	Stage	Cell type	Recurrence	CA125 (U/ml)	Screening (P: patient)		
					90%[a]	85%[a]	80%[a]
50	Ia	SCC	Y		P	P	P
42	Ic	serous cystadenocarcinoma	Y		P	P	P
54	IIa, G2	adenocarcinoma, mixed endometrioid	Y	68.55	P	P	P
56	IIIa, G3	serous adenocarcinma	Y	81.3	P	P	P
67	IIIc	strumal carcinoid	Y		P	P	P
58	IIIc, G3	serous adenocarcinma	Y	33.51	P	P	P
41	IIIc, G3	mixed serous and transitional cell carcinoma	Y	27.69	P	P	P
58	IV	MMMT	Y	82.49	P	P	P

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4   [a] Sensitivities for the determination of the screening score thresholds in the training set. In the following

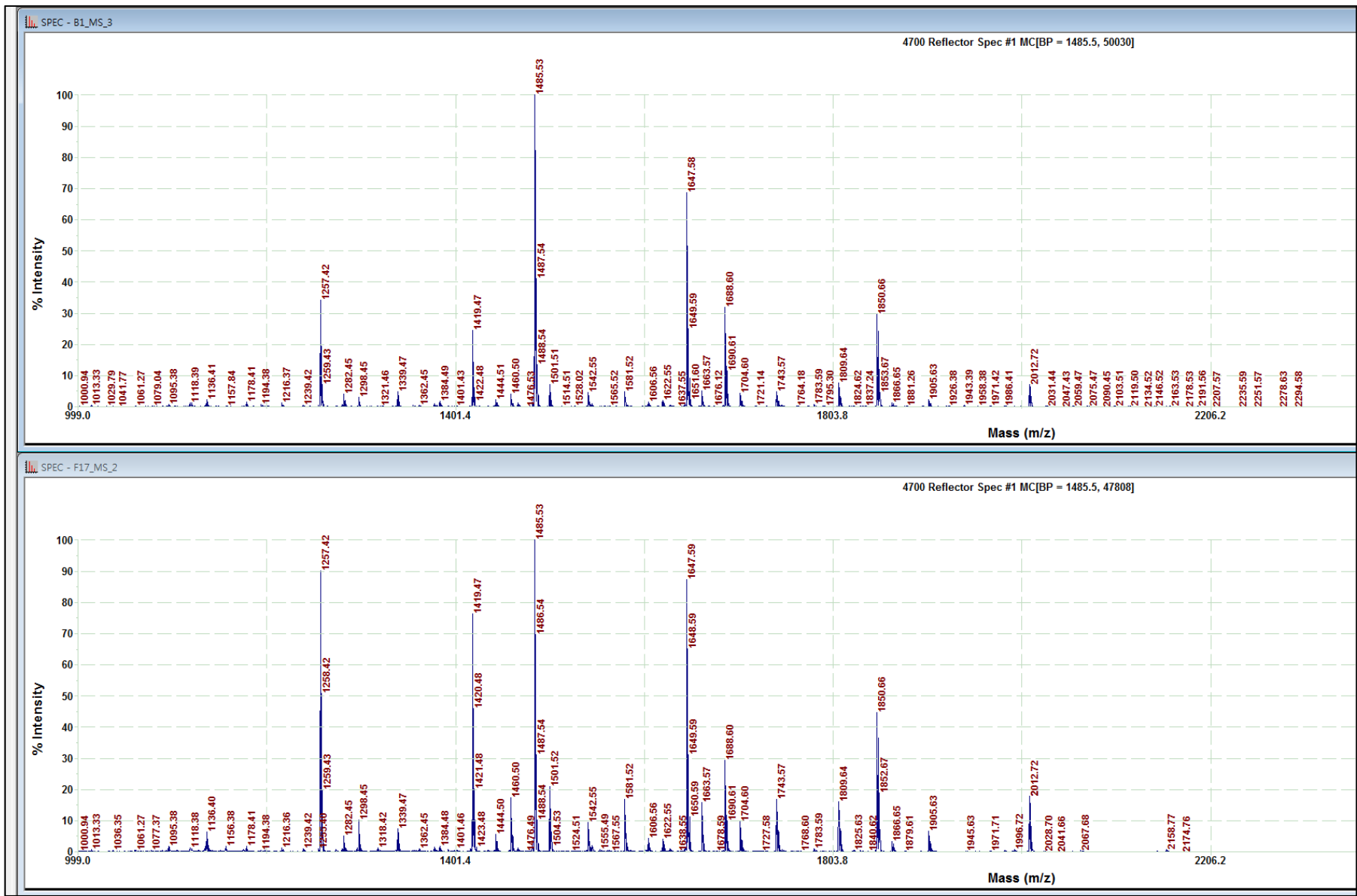5   column, the same score threshold was used for the screening of the test samples.

