

Test Group Summary Report

C36 Volatile Organic Compounds in Soil

June 2025 PT Round

Issued: August 25, 2025

Table of Contents

1.0	The Proficiency Testing Report	1
2.0	Definitions	1
3.0	Scoring System	1
3.1	Homogeneity and Stability Assessment	2
3.2	The z score	2
3.2	Composite (PT) Score	2
3.3	Identifying Bias	2
3.4	Deviations from Evaluation Procedure	3
4.0	PT Round Specific Data Summary	3
4.1	Summary statistics	3
4.2	z - Score Plots	3
4.3	kernel density plots	3
4.4	stability and homogeneity Plots	3
4.5	Box-and-Whisker Plots	3
4.6	Historic Comparison Plot	3
	Annex A Summary by Analyte	4

1.0 The Proficiency Testing Report

The Proficiency Testing Report consists of two parts.

- *PTC Proficiency Testing Report*: This report contains participant-specific data and other confidential information. This report is emailed to participants at the end of the PT round.
- *Test Group Summary Report*: A Test Group Summary Report is created for each quantified test group at the end of the PT round. These reports contain more detailed information on the round than is found in the participant-specific PTC Proficiency Testing Report. These reports do not contain any confidential information and are made available on the PTC web site.

2.0 Definitions

The PTC Proficiency Testing Reports contain some terms that new participants may not be familiar with:

<i>PT Code</i> :	The PT Code is unique to each analyte that a participant is registered for.
<i>Lab Info</i> :	If a participant is accredited by CALA, this three-digit number in the Laboratory Information is the appendix number that the accredited method is assigned to.
<i>N</i> :	The number of participants results that were used to calculate the summary statistics. This excludes qualified data (e.g., <) and any results that were flagged as outliers.
<i>Assigned Value</i> :	The Assigned Value is the Robust Mean of the reported results, outliers excluded. This is often referred to as the “target” value.
<i>Reported Value</i> :	The result reported by the participant.
<i>SDPTA</i> :	The Standard Deviation of Proficiency Testing Assessment; this value is used to determine the acceptance limits for the PT evaluation. The calculations examine the Robust Standard Deviation (from consensus STD) and Regression Standard Deviation (STD from historical studies or TNI limits); and, if any, Homogeneity and Stability flags to determine the SDPTA (whichever is higher).
<i>z-Score</i> :	A value assigned to each reported result that is a measure of the degree to which it deviates from the Assigned Value.
<i>PT Score</i> :	The composite score of the four results reported for each analyte. It is normalized to a score out of 100.
<i>Bias</i> :	A flag assigned if bias is detected using the re-scaled z-score procedure.
<i>U</i> :	The Uncertainty of the assigned value.

3.0 Scoring System

Participant performance is evaluated for each proficiency testing sample by a quantitative method that is consistent with ISO/IEC 17043 - *Conformity assessment- General requirements for the competence of proficiency testing providers*, the *International Harmonized Protocol for Proficiency Testing of (Chemical) Analytical Laboratories* (2006), and ISO 13528 *Statistical methods for use in proficiency testing by interlaboratory comparison*.

The following is a brief description of the evaluation procedure used by PTC. The detailed evaluation procedure is described in PROC09 – PT Evaluation *Procedure*, which is available on the PTC website www.PTCanada.org).

3.1 HOMOGENEITY AND STABILITY ASSESSMENT

Homogeneity and stability are assessed using participant data. Regression analysis is performed on reported result against order of sample production (Homogeneity) and reported result against date of analysis (Stability). If the slope is significantly different than zero for either then the Standard Deviation of Proficiency Assessment (s) is increased to minimize the impact.

3.2 THE Z SCORE

A "z-score" is calculated for each reported result as follows:

$$z - Score = \frac{(x - \bar{X})}{SDPA} \quad \text{where: } \begin{array}{l} x = \text{participant result;} \\ \bar{X} = \text{the Assigned Value;} \\ SDPA = \text{the Standard Deviation for Proficiency Assessment.} \end{array}$$

The assigned value $\bar{X}$ is generally estimated from the inter-laboratory Robust mean after outliers due to obvious gross errors (e.g., reported in wrong units) have been removed.

The Standard Deviation for Proficiency Assessment, s, is determined as follows:

- The inter-laboratory Robust standard deviation ($Stdev_{rob}$) is calculated using reported results, obvious outliers removed;
- The regression equation standard deviation ($Stdev_{reg}$) is estimated from regression equations derived from previous studies (see PROC11- *PT Regression Equations* for details);
- The SDPA is the higher of $Stdev_{rob}$ and $Stdev_{reg}$;
- When a laboratory reports its detection limit, s will be estimated using a pooled variance procedure that uses both the inter-laboratory data and the reported detection limit.

3.2 COMPOSITE (PT) SCORE

Since each PT round involves four or two separate samples of distinct concentration for each test, it is necessary to calculate a composite PT score for each test to determine overall performance. The composite score is calculated by first averaging the absolute z-scores for the four results and then calculating a final score as $100 + (-15 \times \text{avg } |z|)$.

Acceptable PT Scores equal or exceed 70.

3.3 IDENTIFYING BIAS

The proficiency testing report provides flags for bias. These are determined using the re-scaled z-score procedure.

$$RSZ = \frac{\sum z}{\sqrt{N}} \quad \text{where } \begin{array}{l} z = \text{the z- score} \\ N = \text{the number of samples} \end{array}$$

Flags are assigned for each test group/parameter combination as follows:

$$RSZ \geq -2 \text{ and } \leq 2 \text{ no flag assigned}$$

RSZ > 2	H (High)
RSZ > 3	VH (Very High)
RSZ < -2	L (LOW)
RSZ < -3	VL (Very Low)

3.4 DEVIATIONS FROM EVALUATION PROCEDURE

Other than changes to the Standard Deviation of Proficiency Assessment due to homogeneity or stability flags, any deviation from the published evaluation procedure is described on the cover page(s) of the final *PTC Proficiency Testing Report*.

4.0 PT Round Specific Data Summary

The following pages provide more detailed information about the PT round indicated in the cover page of this report than is found in the participant-specific PTC Proficiency Testing Report. The graphical representations and the statistical summaries are based upon the data after outliers have been removed.

4.1 SUMMARY STATISTICS

In addition to some of the statistics found in the customer reports, this table includes additional summary statistics such as Median, different measures of dispersion, the number of outliers removed, the number of results in the Questionable range ($|z|$ between 2 and 3) and the Unacceptable range ($z > 3$), and whether a data set was flagged for Homogeneity or Stability. This section also includes sorted scatter plots of the data for each sample.

4.2 z - SCORE PLOTS

The z-scores for each sample are ranked in increasing order and plotted. When the data is normally distributed, the plot should show a slight sigmoidal curve, with an equal number of points above zero as below. Each bar in these plots is colour-coded to indicate the analytical method used by the participant.

4.3 KERNEL DENSITY PLOTS

Kernel density plots are generated for each data set. These plots are a graphical way to represent the overall data distribution and are used to visualize possible deviations from normality and unimodality.

4.4 STABILITY AND HOMOGENEITY PLOTS

Plots of reported result against analysis date, and reported result against order of bottling are displayed, along with the regression line. These regression analyses are used to determine if the SDPA should be adjusted due to homogeneity or stability.

4.5 BOX-AND-WHISKER PLOTS

Box-and-Whisker plots are another way to display the distribution of the data. The box denotes the first and third quartile and the whiskers are the 5th and 95th percentile.

4.6 HISTORIC COMPARISON PLOT

The Historic Comparison Plot is a plot of robust mean against robust standard deviation for the previous ten PT rounds as well as the current PT round. This plot can be used to identify possible changes in the sample formulation.

1,1,1-Trichloroethane

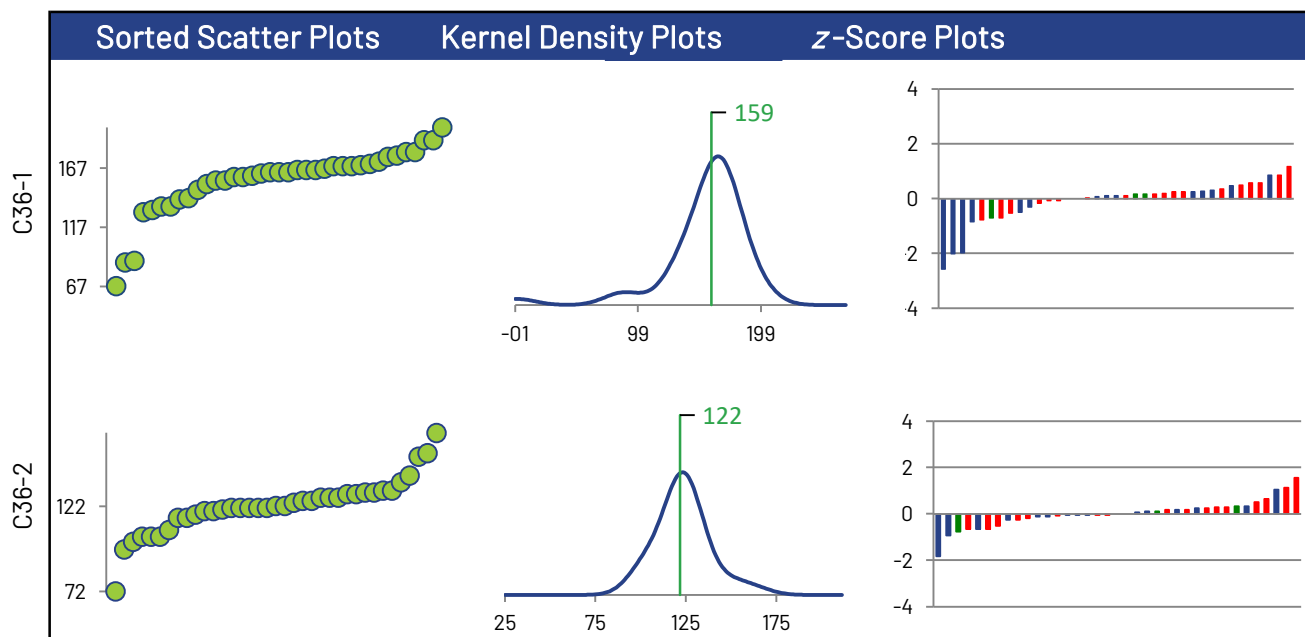
Summary Statistics

Statistic	C36-1	C36-2	C36-3	C36-4
No. of results used for summary statistics	37	37	37	37
Median µg/g	163	122	9.28	55.3
Robust Mean µg/g	159	122	9.29	54.9
Uncertainty of the Assigned Value µg/g	4.21	2.59	0.228	0.986
Robust Standard Deviation µg/g	20.5	12.6	1.11	4.80
Regression Standard Deviation µg/g	35.9	27.5	2.09	12.4
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) µg/g	35.9	27.5	2.09	12.4
Flagged Outliers	0	0	0	0
$ z > 3.0$	0	0	0	0
$2 < z < 3$	2	0	0	1
Failure Rate %*	0.0			

Methods Used

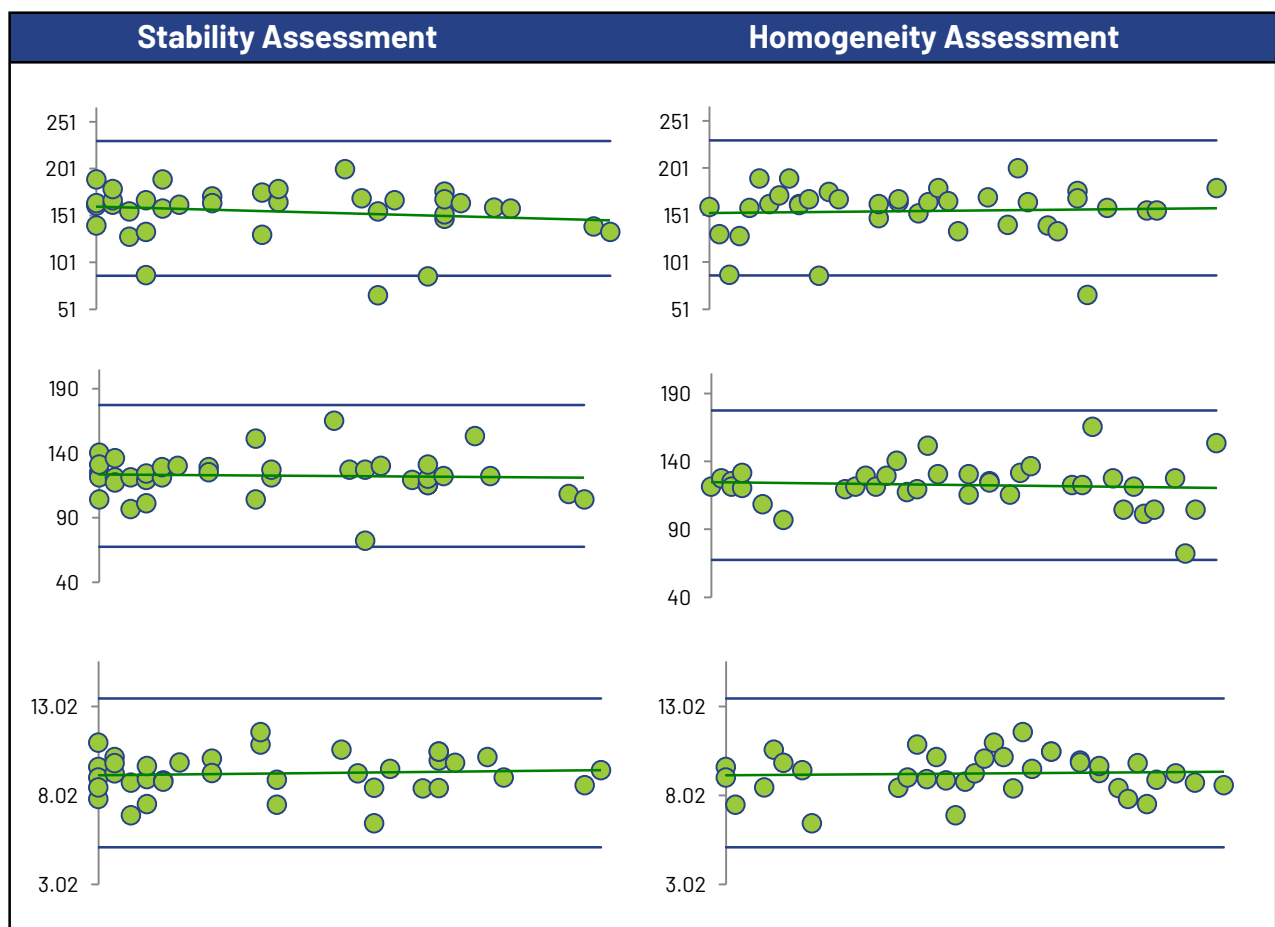
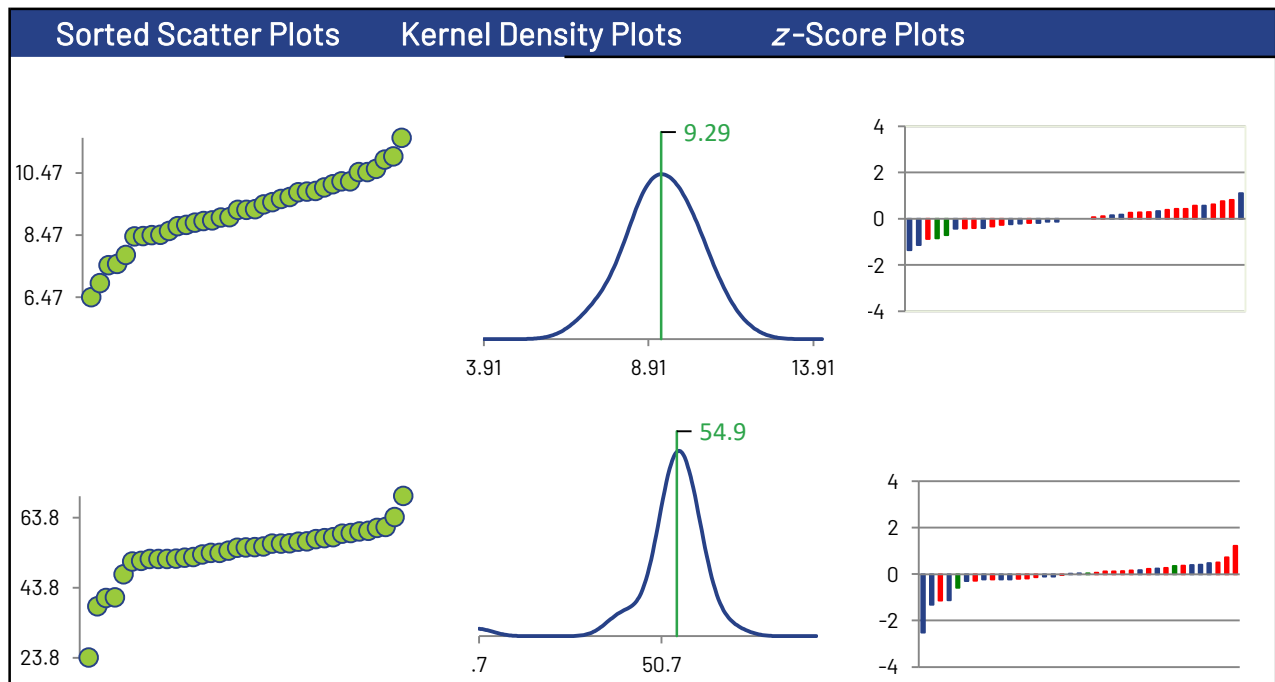
Method	C36-1	C36-2	C36-3	C36-4
GC/MS - HEADSPACE (Blue)	16	16	16	16
GC/MS - PURGE AND TRAP (Red)	18	18	18	18
GC/MS (Green)	3	3	3	3

All summary stats, except the failure rate, and the plots below are based on the data excluding any flagged outliers

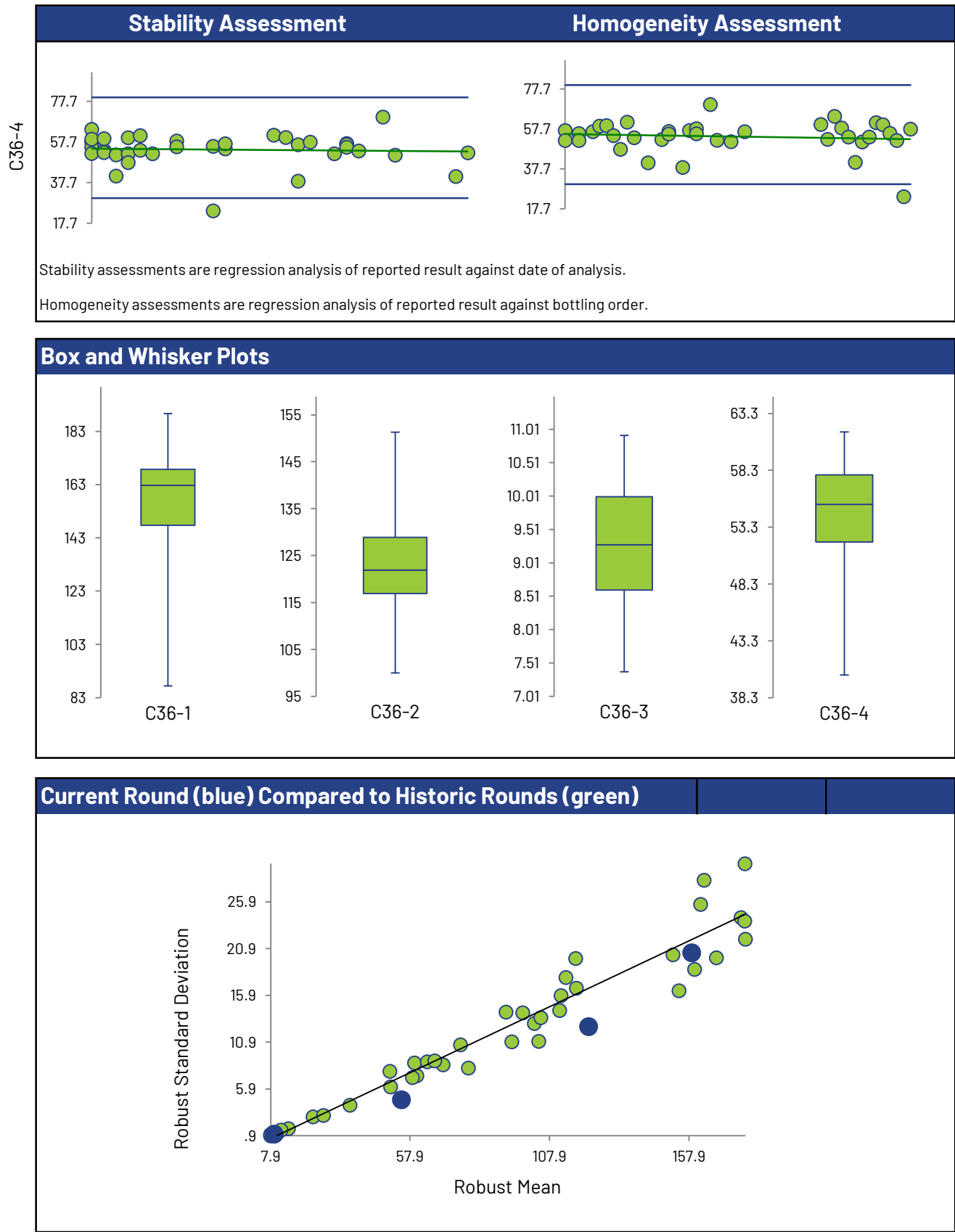


* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

1,1,1-Trichloroethane



1,1,1-Trichloroethane



1,1,2,2-Tetrachloroethane

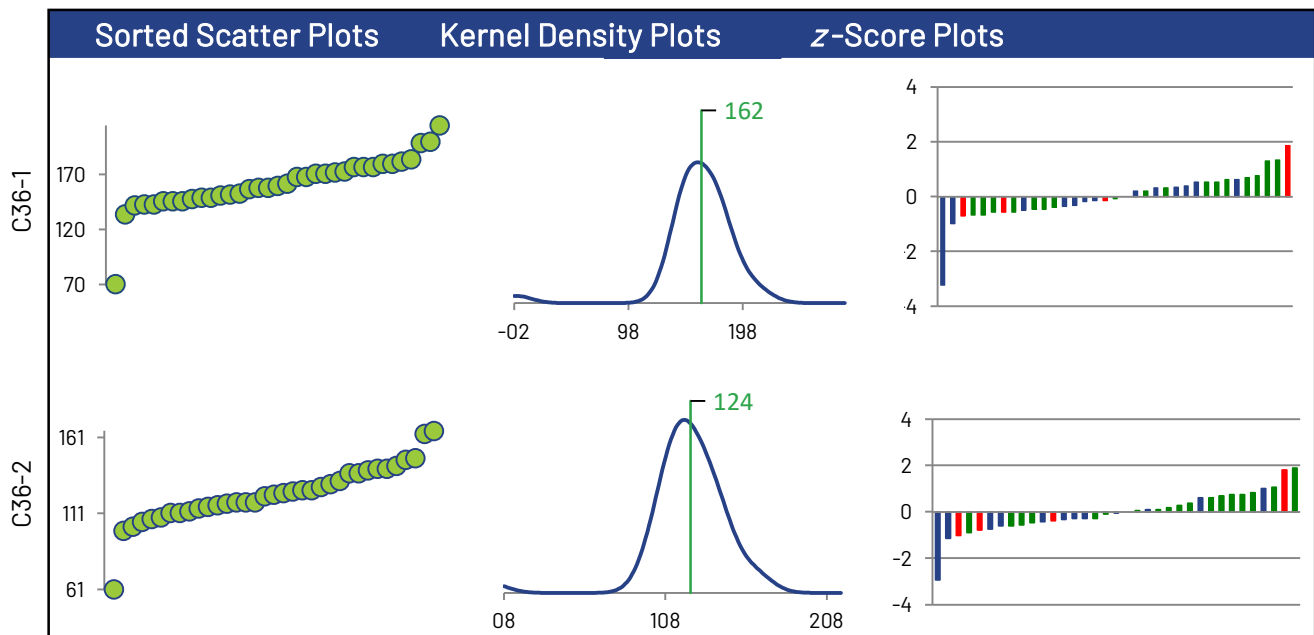
Summary Statistics

Statistic	C36-1	C36-2	C36-3	C36-4
No. of results used for summary statistics	35	35	35	35
Median µg/g	160	123	9.81	55.8
Robust Mean µg/g	162	124	9.61	56.1
Uncertainty of the Assigned Value µg/g	4.01	3.51	0.294	1.61
Robust Standard Deviation µg/g	19.0	16.6	1.39	7.62
Regression Standard Deviation µg/g	28.4	21.7	1.68	9.81
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) µg/g	28.4	21.7	1.68	9.81
Flagged Outliers	0	0	0	0
$ z > 3.0$	1	0	0	0
$2 < z < 3$	0	1	3	1
Failure Rate %*	2.9			

Methods Used

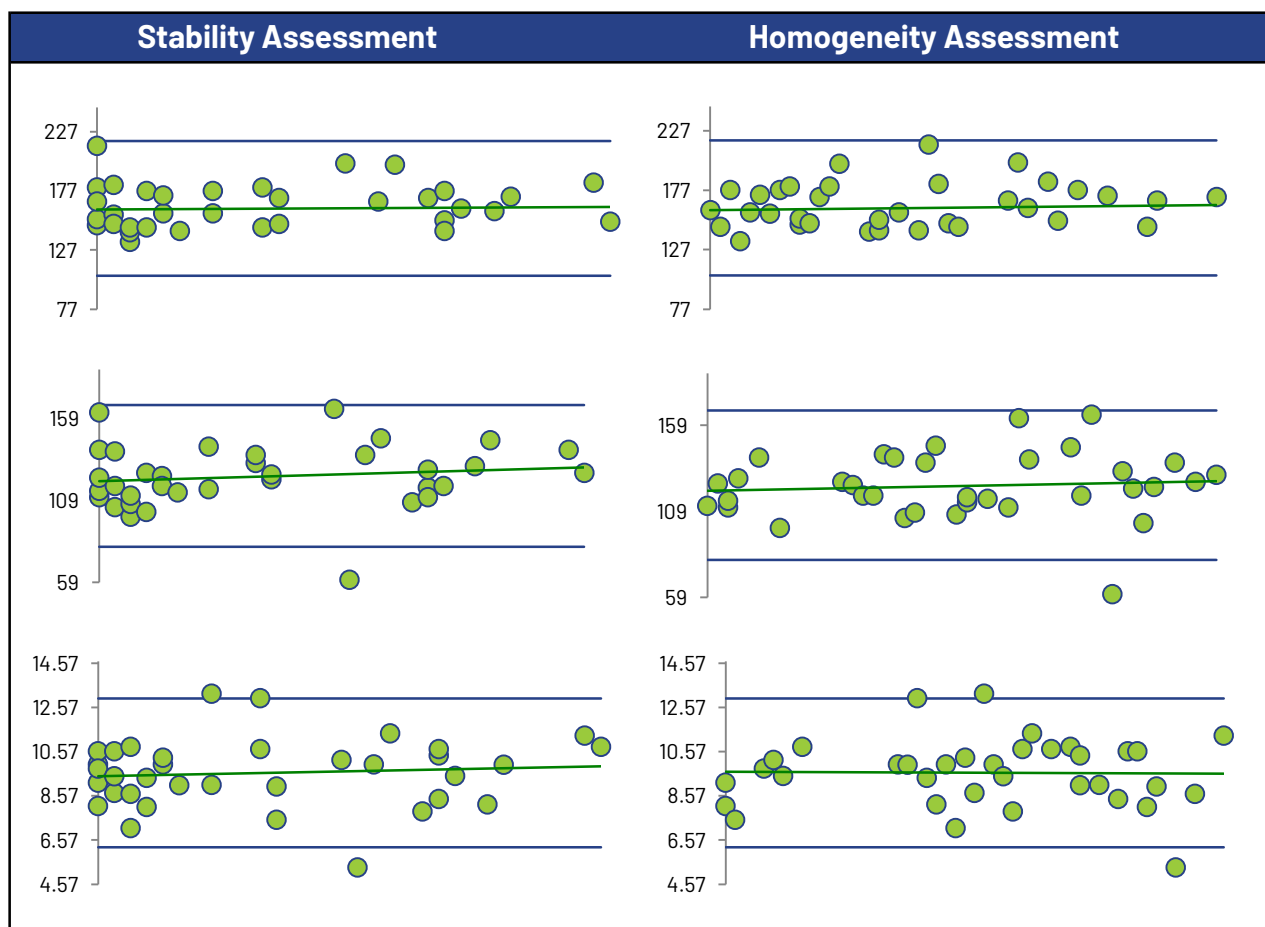
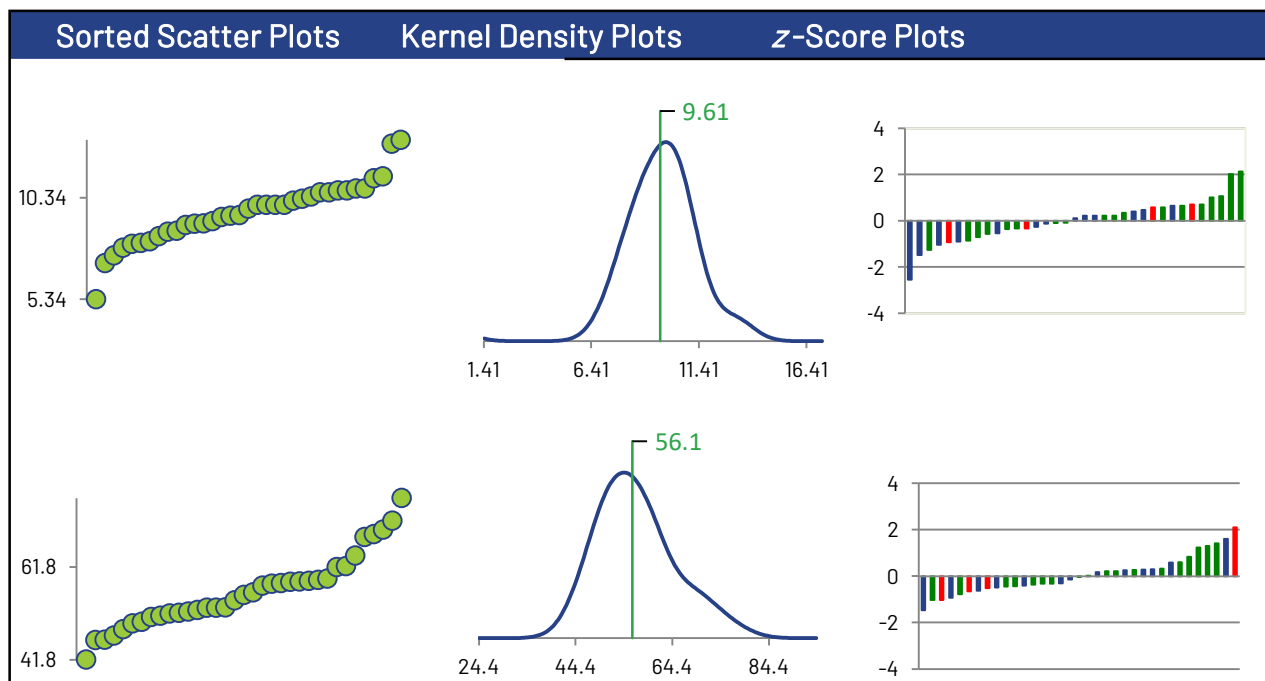
Method	C36-1	C36-2	C36-3	C36-4
GC/MS - HEADSPACE (Blue)	13	13	13	13
GC/MS (Red)	4	4	4	4
GC/MS - PURGE AND TRAP (Green)	18	18	18	18

All summary stats, except the failure rate, and the plots below are based on the data excluding any flagged outliers

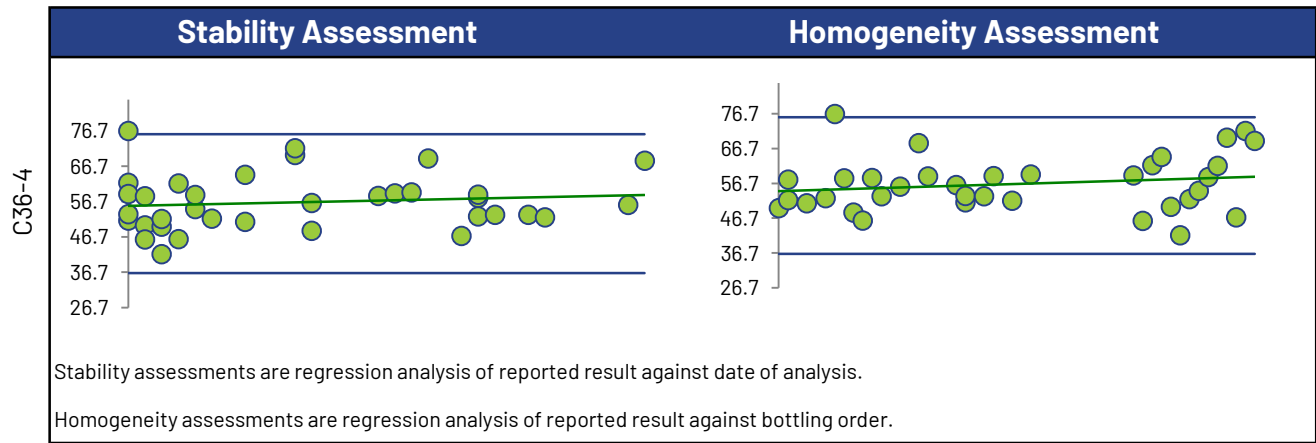


* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

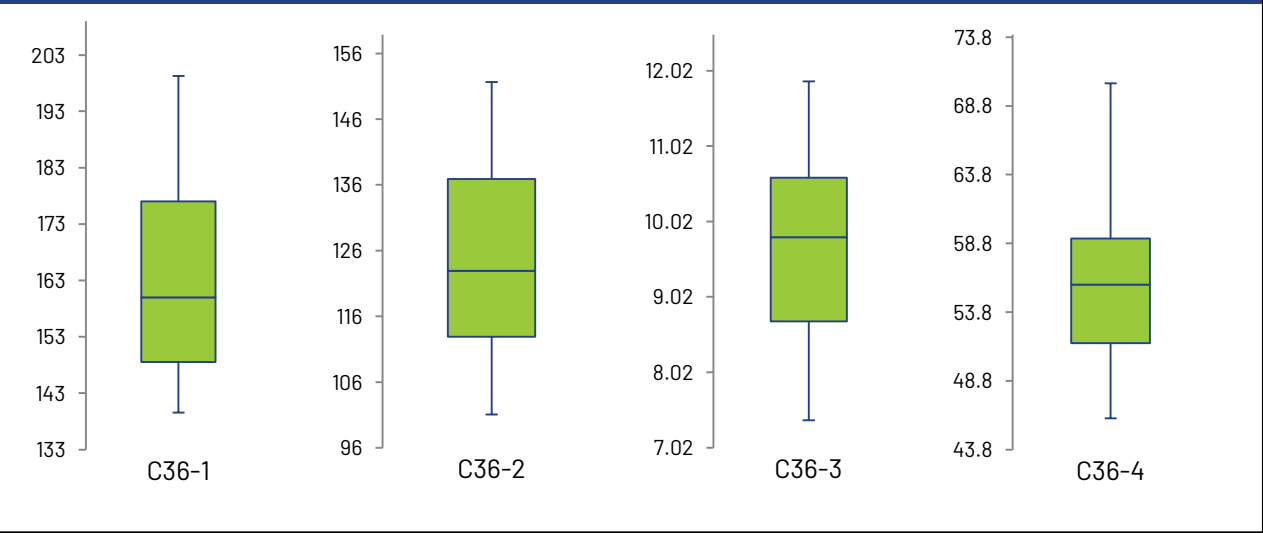
1,1,2,2-Tetrachloroethane



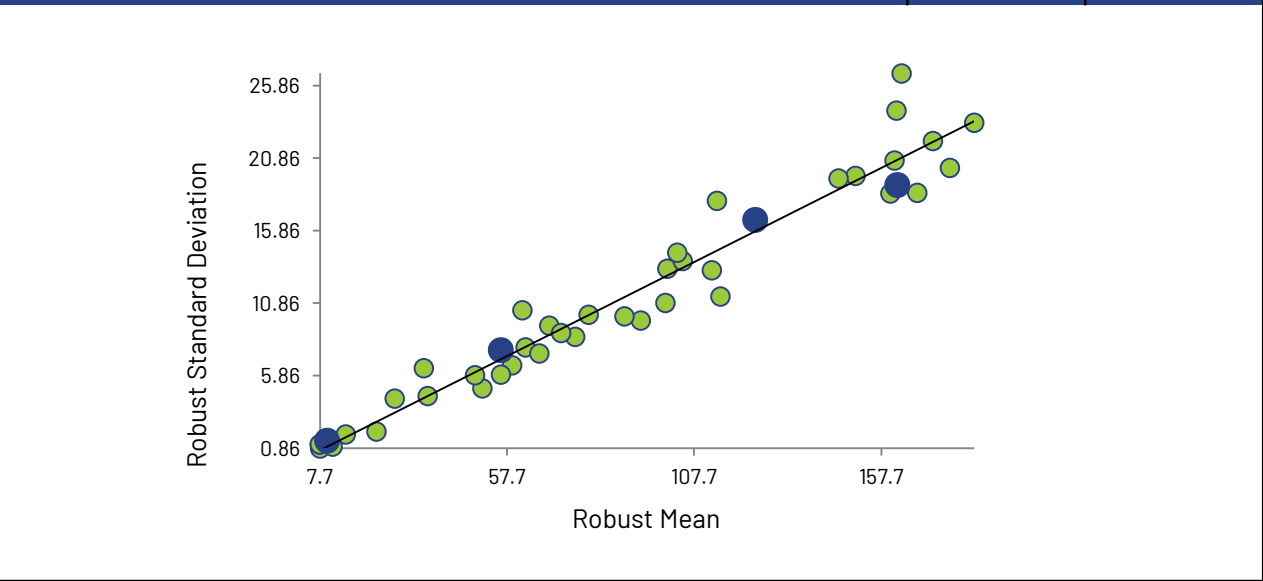
1,1,2,2-Tetrachloroethane



Box and Whisker Plots



Current Round (blue) Compared to Historic Rounds (green)



1,1,2-Trichloroethane

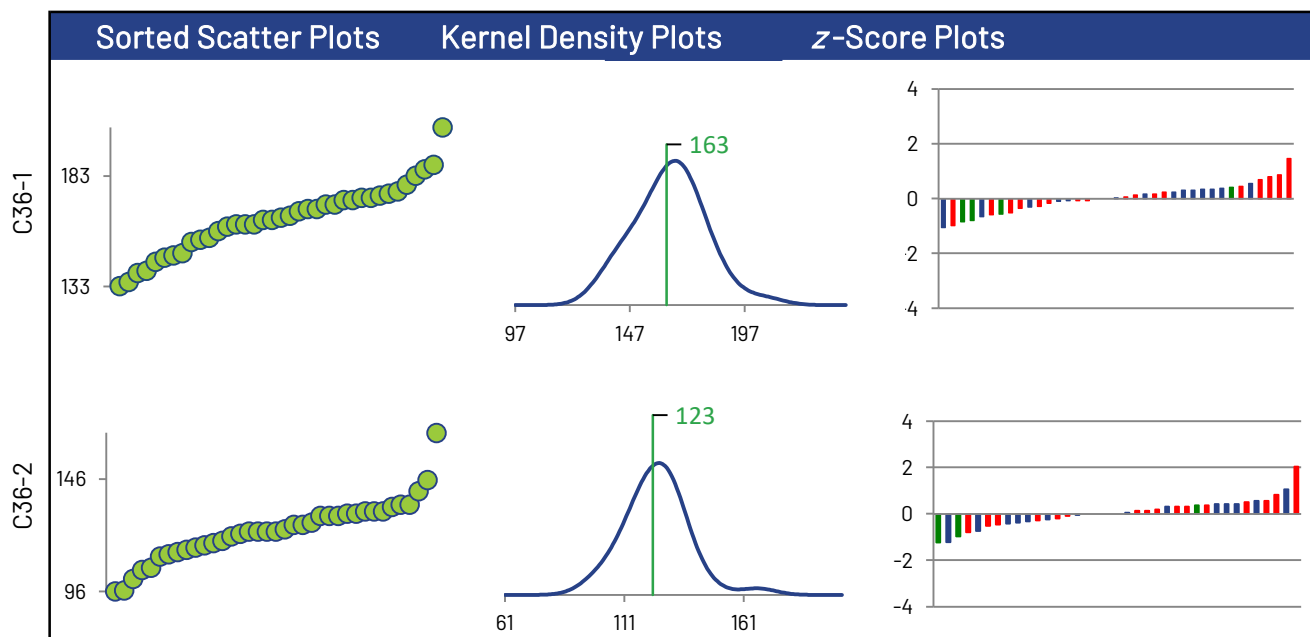
Summary Statistics

Statistic	C36-1	C36-2	C36-3	C36-4
No. of results used for summary statistics	37	37	37	37
Median µg/g	164	123	10.7	54.4
Robust Mean µg/g	163	123	10.5	53.8
Uncertainty of the Assigned Value µg/g	3.21	2.40	0.193	1.24
Robust Standard Deviation µg/g	15.6	11.7	0.938	6.03
Regression Standard Deviation µg/g	28.6	21.6	1.83	9.42
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) µg/g	28.6	21.6	1.83	9.42
Flagged Outliers	0	0	0	0
$ z > 3.0$	0	0	0	0
$2 < z < 3$	0	1	0	0
Failure Rate %*	0.0			

Methods Used

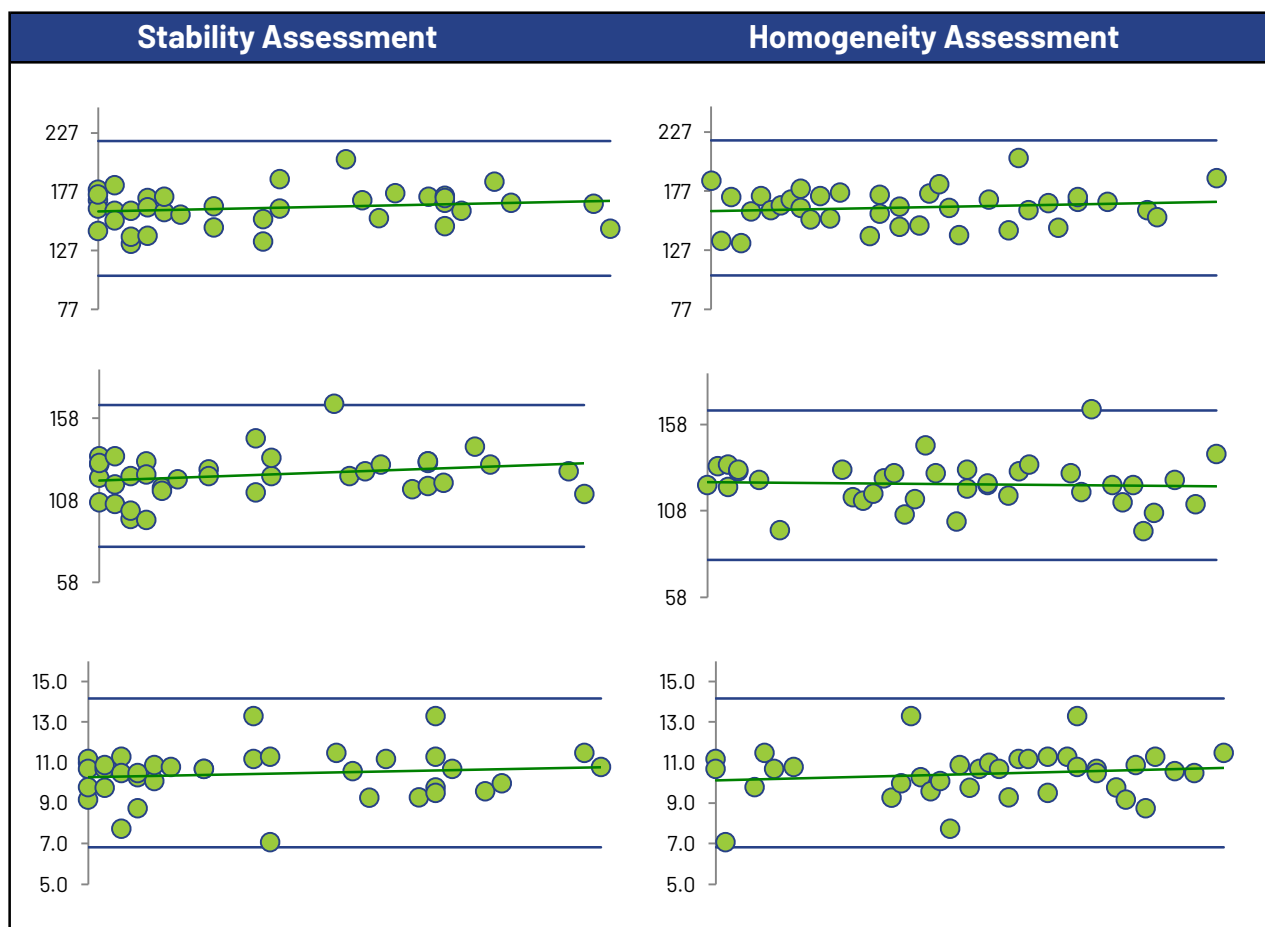
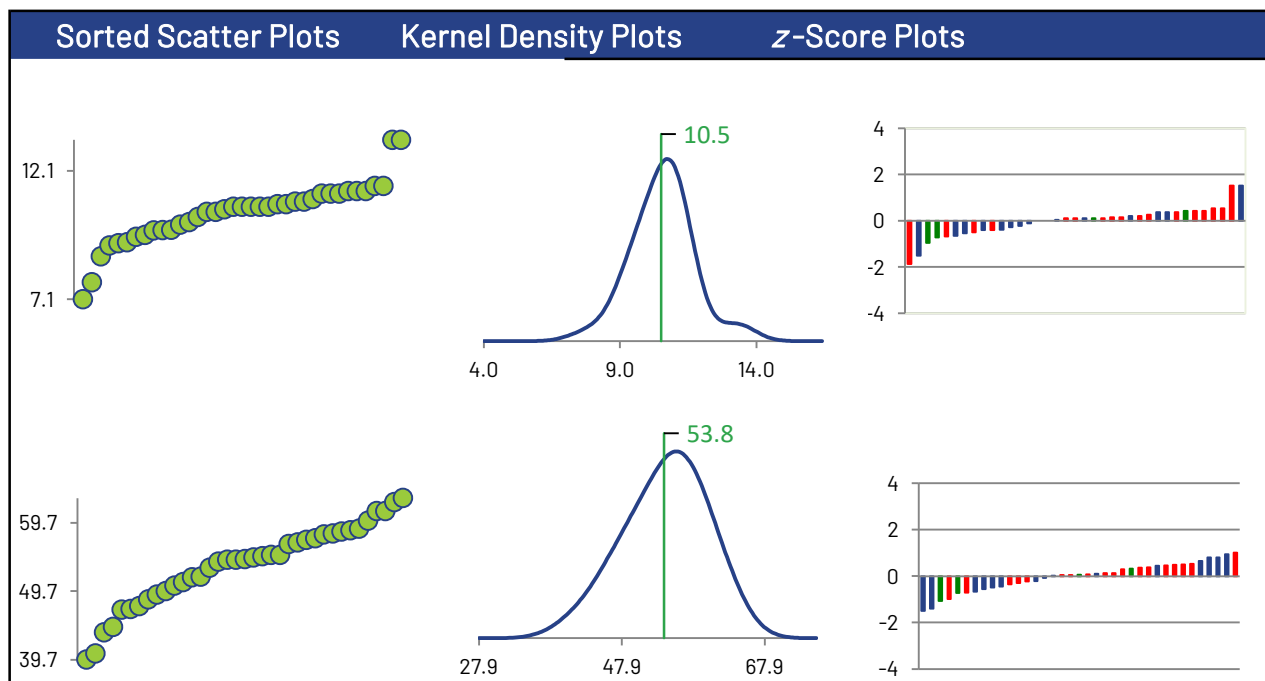
Method	C36-1	C36-2	C36-3	C36-4
GC/MS - HEADSPACE (Blue)	15	15	15	15
GC/MS - PURGE AND TRAP (Red)	18	18	18	18
GC/MS (Green)	4	4	4	4

All summary stats, except the failure rate, and the plots below are based on the data excluding any flagged outliers

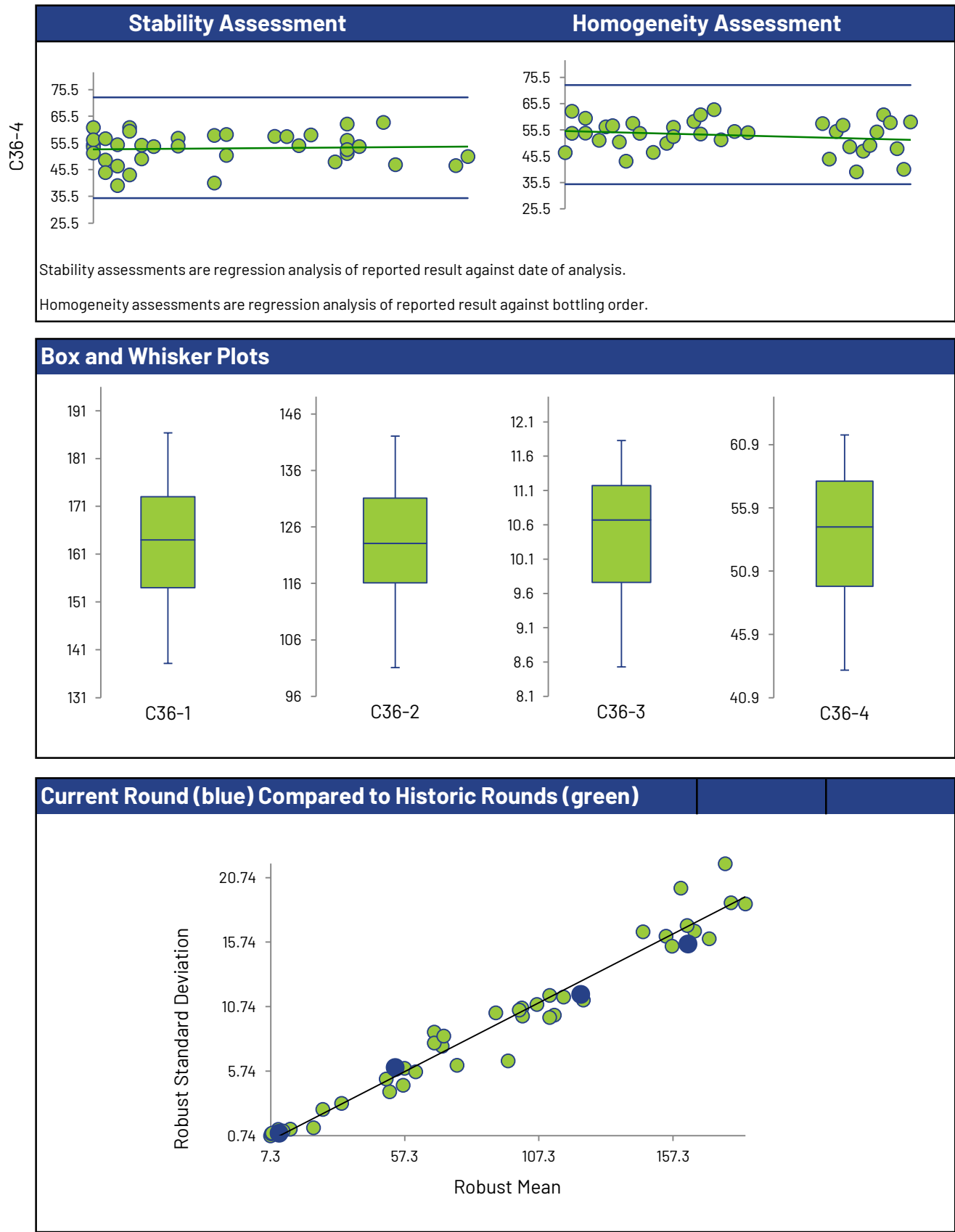


* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

1,1,2-Trichloroethane



1,1,2-Trichloroethane



1,1-Dichloroethane

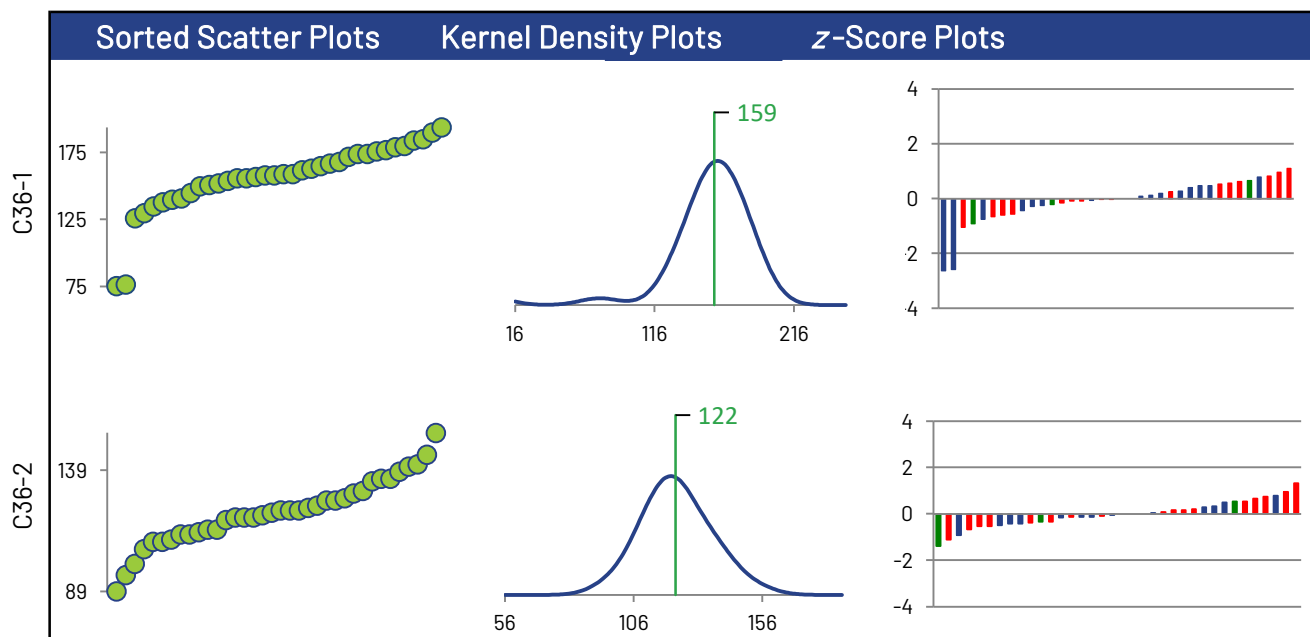
Summary Statistics

Statistic	C36-1	C36-2	C36-3	C36-4
No. of results used for summary statistics	36	36	36	36
Median µg/g	159	122	10.3	53.2
Robust Mean µg/g	159	122	10.2	52.3
Uncertainty of the Assigned Value µg/g	4.23	2.77	0.207	1.13
Robust Standard Deviation µg/g	20.3	13.3	0.992	5.43
Regression Standard Deviation µg/g	31.8	24.3	2.04	10.5
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) µg/g	31.8	24.3	2.04	10.5
Flagged Outliers	0	0	0	0
$ z > 3.0$	0	0	0	1
$2 < z < 3$	2	0	0	0
Failure Rate %*	0.0			

Methods Used

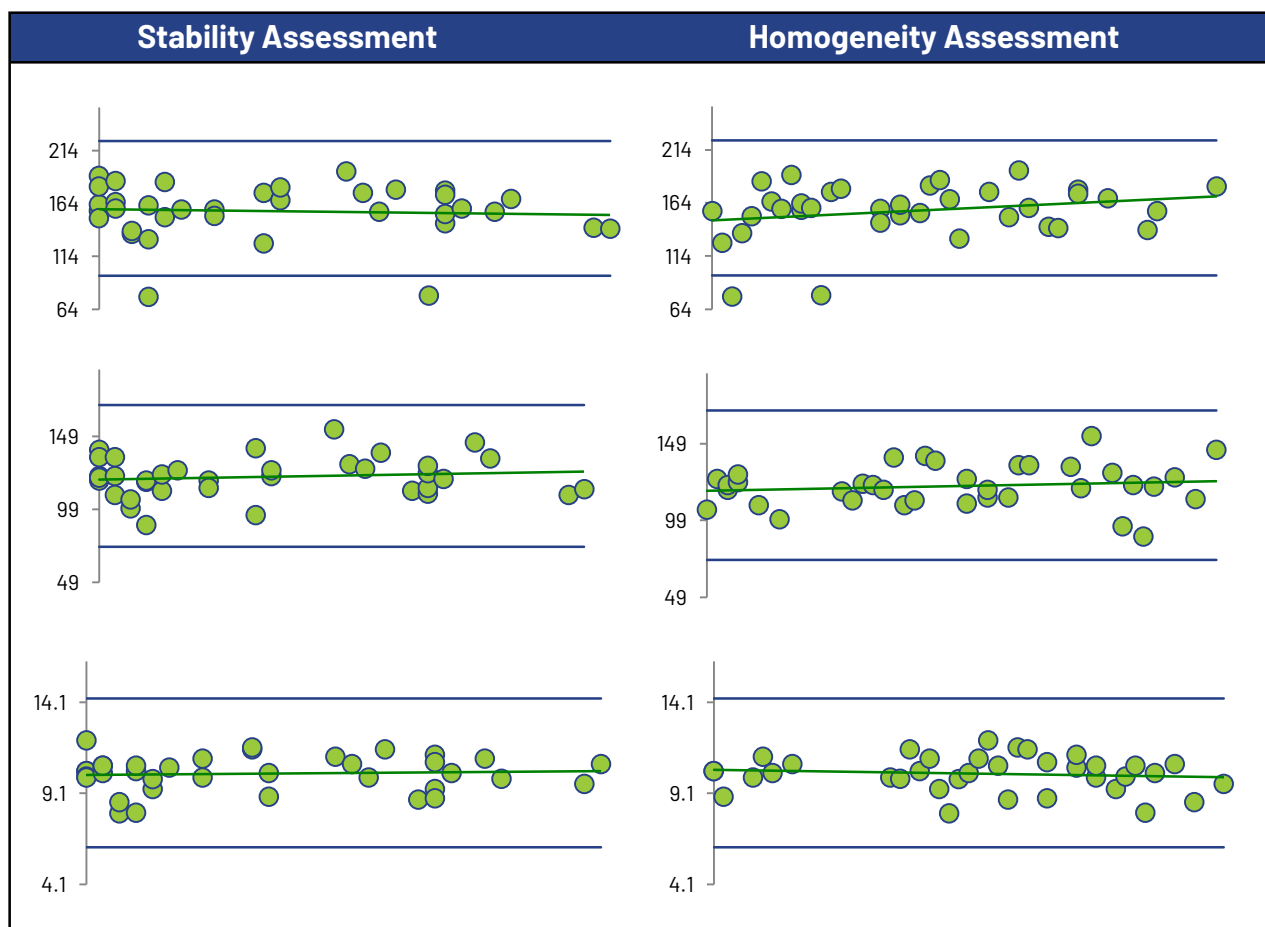
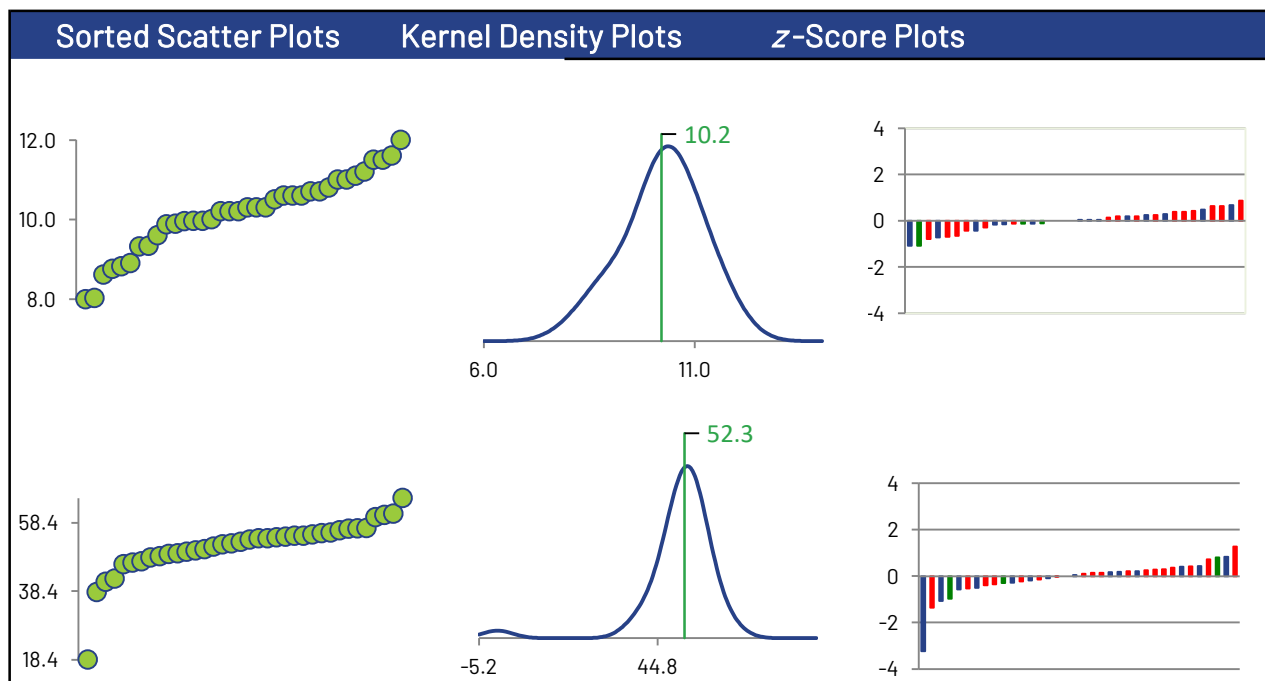
Method	C36-1	C36-2	C36-3	C36-4
GC/MS - HEADSPACE (Blue)	15	15	15	15
GC/MS - PURGE AND TRAP (Red)	18	18	18	18
GC/MS (Green)	3	3	3	3

