Table 40A-8-001. $CsHSeO_4$. Structure of phase II [87Bar]. T = 299(1) K. Fractional coordinates and isotropic temperature parameters. B is defined by Eq. (e) in Introduction.

	x	y	z	B [Å^2]
Cs	0.2099(1)	0.1285(2)	0.2062(2)	1.55
Se	0.7452(2)	0.1261(2)	0.2786(2)	1.15
O(1)	0.5689(13)	0.2182(14)	0.1125(16)	2.67
O(2)	0.8965(14)	0.2599(13)	0.3653(15)	2.48
O(3)	0.6505(13)	0.0644(12)	0.4186(14)	2.13
O(4)	0.8112(16)	−0.0191(13)	0.1876(16)	3.20

Table 40A-8-002. $CsHSeO_4$. Structure of phase II [87Bar]. T = 299(1) K. Interatomic distances [Å] and bond angles [°].

Se–O(1)	1.711(11)	O(1)–Se–O(2)	106.6(6)
Se–O(2)	1.608(11)	O(1)–Se–O(3)	101.5(6)
Se–O(3)	1.623(10)	O(1)–Se–O(4)	108.8(6)
Se–O(4)	1.595(11)	O(2)–Se–O(3)	113.7(6)
O(1)···O(3^{i})	2.603(15)	O(2)–Se–O(4)	113.8(6)
		O(3)–Se–O(4)	111.4(6)

Symmetry code: (i) x, $0.5-y$, $z-0.5$.

Cs–O(1)	3.291(11)	Cs–O(1^{i})	3.899(11)
–O(1^{ii})	3.647(11)	–O(2^{iii})	3.358(11)
–O(2^{i})	3.208(10)	–O(2^{iv})	3.059(11)
–O(3)	3.339(11)	–O(3^{v})	4.052(10)
–O(3^{vi})	3.173(10)	–O(4^{iii})	3.368(13)
–O(4^{v})	3.099(10)	–O(4^{vii})	3.152(12)

Symmetry code: (i) $1-x$, $y-0.5$, $0.5-z$; (ii) x, $0.5-y$, $0.5+z$; (iii) $x-1$, y, z; (iv) $x-1$, $0.5-y$, $z-0.5$; (v) $1-x$, $0.5+y$, $0.5-z$; (vi) $1-x$, $-y$, $1-z$; (vii) $1-x$, $-y$, $-z$.