

Test Group Summary Report

C36 Volatile Organic Compounds in Soil

June 2026 PT Round

Issued: August 10, 2026

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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 participant-specific PTC Proficiency Testing Report contains some terms that new participants may not be familiar with.

<i>Code</i> :	The registration code that is unique to each analyte that a participant is registered for.
<i>App</i> :	If a participant is accredited by CALA, this three-digit number 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</i> :	The Assigned Value is the robust mean of the reported results, outliers excluded. This is often referred to as the “target” value.
<i>±u</i> :	The uncertainty of the assigned value.
<i>Reported</i> :	The result reported by the participant.
<i>s</i> :	The Standard Deviation of Proficiency Assessment (SDPA). This value is used to determine the acceptance limits for the PT evaluation.
<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>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.

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 13528:2015 *Statistical methods for use in proficiency testing by interlaboratory comparisons*.

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.PTCCanada.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

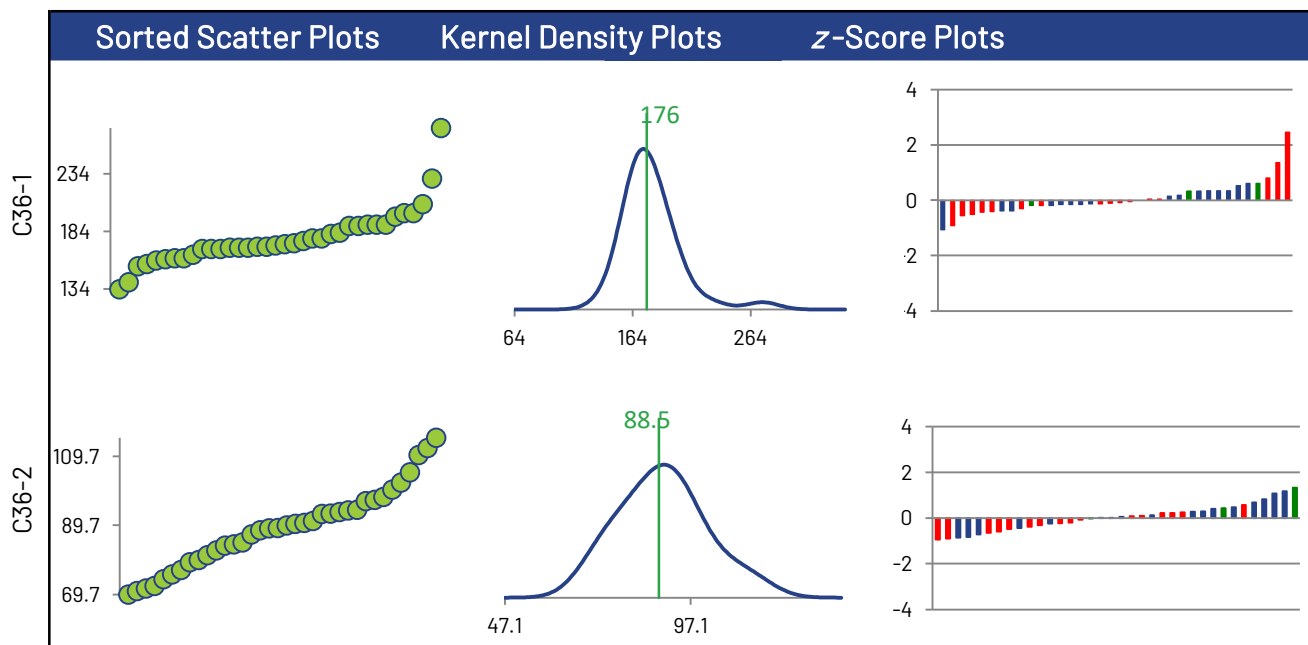
Summary Statistics

Statistic	C36-1	C36-2	C36-3	C36-4
No. of results used for summary statistics	36	36	36	36
Median µg/g	173	89.3	121	17.2
Robust Mean µg/g	176	88.5	122	17.2
Uncertainty of the Assigned Value µg/g	3.69	2.52	2.60	0.344
Robust Standard Deviation µg/g	17.7	12.1	12.5	1.65
Regression Standard Deviation µg/g	39.6	19.9	27.5	3.86
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) µg/g	39.6	19.9	27.5	3.86
Flagged Outliers	0	0	0	0
$ z > 3.0$	0	0	0	0
$2 < z < 3$	1	0	1	0
Failure Rate %*	0.0			

Methods Used

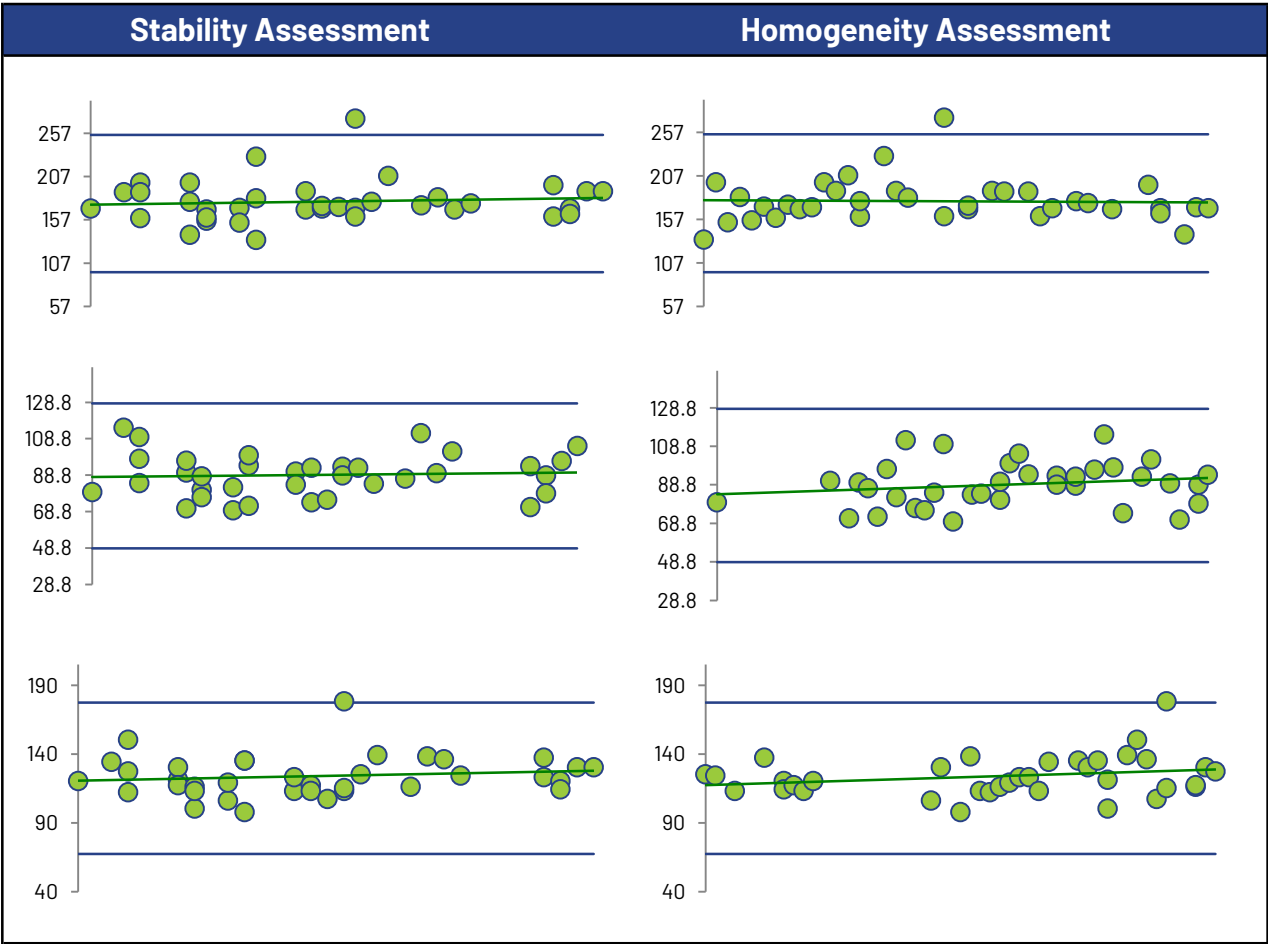
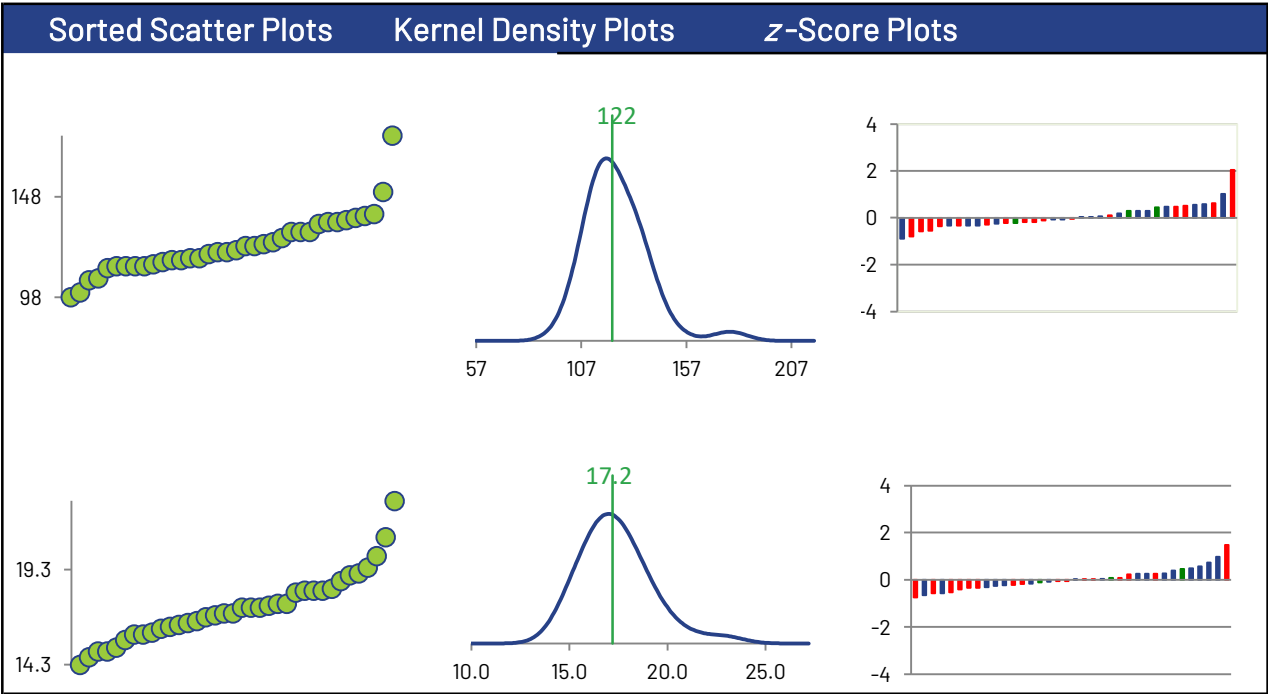
Method	C36-1	C36-2	C36-3	C36-4
GC/MS - PURGE AND TRAP (Blue)	17	17	17	17
GC/MS - HEADSPACE (Red)	16	16	16	16
GC/MS (Green)	3	3	3	3

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

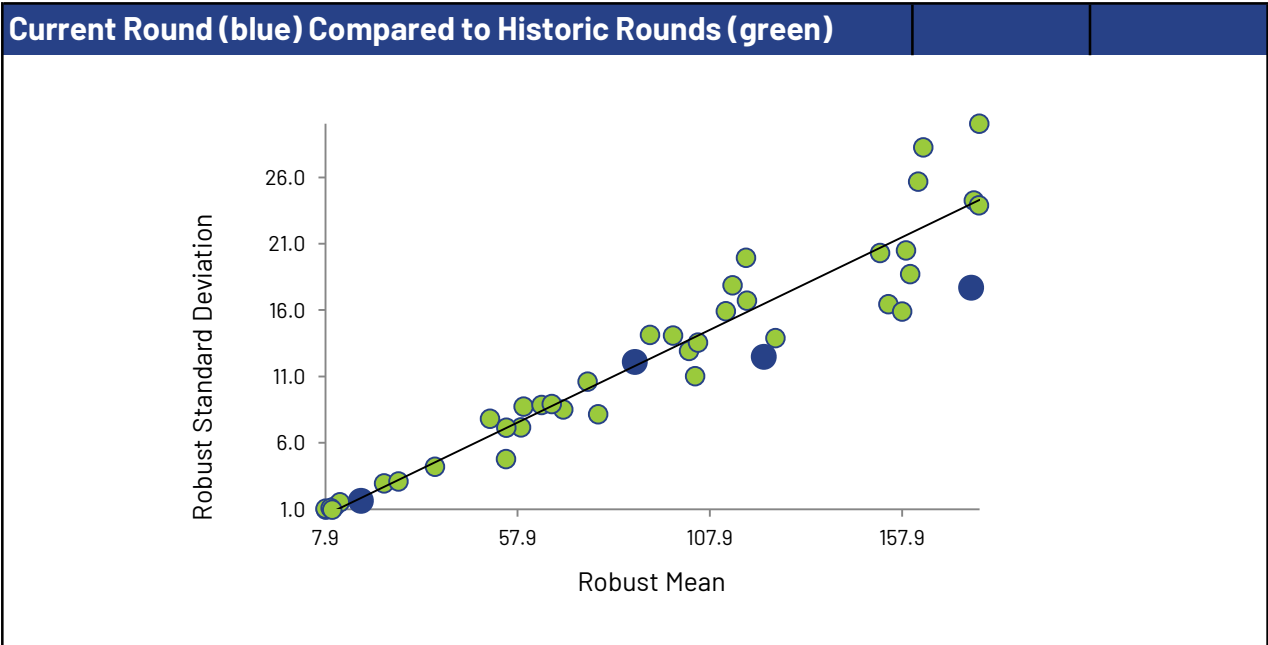
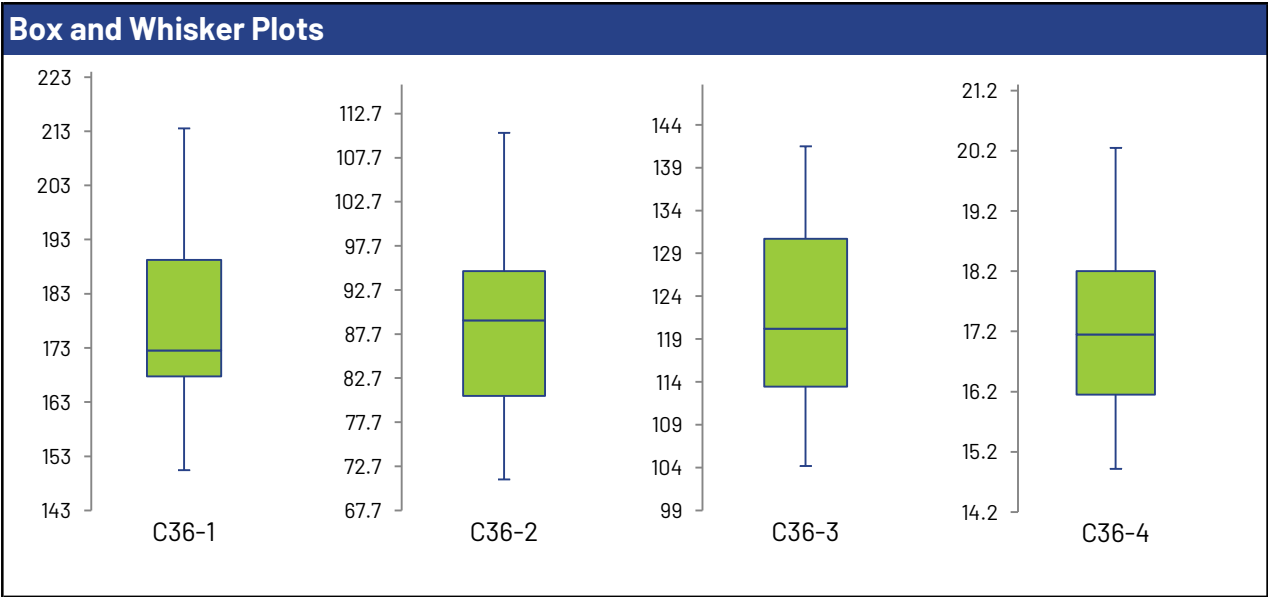
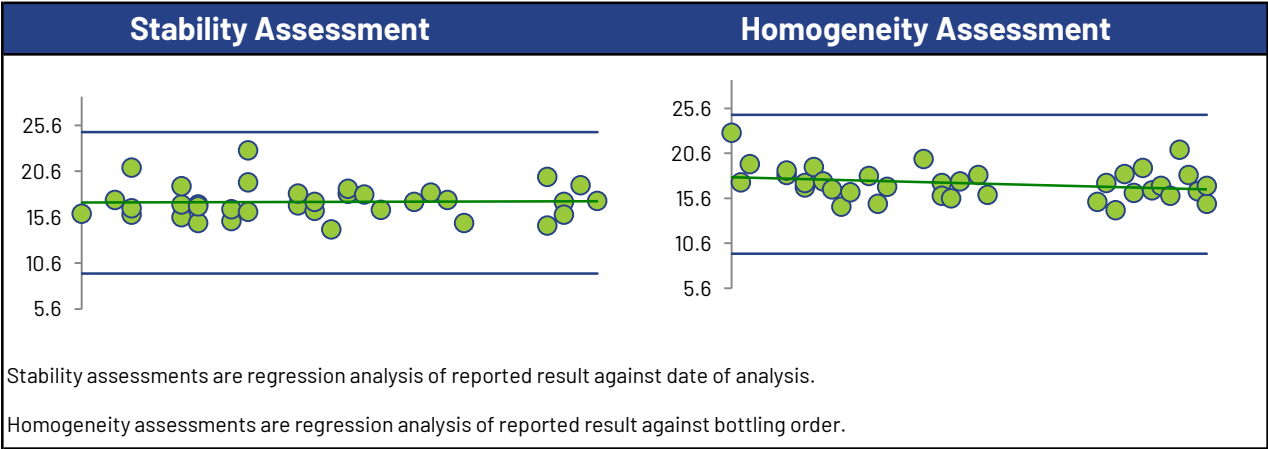


* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

1,1,1-Trichloroethane



1,1,1-Trichloroethane



1,1,2,2-Tetrachloroethane

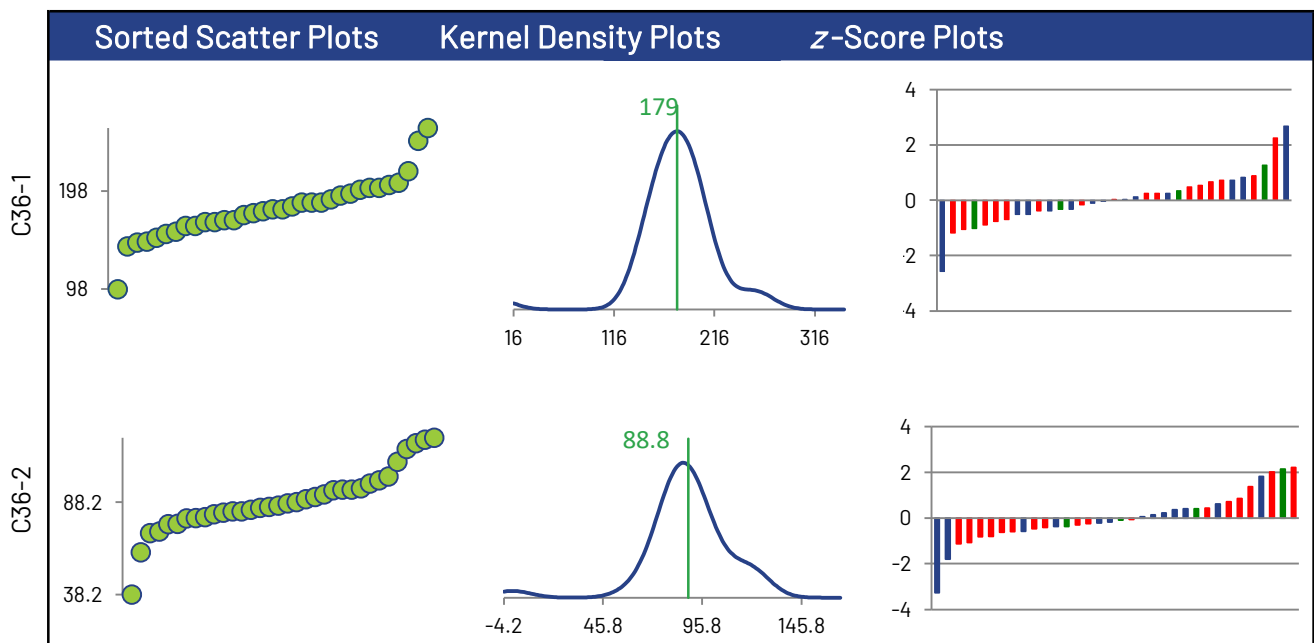
Summary Statistics

Statistic	C36-1	C36-2	C36-3	C36-4
No. of results used for summary statistics	33	34	34	33
Median µg/g	180	86.8	122	17.6
Robust Mean µg/g	179	88.8	124	17.4
Uncertainty of the Assigned Value µg/g	5.53	2.98	3.58	0.479
Robust Standard Deviation µg/g	25.4	13.9	16.7	2.20
Regression Standard Deviation µg/g	31.4	15.5	21.7	3.04
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) µg/g	31.4	15.5	21.7	3.04
Flagged Outliers	0	0	0	0
z >3.0	0	1	1	1
2< z <3	3	3	0	1
Failure Rate %*	5.9			

Methods Used

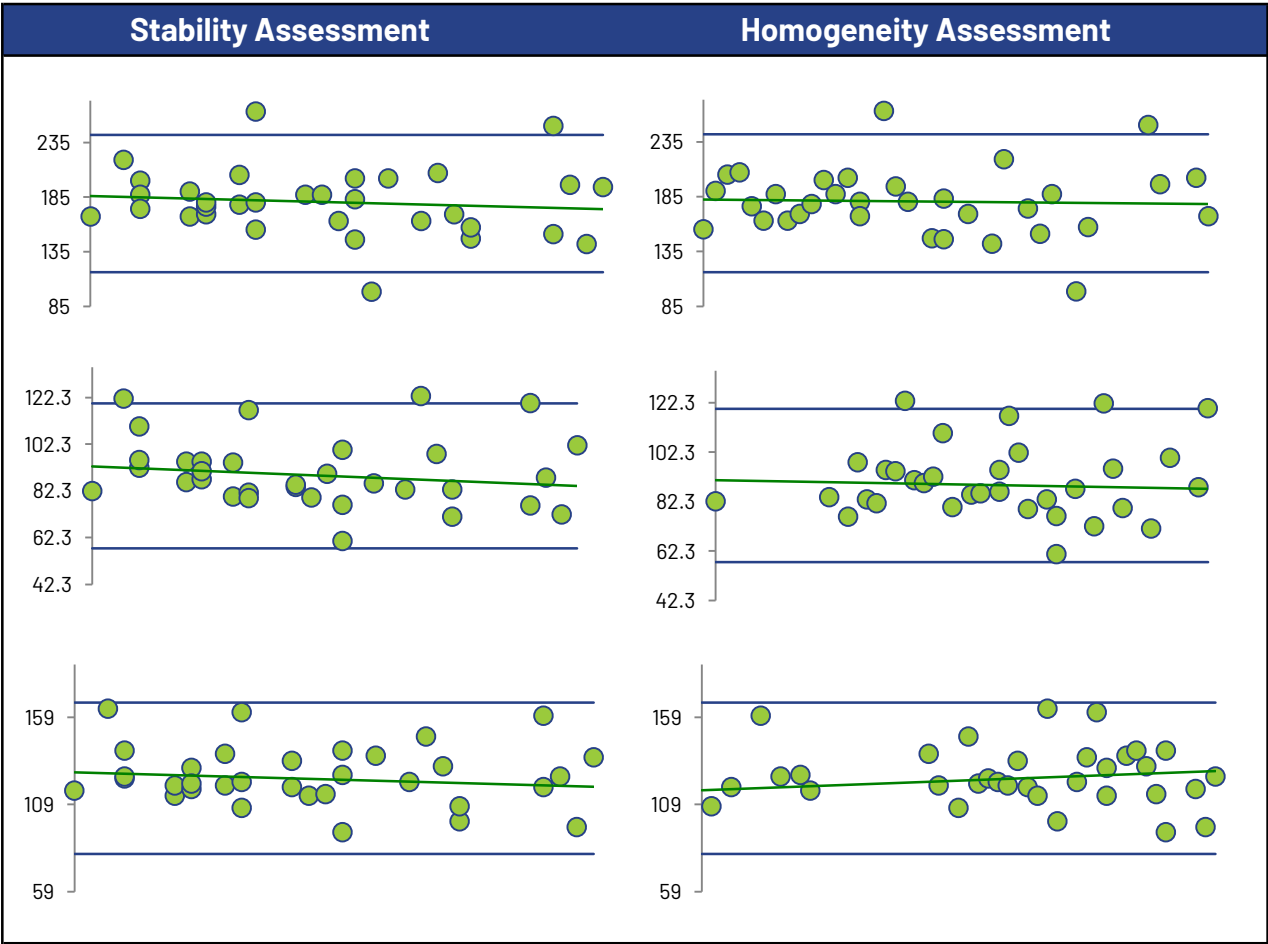
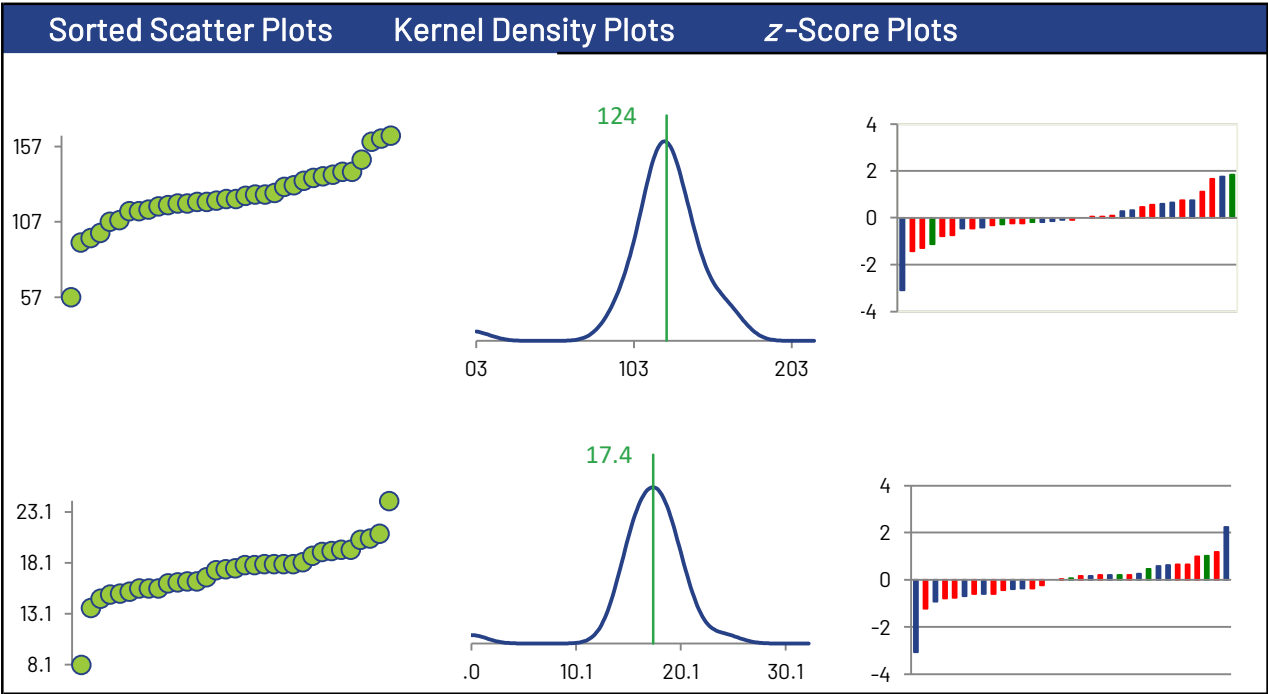
Method	C36-1	C36-2	C36-3	C36-4
GC/MS - HEADSPACE (Blue)	13	13	13	13
GC/MS - PURGE AND TRAP (Red)	16	17	17	16
GC/MS (Green)	4	4	4	4

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

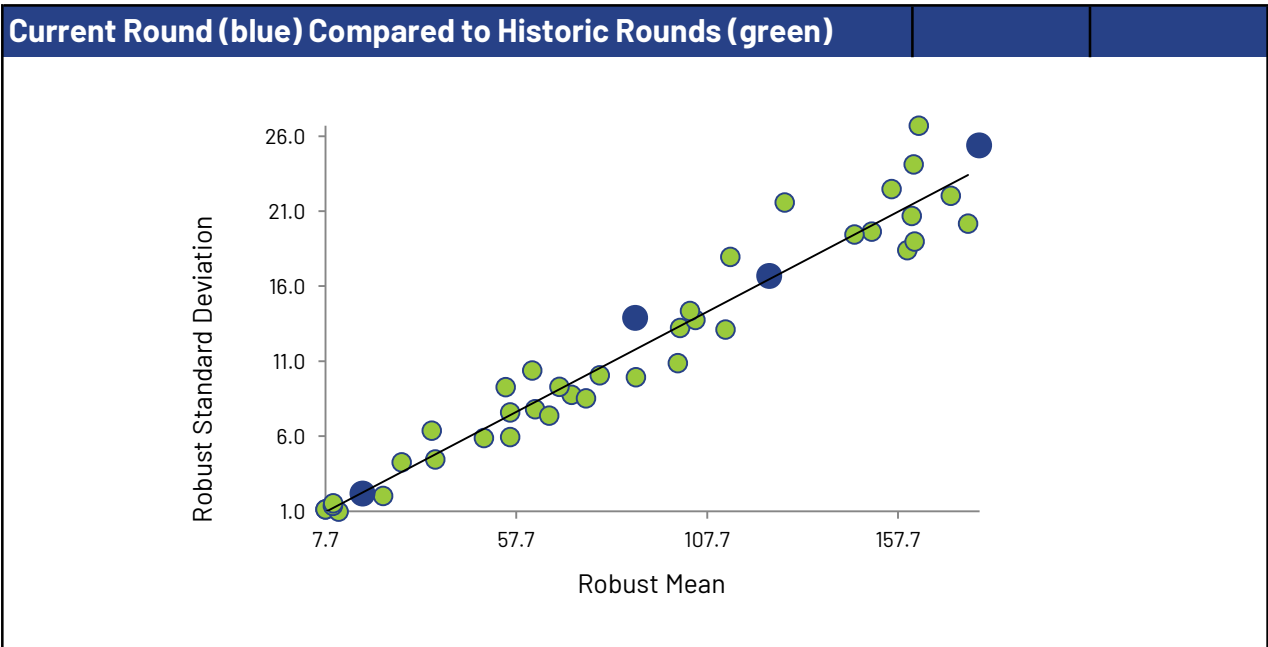
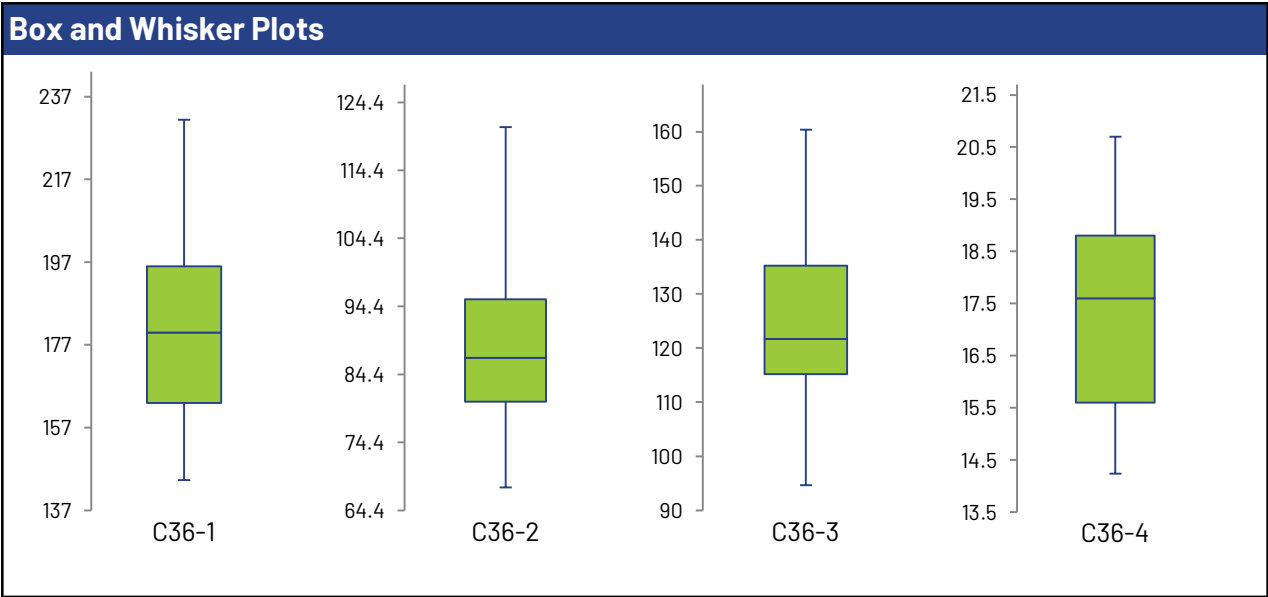
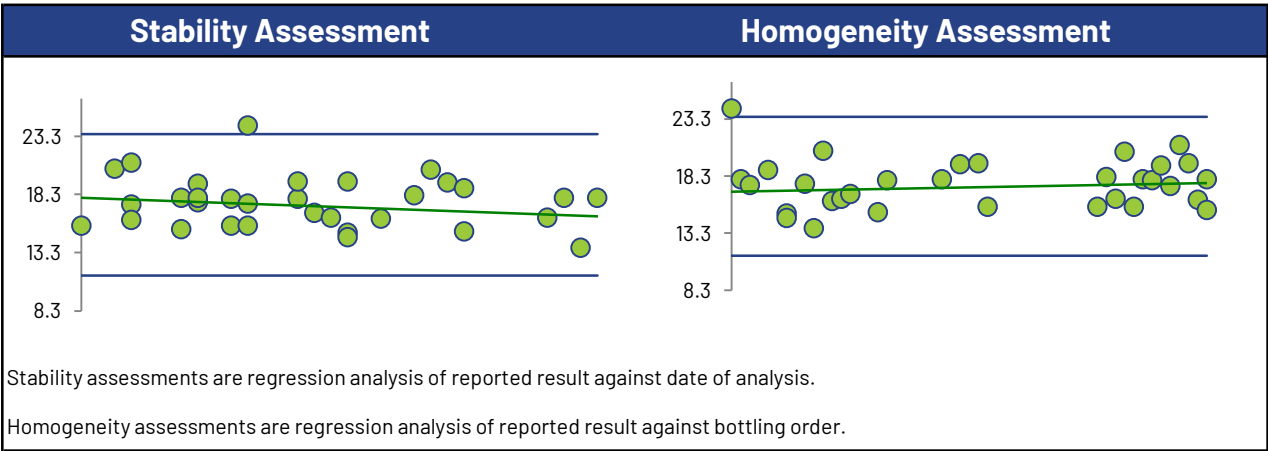


* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

1,1,2,2-Tetrachloroethane



1,1,2,2-Tetrachloroethane



1,1,2-Trichloroethane

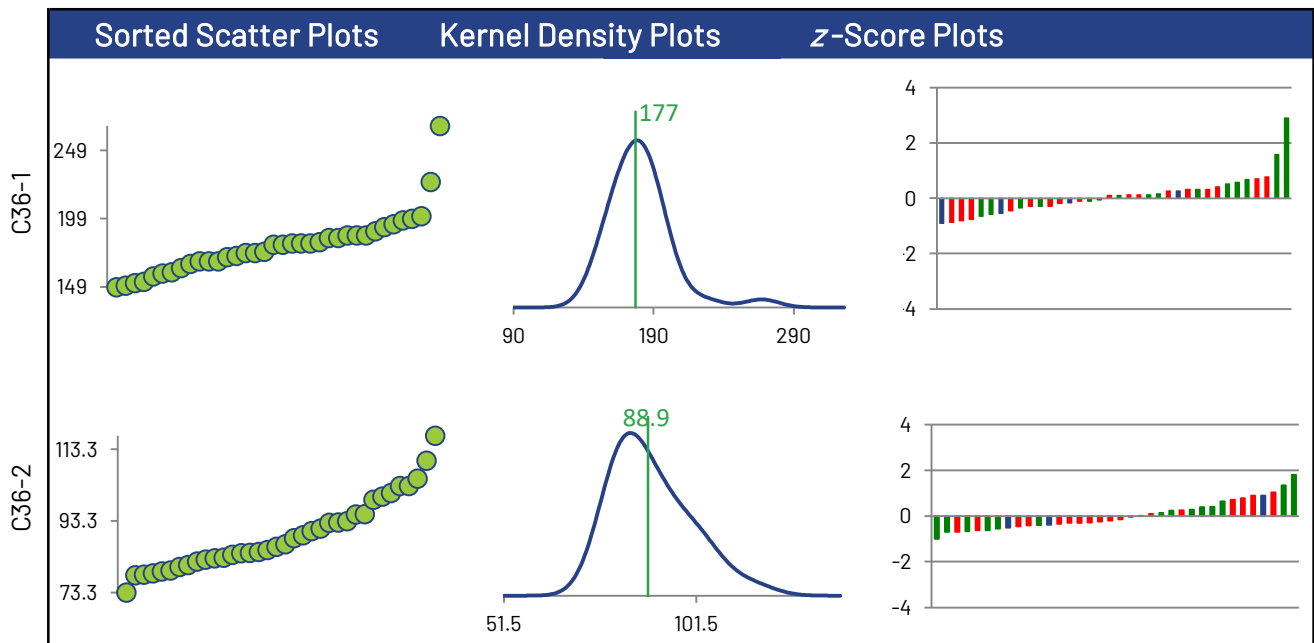
Summary Statistics

Statistic	C36-1	C36-2	C36-3	C36-4
No. of results used for summary statistics	36	36	36	36
Median µg/g	180	86.4	120	17.1
Robust Mean µg/g	177	88.9	121	16.9
Uncertainty of the Assigned Value µg/g	3.67	2.08	2.40	0.306
Robust Standard Deviation µg/g	17.6	10.0	11.5	1.47
Regression Standard Deviation µg/g	31.0	15.6	21.2	2.96
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) µg/g	31.0	15.6	21.2	2.96
Flagged Outliers	0	0	0	0
$ z > 3.0$	0	0	0	0
$2 < z < 3$	1	0	0	1
Failure Rate %*	2.8			

Methods Used

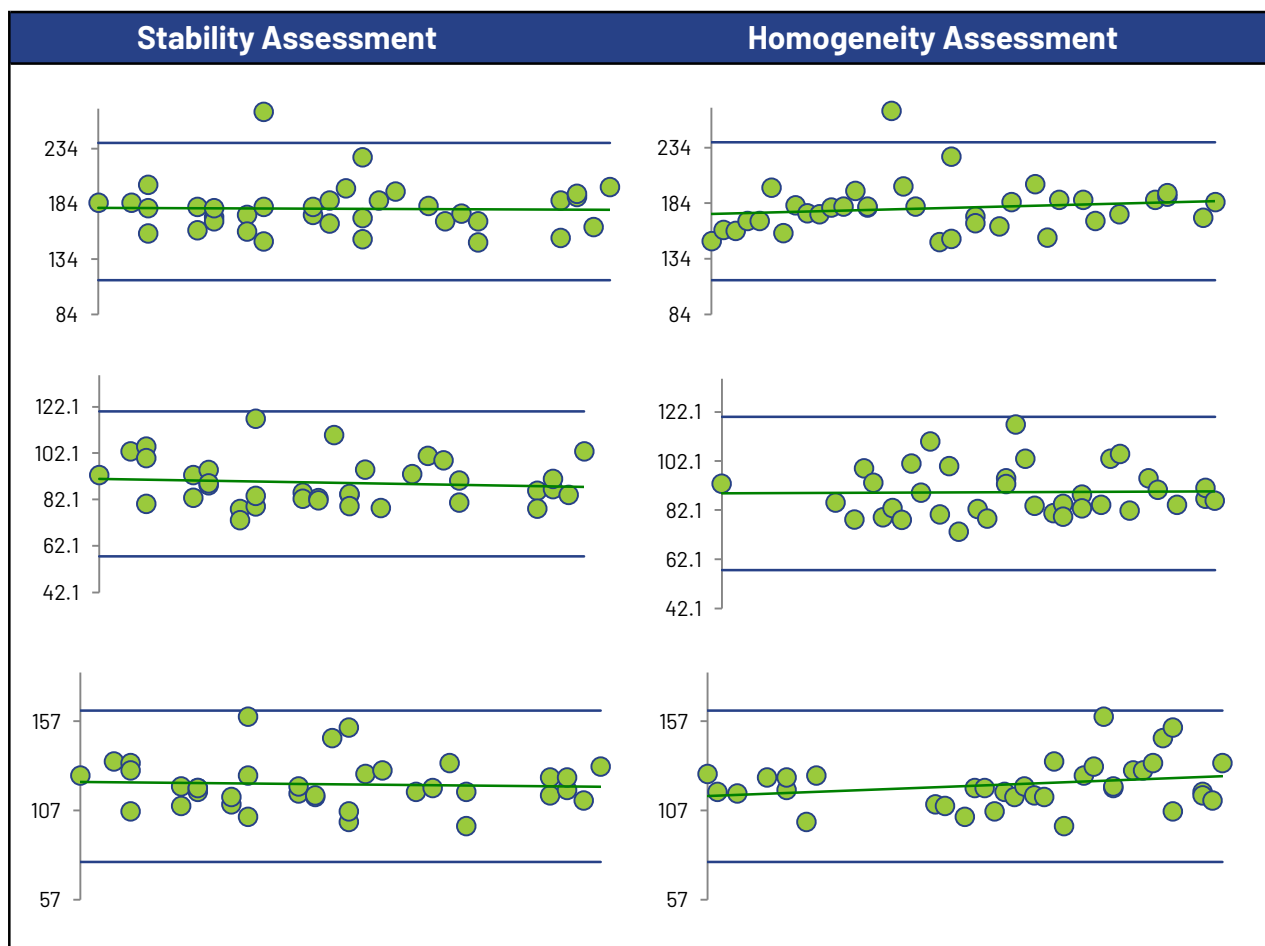
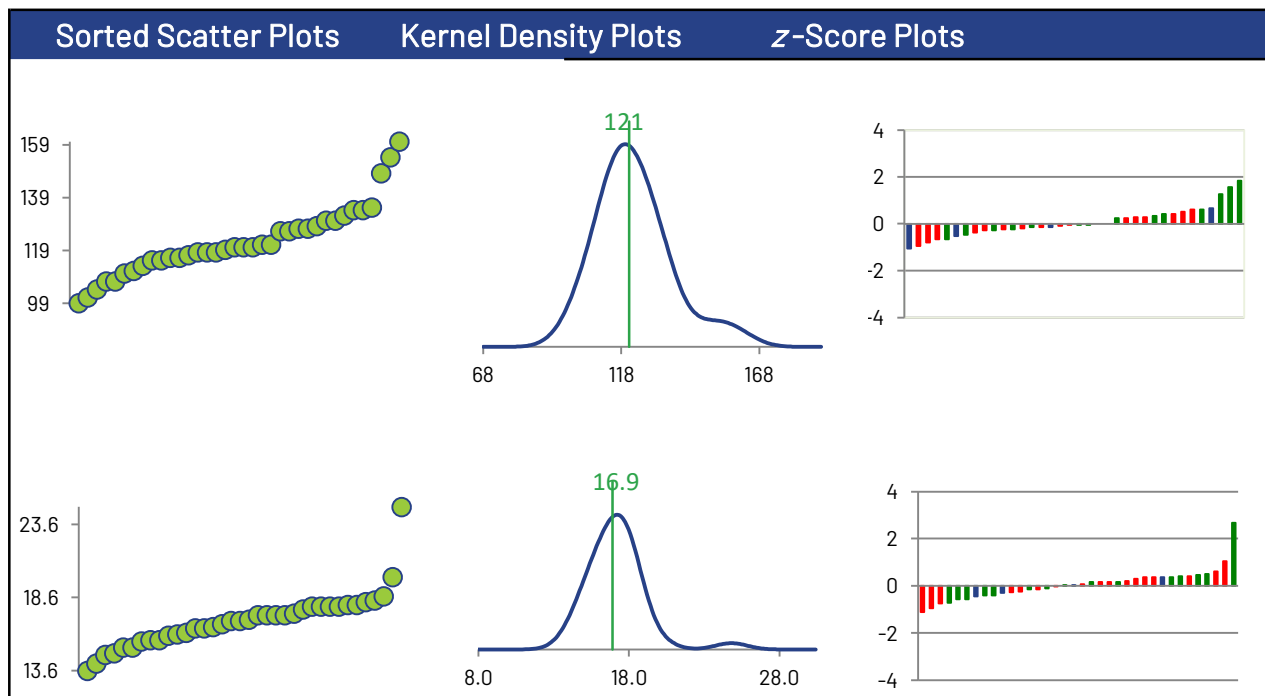
Method	C36-1	C36-2	C36-3	C36-4
GC/MS (Blue)	4	4	4	4
GC/MS - PURGE AND TRAP (Red)	17	17	17	17
GC/MS - HEADSPACE (Green)	15	15	15	15

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

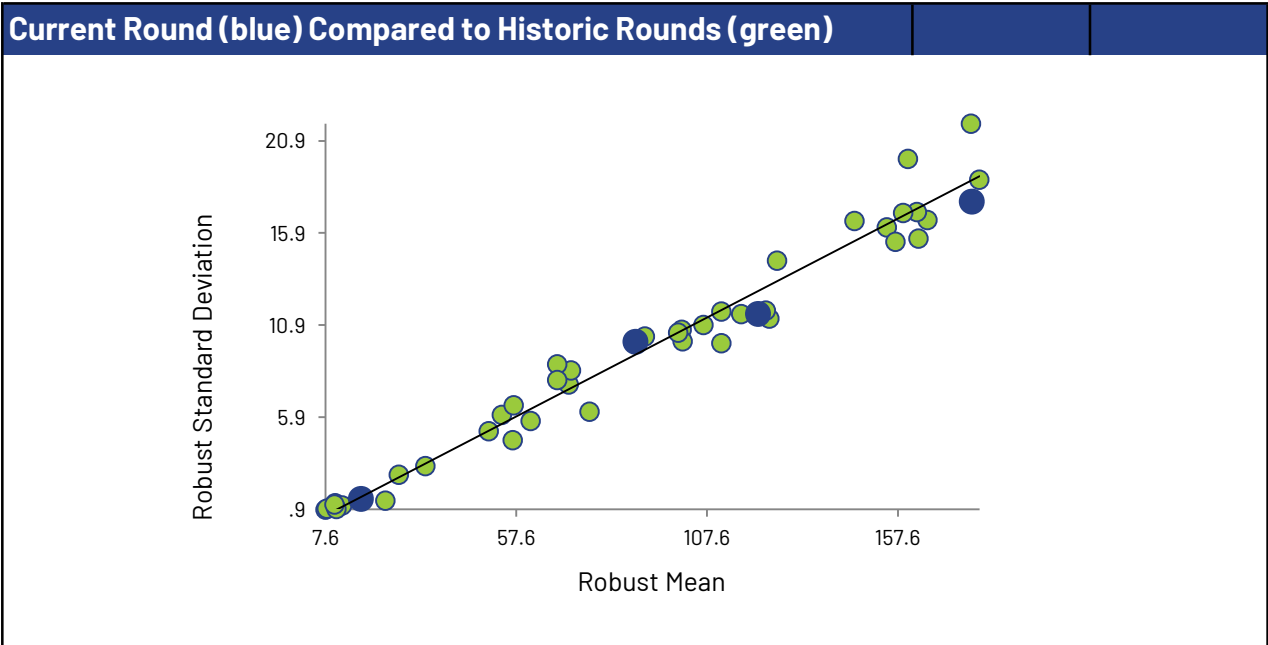
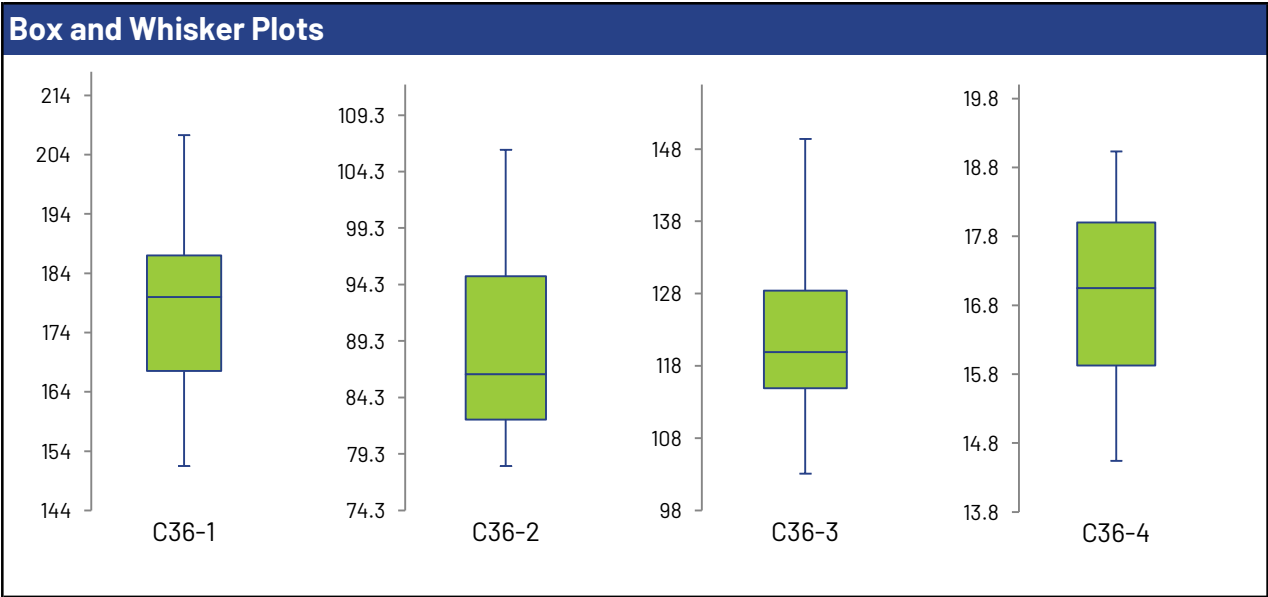
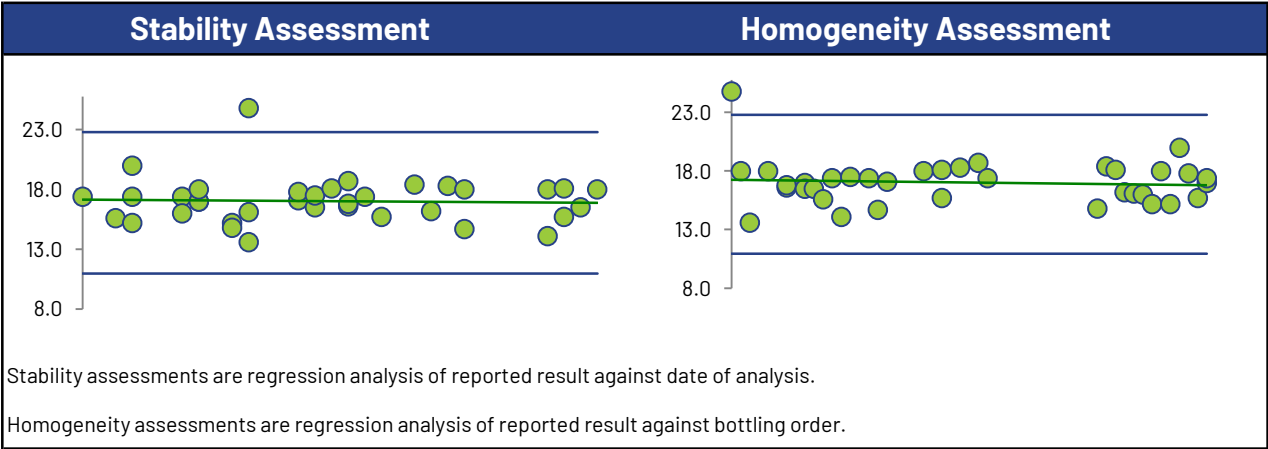


* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

1,1,2-Trichloroethane



1,1,2-Trichloroethane



1,1-Dichloroethane

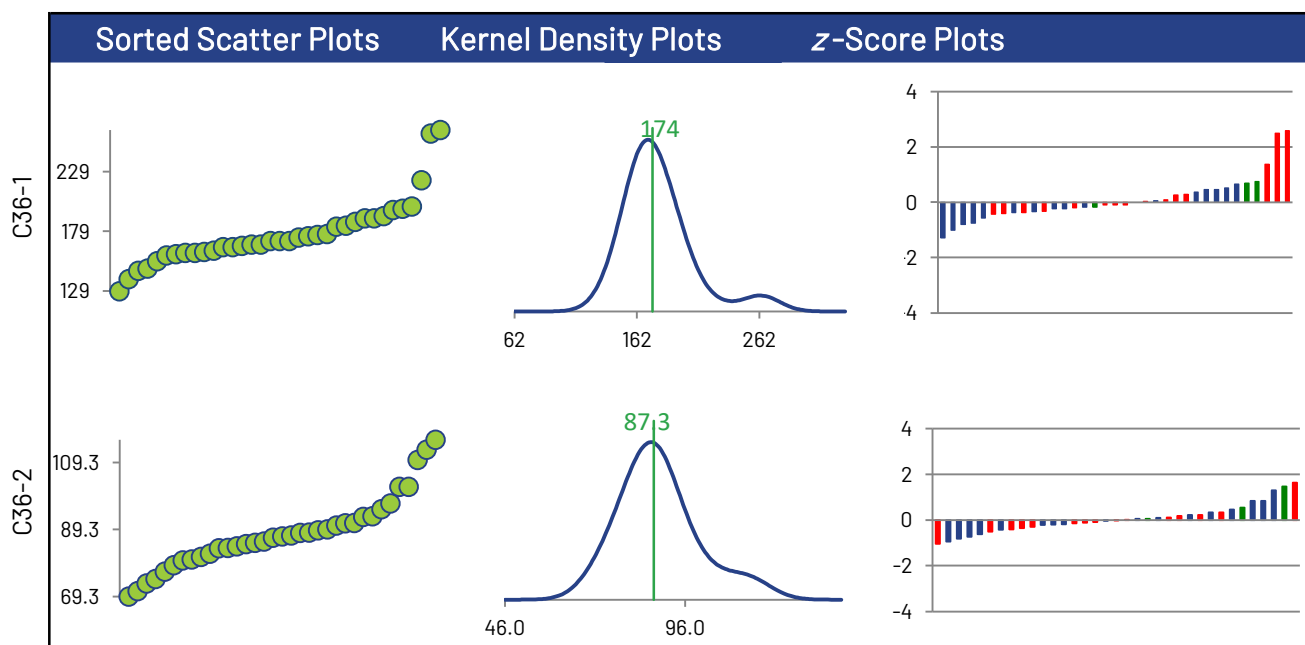
Summary Statistics

Statistic	C36-1	C36-2	C36-3	C36-4
No. of results used for summary statistics	35	35	35	35
Median µg/g	171	87.2	115	17.2
Robust Mean µg/g	174	87.3	120	17.2
Uncertainty of the Assigned Value µg/g	4.25	2.08	3.15	0.376
Robust Standard Deviation µg/g	20.1	9.85	14.9	1.78
Regression Standard Deviation µg/g	34.8	17.5	23.9	3.44
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) µg/g	34.8	17.5	23.9	3.44
Flagged Outliers	0	0	0	0
$ z > 3.0$	0	0	0	0
$2 < z < 3$	2	0	1	1
Failure Rate %*	0.0			

Methods Used

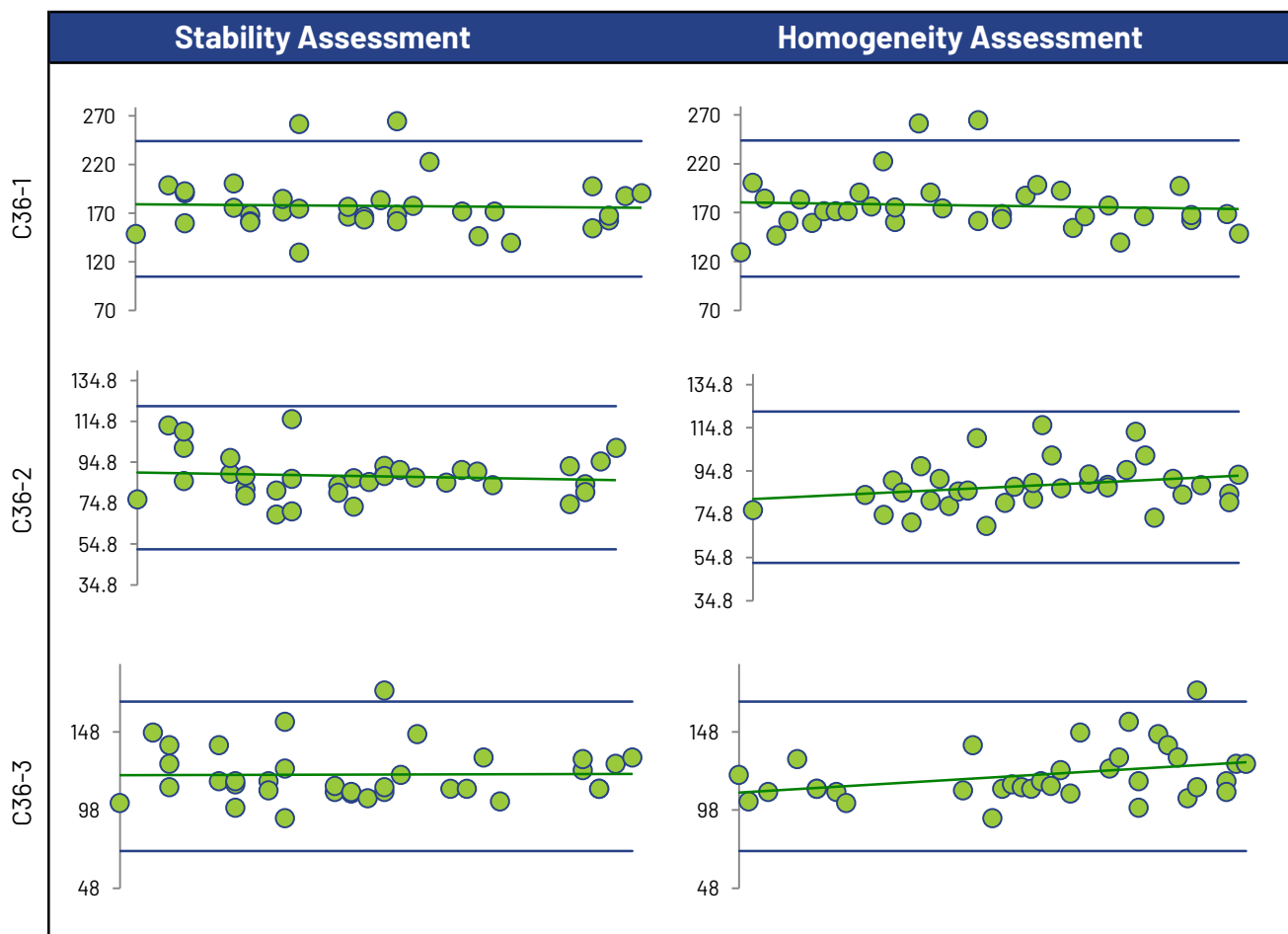
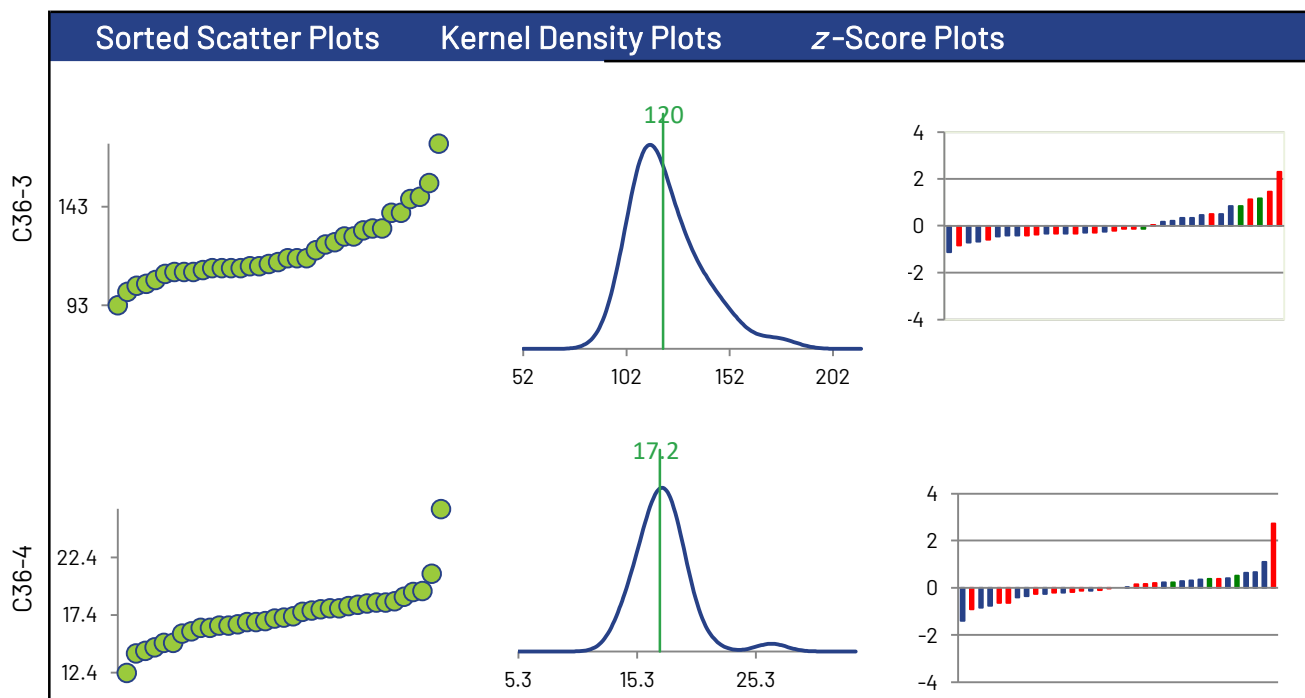
Method	C36-1	C36-2	C36-3	C36-4
GC/MS - PURGE AND TRAP (Blue)	17	17	17	17
GC/MS - HEADSPACE (Red)	15	15	15	15
GC/MS (Green)	3	3	3	3

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

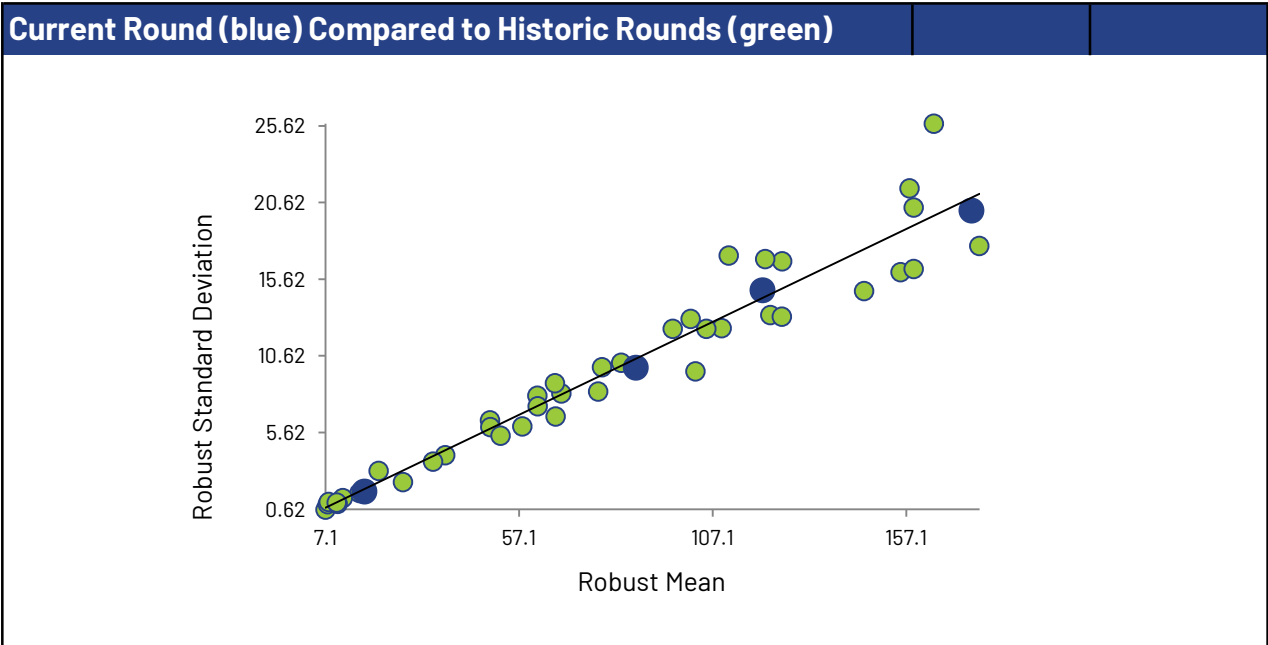
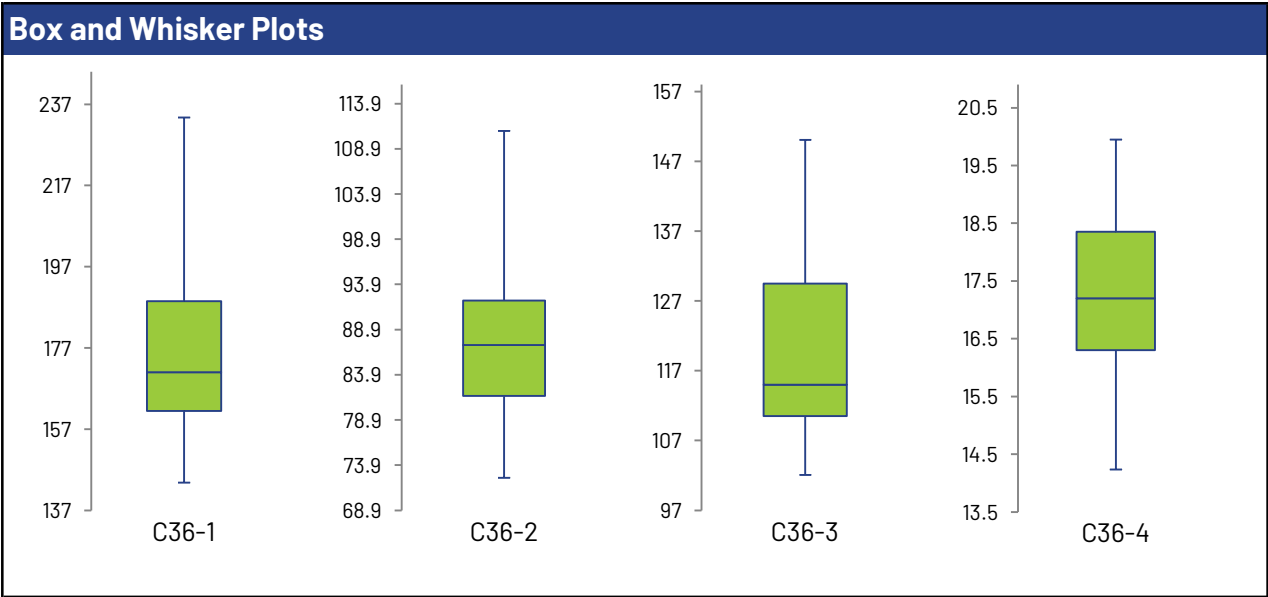
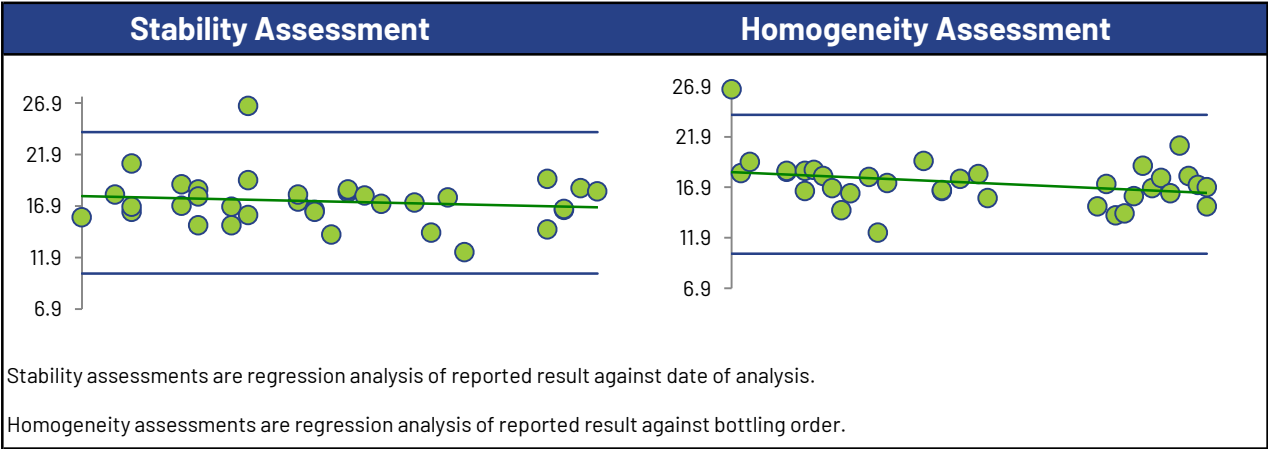


* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

1,1-Dichloroethane



1,1-Dichloroethane



1,1-dichloroethylene

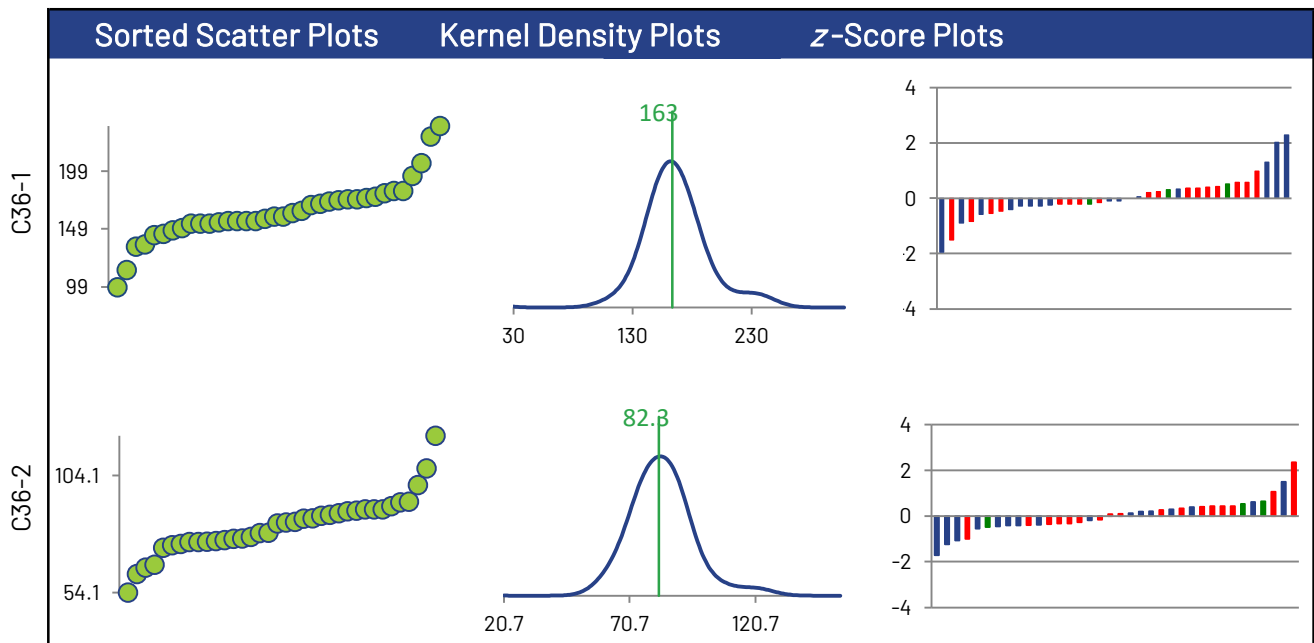
Summary Statistics

Statistic	C36-1	C36-2	C36-3	C36-4
No. of results used for summary statistics	36	36	36	36
Median µg/g	160	83.8	115	16.1
Robust Mean µg/g	163	82.3	114	16.3
Uncertainty of the Assigned Value µg/g	4.06	2.08	3.15	0.367
Robust Standard Deviation µg/g	19.5	9.98	15.1	1.76
Regression Standard Deviation µg/g	32.7	16.5	22.9	3.26
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) µg/g	32.7	16.5	22.9	3.26
Flagged Outliers	0	0	0	0
$ z > 3.0$	0	0	0	0
$2 < z < 3$	2	1	0	1
Failure Rate %*	0.0			