All summary stats, except the failure rate, and the plots below are based on the data excluding any flagged outliers

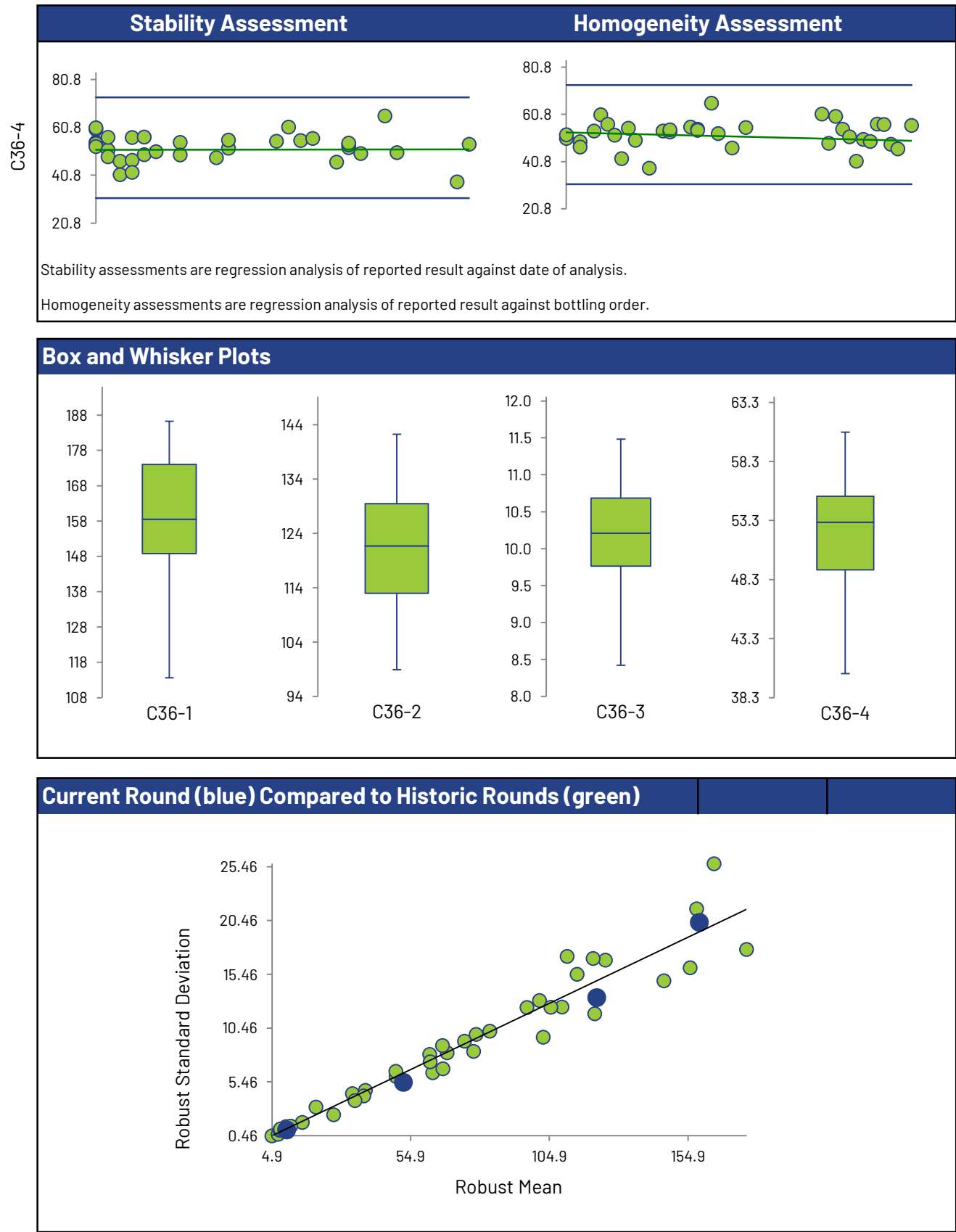


* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

1,1-Dichloroethane



1,1-Dichloroethane



1,1-dichloroethylene

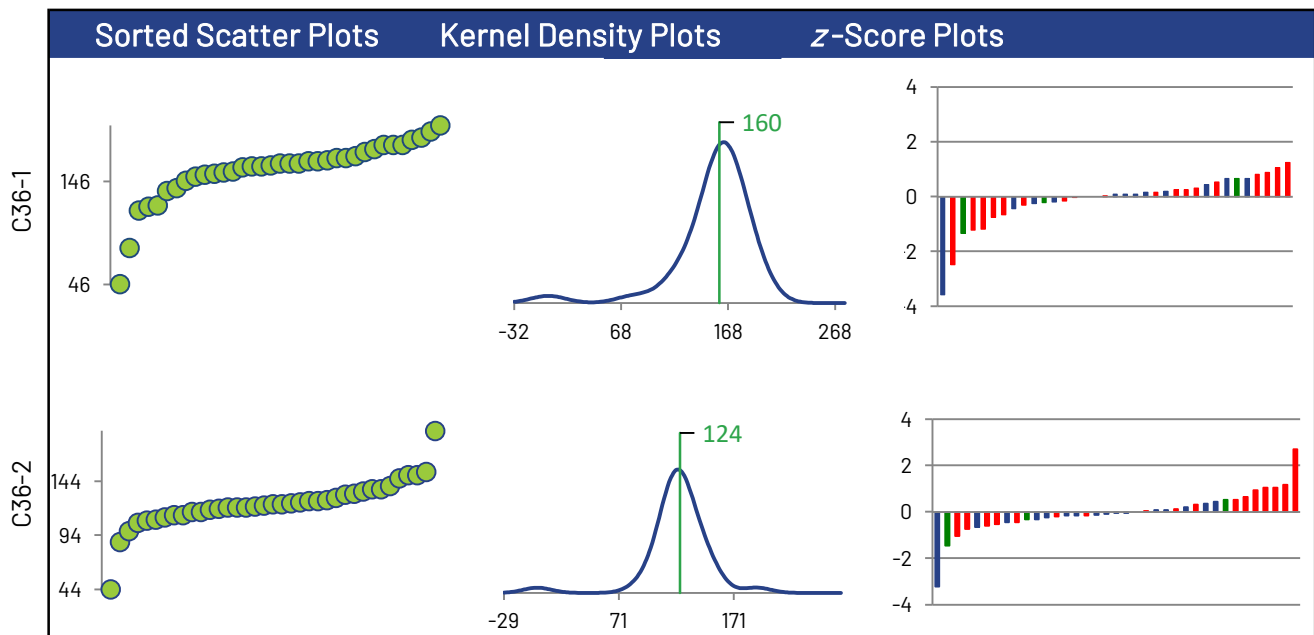
Summary Statistics

Statistic	C36-1	C36-2	C36-3	C36-4
No. of results used for summary statistics	35	37	37	36
Median µg/g	163	123	8.27	54.0
Robust Mean µg/g	160	124	8.23	53.4
Uncertainty of the Assigned Value µg/g	4.58	3.16	0.230	1.64
Robust Standard Deviation µg/g	21.7	15.4	1.12	7.87
Regression Standard Deviation µg/g	32.0	24.8	1.65	10.7
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) µg/g	32.0	24.8	1.65	10.7
Flagged Outliers	2	0	0	1
$ z > 3.0$	1	1	0	1
$2 < z < 3$	1	1	1	0
Failure Rate %*	2.7			

Methods Used

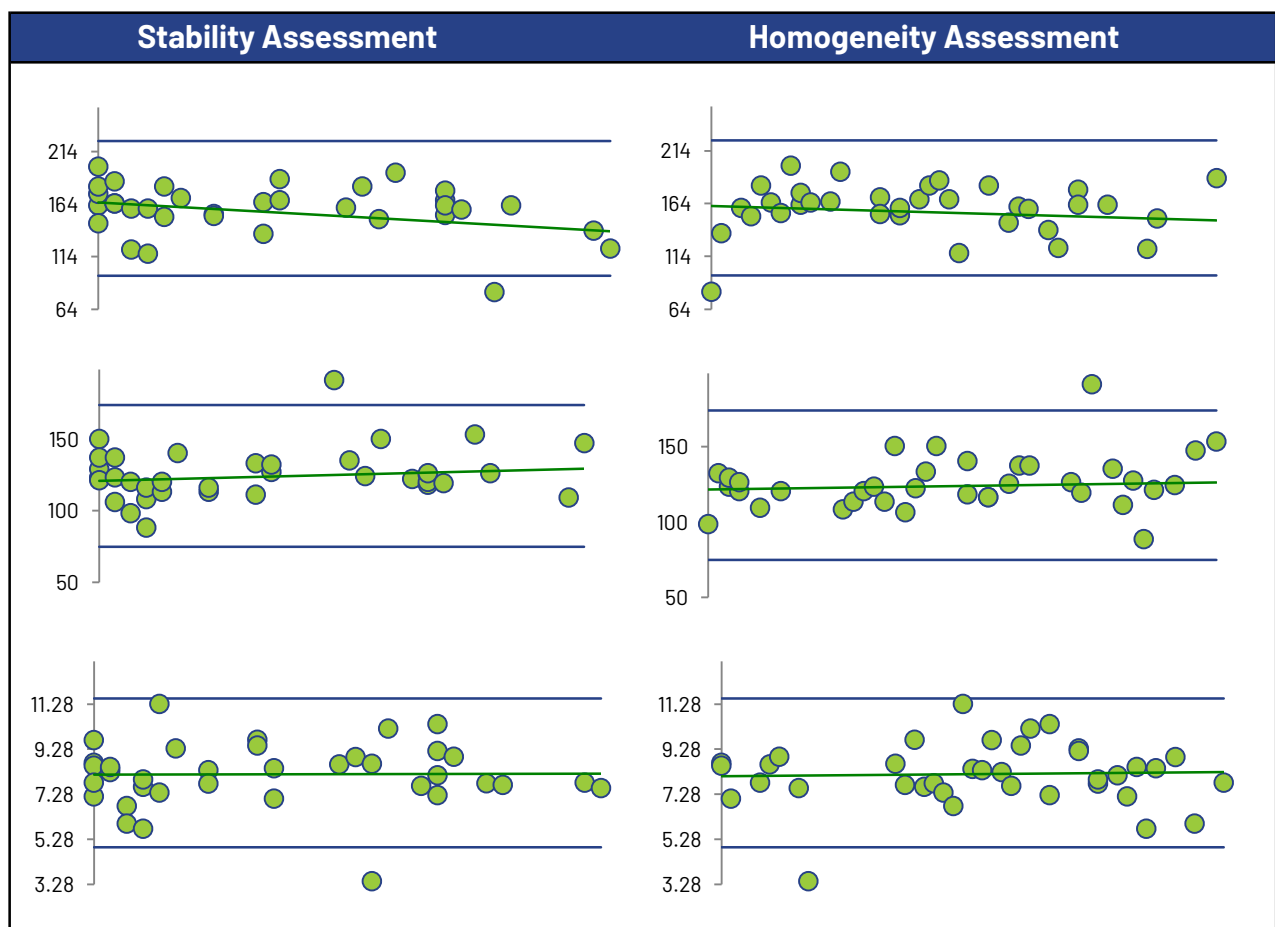
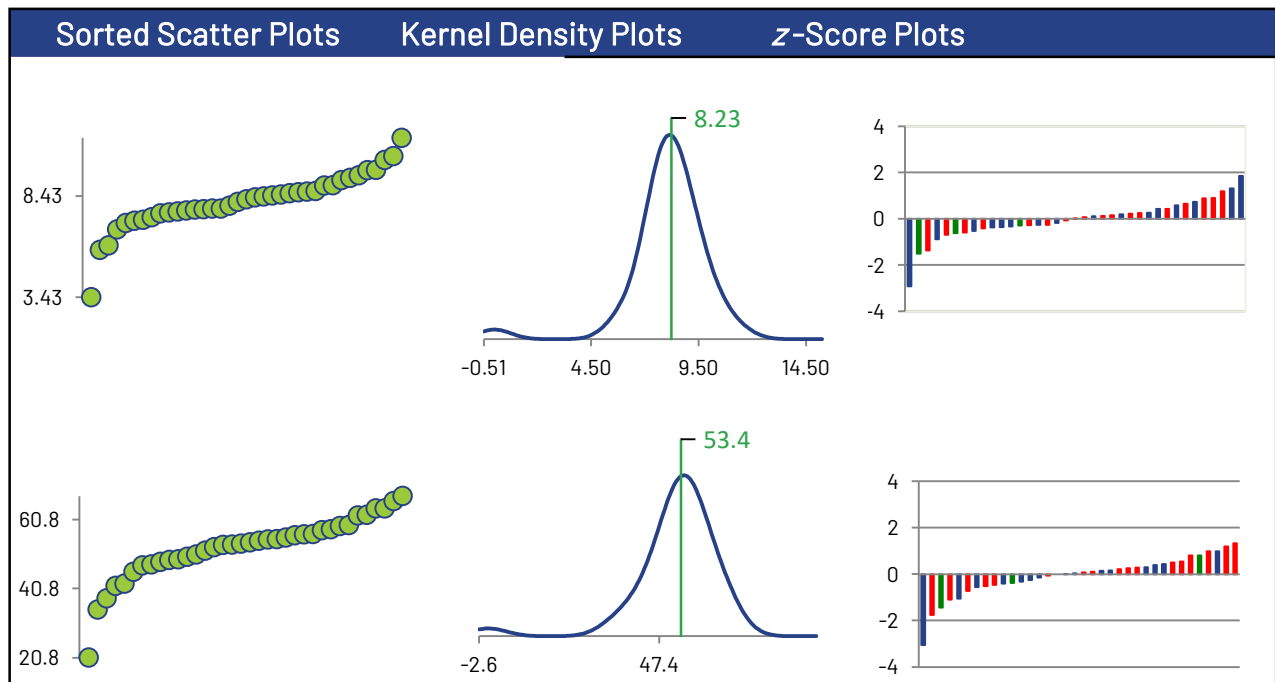
Method	C36-1	C36-2	C36-3	C36-4
GC/MS - HEADSPACE (Blue)	14	16	16	15
GC/MS - PURGE AND TRAP (Red)	18	18	18	18
GC/MS (Green)	3	3	3	3

All summary stats, except the failure rate, and the plots below are based on the data excluding any flagged outliers

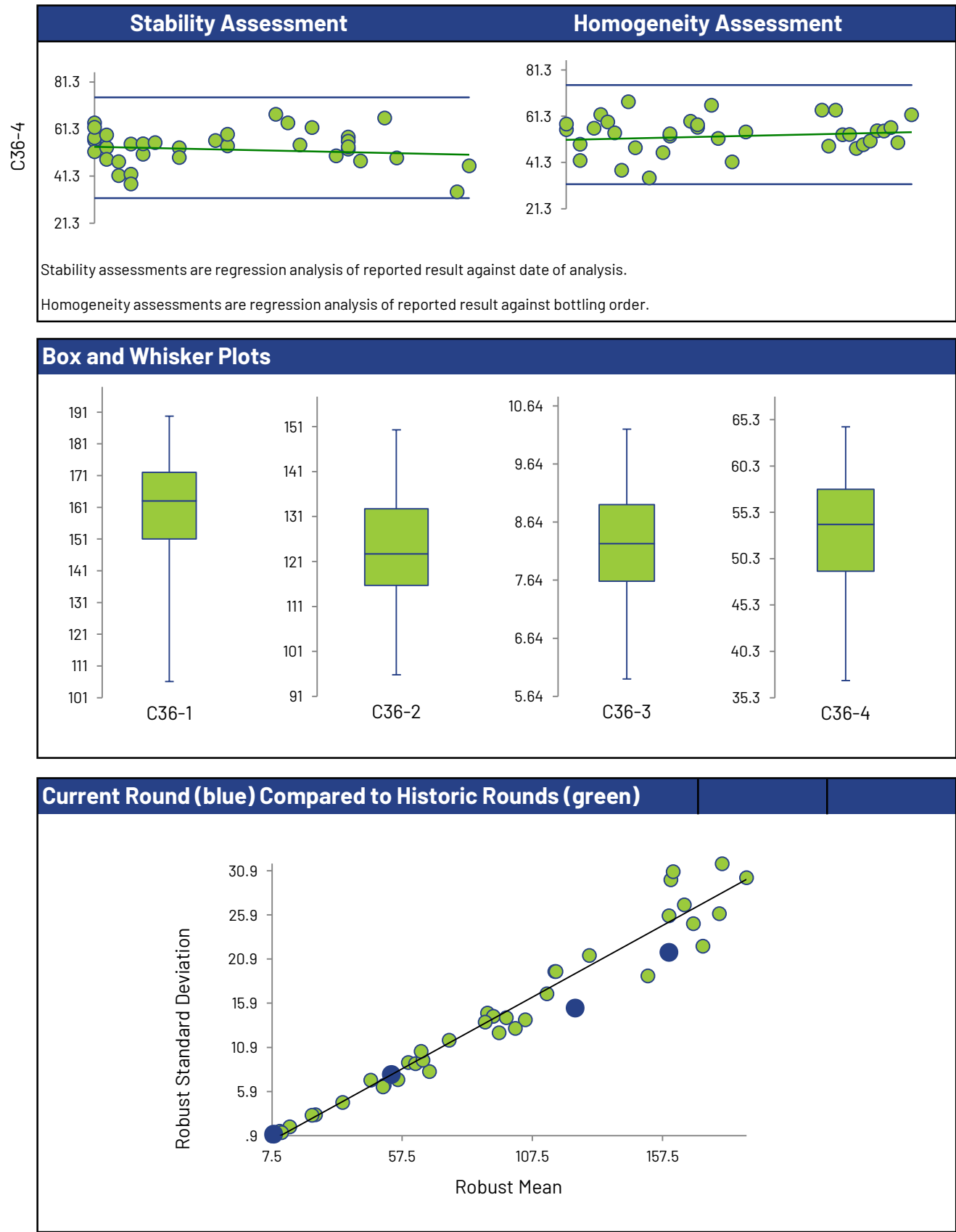


* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

1,1-dichloroethylene



1,1-dichloroethylene



1,2-Dichlorobenzene

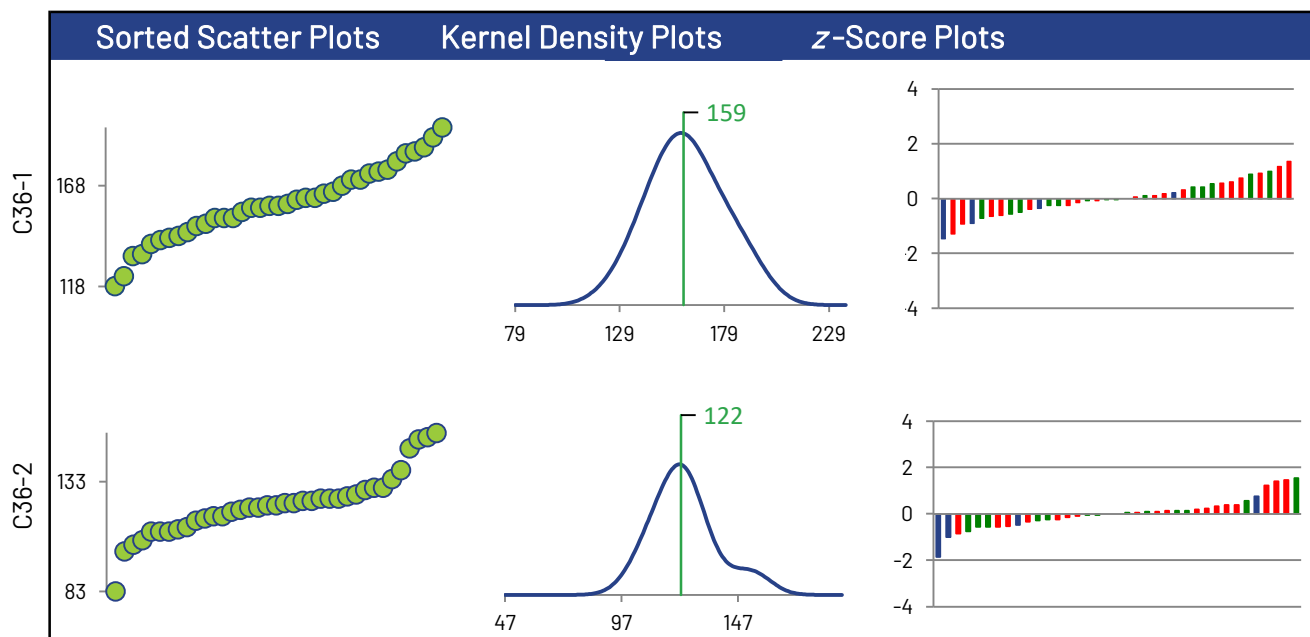
Summary Statistics

Statistic	C36-1	C36-2	C36-3	C36-4
No. of results used for summary statistics	37	37	37	37
Median µg/g	158	122	8.74	53.5
Robust Mean µg/g	159	122	8.86	53.4
Uncertainty of the Assigned Value µg/g	3.93	2.42	0.245	0.997
Robust Standard Deviation µg/g	19.1	11.8	1.19	4.85
Regression Standard Deviation µg/g	27.9	21.3	1.55	9.35
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) µg/g	27.9	21.3	1.55	9.35
Flagged Outliers	0	0	0	0
$ z > 3.0$	0	0	0	0
$2 < z < 3$	0	0	2	0
Failure Rate %*	0.0			

Methods Used

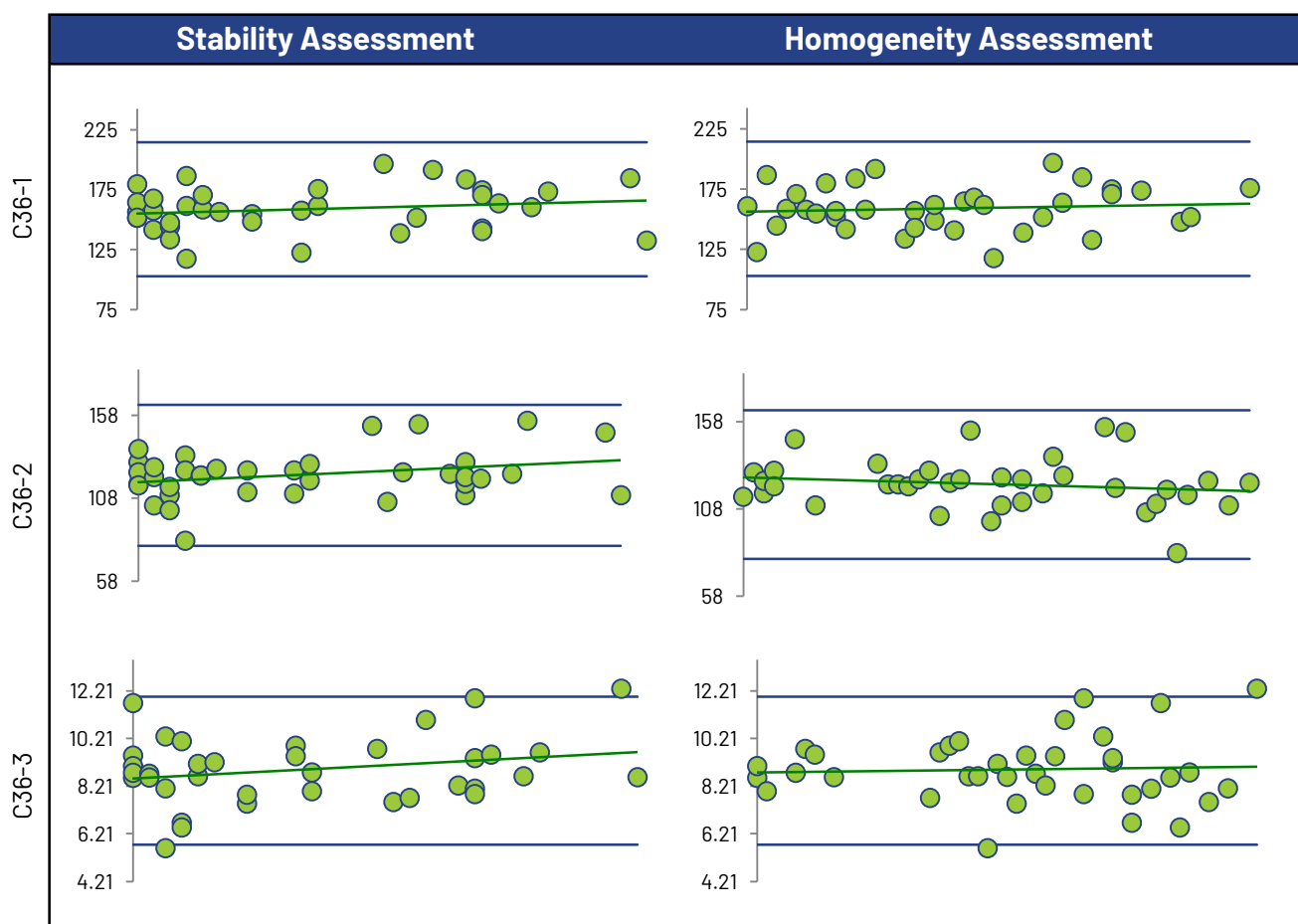
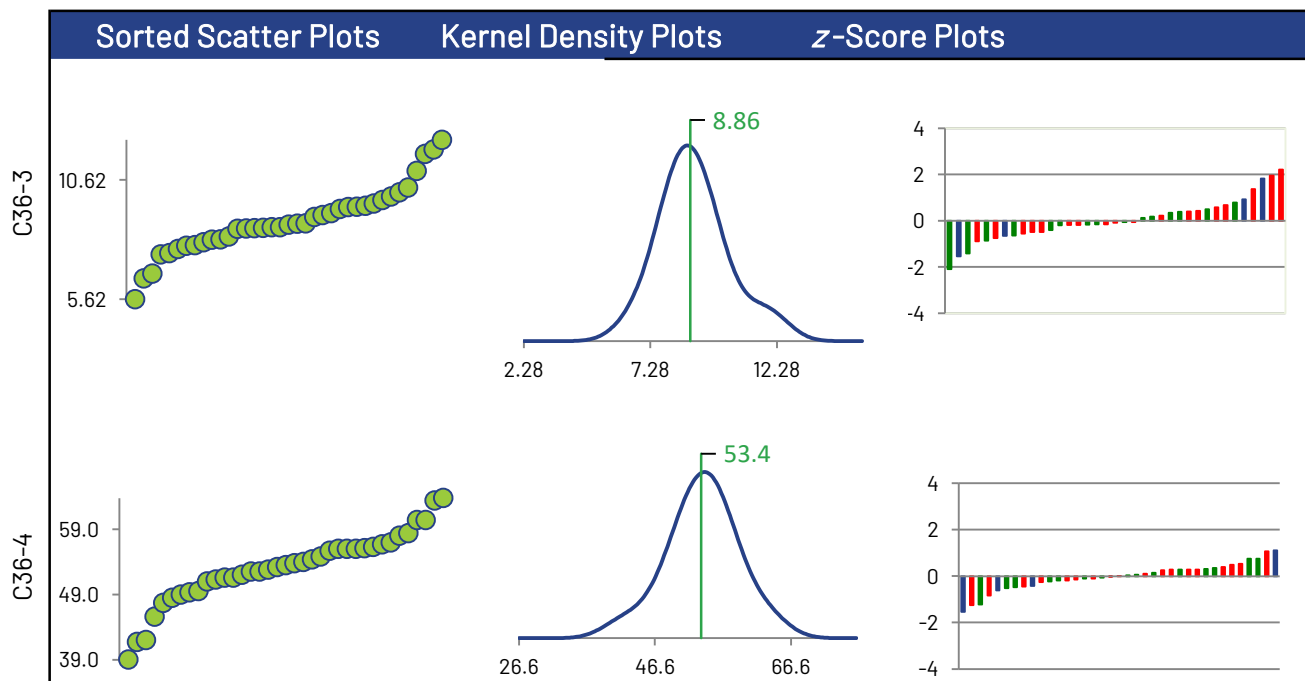
Method	C36-1	C36-2	C36-3	C36-4
GC/MS (Blue)	4	4	4	4
GC/MS - PURGE AND TRAP (Red)	18	18	18	18
GC/MS - HEADSPACE (Green)	15	15	15	15

All summary stats, except the failure rate, and the plots below are based on the data excluding any flagged outliers

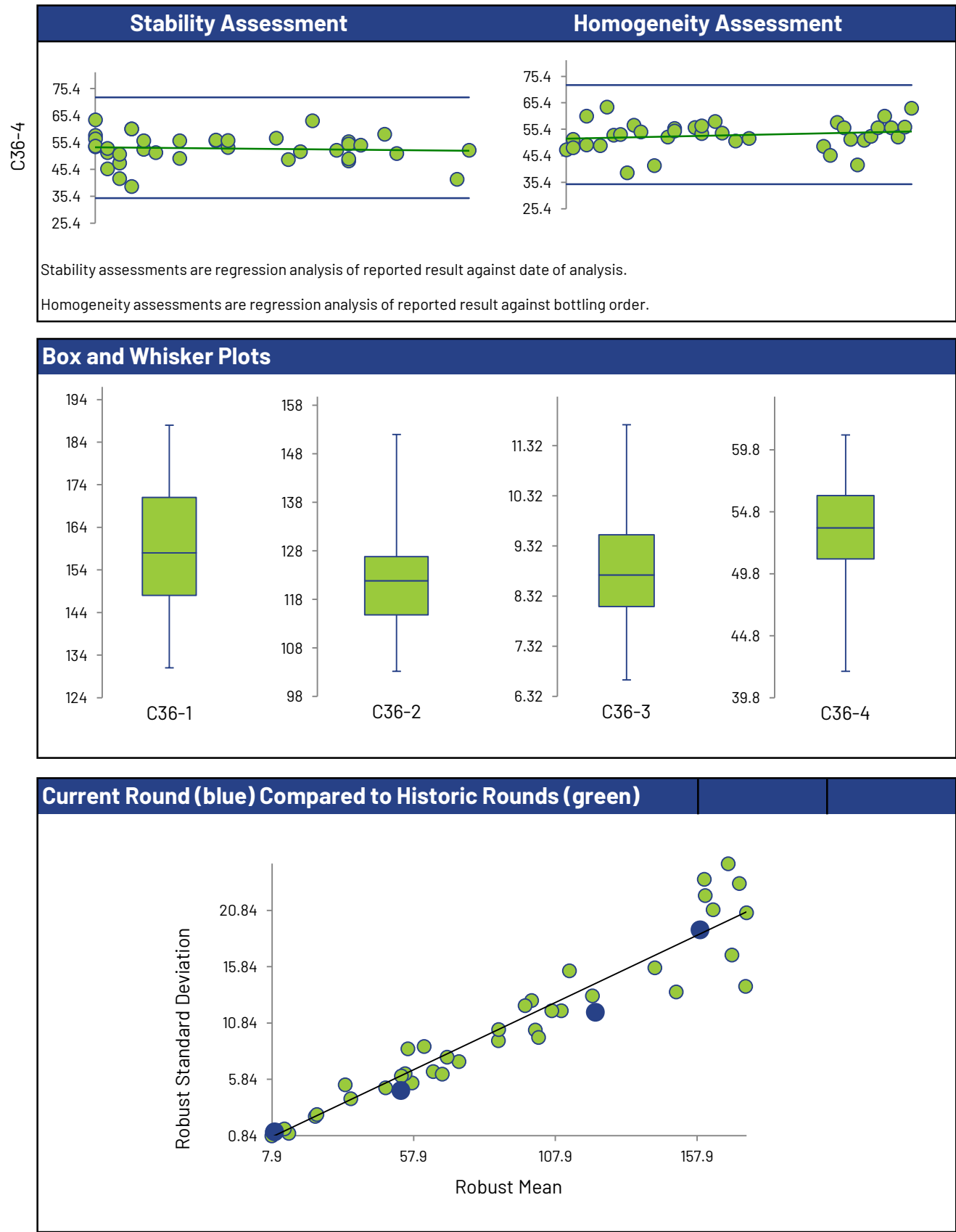


* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

1,2-Dichlorobenzene



1,2-Dichlorobenzene



1,2-Dichloroethane

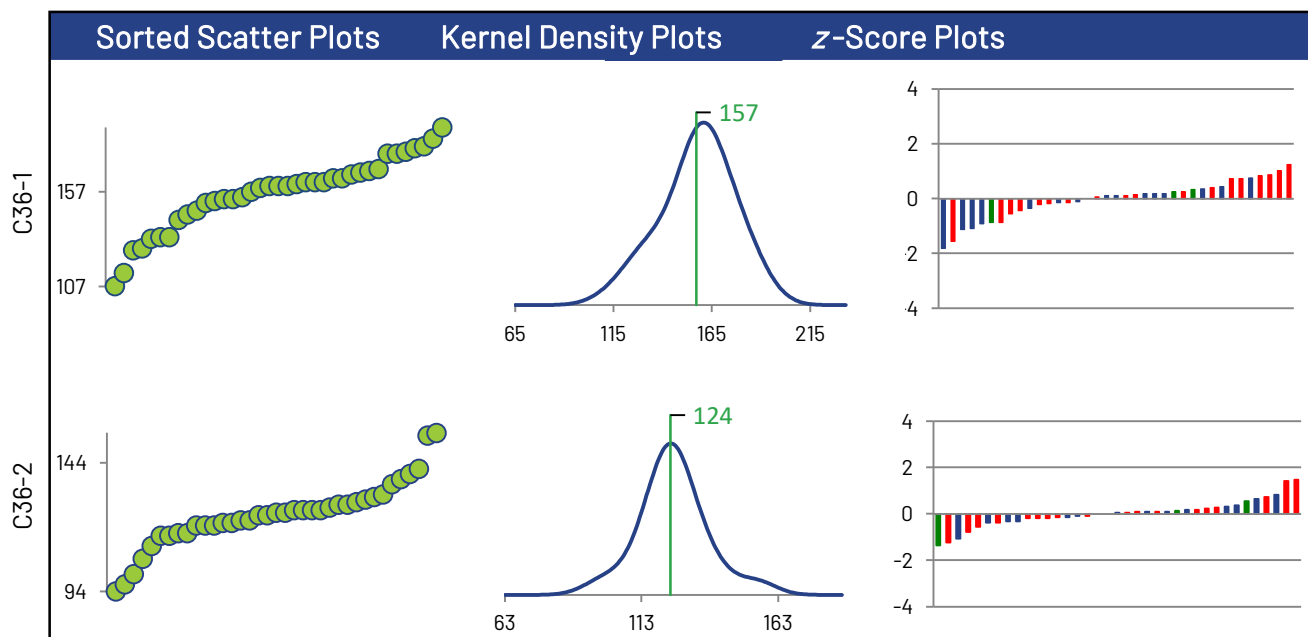
Summary Statistics

Statistic	C36-1	C36-2	C36-3	C36-4
No. of results used for summary statistics	37	37	37	37
Median µg/g	160	125	9.29	55.2
Robust Mean µg/g	157	124	9.02	54.4
Uncertainty of the Assigned Value µg/g	3.93	2.04	0.173	0.978
Robust Standard Deviation µg/g	19.1	9.95	0.843	4.76
Regression Standard Deviation µg/g	27.5	21.8	1.58	9.52
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) µg/g	27.5	21.8	1.58	9.52
Flagged Outliers	0	0	0	0
$ z > 3.0$	0	0	0	0
$2 < z < 3$	0	0	0	1
Failure Rate %*	0.0			

Methods Used

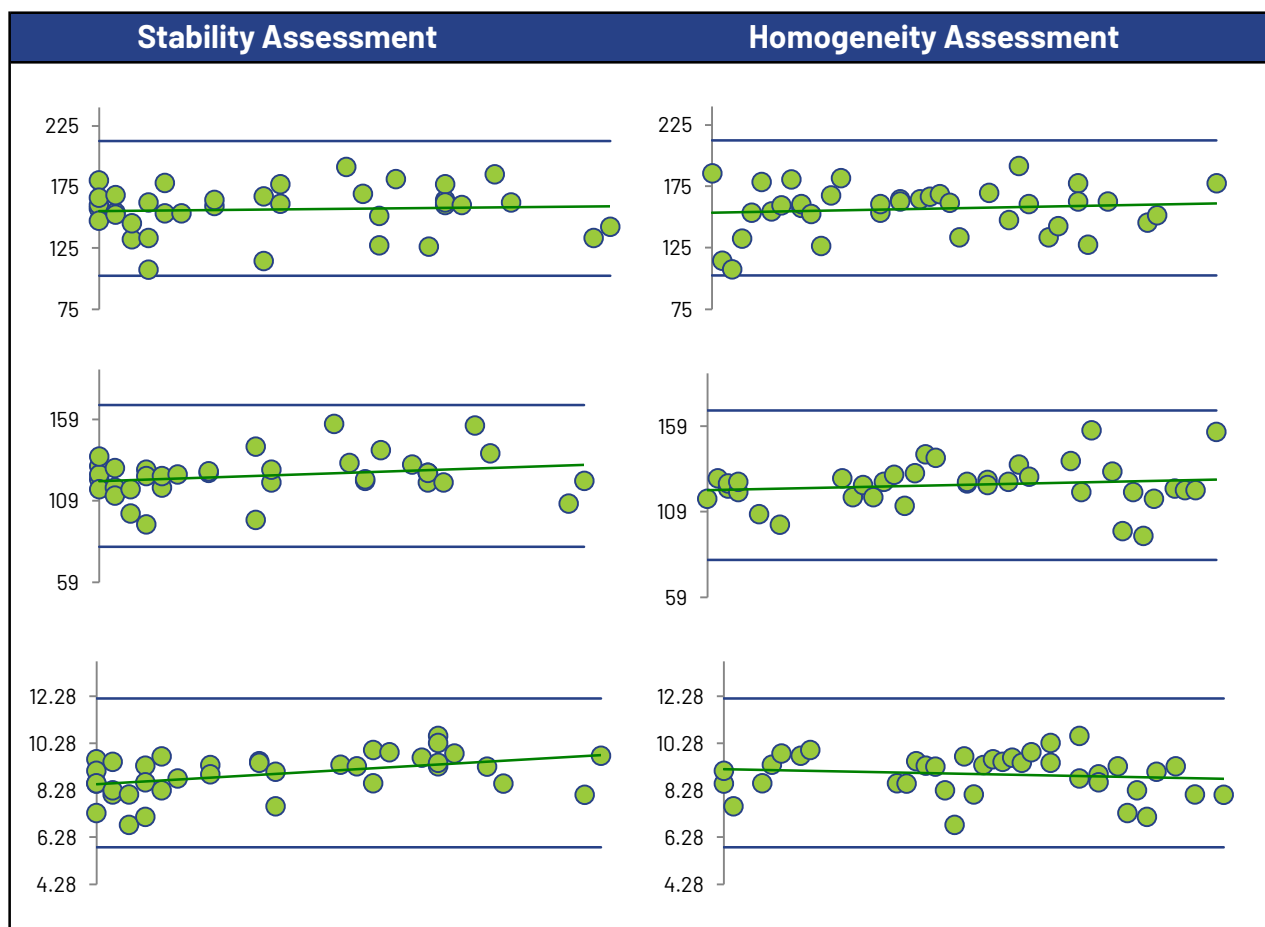
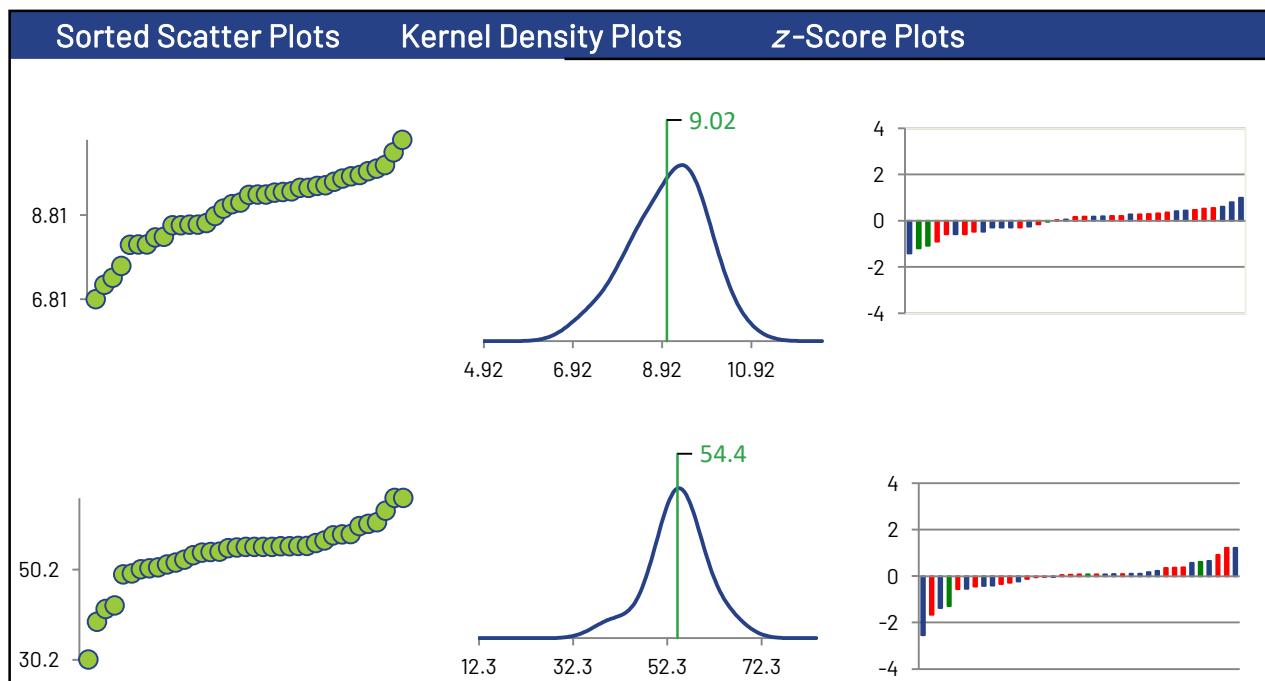
Method	C36-1	C36-2	C36-3	C36-4
GC/MS - HEADSPACE (Blue)	16	16	16	16
GC/MS - PURGE AND TRAP (Red)	18	18	18	18
GC/MS (Green)	3	3	3	3

All summary stats, except the failure rate, and the plots below are based on the data excluding any flagged outliers

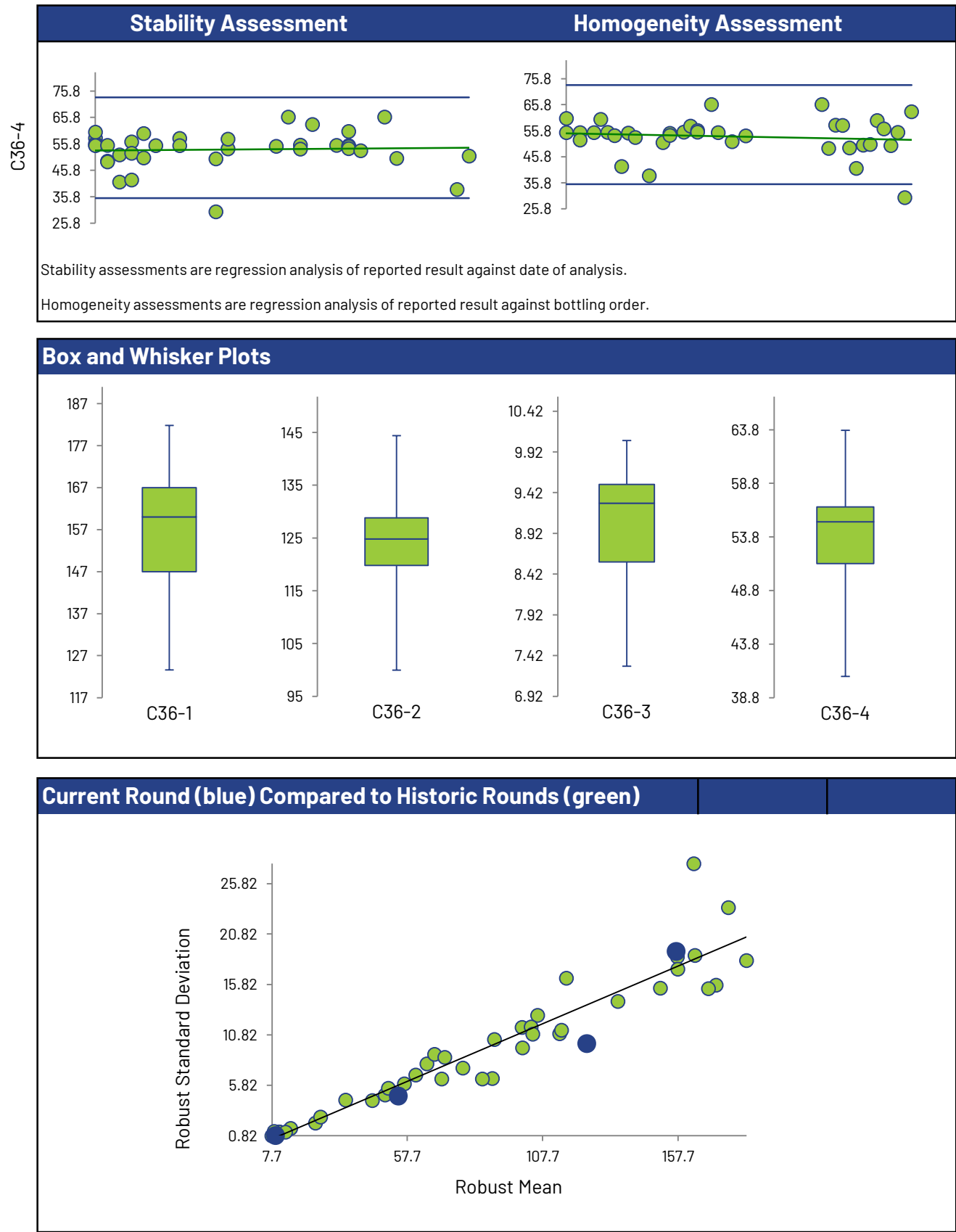


* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

1,2-Dichloroethane



1,2-Dichloroethane



1,2-Dichloropropane

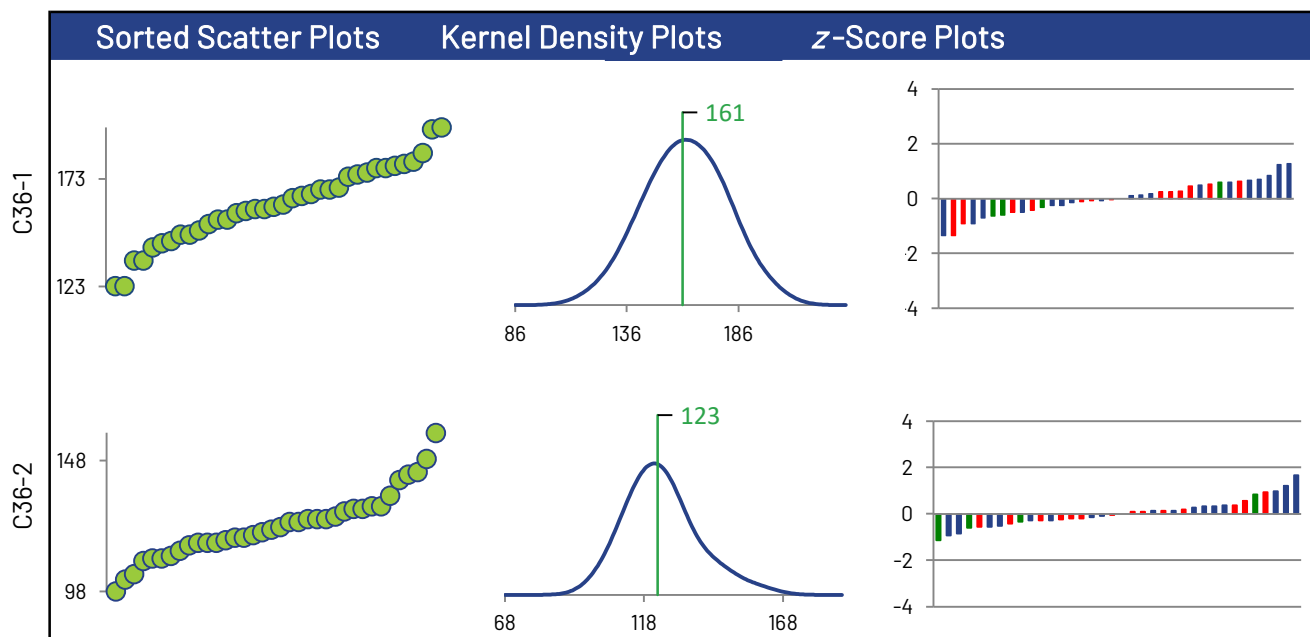
Summary Statistics

Statistic	C36-1	C36-2	C36-3	C36-4
No. of results used for summary statistics	36	36	36	36
Median µg/g	161	123	9.43	55.8
Robust Mean µg/g	161	123	9.34	55.3
Uncertainty of the Assigned Value µg/g	3.83	2.52	0.179	0.988
Robust Standard Deviation µg/g	18.4	12.1	0.860	4.74
Regression Standard Deviation µg/g	28.2	21.5	1.63	9.68
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) µg/g	28.2	21.5	1.63	9.68
Flagged Outliers	0	0	0	0
$ z > 3.0$	0	0	0	0
$2 < z < 3$	0	0	0	1
Failure Rate %*	0.0			

Methods Used

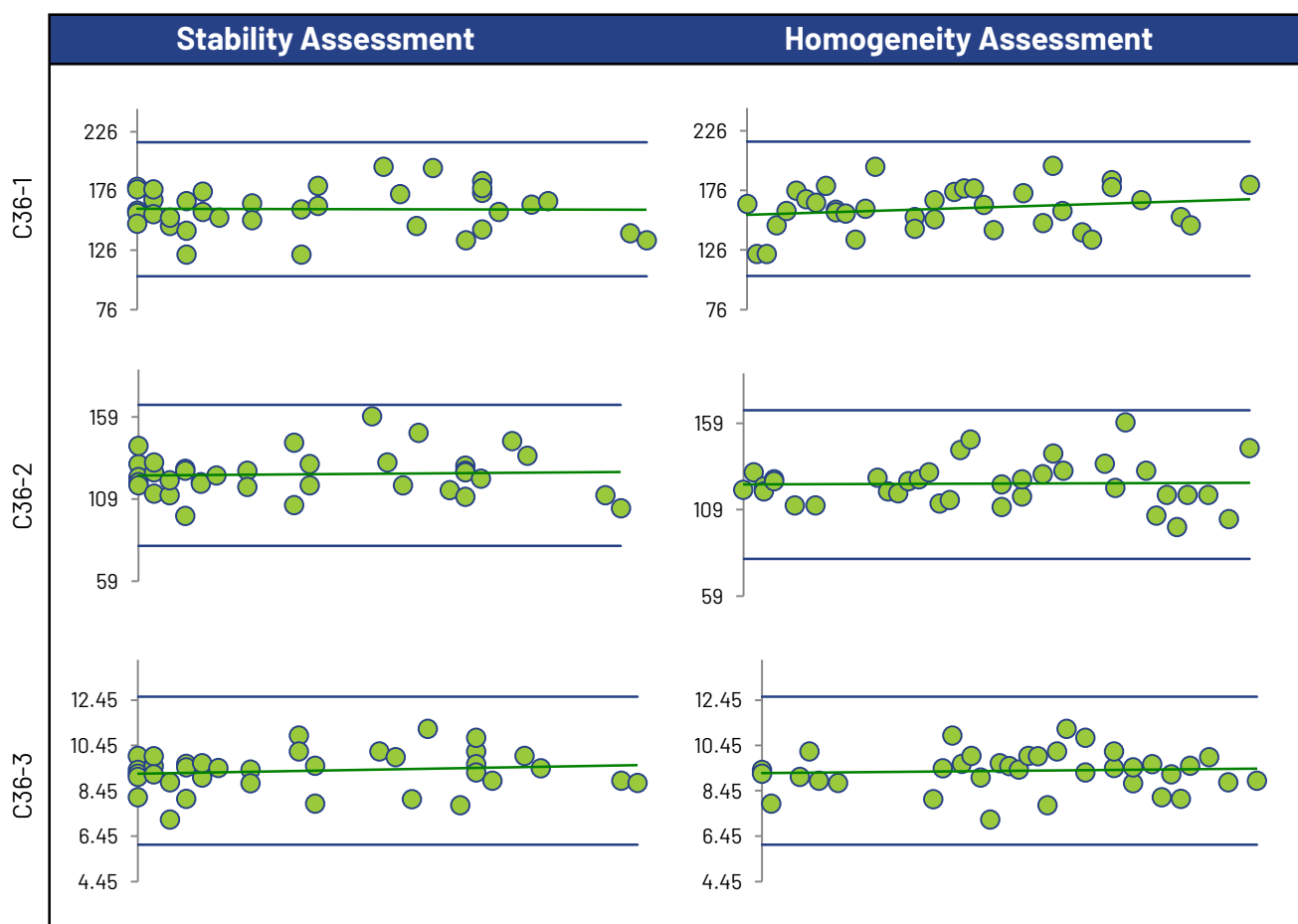
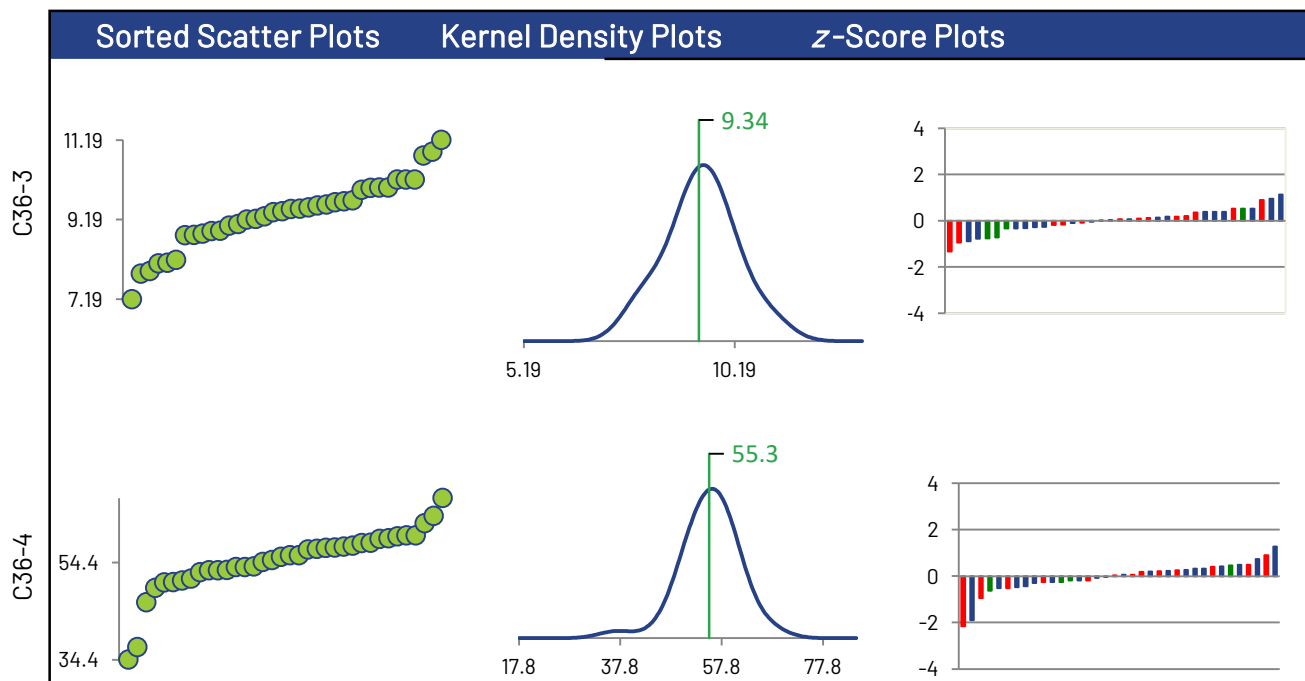
Method	C36-1	C36-2	C36-3	C36-4
GC/MS - PURGE AND TRAP (Blue)	18	18	18	18
GC/MS - HEADSPACE (Red)	14	14	14	14
GC/MS (Green)	4	4	4	4

All summary stats, except the failure rate, and the plots below are based on the data excluding any flagged outliers

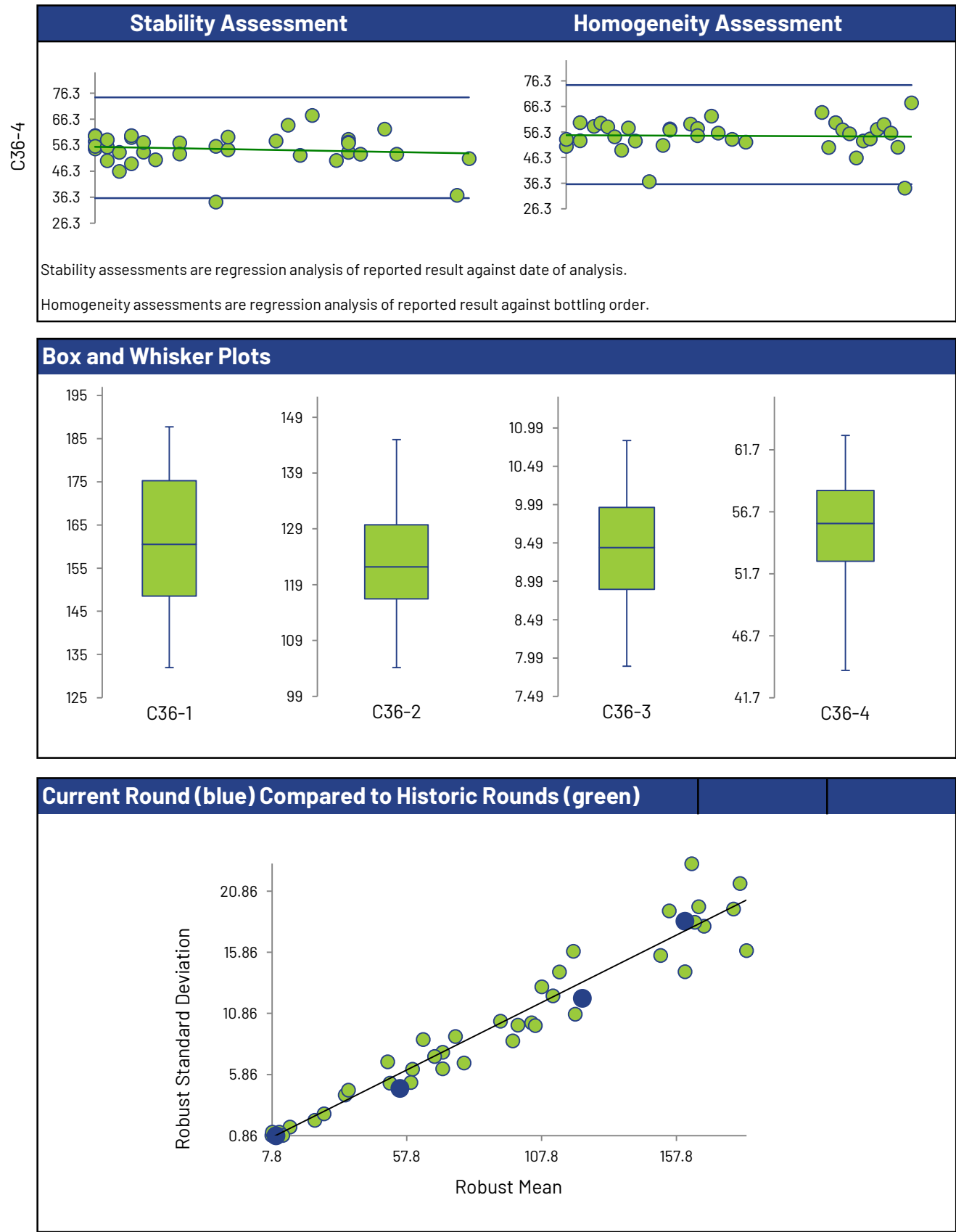


* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

1,2-Dichloropropane



1,2-Dichloropropane



1,3-Dichlorobenzene

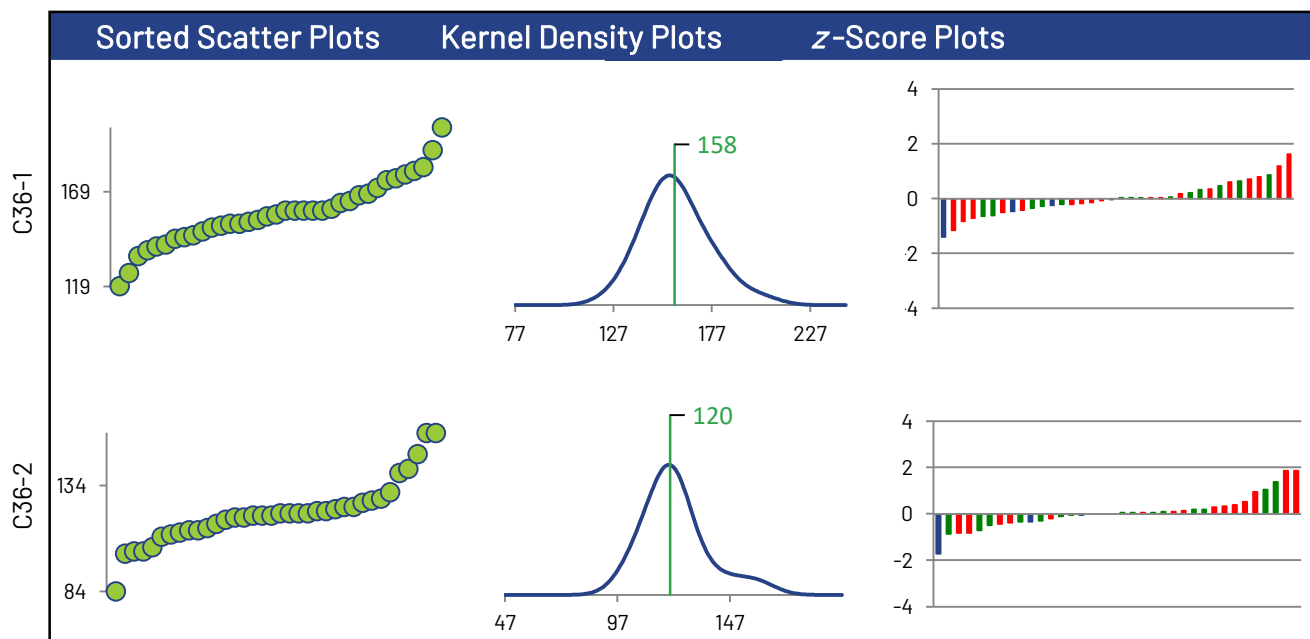
Summary Statistics

Statistic	C36-1	C36-2	C36-3	C36-4
No. of results used for summary statistics	36	36	36	36
Median µg/g	158	121	9.48	53.8
Robust Mean µg/g	158	120	9.38	53.3
Uncertainty of the Assigned Value µg/g	3.40	2.40	0.277	1.03
Robust Standard Deviation µg/g	16.3	11.5	1.33	4.94
Regression Standard Deviation µg/g	27.6	21.0	1.64	9.33
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) µg/g	27.6	21.0	1.64	9.33
Flagged Outliers	0	0	0	0
$ z > 3.0$	0	0	0	0
$2 < z < 3$	0	0	0	1
Failure Rate %*	0.0			

