



Pace Analytical Services

Laboratory Code: 11148

SDG Number: L2538805

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Project Name: CORAM GROUNDWATER EVENT
Project Number: 2232.0006Y005

Lab Number: L2538805
Report Date: 07/03/25

Lab Sample ID	Client ID	Matrix	Sample Location	Collection Date/Time	Receive Date
L2538805-01	MW-4S	WATER	416 MILLER PLACE-YAPHANK RD.	06/19/25 11:10	06/19/25
L2538805-02	MW-4D2	WATER	416 MILLER PLACE-YAPHANK RD.	06/19/25 11:05	06/19/25
L2538805-03	SCDOH-DR	WATER	416 MILLER PLACE-YAPHANK RD.	06/19/25 10:00	06/19/25
L2538805-04	MW-10S	WATER	416 MILLER PLACE-YAPHANK RD.	06/19/25 08:38	06/19/25
L2538805-05	MW-10D	WATER	416 MILLER PLACE-YAPHANK RD.	06/19/25 08:50	06/19/25
L2538805-06	EQUIPMENT BLANK	EQUIPMENT BLANK	416 MILLER PLACE-YAPHANK RD.	06/19/25 12:00	06/19/25
L2538805-07	TRIP BLANK	TRIP BLANK (AQUEOUS)	416 MILLER PLACE-YAPHANK RD.	06/19/25 00:00	06/19/25

Project Name: CORAM GROUNDWATER EVENT
Project Number: 2232.0006Y005

Lab Number: L2538805
Report Date: 07/03/25

Case Narrative

The samples were received in accordance with the Chain of Custody and no significant deviations were encountered during the preparation or analysis unless otherwise noted. Sample Receipt, Container Information, and the Chain of Custody are located at the back of the report.

Results contained within this report relate only to the samples submitted under this Pace Lab Number and meet NELAP requirements for all NELAP accredited parameters unless otherwise noted in the following narrative. The data presented in this report is organized by parameter (i.e. VOC, SVOC, etc.). Sample specific Quality Control data (i.e. Surrogate Spike Recovery) is reported at the end of the target analyte list for each individual sample, followed by the Laboratory Batch Quality Control at the end of each parameter. Tentatively Identified Compounds (TICs), if requested, are reported for compounds identified to be present and are not part of the method/program Target Compound List, even if only a subset of the TCL are being reported. If a sample was re-analyzed or re-extracted due to a required quality control corrective action and if both sets of data are reported, the Laboratory ID of the re-analysis or re-extraction is designated with an "R" or "RE", respectively. When multiple Batch Quality Control elements are reported (e.g. more than one LCS), the associated samples for each element are noted in the grey shaded header line of each data table. Any Laboratory Batch, Sample Specific % recovery or RPD value that is outside the listed Acceptance Criteria is bolded in the report. All specific QC information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications. Soil/sediments, solids and tissues are reported on a dry weight basis unless otherwise noted. Definitions of all data qualifiers and acronyms used in this report are provided in the Glossary located at the back of the report.

In reference to questions H (CAM) or 4 (RCP) when "NO" is checked, the performance criteria for CAM and RCP methods allow for some quality control failures to occur and still be within method compliance. In these instances the specific failure is not narrated but noted in the associated QC table. The information is also incorporated in the Data Usability format of our Data Merger tool where it can be reviewed along with any associated usability implications.

Please see the associated ADEx data file for a comparison of laboratory reporting limits that were achieved with the regulatory Numerical Standards requested on the Chain of Custody.

HOLD POLICY

For samples submitted on hold, Pace's policy is to hold samples (with the exception of Air canisters) free of charge for 21 calendar days from the date the project is completed. After 21 calendar days, we will dispose of all samples submitted including those put on hold unless you have contacted your Client Service Representative and made arrangements for Pace to continue to hold the samples. Air canisters will be disposed after 3 business days from the date the project is completed.

Please contact Client Services at 800-624-9220 with any questions.

Project Name: CORAM GROUNDWATER EVENT
Project Number: 2232.0006Y005

Lab Number: L2538805
Report Date: 07/03/25

Case Narrative (continued)

Report Submission

July 03, 2025: This final report includes the results of all requested analyses.

July 02, 2025: This is a preliminary report.

All non-detect (ND) or estimated concentrations (J-qualified) have been quantitated to the limit noted in the MDL column.

The analyses of Iodide, Sulfide, and Ammonium were subcontracted. Copies of the laboratory reports are included as an addendum. Please note: This data is only available in PDF format and is not available on Data Merger.

Semivolatile Organics by SIM

The WG2081652-1 Method Blank associated with L2538805-01 through -06 has concentrations above the reporting limits for Acenaphthene and Fluorene. Since the associated sample concentrations are either greater than 10x the blank concentrations or non-detect to the RL for these target analytes, no corrective action is required. Any results detected below the reporting limit are qualified with a "B".

I, the undersigned, attest under the pains and penalties of perjury that, to the best of my knowledge and belief and based upon my personal inquiry of those responsible for providing the information contained in this analytical report, such information is accurate and complete. This certificate of analysis is not complete unless this page accompanies any and all pages of this report.

Authorized Signature: *Siffani Morrissey*

Report Date: 07/06/25

Title: Technical Director/Representative



DATA PACKAGE GLOSSARY

Acronyms

DL	- Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the limit of quantitation (LOQ). The DL includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
EDL	- Estimated Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The EDL includes any adjustments from dilutions, concentrations or moisture content, where applicable. The use of EDLs is specific to the analysis of PAHs using Solid-Phase Microextraction (SPME).
EMPC	- Estimated Maximum Possible Concentration: The concentration that results from the signal present at the retention time of an analyte when the ions meet all of the identification criteria except the ion abundance ratio criteria. An EMPC is a worst-case estimate of the concentration.
EPA	- Environmental Protection Agency.
LCS	- Laboratory Control Sample: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LCSD	- Laboratory Control Sample Duplicate: Refer to LCS.
LFB	- Laboratory Fortified Blank: A sample matrix, free from the analytes of interest, spiked with verified known amounts of analytes or a material containing known and verified amounts of analytes.
LOD	- Limit of Detection: This value represents the level to which a target analyte can reliably be detected for a specific analyte in a specific matrix by a specific method. The LOD includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
LOQ	- Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.) Limit of Quantitation: The value at which an instrument can accurately measure an analyte at a specific concentration. The LOQ includes any adjustments from dilutions, concentrations or moisture content, where applicable. (DoD report formats only.)
MDL	- Method Detection Limit: This value represents the level to which target analyte concentrations are reported as estimated values, when those target analyte concentrations are quantified below the reporting limit (RL). The MDL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
MS	- Matrix Spike Sample: A sample prepared by adding a known mass of target analyte to a specified amount of matrix sample for which an independent estimate of target analyte concentration is available. For Method 332.0, the spike recovery is calculated using the native concentration, including estimated values.
MSD	- Matrix Spike Sample Duplicate: Refer to MS.
NA	- Not Applicable.
NC	- Not Calculated: Term is utilized when one or more of the results utilized in the calculation are non-detect at the parameter's reporting unit.
NDPA/DPA	- N-Nitrosodiphenylamine/Diphenylamine.
NI	- Not Ignitable.
NP	- Non-Plastic: Term is utilized for the analysis of Atterberg Limits in soil.
NR	- No Results: Term is utilized when 'No Target Compounds Requested' is reported for the analysis of Volatile or Semivolatile Organic TIC only requests.
RL	- Reporting Limit: The value at which an instrument can accurately measure an analyte at a specific concentration. The RL includes any adjustments from dilutions, concentrations or moisture content, where applicable.
RPD	- Relative Percent Difference: The results from matrix and/or matrix spike duplicates are primarily designed to assess the precision of analytical results in a given matrix and are expressed as relative percent difference (RPD). Values which are less than five times the reporting limit for any individual parameter are evaluated by utilizing the absolute difference between the values; although the RPD value will be provided in the report.
SRM	- Standard Reference Material: A reference sample of a known or certified value that is of the same or similar matrix as the associated field samples.
STLP	- Semi-dynamic Tank Leaching Procedure per EPA Method 1315.
TEF	- Toxic Equivalency Factors: The values assigned to each dioxin and furan to evaluate their toxicity relative to 2,3,7,8-TCDD.
TEQ	- Toxic Equivalent: The measure of a sample's toxicity derived by multiplying each dioxin and furan by its corresponding TEF and then summing the resulting values.
TIC	- Tentatively Identified Compound: A compound that has been identified to be present and is not part of the target compound list (TCL) for the method and/or program. All TICs are qualitatively identified and reported as estimated concentrations.

Report Format: DU Report with 'J' Qualifiers



Footnotes

- 1 - The reference for this analyte should be considered modified since this analyte is absent from the target analyte list of the original method.

Terms

Analytical Method: Both the document from which the method originates and the analytical reference method. (Example: EPA 8260B is shown as 1,8260B.) The codes for the reference method documents are provided in the References section of the Addendum.

Chlordane: The target compound Chlordane (CAS No. 57-74-9) is reported for GC ECD analyses. Per EPA, this compound "refers to a mixture of chlordane isomers, other chlorinated hydrocarbons and numerous other components." (Reference: USEPA Toxicological Review of Chlordane, In Support of Summary Information on the Integrated Risk Information System (IRIS), December 1997.)

Difference: With respect to Total Oxidizable Precursor (TOP) Assay analysis, the difference is defined as the Post-Treatment value minus the Pre-Treatment value.

Final pH: As it pertains to Sample Receipt & Container Information section of the report, Final pH reflects pH of container determined after adjustment at the laboratory, if applicable. If no adjustment required, value reflects Initial pH.

Frozen Date/Time: With respect to Volatile Organics in soil, Frozen Date/Time reflects the date/time at which associated Reagent Water-preserved vials were initially frozen. Note: If frozen date/time is beyond 48 hours from sample collection, value will be reflected in 'bold'.

Gasoline Range Organics (GRO): Gasoline Range Organics (GRO) results include all chromatographic peaks eluting from Methyl tert butyl ether through Naphthalene, with the exception of GRO analysis in support of State of Ohio programs, which includes all chromatographic peaks eluting from Hexane through Dodecane.

Initial pH: As it pertains to Sample Receipt & Container Information section of the report, Initial pH reflects pH of container determined upon receipt, if applicable.

PAH Total: With respect to Alkylated PAH analyses, the 'PAHs, Total' result is defined as the summation of results for all or a subset of the following compounds: Naphthalene, C1-C4 Naphthalenes, 2-Methylnaphthalene, 1-Methylnaphthalene, Biphenyl, Acenaphthylene, Acenaphthene, Fluorene, C1-C3 Fluorenes, Phenanthrene, C1-C4 Phenanthrenes/Anthracenes, Anthracene, Fluoranthene, Pyrene, C1-C4 Fluoranthenes/Pyrenes, Benz(a)anthracene, Chrysene, C1-C4 Chrysenes, Benzo(b)fluoranthene, Benzo(j)+(k)fluoranthene, Benzo(e)pyrene, Benzo(a)pyrene, Perylene, Indeno(1,2,3-cd)pyrene, Dibenz(ah)+(ac)anthracene, Benzo(g,h,i)perylene. If a 'Total' result is requested, the results of its individual components will also be reported.

PFAS Total: With respect to PFAS analyses, the 'PFAS, Total (5)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA and PFOS. In addition, the 'PFAS, Total (6)' result is defined as the summation of results for: PFHpA, PFHxS, PFOA, PFNA, PFDA and PFOS. For MassDEP DW compliance analysis only, the 'PFAS, Total (6)' result is defined as the summation of results at or above the RL. Note: If a 'Total' result is requested, the results of its individual components will also be reported.

Total: With respect to Organic analyses, a 'Total' result is defined as the summation of results for individual isomers or Aroclors. If a 'Total' result is requested, the results of its individual components will also be reported. This is applicable to 'Total' results for methods 8260, 8081 and 8082.

Data Qualifiers

- A** - Spectra identified as "Aldol Condensates" are byproducts of the extraction/concentration procedures when acetone is introduced in the process.
- B** - The analyte was detected above the reporting limit in the associated method blank. Flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For MCP-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank. For DOD-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte at less than ten times (10x) the concentration found in the blank AND the analyte was detected above one-half the reporting limit (or above the reporting limit for common lab contaminants) in the associated method blank. For NJ-Air-related projects, flag only applies to associated field samples that have detectable concentrations of the analyte above the reporting limit. For NJ-related projects (excluding Air), flag only applies to associated field samples that have detectable concentrations of the analyte, which was detected above the reporting limit in the associated method blank or above five times the reporting limit for common lab contaminants (Phthalates, Acetone, Methylene Chloride, 2-Butanone).
- C** - Co-elution: The target analyte co-elutes with a known lab standard (i.e. surrogate, internal standards, etc.) for co-extracted analyses.
- D** - Concentration of analyte was quantified from diluted analysis. Flag only applies to field samples that have detectable concentrations of the analyte.
- E** - Concentration of analyte exceeds the range of the calibration curve and/or linear range of the instrument.
- F** - The ratio of quantifier ion response to qualifier ion response falls outside of the laboratory criteria. Results are considered to be an estimated maximum concentration.
- G** - The concentration may be biased high due to matrix interferences (i.e. co-elution) with non-target compound(s). The result should be considered estimated.
- H** - The analysis of pH was performed beyond the regulatory-required holding time of 15 minutes from the time of sample collection.
- I** - The lower value for the two columns has been reported due to obvious interference.
- M** - Reporting Limit (RL) exceeds the MCP CAM Reporting Limit for this analyte.
- NJ** - Presumptive evidence of compound. This represents an estimated concentration for Tentatively Identified Compounds (TICs), where

Report Format: DU Report with 'J' Qualifiers



Project Name: CORAM GROUNDWATER EVENT
Project Number: 2232.0006Y005

Lab Number: L2538805
Report Date: 07/03/25

Data Qualifiers

the identification is based on a mass spectral library search.

- P** - The RPD between the results for the two columns exceeds the method-specified criteria.
- Q** - The quality control sample exceeds the associated acceptance criteria. For DOD-related projects, LCS and/or Continuing Calibration Standard exceedences are also qualified on all associated sample results. Note: This flag is not applicable for matrix spike recoveries when the sample concentration is greater than 4x the spike added or for batch duplicate RPD when the sample concentrations are less than 5x the RL. (Metals only.)
- R** - Analytical results are from sample re-analysis.
- RE** - Analytical results are from sample re-extraction.
- S** - Analytical results are from modified screening analysis.
- V** - The surrogate associated with this target analyte has a recovery outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- Z** - The batch matrix spike and/or duplicate associated with this target analyte has a recovery/RPD outside the QC acceptance limits. (Applicable to MassDEP DW Compliance samples only.)
- J** - Estimated value. The Target analyte concentration is below the quantitation limit (RL), but above the Method Detection Limit (MDL) or Estimated Detection Limit (EDL) for SPME-related analyses. This represents an estimated concentration for Tentatively Identified Compounds (TICs). For calculated parameters, this represents that one or more values used in the calculation were estimated.
- ND or U** - Not detected at the method detection limit (MDL) for the sample, or estimated detection limit (EDL) for SPME-related analyses.

Report Format: DU Report with 'J' Qualifiers



TYPICAL INSTRUMENT PARAMETERS

Volatile Organics Instruments

Volatile Organics:

Instrument: Agilent 7890 GC/5975C MSD	Columns (length x ID x df):
Trap: Supelco K Trap (VOACARB 3000)	RTX-VMS 20m x 0.18mm x 1um
Concentrator: EST Encon (or equivalent)	RTX-VMS 30m x 0.25mm x 1.4um
Autosampler: EST Centurion (or equivalent)	RTX-502.2 40m x 0.18mm x 1um
Purge time: 11 min	

Volatile Organics: VPH

Instrument: Agilent 6890 (or equivalent)	Column Type: Restek RTX 502.2
Trap: Supelco K Trap (VOACARB 3000)	Column Length: 105 Meters
Concentrator: EST Encon (or equivalent)	df: 3.00 um
Autosampler: EST Centurion (or equivalent)	ID: 0.53mm

Volatile Organics: PIANO

Instrument: Agilent 7890 GC/5975C MSD	Column Type: DB-VRX
Trap: Supelco K Trap (VOACARB 3000)	Column Length: 60 Meters
Concentrator: Tekmar Velocity / EST Encon	df: 1.40 um
Autosampler: Varian Archon / EST Centurion	ID: 0.25 mm
Purge time: 11 min	Desorb: 1 min

Volatile Organics: Dissolved Gas

Instrument: Agilent 7890 (or equivalent) with FID/TCD	Column Type: Haysep S Column
	Column Length: 2 Meters packed (100/200 mesh)
Autosampler: LEAP Headspace	Purge time: 0.6 min

Volatile Organics in Air Instruments

Volatile Organics in Air:

Instruments: Agilent 6890 GC / 5975 MSD Shimadzu QP2010-SE / QP2020

Concentrator: Entech 7100A or 7200	Column Type: Restek RTX-1
Autosampler: Entech 7016CA or 7016D	Column Length: 60 Meters
	df: 1.00 um
	ID: 0.25 mm or 0.32 mm

Trap 1: Glass Bead: manufacturer-Entech: 20 cm packing material

Trap 2: Tenax: manufacturer-Entech: 20 cm packing material

Semivolatile Organics Instruments - Westborough

Semivolatile Organics (Acid/Base/Neutral Extractables):

Instrument: Agilent 5973N MSD	Injection volume: 1 ul;2 uL LVI
Column Type: Restek RXI-5SILMS	df: 0.32 um
Column Length: 30 Meters	ID: 0.25 mm

Polynuclear Aromatic Hydrocarbons by 8270 SIM:

Instrument: Agilent 5973 MSD	Injection volume: 1 ul;2 uL LVI
Column Type: Restek RXI-5SILMS	df: 0.25 um
Column Length: 30 Meters	ID: 0.25 mm

Pesticides/PCB/Herbicides:

Instrument: Agilent 6890 w/Dual Micro ECDs	Injection Volume: 1uL
Column A: Restek RTX-CL/STX-CL	df: 0.32
Column B: Restek RTX/STX-CLPPesticide II	df: 0.25
Column Length: 30 Meters	ID: 0.32 mm

Petroleum/EPH:

Instrument: Agilent 6890 w/FID / HP 5890 w/ FID	Injection Volume: 1uL
Column: Restek RTX 5	df: 0.25
Column Length: 30 Meters	
ID: 0.32 mm	

Semivolatile Organic Instruments - Mansfield

Semivolatile Organics (ALK-PAH Extractables):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 1 ul
Column Type: ZB-5	df: 0.25 um
Column Length: 60 Meters	ID: 0.25 mm

Semivolatile Organics (8270):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 2 ul
Column Type: ZB-Semivolatiles	df: 0.25 um
Column Length: 30 Meters	ID: 0.25 mm

Semivolatile Organics (8270 SIM):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 3 ul
Column Type: ZB-5	df: 0.25 um
Column Length: 30 Meters	ID: 0.25 mm

Semivolatile Organics (1,4-Dioxane):

Instrument: Agilent 5973N / 5975 / 5977 MSD	Injection volume: 3 ul
Column Type: RTX-5	df: 0.25um, 0.18 um
Column Length: 30 Meters	ID: 0.25um, 0.18 mm

Semivolatile Organics (209 Congener):

Instrument: Agilent 5973N / 5975 MSD	Injection volume: 3 ul
Column Type: RTX-5, RTX-PCB	df: 0.25um, 0.18 um
Column Length: 60 Meters	ID: 0.25um, 0.18 mm

Semivolatile Organics (8081):

Instrument: Agilent 6890 / 7890	Injection volume: 1 ul
Column Type: RTX-5 / RTX-CLP II	df: 0.25 um
Column Length: 60 Meters	ID: 0.25 mm

Semivolatile Organics (8082):

Instrument: Agilent 6890 w/Dual Micro ECDs	Injection Volume: 1uL
Column A: Restek RTX-CL/STX-CL	df: 0.32
Column B: Restek RTX/STX-CLPPesticide II	df: 0.25
Column Length: 30 Meters	ID: 0.32 mm

Semivolatile Organics (SHC Extractables):

Instrument: Agilent 6890	Injection volume: 1 ul
Column Type: RTX-5	df: 0.25 um
Column Length: 60 Meters	ID: 0.25 mm



Sample Delivery Group Summary

Pace Job Number : L2538805

Received : 19-JUN-2025

Reviewer : Geoffry Grace

Account Name : Roux Env. Eng. & Geology, DPC

Project Number : 2232.0006Y005

Project Name : CORAM MATERIALS

Delivery Information

Samples Delivered By : Pace Courier

Chain of Custody : Present

Cooler Information

Cooler	Seal/Seal#	Preservation	Temperature(°C)	Additional Information
A	Absent/	Ice	2.8	
B	Absent/	Ice	4.9	
C	Absent/	Ice	3.6	
D	Absent/	Ice	5.1	

Condition Information

1) All samples on COC received?	YES
2) Extra samples received?	NO
3) Are there any sample container discrepancies?	NO
4) Are there any discrepancies between COC & sample labels?	NO
5) Are samples in appropriate containers for requested analysis?	YES
6) Are samples properly preserved for requested analysis?	YES
7) Are samples within holding time for requested analysis?	YES
8) All sampling equipment returned?	NA

Volatile Organics/VPH

1) Reagent Water Vials Frozen by Client?	NO
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PACE ANALYTICAL SERVICES
LOGIN CHAIN OF CUSTODY REPORT
Jul 16 2025, 01:32 pm

Login Number: L2538805

Account: ROUX-NY Roux Env. Eng. & Geology, DPCProject: 2232.0006Y005

Received: 19JUN25

Due Date: 03JUL25

Sample # Client ID Mat PR Collected

L2538805-01 MW-4S

1 S0 19JUN25 11:10

Only one result per compound. If a sample requires High AND Low Levels, ok to report both as long as each compound is only reported once (can't have a result reported for a compound from both high AND low runs) Matrix description field has to be filled in appropriately for QC, ex: Trip Blank, Field Blank, etc Only one result per compound 8260/8270 RL built NYTCL-8270 SIM Report list built, SUB-Sulfide is direct sub to Pace Melville NYTCL-8270-RVT: Non-Routine: ;1,2,4,5-Tetrachlorobenzene; Atrazine; Benzaldehyde; Caprolactam 882236298676 \$35.04 USD Galbraith, TN NYTCL-8260: Non-Routine; Freon-113; Cyclohexane; Methyl Acetate; Methyl cyclohexane 882235492703 \$36.38 USD Pace, IN ASP-B Package Due Date: 07/03/25

ALK-C03-2320, ALK-HC03-2320, ASP-B, BR-300, CL-4500, F-4500, NO2-4500NO3, NO3-4500, NYTCL-8260, NYTCL-8270/SIM-RVT, NYTCL-8270-RVT, NYTCL-8270-SIM-RVT, SHIPPING, S04-4500, SUB-AMMONIUM, SUB-IODIDE, SUB-LEVEL5, SUB-SULFIDE, TAL-2007S, AG-RI, AL-RI, AS-RI, BA-RI, BE-RI, CA-RI, CD-RI, CO-RI, CR-RI, CU-RI, FE-RI, HG-R, K-RI, MG-RI, MN-RI, NA-RI, NI-RI, PB-RI, PREPR, SB-RI, SE-RI, TL-RI, V-RI, ZN-RI, TAL-600, AG-UI, AL-UI, AS-UI, BA-UI, BE-UI, CA-UI, CD-UI, CO-UI, CR-UI, CU-UI, FE-UI, HG-U, K-UI, MG-UI, MN-UI, NA-UI, NI-UI, PB-UI, PREPU, SB-UI, SE-UI, TL-UI, V-UI, ZN-UI, TDS-2540, TOTALNITROGEN, NO3/NO2-4500, TKN-4500, TNITROGEN, TP04-4500

L2538805-02 MW-4D2

1 S0 19JUN25 11:05

Only one result per compound. If a sample requires High AND Low Levels, ok to report both as long as each compound is only reported once (can't have a result reported for a compound from both high AND low runs) Matrix description field has to be filled in appropriately for QC, ex: Trip Blank, Field Blank, etc Only one result per compound 8260/8270 RL built NYTCL-8270 SIM Report list built, SUB-Sulfide is direct sub to Pace Melville NYTCL-8270-RVT: Non-Routine: ;1,2,4,5-Tetrachlorobenzene; Atrazine; Benzaldehyde; Caprolactam NYTCL-8260: Non-Routine: ;Freon-113; Cyclohexane; Methyl Acetate; Methyl cyclohexane Package Due Date: 07/03/25

ALK-C03-2320, ALK-HC03-2320, BR-300, CL-4500, F-4500, NO2-4500NO3, NO3-4500, NYTCL-8260, NYTCL-8270/SIM-RVT, NYTCL-8270-RVT, NYTCL-8270-SIM-RVT, S04-4500, SUB-AMMONIUM, SUB-IODIDE, SUB-SULFIDE, TAL-2007S, AG-RI, AL-RI, AS-RI, BA-RI, BE-RI, CA-RI, CD-RI, CO-RI, CR-RI, CU-RI, FE-RI, HG-R, K-RI, MG-RI, MN-RI, NA-RI, NI-RI, PB-RI, PREPR, SB-RI, SE-RI, TL-RI, V-RI, ZN-RI, TAL-600, AG-UI, AL-UI, AS-UI, BA-UI, BE-UI, CA-UI, CD-UI, CO-UI, CR-UI, CU-UI, FE-UI, HG-U, K-UI, MG-UI, MN-UI, NA-UI, NI-UI, PB-UI, PREPU, SB-UI, SE-UI, TL-UI, V-UI, ZN-UI, TDS-2540, TOTALNITROGEN, NO3/NO2-4500, TKN-4500, TNITROGEN, TP04-4500

PACE ANALYTICAL SERVICES
LOGIN CHAIN OF CUSTODY REPORT
Jul 16 2025, 01:32 pm

Login Number: L2538805

Account: ROUX-NY Roux Env. Eng. & Geology, DPCProject: 2232.0006Y005

Received: 19JUN25 Due Date: 03JUL25

Sample # Client ID Mat PR Collected

L2538805-03 SCDOH-DR

1 S0 19JUN25 10:00

Only one result per compound. If a sample requires High AND Low Levels, ok to report both as long as each compound is only reported once (can't have a result reported for a compound from both high AND low runs) Matrix description field has to be filled in appropriately for QC, ex: Trip Blank, Field Blank, etc Only one result per compound 8260/8270 RL built NYTCL-8270 SIM Report list built SUB-Sulfide is direct sub to Pace Melville NYTCL-8270-RVT: Non-Routine: ;1,2,4,5-Tetrachlorobenzene; Atrazine; Benzaldehyde; Caprolactam NYTCL-8260: Non-Routine: ;Freon-113; Cyclohexane; Methyl Acetate; Methyl cyclohexane Package Due Date: 07/03/25

ALK-C03-2320, ALK-HC03-2320, BR-300, CL-4500, F-4500, NO2-4500 NO3, NO3-4500, NYTCL-8260, NYTCL-8270/SIM-RVT, NYTCL-8270-RVT, NYTCL-8270-SIM-RVT, S04-4500, SUB-AMMONIUM, SUB-IODIDE, SUB-SULFIDE, TAL-2007S, AG-RI, AL-RI, AS-RI, BA-RI, BE-RI, CA-RI, CD-RI, CO-RI, CR-RI, CU-RI, FE-RI, HG-R, K-RI, MG-RI, MN-RI, NA-RI, NI-RI, PB-RI, PREPR, SB-RI, SE-RI, TL-RI, V-RI, ZN-RI, TAL-600, AG-UI, AL-UI, AS-UI, BA-UI, BE-UI, CA-UI, CD-UI, CO-UI, CR-UI, CU-UI, FE-UI, HG-U, K-UI, MG-UI, MN-UI, NA-UI, NI-UI, PB-UI, PREPU, SB-UI, SE-UI, TL-UI, V-UI, ZN-UI, TDS-2540, TOTALNITROGEN, NO3/NO2-4500, TKN-4500, TNITROGEN, TP04-4500

L2538805-04 MW-10S

1 S0 19JUN25 08:38

Only one result per compound. If a sample requires High AND Low Levels, ok to report both as long as each compound is only reported once (can't have a result reported for a compound from both high AND low runs) Matrix description field has to be filled in appropriately for QC, ex: Trip Blank, Field Blank, etc Only one result per compound 8260/8270 RL built NYTCL-8270 SIM Report list built SUB-Sulfide is direct sub to Pace Melville NYTCL-8270-RVT: Non-Routine: ;1,2,4,5-Tetrachlorobenzene; Atrazine; Benzaldehyde; Caprolactam NYTCL-8260: Non-Routine: ;Freon-113; Cyclohexane; Methyl Acetate; Methyl cyclohexane Package Due Date: 07/03/25

ALK-C03-2320, ALK-HC03-2320, BR-300, CL-4500, F-4500, NO2-4500 NO3, NO3-4500, NYTCL-8260, NYTCL-8270/SIM-RVT, NYTCL-8270-RVT, NYTCL-8270-SIM-RVT, S04-4500, SUB-AMMONIUM, SUB-IODIDE, SUB-SULFIDE, TAL-2007S, AG-RI, AL-RI, AS-RI, BA-RI, BE-RI, CA-RI, CD-RI, CO-RI, CR-RI, CU-RI, FE-RI, HG-R, K-RI, MG-RI, MN-RI, NA-RI, NI-RI, PB-RI, PREPR, SB-RI, SE-RI, TL-RI, V-RI, ZN-RI, TAL-600, AG-UI, AL-UI, AS-UI, BA-UI, BE-UI, CA-UI, CD-UI, CO-UI, CR-UI, CU-UI, FE-UI, HG-U, K-UI, MG-UI, MN-UI, NA-UI, NI-UI, PB-UI, PREPU, SB-UI, SE-UI, TL-UI, V-UI, ZN-UI, TDS-2540, TOTALNITROGEN, NO3/NO2-4500, TKN-4500, TNITROGEN, TP04-4500

PACE ANALYTICAL SERVICES
LOGIN CHAIN OF CUSTODY REPORT
Jul 16 2025, 01:32 pm

Login Number: L2538805

Account: ROUX-NY Roux Env. Eng. & Geology, DPCProject: 2232.0006Y005

Received: 19JUN25 Due Date: 03JUL25

Sample # Client ID Mat PR Collected

L2538805-05 MW-10D

1 S0 19JUN25 08:50

Only one result per compound. If a sample requires High AND Low Levels, ok to report both as long as each compound is only reported once (can't have a result reported for a compound from both high AND low runs) Matrix description field has to be filled in appropriately for QC, ex: Trip Blank, Field Blank, etc Only one result per compound 8260/8270 RL built NYTCL-8270 SIM Report list built SUB-Sulfide is direct sub to Pace Melville NYTCL-8270-RVT: Non-Routine: ;1,2,4,5-Tetrachlorobenzene; Atrazine; Benzaldehyde; Caprolactam NYTCL-8260: Non-Routine: ;Freon-113; Cyclohexane; Methyl Acetate; Methyl cyclohexane Package Due Date: 07/03/25

ALK-C03-2320, ALK-HC03-2320, BR-300, CL-4500, F-4500, NO2-4500 NO3, NO3-4500, NYTCL-8260, NYTCL-8270/SIM-RVT, NYTCL-8270-RVT, NYTCL-8270-SIM-RVT, S04-4500, SUB-AMMONIUM, SUB-IODIDE, SUB-SULFIDE, TAL-2007S, AG-RI, AL-RI, AS-RI, BA-RI, BE-RI, CA-RI, CD-RI, CO-RI, CR-RI, CU-RI, FE-RI, HG-R, K-RI, MG-RI, MN-RI, NA-RI, NI-RI, PB-RI, PREPR, SB-RI, SE-RI, TL-RI, V-RI, ZN-RI, TAL-600, AG-UI, AL-UI, AS-UI, BA-UI, BE-UI, CA-UI, CD-UI, CO-UI, CR-UI, CU-UI, FE-UI, HG-U, K-UI, MG-UI, MN-UI, NA-UI, NI-UI, PB-UI, PREPU, SB-UI, SE-UI, TL-UI, V-UI, ZN-UI, TDS-2540, TOTALNITROGEN, NO3/NO2-4500, TKN-4500, TNITROGEN, TP04-4500

L2538805-06 EQUIPMENT BLANK

1 S0 19JUN25 12:00

Only one result per compound. If a sample requires High AND Low Levels, ok to report both as long as each compound is only reported once (can't have a result reported for a compound from both high AND low runs) Matrix description field has to be filled in appropriately for QC, ex: Trip Blank, Field Blank, etc Only one result per compound 8260/8270 RL built NYTCL-8270 SIM Report list built SUB-Sulfide is direct sub to Pace Melville NYTCL-8270-RVT: Non-Routine: ;1,2,4,5-Tetrachlorobenzene; Atrazine; Benzaldehyde; Caprolactam NYTCL-8260: Non-Routine: ;Freon-113; Cyclohexane; Methyl Acetate; Methyl cyclohexane Package Due Date: 07/03/25

ALK-C03-2320, ALK-HC03-2320, BR-300, CL-4500, F-4500, NO2-4500 NO3, NO3-4500, NYTCL-8260, NYTCL-8270/SIM-RVT, NYTCL-8270-RVT, NYTCL-8270-SIM-RVT, S04-4500, SUB-AMMONIUM, SUB-IODIDE, SUB-SULFIDE, TAL-2007S, AG-RI, AL-RI, AS-RI, BA-RI, BE-RI, CA-RI, CD-RI, CO-RI, CR-RI, CU-RI, FE-RI, HG-R, K-RI, MG-RI, MN-RI, NA-RI, NI-RI, PB-RI, PREPR, SB-RI, SE-RI, TL-RI, V-RI, ZN-RI, TAL-600, AG-UI, AL-UI, AS-UI, BA-UI, BE-UI, CA-UI, CD-UI, CO-UI, CR-UI, CU-UI, FE-UI, HG-U, K-UI, MG-UI, MN-UI, NA-UI, NI-UI, PB-UI, PREPU, SB-UI, SE-UI, TL-UI, V-UI, ZN-UI, TDS-2540, TOTALNITROGEN, NO3/NO2-4500, TKN-4500, TNITROGEN, TP04-4500

PACE ANALYTICAL SERVICES
LOGIN CHAIN OF CUSTODY REPORT
Jul 16 2025, 01:32 pm

Login Number: L2538805

Account: ROUX-NY Roux Env. Eng. & Geology, DPCProject: 2232.0006Y005

Received: 19JUN25 Due Date: 03JUL25

Sample # Client ID Mat PR Collected

L2538805-07 TRIP BLANK

1 S0 19JUN25 00:00

Only one result per compound. If a sample requires High AND Low Levels, ok to report both as long as each compound is only reported once (can't have a result reported for a compound from both high AND low runs) Matrix description field has to be filled in appropriately for QC, ex: Trip Blank, Field Blank, etc Only one result per compound 8260/8270 RL built NYTCL-8270 SIM Report list built SUB-Sulfide is direct sub to Pace Melville NYTCL-8270-RVT; Non-Routine: ;1,2,4,5-Tetrachlorobenzene; Atrazine;Benzaldehyde;Caprolactam NYTCL-8260; Non-Routine: ;Freon-113;Cyclohexane;Methyl Acetate; Methyl cyclohexane Package Due Date: 07/03/25

NYTCL-8260

 NEW YORK CHAIN OF CUSTODY	Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105	Page 1	Date Rec'd in Lab 6/20/25	L2538805 ROUX - NY 									
		of 2											
Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193	Mansfield, MA 02048 320 Forbes Blvd TEL: 508-822-9300 FAX: 508-822-3288	Project Information		Deliverables		Billing Information							
Client Information		Project Name: Coram Groundwater Event		☐ ASP-A ☒ ASP-B ☐ EQulS (1 File) ☐ EQulS (4 File) ☐ Other		☐ Same as Client Info PO #							
		Project Location: 416 Miller Place-Yaphank Road											
Client: ROUX Env.Eng.&Geology, DPC		Project # 2232.0001Y		Regulatory Requirement		Disposal Site Information							
Address: 209 Shafter Street		(Use Project name as Project #) ☐		☐ NY TOGS ☐ NY Part 375 ☐ AWQ Standards ☐ NY CP-51 ☐ NY Restricted Use ☐ Other ☐ NY Unrestricted Use ☐ NYC Sewer Discharge		Please identify below location of applicable disposal facilities.							
Islandia, NY 11749-5074		Project Manager: Ashley Iervolino				Disposal Facility:							
Phone: 631-232-2600		ALPHAQuote #:				☐ NJ ☐ NY ☐ Other:							
Fax:		Turn-Around Time											
Email: aiervolino@rouxinc.com		Standard ☒ Due Date:											
		Rush (only if pre approved) ☐ # of Days:											
These samples have been previously analyzed by Alpha ☐				ANALYSIS		Sample Filtration							
Other project specific requirements/comments:				Sample Specific Comments		Sample Specific Comments							
Please specify Metals or TAL.				Sample Specific Comments		Sample Specific Comments							
ALPHA Lab ID (Lab Use Only)	Sample ID	Collection		Sample Matrix	Sampler's Initials	NYTCL-8260	NYTCL-8270/SIM-RVT	TAL600/TAL-2007S	TDS-2540/TSS-2540	Cl-4500/Br-300	No3/No2-4500-PPB	TOTALNITROGEN	Total Bottles
		Date	Time										
38805-01	MW-4S	6/19/25	1110	AQ	AI	✓	×	×	×	✓	×	✓	13
-02	MW-4D2	↓	1105	↓	BW	×	×	✓	×	×	×	×	13
-03	SCD0H - DR	↓	1000	↓	AI	×	×	✓	×	✓	×	×	13
-04	MW-10S	↓	838	↓	BW	×	×	×	×	×	×	×	13
-05	MW-10D	6/19/25	850	AQ	AI	×	×	×	×	×	×	×	13
-06	EQUIPMENT BLANK	6/19/25	1200	AQ	AI	×	✓	×	×	×	×	×	13
-07	TRIP BLANK	-	-	AQ	-	×							2
Preservative Code: A = None B = HCl C = HNO ₃ D = H ₂ SO ₄ E = NaOH F = MeOH G = NaHSO ₄ H = Na ₂ S ₂ O ₃ K/E = Zn Ac/NaOH O = Other		Container Code: P = Plastic A = Amber Glass V = Vial G = Glass B = Bacteria Cup C = Cube O = Other E = Encore D = BOD Bottle		Westboro: Certification No: MA935 Mansfield: Certification No: MA015		Container Type V A P A P A A		Preservative B A C A A D D		Please print clearly, legibly and completely. Samples can not be logged in and turnaround time clock will not start until any ambiguities are resolved. BY EXECUTING THIS COC, THE CLIENT HAS READ AND AGREES TO BE BOUND BY ALPHA'S TERMS & CONDITIONS.			
Form No: 01-25 (rev. 30-Sept-2013)		Relinquished By:  MO A Page Anthony Green		Date/Time 6/19/25 1530 6/19/25 1800 6/19/25 2205		Received By:  Anthony Green		Date/Time 6/19/25 1515 JUN 19 2025 2205 06/20/25 0322					
		06/20/25 0322		06/20/25 0322									