Methods Used

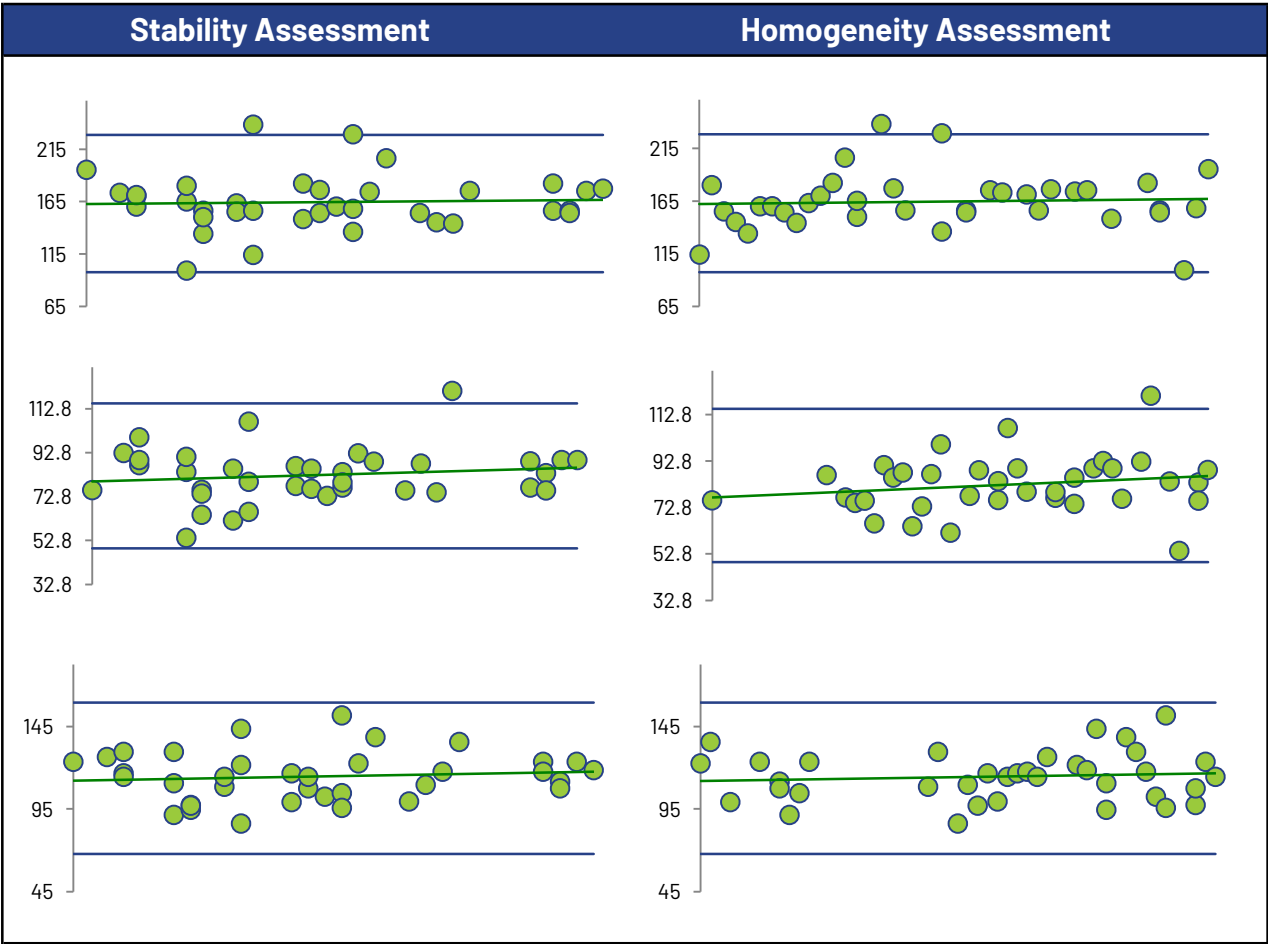
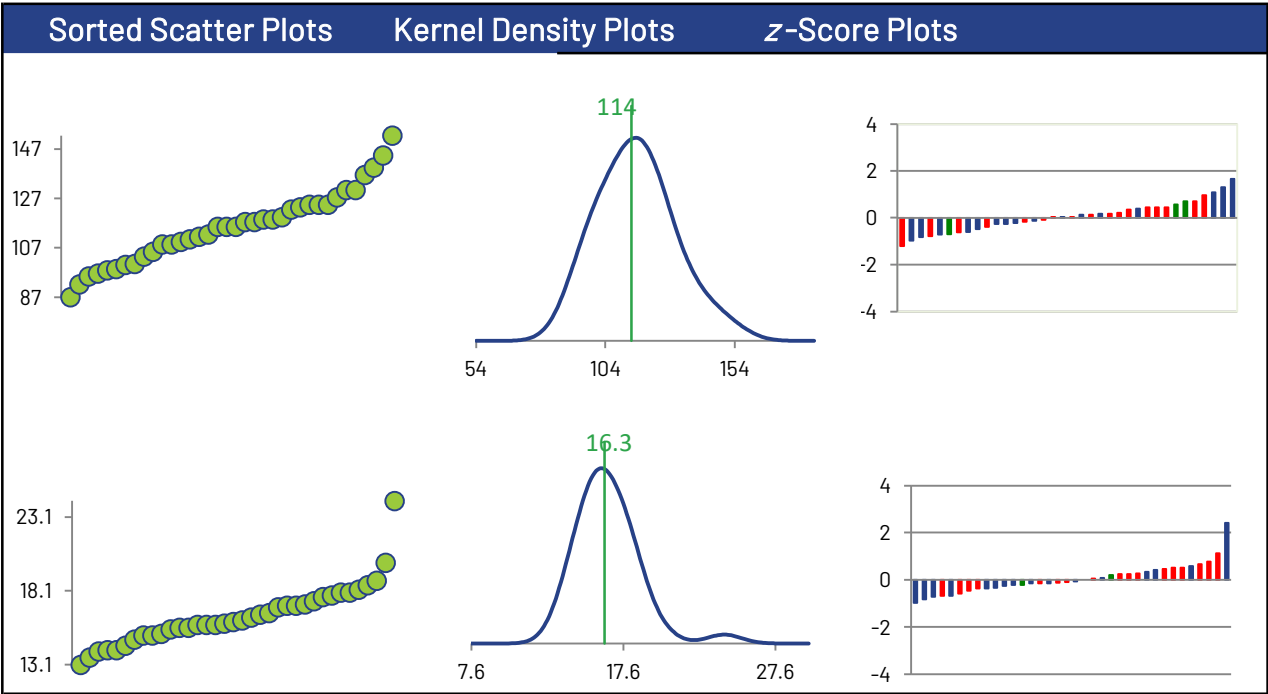
Method	C36-1	C36-2	C36-3	C36-4
GC/MS - HEADSPACE (Blue)	16	16	16	16
GC/MS - PURGE AND TRAP (Red)	17	17	17	17
GC/MS (Green)	3	3	3	3

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

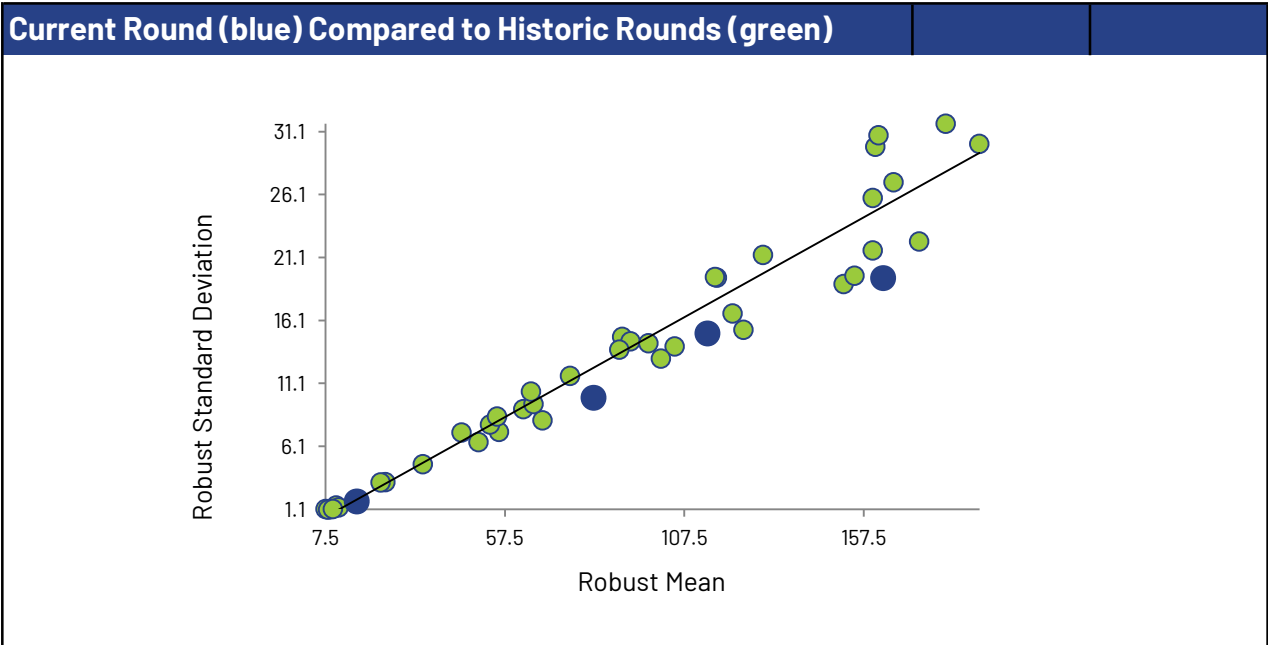
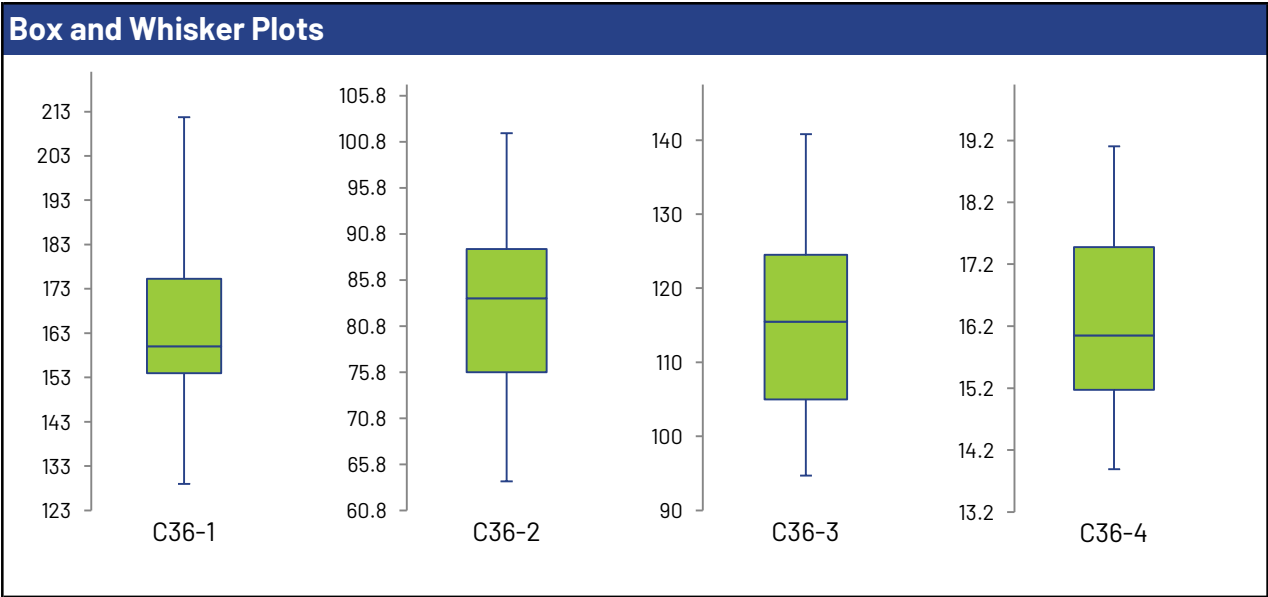
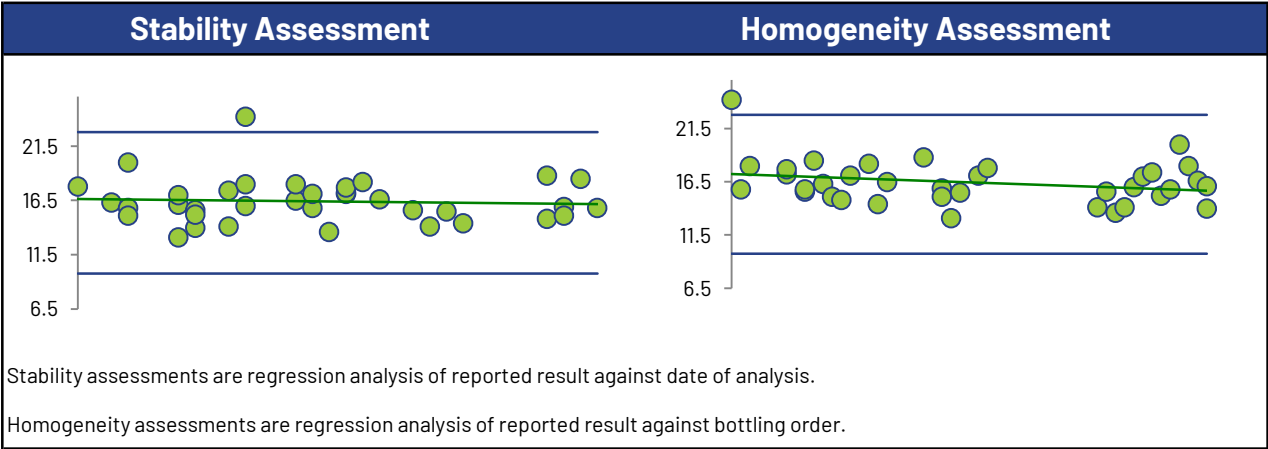


* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

1,1-dichloroethylene



1,1-dichloroethylene



1,2-Dichlorobenzene

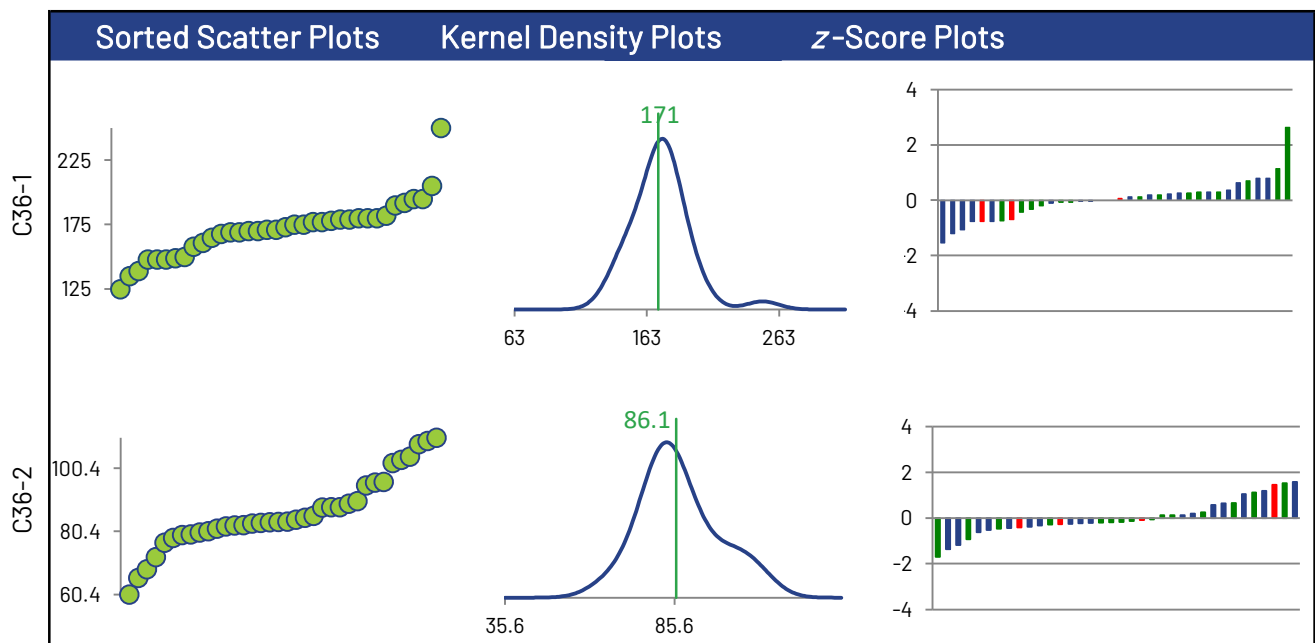
Summary Statistics

Statistic	C36-1	C36-2	C36-3	C36-4
No. of results used for summary statistics	36	36	36	36
Median µg/g	172	83.5	118	17.1
Robust Mean µg/g	171	86.1	118	16.9
Uncertainty of the Assigned Value µg/g	3.85	2.35	2.83	0.467
Robust Standard Deviation µg/g	18.5	11.3	13.6	2.24
Regression Standard Deviation µg/g	29.9	15.1	20.7	2.96
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) µg/g	29.9	15.1	20.7	2.96
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

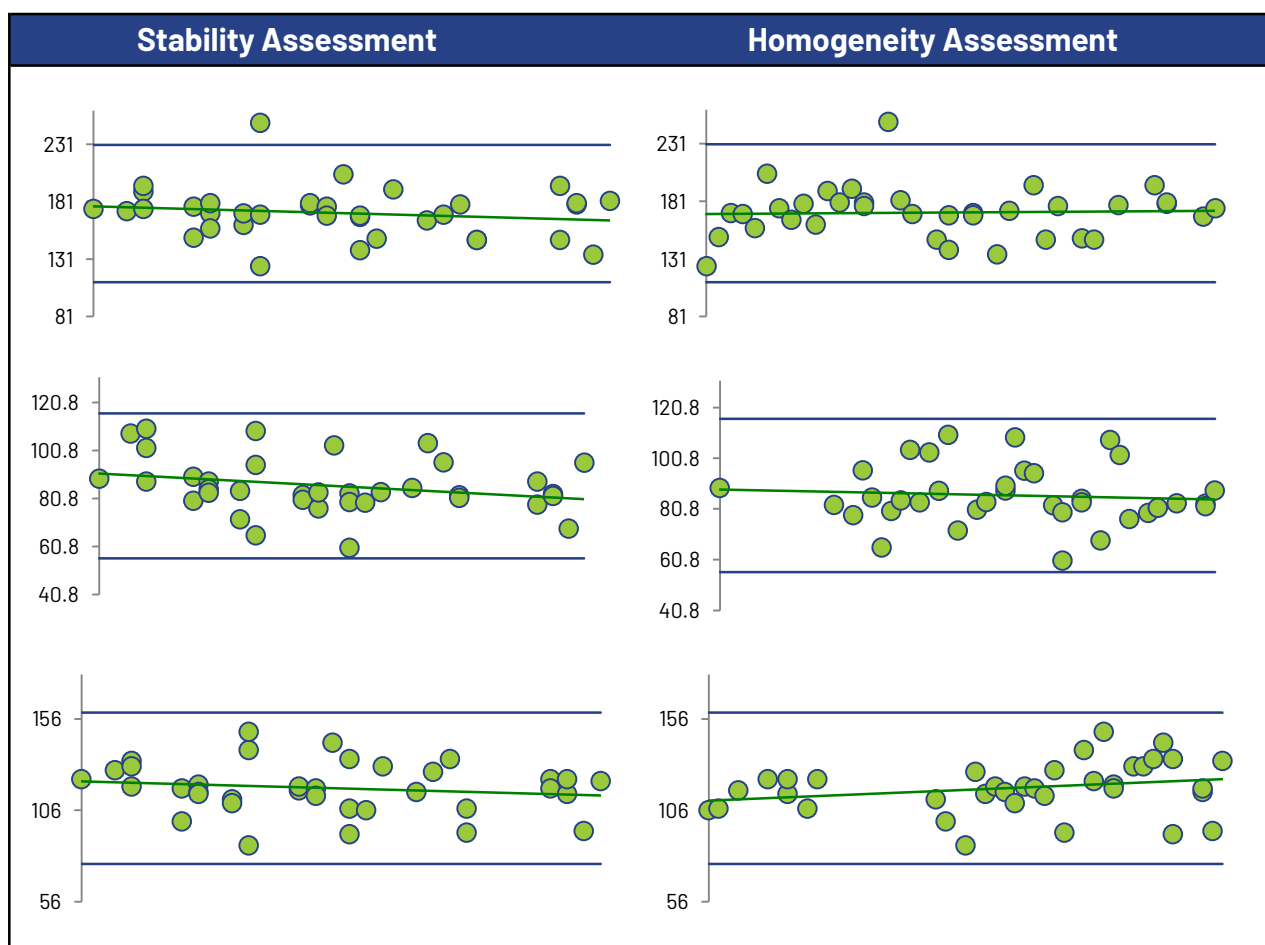
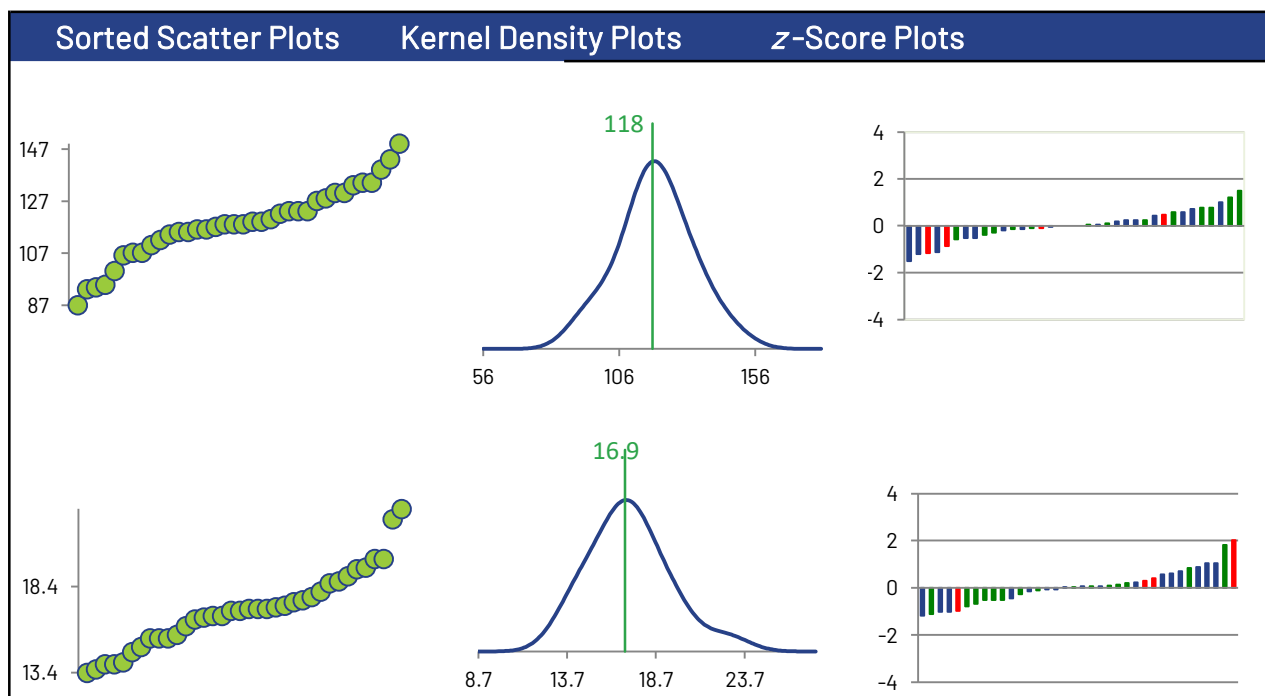
Method	C36-1	C36-2	C36-3	C36-4
GC/MS - PURGE AND TRAP (Blue)	17	17	17	17
GC/MS (Red)	4	4	4	4
GC/MS - HEADSPACE (Green)	15	15	15	15

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

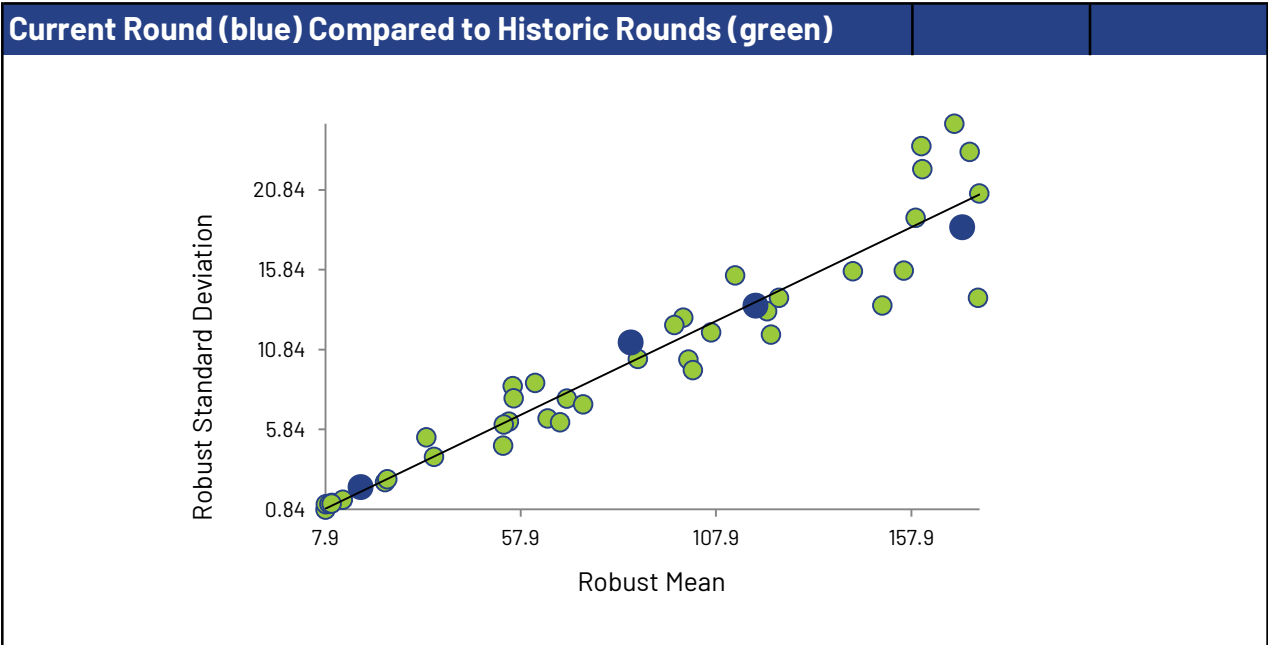
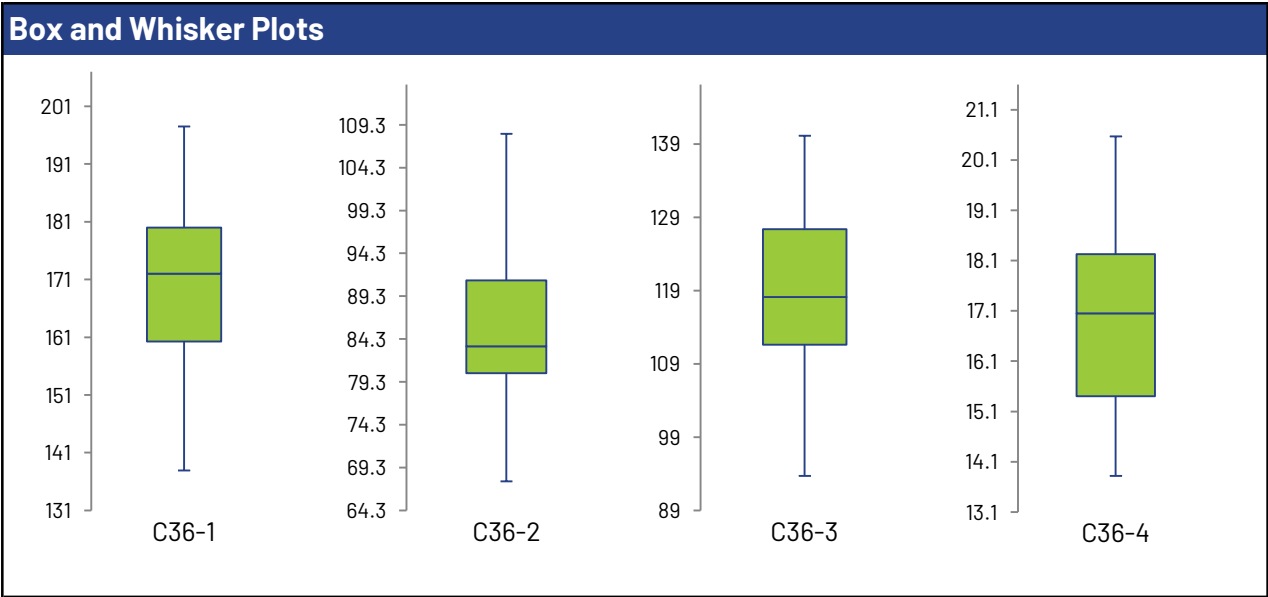
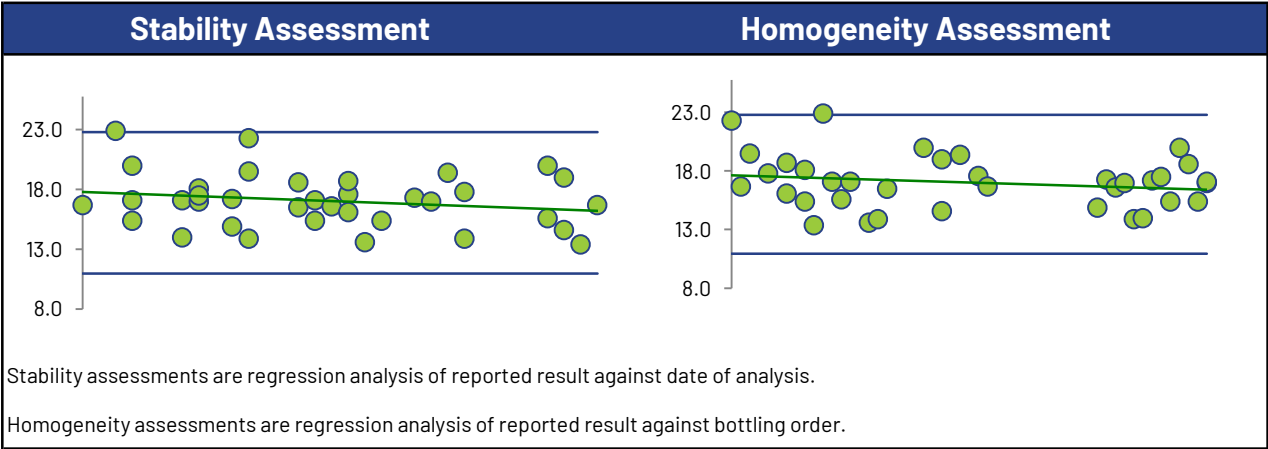


* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

1,2-Dichlorobenzene



1,2-Dichlorobenzene



1,2-Dichloroethane

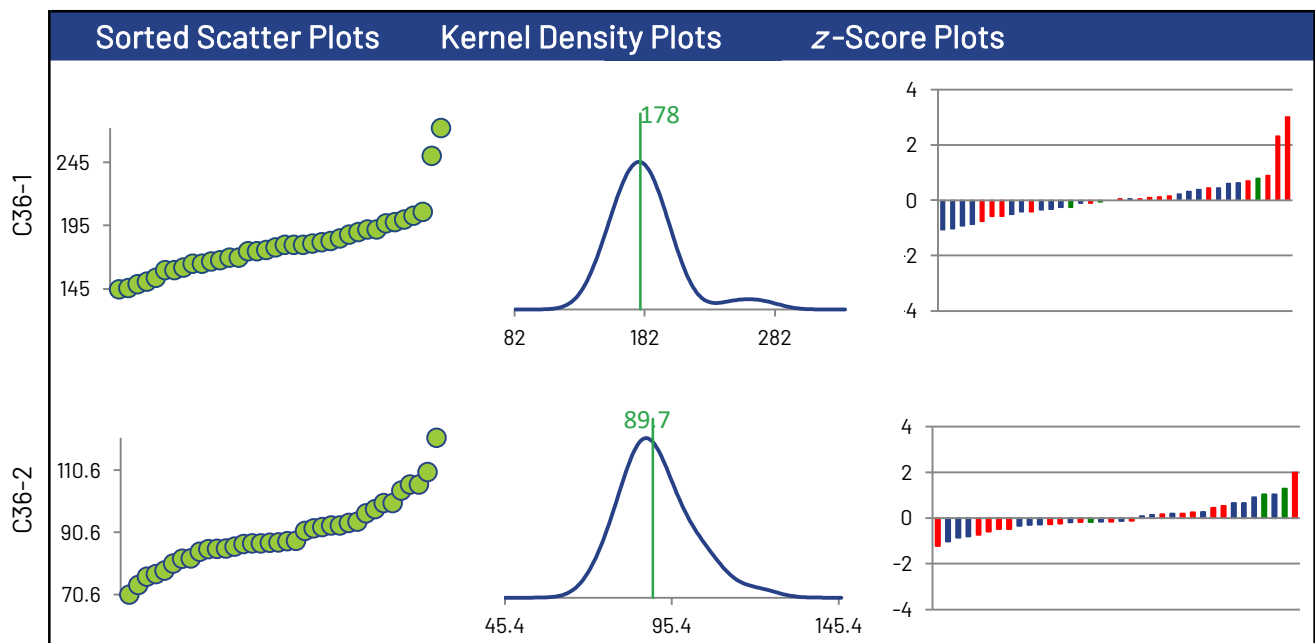
Summary Statistics

Statistic	C36-1	C36-2	C36-3	C36-4
No. of results used for summary statistics	36	36	36	36
Median µg/g	179	87.5	123	17.1
Robust Mean µg/g	178	89.7	124	17.4
Uncertainty of the Assigned Value µg/g	4.13	2.10	2.79	0.433
Robust Standard Deviation µg/g	19.8	10.1	13.4	2.08
Regression Standard Deviation µg/g	31.1	15.7	21.7	3.04
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) µg/g	31.1	15.7	21.7	3.04
Flagged Outliers	0	0	0	0
$ z > 3.0$	1	0	0	1
$2 < z < 3$	1	0	1	0
Failure Rate %*	2.8			

Methods Used

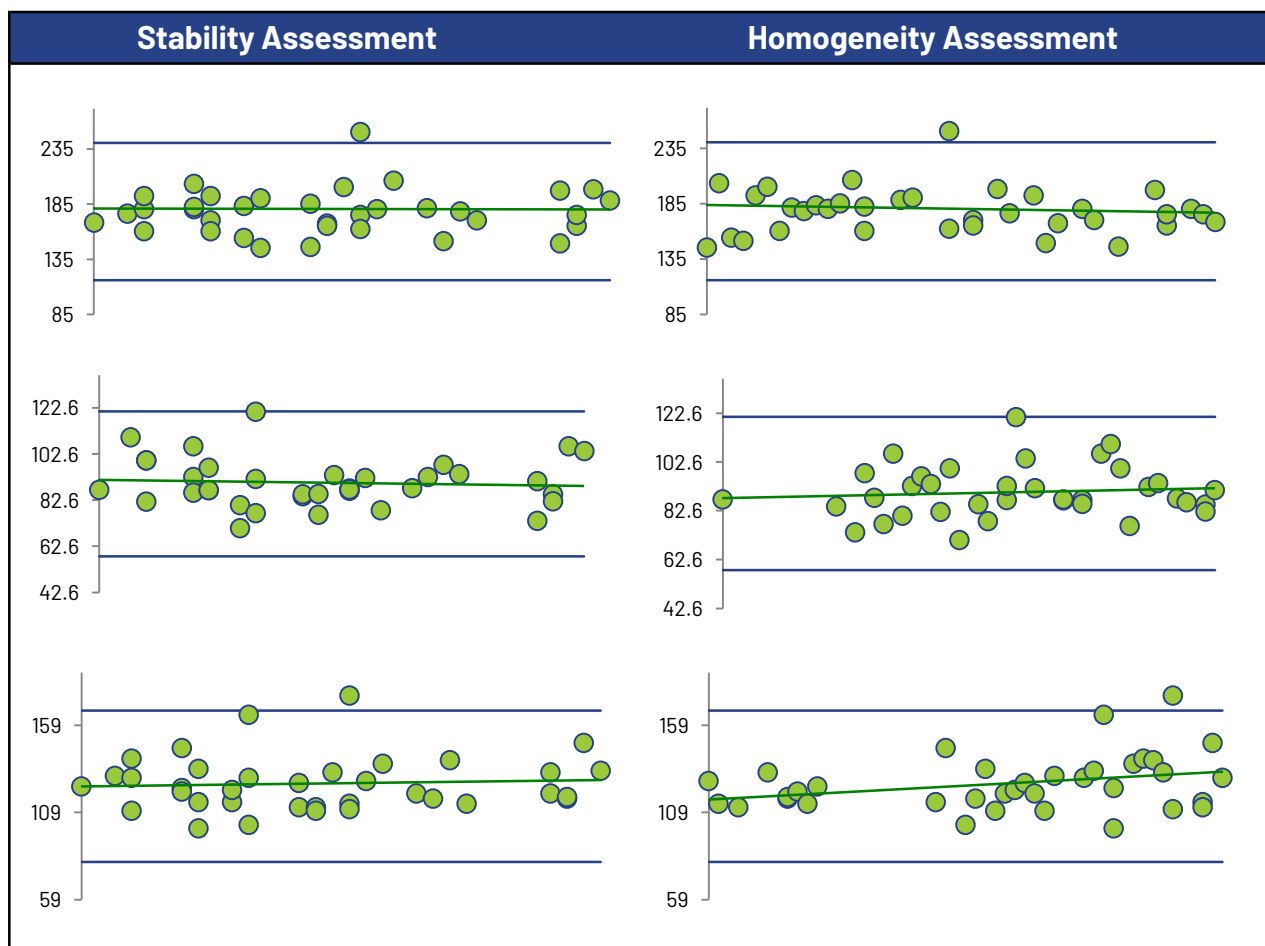
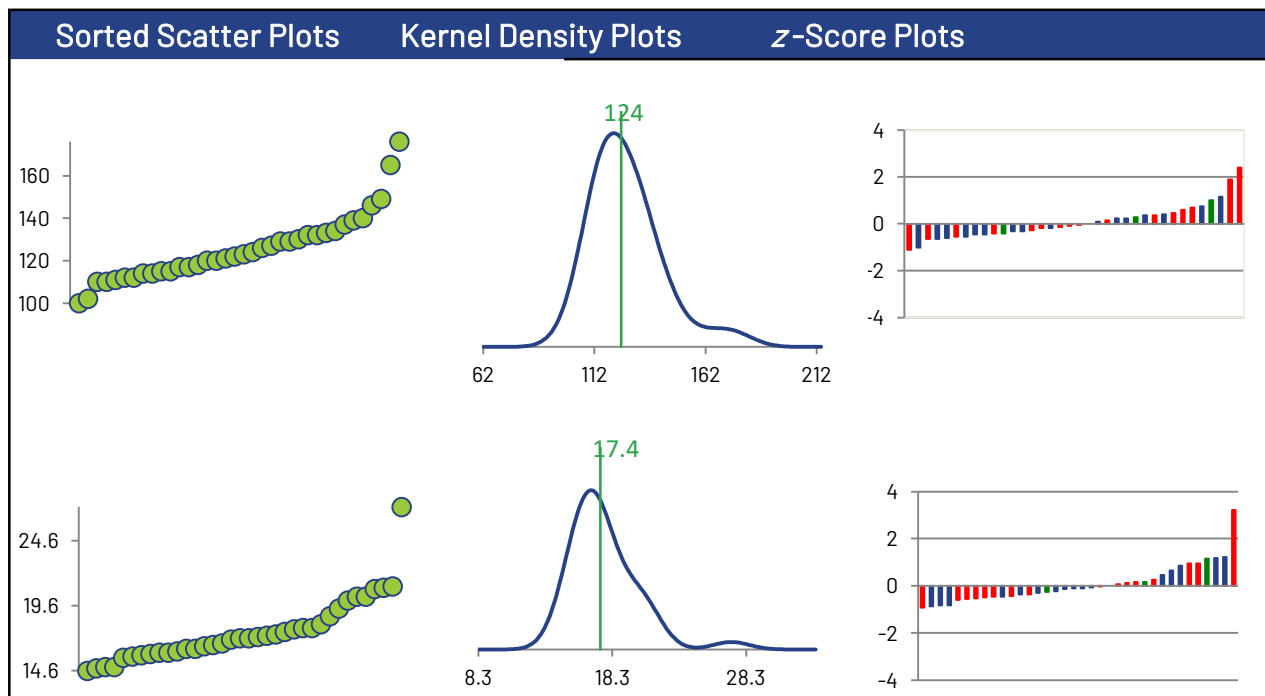
Method	C36-1	C36-2	C36-3	C36-4
GC/MS - PURGE AND TRAP (Blue)	17	17	17	17
GC/MS - HEADSPACE (Red)	16	16	16	16
GC/MS (Green)	3	3	3	3

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

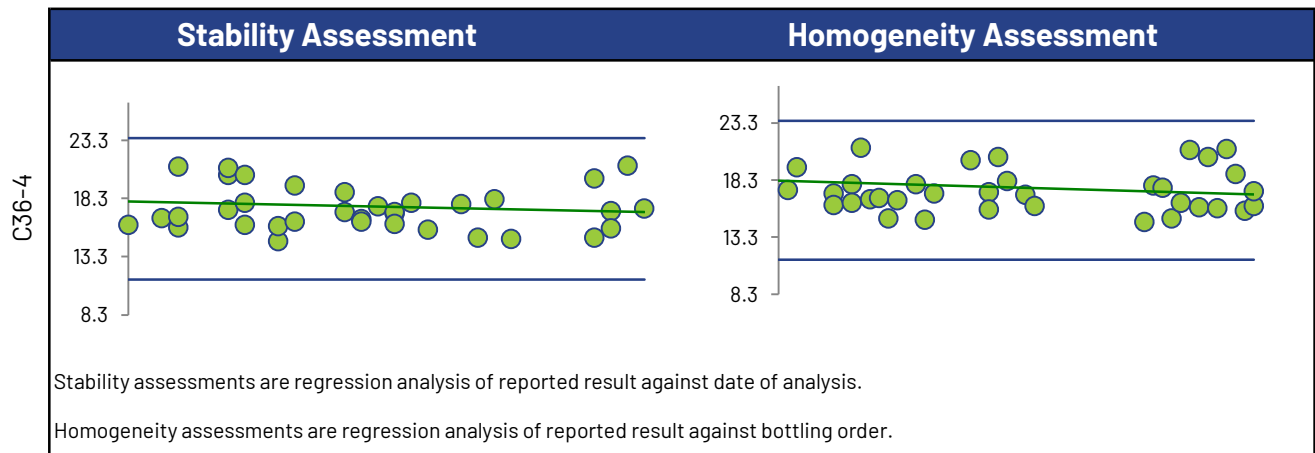


* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

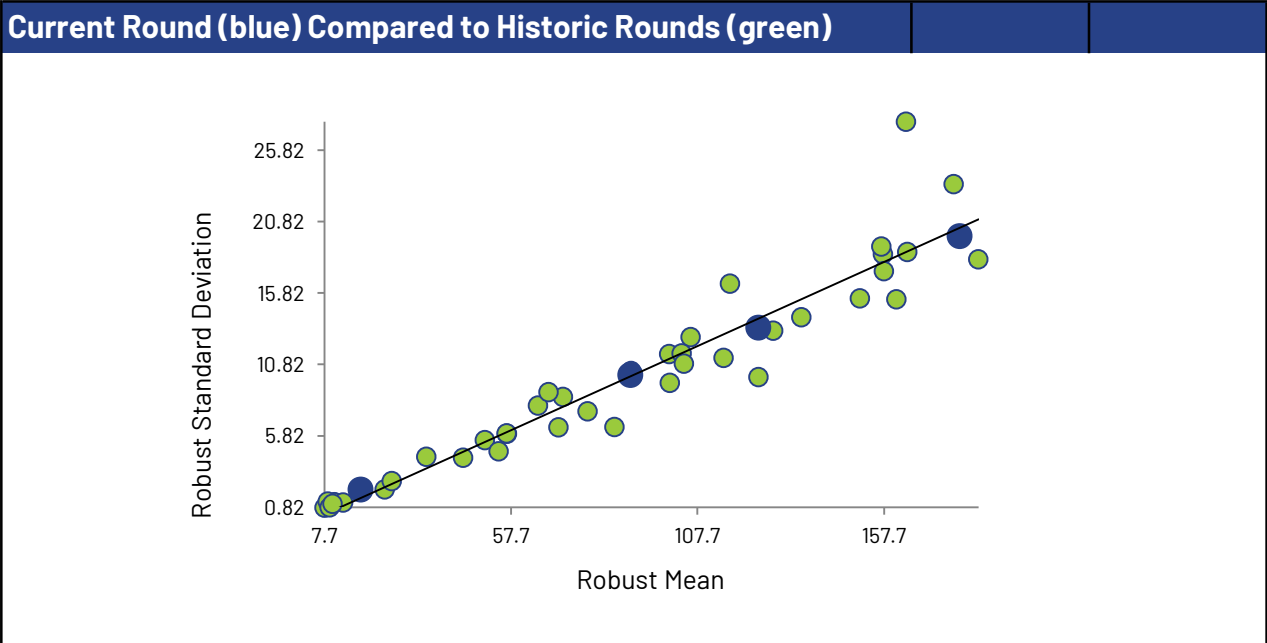
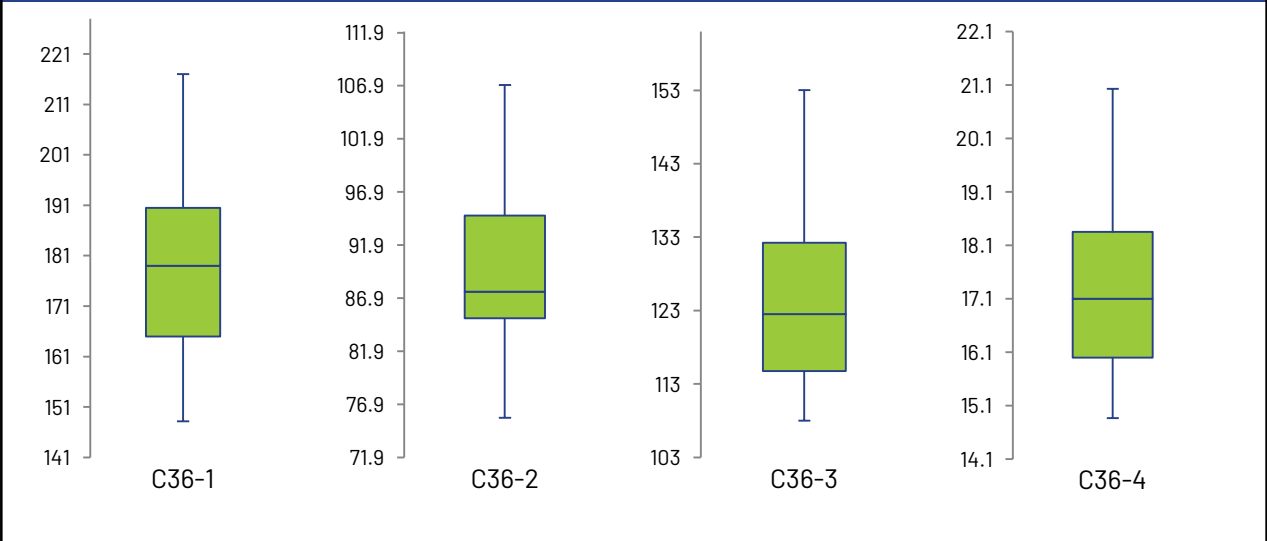
1,2-Dichloroethane



1,2-Dichloroethane



Box and Whisker Plots



1,2-Dichloropropane

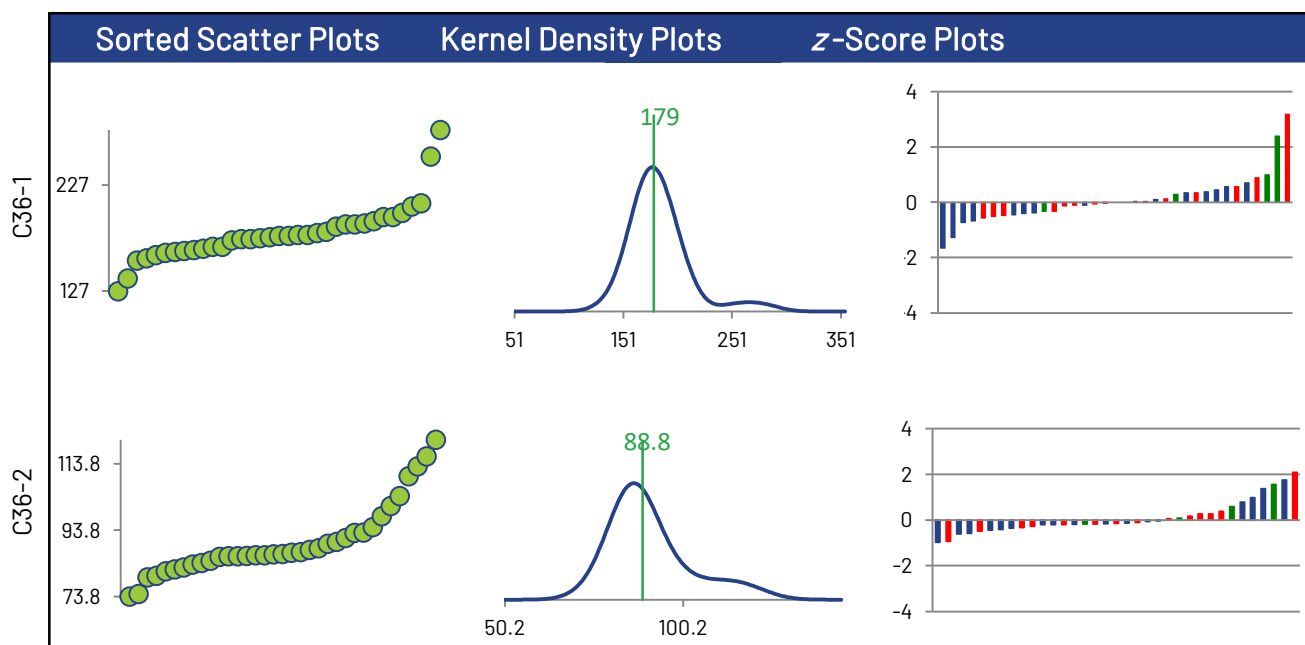
Summary Statistics

Statistic	C36-1	C36-2	C36-3	C36-4
No. of results used for summary statistics	35	35	35	35
Median µg/g	179	86.6	122	17.4
Robust Mean µg/g	179	88.8	124	17.4
Uncertainty of the Assigned Value µg/g	3.89	1.77	2.75	0.315
Robust Standard Deviation µg/g	18.4	8.37	13.0	1.49
Regression Standard Deviation µg/g	31.4	15.5	21.7	3.04
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) µg/g	31.4	15.5	21.7	3.04
Flagged Outliers	0	0	0	0
z >3.0	1	0	0	1
2< z <3	1	1	0	0
Failure Rate %*	2.9			

Methods Used

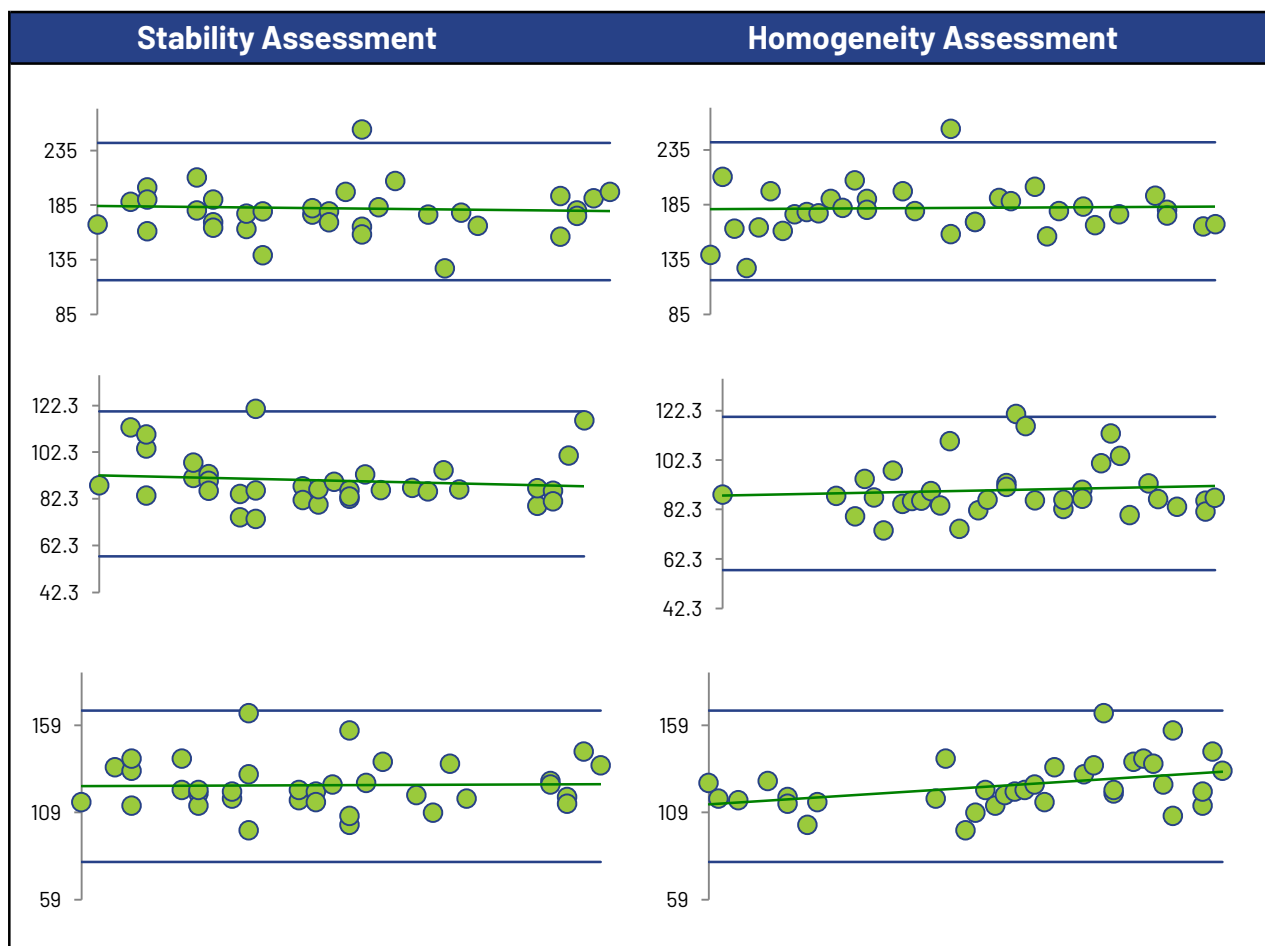
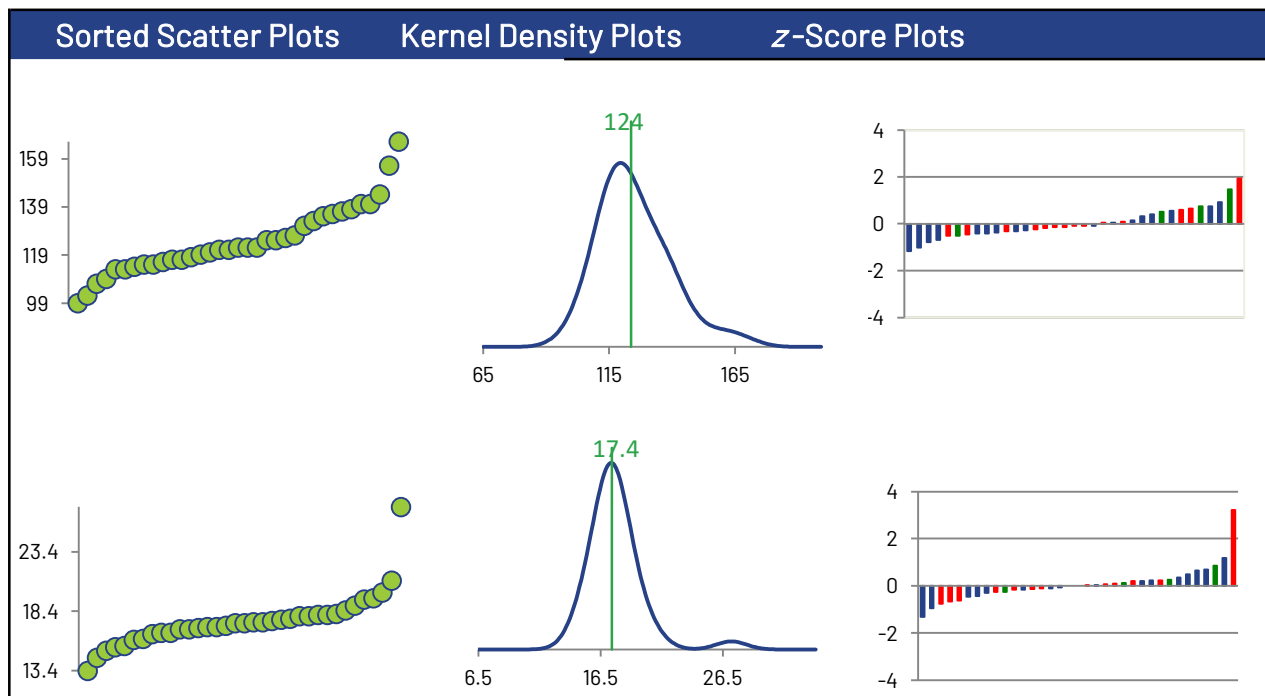
Method	C36-1	C36-2	C36-3	C36-4
GC/MS - PURGE AND TRAP (Blue)	17	17	17	17
GC/MS - HEADSPACE (Red)	14	14	14	14
GC/MS (Green)	4	4	4	4

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

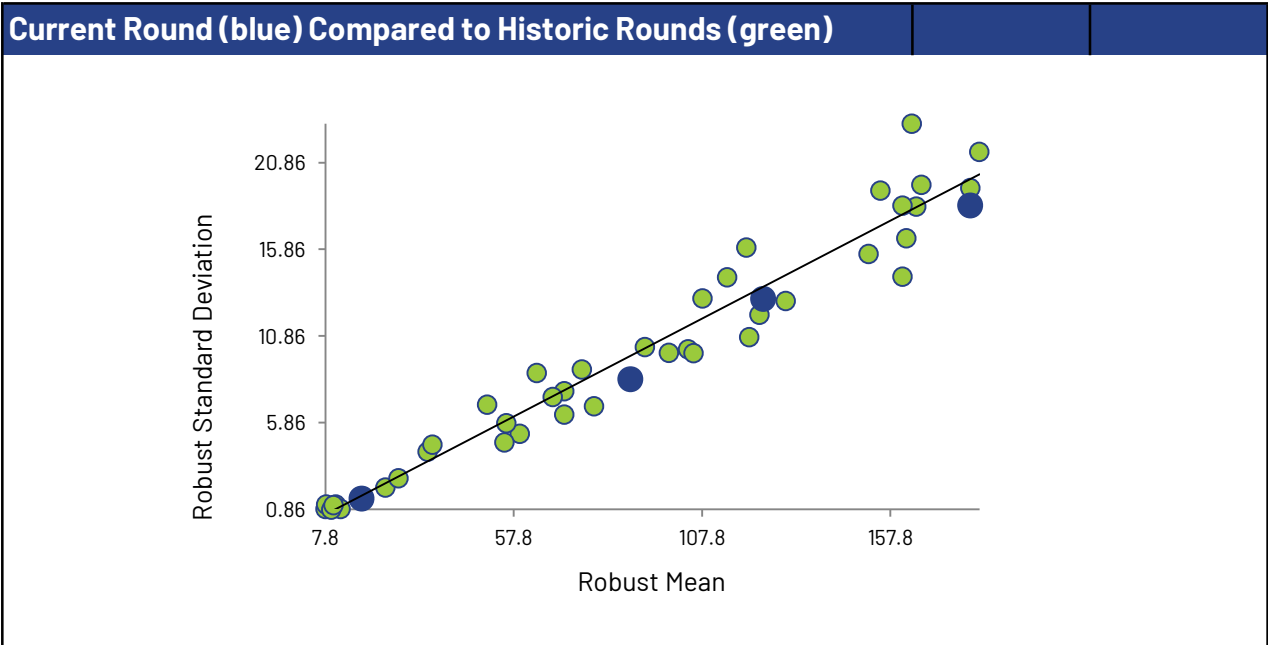
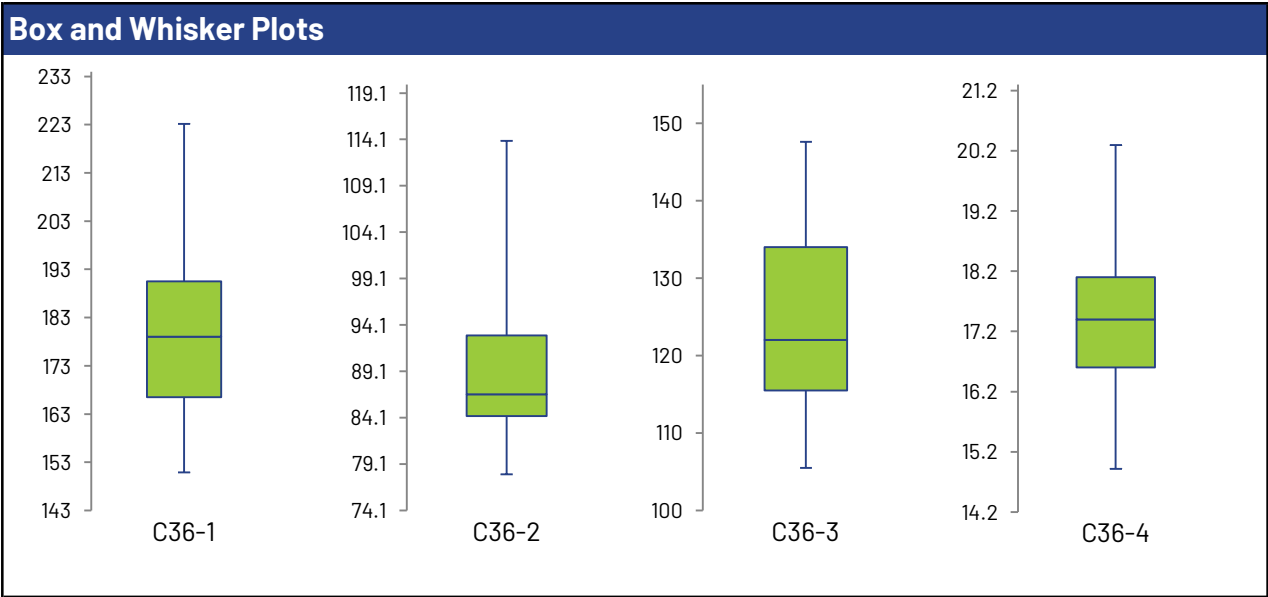
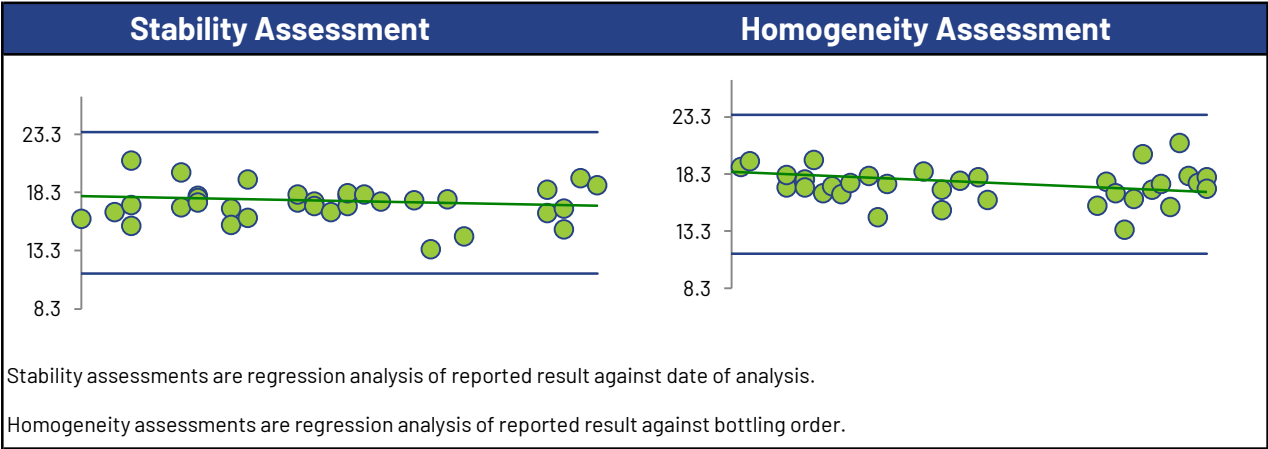


* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

1,2-Dichloropropane



1,2-Dichloropropane



1,3-Dichlorobenzene

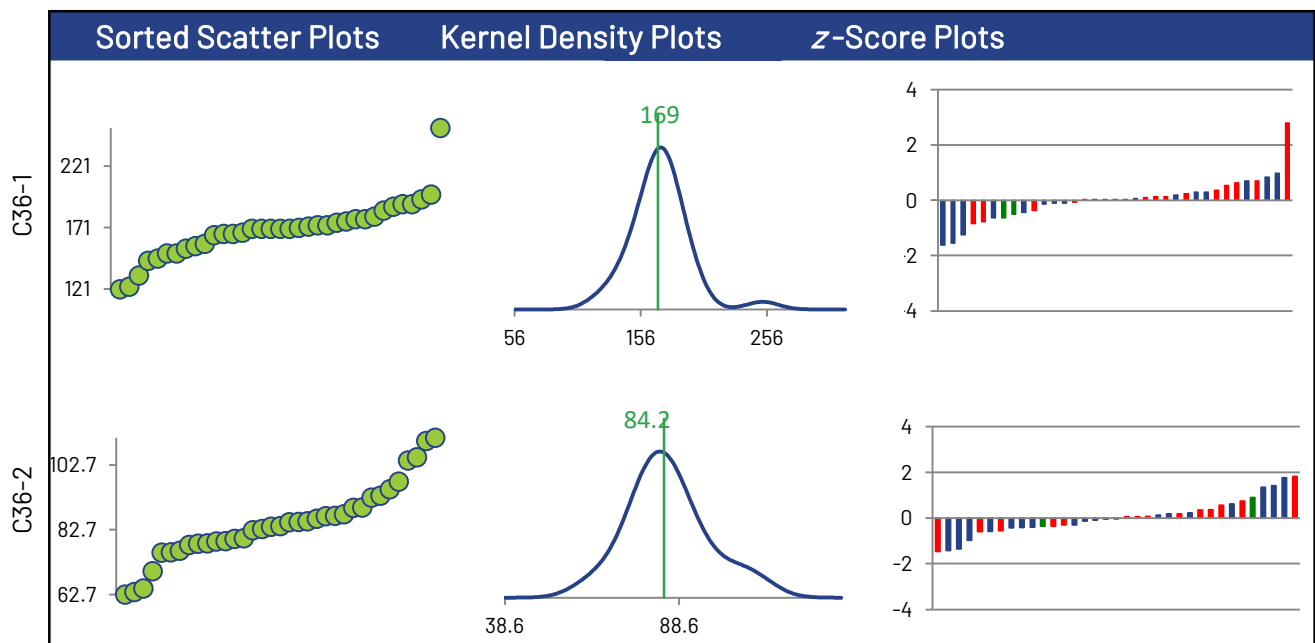
Summary Statistics

Statistic	C36-1	C36-2	C36-3	C36-4
No. of results used for summary statistics	35	35	35	35
Median µg/g	170	83.8	116	16.5
Robust Mean µg/g	169	84.2	117	16.5
Uncertainty of the Assigned Value µg/g	3.82	2.20	2.94	0.412
Robust Standard Deviation µg/g	18.1	10.4	13.9	1.95
Regression Standard Deviation µg/g	29.6	14.7	20.4	2.89
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) µg/g	29.6	14.7	20.4	2.89
Flagged Outliers	0	0	0	0
$ z > 3.0$	0	0	0	0
$2 < z < 3$	1	0	0	0
Failure Rate %*	2.9			

Methods Used

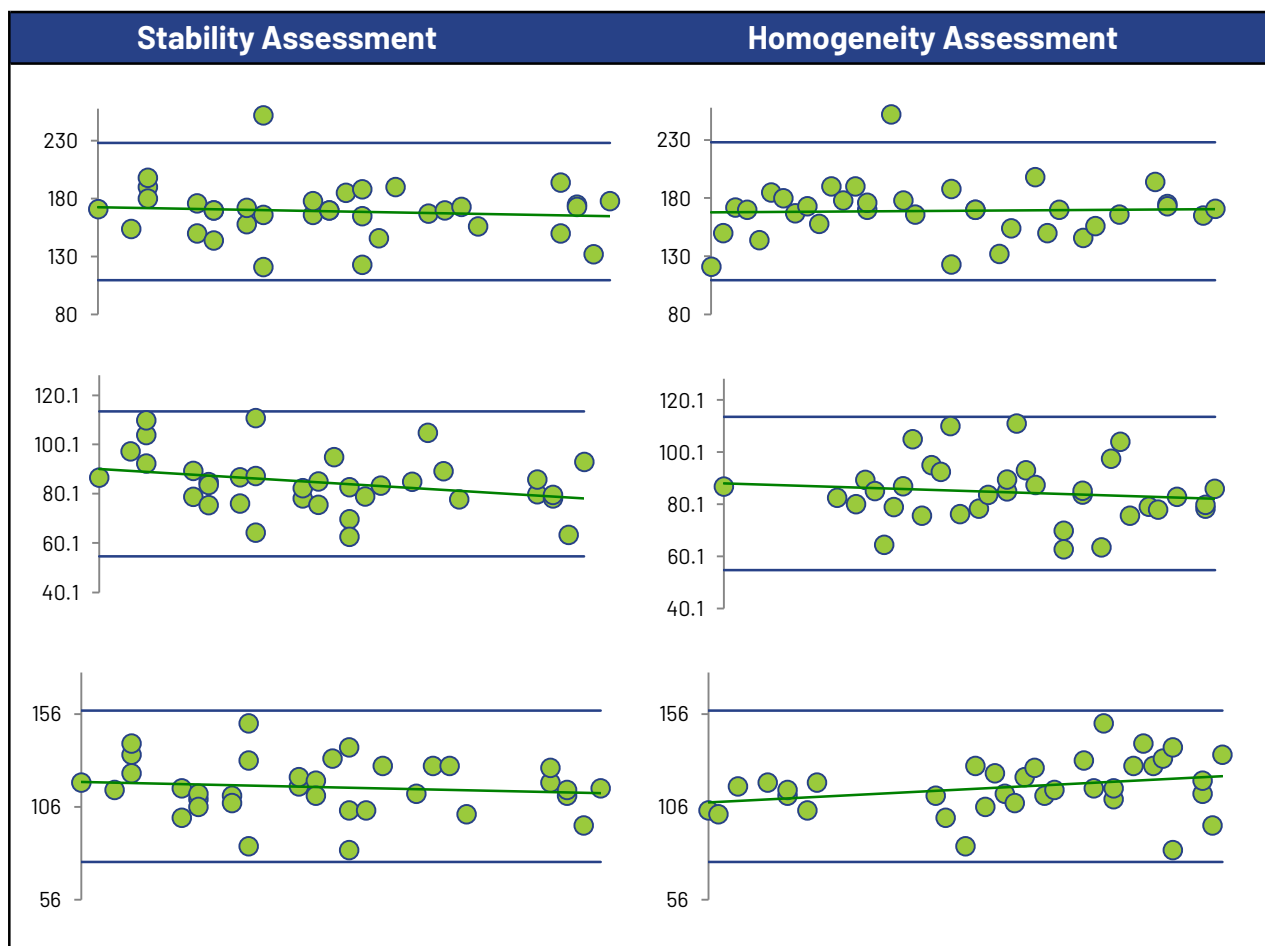
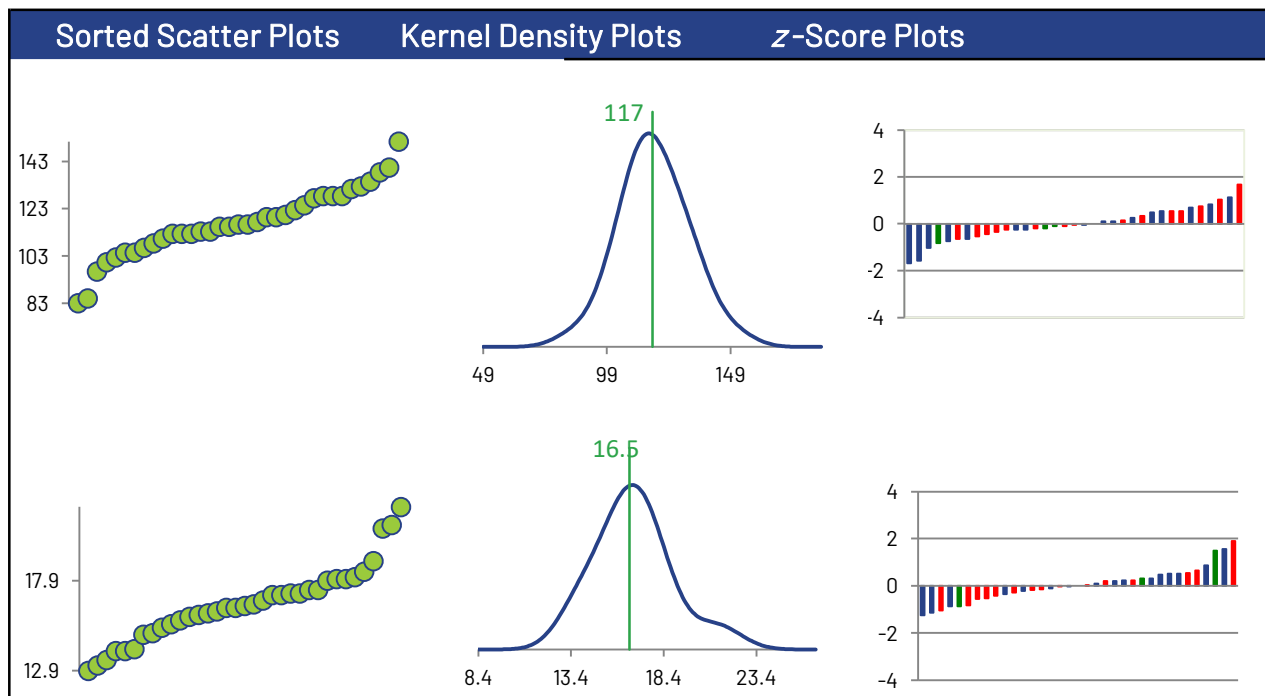
Method	C36-1	C36-2	C36-3	C36-4
GC/MS - PURGE AND TRAP (Blue)	17	17	17	17
GC/MS - HEADSPACE (Red)	15	15	15	15
GC/MS (Green)	3	3	3	3