Methods Used

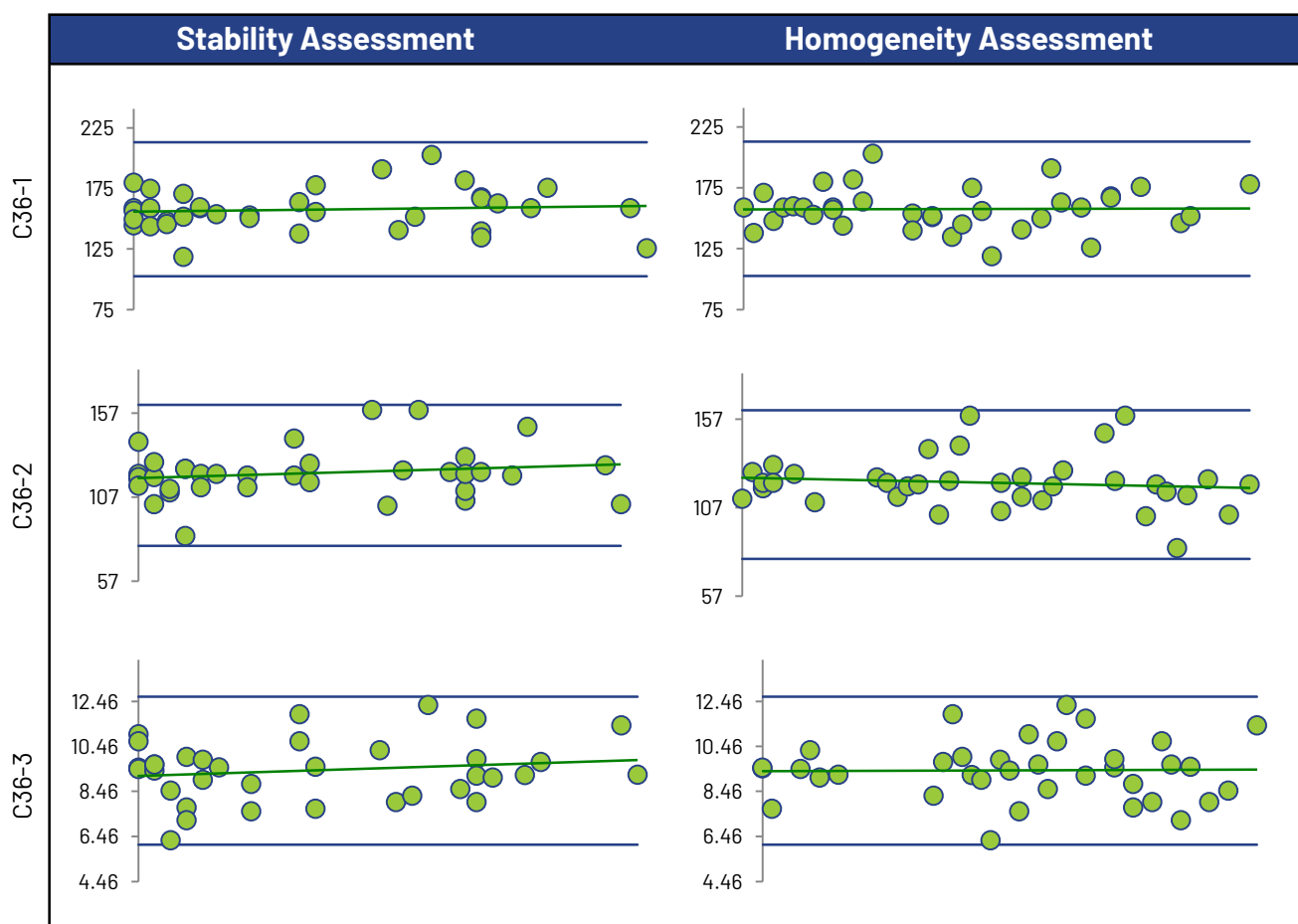
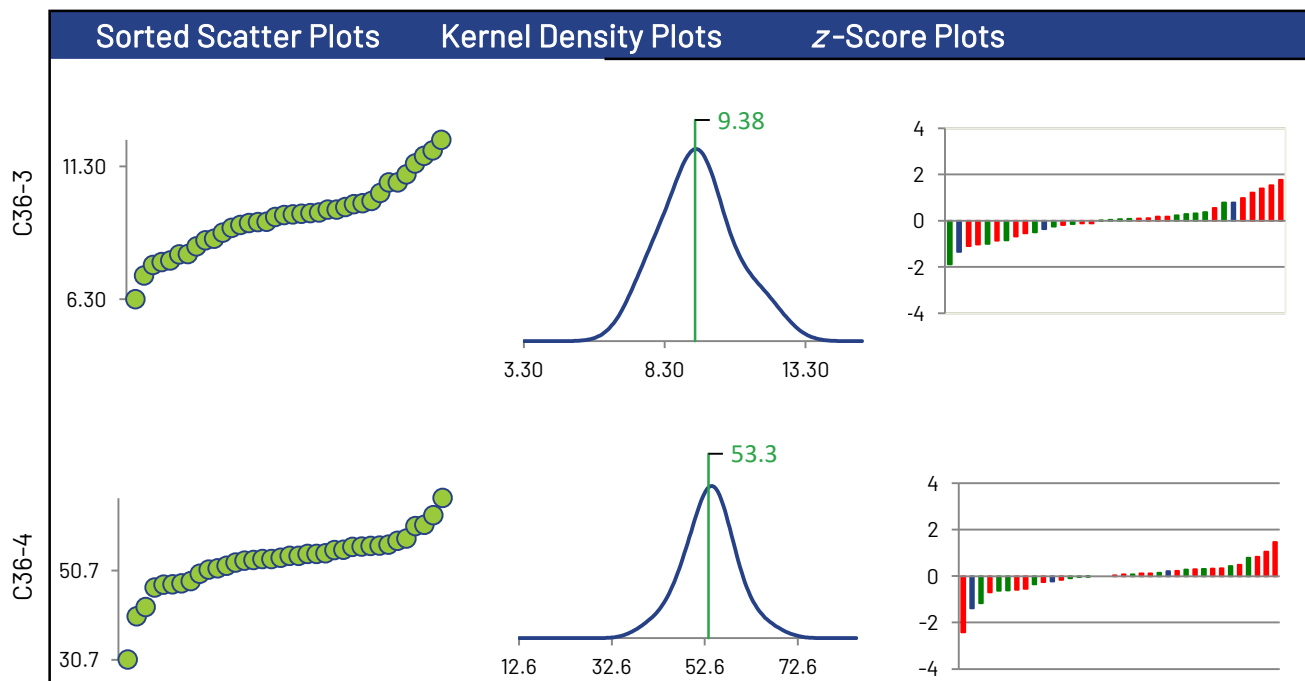
Method	C36-1	C36-2	C36-3	C36-4
GC/MS (Blue)	3	3	3	3
GC/MS - PURGE AND TRAP (Red)	18	18	18	18
GC/MS - HEADSPACE (Green)	15	15	15	15

All summary stats, except the failure rate, and the plots below are based on the data excluding any flagged outliers

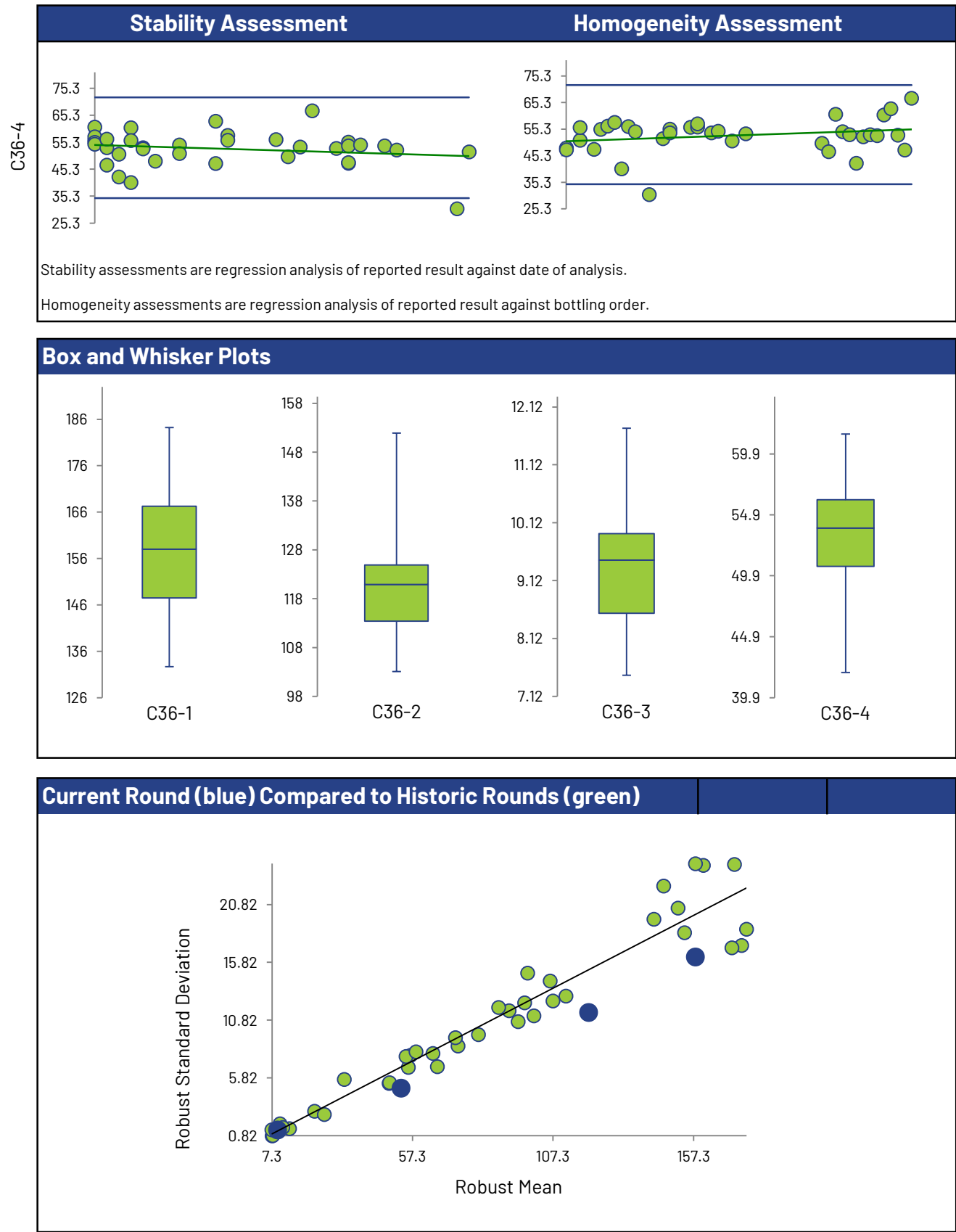


* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

1,3-Dichlorobenzene



1,3-Dichlorobenzene



1,4-Dichlorobenzene

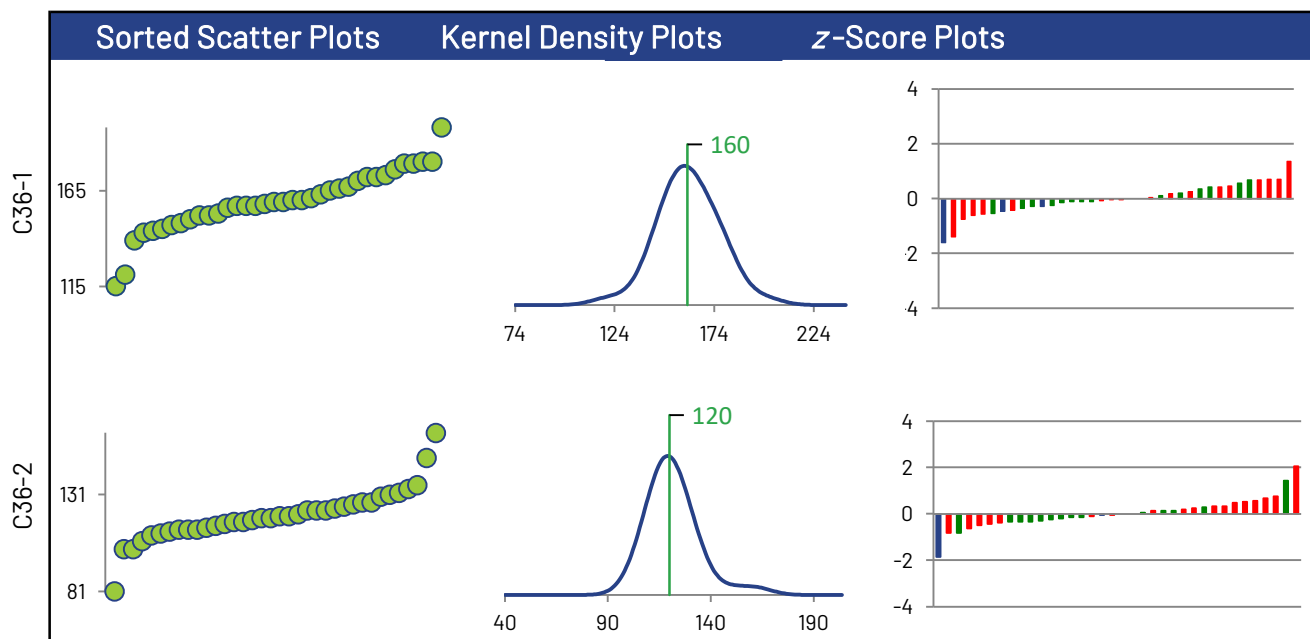
Summary Statistics

Statistic	C36-1	C36-2	C36-3	C36-4
No. of results used for summary statistics	36	36	36	36
Median µg/g	159	120	8.38	53.0
Robust Mean µg/g	160	120	8.30	52.4
Uncertainty of the Assigned Value µg/g	3.02	2.13	0.206	1.00
Robust Standard Deviation µg/g	14.5	10.2	0.991	4.80
Regression Standard Deviation µg/g	28.0	21.0	1.45	9.17
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) µg/g	28.0	21.0	1.45	9.17
Flagged Outliers	0	0	0	0
$ z > 3.0$	0	0	0	0
$2 < z < 3$	0	1	2	1
Failure Rate %*	0.0			

Methods Used

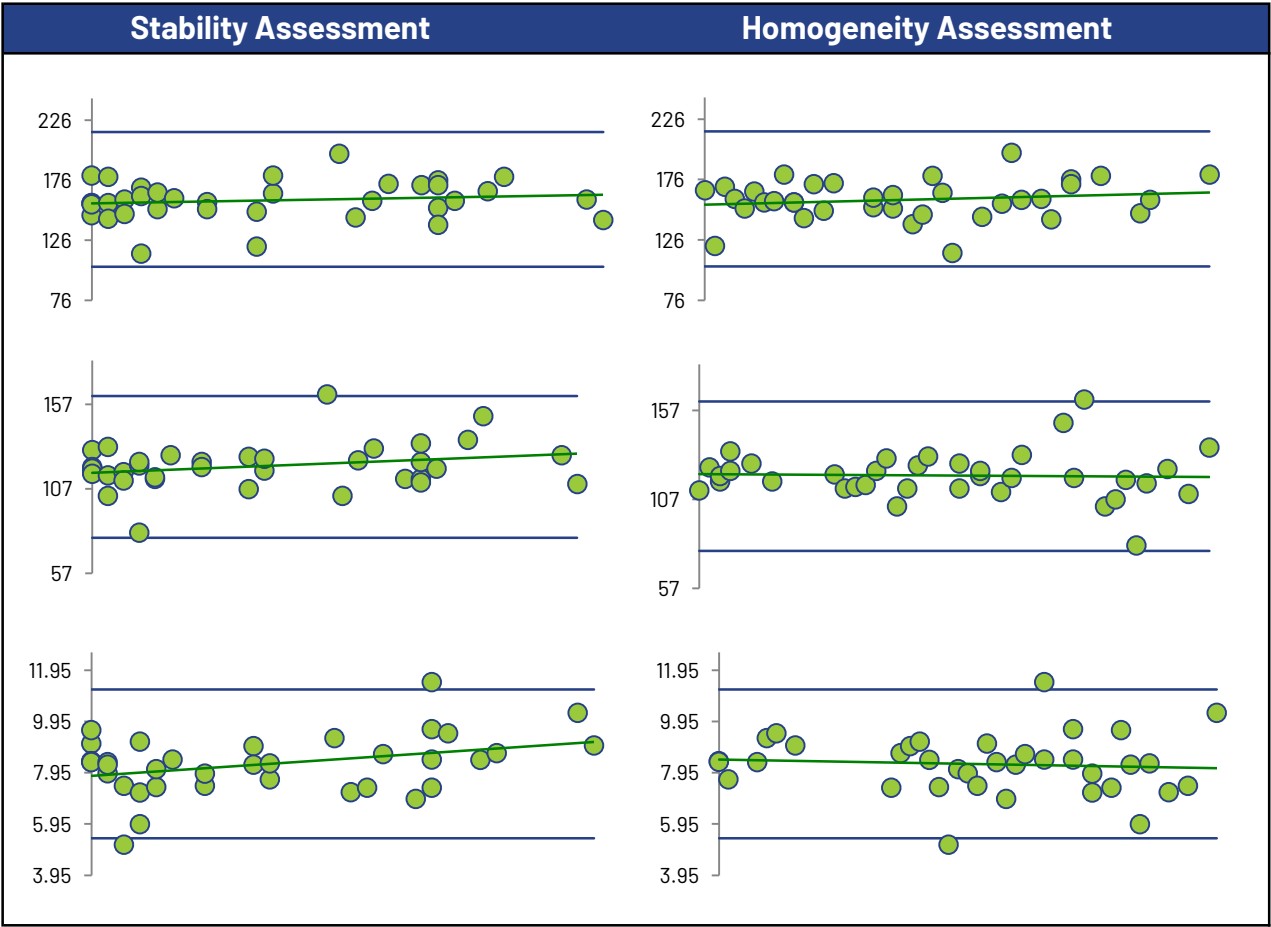
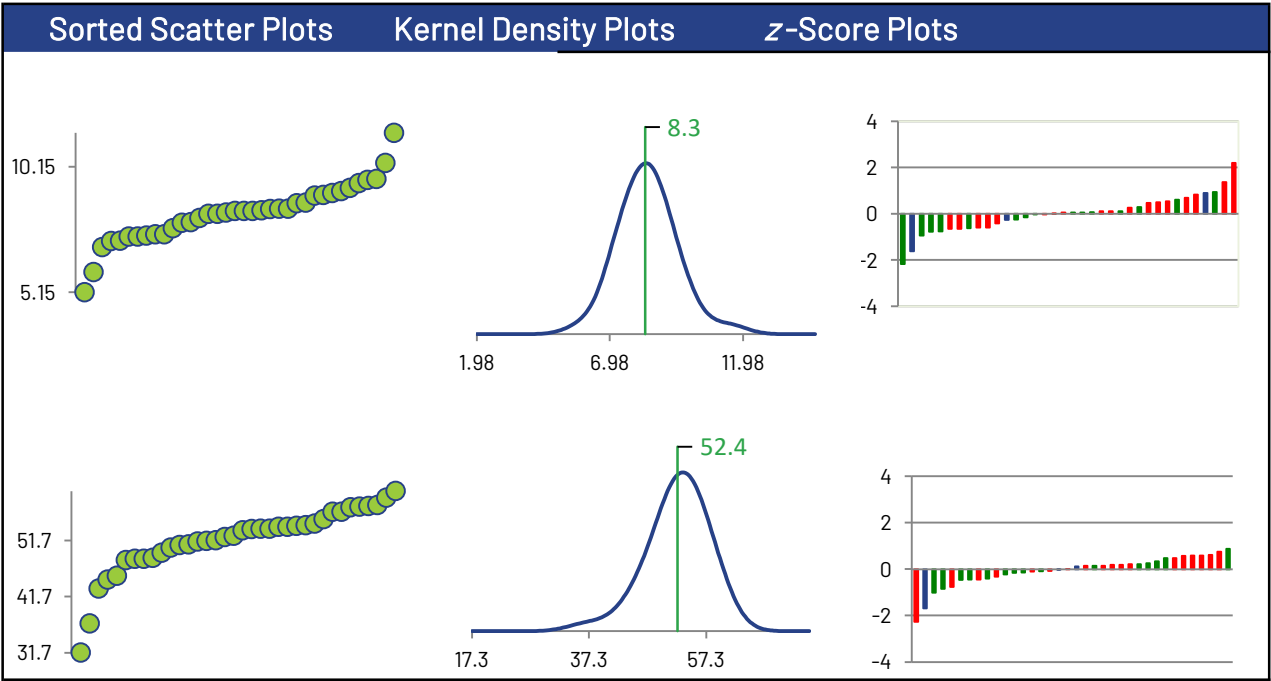
Method	C36-1	C36-2	C36-3	C36-4
GC/MS (Blue)	3	3	3	3
GC/MS - PURGE AND TRAP (Red)	18	18	18	18
GC/MS - HEADSPACE (Green)	15	15	15	15

All summary stats, except the failure rate, and the plots below are based on the data excluding any flagged outliers

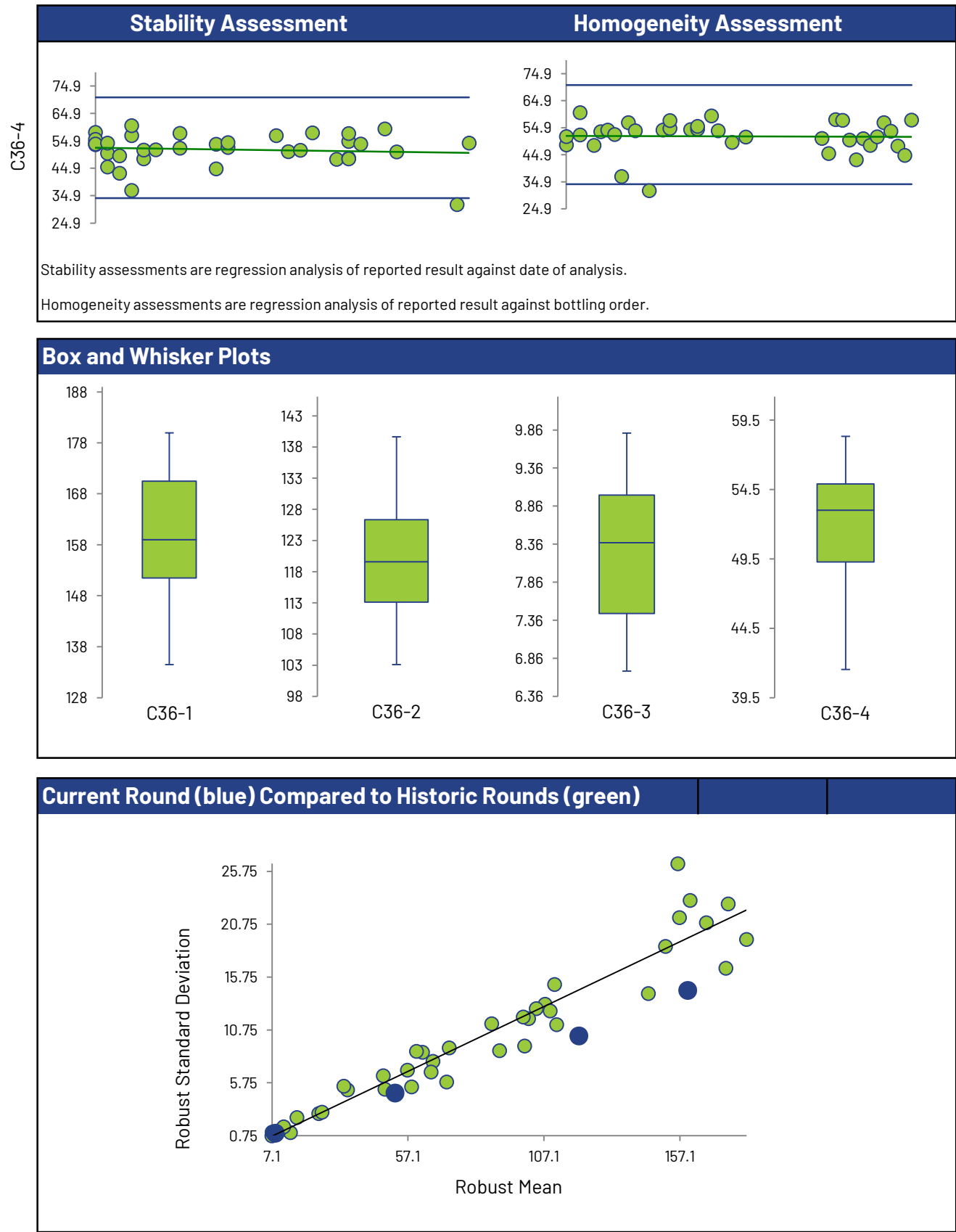


* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

1,4-Dichlorobenzene



1,4-Dichlorobenzene



Acetone (2-Propanone)

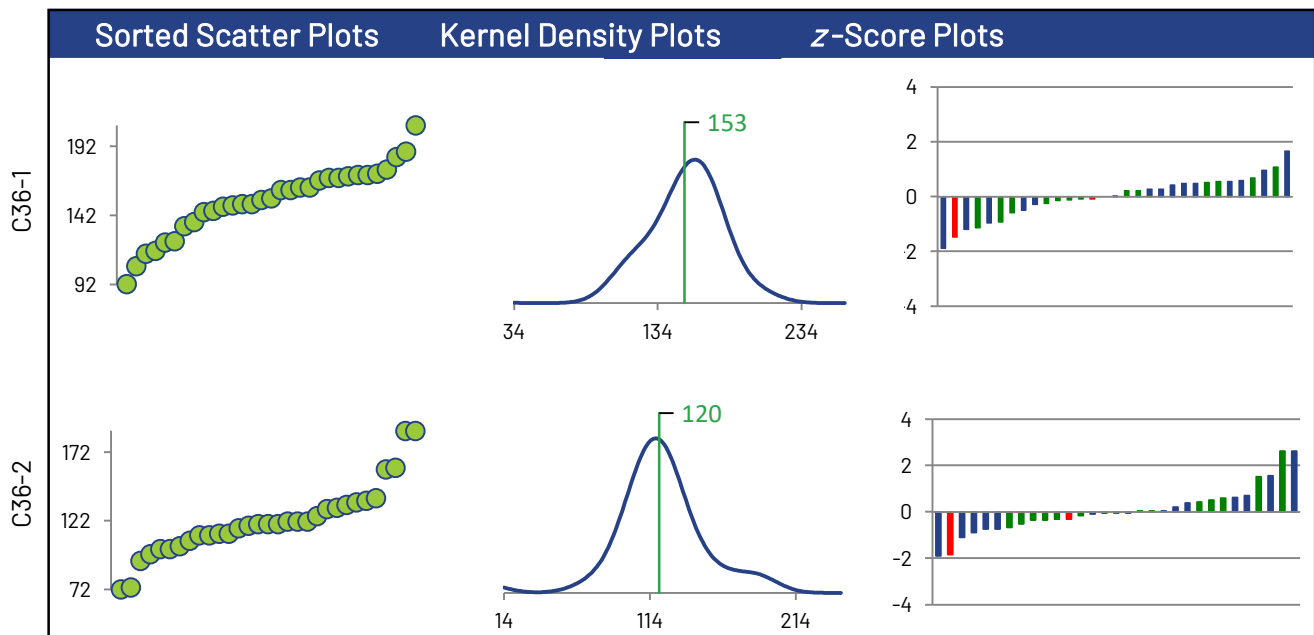
Summary Statistics

Statistic	C36-1	C36-2	C36-3	C36-4
No. of results used for summary statistics	31	31	30	31
Median µg/g	154	119	10.7	53.2
Robust Mean µg/g	153	120	11.6	51.8
Uncertainty of the Assigned Value µg/g	5.64	4.51	0.605	1.96
Robust Standard Deviation µg/g	25.1	20.1	2.65	8.72
Regression Standard Deviation µg/g	32.4	25.6	3.57	11.8
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) µg/g	32.4	25.6	3.57	11.8
Flagged Outliers	0	0	0	0
$ z > 3.0$	0	0	1	1
$2 < z < 3$	0	2	1	1
Failure Rate %*	6.5			

Methods Used

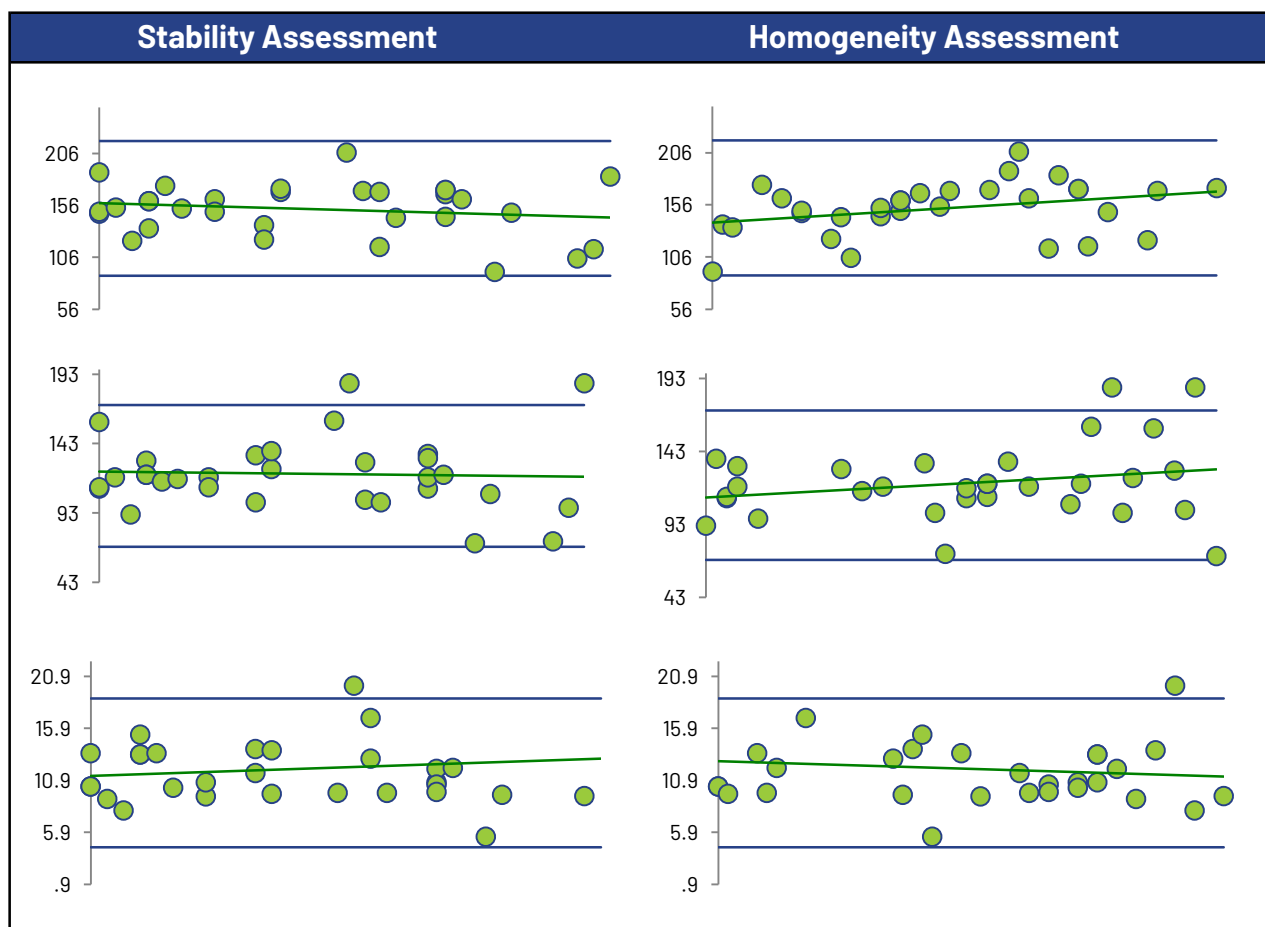
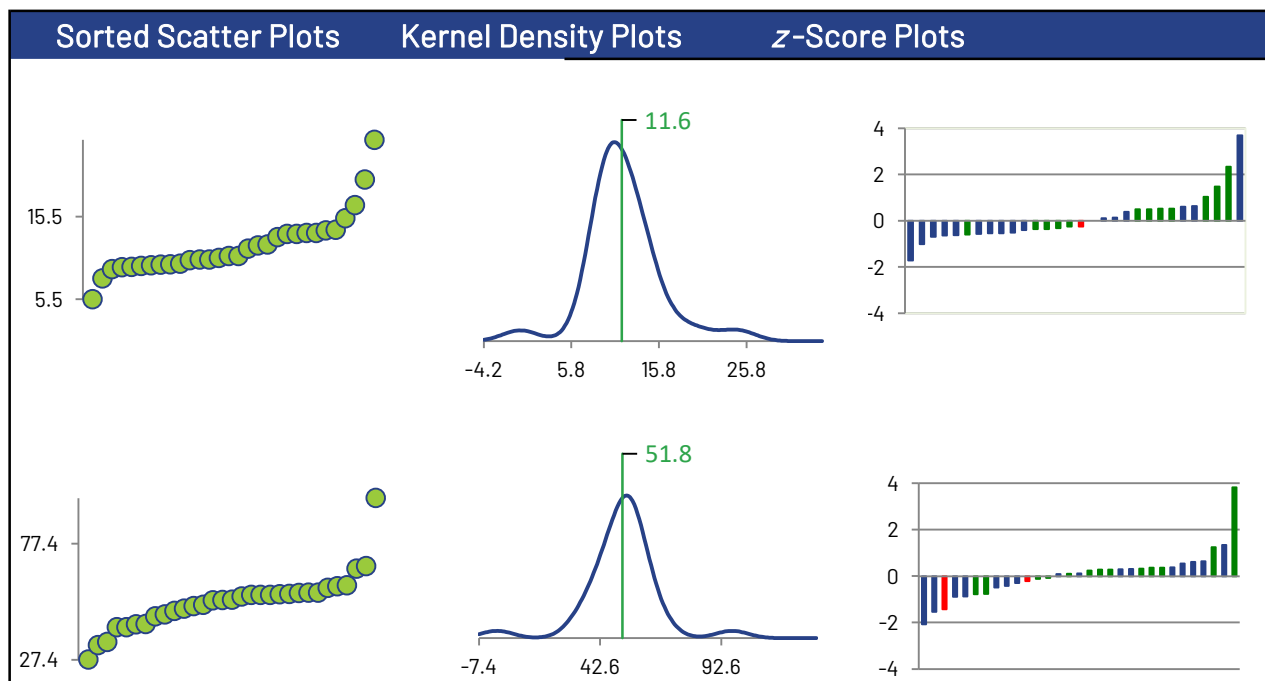
Method	C36-1	C36-2	C36-3	C36-4
GC/MS - PURGE AND TRAP (Blue)	16	16	16	16
GC/MS (Red)	2	2	1	2
GC/MS - HEADSPACE (Green)	13	13	13	13

All summary stats, except the failure rate, and the plots below are based on the data excluding any flagged outliers

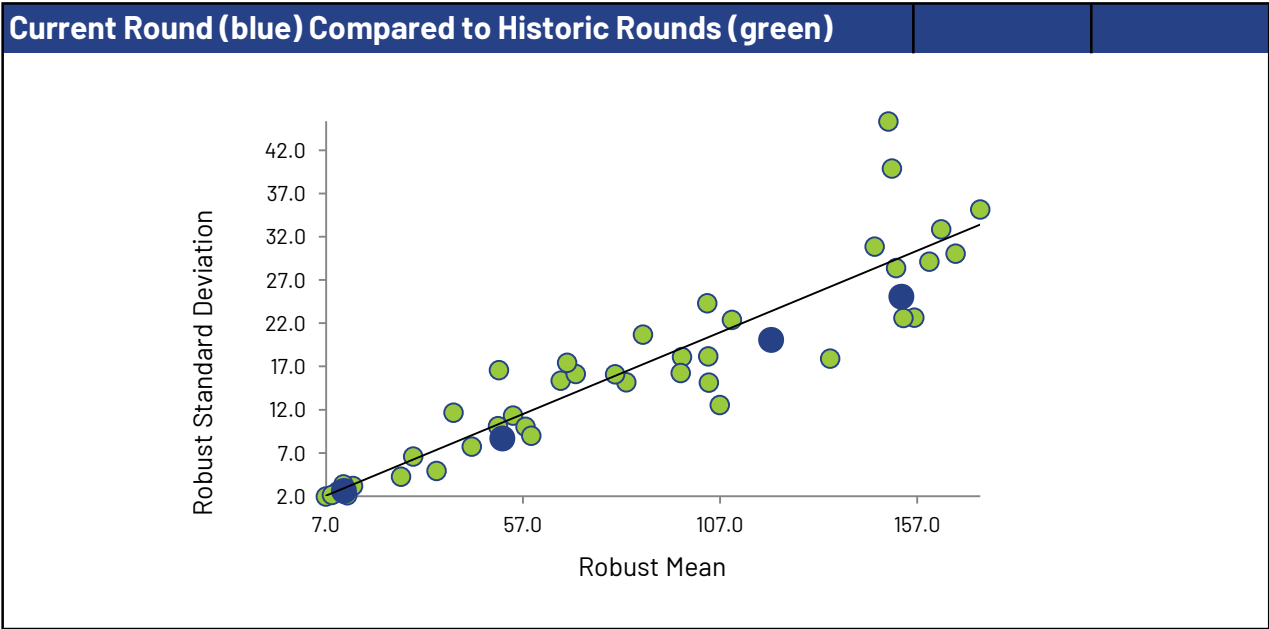
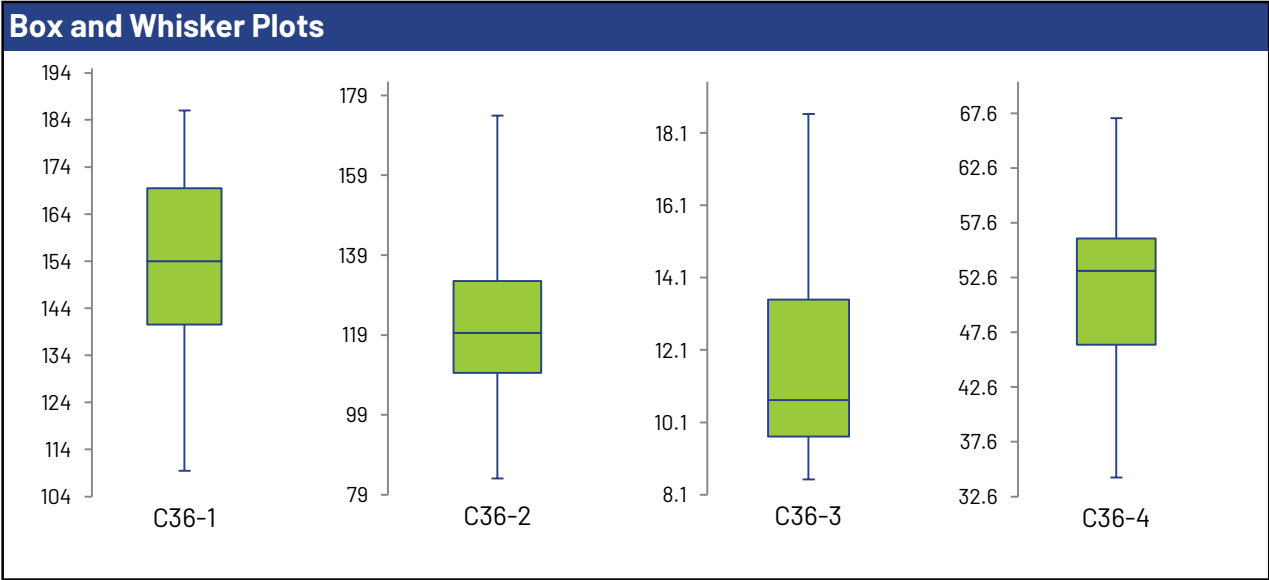
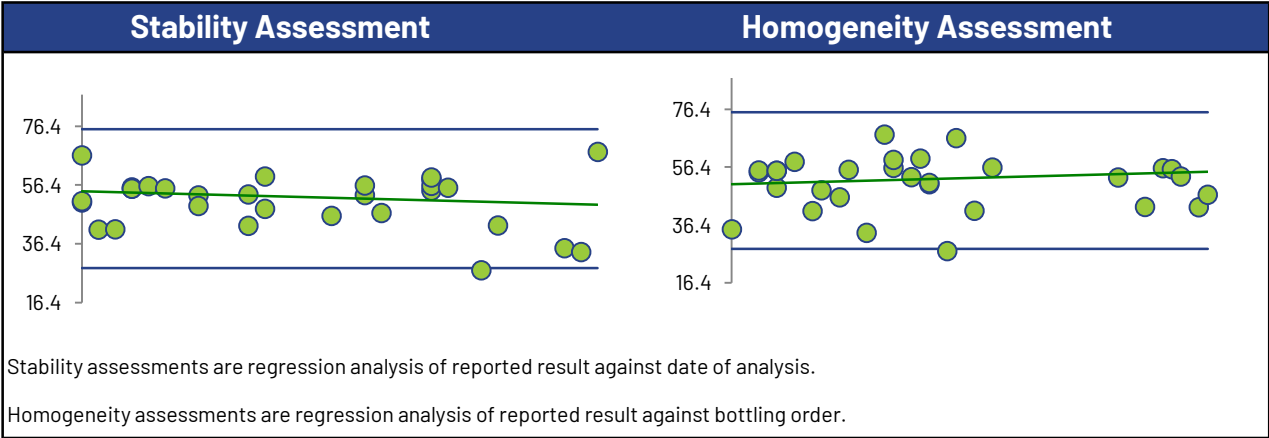


* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

Acetone (2-Propanone)



Acetone (2-Propanone)



Benzene

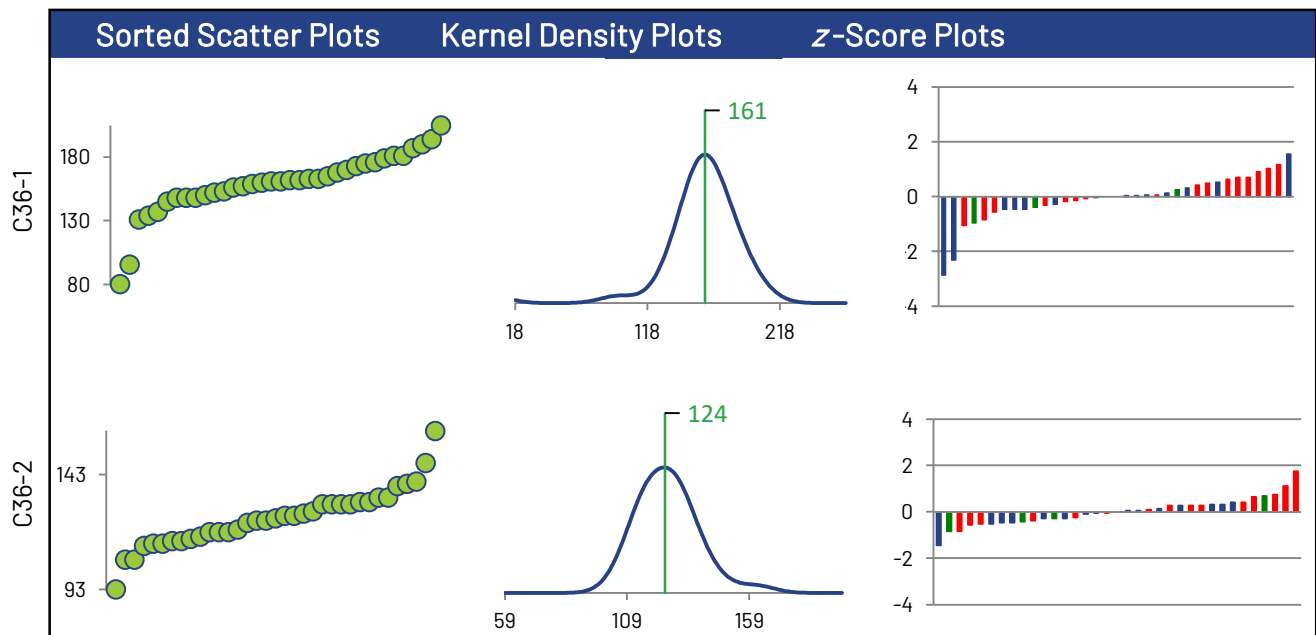
Summary Statistics

Statistic	C36-1	C36-2	C36-3	C36-4
No. of results used for summary statistics	35	35	34	35
Median µg/g	161	124	9.01	54.3
Robust Mean µg/g	161	124	8.91	52.8
Uncertainty of the Assigned Value µg/g	4.10	2.41	0.186	1.42
Robust Standard Deviation µg/g	19.4	11.4	0.867	6.71
Regression Standard Deviation µg/g	28.2	21.7	1.56	9.25
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) µg/g	28.2	21.7	1.56	9.25
Flagged Outliers	0	0	0	0
$ z > 3.0$	0	0	0	1
$2 < z < 3$	2	0	0	1
Failure Rate %*	0.0			

Methods Used

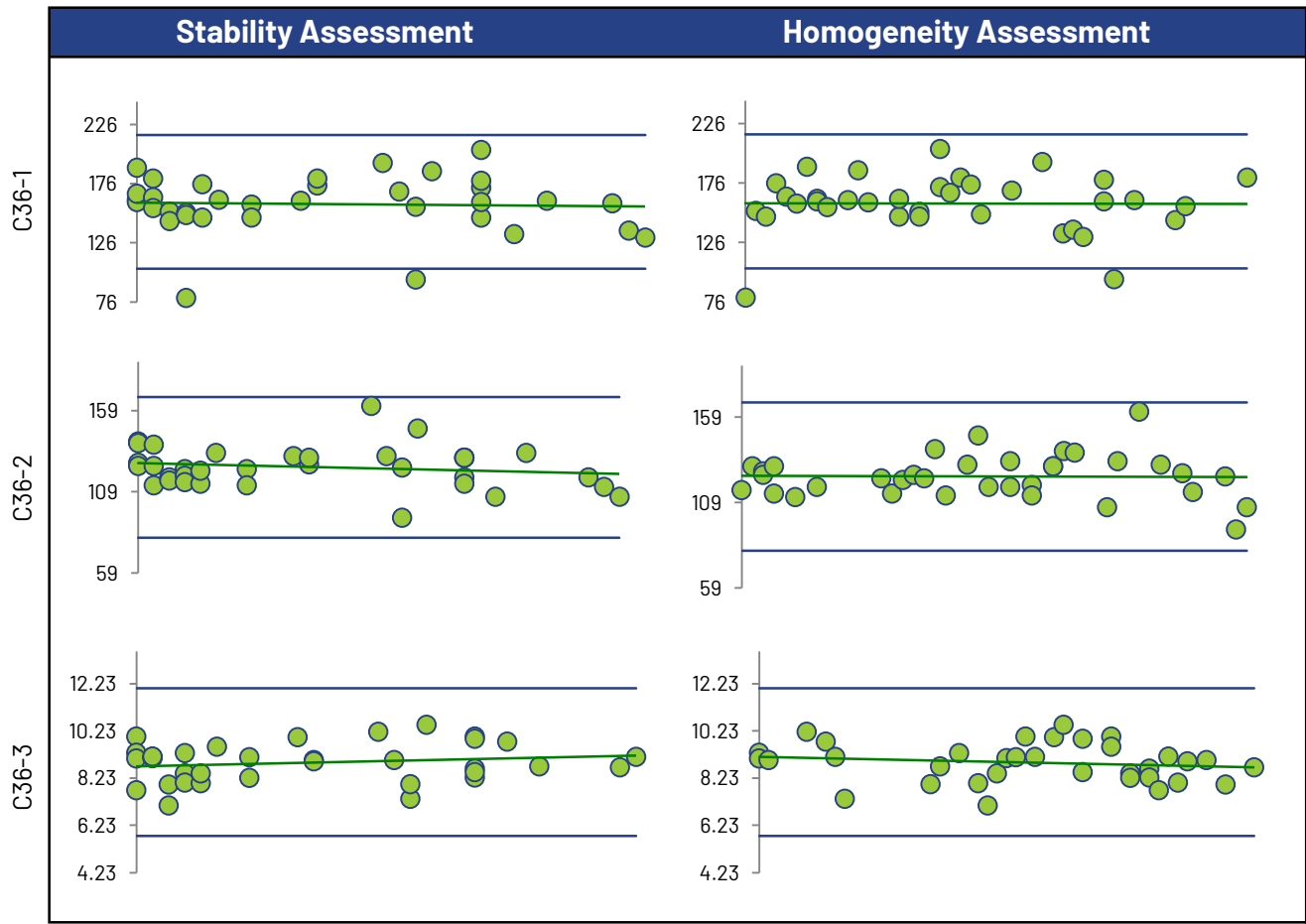
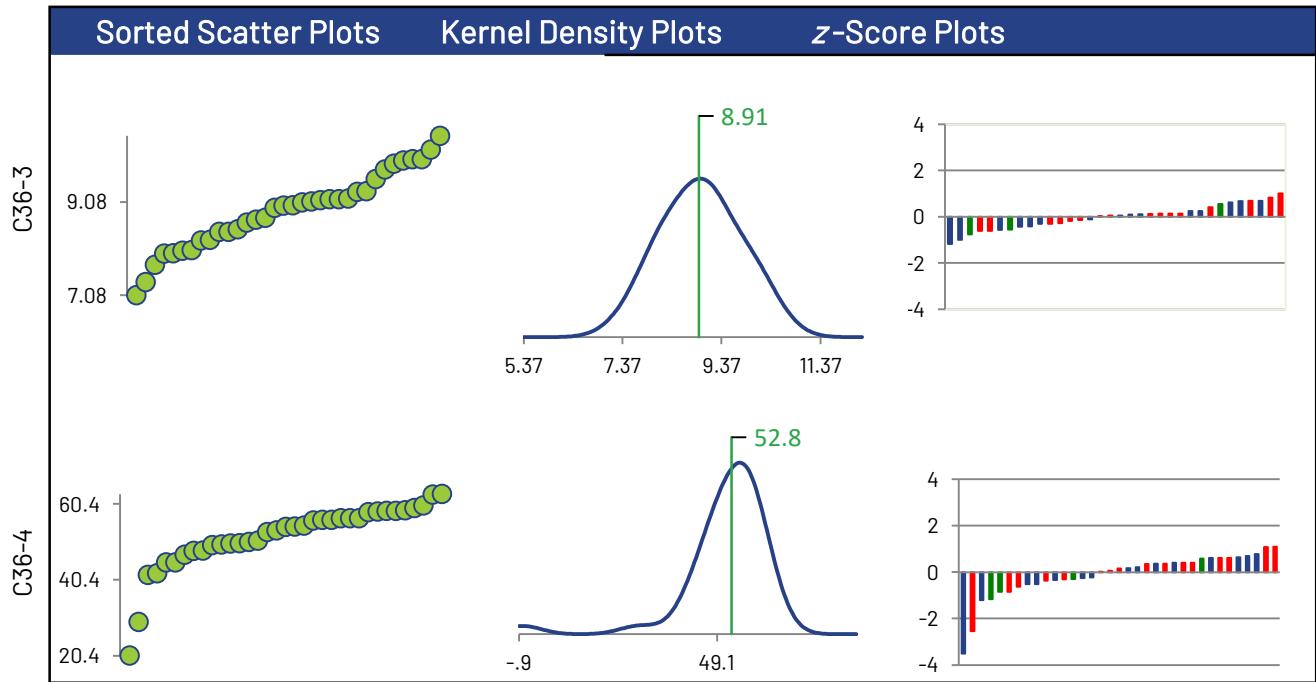
Method	C36-1	C36-2	C36-3	C36-4
GC/MS - HEADSPACE (Blue)	15	15	15	15
GC/MS - PURGE AND TRAP (Red)	16	16	16	16
GC/MS (Green)	4	4	3	4

All summary stats, except the failure rate, and the plots below are based on the data excluding any flagged outliers

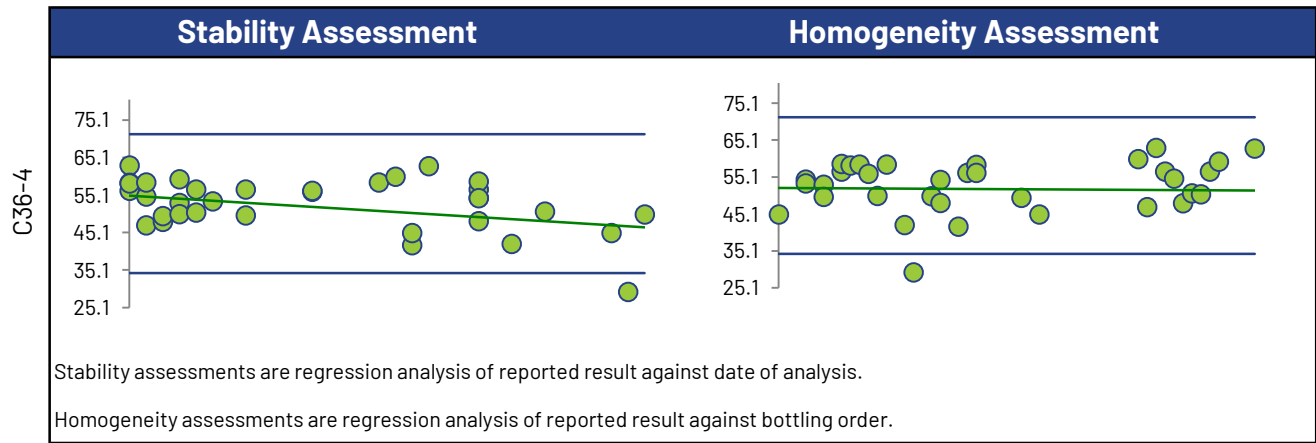


* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

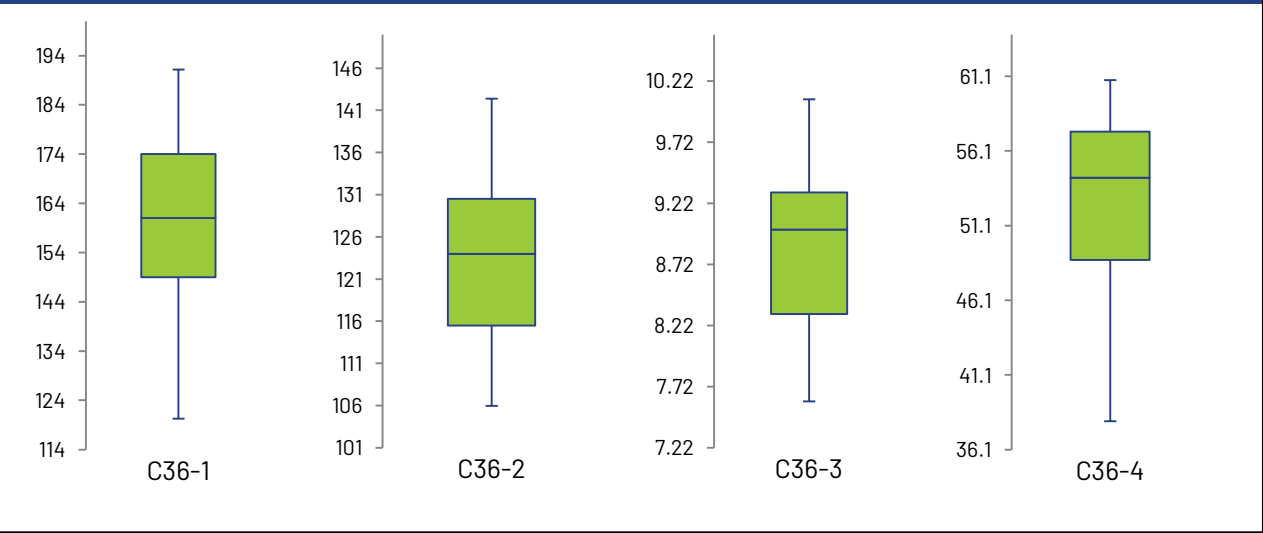
Benzene



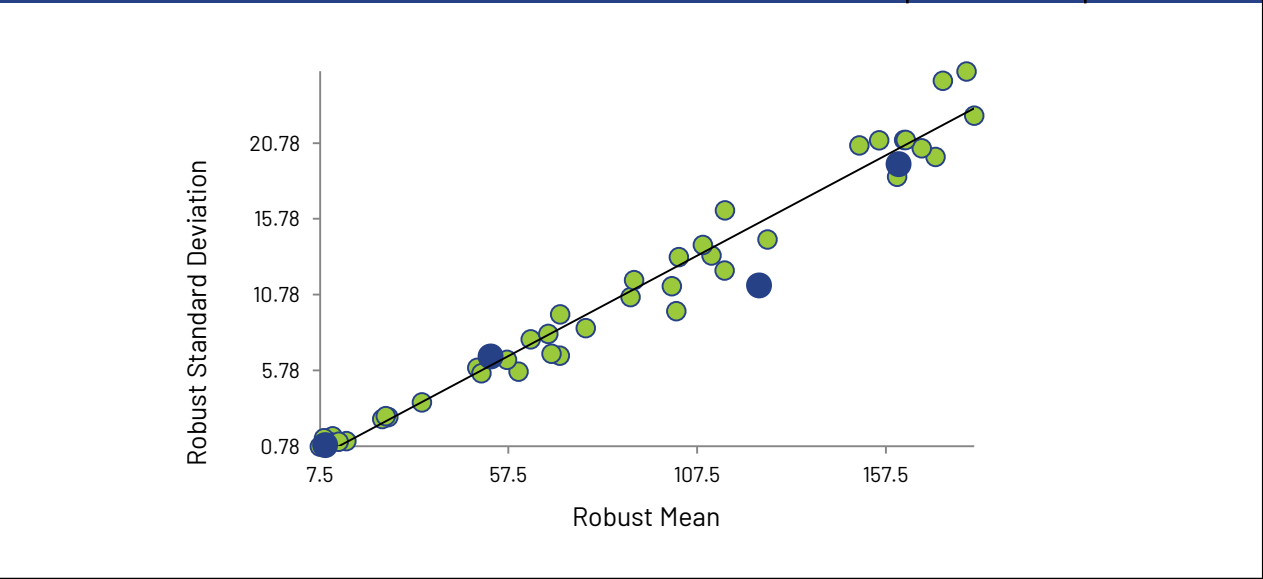
Benzene



Box and Whisker Plots



Current Round (blue) Compared to Historic Rounds (green)



Bromodichloromethane

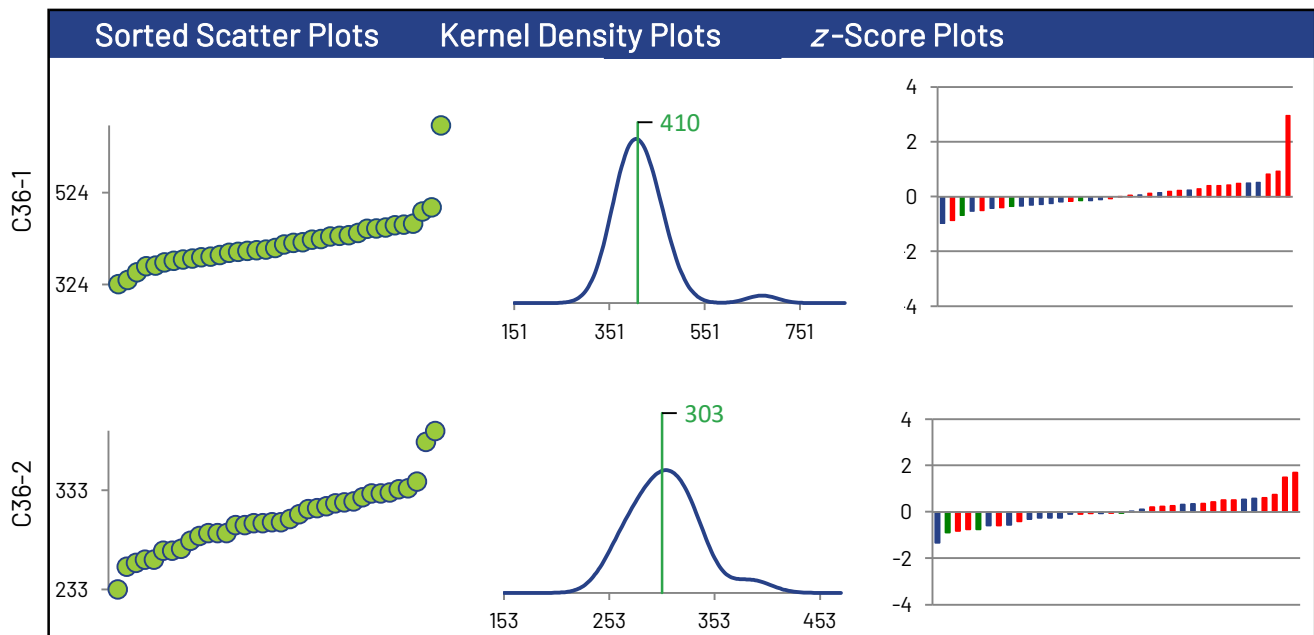
Summary Statistics

Statistic	C36-1	C36-2	C36-3	C36-4
No. of results used for summary statistics	36	36	36	36
Median µg/g	407	301	20.2	137
Robust Mean µg/g	410	303	20.1	136
Uncertainty of the Assigned Value µg/g	8.60	6.33	0.435	2.96
Robust Standard Deviation µg/g	41.3	30.4	2.09	14.2
Regression Standard Deviation µg/g	71.7	53.0	3.51	23.8
Stability Flag	Stability			
Homogeneity Flag				
Standard Deviation Used (SDPA) µg/g	88.3	53.0	3.51	23.8
Flagged Outliers	0	0	0	0
$ z > 3.0$	0	0	0	0
$2 < z < 3$	1	0	0	1
Failure Rate %*	0.0			