NEW YORK CHAIN OF CUSTODY Westborough, MA 01581 8 Walkup Dr. TEL: 508-898-9220 FAX: 508-898-9193		Service Centers Mahwah, NJ 07430: 35 Whitney Rd, Suite 5 Albany, NY 12205: 14 Walker Way Tonawanda, NY 14150: 275 Cooper Ave, Suite 105		Page X1 of 1		Date Rec'd in Lab 6/20/25		ALPHA Job # L2538805																																																																																																																																																																																																																																																																																																																											
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Client Information Client: ROUX Env.Eng.&Geology, DPC Address: 209 Shafter Street Islandia, NY 11749-5074 Phone: 631-232-2600 Fax: _____ Email: aiervolino@Rouxinc.com		Project Manager: Ashley Iervolino ALPHAQuote #: 25147 Turn-Around Time Standard ☒ Due Date: _____ Rush (only if pre approved) ☐ # of Days: _____		Regulatory Requirement ☐ NY TOGS ☐ NY Part 375 ☐ AWQ Standards ☐ NY CP-51 ☐ NY Restricted Use ☐ Other ☐ NY Unrestricted Use ☐ NYC Sewer Discharge		Disposal Site Information Please identify below location of applicable disposal facilities. Disposal Facility: _____ ☐ NJ ☐ NY ☐ Other: _____																																																																																																																																																																																																																																																																																																																													
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Organics

GC/MS 8260

Analysis

Volatiles QC Summary

Surrogate Recovery Summary

Form 2

Volatiles

Client: Roux Env. Eng. & Geology, DPC
Project Name: CORAM GROUNDWATER EVENT

Lab Number: L2538805
Project Number: 2232.0006Y005
Matrix: Equipment Blank/Trip Blank (Aqueous)/Water

CLIENT ID (LAB SAMPLE NO.)	SMC1 DCA	SMC2 TOL	SMC3 BFB	SMC4 DBFM	TOT OUT
MW-4S (L2538805-01)	113	100	94	114	0
MW-4D2 (L2538805-02)	114	98	92	118	0
SCDOH-DR (L2538805-03)	113	99	90	117	0
MW-10S (L2538805-04)	111	100	91	116	0
MW-10D (L2538805-05)	115	97	92	121	0
EQUIPMENT BLANK (L2538805-06)	113	97	94	121	0
TRIP BLANK (L2538805-07)	115	98	92	119	0
WG2084006-3LCS	111	101	88	106	0
WG2084006-4LCSD	110	102	89	105	0
WG2084006-5BLANK	111	99	93	116	0
MW-104_061825MS	111	99	82	110	0
MW-104_061825MSD	108	100	86	107	0

QC LIMITS

(70-130) DCA = 1,2-DICHLOROETHANE-D4
(70-130) TOL = TOLUENE-D8
(70-130) BFB = 4-BROMOFLUOROBENZENE
(70-130) DBFM = DIBROMOFLUOROMETHANE

* Values outside of QC limits

FORM II NYTCL-8260



Laboratory Control Sample Summary

Form 3

Volatiles

Client : Roux Env. Eng. & Geology, DPC Lab Number : L2538805
 Project Name : CORAM GROUNDWATER EVENT Project Number : 2232.0006Y005
 Matrix (Level) : WATER (LOW)
 LCS Sample ID : WG2084006-3 Analysis Date : 06/24/25 22:48 File ID : VE250624N02
 LCSD Sample ID : WG2084006-4 Analysis Date : 06/24/25 23:13 File ID : VE250624N03

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R			
Methylene chloride	10	11	110	10	11	110	0	70-130	20
1,1-Dichloroethane	10	10	100	10	10	100	0	70-130	20
Chloroform	10	10	100	10	10	100	0	70-130	20
Carbon tetrachloride	10	10	100	10	9.8	98	2	63-132	20
1,2-Dichloropropane	10	9.7	97	10	9.6	96	1	70-130	20
Dibromochloromethane	10	9.4	94	10	9.1	91	3	63-130	20
1,1,2-Trichloroethane	10	10	100	10	9.6	96	4	70-130	20
Tetrachloroethene	10	11	110	10	10	100	10	70-130	20
Chlorobenzene	10	10	100	10	9.8	98	2	75-130	20
Trichlorofluoromethane	10	12	120	10	12	120	0	62-150	20
1,2-Dichloroethane	10	10	100	10	10	100	0	70-130	20
1,1,1-Trichloroethane	10	10	100	10	10	100	0	67-130	20
Bromodichloromethane	10	9.8	98	10	9.6	96	2	67-130	20
trans-1,3-Dichloropropene	10	9.0	90	10	9.1	91	1	70-130	20
cis-1,3-Dichloropropene	10	9.5	95	10	9.4	94	1	70-130	20
Bromoform	10	9.0	90	10	9.1	91	1	54-136	20
1,1,2,2-Tetrachloroethane	10	9.7	97	10	9.8	98	1	67-130	20
Benzene	10	9.8	98	10	9.7	97	1	70-130	20
Toluene	10	10	100	10	9.8	98	2	70-130	20
Ethylbenzene	10	9.7	97	10	9.7	97	0	70-130	20
Chloromethane	10	7.9	79	10	7.4	74	7	64-130	20
Bromomethane	10	9.5	95	10	8.8	88	8	39-139	20
Vinyl chloride	10	10	100	10	11	110	10	55-140	20
Chloroethane	10	12	120	10	11	110	9	55-138	20
1,1-Dichloroethene	10	11	110	10	11	110	0	61-145	20
trans-1,2-Dichloroethene	10	10	100	10	10	100	0	70-130	20



Laboratory Control Sample Summary

Form 3

Volatiles

Client : Roux Env. Eng. & Geology, DPC Lab Number : L2538805
 Project Name : CORAM GROUNDWATER EVENT Project Number : 2232.0006Y005
 Matrix (Level) : WATER (LOW)
 LCS Sample ID : WG2084006-3 Analysis Date : 06/24/25 22:48 File ID : VE250624N02
 LCSD Sample ID : WG2084006-4 Analysis Date : 06/24/25 23:13 File ID : VE250624N03

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R			
Trichloroethene	10	10	100	10	10	100	0	70-130	20
1,2-Dichlorobenzene	10	9.8	98	10	9.8	98	0	70-130	20
1,3-Dichlorobenzene	10	9.6	96	10	9.5	95	1	70-130	20
1,4-Dichlorobenzene	10	9.2	92	10	9.3	93	1	70-130	20
Methyl tert butyl ether	10	9.5	95	10	9.5	95	0	63-130	20
p/m-Xylene	20	19	95	20	19	95	0	70-130	20
o-Xylene	20	19	95	20	18	90	5	70-130	20
cis-1,2-Dichloroethene	10	10	100	10	10	100	0	70-130	20
Styrene	20	19	95	20	18	90	5	70-130	20
Dichlorodifluoromethane	10	8.2	82	10	8.2	82	0	36-147	20
Acetone	10	10	100	10	10	100	0	58-148	20
Carbon disulfide	10	11	110	10	11	110	0	51-130	20
2-Butanone	10	8.5	85	10	8.9	89	5	63-138	20
4-Methyl-2-pentanone	10	8.9	89	10	9.1	91	2	59-130	20
2-Hexanone	10	6.9	69	10	6.9	69	0	57-130	20
Bromochloromethane	10	11	110	10	10	100	10	70-130	20
1,2-Dibromoethane	10	9.7	97	10	9.6	96	1	70-130	20
1,2-Dibromo-3-chloropropane	10	10	100	10	9.8	98	2	41-144	20
Isopropylbenzene	10	8.8	88	10	8.8	88	0	70-130	20
1,2,3-Trichlorobenzene	10	9.6	96	10	9.8	98	2	70-130	20
1,2,4-Trichlorobenzene	10	9.3	93	10	9.4	94	1	70-130	20
Methyl Acetate	10	8.0	80	10	8.8	88	10	70-130	20
Cyclohexane	10	9.3	93	10	9.2	92	1	70-130	20
Freon-113	10	12	120	10	12	120	0	70-130	20
Methyl cyclohexane	10	9.4	94	10	9.5	95	1	70-130	20



**Method Blank Summary
Form 4
Volatiles**

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab Sample ID	: WG2084006-5	Lab File ID	: VE250624N06
Instrument ID	: ELAINE		
Matrix	: WATER	Analysis Date	: 06/25/25 00:28

Client Sample No.	Lab Sample ID	Analysis Date
WG2084006-3LCS	WG2084006-3	06/24/25 22:48
WG2084006-4LCSD	WG2084006-4	06/24/25 23:13
MW-4S	L2538805-01	06/25/25 00:52
MW-4D2	L2538805-02	06/25/25 01:17
SCDOH-DR	L2538805-03	06/25/25 01:41
MW-10S	L2538805-04	06/25/25 02:06
MW-10D	L2538805-05	06/25/25 02:31
EQUIPMENT BLANK	L2538805-06	06/25/25 02:55
TRIP BLANK	L2538805-07	06/25/25 03:19
MW-104_061825MS	WG2084006-6	06/25/25 06:10
MW-104_061825MSD	WG2084006-7	06/25/25 06:34



Instrument Performance Check (Tune) Summary

Form 5

Volatiles

Bromofluorobenzene (BFB)

Client : Roux Env. Eng. & Geology, DPC	Lab Number : L2538805
Project Name : CORAM GROUNDWATER EVENT	Project Number : 2232.0006Y005
Instrument ID : ELAINE	Analysis Date : 05/23/25 00:35
Tune Standard : WG2070650-1	Tune File ID : VE250523ABF3_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	22.9
75	30.0 - 80.0% of mass 95	51
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.7 (.9)1
174	Greater than 50.0% of mass 95	80.5
175	5.0 - 9.0% of mass 174	6.6 (8.2)1
176	Greater than 95.0% but less than 101% of mass	78.8 (97.8)1
177	5.0 - 9.0% of mass 176	5.5 (7)2

1-Value is % of mass 174 2-Value is % of mass 176

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
STD0.19PPB	R1969228-1	VE250523A03	05/23/25 01:46
STD0.5PPB	R1969228-2	VE250523A05	05/23/25 02:35
STD2PPB	R1969228-3	VE250523A07	05/23/25 03:23
STD10PPB	R1969228-4	VE250523A09	05/23/25 04:12
STD30PPB	R1969228-5	VE250523A10	05/23/25 04:36
STD80PPB	R1969228-6	VE250523A11	05/23/25 05:00
STD120PPB	R1969228-7	VE250523A12	05/23/25 05:25
STD200PPB	R1969228-8	VE250523A13	05/23/25 05:49
ICV Quant Report	R1969228-9	VE250523A18	05/23/25 07:50



Instrument Performance Check (Tune) Summary

Form 5

Volatiles

Bromofluorobenzene (BFB)

Client : Roux Env. Eng. & Geology, DPC	Lab Number : L2538805
Project Name : CORAM GROUNDWATER EVENT	Project Number : 2232.0006Y005
Instrument ID : ELAINE	Analysis Date : 06/24/25 22:24
Tune Standard : WG2084006-1	Tune File ID : VE250624N01_tune

m/e	Ion Abundance Criteria	%Relative Abundance
50	15.0 - 40.0% of mass 95	20.6
75	30.0 - 80.0% of mass 95	49.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	1 (1.1)1
174	Greater than 50.0% of mass 95	94.3
175	5.0 - 9.0% of mass 174	7.2 (7.7)1
176	Greater than 95.0% but less than 101% of mass	90.3 (95.8)1
177	5.0 - 9.0% of mass 176	5.4 (6)2

1-Value is % of mass 174 2-Value is % of mass 176

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG2084006-2CCAL	WG2084006-2	VE250624N02	06/24/25 22:48
WG2084006-3LCS	WG2084006-3	VE250624N02	06/24/25 22:48
WG2084006-4LCSD	WG2084006-4	VE250624N03	06/24/25 23:13
WG2084006-5BLANK	WG2084006-5	VE250624N06	06/25/25 00:28
MW-4S	L2538805-01	VE250624N07	06/25/25 00:52
MW-4D2	L2538805-02	VE250624N08	06/25/25 01:17
SCDOH-DR	L2538805-03	VE250624N09	06/25/25 01:41
MW-10S	L2538805-04	VE250624N10	06/25/25 02:06
MW-10D	L2538805-05	VE250624N11	06/25/25 02:31
EQUIPMENT BLANK	L2538805-06	VE250624N12	06/25/25 02:55
TRIP BLANK	L2538805-07	VE250624N13	06/25/25 03:19
WG2084006-6MS	WG2084006-6	VE250624N20	06/25/25 06:10
WG2084006-7MSD	WG2084006-7	VE250624N21	06/25/25 06:34



Internal Standard Area and RT Summary

Form 8a

Volatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM GROUNDWATER EVENT
 Instrument ID : ELAINE
 Sample No : WG2084006-2

Lab Number : L2538805
 Project Number : 2232.0006Y005
 Analysis Date : 06/24/25 22:48:00
 Lab File ID : VE250624N02

	Fluorobenzene (IS)		Chlorobenzene-d5		1,4-Dichlorobenzene-D4	
	Area	RT	Area	RT	Area	RT
WG2084006-2	281780	5.75	232207	9.25	145386	12.01
Upper Limit	563560	6.25	464414	9.75	290772	12.51
Lower Limit	140890	5.25	116104	8.75	72693	11.51
Sample ID						
WG2084006-3 LCS	281780	5.75	232207	9.25	145386	12.01
WG2084006-4 LCSD	289222	5.75	239700	9.25	147998	12.01
WG2084006-5 BLANK	254063	5.75	215755	9.25	127733	12.01
MW-4S	254852	5.75	215012	9.25	127713	12.02
MW-4D2	246479	5.75	214821	9.25	126399	12.01
SCDOH-DR	244704	5.74	210905	9.25	125762	12.01
MW-10S	239723	5.75	206145	9.25	122103	12.01
MW-10D	231995	5.75	205605	9.25	120955	12.01
EQUIPMENT BLANK	228529	5.75	204312	9.25	117812	12.01
TRIP BLANK	232544	5.75	202378	9.25	118467	12.01
MW-104_061825 MS	259040	5.75	213667	9.25	133201	12.01
MW-104_061825 MSD	273986	5.75	220096	9.25	135237	12.01

Area Upper Limit = +100% of internal standard area
 Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
 RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits





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Volatile Organics - EPA 8260D (WATER)

Holding Time: 14 days
Container/Sample Preservation: 3 - Vial HCl preserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Methylene chloride	75-09-2	3	0.678	ug/l	70-130	20	70-130	20	20			
1,1-Dichloroethane	75-34-3	0.75	0.21	ug/l	70-130	20	70-130	20	20			
Chloroform	67-66-3	0.75	0.222	ug/l	70-130	20	70-130	20	20			
Carbon tetrachloride	56-23-5	0.5	0.134	ug/l	63-132	20	63-132	20	20			
1,2-Dichloropropane	78-87-5	1.75	0.137	ug/l	70-130	20	70-130	20	20			
Dibromochloromethane	124-48-1	0.5	0.149	ug/l	63-130	20	63-130	20	20			
1,1,2-Trichloroethane	79-00-5	0.75	0.144	ug/l	70-130	20	70-130	20	20			
Tetrachloroethene	127-18-4	0.5	0.181	ug/l	70-130	20	70-130	20	20			
Chlorobenzene	108-90-7	0.5	0.178	ug/l	75-130	25	75-130	25	25			
Trichlorofluoromethane	75-69-4	2.5	0.161	ug/l	62-150	20	62-150	20	20			
1,2-Dichloroethane	107-06-2	0.5	0.132	ug/l	70-130	20	70-130	20	20			
1,1,1-Trichloroethane	71-55-6	0.5	0.158	ug/l	67-130	20	67-130	20	20			
Bromodichloromethane	75-27-4	0.5	0.192	ug/l	67-130	20	67-130	20	20			
trans-1,3-Dichloropropene	10061-02-6	0.5	0.164	ug/l	70-130	20	70-130	20	20			
cis-1,3-Dichloropropene	10061-01-5	0.5	0.144	ug/l	70-130	20	70-130	20	20			
1,3-Dichloropropene, Total	542-75-6	0.5	0.144	ug/l				20	20			
1,1-Dichloropropene	563-58-6	2.5	0.24	ug/l	70-130	20	70-130	20	20			
Bromoform	75-25-2	2	0.248	ug/l	54-136	20	54-136	20	20			
1,1,2,2-Tetrachloroethane	79-34-5	0.5	0.167	ug/l	67-130	20	67-130	20	20			
Benzene	71-43-2	0.5	0.159	ug/l	70-130	25	70-130	25	25			
Toluene	108-88-3	0.75	0.203	ug/l	70-130	25	70-130	25	25			
Ethylbenzene	100-41-4	0.5	0.167	ug/l	70-130	20	70-130	20	20			
Chloromethane	74-87-3	2.5	0.2	ug/l	64-130	20	64-130	20	20			
Bromomethane	74-83-9	1	0.256	ug/l	39-139	20	39-139	20	20			
Vinyl chloride	75-01-4	1	0.0714	ug/l	55-140	20	55-140	20	20			
Chloroethane	75-00-3	1	0.134	ug/l	55-138	20	55-138	20	20			
1,1-Dichloroethene	75-35-4	0.5	0.169	ug/l	61-145	25	61-145	25	25			
trans-1,2-Dichloroethene	156-60-5	0.75	0.163	ug/l	70-130	20	70-130	20	20			
1,2-Dichloroethene (total)	540-59-0	0.5	0.163	ug/l				20	20			
Trichloroethene	79-01-6	0.5	0.175	ug/l	70-130	25	70-130	25	25			
1,2-Dichlorobenzene	95-50-1	2.5	0.184	ug/l	70-130	20	70-130	20	20			
1,3-Dichlorobenzene	541-73-1	2.5	0.186	ug/l	70-130	20	70-130	20	20			
1,4-Dichlorobenzene	106-46-7	2.5	0.187	ug/l	70-130	20	70-130	20	20			
Methyl tert butyl ether	1634-04-4	1	0.166	ug/l	63-130	20	63-130	20	20			
p/m-Xylene	179601-23-1	1	0.332	ug/l	70-130	20	70-130	20	20			
o-Xylene	95-47-6	1	0.392	ug/l	70-130	20	70-130	20	20			
Xylene (Total)	1330-20-7	1	0.33	ug/l				20	20			
cis-1,2-Dichloroethene	156-59-2	0.5	0.187	ug/l	70-130	20	70-130	20	20			
Dibromomethane	74-95-3	5	0.363	ug/l	70-130	20	70-130	20	20			
1,4-Dichlorobutane	110-56-5	5	0.464	ug/l	70-130	20	70-130	20	20			
1,2,3-Trichloropropane	96-18-4	5	0.176	ug/l	64-130	20	64-130	20	20			
Styrene	100-42-5	1	0.359	ug/l	70-130	20	70-130	20	20			

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of Pace Analytical Services.



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File: PM19302-1
Page: 2

Volatile Organics - EPA 8260D (WATER)

Holding Time: 14 days
Container/Sample Preservation: 3 - Vial HCl preserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Dichlorodifluoromethane	75-71-8	5	0.244	ug/l	36-147	20	36-147	20	20			
Acetone	67-64-1	5	1.46	ug/l	58-148	20	58-148	20	20			
Carbon disulfide	75-15-0	5	0.299	ug/l	51-130	20	51-130	20	20			
2-Butanone	78-93-3	5	1.94	ug/l	63-138	20	63-138	20	20			
Vinyl acetate	108-05-4	5	0.311	ug/l	70-130	20	70-130	20	20			
4-Methyl-2-pentanone	108-10-1	5	0.416	ug/l	59-130	20	59-130	20	20			
2-Hexanone	591-78-6	5	0.515	ug/l	57-130	20	57-130	20	20			
Ethyl methacrylate	97-63-2	5	0.606	ug/l	70-130	20	70-130	20	20			
Acrylonitrile	107-13-1	5	0.43	ug/l	70-130	20	70-130	20	20			
Bromochloromethane	74-97-5	2.5	0.152	ug/l	70-130	20	70-130	20	20			
Tetrahydrofuran	109-99-9	5	0.525	ug/l	58-130	20	58-130	20	20			
2,2-Dichloropropane	594-20-7	2.5	0.204	ug/l	63-133	20	63-133	20	20			
1,2-Dibromoethane	106-93-4	2	0.193	ug/l	70-130	20	70-130	20	20			
1,3-Dichloropropane	142-28-9	2.5	0.212	ug/l	70-130	20	70-130	20	20			
1,1,1,2-Tetrachloroethane	630-20-6	0.5	0.164	ug/l	64-130	20	64-130	20	20			
Bromobenzene	108-86-1	2.5	0.152	ug/l	70-130	20	70-130	20	20			
n-Butylbenzene	104-51-8	0.5	0.192	ug/l	53-136	20	53-136	20	20			
sec-Butylbenzene	135-98-8	0.5	0.181	ug/l	70-130	20	70-130	20	20			
tert-Butylbenzene	98-06-6	2.5	0.196	ug/l	70-130	20	70-130	20	20			
o-Chlorotoluene	95-49-8	2.5	0.215	ug/l	70-130	20	70-130	20	20			
p-Chlorotoluene	106-43-4	2.5	0.185	ug/l	70-130	20	70-130	20	20			
1,2-Dibromo-3-chloropropane	96-12-8	2.5	0.353	ug/l	41-144	20	41-144	20	20			
Hexachlorobutadiene	87-68-3	0.5	0.217	ug/l	63-130	20	63-130	20	20			
Isopropylbenzene	98-82-8	0.5	0.187	ug/l	70-130	20	70-130	20	20			
p-Isopropyltoluene	99-87-6	0.5	0.188	ug/l	70-130	20	70-130	20	20			
Naphthalene	91-20-3	2.5	0.216	ug/l	70-130	20	70-130	20	20			
n-Propylbenzene	103-65-1	0.5	0.173	ug/l	69-130	20	69-130	20	20			
1,2,3-Trichlorobenzene	87-61-6	2.5	0.234	ug/l	70-130	20	70-130	20	20			
1,2,4-Trichlorobenzene	120-82-1	2.5	0.22	ug/l	70-130	20	70-130	20	20			
1,3,5-Trimethylbenzene	108-67-8	2.5	0.217	ug/l	64-130	20	64-130	20	20			
1,2,4-Trimethylbenzene	95-63-6	2.5	0.191	ug/l	70-130	20	70-130	20	20			
trans-1,4-Dichloro-2-butene	110-57-6	2.5	0.213	ug/l	70-130	20	70-130	20	20			
Ethyl ether	60-29-7	2.5	0.163	ug/l	59-134	20	59-134	20	20			
1,2-Dichloroethane-d4	17060-07-0									70-130		
Toluene-d8	2037-26-5									70-130		
4-Bromofluorobenzene	460-00-4									70-130		
Dibromofluoromethane	1868-53-7									70-130		

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of Pace Analytical Services.



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Volatiles Sample Data

Results Summary

Form 1

Volatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM GROUNDWATER EVENT
 Lab ID : L2538805-01
 Client ID : MW-4S
 Sample Location : 416 MILLER PLACE-YAPHANK RD.
 Sample Matrix : WATER
 Analytical Method : 1,8260D
 Lab File ID : VE250624N07
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2538805
 Project Number : 2232.0006Y005
 Date Collected : 06/19/25 11:10
 Date Received : 06/19/25
 Date Analyzed : 06/25/25 00:52
 Dilution Factor : 1
 Analyst : AJK
 Instrument ID : ELAINE
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM GROUNDWATER EVENT
 Lab ID : L2538805-01
 Client ID : MW-4S
 Sample Location : 416 MILLER PLACE-YAPHANK RD.
 Sample Matrix : WATER
 Analytical Method : 1,8260D
 Lab File ID : VE250624N07
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2538805
 Project Number : 2232.0006Y005
 Date Collected : 06/19/25 11:10
 Date Received : 06/19/25
 Date Analyzed : 06/25/25 00:52
 Dilution Factor : 1
 Analyst : AJK
 Instrument ID : ELAINE
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-01	Date Collected	: 06/19/25 11:10
Client ID	: MW-4S	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 06/25/25 00:52
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: AJK
Lab File ID	: VE250624N07	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM GROUNDWATER EVENT
 Lab ID : L2538805-02
 Client ID : MW-4D2
 Sample Location : 416 MILLER PLACE-YAPHANK RD.
 Sample Matrix : WATER
 Analytical Method : 1,8260D
 Lab File ID : VE250624N08
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2538805
 Project Number : 2232.0006Y005
 Date Collected : 06/19/25 11:05
 Date Received : 06/19/25
 Date Analyzed : 06/25/25 01:17
 Dilution Factor : 1
 Analyst : AJK
 Instrument ID : ELAINE
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM GROUNDWATER EVENT
 Lab ID : L2538805-02
 Client ID : MW-4D2
 Sample Location : 416 MILLER PLACE-YAPHANK RD.
 Sample Matrix : WATER
 Analytical Method : 1,8260D
 Lab File ID : VE250624N08
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2538805
 Project Number : 2232.0006Y005
 Date Collected : 06/19/25 11:05
 Date Received : 06/19/25
 Date Analyzed : 06/25/25 01:17
 Dilution Factor : 1
 Analyst : AJK
 Instrument ID : ELAINE
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-02	Date Collected	: 06/19/25 11:05
Client ID	: MW-4D2	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 06/25/25 01:17
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: AJK
Lab File ID	: VE250624N08	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM GROUNDWATER EVENT
 Lab ID : L2538805-03
 Client ID : SCDOH-DR
 Sample Location : 416 MILLER PLACE-YAPHANK RD.
 Sample Matrix : WATER
 Analytical Method : 1,8260D
 Lab File ID : VE250624N09
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2538805
 Project Number : 2232.0006Y005
 Date Collected : 06/19/25 10:00
 Date Received : 06/19/25
 Date Analyzed : 06/25/25 01:41
 Dilution Factor : 1
 Analyst : AJK
 Instrument ID : ELAINE
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM GROUNDWATER EVENT
 Lab ID : L2538805-03
 Client ID : SCDOH-DR
 Sample Location : 416 MILLER PLACE-YAPHANK RD.
 Sample Matrix : WATER
 Analytical Method : 1,8260D
 Lab File ID : VE250624N09
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2538805
 Project Number : 2232.0006Y005
 Date Collected : 06/19/25 10:00
 Date Received : 06/19/25
 Date Analyzed : 06/25/25 01:41
 Dilution Factor : 1
 Analyst : AJK
 Instrument ID : ELAINE
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-03	Date Collected	: 06/19/25 10:00
Client ID	: SCDOH-DR	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 06/25/25 01:41
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: AJK
Lab File ID	: VE250624N09	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM GROUNDWATER EVENT
 Lab ID : L2538805-04
 Client ID : MW-10S
 Sample Location : 416 MILLER PLACE-YAPHANK RD.
 Sample Matrix : WATER
 Analytical Method : 1,8260D
 Lab File ID : VE250624N10
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2538805
 Project Number : 2232.0006Y005
 Date Collected : 06/19/25 08:38
 Date Received : 06/19/25
 Date Analyzed : 06/25/25 02:06
 Dilution Factor : 1
 Analyst : AJK
 Instrument ID : ELAINE
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM GROUNDWATER EVENT
 Lab ID : L2538805-04
 Client ID : MW-10S
 Sample Location : 416 MILLER PLACE-YAPHANK RD.
 Sample Matrix : WATER
 Analytical Method : 1,8260D
 Lab File ID : VE250624N10
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2538805
 Project Number : 2232.0006Y005
 Date Collected : 06/19/25 08:38
 Date Received : 06/19/25
 Date Analyzed : 06/25/25 02:06
 Dilution Factor : 1
 Analyst : AJK
 Instrument ID : ELAINE
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	2.0	5.0	1.5	J
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-04	Date Collected	: 06/19/25 08:38
Client ID	: MW-10S	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 06/25/25 02:06
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: AJK
Lab File ID	: VE250624N10	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM GROUNDWATER EVENT
 Lab ID : L2538805-05
 Client ID : MW-10D
 Sample Location : 416 MILLER PLACE-YAPHANK RD.
 Sample Matrix : WATER
 Analytical Method : 1,8260D
 Lab File ID : VE250624N11
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2538805
 Project Number : 2232.0006Y005
 Date Collected : 06/19/25 08:50
 Date Received : 06/19/25
 Date Analyzed : 06/25/25 02:31
 Dilution Factor : 1
 Analyst : AJK
 Instrument ID : ELAINE
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM GROUNDWATER EVENT
 Lab ID : L2538805-05
 Client ID : MW-10D
 Sample Location : 416 MILLER PLACE-YAPHANK RD.
 Sample Matrix : WATER
 Analytical Method : 1,8260D
 Lab File ID : VE250624N11
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2538805
 Project Number : 2232.0006Y005
 Date Collected : 06/19/25 08:50
 Date Received : 06/19/25
 Date Analyzed : 06/25/25 02:31
 Dilution Factor : 1
 Analyst : AJK
 Instrument ID : ELAINE
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-05	Date Collected	: 06/19/25 08:50
Client ID	: MW-10D	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 06/25/25 02:31
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: AJK
Lab File ID	: VE250624N11	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM GROUNDWATER EVENT
 Lab ID : L2538805-06
 Client ID : EQUIPMENT BLANK
 Sample Location : 416 MILLER PLACE-YAPHANK RD.
 Sample Matrix : Equipment Blank
 Analytical Method : 1,8260D
 Lab File ID : VE250624N12
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2538805
 Project Number : 2232.0006Y005
 Date Collected : 06/19/25 12:00
 Date Received : 06/19/25
 Date Analyzed : 06/25/25 02:55
 Dilution Factor : 1
 Analyst : AJK
 Instrument ID : ELAINE
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM GROUNDWATER EVENT
 Lab ID : L2538805-06
 Client ID : EQUIPMENT BLANK
 Sample Location : 416 MILLER PLACE-YAPHANK RD.
 Sample Matrix : Equipment Blank
 Analytical Method : 1,8260D
 Lab File ID : VE250624N12
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2538805
 Project Number : 2232.0006Y005
 Date Collected : 06/19/25 12:00
 Date Received : 06/19/25
 Date Analyzed : 06/25/25 02:55
 Dilution Factor : 1
 Analyst : AJK
 Instrument ID : ELAINE
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	3.4	5.0	1.5	J
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-06	Date Collected	: 06/19/25 12:00
Client ID	: EQUIPMENT BLANK	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 06/25/25 02:55
Sample Matrix	: Equipment Blank	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: AJK
Lab File ID	: VE250624N12	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM GROUNDWATER EVENT
 Lab ID : L2538805-07
 Client ID : TRIP BLANK
 Sample Location : 416 MILLER PLACE-YAPHANK RD.
 Sample Matrix : Trip Blank (aqueous)
 Analytical Method : 1,8260D
 Lab File ID : VE250624N13
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2538805
 Project Number : 2232.0006Y005
 Date Collected : 06/19/25 00:00
 Date Received : 06/19/25
 Date Analyzed : 06/25/25 03:19
 Dilution Factor : 1
 Analyst : AJK
 Instrument ID : ELAINE
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM GROUNDWATER EVENT
 Lab ID : L2538805-07
 Client ID : TRIP BLANK
 Sample Location : 416 MILLER PLACE-YAPHANK RD.
 Sample Matrix : Trip Blank (aqueous)
 Analytical Method : 1,8260D
 Lab File ID : VE250624N13
 Sample Amount : 10 ml
 Level : LOW
 Extract Volume (MeOH) : N/A

Lab Number : L2538805
 Project Number : 2232.0006Y005
 Date Collected : 06/19/25 00:00
 Date Received : 06/19/25
 Date Analyzed : 06/25/25 03:19
 Dilution Factor : 1
 Analyst : AJK
 Instrument ID : ELAINE
 GC Column : RTX-502.2
 %Solids : N/A
 Injection Volume : N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-07	Date Collected	: 06/19/25 00:00
Client ID	: TRIP BLANK	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 06/25/25 03:19
Sample Matrix	: Trip Blank (aqueous)	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: AJK
Lab File ID	: VE250624N13	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: WG2084006-5	Date Collected	: NA
Client ID	: WG2084006-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 06/25/25 00:28
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: TMS
Lab File ID	: VE250624N06	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
75-09-2	Methylene chloride	ND	2.5	0.70	U
75-34-3	1,1-Dichloroethane	ND	2.5	0.70	U
67-66-3	Chloroform	ND	2.5	0.70	U
56-23-5	Carbon tetrachloride	ND	0.50	0.13	U
78-87-5	1,2-Dichloropropane	ND	1.0	0.14	U
124-48-1	Dibromochloromethane	ND	0.50	0.15	U
79-00-5	1,1,2-Trichloroethane	ND	1.5	0.50	U
127-18-4	Tetrachloroethene	ND	0.50	0.18	U
108-90-7	Chlorobenzene	ND	2.5	0.70	U
75-69-4	Trichlorofluoromethane	ND	2.5	0.70	U
107-06-2	1,2-Dichloroethane	ND	0.50	0.13	U
71-55-6	1,1,1-Trichloroethane	ND	2.5	0.70	U
75-27-4	Bromodichloromethane	ND	0.50	0.19	U
10061-02-6	trans-1,3-Dichloropropene	ND	0.50	0.16	U
10061-01-5	cis-1,3-Dichloropropene	ND	0.50	0.14	U
75-25-2	Bromoform	ND	2.0	0.65	U
79-34-5	1,1,2,2-Tetrachloroethane	ND	0.50	0.17	U
71-43-2	Benzene	ND	0.50	0.16	U
108-88-3	Toluene	ND	2.5	0.70	U
100-41-4	Ethylbenzene	ND	2.5	0.70	U
74-87-3	Chloromethane	ND	2.5	0.70	U
74-83-9	Bromomethane	ND	2.5	0.70	U
75-01-4	Vinyl chloride	ND	1.0	0.07	U
75-00-3	Chloroethane	ND	2.5	0.70	U
75-35-4	1,1-Dichloroethene	ND	0.50	0.17	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: WG2084006-5	Date Collected	: NA
Client ID	: WG2084006-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 06/25/25 00:28
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: TMS
Lab File ID	: VE250624N06	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
156-60-5	trans-1,2-Dichloroethene	ND	2.5	0.70	U
79-01-6	Trichloroethene	ND	0.50	0.18	U
95-50-1	1,2-Dichlorobenzene	ND	2.5	0.70	U
541-73-1	1,3-Dichlorobenzene	ND	2.5	0.70	U
106-46-7	1,4-Dichlorobenzene	ND	2.5	0.70	U
1634-04-4	Methyl tert butyl ether	ND	2.5	0.17	U
179601-23-1	p/m-Xylene	ND	2.5	0.70	U
95-47-6	o-Xylene	ND	2.5	0.70	U
1330-20-7	Xylenes, Total	ND	2.5	0.70	U
156-59-2	cis-1,2-Dichloroethene	ND	2.5	0.70	U
100-42-5	Styrene	ND	2.5	0.70	U
75-71-8	Dichlorodifluoromethane	ND	5.0	1.0	U
67-64-1	Acetone	ND	5.0	1.5	U
75-15-0	Carbon disulfide	ND	5.0	1.0	U
78-93-3	2-Butanone	ND	5.0	1.9	U
108-10-1	4-Methyl-2-pentanone	ND	5.0	1.0	U
591-78-6	2-Hexanone	ND	5.0	1.0	U
74-97-5	Bromochloromethane	ND	2.5	0.70	U
106-93-4	1,2-Dibromoethane	ND	2.0	0.65	U
96-12-8	1,2-Dibromo-3-chloropropane	ND	2.5	0.70	U
98-82-8	Isopropylbenzene	ND	2.5	0.70	U
87-61-6	1,2,3-Trichlorobenzene	ND	2.5	0.70	U
120-82-1	1,2,4-Trichlorobenzene	ND	2.5	0.70	U
79-20-9	Methyl Acetate	ND	2.0	0.23	U
110-82-7	Cyclohexane	ND	10	0.27	U



Results Summary

Form 1

Volatile Organics by GC/MS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: WG2084006-5	Date Collected	: NA
Client ID	: WG2084006-5BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 06/25/25 00:28
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 1,8260D	Analyst	: TMS
Lab File ID	: VE250624N06	Instrument ID	: ELAINE
Sample Amount	: 10 ml	GC Column	: RTX-502.2
Level	: LOW	%Solids	: N/A
Extract Volume (MeOH)	: N/A	Injection Volume	: N/A

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
76-13-1	Freon-113	ND	2.5	0.70	U
108-87-2	Methyl cyclohexane	ND	10	0.40	U



Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250624A\
 Data File : VE250624N07.D
 Acq On : 25 Jun 2025 12:52 am
 Operator : ELAINE:AJK
 Sample : L2538805-01,31,10,10,,A
 Misc : WG2084006,ICAL22314
 ALS Vial : 36 Sample Multiplier: 1

Quant Time: Jun 26 08:14:13 2025
 Quant Method : K:\Elaine\2025\250624A\Elaine_250523A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri May 23 20:15:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250624A\VE250624N02.D
 Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.746	96	254852	10.000	ug/L	0.00
Standard Area 1 = 281780			Recovery	=	90.44%	
63) Chlorobenzene-d5	9.253	117	215012	10.000	ug/L	0.00
Standard Area 1 = 232207			Recovery	=	92.59%	
84) 1,4-Dichlorobenzene-d4	12.015	152	127713	10.000	ug/L	0.00
Standard Area 1 = 145386			Recovery	=	87.84%	
System Monitoring Compounds						
39) Dibromofluoromethane	4.951	113	81181	11.440	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	114.40%	
47) 1,2-Dichloroethane-d4	5.465	65	79640	11.335	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	113.35%	
64) Toluene-d8	7.420	98	269729	9.954	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	99.54%	
88) 4-Bromofluorobenzene	10.777	95	96320	9.356	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	93.56%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.351	85	126	N.D.		
3) Chloromethane	1.685	50	40	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	2.049	94	463	0.111	ug/L	94
6) Chloroethane	2.185	64	85	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
10) 1,1-Dichloroethene	2.668	96	86	N.D.		
11) Carbon disulfide	2.787	76	689	N.D.		
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	3.287	84	43	N.D.		
17) Acetone	3.335	43	1486	1.053	ug/L #	70
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
19) Methyl acetate	3.454	43	60	N.D.		
21) Methyl tert-butyl ether	3.529	73	43	N.D.		
25) 1,1-Dichloroethane	0.000		0	N.D.		
30) cis-1,2-Dichloroethene	0.000		0	N.D.		
33) Bromochloromethane	0.000		0	N.D.		
34) Cyclohexane	0.000		0	N.D.		
35) Chloroform	4.776	83	1043	0.096	ug/L #	78
37) Carbon tetrachloride	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

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 Misc : WG2084006,ICAL22314
 ALS Vial : 36 Sample Multiplier: 1

Quant Time: Jun 26 08:14:13 2025
 Quant Method : K:\Elaine\2025\250624A\Elaine_250523A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri May 23 20:15:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250624A\VE250624N02.D
 Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
40)	1,1,1-Trichloroethane	0.000		0		N.D.	
42)	2-Butanone	5.008	43	50		N.D.	
45)	Benzene	0.000		0		N.D.	
48)	1,2-Dichloroethane	5.540	62	48		N.D.	
51)	Methyl cyclohexane	0.000		0		N.D.	
52)	Trichloroethene	0.000		0		N.D.	
55)	1,2-Dichloropropane	0.000		0		N.D.	
58)	Bromodichloromethane	0.000		0		N.D.	
62)	cis-1,3-Dichloropropene	0.000		0		N.D.	
65)	Toluene	7.488	92	56		N.D.	
66)	4-Methyl-2-pentanone	0.000		0		N.D.	
67)	Tetrachloroethene	7.931	166	43		N.D.	
69)	trans-1,3-Dichloropropene	0.000		0		N.D.	
72)	1,1,2-Trichloroethane	0.000		0		N.D.	
73)	Chlorodibromomethane	0.000		0		N.D.	
75)	1,2-Dibromoethane	8.646	107	42		N.D.	
77)	2-Hexanone	8.986	43	50		N.D.	
78)	Chlorobenzene	9.275	112	128		N.D.	
79)	Ethylbenzene	9.253	91	446		N.D.	
81)	p/m Xylene	9.511	106	43		N.D.	
82)	o Xylene	10.103	106	46		N.D.	
83)	Styrene	0.000		0		N.D.	
85)	Bromoform	0.000		0		N.D.	
87)	Isopropylbenzene	0.000		0		N.D.	
92)	1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
105)	1,3-Dichlorobenzene	11.931	146	44		N.D.	
106)	1,4-Dichlorobenzene	12.019	146	231		N.D.	
109)	1,2-Dichlorobenzene	12.468	146	75		N.D.	
111)	1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
114)	1,2,4-Trichlorobenzene	13.869	180	223		N.D.	
116)	1,2,3-Trichlorobenzene	14.336	180	178		N.D.	