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

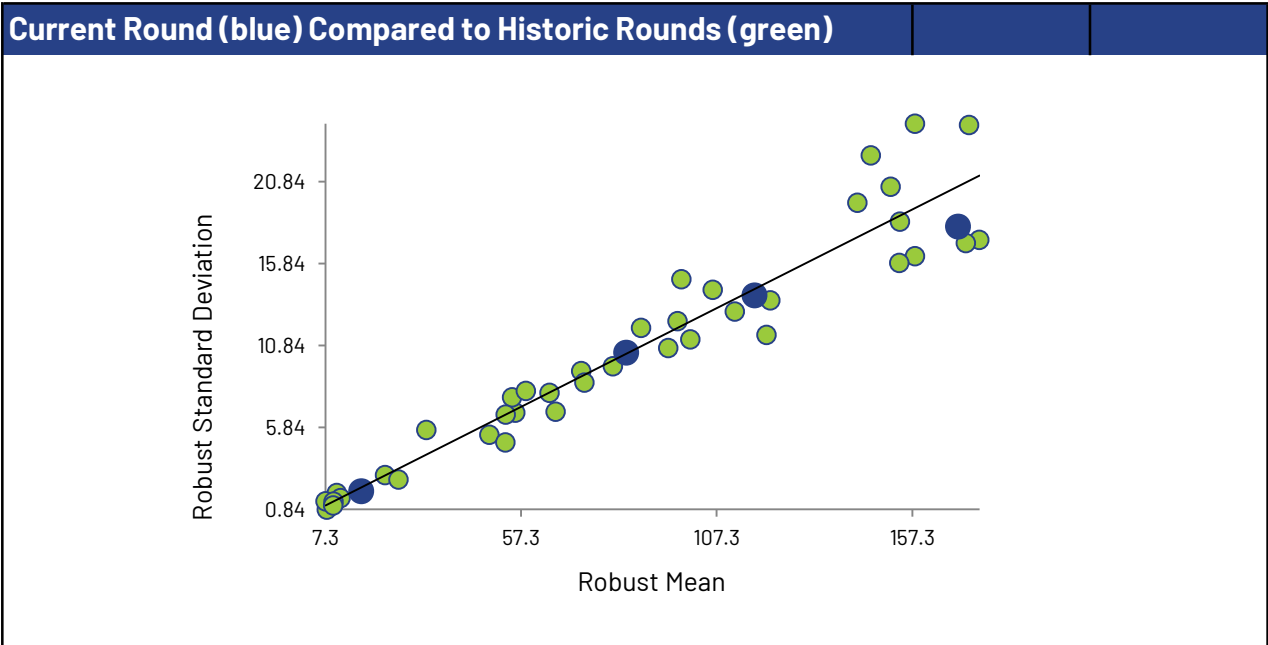
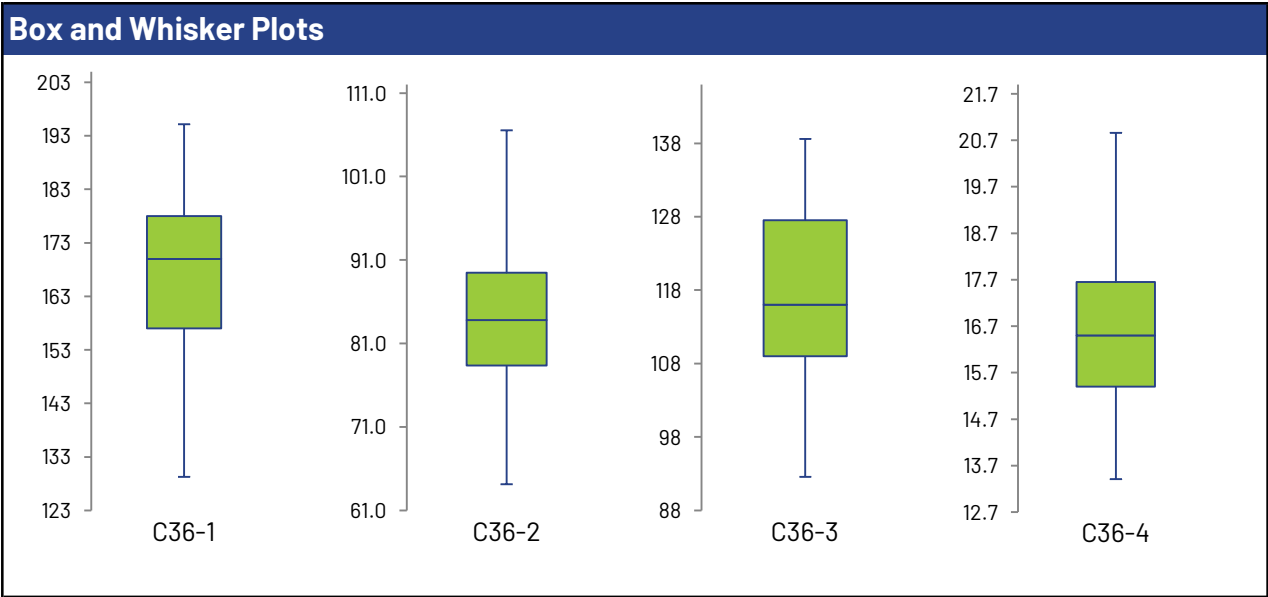
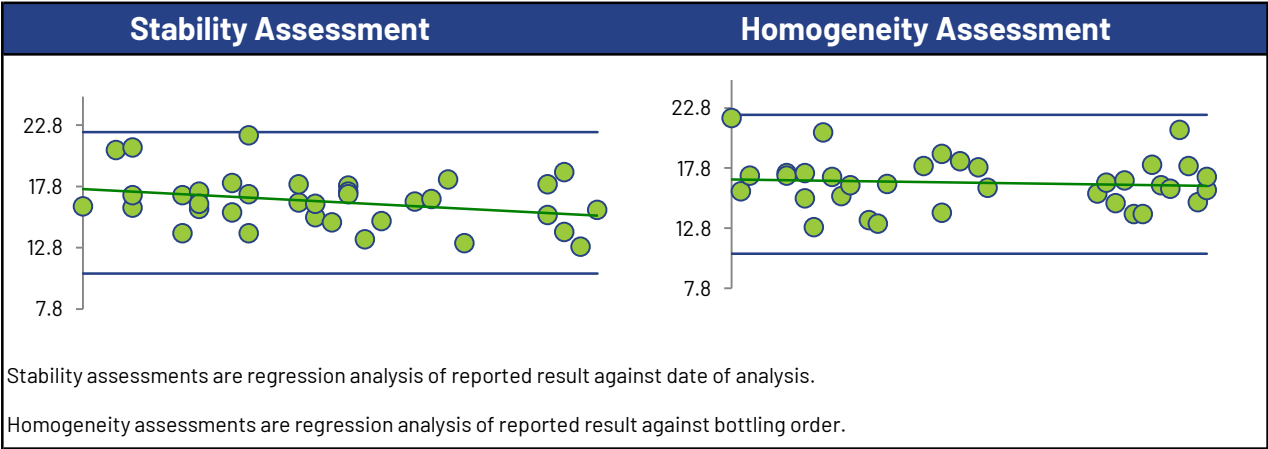


* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

1,3-Dichlorobenzene



1,3-Dichlorobenzene



1,4-Dichlorobenzene

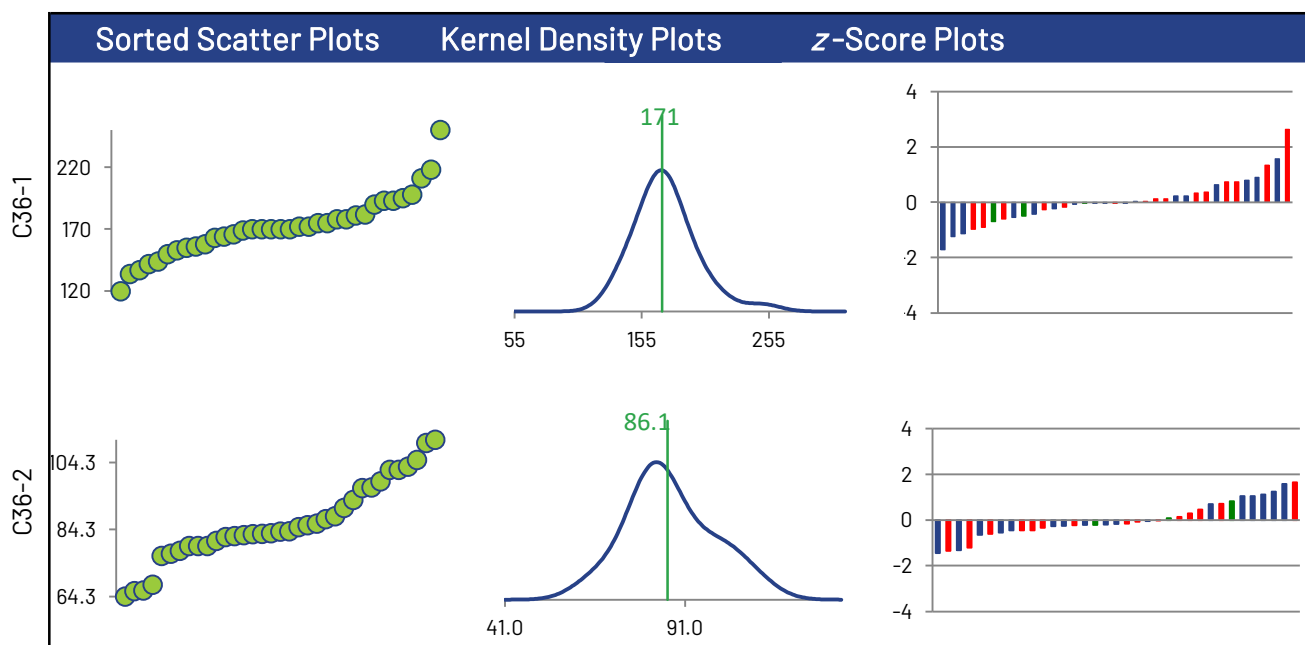
Summary Statistics

Statistic	C36-1	C36-2	C36-3	C36-4
No. of results used for summary statistics	35	35	35	35
Median µg/g	170	83.6	116	16.4
Robust Mean µg/g	171	86.1	118	16.7
Uncertainty of the Assigned Value µg/g	4.58	2.68	3.19	0.505
Robust Standard Deviation µg/g	21.7	12.7	15.1	2.39
Regression Standard Deviation µg/g	29.9	15.1	20.6	2.92
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) µg/g	29.9	15.1	20.6	2.92
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

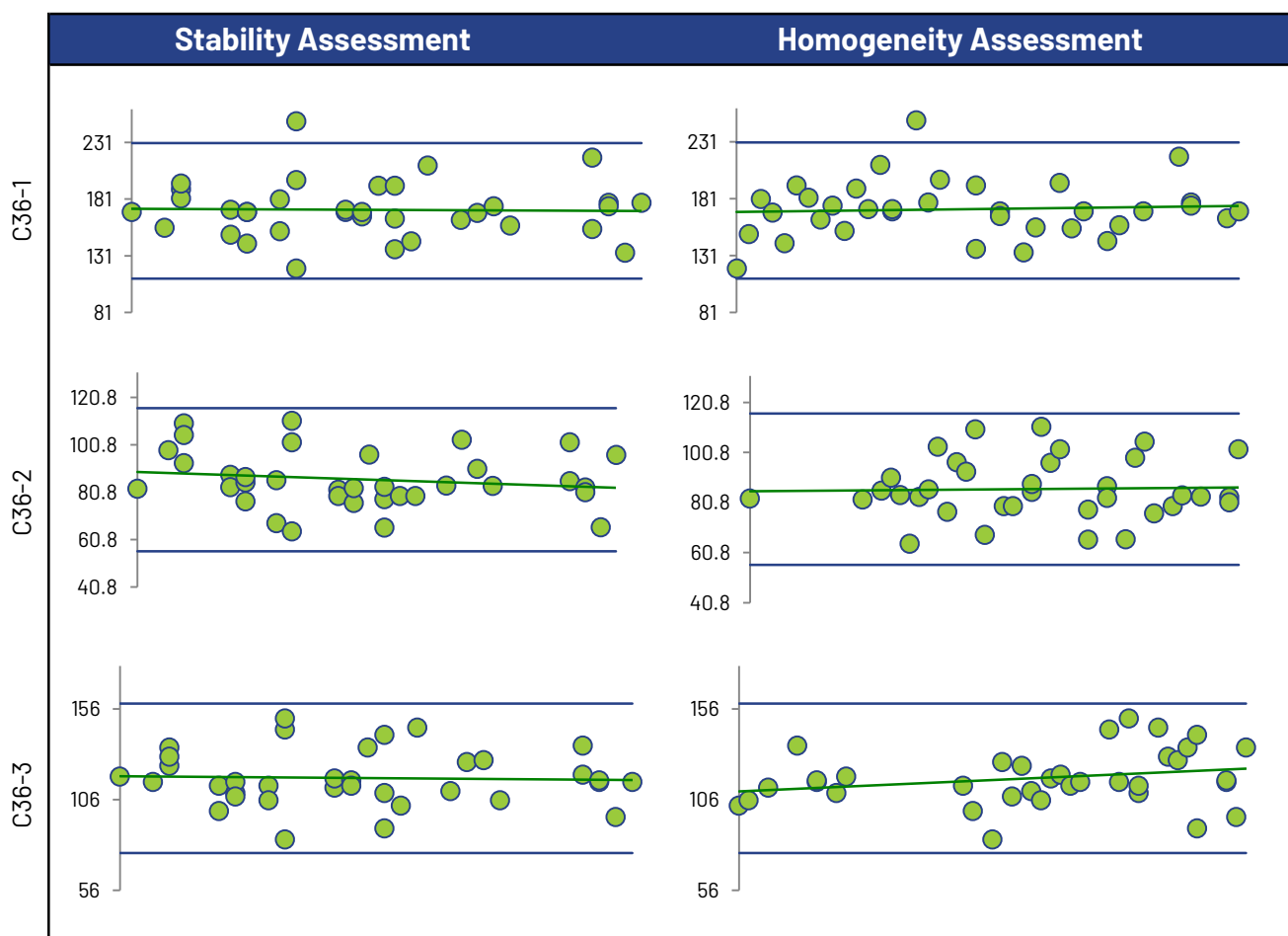
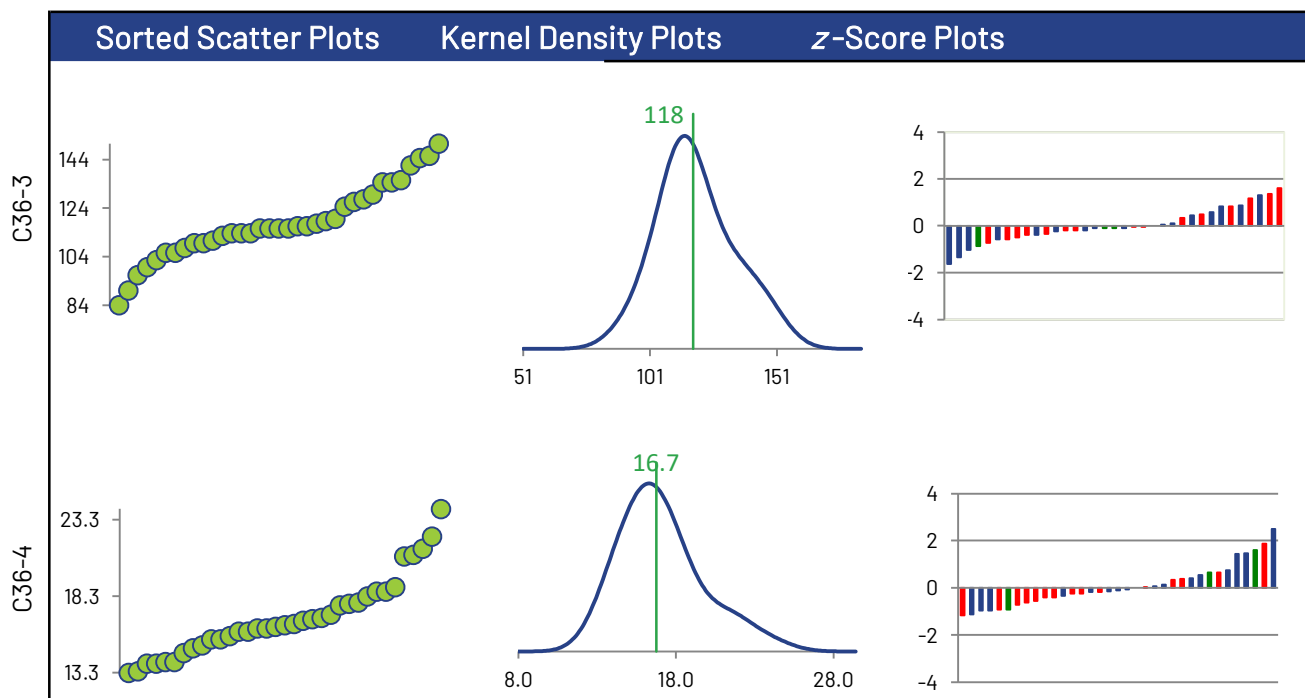
Method	C36-1	C36-2	C36-3	C36-4
GC/MS - PURGE AND TRAP (Blue)	17	17	17	17
GC/MS - HEADSPACE (Red)	15	15	15	15
GC/MS (Green)	3	3	3	3

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

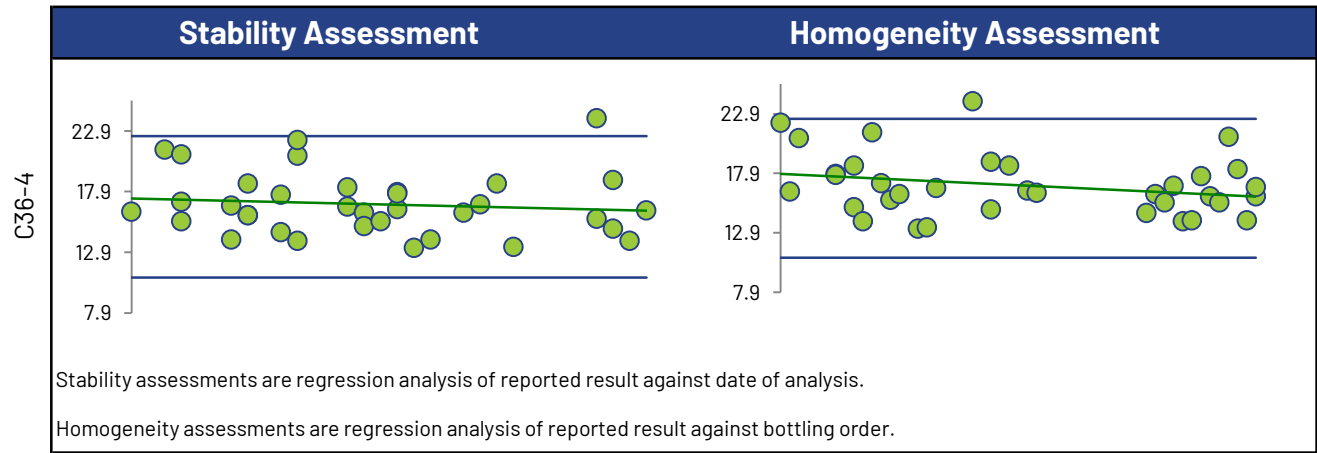


* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

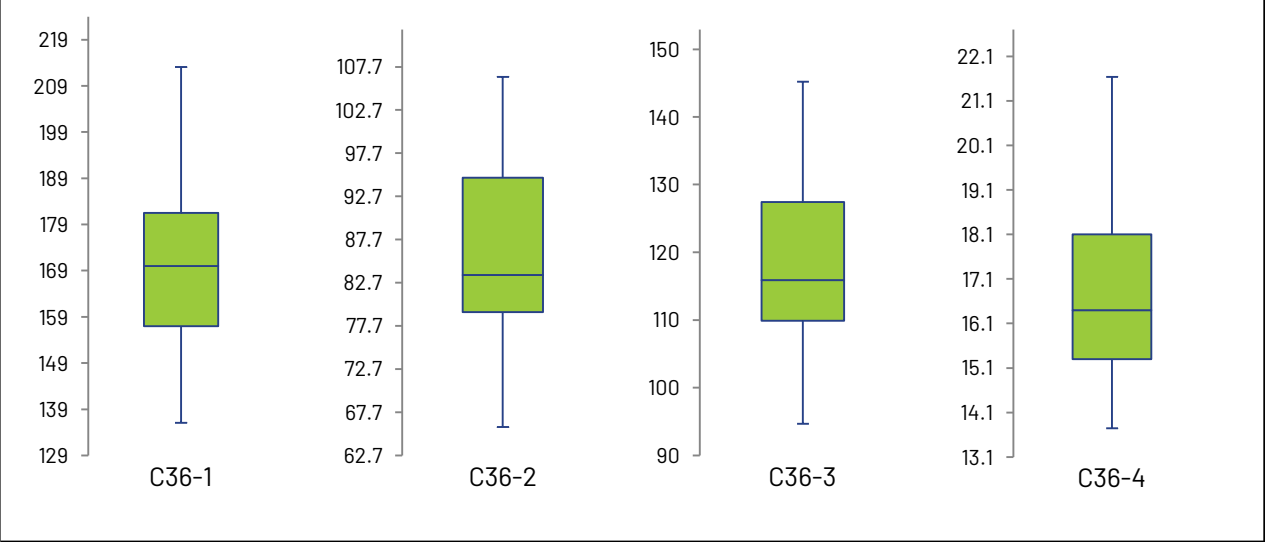
1,4-Dichlorobenzene



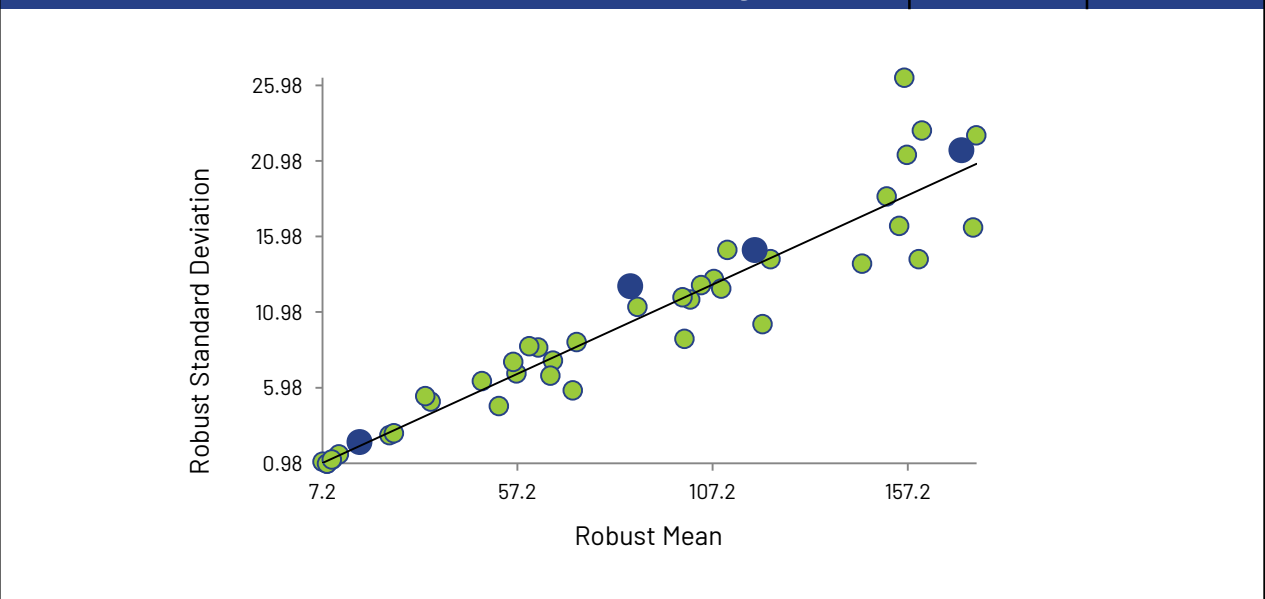
1,4-Dichlorobenzene



Box and Whisker Plots



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



Acetone (2-Propanone)

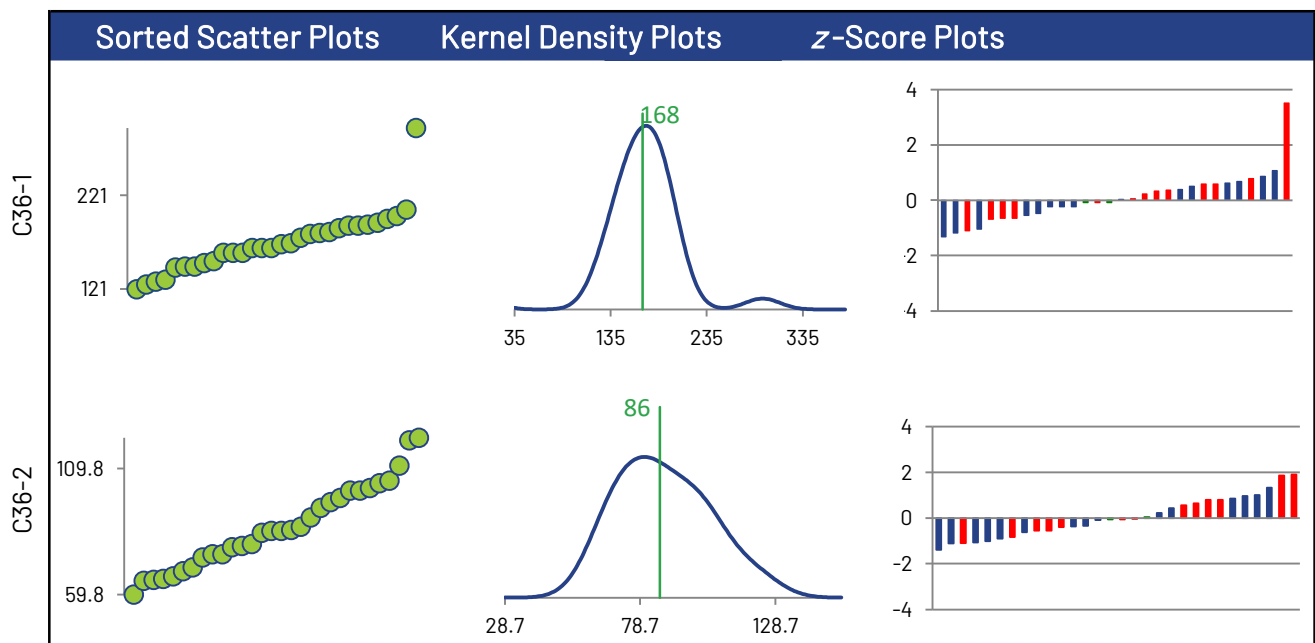
Summary Statistics

Statistic	C36-1	C36-2	C36-3	C36-4
No. of results used for summary statistics	30	30	30	30
Median µg/g	167	85.0	122	17.0
Robust Mean µg/g	168	86.0	122	17.4
Uncertainty of the Assigned Value µg/g	6.14	4.04	4.72	1.08
Robust Standard Deviation µg/g	26.9	17.7	20.7	4.72
Regression Standard Deviation µg/g	35.5	18.8	26.2	4.76
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) µg/g	35.5	18.8	26.2	4.76
Flagged Outliers	0	0	0	0
$ z > 3.0$	1	0	0	2
$2 < z < 3$	0	0	0	2
Failure Rate %*	10.0			

Methods Used

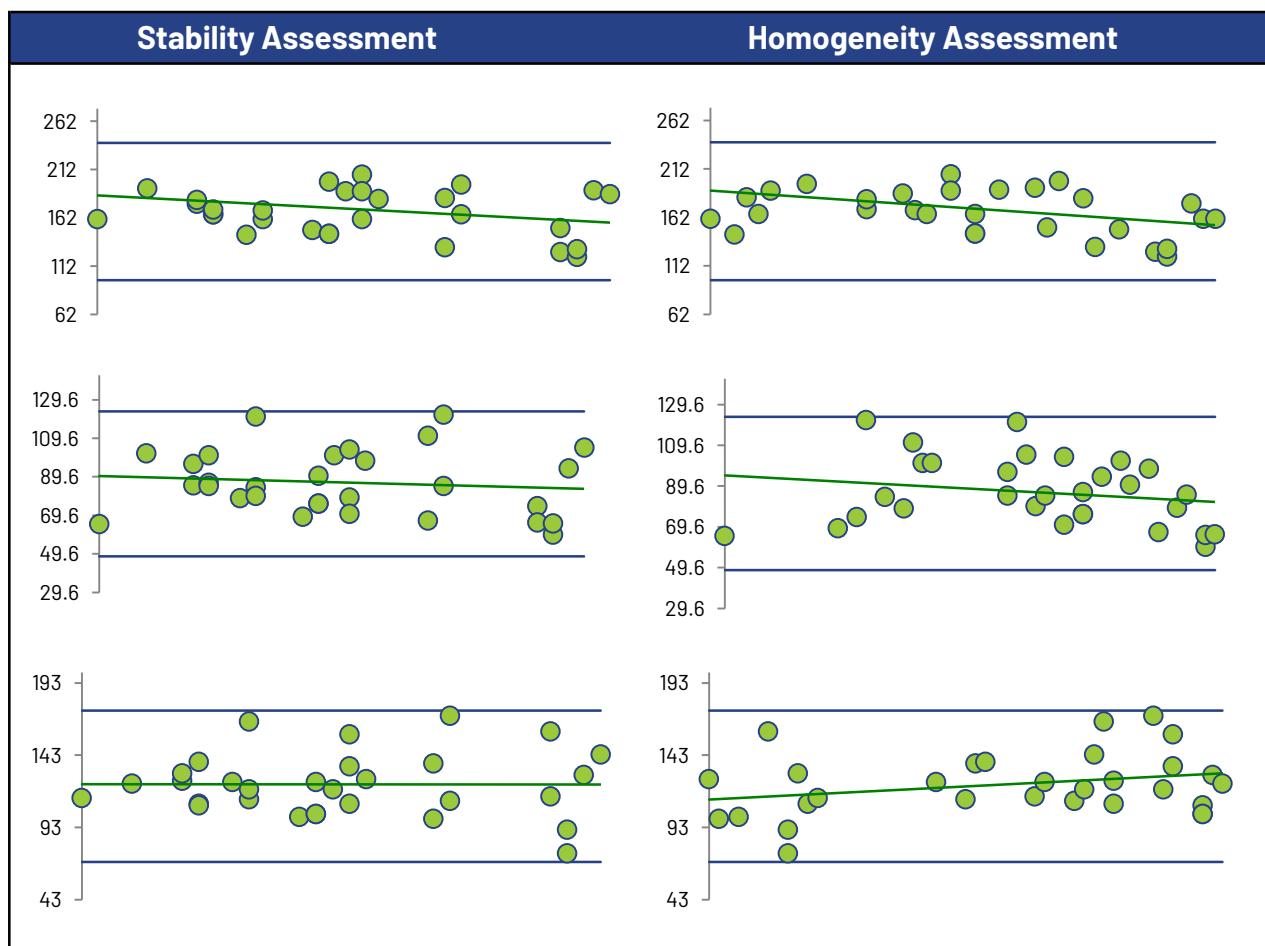
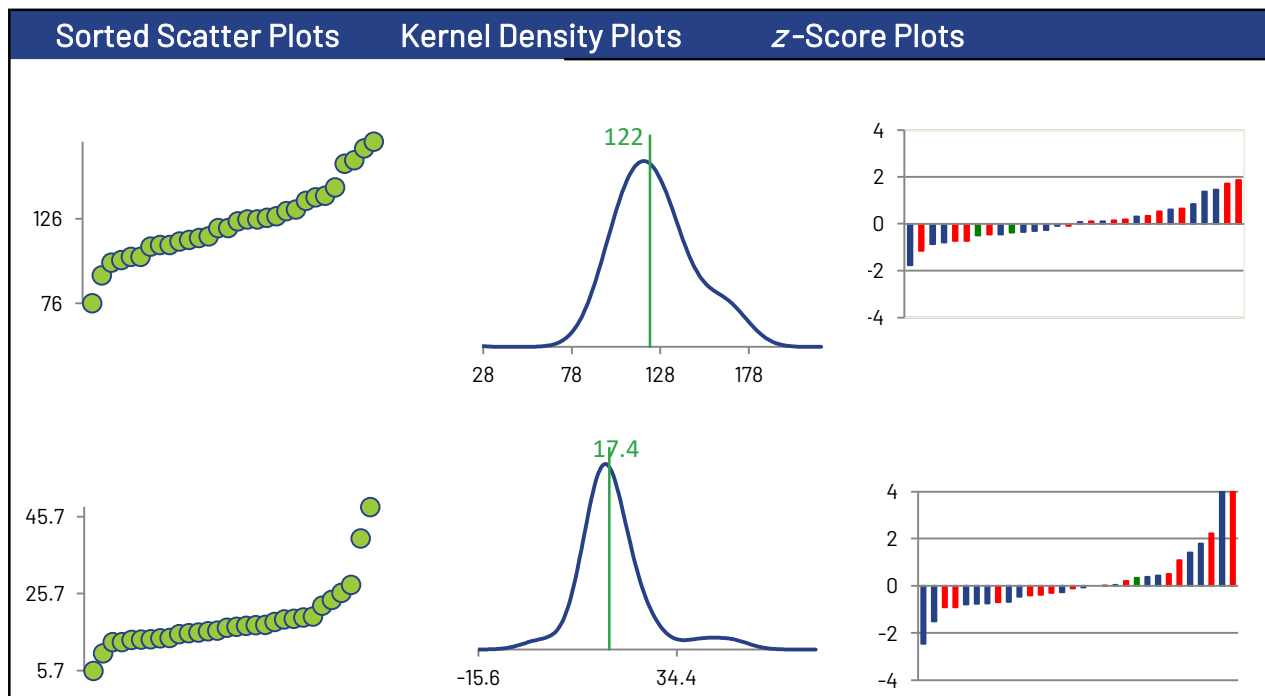
Method	C36-1	C36-2	C36-3	C36-4
GC/MS - PURGE AND TRAP (Blue)	15	15	15	15
GC/MS - HEADSPACE (Red)	13	13	13	13
GC/MS (Green)	2	2	2	2

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

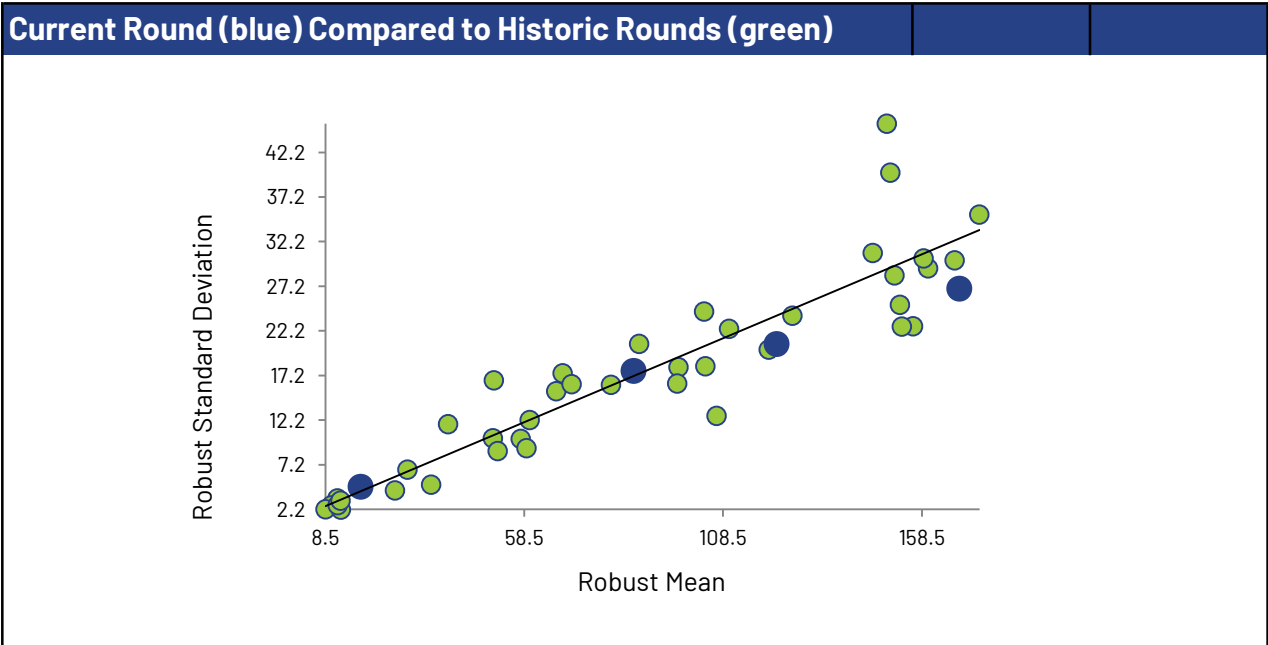
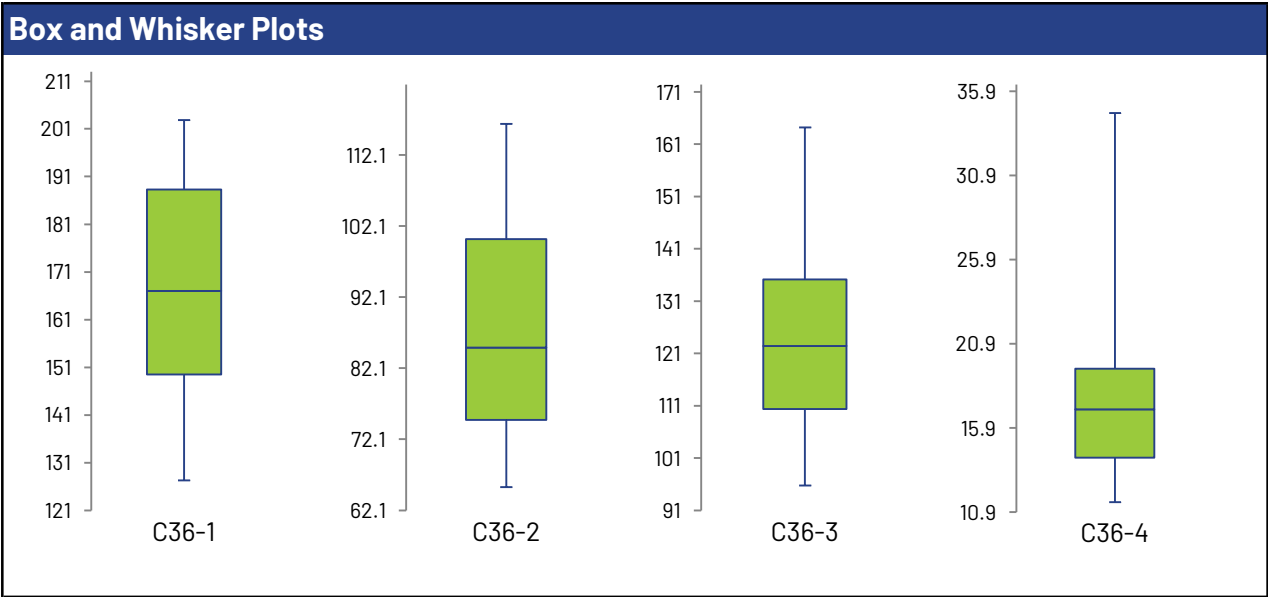
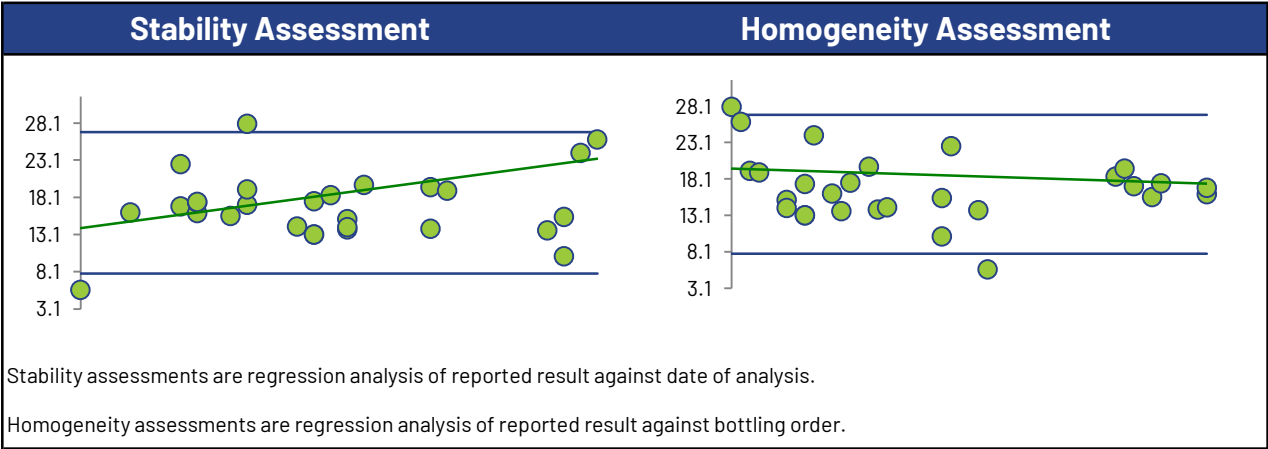


* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

Acetone (2-Propanone)



Acetone (2-Propanone)



Benzene

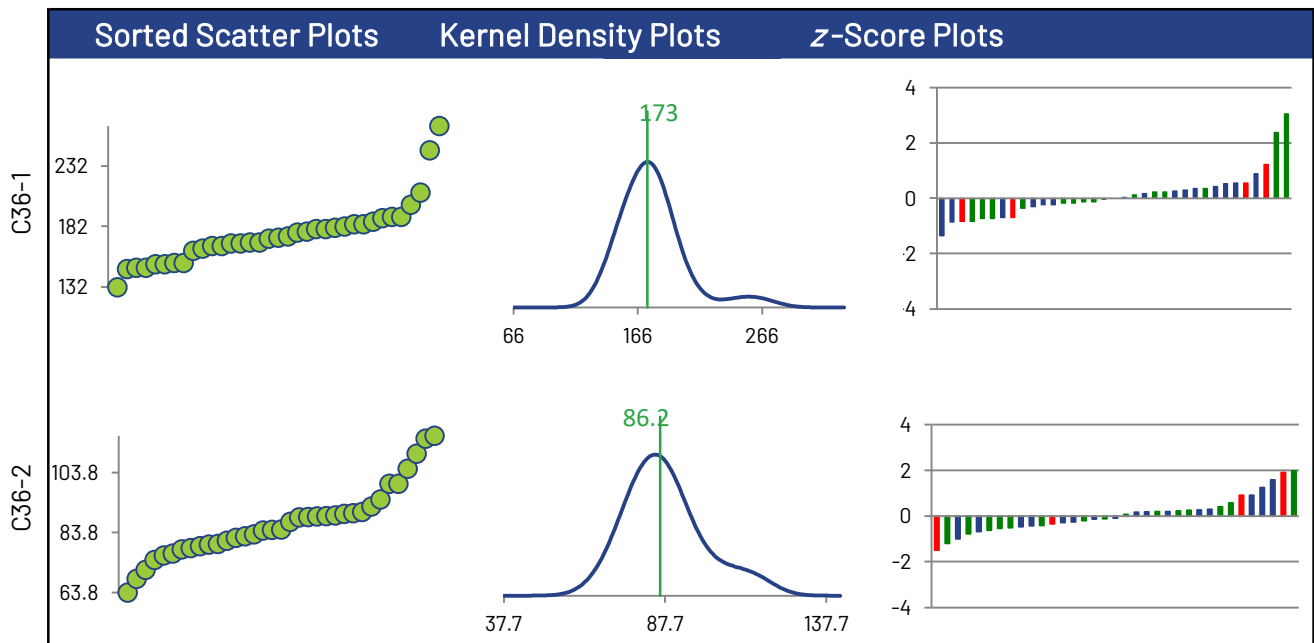
Summary Statistics

Statistic	C36-1	C36-2	C36-3	C36-4
No. of results used for summary statistics	35	35	35	35
Median µg/g	173	84.8	118	17.1
Robust Mean µg/g	173	86.2	121	17.2
Uncertainty of the Assigned Value µg/g	4.06	2.24	2.47	0.298
Robust Standard Deviation µg/g	19.2	10.6	11.7	1.41
Regression Standard Deviation µg/g	30.2	15.1	21.1	3.01
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) µg/g	30.2	15.1	21.1	3.01
Flagged Outliers	0	0	0	0
$ z > 3.0$	1	0	0	1
$2 < z < 3$	1	0	0	0
Failure Rate %*	2.9			

Methods Used

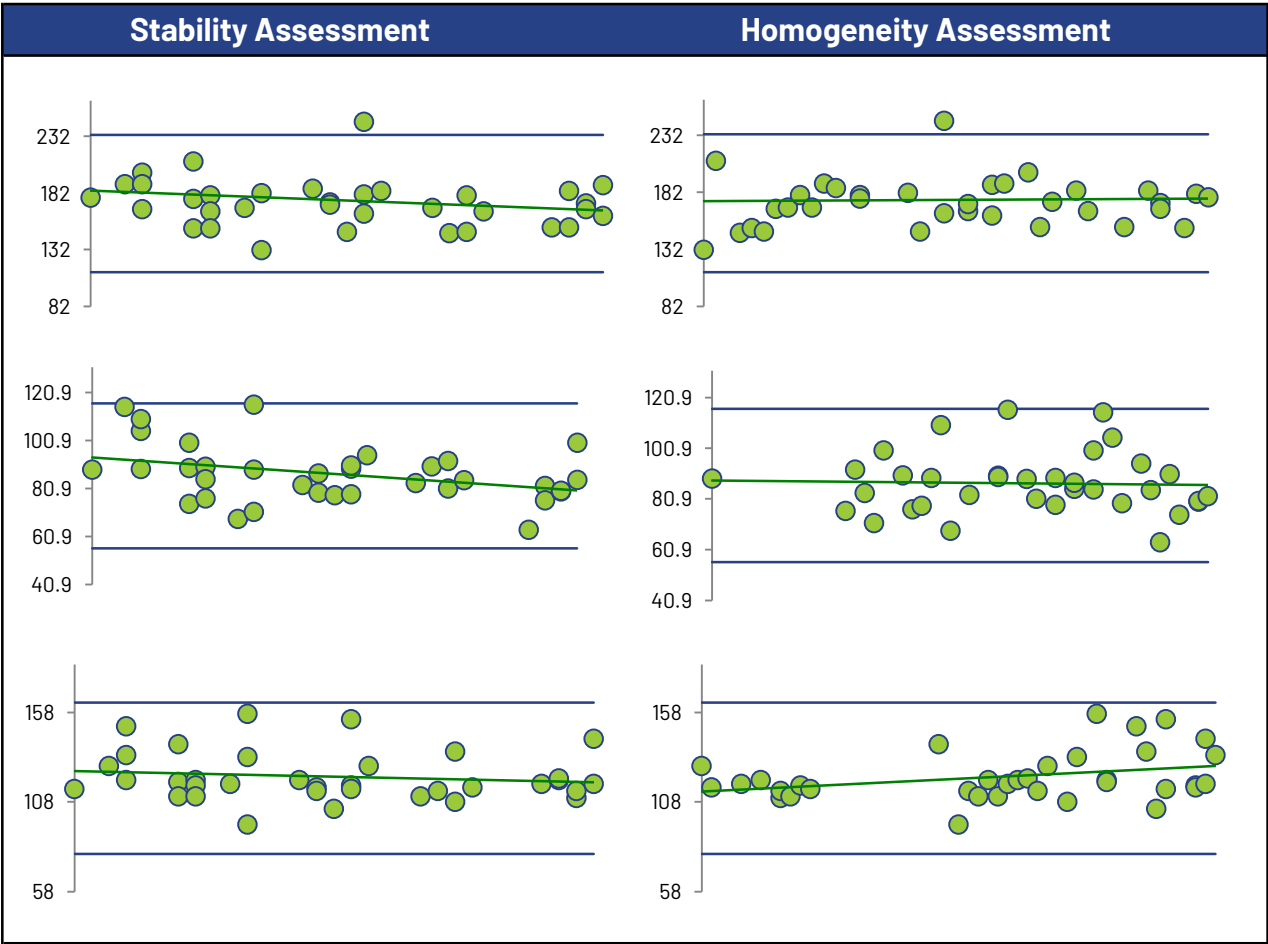
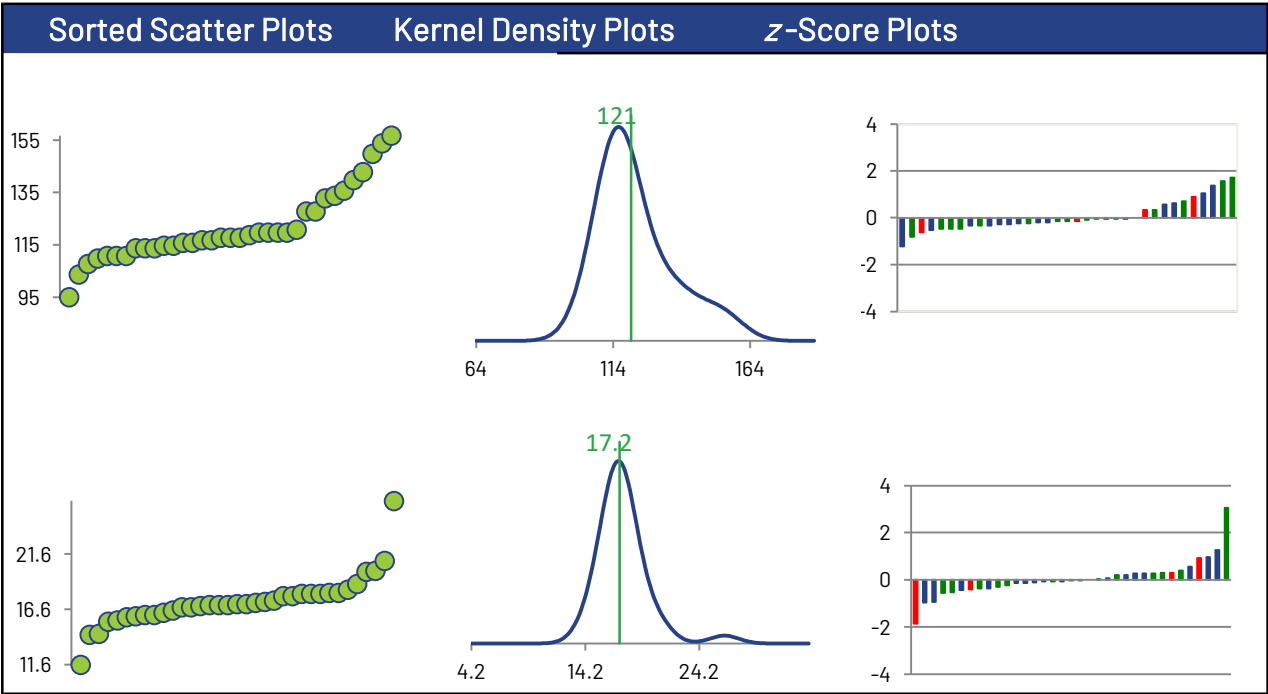
Method	C36-1	C36-2	C36-3	C36-4
GC/MS - PURGE AND TRAP (Blue)	16	16	16	16
GC/MS (Red)	4	4	4	4
GC/MS - HEADSPACE (Green)	15	15	15	15

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

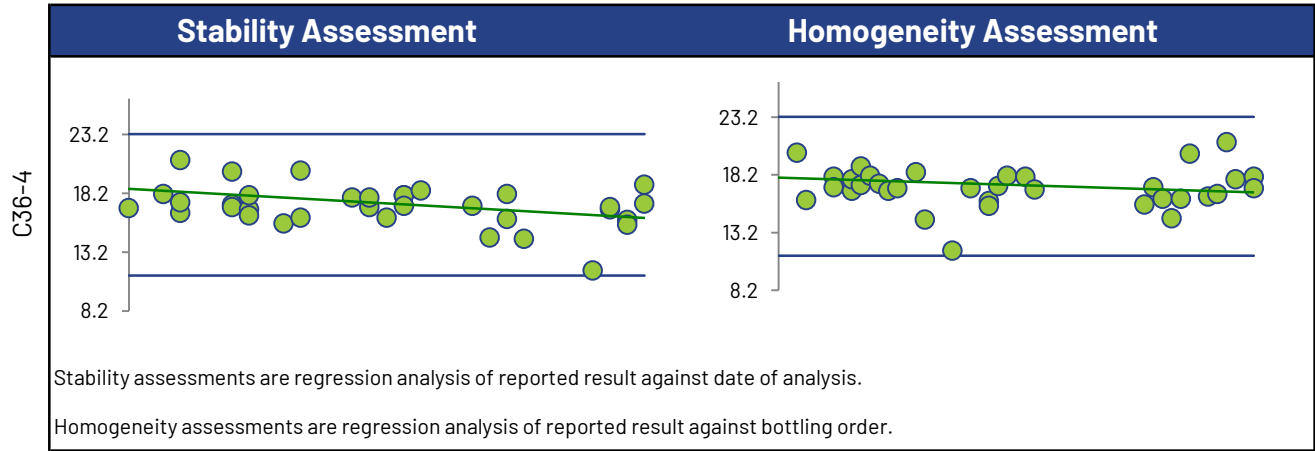


* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

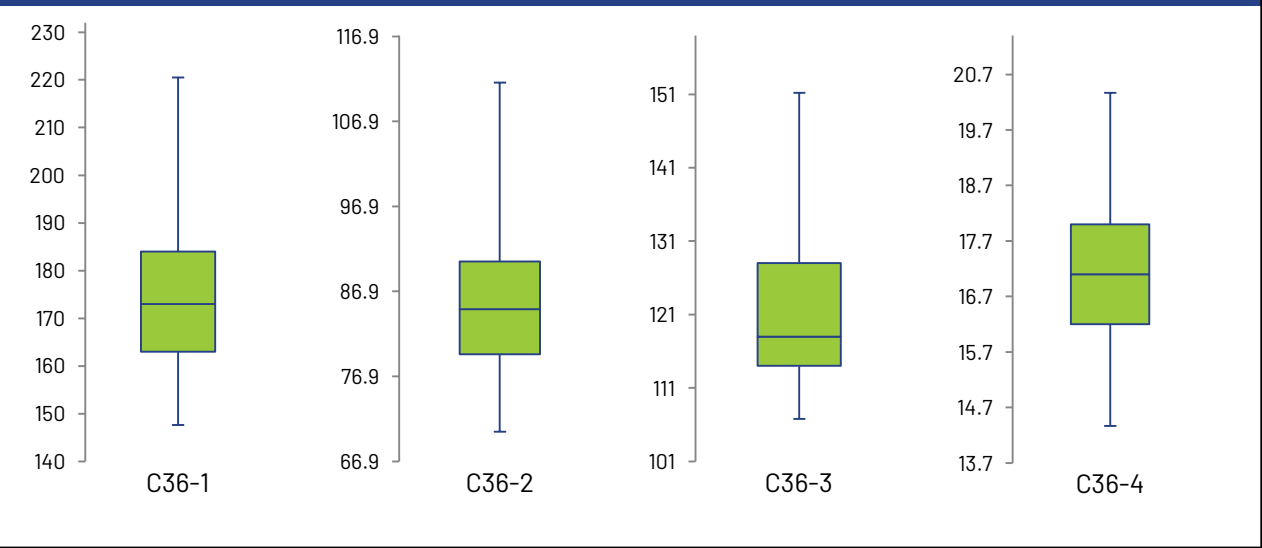
Benzene



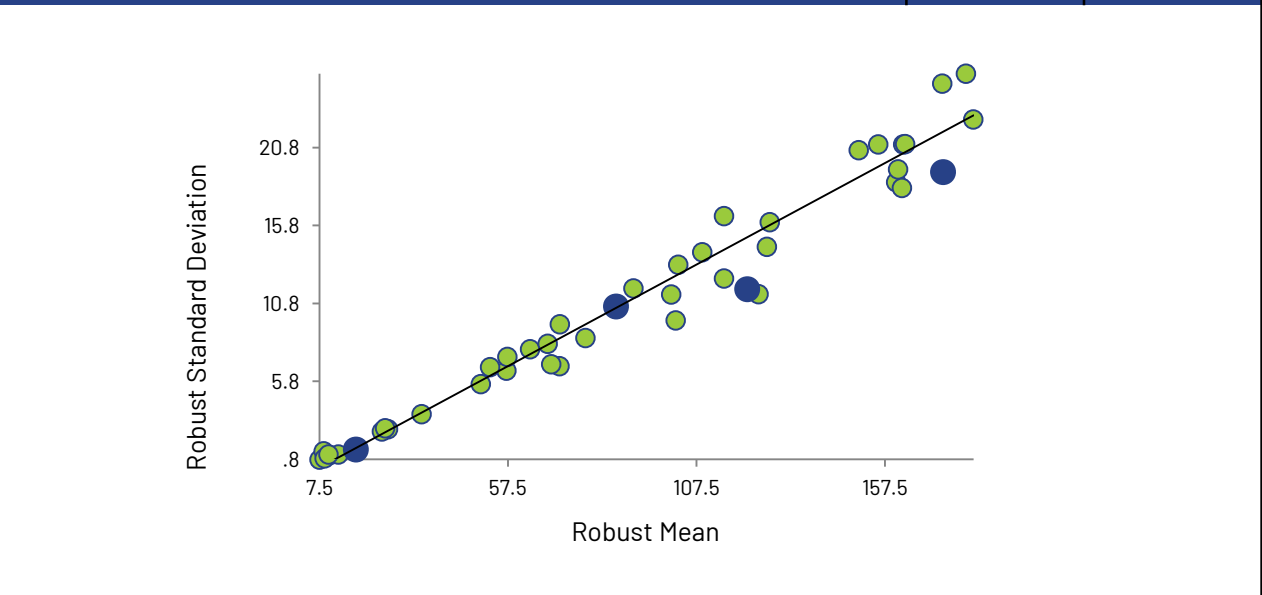
Benzene



Box and Whisker Plots



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



Bromodichloromethane

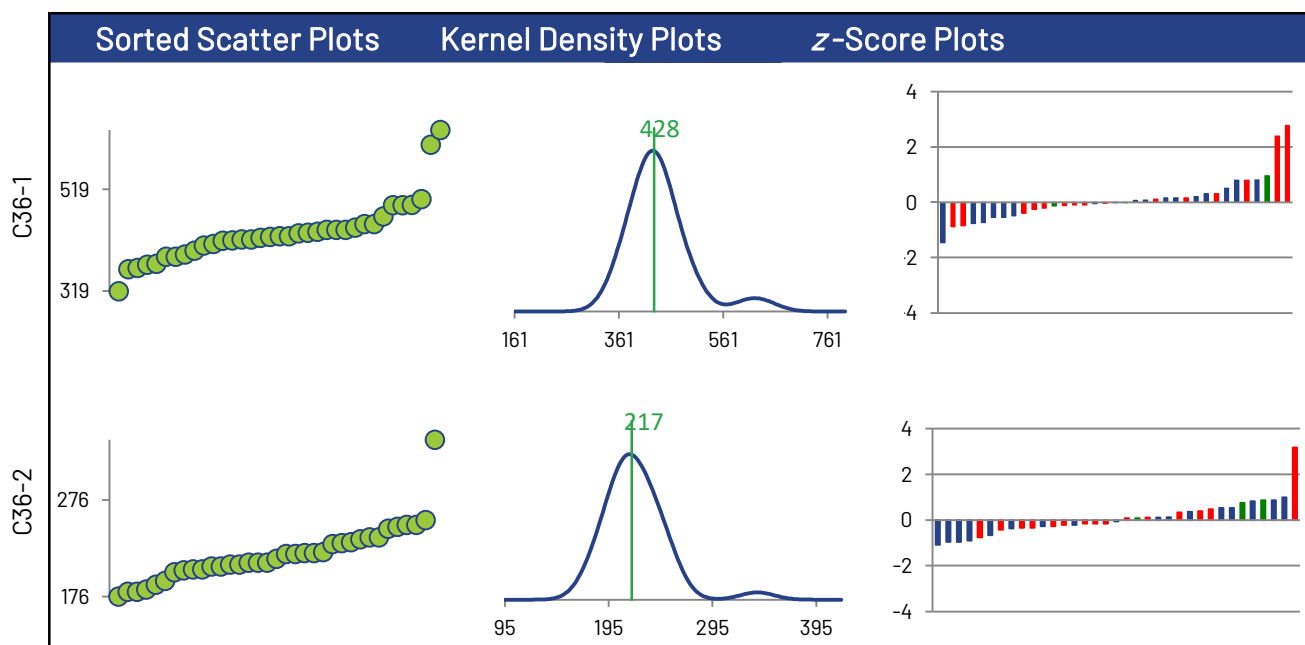
Summary Statistics

Statistic	C36-1	C36-2	C36-3	C36-4
No. of results used for summary statistics	35	35	35	35
Median µg/g	427	215	298	41.2
Robust Mean µg/g	428	217	297	41.7
Uncertainty of the Assigned Value µg/g	9.51	5.26	7.44	1.29
Robust Standard Deviation µg/g	45.0	24.9	35.2	6.10
Regression Standard Deviation µg/g	74.9	38.0	51.9	7.30
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) µg/g	74.9	38.0	51.9	7.30
Flagged Outliers	0	0	0	0
$ z > 3.0$	0	1	1	1
$2 < z < 3$	2	0	1	1
Failure Rate %*	2.9			

Methods Used

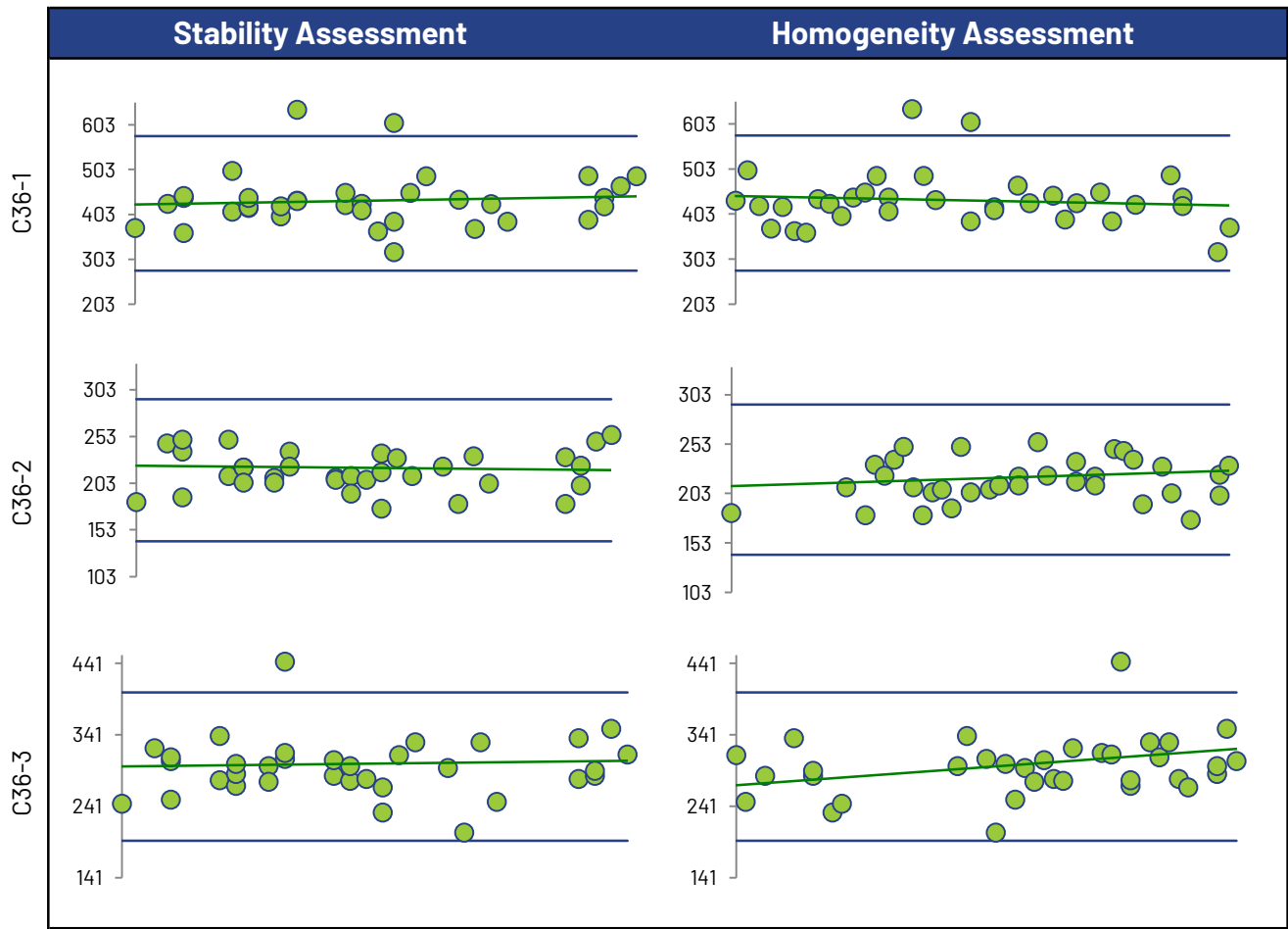
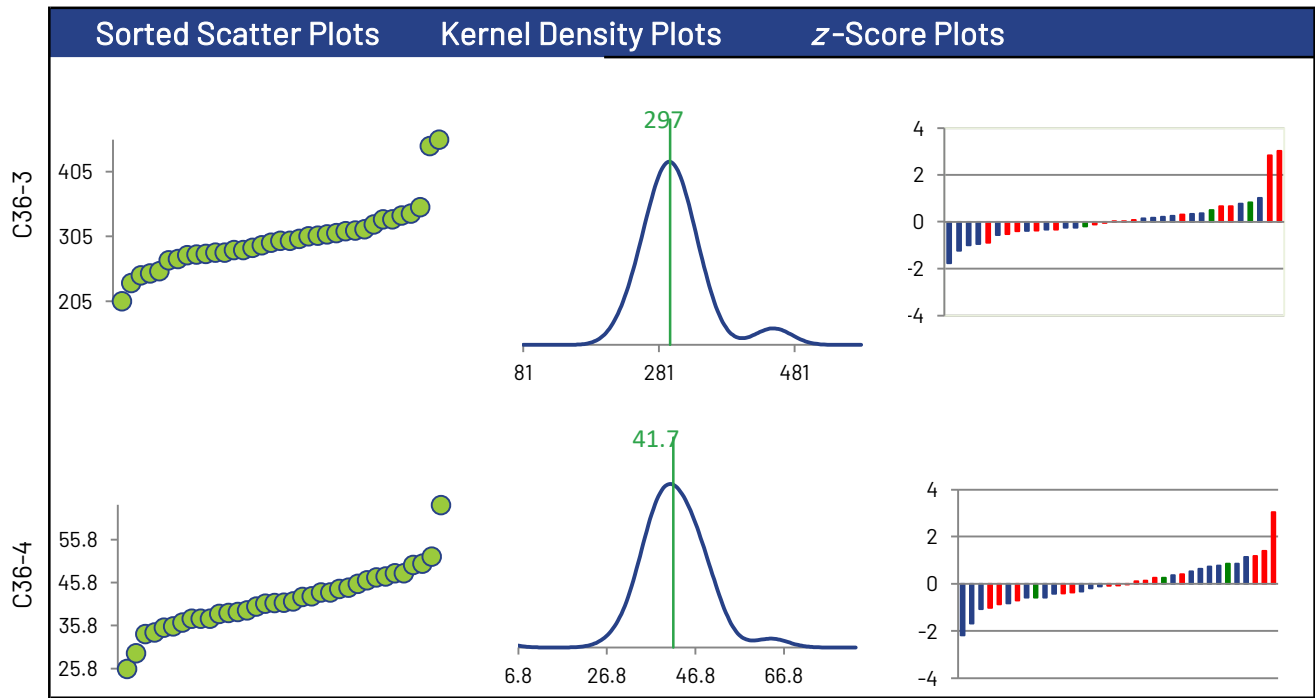
Method	C36-1	C36-2	C36-3	C36-4
GC/MS - PURGE AND TRAP (Blue)	17	17	17	17
GC/MS - HEADSPACE (Red)	15	15	15	15
GC/MS (Green)	3	3	3	3

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

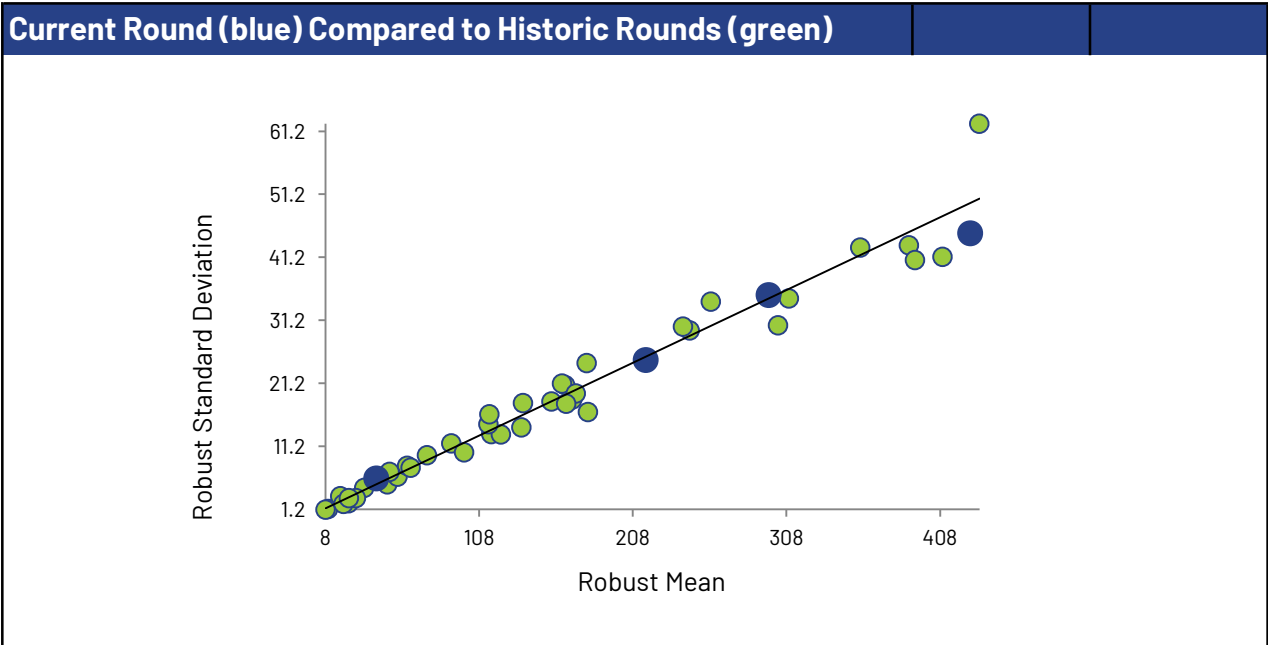
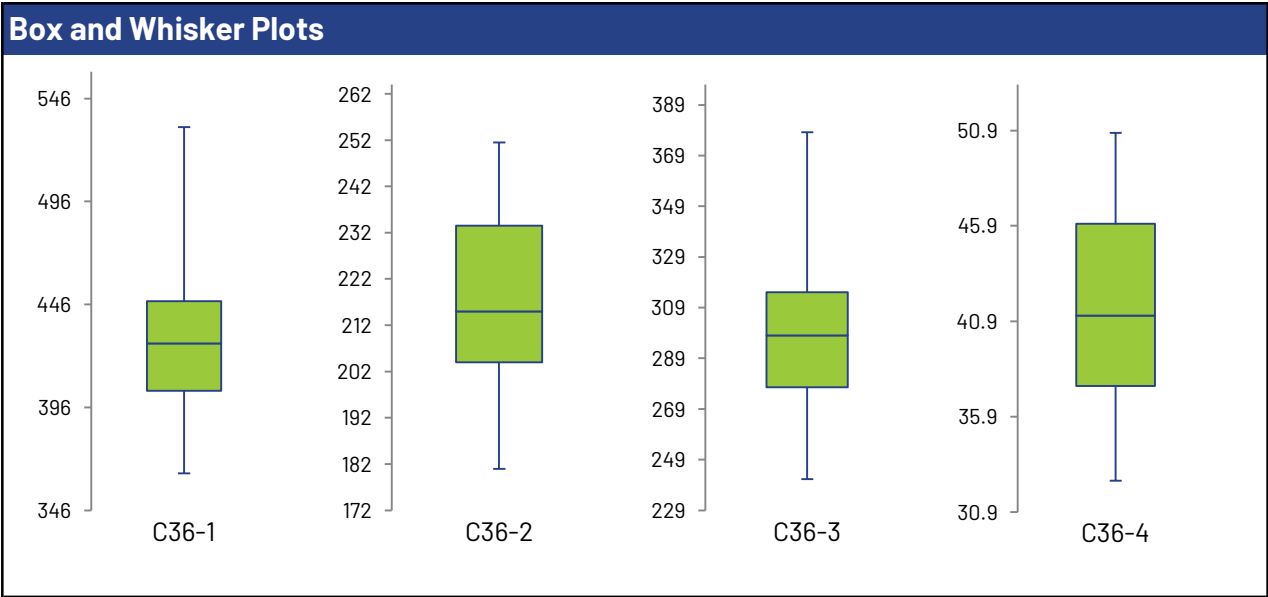
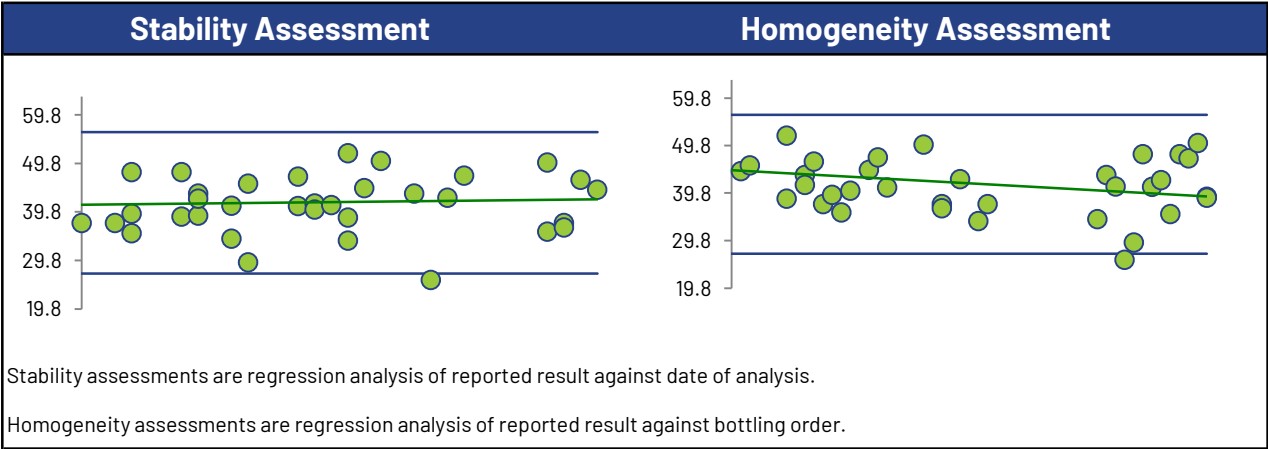


* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

Bromodichloromethane



Bromodichloromethane



Bromoform

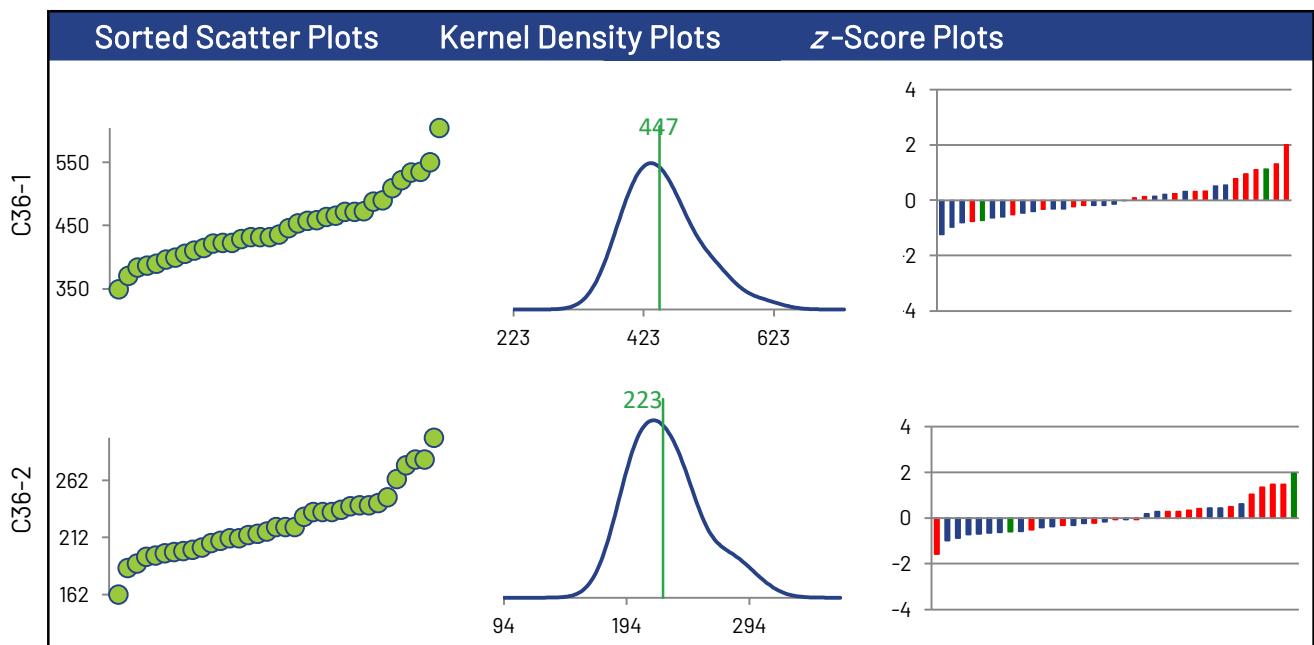
Summary Statistics

Statistic	C36-1	C36-2	C36-3	C36-4
No. of results used for summary statistics	35	35	35	35
Median µg/g	436	221	306	42.5
Robust Mean µg/g	447	223	307	42.7
Uncertainty of the Assigned Value µg/g	11.4	5.81	8.75	1.21
Robust Standard Deviation µg/g	53.8	27.5	41.4	5.73
Regression Standard Deviation µg/g	78.2	38.9	53.7	7.48
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) µg/g	78.2	38.9	53.7	7.48
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

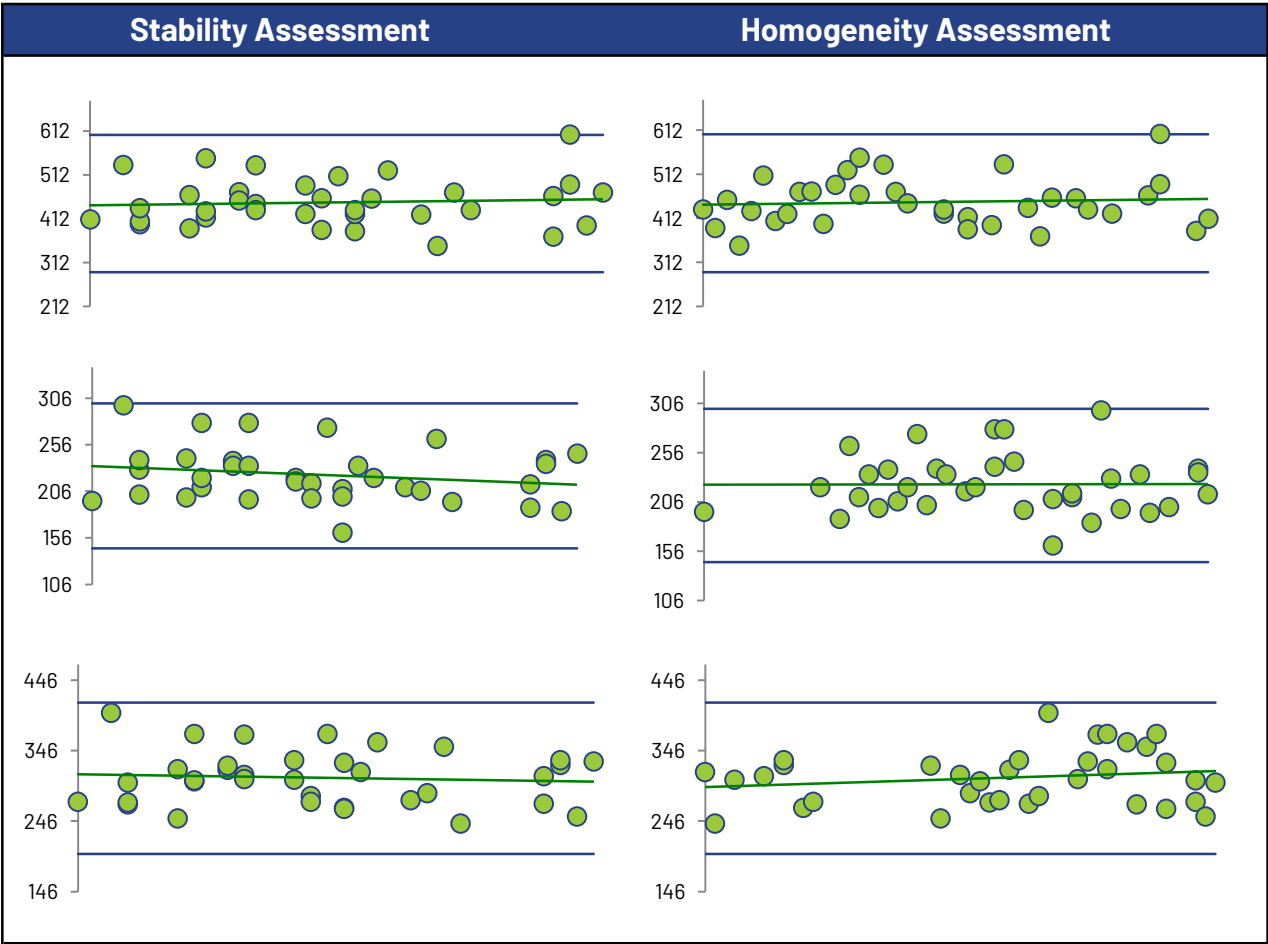
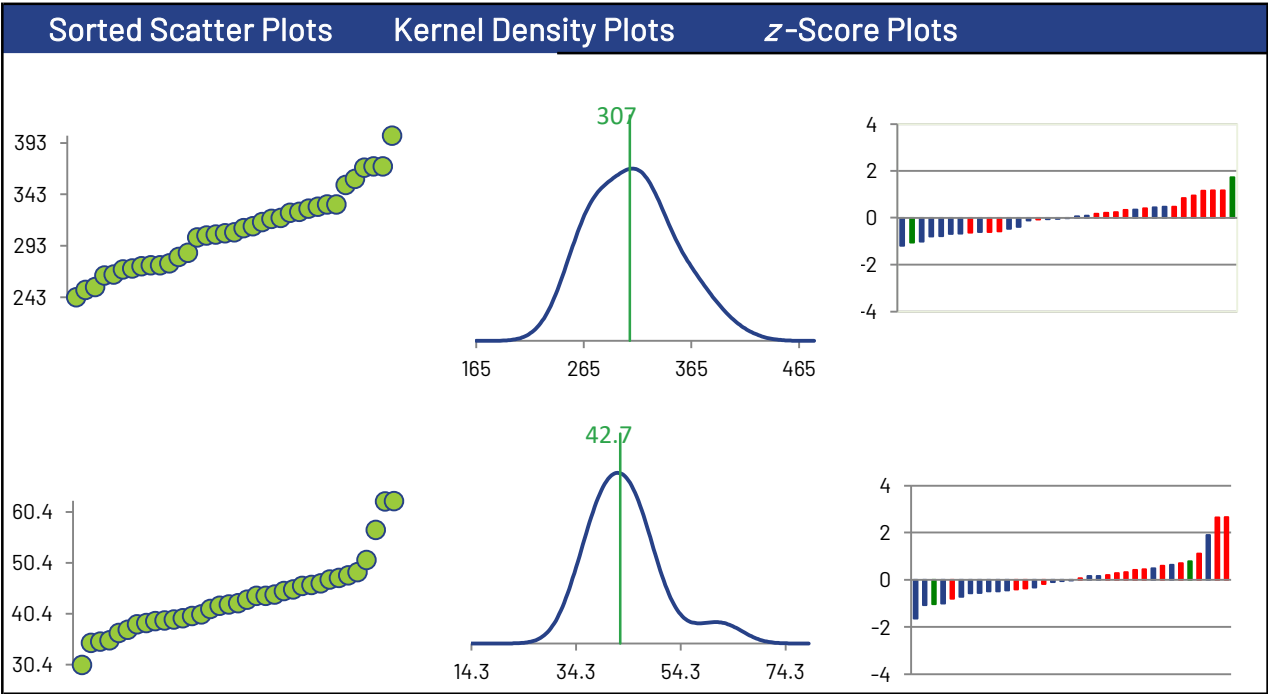
Method	C36-1	C36-2	C36-3	C36-4
GC/MS - PURGE AND TRAP (Blue)	18	18	18	18
GC/MS - HEADSPACE (Red)	15	15	15	15
GC/MS (Green)	2	2	2	2

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

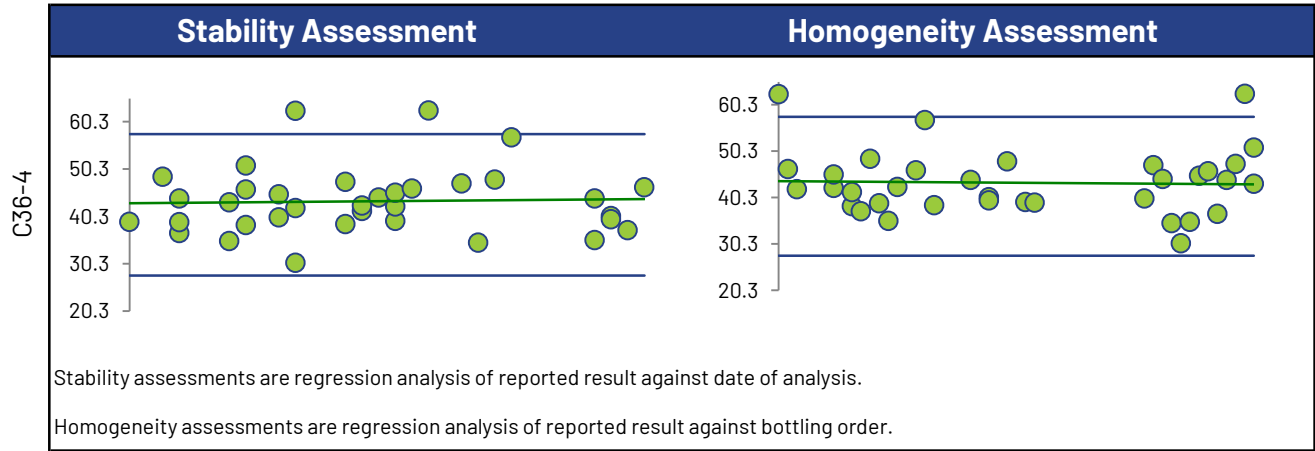


* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

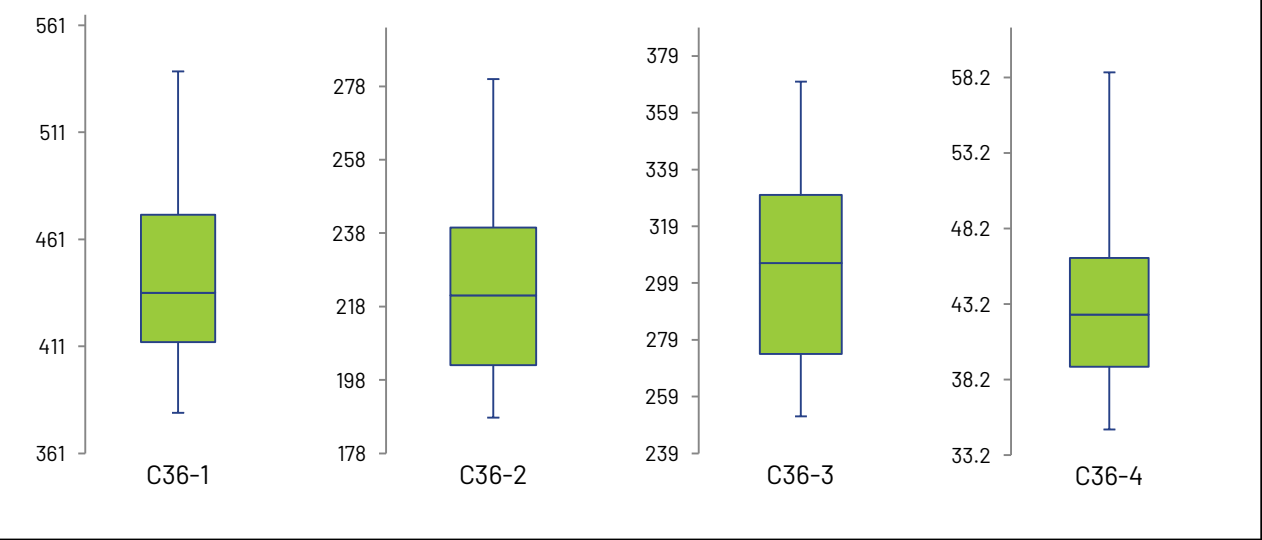
Bromoform



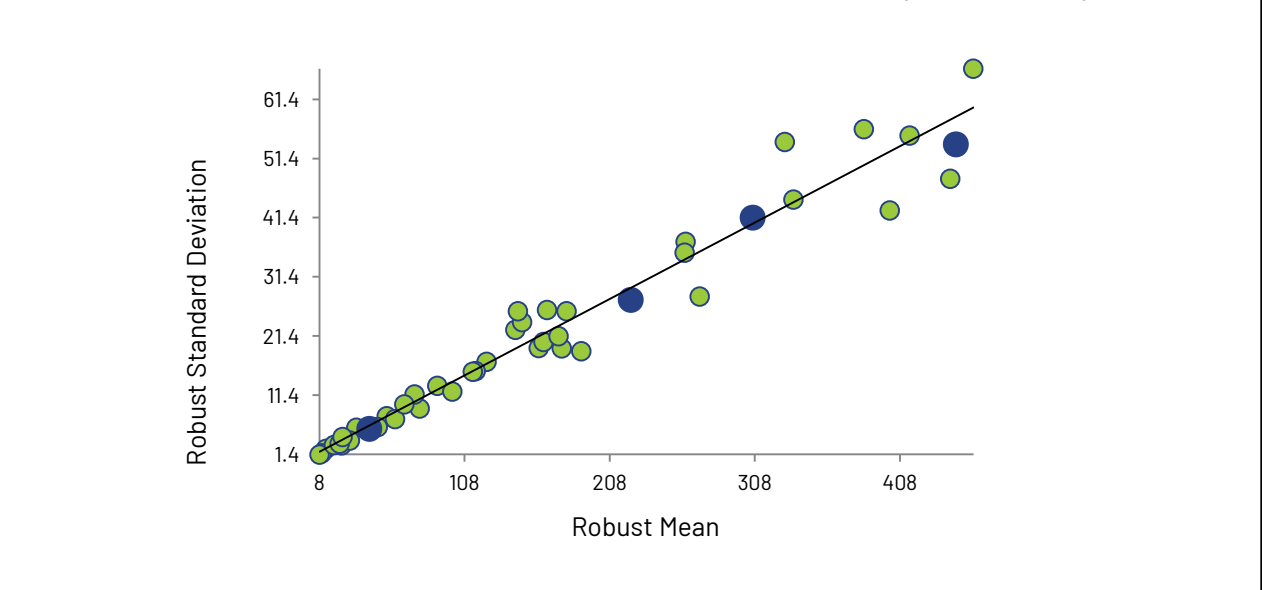
Bromoform



Box and Whisker Plots



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



Carbon tetrachloride

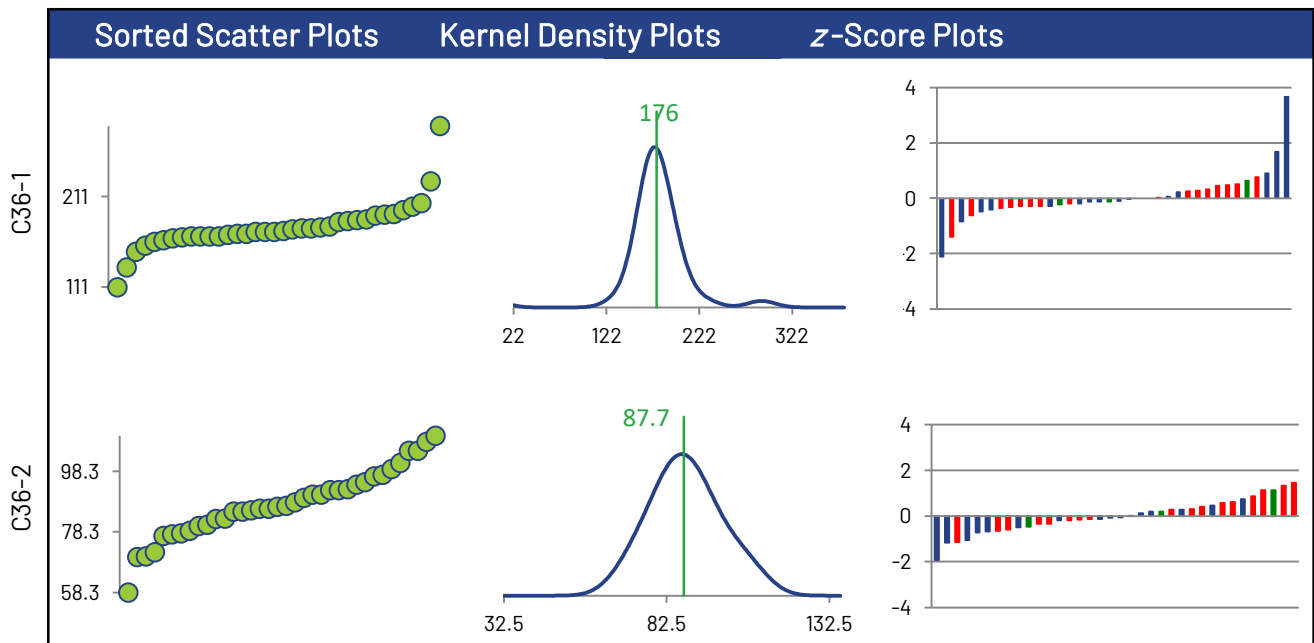
Summary Statistics

Statistic	C36-1	C36-2	C36-3	C36-4
No. of results used for summary statistics	36	36	36	36
Median µg/g	173	86.8	121	16.8
Robust Mean µg/g	176	87.7	120	16.9
Uncertainty of the Assigned Value µg/g	3.27	2.38	2.75	0.352
Robust Standard Deviation µg/g	15.7	11.4	13.2	1.69
Regression Standard Deviation µg/g	30.7	15.3	21.0	2.96
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) µg/g	30.7	15.3	21.0	2.96
Flagged Outliers	0	0	0	0
z >3.0	1	0	0	0
2< z <3	1	0	1	0
Failure Rate %*	0.0			

Methods Used

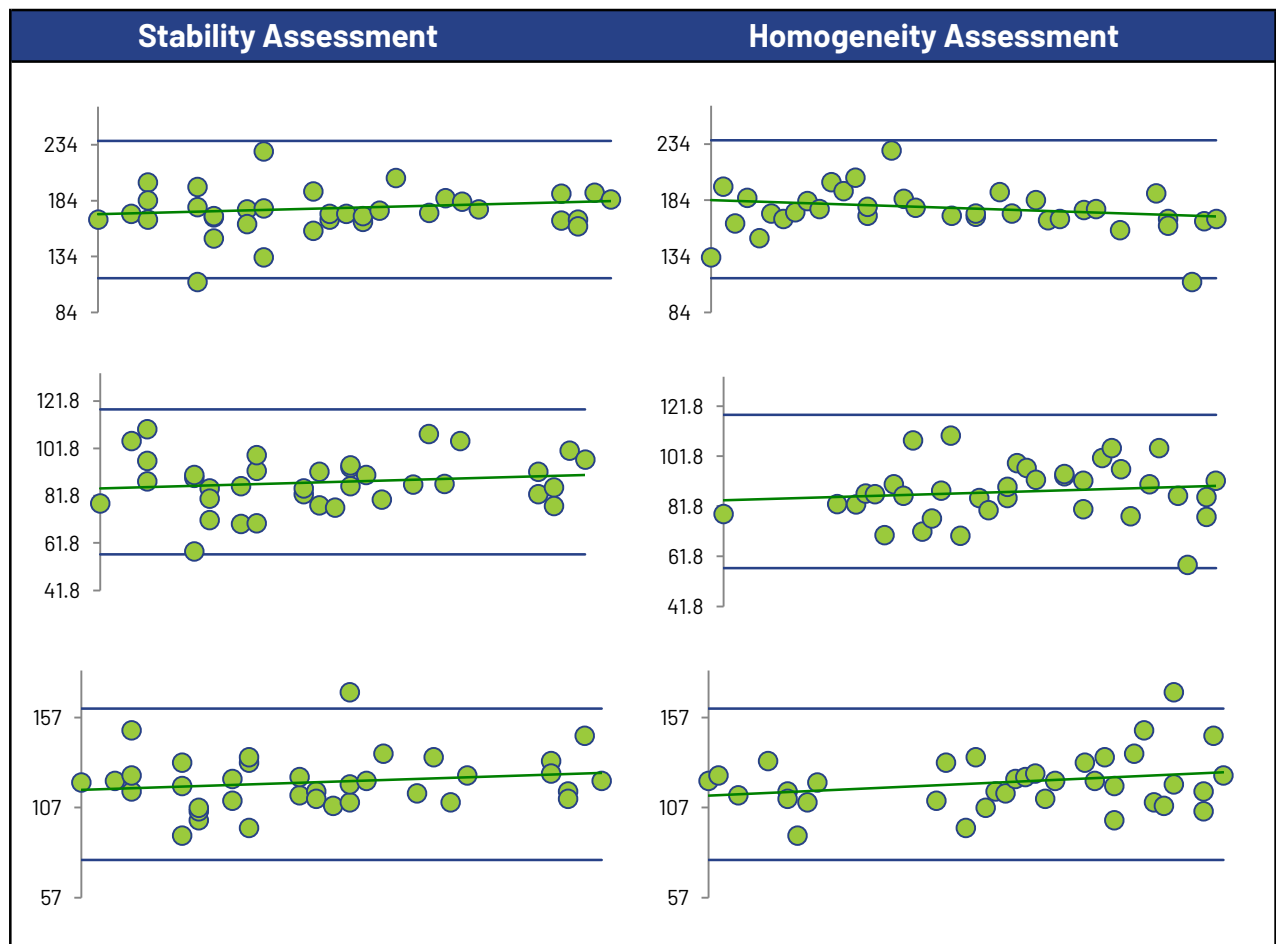
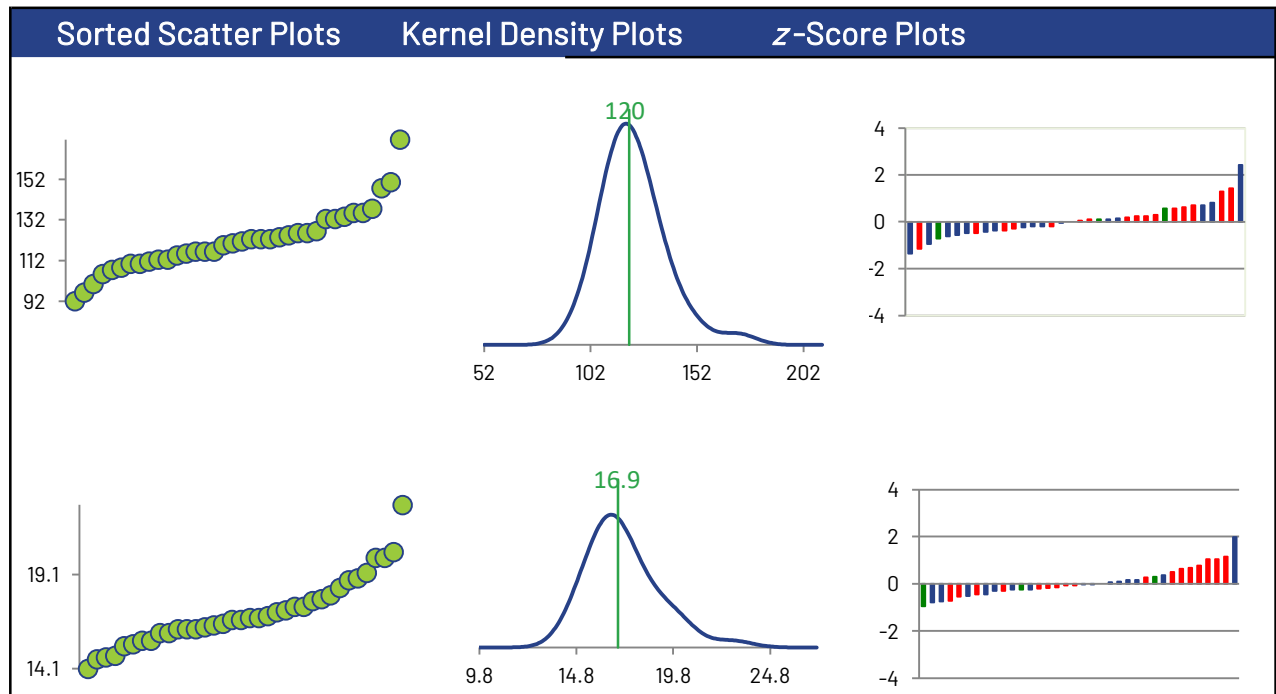
Method	C36-1	C36-2	C36-3	C36-4
GC/MS - HEADSPACE (Blue)	16	16	16	16
GC/MS - PURGE AND TRAP (Red)	17	17	17	17
GC/MS (Green)	3	3	3	3

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

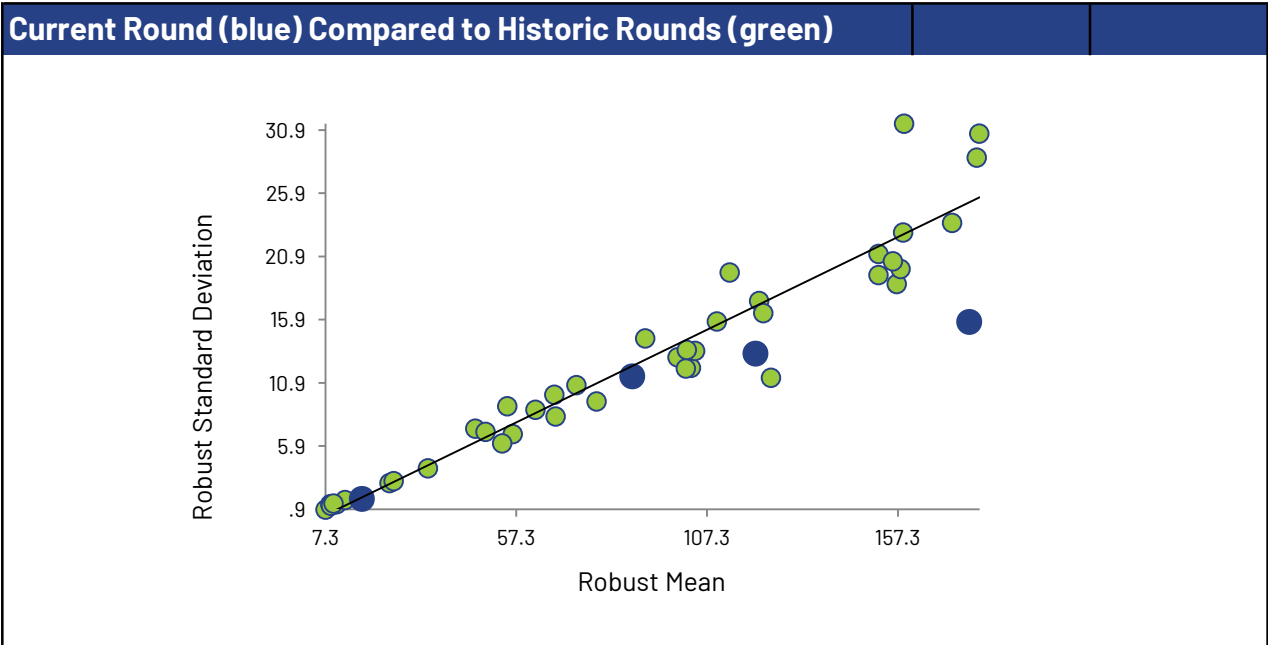
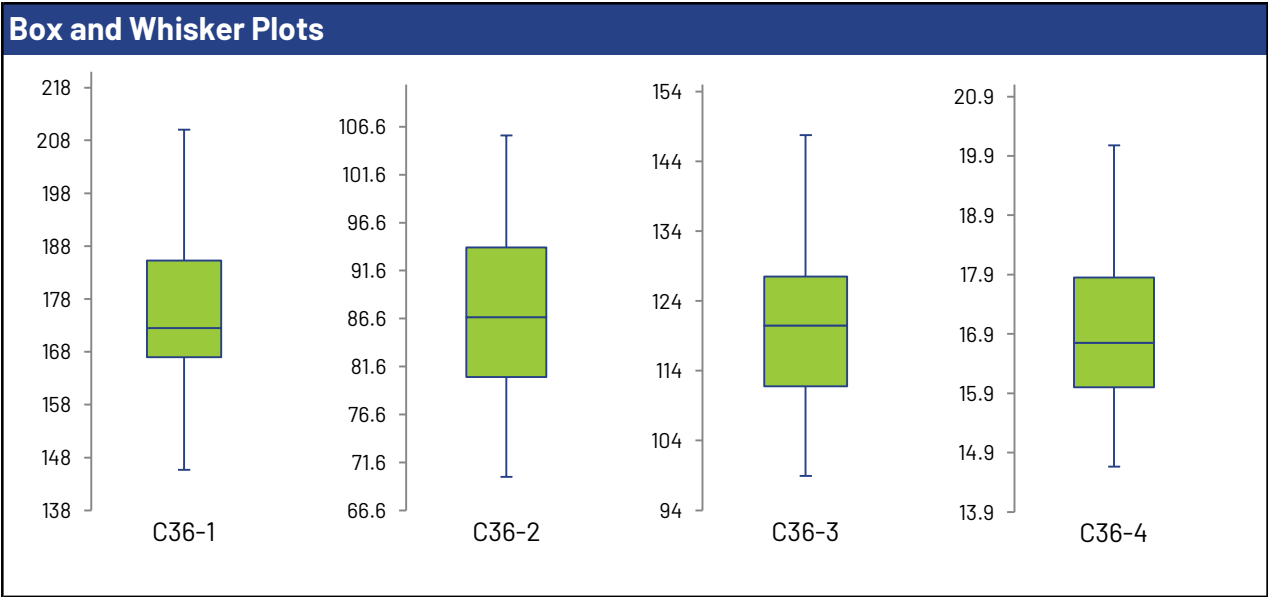
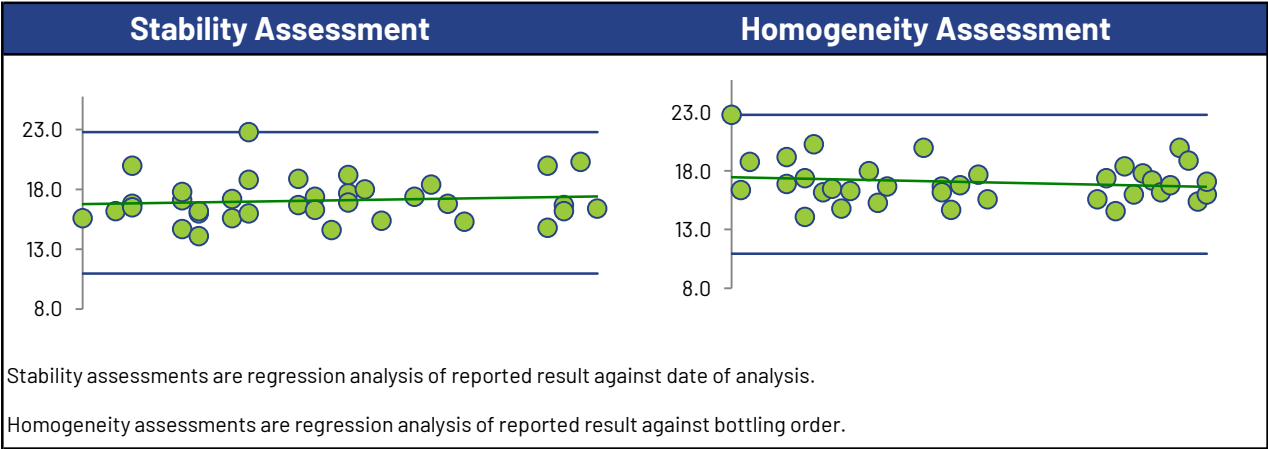


* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

Carbon tetrachloride



Carbon tetrachloride



Chlorobenzene

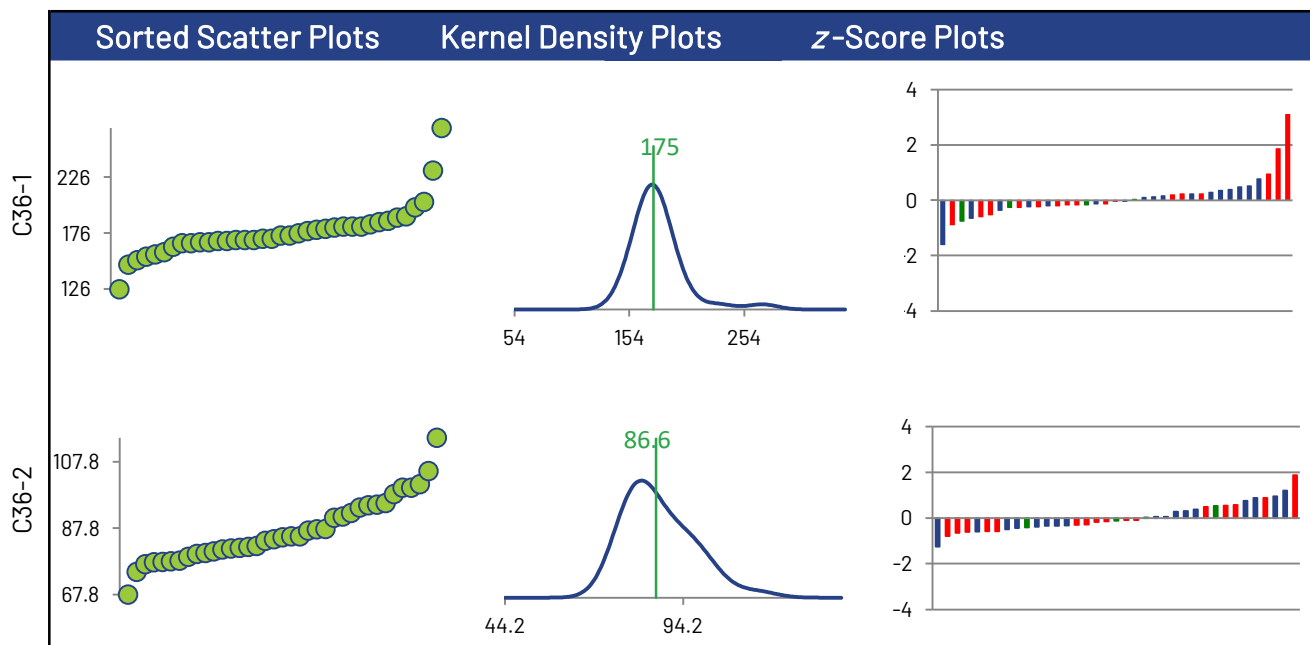
Summary Statistics

Statistic	C36-1	C36-2	C36-3	C36-4
No. of results used for summary statistics	37	37	37	37
Median µg/g	174	85.0	117	16.9
Robust Mean µg/g	175	86.6	119	16.9
Uncertainty of the Assigned Value µg/g	2.96	1.93	2.47	0.263
Robust Standard Deviation µg/g	14.4	9.41	12.0	1.28
Regression Standard Deviation µg/g	30.6	15.2	20.9	2.96
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) µg/g	30.6	15.2	20.9	2.96
Flagged Outliers	0	0	0	0
$ z > 3.0$	1	0	0	0
$2 < z < 3$	0	0	0	1
Failure Rate %*	2.7			

Methods Used

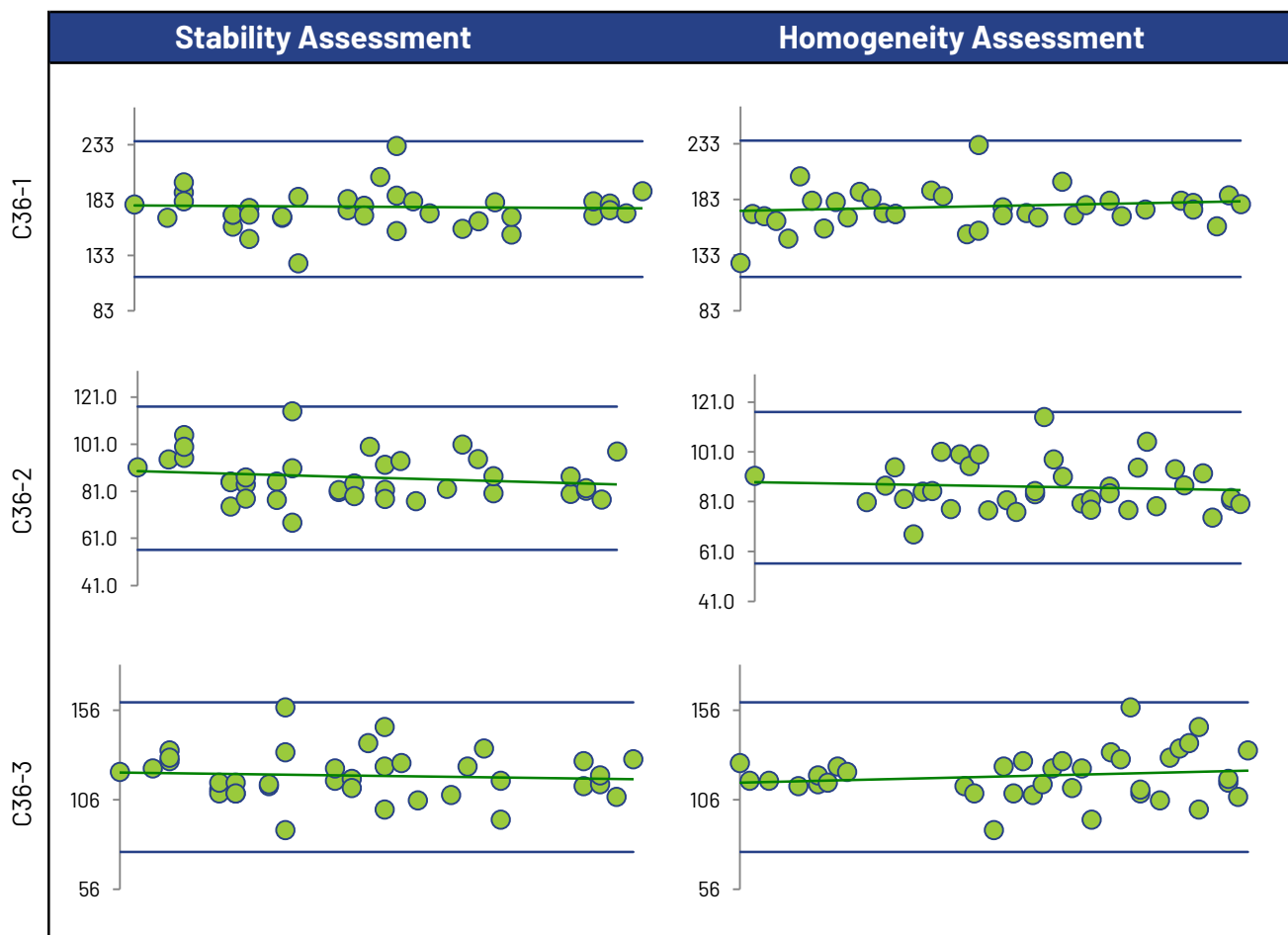
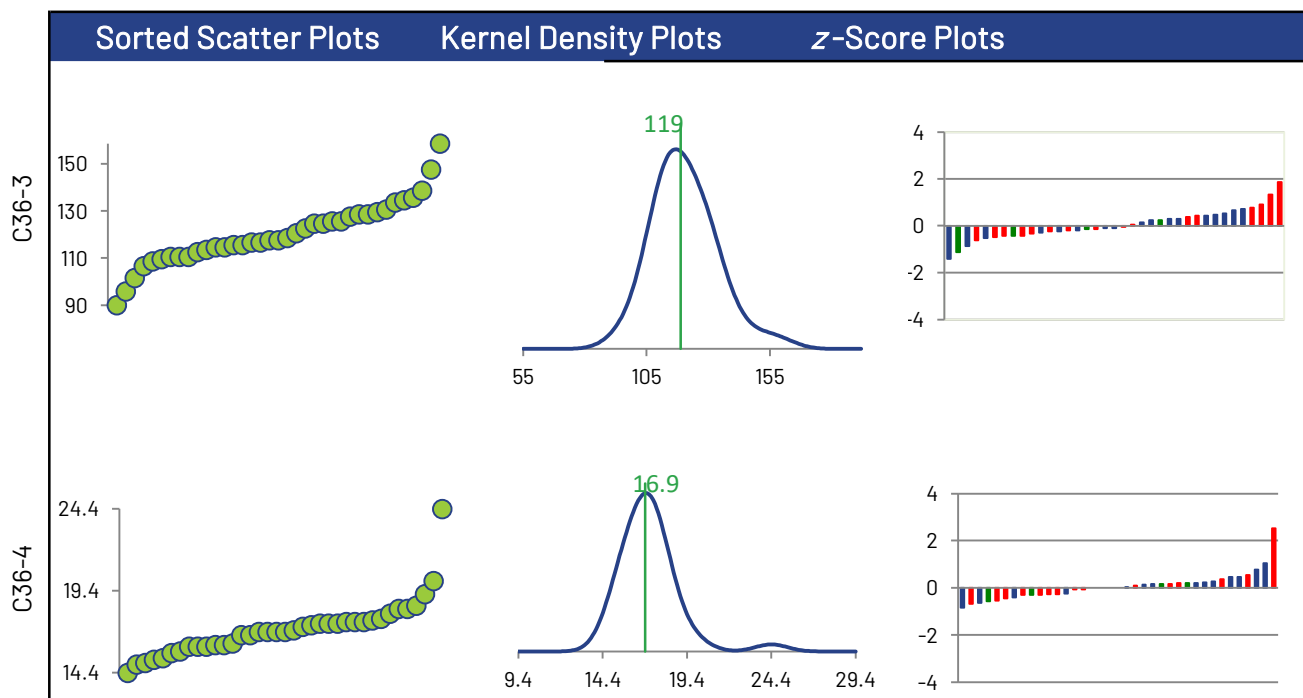
Method	C36-1	C36-2	C36-3	C36-4
GC/MS - PURGE AND TRAP (Blue)	17	17	17	17
GC/MS - HEADSPACE (Red)	16	16	16	16
GC/MS (Green)	4	4	4	4

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

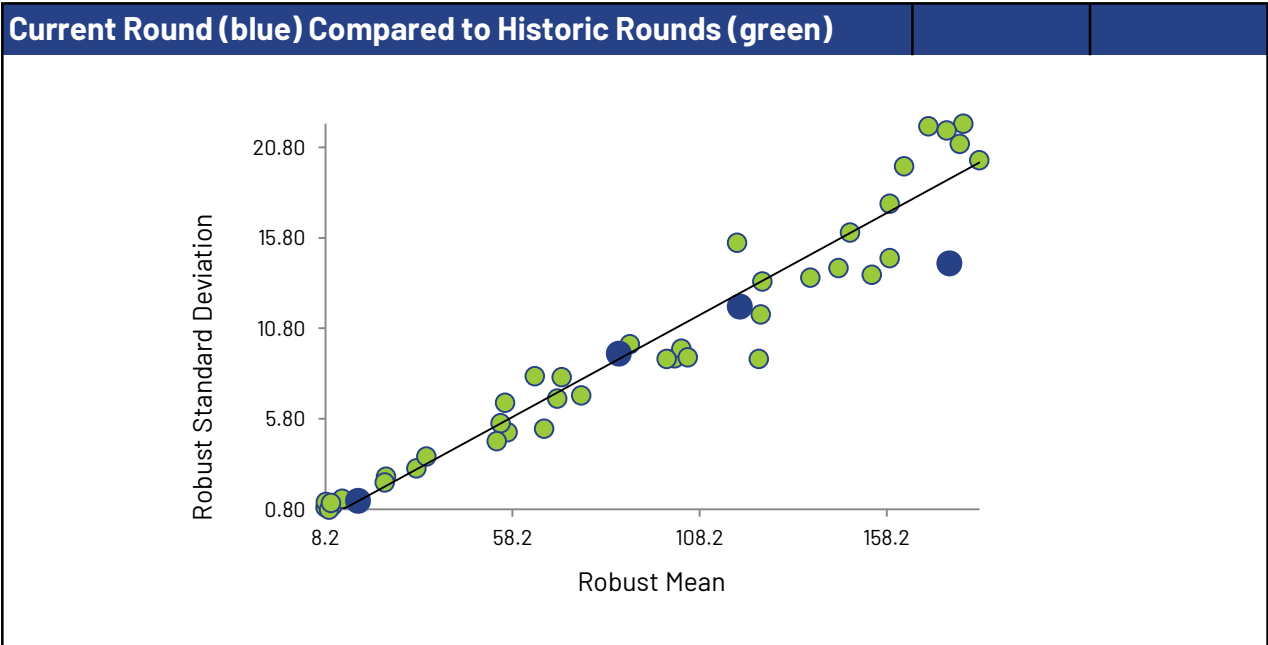
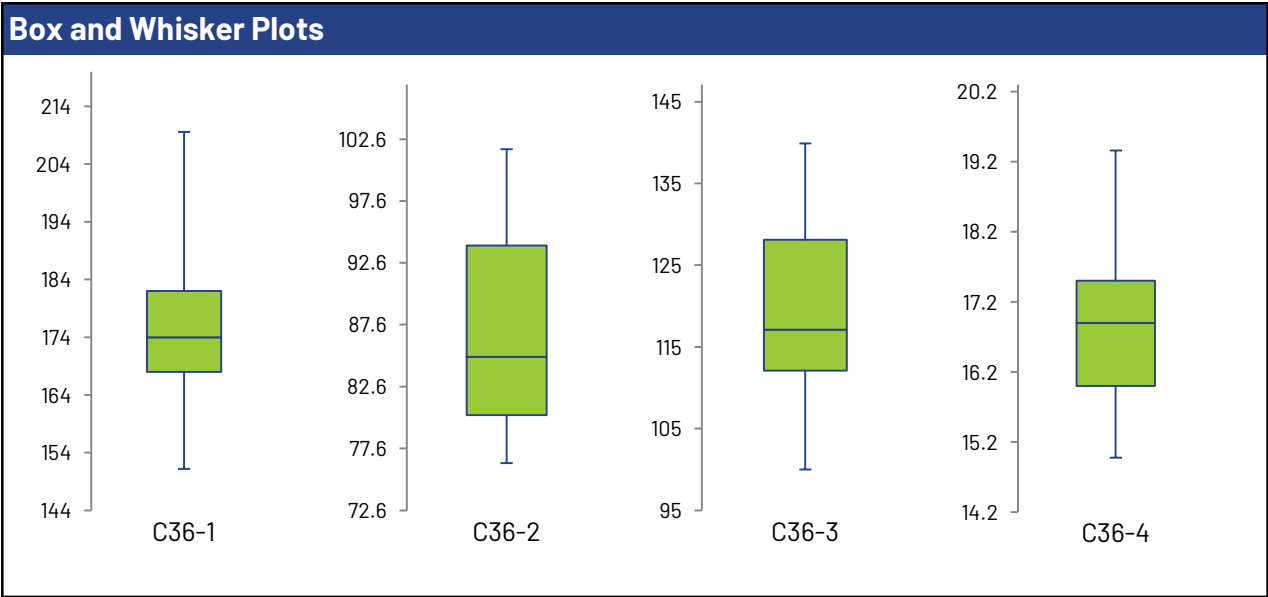
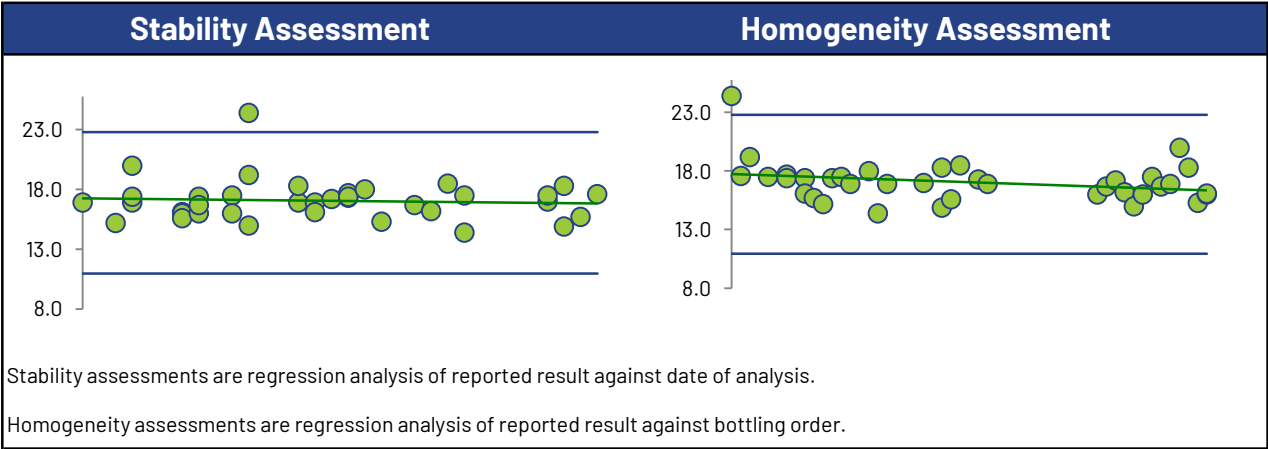


* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

Chlorobenzene



Chlorobenzene



Chlorodibromomethane

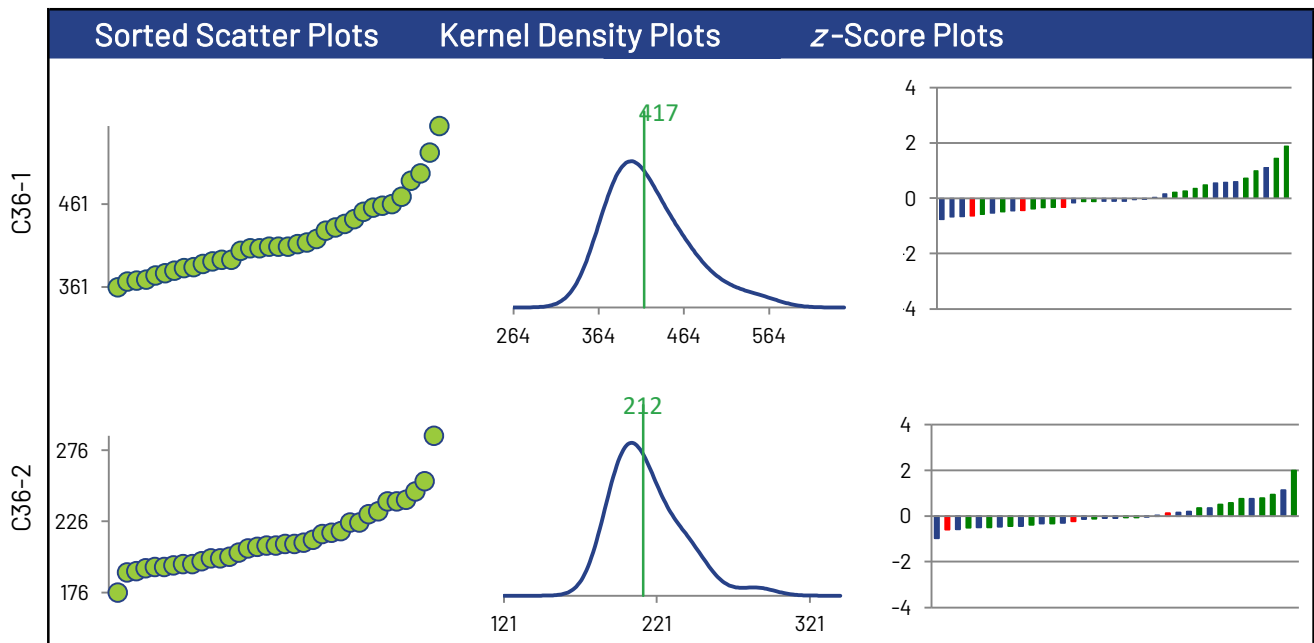
Summary Statistics

Statistic	C36-1	C36-2	C36-3	C36-4
No. of results used for summary statistics	35	35	35	35
Median µg/g	410	209	283	39.1
Robust Mean µg/g	417	212	289	39.8
Uncertainty of the Assigned Value µg/g	8.85	4.29	6.30	1.06
Robust Standard Deviation µg/g	41.9	20.3	29.8	5.04
Regression Standard Deviation µg/g	73.0	37.1	50.5	6.97
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) µg/g	73.0	37.1	50.5	6.97
Flagged Outliers	0	0	0	0
$ z > 3.0$	0	0	0	0
$2 < z < 3$	0	0	1	1
Failure Rate %*	2.9			

Methods Used

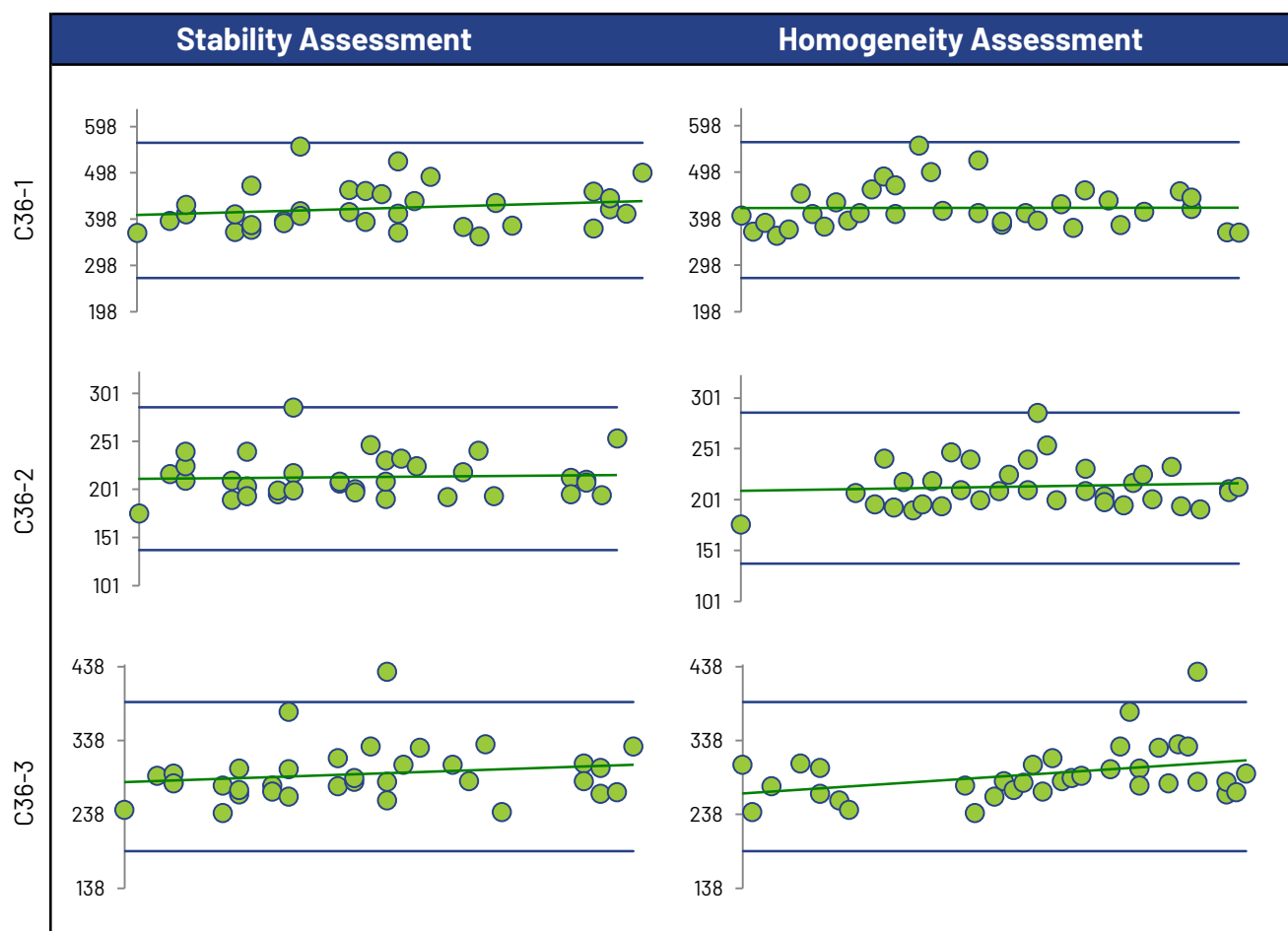
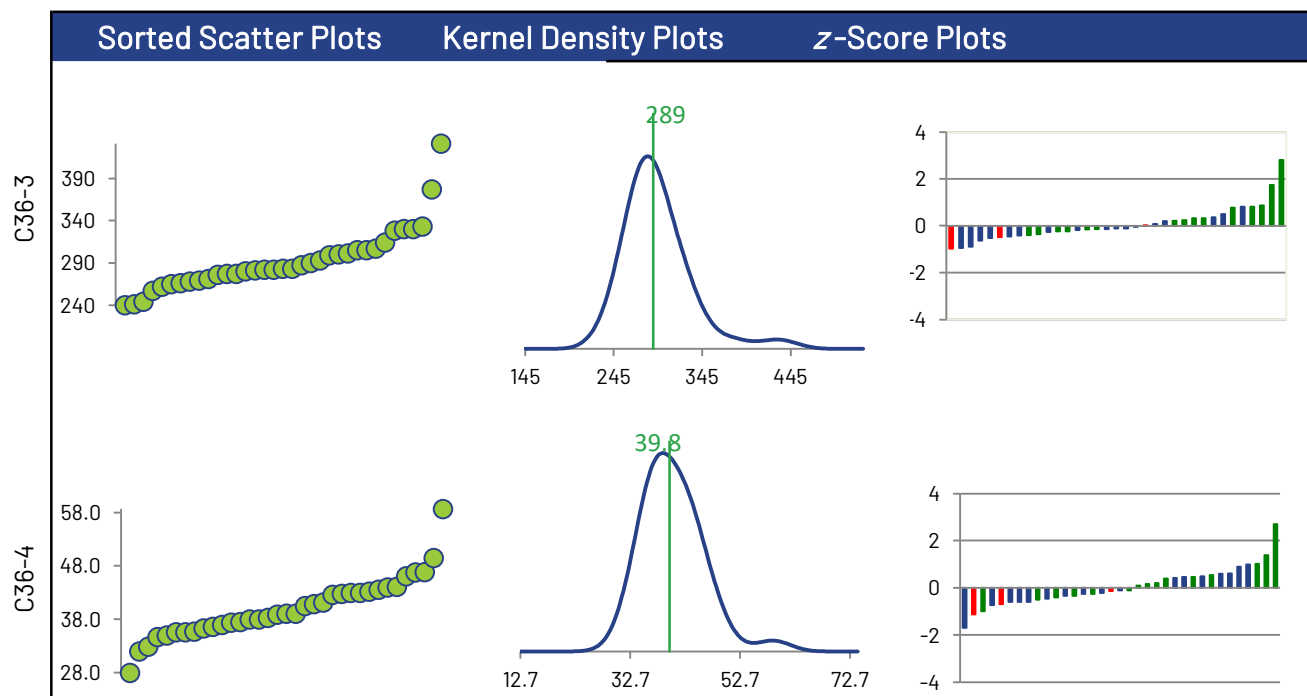
Method	C36-1	C36-2	C36-3	C36-4
GC/MS - PURGE AND TRAP (Blue)	17	17	17	17
GC/MS (Red)	3	3	3	3
GC/MS - HEADSPACE (Green)	15	15	15	15

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

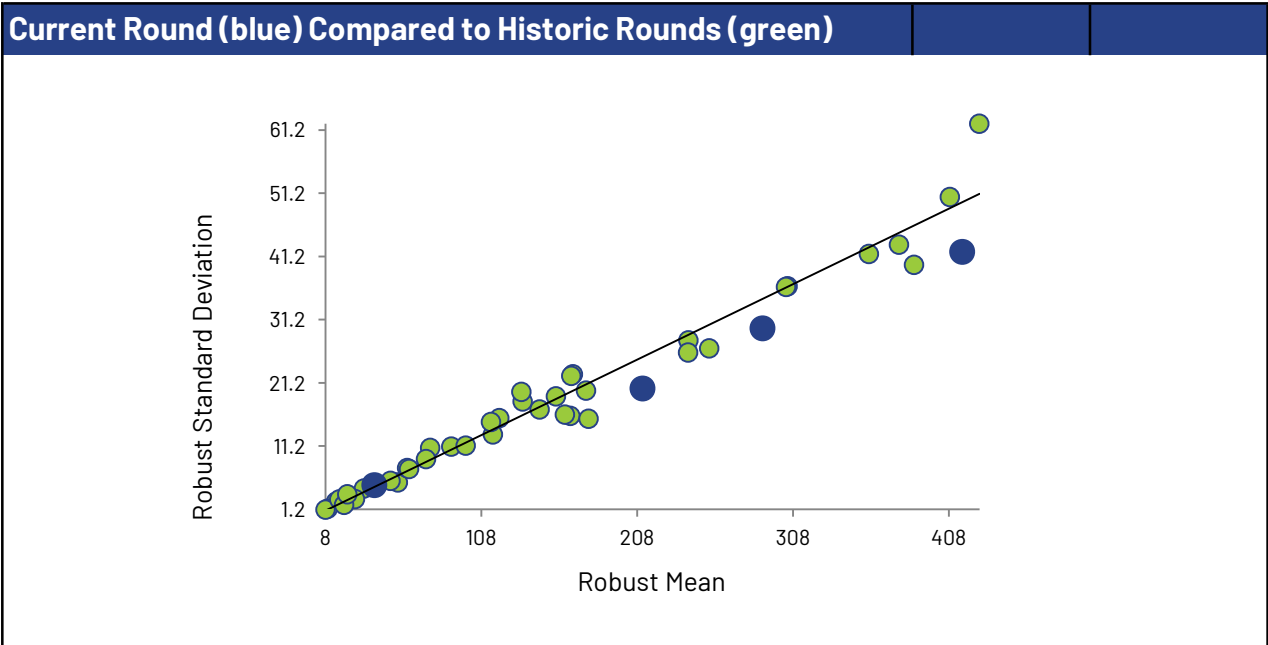
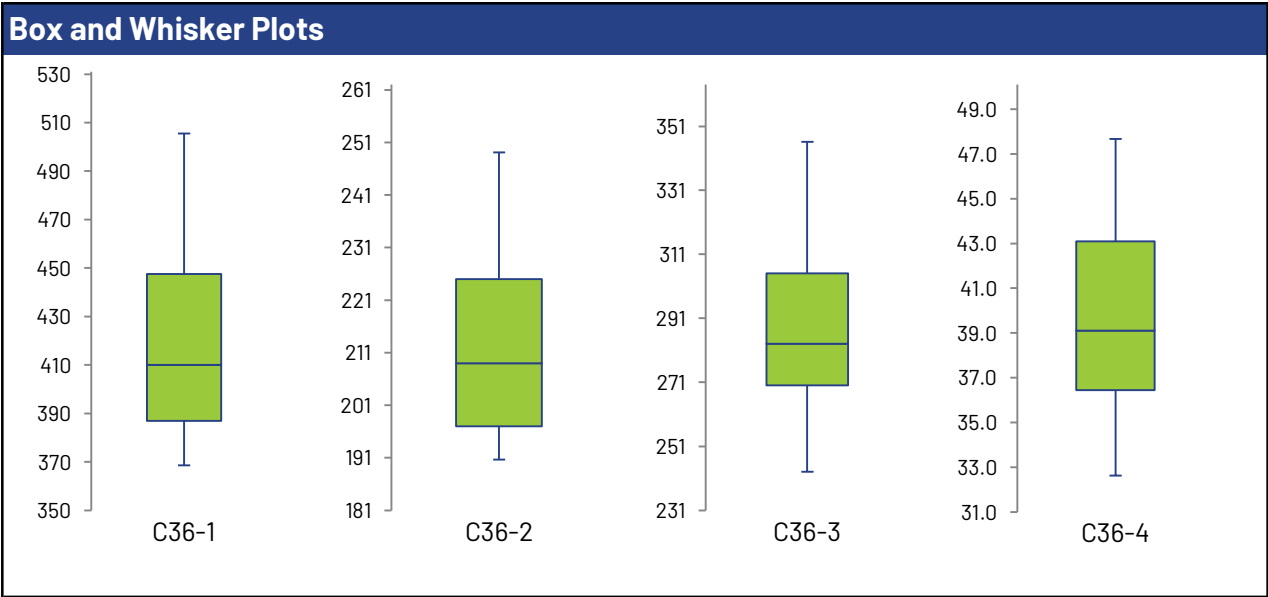
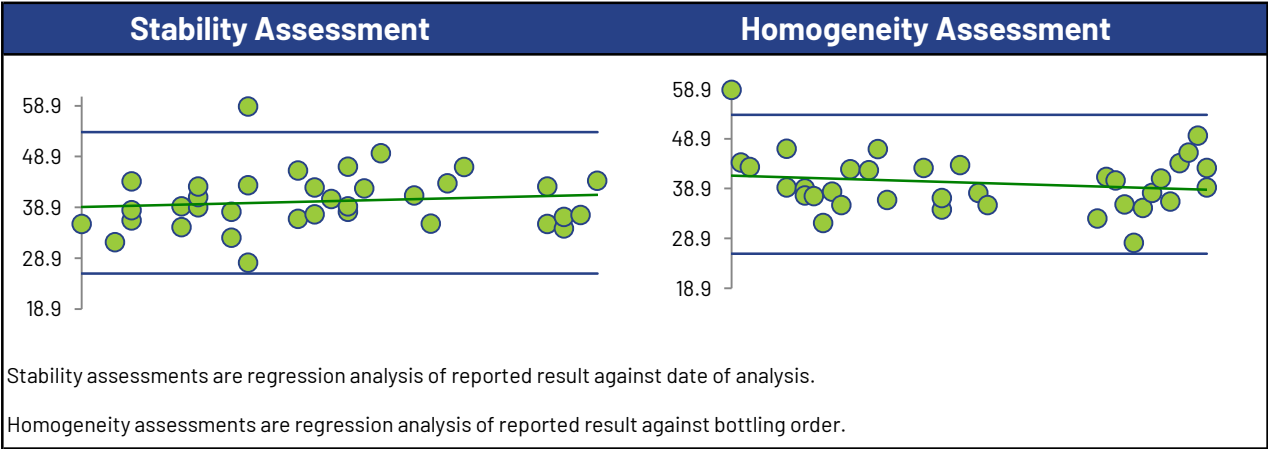


* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

Chlorodibromomethane



Chlorodibromomethane



Chloroform

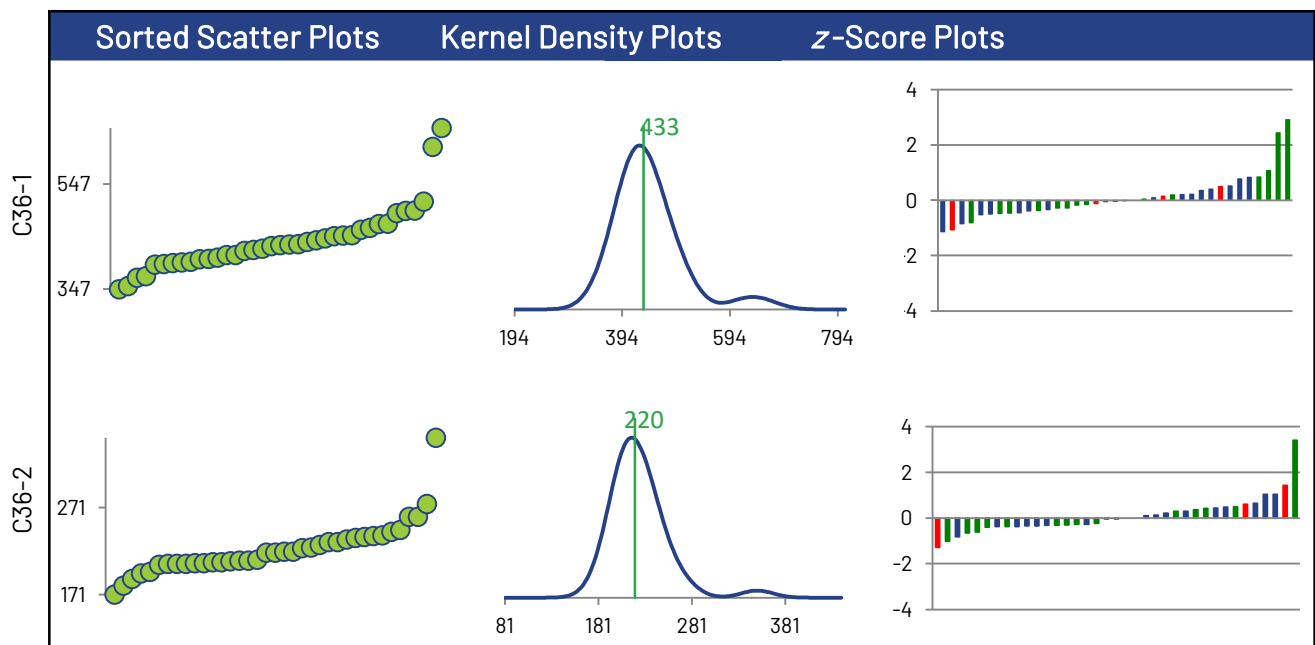
Summary Statistics

Statistic	C36-1	C36-2	C36-3	C36-4
No. of results used for summary statistics	37	37	37	37
Median µg/g	431	219	301	41.5
Robust Mean µg/g	433	220	303	42.5
Uncertainty of the Assigned Value µg/g	9.41	4.48	6.45	0.861
Robust Standard Deviation µg/g	45.8	21.8	31.4	4.19
Regression Standard Deviation µg/g	75.7	38.5	53.0	7.44
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) µg/g	75.7	38.5	53.0	7.44
Flagged Outliers	0	0	0	0
$ z > 3.0$	0	1	2	0
$2 < z < 3$	2	0	0	1
Failure Rate %*	2.7			

