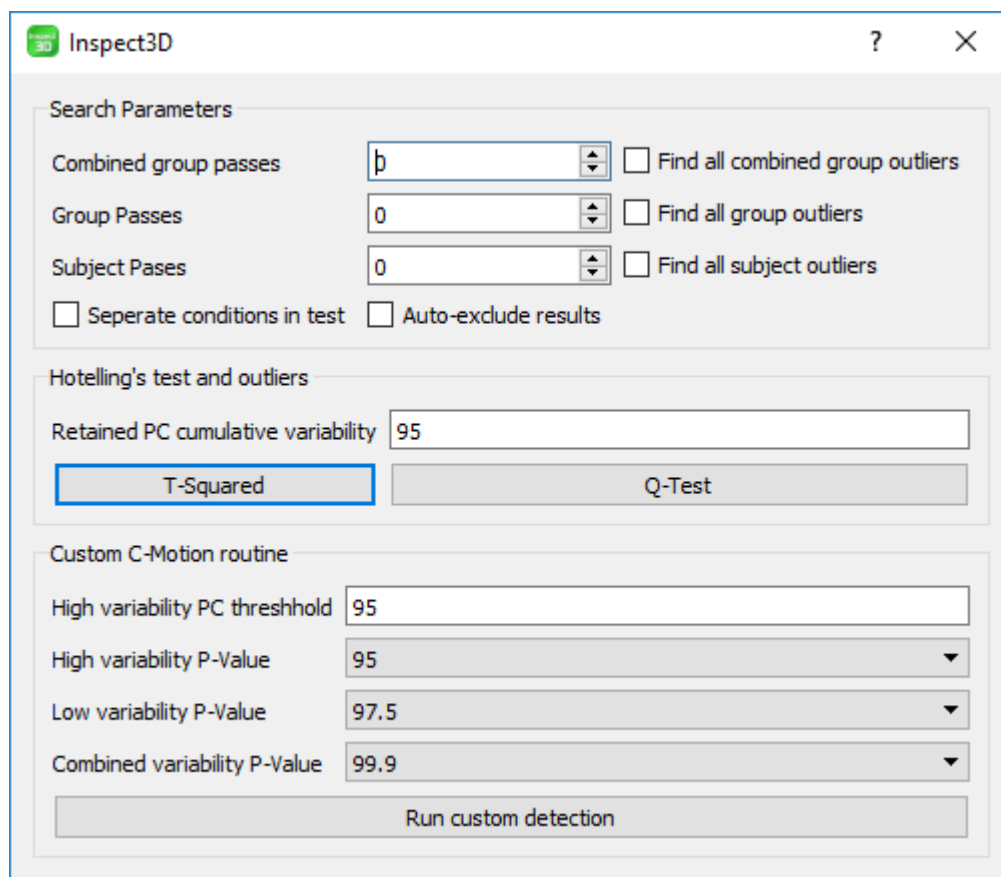


# Run QA Using PCA



The image shows a software dialog box titled "Inspect3D" with a green icon. It contains three main sections: "Search Parameters", "Hotelling's test and outliers", and "Custom C-Motion routine".

**Search Parameters**

|                                                      |    |                                                           |
|------------------------------------------------------|----|-----------------------------------------------------------|
| Combined group passes                                | 10 | <input type="checkbox"/> Find all combined group outliers |
| Group Passes                                         | 0  | <input type="checkbox"/> Find all group outliers          |
| Subject Passes                                       | 0  | <input type="checkbox"/> Find all subject outliers        |
| <input type="checkbox"/> Separate conditions in test |    | <input type="checkbox"/> Auto-exclude results             |

**Hotelling's test and outliers**

Retained PC cumulative variability: 95

**Custom C-Motion routine**

|                               |      |
|-------------------------------|------|
| High variability PC threshold | 95   |
| High variability P-Value      | 95   |
| Low variability P-Value       | 97.5 |
| Combined variability P-Value  | 99.9 |

The Run QA using [PCA](#) button allows the user to open the dialogue box that controls these functions.

The Run Quality Assurance Using [Principal Component Analysis](#) dialogue is divided into three sections:

- Search Parameters
- Hotelling's test and outliers
- Custom C-Motion routine

The quality assurance using PCA function allows the user to automatically search the data and identify traces that are outside the norm.

The search for outliers can be done by Combined Groups, Group, and Subjects.

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Last update: 2024/12/18 14:43