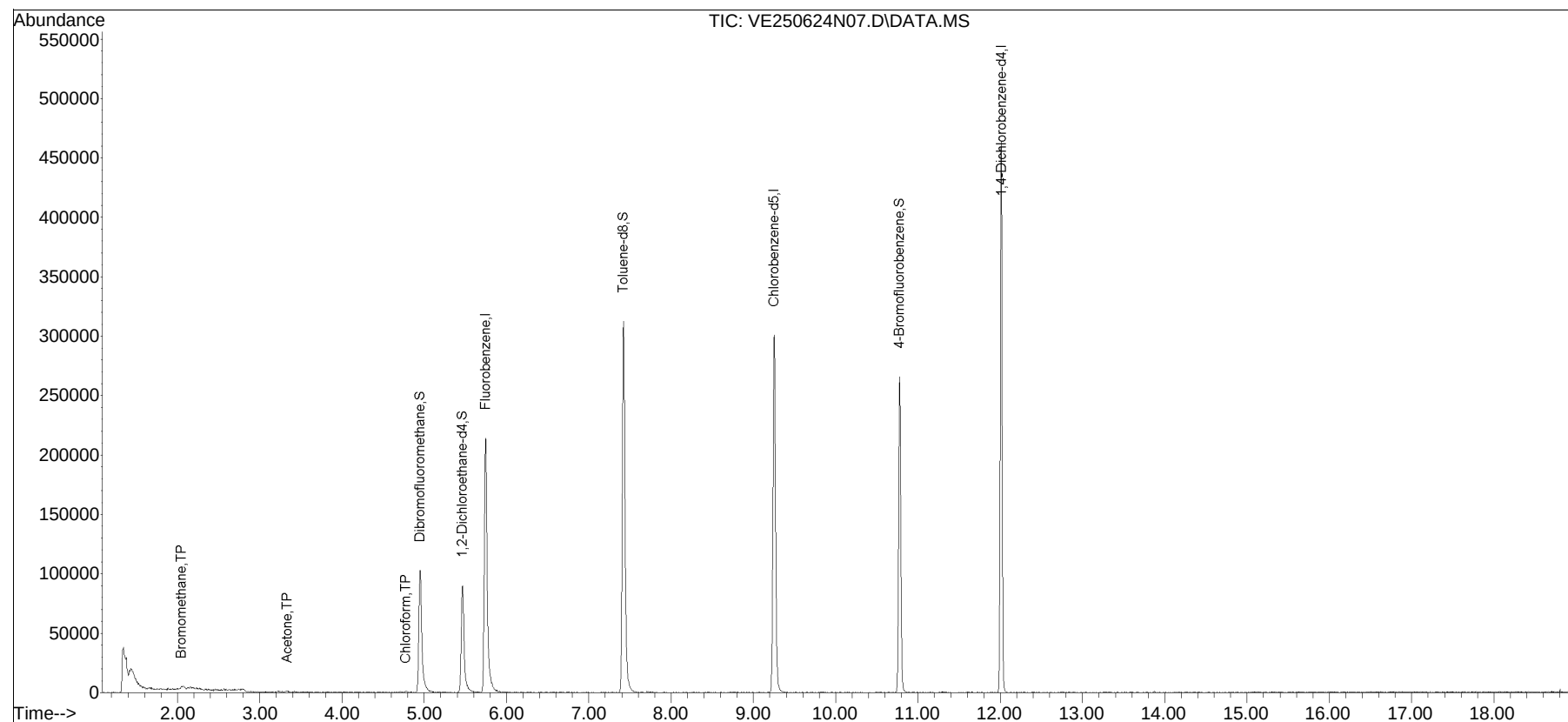
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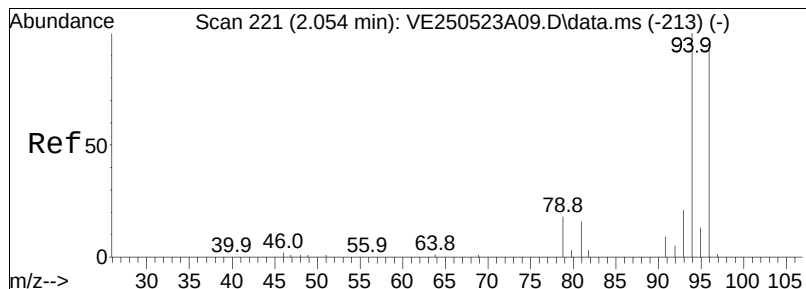
Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250624A\
 Data File : VE250624N07.D
 Acq On : 25 Jun 2025 12:52 am
 Operator : ELAINE:AJK
 Sample : L2538805-01,31,10,10,,A
 Misc : WG2084006,ICAL22314
 ALS Vial : 36 Sample Multiplier: 1

Quant Time: Jun 26 08:14:13 2025
 Quant Method : K:\Elaine\2025\250624A\Elaine_250523A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri May 23 20:15:15 2025
 Response via : Initial Calibration

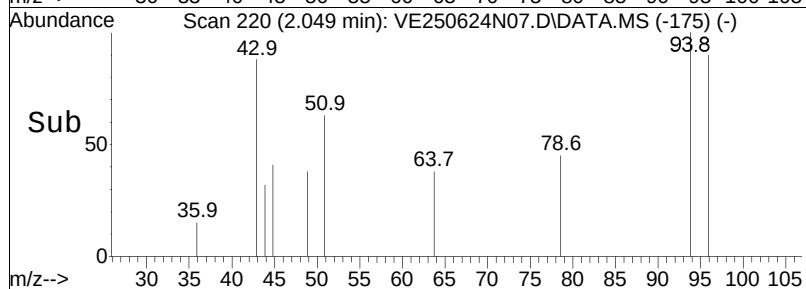
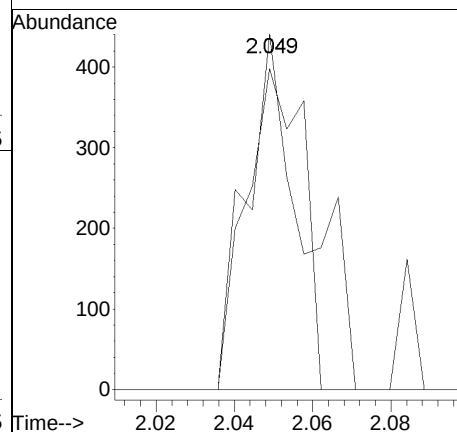
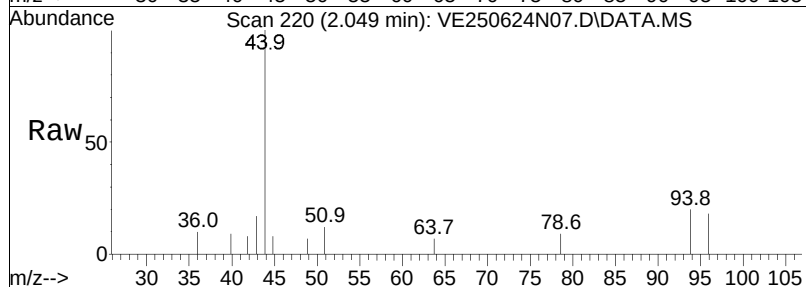
Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve

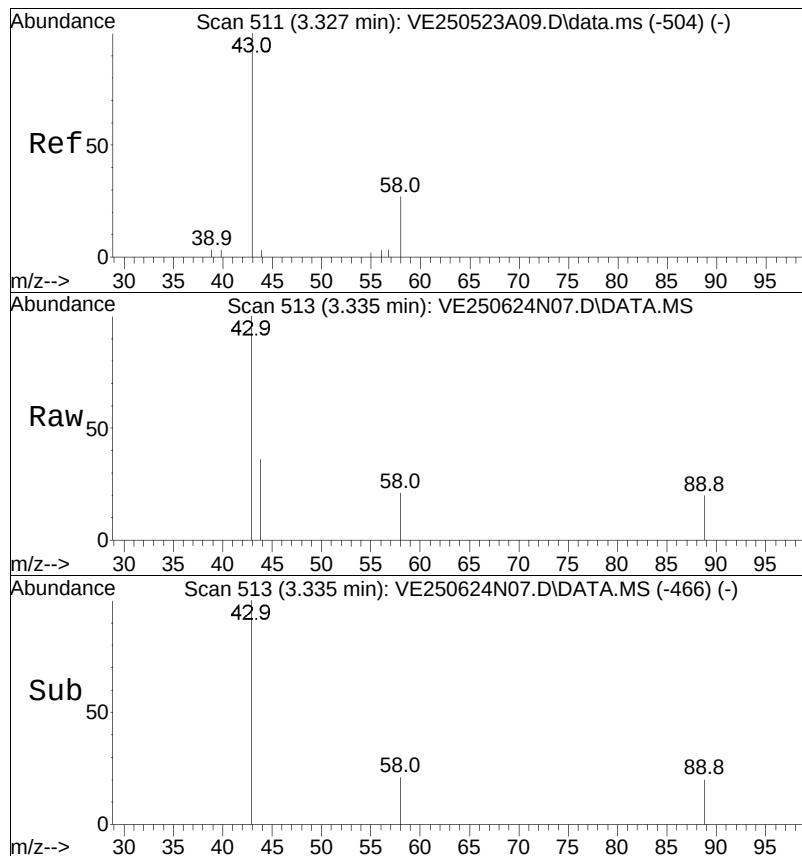




#5
 Bromomethane
 Concen: 0.11 ug/L
 RT: 2.049 min Scan# 220
 Delta R.T. -0.005 min
 Lab File: VE250624N07.D
 Acq: 25 Jun 2025 12:52 am

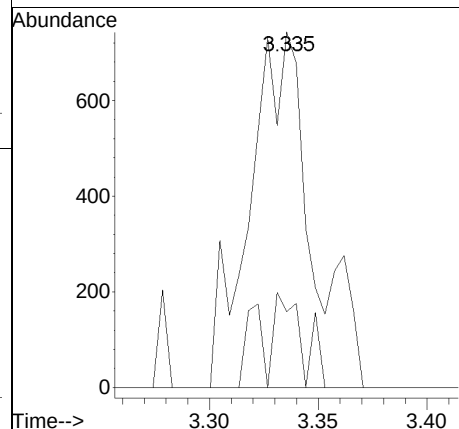
Tgt Ion: 94 Resp: 463
 Ion Ratio Lower Upper
 94 100
 96 87.0 72.7 112.7

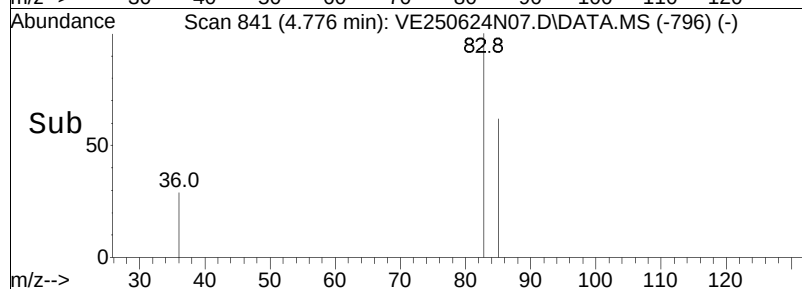
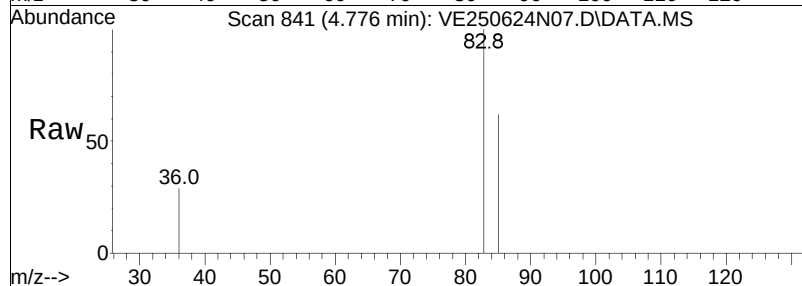
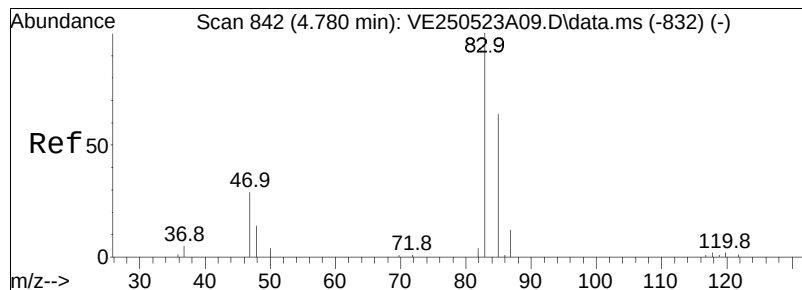




#17
 Acetone
 Concen: 1.05 ug/L
 RT: 3.335 min Scan# 513
 Delta R.T. 0.008 min
 Lab File: VE250624N07.D
 Acq: 25 Jun 2025 12:52 am

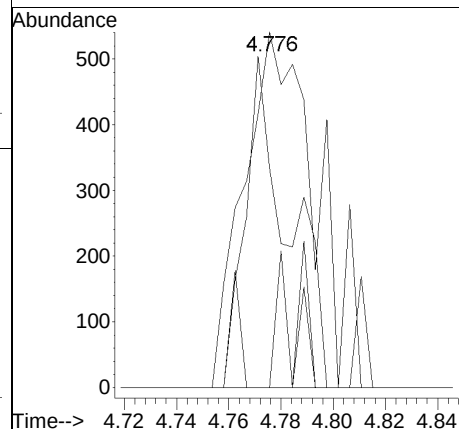
Tgt Ion	Ratio	Lower	Upper
43	100		
58	12.2	22.4	33.6#





#35
 Chloroform
 Concen: 0.10 ug/L
 RT: 4.776 min Scan# 841
 Delta R.T. -0.005 min
 Lab File: VE250624N07.D
 Acq: 25 Jun 2025 12:52 am

Tgt Ion:	83	Resp:	1043
Ion Ratio	Lower	Upper	
83	100		
85	55.7	41.7	86.5
47	4.5	17.4	36.2#
48	0.0	9.2	19.0#



Manual Integration Report

Data Path	: K:\Elaine\2025\250624A\	QMethod	: Elaine_250523A_8260.m
Data File	: VE250624N07.D	Operator	: ELAINE:AJK
Date Inj'd	: 6/25/2025 12:52 am	Instrument	: Elaine
Sample	: L2538805-01,31,10,10,,A	Quant Date	: 6/26/2025 8:11 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250624A\
 Data File : VE250624N08.D
 Acq On : 25 Jun 2025 1:17 am
 Operator : ELAINE:AJK
 Sample : L2538805-02,31,10,10,,A
 Misc : WG2084006,ICAL22314
 ALS Vial : 37 Sample Multiplier: 1

Quant Time: Jun 26 08:14:35 2025
 Quant Method : K:\Elaine\2025\250624A\Elaine_250523A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri May 23 20:15:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250624A\VE250624N02.D
 Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.746	96	246479	10.000	ug/L	0.00
Standard Area 1 = 281780			Recovery =	87.47%		
63) Chlorobenzene-d5	9.253	117	214821	10.000	ug/L	0.00
Standard Area 1 = 232207			Recovery =	92.51%		
84) 1,4-Dichlorobenzene-d4	12.010	152	126399	10.000	ug/L	0.00
Standard Area 1 = 145386			Recovery =	86.94%		
System Monitoring Compounds						
39) Dibromofluoromethane	4.951	113	80775	11.770	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	117.70%		
47) 1,2-Dichloroethane-d4	5.465	65	77623	11.423	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	114.23%		
64) Toluene-d8	7.425	98	265034	9.789	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	97.89%		
88) 4-Bromofluorobenzene	10.777	95	93441	9.171	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	91.71%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.377	85	40	N.D.		
3) Chloromethane	1.689	50	47	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	2.049	94	417	0.103	ug/L #	44
6) Chloroethane	2.049	64	53	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
10) 1,1-Dichloroethene	2.616	96	85	N.D.		
11) Carbon disulfide	2.782	76	469	N.D.		
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	3.327	43	1399	1.025	ug/L #	72
18) trans-1,2-Dichloroethene	3.542	96	41	N.D.		
19) Methyl acetate	3.423	43	49	N.D.		
21) Methyl tert-butyl ether	3.529	73	164	N.D.		
25) 1,1-Dichloroethane	0.000		0	N.D.		
30) cis-1,2-Dichloroethene	4.596	96	47	N.D.		
33) Bromochloromethane	0.000		0	N.D.		
34) Cyclohexane	4.727	56	48	N.D.		
35) Chloroform	4.771	83	5875	0.561	ug/L	95
37) Carbon tetrachloride	4.868	117	42	N.D.		

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250624A\
 Data File : VE250624N08.D
 Acq On : 25 Jun 2025 1:17 am
 Operator : ELAINE:AJK
 Sample : L2538805-02,31,10,10,,A
 Misc : WG2084006,ICAL22314
 ALS Vial : 37 Sample Multiplier: 1

Quant Time: Jun 26 08:14:35 2025
 Quant Method : K:\Elaine\2025\250624A\Elaine_250523A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri May 23 20:15:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250624A\VE250624N02.D
 Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
40)	1,1,1-Trichloroethane	0.000		0		N.D.	
42)	2-Butanone	5.202	43	41		N.D.	
45)	Benzene	0.000		0		N.D.	
48)	1,2-Dichloroethane	0.000		0		N.D.	
51)	Methyl cyclohexane	0.000		0		N.D.	
52)	Trichloroethene	5.841	95	279		N.D.	
55)	1,2-Dichloropropane	0.000		0		N.D.	
58)	Bromodichloromethane	0.000		0		N.D.	
62)	cis-1,3-Dichloropropene	7.366	75	66		N.D.	
65)	Toluene	7.488	92	753		N.D.	
66)	4-Methyl-2-pentanone	0.000		0		N.D.	
67)	Tetrachloroethene	7.918	166	61		N.D.	
69)	trans-1,3-Dichloropropene	0.000		0		N.D.	
72)	1,1,2-Trichloroethane	0.000		0		N.D.	
73)	Chlorodibromomethane	0.000		0		N.D.	
75)	1,2-Dibromoethane	8.579	107	46		N.D.	
77)	2-Hexanone	0.000		0		N.D.	
78)	Chlorobenzene	9.276	112	255		N.D.	
79)	Ethylbenzene	9.303	91	372		N.D.	
81)	p/m Xylene	9.497	106	51		N.D.	
82)	o Xylene	10.054	106	49		N.D.	
83)	Styrene	10.203	104	55		N.D.	
85)	Bromoform	0.000		0		N.D.	
87)	Isopropylbenzene	0.000		0		N.D.	
92)	1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
105)	1,3-Dichlorobenzene	11.909	146	40		N.D.	
106)	1,4-Dichlorobenzene	12.019	146	229		N.D.	
109)	1,2-Dichlorobenzene	12.460	146	44		N.D.	
111)	1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
114)	1,2,4-Trichlorobenzene	13.874	180	291		N.D.	
116)	1,2,3-Trichlorobenzene	0.000		0		N.D.	

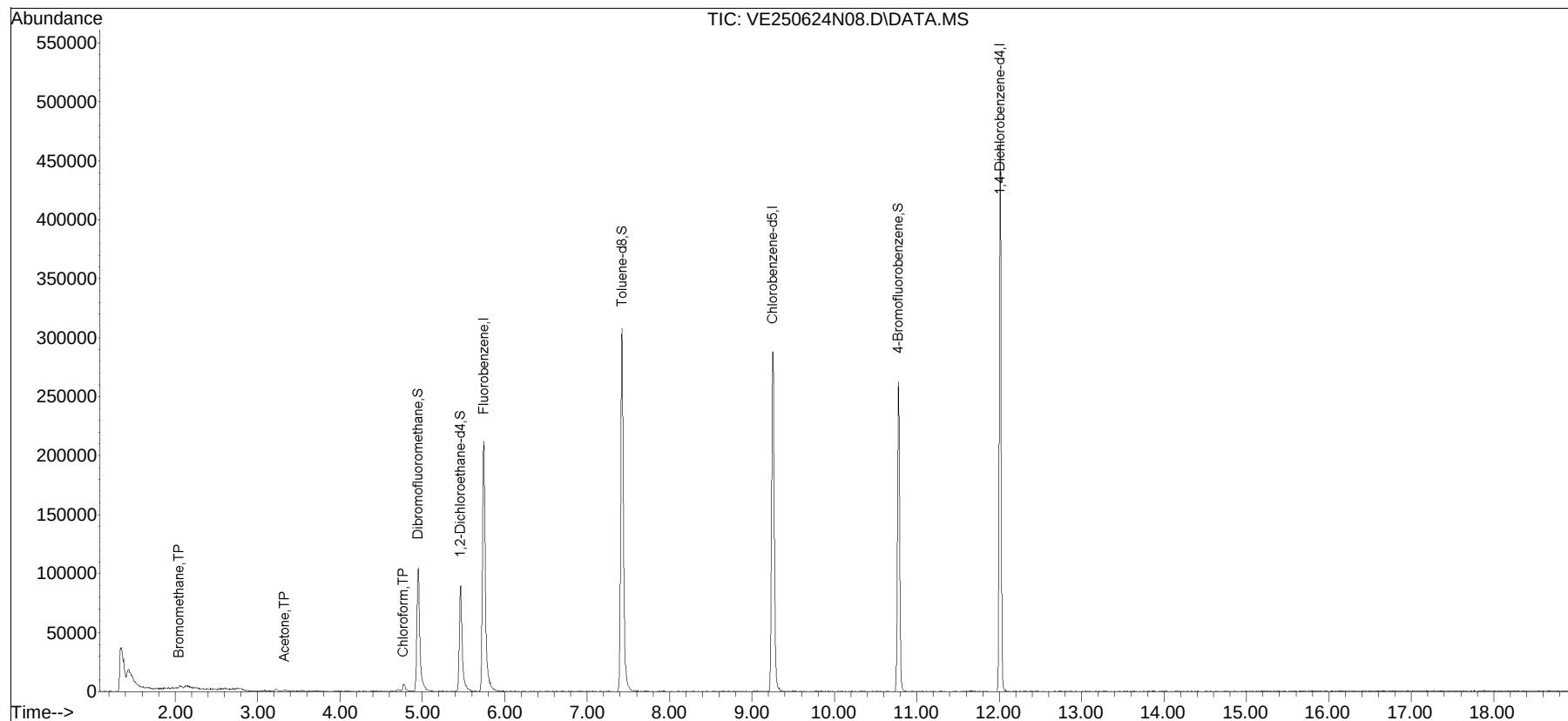
(#) = qualifier out of range (m) = manual integration (+) = signals summed

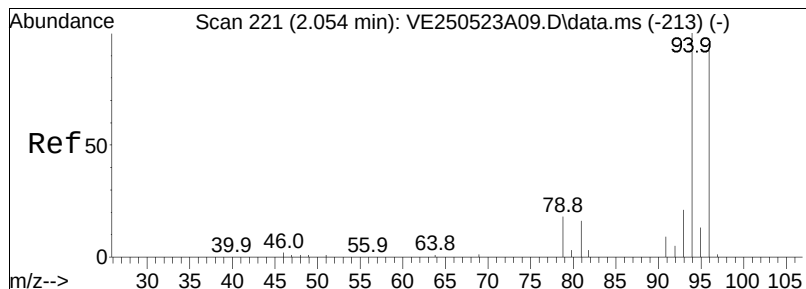
Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250624A\
 Data File : VE250624N08.D
 Acq On : 25 Jun 2025 1:17 am
 Operator : ELAINE:AJK
 Sample : L2538805-02,31,10,10,,A
 Misc : WG2084006,ICAL22314
 ALS Vial : 37 Sample Multiplier: 1

Quant Time: Jun 26 08:14:35 2025
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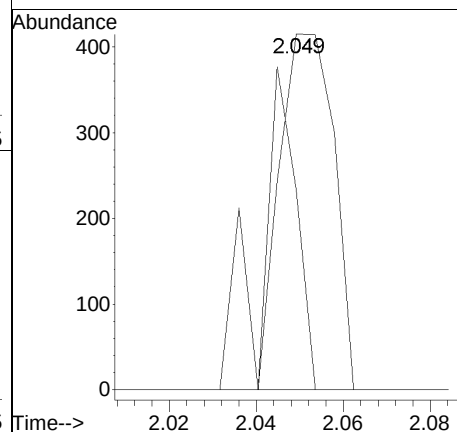
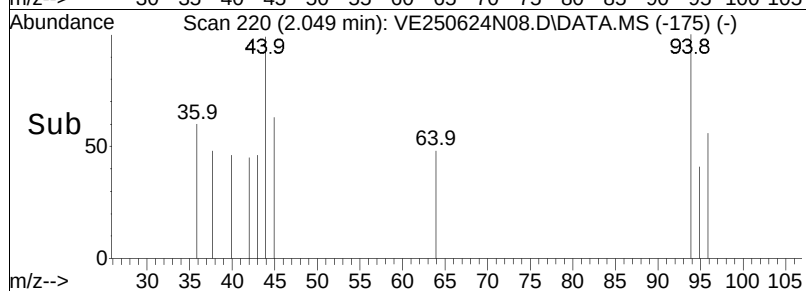
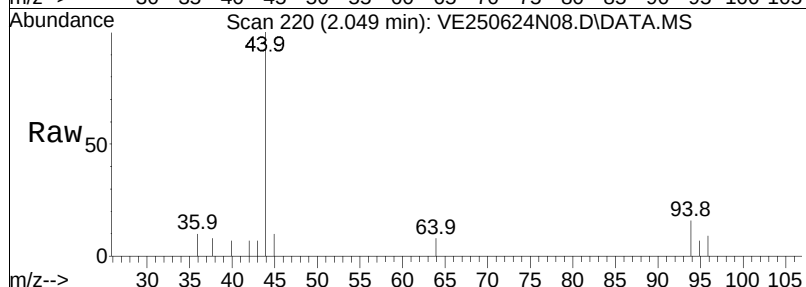
Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve

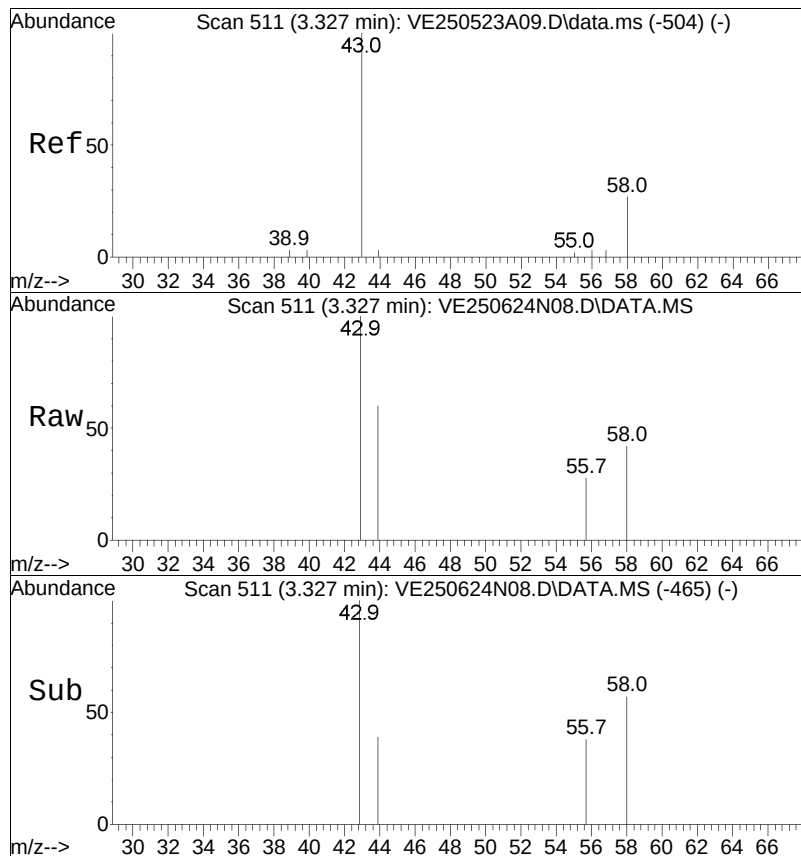




#5
 Bromomethane
 Concen: 0.10 ug/L
 RT: 2.049 min Scan# 220
 Delta R.T. -0.004 min
 Lab File: VE250624N08.D
 Acq: 25 Jun 2025 1:17 am

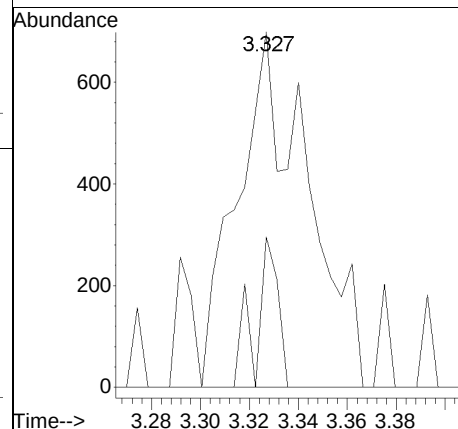
Tgt Ion: 94 Resp: 417
 Ion Ratio Lower Upper
 94 100
 96 38.6 72.7 112.7#

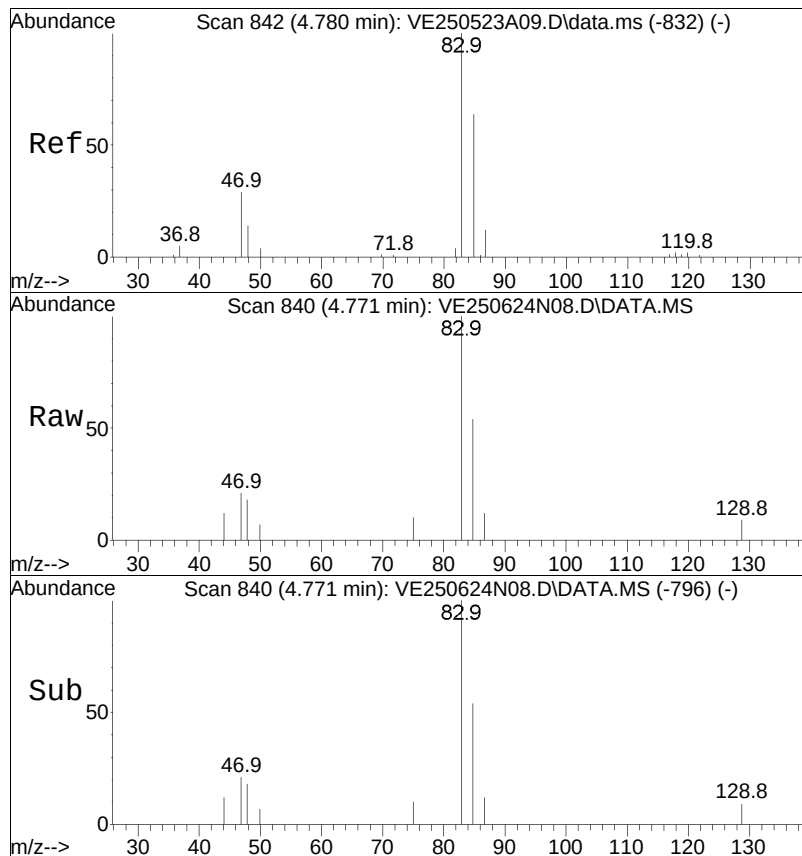




#17
 Acetone
 Concen: 1.03 ug/L
 RT: 3.327 min Scan# 511
 Delta R.T. -0.000 min
 Lab File: VE250624N08.D
 Acq: 25 Jun 2025 1:17 am

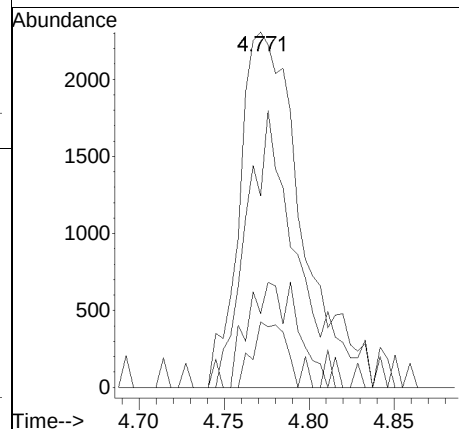
Tgt Ion:	43	Resp:	1399
Ion Ratio	100	Lower	Upper
58	13.4	22.4	33.6#





#35
 Chloroform
 Concen: 0.56 ug/L
 RT: 4.771 min Scan# 840
 Delta R.T. -0.009 min
 Lab File: VE250624N08.D
 Acq: 25 Jun 2025 1:17 am

Tgt	Ion: 83	Resp:	5875
Ion	Ratio	Lower	Upper
83	100		
85	67.5	41.7	86.5
47	23.3	17.4	36.2
48	10.7	9.2	19.0



Manual Integration Report

Data Path	: K:\Elaine\2025\250624A\	QMethod	: Elaine_250523A_8260.m
Data File	: VE250624N08.D	Operator	: ELAINE:AJK
Date Inj'd	: 6/25/2025 1:17 am	Instrument	: Elaine
Sample	: L2538805-02,31,10,10,,A	Quant Date	: 6/26/2025 8:11 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250624A\
 Data File : VE250624N09.D
 Acq On : 25 Jun 2025 1:41 am
 Operator : ELAINE:AJK
 Sample : L2538805-03,31,10,10,,A
 Misc : WG2084006,ICAL22314
 ALS Vial : 38 Sample Multiplier: 1

Quant Time: Jun 26 08:11:54 2025
 Quant Method : K:\Elaine\2025\250624A\Elaine_250523A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri May 23 20:15:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250624A\VE250624N02.D
 Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.742	96	244704	10.000	ug/L	0.00
Standard Area 1 = 281780			Recovery =	86.84%		
63) Chlorobenzene-d5	9.253	117	210905	10.000	ug/L	0.00
Standard Area 1 = 232207			Recovery =	90.83%		
84) 1,4-Dichlorobenzene-d4	12.010	152	125762	10.000	ug/L	0.00
Standard Area 1 = 145386			Recovery =	86.50%		
System Monitoring Compounds						
39) Dibromofluoromethane	4.951	113	79905	11.727	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	117.27%		
47) 1,2-Dichloroethane-d4	5.461	65	76186	11.293	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	112.93%		
64) Toluene-d8	7.424	98	264111	9.937	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	99.37%		
88) 4-Bromofluorobenzene	10.777	95	91483	9.024	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	90.24%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.373	85	53	N.D.		
3) Chloromethane	1.693	50	86	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	2.045	94	343	0.086	ug/L #	77
6) Chloroethane	2.146	64	41	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	2.782	76	468	N.D.		
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	3.336	43	1121	0.828	ug/L #	72
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
19) Methyl acetate	3.437	43	126	N.D.		
21) Methyl tert-butyl ether	3.542	73	1095	0.085	ug/L #	68
25) 1,1-Dichloroethane	0.000		0	N.D.		
30) cis-1,2-Dichloroethene	0.000		0	N.D.		
33) Bromochloromethane	0.000		0	N.D.		
34) Cyclohexane	0.000		0	N.D.		
35) Chloroform	4.771	83	1579	0.152	ug/L #	36
37) Carbon tetrachloride	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250624A\
 Data File : VE250624N09.D
 Acq On : 25 Jun 2025 1:41 am
 Operator : ELAINE:AJK
 Sample : L2538805-03,31,10,10,,A
 Misc : WG2084006,ICAL22314
 ALS Vial : 38 Sample Multiplier: 1

Quant Time: Jun 26 08:11:54 2025
 Quant Method : K:\Elaine\2025\250624A\Elaine_250523A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri May 23 20:15:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250624A\VE250624N02.D
 Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
40)	1,1,1-Trichloroethane	4.921	97	41		N.D.	
42)	2-Butanone	5.057	43	50		N.D.	
45)	Benzene	5.373	78	44		N.D.	
48)	1,2-Dichloroethane	0.000		0		N.D.	
51)	Methyl cyclohexane	0.000		0		N.D.	
52)	Trichloroethene	0.000		0		N.D.	
55)	1,2-Dichloropropane	0.000		0		N.D.	
58)	Bromodichloromethane	6.691	83	44		N.D.	
62)	cis-1,3-Dichloropropene	0.000		0		N.D.	
65)	Toluene	7.479	92	58		N.D.	
66)	4-Methyl-2-pentanone	0.000		0		N.D.	
67)	Tetrachloroethene	7.931	166	107		N.D.	
69)	trans-1,3-Dichloropropene	0.000		0		N.D.	
72)	1,1,2-Trichloroethane	8.094	83	45		N.D.	
73)	Chlorodibromomethane	0.000		0		N.D.	
75)	1,2-Dibromoethane	0.000		0		N.D.	
77)	2-Hexanone	0.000		0		N.D.	
78)	Chlorobenzene	9.266	112	207		N.D.	
79)	Ethylbenzene	9.257	91	252		N.D.	
81)	p/m Xylene	0.000		0		N.D.	
82)	o Xylene	0.000		0		N.D.	
83)	Styrene	9.931	104	43		N.D.	
85)	Bromoform	0.000		0		N.D.	
87)	Isopropylbenzene	10.464	105	45		N.D.	
92)	1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
105)	1,3-Dichlorobenzene	11.935	146	50		N.D.	
106)	1,4-Dichlorobenzene	11.935	146	50		N.D.	
109)	1,2-Dichlorobenzene	12.512	146	42		N.D.	
111)	1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
114)	1,2,4-Trichlorobenzene	13.874	180	49		N.D.	
116)	1,2,3-Trichlorobenzene	14.328	180	42		N.D.	