Methods Used

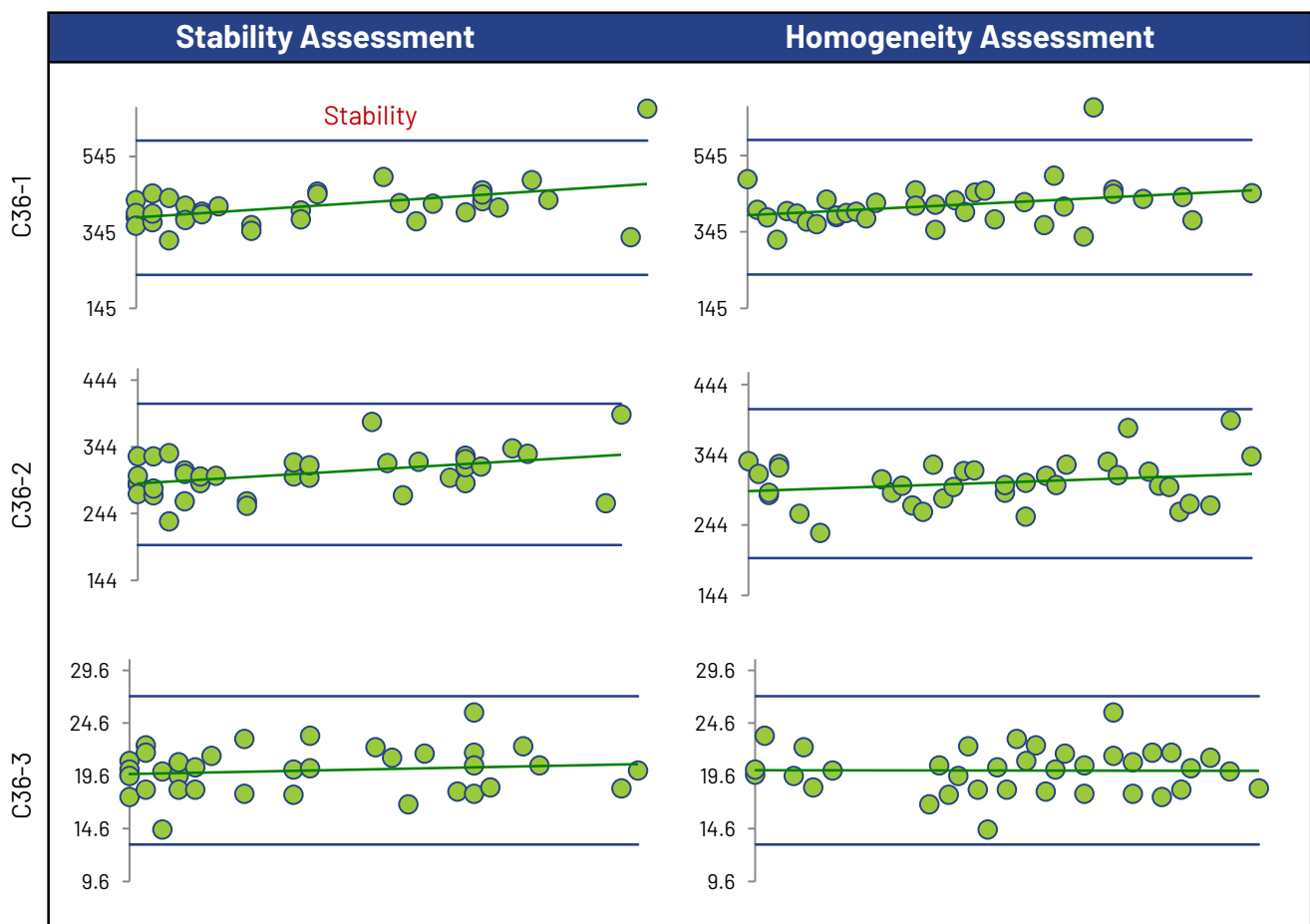
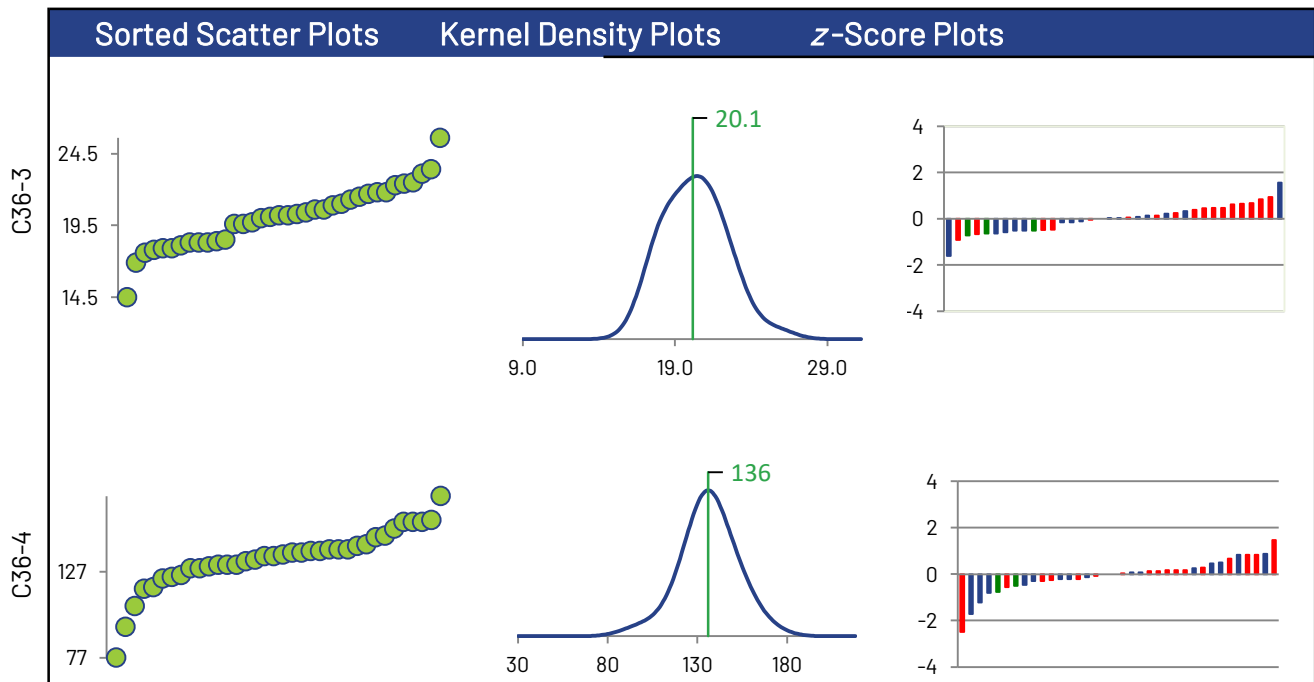
Method	C36-1	C36-2	C36-3	C36-4
GC/MS - HEADSPACE (Blue)	15	15	15	15
GC/MS - PURGE AND TRAP (Red)	18	18	18	18
GC/MS (Green)	3	3	3	3

All summary stats, except the failure rate, and the plots below are based on the data excluding any flagged outliers

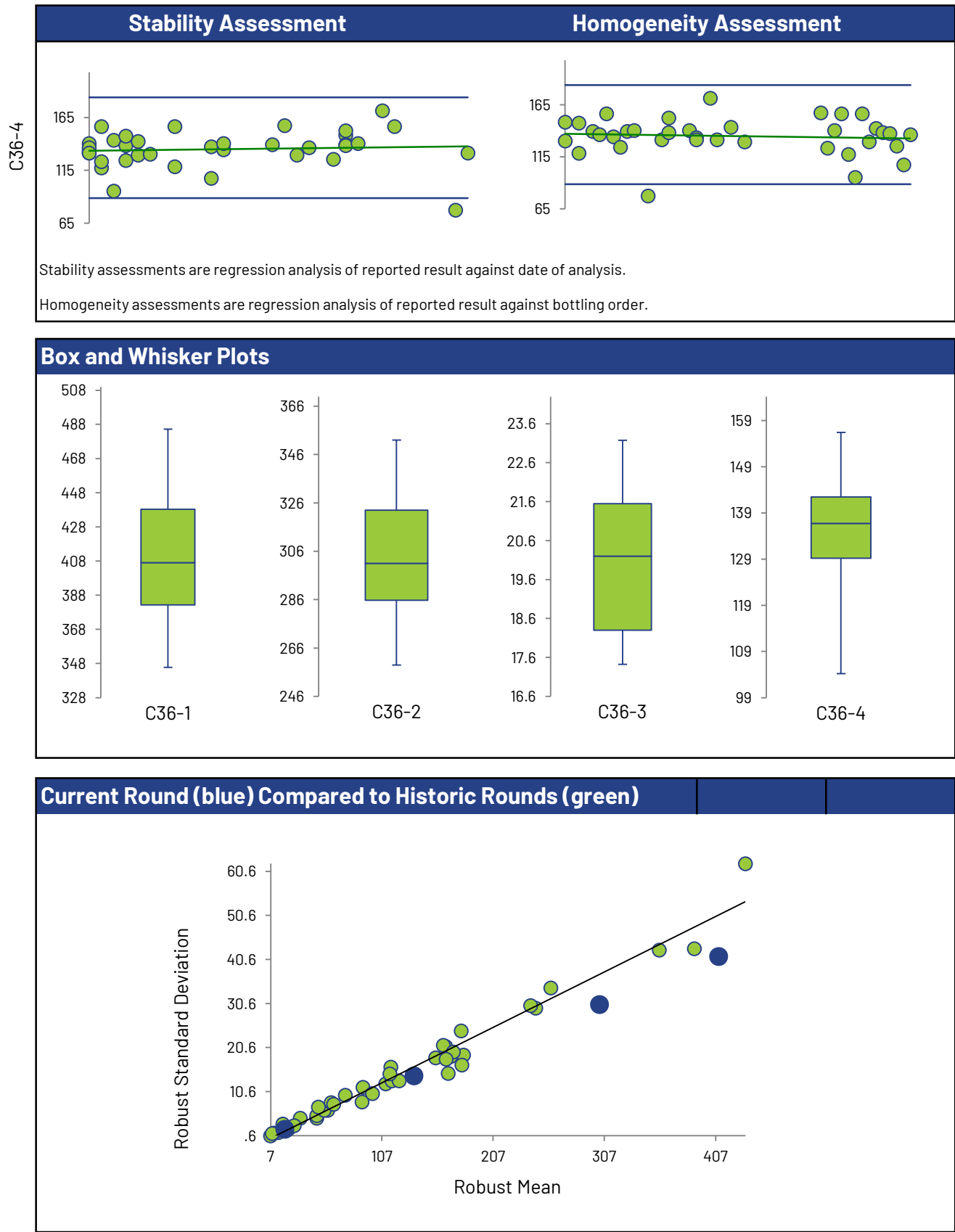


* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

Bromodichloromethane



Bromodichloromethane



Bromoform

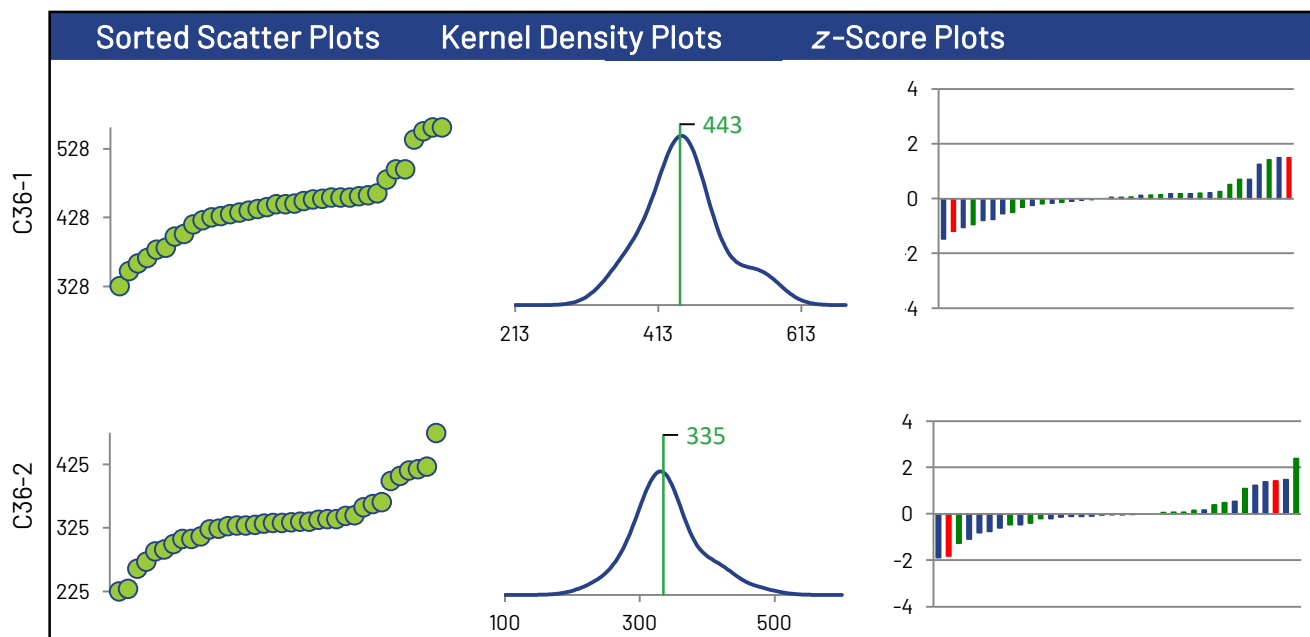
Summary Statistics

Statistic	C36-1	C36-2	C36-3	C36-4
No. of results used for summary statistics	36	36	36	36
Median µg/g	447	333	22.0	147
Robust Mean µg/g	443	335	22.2	148
Uncertainty of the Assigned Value µg/g	10.0	9.27	0.675	4.96
Robust Standard Deviation µg/g	48.0	44.5	3.24	23.8
Regression Standard Deviation µg/g	77.5	58.6	3.89	25.9
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) µg/g	77.5	58.6	3.89	25.9
Flagged Outliers	0	0	0	0
$ z > 3.0$	0	0	0	0
$2 < z < 3$	0	1	1	1
Failure Rate %*	0.0			

Methods Used

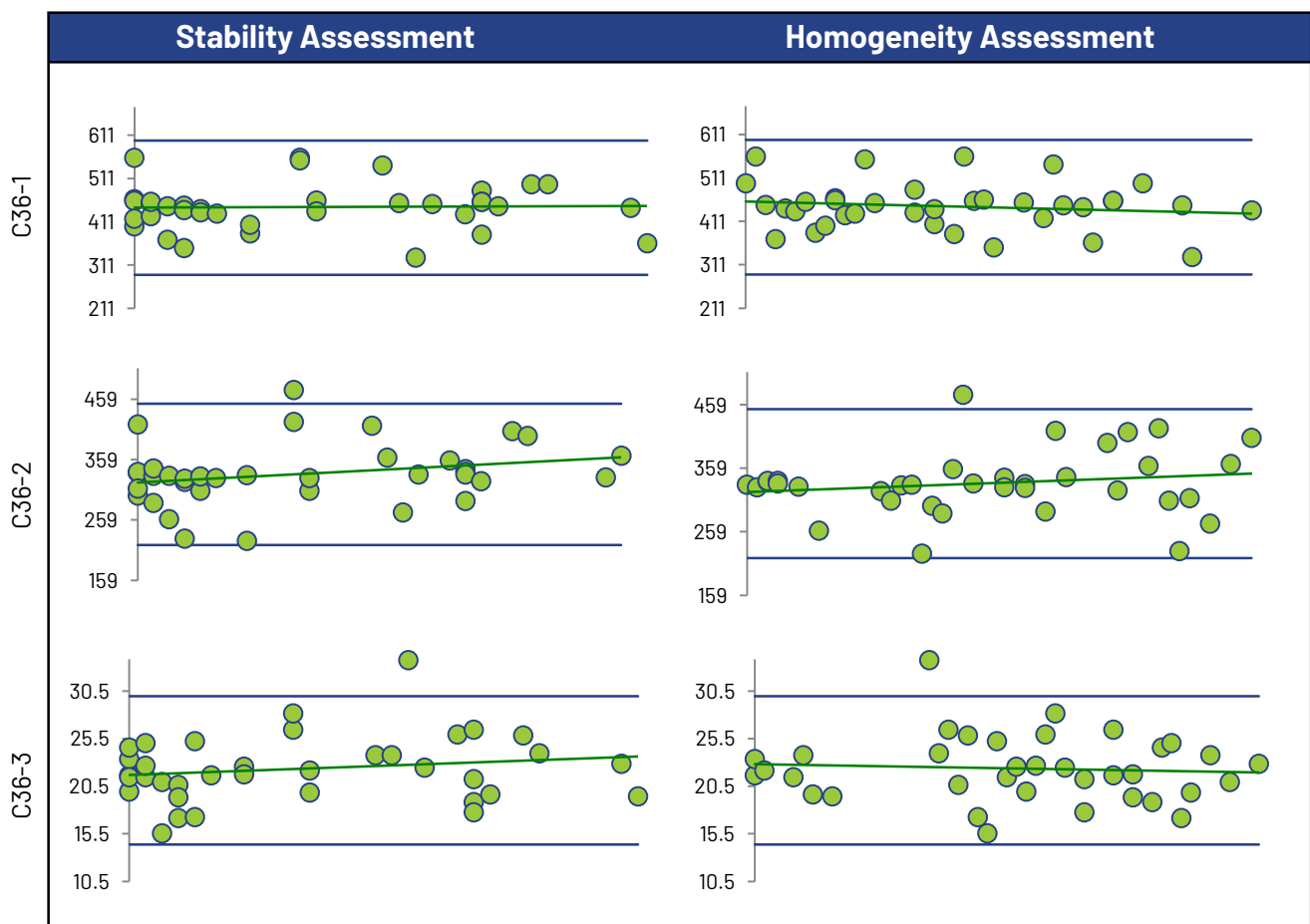
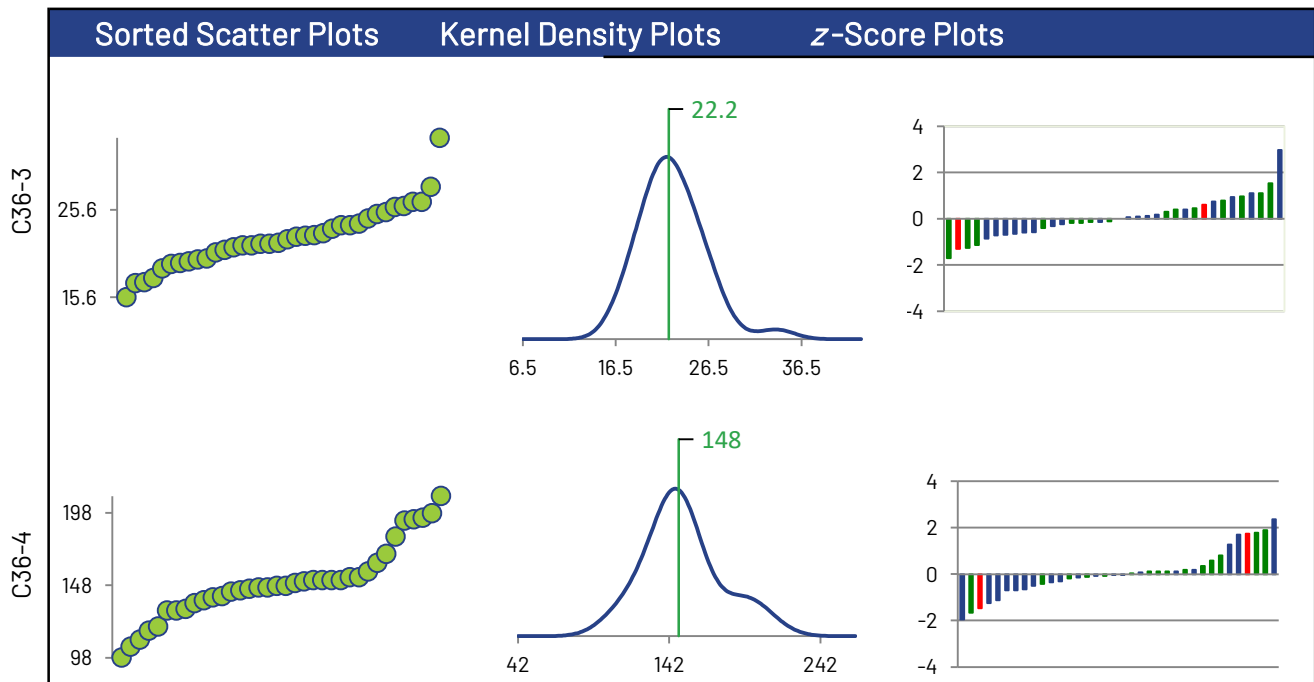
Method	C36-1	C36-2	C36-3	C36-4
GC/MS - PURGE AND TRAP (Blue)	19	19	19	19
GC/MS (Red)	2	2	2	2
GC/MS - HEADSPACE (Green)	15	15	15	15

All summary stats, except the failure rate, and the plots below are based on the data excluding any flagged outliers

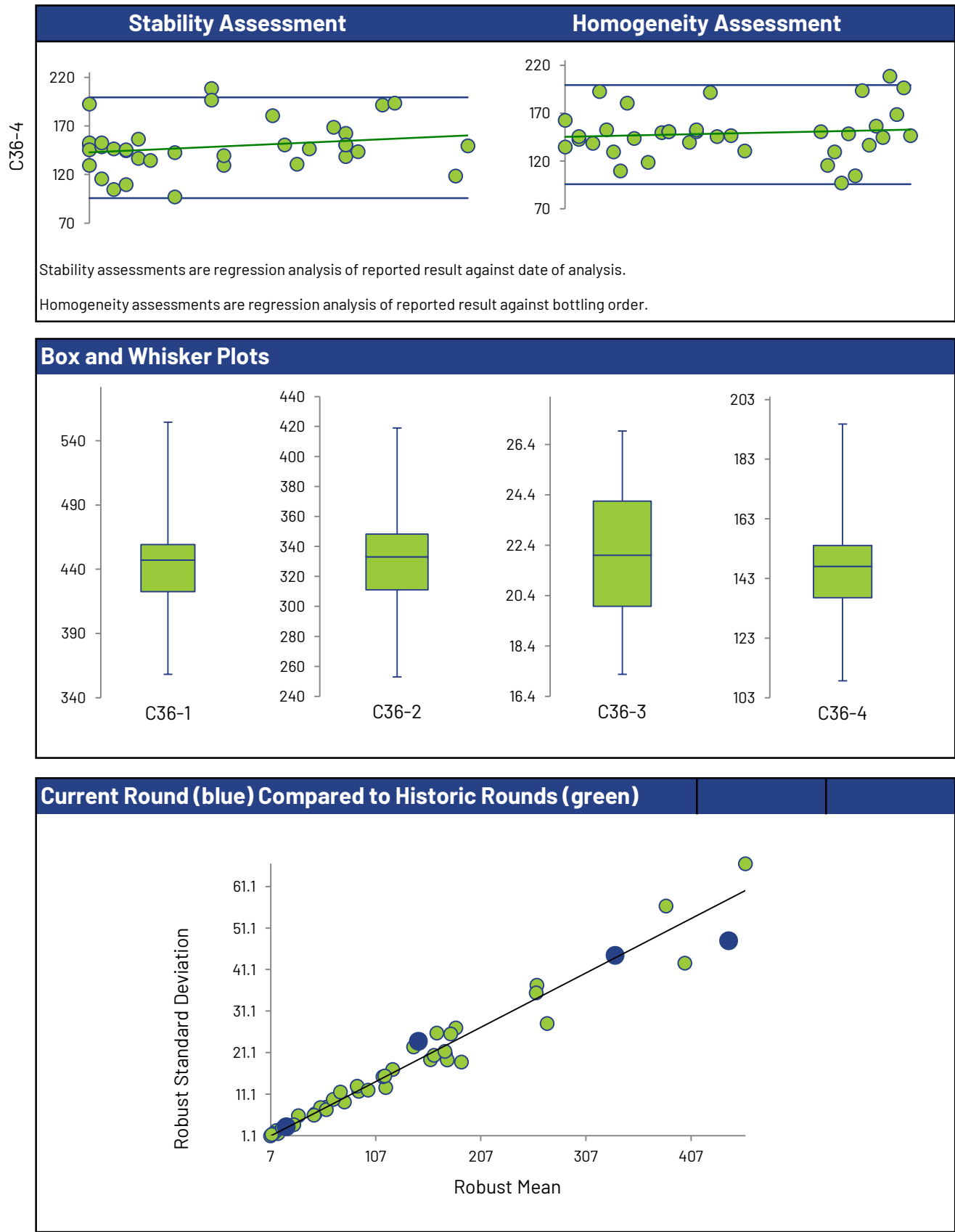


* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

Bromoform



Bromoform



Carbon tetrachloride

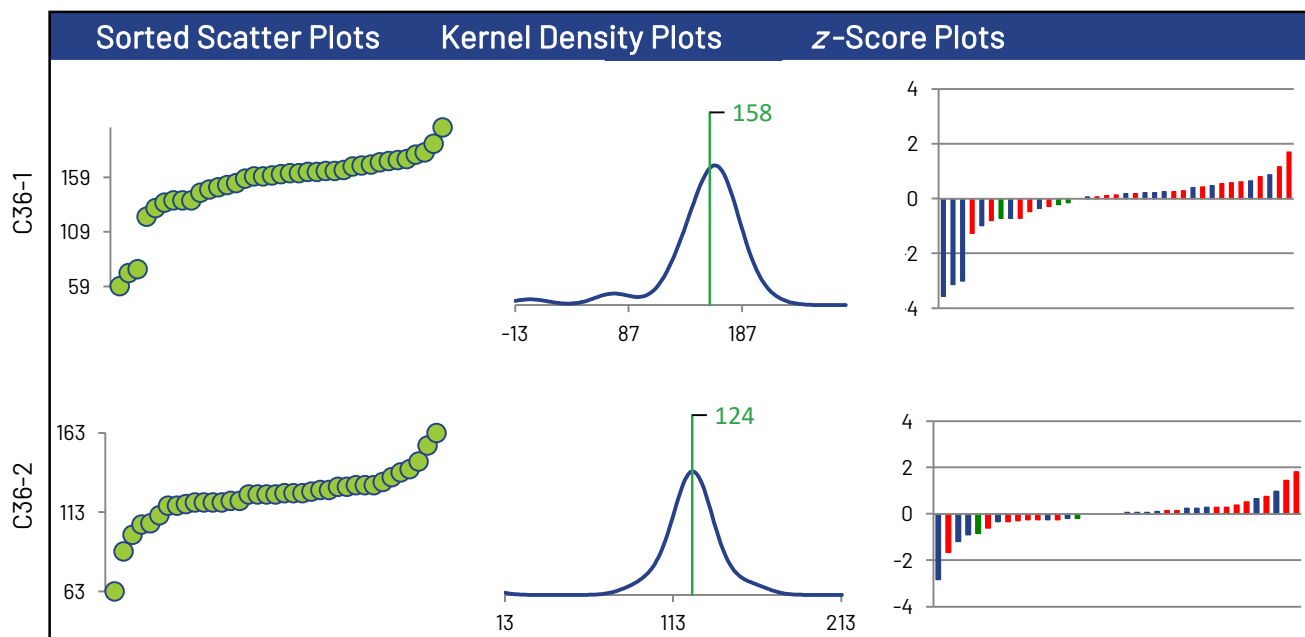
Summary Statistics

Statistic	C36-1	C36-2	C36-3	C36-4
No. of results used for summary statistics	37	37	37	37
Median µg/g	162	124	8.87	53.9
Robust Mean µg/g	158	124	8.75	53.6
Uncertainty of the Assigned Value µg/g	4.09	2.32	0.238	1.26
Robust Standard Deviation µg/g	19.9	11.3	1.16	6.11
Regression Standard Deviation µg/g	27.6	21.7	1.53	9.38
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) µg/g	27.6	21.7	1.53	9.38
Flagged Outliers	0	0	0	0
$ z > 3.0$	3	0	0	1
$2 < z < 3$	0	1	2	1
Failure Rate %*	2.7			

Methods Used

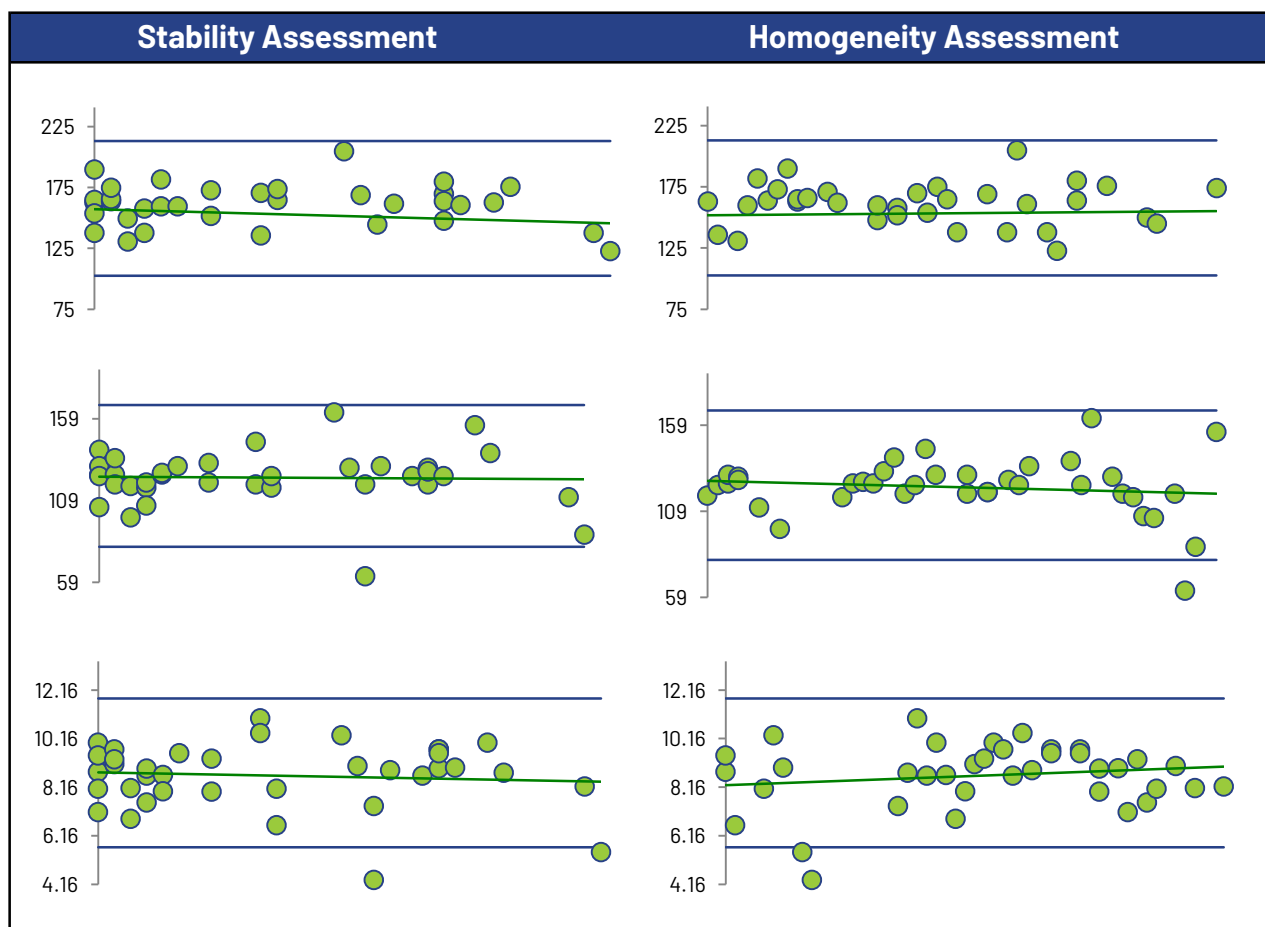
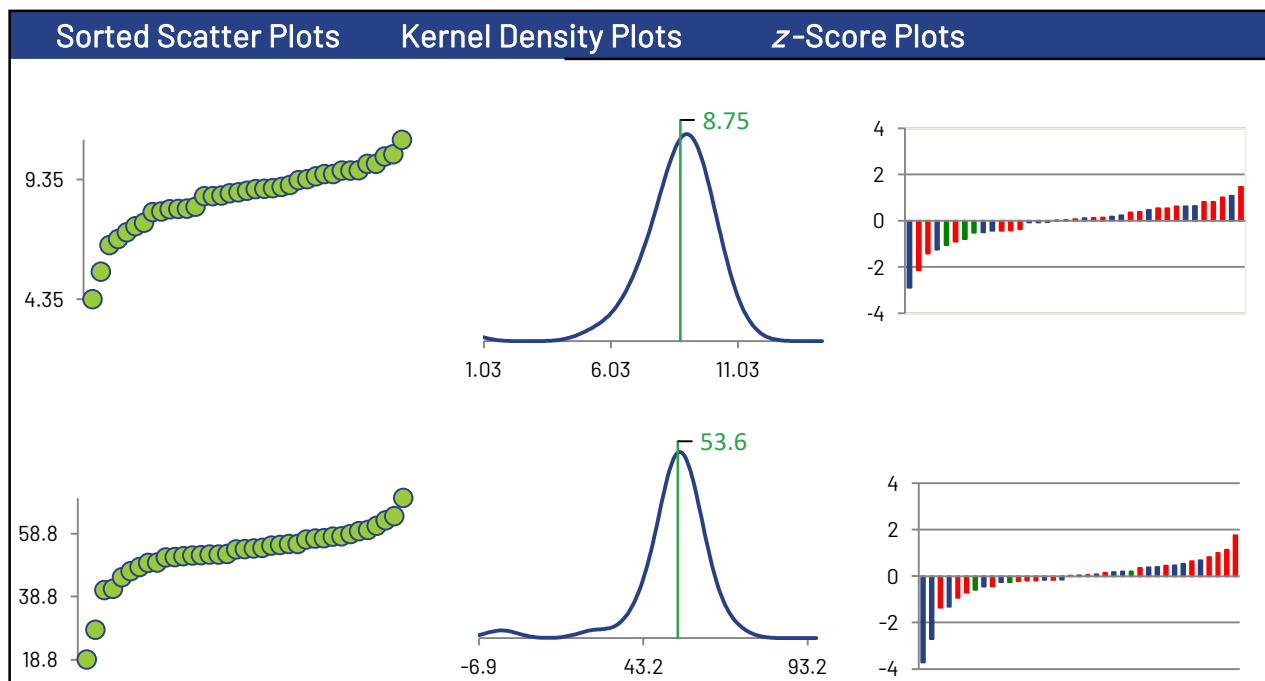
Method	C36-1	C36-2	C36-3	C36-4
GC/MS - HEADSPACE (Blue)	16	16	16	16
GC/MS - PURGE AND TRAP (Red)	18	18	18	18
GC/MS (Green)	3	3	3	3

All summary stats, except the failure rate, and the plots below are based on the data excluding any flagged outliers

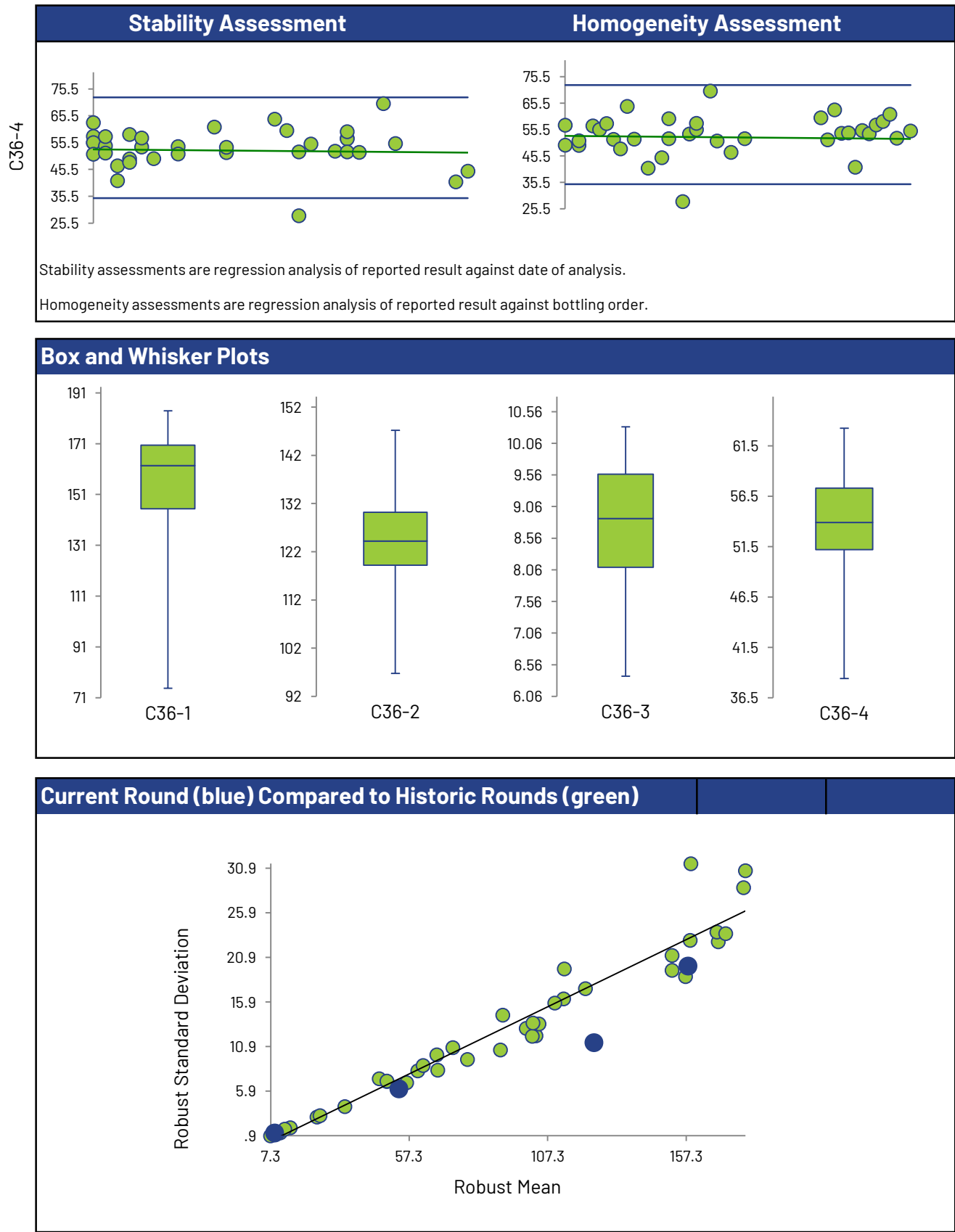


* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

Carbon tetrachloride



Carbon tetrachloride



Chlorobenzene

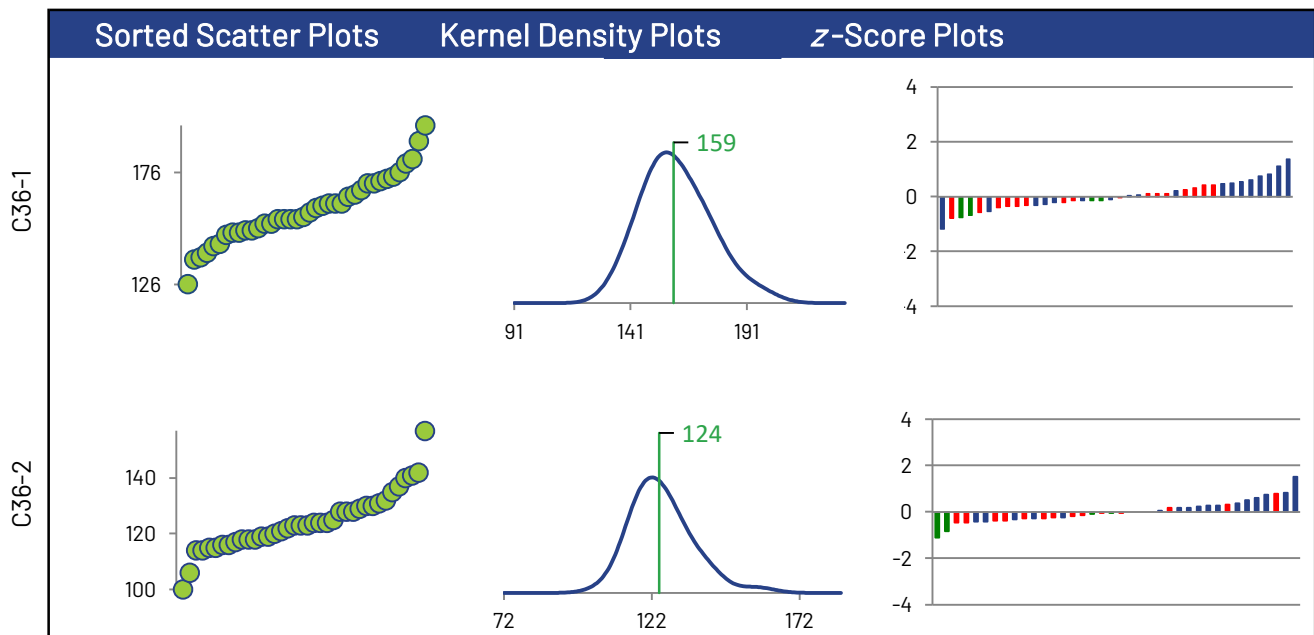
Summary Statistics

Statistic	C36-1	C36-2	C36-3	C36-4
No. of results used for summary statistics	38	38	38	38
Median µg/g	157	123	9.12	53.8
Robust Mean µg/g	159	124	9.10	54.0
Uncertainty of the Assigned Value µg/g	2.98	1.85	0.162	0.931
Robust Standard Deviation µg/g	14.7	9.12	0.798	4.59
Regression Standard Deviation µg/g	27.8	21.7	1.59	9.46
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) µg/g	27.8	21.7	1.59	9.46
Flagged Outliers	0	0	0	0
$ z > 3.0$	0	0	0	0
$2 < z < 3$	0	0	0	1
Failure Rate %*	0.0			

Methods Used

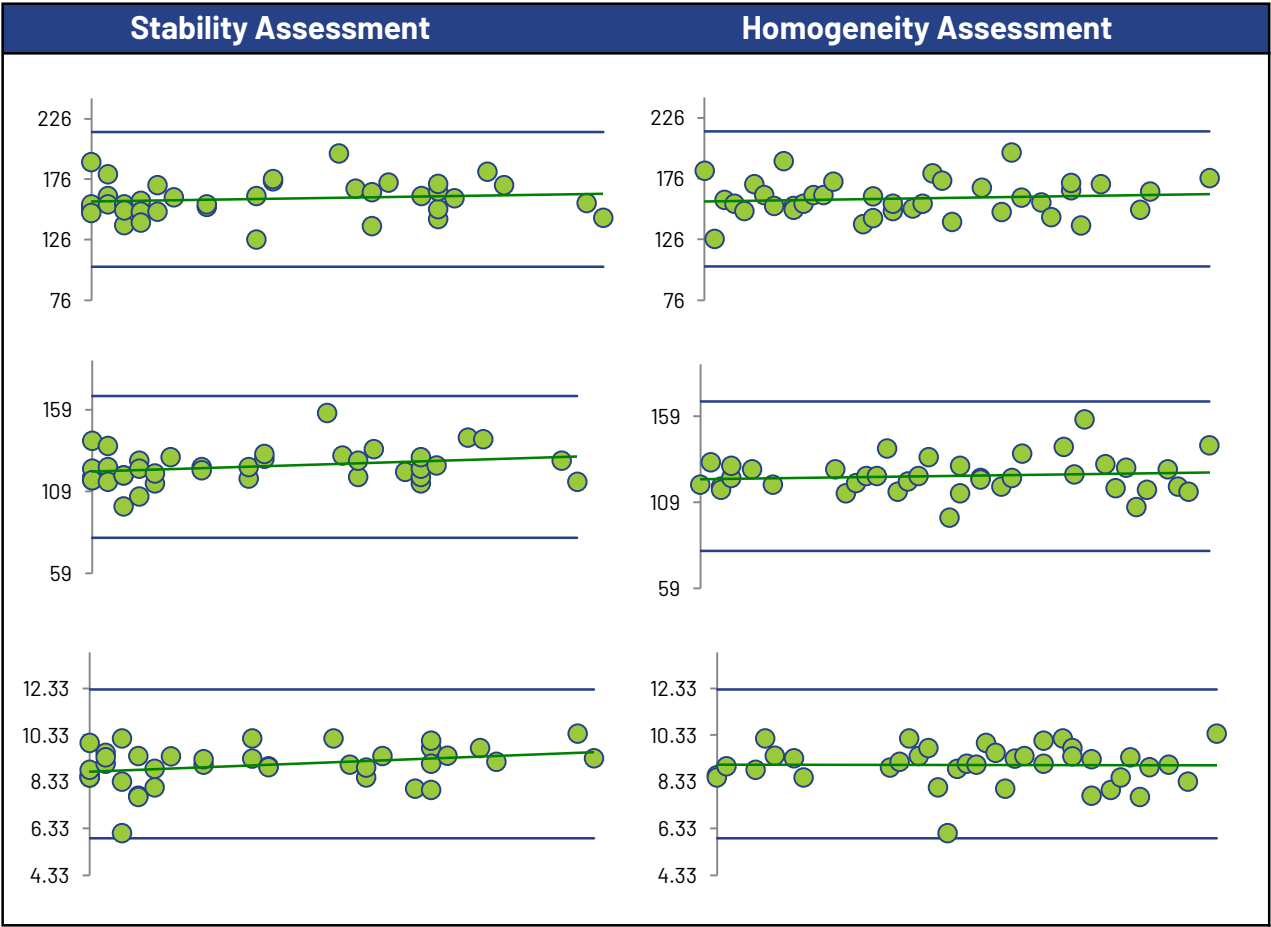
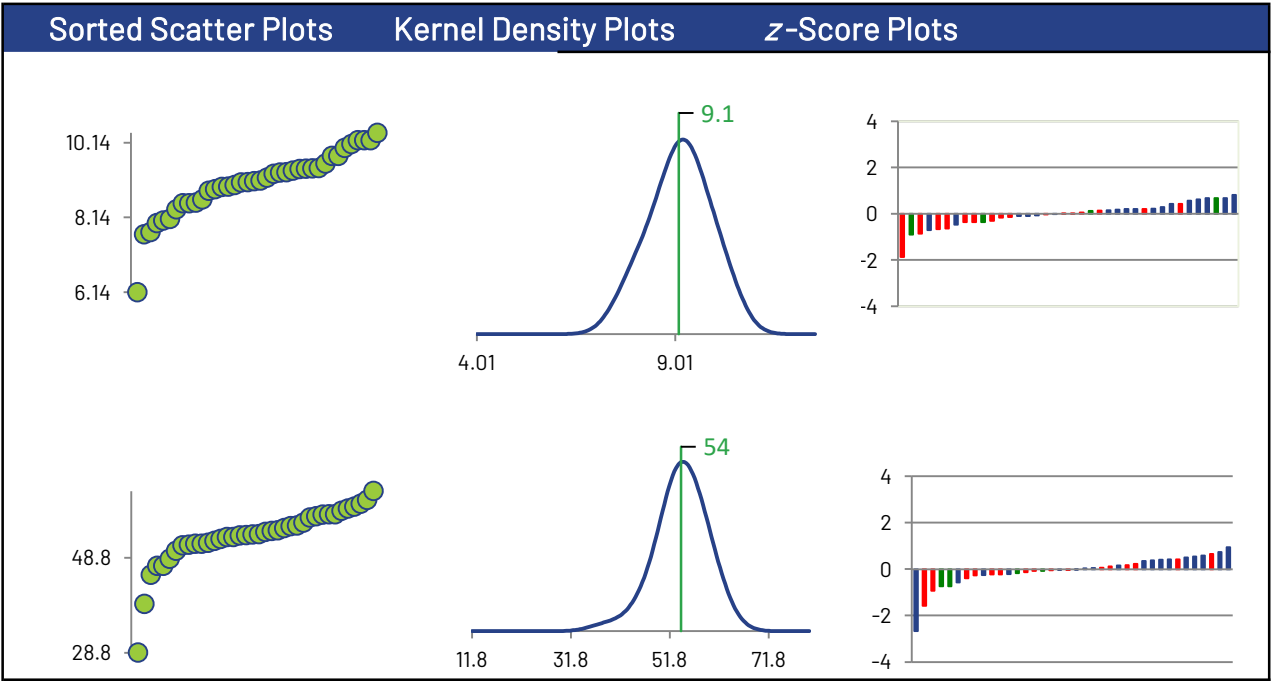
Method	C36-1	C36-2	C36-3	C36-4
GC/MS - PURGE AND TRAP (Blue)	18	18	18	18
GC/MS - HEADSPACE (Red)	16	16	16	16
GC/MS (Green)	4	4	4	4

All summary stats, except the failure rate, and the plots below are based on the data excluding any flagged outliers

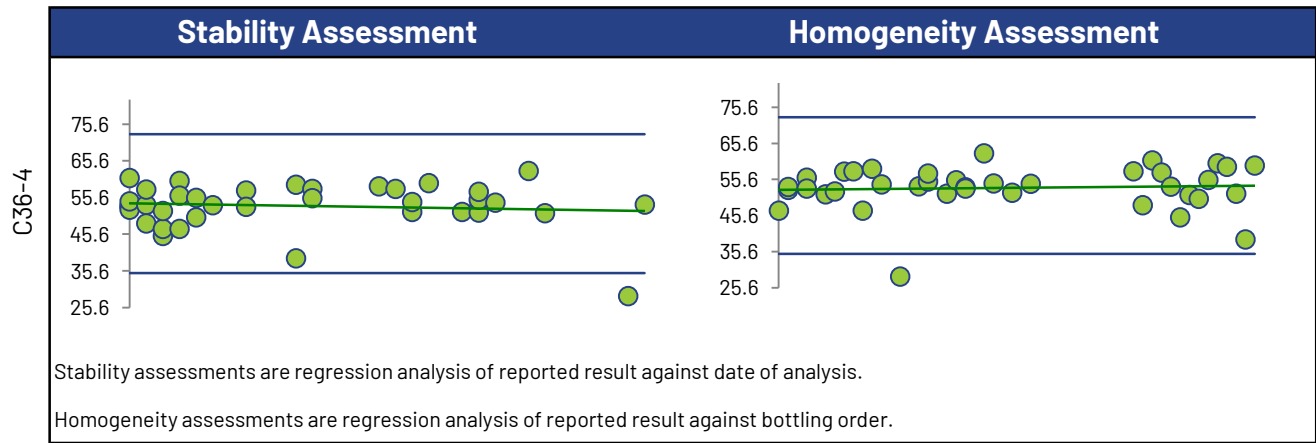


* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

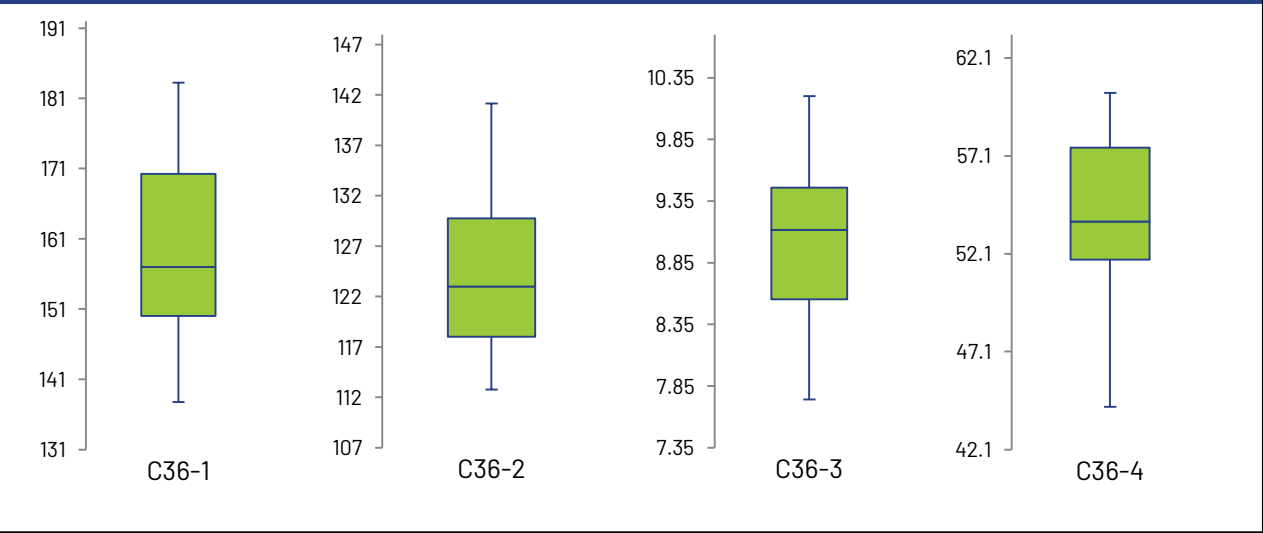
Chlorobenzene



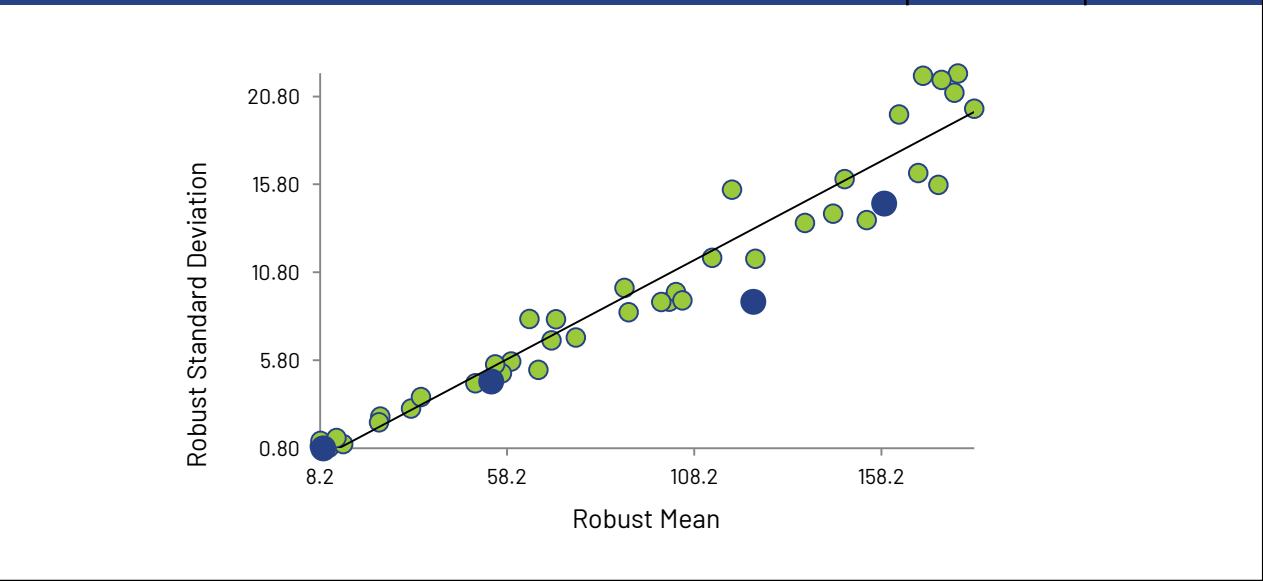
Chlorobenzene



Box and Whisker Plots



Current Round (blue) Compared to Historic Rounds (green)



Chlorodibromomethane

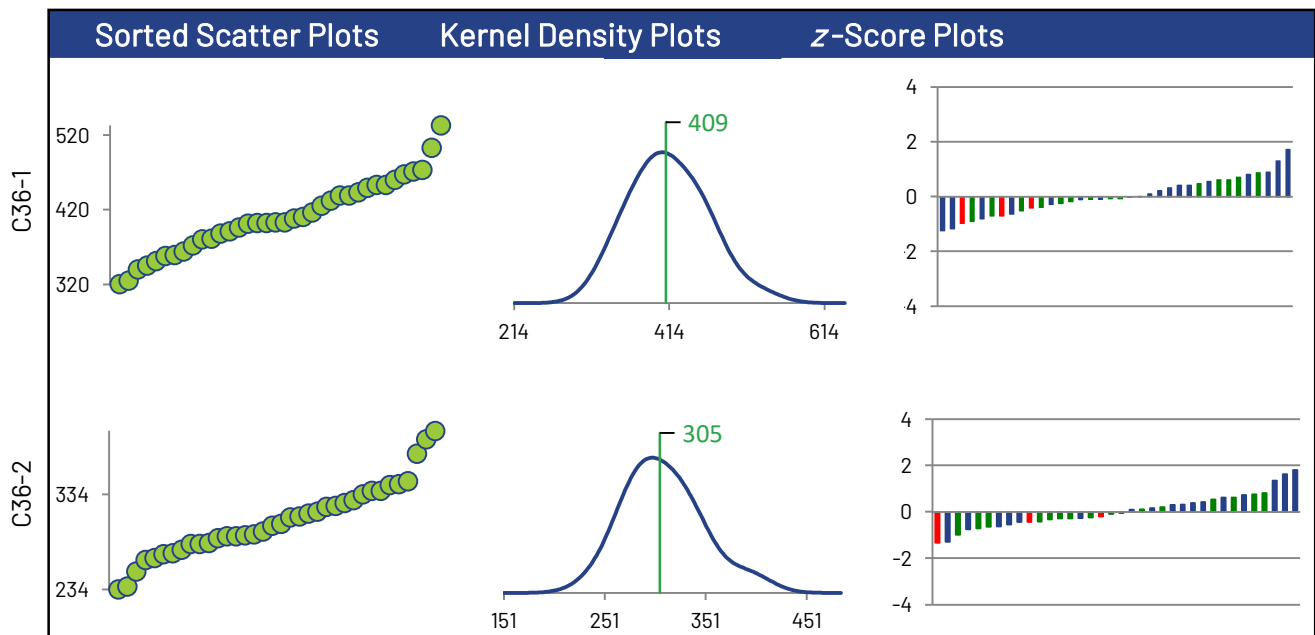
Summary Statistics

Statistic	C36-1	C36-2	C36-3	C36-4
No. of results used for summary statistics	36	36	36	36
Median µg/g	403	302	20.4	134
Robust Mean µg/g	409	305	20.3	135
Uncertainty of the Assigned Value µg/g	10.5	7.60	0.398	3.81
Robust Standard Deviation µg/g	50.6	36.5	1.91	18.3
Regression Standard Deviation µg/g	71.5	53.3	3.55	23.7
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) µg/g	71.5	53.3	3.55	23.7
Flagged Outliers	0	0	0	0
$ z > 3.0$	0	0	0	0
$2 < z < 3$	0	0	0	0
Failure Rate %*	0.0			