Methods Used

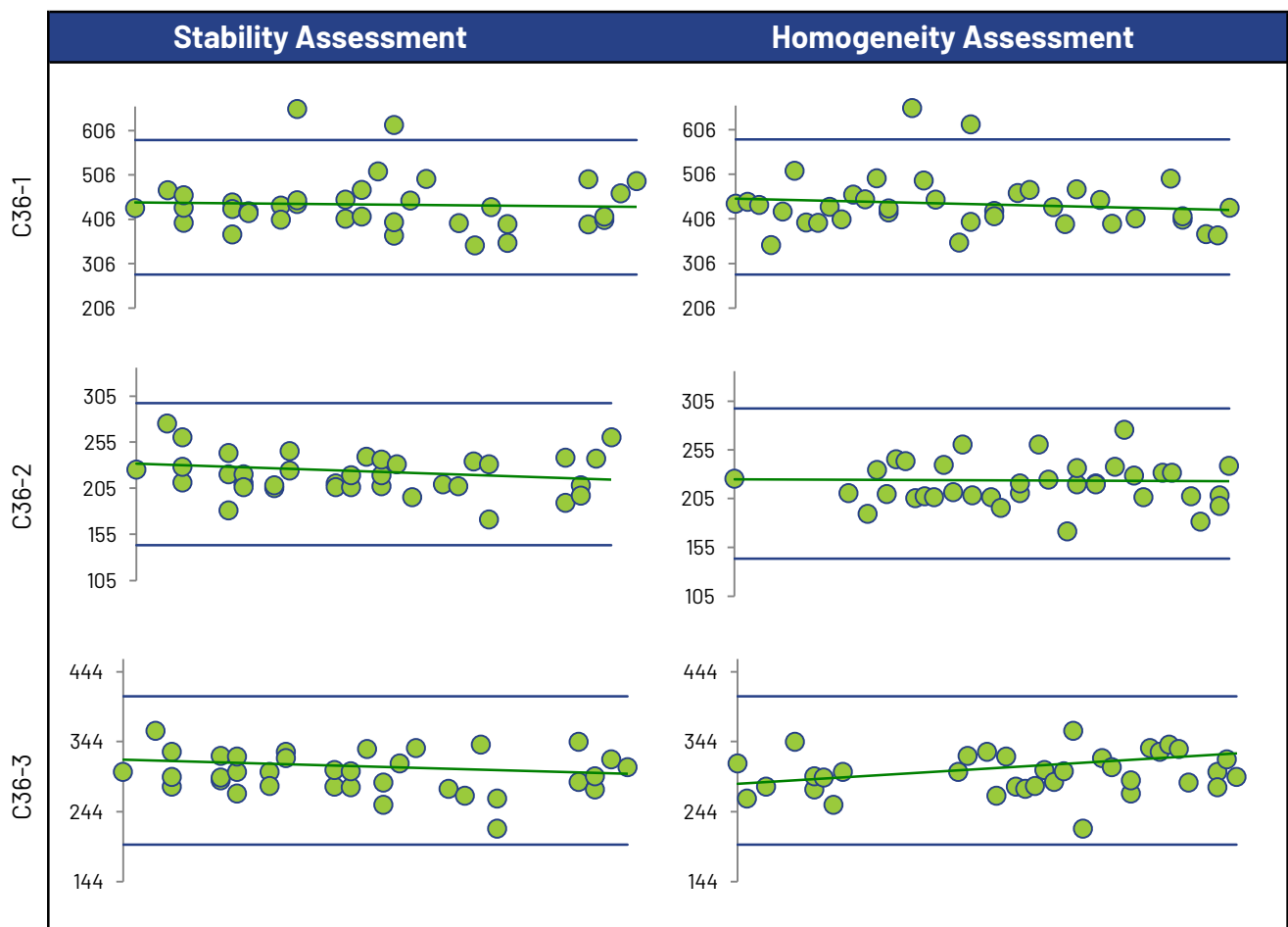
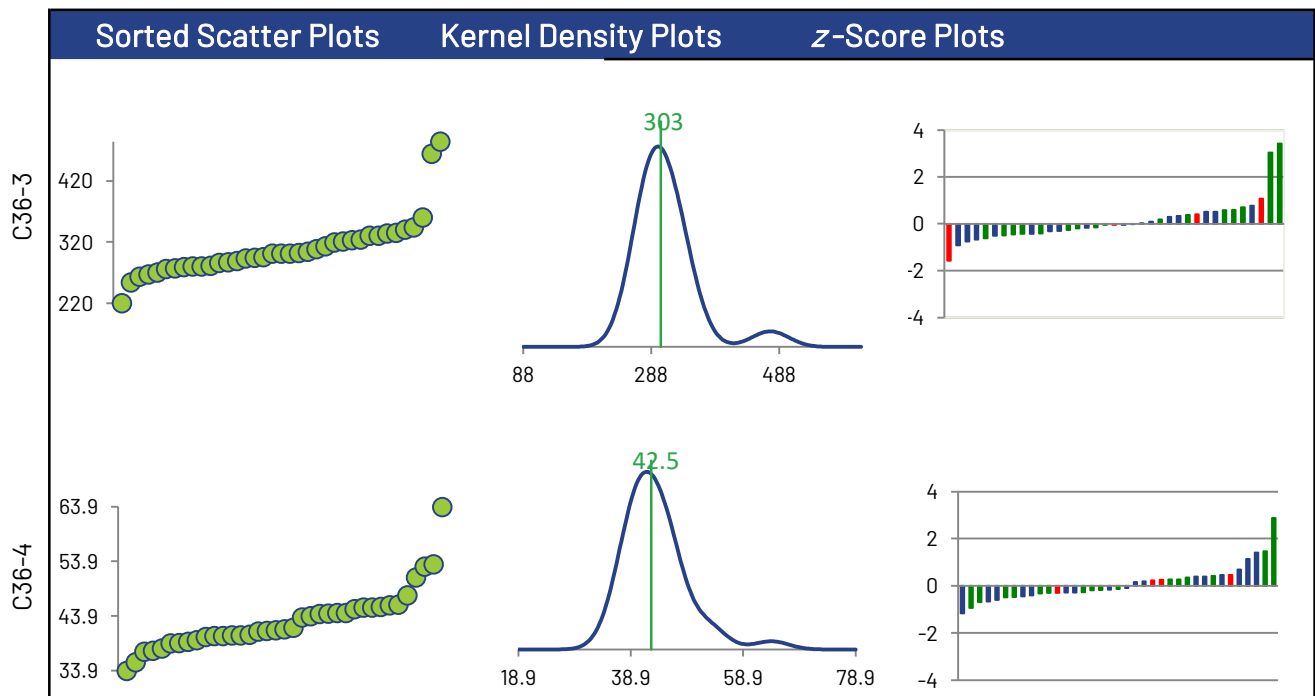
Method	C36-1	C36-2	C36-3	C36-4
GC/MS - PURGE AND TRAP (Blue)	17	17	17	17
GC/MS (Red)	4	4	4	4
GC/MS - HEADSPACE (Green)	16	16	16	16

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

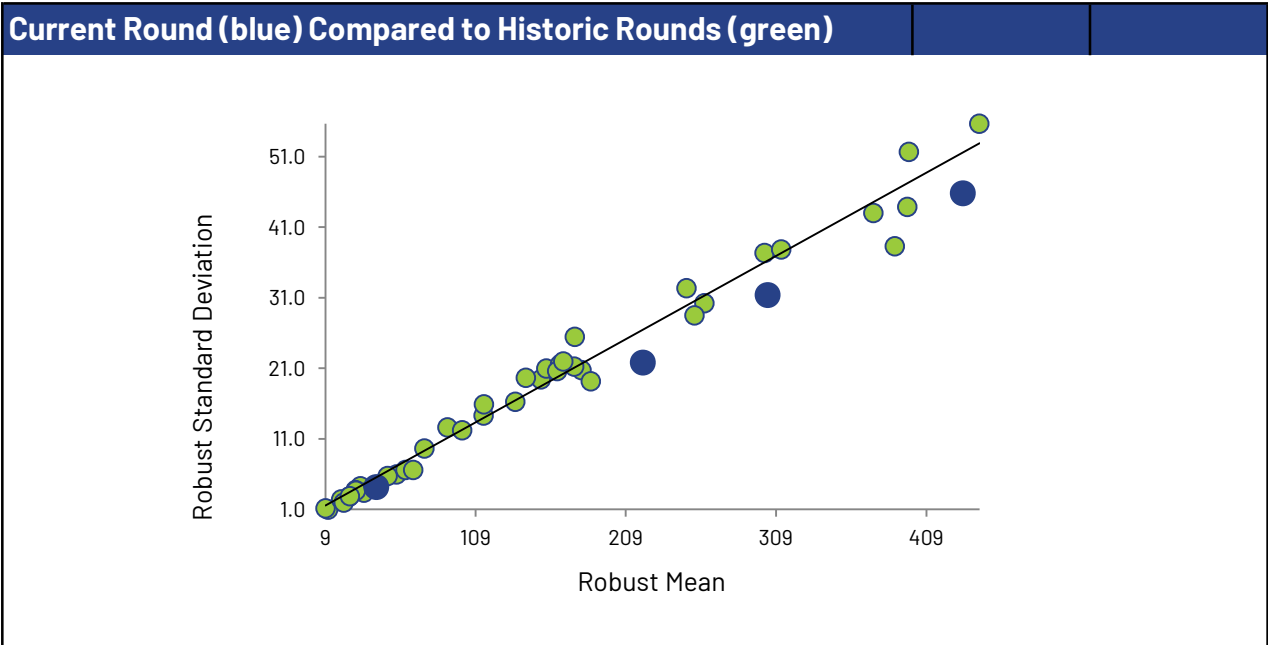
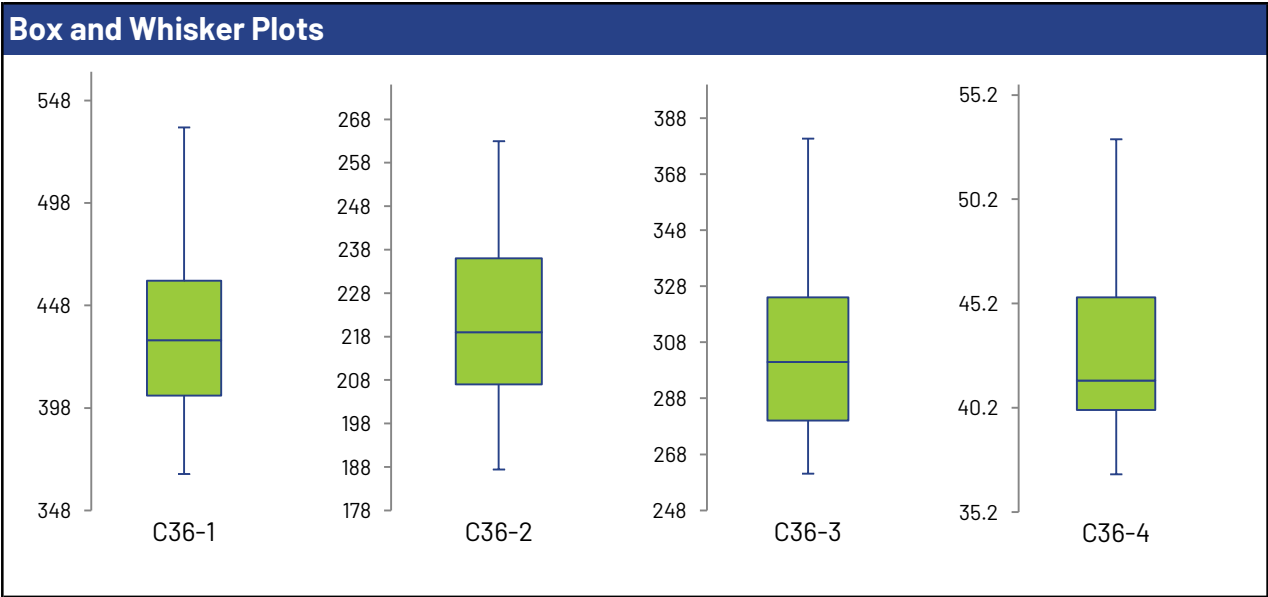
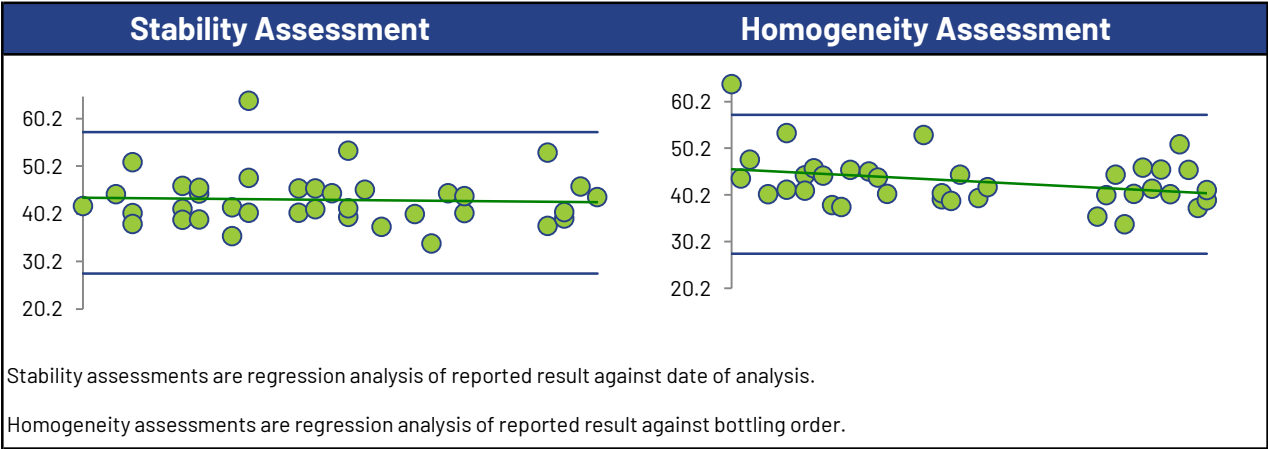


* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

Chloroform



Chloroform



cis-1,2-Dichloroethylene

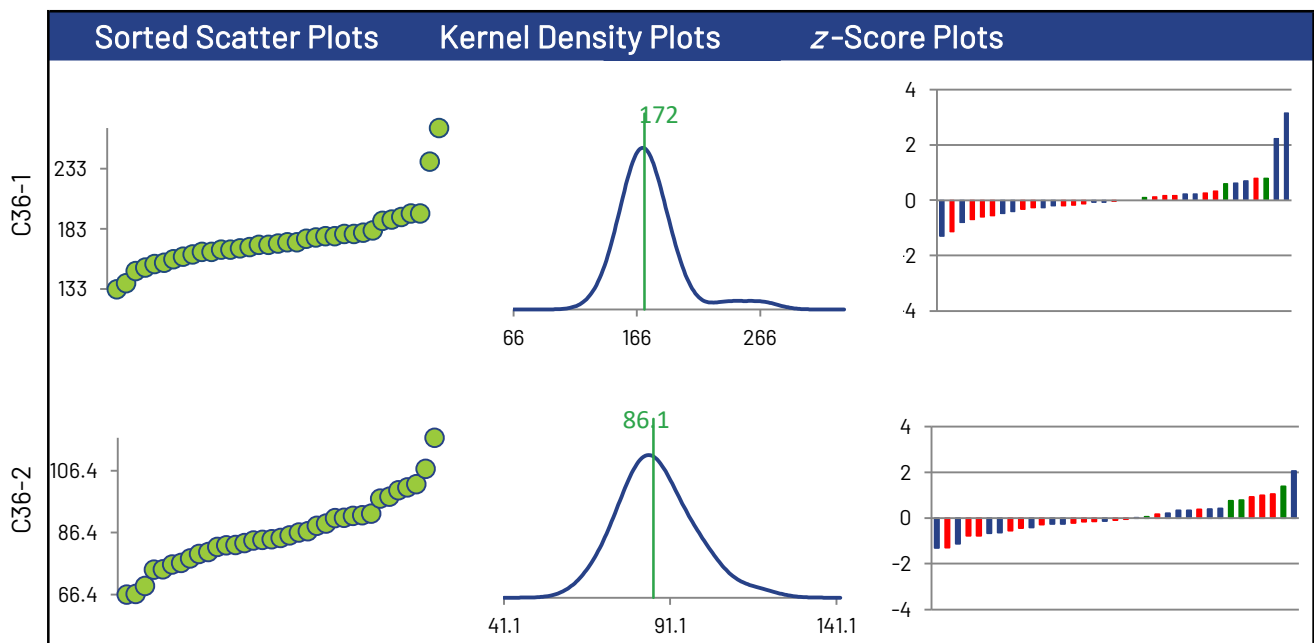
Summary Statistics

Statistic	C36-1	C36-2	C36-3	C36-4
No. of results used for summary statistics	35	35	35	35
Median µg/g	171	84.7	117	16.7
Robust Mean µg/g	172	86.1	119	16.7
Uncertainty of the Assigned Value µg/g	3.55	2.30	2.51	0.344
Robust Standard Deviation µg/g	16.8	10.9	11.9	1.63
Regression Standard Deviation µg/g	30.1	15.1	20.8	2.92
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) µg/g	30.1	15.1	20.8	2.92
Flagged Outliers	0	0	0	0
z >3.0	1	0	0	1
2< z <3	1	1	0	0
Failure Rate %*	2.9			

Methods Used

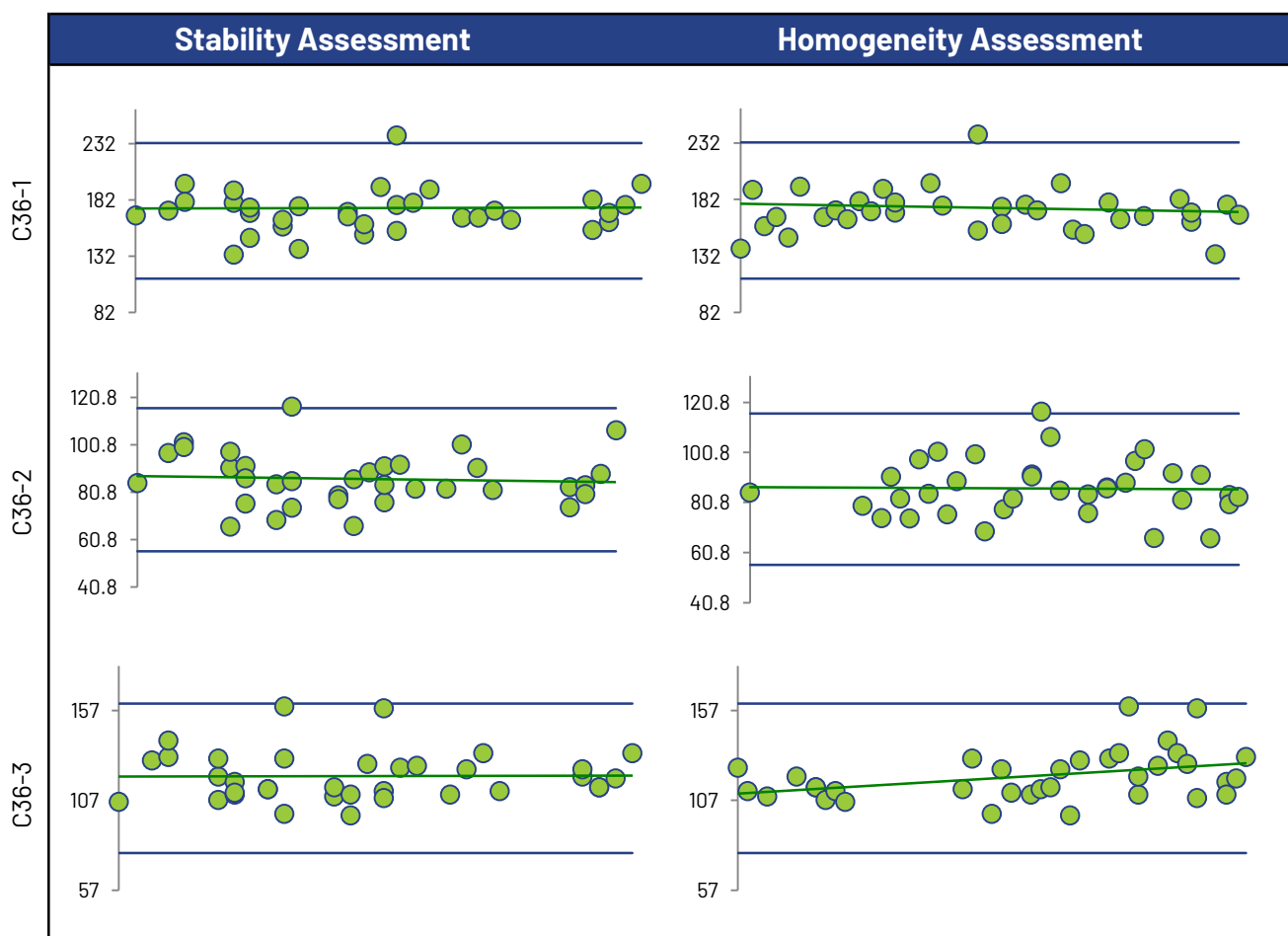
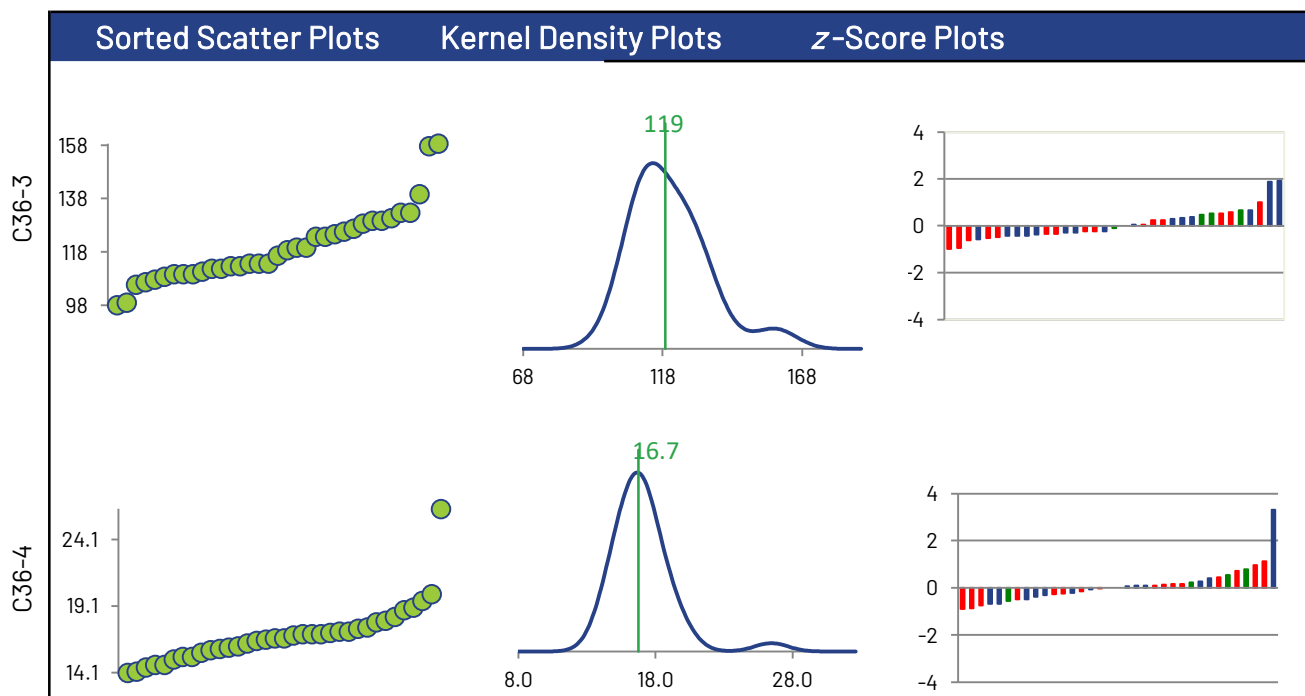
Method	C36-1	C36-2	C36-3	C36-4
GC/MS - HEADSPACE (Blue)	15	15	15	15
GC/MS - PURGE AND TRAP (Red)	16	16	16	16
GC/MS (Green)	4	4	4	4

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

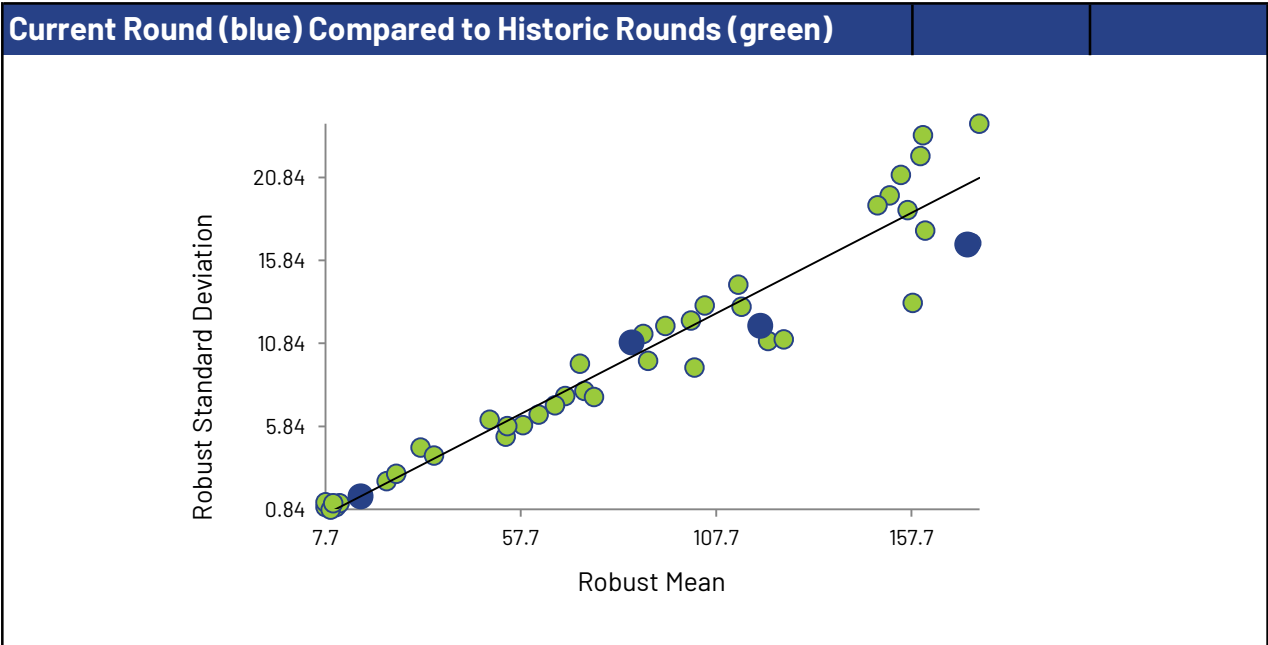
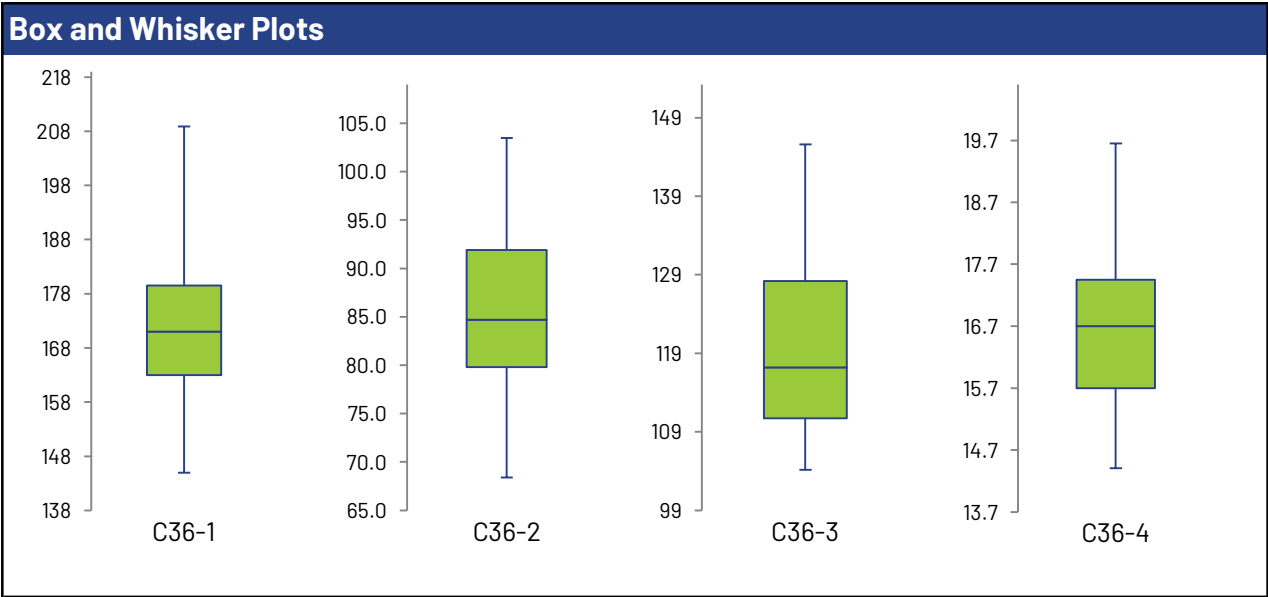
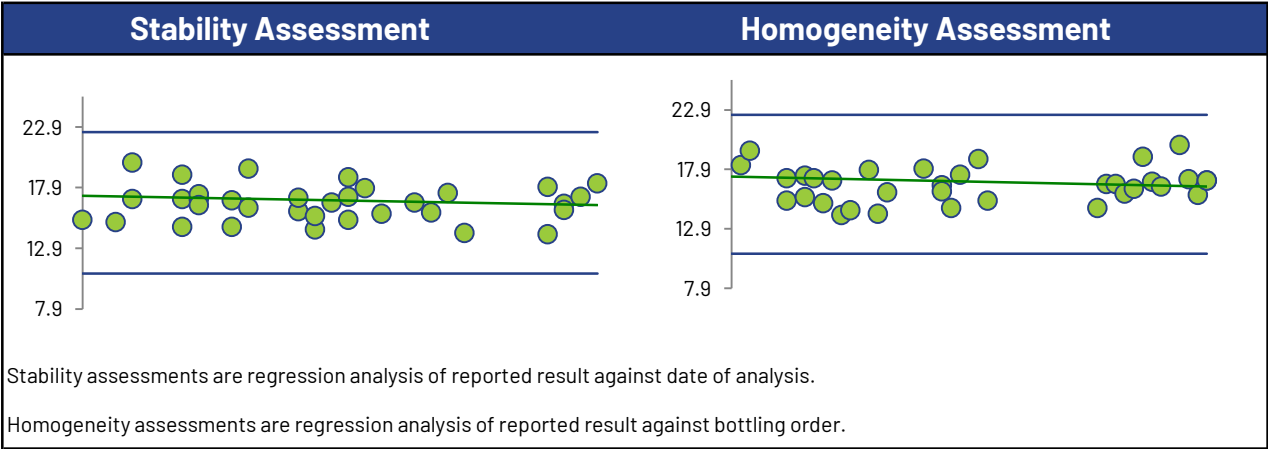


* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

cis-1,2-Dichloroethylene



cis-1,2-Dichloroethylene



cis-1,3-Dichloropropene

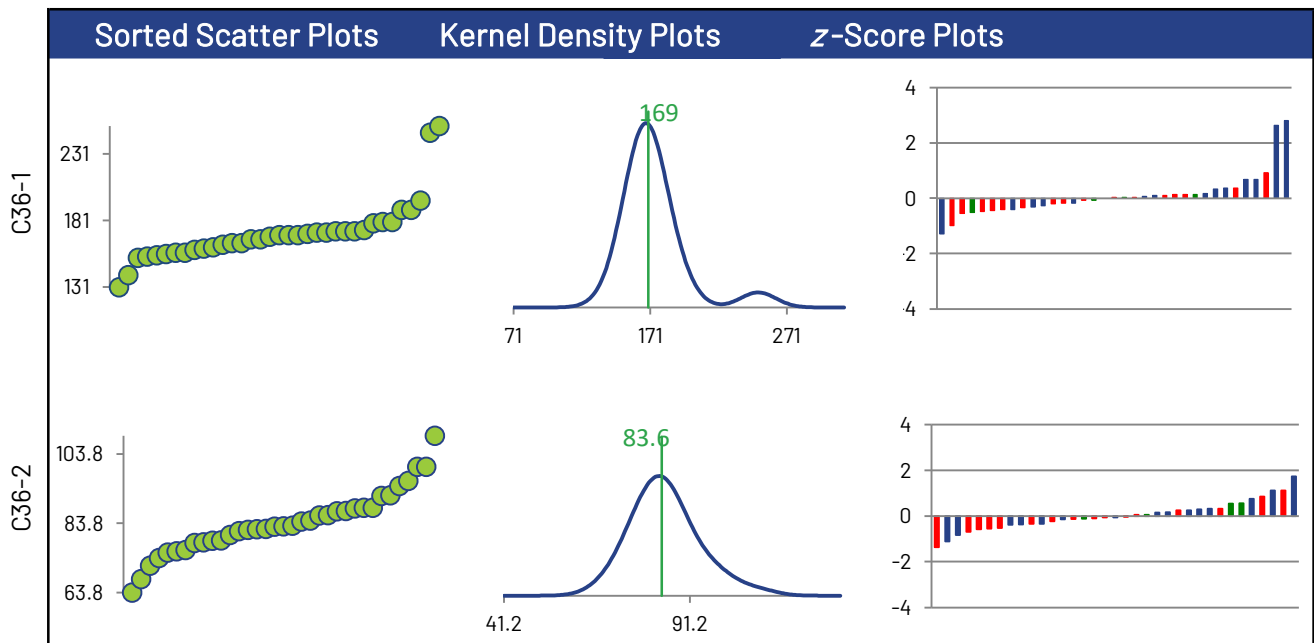
Summary Statistics

Statistic	C36-1	C36-2	C36-3	C36-4
No. of results used for summary statistics	35	35	35	35
Median µg/g	170	82.9	113	15.6
Robust Mean µg/g	169	83.6	115	15.7
Uncertainty of the Assigned Value µg/g	2.79	1.77	2.75	0.382
Robust Standard Deviation µg/g	13.2	8.39	13.0	1.81
Regression Standard Deviation µg/g	29.5	14.6	20.1	2.75
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) µg/g	29.5	14.6	20.1	2.75
Flagged Outliers	0	0	0	0
z >3.0	0	0	0	0
2< z <3	2	0	1	1
Failure Rate %*	2.9			

Methods Used

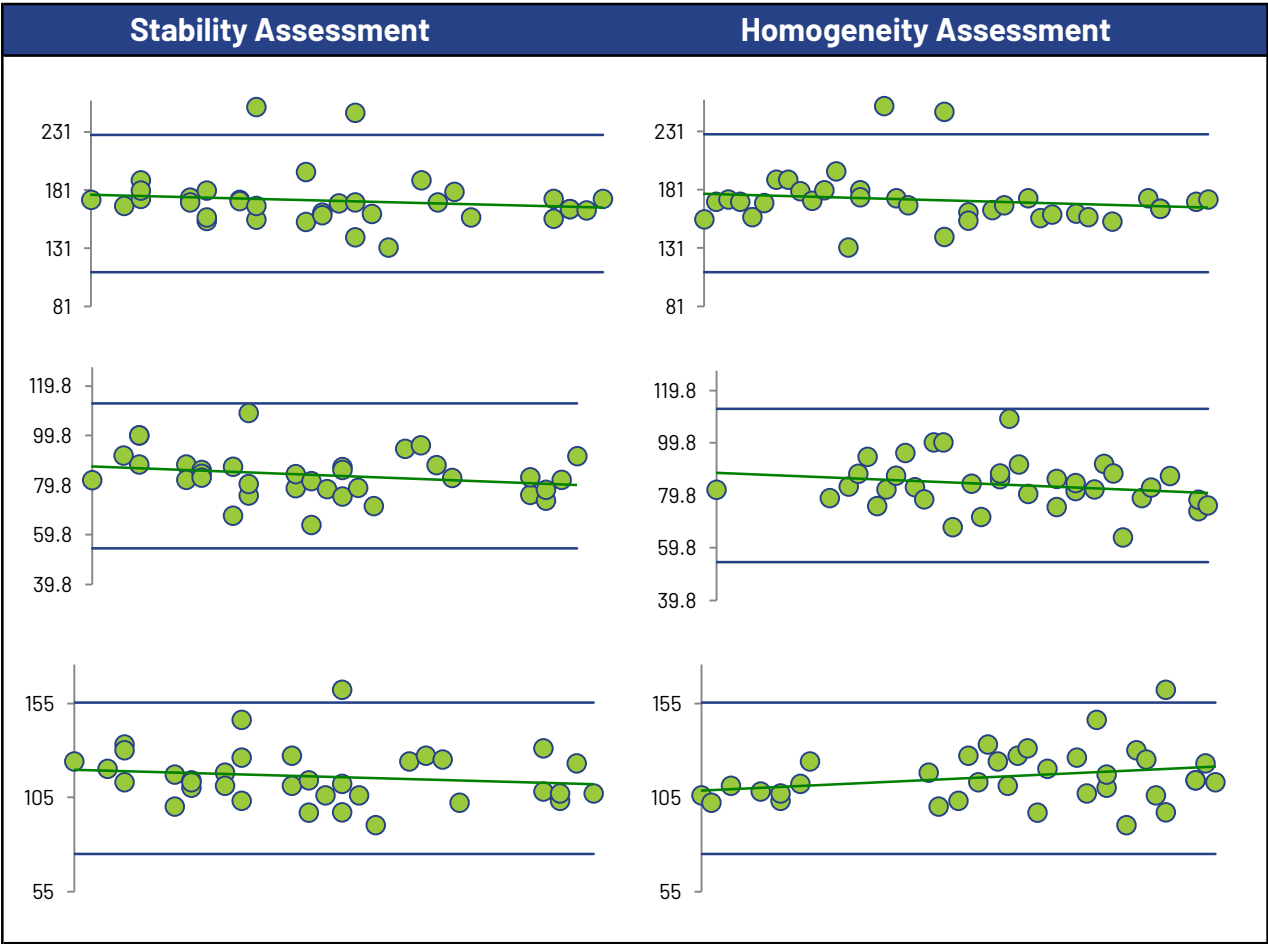
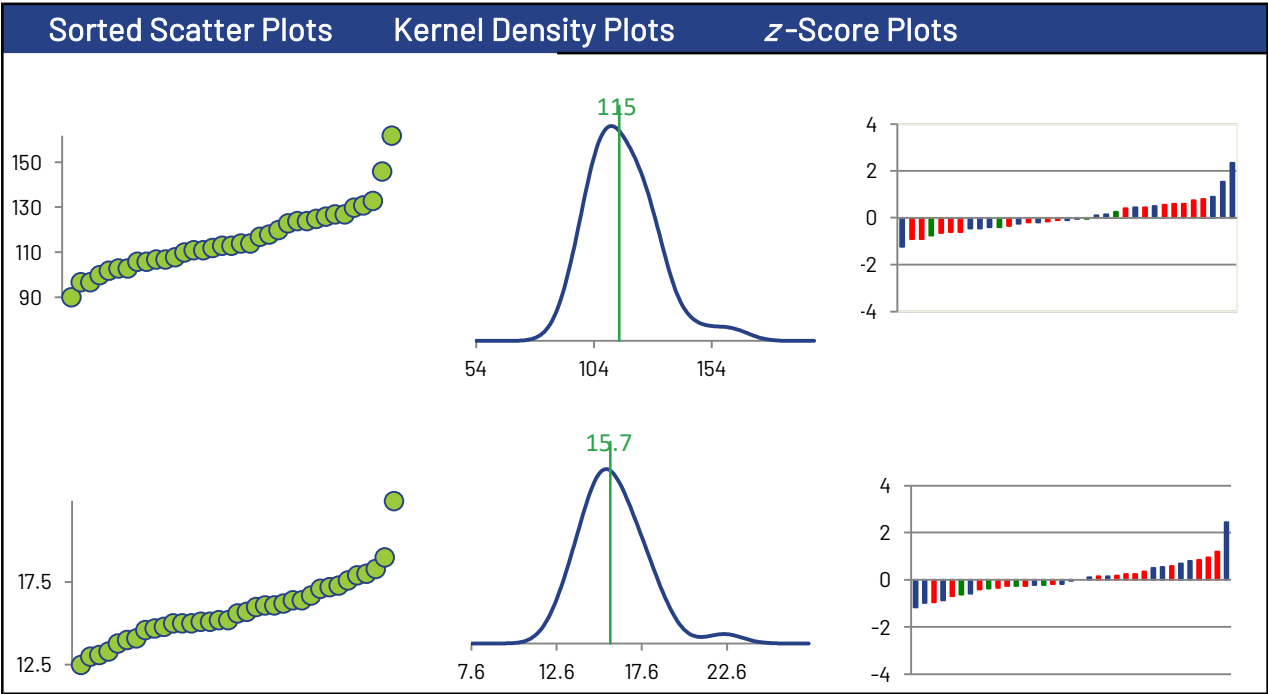
Method	C36-1	C36-2	C36-3	C36-4
GC/MS - HEADSPACE (Blue)	15	15	15	15
GC/MS - PURGE AND TRAP (Red)	16	16	16	16
GC/MS (Green)	4	4	4	4

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

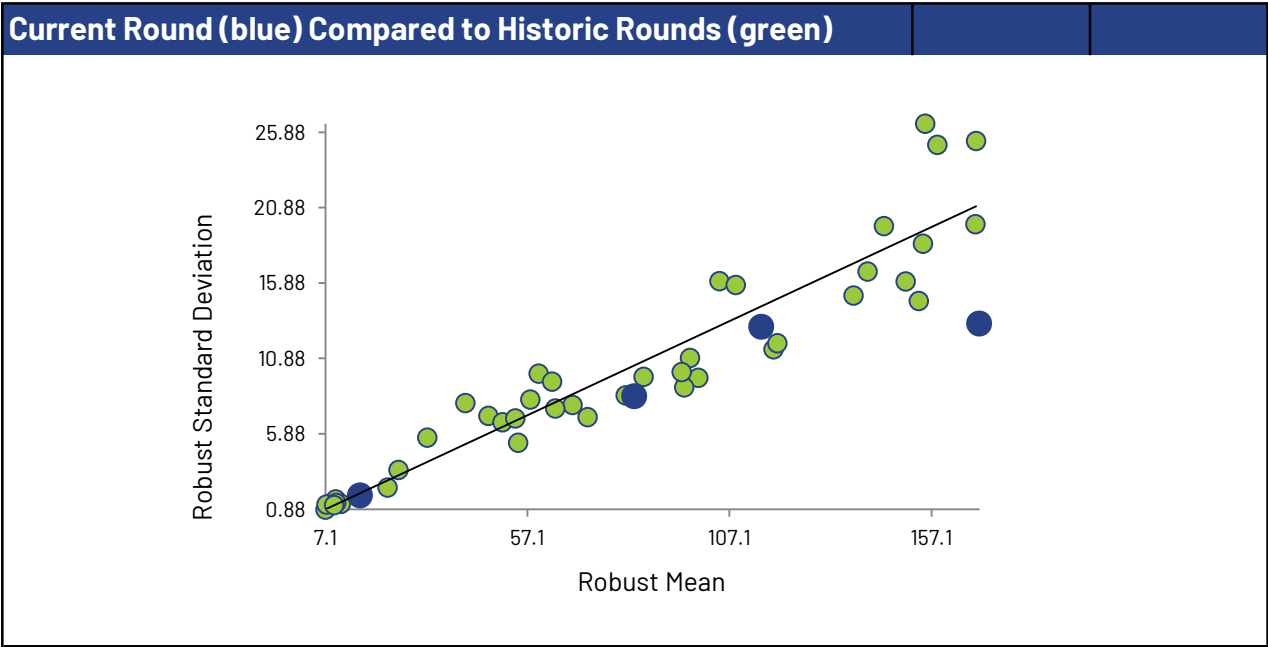
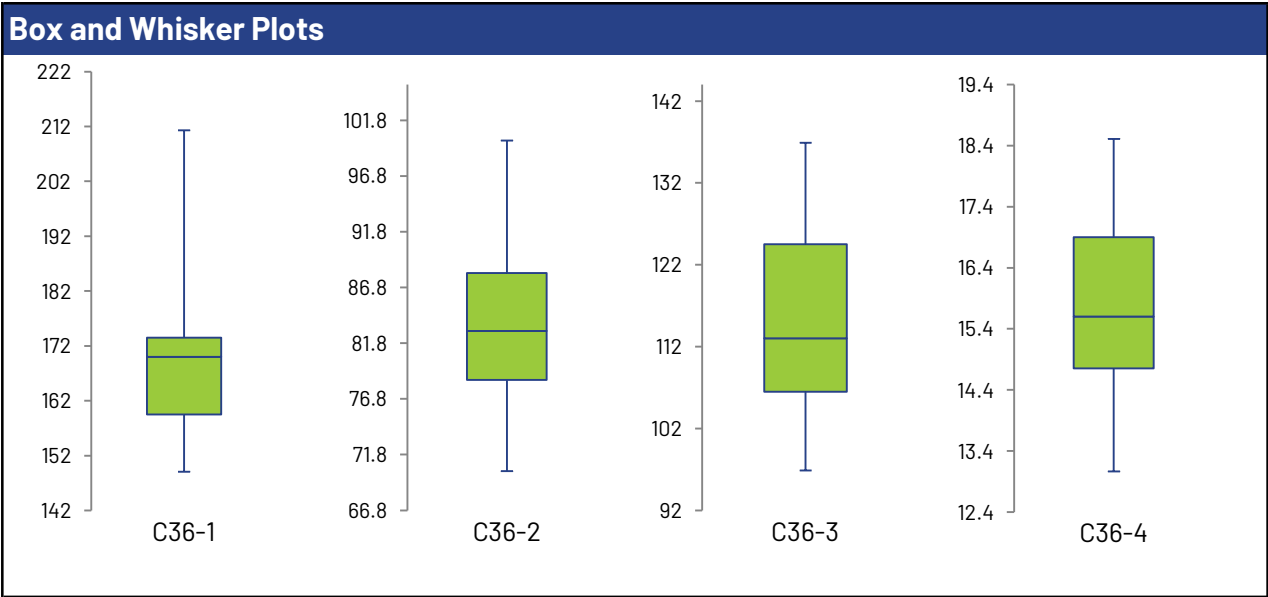
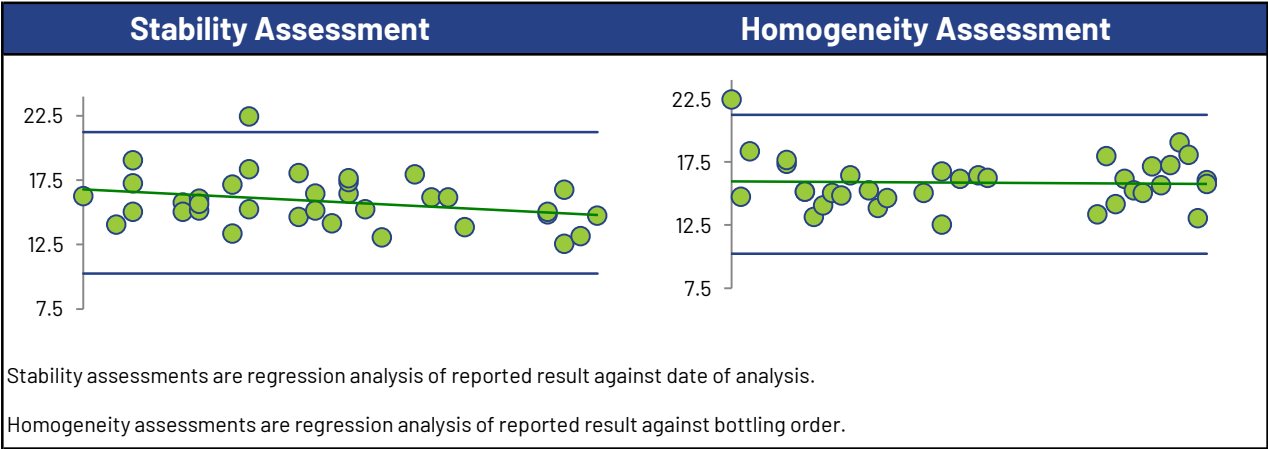


* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

cis-1,3-Dichloropropene



cis-1,3-Dichloropropene



Dichloromethane

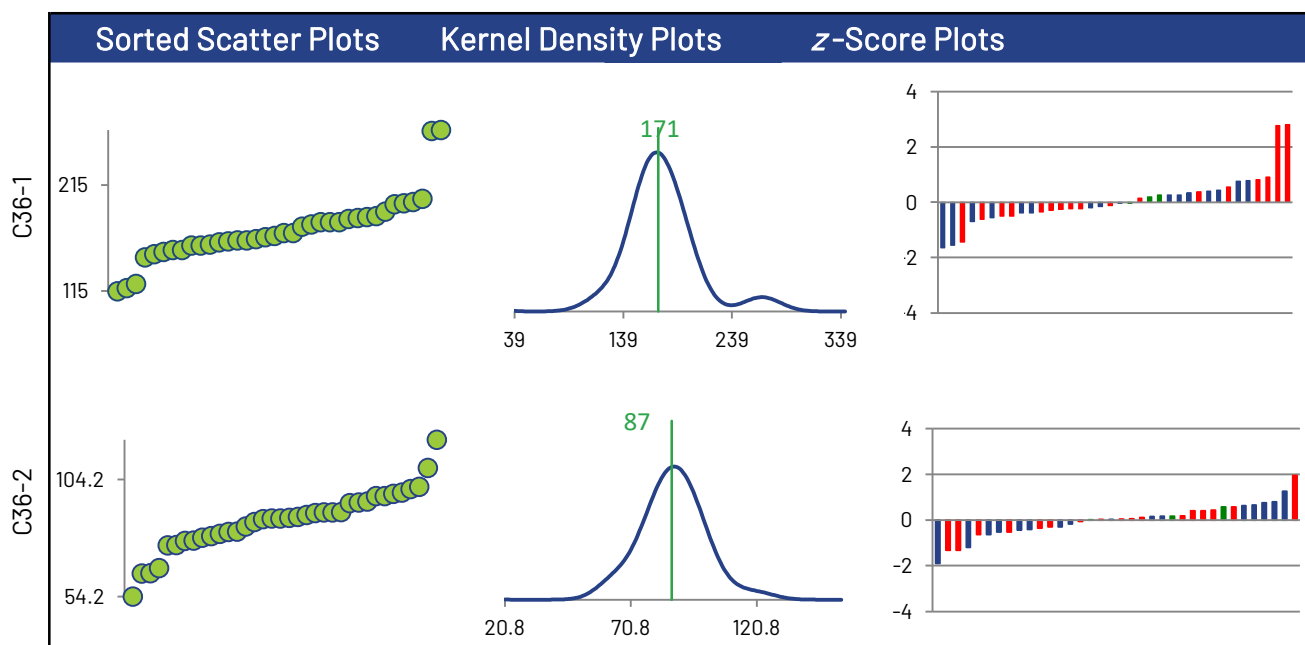
Summary Statistics

Statistic	C36-1	C36-2	C36-3	C36-4
No. of results used for summary statistics	36	36	36	35
Median µg/g	169	87.6	120	17.9
Robust Mean µg/g	171	87.0	121	17.8
Uncertainty of the Assigned Value µg/g	4.48	2.27	3.13	0.518
Robust Standard Deviation µg/g	21.5	10.9	15.0	2.45
Regression Standard Deviation µg/g	34.2	17.4	24.2	3.56
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) µg/g	34.2	17.4	24.2	3.56
Flagged Outliers	0	0	0	1
$ z > 3.0$	0	0	0	1
$2 < z < 3$	2	0	2	2
Failure Rate %*	2.8			

Methods Used

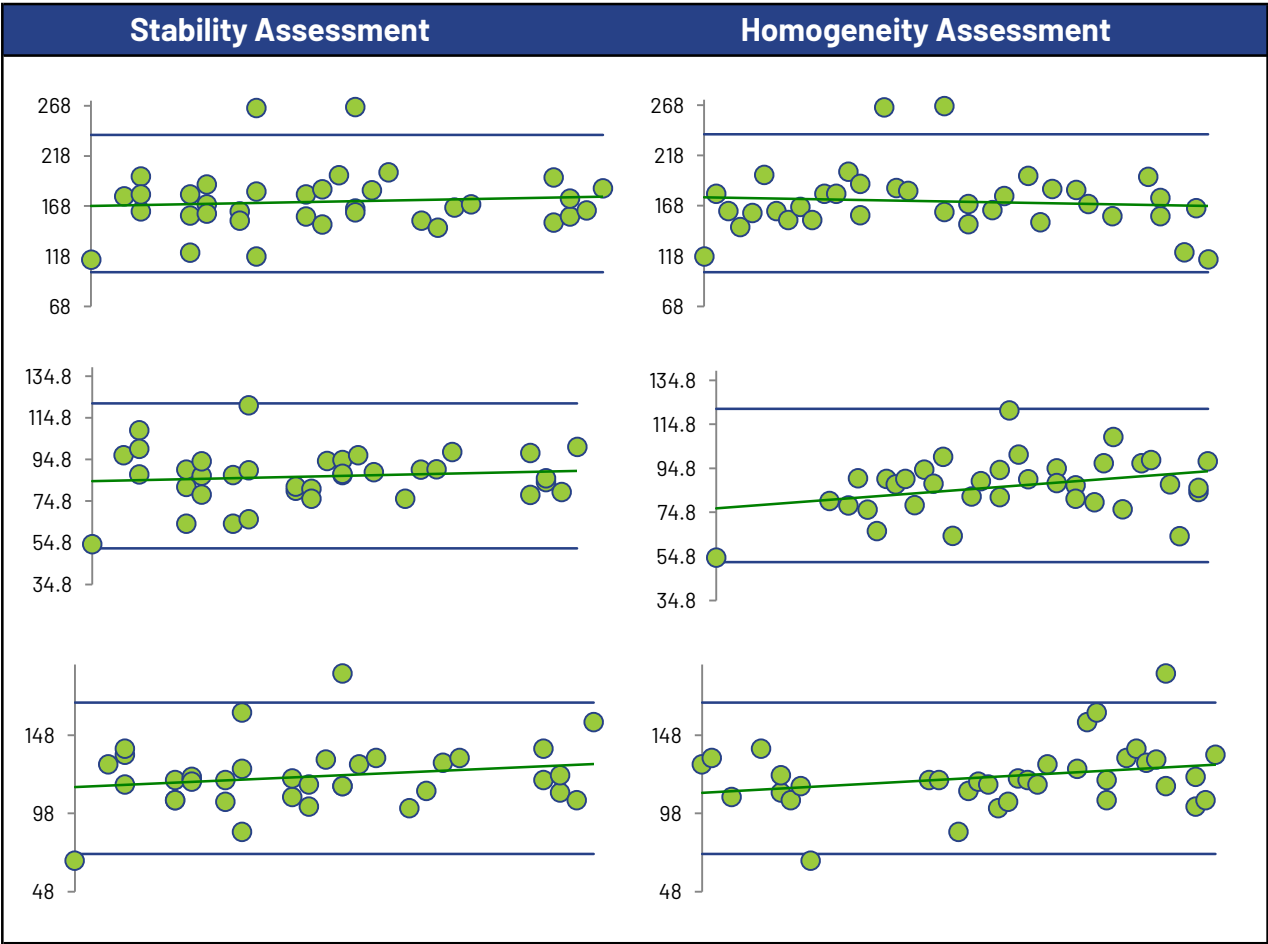
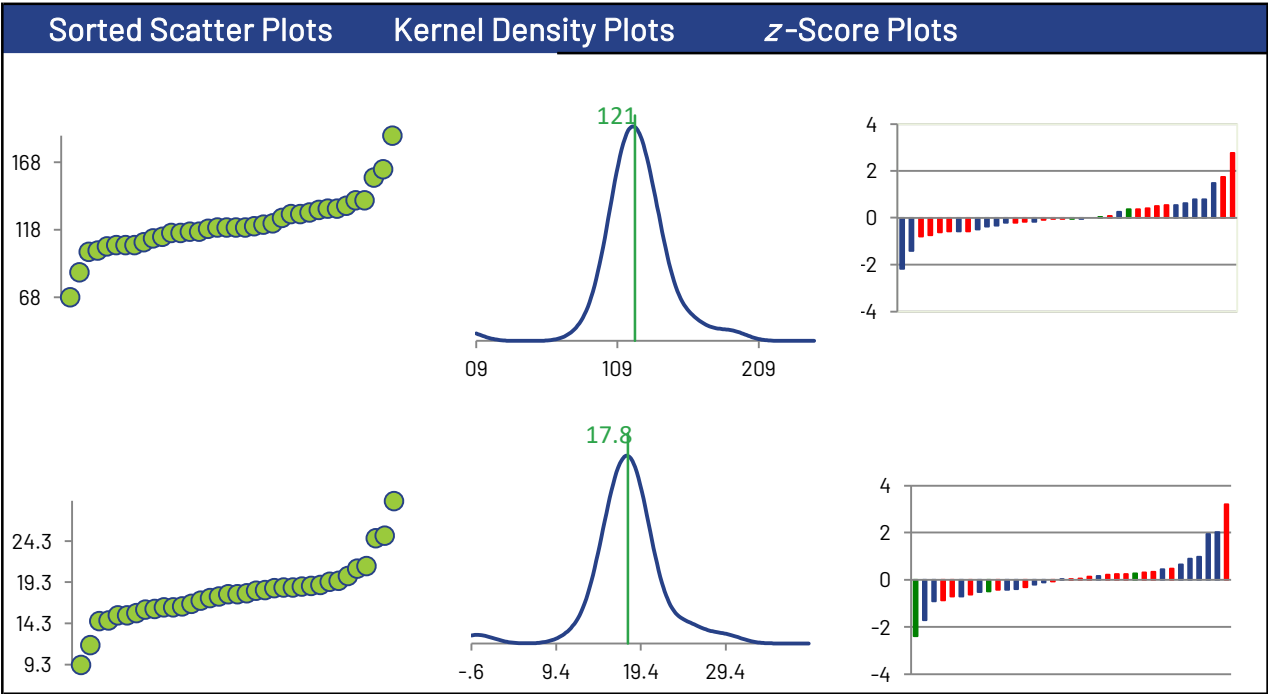
Method	C36-1	C36-2	C36-3	C36-4
GC/MS - PURGE AND TRAP (Blue)	16	16	16	16
GC/MS - HEADSPACE (Red)	17	17	17	16
GC/MS (Green)	3	3	3	3

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

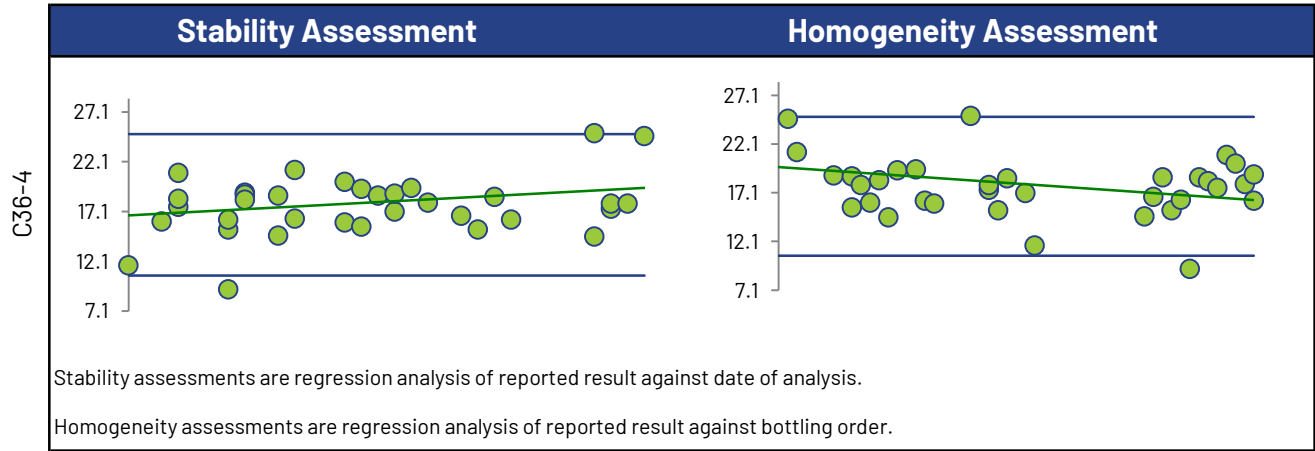


* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

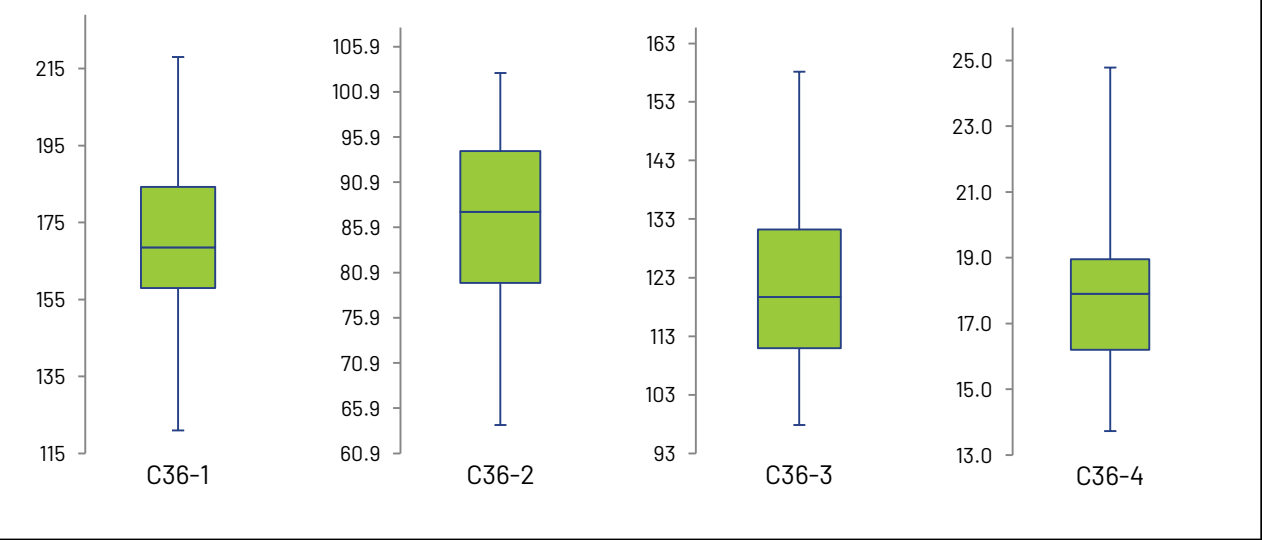
Dichloromethane



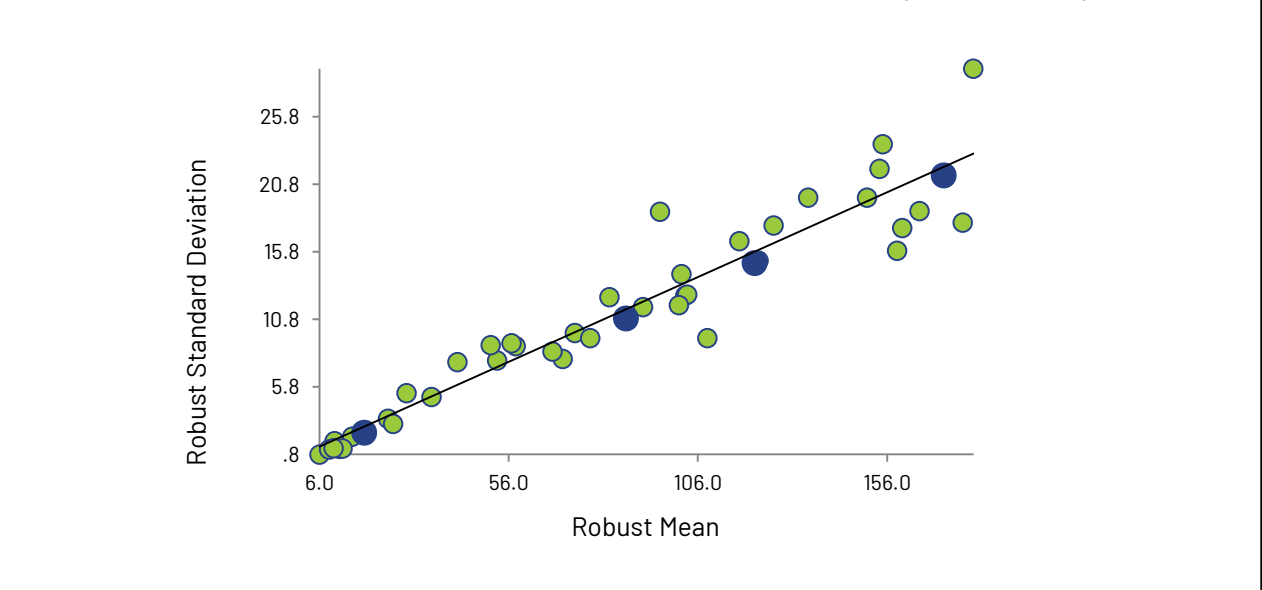
Dichloromethane



Box and Whisker Plots



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



Ethylbenzene

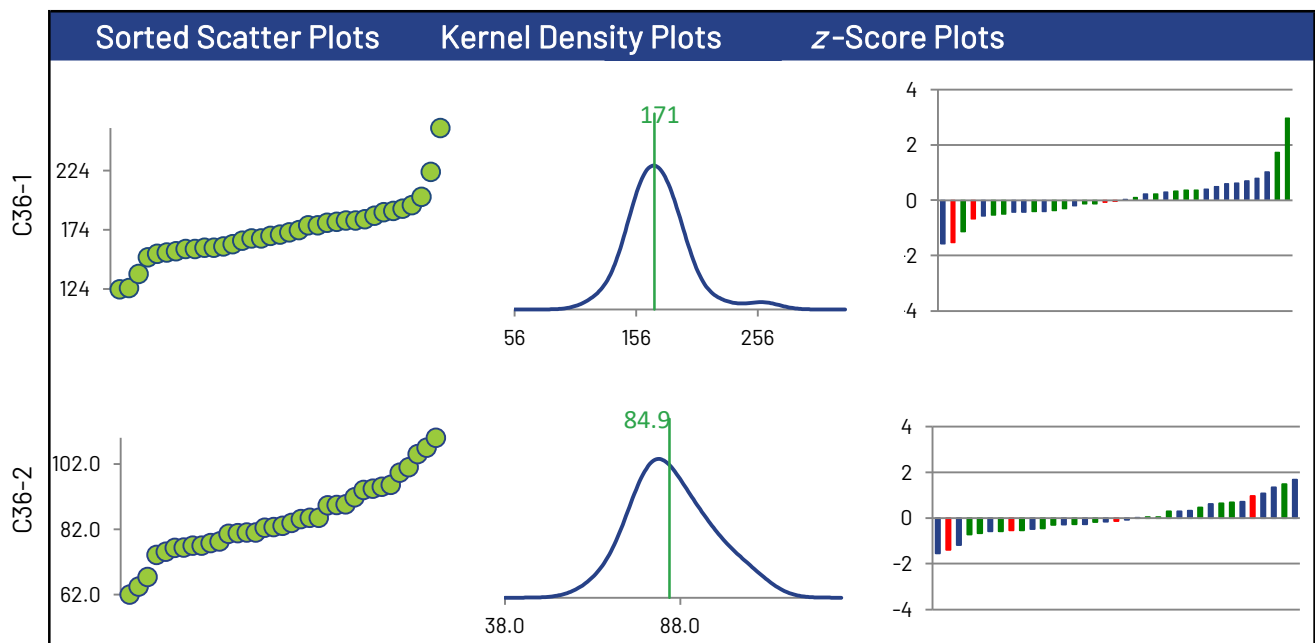
Summary Statistics

Statistic	C36-1	C36-2	C36-3	C36-4
No. of results used for summary statistics	35	35	35	35
Median µg/g	170	83.0	118	16.4
Robust Mean µg/g	171	84.9	118	16.5
Uncertainty of the Assigned Value µg/g	4.01	2.37	2.85	0.416
Robust Standard Deviation µg/g	19.0	11.2	13.5	1.97
Regression Standard Deviation µg/g	30.0	14.9	20.7	2.89
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) µg/g	30.0	14.9	20.7	2.89
Flagged Outliers	0	0	0	0
$ z > 3.0$	0	0	0	0
$2 < z < 3$	1	0	0	1
Failure Rate %*	2.9			

Methods Used

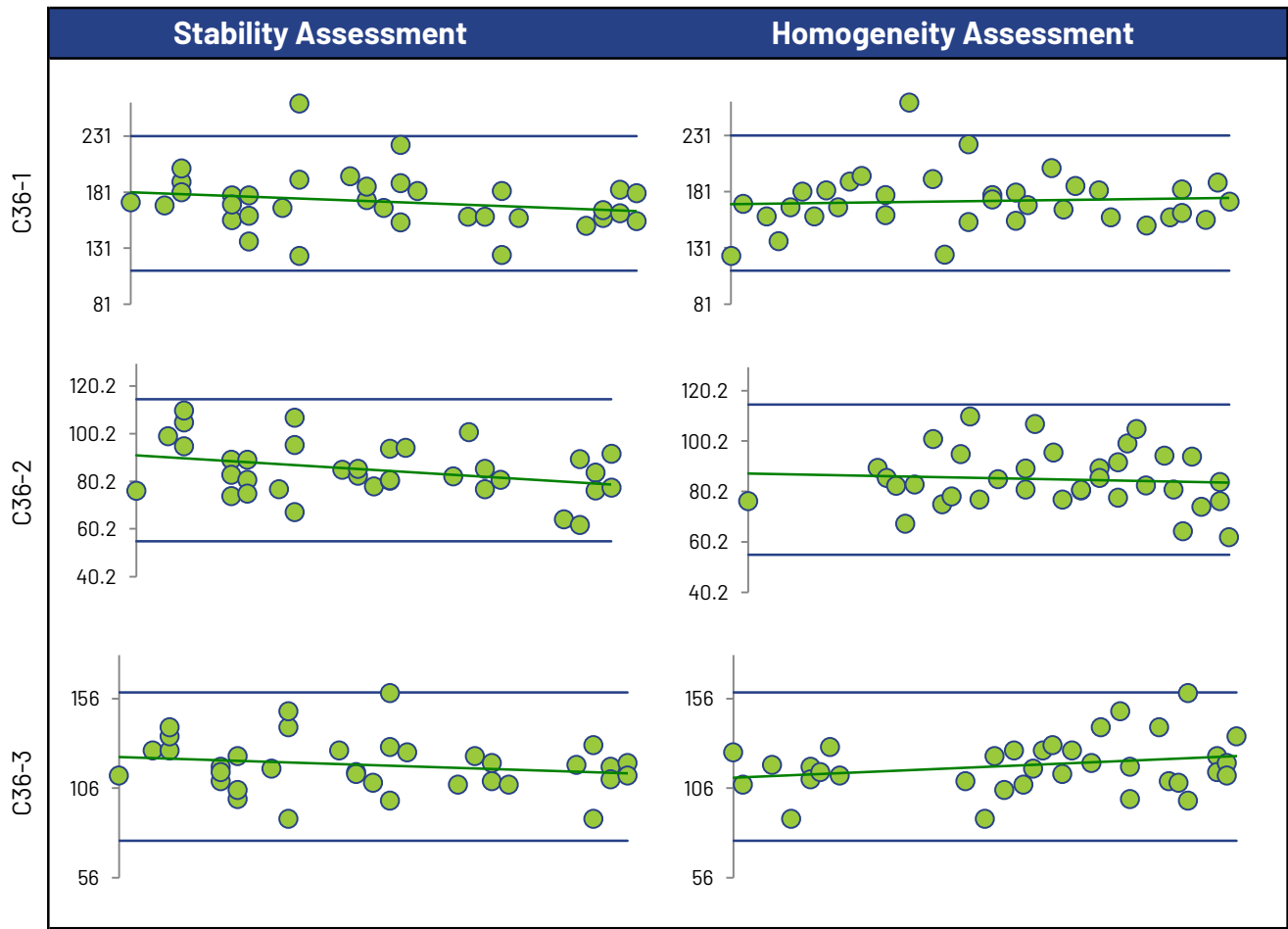
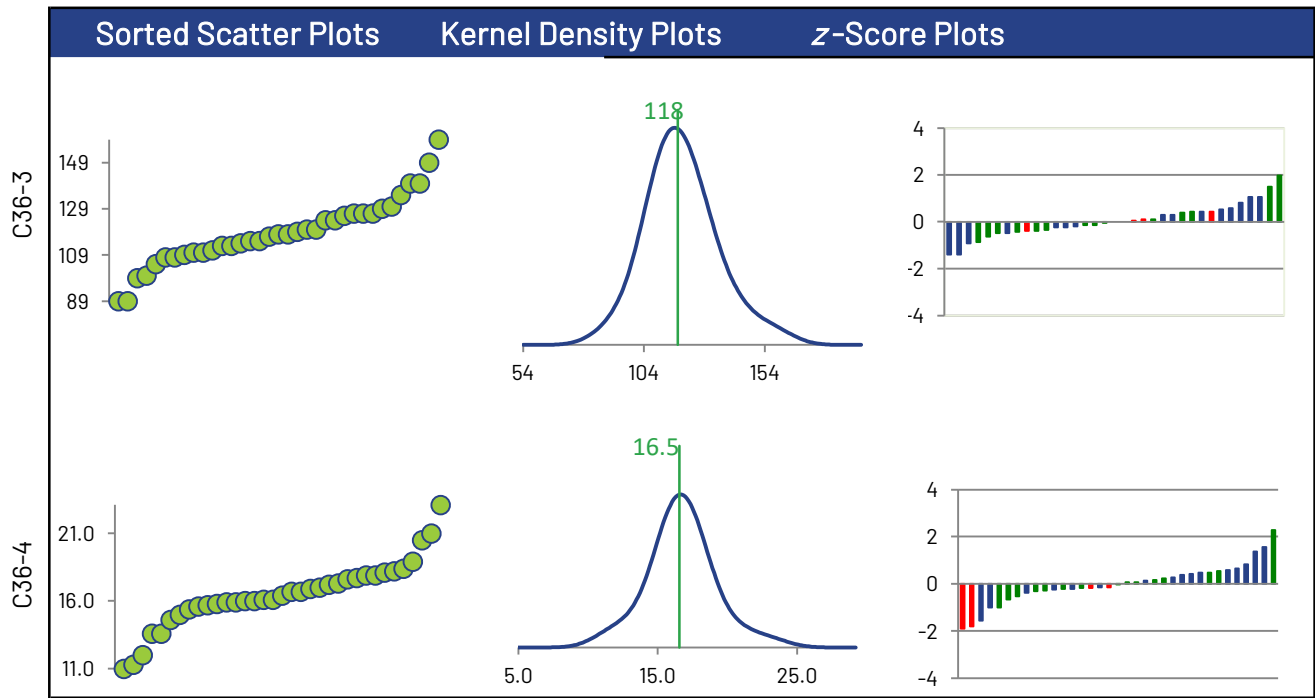
Method	C36-1	C36-2	C36-3	C36-4
GC/MS - PURGE AND TRAP (Blue)	16	16	16	16
GC/MS (Red)	4	4	4	4
GC/MS - HEADSPACE (Green)	15	15	15	15