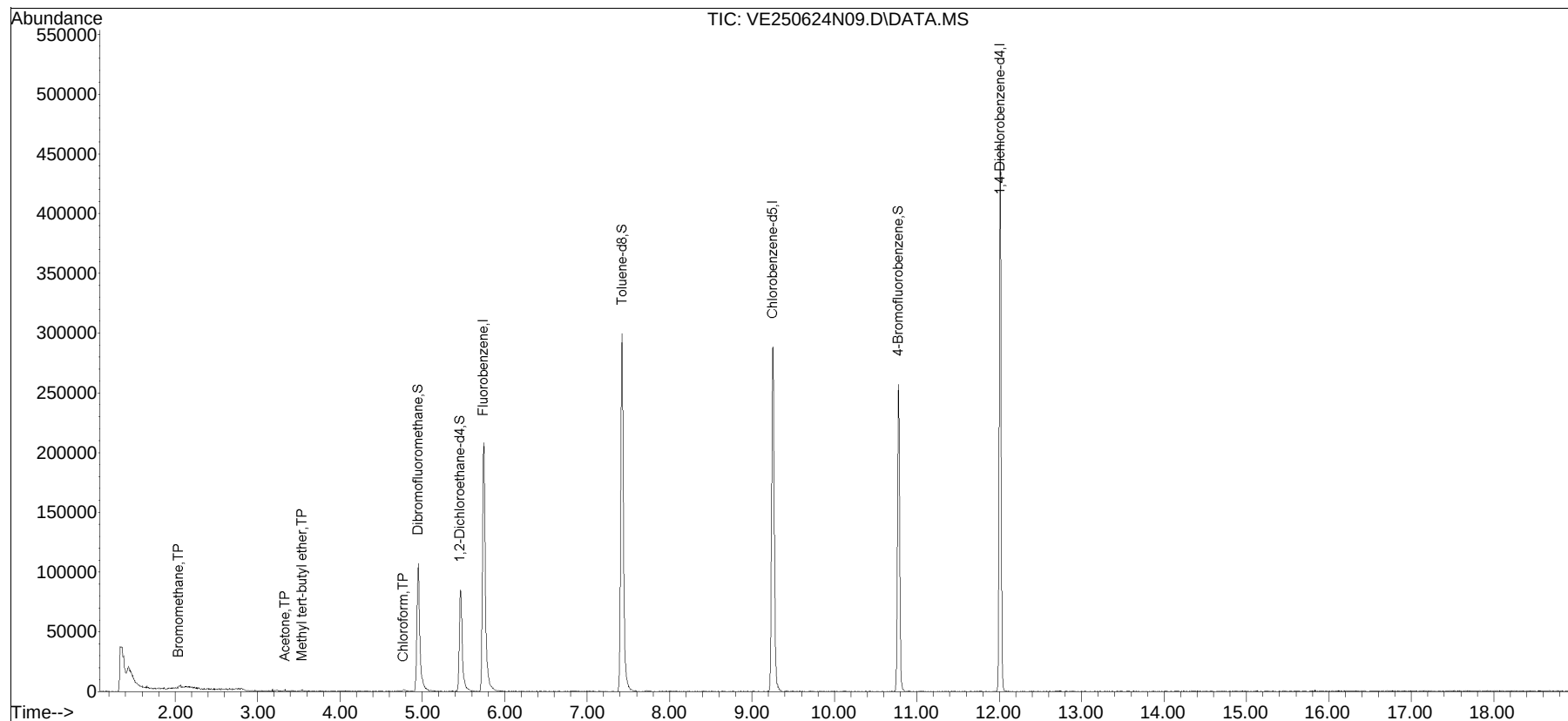
(#) = qualifier out of range (m) = manual integration (+) = signals summed

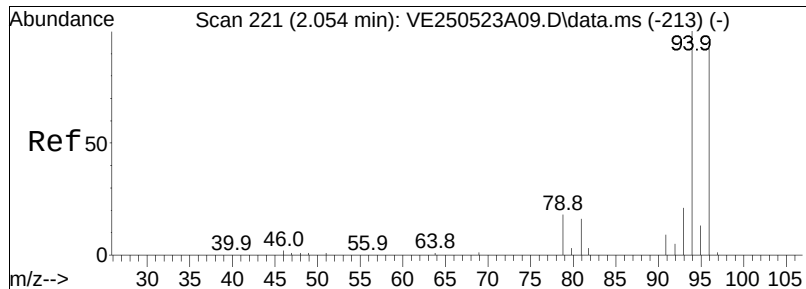
Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250624A\
 Data File : VE250624N09.D
 Acq On : 25 Jun 2025 1:41 am
 Operator : ELAINE:AJK
 Sample : L2538805-03,31,10,10,,A
 Misc : WG2084006,ICAL22314
 ALS Vial : 38 Sample Multiplier: 1

Quant Time: Jun 26 08:11:54 2025
 Quant Method : K:\Elaine\2025\250624A\Elaine_250523A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri May 23 20:15:15 2025
 Response via : Initial Calibration

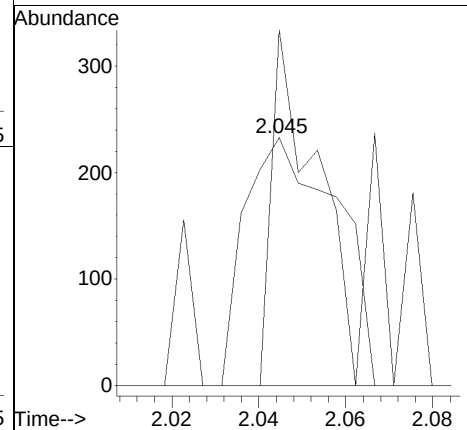
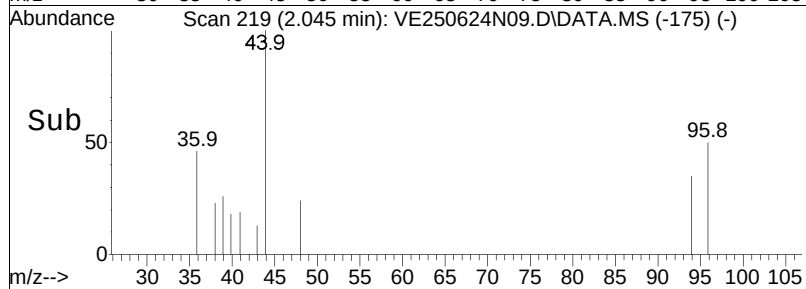
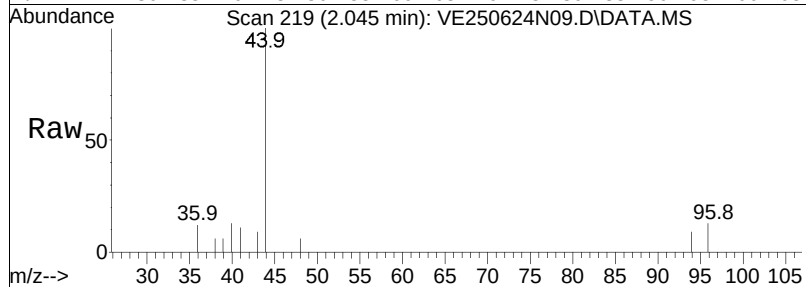
Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve

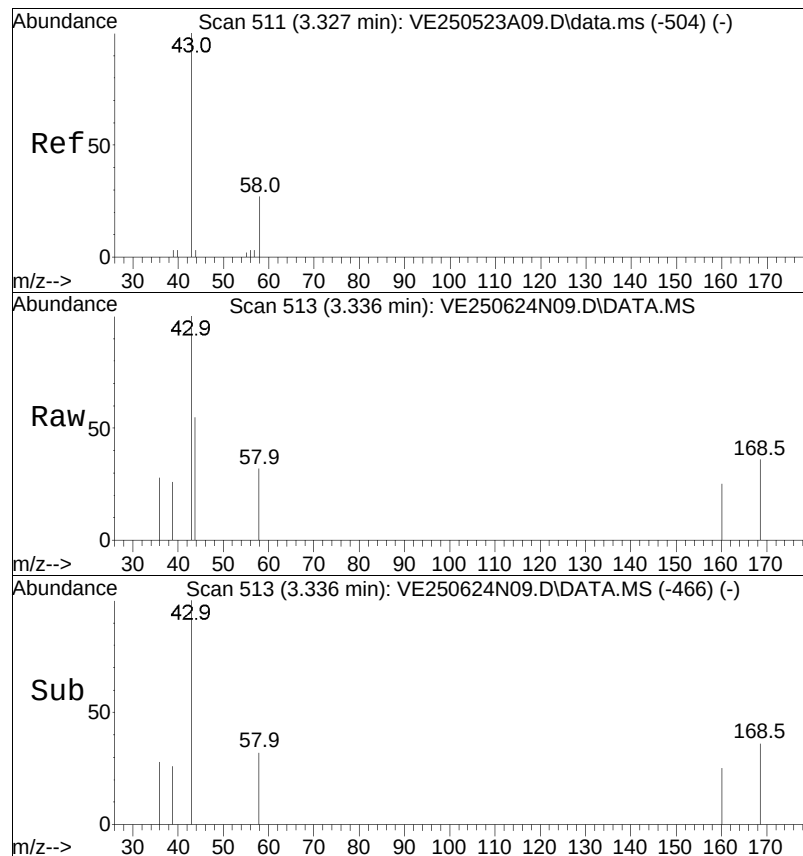




#5
 Bromomethane
 Concen: 0.09 ug/L
 RT: 2.045 min Scan# 219
 Delta R.T. -0.009 min
 Lab File: VE250624N09.D
 Acq: 25 Jun 2025 1:41 am

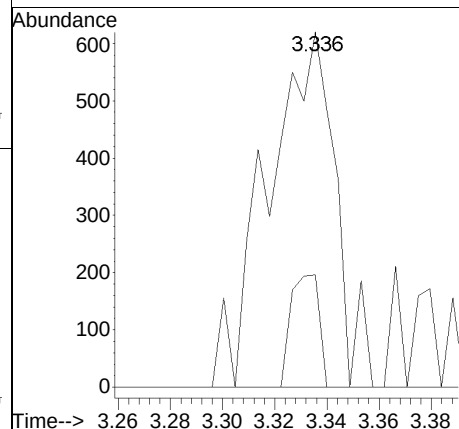
Tgt Ion: 94 Resp: 343
 Ion Ratio Lower Upper
 94 100
 96 70.6 72.7 112.7#

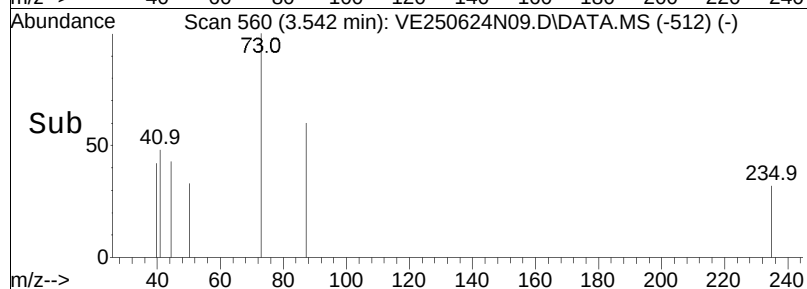
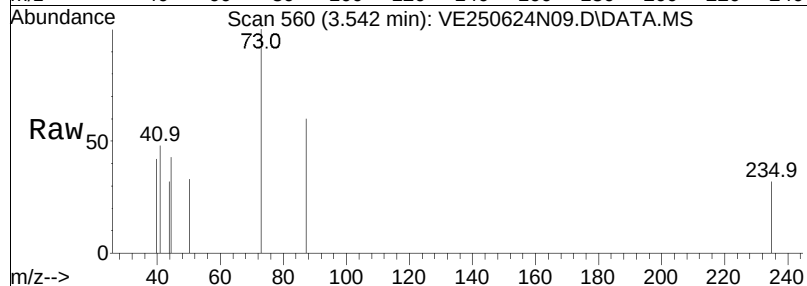
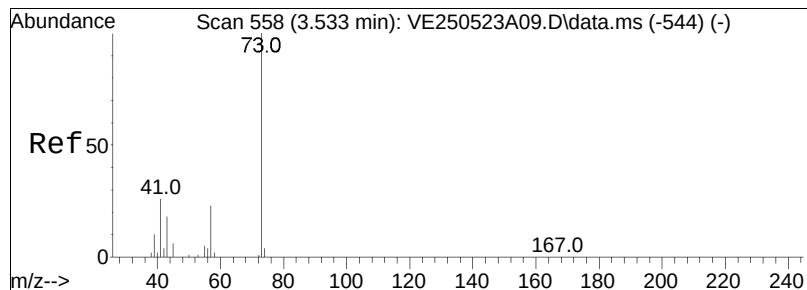




#17
 Acetone
 Concen: 0.83 ug/L
 RT: 3.336 min Scan# 513
 Delta R.T. 0.009 min
 Lab File: VE250624N09.D
 Acq: 25 Jun 2025 1:41 am

Tgt Ion	Ratio	Lower	Upper
43	100		
58	13.1	22.4	33.6#





#21

Methyl tert-butyl ether

Concen: 0.08 ug/L

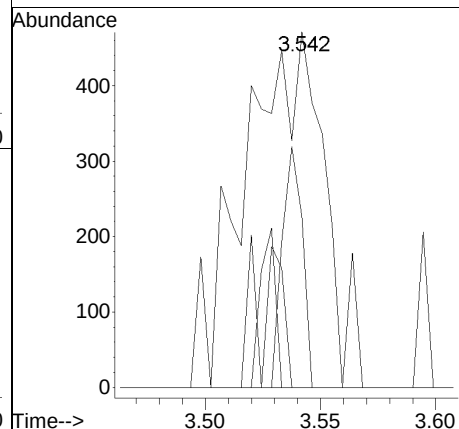
RT: 3.542 min Scan# 560

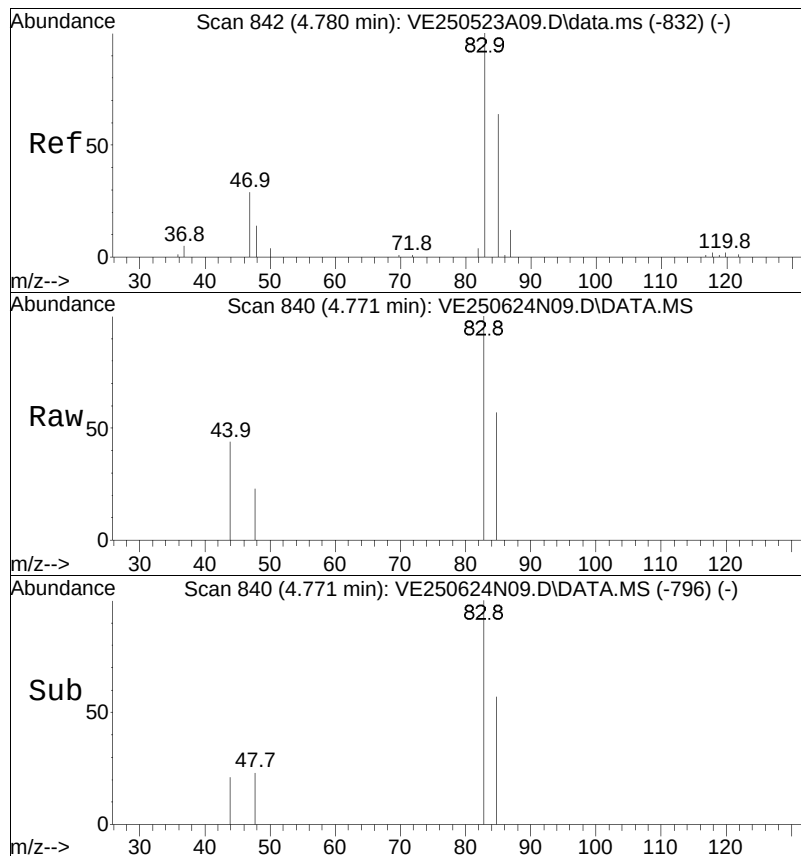
Delta R.T. 0.009 min

Lab File: VE250624N09.D

Acq: 25 Jun 2025 1:41 am

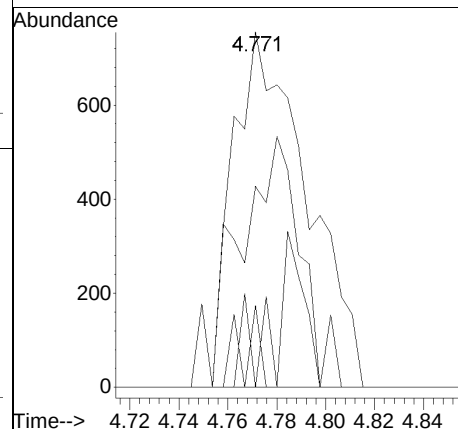
Tgt Ion:	73	Resp:	1095
Ion Ratio	Lower	Upper	
73	100		
57	8.9	17.6	36.5#
43	8.3	0.0	0.0#
41	17.7	22.8	47.4#





#35
 Chloroform
 Concen: 0.15 ug/L
 RT: 4.771 min Scan# 840
 Delta R.T. -0.009 min
 Lab File: VE250624N09.D
 Acq: 25 Jun 2025 1:41 am

Tgt Ion:	83	Resp:	1579
Ion	Ratio	Lower	Upper
83	100		
85	0.0	41.7	86.5#
47	3.3	17.4	36.2#
48	5.5	9.2	19.0#



Manual Integration Report

Data Path	: K:\Elaine\2025\250624A\	QMethod	: Elaine_250523A_8260.m
Data File	: VE250624N09.D	Operator	: ELAINE:AJK
Date Inj'd	: 6/25/2025 1:41 am	Instrument	: Elaine
Sample	: L2538805-03,31,10,10,,A	Quant Date	: 6/26/2025 8:11 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250624A\
 Data File : VE250624N10.D
 Acq On : 25 Jun 2025 2:06 am
 Operator : ELAINE:AJK
 Sample : L2538805-04,31,10,10,,A
 Misc : WG2084006,ICAL22314
 ALS Vial : 39 Sample Multiplier: 1

Quant Time: Jun 26 08:15:21 2025
 Quant Method : K:\Elaine\2025\250624A\Elaine_250523A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri May 23 20:15:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250624A\VE250624N02.D
 Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.746	96	239723	10.000	ug/L	0.00
Standard Area 1 = 281780			Recovery =	85.07%		
63) Chlorobenzene-d5	9.253	117	206145	10.000	ug/L	0.00
Standard Area 1 = 232207			Recovery =	88.78%		
84) 1,4-Dichlorobenzene-d4	12.010	152	122103	10.000	ug/L	0.00
Standard Area 1 = 145386			Recovery =	83.99%		
System Monitoring Compounds						
39) Dibromofluoromethane	4.951	113	77103	11.551	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	115.51%		
47) 1,2-Dichloroethane-d4	5.465	65	73273	11.087	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	110.87%		
64) Toluene-d8	7.420	98	258893	9.965	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	99.65%		
88) 4-Bromofluorobenzene	10.777	95	89110	9.054	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	90.54%		
Target Compounds						
2) Dichlorodifluoromethane	1.465	85	89	N.D.		
3) Chloromethane	1.698	50	41	N.D.		
4) Vinyl chloride	1.632	62	40	N.D.		
5) Bromomethane	2.049	94	212	N.D.		
6) Chloroethane	2.189	64	54	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	2.773	76	385	N.D.		
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	3.292	84	82	N.D.		
17) Acetone	3.331	43	2591	1.953	ug/L	# 70
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
19) Methyl acetate	3.454	43	116	N.D.		
21) Methyl tert-butyl ether	3.445	73	43	N.D.		
25) 1,1-Dichloroethane	0.000		0	N.D.		
30) cis-1,2-Dichloroethene	0.000		0	N.D.		
33) Bromochloromethane	0.000		0	N.D.		
34) Cyclohexane	0.000		0	N.D.		
35) Chloroform	0.000		0	N.D.		
37) Carbon tetrachloride	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250624A\
 Data File : VE250624N10.D
 Acq On : 25 Jun 2025 2:06 am
 Operator : ELAINE:AJK
 Sample : L2538805-04,31,10,10,,A
 Misc : WG2084006,ICAL22314
 ALS Vial : 39 Sample Multiplier: 1

Quant Time: Jun 26 08:15:21 2025
 Quant Method : K:\Elaine\2025\250624A\Elaine_250523A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri May 23 20:15:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250624A\VE250624N02.D
 Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
40)	1,1,1-Trichloroethane	4.907	97	49		N.D.	
42)	2-Butanone	5.096	43	41		N.D.	
45)	Benzene	5.184	78	43		N.D.	
48)	1,2-Dichloroethane	0.000		0		N.D.	
51)	Methyl cyclohexane	0.000		0		N.D.	
52)	Trichloroethene	5.886	95	140		N.D.	
55)	1,2-Dichloropropane	6.343	63	44		N.D.	
58)	Bromodichloromethane	0.000		0		N.D.	
62)	cis-1,3-Dichloropropene	0.000		0		N.D.	
65)	Toluene	0.000		0		N.D.	
66)	4-Methyl-2-pentanone	0.000		0		N.D.	
67)	Tetrachloroethene	0.000		0		N.D.	
69)	trans-1,3-Dichloropropene	0.000		0		N.D.	
72)	1,1,2-Trichloroethane	0.000		0		N.D.	
73)	Chlorodibromomethane	8.176	129	42		N.D.	
75)	1,2-Dibromoethane	0.000		0		N.D.	
77)	2-Hexanone	0.000		0		N.D.	
78)	Chlorobenzene	9.266	112	142		N.D.	
79)	Ethylbenzene	9.244	91	331		N.D.	
81)	p/m Xylene	0.000		0		N.D.	
82)	o Xylene	0.000		0		N.D.	
83)	Styrene	10.131	104	51		N.D.	
85)	Bromoform	0.000		0		N.D.	
87)	Isopropylbenzene	10.271	105	41		N.D.	
92)	1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
105)	1,3-Dichlorobenzene	12.006	146	48		N.D.	
106)	1,4-Dichlorobenzene	12.023	146	79		N.D.	
109)	1,2-Dichlorobenzene	0.000		0		N.D.	
111)	1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
114)	1,2,4-Trichlorobenzene	0.000		0		N.D.	
116)	1,2,3-Trichlorobenzene	0.000		0		N.D.	

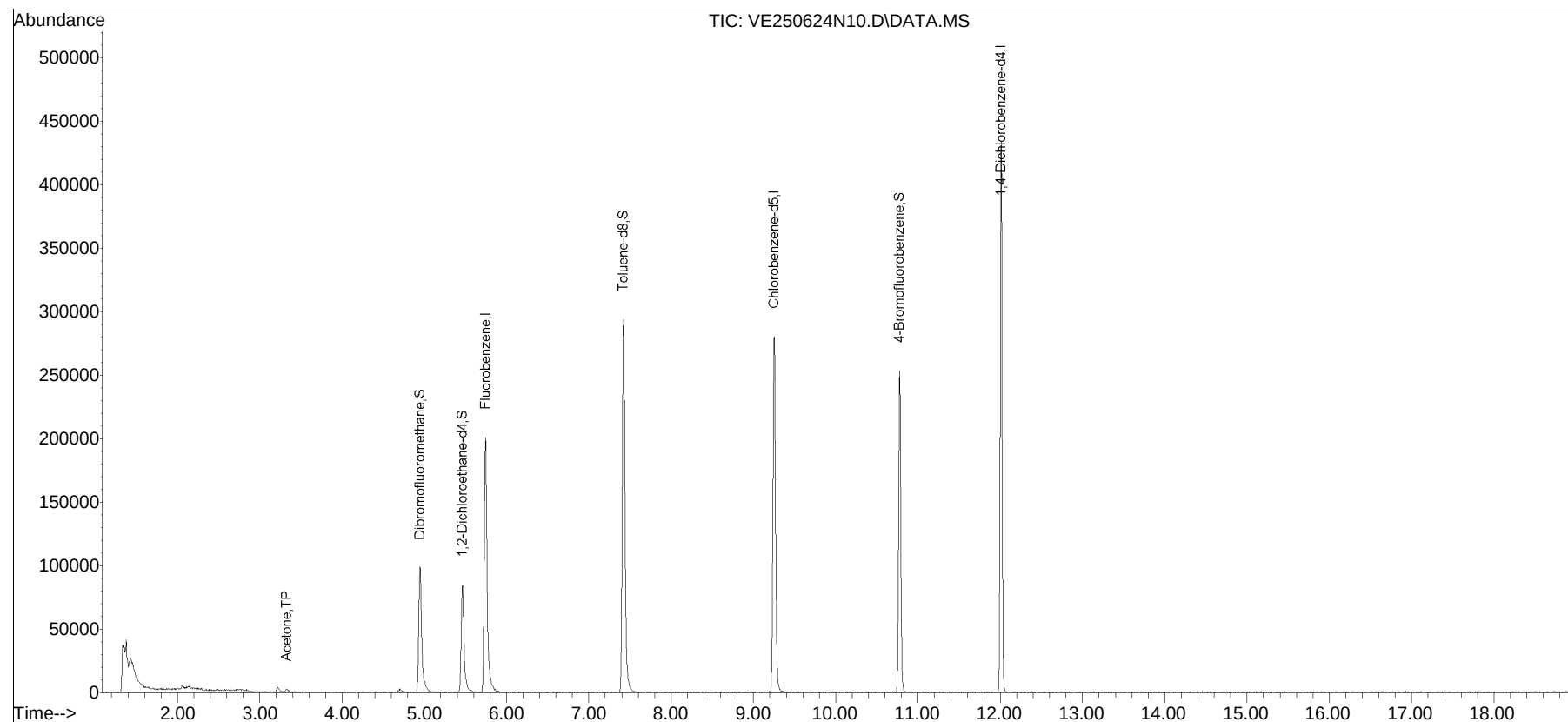
(#) = qualifier out of range (m) = manual integration (+) = signals summed

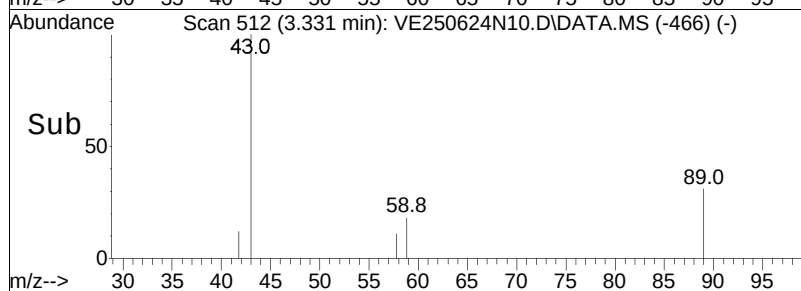
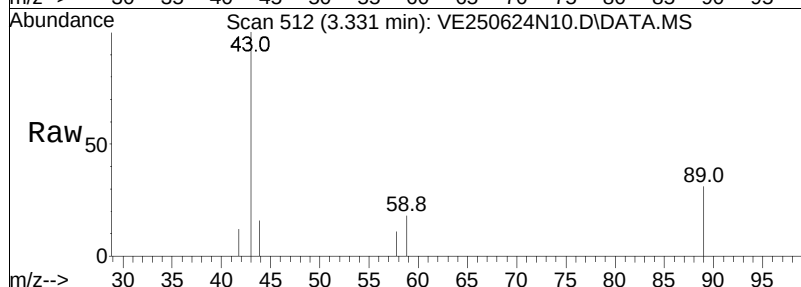
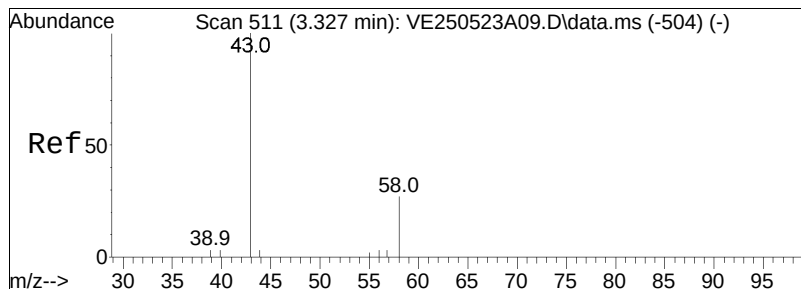
Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250624A\
 Data File : VE250624N10.D
 Acq On : 25 Jun 2025 2:06 am
 Operator : ELAINE:AJK
 Sample : L2538805-04,31,10,10,,A
 Misc : WG2084006,ICAL22314
 ALS Vial : 39 Sample Multiplier: 1

Quant Time: Jun 26 08:15:21 2025
 Quant Method : K:\Elaine\2025\250624A\Elaine_250523A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri May 23 20:15:15 2025
 Response via : Initial Calibration

Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve





#17

Acetone

Concen: 1.95 ug/L

RT: 3.331 min Scan# 512

Delta R.T. 0.004 min

Lab File: VE250624N10.D

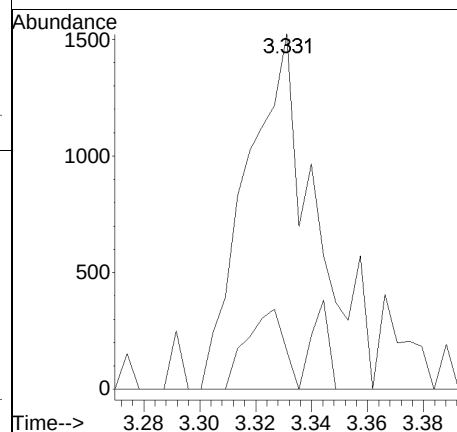
Acq: 25 Jun 2025 2:06 am

Tgt Ion: 43 Resp: 2591

Ion Ratio Lower Upper

43 100

58 12.4 22.4 33.6#



Manual Integration Report

Data Path	: K:\Elaine\2025\250624A\	QMethod	: Elaine_250523A_8260.m
Data File	: VE250624N10.D	Operator	: ELAINE:AJK
Date Inj'd	: 6/25/2025 2:06 am	Instrument	: Elaine
Sample	: L2538805-04,31,10,10,,A	Quant Date	: 6/26/2025 8:11 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250624A\
 Data File : VE250624N11.D
 Acq On : 25 Jun 2025 2:31 am
 Operator : ELAINE:AJK
 Sample : L2538805-05,31,10,10,,A
 Misc : WG2084006,ICAL22314
 ALS Vial : 40 Sample Multiplier: 1

Quant Time: Jun 26 08:15:45 2025
 Quant Method : K:\Elaine\2025\250624A\Elaine_250523A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri May 23 20:15:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250624A\VE250624N02.D
 Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.746	96	231995	10.000	ug/L	0.00
Standard Area 1 = 281780			Recovery	=	82.33%	
63) Chlorobenzene-d5	9.253	117	205605	10.000	ug/L	0.00
Standard Area 1 = 232207			Recovery	=	88.54%	
84) 1,4-Dichlorobenzene-d4	12.011	152	120955	10.000	ug/L	0.00
Standard Area 1 = 145386			Recovery	=	83.20%	
System Monitoring Compounds						
39) Dibromofluoromethane	4.951	113	78096	12.090	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	120.90%	
47) 1,2-Dichloroethane-d4	5.465	65	73519	11.494	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	114.94%	
64) Toluene-d8	7.420	98	251917	9.722	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	97.22%	
88) 4-Bromofluorobenzene	10.777	95	89274	9.156	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	91.56%	
Target Compounds						
2) Dichlorodifluoromethane	1.355	85	157	N.D.		
3) Chloromethane	1.698	50	45	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	2.045	94	191	N.D.		
6) Chloroethane	2.067	64	61	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	2.791	76	383	N.D.		
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	3.336	43	1326	1.033	ug/L	# 77
18) trans-1,2-Dichloroethene	3.384	96	41	N.D.		
19) Methyl acetate	3.450	43	74	N.D.		
21) Methyl tert-butyl ether	0.000		0	N.D.		
25) 1,1-Dichloroethane	0.000		0	N.D.		
30) cis-1,2-Dichloroethene	0.000		0	N.D.		
33) Bromochloromethane	4.600	128	40	N.D.		
34) Cyclohexane	0.000		0	N.D.		
35) Chloroform	0.000		0	N.D.		
37) Carbon tetrachloride	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250624A\
 Data File : VE250624N11.D
 Acq On : 25 Jun 2025 2:31 am
 Operator : ELAINE:AJK
 Sample : L2538805-05,31,10,10,,A
 Misc : WG2084006,ICAL22314
 ALS Vial : 40 Sample Multiplier: 1

Quant Time: Jun 26 08:15:45 2025
 Quant Method : K:\Elaine\2025\250624A\Elaine_250523A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri May 23 20:15:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250624A\VE250624N02.D
 Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

40)	1,1,1-Trichloroethane	0.000		0		N.D.	
42)	2-Butanone	0.000		0		N.D.	d
45)	Benzene	0.000		0		N.D.	
48)	1,2-Dichloroethane	0.000		0		N.D.	
51)	Methyl cyclohexane	0.000		0		N.D.	
52)	Trichloroethene	5.864	95	127		N.D.	
55)	1,2-Dichloropropane	0.000		0		N.D.	
58)	Bromodichloromethane	0.000		0		N.D.	
62)	cis-1,3-Dichloropropene	0.000		0		N.D.	
65)	Toluene	0.000		0		N.D.	
66)	4-Methyl-2-pentanone	0.000		0		N.D.	
67)	Tetrachloroethene	0.000		0		N.D.	
69)	trans-1,3-Dichloropropene	0.000		0		N.D.	
72)	1,1,2-Trichloroethane	0.000		0		N.D.	
73)	Chlorodibromomethane	0.000		0		N.D.	
75)	1,2-Dibromoethane	0.000		0		N.D.	
77)	2-Hexanone	8.936	43	42		N.D.	
78)	Chlorobenzene	9.280	112	87		N.D.	
79)	Ethylbenzene	9.267	91	58		N.D.	
81)	p/m Xylene	9.511	106	61		N.D.	
82)	o Xylene	0.000		0		N.D.	
83)	Styrene	0.000		0		N.D.	
85)	Bromoform	0.000		0		N.D.	
87)	Isopropylbenzene	0.000		0		N.D.	
92)	1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
105)	1,3-Dichlorobenzene	11.918	146	50		N.D.	
106)	1,4-Dichlorobenzene	11.918	146	50		N.D.	
109)	1,2-Dichlorobenzene	12.482	146	71		N.D.	
111)	1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
114)	1,2,4-Trichlorobenzene	0.000		0		N.D.	
116)	1,2,3-Trichlorobenzene	0.000		0		N.D.	

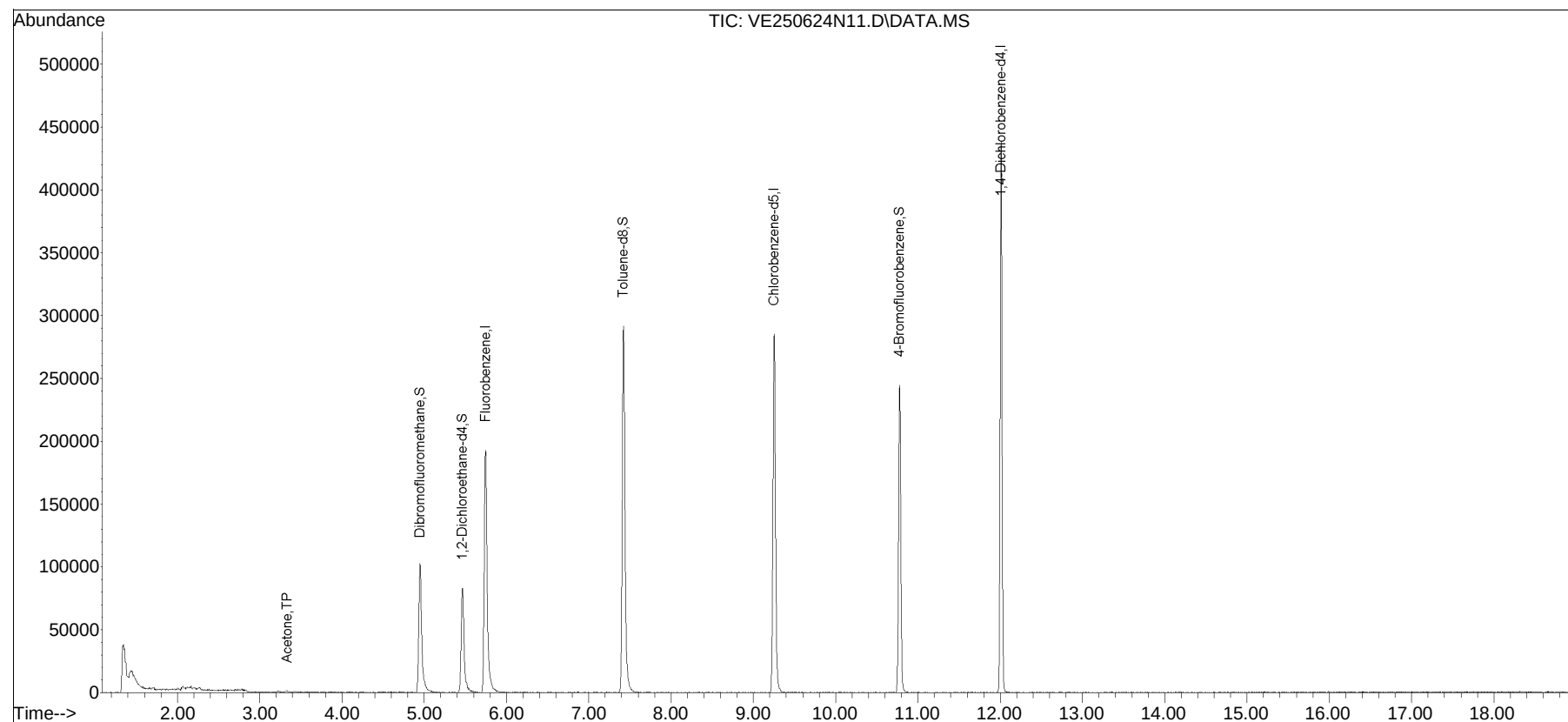
(#) = qualifier out of range (m) = manual integration (+) = signals summed

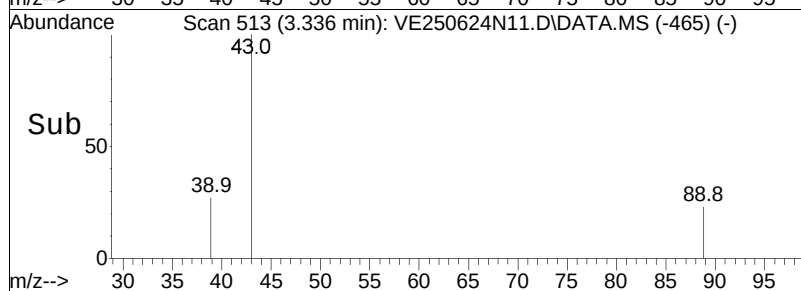
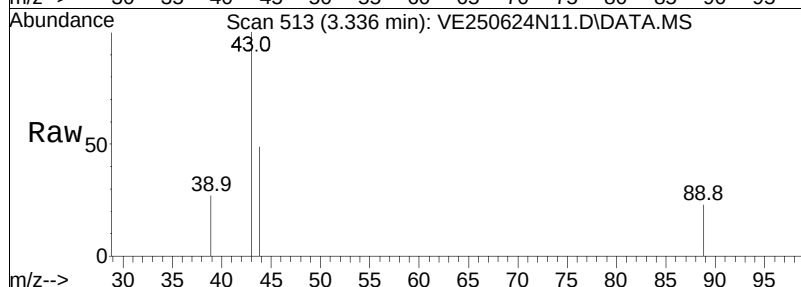
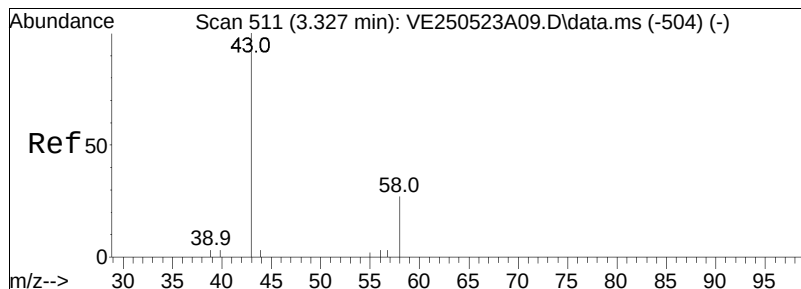
Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250624A\
 Data File : VE250624N11.D
 Acq On : 25 Jun 2025 2:31 am
 Operator : ELAINE:AJK
 Sample : L2538805-05,31,10,10,,A
 Misc : WG2084006,ICAL22314
 ALS Vial : 40 Sample Multiplier: 1

Quant Time: Jun 26 08:15:45 2025
 Quant Method : K:\Elaine\2025\250624A\Elaine_250523A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri May 23 20:15:15 2025
 Response via : Initial Calibration

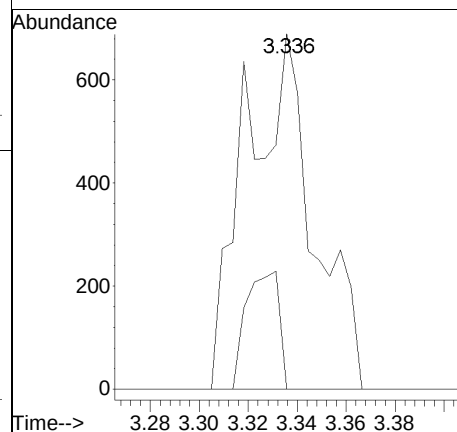
Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve





#17
 Acetone
 Concen: 1.03 ug/L
 RT: 3.336 min Scan# 513
 Delta R.T. 0.009 min
 Lab File: VE250624N11.D
 Acq: 25 Jun 2025 2:31 am

Tgt Ion: 43 Resp: 1326
 Ion Ratio Lower Upper
 43 100
 58 16.1 22.4 33.6#



Manual Integration Report

Data Path	: K:\Elaine\2025\250624A\	QMethod	: Elaine_250523A_8260.m
Data File	: VE250624N11.D	Operator	: ELAINE:AJK
Date Inj'd	: 6/25/2025 2:31 am	Instrument	: Elaine
Sample	: L2538805-05,31,10,10,,A	Quant Date	: 6/26/2025 8:12 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250624A\
 Data File : VE250624N12.D
 Acq On : 25 Jun 2025 2:55 am
 Operator : ELAINE:AJK
 Sample : L2538805-06,31,10,10,,A
 Misc : WG2084006,ICAL22314
 ALS Vial : 41 Sample Multiplier: 1

Quant Time: Jun 26 08:16:03 2025
 Quant Method : K:\Elaine\2025\250624A\Elaine_250523A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri May 23 20:15:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250624A\VE250624N02.D
 Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.746	96	228529	10.000	ug/L	0.00
Standard Area 1 = 281780			Recovery =	81.10%		
63) Chlorobenzene-d5	9.253	117	204312	10.000	ug/L	0.00
Standard Area 1 = 232207			Recovery =	87.99%		
84) 1,4-Dichlorobenzene-d4	12.010	152	117812	10.000	ug/L	0.00
Standard Area 1 = 145386			Recovery =	81.03%		
System Monitoring Compounds						
39) Dibromofluoromethane	4.947	113	76743	12.061	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	120.61%		
47) 1,2-Dichloroethane-d4	5.465	65	71319	11.320	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	113.20%		
64) Toluene-d8	7.420	98	249869	9.704	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	97.04%		
88) 4-Bromofluorobenzene	10.777	95	88964	9.368	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	93.68%		
Target Compounds						
2) Dichlorodifluoromethane	1.434	85	58	N.D.		
3) Chloromethane	1.689	50	46	N.D.		
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	2.049	94	201	N.D.		
6) Chloroethane	2.150	64	52	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.		
11) Carbon disulfide	2.791	76	443	N.D.		
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	3.296	84	47	N.D.		
17) Acetone	3.331	43	4331	3.424	ug/L	91
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
19) Methyl acetate	3.450	43	162	N.D.		
21) Methyl tert-butyl ether	0.000		0	N.D.		
25) 1,1-Dichloroethane	3.937	63	45	N.D.		
30) cis-1,2-Dichloroethene	4.556	96	47	N.D.		
33) Bromochloromethane	0.000		0	N.D.		
34) Cyclohexane	0.000		0	N.D.		
35) Chloroform	0.000		0	N.D.		
37) Carbon tetrachloride	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250624A\
 Data File : VE250624N12.D
 Acq On : 25 Jun 2025 2:55 am
 Operator : ELAINE:AJK
 Sample : L2538805-06,31,10,10,,A
 Misc : WG2084006,ICAL22314
 ALS Vial : 41 Sample Multiplier: 1

Quant Time: Jun 26 08:16:03 2025
 Quant Method : K:\Elaine\2025\250624A\Elaine_250523A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri May 23 20:15:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250624A\VE250624N02.D
 Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
40)	1,1,1-Trichloroethane	4.925	97	47		N.D.	
42)	2-Butanone	5.048	43	46		N.D.	
45)	Benzene	0.000		0		N.D.	
48)	1,2-Dichloroethane	0.000		0		N.D.	
51)	Methyl cyclohexane	0.000		0		N.D.	
52)	Trichloroethene	0.000		0		N.D.	
55)	1,2-Dichloropropane	0.000		0		N.D.	
58)	Bromodichloromethane	0.000		0		N.D.	
62)	cis-1,3-Dichloropropene	0.000		0		N.D.	
65)	Toluene	0.000		0		N.D.	
66)	4-Methyl-2-pentanone	7.787	58	47		N.D.	
67)	Tetrachloroethene	0.000		0		N.D.	
69)	trans-1,3-Dichloropropene	0.000		0		N.D.	
72)	1,1,2-Trichloroethane	8.235	83	45		N.D.	
73)	Chlorodibromomethane	0.000		0		N.D.	
75)	1,2-Dibromoethane	0.000		0		N.D.	
77)	2-Hexanone	0.000		0		N.D.	
78)	Chlorobenzene	9.271	112	43		N.D.	
79)	Ethylbenzene	9.257	91	506		N.D.	
81)	p/m Xylene	9.316	106	50		N.D.	
82)	o Xylene	0.000		0		N.D.	
83)	Styrene	10.153	104	47		N.D.	
85)	Bromoform	0.000		0		N.D.	
87)	Isopropylbenzene	0.000		0		N.D.	
92)	1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
105)	1,3-Dichlorobenzene	11.936	146	43		N.D.	
106)	1,4-Dichlorobenzene	12.019	146	43		N.D.	
109)	1,2-Dichlorobenzene	12.455	146	87		N.D.	
111)	1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
114)	1,2,4-Trichlorobenzene	0.000		0		N.D.	
116)	1,2,3-Trichlorobenzene	14.337	180	42		N.D.	