Methods Used

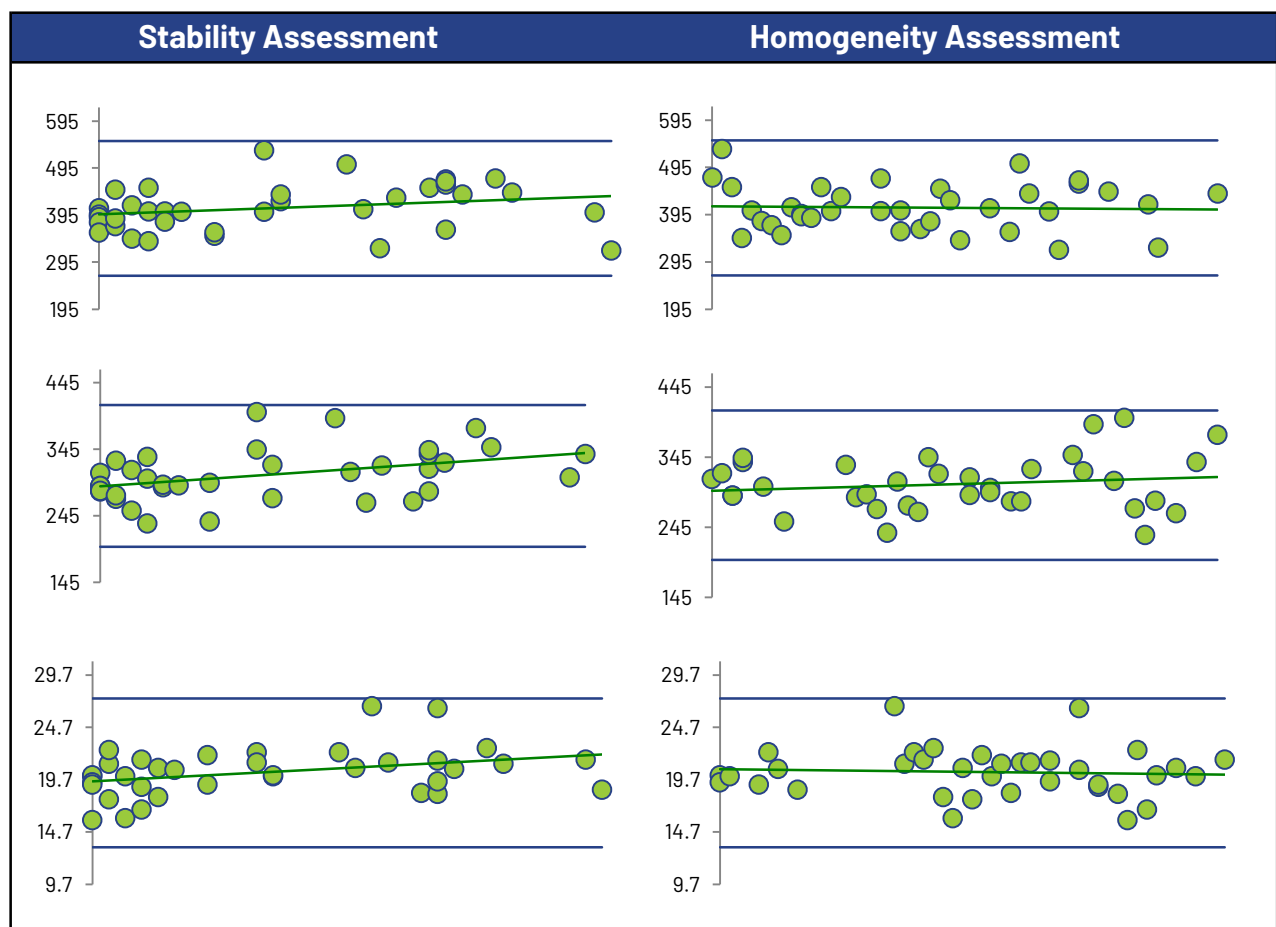
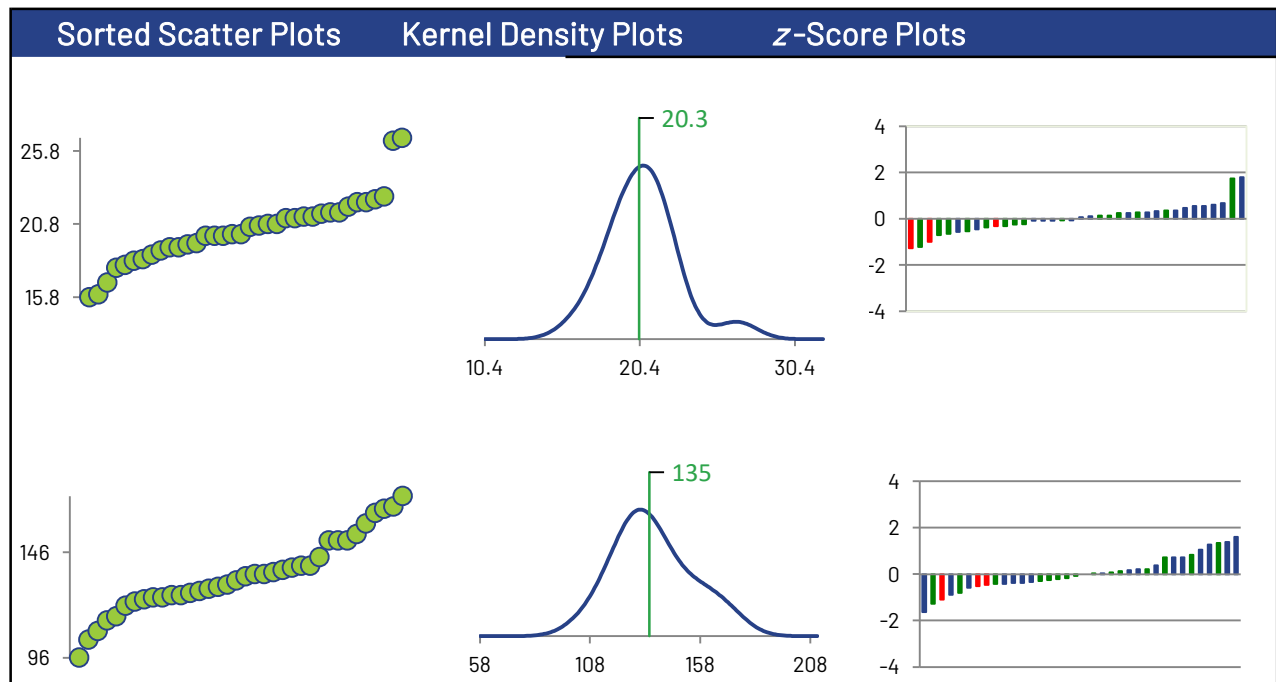
Method	C36-1	C36-2	C36-3	C36-4
GC/MS - PURGE AND TRAP (Blue)	18	18	18	18
GC/MS (Red)	3	3	3	3
GC/MS - HEADSPACE (Green)	15	15	15	15

All summary stats, except the failure rate, and the plots below are based on the data excluding any flagged outliers

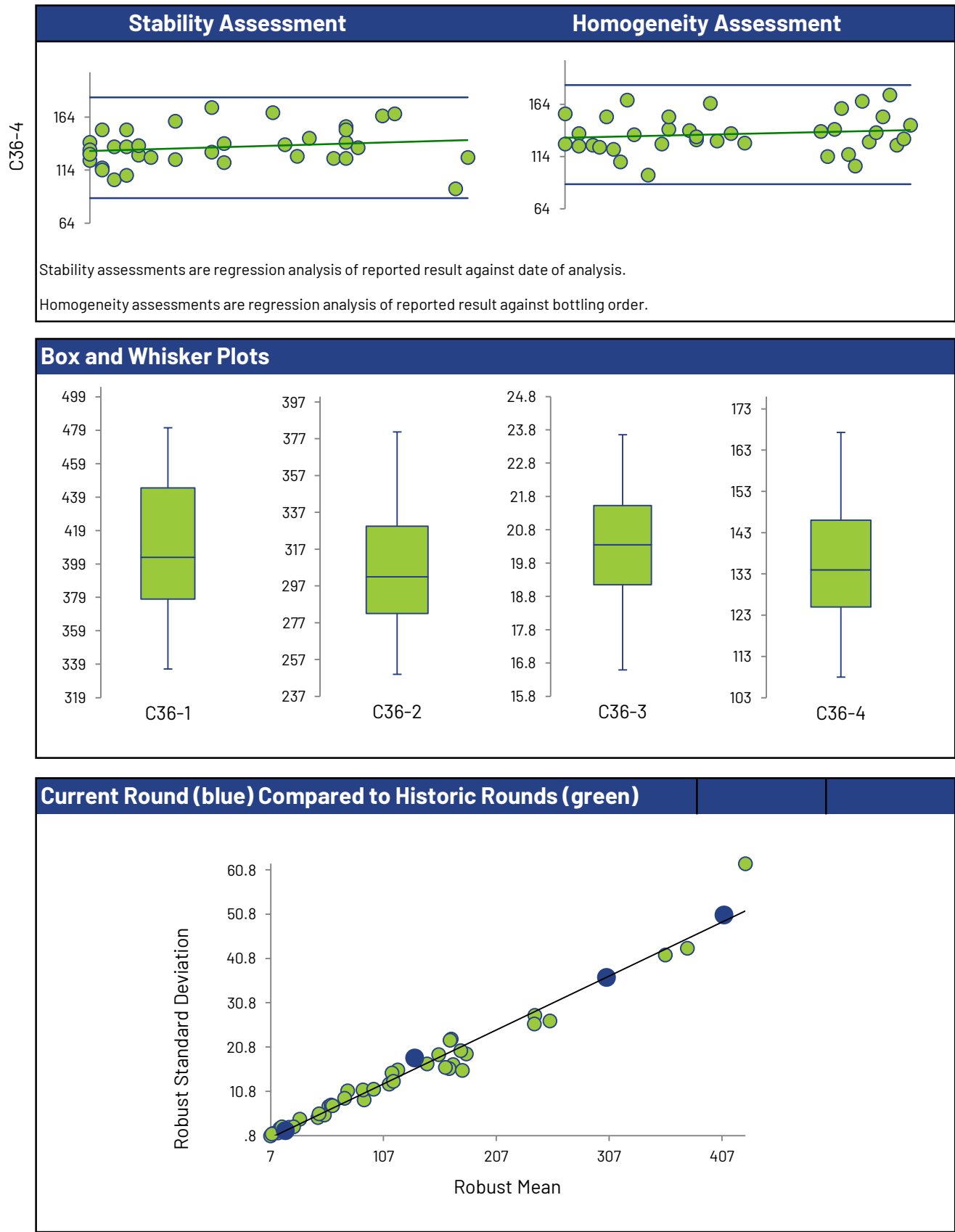


* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

Chlorodibromomethane



Chlorodibromomethane



Chloroform

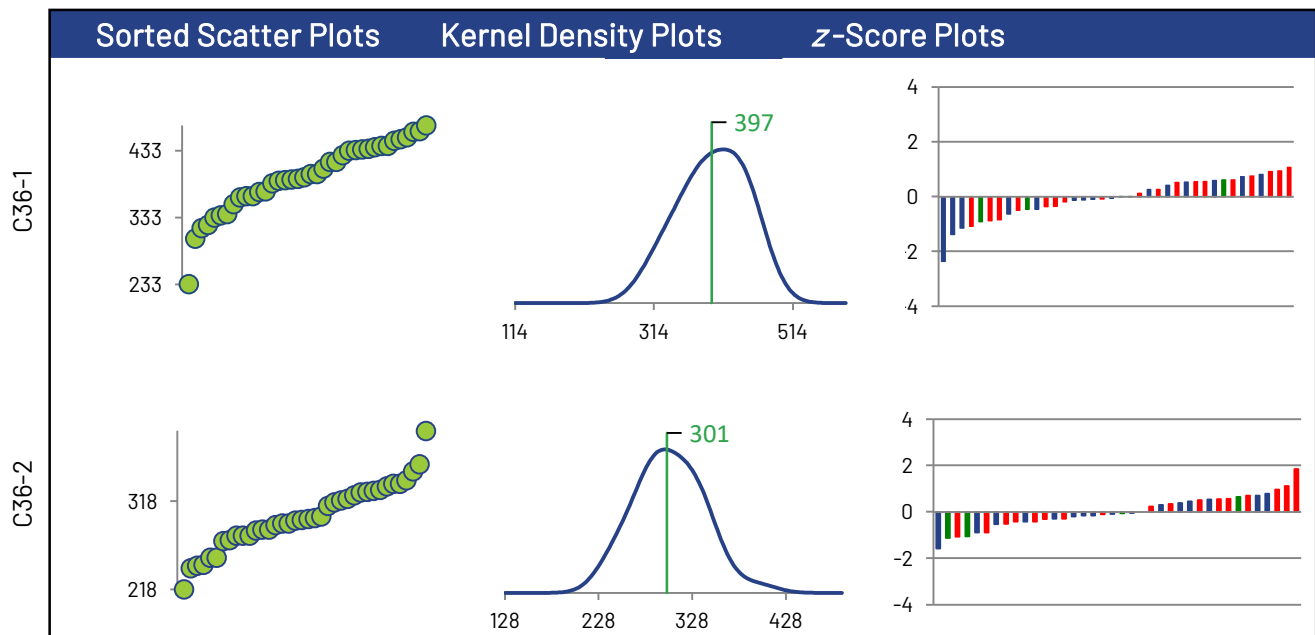
Summary Statistics

Statistic	C36-1	C36-2	C36-3	C36-4
No. of results used for summary statistics	38	38	38	38
Median µg/g	396	298	21.0	135
Robust Mean µg/g	397	301	20.8	135
Uncertainty of the Assigned Value µg/g	10.5	7.58	0.408	3.31
Robust Standard Deviation µg/g	51.7	37.4	2.01	16.3
Regression Standard Deviation µg/g	69.4	52.6	3.64	23.6
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) µg/g	69.4	52.6	3.64	23.6
Flagged Outliers	0	0	0	0
$ z > 3.0$	0	0	0	0
$2 < z < 3$	1	0	0	3
Failure Rate %*	0.0			

Methods Used

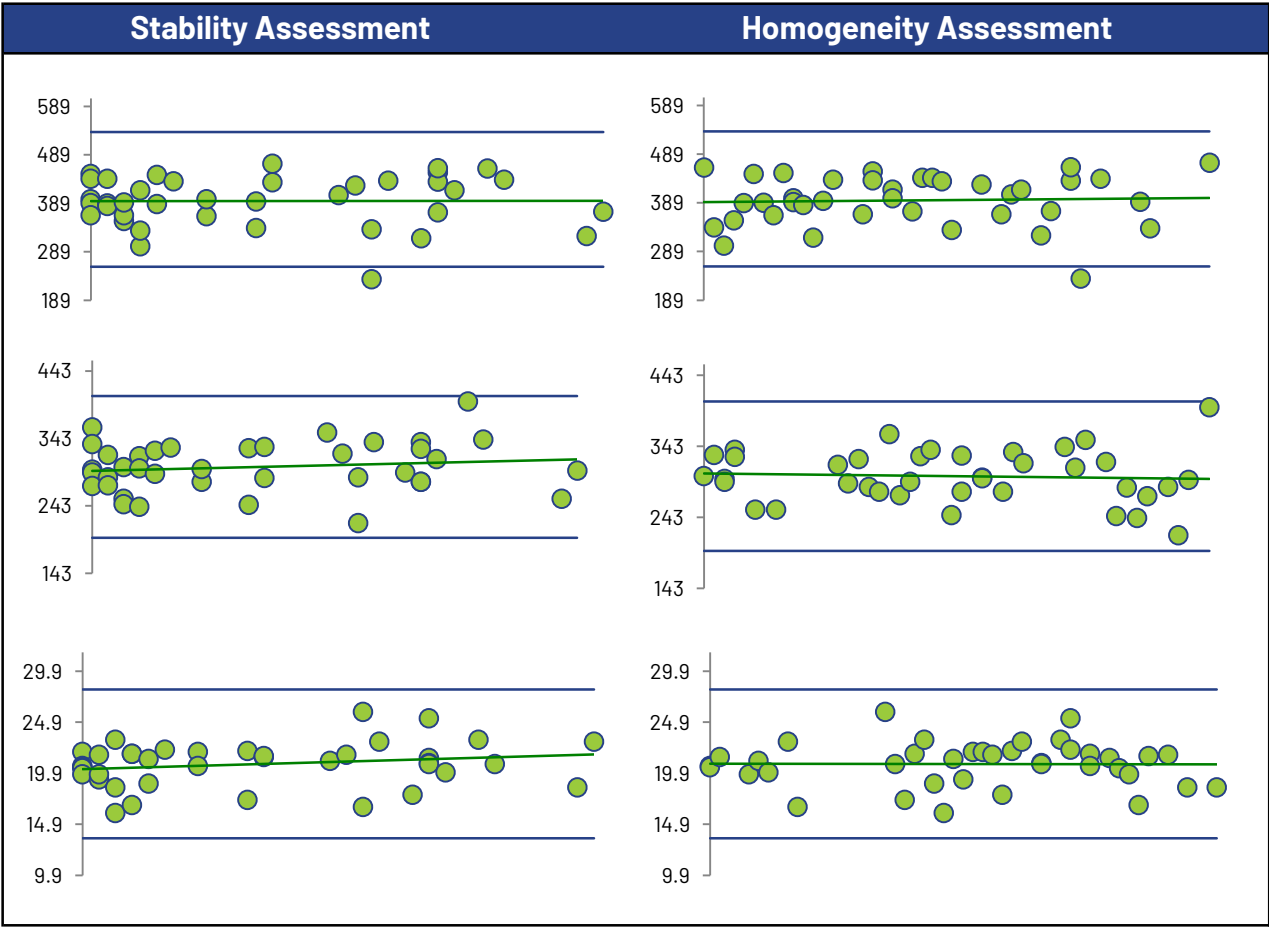
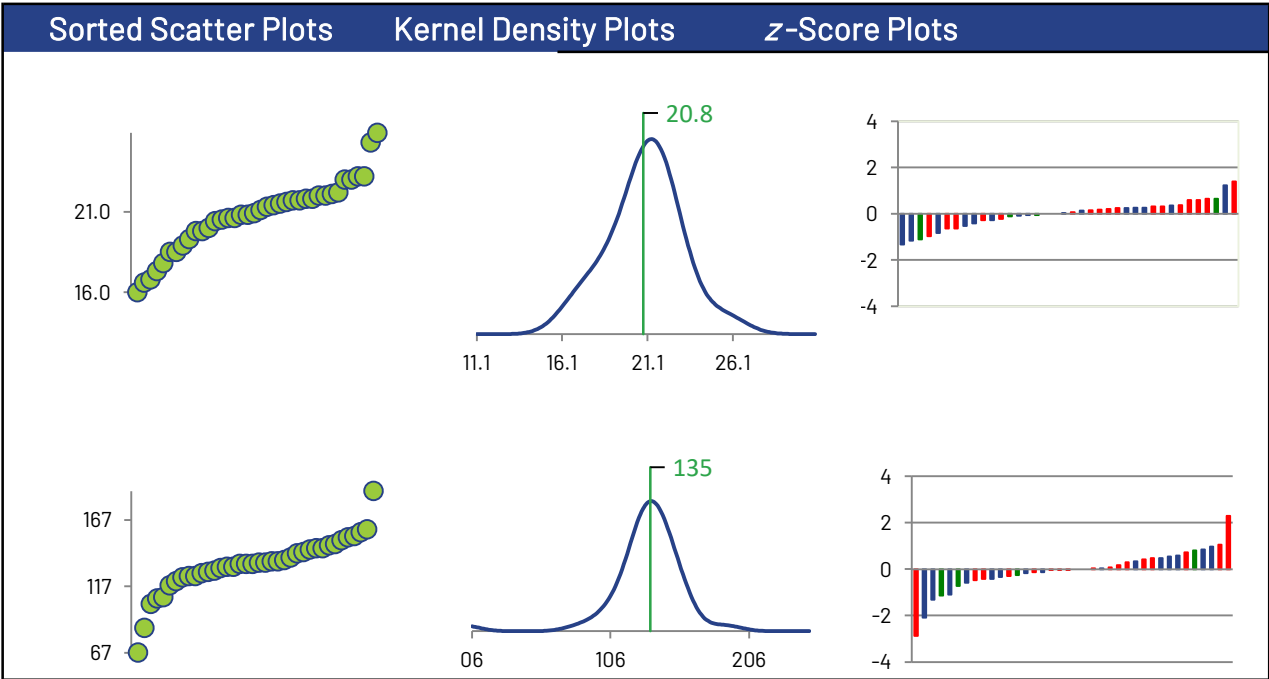
Method	C36-1	C36-2	C36-3	C36-4
GC/MS - HEADSPACE (Blue)	16	16	16	16
GC/MS - PURGE AND TRAP (Red)	18	18	18	18
GC/MS (Green)	4	4	4	4

All summary stats, except the failure rate, and the plots below are based on the data excluding any flagged outliers



* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

Chloroform



Chloroform



cis-1,2-Dichloroethylene

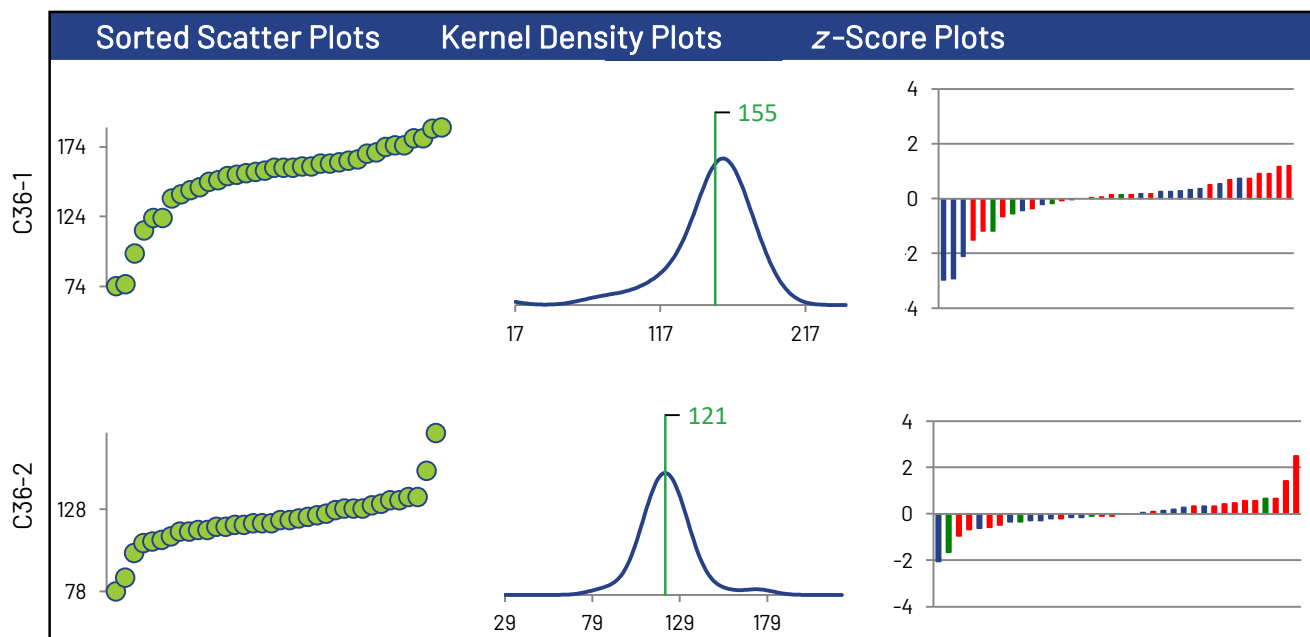
Summary Statistics

Statistic	C36-1	C36-2	C36-3	C36-4
No. of results used for summary statistics	36	36	36	35
Median µg/g	159	120	9.07	53.7
Robust Mean µg/g	155	121	9.00	53.8
Uncertainty of the Assigned Value µg/g	4.38	2.29	0.176	1.11
Robust Standard Deviation µg/g	21.0	11.0	0.843	5.24
Regression Standard Deviation µg/g	27.2	21.2	1.58	9.42
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) µg/g	27.2	21.2	1.58	9.42
Flagged Outliers	0	0	0	1
$ z > 3.0$	0	0	0	1
$2 < z < 3$	3	2	0	0
Failure Rate %*	2.8			

Methods Used

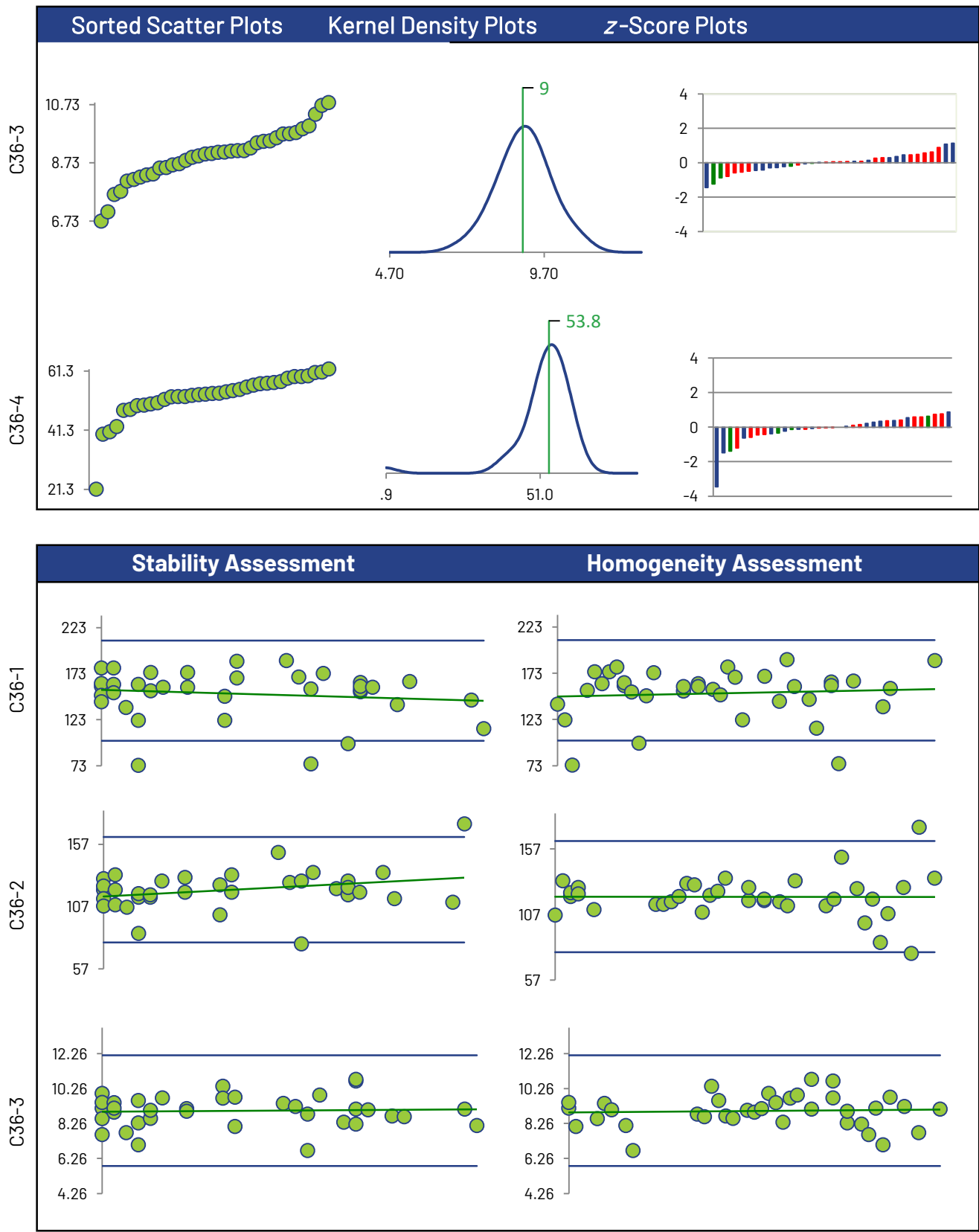
Method	C36-1	C36-2	C36-3	C36-4
GC/MS - HEADSPACE (Blue)	15	15	15	15
GC/MS - PURGE AND TRAP (Red)	17	17	17	16
GC/MS (Green)	4	4	4	4

All summary stats, except the failure rate, and the plots below are based on the data excluding any flagged outliers

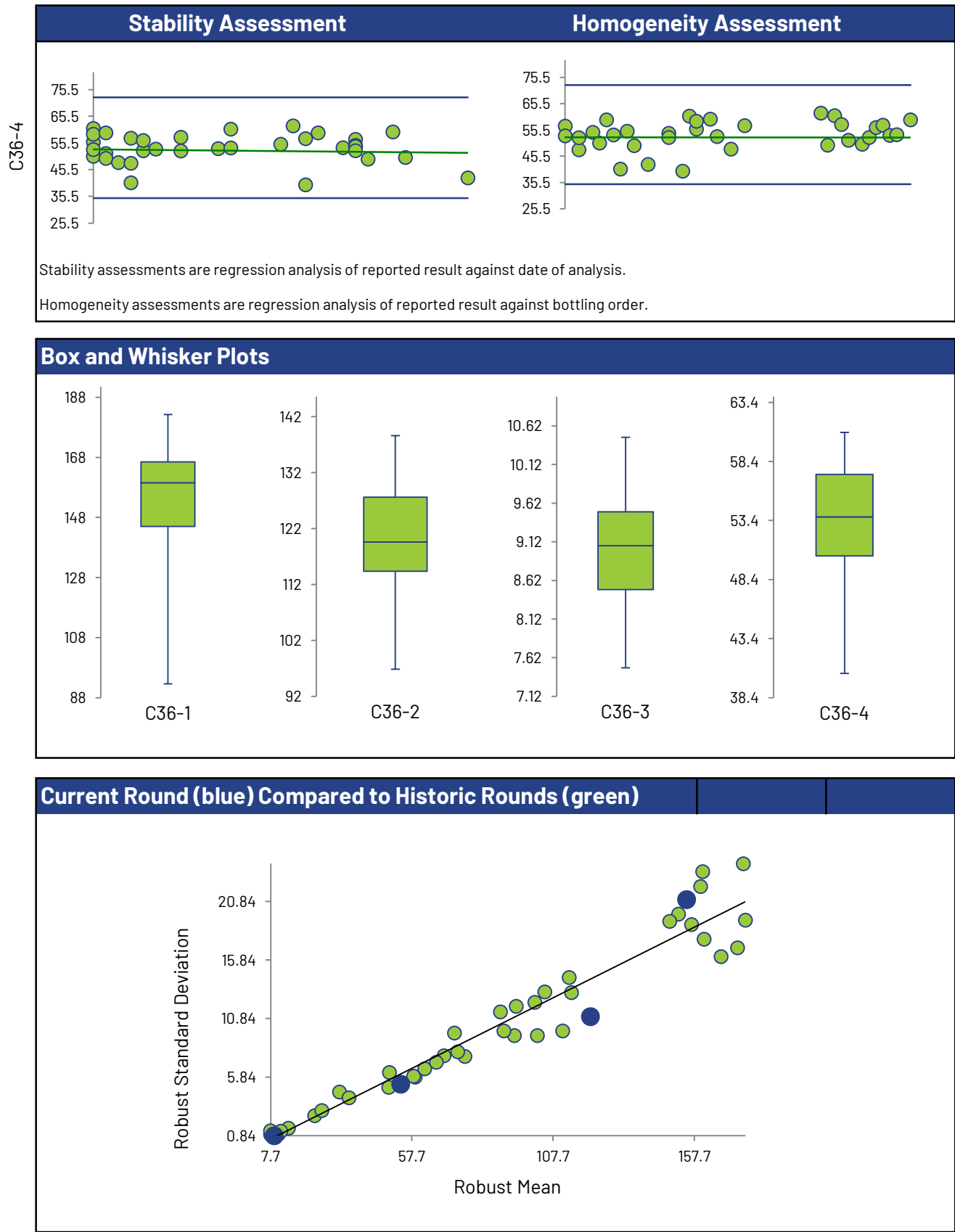


* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

cis-1,2-Dichloroethylene



cis-1,2-Dichloroethylene



cis-1,3-Dichloropropene

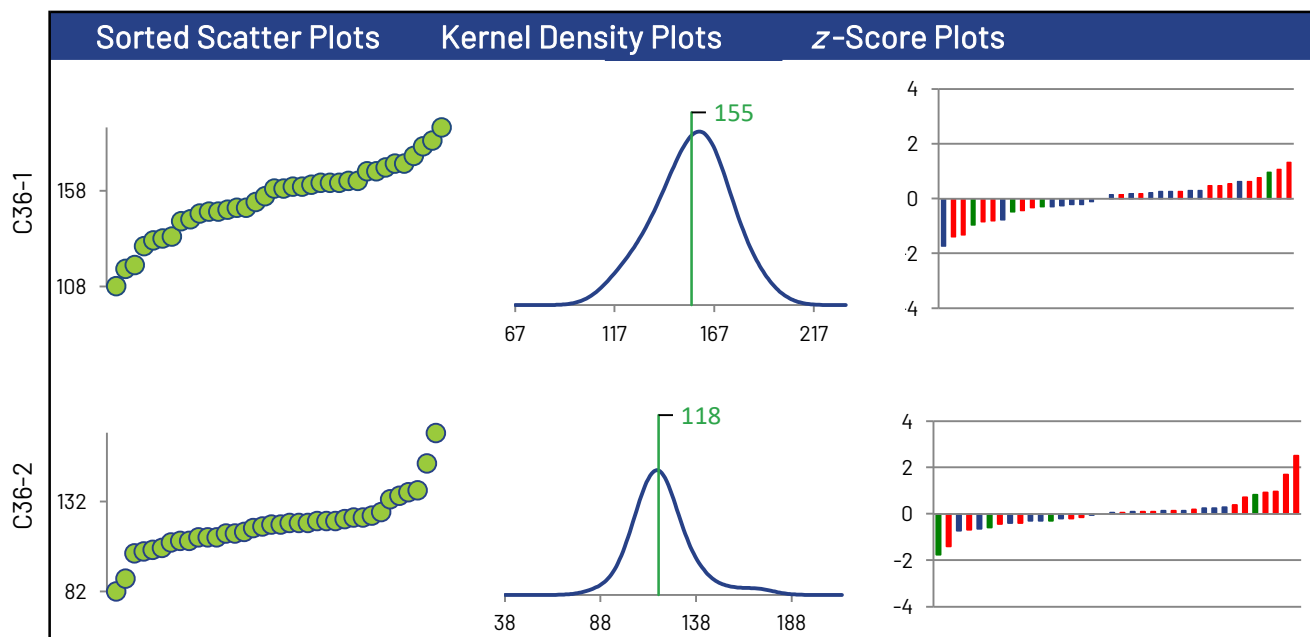
Summary Statistics

Statistic	C36-1	C36-2	C36-3	C36-4
No. of results used for summary statistics	36	36	36	35
Median µg/g	159	119	9.75	51.9
Robust Mean µg/g	155	118	9.71	50.9
Uncertainty of the Assigned Value µg/g	3.85	2.40	0.277	1.41
Robust Standard Deviation µg/g	18.5	11.5	1.33	6.67
Regression Standard Deviation µg/g	27.1	20.7	1.70	8.90
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) µg/g	27.1	20.7	1.70	8.90
Flagged Outliers	0	0	0	1
$ z > 3.0$	0	0	0	0
$2 < z < 3$	0	1	0	1
Failure Rate %*	2.8			

Methods Used

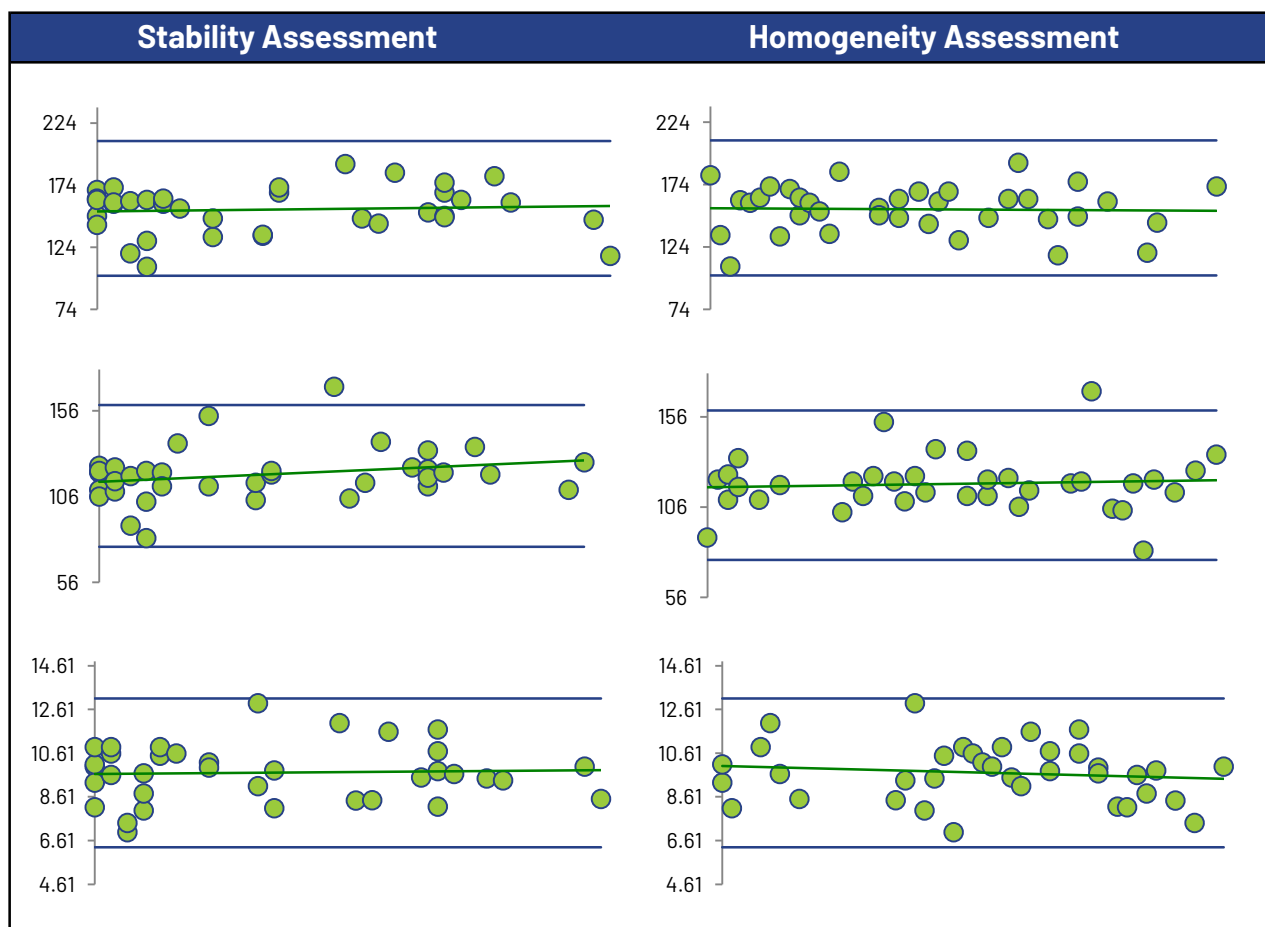
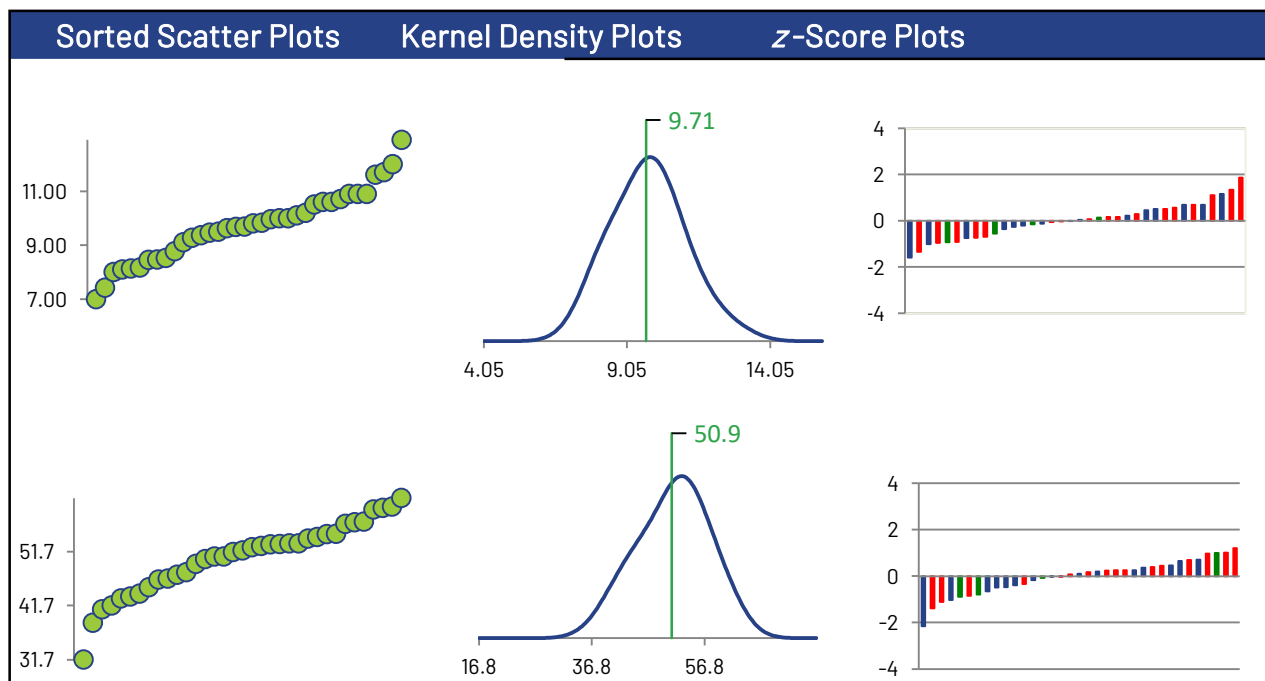
Method	C36-1	C36-2	C36-3	C36-4
GC/MS - HEADSPACE (Blue)	15	15	15	15
GC/MS - PURGE AND TRAP (Red)	17	17	17	16
GC/MS (Green)	4	4	4	4

All summary stats, except the failure rate, and the plots below are based on the data excluding any flagged outliers

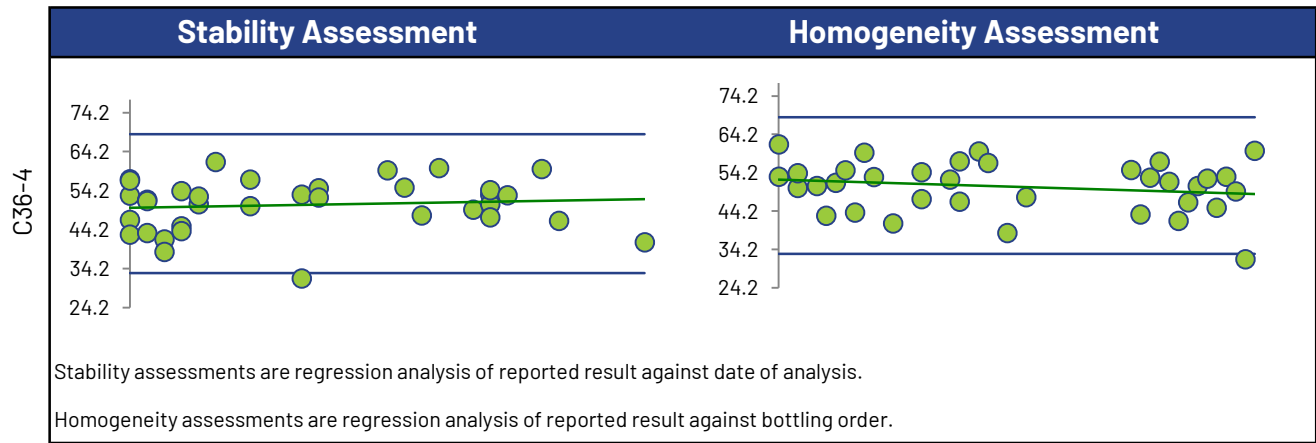


* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

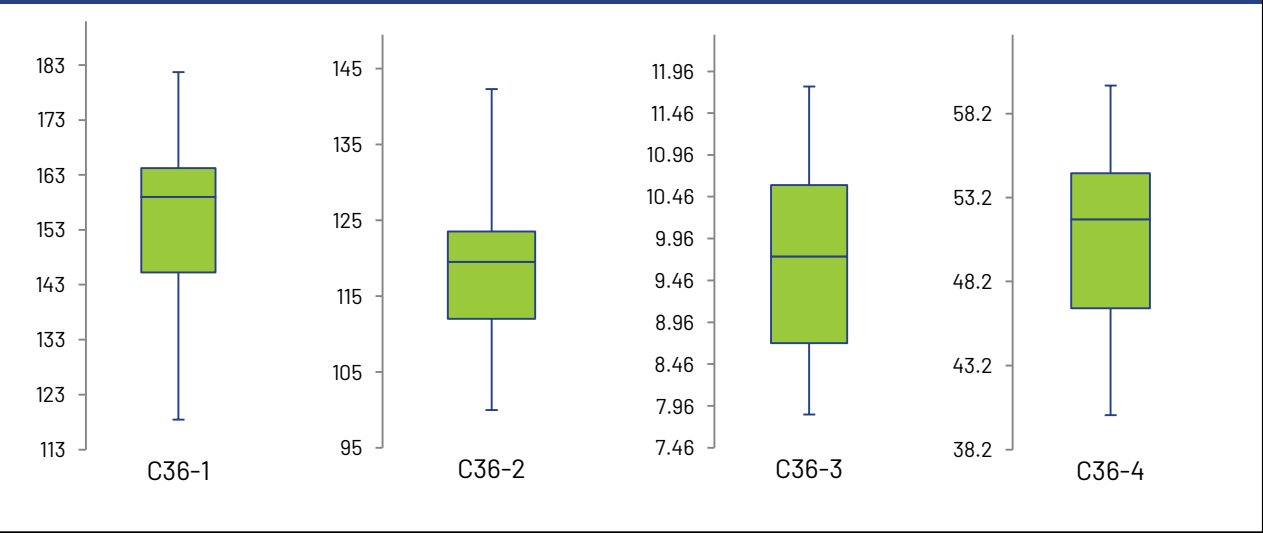
cis-1,3-Dichloropropene



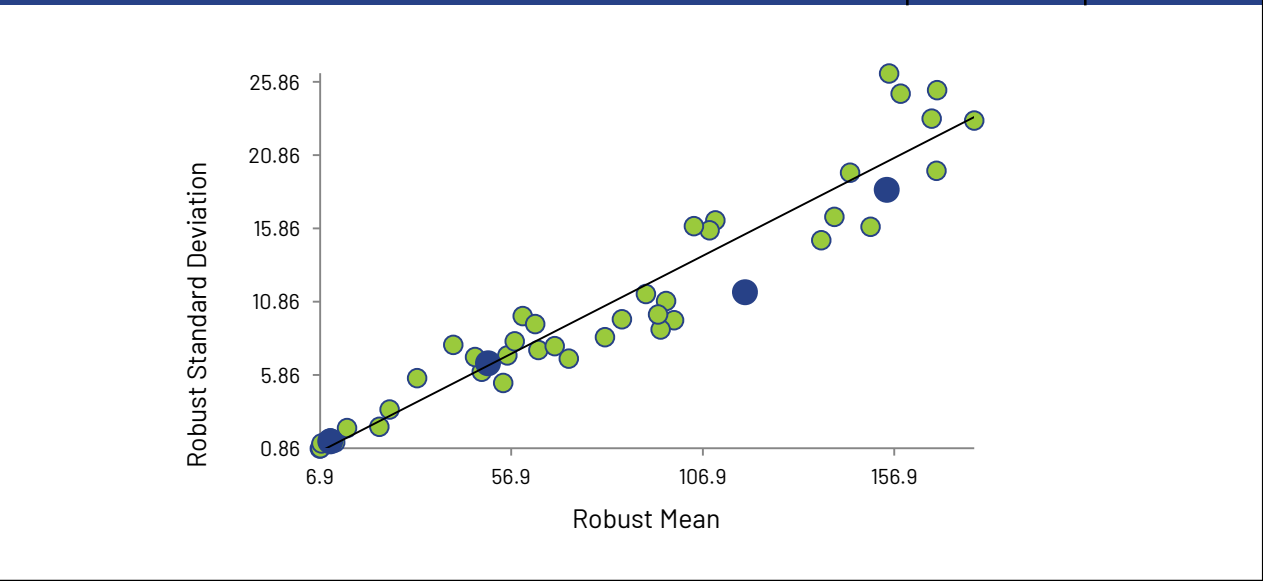
cis-1,3-Dichloropropene



Box and Whisker Plots



Current Round (blue) Compared to Historic Rounds (green)



Dichloromethane

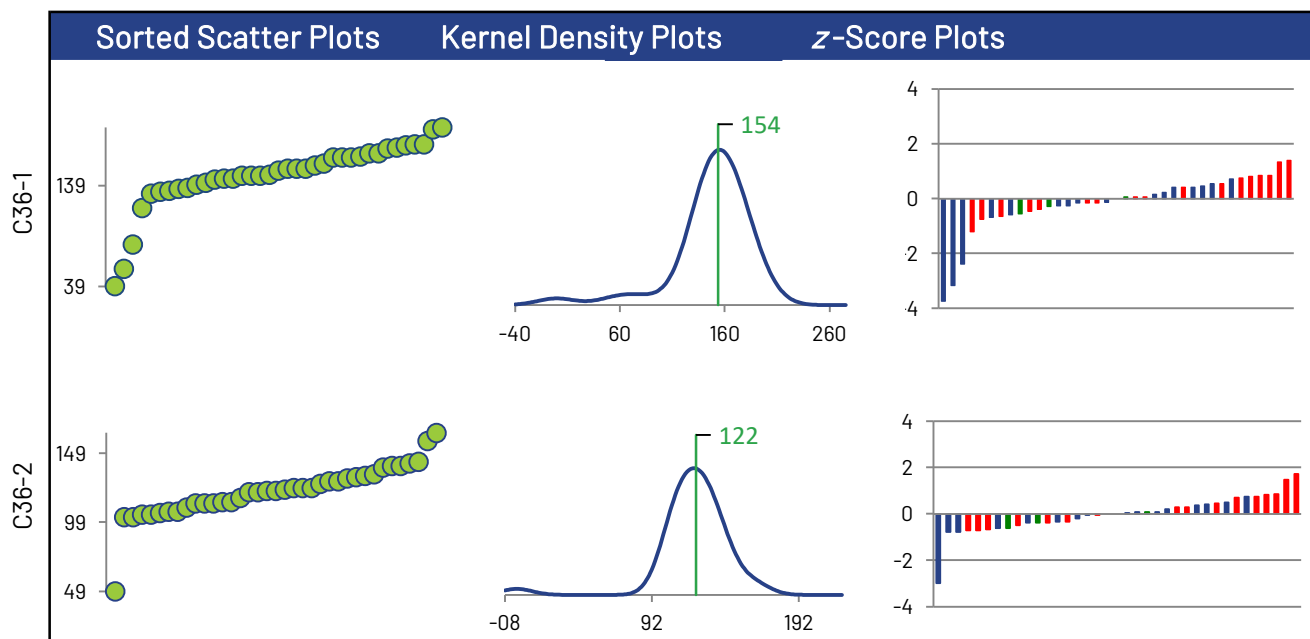
Summary Statistics

Statistic	C36-1	C36-2	C36-3	C36-4
No. of results used for summary statistics	37	37	37	37
Median µg/g	154	122	8.62	54.1
Robust Mean µg/g	154	122	8.56	52.9
Uncertainty of the Assigned Value µg/g	4.52	3.12	0.249	1.60
Robust Standard Deviation µg/g	22.0	15.2	1.21	7.80
Regression Standard Deviation µg/g	30.7	24.4	1.71	10.6
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) µg/g	30.7	24.4	1.71	10.6
Flagged Outliers	0	0	0	0
$ z > 3.0$	2	0	0	1
$2 < z < 3$	1	1	1	1
Failure Rate %*	2.7			

Methods Used

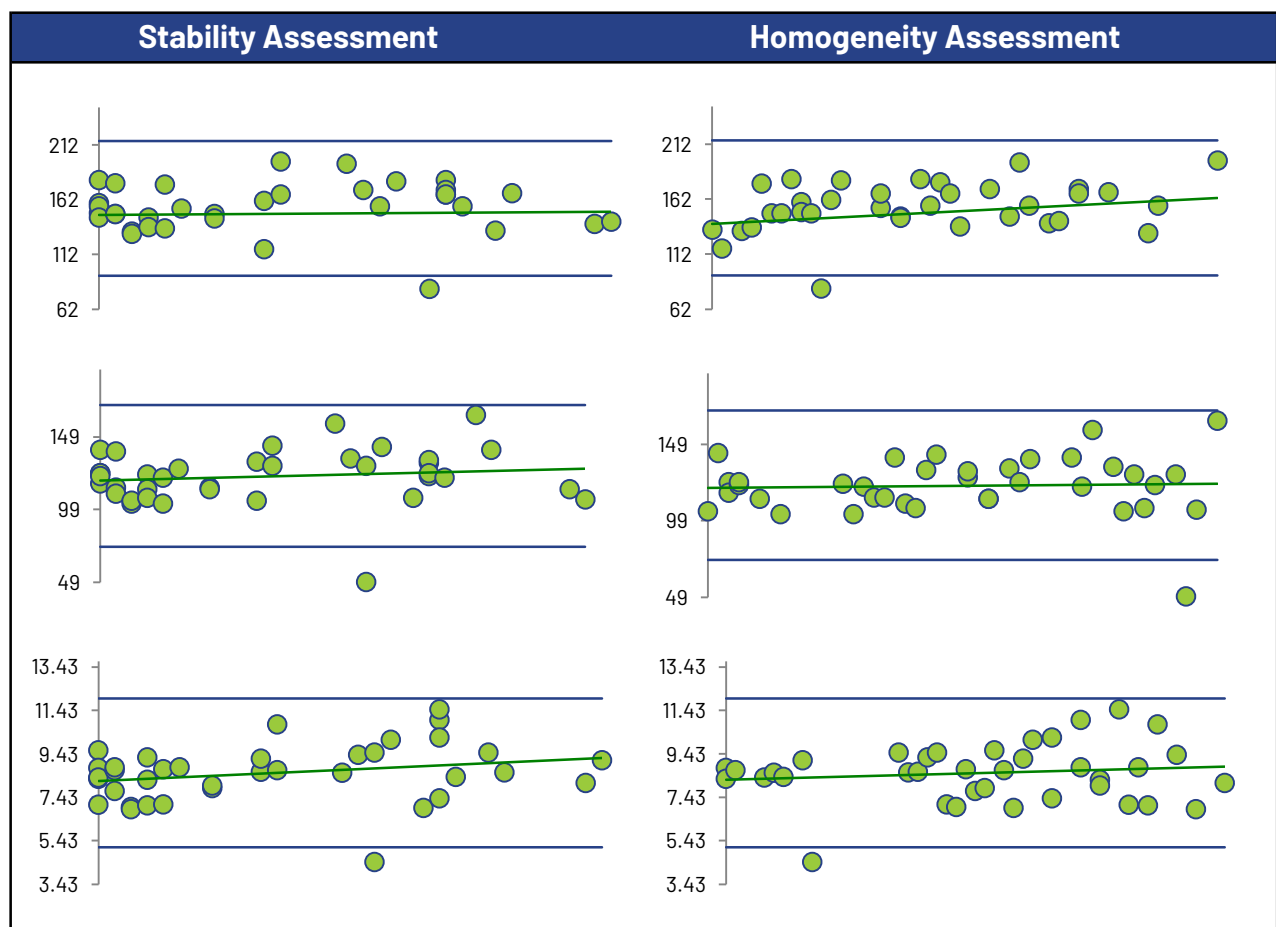
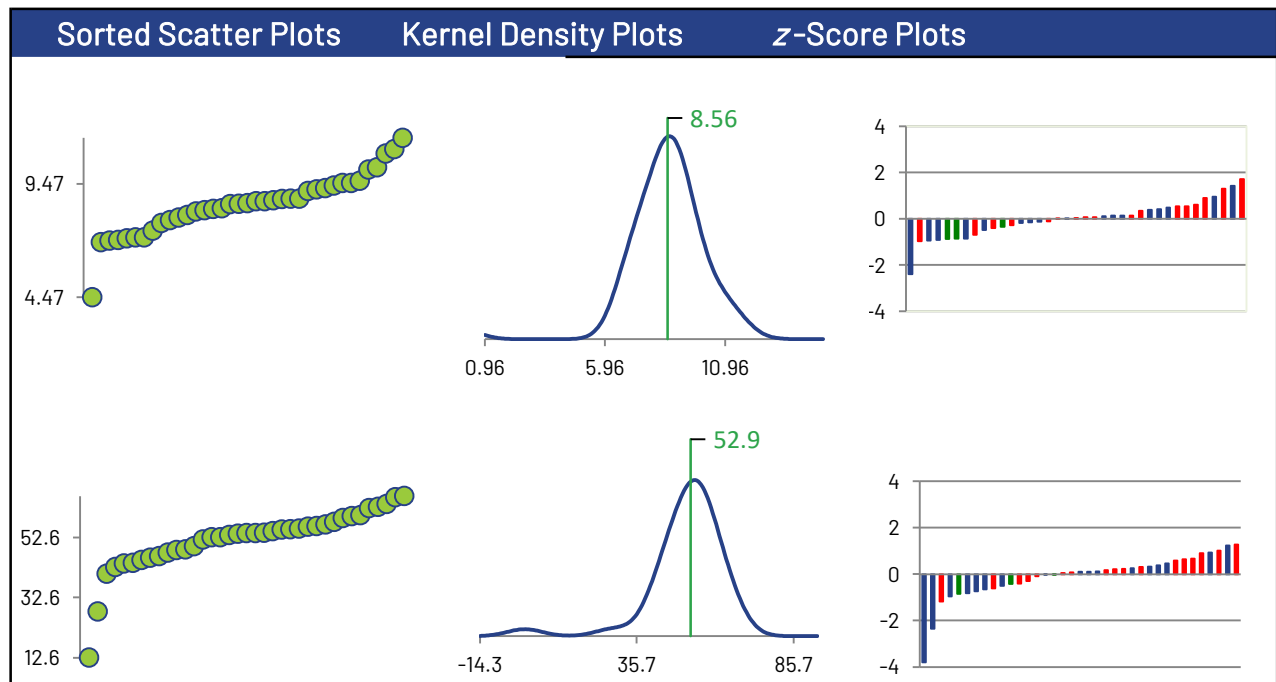
Method	C36-1	C36-2	C36-3	C36-4
GC/MS - HEADSPACE (Blue)	17	17	17	17
GC/MS - PURGE AND TRAP (Red)	17	17	17	17
GC/MS (Green)	3	3	3	3

All summary stats, except the failure rate, and the plots below are based on the data excluding any flagged outliers



* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

Dichloromethane



Dichloromethane



Ethylbenzene

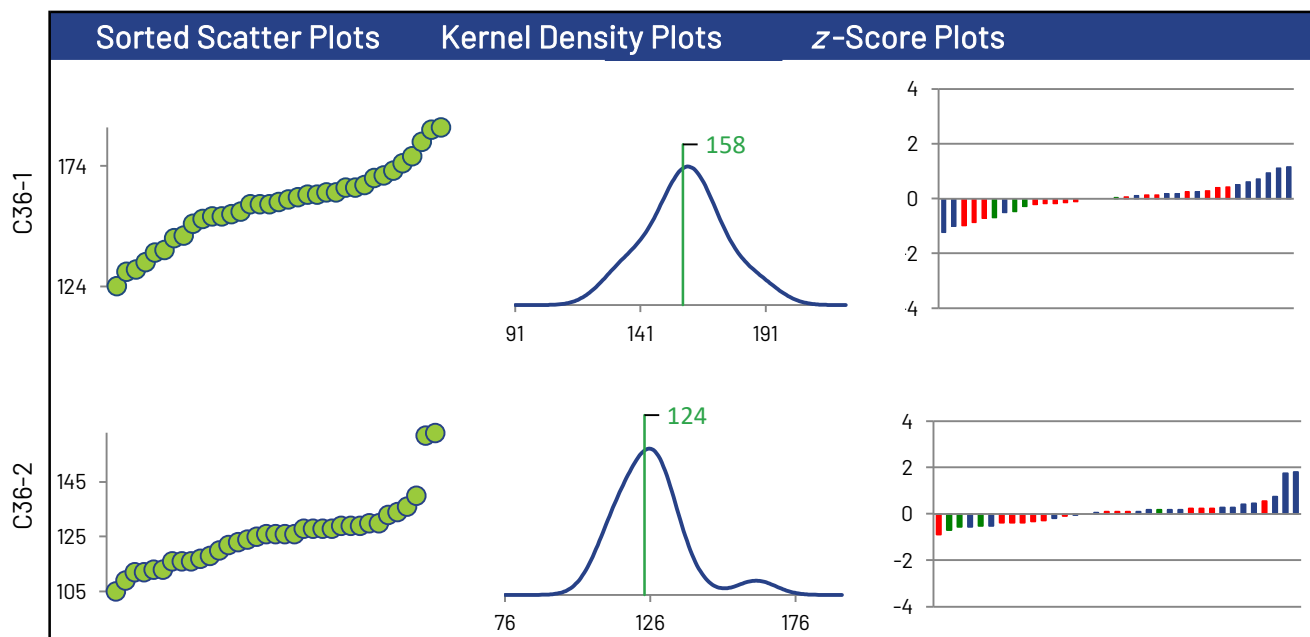
Summary Statistics

Statistic	C36-1	C36-2	C36-3	C36-4
No. of results used for summary statistics	35	35	34	35
Median µg/g	159	126	8.93	53.7
Robust Mean µg/g	158	124	8.87	52.6
Uncertainty of the Assigned Value µg/g	3.36	2.02	0.170	1.18
Robust Standard Deviation µg/g	15.9	9.55	0.792	5.59
Regression Standard Deviation µg/g	27.6	21.7	1.55	9.20
Stability Flag				Stability
Homogeneity Flag				
Standard Deviation Used (SDPA) µg/g	27.6	21.7	1.55	10.6
Flagged Outliers	0	0	0	0
$ z > 3.0$	0	0	0	1
$2 < z < 3$	0	0	1	0
Failure Rate %*	0.0			