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

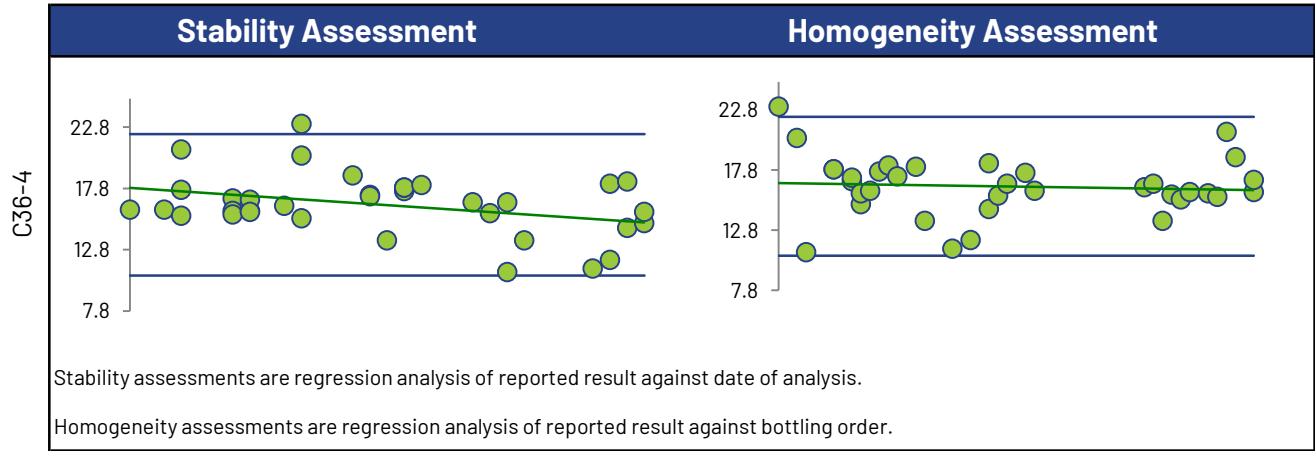


* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

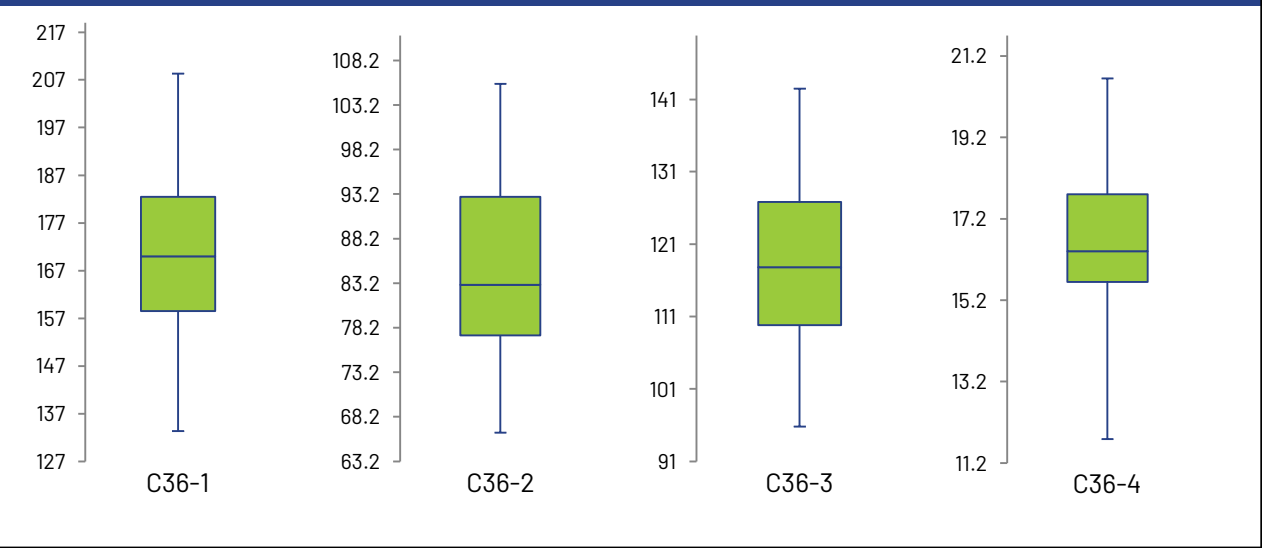
Ethylbenzene



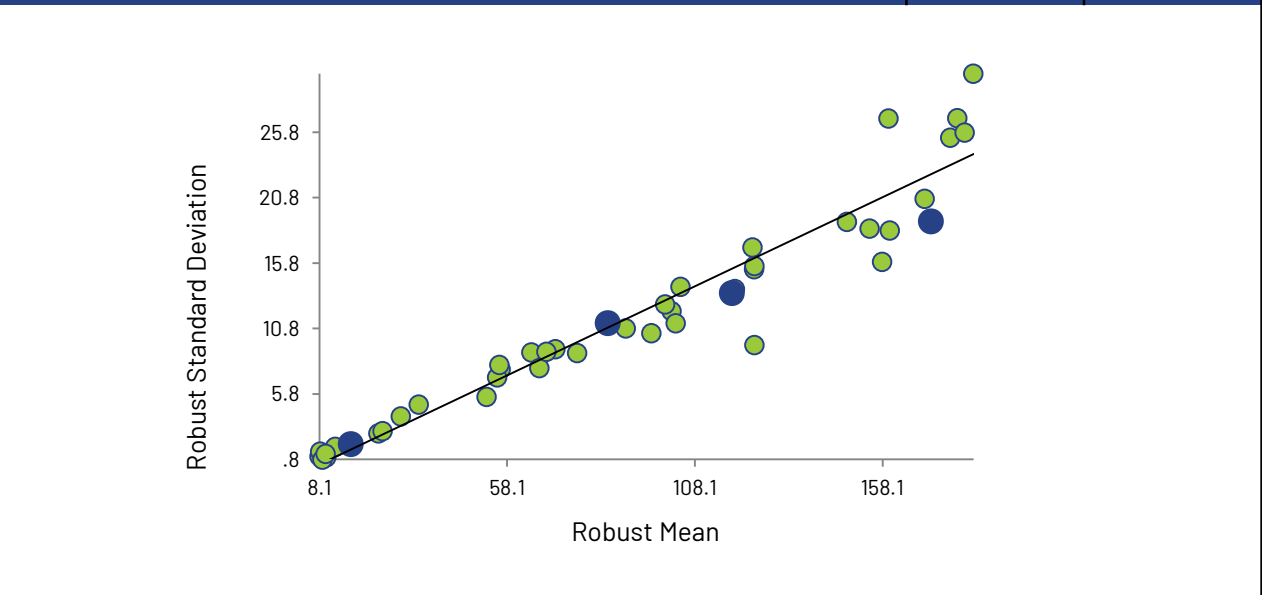
Ethylbenzene



Box and Whisker Plots



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



Ethylene Dibromide

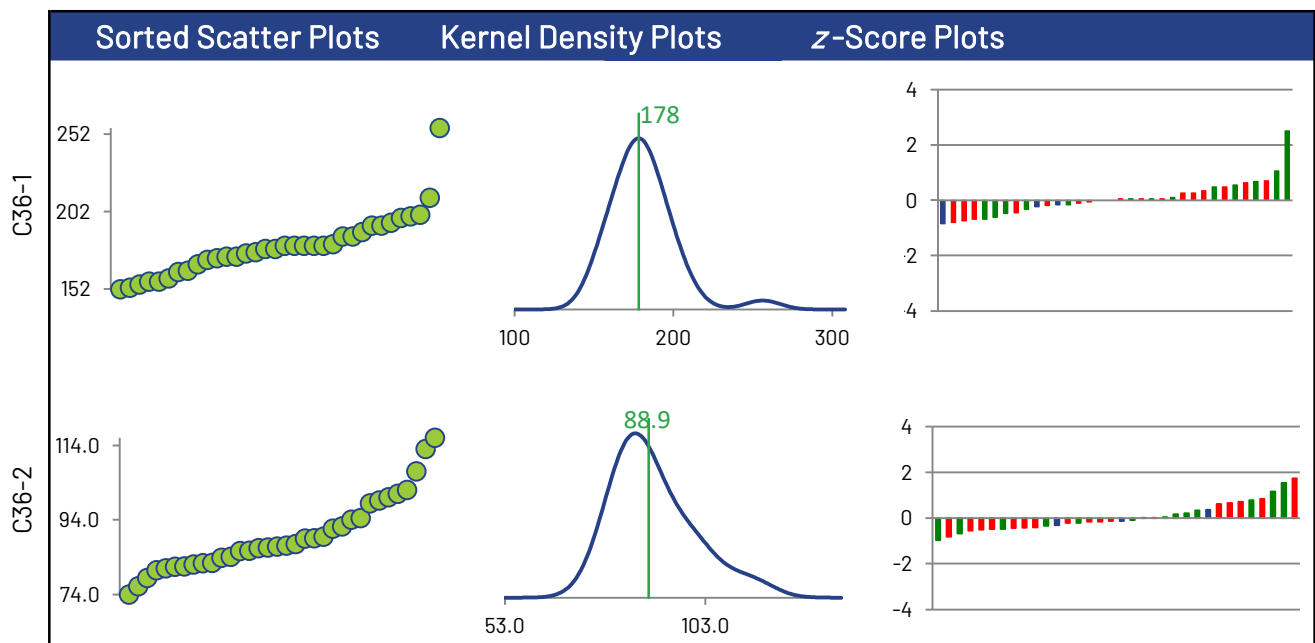
Summary Statistics

Statistic	C36-1	C36-2	C36-3	C36-4
No. of results used for summary statistics	34	34	34	34
Median µg/g	179	87.0	121	17.1
Robust Mean µg/g	178	88.9	122	17.0
Uncertainty of the Assigned Value µg/g	3.62	2.00	1.84	0.300
Robust Standard Deviation µg/g	16.9	9.34	8.56	1.40
Regression Standard Deviation µg/g	31.1	15.6	21.4	2.98
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) µg/g	31.1	15.6	21.4	2.98
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

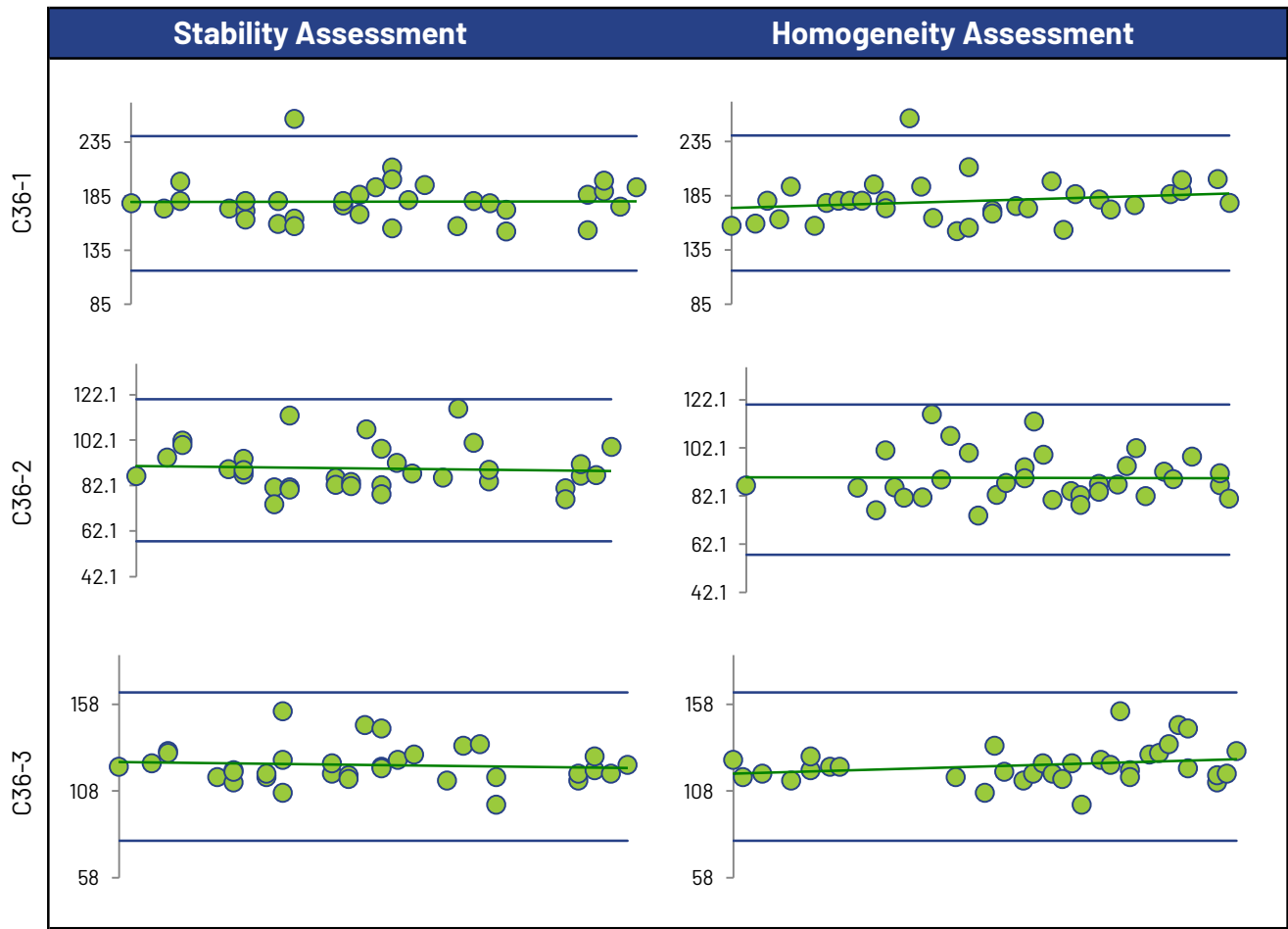
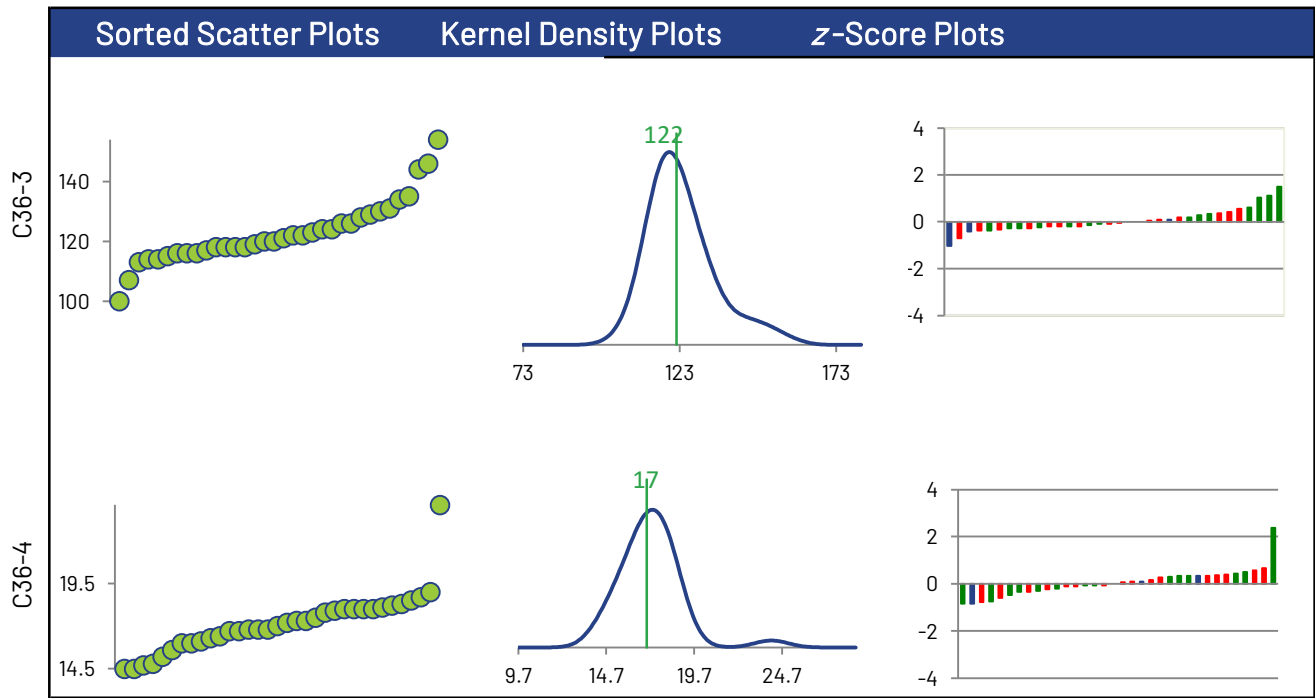
Method	C36-1	C36-2	C36-3	C36-4
GC/MS (Blue)	3	3	3	3
GC/MS - PURGE AND TRAP (Red)	17	17	17	17
GC/MS - HEADSPACE (Green)	14	14	14	14

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

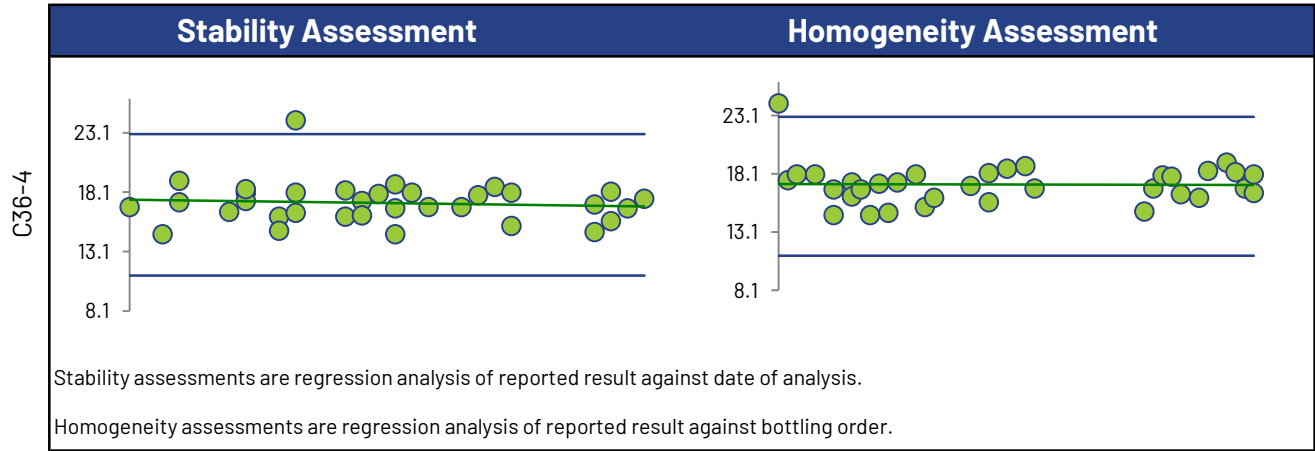


* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

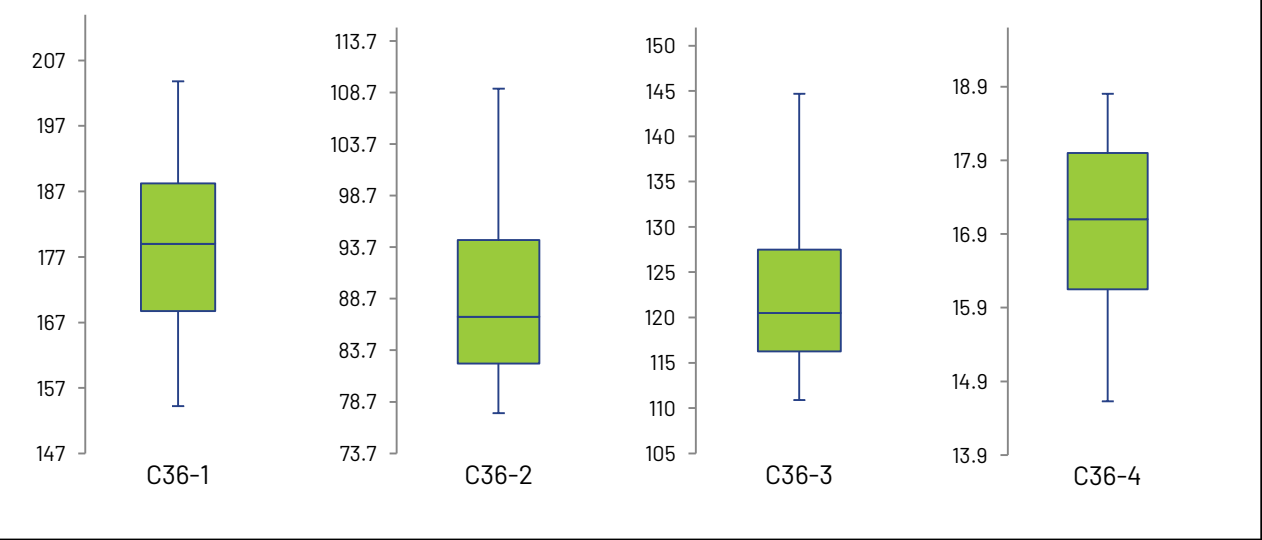
Ethylene Dibromide



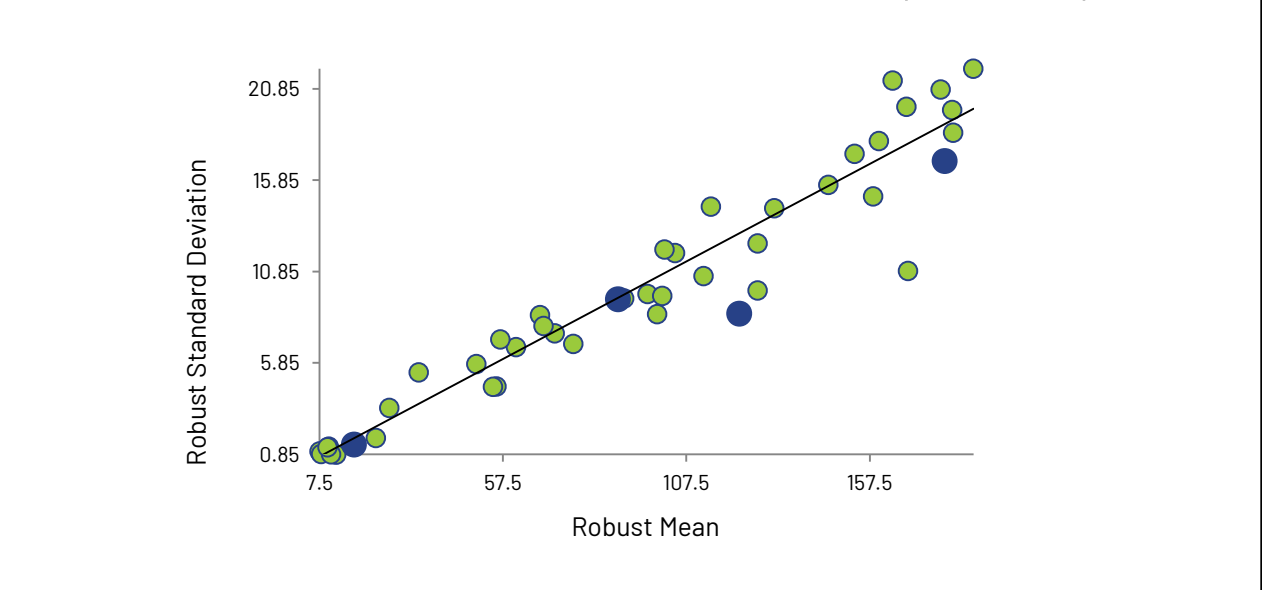
Ethylene Dibromide



Box and Whisker Plots



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



m,p-Xylene

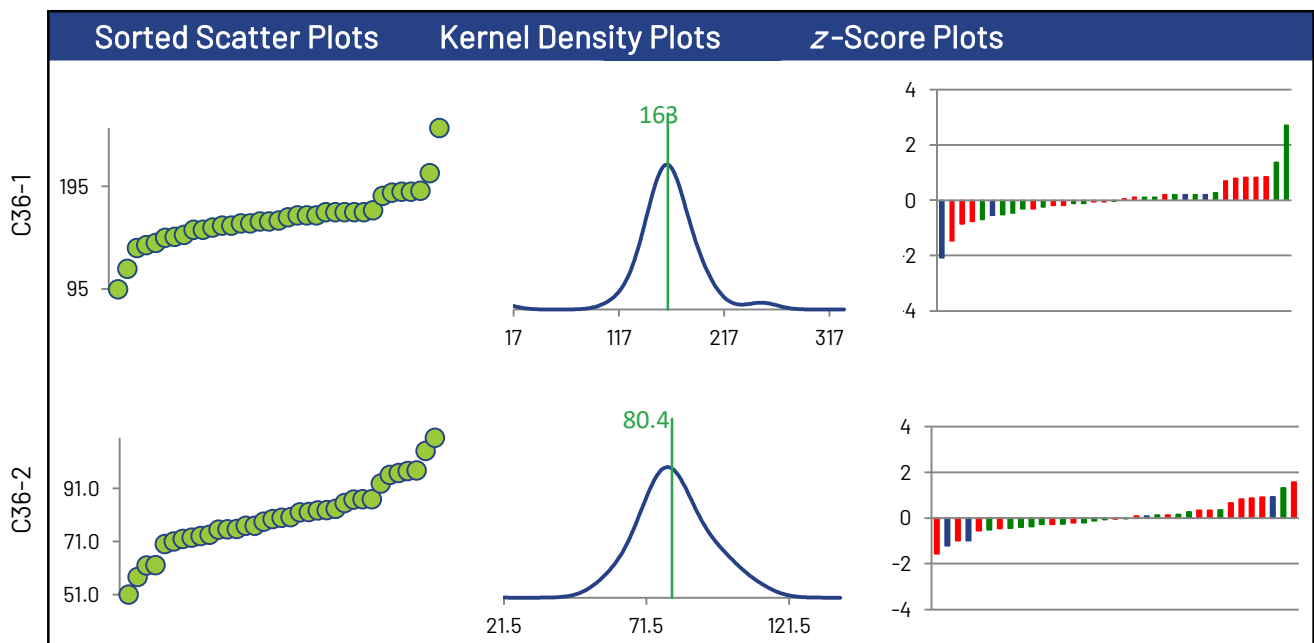
Summary Statistics

Statistic	C36-1	C36-2	C36-3	C36-4
No. of results used for summary statistics	35	35	35	33
Median µg/g	162	79.9	110	15.4
Robust Mean µg/g	163	80.4	113	15.8
Uncertainty of the Assigned Value µg/g	4.23	2.60	3.49	0.392
Robust Standard Deviation µg/g	20.0	12.3	16.5	1.80
Regression Standard Deviation µg/g	32.7	16.1	22.7	3.16
Stability Flag		Stability		
Homogeneity Flag				
Standard Deviation Used (SDPA) µg/g	32.7	18.8	22.7	3.16
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

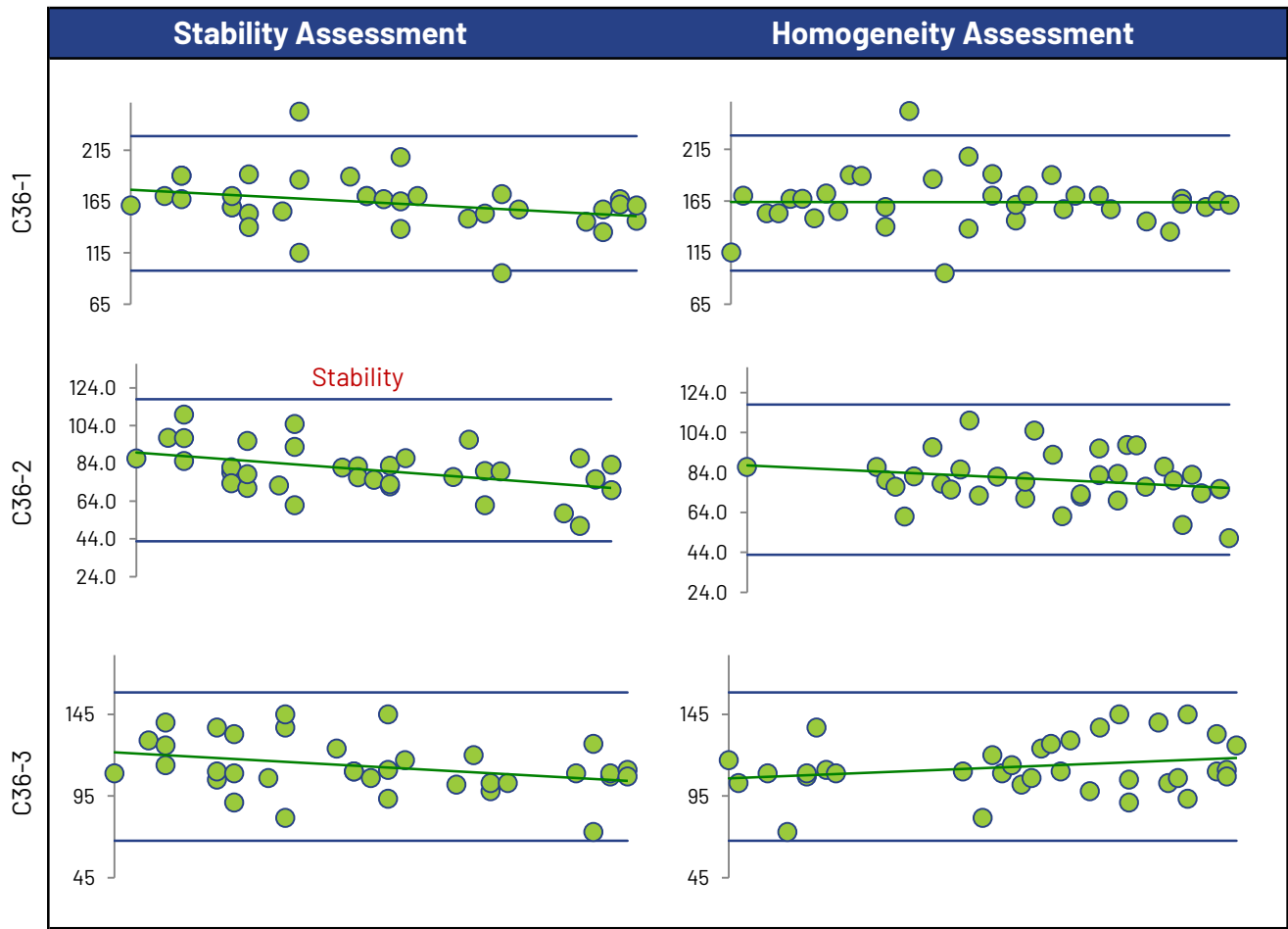
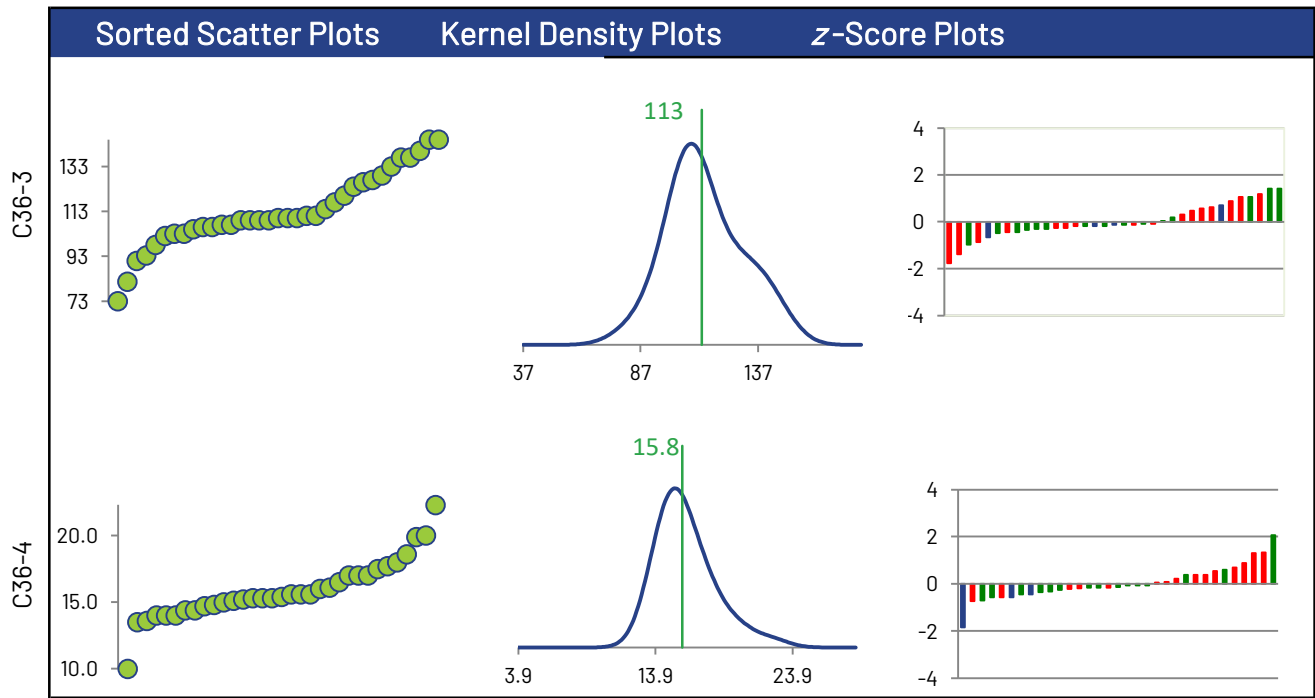
Method	C36-1	C36-2	C36-3	C36-4
GC/MS (Blue)	4	4	4	3
GC/MS - PURGE AND TRAP (Red)	16	16	16	15
GC/MS - HEADSPACE (Green)	15	15	15	15

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

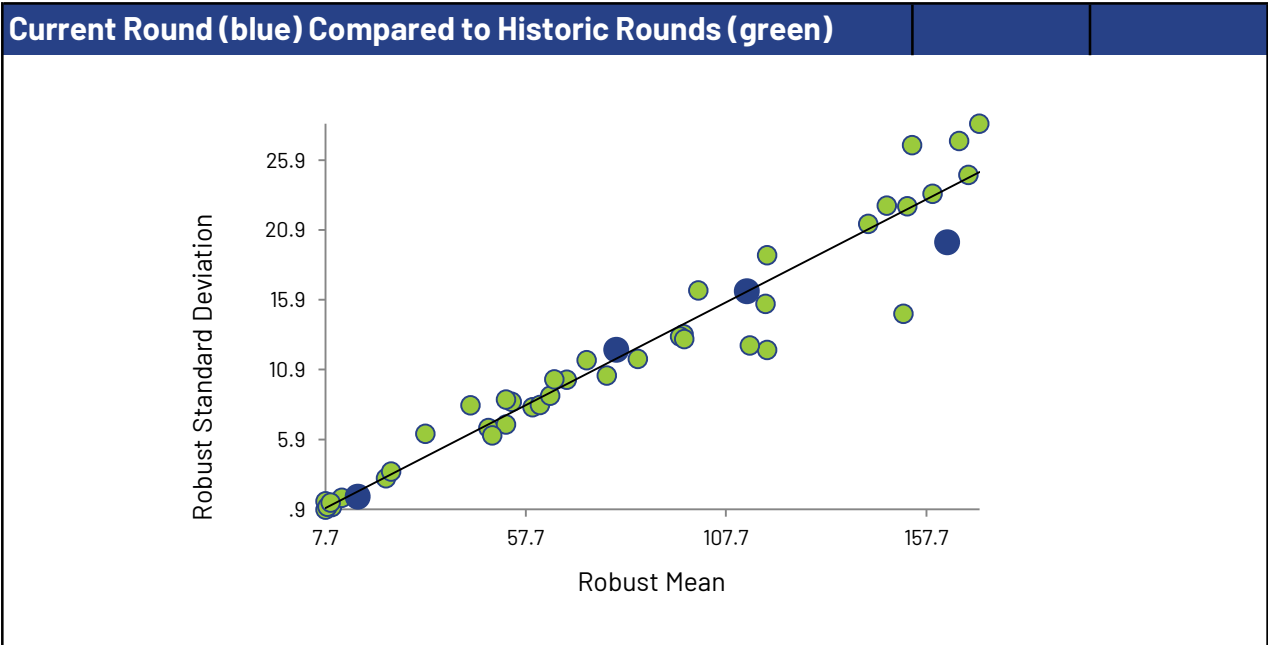
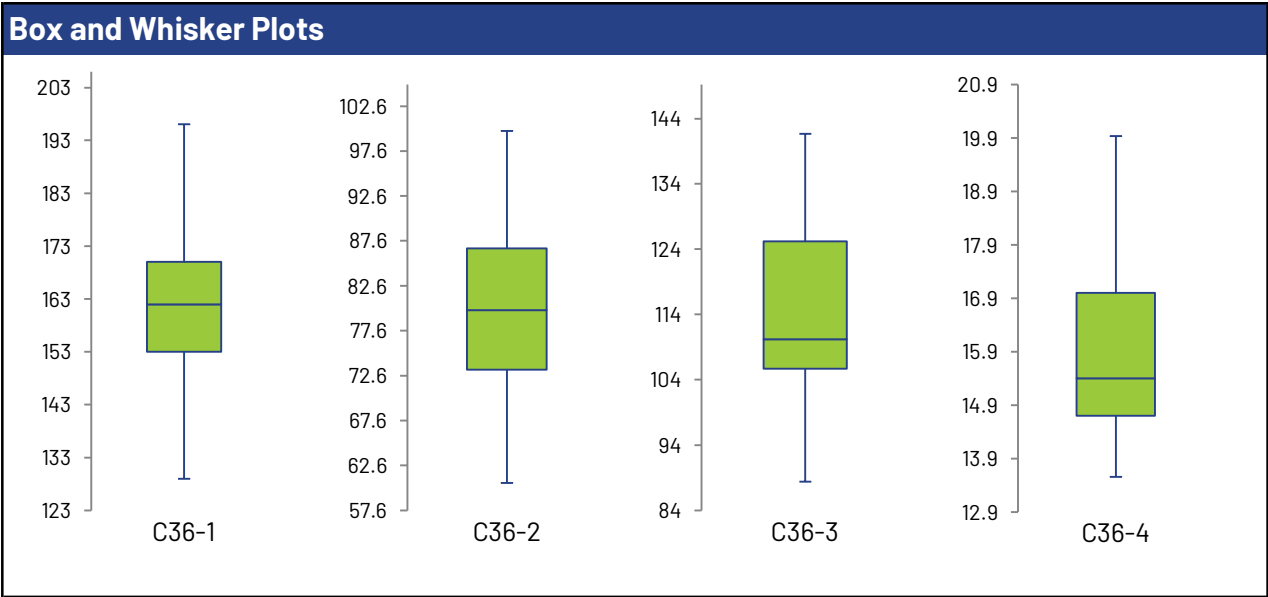
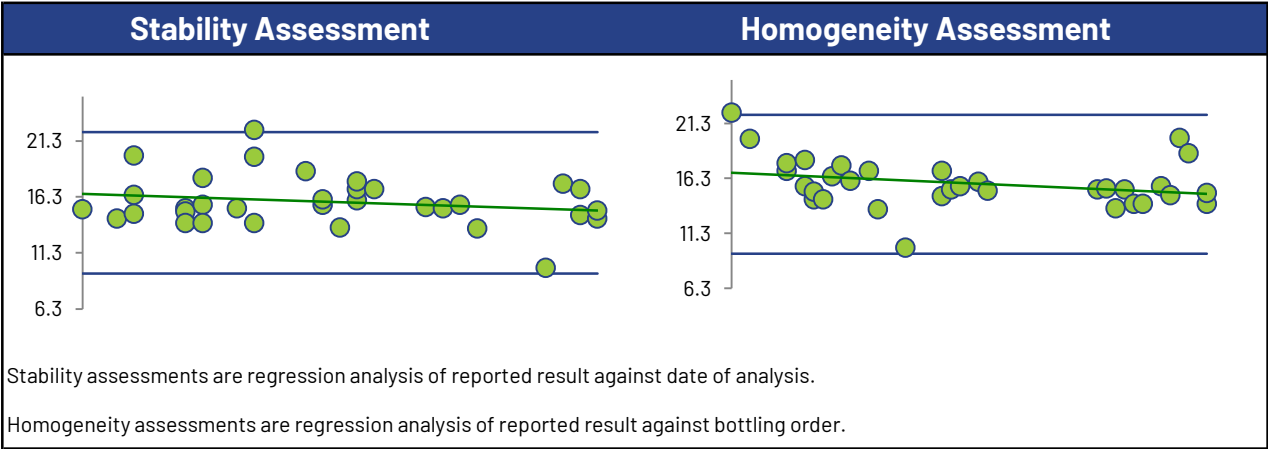


* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

m,p-Xylene



m,p-Xylene



Methyl ethyl ketone

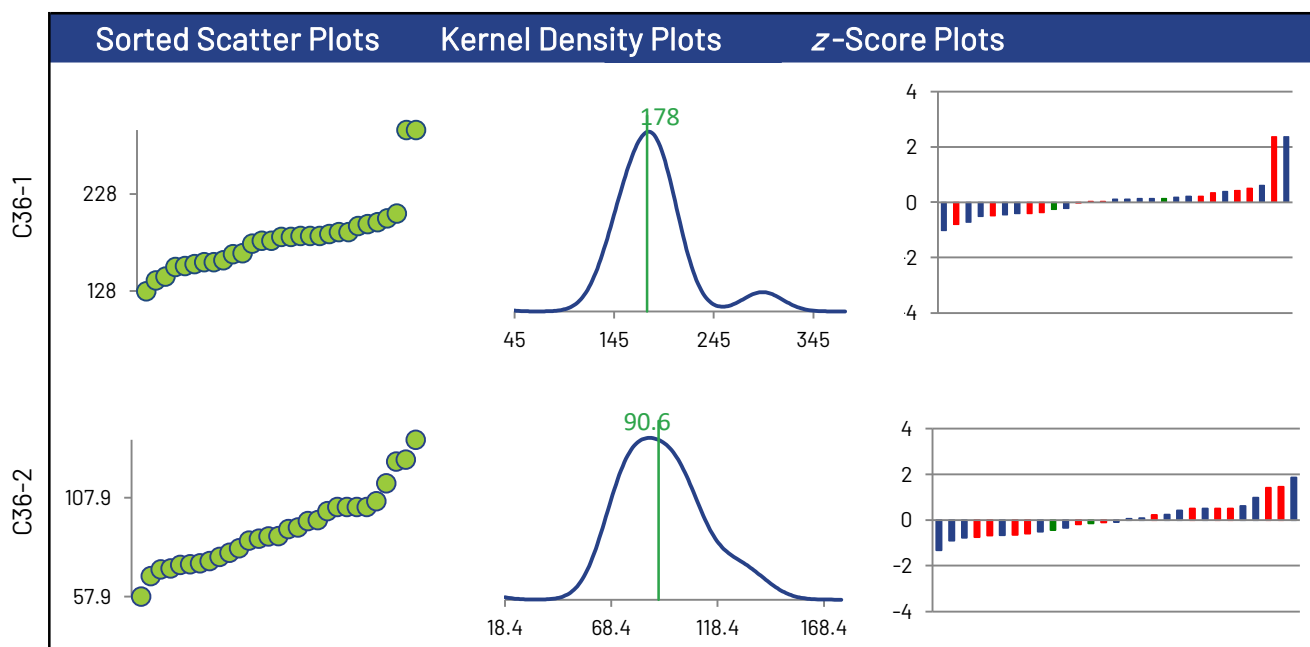
Summary Statistics

Statistic	C36-1	C36-2	C36-3	C36-4
No. of results used for summary statistics	29	29	29	28
Median µg/g	184	88.3	124	18.0
Robust Mean µg/g	178	90.6	123	17.5
Uncertainty of the Assigned Value µg/g	5.62	4.22	4.60	0.751
Robust Standard Deviation µg/g	24.2	18.2	19.8	3.18
Regression Standard Deviation µg/g	48.9	24.9	33.8	4.81
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) µg/g	48.9	24.9	33.8	4.81
Flagged Outliers	0	0	0	1
$ z > 3.0$	0	0	0	1
$2 < z < 3$	2	0	0	1
Failure Rate %*	6.9			

Methods Used

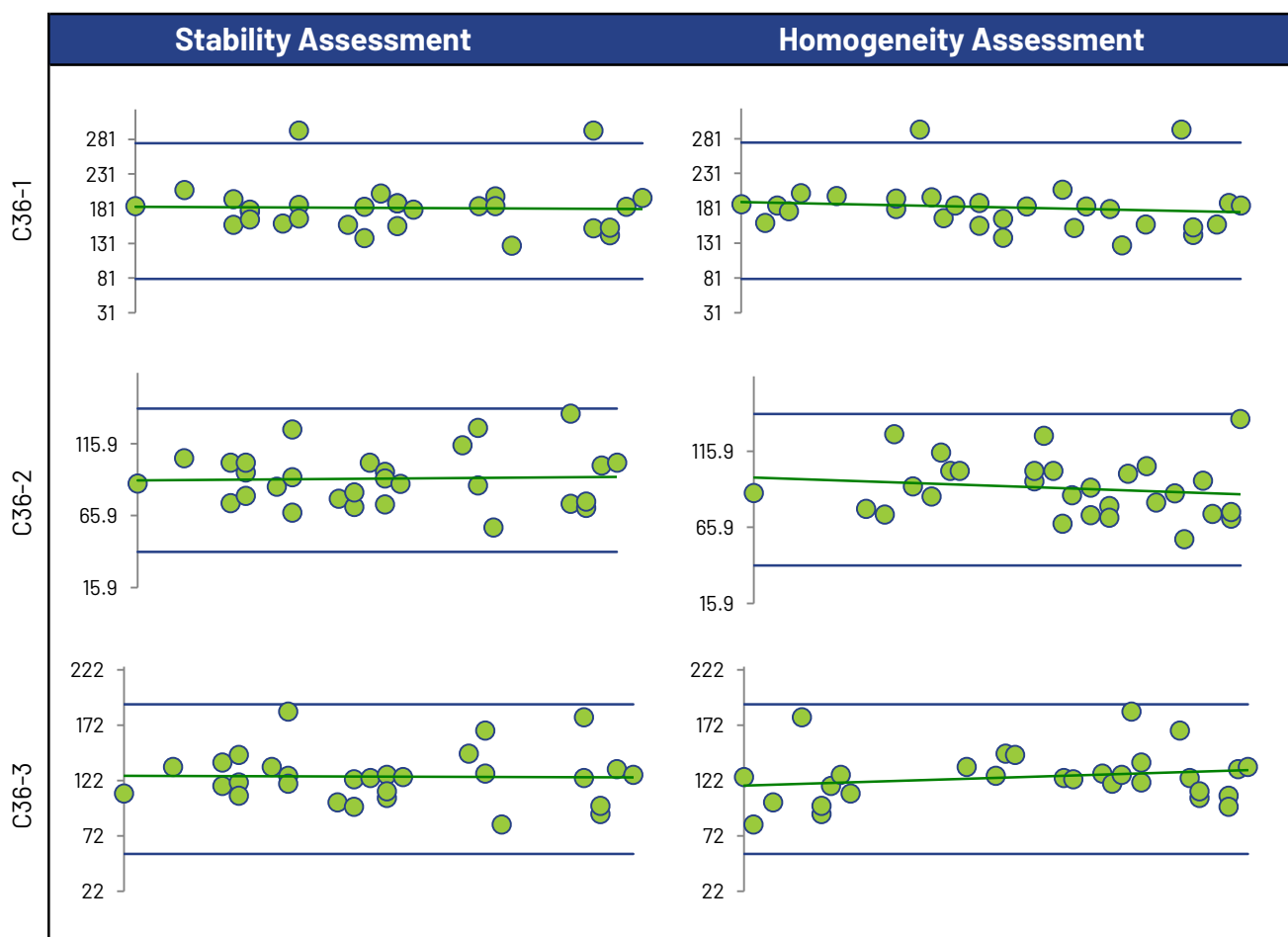
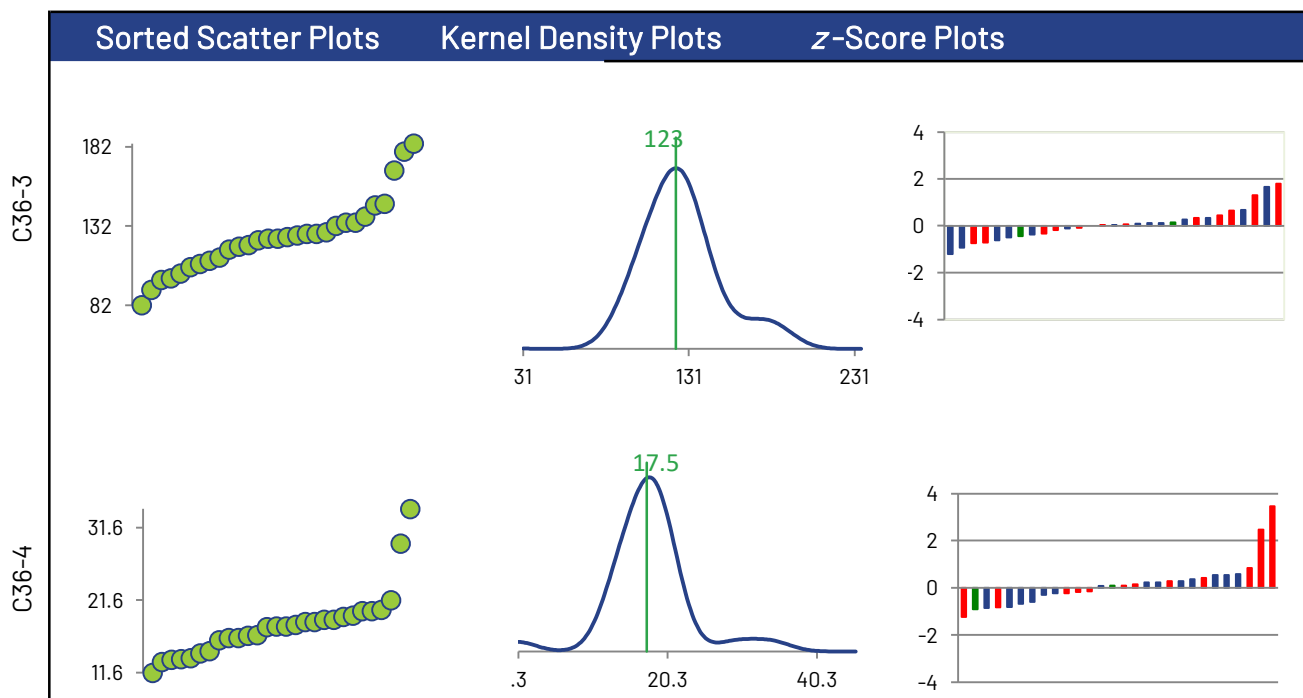
Method	C36-1	C36-2	C36-3	C36-4
GC/MS - PURGE AND TRAP (Blue)	15	15	15	14
GC/MS - HEADSPACE (Red)	12	12	12	12
GC/MS (Green)	2	2	2	2

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

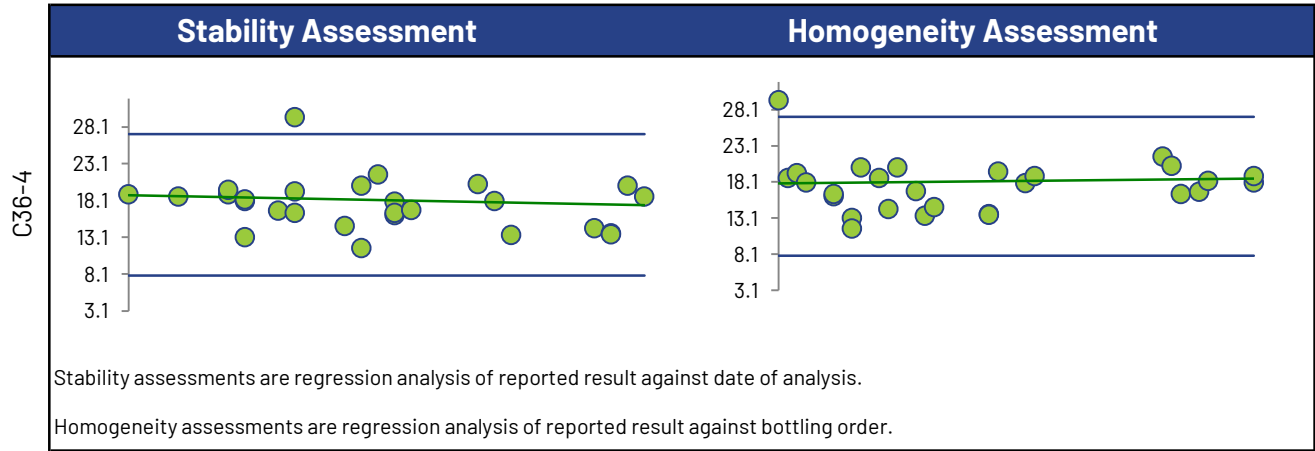


* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

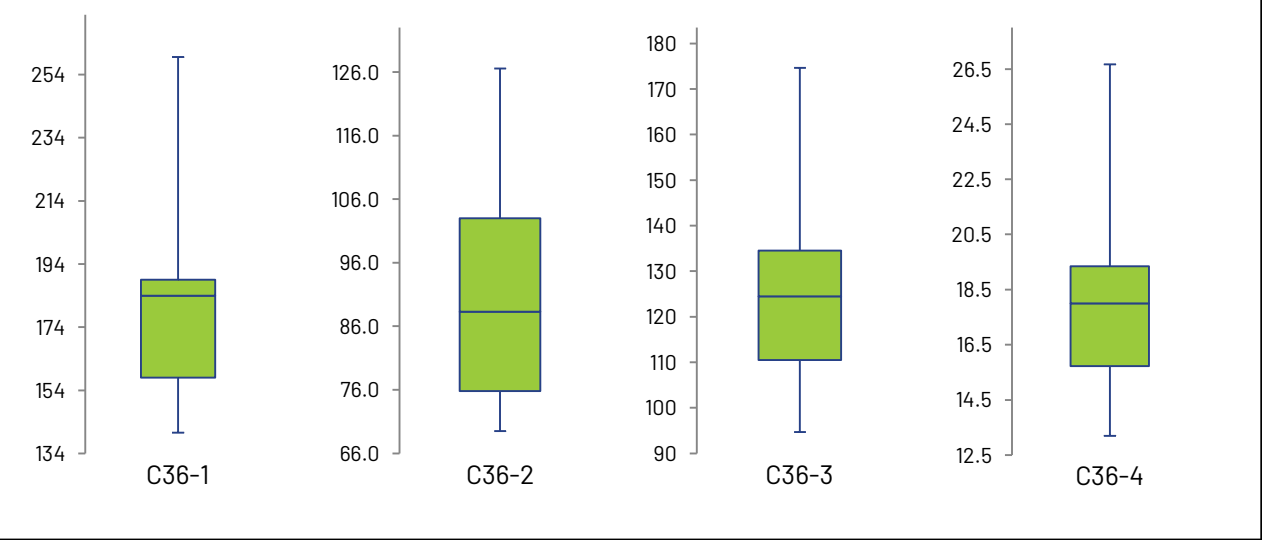
Methyl ethyl ketone



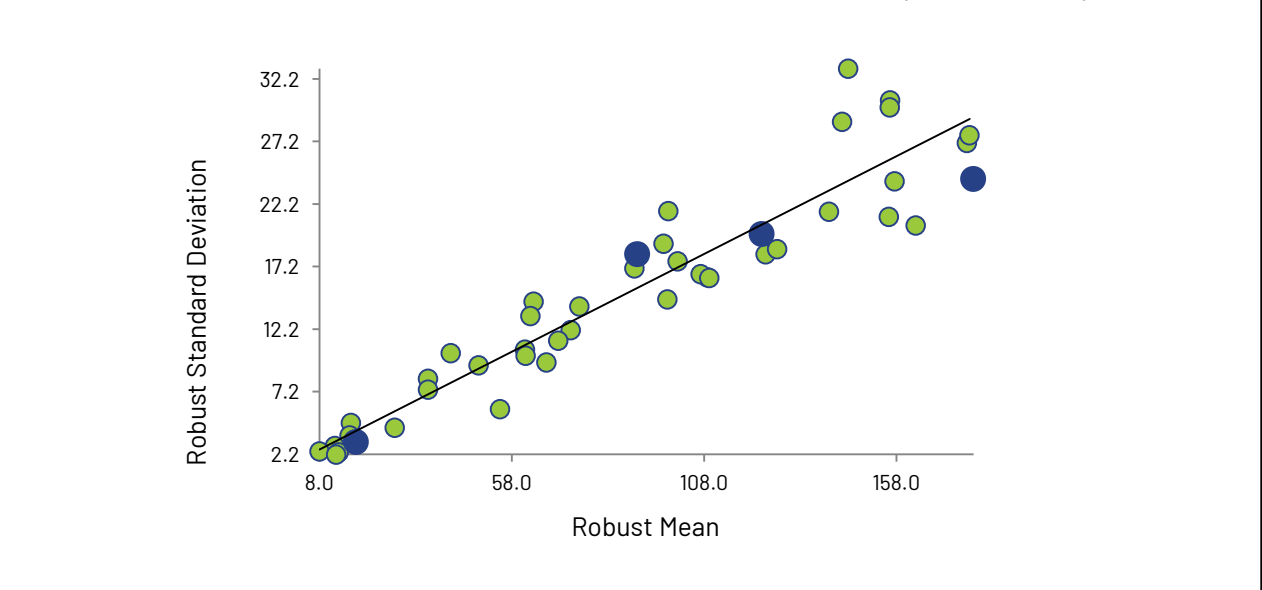
Methyl ethyl ketone



Box and Whisker Plots



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



Methyl isobutyl ketone (MIBK)

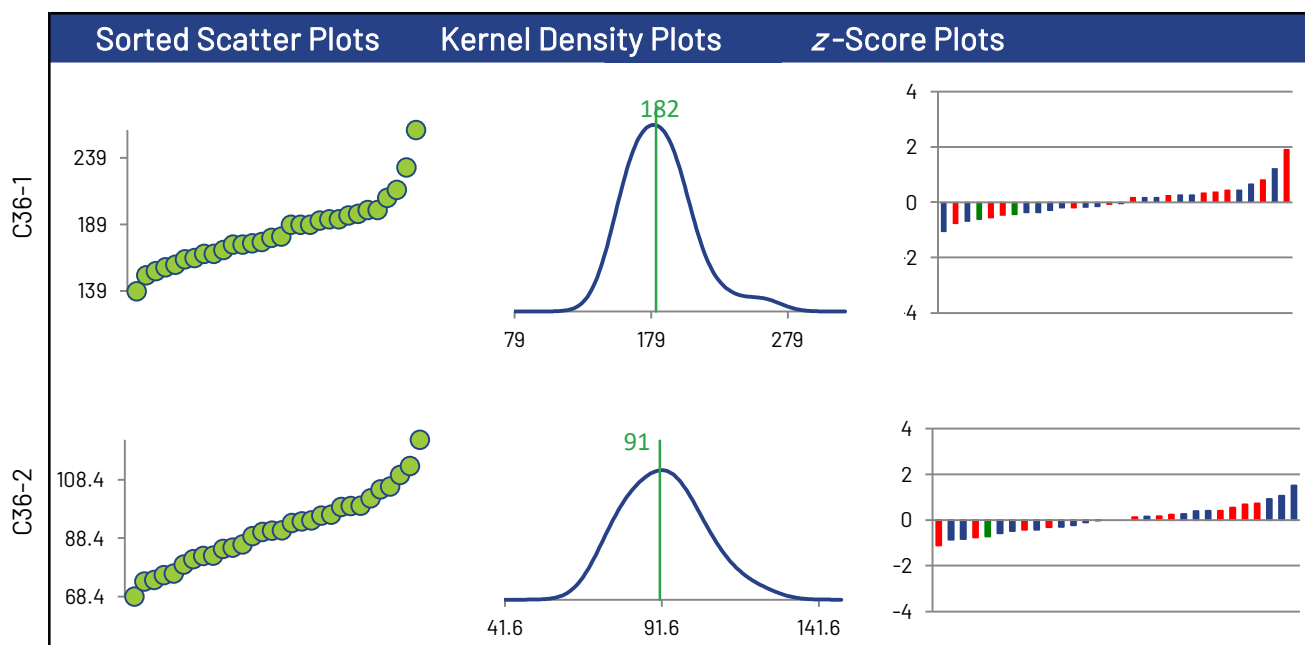
Summary Statistics

Statistic	C36-1	C36-2	C36-3	C36-4
No. of results used for summary statistics	30	30	30	29
Median µg/g	180	91.0	126	16.0
Robust Mean µg/g	182	91.0	124	16.0
Uncertainty of the Assigned Value µg/g	5.04	2.99	3.31	0.548
Robust Standard Deviation µg/g	22.1	13.1	14.5	2.36
Regression Standard Deviation µg/g	40.9	20.5	28.0	3.60
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) µg/g	40.9	20.5	28.0	3.60
Flagged Outliers	0	0	0	1
$ z > 3.0$	0	0	0	0
$2 < z < 3$	0	0	0	1
Failure Rate %*	3.3			

Methods Used

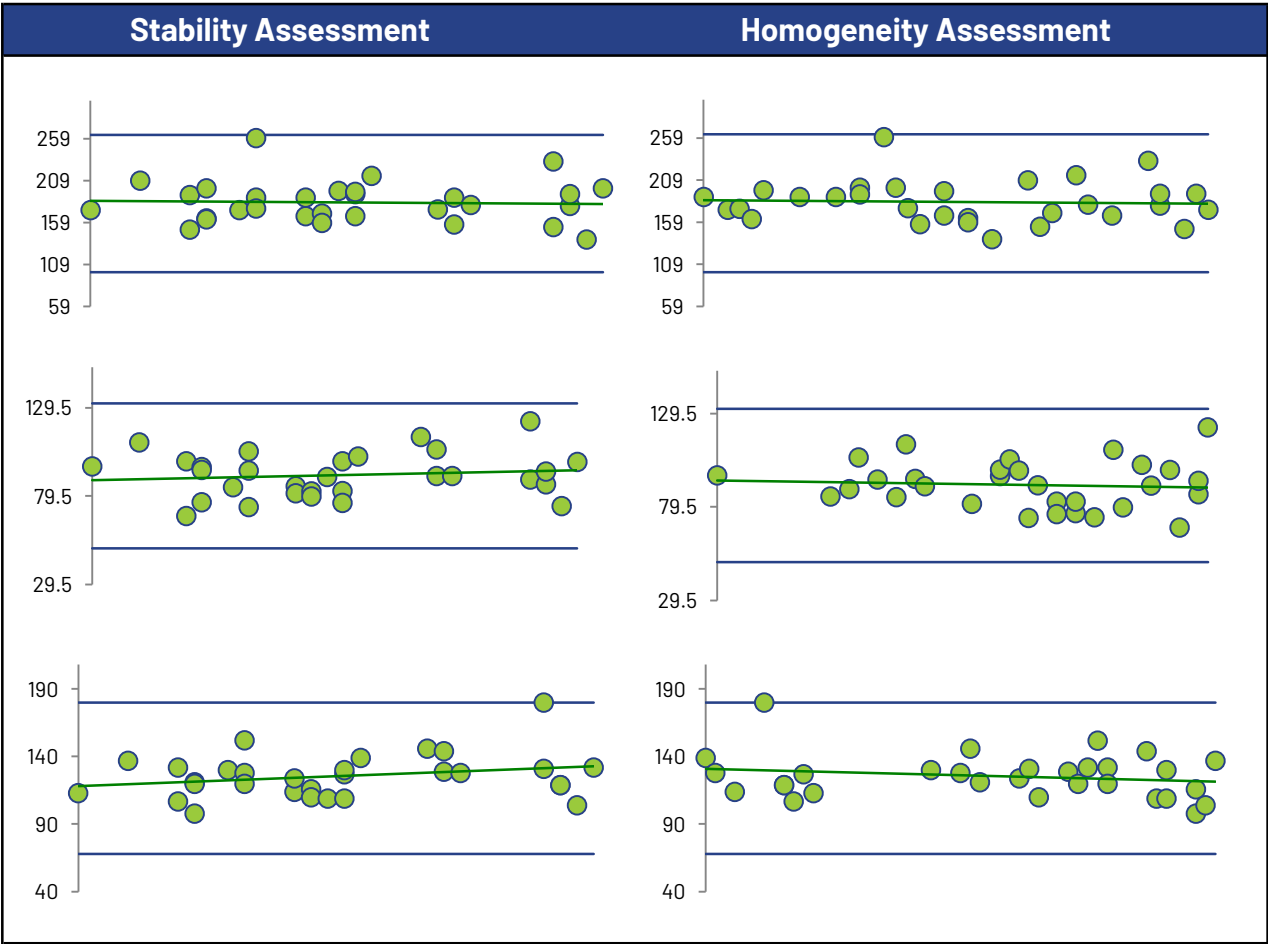
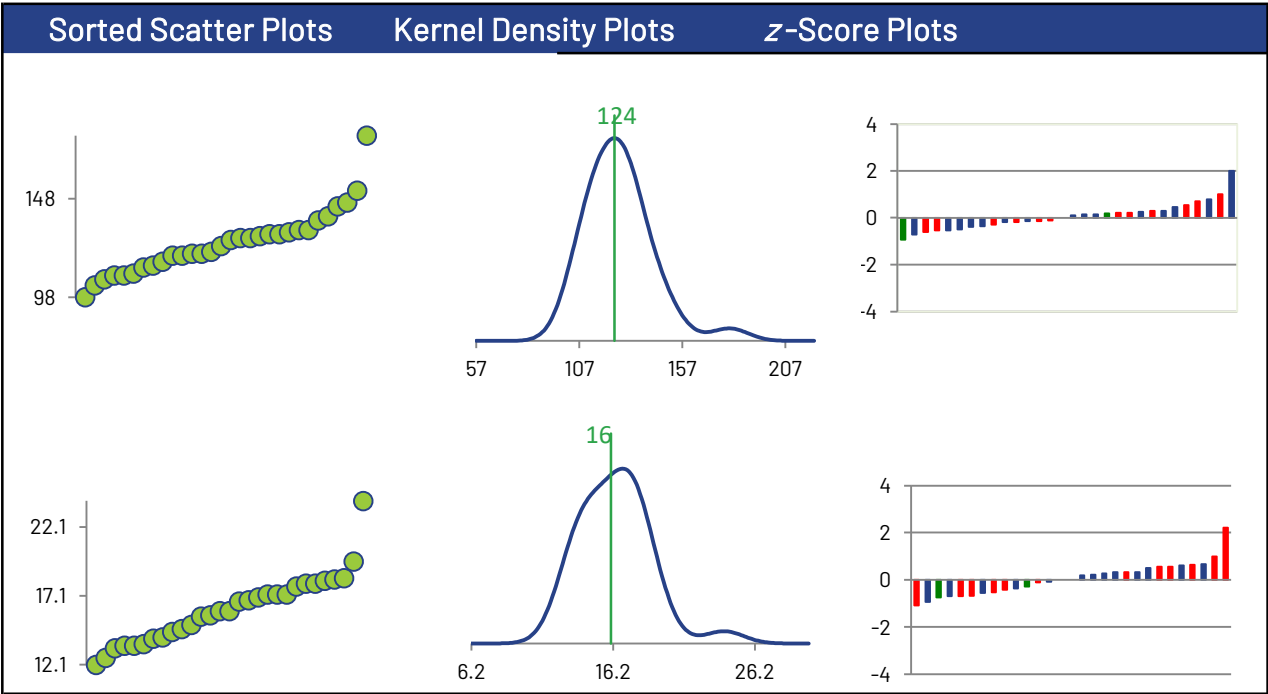
Method	C36-1	C36-2	C36-3	C36-4
GC/MS - PURGE AND TRAP (Blue)	16	16	16	15
GC/MS - HEADSPACE (Red)	12	12	12	12
GC/MS (Green)	2	2	2	2

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

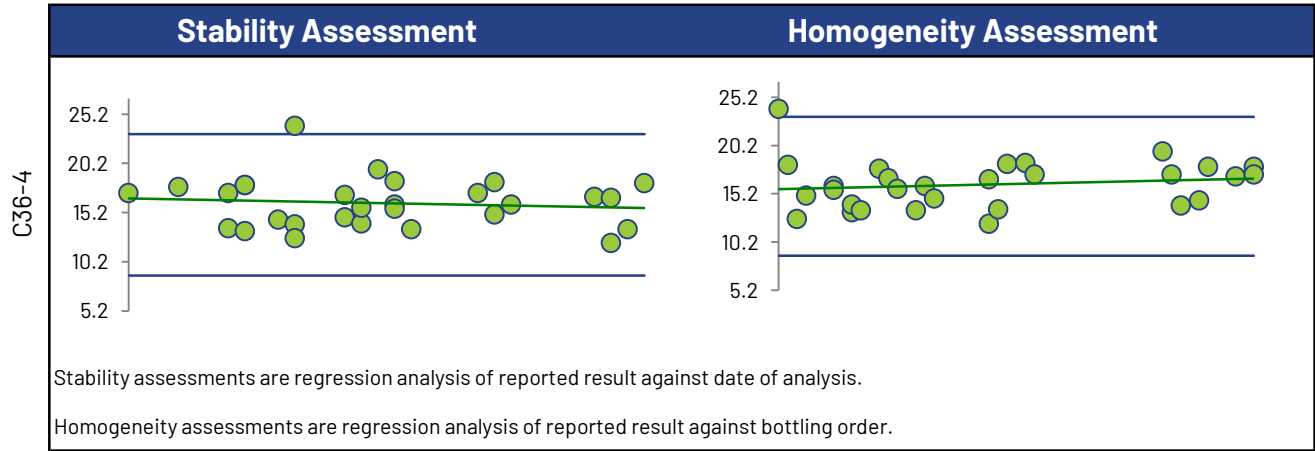


* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

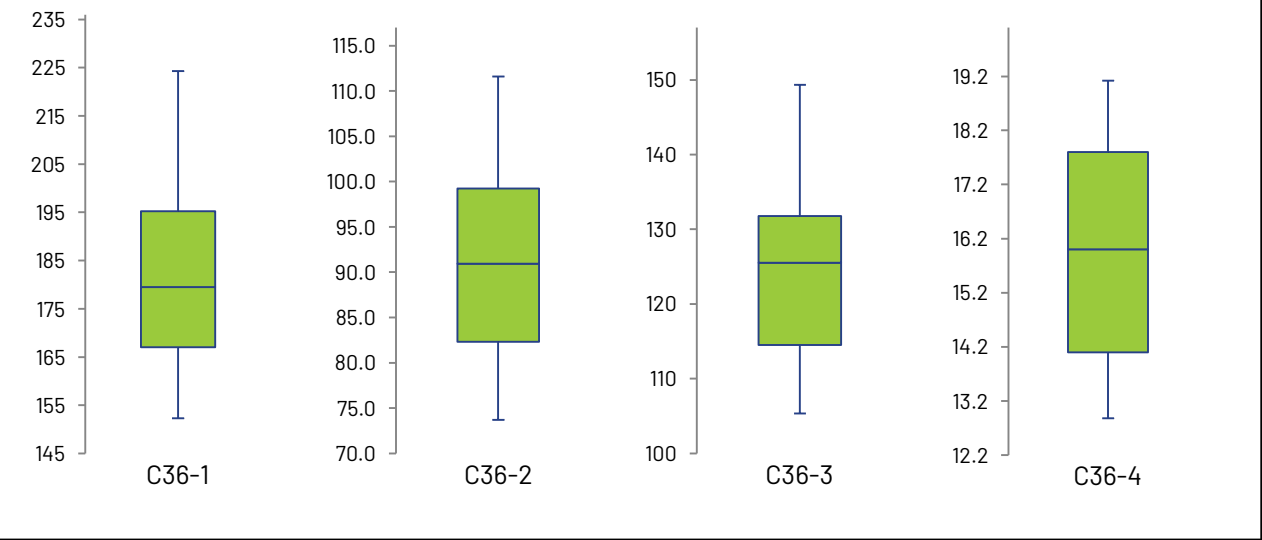
Methyl isobutyl ketone (MIBK)



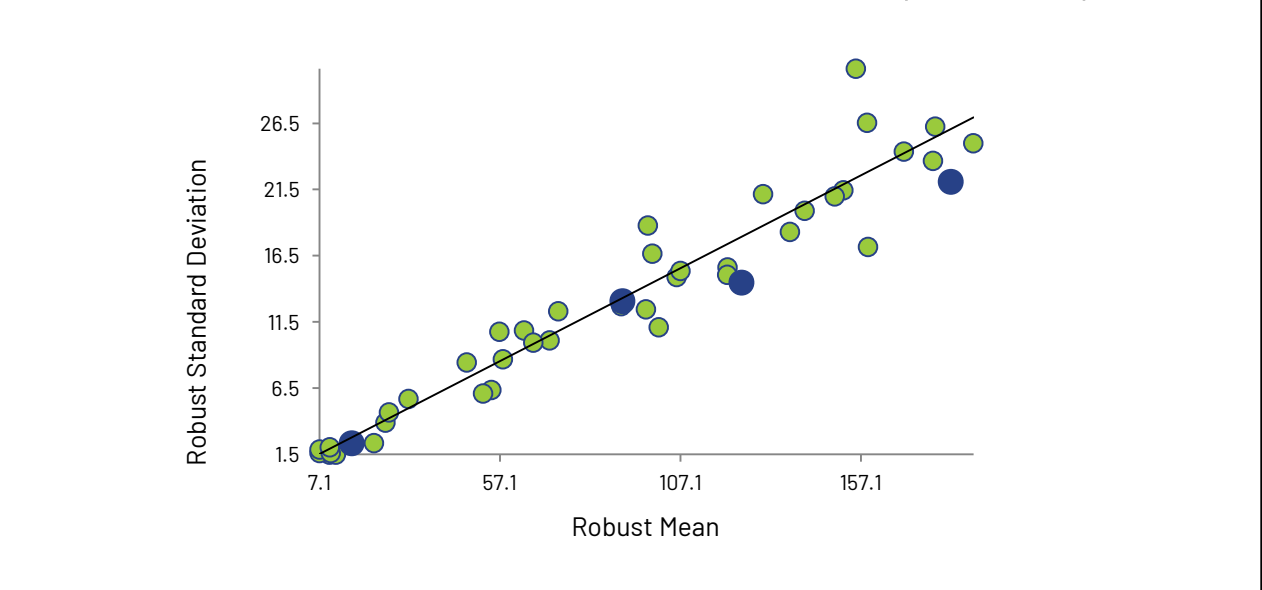
Methyl isobutyl ketone (MIBK)