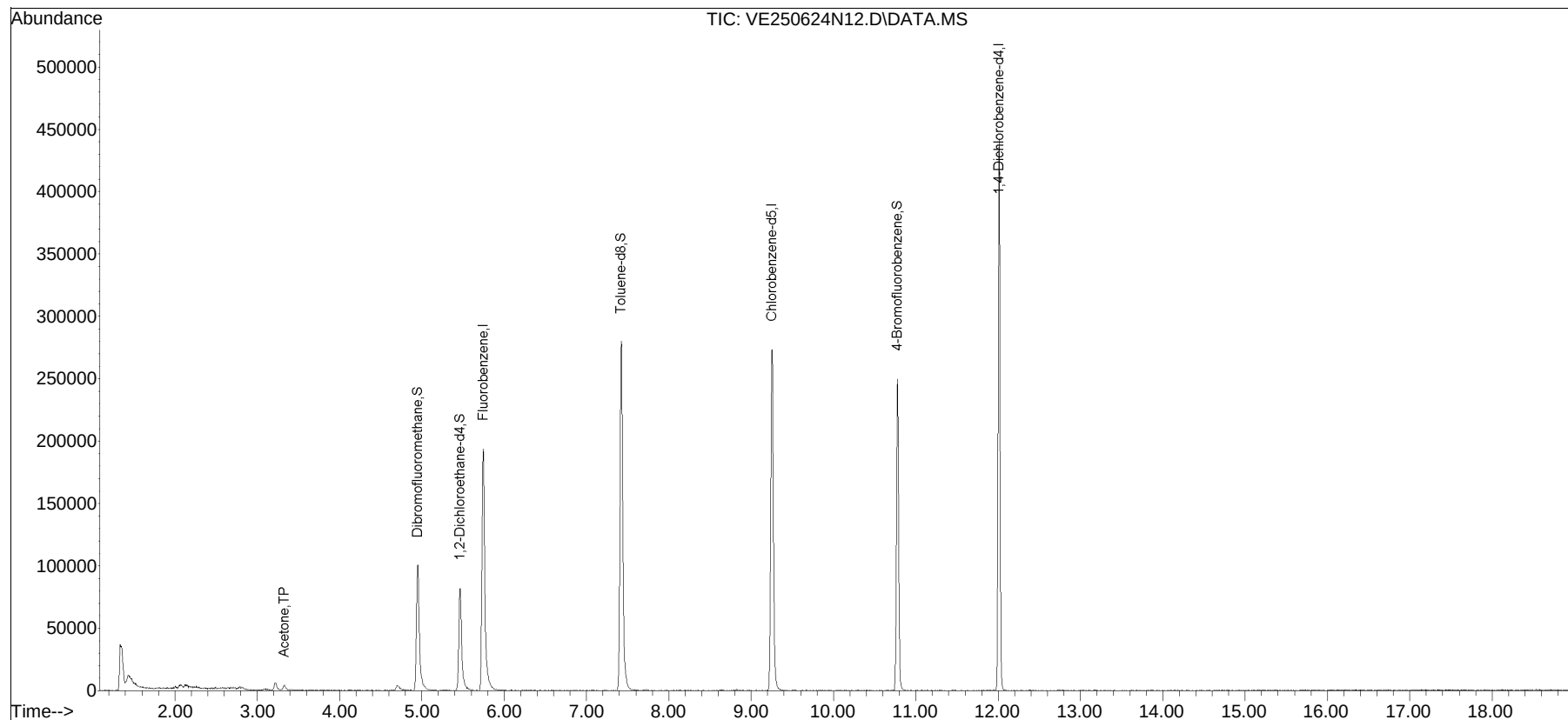
(#) = qualifier out of range (m) = manual integration (+) = signals summed

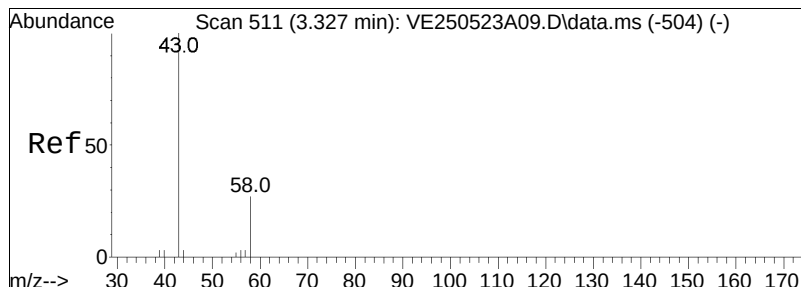
Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250624A\
 Data File : VE250624N12.D
 Acq On : 25 Jun 2025 2:55 am
 Operator : ELAINE:AJK
 Sample : L2538805-06,31,10,10,,A
 Misc : WG2084006,ICAL22314
 ALS Vial : 41 Sample Multiplier: 1

Quant Time: Jun 26 08:16:03 2025
 Quant Method : K:\Elaine\2025\250624A\Elaine_250523A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri May 23 20:15:15 2025
 Response via : Initial Calibration

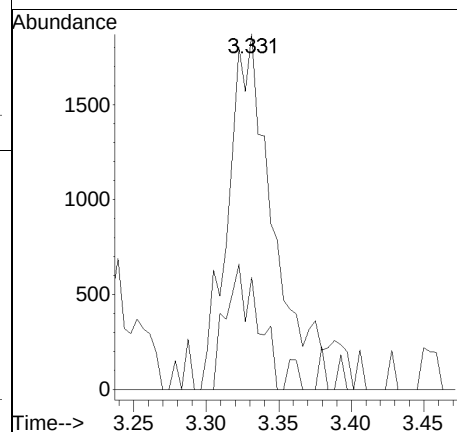
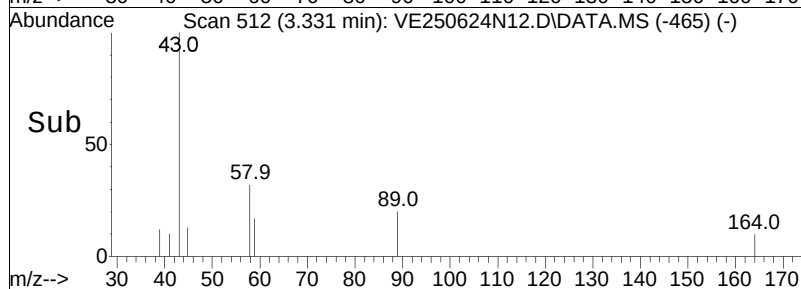
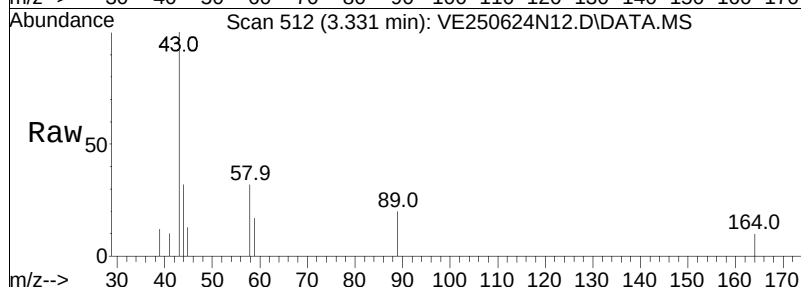
Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve





#17
 Acetone
 Concen: 3.42 ug/L
 RT: 3.331 min Scan# 512
 Delta R.T. 0.004 min
 Lab File: VE250624N12.D
 Acq: 25 Jun 2025 2:55 am

Tgt Ion: 43 Resp: 4331
 Ion Ratio Lower Upper
 43 100
 58 23.1 22.4 33.6



Manual Integration Report

Data Path	: K:\Elaine\2025\250624A\	QMethod	: Elaine_250523A_8260.m
Data File	: VE250624N12.D	Operator	: ELAINE:AJK
Date Inj'd	: 6/25/2025 2:55 am	Instrument	: Elaine
Sample	: L2538805-06,31,10,10,,A	Quant Date	: 6/26/2025 8:12 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250624A\
 Data File : VE250624N13.D
 Acq On : 25 Jun 2025 3:19 am
 Operator : ELAINE:AJK
 Sample : L2538805-07,31,10,10,,A
 Misc : WG2084006,ICAL22314
 ALS Vial : 42 Sample Multiplier: 1

Quant Time: Jun 26 08:12:29 2025
 Quant Method : K:\Elaine\2025\250624A\Elaine_250523A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri May 23 20:15:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250624A\VE250624N02.D
 Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.746	96	232544	10.000	ug/L	0.00
Standard Area 1 = 281780			Recovery =	82.53%		
63) Chlorobenzene-d5	9.253	117	202378	10.000	ug/L	0.00
Standard Area 1 = 232207			Recovery =	87.15%		
84) 1,4-Dichlorobenzene-d4	12.010	152	118467	10.000	ug/L	0.00
Standard Area 1 = 145386			Recovery =	81.48%		
System Monitoring Compounds						
39) Dibromofluoromethane	4.951	113	77368	11.949	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	119.49%		
47) 1,2-Dichloroethane-d4	5.465	65	73521	11.468	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	114.68%		
64) Toluene-d8	7.420	98	250867	9.836	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	98.36%		
88) 4-Bromofluorobenzene	10.777	95	87661	9.180	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	91.80%		
Target Compounds						
2) Dichlorodifluoromethane	1.443	85	43	N.D.		
3) Chloromethane	1.693	50	41	N.D.		
4) Vinyl chloride	1.663	62	58	N.D.		
5) Bromomethane	2.053	94	188	N.D.		
6) Chloroethane	2.154	64	87	N.D.		
7) Trichlorofluoromethane	0.000		0	N.D.		
10) 1,1-Dichloroethene	2.760	96	45	N.D.		
11) Carbon disulfide	2.791	76	341	N.D.		
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	0.000		0	N.D.		
17) Acetone	3.331	43	607	0.472	ug/L	# 60
18) trans-1,2-Dichloroethene	0.000		0	N.D.		
19) Methyl acetate	3.498	43	60	N.D.		
21) Methyl tert-butyl ether	0.000		0	N.D.		
25) 1,1-Dichloroethane	0.000		0	N.D.		
30) cis-1,2-Dichloroethene	0.000		0	N.D.		
33) Bromochloromethane	0.000		0	N.D.		
34) Cyclohexane	0.000		0	N.D.		
35) Chloroform	0.000		0	N.D.		
37) Carbon tetrachloride	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250624A\
 Data File : VE250624N13.D
 Acq On : 25 Jun 2025 3:19 am
 Operator : ELAINE:AJK
 Sample : L2538805-07,31,10,10,,A
 Misc : WG2084006,ICAL22314
 ALS Vial : 42 Sample Multiplier: 1

Quant Time: Jun 26 08:12:29 2025
 Quant Method : K:\Elaine\2025\250624A\Elaine_250523A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri May 23 20:15:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250624A\VE250624N02.D
 Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
40)	1,1,1-Trichloroethane	0.000		0		N.D.	
42)	2-Butanone	5.035	43	68		N.D.	
45)	Benzene	5.421	78	40		N.D.	
48)	1,2-Dichloroethane	0.000		0		N.D.	
51)	Methyl cyclohexane	0.000		0		N.D.	
52)	Trichloroethene	5.877	95	102		N.D.	
55)	1,2-Dichloropropane	0.000		0		N.D.	
58)	Bromodichloromethane	0.000		0		N.D.	
62)	cis-1,3-Dichloropropene	7.325	75	41		N.D.	
65)	Toluene	7.479	92	43		N.D.	
66)	4-Methyl-2-pentanone	0.000		0		N.D.	
67)	Tetrachloroethene	0.000		0		N.D.	
69)	trans-1,3-Dichloropropene	0.000		0		N.D.	
72)	1,1,2-Trichloroethane	0.000		0		N.D.	
73)	Chlorodibromomethane	0.000		0		N.D.	
75)	1,2-Dibromoethane	0.000		0		N.D.	
77)	2-Hexanone	0.000		0		N.D.	
78)	Chlorobenzene	9.275	112	52		N.D.	
79)	Ethylbenzene	9.284	91	49		N.D.	
81)	p/m Xylene	0.000		0		N.D.	
82)	o Xylene	0.000		0		N.D.	
83)	Styrene	0.000		0		N.D.	
85)	Bromoform	0.000		0		N.D.	
87)	Isopropylbenzene	0.000		0		N.D.	
92)	1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
105)	1,3-Dichlorobenzene	12.032	146	44		N.D.	
106)	1,4-Dichlorobenzene	12.032	146	44		N.D.	
109)	1,2-Dichlorobenzene	0.000		0		N.D.	
111)	1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
114)	1,2,4-Trichlorobenzene	13.878	180	49		N.D.	
116)	1,2,3-Trichlorobenzene	14.328	180	41		N.D.	

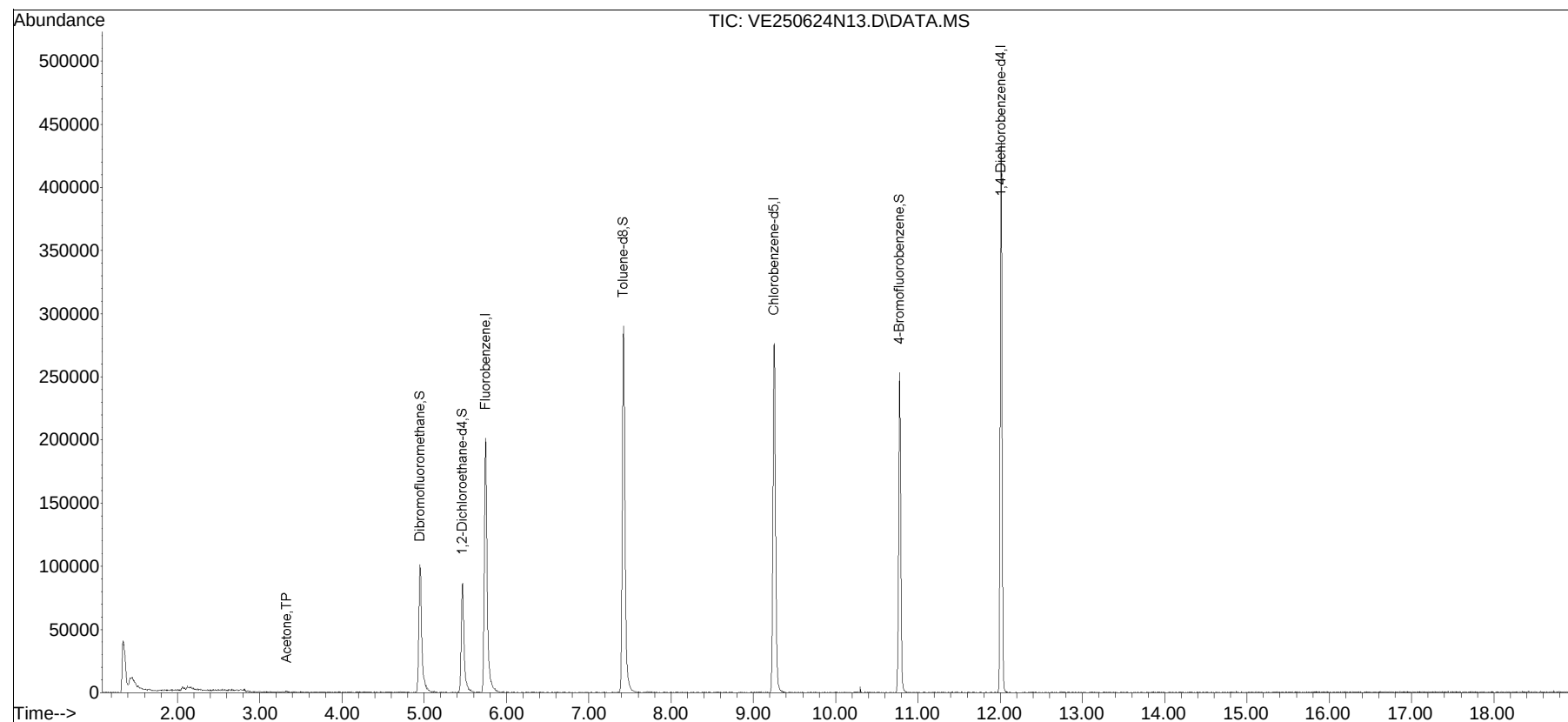
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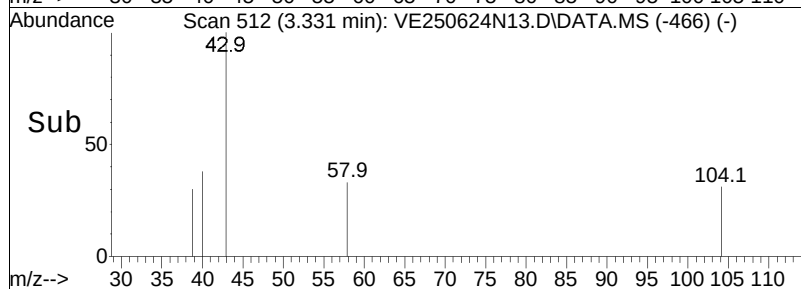
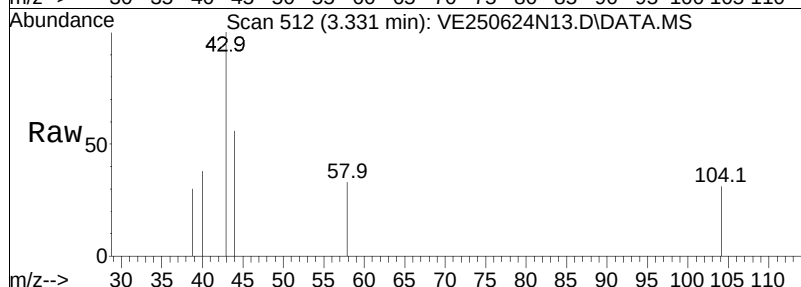
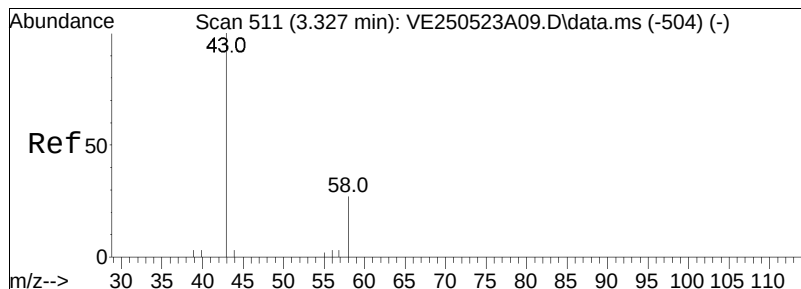
Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250624A\
 Data File : VE250624N13.D
 Acq On : 25 Jun 2025 3:19 am
 Operator : ELAINE:AJK
 Sample : L2538805-07,31,10,10,,A
 Misc : WG2084006,ICAL22314
 ALS Vial : 42 Sample Multiplier: 1

Quant Time: Jun 26 08:12:29 2025
 Quant Method : K:\Elaine\2025\250624A\Elaine_250523A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri May 23 20:15:15 2025
 Response via : Initial Calibration

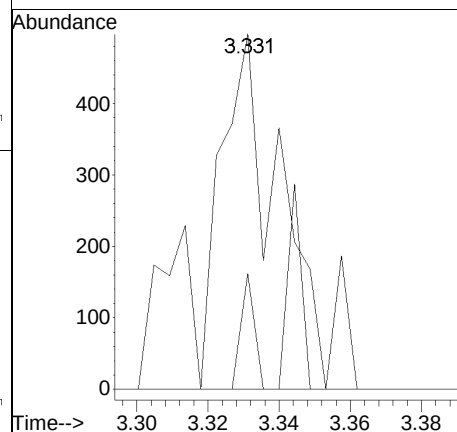
Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve





#17
 Acetone
 Concen: 0.47 ug/L
 RT: 3.331 min Scan# 512
 Delta R.T. 0.004 min
 Lab File: VE250624N13.D
 Acq: 25 Jun 2025 3:19 am

Tgt Ion: 43 Resp: 607
 Ion Ratio Lower Upper
 43 100
 58 7.1 22.4 33.6#



Manual Integration Report

Data Path	: K:\Elaine\2025\250624A\	QMethod	: Elaine_250523A_8260.m
Data File	: VE250624N13.D	Operator	: ELAINE:AJK
Date Inj'd	: 6/25/2025 3:19 am	Instrument	: Elaine
Sample	: L2538805-07,31,10,10,,A	Quant Date	: 6/26/2025 8:12 am

There are no manual integrations or false positives in this file.

Volatiles Standards Data

Initial Calibration

Initial Calibration Summary

Form 6

Volatiles

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM GROUNDWATER EVENT
Instrument ID : ELAINE
Calibration dates : 05/23/25 01:46 05/23/25 05:49
Lab Number : L2538805
Project Number : 2232.0006Y005
Ical Ref : ICAL22314

Calibration Files

L11 =VE250523A03.D L1 =VE250523A05.D L2 =VE250523A07.D L3 =VE250523A09.D L4 =VE250523A10.D
 L6 =VE250523A11.D L8 =VE250523A12.D L10 =VE250523A13.D

Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
1) I Fluorobenzene	-----ISTD-----									
2) TP Dichlorodifluo		0.264	0.385	0.378	0.330	0.311	0.305	0.283	0.322	14.14
3) TP Chloromethane		0.345	0.404	0.399	0.333	0.315	0.306	0.289	0.341	13.09
4) TP Vinyl chloride	0.297	0.255	0.372	0.352	0.299	0.270	0.262	0.244	0.294	15.80
5) TP Bromomethane		0.159	0.207	0.166	0.158	0.153	0.155	0.147	0.164	12.26
6) TP Chloroethane		0.180	0.235	0.227	0.192	0.175	0.170	0.157	0.191	15.49
7) TP Trichlorofluor		0.325	0.467	0.443	0.378	0.357	0.360	0.348	0.383	13.73
8) TP Ethyl ether		0.083	0.110	0.131	0.129	0.129	0.131	0.129	0.120	15.01
10) TP 1,1-Dichloroet		0.193	0.284	0.258	0.222	0.210	0.211	0.203	0.226	14.60
11) TP Carbon disulfide		0.673	0.843	0.802	0.695	0.666	0.670	0.639	0.713	10.90
12) TP Freon-113		0.155	0.250	0.258	0.231	0.224	0.226	0.215	0.223	14.97
13) TP Iodomethane		0.430	0.364	0.385	0.332	0.335	0.314	0.307	0.353	12.40
14) TP Acrolein		0.045	0.037	0.037	0.033	0.031	0.032	0.031	0.035	14.70
15) TP Methylene chlo		0.253	0.261	0.282	0.241	0.233	0.233	0.231	0.248	7.61
17) TP Acetone		0.071	0.054	0.053	0.052	0.051	0.051	0.051	0.055	13.82
18) TP trans-1,2-Dich		0.186	0.258	0.265	0.232	0.225	0.227	0.222	0.231	11.30
19) TP Methyl acetate		0.151	0.145	0.124	0.124	0.127	0.125	0.133		9.06
21) TP Methyl tert butyl ether		0.413	0.487	0.528	0.542	0.559	0.578	0.578	0.527	11.27
22) TP tert-Butyl alc		0.010	0.008	0.011	0.011	0.010	0.011	0.011	0.010	10.51
24) TP Diisopropyl ether		0.762	0.852	0.862	0.819	0.827	0.836	0.818	0.825	3.91
25) TP 1,1-Dichloroet		0.461	0.530	0.528	0.443	0.420	0.412	0.395	0.456	11.92
26) TP Halothane		0.117	0.176	0.187	0.175	0.180	0.181	0.183	0.171	14.21
27) TP Acrylonitrile		0.059	0.073	0.074	0.070	0.066	0.066	0.062	0.067	8.45
28) TP Ethyl tert-but		0.555	0.623	0.649	0.641	0.662	0.688	0.692	0.644	7.20
29) TP Vinyl acetate		0.388	0.465	0.425	0.416	0.440	0.479	0.427	0.434	7.03
30) TP cis-1,2-Dichlo		0.254	0.284	0.299	0.263	0.258	0.258	0.255	0.267	6.50
31) TP 2,2-Dichloropr		0.292	0.385	0.402	0.362	0.351	0.348	0.335	0.354	10.07
33) TP Bromochloromet		0.109	0.141	0.142	0.125	0.124	0.126	0.125	0.127	8.84
34) TP Cyclohexane		0.377	0.494	0.536	0.497	0.499	0.499	0.479	0.483	10.34
35) TP Chloroform		0.416	0.483	0.464	0.411	0.402	0.402	0.399	0.425	7.99
36) TP Ethyl acetate		0.183	0.166	0.172	0.175	0.181	0.177	0.176		3.64
37) TP Carbon tetrachloride	0.244	0.229	0.313	0.332	0.309	0.328	0.320	0.320	0.299	13.31
38) TP Tetrahydrofuran		0.082	0.062	0.062	0.057	0.060	0.054	0.059	0.063	14.71
39) S Dibromofluoromethane	0.292	0.288	0.287	0.294	0.279	0.259	0.264	0.264	0.278	5.09
40) TP 1,1,1-Trichlor		0.274	0.358	0.383	0.350	0.354	0.354	0.349	0.346	9.74
42) TP 2-Butanone		0.099	0.077	0.074	0.076	0.076	0.078	0.076	0.080	11.94



Initial Calibration Summary

Form 6

Volatiles

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM GROUNDWATER EVENT
Instrument ID : ELAINE
Calibration dates : 05/23/25 01:46 05/23/25 05:49
Lab Number : L2538805
Project Number : 2232.0006Y005
Ical Ref : ICAL22314

Calibration Files

L11 =VE250523A03.D L1 =VE250523A05.D L2 =VE250523A07.D L3 =VE250523A09.D L4 =VE250523A10.D
 L6 =VE250523A11.D L8 =VE250523A12.D L10 =VE250523A13.D

Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
43) TP 1,1-Dichloropr	0.167	0.250	0.278	0.286	0.290	0.293	0.288	0.265	17.21	
45) TP Benzene	0.835	0.792	0.914	0.940	0.919	0.951	0.961	0.957	0.909	6.84
46) TP Tertiary-Amyl Methyl Ether	0.511	0.518	0.566	0.532	0.546	0.569	0.575	0.545	4.75	
47) S 1,2-Dichloroethane-d4	0.283	0.281	0.284	0.302	0.261	0.268	0.265	0.261	0.276	5.19
48) T 1,2-Dichloroethane	0.228	0.271	0.299	0.300	0.276	0.268	0.270	0.259	0.271	8.48
51) TP Methyl cyclohe	0.305	0.405	0.432	0.409	0.430	0.445	0.444	0.410	11.94	
52) TP Trichloroethene	0.192	0.177	0.200	0.224	0.233	0.244	0.249	0.260	0.222	13.33
54) TP Dibromomethane	0.117	0.131	0.135	0.130	0.129	0.132	0.132	0.129	4.37	
55) TP 1,2-Dichloropr	0.187	0.225	0.246	0.248	0.251	0.252	0.249	0.237	10.08	
57) TP 2-Chloroethyl	0.074	0.101	0.113	0.113	0.115	0.117	0.118	0.107	14.87	
58) TP Bromodichlorom	0.265	0.290	0.315	0.308	0.321	0.324	0.323	0.307	7.20	
61) TP 1,4-Dioxane	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001#	9.63	
62) TP cis-1,3-Dichloropropene	0.267	0.276	0.308	0.347	0.371	0.382	0.391	0.388	0.341	14.89
63) I Chlorobenzene-d5	-----ISTD-----									
64) S Toluene-d8	1.307	1.291	1.297	1.294	1.240	1.245	1.235	1.172	1.260	3.63
65) TP Toluene	0.611	0.767	0.769	0.718	0.744	0.749	0.749	0.730	7.56	
66) TP 4-Methyl-2-pen	0.064	0.068	0.077	0.074	0.075	0.076	0.073	0.072	6.53	
67) TP Tetrachloroethene	0.317	0.242	0.312	0.318	0.303	0.313	0.317	0.317	0.305	8.52
69) TP trans-1,3-Dichloropropene	0.249	0.326	0.319	0.351	0.372	0.400	0.408	0.409	0.354	15.66
71) TP Ethyl methacry	0.313	0.307	0.314	0.299	0.298	0.307	0.296	0.305	2.38	
72) TP 1,1,2-Trichlor	0.162	0.169	0.166	0.172	0.185	0.187	0.189	0.176#	6.24	
73) TP Chlorodibromom	0.207	0.239	0.255	0.273	0.306	0.313	0.326	0.274	15.80	
74) TP 1,3-Dichloropr	0.312	0.349	0.358	0.369	0.400	0.407	0.401	0.371	9.37	
75) TP 1,2-Dibromoethane	0.178	0.199	0.201	0.210	0.227	0.233	0.231	0.211	9.63	
77) TP 2-Hexanone	0.218	0.178	0.166	0.151	0.150	0.147	0.138	0.164	16.74	
78) TP Chlorobenzene	0.749	0.879	0.873	0.832	0.870	0.883	0.886	0.853	5.77	
79) TP Ethylbenzene	1.299	1.532	1.528	1.445	1.537	1.570	1.540	1.493	6.28	
80) TP 1,1,1,2-Tetrac	0.222	0.253	0.274	0.268	0.304	0.321	0.326	0.281	13.45	
81) TP p/m Xylene	0.567	0.629	0.626	0.592	0.649	0.659	0.646	0.624	5.34	
82) TP o Xylene	0.552	0.615	0.627	0.592	0.645	0.656	0.636	0.617	5.77	
83) TP Styrene	0.929	1.029	1.041	1.005	1.104	1.117	1.048	1.039	6.07	
84) I 1,4-Dichlorobenzene-d4	-----ISTD-----									
85) TP Bromoform	0.222	0.266	0.275	0.299	0.328	0.350	0.338	0.297	15.36	
87) TP Isopropylbenzene	2.396	2.771	2.847	2.760	2.809	2.919	2.789	2.756	6.08	
88) S 4-Bromofluorobenzene	0.851	0.834	0.835	0.826	0.823	0.769	0.777	0.732	0.806	5.15
89) TP Bromobenzene	0.559	0.650	0.641	0.622	0.630	0.660	0.647	0.630	5.35	



Initial Calibration Summary

Form 6

Volatiles

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM GROUNDWATER EVENT
Instrument ID : ELAINE
Calibration dates : 05/23/25 01:46 05/23/25 05:49
Lab Number : L2538805
Project Number : 2232.0006Y005
Ical Ref : ICAL22314

Calibration Files

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 L6 =VE250523A11.D L8 =VE250523A12.D L10 =VE250523A13.D

Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
90) TP n-Propylbenzene	2.801	3.322	3.404	3.273	3.340	3.432	3.163	3.248	6.64	
91) TP 1,4-Dichlorobu	0.777	0.769	0.781	0.762	0.748	0.768	0.726	0.762	2.50	
92) TP 1,1,2,2-Tetrachloroethane	0.438	0.462	0.449	0.443	0.433	0.418	0.440	0.414	0.437	3.57
93) TP 4-Ethyltoluene	2.401	2.886	2.885	2.724	2.804	2.912	2.766	2.768	6.37	
94) TP 2-Chlorotoluene	1.783	2.005	1.935	1.893	1.929	2.032	1.913	1.927	4.19	
95) TP 1,3,5-Trimethy	1.977	2.374	2.452	2.451	2.575	2.664	2.499	2.427	9.05	
96) TP 1,2,3-Trichlor	0.359	0.365	0.379	0.370	0.388	0.400	0.398	0.380	4.19	
97) TP trans-1,4-Dich	0.163	0.150	0.159	0.152	0.150	0.155	0.147	0.154	3.70	
98) TP 4-Chlorotoluene	1.865	2.032	2.064	1.968	2.020	2.082	1.987	2.002	3.61	
99) TP tert-Butylbenzene	1.816	2.165	2.162	2.104	2.170	2.230	2.127	2.111	6.42	
102) TP 1,2,4-Trimethy	1.844	2.277	2.419	2.425	2.520	2.568	2.457	2.359	10.38	
103) TP sec-Butylbenzene	2.457	3.115	3.155	3.055	3.166	3.220	3.042	3.030	8.59	
104) TP p-Isopropyltol	2.137	2.715	2.797	2.737	2.835	2.869	2.735	2.689	9.30	
105) TP 1,3-Dichlorobe	1.275	1.368	1.410	1.363	1.422	1.465	1.445	1.393	4.59	
106) TP 1,4-Dichlorobe	1.347	1.321	1.361	1.331	1.394	1.435	1.432	1.374	3.40	
107) TP p-Diethylbenzene	1.151	1.535	1.682	1.658	1.737	1.781	1.729	1.611	13.49	
108) TP n-Butylbenzene	1.699	2.169	2.307	2.302	2.367	2.402	2.297	2.220	10.85	
109) TP 1,2-Dichlorobe	1.151	1.301	1.329	1.280	1.318	1.350	1.341	1.296	5.26	
110) TP 1,2,4,5-Tetram	2.159	2.313	2.474	2.509	2.667	2.845	2.599	2.509	9.03	
111) TP 1,2-Dibromo-3-	0.059	0.079	0.083	0.083	0.080	0.086	0.081	0.079	11.34	
112) TP 1,3,5-Trichlor	0.842	0.925	0.934	0.928	0.969	1.032	0.973	0.943	6.17	
113) TP Hexachlorobuta	0.234	0.306	0.281	0.271	0.265	0.267	0.245	0.267	8.72	
114) TP 1,2,4-Trichlor	0.762	0.836	0.847	0.829	0.878	0.916	0.861	0.847	5.61	
115) TP Naphthalene	1.948	1.942	1.975	1.921	2.010	2.079	1.972	1.978	2.67	
116) TP 1,2,3-Trichlor	0.790	0.768	0.755	0.740	0.759	0.768	0.736	0.759	2.42	



Response Factor Report Elaine

Method Path : K:\Elaine\2025\250523AICAL\
 Method File : Elaine_250523A_8260.m
 Title : VOLATILES BY GC/MS
 Last Update : Fri May 23 20:15:15 2025
 Response Via : Initial Calibration

Calibration Files

L11 =VE250523A03.D L1 =VE250523A05.D L2 =VE250523A07.D L3 =VE250523A09.D L4 =VE250523A10.D
 L6 =VE250523A11.D L8 =VE250523A12.D L10 =VE250523A13.D