Methods Used

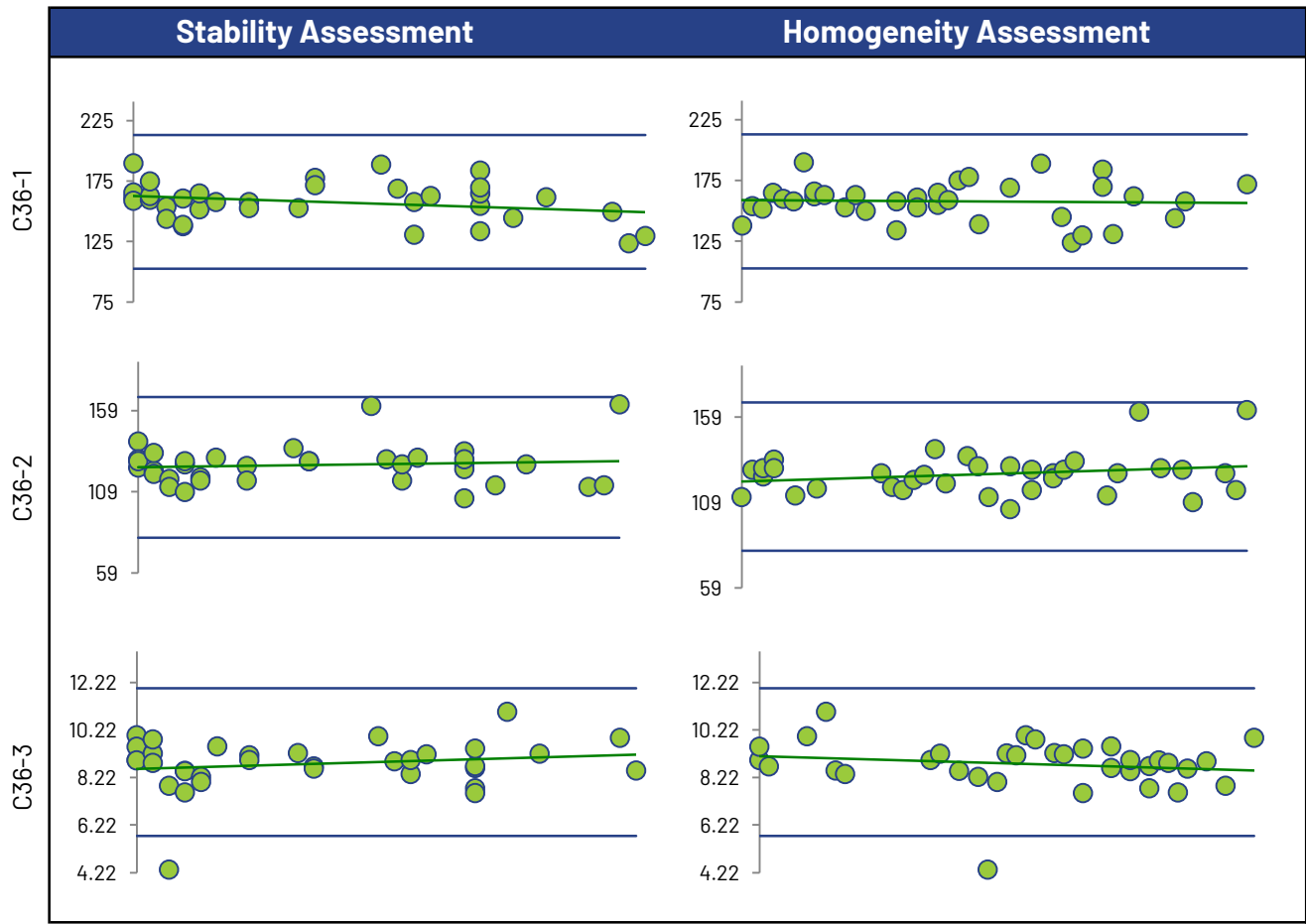
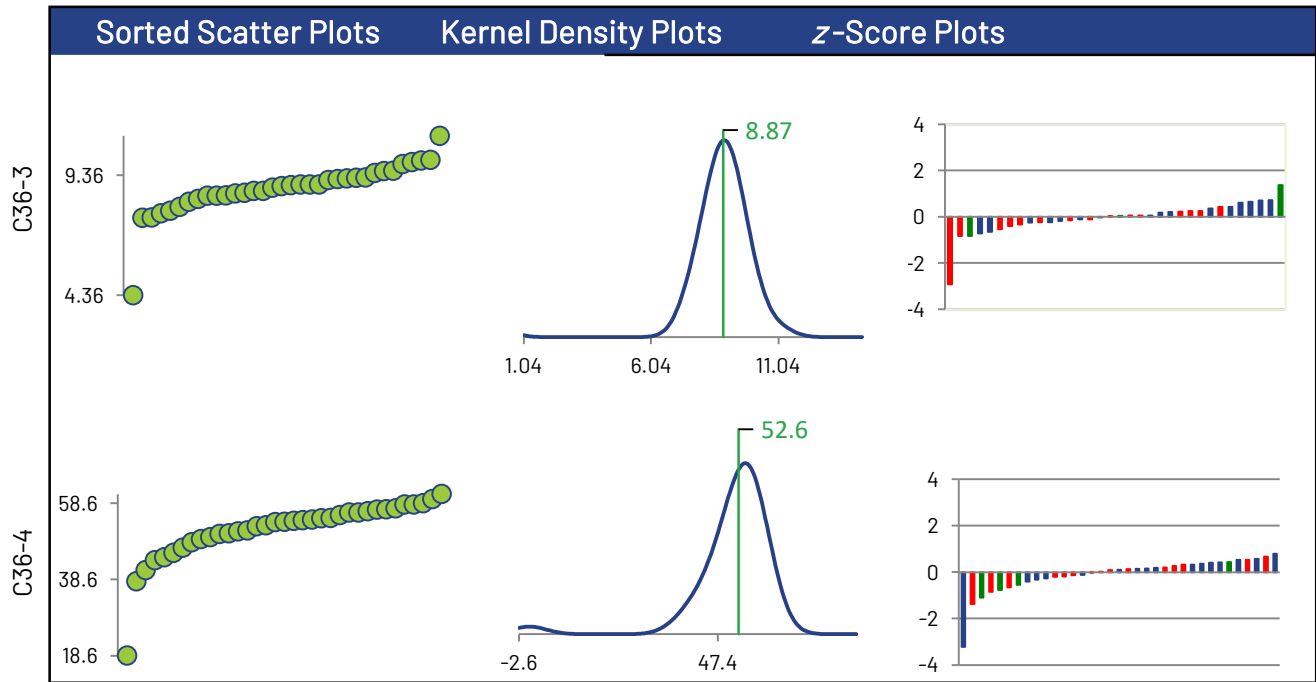
Method	C36-1	C36-2	C36-3	C36-4
GC/MS - PURGE AND TRAP (Blue)	16	16	16	16
GC/MS - HEADSPACE (Red)	15	15	15	15
GC/MS (Green)	4	4	3	4

All summary stats, except the failure rate, and the plots below are based on the data excluding any flagged outliers



* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

Ethylbenzene



Ethylbenzene



Ethylene Dibromide

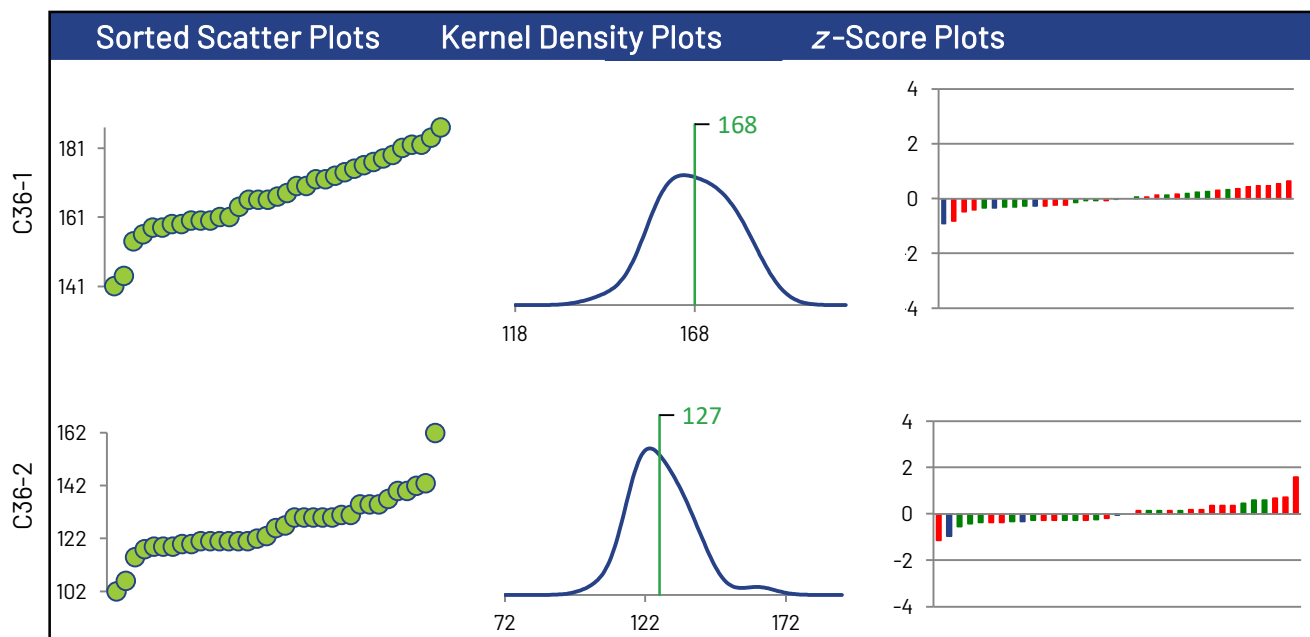
Summary Statistics

Statistic	C36-1	C36-2	C36-3	C36-4
No. of results used for summary statistics	35	35	35	35
Median µg/g	167	126	10.8	54.6
Robust Mean µg/g	168	127	10.7	54.8
Uncertainty of the Assigned Value µg/g	2.30	2.08	0.184	0.966
Robust Standard Deviation µg/g	10.9	9.84	0.871	4.57
Regression Standard Deviation µg/g	29.4	22.2	1.88	9.58
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) µg/g	29.4	22.2	1.88	9.58
Flagged Outliers	0	0	0	0
$ z > 3.0$	0	0	0	0
$2 < z < 3$	0	0	0	0
Failure Rate %*	0.0			

Methods Used

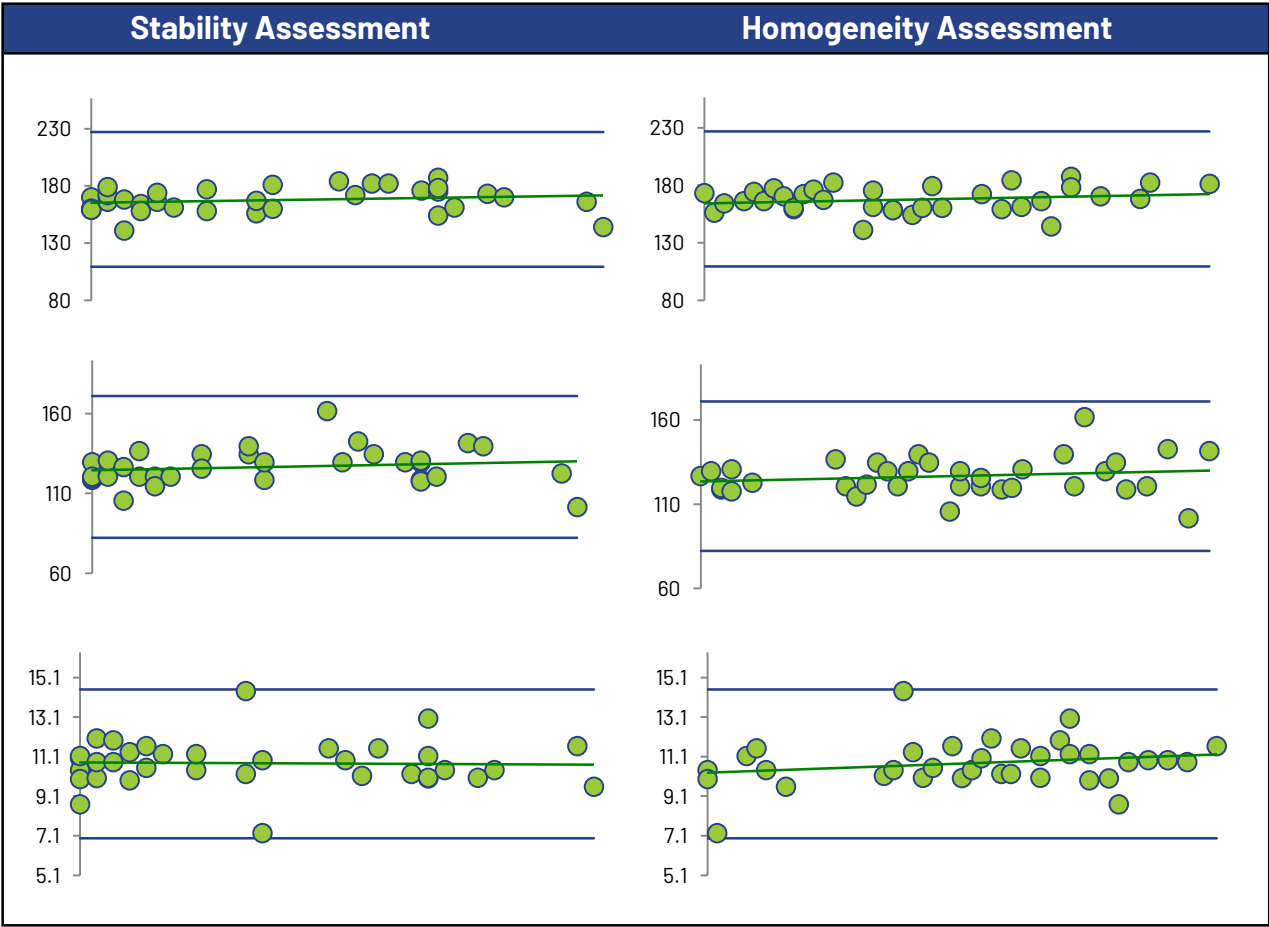
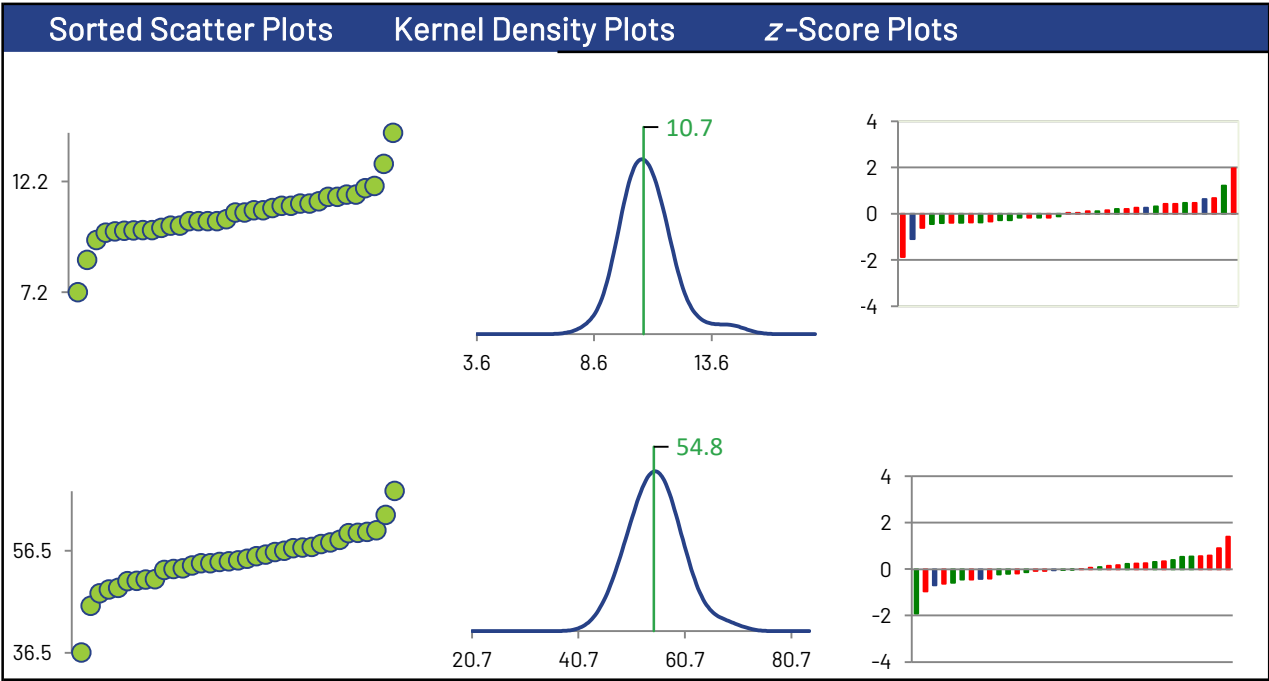
Method	C36-1	C36-2	C36-3	C36-4
GC/MS (Blue)	3	3	3	3
GC/MS - PURGE AND TRAP (Red)	18	18	18	18
GC/MS - HEADSPACE (Green)	14	14	14	14

All summary stats, except the failure rate, and the plots below are based on the data excluding any flagged outliers

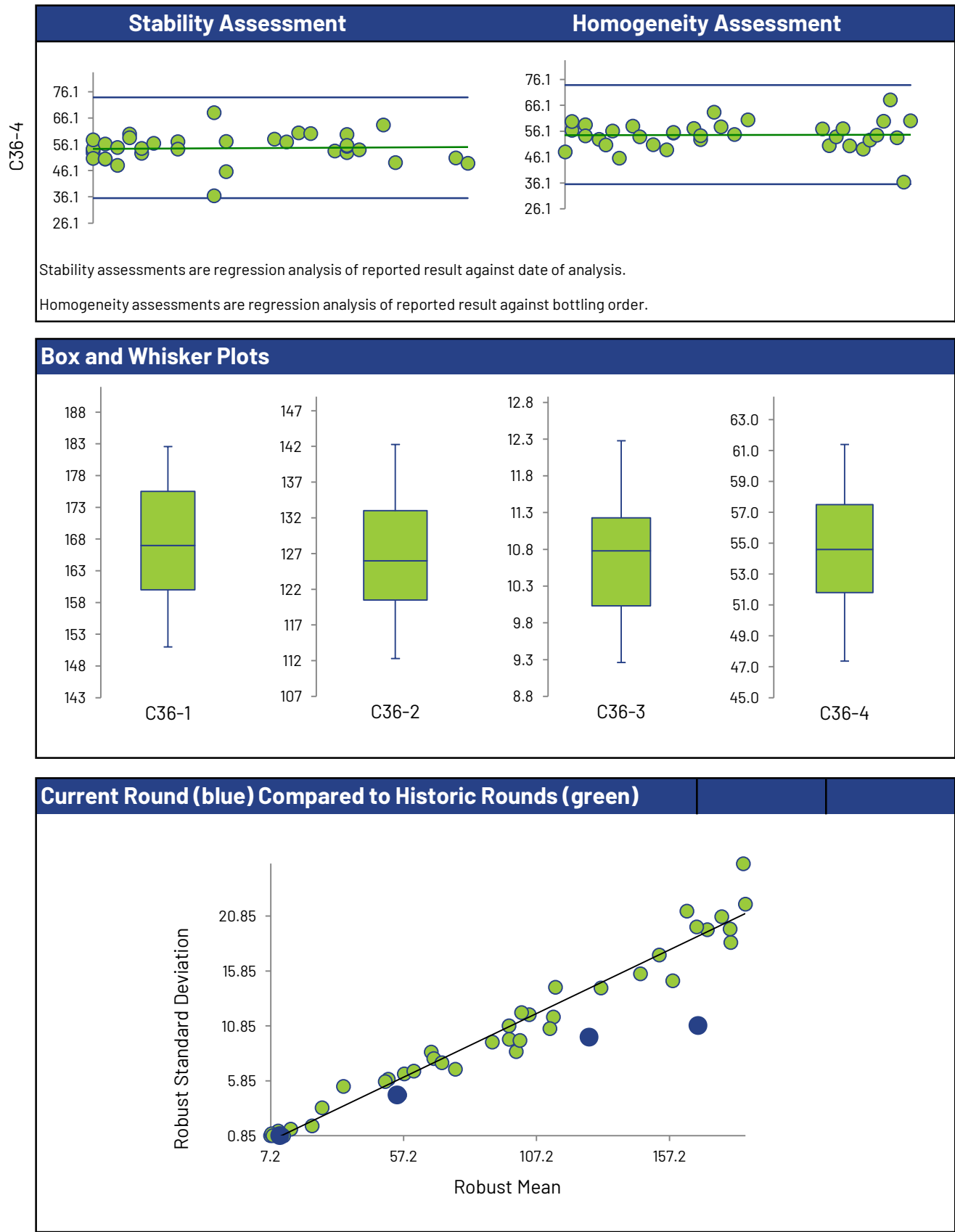


* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

Ethylene Dibromide



Ethylene Dibromide



m,p-Xylene

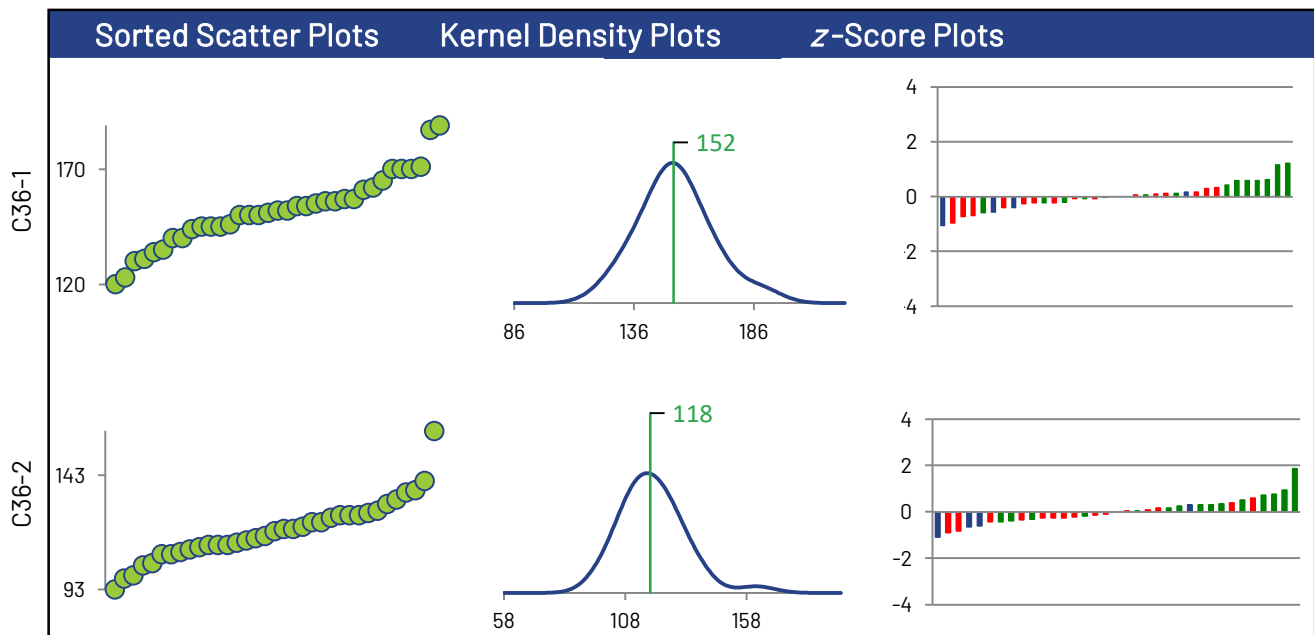
Summary Statistics

Statistic	C36-1	C36-2	C36-3	C36-4
No. of results used for summary statistics	35	35	34	35
Median µg/g	152	118	8.14	50.6
Robust Mean µg/g	152	118	8.22	49.4
Uncertainty of the Assigned Value µg/g	3.15	2.60	0.234	1.31
Robust Standard Deviation µg/g	14.9	12.3	1.09	6.19
Regression Standard Deviation µg/g	30.3	23.6	1.64	9.89
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) µg/g	30.3	23.6	1.64	9.89
Flagged Outliers	0	0	0	0
$ z > 3.0$	0	0	0	0
$2 < z < 3$	0	0	1	1
Failure Rate %*	0.0			

Methods Used

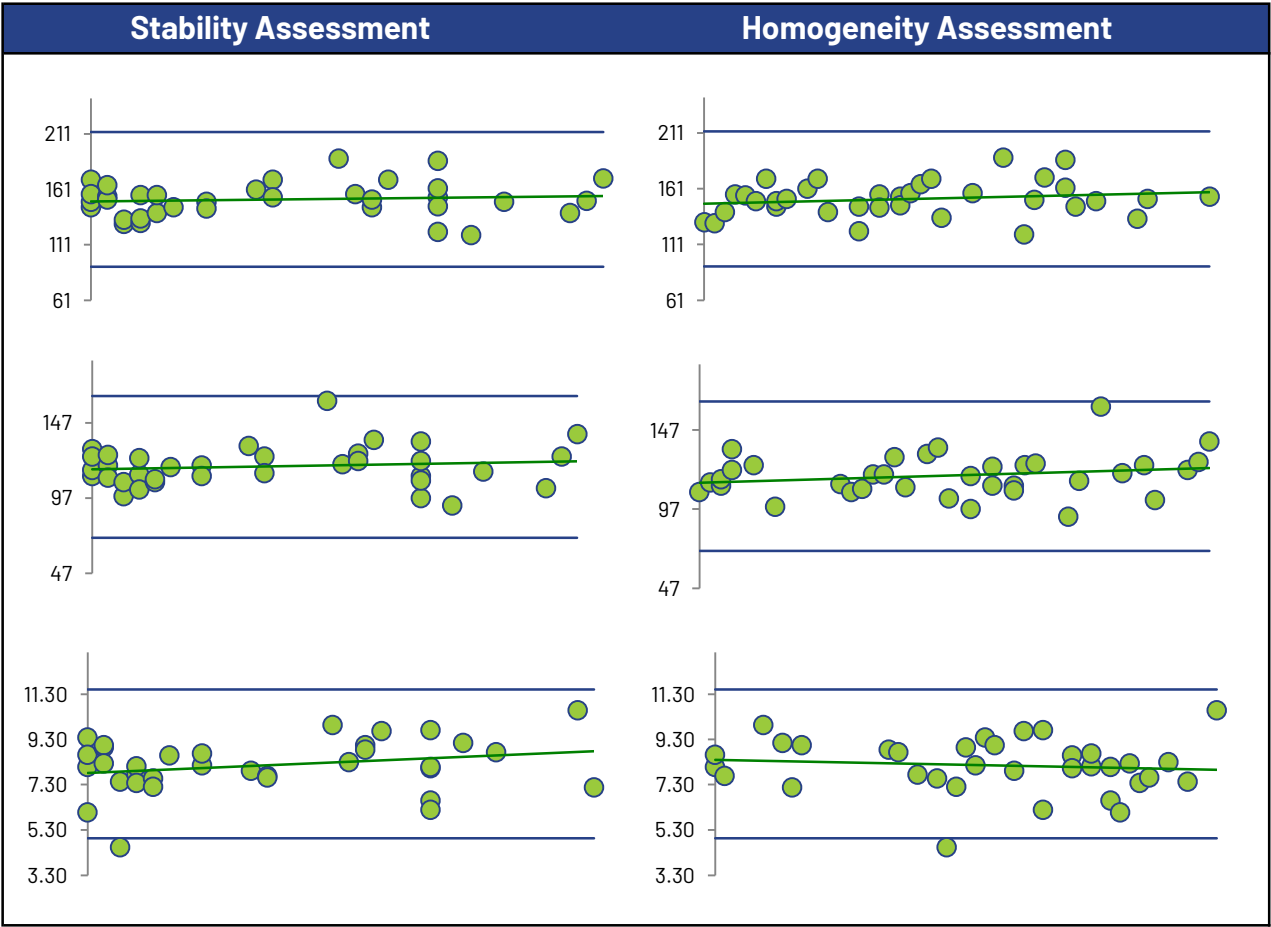
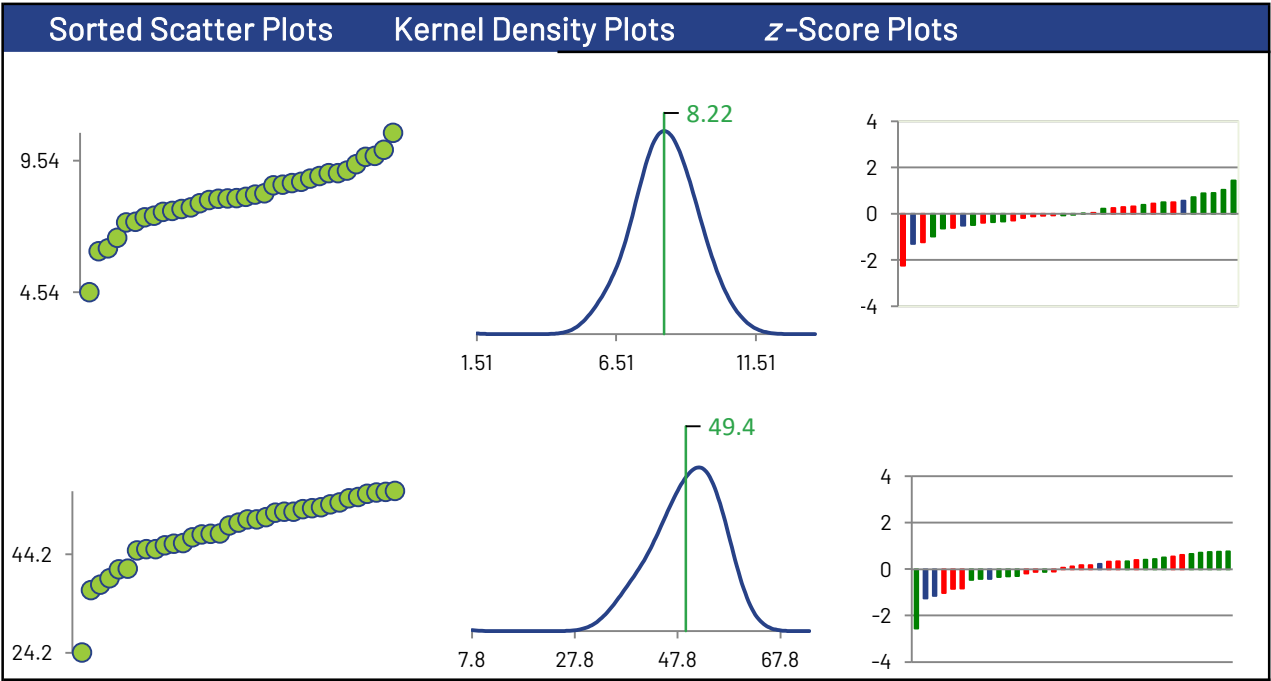
Method	C36-1	C36-2	C36-3	C36-4
GC/MS (Blue)	4	4	3	4
GC/MS - HEADSPACE (Red)	15	15	15	15
GC/MS - PURGE AND TRAP (Green)	16	16	16	16

All summary stats, except the failure rate, and the plots below are based on the data excluding any flagged outliers

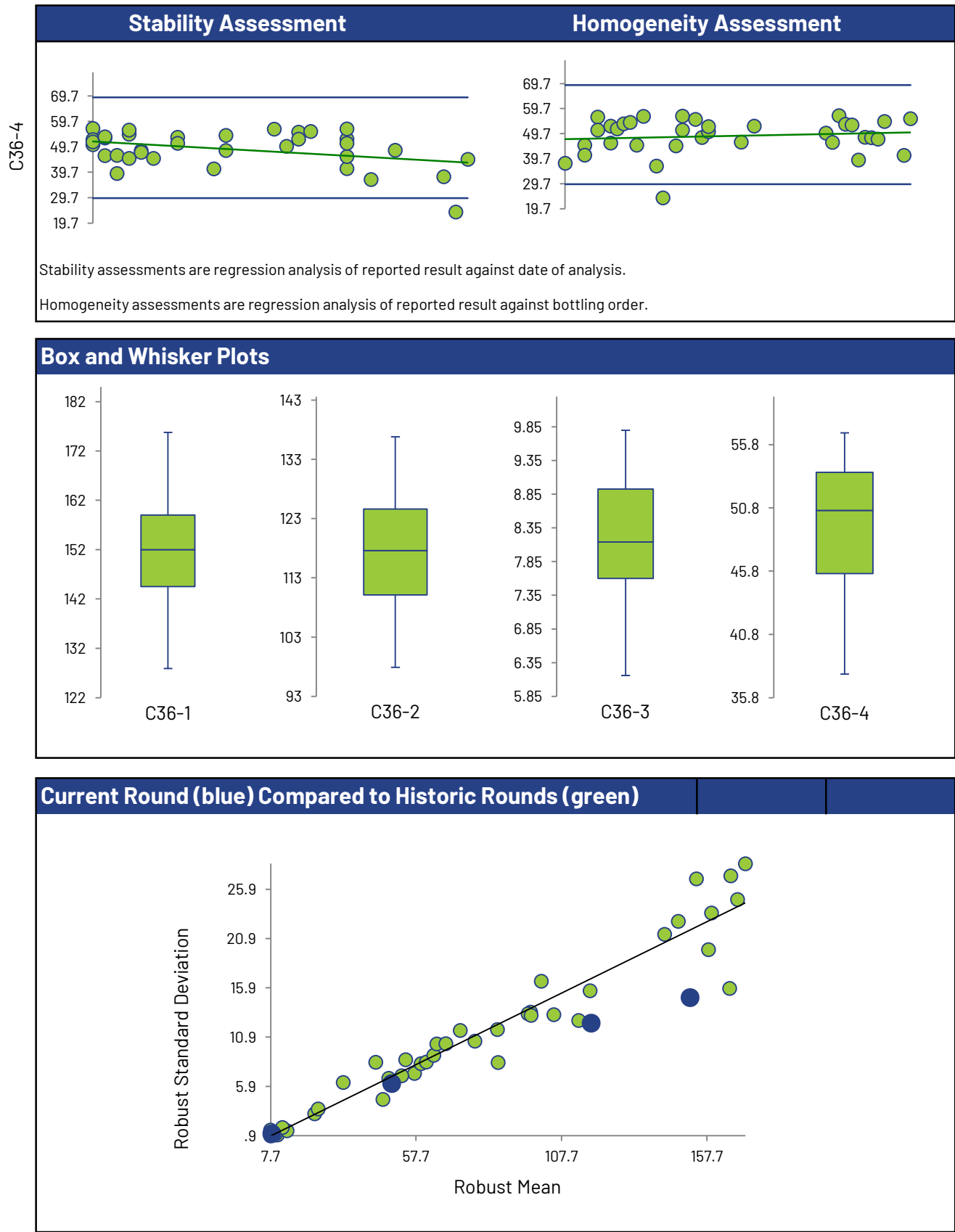


* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

m,p-Xylene



m,p-Xylene



Methyl ethyl ketone

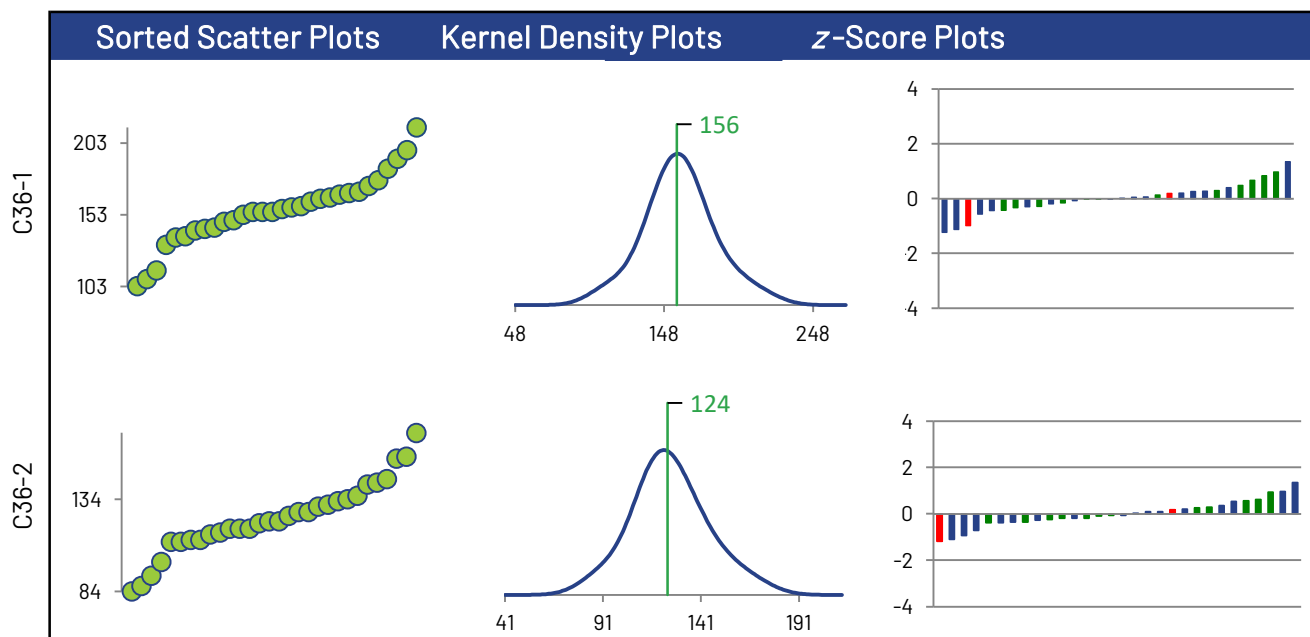
Summary Statistics

Statistic	C36-1	C36-2	C36-3	C36-4
No. of results used for summary statistics	30	30	29	30
Median µg/g	156	122	12.3	55.0
Robust Mean µg/g	156	124	12.3	54.9
Uncertainty of the Assigned Value µg/g	4.84	4.15	0.508	1.33
Robust Standard Deviation µg/g	21.2	18.2	2.19	5.81
Regression Standard Deviation µg/g	43.0	34.0	3.39	15.1
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) µg/g	43.0	34.0	3.39	15.1
Flagged Outliers	0	0	0	0
$ z > 3.0$	0	0	0	0
$2 < z < 3$	0	0	1	0
Failure Rate %*	0.0			

Methods Used

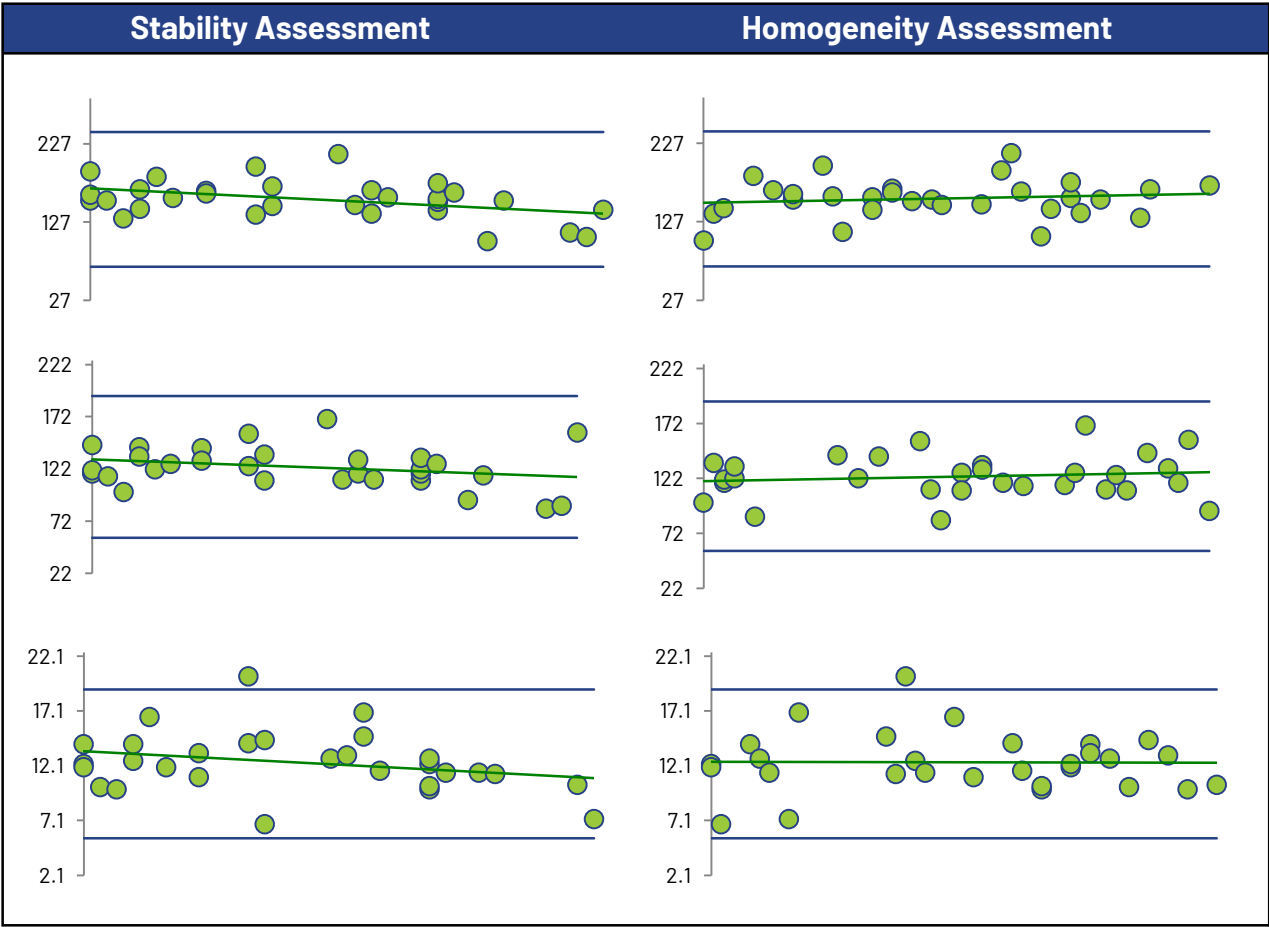
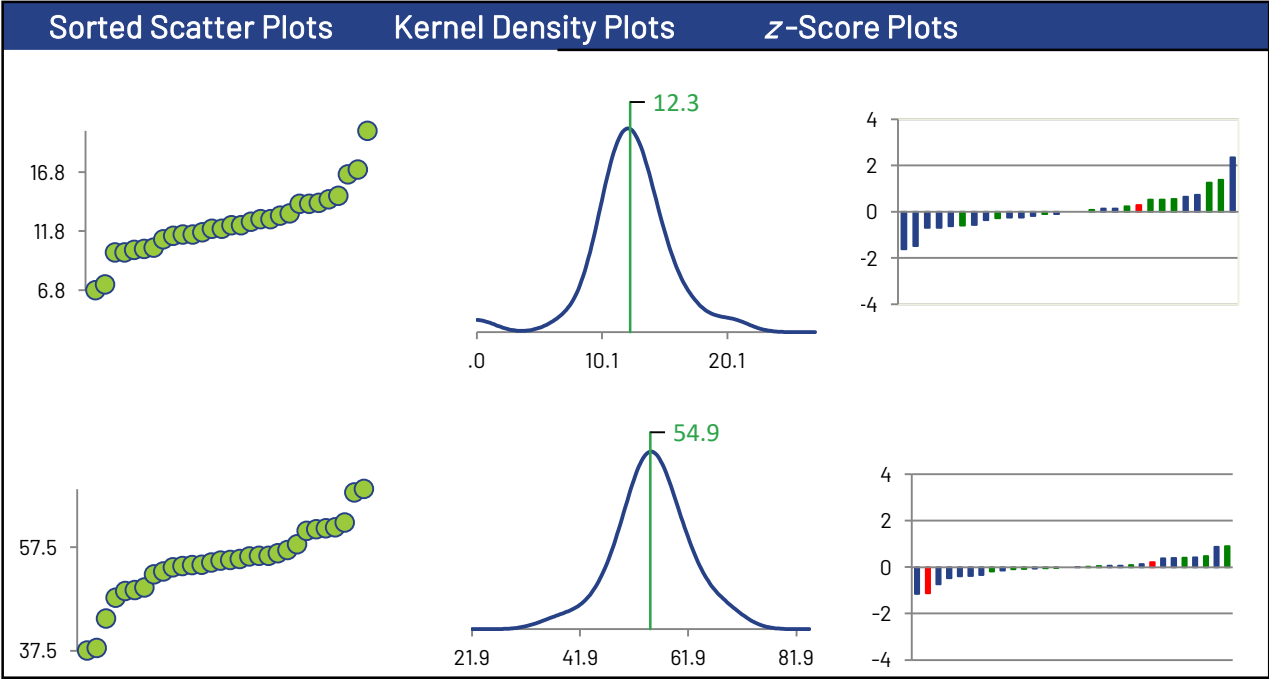
Method	C36-1	C36-2	C36-3	C36-4
GC/MS - PURGE AND TRAP (Blue)	16	16	16	16
GC/MS (Red)	2	2	1	2
GC/MS - HEADSPACE (Green)	12	12	12	12

All summary stats, except the failure rate, and the plots below are based on the data excluding any flagged outliers



* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

Methyl ethyl ketone



Methyl ethyl ketone



Methyl isobutyl ketone (MIBK)

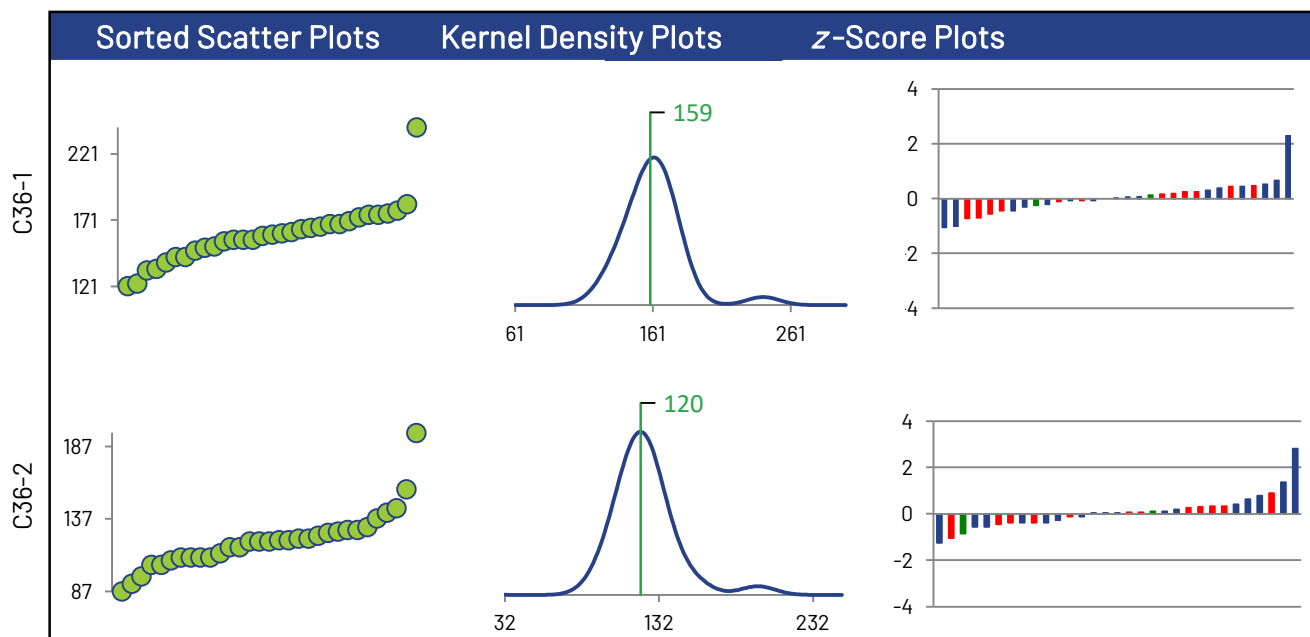
Summary Statistics

Statistic	C36-1	C36-2	C36-3	C36-4
No. of results used for summary statistics	31	31	30	31
Median µg/g	160	121	10.4	51.9
Robust Mean µg/g	159	120	10.2	52.4
Uncertainty of the Assigned Value µg/g	3.86	3.39	0.372	1.38
Robust Standard Deviation µg/g	17.2	15.1	1.63	6.14
Regression Standard Deviation µg/g	35.7	27.0	2.30	11.8
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) µg/g	35.7	27.0	2.30	11.8
Flagged Outliers	0	0	0	0
$ z > 3.0$	0	0	0	0
$2 < z < 3$	1	1	1	0
Failure Rate %*	0.0			

Methods Used

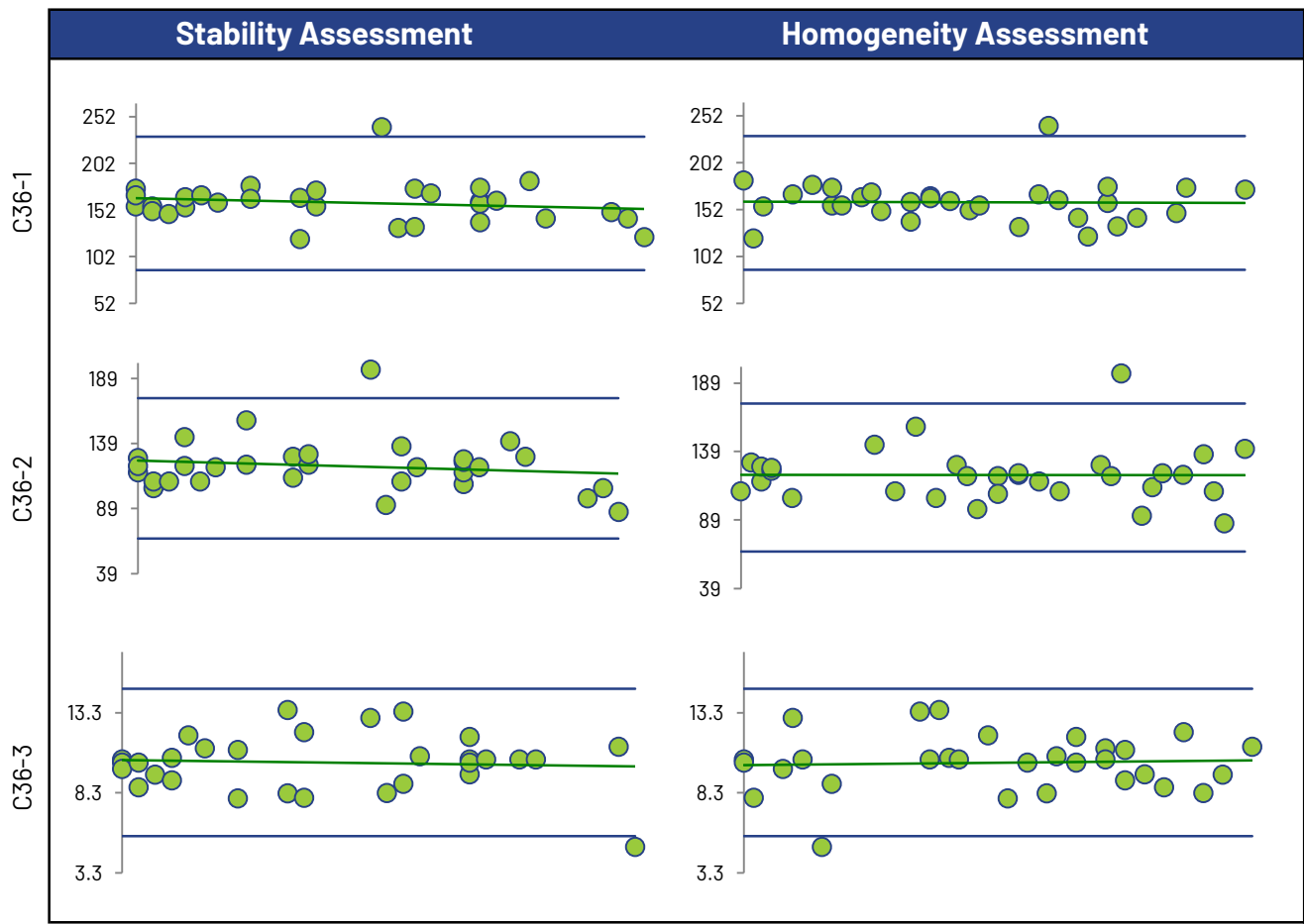
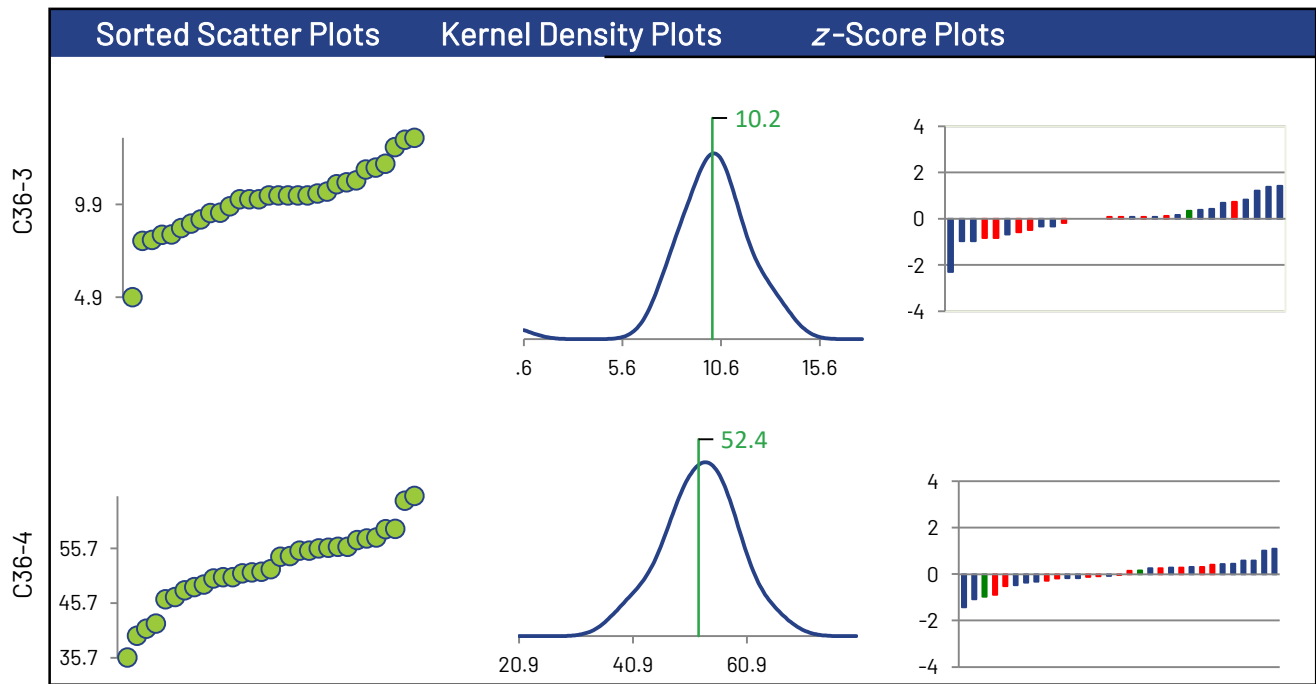
Method	C36-1	C36-2	C36-3	C36-4
GC/MS - PURGE AND TRAP (Blue)	17	17	17	17
GC/MS - HEADSPACE (Red)	12	12	12	12
GC/MS (Green)	2	2	1	2

All summary stats, except the failure rate, and the plots below are based on the data excluding any flagged outliers



* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

Methyl isobutyl ketone (MIBK)



Methyl isobutyl ketone (MIBK)



Methyl t-butyl ether

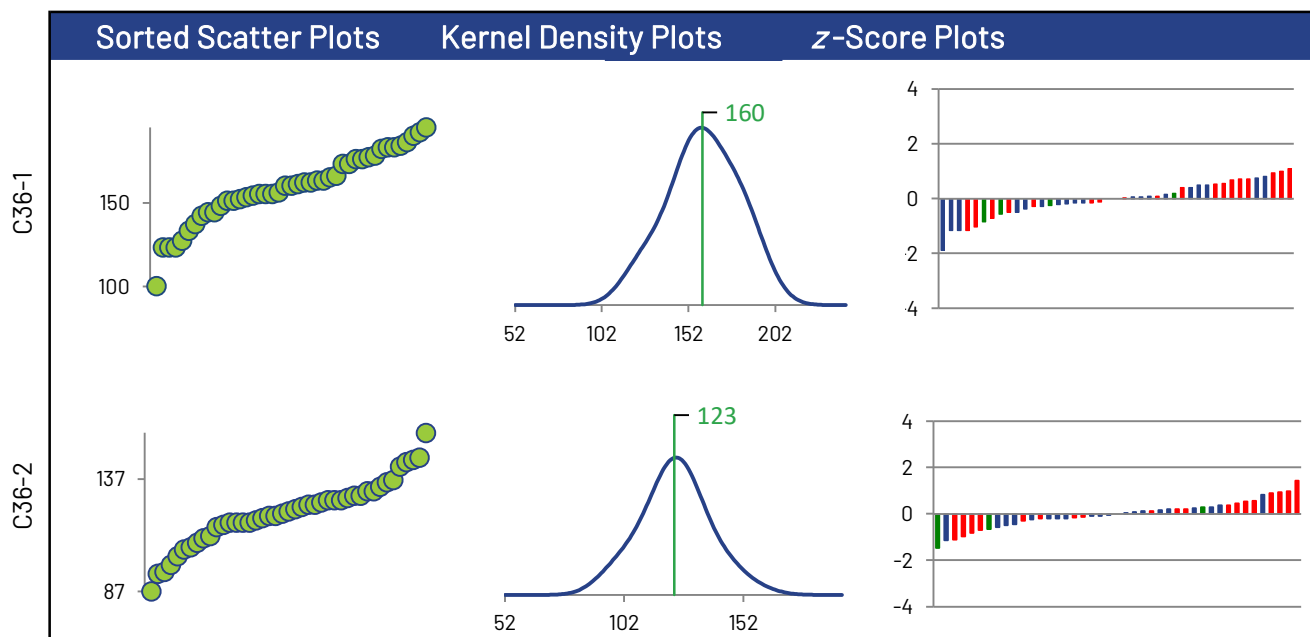
Summary Statistics

Statistic	C36-1	C36-2	C36-3	C36-4
No. of results used for summary statistics	43	43	43	43
Median µg/g	160	123	10.1	53.5
Robust Mean µg/g	160	123	10.2	53.0
Uncertainty of the Assigned Value µg/g	4.12	2.69	0.204	1.24
Robust Standard Deviation µg/g	21.6	14.1	1.07	6.49
Regression Standard Deviation µg/g	32.0	24.5	2.05	10.6
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) µg/g	32.0	24.5	2.05	10.6
Flagged Outliers	0	0	0	0
$ z > 3.0$	0	0	0	0
$2 < z < 3$	0	0	1	0
Failure Rate %*	0.0			

Methods Used

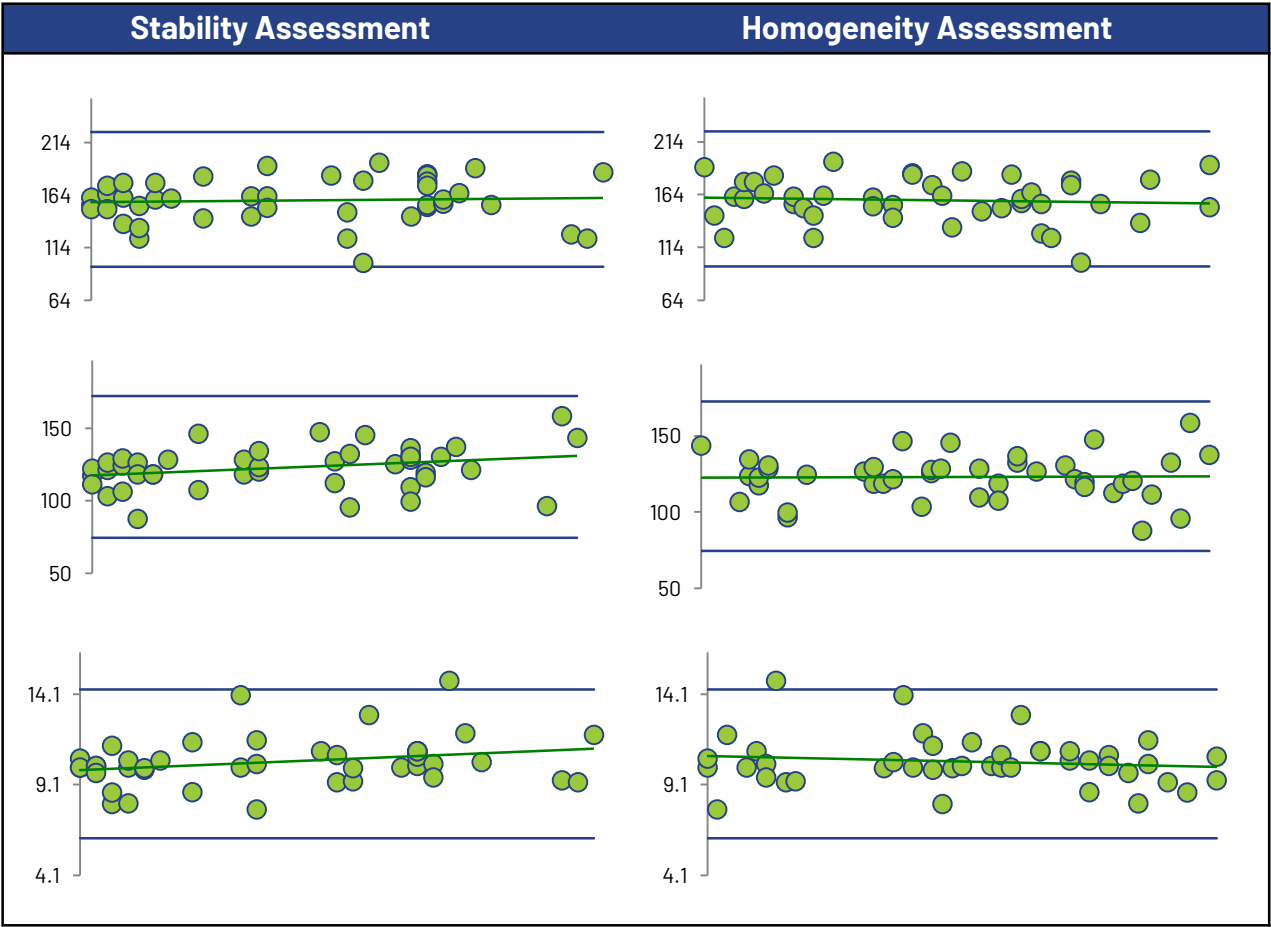
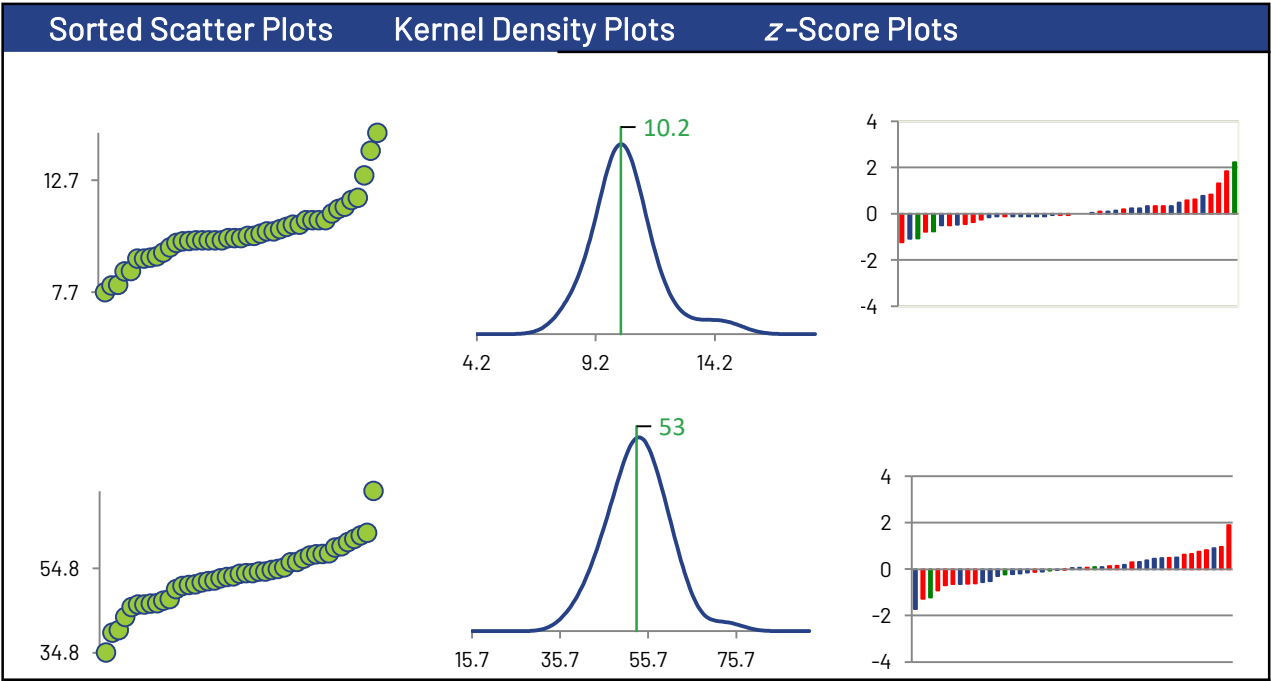
Method	C36-1	C36-2	C36-3	C36-4
GC/MS - HEADSPACE (Blue)	20	20	20	20
GC/MS - PURGE AND TRAP (Red)	19	19	19	19
GC/MS (Green)	4	4	4	4