Box and Whisker Plots



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



Methyl t-butyl ether

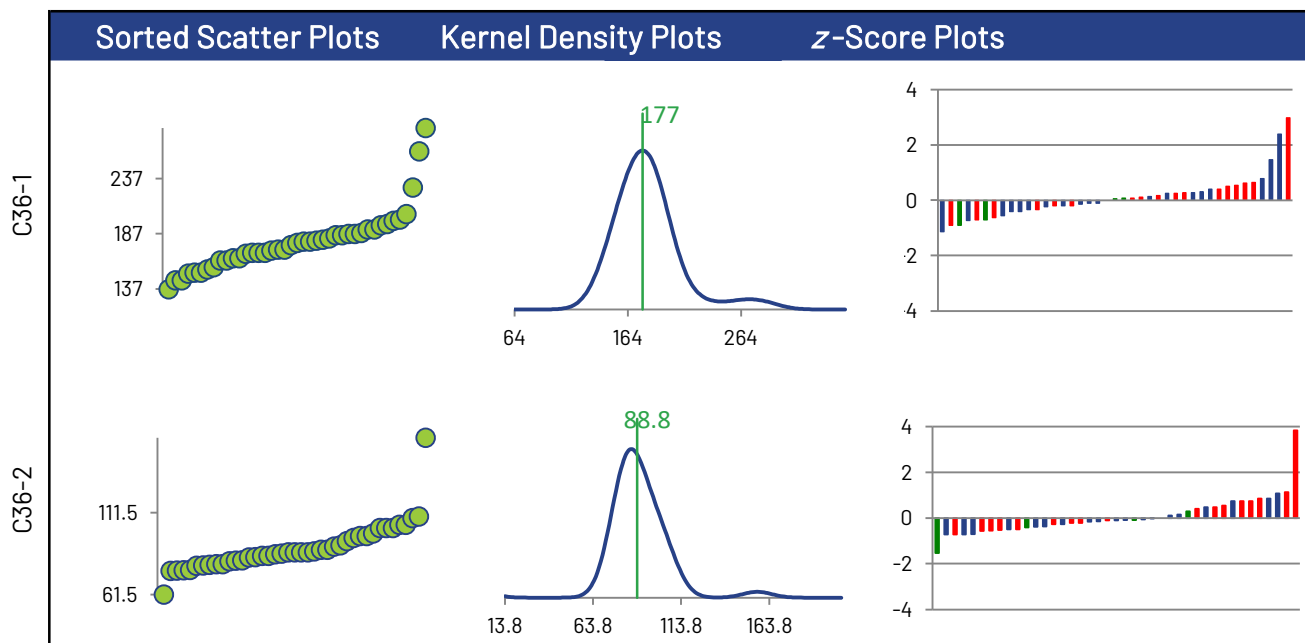
Summary Statistics

Statistic	C36-1	C36-2	C36-3	C36-4
No. of results used for summary statistics	41	41	41	41
Median µg/g	179	87.1	120	17.0
Robust Mean µg/g	177	88.8	121	17.1
Uncertainty of the Assigned Value µg/g	3.94	2.13	2.40	0.289
Robust Standard Deviation µg/g	20.2	10.9	12.3	1.48
Regression Standard Deviation µg/g	35.4	17.8	24.3	3.42
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) µg/g	35.4	17.8	24.3	3.42
Flagged Outliers	0	0	0	0
$ z > 3.0$	0	1	0	0
$2 < z < 3$	2	0	2	0
Failure Rate %*	2.4			

Methods Used

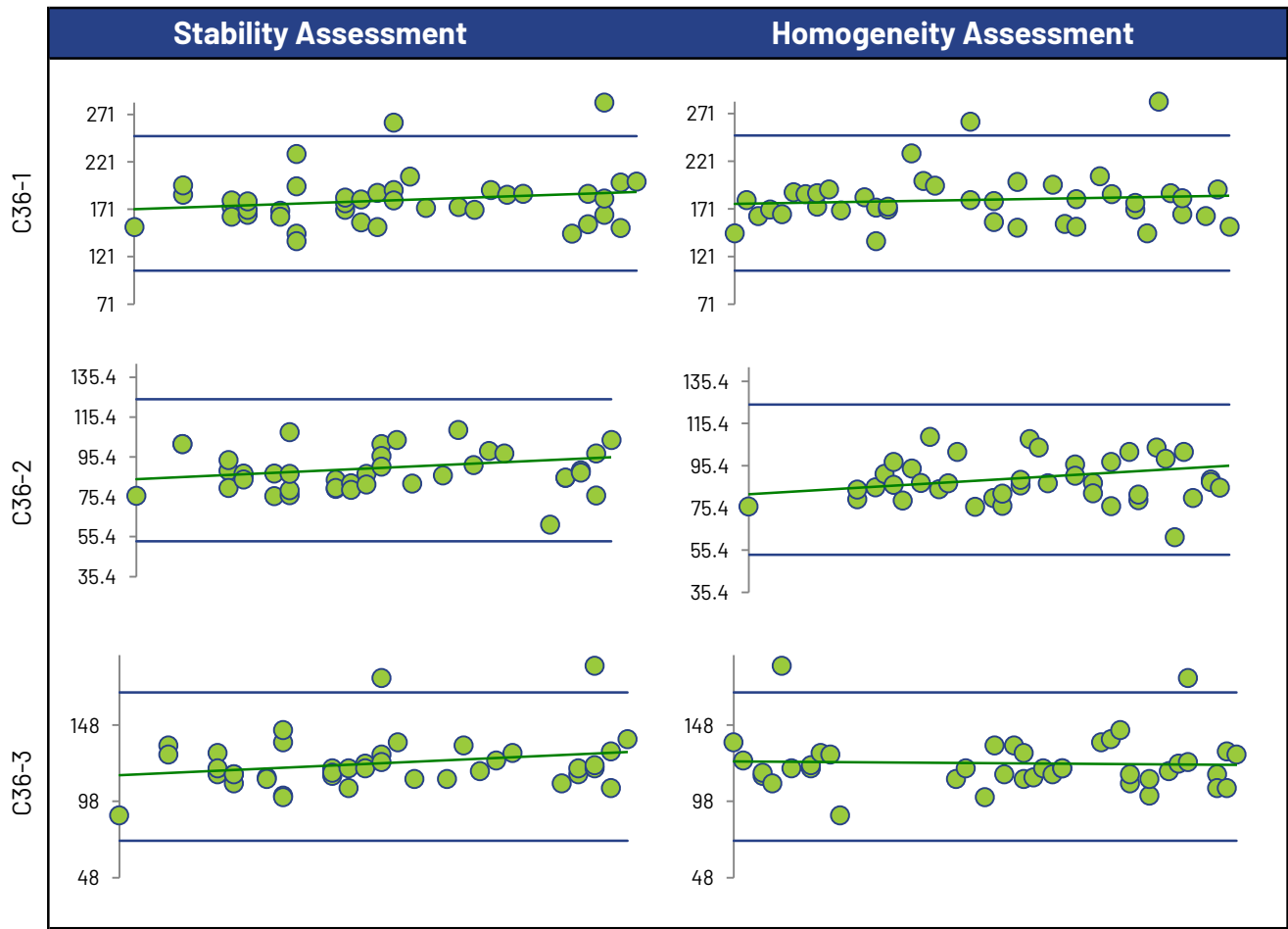
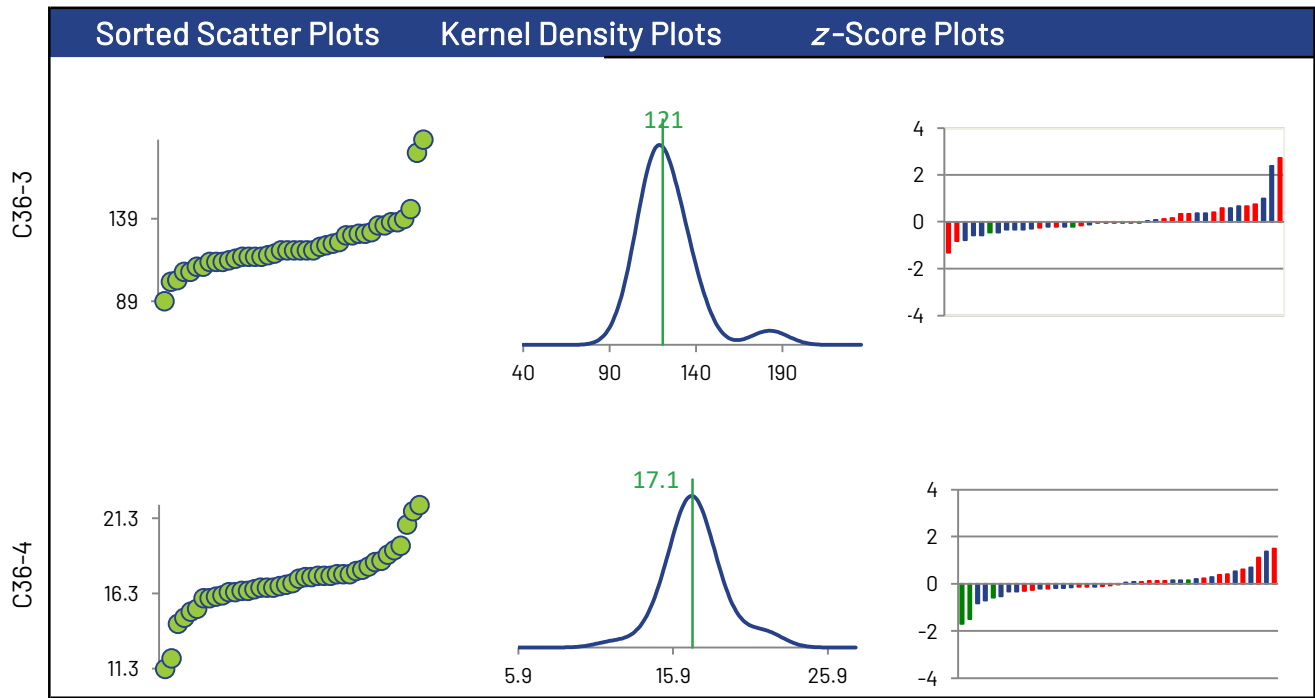
Method	C36-1	C36-2	C36-3	C36-4
GC/MS - HEADSPACE (Blue)	19	19	19	19
GC/MS - PURGE AND TRAP (Red)	18	18	18	18
GC/MS (Green)	4	4	4	4

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

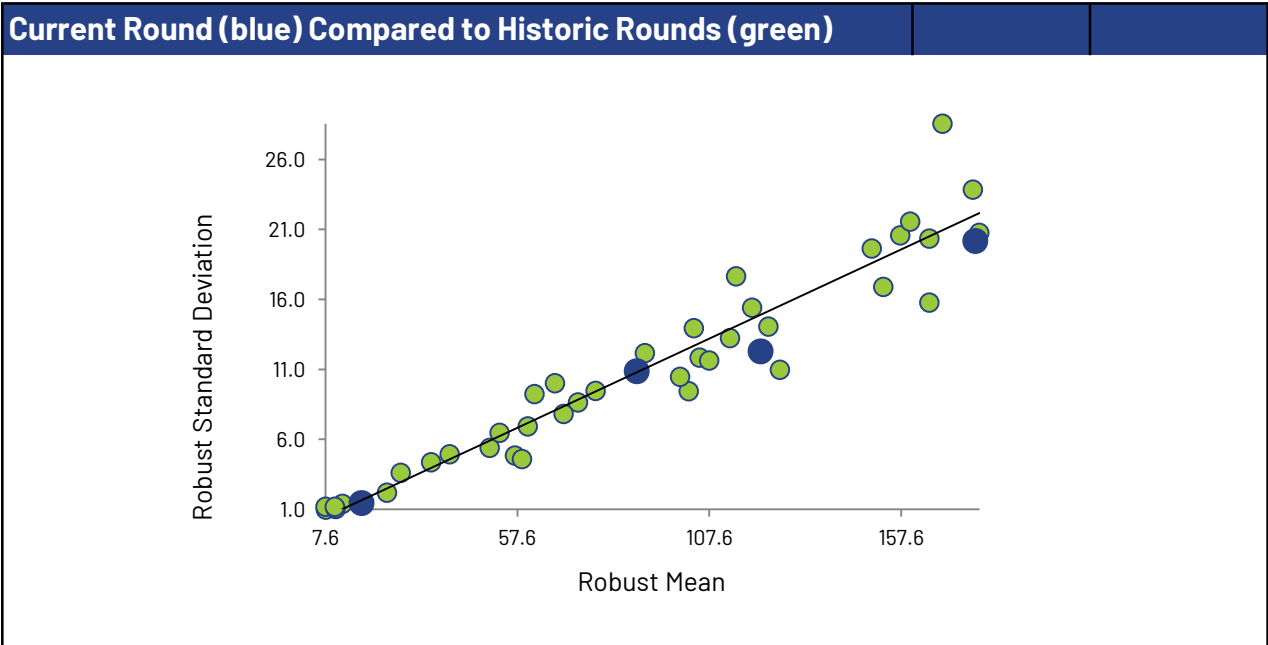
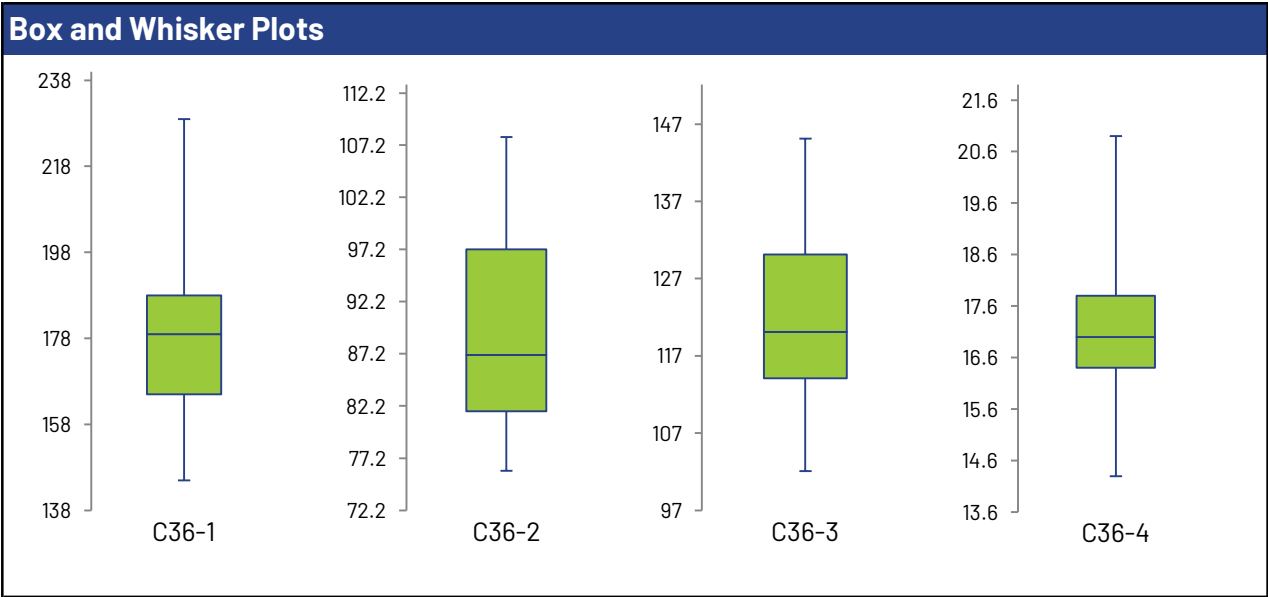
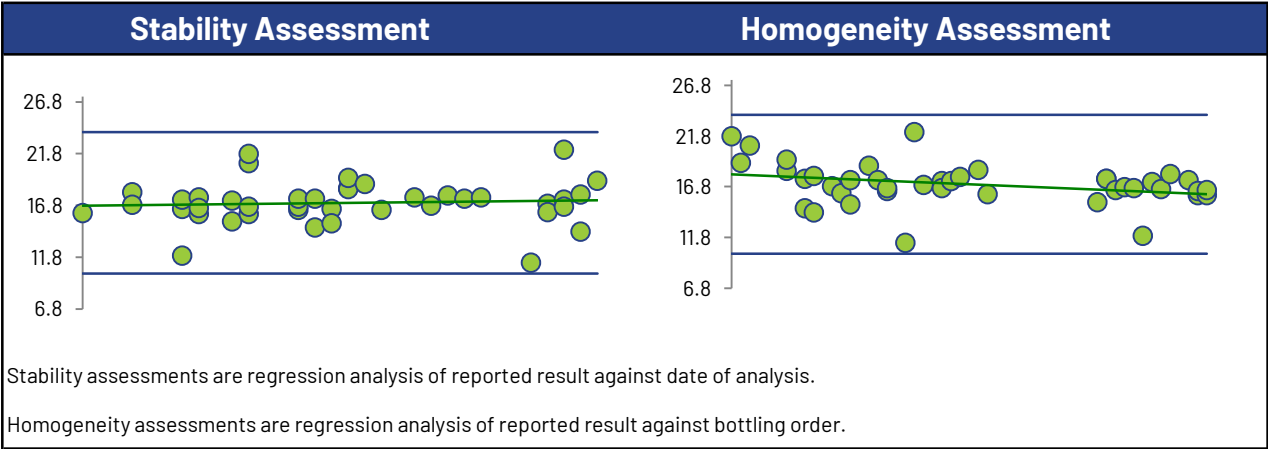


* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

Methyl t-butyl ether



Methyl t-butyl ether



o-xylene

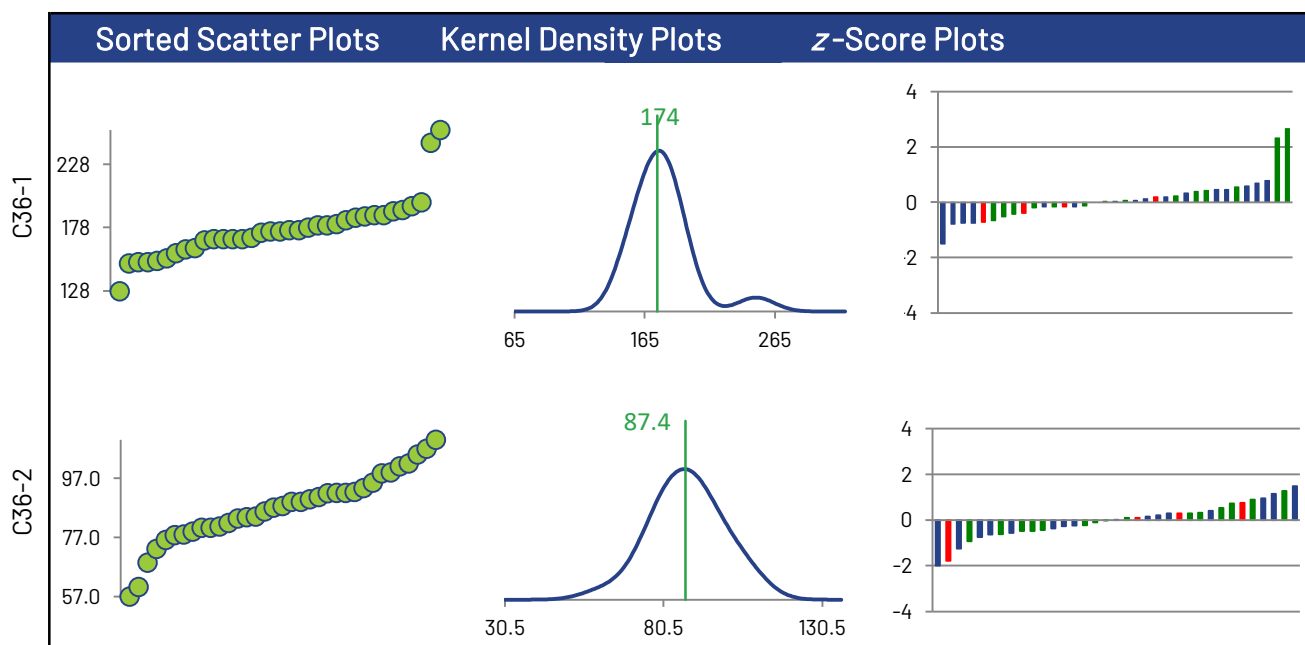
Summary Statistics

Statistic	C36-1	C36-2	C36-3	C36-4
No. of results used for summary statistics	35	35	35	35
Median µg/g	175	87.6	120	17.0
Robust Mean µg/g	174	87.4	121	16.9
Uncertainty of the Assigned Value µg/g	3.63	2.41	2.94	0.444
Robust Standard Deviation µg/g	17.2	11.4	13.9	2.10
Regression Standard Deviation µg/g	30.5	15.3	21.2	2.96
Stability Flag				Stability
Homogeneity Flag				
Standard Deviation Used (SDPA) µg/g	30.5	15.3	21.2	2.97
Flagged Outliers	0	0	0	0
$ z > 3.0$	0	0	0	0
$2 < z < 3$	2	0	1	1
Failure Rate %*	0.0			

Methods Used

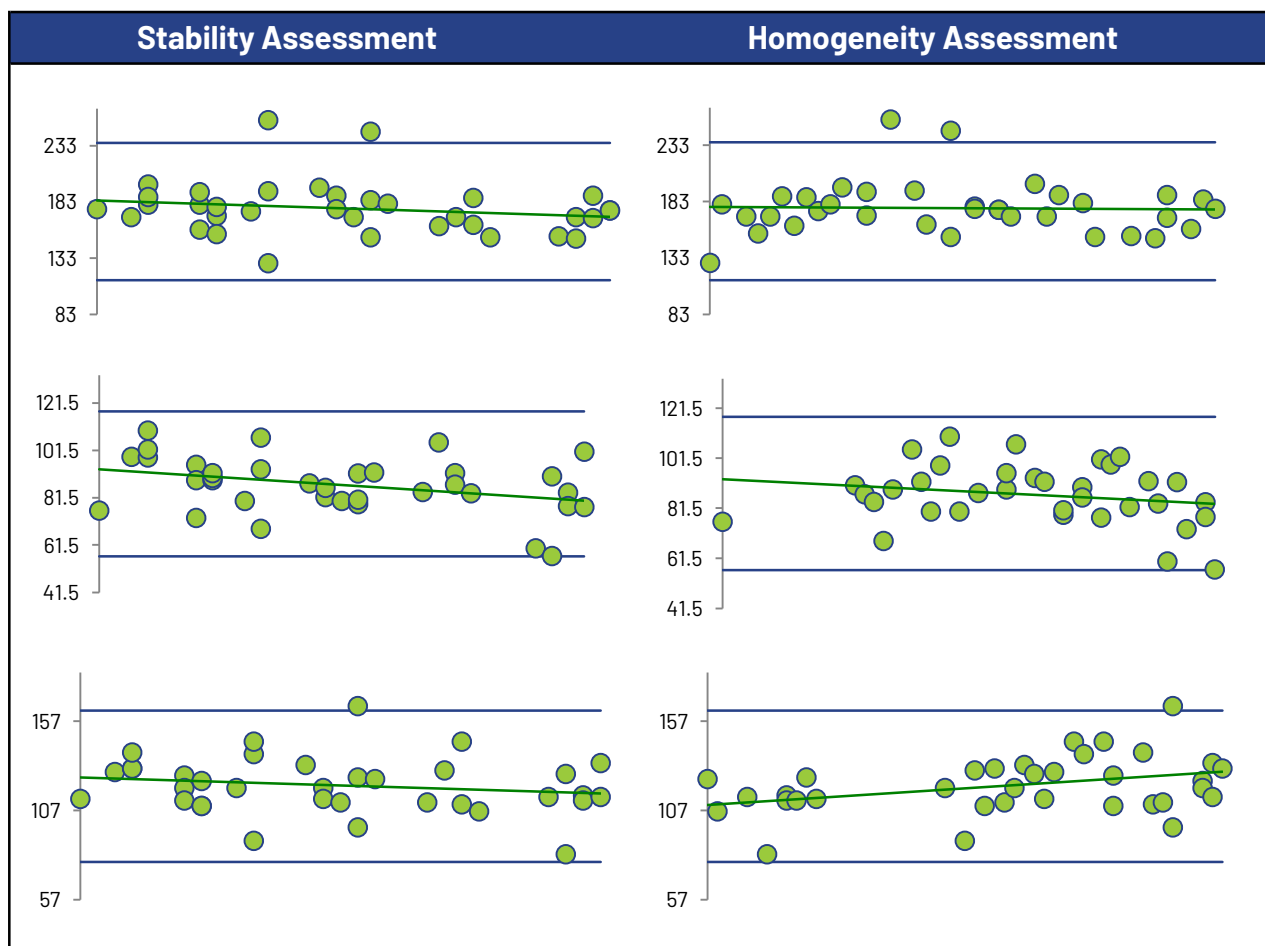
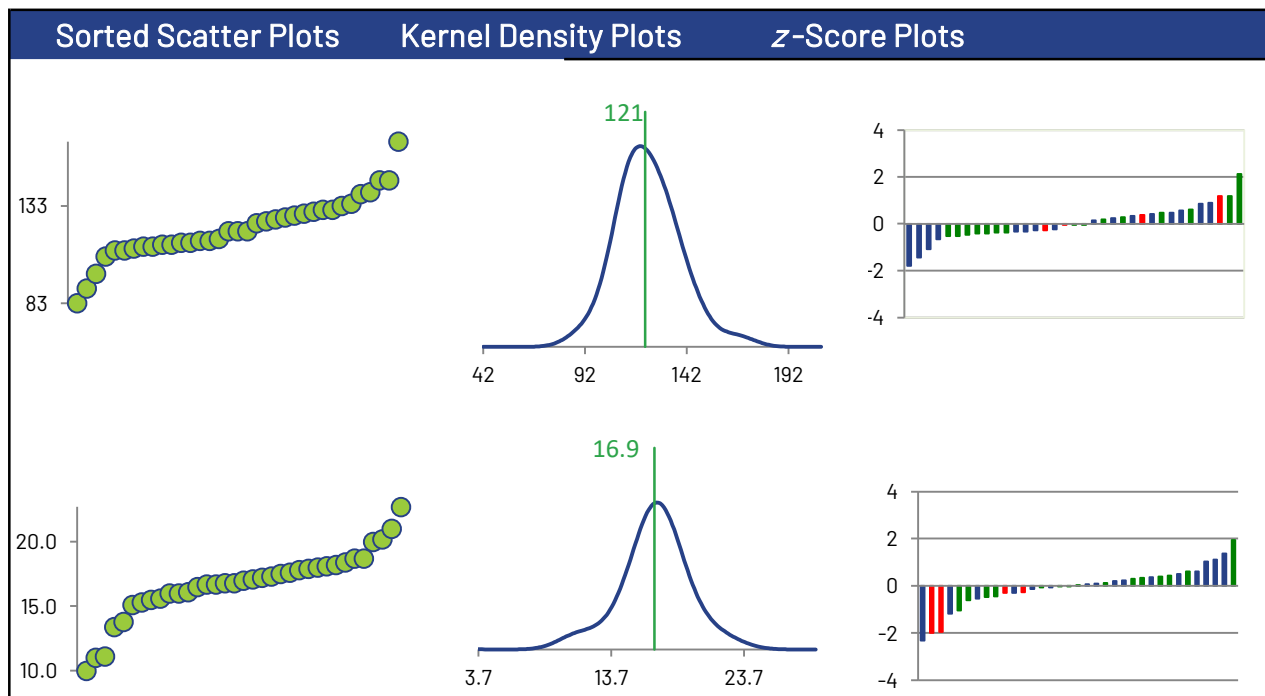
Method	C36-1	C36-2	C36-3	C36-4
GC/MS - PURGE AND TRAP (Blue)	16	16	16	16
GC/MS (Red)	4	4	4	4
GC/MS - HEADSPACE (Green)	15	15	15	15

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

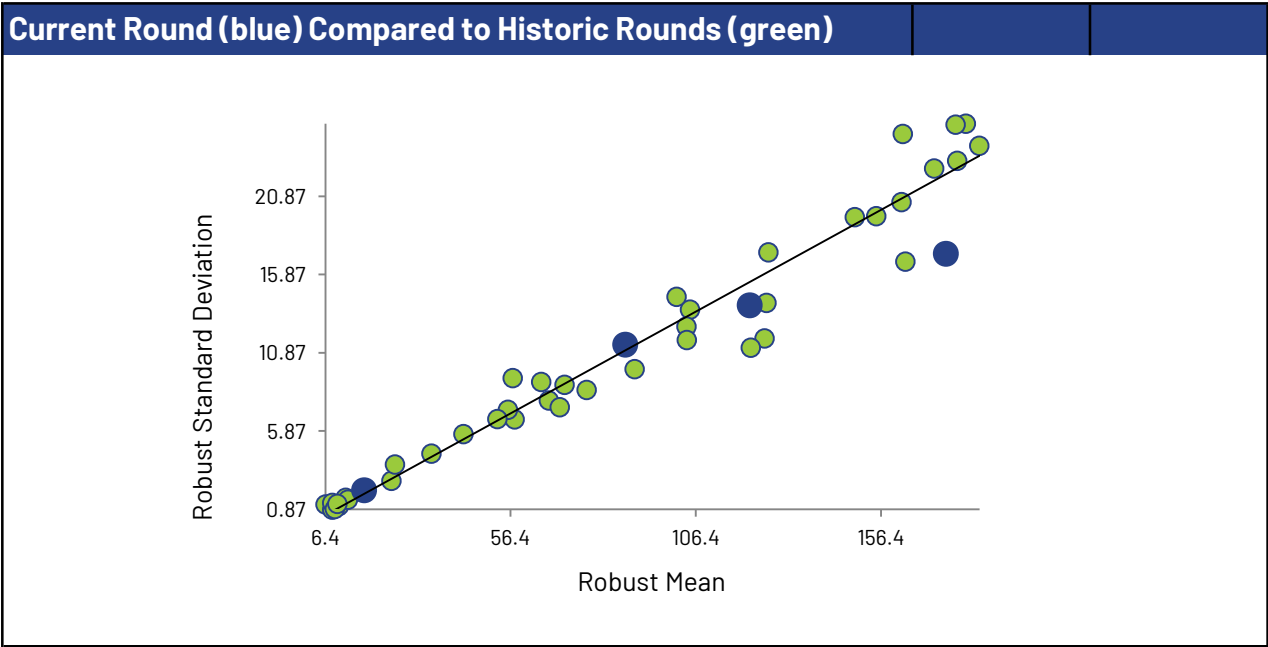
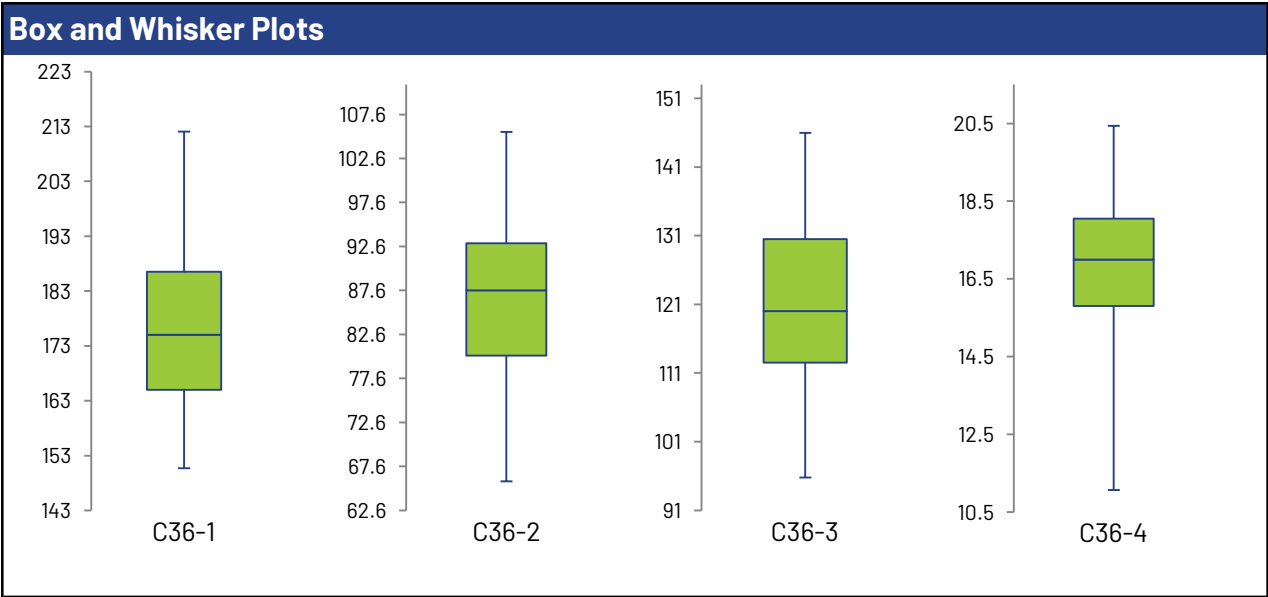
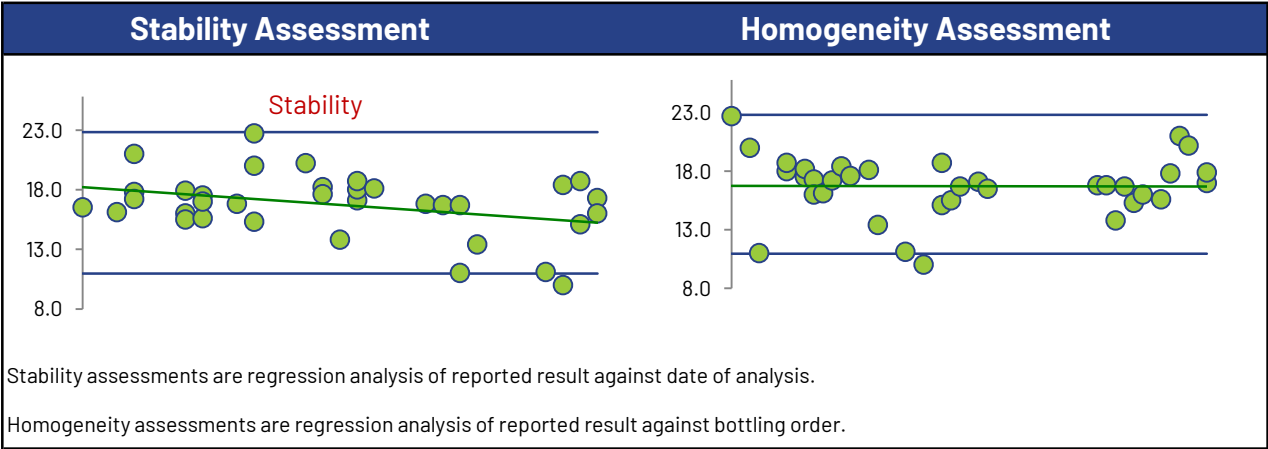


* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

o-xylene



o-xylene



Styrene

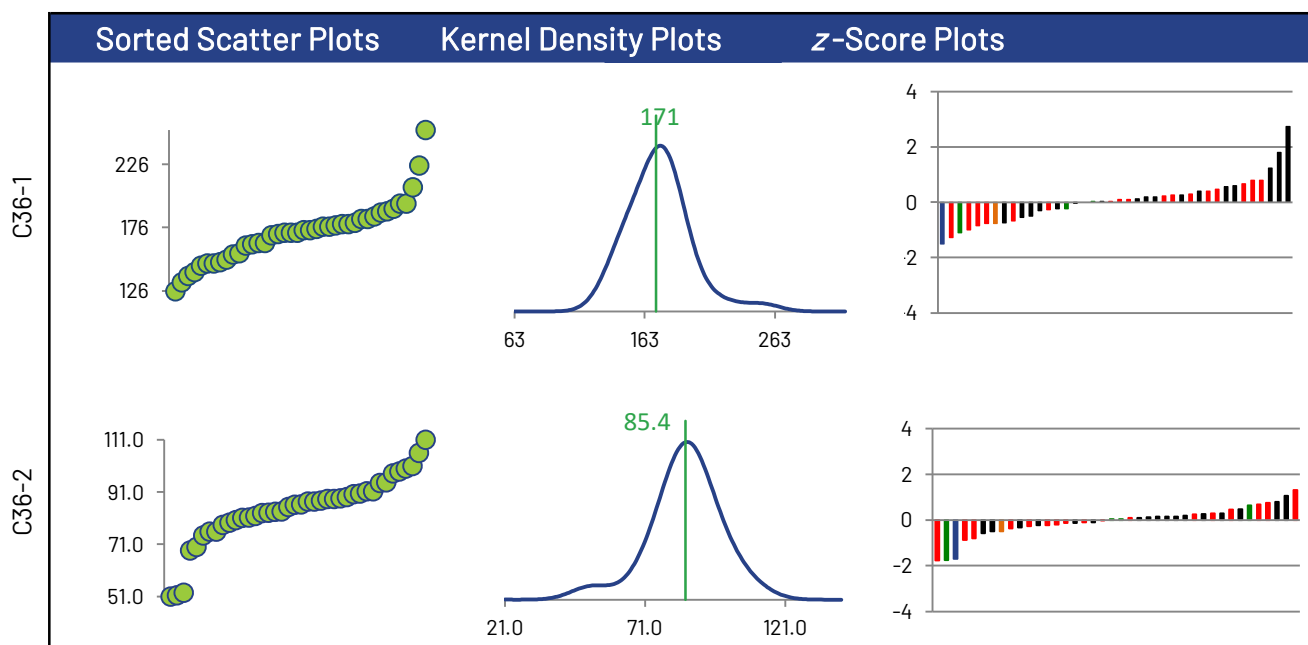
Summary Statistics

Statistic	C36-1	C36-2	C36-3	C36-4
No. of results used for summary statistics	40	40	40	39
Median µg/g	173	86.2	117	15.9
Robust Mean µg/g	171	85.4	118	16.1
Uncertainty of the Assigned Value µg/g	4.09	2.08	3.02	0.414
Robust Standard Deviation µg/g	20.7	10.5	15.3	2.07
Regression Standard Deviation µg/g	29.9	14.9	20.6	2.82
Stability Flag				
Homogeneity Flag		Homogeneity	Homogeneity	
Standard Deviation Used (SDPA) µg/g	29.9	19.4	21.0	2.82
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

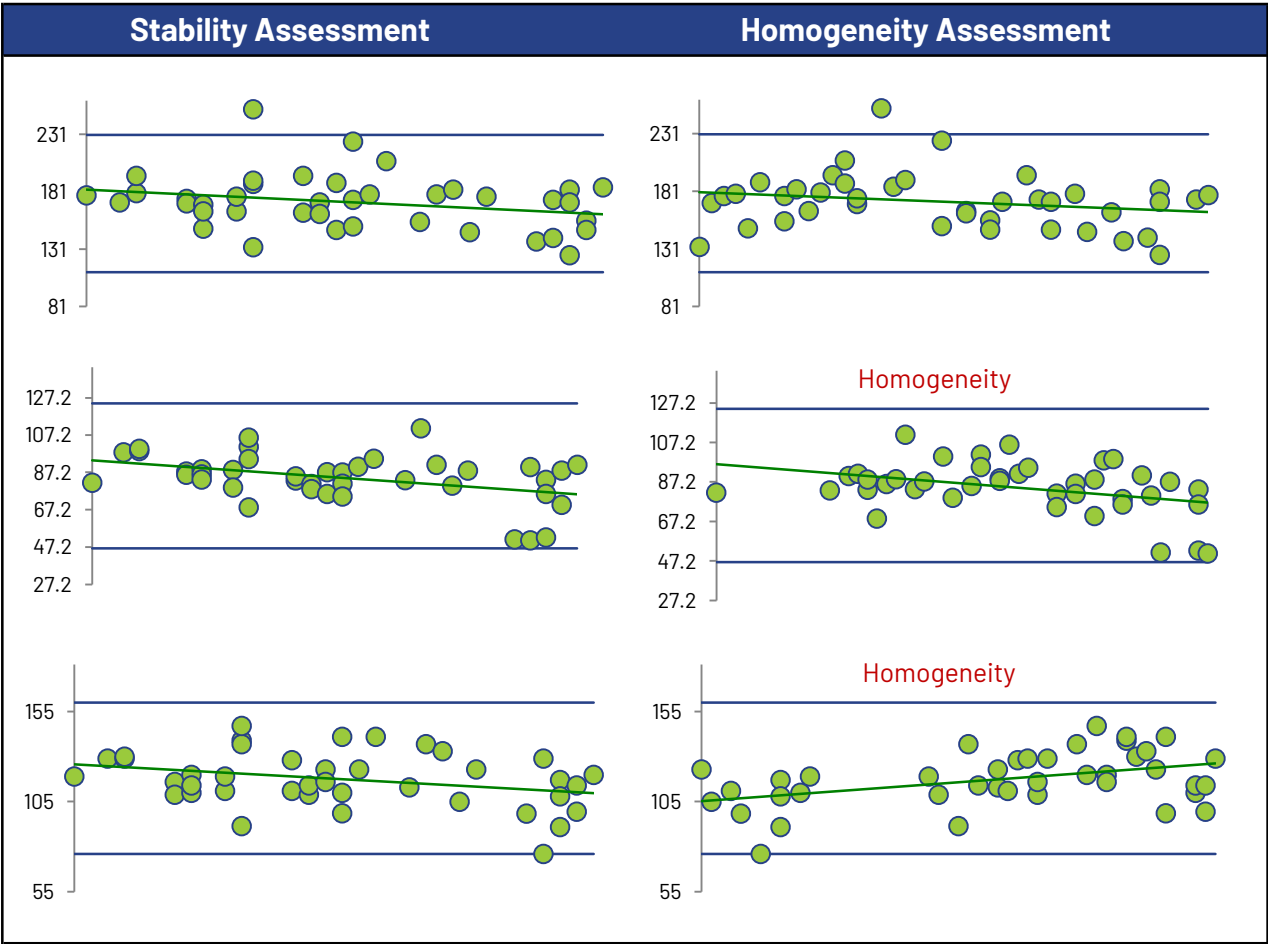
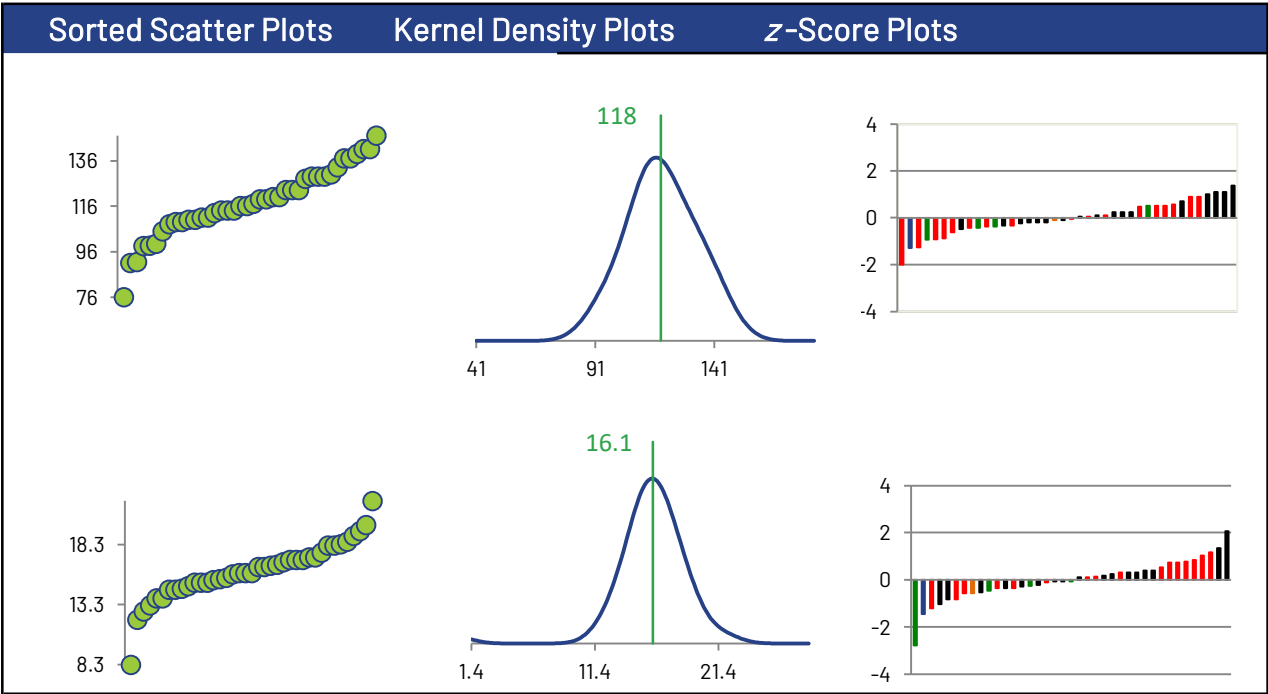
Method	C36-1	C36-2	C36-3	C36-4
GC/PID - HEADSPACE (Blue)	1	1	1	1
GC/MS - PURGE AND TRAP (Red)	17	17	17	16
GC/MS (Green)	4	4	4	4
GC/MS/FID (Orange)	1	1	1	1
GC/MS - HEADSPACE (Black)	17	17	17	17

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

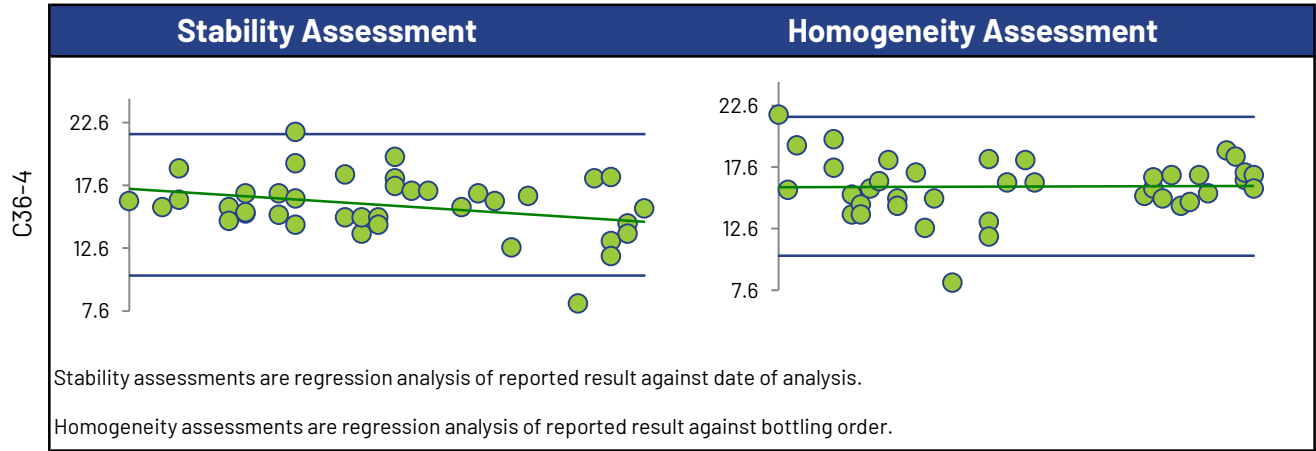


* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

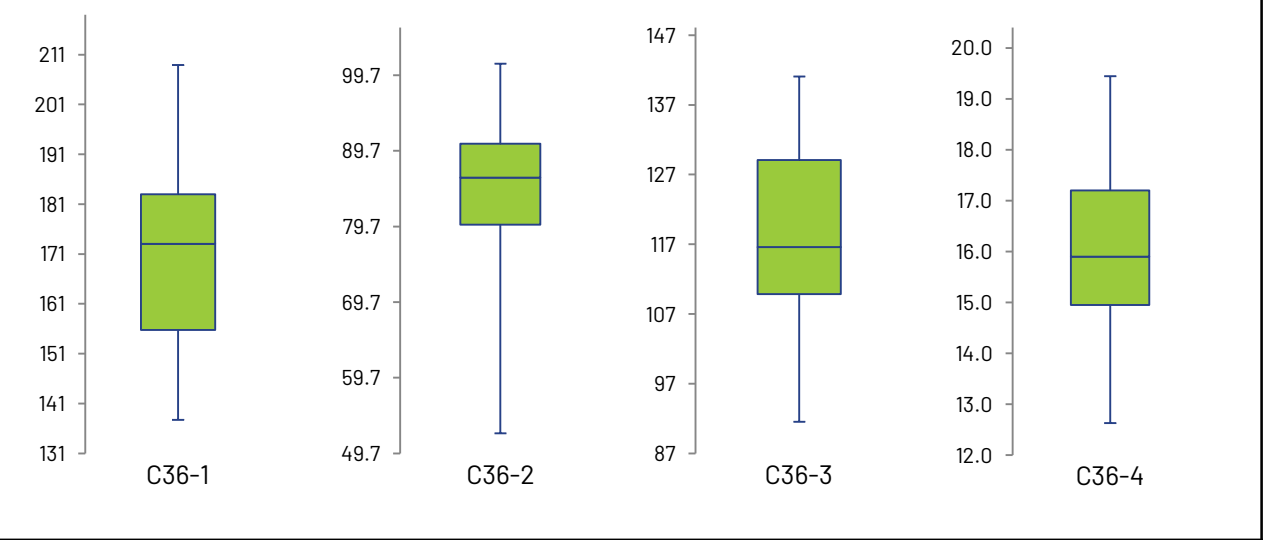
Styrene



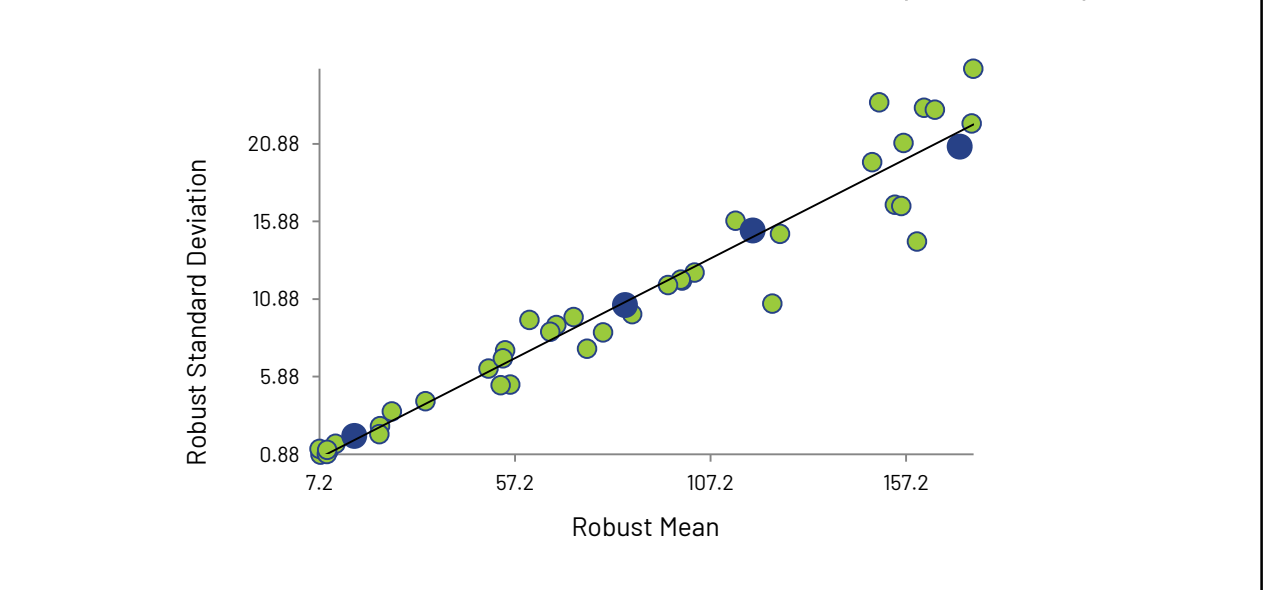
Styrene



Box and Whisker Plots



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



Tetrachloroethylene

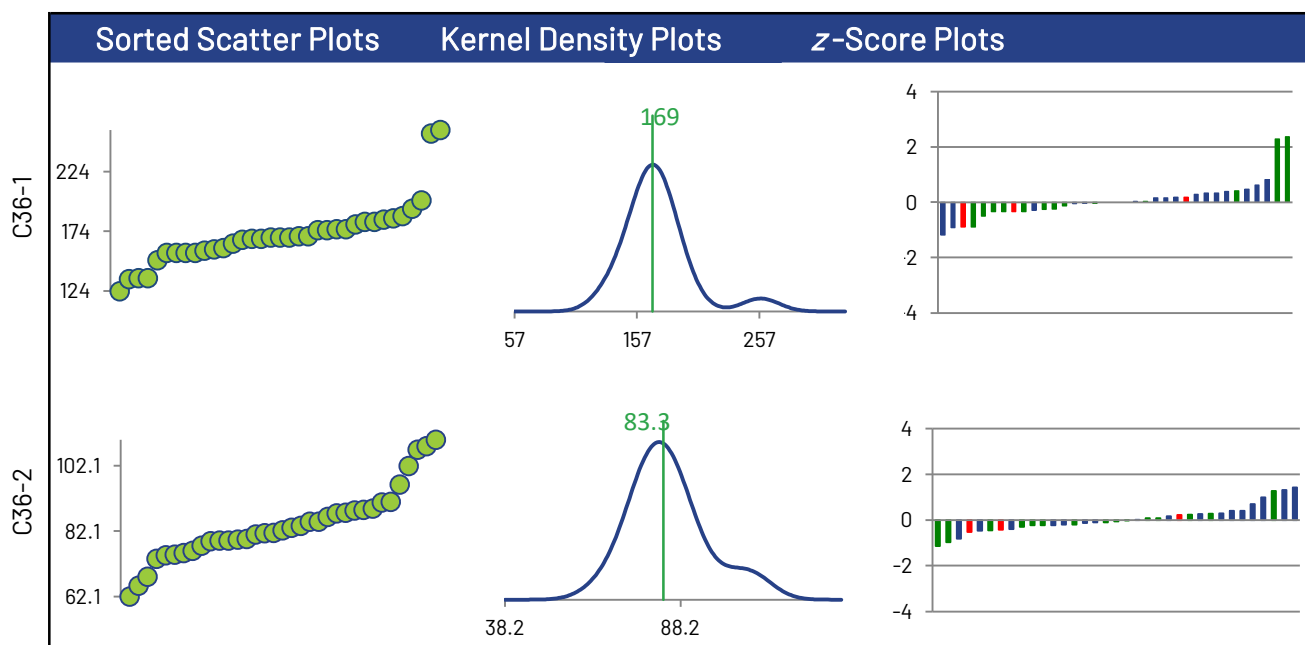
Summary Statistics

Statistic	C36-1	C36-2	C36-3	C36-4
No. of results used for summary statistics	35	35	35	35
Median µg/g	169	82.3	114	16.8
Robust Mean µg/g	169	83.3	115	16.6
Uncertainty of the Assigned Value µg/g	3.76	1.94	2.94	0.279
Robust Standard Deviation µg/g	17.8	9.18	13.9	1.32
Regression Standard Deviation µg/g	38.0	18.7	25.8	3.73
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) µg/g	38.0	18.7	25.8	3.73
Flagged Outliers	0	0	0	0
$ z > 3.0$	0	0	0	0
$2 < z < 3$	2	0	0	0
Failure Rate %*	0.0			

Methods Used

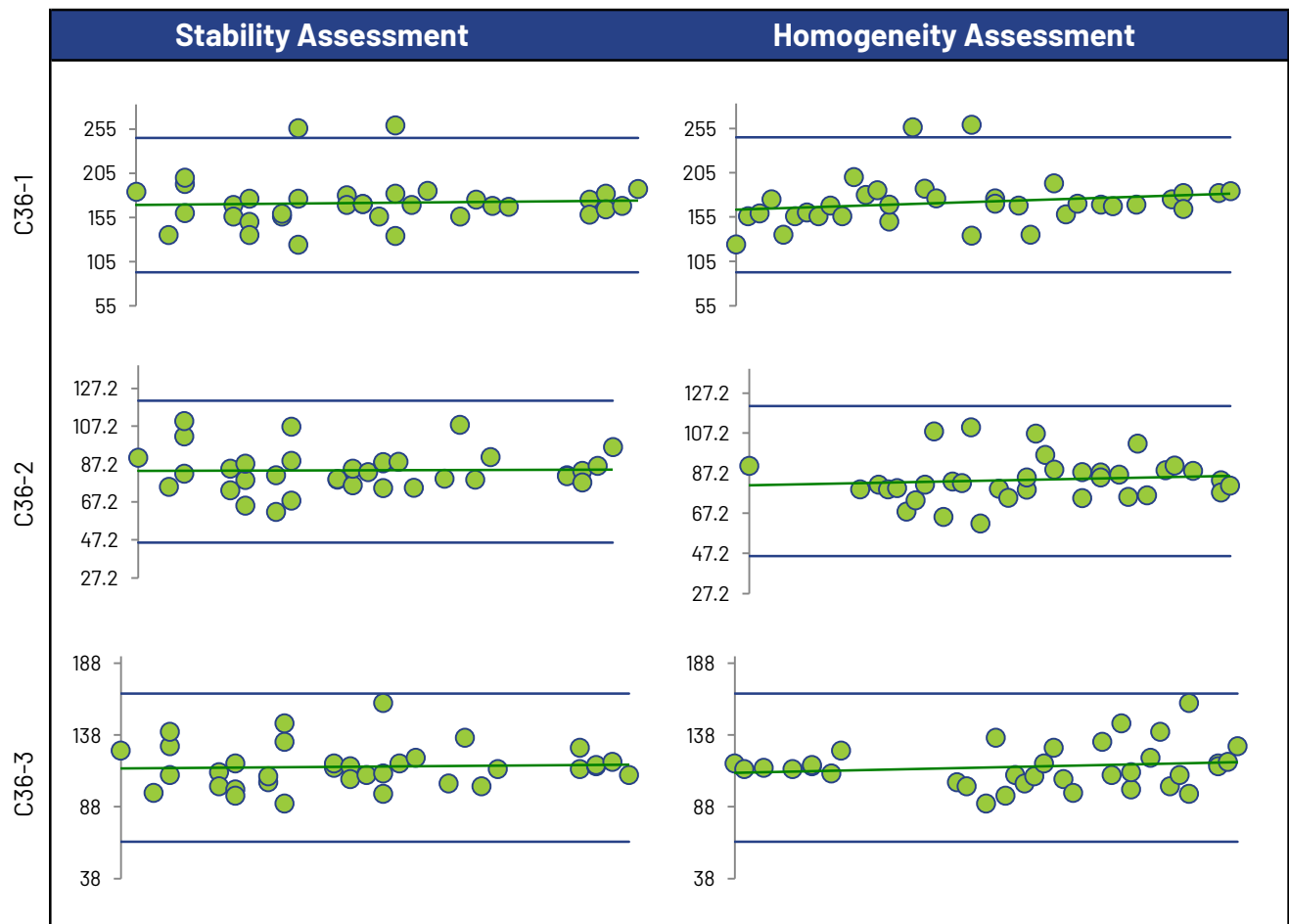
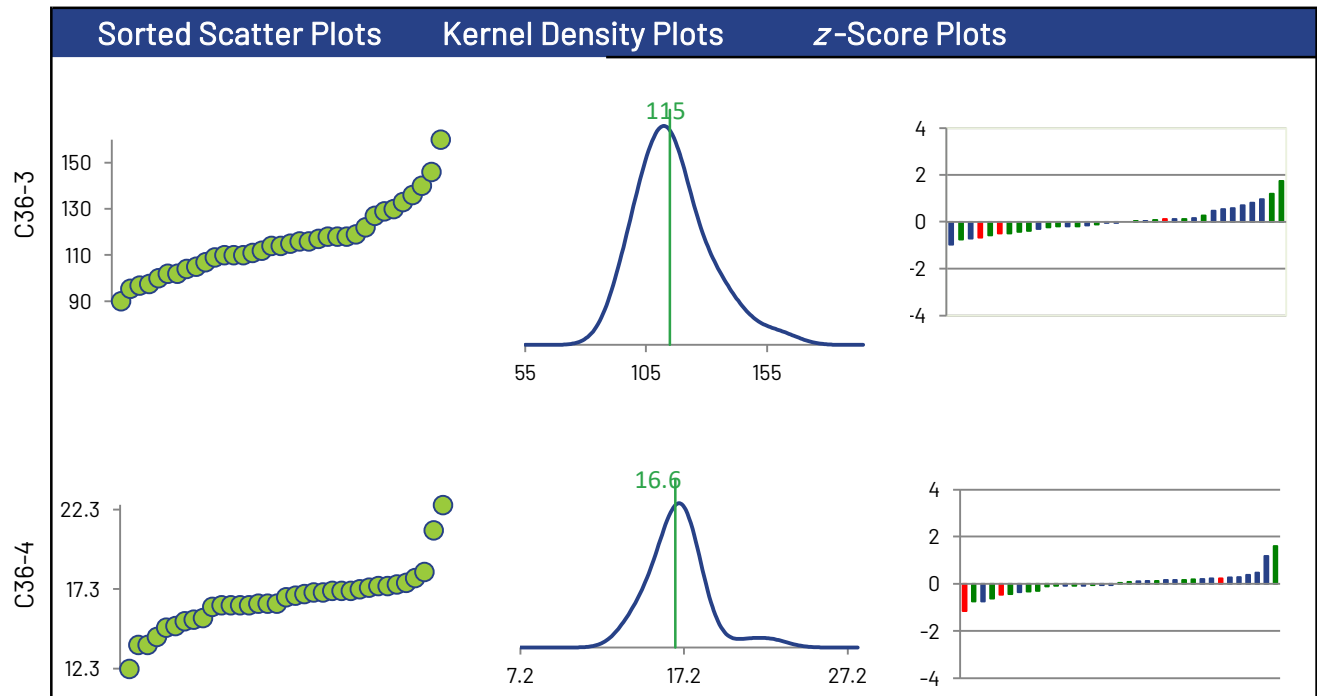
Method	C36-1	C36-2	C36-3	C36-4
GC/MS - PURGE AND TRAP (Blue)	17	17	17	17
GC/MS (Red)	3	3	3	3
GC/MS - HEADSPACE (Green)	15	15	15	15

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

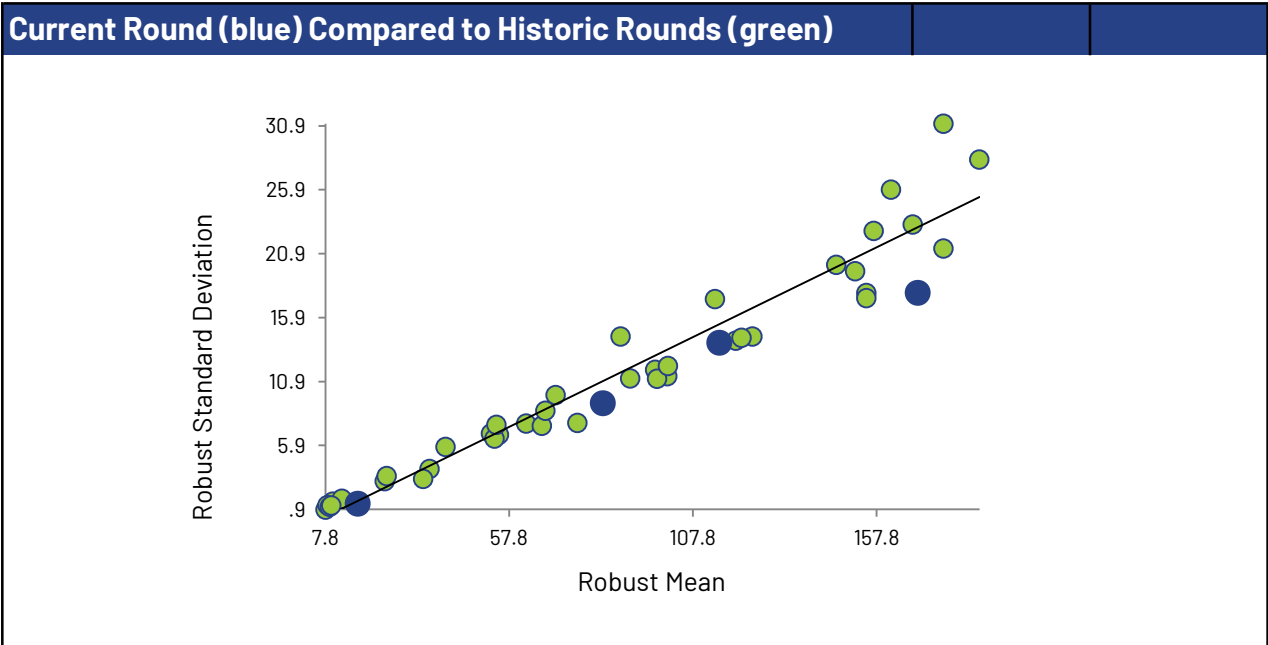
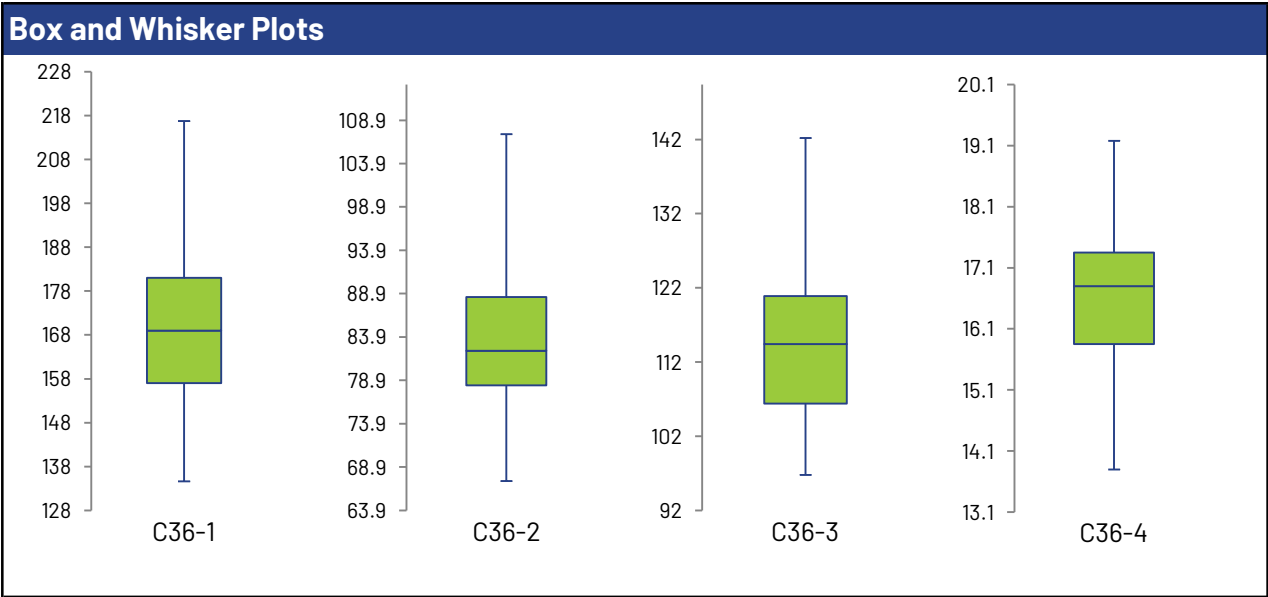
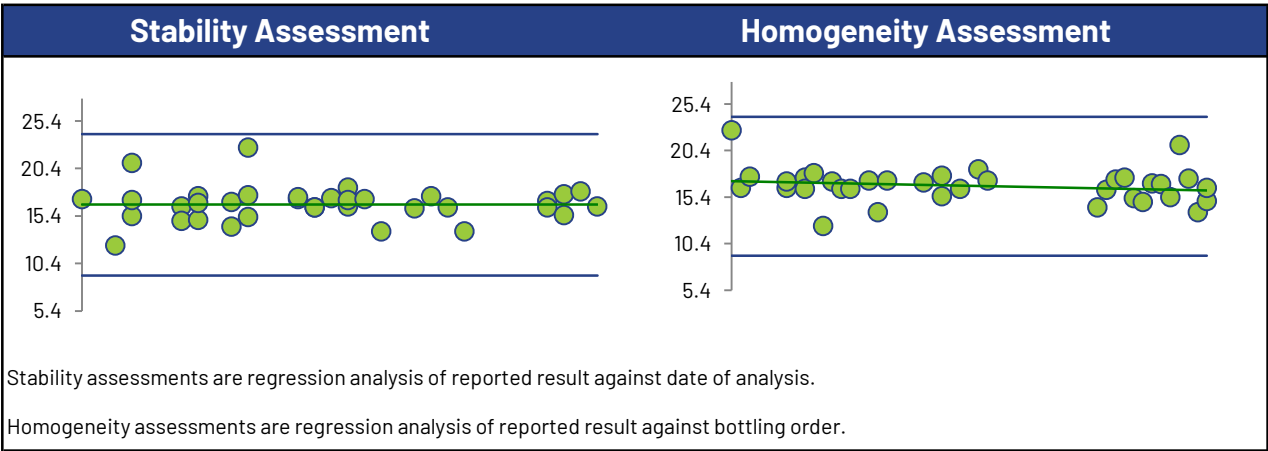


* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

Tetrachloroethylene



Tetrachloroethylene



Toluene

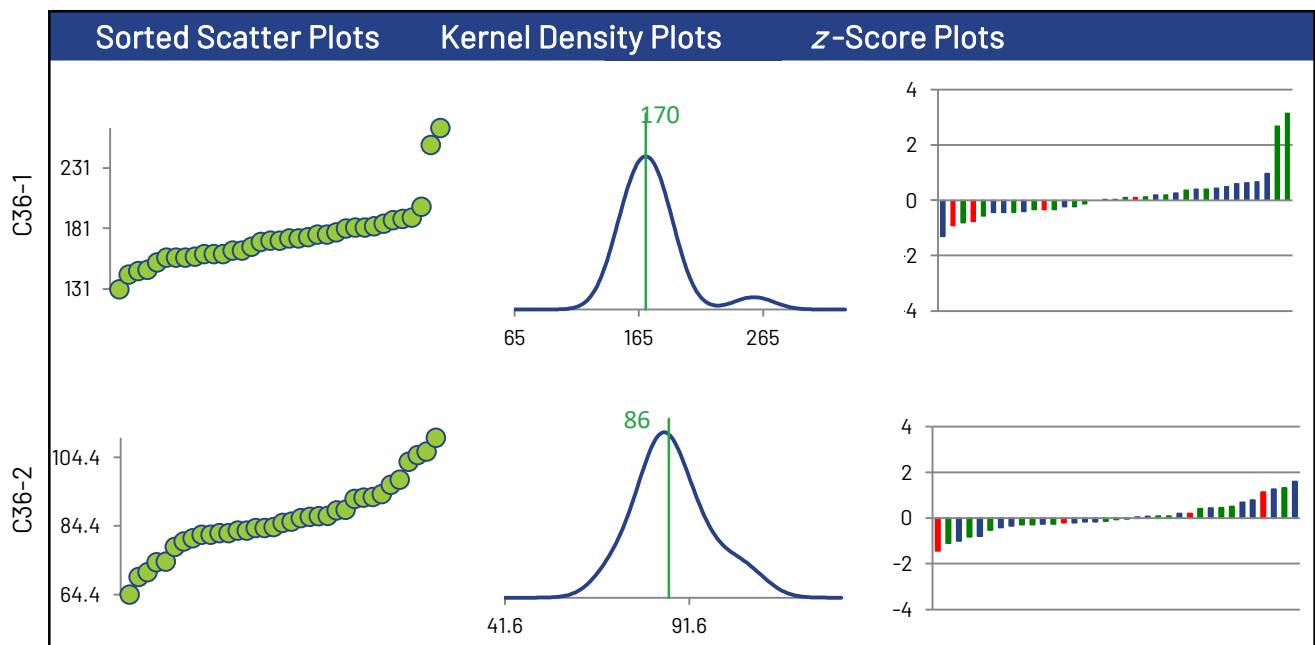
Summary Statistics

Statistic	C36-1	C36-2	C36-3	C36-4
No. of results used for summary statistics	35	35	35	35
Median µg/g	171	85.2	118	16.8
Robust Mean µg/g	170	86.0	120	16.5
Uncertainty of the Assigned Value µg/g	3.66	2.01	2.26	0.334
Robust Standard Deviation µg/g	17.3	9.53	10.7	1.58
Regression Standard Deviation µg/g	29.8	15.1	20.9	2.89
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) µg/g	29.8	15.1	20.9	2.89
Flagged Outliers	0	0	0	0
z >3.0	1	0	0	0
2< z <3	1	0	0	1
Failure Rate %*	0.0			