Compound		L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD

1) I	Fluorobenzene	-----ISTD-----									
2) TP	Dichlorodifluo...	0.264	0.385	0.378	0.330	0.311	0.305	0.283	0.322	14.14	
3) TP	Chloromethane	0.345	0.404	0.399	0.333	0.315	0.306	0.289	0.341	13.09	
4) TP	Vinyl chloride	0.297	0.255	0.372	0.352	0.299	0.270	0.262	0.244	0.294	15.80
5) TP	Bromomethane	0.159	0.207	0.166	0.158	0.153	0.155	0.147	0.164	12.26	
6) TP	Chloroethane	0.180	0.235	0.227	0.192	0.175	0.170	0.157	0.191	15.49	
7) TP	Trichlorofluor...	0.325	0.467	0.443	0.378	0.357	0.360	0.348	0.383	13.73	
8) TP	Ethyl ether	0.083	0.110	0.131	0.129	0.129	0.131	0.129	0.120	15.01	
10) TP	1,1-Dichloroet...	0.193	0.284	0.258	0.222	0.210	0.211	0.203	0.226	14.60	
11) TP	Carbon disulfide	0.673	0.843	0.802	0.695	0.666	0.670	0.639	0.713	10.90	
12) TP	Freon-113	0.155	0.250	0.258	0.231	0.224	0.226	0.215	0.223	14.97	
13) TP	Iodomethane	0.430	0.364	0.385	0.332	0.335	0.314	0.307	0.353	12.40	
14) TP	Acrolein	0.045	0.037	0.037	0.033	0.031	0.032	0.031	0.035	14.70	
15) TP	Methylene chlo...	0.253	0.261	0.282	0.241	0.233	0.233	0.231	0.248	7.61	
17) TP	Acetone		0.071	0.054	0.053	0.052	0.051	0.051	0.055	13.82	
18) TP	trans-1,2-Dich...	0.186	0.258	0.265	0.232	0.225	0.227	0.222	0.231	11.30	
19) TP	Methyl acetate		0.151	0.145	0.124	0.124	0.127	0.125	0.133	9.06	
21) TP	Methyl tert-bu...	0.413	0.487	0.528	0.542	0.559	0.578	0.578	0.527	11.27	
22) TP	tert-Butyl alc...	0.010	0.008	0.011	0.011	0.010	0.011	0.011	0.010	10.51	
24) TP	Diisopropyl ether	0.762	0.852	0.862	0.819	0.827	0.836	0.818	0.825	3.91	
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26) TP	Halothane	0.117	0.176	0.187	0.175	0.180	0.181	0.183	0.171	14.21	
27) TP	Acrylonitrile	0.059	0.073	0.074	0.070	0.066	0.066	0.062	0.067	8.45	
28) TP	Ethyl tert-but...	0.555	0.623	0.649	0.641	0.662	0.688	0.692	0.644	7.20	
29) TP	Vinyl acetate	0.388	0.465	0.425	0.416	0.440	0.479	0.427	0.434	7.03	
30) TP	cis-1,2-Dichlo...	0.254	0.284	0.299	0.263	0.258	0.258	0.255	0.267	6.50	
31) TP	2,2-Dichloropr...	0.292	0.385	0.402	0.362	0.351	0.348	0.335	0.354	10.07	
33) TP	Bromochloromet...	0.109	0.141	0.142	0.125	0.124	0.126	0.125	0.127	8.84	
34) TP	Cyclohexane	0.377	0.494	0.536	0.497	0.499	0.499	0.479	0.483	10.34	
35) TP	Chloroform	0.416	0.483	0.464	0.411	0.402	0.402	0.399	0.425	7.99	
36) TP	Ethyl acetate		0.183	0.166	0.172	0.175	0.181	0.177	0.176	3.64	

Response Factor Report Elaine

Method Path : K:\Elaine\2025\250523AICAL\
 Method File : Elaine_250523A_8260.m
 Title : VOLATILES BY GC/MS
 Last Update : Fri May 23 20:15:15 2025
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Calibration Files

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	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
37)	TP Carbon tetrach...	0.244	0.229	0.313	0.332	0.309	0.328	0.320	0.320	0.299	13.31
38)	TP Tetrahydrofuran		0.082	0.062	0.062	0.057	0.060	0.054	0.059	0.063	14.71
39)	S Dibromofluorom...	0.292	0.288	0.287	0.294	0.279	0.259	0.264	0.264	0.278	5.09
40)	TP 1,1,1-Trichlor...		0.274	0.358	0.383	0.350	0.354	0.354	0.349	0.346	9.74
42)	TP 2-Butanone			0.099	0.077	0.074	0.076	0.078	0.076	0.080	11.94
43)	TP 1,1-Dichloropr...		0.167	0.250	0.278	0.286	0.290	0.293	0.288	0.265	17.21
45)	TP Benzene	0.835	0.792	0.914	0.940	0.919	0.951	0.961	0.957	0.909	6.84
46)	TP tert-Amyl meth...		0.511	0.518	0.566	0.532	0.546	0.569	0.575	0.545	4.75
47)	S 1,2-Dichloroet...	0.283	0.281	0.284	0.302	0.261	0.268	0.265	0.261	0.276	5.19
48)	T 1,2-Dichloroet...	0.228	0.271	0.299	0.300	0.276	0.268	0.270	0.259	0.271	8.48
51)	TP Methyl cyclohe...		0.305	0.405	0.432	0.409	0.430	0.445	0.444	0.410	11.94
52)	TP Trichloroethene	0.192	0.177	0.200	0.224	0.233	0.244	0.249	0.260	0.222	13.33
54)	TP Dibromomethane		0.117	0.131	0.135	0.130	0.129	0.132	0.132	0.129	4.37
55)	TP 1,2-Dichloropr...		0.187	0.225	0.246	0.248	0.251	0.252	0.249	0.237	10.08
57)	TP 2-Chloroethyl ...		0.074	0.101	0.113	0.113	0.115	0.117	0.118	0.107	14.87
58)	TP Bromodichlorom...		0.265	0.290	0.315	0.308	0.321	0.324	0.323	0.307	7.20
61)	TP 1,4-Dioxane		0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001#	9.63
62)	TP cis-1,3-Dichlo...	0.267	0.276	0.308	0.347	0.371	0.382	0.391	0.388	0.341	14.89
63)	I Chlorobenzene-d5	-----ISTD-----									
64)	S Toluene-d8	1.307	1.291	1.297	1.294	1.240	1.245	1.235	1.172	1.260	3.63
65)	TP Toluene		0.611	0.767	0.769	0.718	0.744	0.749	0.749	0.730	7.56
66)	TP 4-Methyl-2-pen...		0.064	0.068	0.077	0.074	0.075	0.076	0.073	0.072	6.53
67)	TP Tetrachloroethene	0.317	0.242	0.312	0.318	0.303	0.313	0.317	0.317	0.305	8.52
69)	TP trans-1,3-Dich...	0.249	0.326	0.319	0.351	0.372	0.400	0.408	0.409	0.354	15.66
71)	TP Ethyl methacry...		0.313	0.307	0.314	0.299	0.298	0.307	0.296	0.305	2.38
72)	TP 1,1,2-Trichlor...		0.162	0.169	0.166	0.172	0.185	0.187	0.189	0.176#	6.24
73)	TP Chlorodibromom...		0.207	0.239	0.255	0.273	0.306	0.313	0.326	0.274	15.80
74)	TP 1,3-Dichloropr...		0.312	0.349	0.358	0.369	0.400	0.407	0.401	0.371	9.37
75)	TP 1,2-Dibromoethane		0.178	0.199	0.201	0.210	0.227	0.233	0.231	0.211	9.63
77)	TP 2-Hexanone		0.218	0.178	0.166	0.151	0.150	0.147	0.138	0.164	16.74
78)	TP Chlorobenzene		0.749	0.879	0.873	0.832	0.870	0.883	0.886	0.853	5.77

Response Factor Report Elaine

Method Path : K:\Elaine\2025\250523AICAL\
 Method File : Elaine_250523A_8260.m
 Title : VOLATILES BY GC/MS
 Last Update : Fri May 23 20:15:15 2025
 Response Via : Initial Calibration

Calibration Files

L11 =VE250523A03.D L1 =VE250523A05.D L2 =VE250523A07.D L3 =VE250523A09.D L4 =VE250523A10.D
 L6 =VE250523A11.D L8 =VE250523A12.D L10 =VE250523A13.D

	Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
79)	TP Ethylbenzene	1.299	1.532	1.528	1.445	1.537	1.570	1.540	1.493	6.28	
80)	TP 1,1,1,2-Tetrac...	0.222	0.253	0.274	0.268	0.304	0.321	0.326	0.281	13.45	
81)	TP p/m Xylene	0.567	0.629	0.626	0.592	0.649	0.659	0.646	0.624	5.34	
82)	TP o Xylene	0.552	0.615	0.627	0.592	0.645	0.656	0.636	0.617	5.77	
83)	TP Styrene	0.929	1.029	1.041	1.005	1.104	1.117	1.048	1.039	6.07	
84)	I 1,4-Dichlorobenzene-d4	-----ISTD-----									
85)	TP Bromoform	0.222	0.266	0.275	0.299	0.328	0.350	0.338	0.297	15.36	
87)	TP Isopropylbenzene	2.396	2.771	2.847	2.760	2.809	2.919	2.789	2.756	6.08	
88)	S 4-Bromofluorob...	0.851	0.834	0.835	0.826	0.823	0.769	0.777	0.732	0.806	5.15
89)	TP Bromobenzene	0.559	0.650	0.641	0.622	0.630	0.660	0.647	0.630	5.35	
90)	TP n-Propylbenzene	2.801	3.322	3.404	3.273	3.340	3.432	3.163	3.248	6.64	
91)	TP 1,4-Dichlorobu...	0.777	0.769	0.781	0.762	0.748	0.768	0.726	0.762	2.50	
92)	TP 1,1,2,2-Tetrac...	0.438	0.462	0.449	0.443	0.418	0.440	0.414	0.437	3.57	
93)	TP 4-Ethyltoluene	2.401	2.886	2.885	2.724	2.804	2.912	2.766	2.768	6.37	
94)	TP 2-Chlorotoluene	1.783	2.005	1.935	1.893	1.929	2.032	1.913	1.927	4.19	
95)	TP 1,3,5-Trimethy...	1.977	2.374	2.452	2.451	2.575	2.664	2.499	2.427	9.05	
96)	TP 1,2,3-Trichlor...	0.359	0.365	0.379	0.370	0.388	0.400	0.398	0.380	4.19	
97)	TP trans-1,4-Dich...	0.163	0.150	0.159	0.152	0.150	0.155	0.147	0.154	3.70	
98)	TP 4-Chlorotoluene	1.865	2.032	2.064	1.968	2.020	2.082	1.987	2.002	3.61	
99)	TP tert-Butylbenzene	1.816	2.165	2.162	2.104	2.170	2.230	2.127	2.111	6.42	
102)	TP 1,2,4-Trimethy...	1.844	2.277	2.419	2.425	2.520	2.568	2.457	2.359	10.38	
103)	TP sec-Butylbenzene	2.457	3.115	3.155	3.055	3.166	3.220	3.042	3.030	8.59	
104)	TP p-Isopropyltol...	2.137	2.715	2.797	2.737	2.835	2.869	2.735	2.689	9.30	
105)	TP 1,3-Dichlorobe...	1.275	1.368	1.410	1.363	1.422	1.465	1.445	1.393	4.59	
106)	TP 1,4-Dichlorobe...	1.347	1.321	1.361	1.331	1.394	1.435	1.432	1.374	3.40	
107)	TP p-Diethylbenzene	1.151	1.535	1.682	1.658	1.737	1.781	1.729	1.611	13.49	
108)	TP n-Butylbenzene	1.699	2.169	2.307	2.302	2.367	2.402	2.297	2.220	10.85	
109)	TP 1,2-Dichlorobe...	1.151	1.301	1.329	1.280	1.318	1.350	1.341	1.296	5.26	
110)	TP 1,2,4,5-Tetram...	2.159	2.313	2.474	2.509	2.667	2.845	2.599	2.509	9.03	
111)	TP 1,2-Dibromo-3-...	0.059	0.079	0.083	0.083	0.080	0.086	0.081	0.079	11.34	
112)	TP 1,3,5-Trichlor...	0.842	0.925	0.934	0.928	0.969	1.032	0.973	0.943	6.17	

Response Factor Report Elaine

Method Path : K:\Elaine\2025\250523AICAL\
Method File : Elaine_250523A_8260.m
Title : VOLATILES BY GC/MS
Last Update : Fri May 23 20:15:15 2025
Response Via : Initial Calibration

Calibration Files

L11 =VE250523A03.D L1 =VE250523A05.D L2 =VE250523A07.D L3 =VE250523A09.D L4 =VE250523A10.D
L6 =VE250523A11.D L8 =VE250523A12.D L10 =VE250523A13.D

Compound	L11	L1	L2	L3	L4	L6	L8	L10	Avg	%RSD
113) TP Hexachlorobuta...	0.234	0.306	0.281	0.271	0.265	0.267	0.245	0.267	8.72	
114) TP 1,2,4-Trichlor...	0.762	0.836	0.847	0.829	0.878	0.916	0.861	0.847	5.61	
115) TP Naphthalene	1.948	1.942	1.975	1.921	2.010	2.079	1.972	1.978	2.67	
116) TP 1,2,3-Trichlor...	0.790	0.768	0.755	0.740	0.759	0.768	0.736	0.759	2.42	

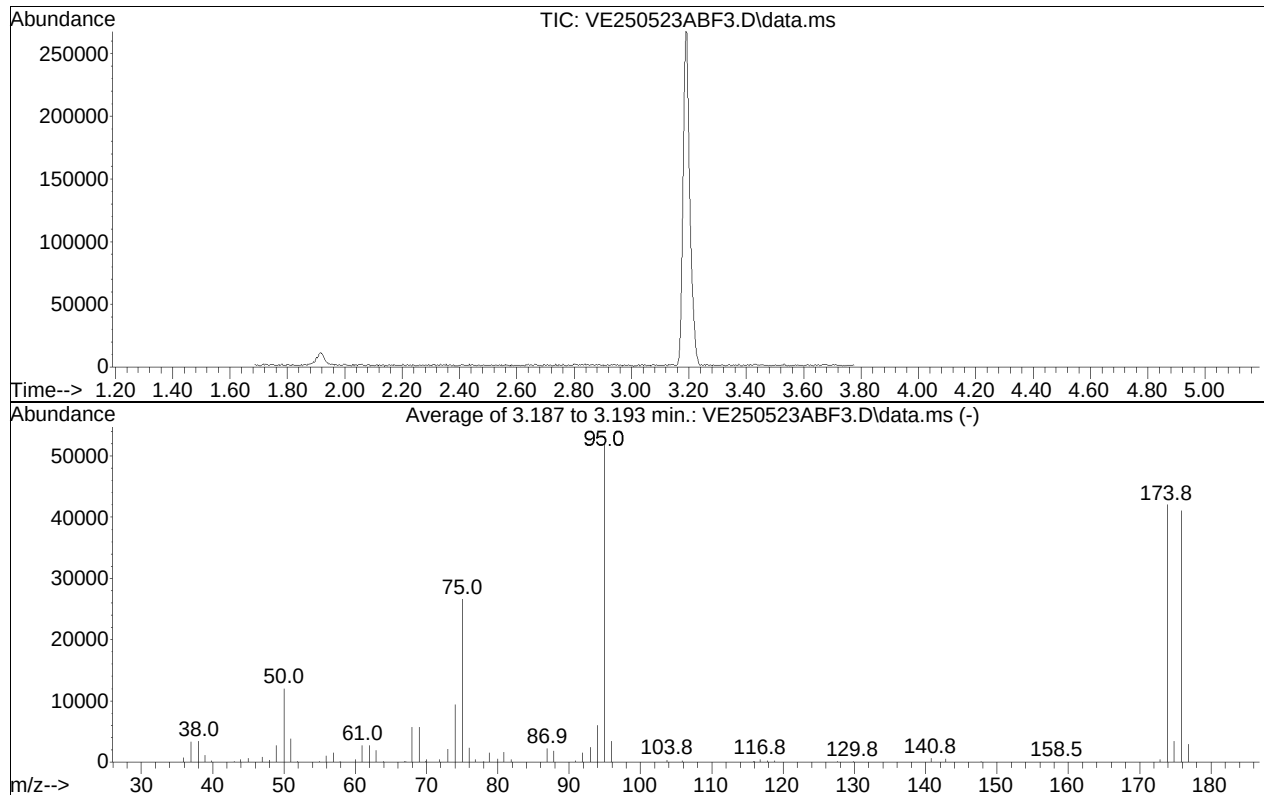
(#) = Out of Range

BFB

Data Path : K:\Elaine\2025\250523AICAL\
 Data File : VE250523ABF3.D
 Acq On : 23 May 2025 12:35 am
 Operator : ELAINE:TMS
 Sample : WG2070650-1
 Misc : WG2070650,ICAL
 ALS Vial : 1 Sample Multiplier: 1

Integration File: rteint.p

Method : K:\Elaine\2025\250523AICAL\Elaine_250523A_8260.m
 Title : VOLATILES BY GC/MS
 Last Update : Fri May 23 20:15:15 2025



Spectrum Information: Average of 3.187 to 3.193 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	22.9	11968	PASS
75	95	30	60	51.0	26616	PASS
95	95	100	100	100.0	52189	PASS
96	95	5	9	6.6	3426	PASS
173	174	0.00	2	0.9	385	PASS
174	95	50	100	80.5	42032	PASS
175	174	5	9	8.2	3430	PASS
176	174	95	101	97.8	41123	PASS
177	176	5	9	7.0	2872	PASS

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250523AICAL\
 Data File : VE250523A03.D
 Acq On : 23 May 2025 1:46 am
 Operator : ELAINE:JIC
 Sample : I8260STD0.19PPB
 Misc : WG2070650, ICAL (Sig #1); WG, ICAL22151 (Sig #2)
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 23 19:41:58 2025
 Quant Method : K:\Elaine\2025\250523AICAL\Elaine_250523A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri May 23 19:38:23 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250523AICAL\VE250523A09.D
 Sub List : 8260-L11_NJnew - L11 new NJ

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.746	96	265975	10.000	ug/L	0.00
Standard Area 1 = 275801			Recovery	=	96.44%	
63) Chlorobenzene-d5	9.253	117	216014	10.000	ug/L	0.00
Standard Area 1 = 232323			Recovery	=	92.98%	
84) 1,4-Dichlorobenzene-d4	12.011	152	125299	10.000	ug/L	0.00
Standard Area 1 = 130581			Recovery	=	95.96%	
System Monitoring Compounds						
39) Dibromofluoromethane	4.951	113	77761	9.933	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	99.33%	
47) 1,2-Dichloroethane-d4	5.465	65	75261	9.367	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	93.67%	
64) Toluene-d8	7.420	98	282371	10.103	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	101.03%	
88) 4-Bromofluorobenzene	10.781	95	106593	10.293	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	102.93%	
Target Compounds						
						Qvalue
4) Vinyl chloride	1.759	62	1503	0.161	ug/L	84
37) Carbon tetrachloride	4.894	117	1232M4	0.139	ug/L	
45) Benzene	5.333	78	4218	0.169	ug/L #	86
48) 1,2-Dichloroethane	5.544	62	1150M6	0.144	ug/L	
52) Trichloroethene	5.922	95	972	0.163	ug/L #	76
62) cis-1,3-Dichloropropene	7.230	75	1351	0.147	ug/L #	38
67) Tetrachloroethene	7.923	166	1303	0.190	ug/L	89
69) trans-1,3-Dichloropropene	7.959	75	1020	0.135	ug/L #	1
92) 1,1,2,2-Tetrachloroethane	11.028	83	1042M6	0.188	ug/L	

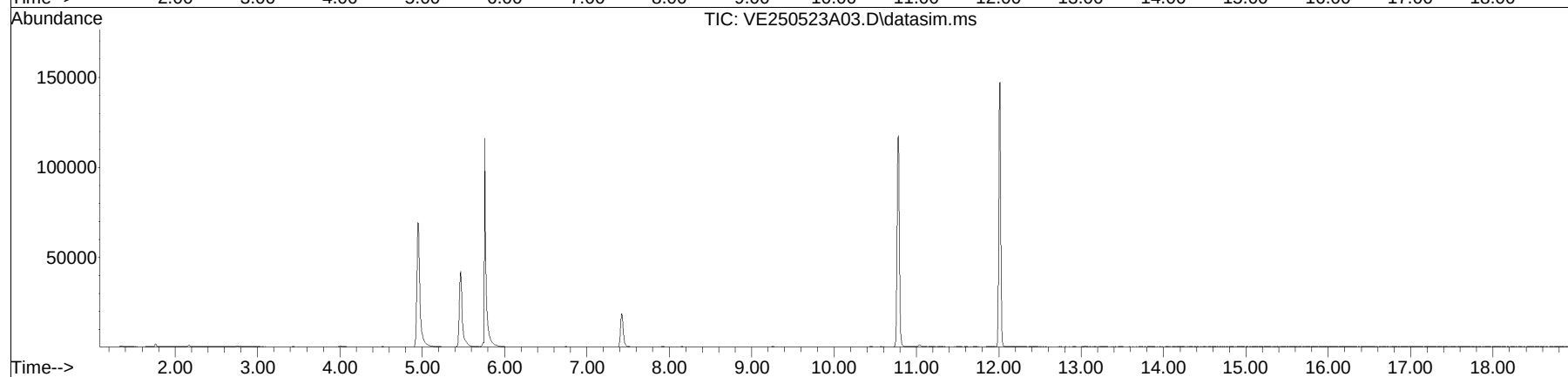
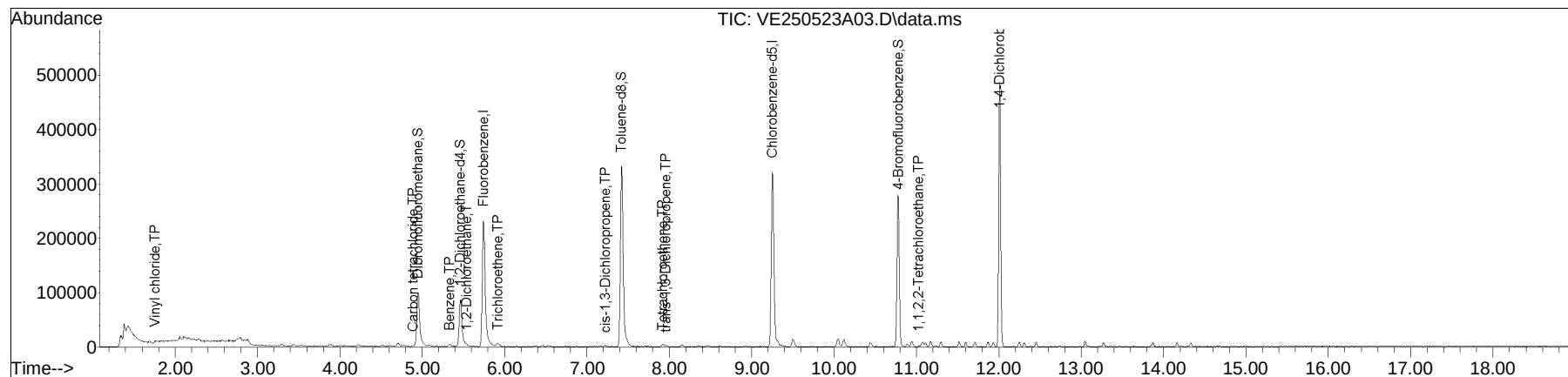
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250523AICAL\
 Data File : VE250523A03.D
 Acq On : 23 May 2025 1:46 am
 Operator : ELAINE:JIC
 Sample : I8260STD0.19PPB
 Misc : WG2070650,ICAL (Sig #1); WG,ICAL22151 (Sig #2)
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: May 23 19:41:58 2025
 Quant Method : K:\Elaine\2025\250523AICAL\Elaine_250523A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri May 23 19:38:23 2025
 Response via : Initial Calibration

SOALLISTE(s) : 8260KL1E\Elaine\2025\250523AICAL\VE250523A09.D•



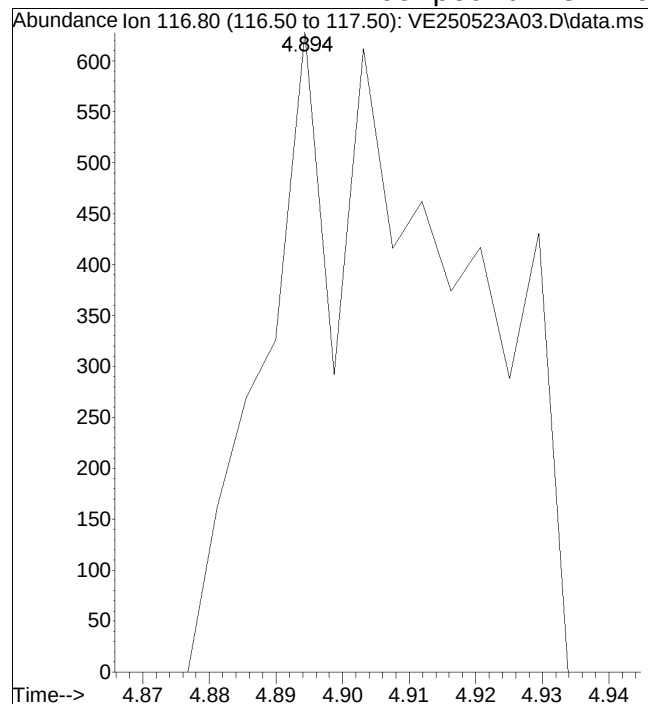
Elaine_250523A_8260.m Sat May 24 10:40:36 2025

Page: 2

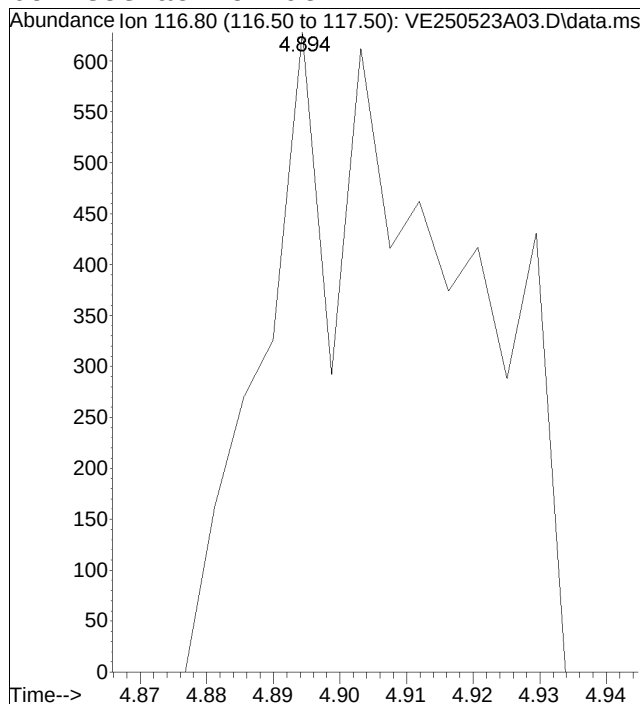
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQMethod : Elaine_250523A_8260.m
Data File : VE250523A03.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 1:46 am Instrument : Elaine
Sample : I8260STD0.19PPB Quant Date : 5/23/2025 7:39 pm

Compound #37: Carbon tetrachloride



Original Peak Response = 1232
M4 = Baseline adjustment required

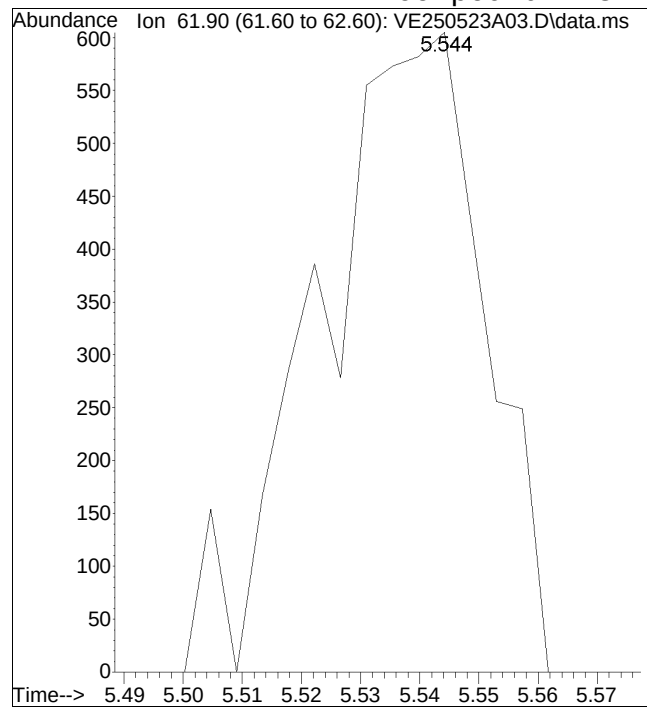


Manual Peak Response = 1232 M4

Manual Integration Report

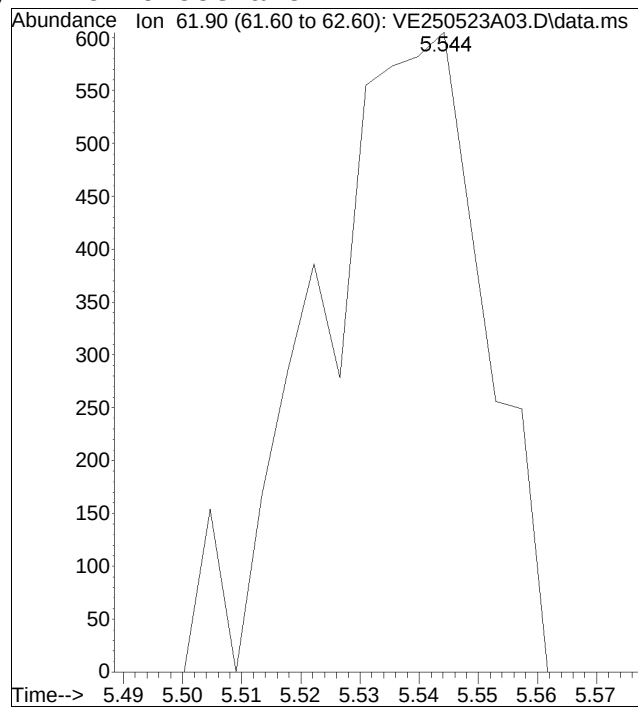
Data Path : K:\Elaine\2025\250523AICALQMethod : Elaine_250523A_8260.m
Data File : VE250523A03.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 1:46 am Instrument : Elaine
Sample : I8260STD0.19PPB Quant Date : 5/23/2025 7:39 pm

Compound #48: 1,2-Dichloroethane



Original Peak Response = 1191

M6 = Misassignment of peak valley

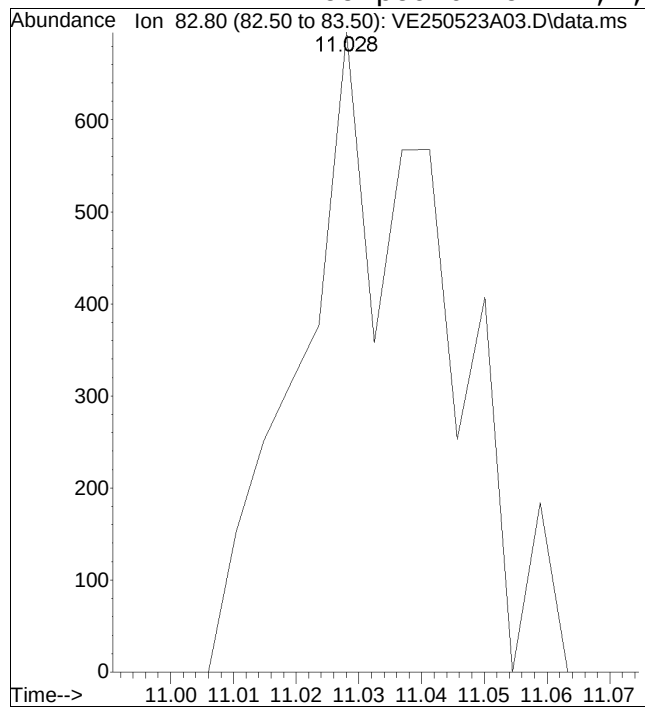


Manual Peak Response = 1150 M6

Manual Integration Report

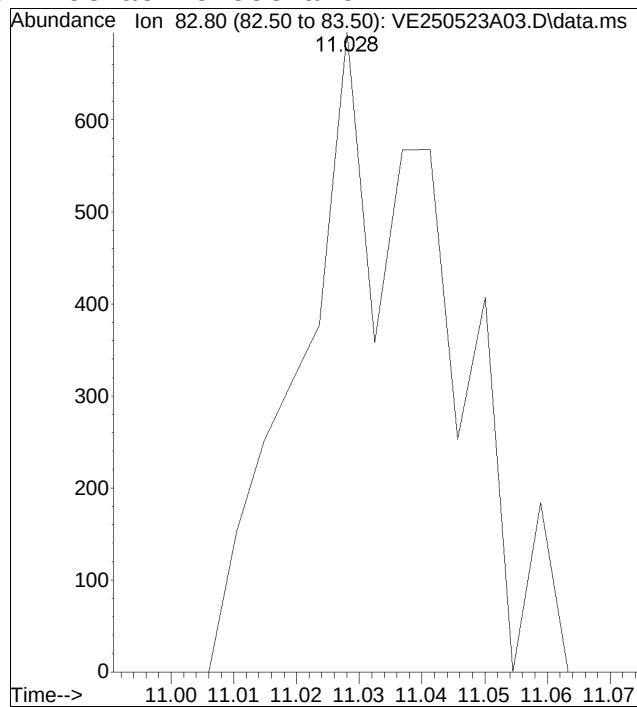
Data Path : K:\Elaine\2025\250523AICALQ Method : Elaine_250523A_8260.m
Data File : VE250523A03.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 1:46 am Instrument : Elaine
Sample : I8260STD0.19PPB Quant Date : 5/23/2025 7:39 pm

Compound #92: 1,1,2,2-Tetrachloroethane



Original Peak Response = 1091

M6 = Misassignment of peak valley



Manual Peak Response = 1042 M6

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250523AICAL\
 Data File : VE250523A05.D
 Acq On : 23 May 2025 2:35 am
 Operator : ELAINE:JIC
 Sample : I8260STD0.5PPB
 Misc : WG2070650, ICAL (Sig #1); WG, ICAL22151 (Sig #2)
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 23 19:47:44 2025
 Quant Method : K:\Elaine\2025\250523AICAL\Elaine_250523A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri May 23 19:38:23 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250523AICAL\VE250523A09.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.746	96	268919	10.000	ug/L	0.00
Standard Area 1 = 275801			Recovery	=	97.50%	
63) Chlorobenzene-d5	9.253	117	217748	10.000	ug/L	0.00
Standard Area 1 = 232323			Recovery	=	93.73%	
84) 1,4-Dichlorobenzene-d4	12.011	152	126670	10.000	ug/L	0.00
Standard Area 1 = 130581			Recovery	=	97.00%	
System Monitoring Compounds						
39) Dibromofluoromethane	4.951	113	77482	9.789	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	97.89%	
47) 1,2-Dichloroethane-d4	5.465	65	75581	9.304	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	93.04%	
64) Toluene-d8	7.425	98	281094	9.978	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	99.78%	
88) 4-Bromofluorobenzene	10.777	95	105699	10.096	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	100.96%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.509	85	3555	0.350	ug/L	93
3) Chloromethane	1.689	50	4640	0.433	ug/L	93
4) Vinyl chloride	1.759	62	3427	0.362	ug/L	98
5) Bromomethane	2.054	94	2137	0.480	ug/L	85
6) Chloroethane	2.168	64	2416M6	0.396	ug/L	
7) Trichlorofluoromethane	2.295	101	4371M6	0.367	ug/L	
8) Ethyl ether	2.572	74	1116	0.337	ug/L #	24
10) 1,1-Dichloroethene	2.752	96	2592	0.373	ug/L	93
11) Carbon disulfide	2.787	76	9049	0.420	ug/L	91
12) Freon-113	2.791	101	2086M6	0.301	ug/L	
13) Iodomethane	2.888	142	5781	0.558	ug/L	89
14) Acrolein	3.063	56	608M6	0.611	ug/L	
15) Methylene chloride	3.292	84	3401	0.449	ug/L	89
17) Acetone	3.331	43	2061M6	1.423	ug/L	
18) trans-1,2-Dichloroethene	3.432	96	2495	0.350	ug/L	96
19) Methyl acetate	3.441	43	2765	0.711	ug/L #	62
21) Methyl tert-butyl ether	3.529	73	5553	0.391	ug/L #	12
22) tert-Butyl alcohol	3.630	59	688	2.309	ug/L #	100
24) Diisopropyl ether	3.885	45	10252	0.442	ug/L #	66
25) 1,1-Dichloroethane	4.007	63	6193	0.436	ug/L	96
26) Halothane	4.060	117	1571M6	0.312	ug/L	

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250523AICAL\
 Data File : VE250523A05.D
 Acq On : 23 May 2025 2:35 am
 Operator : ELAINE:JIC
 Sample : I8260STD0.5PPB
 Misc : WG2070650, ICAL (Sig #1); WG, ICAL22151 (Sig #2)
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 23 19:47:44 2025
 Quant Method : K:\Elaine\2025\250523AICAL\Elaine_250523A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri May 23 19:38:23 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250523AICAL\VE250523A09.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) Acrylonitrile	4.047	53	793M6	0.396	ug/L	
28) Ethyl tert-butyl ether	4.236	59	7465	0.427	ug/L	96
29) Vinyl acetate	4.245	43	5222M6	0.457	ug/L	
30) cis-1,2-Dichloroethene	4.512	96	3416M6	0.425	ug/L	
31) 2,2-Dichloropropane	4.622	77	3924	0.363	ug/L #	74
33) Bromochloromethane	4.706	128	1470	0.385	ug/L	82
34) Cyclohexane	4.710	56	5064	0.351	ug/L	94
35) Chloroform	4.776	83	5588	0.447	ug/L	99
36) Ethyl acetate	0.000		0	N.D.	d	
37) Carbon tetrachloride	4.921	117	3074M6	0.344	ug/L	
38) Tetrahydrofuran	4.921	42	1106M3	0.658	ug/L	
40) 1,1,1-Trichloroethane	4.978	97	3687	0.358	ug/L #	88
42) 2-Butanone	5.057	43	2544M6	1.231	ug/L	
43) 1,1-Dichloropropene	5.088	75	2241	0.300	ug/L	92
45) Benzene	5.333	78	10650	0.421	ug/L	96
46) tert-Amyl methyl ether	5.448	73	6865	0.451	ug/L	93
48) 1,2-Dichloroethane	5.531	62	3646	0.451	ug/L	95
51) Methyl cyclohexane	5.904	83	4096	0.352	ug/L	95
52) Trichloroethene	5.927	95	2374	0.394	ug/L	90
54) Dibromomethane	6.357	93	1577	0.435	ug/L	91
55) 1,2-Dichloropropane	6.461	63	2513M6	0.380	ug/L	
57) 2-Chloroethyl vinyl ether	7.149	63	990	0.325	ug/L #	1
58) Bromodichloromethane	6.538	83	3559M6	0.420	ug/L	
61) 1,4-Dioxane	6.741	88	2988	84.509	ug/L #	76
62) cis-1,3-Dichloropropene	7.230	75	3710	0.398	ug/L #	64
65) Toluene	7.484	92	6647	0.397	ug/L	94
66) 4-Methyl-2-pentanone	7.923	58	695	0.417	ug/L #	1
67) Tetrachloroethene	7.923	166	2633	0.380	ug/L	97
69) trans-1,3-Dichloropropene	7.968	75	3553	0.465	ug/L	82
71) Ethyl methacrylate	8.158	69	3407	0.499	ug/L #	75
72) 1,1,2-Trichloroethane	8.153	83	1767	0.489	ug/L	93
73) Chlorodibromomethane	8.352	129	2256	0.406	ug/L	95
74) 1,3-Dichloropropane	8.466	76	3392	0.435	ug/L	91
75) 1,2-Dibromoethane	8.624	107	1934	0.441	ug/L	84
77) 2-Hexanone	8.936	43	2378M6	0.658	ug/L	
78) Chlorobenzene	9.276	112	8160	0.429	ug/L #	77
79) Ethylbenzene	9.312	91	14141	0.425	ug/L	96
80) 1,1,1,2-Tetrachloroethane	9.362	131	2419M6	0.405	ug/L	
81) p/m Xylene	9.502	106	12341	0.906	ug/L	89
82) o Xylene	10.049	106	12010	0.880	ug/L	90