All summary stats, except the failure rate, and the plots below are based on the data excluding any flagged outliers

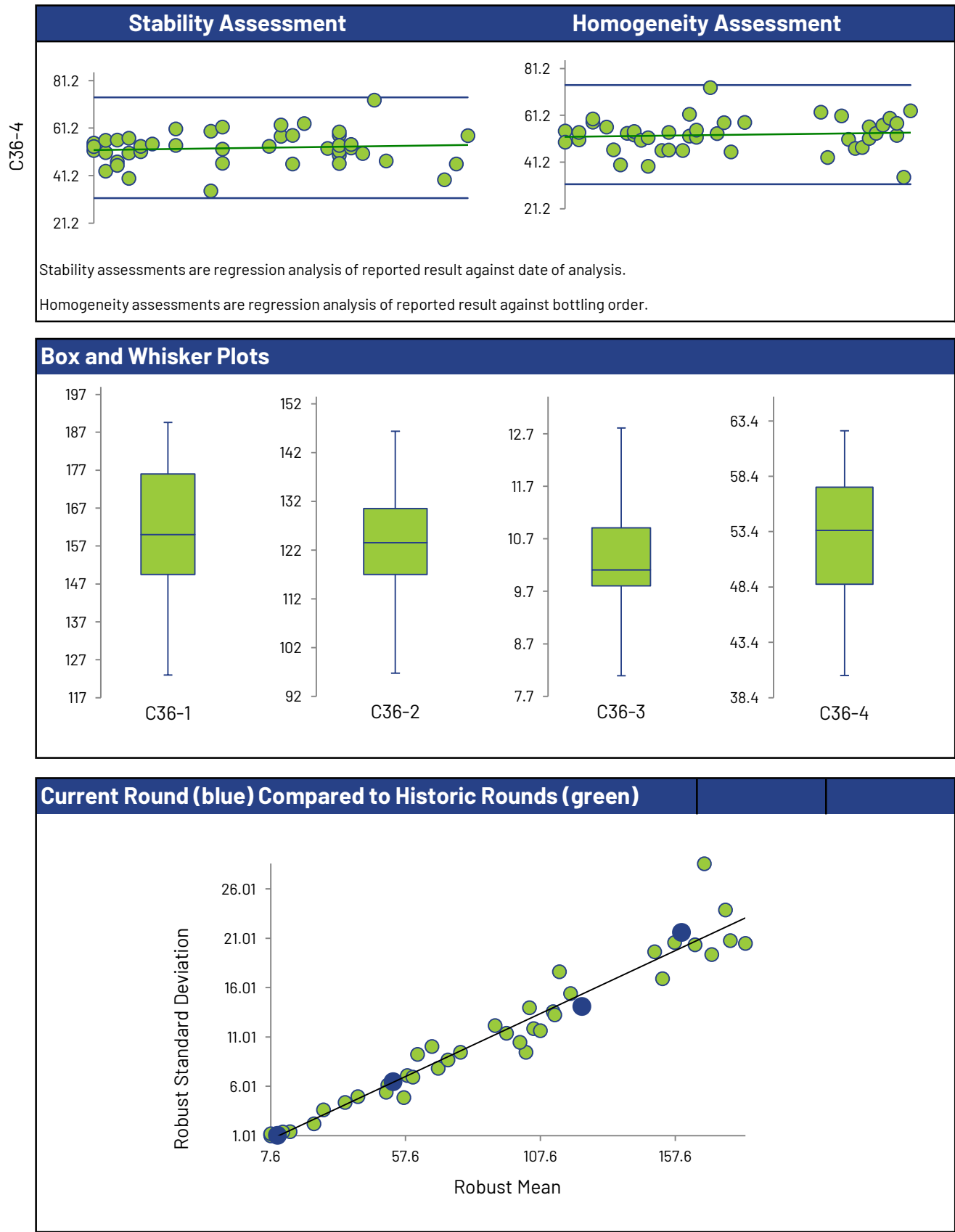


* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

Methyl t-butyl ether



Methyl t-butyl ether



o-xylene

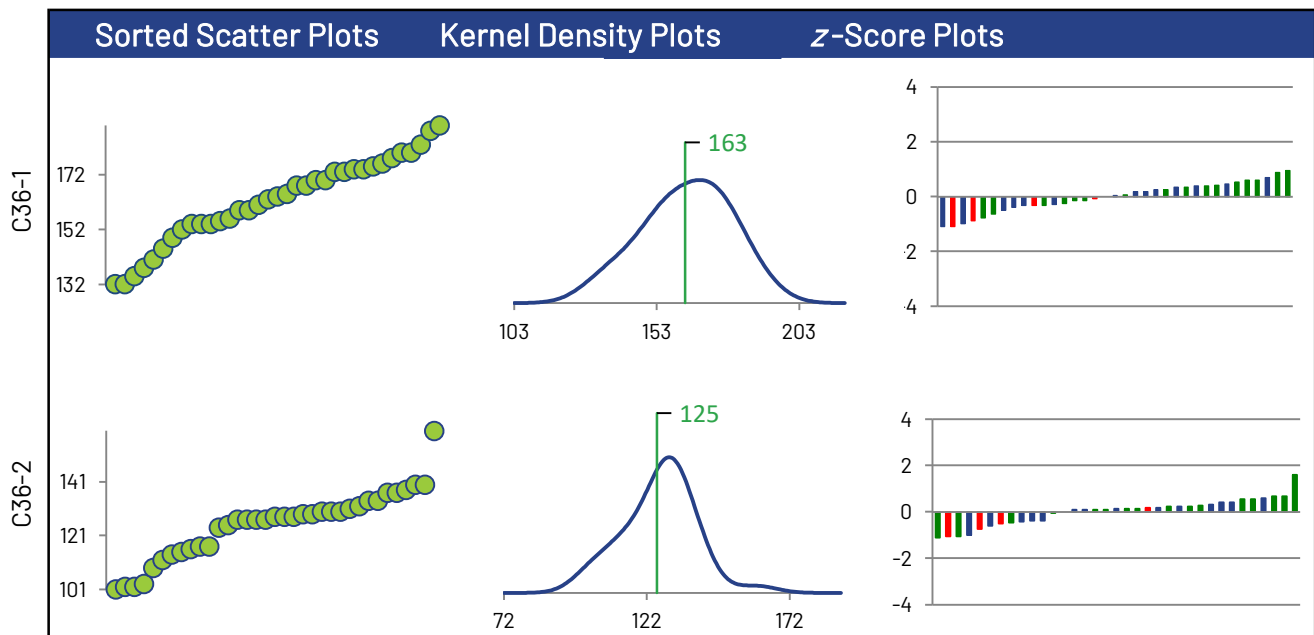
Summary Statistics

Statistic	C36-1	C36-2	C36-3	C36-4
No. of results used for summary statistics	35	35	34	35
Median µg/g	164	128	8.96	54.5
Robust Mean µg/g	163	125	8.90	52.8
Uncertainty of the Assigned Value µg/g	3.53	2.49	0.194	1.41
Robust Standard Deviation µg/g	16.7	11.8	0.905	6.66
Regression Standard Deviation µg/g	28.5	21.9	1.56	9.24
Stability Flag				Stability
Homogeneity Flag				
Standard Deviation Used (SDPA) µg/g	28.5	21.9	1.56	11.7
Flagged Outliers	0	0	0	0
$ z > 3.0$	0	0	0	0
$2 < z < 3$	0	0	0	1
Failure Rate %*	0.0			

Methods Used

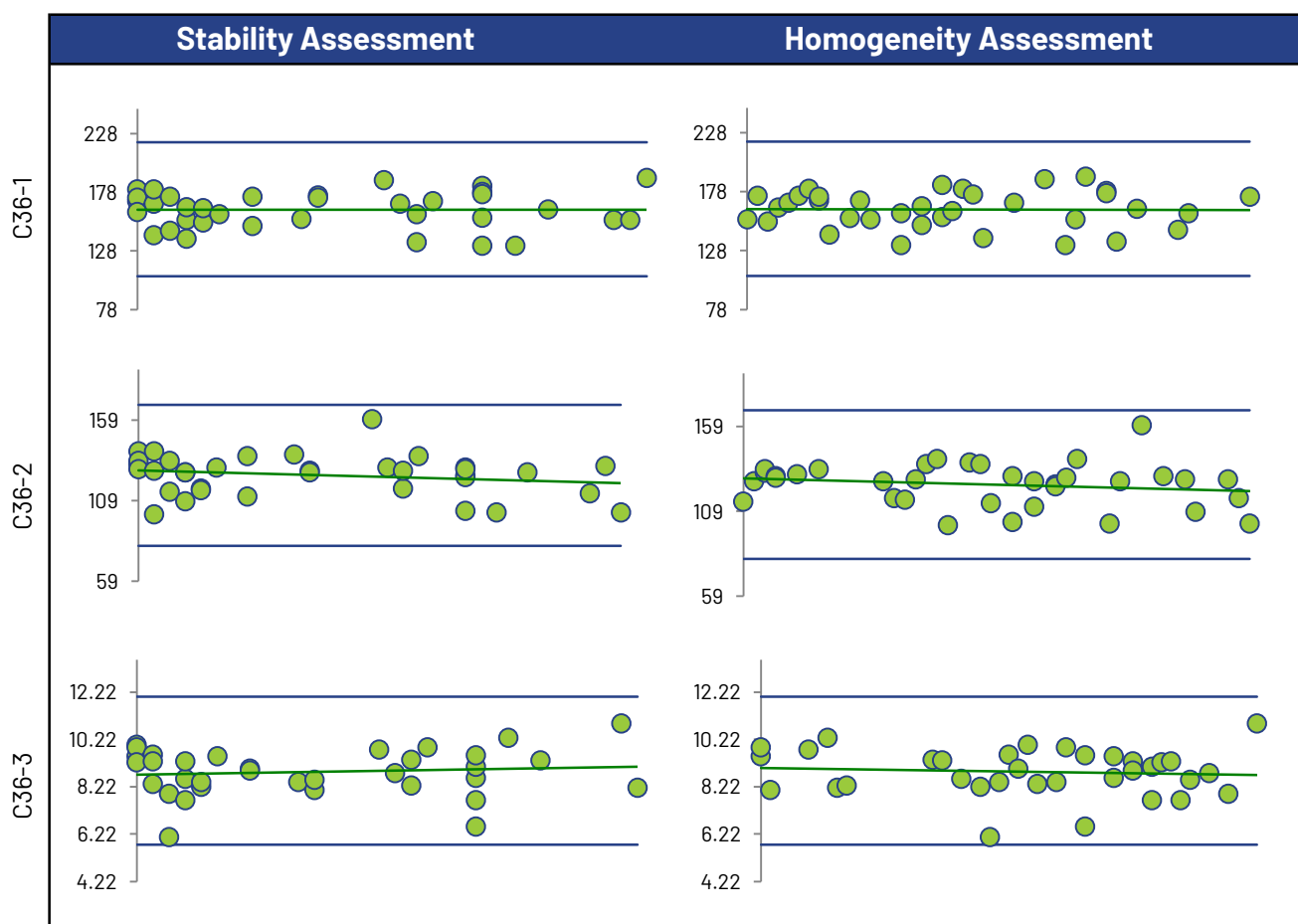
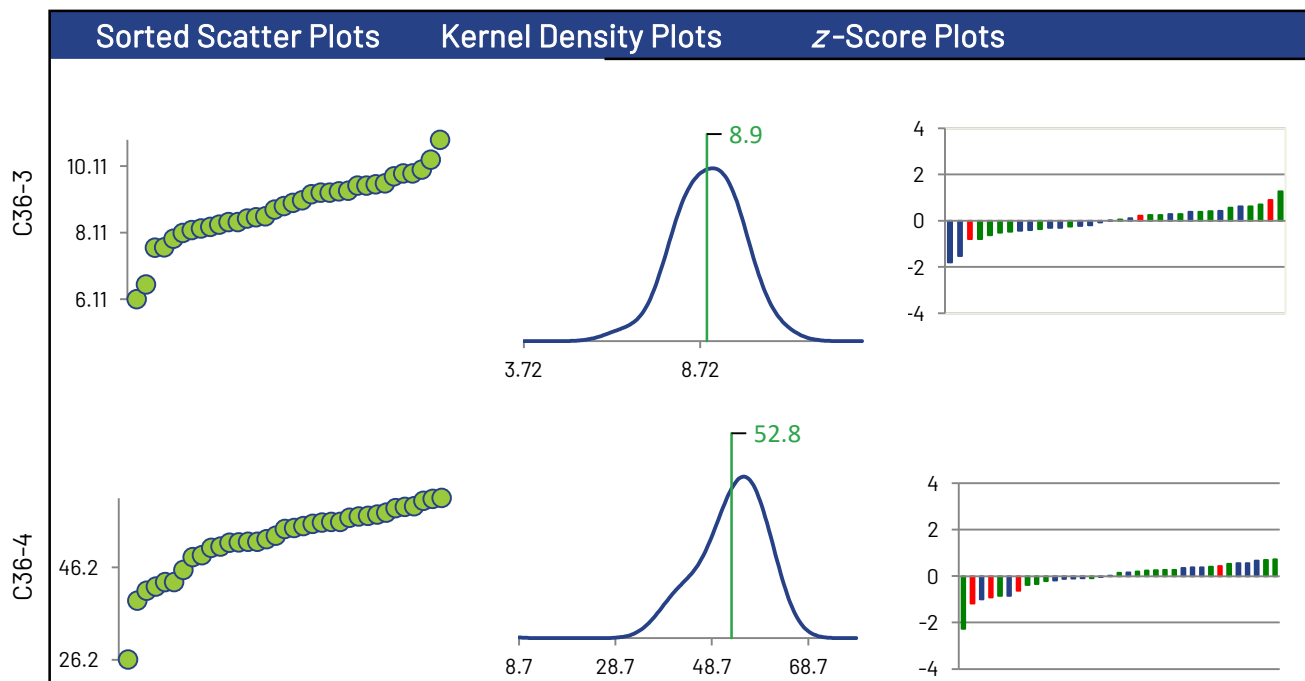
Method	C36-1	C36-2	C36-3	C36-4
GC/MS - HEADSPACE (Blue)	15	15	15	15
GC/MS (Red)	4	4	3	4
GC/MS - PURGE AND TRAP (Green)	16	16	16	16

All summary stats, except the failure rate, and the plots below are based on the data excluding any flagged outliers

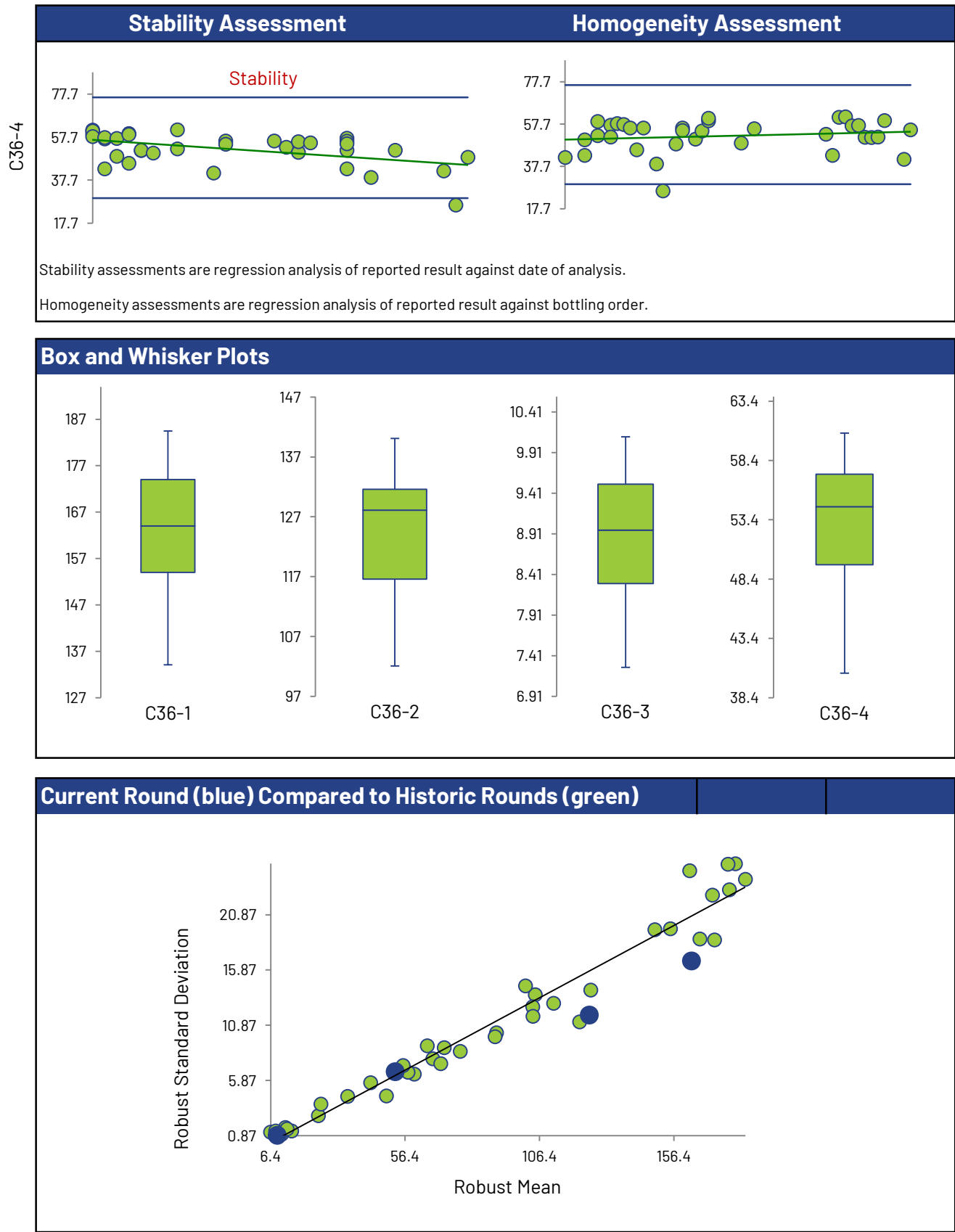


* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

o-xylene



o-xylene



Styrene

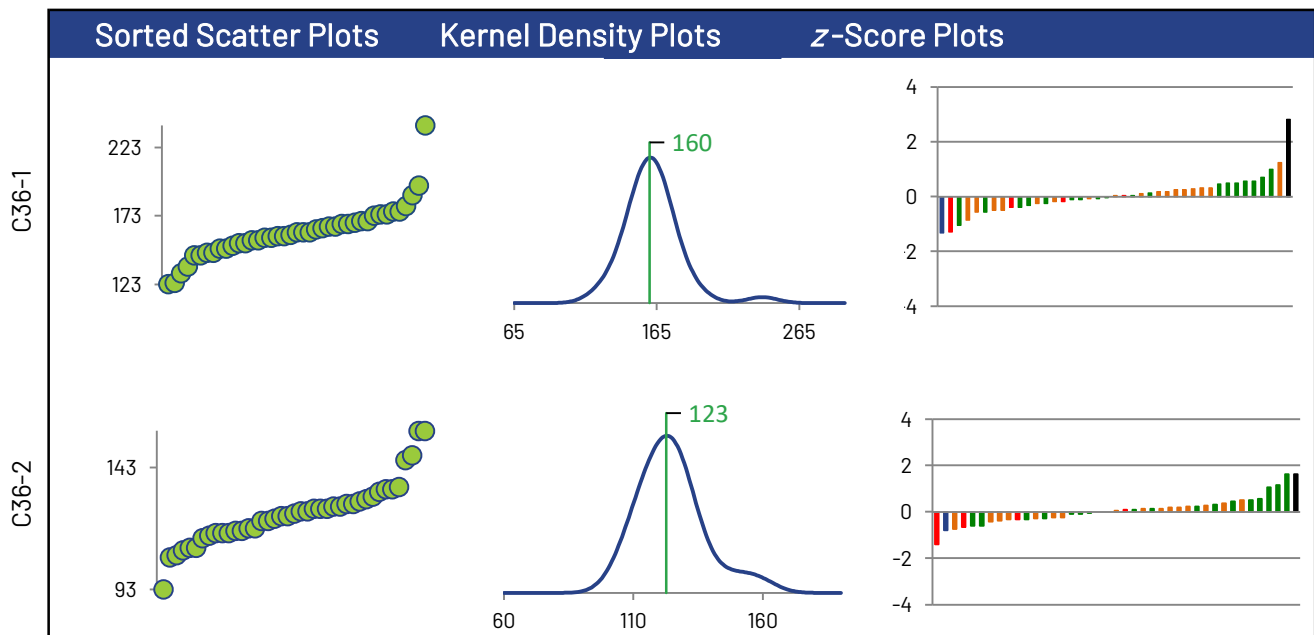
Summary Statistics

Statistic	C36-1	C36-2	C36-3	C36-4
No. of results used for summary statistics	41	41	41	41
Median µg/g	161	124	9.25	54.1
Robust Mean µg/g	160	123	9.10	53.5
Uncertainty of the Assigned Value µg/g	2.85	2.07	0.179	1.04
Robust Standard Deviation µg/g	14.6	10.6	0.915	5.35
Regression Standard Deviation µg/g	28.0	21.6	1.59	9.36
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) µg/g	28.0	21.6	1.59	9.36
Flagged Outliers	0	0	0	0
$ z > 3.0$	0	0	0	0
$2 < z < 3$	1	0	0	2
Failure Rate %*	0.0			

Methods Used

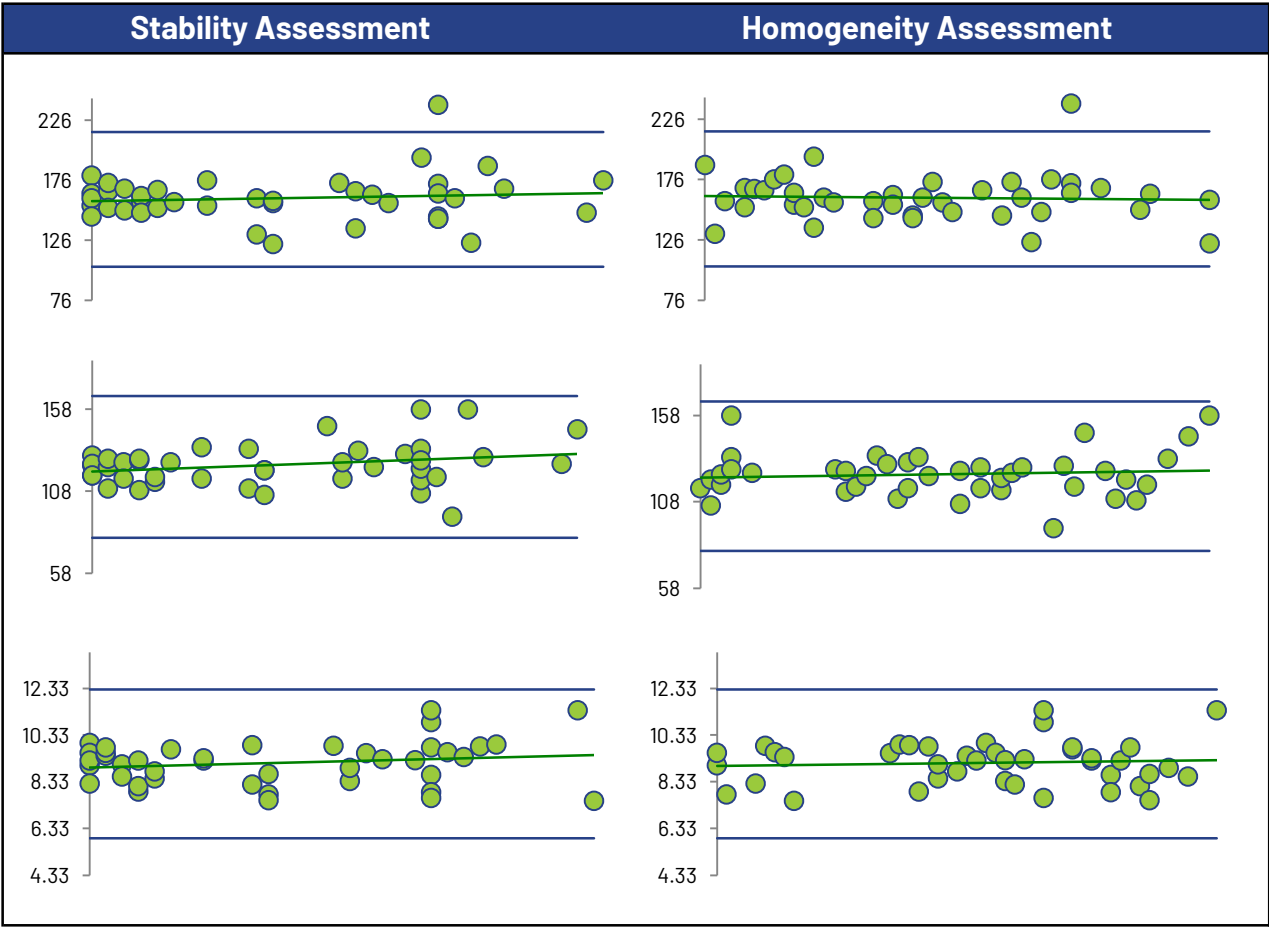
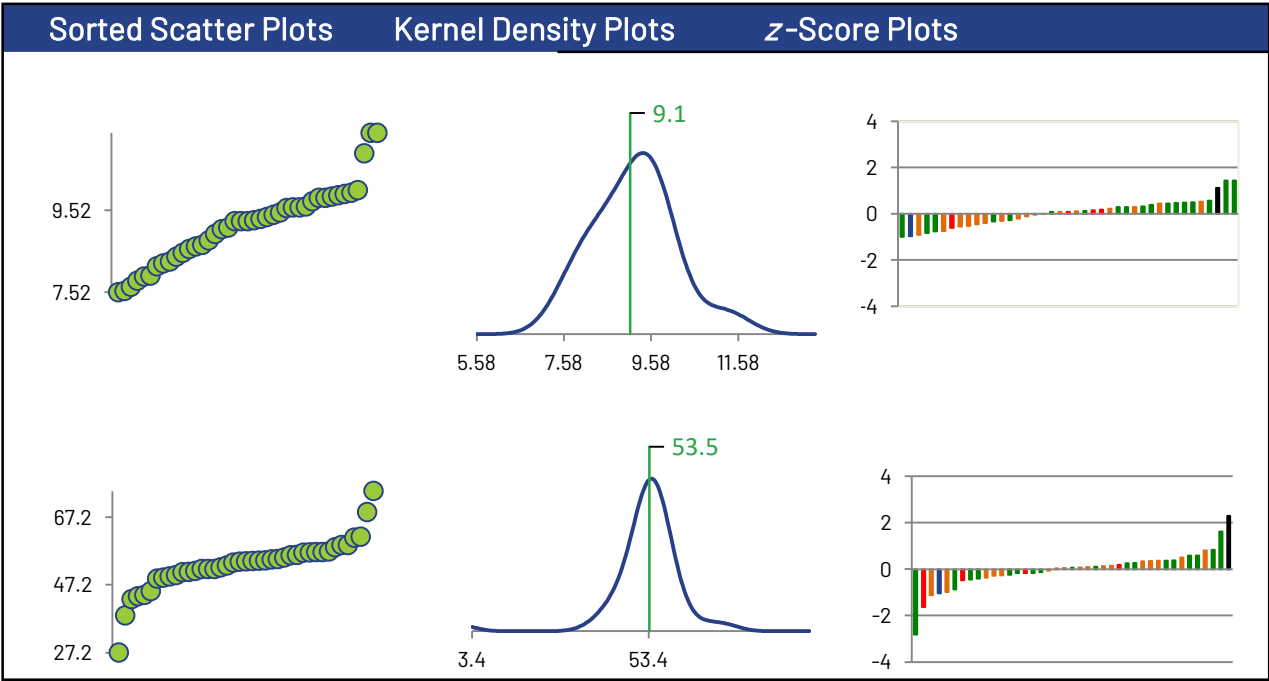
Method	C36-1	C36-2	C36-3	C36-4
GC/MS/FID (Blue)	1	1	1	1
GC/MS (Red)	4	4	4	4
GC/MS - PURGE AND TRAP (Green)	18	18	18	18
GC/MS - HEADSPACE (Orange)	17	17	17	17
GC/PID - HEADSPACE (Black)	1	1	1	1

All summary stats, except the failure rate, and the plots below are based on the data excluding any flagged outliers

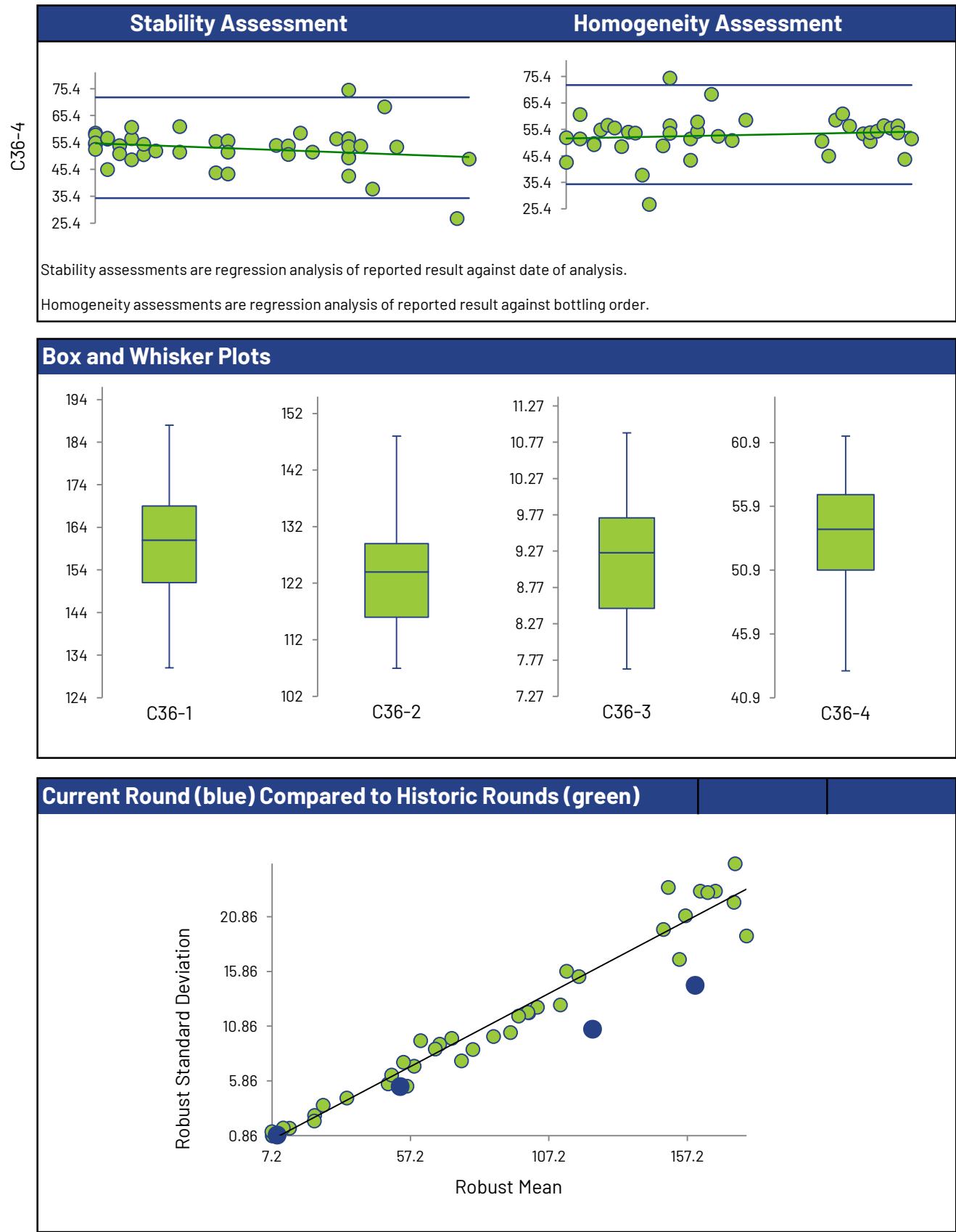


* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

Styrene



Styrene



Tetrachloroethylene

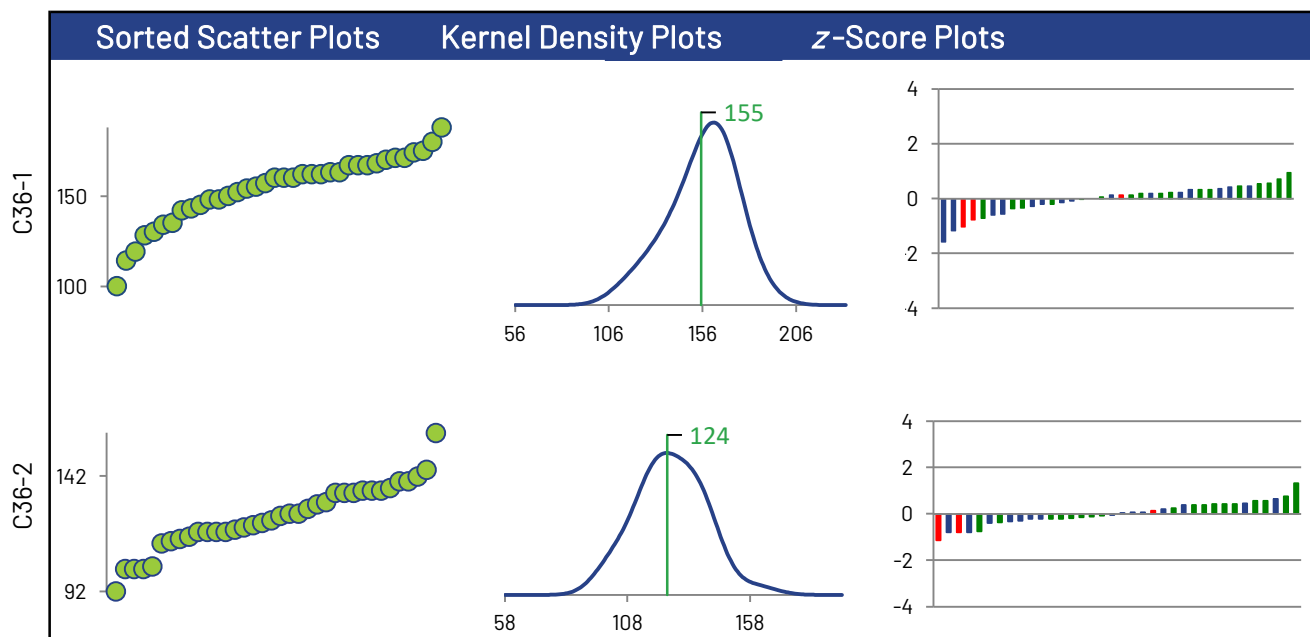
Summary Statistics

Statistic	C36-1	C36-2	C36-3	C36-4
No. of results used for summary statistics	36	36	36	35
Median µg/g	160	124	8.96	54.1
Robust Mean µg/g	155	124	8.93	53.8
Uncertainty of the Assigned Value µg/g	3.71	3.00	0.225	1.36
Robust Standard Deviation µg/g	17.8	14.4	1.08	6.43
Regression Standard Deviation µg/g	34.9	28.0	2.01	12.1
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) µg/g	34.9	28.0	2.01	12.1
Flagged Outliers	0	0	0	0
$ z > 3.0$	0	0	0	0
$2 < z < 3$	0	0	0	1
Failure Rate %*	0.0			

Methods Used

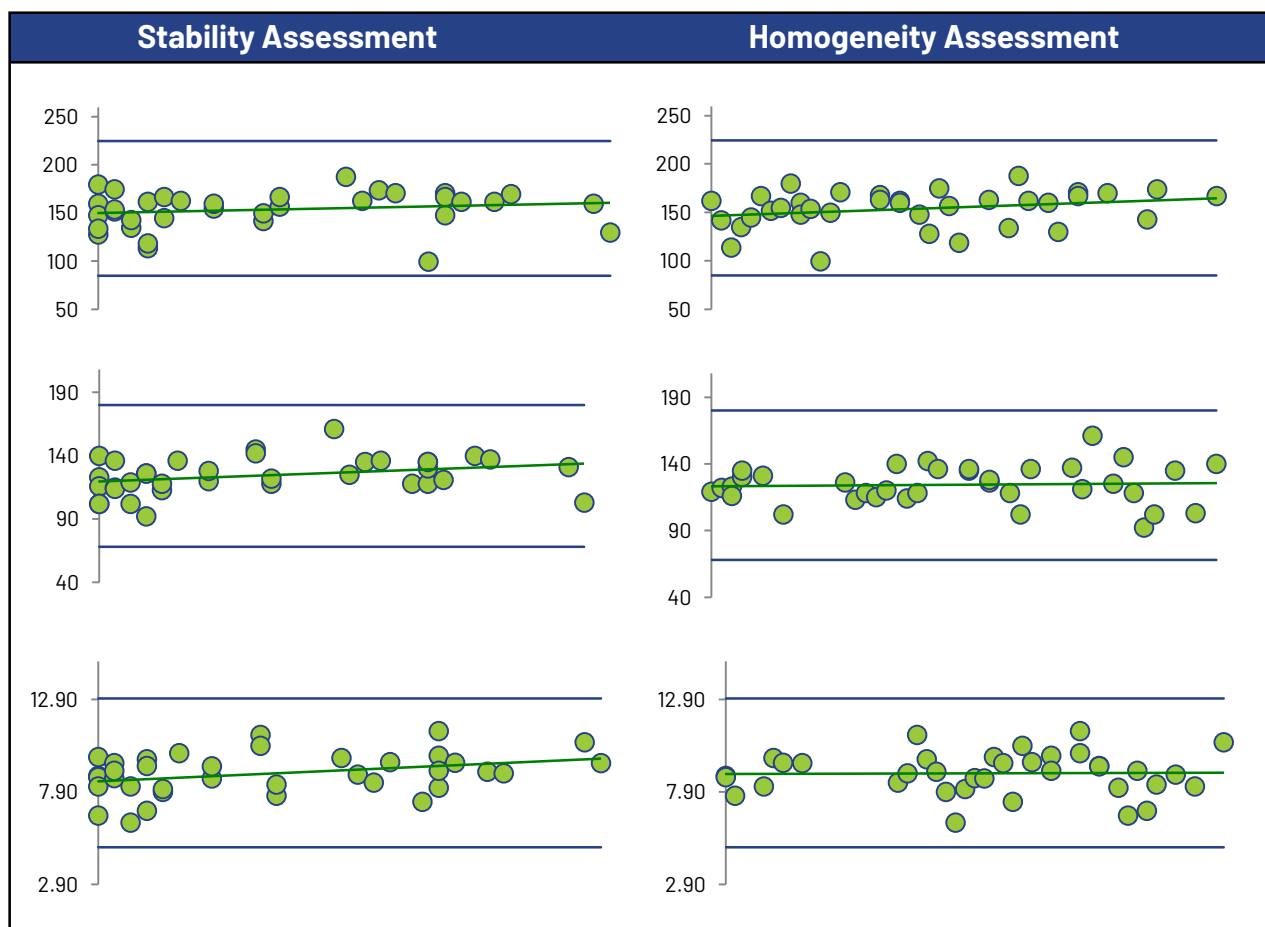
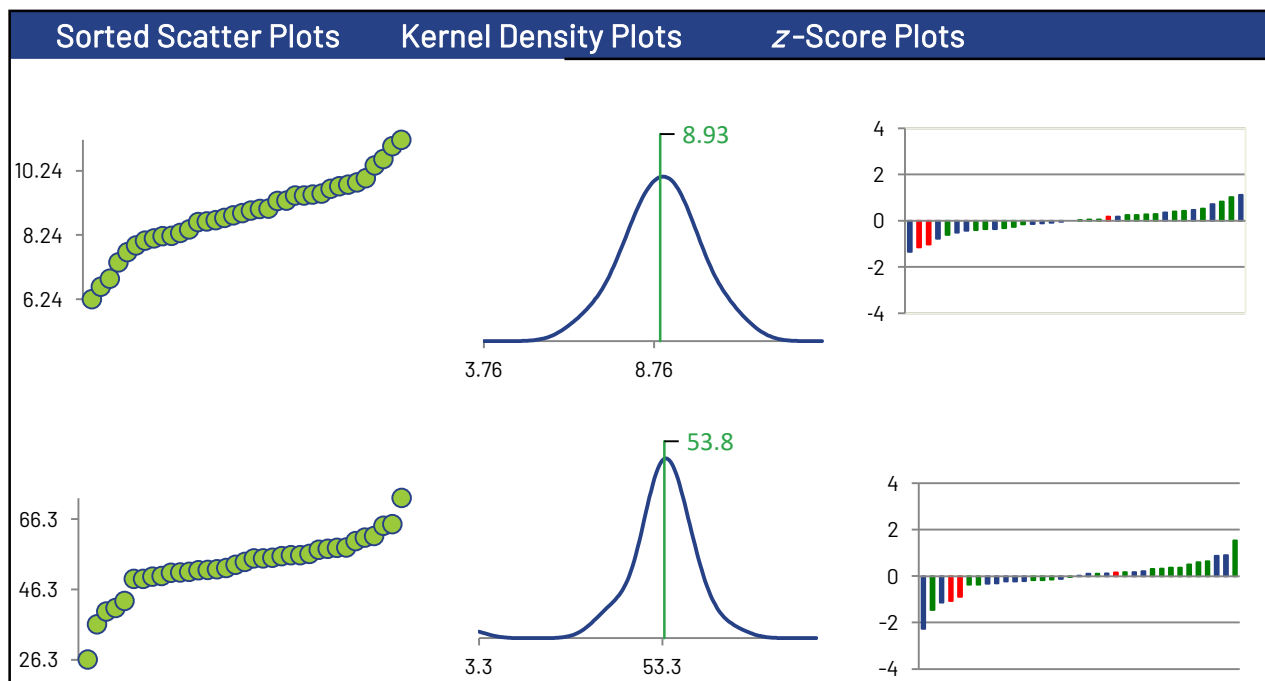
Method	C36-1	C36-2	C36-3	C36-4
GC/MS - HEADSPACE (Blue)	15	15	15	15
GC/MS (Red)	3	3	3	3
GC/MS - PURGE AND TRAP (Green)	18	18	18	17

All summary stats, except the failure rate, and the plots below are based on the data excluding any flagged outliers

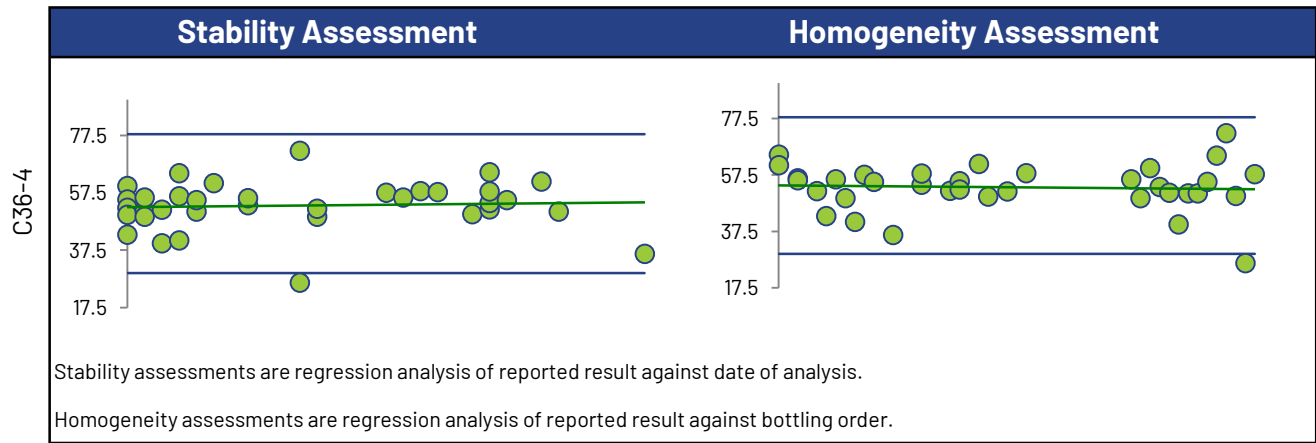


* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

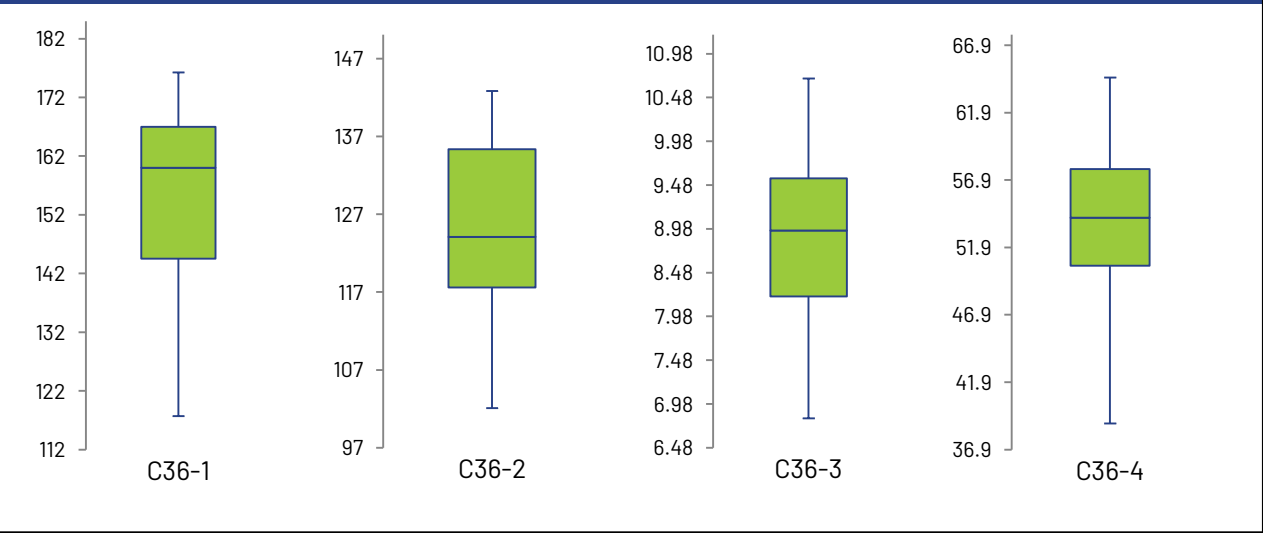
Tetrachloroethylene



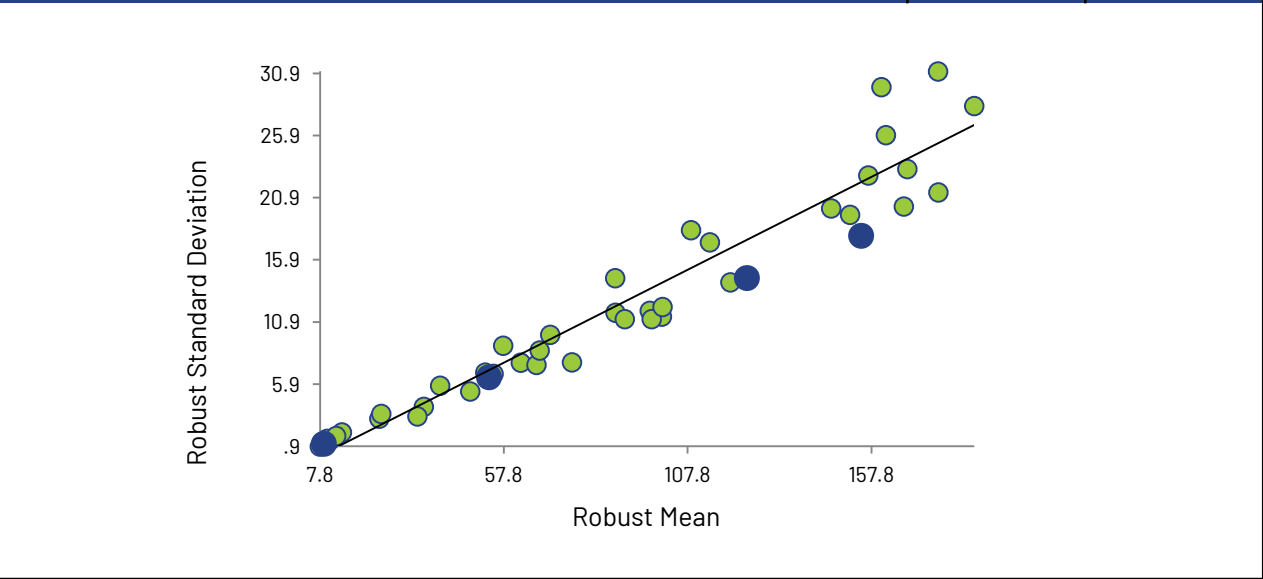
Tetrachloroethylene



Box and Whisker Plots



Current Round (blue) Compared to Historic Rounds (green)



Toluene

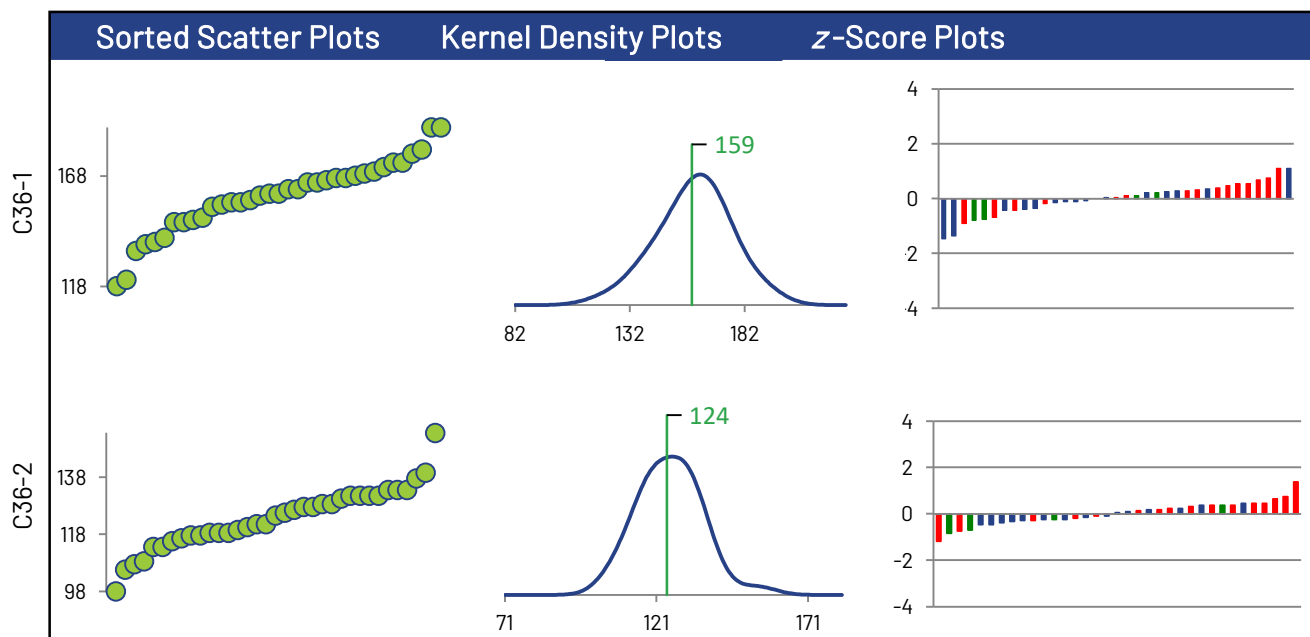
Summary Statistics

Statistic	C36-1	C36-2	C36-3	C36-4
No. of results used for summary statistics	35	35	34	35
Median µg/g	160	125	8.95	53.6
Robust Mean µg/g	159	124	9.04	53.1
Uncertainty of the Assigned Value µg/g	3.36	2.18	0.188	1.18
Robust Standard Deviation µg/g	15.9	10.3	0.878	5.59
Regression Standard Deviation µg/g	27.9	21.7	1.58	9.30
Stability Flag			Stability	
Homogeneity Flag				
Standard Deviation Used (SDPA) µg/g	27.9	21.7	1.69	9.30
Flagged Outliers	0	0	0	0
$ z > 3.0$	0	0	0	0
$2 < z < 3$	0	0	0	2
Failure Rate %*	0.0			

Methods Used

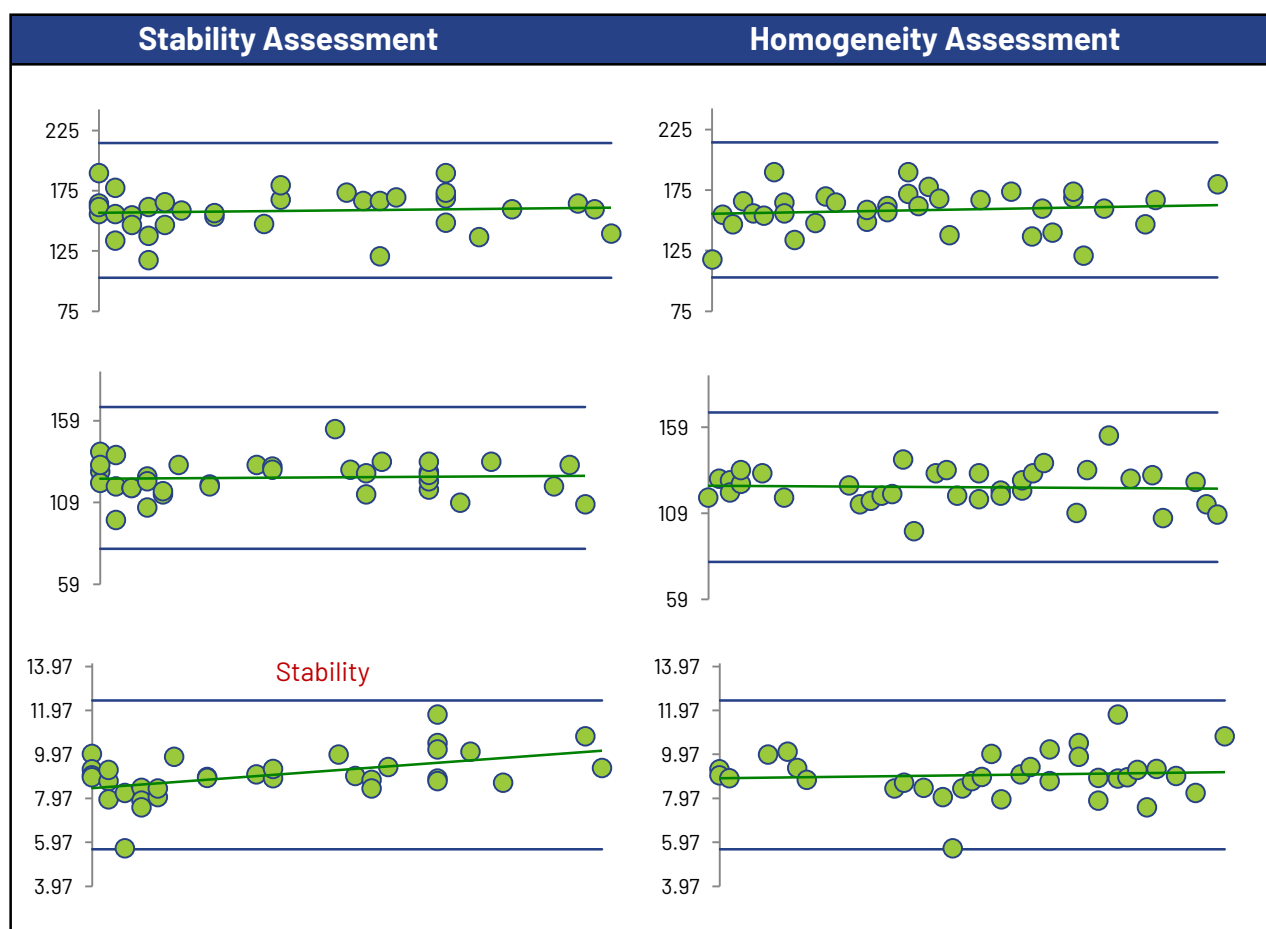
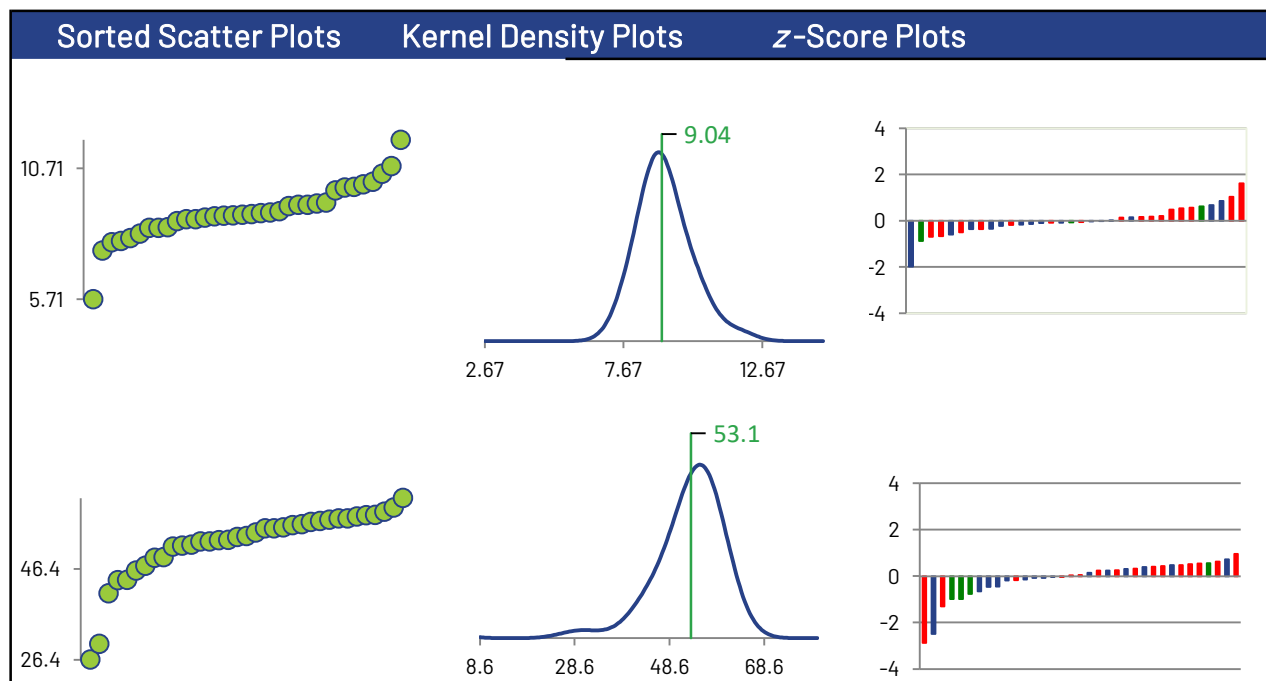
Method	C36-1	C36-2	C36-3	C36-4
GC/MS - HEADSPACE (Blue)	15	15	15	15
GC/MS - PURGE AND TRAP (Red)	16	16	16	16
GC/MS (Green)	4	4	3	4

All summary stats, except the failure rate, and the plots below are based on the data excluding any flagged outliers