Methods Used

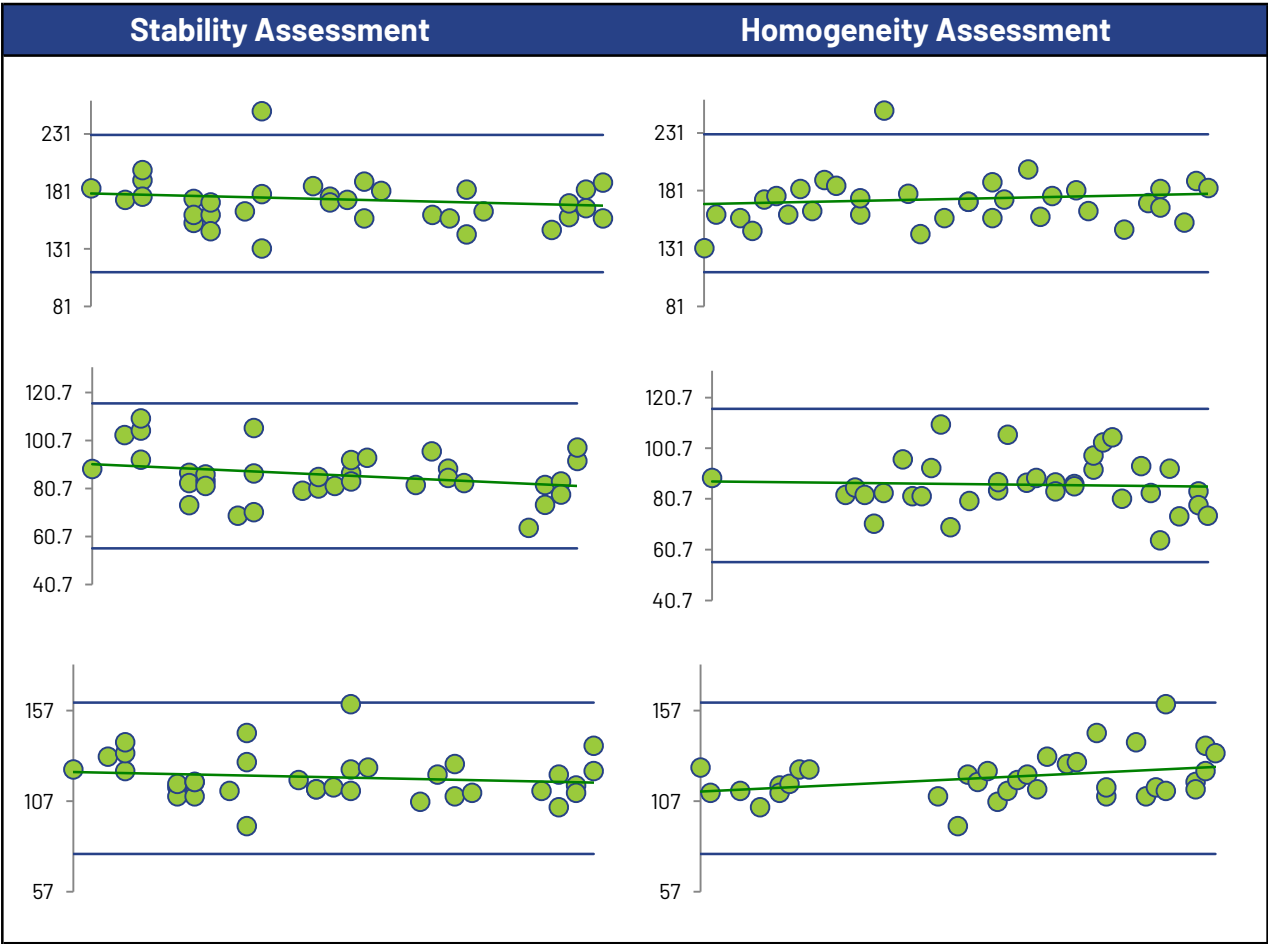
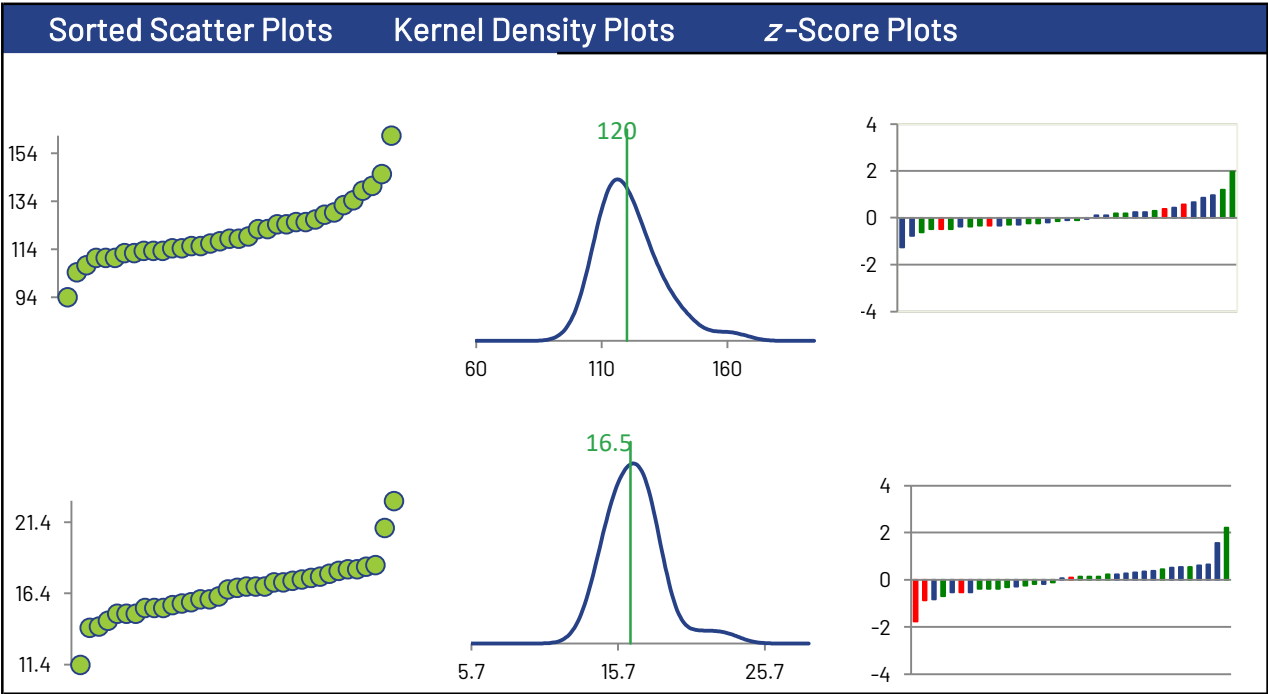
Method	C36-1	C36-2	C36-3	C36-4
GC/MS - PURGE AND TRAP (Blue)	16	16	16	16
GC/MS (Red)	4	4	4	4
GC/MS - HEADSPACE (Green)	15	15	15	15

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

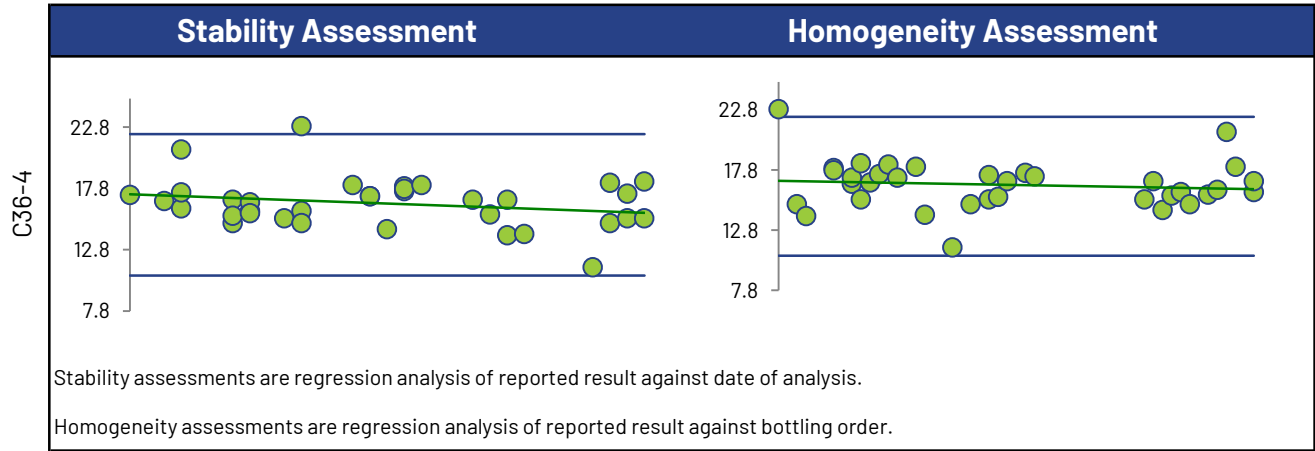


* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

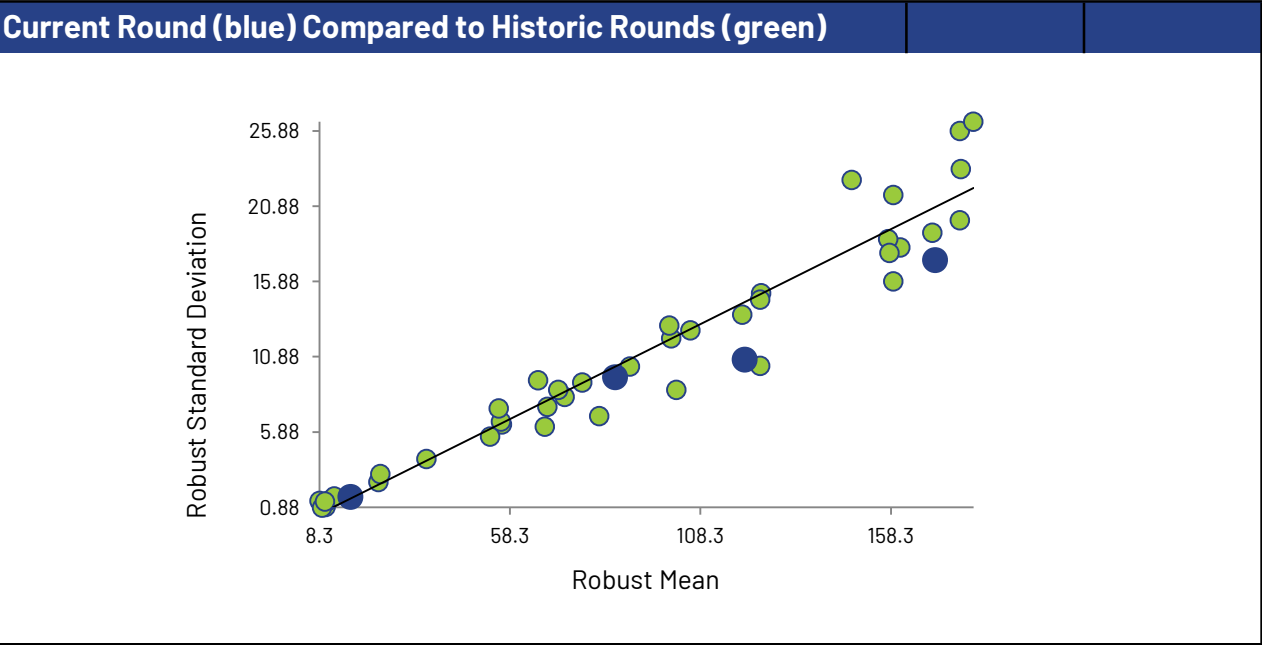
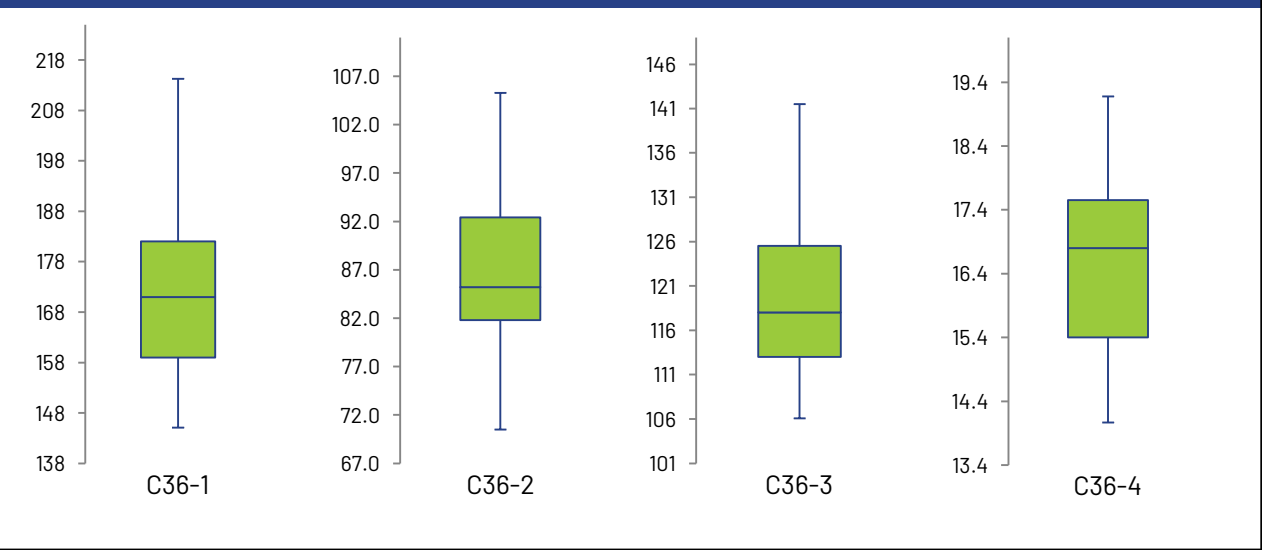
Toluene



Toluene



Box and Whisker Plots



trans-1,2-Dichloroethylene

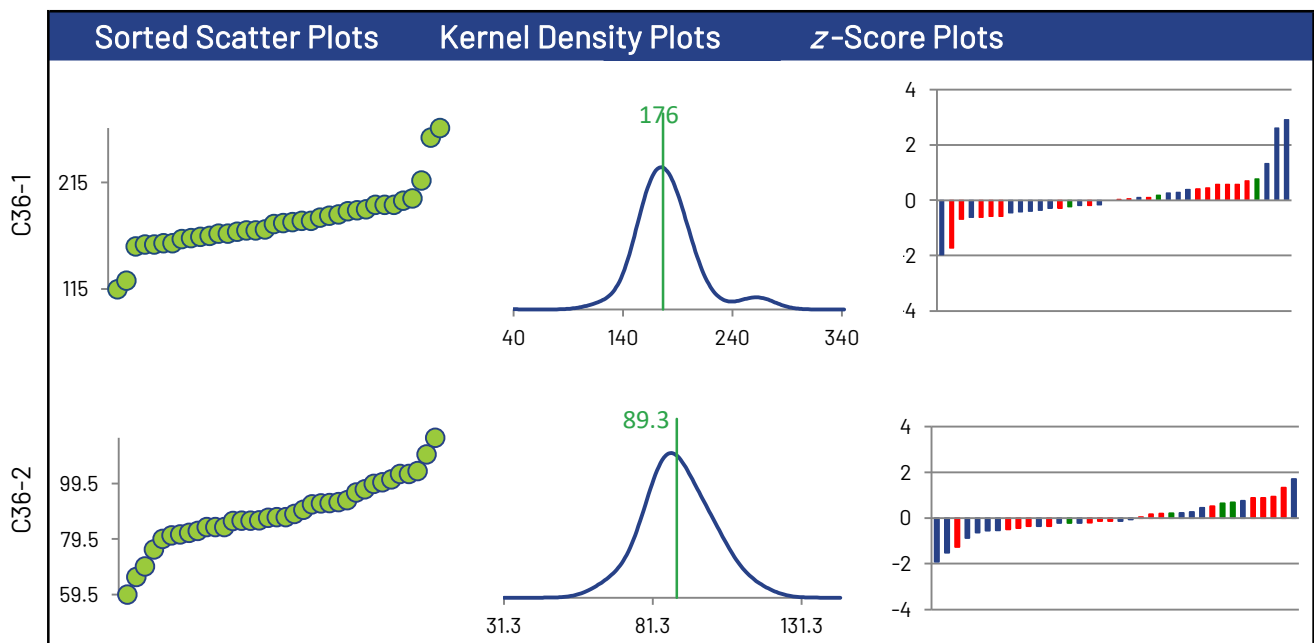
Summary Statistics

Statistic	C36-1	C36-2	C36-3	C36-4
No. of results used for summary statistics	36	36	36	36
Median µg/g	177	87.4	120	17.3
Robust Mean µg/g	176	89.3	122	17.4
Uncertainty of the Assigned Value µg/g	3.88	2.21	3.08	0.440
Robust Standard Deviation µg/g	18.6	10.6	14.8	2.11
Regression Standard Deviation µg/g	30.9	15.6	21.4	3.04
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) µg/g	30.9	15.6	21.4	3.04
Flagged Outliers	0	0	0	0
z >3.0	0	0	0	0
2< z <3	2	0	1	1
Failure Rate %*	2.8			

Methods Used

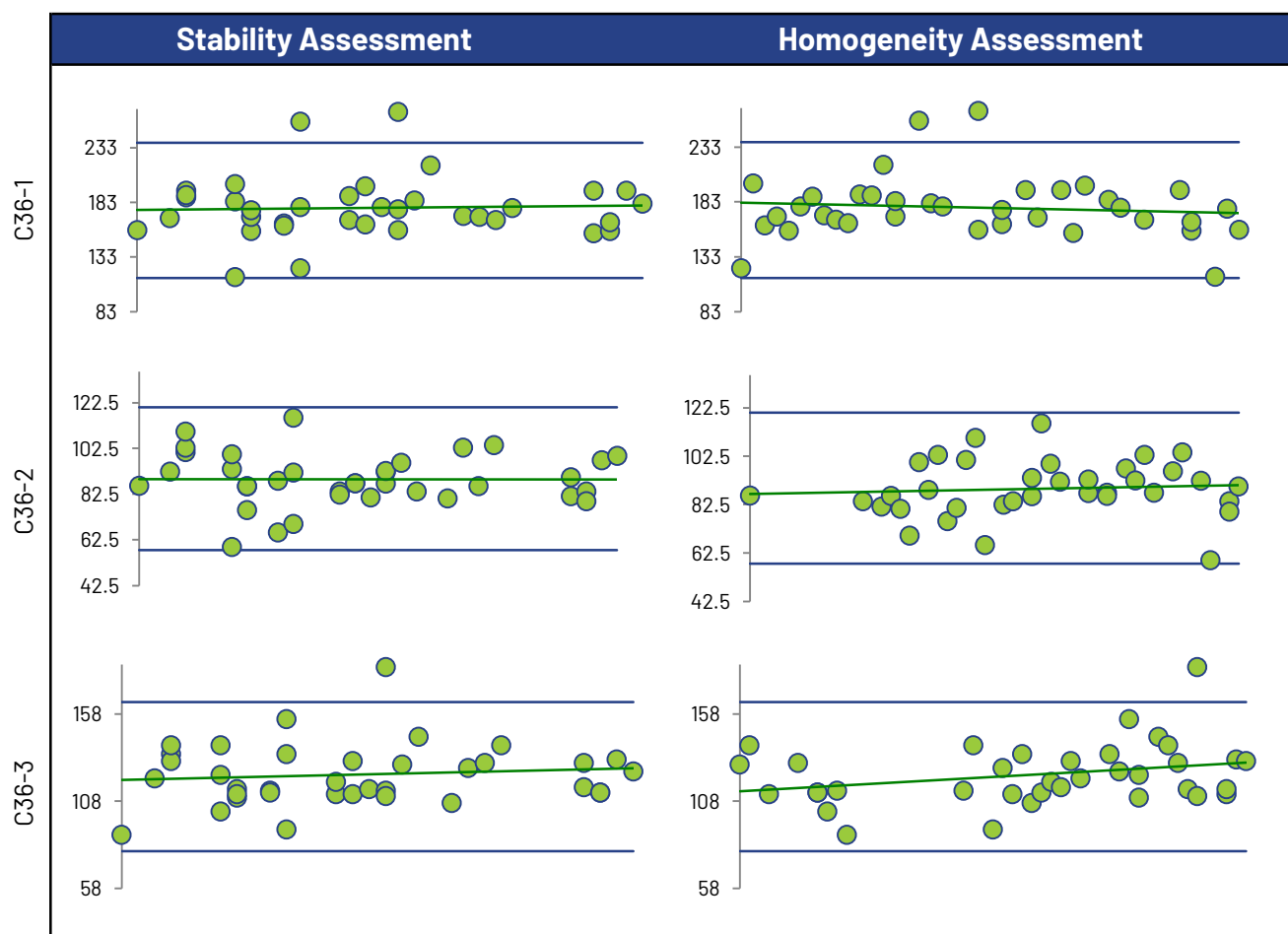
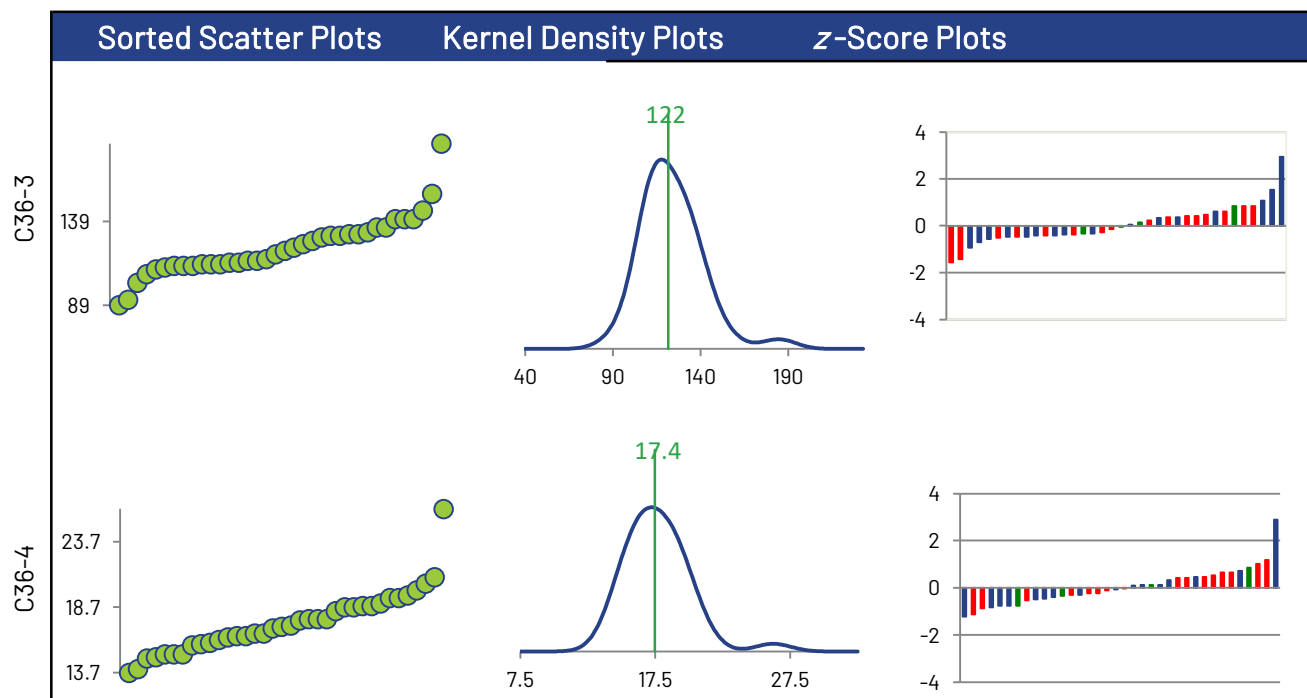
Method	C36-1	C36-2	C36-3	C36-4
GC/MS - HEADSPACE (Blue)	16	16	16	16
GC/MS - PURGE AND TRAP (Red)	16	16	16	16
GC/MS (Green)	4	4	4	4

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

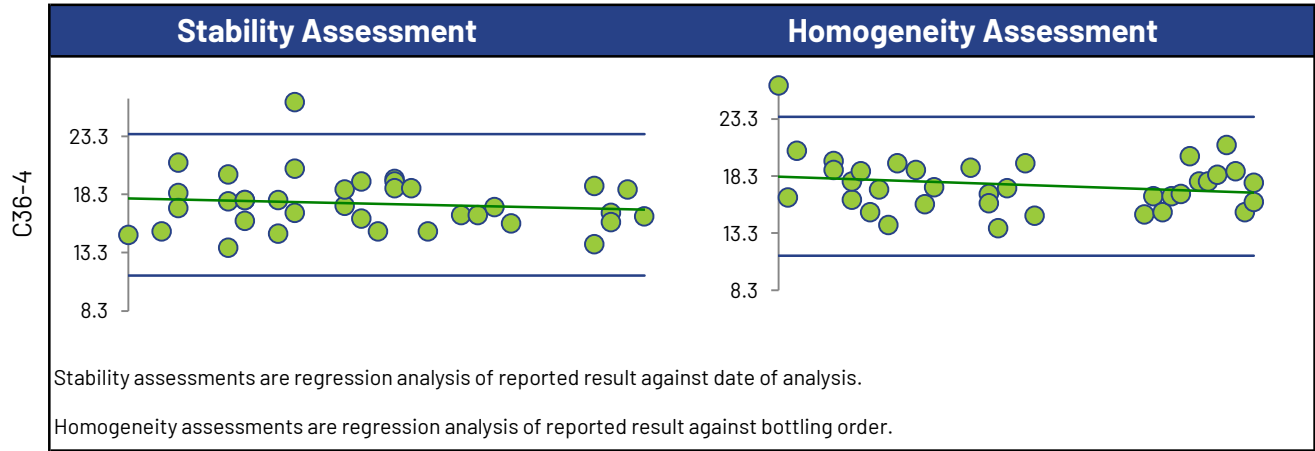


* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

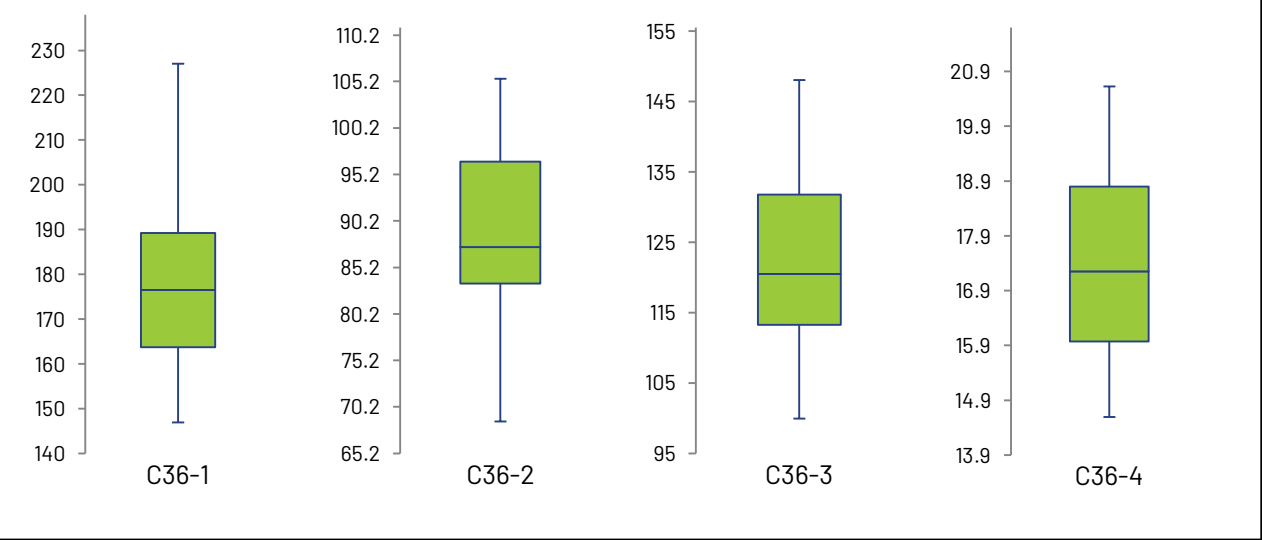
trans-1,2-Dichloroethylene



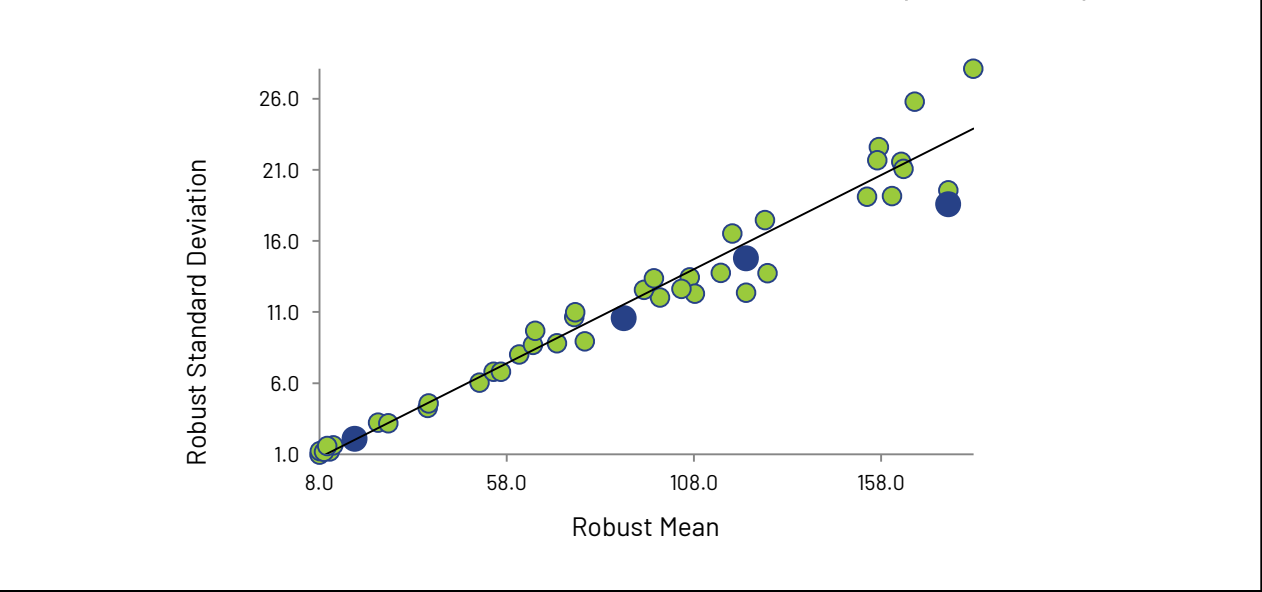
trans-1,2-Dichloroethylene



Box and Whisker Plots



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



trans-1,3-Dichloropropene

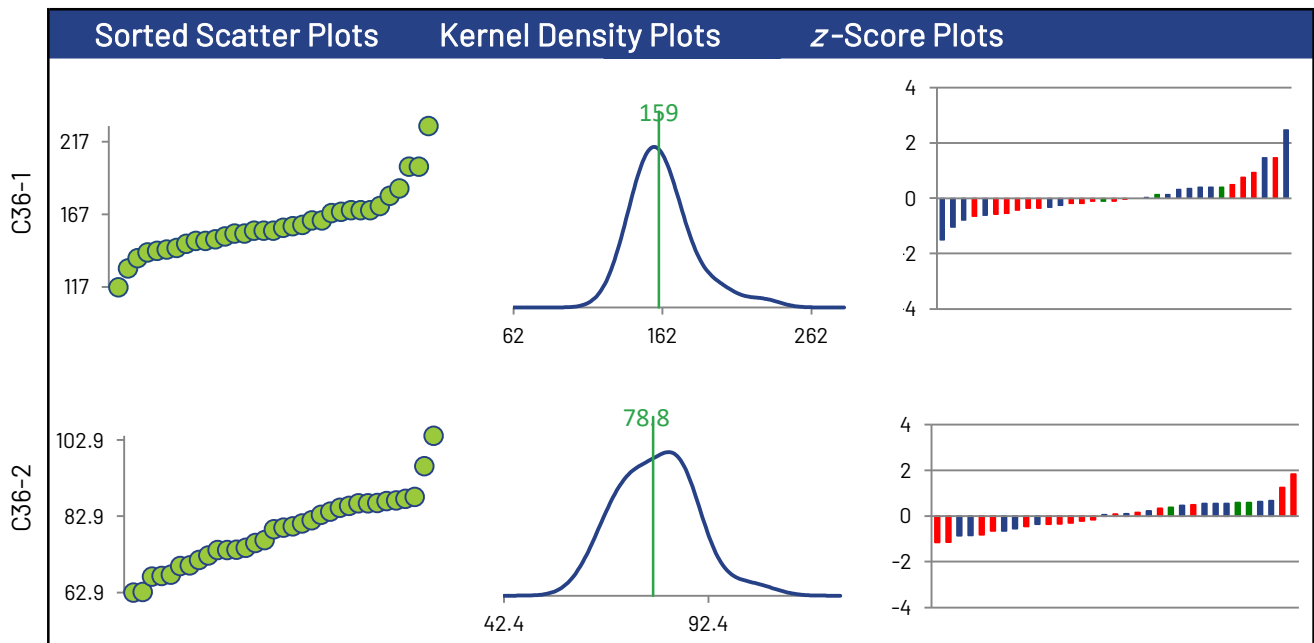
Summary Statistics

Statistic	C36-1	C36-2	C36-3	C36-4
No. of results used for summary statistics	33	33	33	33
Median µg/g	156	79.9	110	14.6
Robust Mean µg/g	159	78.8	107	14.8
Uncertainty of the Assigned Value µg/g	3.70	2.01	2.87	0.372
Robust Standard Deviation µg/g	17.0	9.26	13.2	1.71
Regression Standard Deviation µg/g	27.8	13.8	18.8	2.58
Stability Flag				Stability
Homogeneity Flag			Homogeneity	
Standard Deviation Used (SDPA) µg/g	27.8	13.8	20.4	2.63
Flagged Outliers	0	0	0	0
$ z > 3.0$	0	0	0	0
$2 < z < 3$	1	0	1	0
Failure Rate %*	0.0			

Methods Used

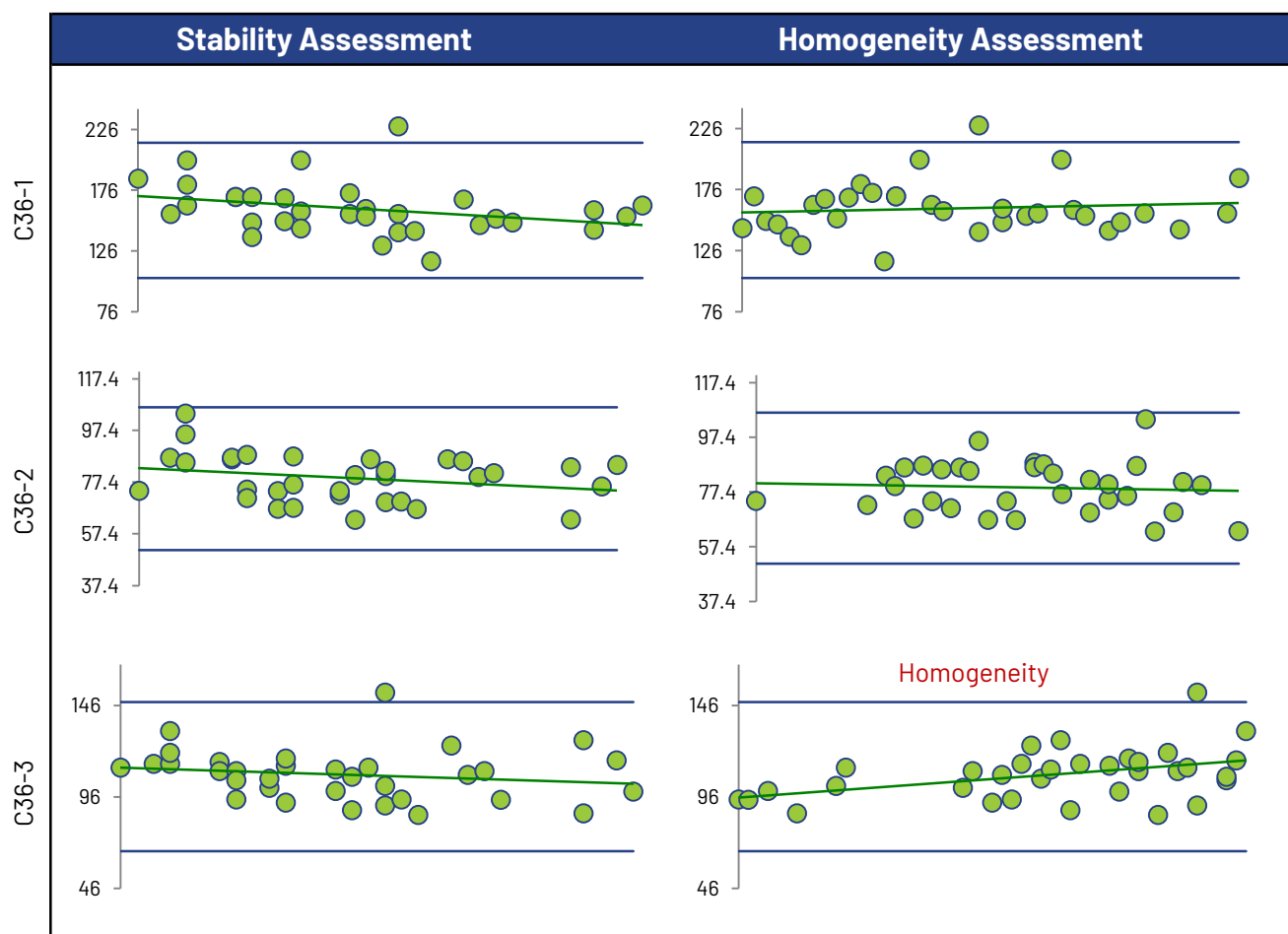
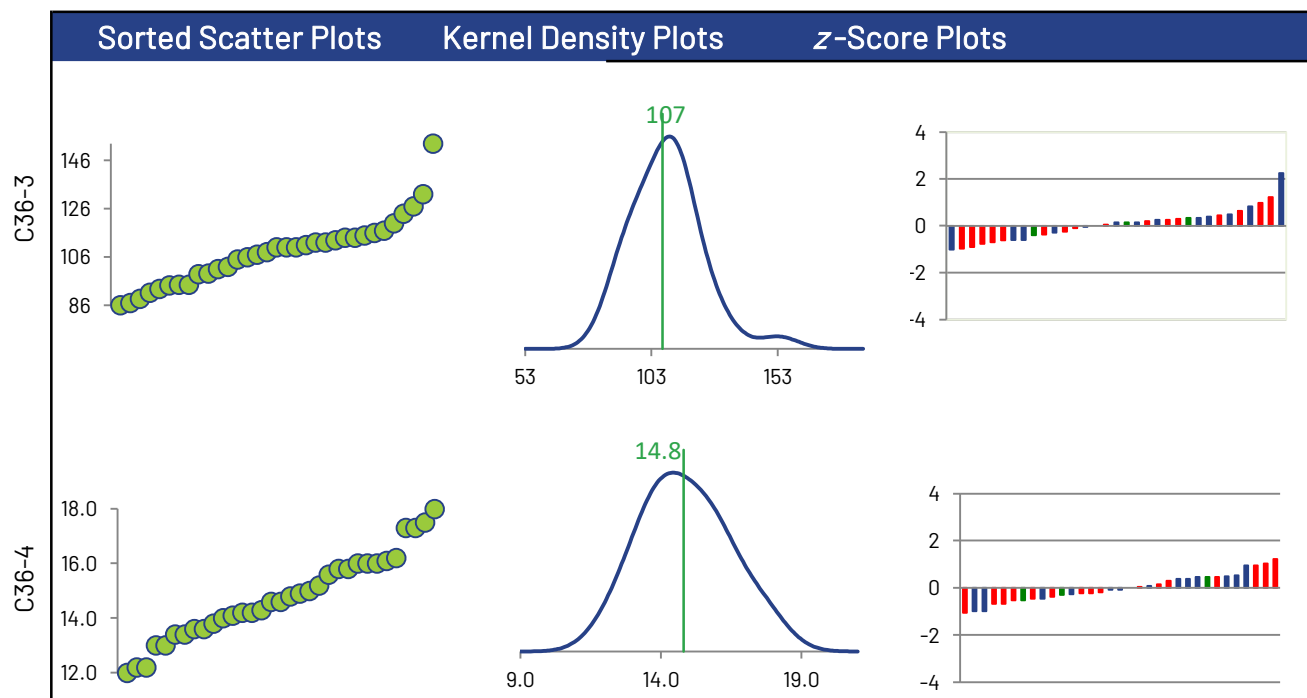
Method	C36-1	C36-2	C36-3	C36-4
GC/MS - HEADSPACE (Blue)	14	14	14	14
GC/MS - PURGE AND TRAP (Red)	16	16	16	16
GC/MS (Green)	3	3	3	3

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

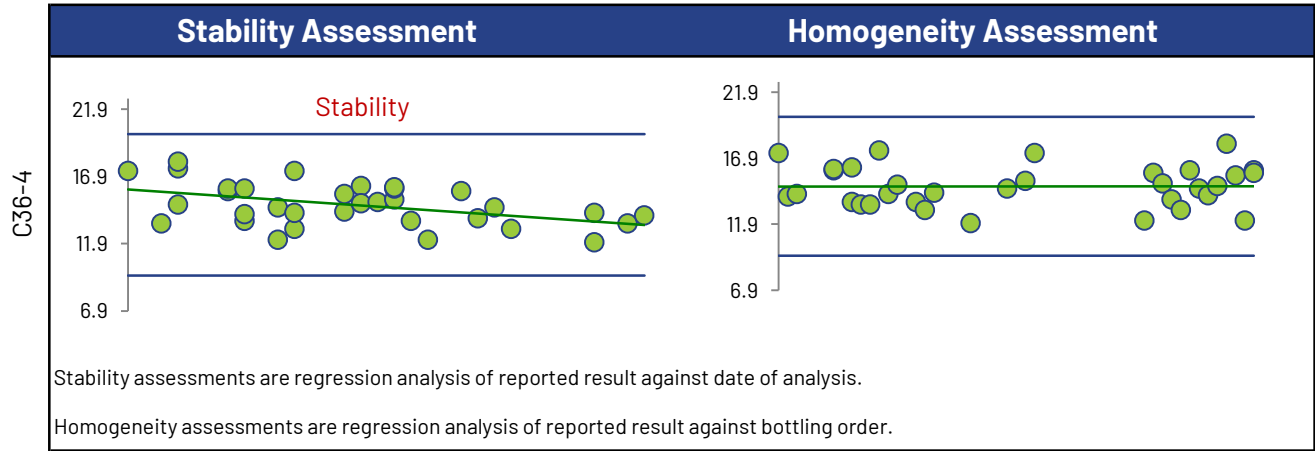


* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

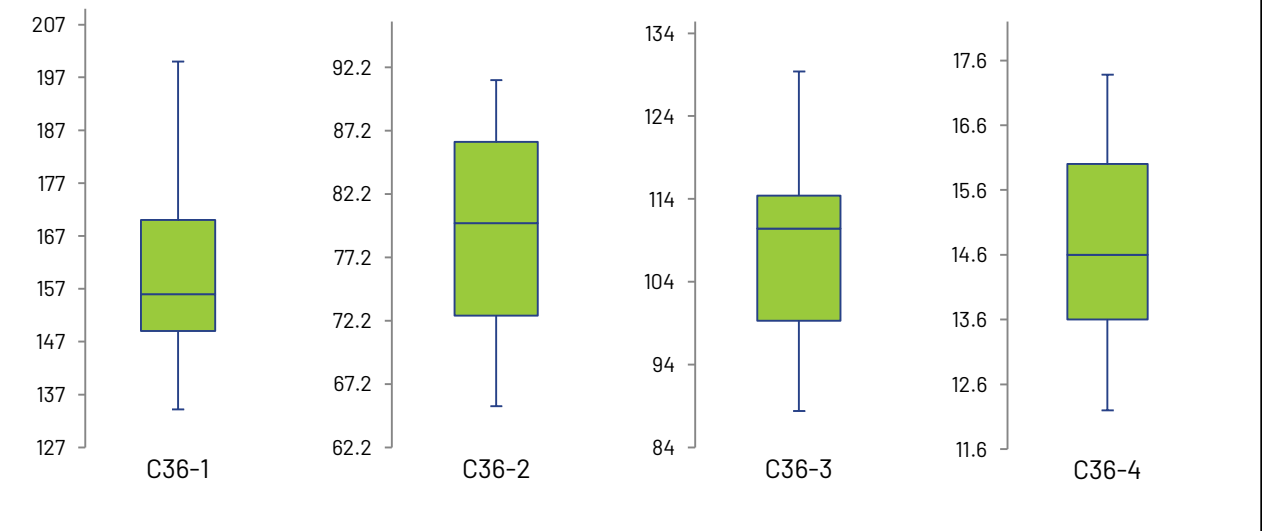
trans-1,3-Dichloropropene



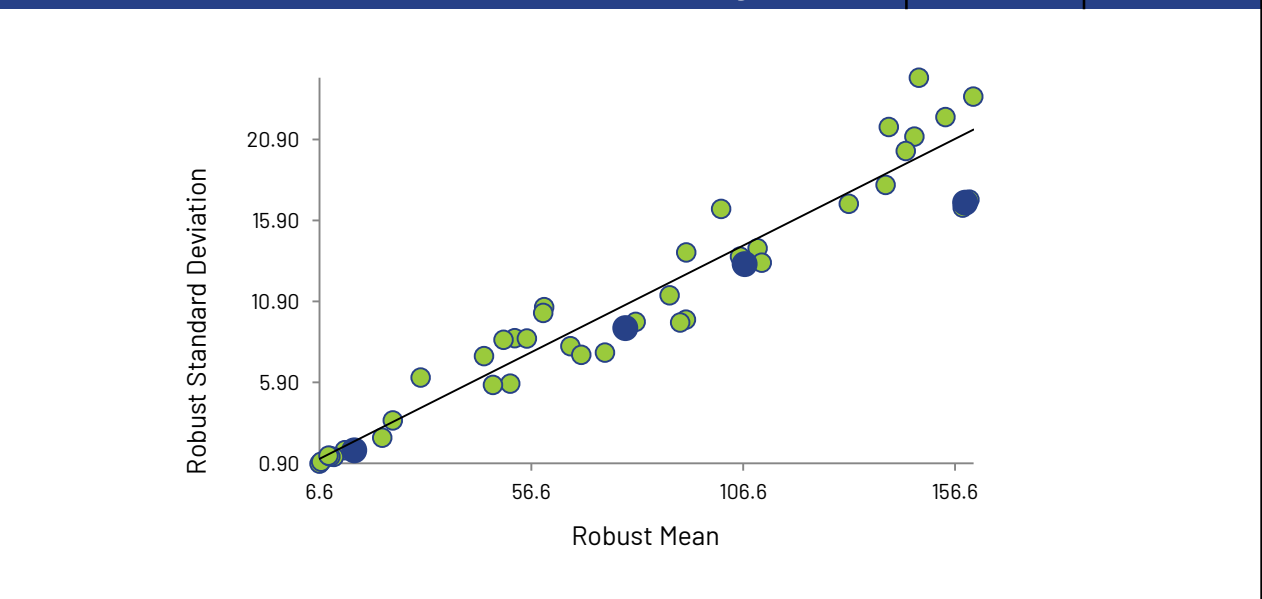
trans-1,3-Dichloropropene



Box and Whisker Plots



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



Trichloroethylene

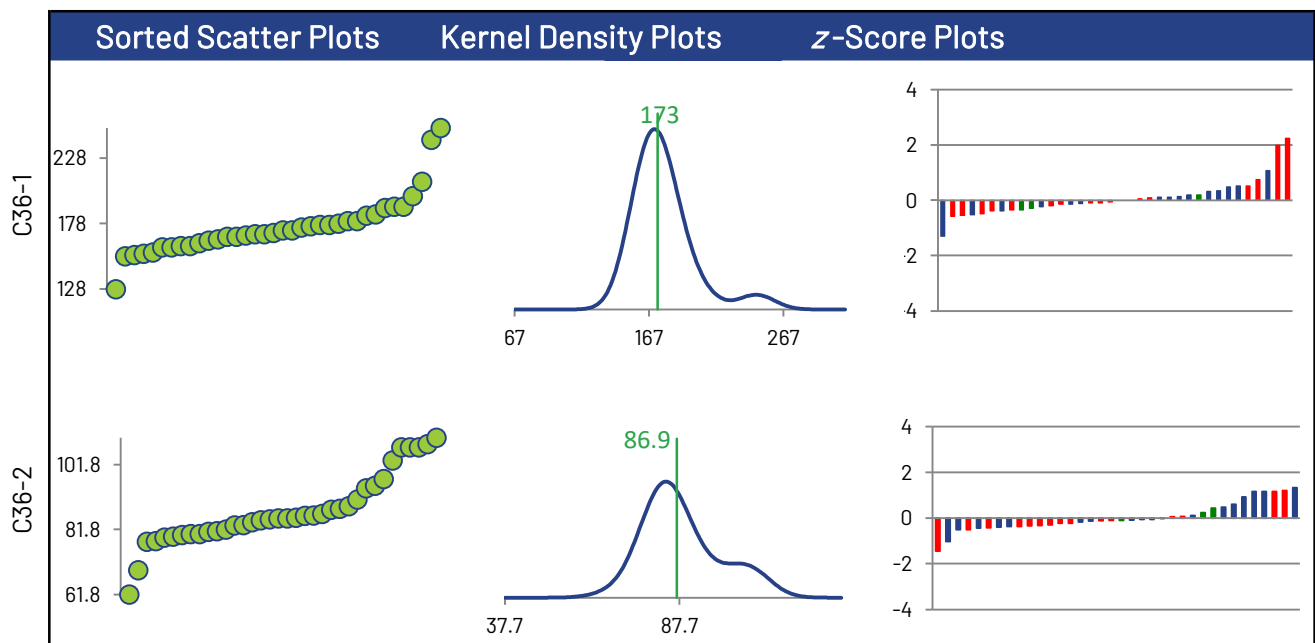
Summary Statistics

Statistic	C36-1	C36-2	C36-3	C36-4
No. of results used for summary statistics	36	36	36	36
Median µg/g	172	85.2	118	17.1
Robust Mean µg/g	173	86.9	120	16.9
Uncertainty of the Assigned Value µg/g	3.17	1.94	2.96	0.377
Robust Standard Deviation µg/g	15.2	9.32	14.2	1.81
Regression Standard Deviation µg/g	34.6	17.4	24.1	3.38
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) µg/g	34.6	17.4	24.1	3.38
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

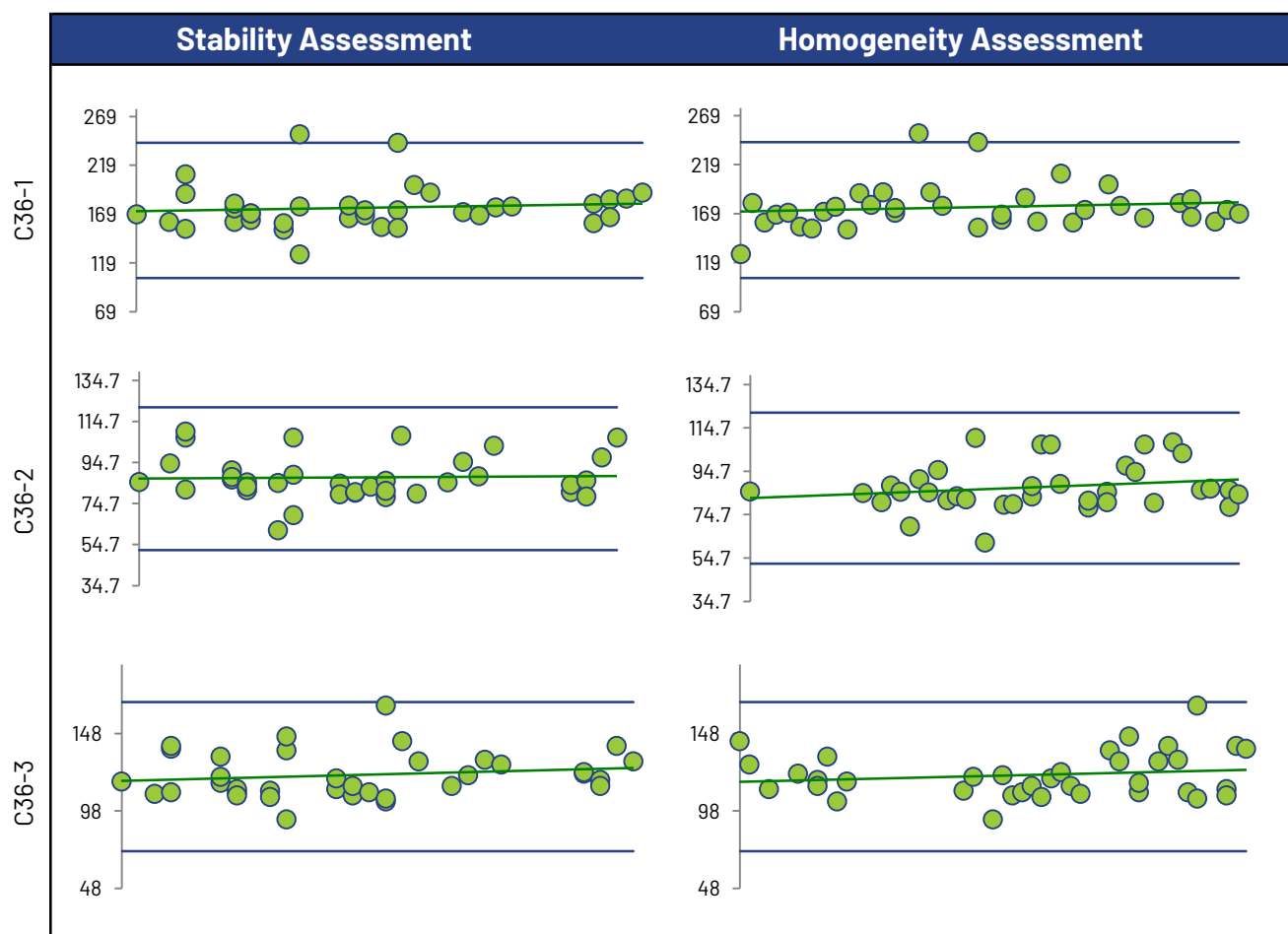
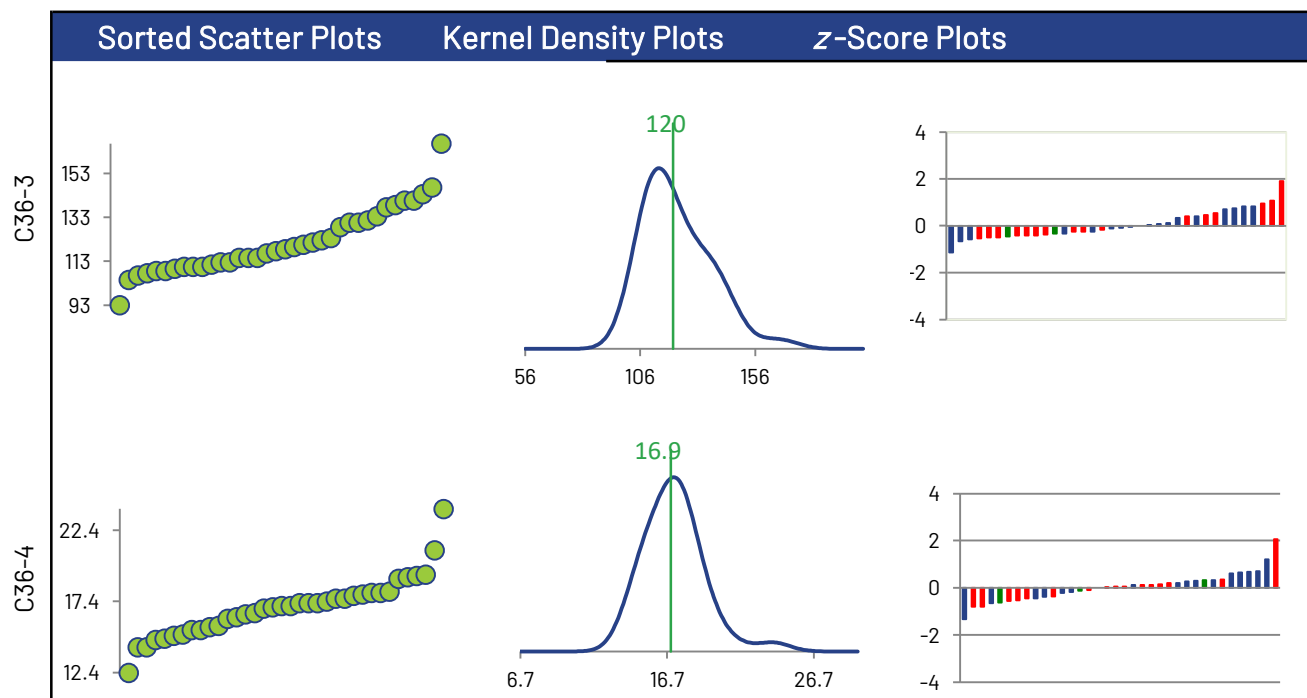
Method	C36-1	C36-2	C36-3	C36-4
GC/MS - PURGE AND TRAP (Blue)	17	17	17	17
GC/MS - HEADSPACE (Red)	16	16	16	16
GC/MS (Green)	3	3	3	3

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

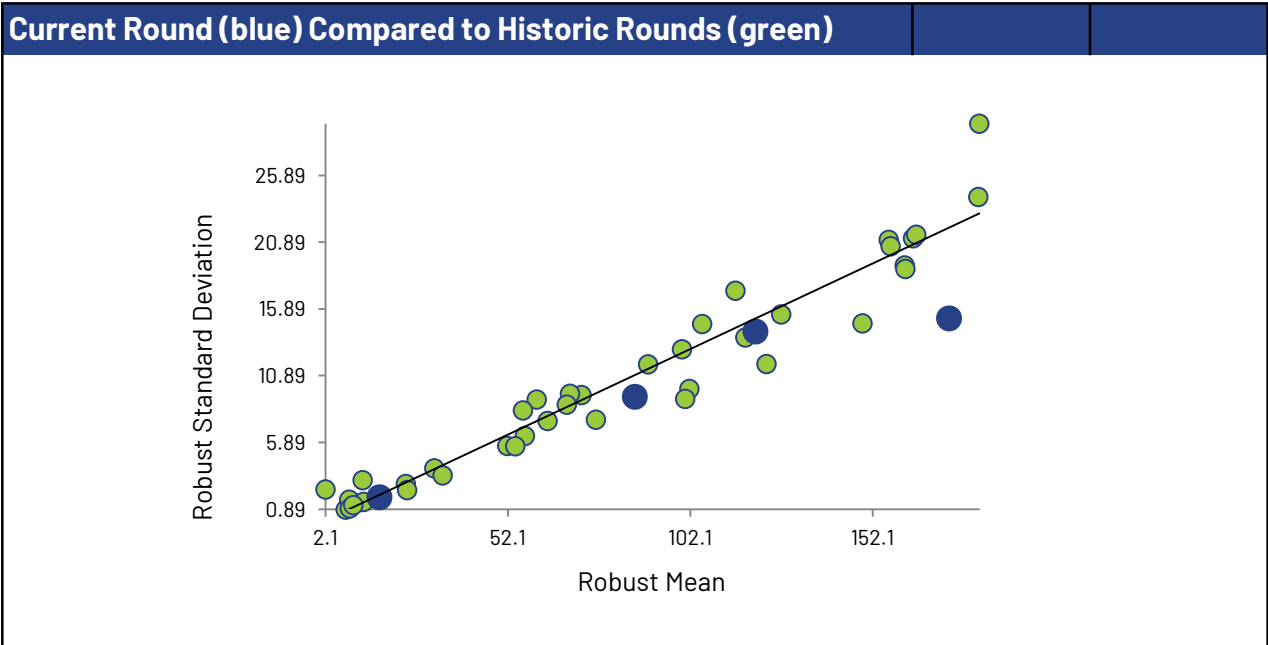
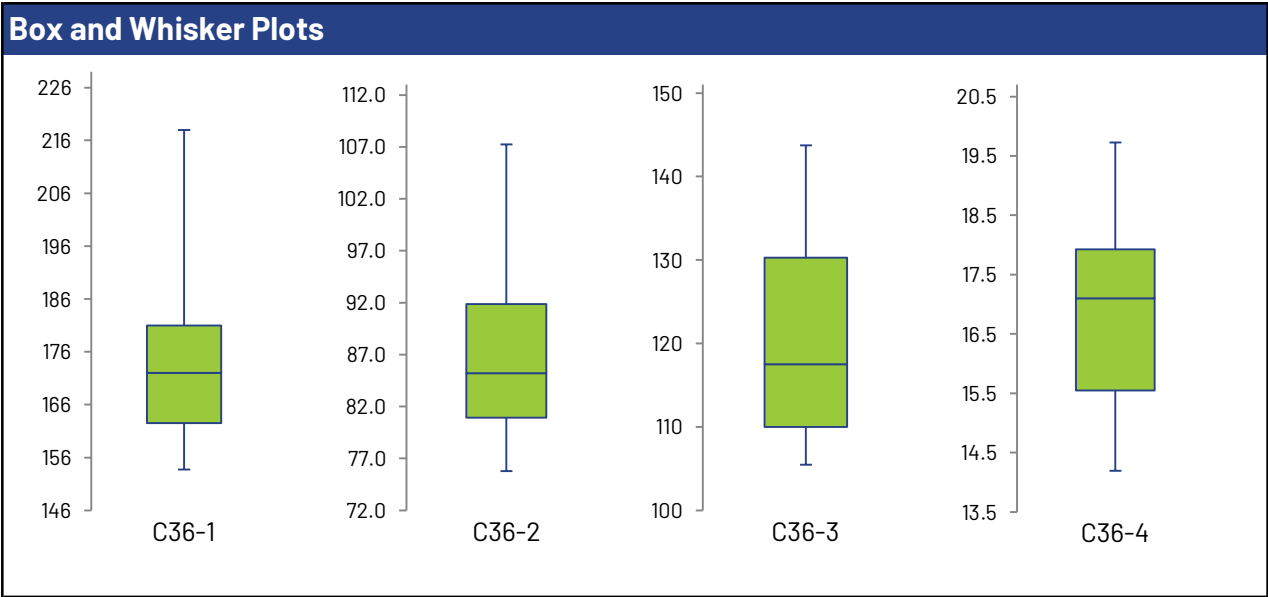
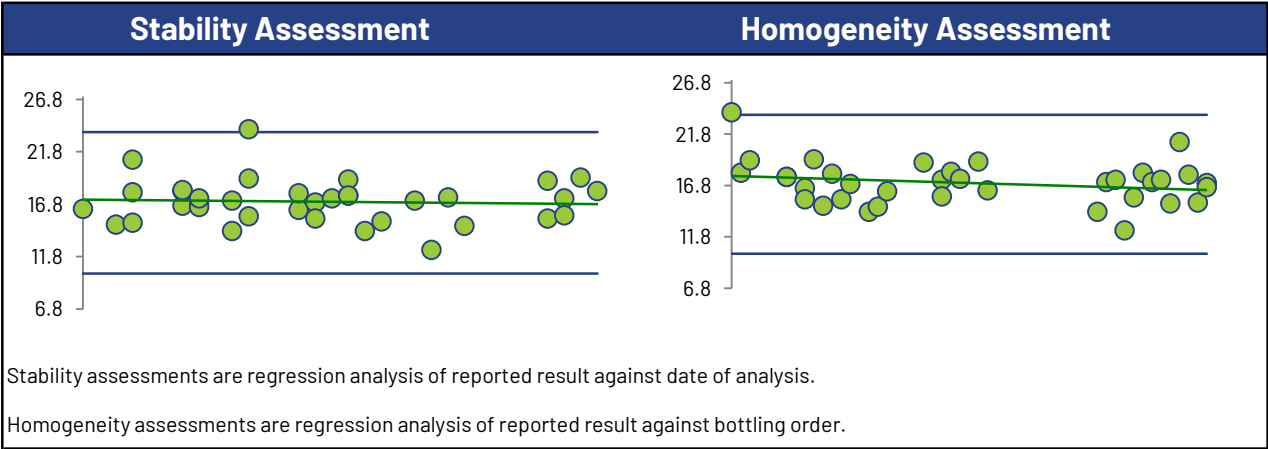


* Displayed failure rate does not account for the RDL modified z-Scores or inaccurately reported non-detects.

Trichloroethylene



Trichloroethylene



Trichlorofluoromethane

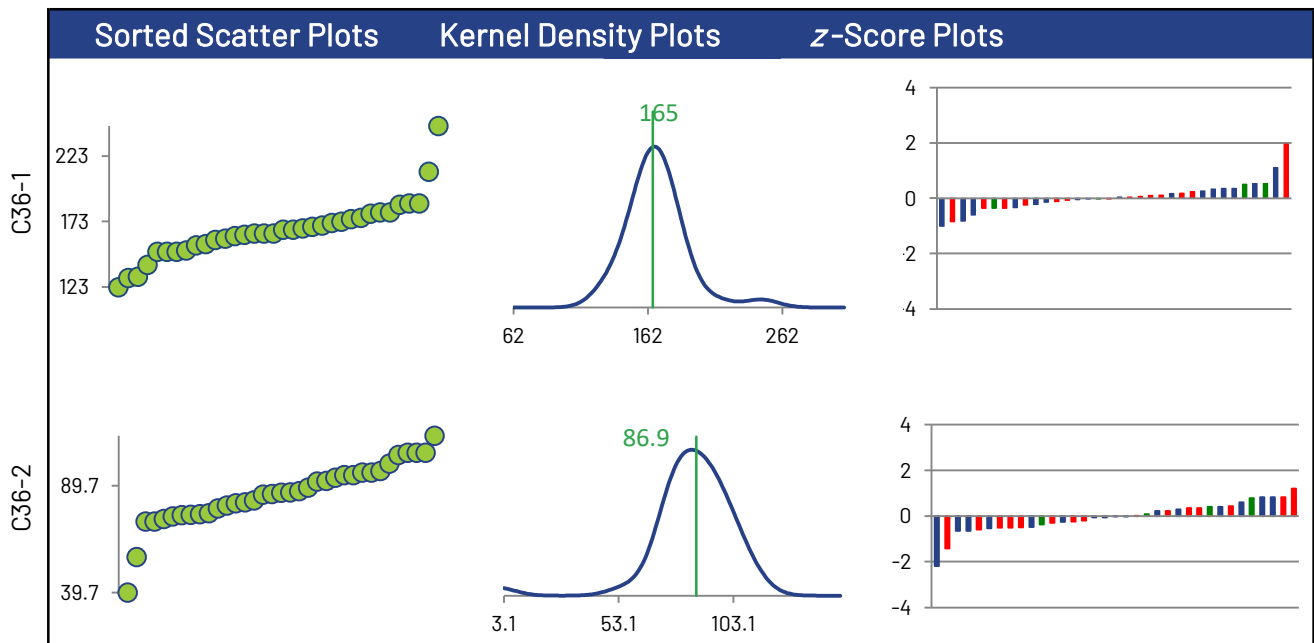
Summary Statistics

Statistic	C36-1	C36-2	C36-3	C36-4
No. of results used for summary statistics	34	35	35	35
Median µg/g	166	86.4	115	17.1
Robust Mean µg/g	165	86.9	117	17.1
Uncertainty of the Assigned Value µg/g	3.64	2.70	2.66	0.492
Robust Standard Deviation µg/g	17.0	12.8	12.6	2.33
Regression Standard Deviation µg/g	41.4	21.7	29.4	4.28
Stability Flag				
Homogeneity Flag				
Standard Deviation Used (SDPA) µg/g	41.4	21.7	29.4	4.28
Flagged Outliers	1	0	0	0
z >3.0	0	0	1	0
2< z <3	0	1	0	0
Failure Rate %*	2.9			

Methods Used

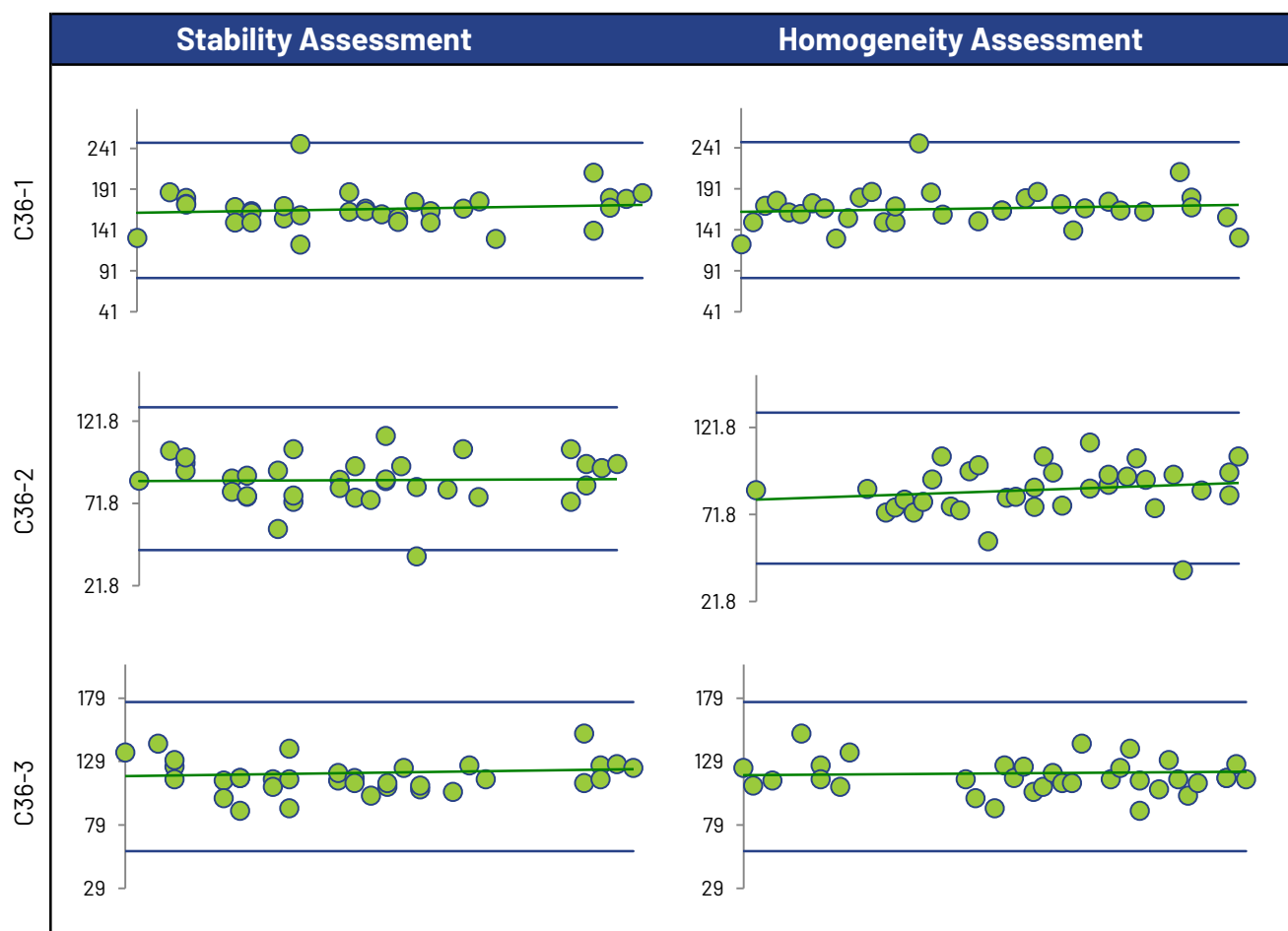
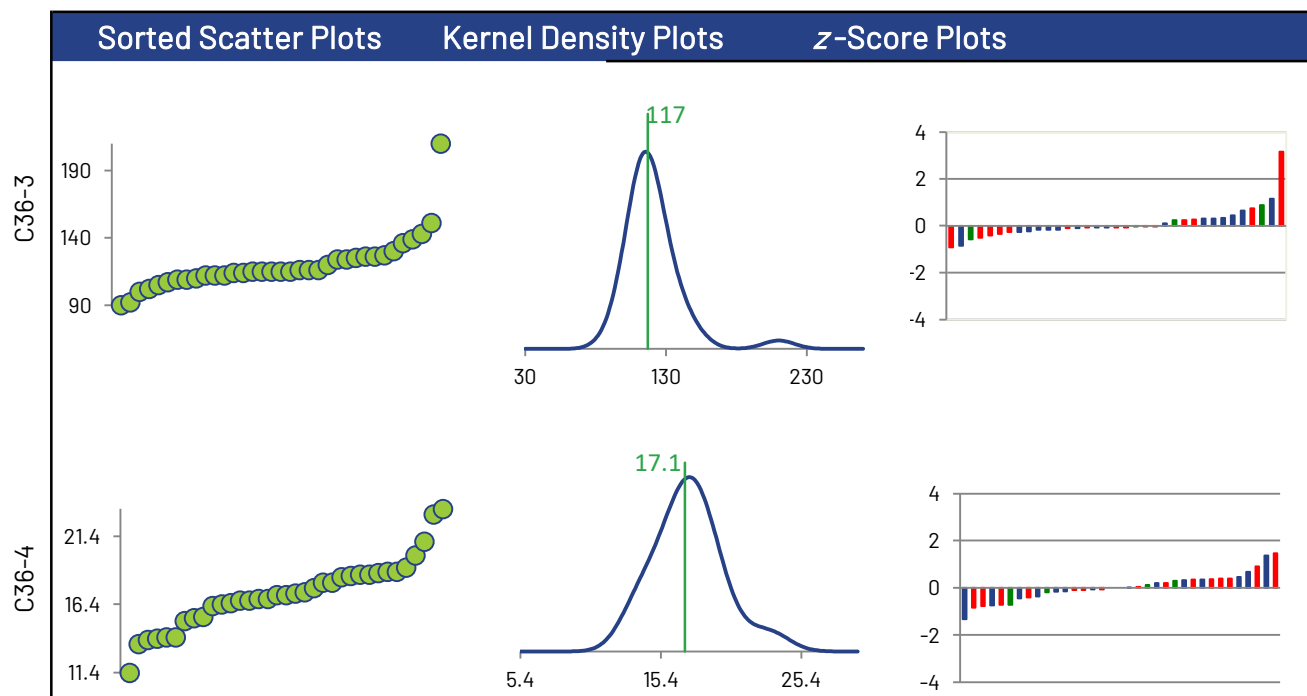
Method	C36-1	C36-2	C36-3	C36-4
GC/MS - PURGE AND TRAP (Blue)	16	16	16	16
GC/MS - HEADSPACE (Red)	14	15	15	15
GC/MS (Green)	4	4	4	4

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.

Trichlorofluoromethane



Trichlorofluoromethane