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250523AICAL\
 Data File : VE250523A05.D
 Acq On : 23 May 2025 2:35 am
 Operator : ELAINE:JIC
 Sample : I8260STD0.5PPB
 Misc : WG2070650, ICAL (Sig #1); WG, ICAL22151 (Sig #2)
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 23 19:47:44 2025
 Quant Method : K:\Elaine\2025\250523AICAL\Elaine_250523A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri May 23 19:38:23 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250523AICAL\VE250523A09.D
 Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
83)	Styrene	10.117	104	20222	0.892	ug/L	99
85)	Bromoform	10.149	173	1409	0.405	ug/L	97
87)	Isopropylbenzene	10.442	105	15178	0.421	ug/L	99
89)	Bromobenzene	10.891	156	3540	0.436	ug/L	97
90)	n-Propylbenzene	10.940	91	17743	0.411	ug/L	100
91)	1,4-Dichlorobutane	10.962	55	4920M6	0.498	ug/L	
92)	1,1,2,2-Tetrachloroethane	11.037	83	2923	0.521	ug/L	99
93)	4-Ethyltoluene	11.072	105	15204	0.416	ug/L	100
94)	2-Chlorotoluene	11.107	91	11295M6	0.461	ug/L	
95)	1,3,5-Trimethylbenzene	11.169	105	12523	0.403	ug/L	95
96)	1,2,3-Trichloropropane	11.173	75	2276	0.474	ug/L	95
97)	trans-1,4-Dichloro-2-b...	11.222	53	1033M6	0.513	ug/L	
98)	4-Chlorotoluene	11.297	91	11815	0.452	ug/L	98
99)	tert-Butylbenzene	11.513	119	11504	0.420	ug/L	94
102)	1,2,4-Trimethylbenzene	11.601	105	11677	0.381	ug/L	98
103)	sec-Butylbenzene	11.711	105	15563	0.389	ug/L	97
104)	p-Isopropyltoluene	11.870	119	13533	0.382	ug/L	99
105)	1,3-Dichlorobenzene	11.936	146	8074	0.452	ug/L	95
106)	1,4-Dichlorobenzene	12.024	146	8530M3	0.495	ug/L	
107)	p-Diethylbenzene	12.248	119	7292	0.342	ug/L	95
108)	n-Butylbenzene	12.306	91	10763	0.368	ug/L	96
109)	1,2-Dichlorobenzene	12.455	146	7287	0.433	ug/L	96
110)	1,2,4,5-Tetramethylben...	13.046	119	13677	0.436	ug/L	98
111)	1,2-Dibromo-3-chloropr...	13.235	155	376	0.356	ug/L #	72
112)	1,3,5-Trichlorobenzene	13.275	180	5332	0.451	ug/L	99
113)	Hexachlorobutadiene	13.856	225	1485	0.417	ug/L #	85
114)	1,2,4-Trichlorobenzene	13.874	180	4827	0.450	ug/L	92
115)	Naphthalene	14.160	128	12339	0.493	ug/L	100
116)	1,2,3-Trichlorobenzene	14.332	180	5003	0.523	ug/L	94

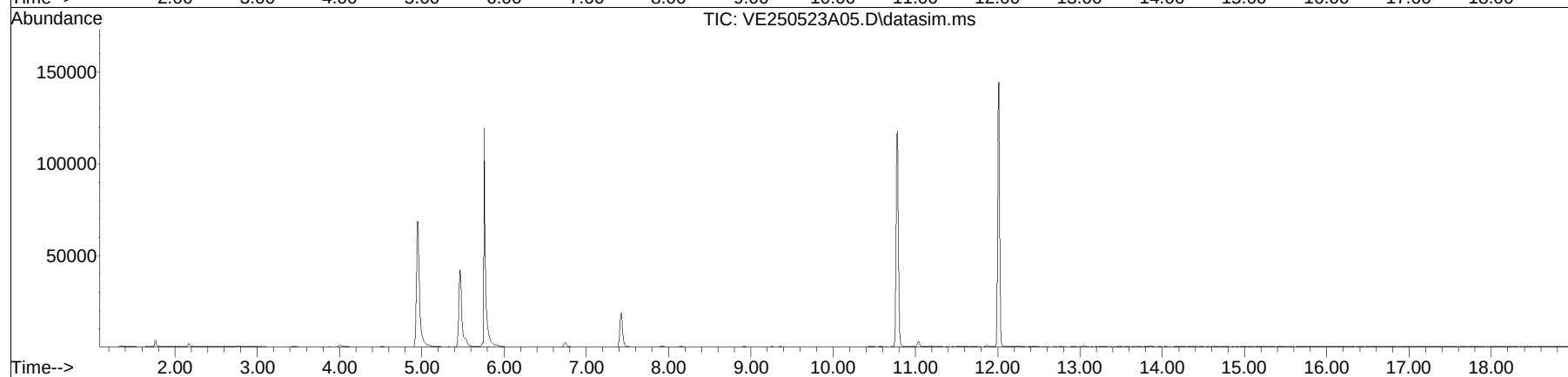
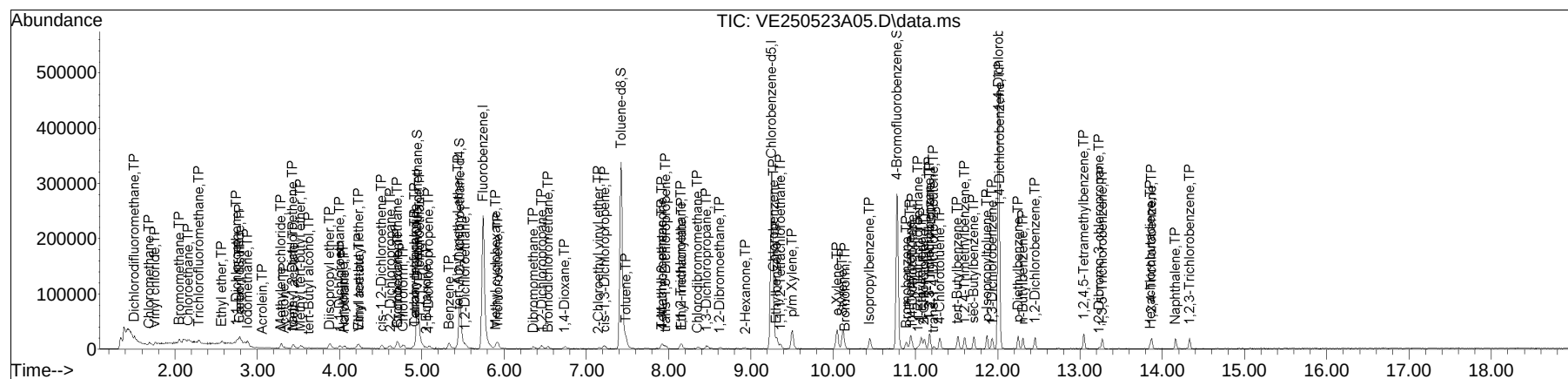
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250523AICAL\
 Data File : VE250523A05.D
 Acq On : 23 May 2025 2:35 am
 Operator : ELAINE:JIC
 Sample : I8260STD0.5PPB
 Misc : WG2070650,ICAL (Sig #1); WG,ICAL22151 (Sig #2)
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: May 23 19:47:44 2025
 Quant Method : K:\Elaine\2025\250523AICAL\Elaine_250523A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri May 23 19:38:23 2025
 Response via : Initial Calibration

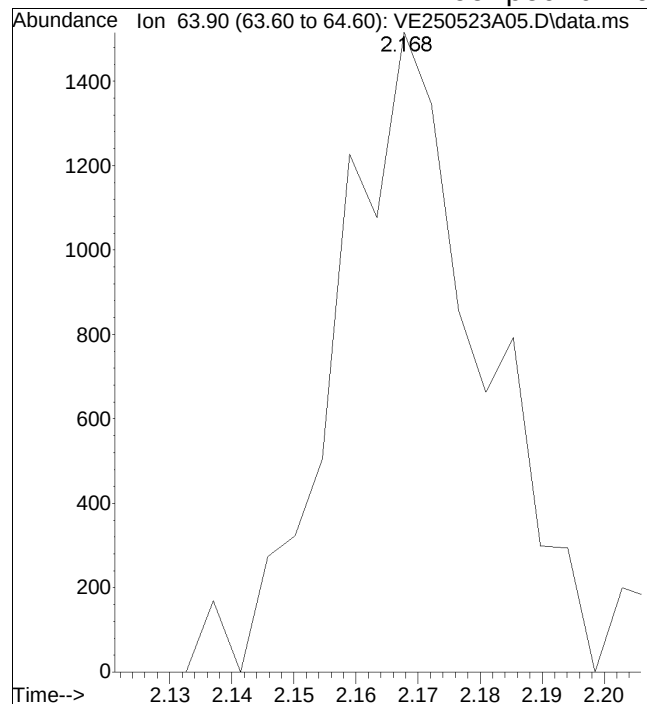
SOALLISTE(s) : 8260KCN\Elaine\2025\250523AICAL\VE250523A09.D•



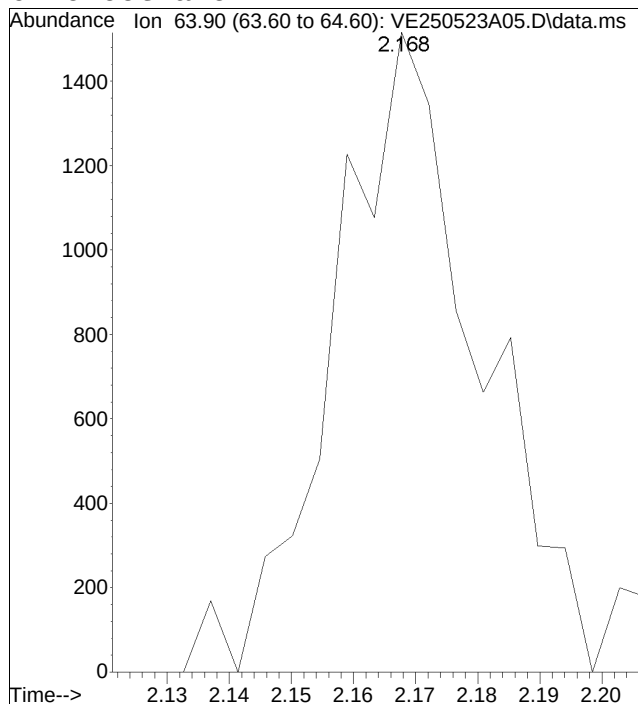
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQMethod : Elaine_250523A_8260.m
Data File : VE250523A05.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 2:35 am Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 5/23/2025 7:39 pm

Compound #6: Chloroethane



Original Peak Response = 2461
M6 = Misassignment of peak valley

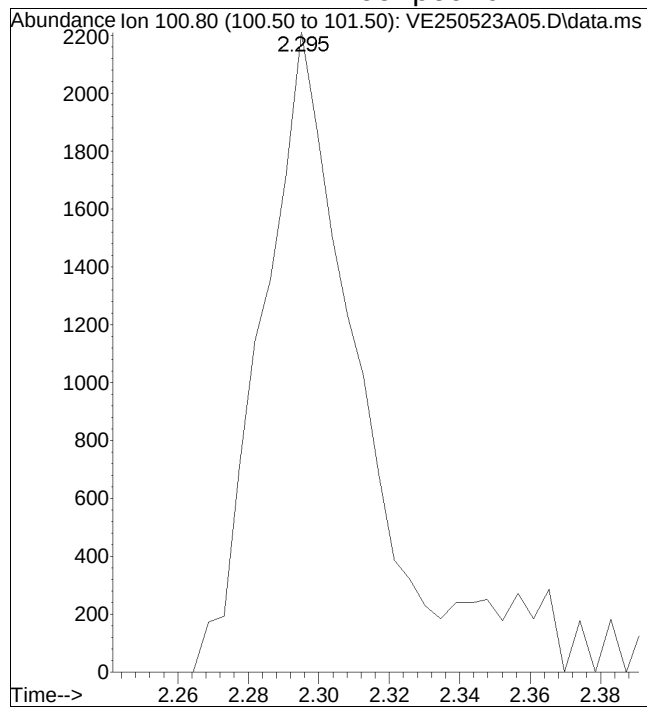


Manual Peak Response = 2416 M6

Manual Integration Report

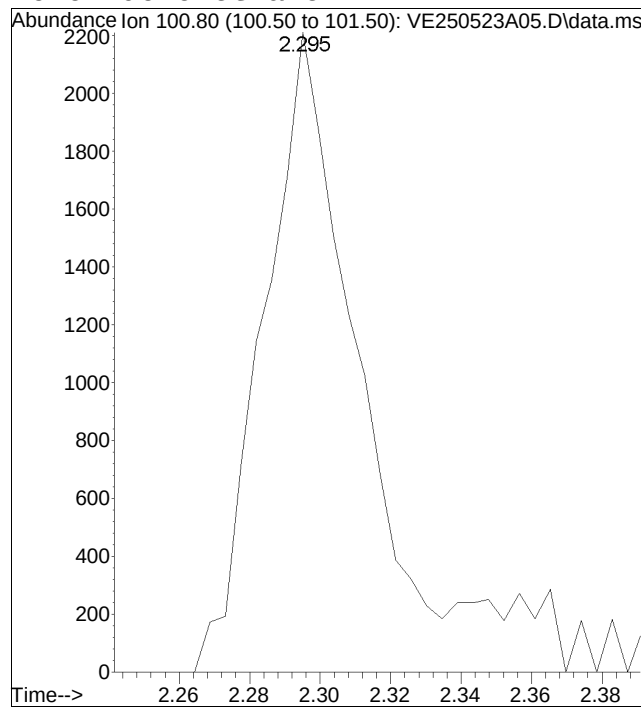
Data Path : K:\Elaine\2025\250523AICALQ Method : Elaine_250523A_8260.m
Data File : VE250523A05.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 2:35 am Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 5/23/2025 7:39 pm

Compound #7: Trichlorofluoromethane



Original Peak Response = 4418

M6 = Misassignment of peak valley

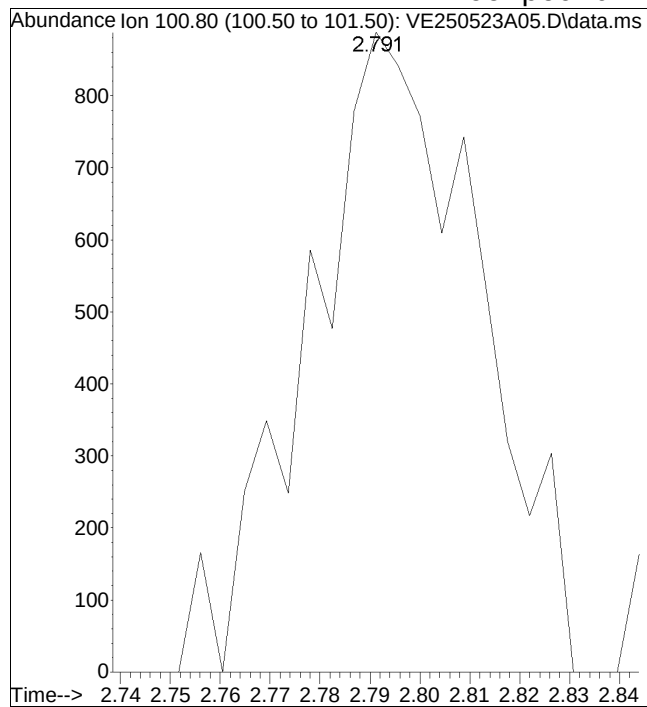


Manual Peak Response = 4371 M6

Manual Integration Report

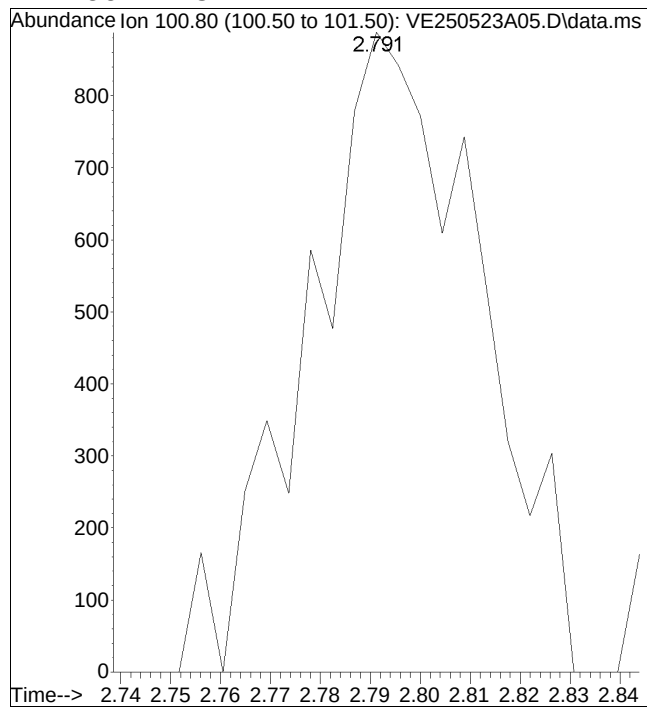
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Data File : VE250523A05.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 2:35 am Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 5/23/2025 7:39 pm

Compound #12: Freon-113



Original Peak Response = 2131

M6 = Misassignment of peak valley

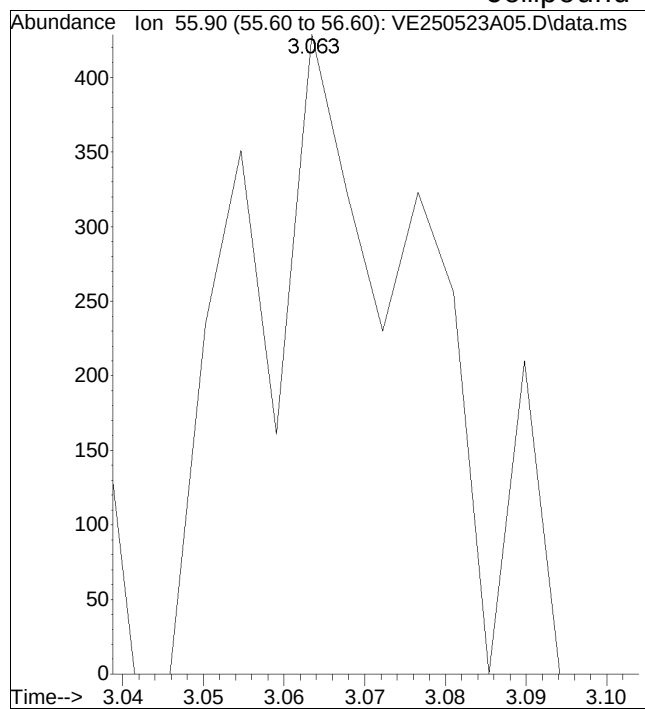


Manual Peak Response = 2086 M6

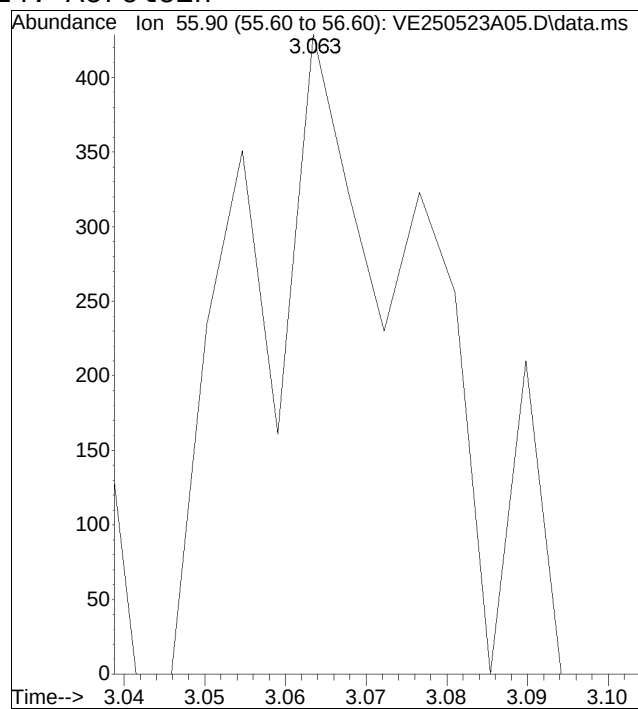
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQMethod : Elaine_250523A_8260.m
Data File : VE250523A05.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 2:35 am Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 5/23/2025 7:39 pm

Compound #14: Acrolein



Original Peak Response = 663
M6 = Misassignment of peak valley

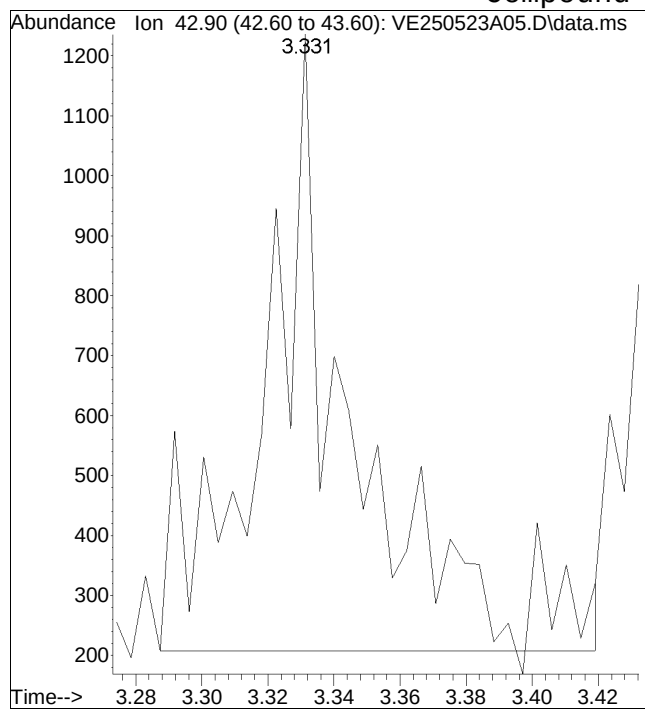


Manual Peak Response = 608 M6

Manual Integration Report

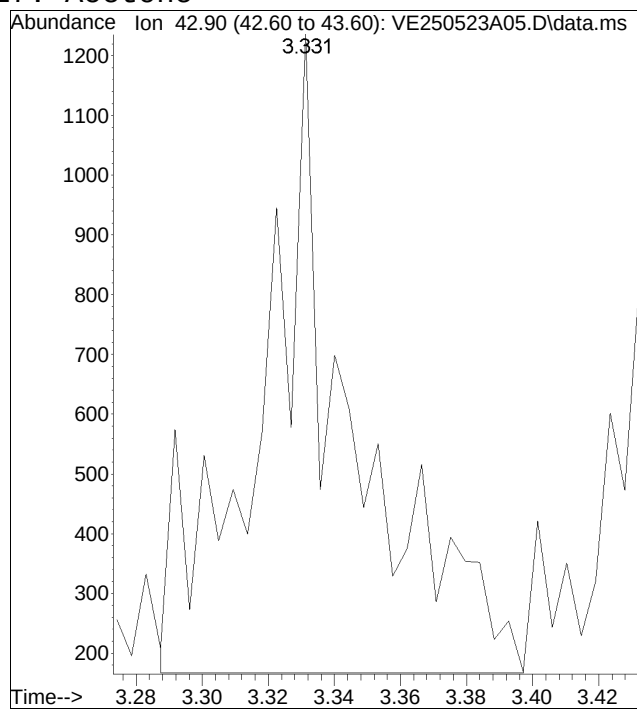
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Data File : VE250523A05.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 2:35 am Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 5/23/2025 7:39 pm

Compound #17: Acetone



Original Peak Response = 1929

M6 = Misassignment of peak valley

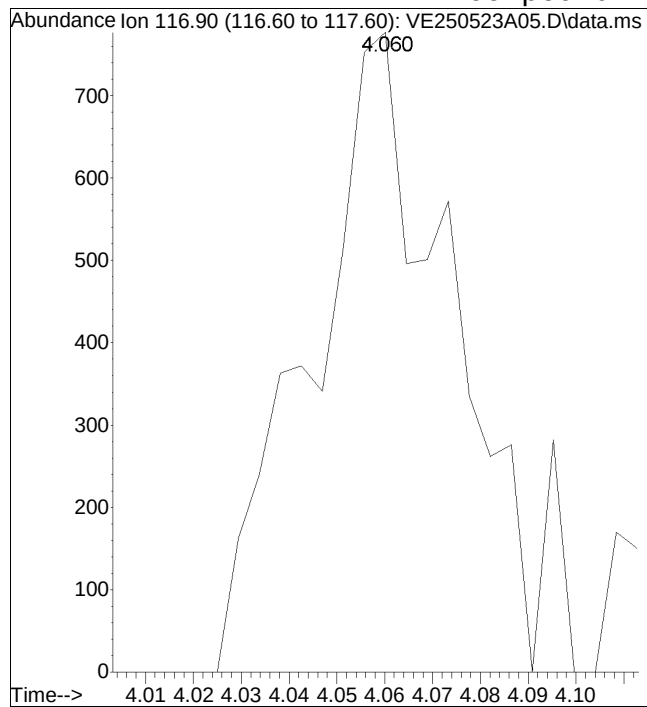


Manual Peak Response = 2061 M6

Manual Integration Report

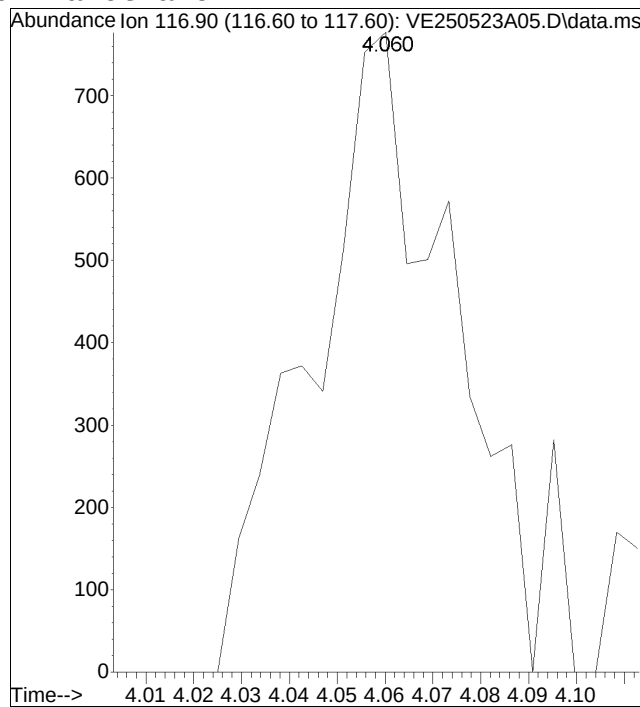
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Data File : VE250523A05.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 2:35 am Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 5/23/2025 7:39 pm

Compound #26: Halothane



Original Peak Response = 1646

M6 = Misassignment of peak valley

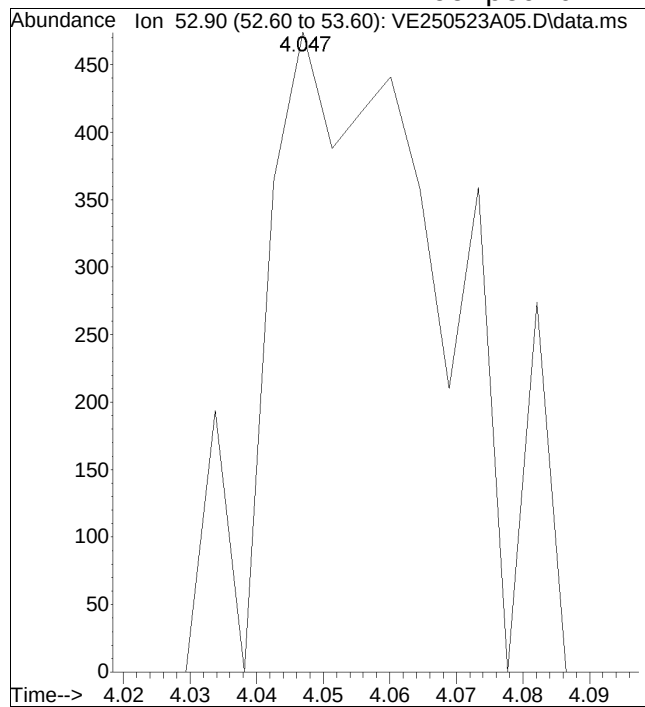


Manual Peak Response = 1571 M6

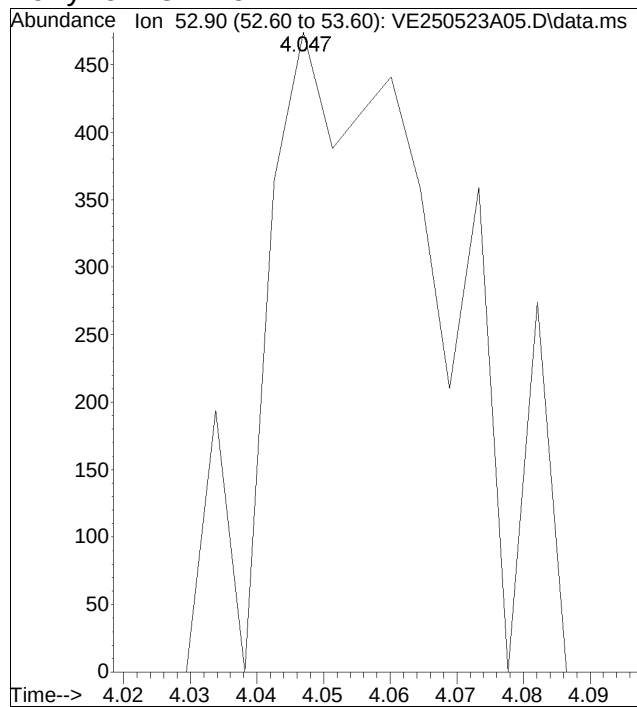
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQ Method : Elaine_250523A_8260.m
Data File : VE250523A05.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 2:35 am Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 5/23/2025 7:39 pm

Compound #27: Acrylonitrile



Original Peak Response = 916
M6 = Misassignment of peak valley

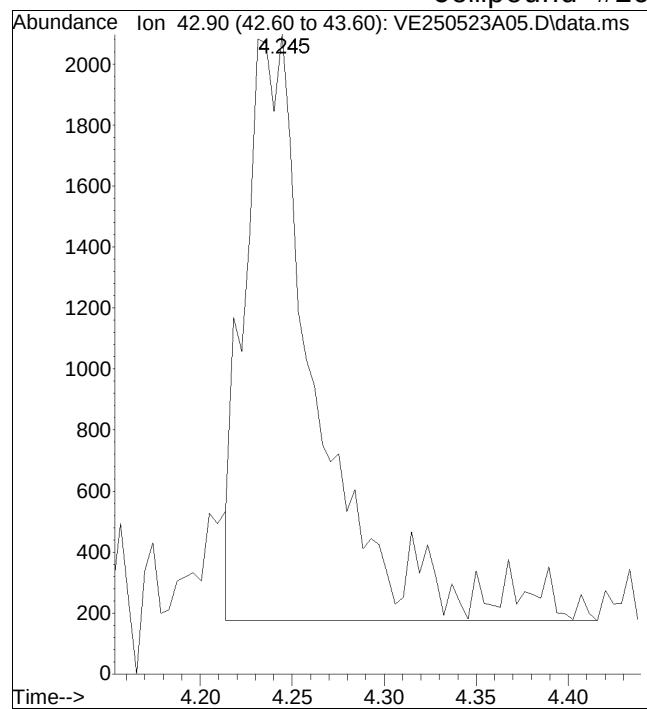


Manual Peak Response = 793 M6

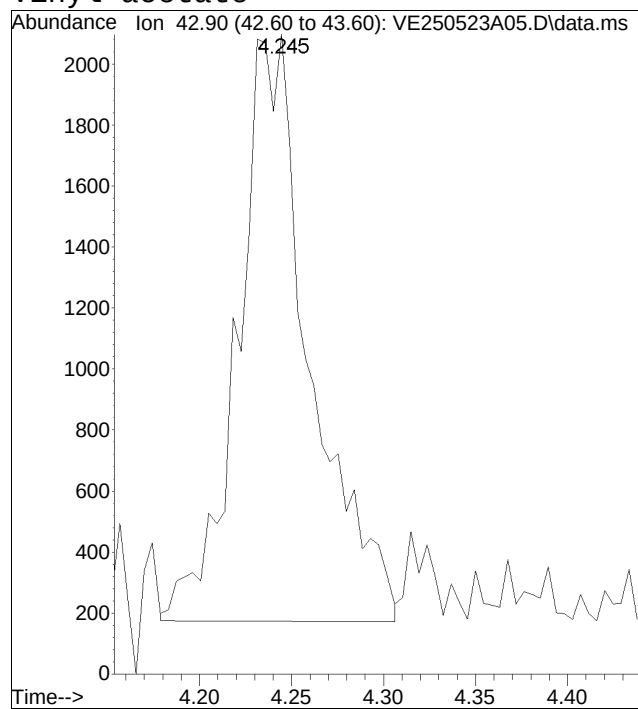
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICAL
Data File : VE250523A05.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 2:35 am Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 5/23/2025 7:39 pm

Compound #29: Vinyl acetate



Original Peak Response = 5380
M6 = Misassignment of peak valley

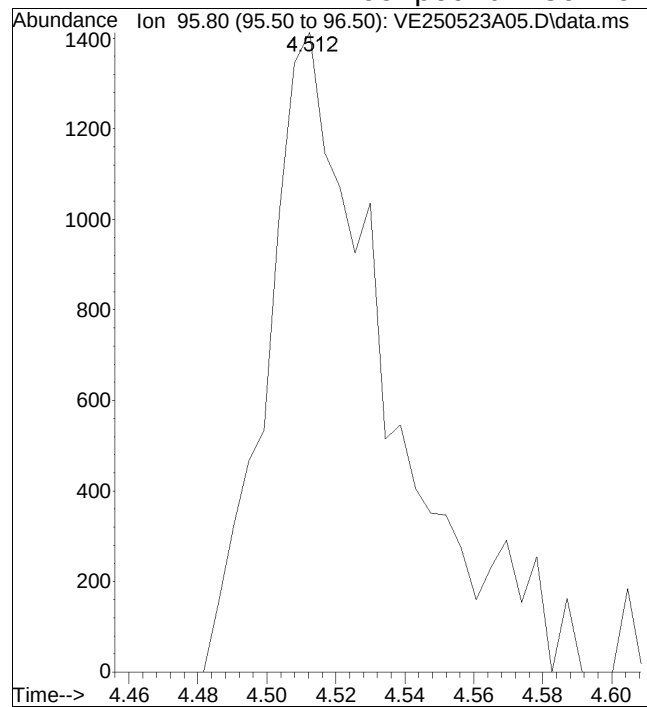


Manual Peak Response = 5222 M6

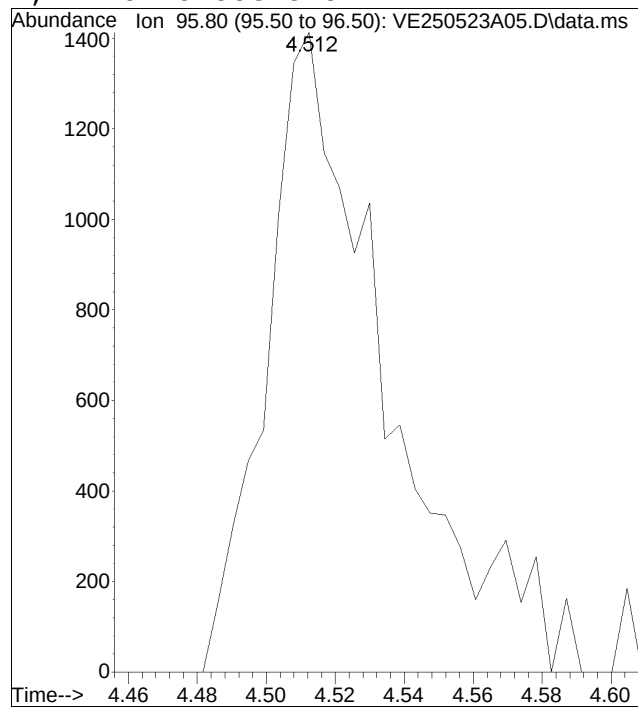
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQ Method : Elaine_250523A_8260.m
Data File : VE250523A05.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 2:35 am Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 5/23/2025 7:39 pm

Compound #30: cis-1,2-Dichloroethene



Original Peak Response = 3458
M6 = Misassignment of peak valley

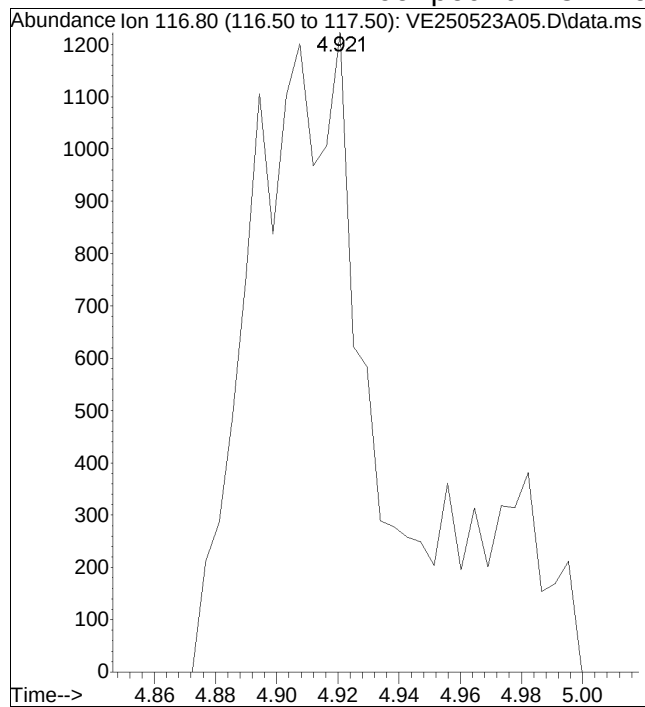


Manual Peak Response = 3416 M6

Manual Integration Report

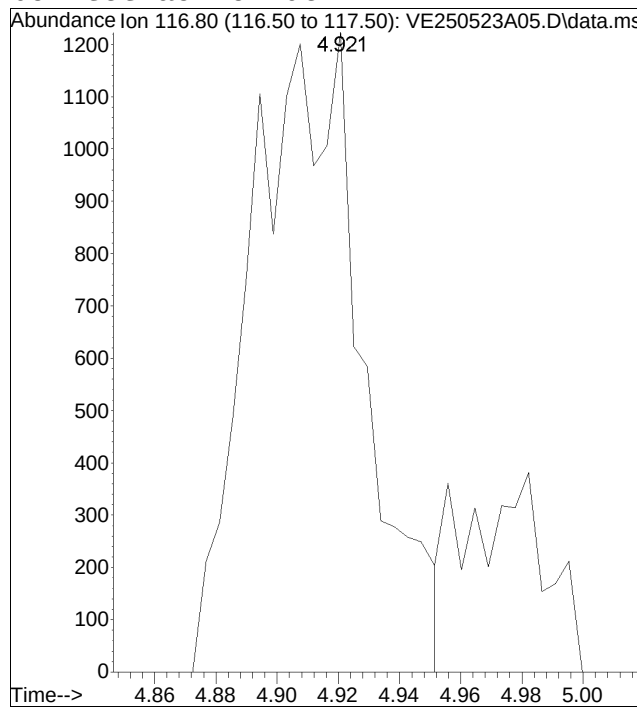
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Data File : VE250523A05.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 2:35 am Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 5/23/2025 7:39 pm