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1   Supplementary Table 2. Classification of ovarian cancer sera depending on the cell types

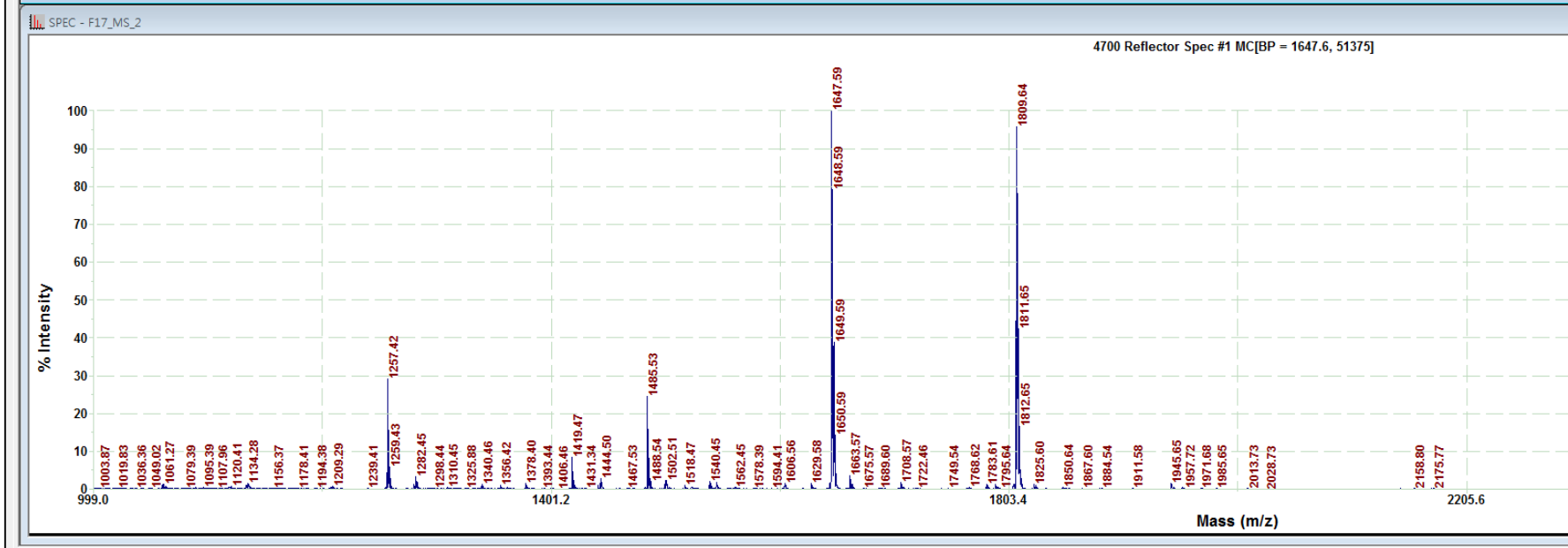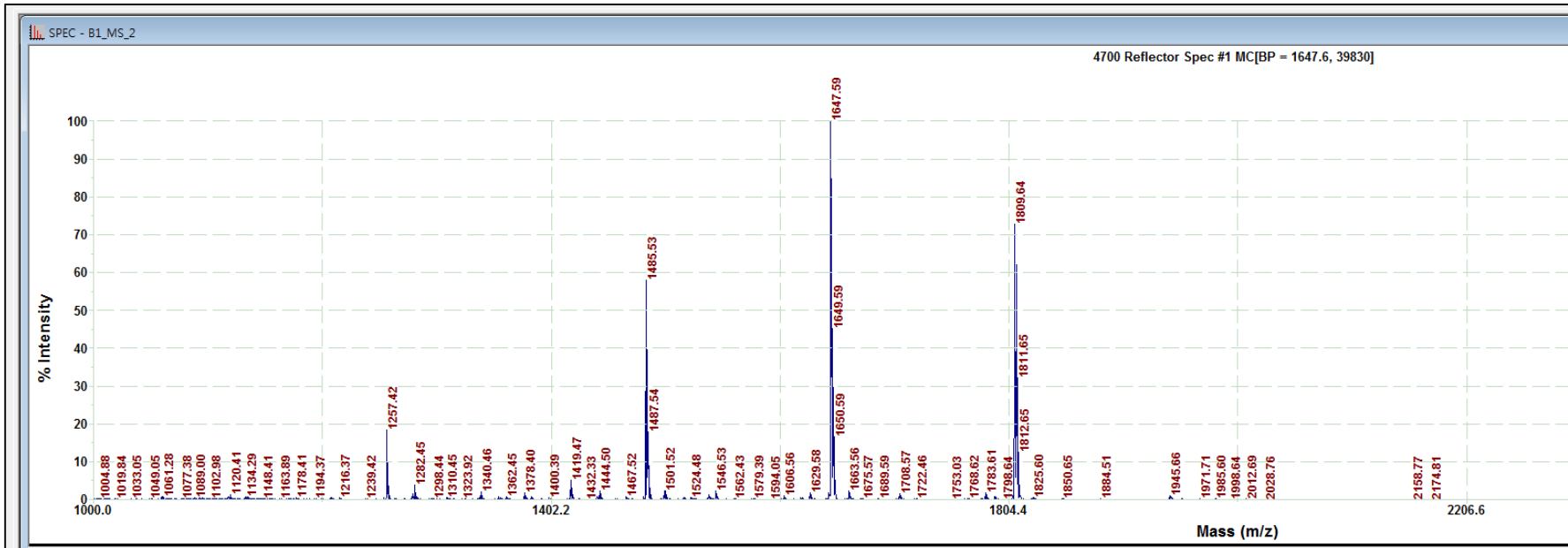| Sensitivity standard for threholds (Training set)		90%	85%	80%	CA-125
Sensitivity in the training set	Clear cell type	100%	100%	100%	80%
	Serous type	88%	81%	69%	73%
Sensitivity in the blind test set	Clear cell type	89%	89%	89%	67%
	Serous type	93%	93%	87%	92%

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Supplementary Figure 1

Supplementary Figure 2