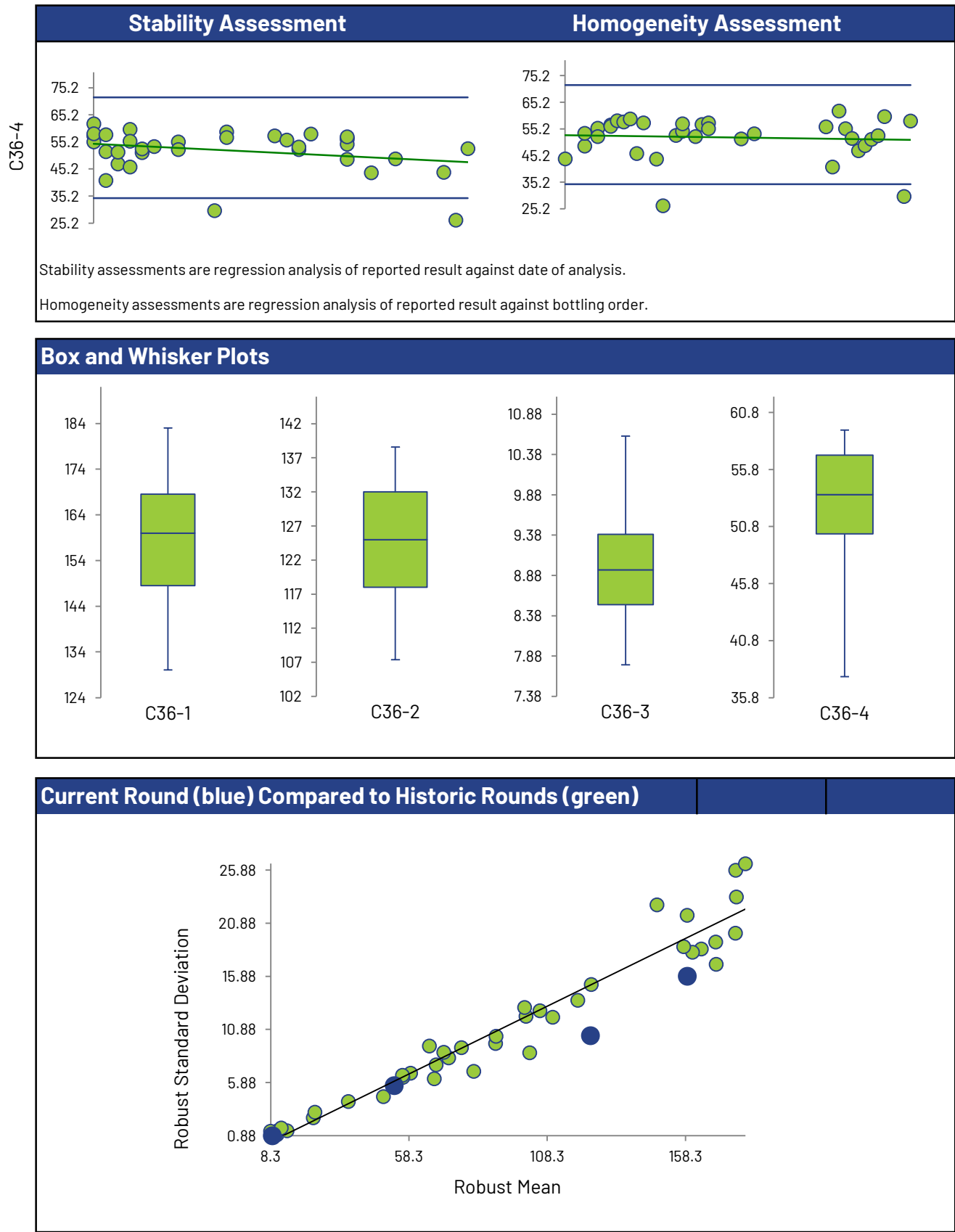


* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

Toluene



Toluene



trans-1,2-Dichloroethylene

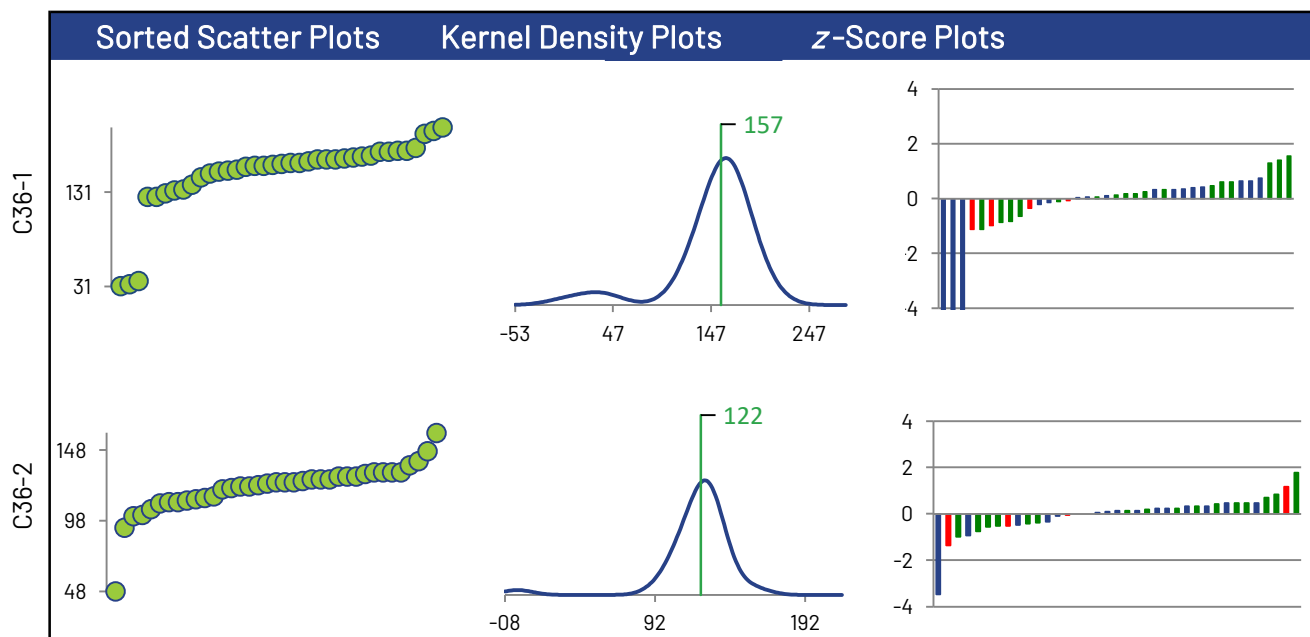
Summary Statistics

Statistic	C36-1	C36-2	C36-3	C36-4
No. of results used for summary statistics	37	37	37	37
Median µg/g	161	125	9.19	54.6
Robust Mean µg/g	157	122	9.18	54.5
Uncertainty of the Assigned Value µg/g	4.46	2.55	0.251	1.41
Robust Standard Deviation µg/g	21.7	12.4	1.22	6.84
Regression Standard Deviation µg/g	27.6	21.4	1.61	9.54
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) µg/g	27.6	21.4	1.61	9.54
Flagged Outliers	0	0	0	0
$ z > 3.0$	3	1	0	1
$2 < z < 3$	0	0	1	1
Failure Rate %*	2.7			

Methods Used

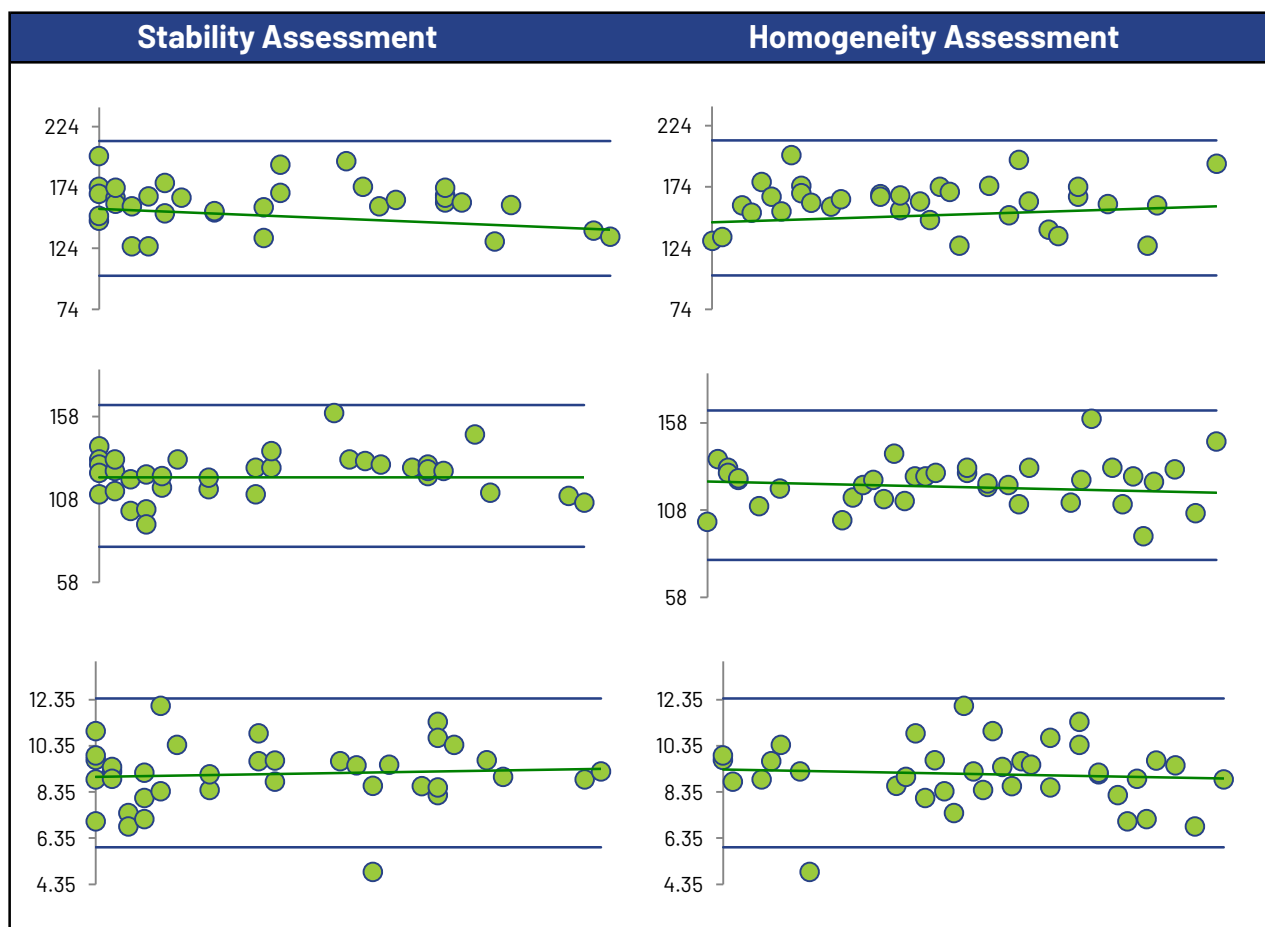
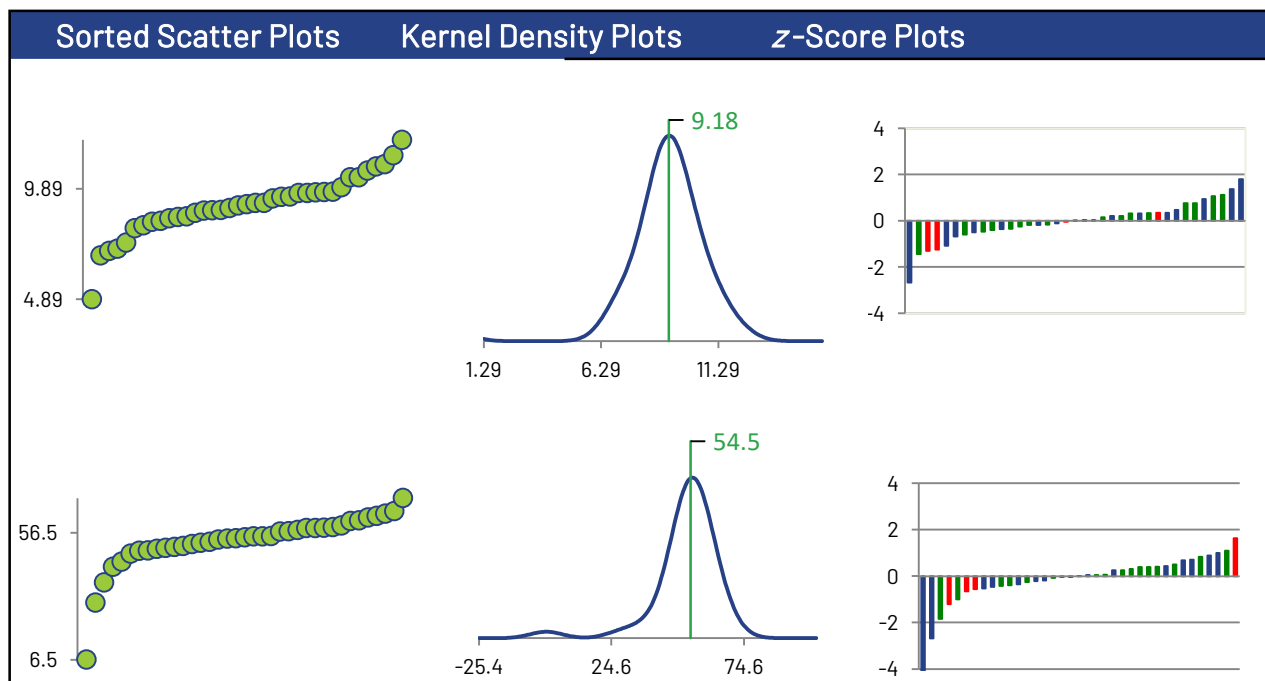
Method	C36-1	C36-2	C36-3	C36-4
GC/MS - HEADSPACE (Blue)	16	16	16	16
GC/MS (Red)	4	4	4	4
GC/MS - PURGE AND TRAP (Green)	17	17	17	17

All summary stats, except the failure rate, and the plots below are based on the data excluding any flagged outliers

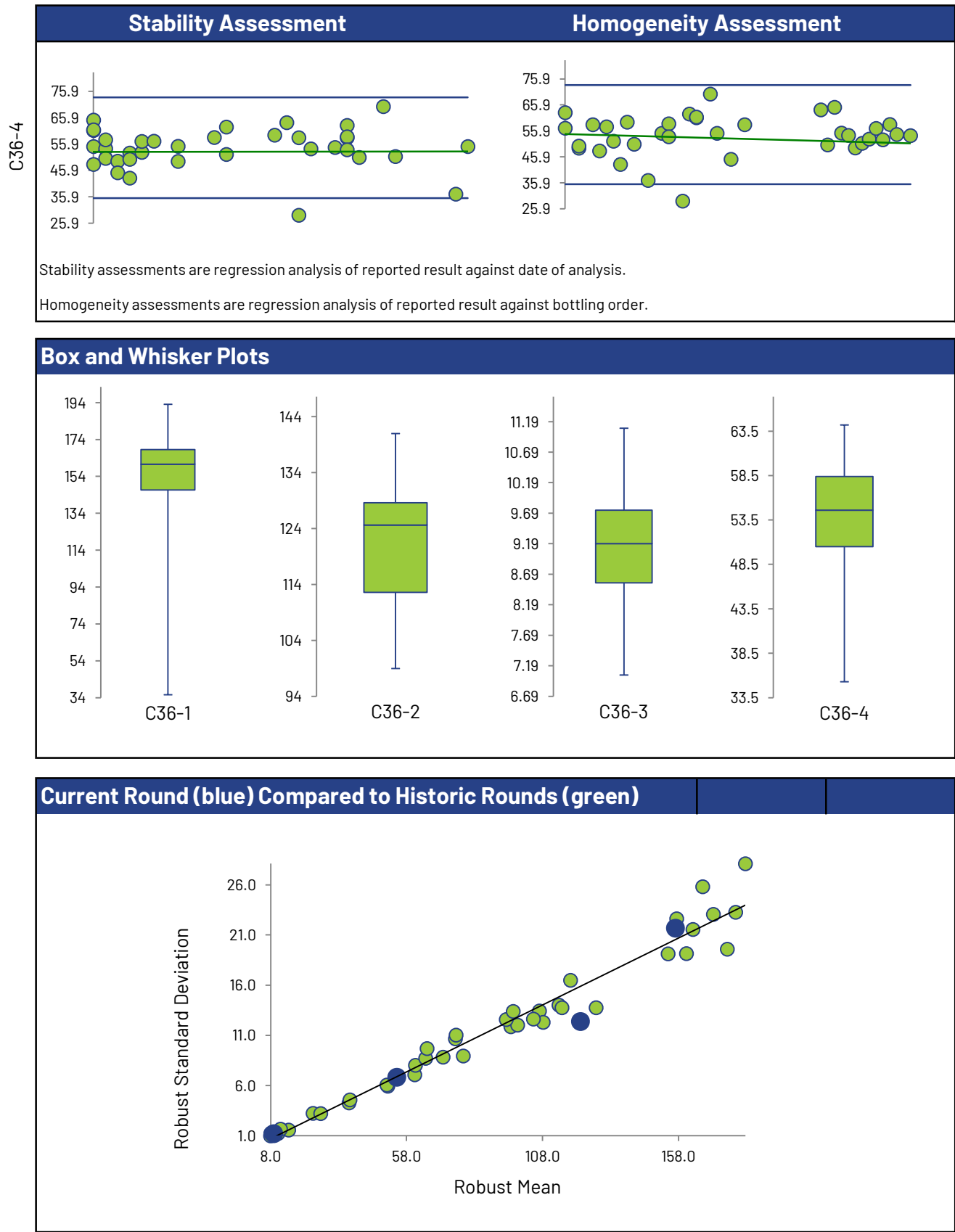


* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

trans-1,2-Dichloroethylene



trans-1,2-Dichloroethylene



trans-1,3-Dichloropropene

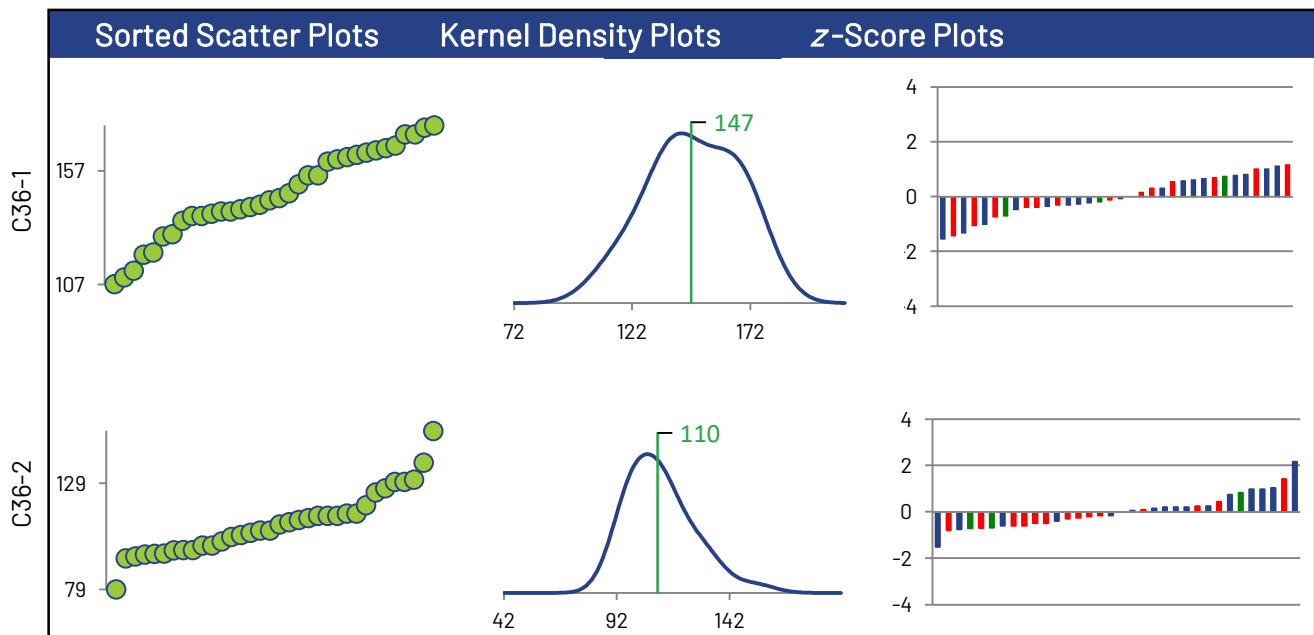
Summary Statistics

Statistic	C36-1	C36-2	C36-3	C36-4
No. of results used for summary statistics	34	34	34	34
Median µg/g	145	109	9.20	48.1
Robust Mean µg/g	147	110	9.17	47.5
Uncertainty of the Assigned Value µg/g	4.52	3.04	0.285	1.23
Robust Standard Deviation µg/g	21.1	14.2	1.33	5.76
Regression Standard Deviation µg/g	25.8	19.2	1.61	8.32
Stability Flag		Stability		
Homogeneity Flag				
Standard Deviation Used (SDPA) µg/g	25.8	20.4	1.61	8.32
Flagged Outliers	0	0	0	0
$ z > 3.0$	0	0	0	0
$2 < z < 3$	0	1	0	1
Failure Rate %*	0.0			

Methods Used

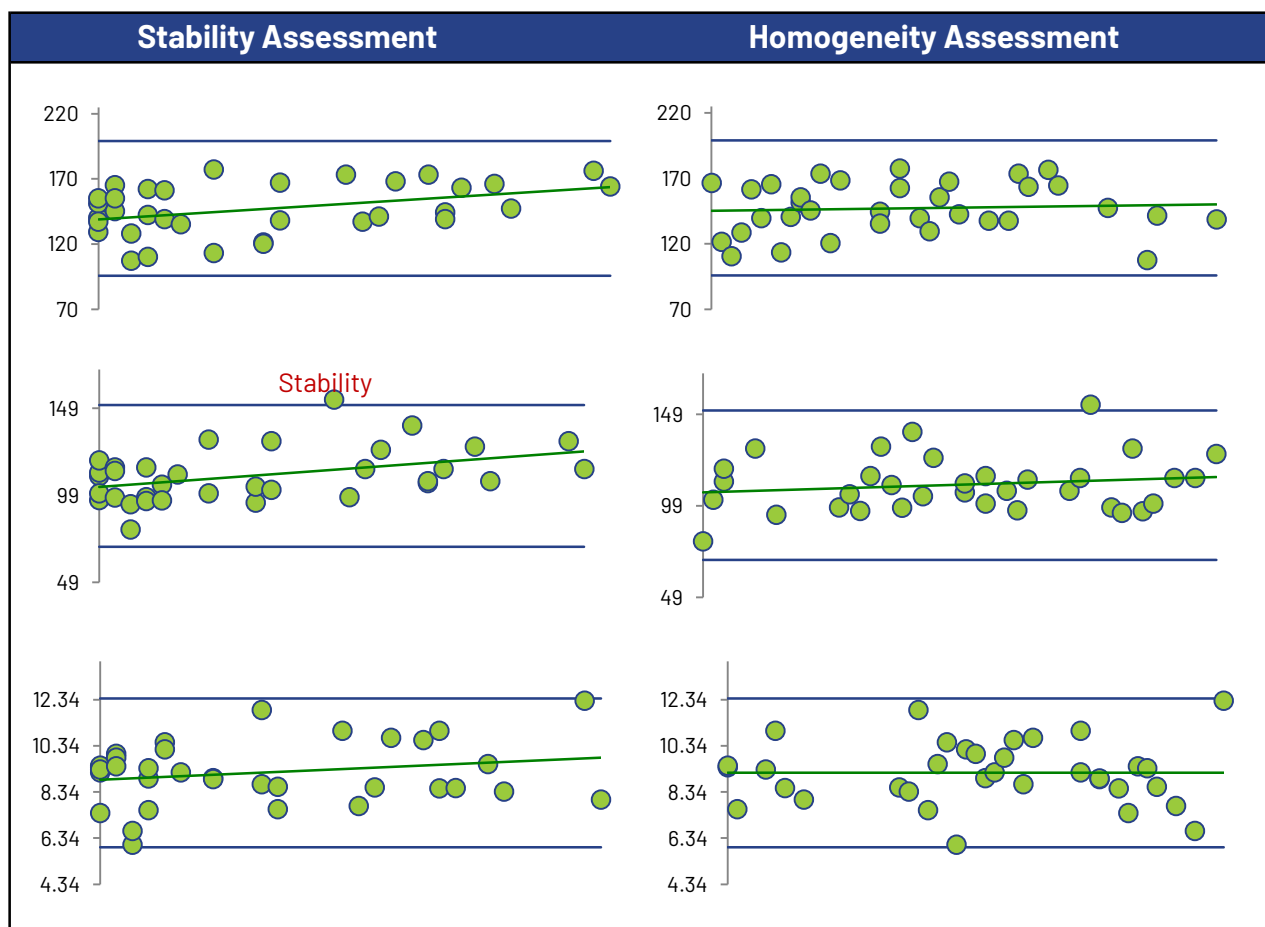
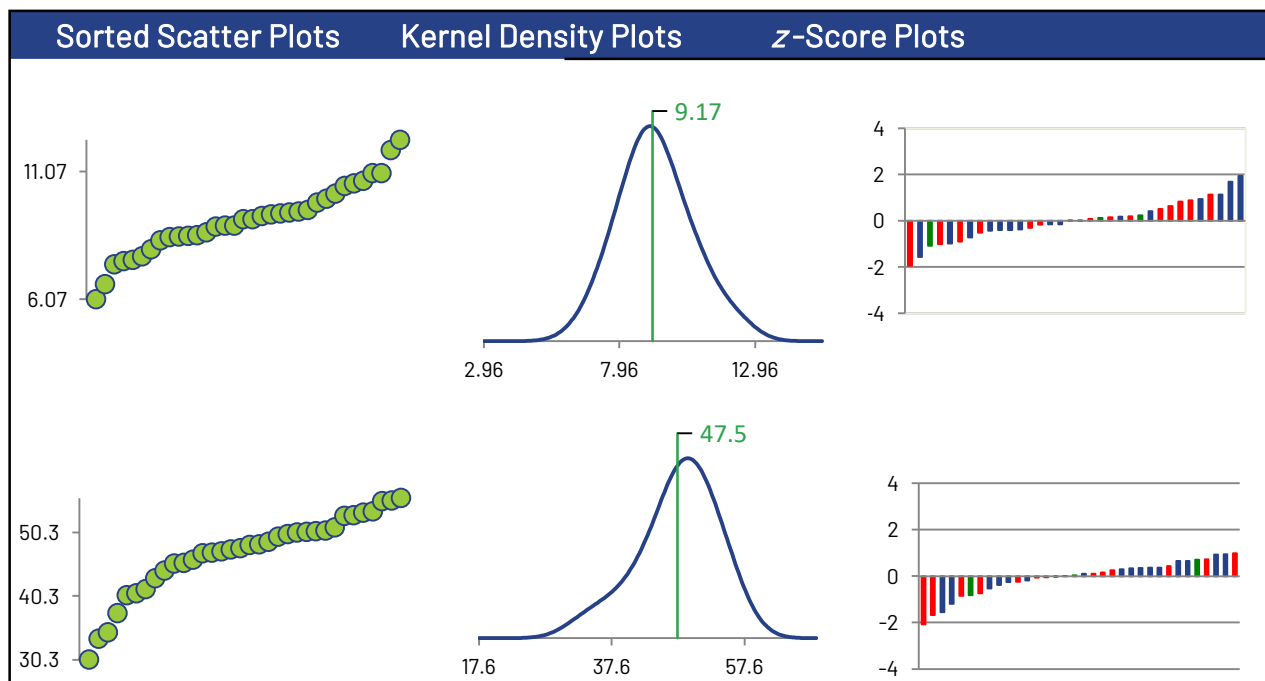
Method	C36-1	C36-2	C36-3	C36-4
GC/MS - PURGE AND TRAP (Blue)	17	17	17	17
GC/MS - HEADSPACE (Red)	14	14	14	14
GC/MS (Green)	3	3	3	3

All summary stats, except the failure rate, and the plots below are based on the data excluding any flagged outliers

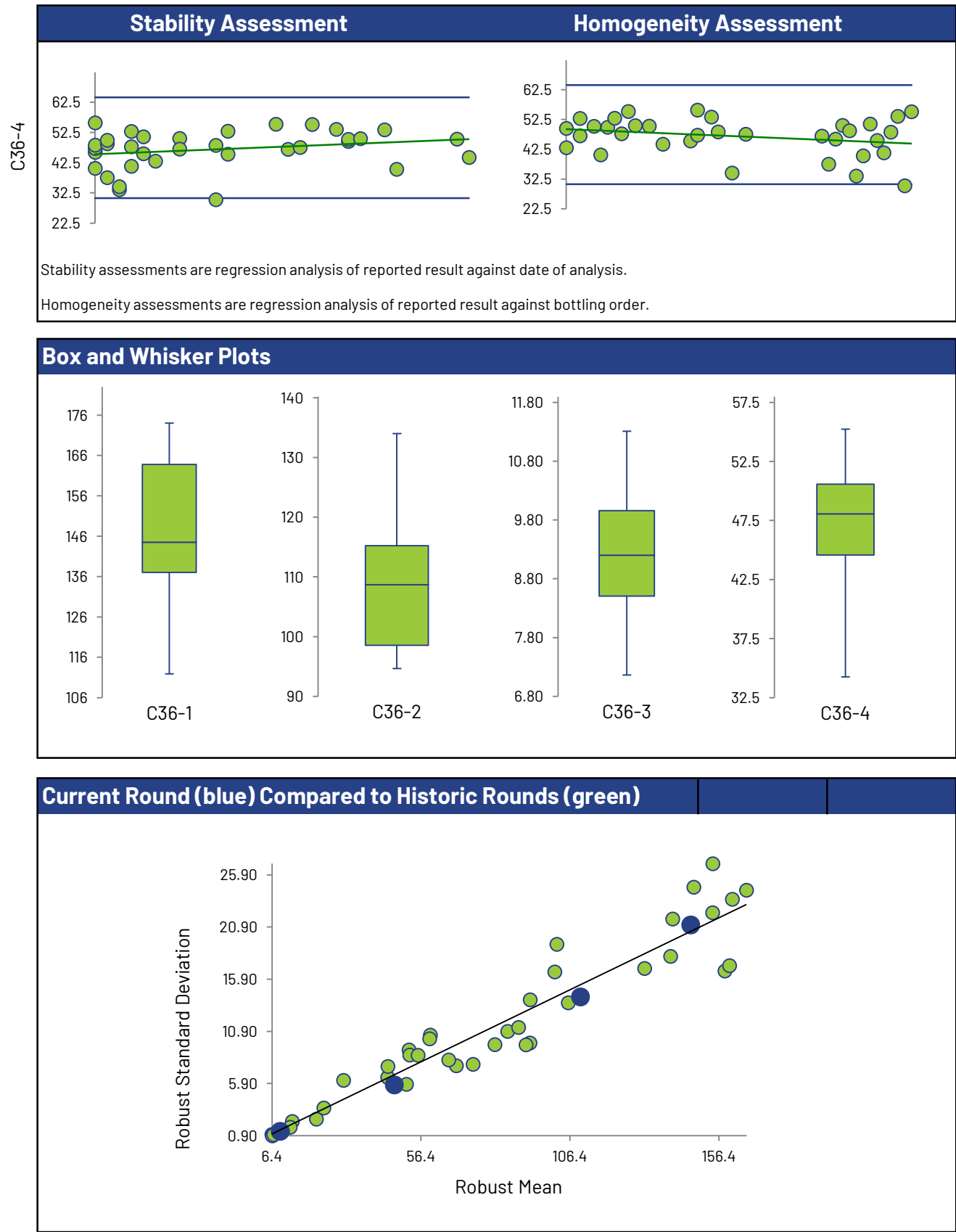


* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

trans-1,3-Dichloropropene



trans-1,3-Dichloropropene



Trichloroethylene

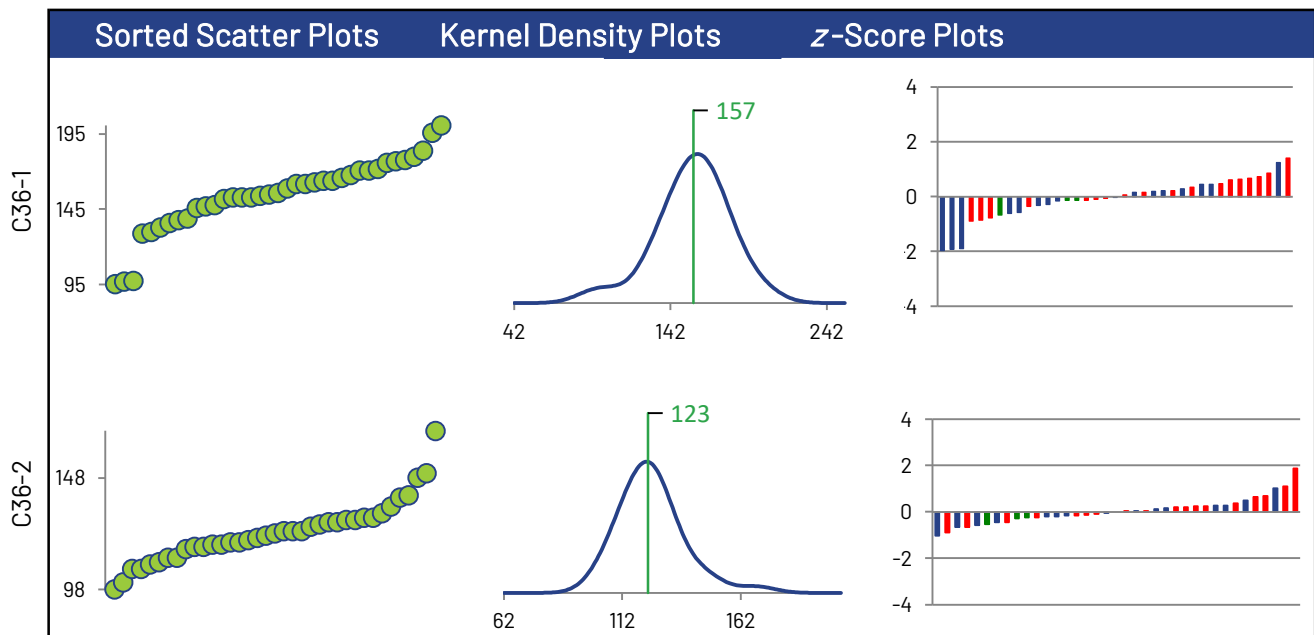
Summary Statistics

Statistic	C36-1	C36-2	C36-3	C36-4
No. of results used for summary statistics	37	37	37	37
Median µg/g	156	123	8.76	53.9
Robust Mean µg/g	157	123	8.78	54.1
Uncertainty of the Assigned Value µg/g	4.23	2.42	0.201	1.16
Robust Standard Deviation µg/g	20.6	11.8	0.977	5.63
Regression Standard Deviation µg/g	31.3	24.6	1.76	10.8
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) µg/g	31.3	24.6	1.76	10.8
Flagged Outliers	0	0	0	0
$ z > 3.0$	0	0	0	0
$2 < z < 3$	0	0	0	1
Failure Rate %*	0.0			

Methods Used

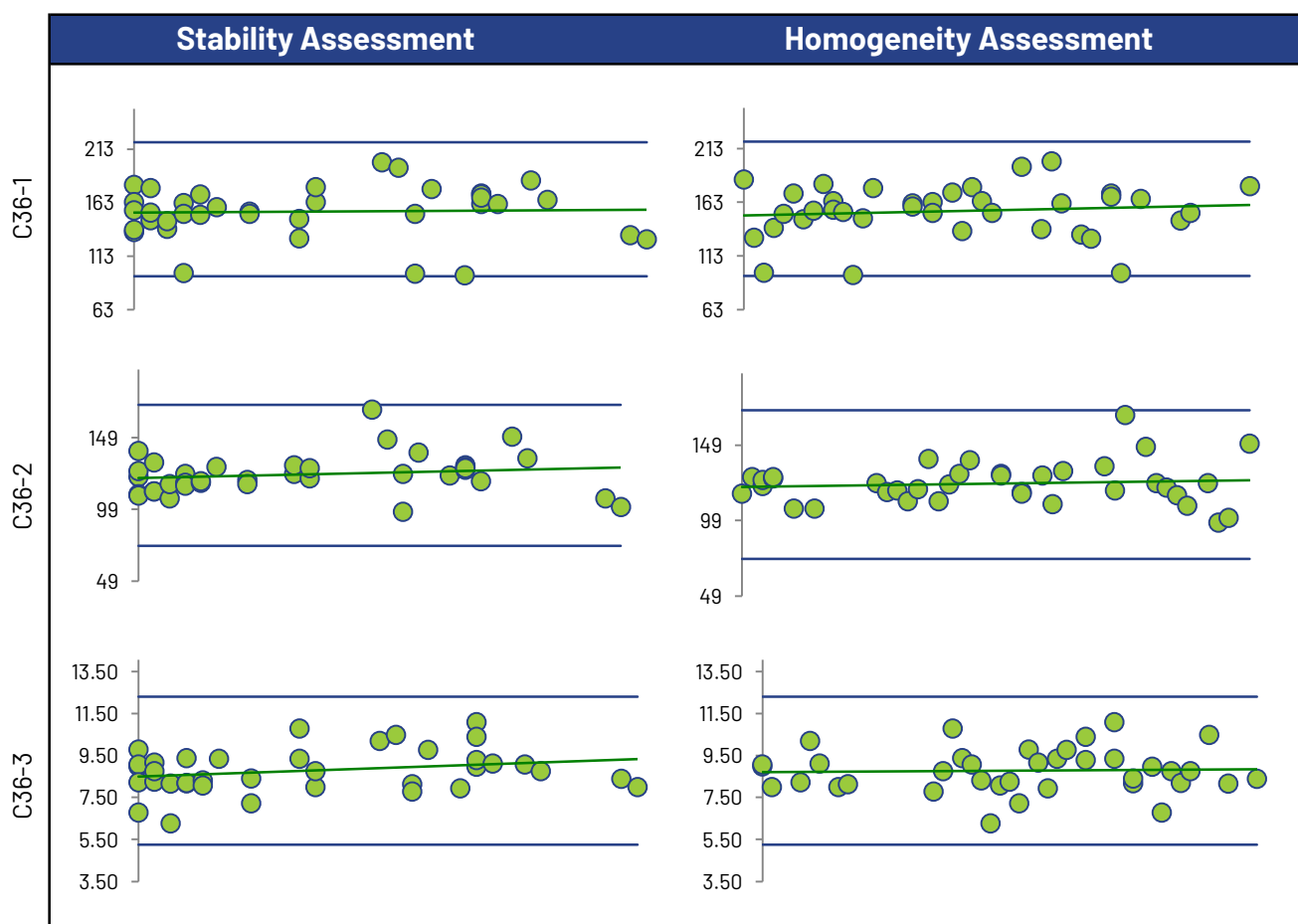
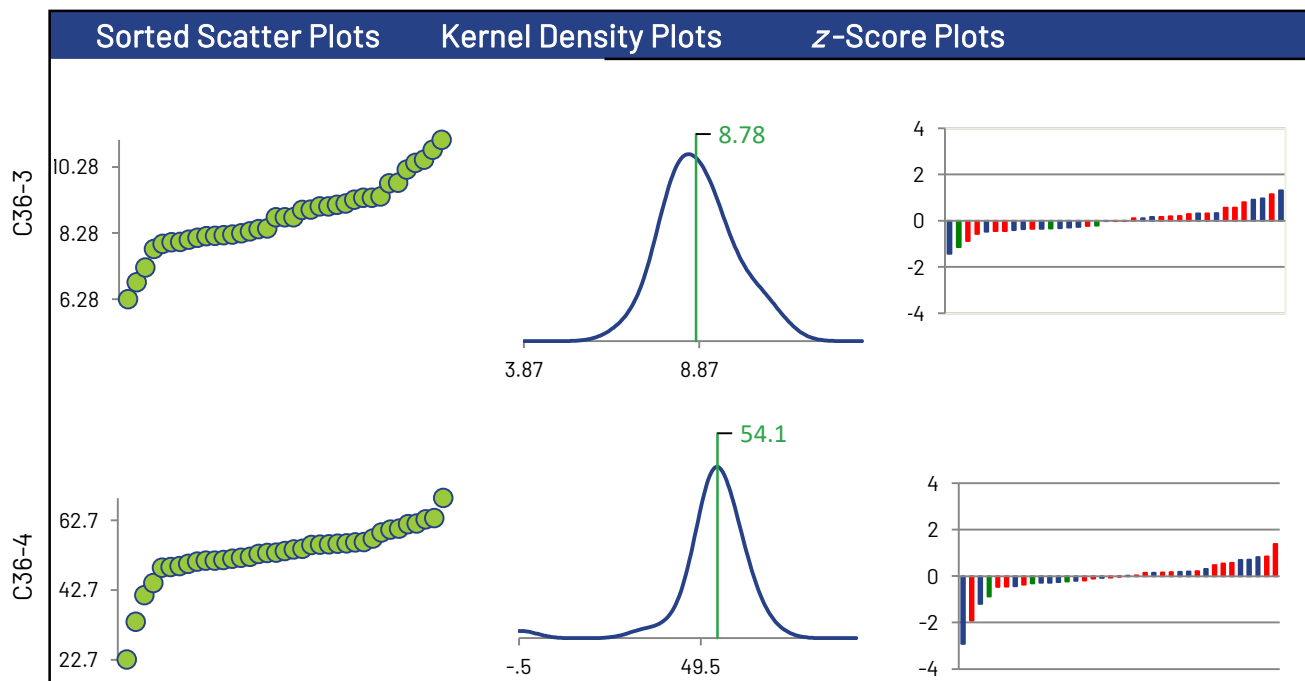
Method	C36-1	C36-2	C36-3	C36-4
GC/MS - HEADSPACE (Blue)	16	16	16	16
GC/MS - PURGE AND TRAP (Red)	18	18	18	18
GC/MS (Green)	3	3	3	3

All summary stats, except the failure rate, and the plots below are based on the data excluding any flagged outliers

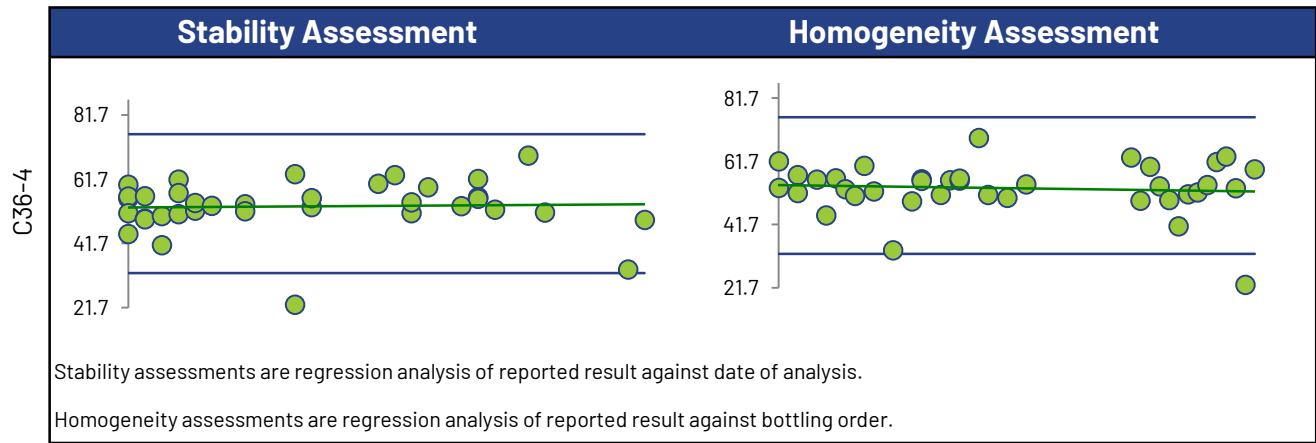


* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

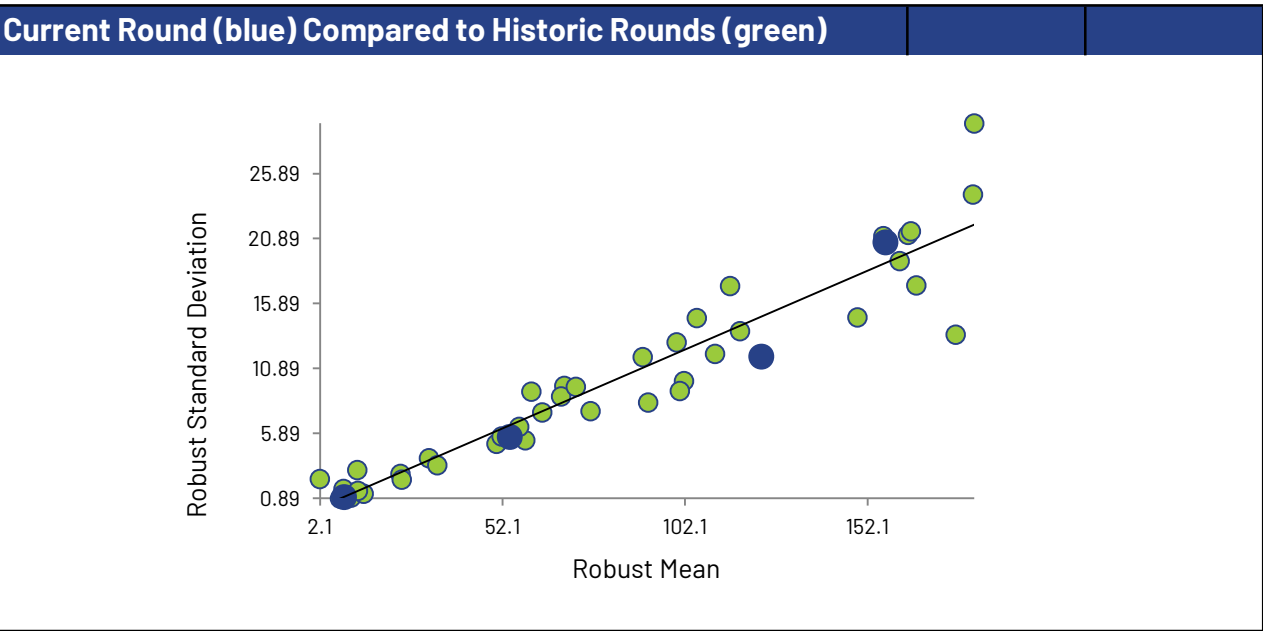
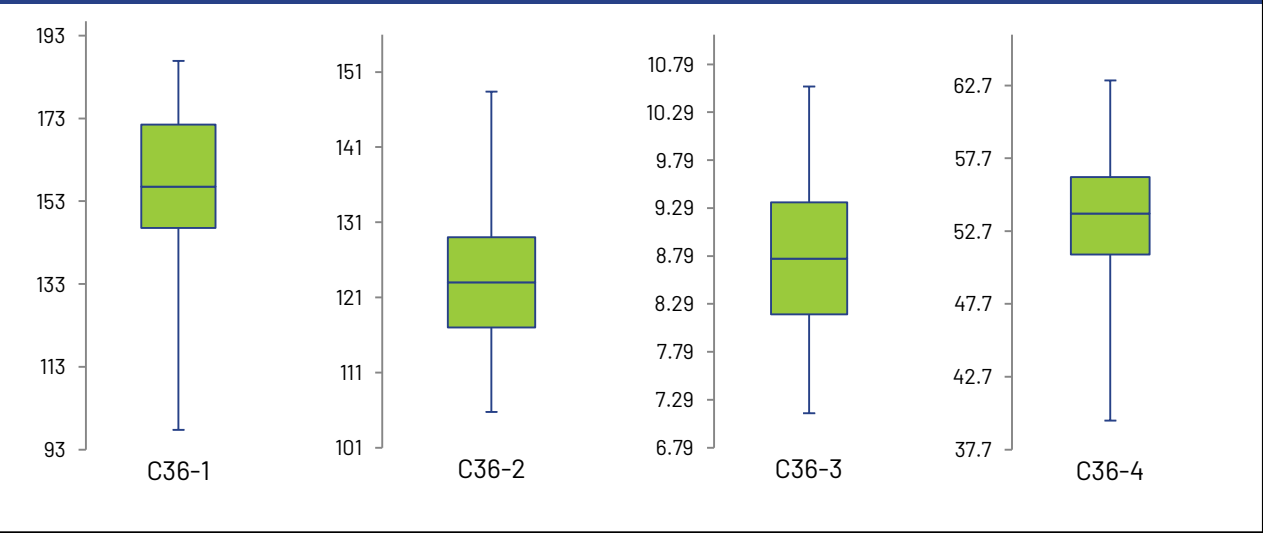
Trichloroethylene



Trichloroethylene



Box and Whisker Plots



Trichlorofluoromethane

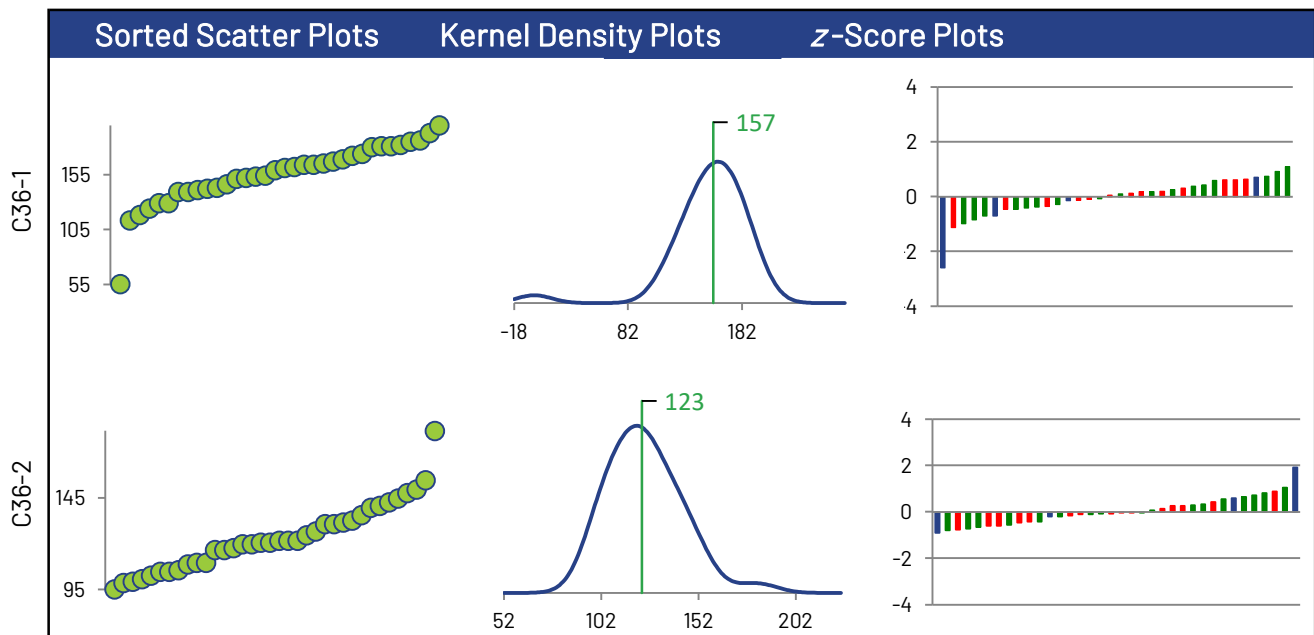
Summary Statistics

Statistic	C36-1	C36-2	C36-3	C36-4
No. of results used for summary statistics	34	36	36	35
Median µg/g	160	122	9.56	52.0
Robust Mean µg/g	157	123	9.56	52.8
Uncertainty of the Assigned Value µg/g	5.34	3.83	0.258	1.88
Robust Standard Deviation µg/g	24.9	18.4	1.24	8.91
Regression Standard Deviation µg/g	39.3	30.7	2.39	13.2
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) µg/g	39.3	30.7	2.39	13.2
Flagged Outliers	2	0	0	1
$ z > 3.0$	0	0	0	0
$2 < z < 3$	1	0	0	0
Failure Rate %*	0.0			

Methods Used

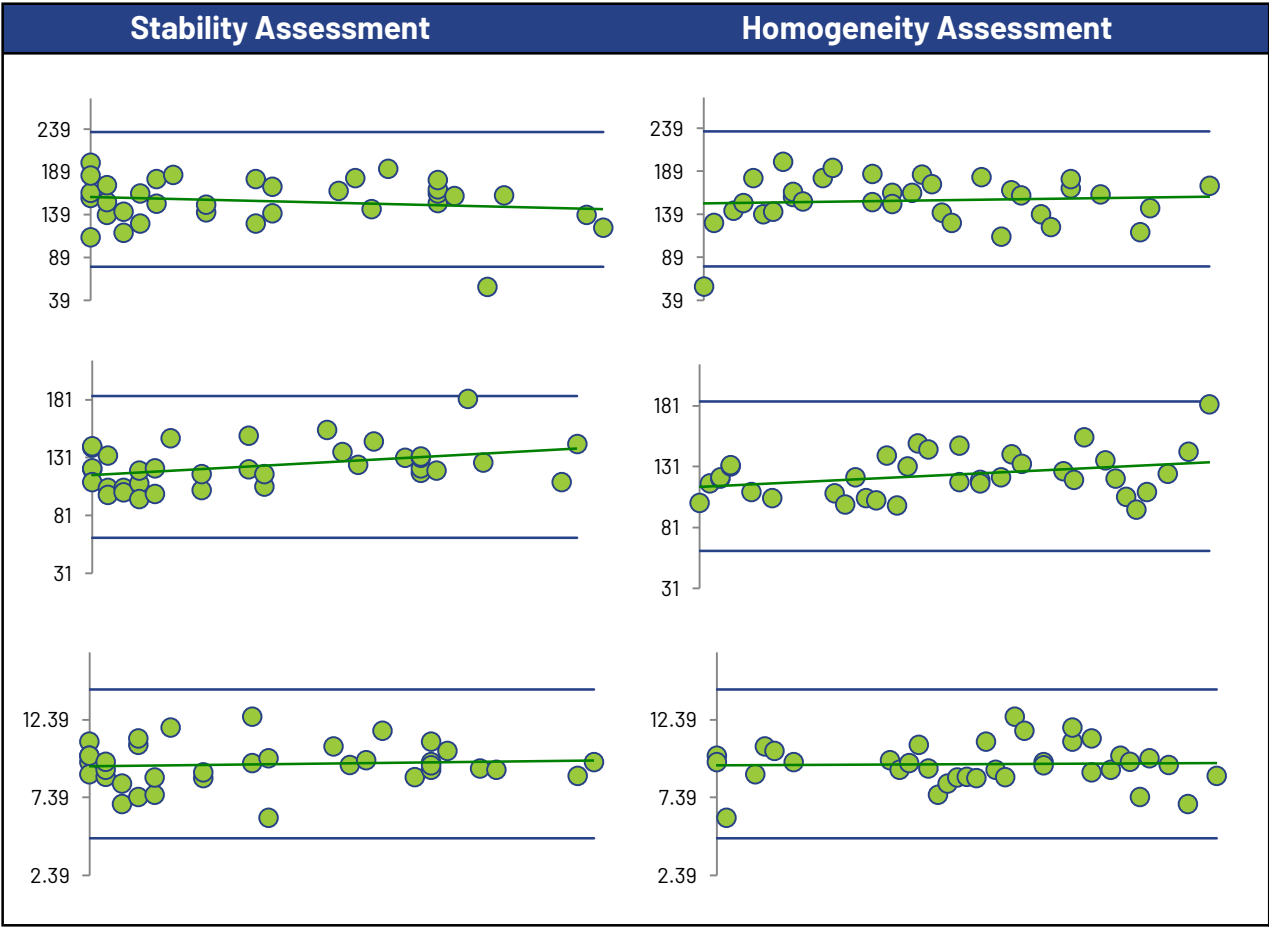
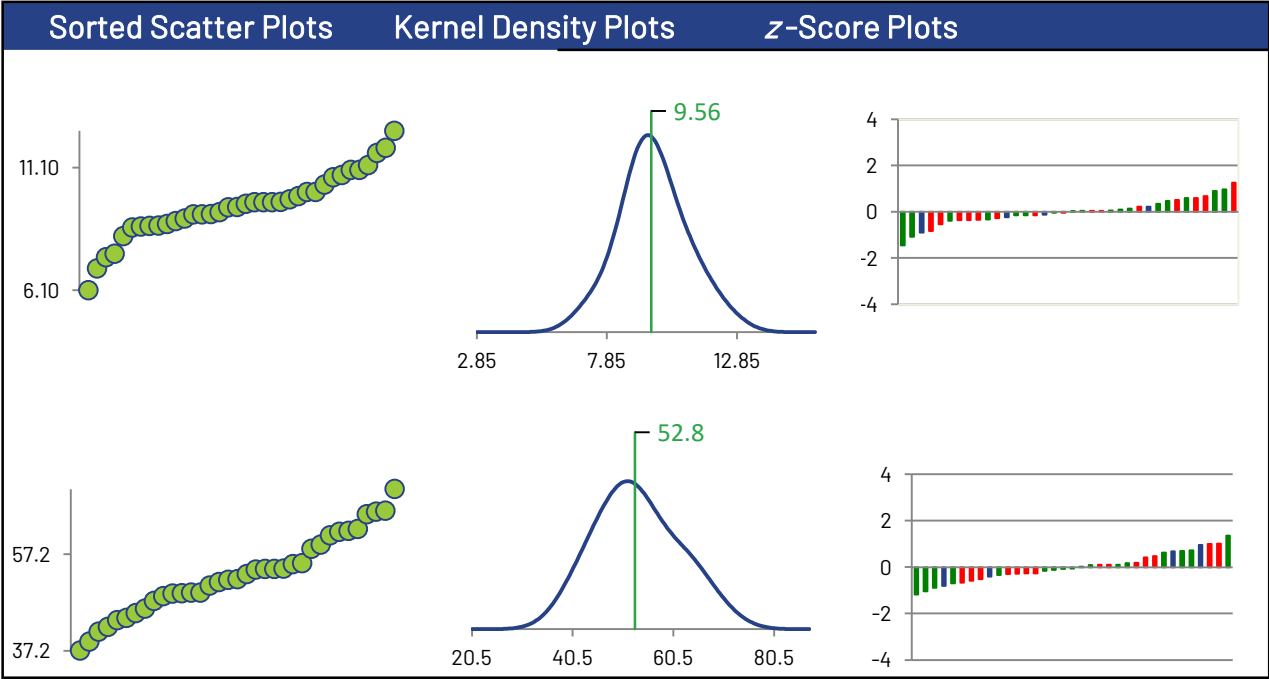
Method	C36-1	C36-2	C36-3	C36-4
GC/MS (Blue)	4	4	4	4
GC/MS - HEADSPACE (Red)	13	15	15	14
GC/MS - PURGE AND TRAP (Green)	17	17	17	17

All summary stats, except the failure rate, and the plots below are based on the data excluding any flagged outliers

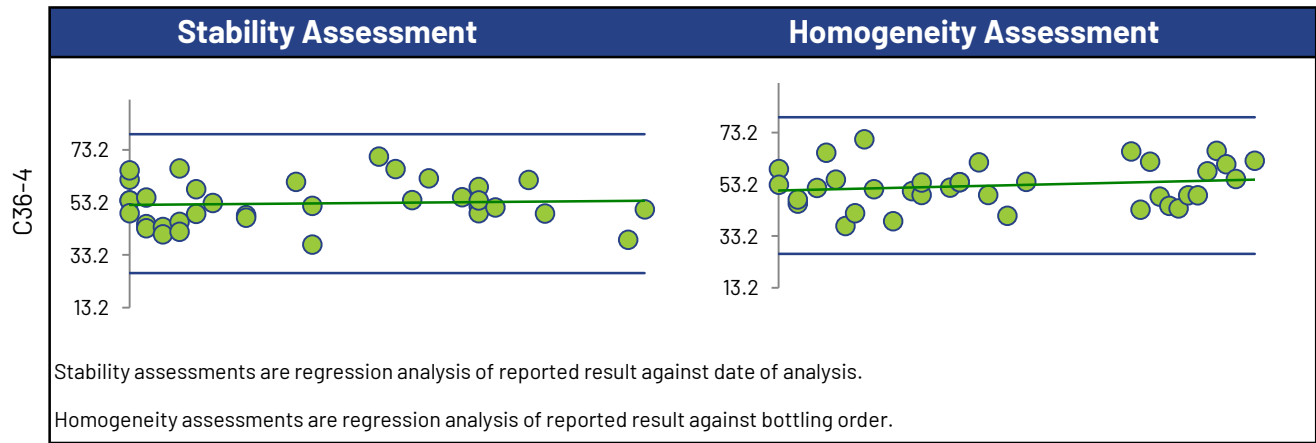


* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

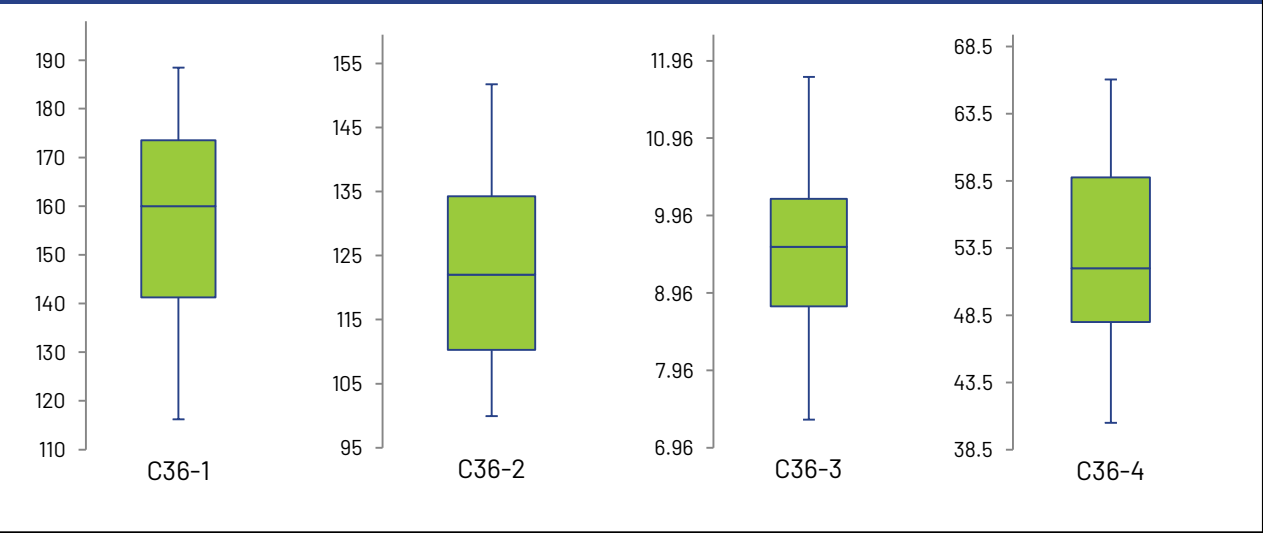
Trichlorofluoromethane



Trichlorofluoromethane



Box and Whisker Plots



Current Round (blue) Compared to Historic Rounds (green)