Compound #37: Carbon tetrachloride



Original Peak Response = 3764

M6 = Misassignment of peak valley

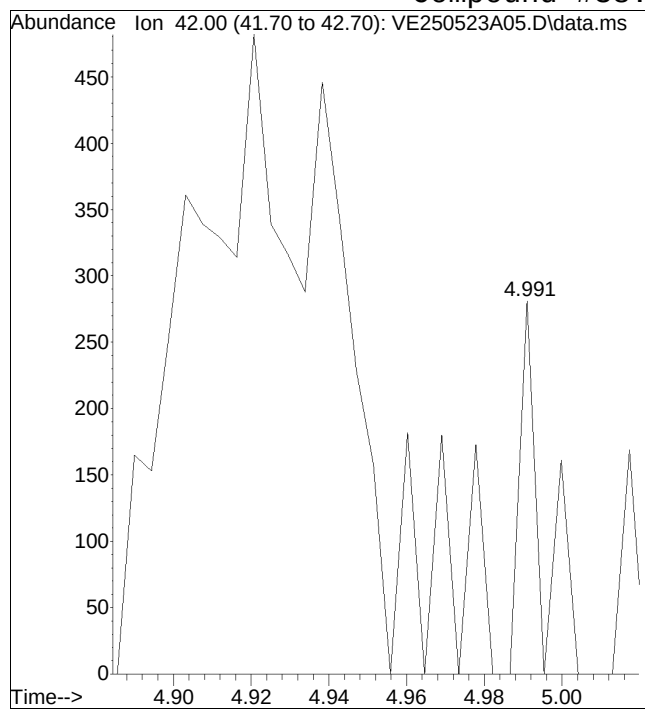


Manual Peak Response = 3074 M6

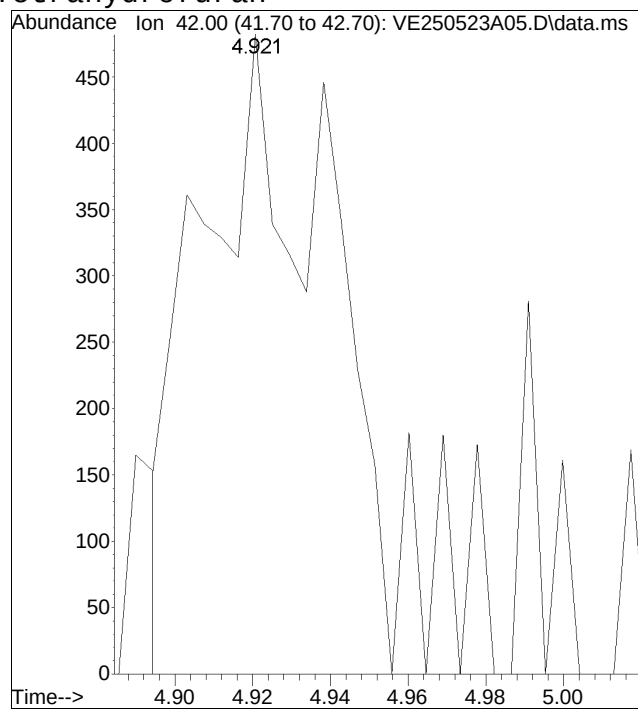
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQMethod : Elaine_250523A_8260.m
Data File : VE250523A05.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 2:35 am Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 5/23/2025 7:39 pm

Compound #38: Tetrahydrofuran



Original Peak Response = 117
M3 = Wrong Peak Identified

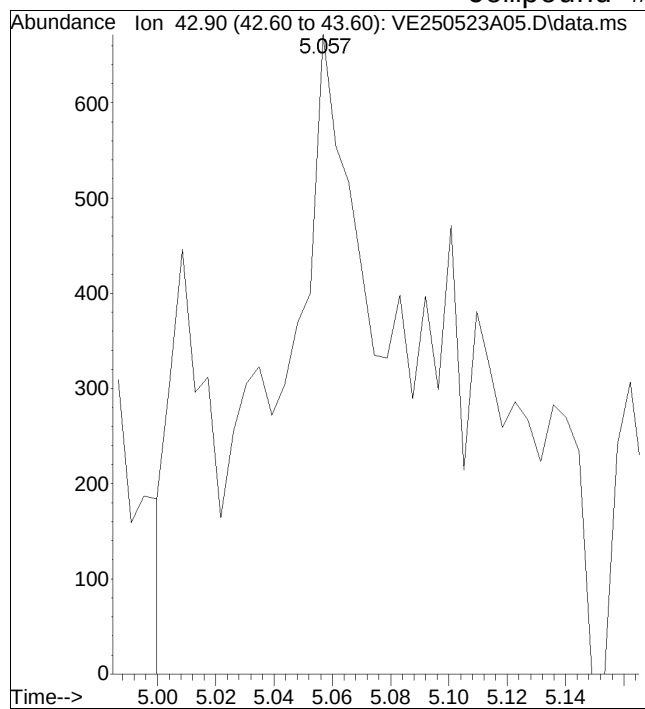


Manual Peak Response = 1106 M3

Manual Integration Report

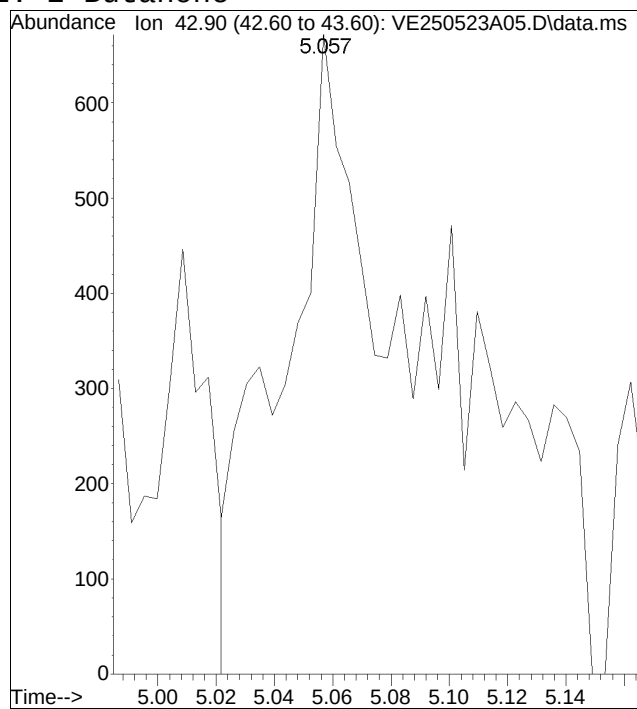
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Data File : VE250523A05.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 2:35 am Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 5/23/2025 7:39 pm

Compound #42: 2-Butanone



Original Peak Response = 2946

M6 = Misassignment of peak valley

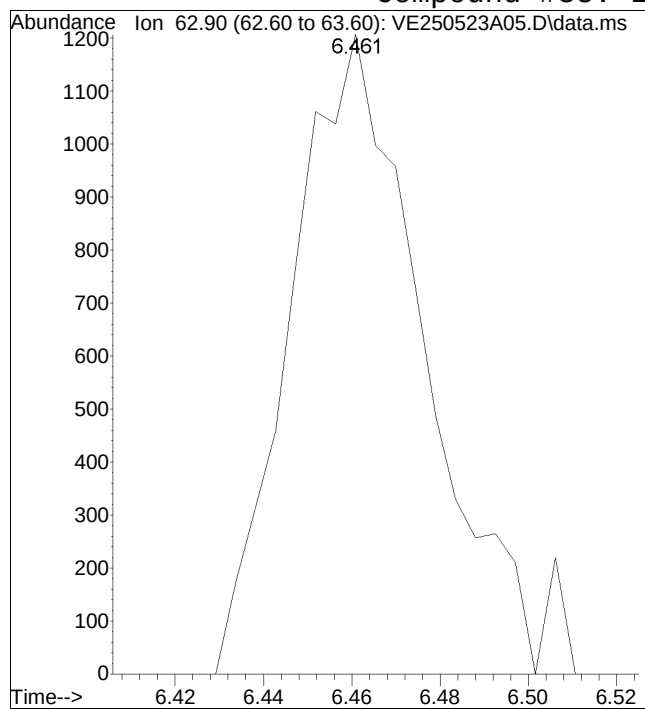


Manual Peak Response = 2544 M6

Manual Integration Report

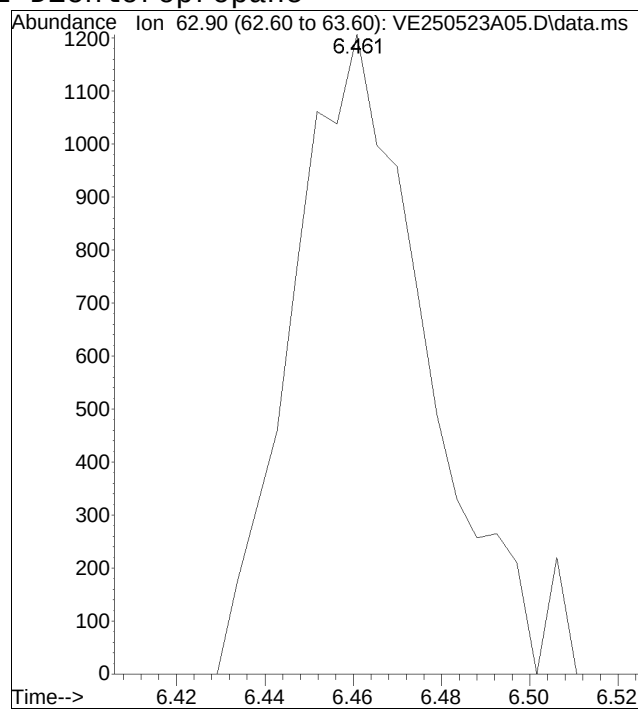
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Data File : VE250523A05.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 2:35 am Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 5/23/2025 7:39 pm

Compound #55: 1,2-Dichloropropane



Original Peak Response = 2573

M6 = Misassignment of peak valley

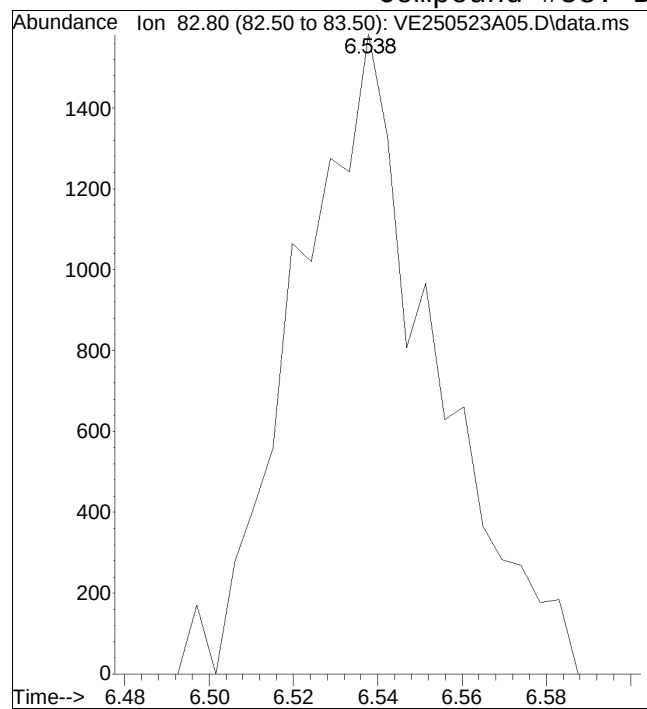


Manual Peak Response = 2513 M6

Manual Integration Report

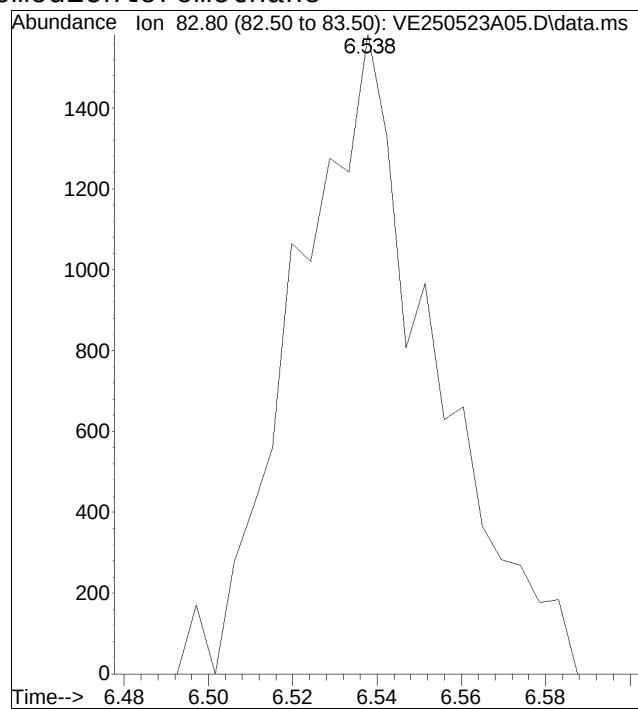
Data Path : K:\Elaine\2025\250523AICALQ Method : Elaine_250523A_8260.m
Data File : VE250523A05.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 2:35 am Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 5/23/2025 7:39 pm

Compound #58: Bromodichloromethane



Original Peak Response = 3606

M6 = Misassignment of peak valley

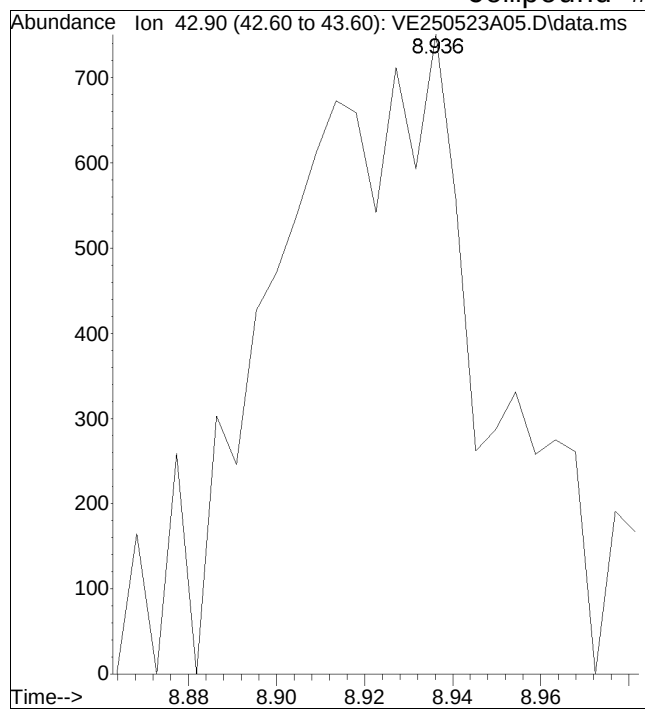


Manual Peak Response = 3559 M6

Manual Integration Report

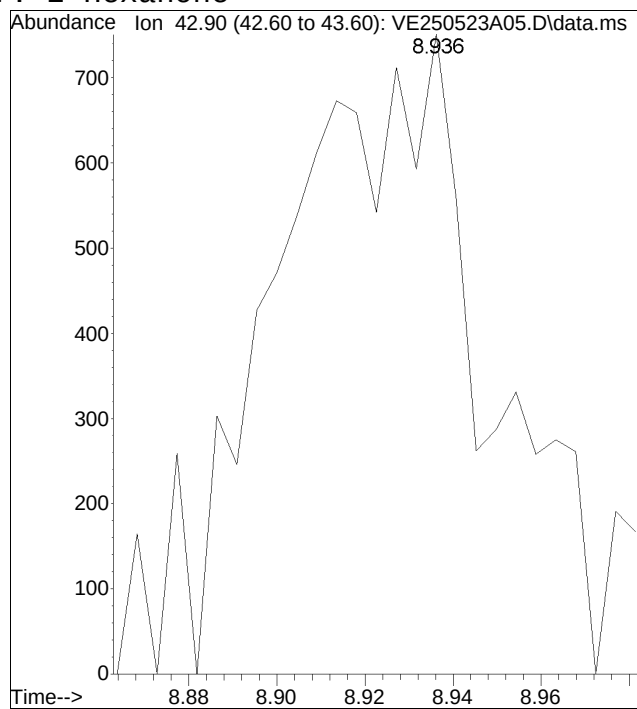
Data Path : K:\Elaine\2025\250523AICALQ Method : Elaine_250523A_8260.m
Data File : VE250523A05.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 2:35 am Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 5/23/2025 7:39 pm

Compound #77: 2-Hexanone



Original Peak Response = 2448

M6 = Misassignment of peak valley

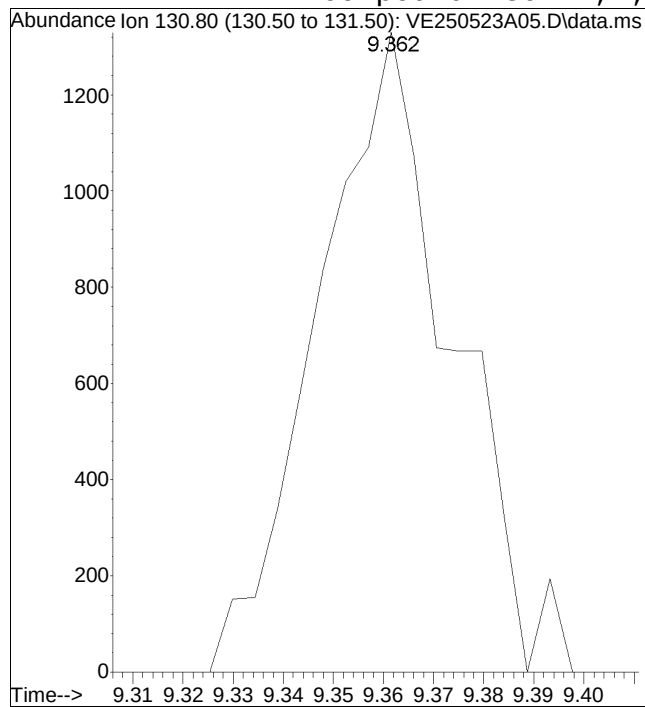


Manual Peak Response = 2378 M6

Manual Integration Report

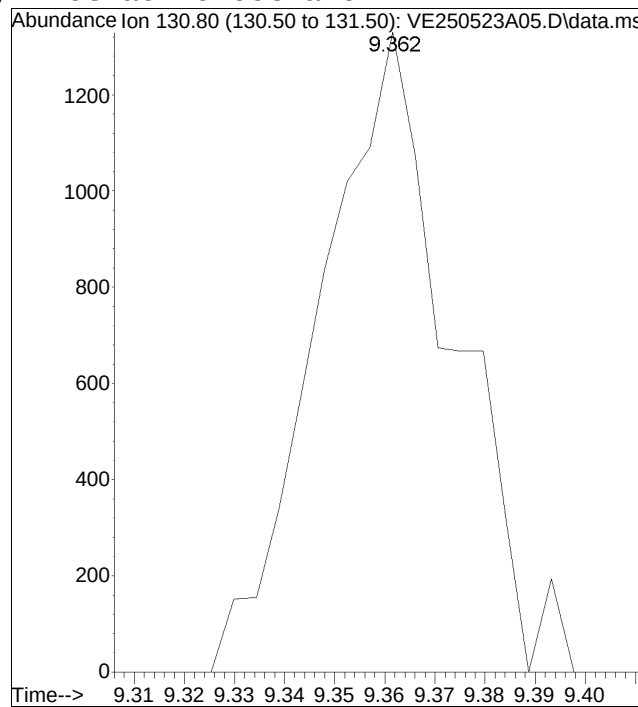
Data Path : K:\Elaine\2025\250523AICALQMethod : Elaine_250523A_8260.m
Data File : VE250523A05.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 2:35 am Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 5/23/2025 7:39 pm

Compound #80: 1,1,1,2-Tetrachloroethane



Original Peak Response = 2472

M6 = Misassignment of peak valley

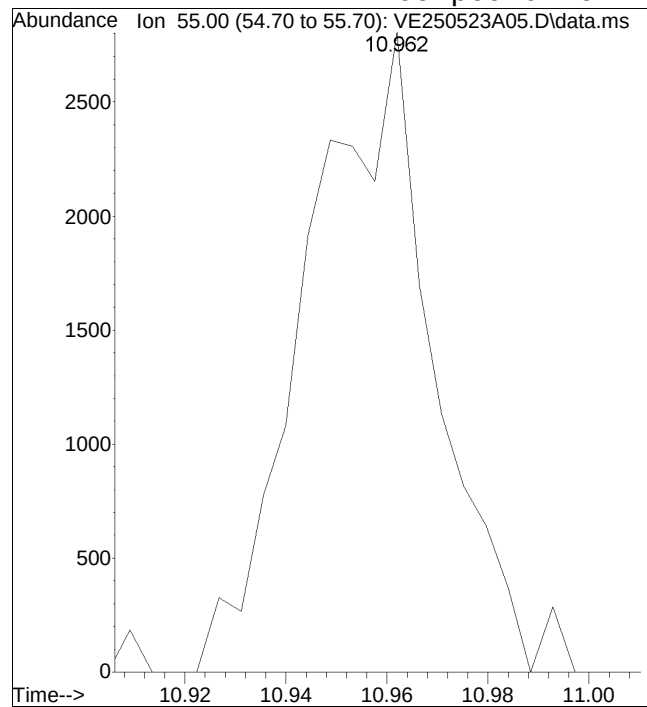


Manual Peak Response = 2419 M6

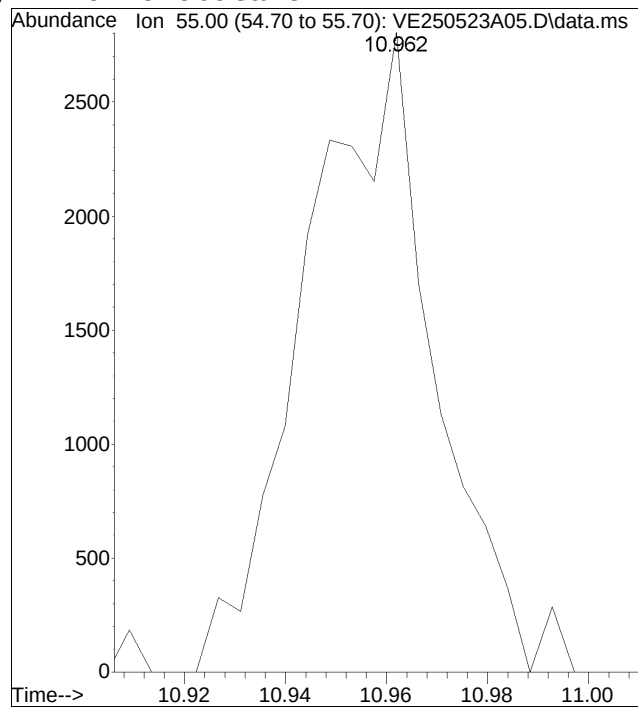
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQ Method : Elaine_250523A_8260.m
Data File : VE250523A05.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 2:35 am Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 5/23/2025 7:39 pm

Compound #91: 1,4-Dichlorobutane



Original Peak Response = 4997
M6 = Misassignment of peak valley

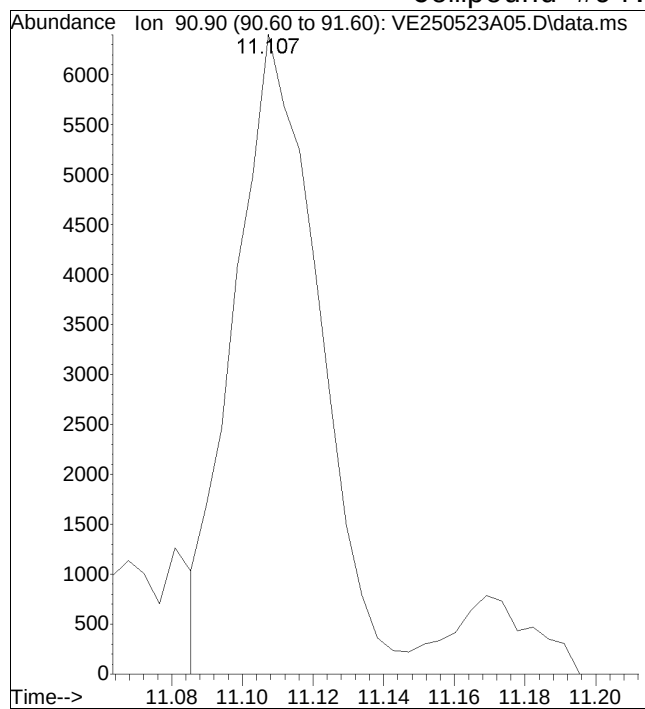


Manual Peak Response = 4920 M6

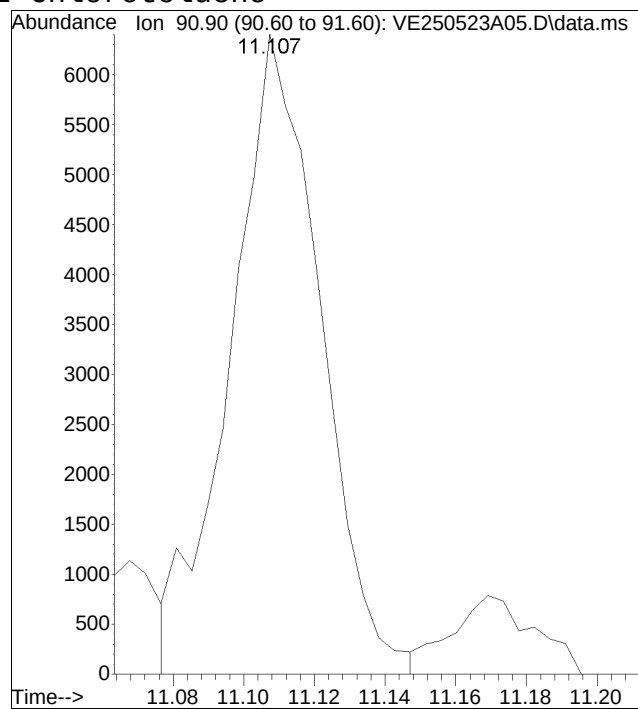
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQMethod : Elaine_250523A_8260.m
Data File : VE250523A05.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 2:35 am Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 5/23/2025 7:39 pm

Compound #94: 2-Chlorotoluene



Original Peak Response = 11950
M6 = Misassignment of peak valley



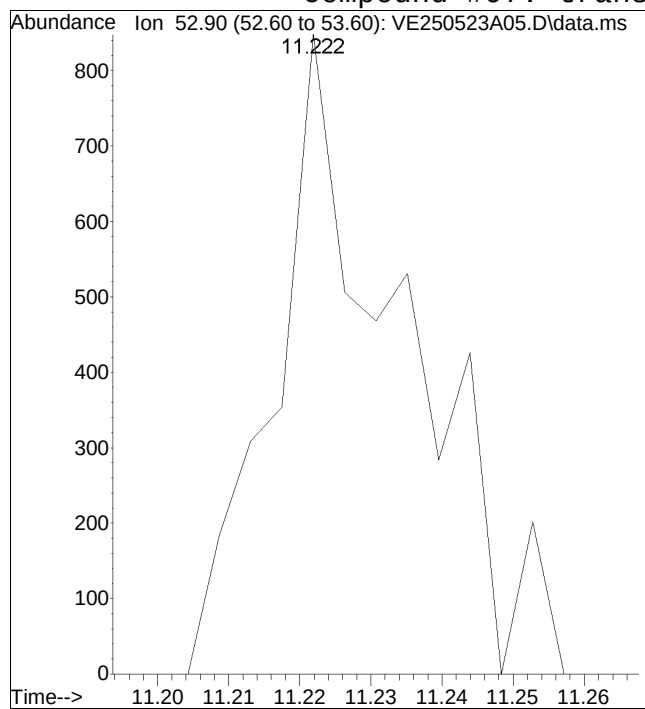
Manual Peak Response = 11295 M6

Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQ
Data File : VE250523A05.D
Date Inj'd : 5/23/2025 2:35 am
Sample : I8260STD0.5PPB

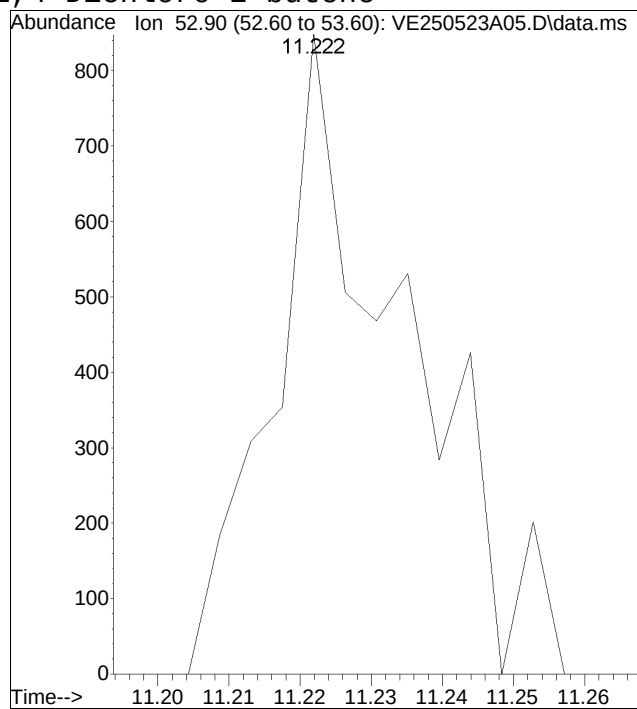
Method : Elaine_250523A_8260.m
Operator : ELAINE:JIC
Instrument : Elaine
Quant Date : 5/23/2025 7:39 pm

Compound #97: trans-1,4-Dichloro-2-butene



Original Peak Response = 1087

M6 = Misassignment of peak valley

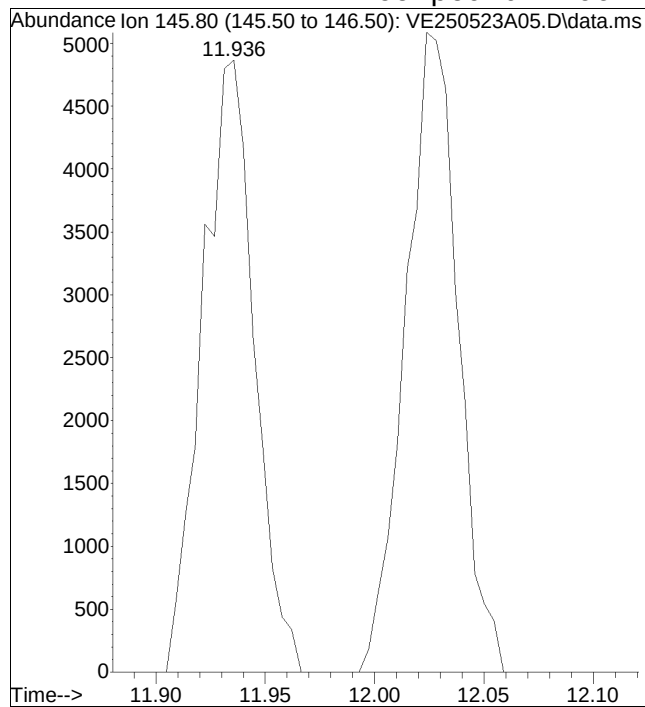


Manual Peak Response = 1033 M6

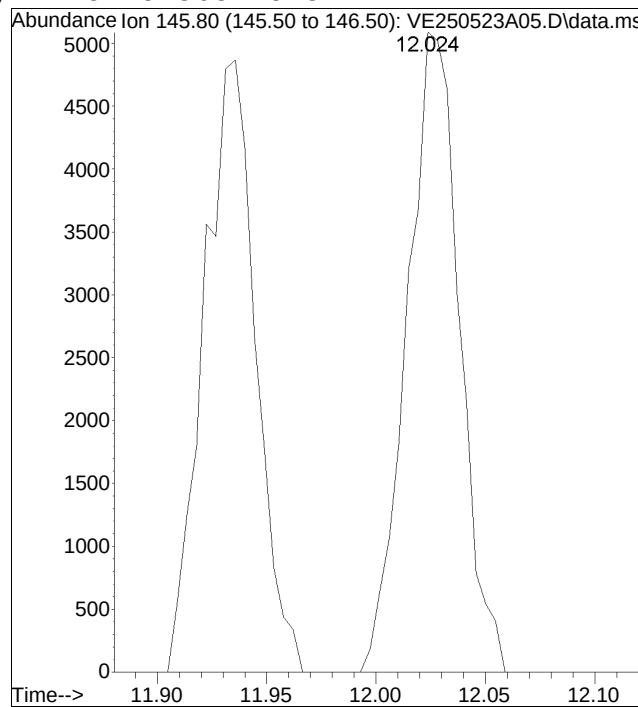
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQMethod : Elaine_250523A_8260.m
Data File : VE250523A05.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 2:35 am Instrument : Elaine
Sample : I8260STD0.5PPB Quant Date : 5/23/2025 7:39 pm

Compound #106: 1,4-Dichlorobenzene



Original Peak Response = 8074
M3 = Wrong Peak Identified



Manual Peak Response = 8530 M3

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250523AICAL\
 Data File : VE250523A07.D
 Acq On : 23 May 2025 3:23 am
 Operator : ELAINE:JIC
 Sample : I8260STD2PPB
 Misc : WG2070650, ICAL (Sig #1); WG, ICAL22151 (Sig #2)
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 23 19:58:15 2025
 Quant Method : K:\Elaine\2025\250523AICAL\Elaine_250523A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri May 23 19:38:23 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250523AICAL\VE250523A09.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.746	96	268784M6	10.000	ug/L	0.00
Standard Area 1 = 275801			Recovery =	97.46%		
63) Chlorobenzene-d5	9.253	117	221325	10.000	ug/L	0.00
Standard Area 1 = 232323			Recovery =	95.27%		
84) 1,4-Dichlorobenzene-d4	12.011	152	126854	10.000	ug/L	0.00
Standard Area 1 = 130581			Recovery =	97.15%		
System Monitoring Compounds						
39) Dibromofluoromethane	4.947	113	77007	9.734	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	97.34%		
47) 1,2-Dichloroethane-d4	5.465	65	76316	9.399	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	93.99%		
64) Toluene-d8	7.425	98	287137	10.027	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	100.27%		
88) 4-Bromofluorobenzene	10.777	95	105940	10.104	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	101.04%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.514	85	20722	2.041	ug/L	98
3) Chloromethane	1.694	50	21718	2.027	ug/L	99
4) Vinyl chloride	1.759	62	20021	2.119	ug/L	100
5) Bromomethane	2.049	94	11135M1	2.501	ug/L	
6) Chloroethane	2.168	64	12629	2.071	ug/L	94
7) Trichlorofluoromethane	2.295	101	25110	2.107	ug/L	99
8) Ethyl ether	2.572	74	5925	1.791	ug/L #	83
10) 1,1-Dichloroethene	2.760	96	15262	2.197	ug/L	86
11) Carbon disulfide	2.787	76	45320	2.103	ug/L	98
12) Freon-113	2.791	101	13417	1.936	ug/L	91
13) Iodomethane	2.888	142	19594	1.893	ug/L	99
14) Acrolein	3.059	56	1975	1.985	ug/L #	23
15) Methylene chloride	3.301	84	14025	1.851	ug/L	86
17) Acetone	3.331	43	3806	2.630	ug/L	99
18) trans-1,2-Dichloroethene	3.441	96	13877	1.949	ug/L	95
19) Methyl acetate	3.450	43	8132M6	2.093	ug/L	
21) Methyl tert-butyl ether	3.538	73	26190	1.844	ug/L #	98
22) tert-Butyl alcohol	3.625	59	2144	7.200	ug/L #	100
24) Diisopropyl ether	3.880	45	45815	1.977	ug/L	97
25) 1,1-Dichloroethane	4.003	63	28482	2.008	ug/L	99
26) Halothane	4.065	117	9448	1.880	ug/L	97

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250523AICAL\
 Data File : VE250523A07.D
 Acq On : 23 May 2025 3:23 am
 Operator : ELAINE:JIC
 Sample : I8260STD2PPB
 Misc : WG2070650, ICAL (Sig #1); WG, ICAL22151 (Sig #2)
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 23 19:58:15 2025
 Quant Method : K:\Elaine\2025\250523AICAL\Elaine_250523A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri May 23 19:38:23 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250523AICAL\VE250523A09.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) Acrylonitrile	4.051	53	3921	1.960	ug/L	97
28) Ethyl tert-butyl ether	4.227	59	33488	1.918	ug/L	97
29) Vinyl acetate	4.240	43	24995	2.190	ug/L #	93
30) cis-1,2-Dichloroethene	4.517	96	15258	1.897	ug/L	99
31) 2,2-Dichloropropane	4.613	77	20685	1.913	ug/L	93
33) Bromochloromethane	4.701	128	7586	1.985	ug/L	95
34) Cyclohexane	4.710	56	26531	1.841	ug/L	99
35) Chloroform	4.776	83	25953	2.079	ug/L	96
36) Ethyl acetate	4.886	43	9847	2.213	ug/L #	88
37) Carbon tetrachloride	4.903	117	16829M6	1.883	ug/L	
38) Tetrahydrofuran	4.929	42	3359M1	2.000	ug/L	
40) 1,1,1-Trichloroethane	4.973	97	19236	1.869	ug/L	98
42) 2-Butanone	5.066	43	5326	2.579	ug/L #	81
43) 1,1-Dichloropropene	5.092	75	13457	1.801	ug/L	98
45) Benzene	5.333	78	49114	1.943	ug/L	98
46) tert-Amyl methyl ether	5.439	73	27847	1.830	ug/L	87
48) 1,2-Dichloroethane	5.531	62	16069	1.991	ug/L	98
51) Methyl cyclohexane	5.918	83	21797	1.875	ug/L	95
52) Trichloroethene	5.922	95	10765	1.787	ug/L	94
54) Dibromomethane	6.352	93	7026	1.939	ug/L	98
55) 1,2-Dichloropropane	6.461	63	12089	1.828	ug/L	99
57) 2-Chloroethyl vinyl ether	7.153	63	5409	1.777	ug/L #	66
58) Bromodichloromethane	6.538	83	15568	1.840	ug/L #	97
61) 1,4-Dioxane	6.741	88	10580	299.382	ug/L #	86
62) cis-1,3-Dichloropropene	7.221	75	16571	1.779	ug/L #	84
65) Toluene	7.475	92	33944	1.995	ug/L	99
66) 4-Methyl-2-pentanone	7.904	58	3014	1.778	ug/L #	60
67) Tetrachloroethene	7.927	166	13809	1.962	ug/L	96
69) trans-1,3-Dichloropropene	7.968	75	14102	1.816	ug/L #	73
71) Ethyl methacrylate	8.158	69	13583	1.956	ug/L	82
72) 1,1,2-Trichloroethane	8.144	83	7492	2.040	ug/L	99
73) Chlorodibromomethane	8.357	129	10585	1.874	ug/L	97
74) 1,3-Dichloropropane	8.466	76	15439	1.949	ug/L	99
75) 1,2-Dibromoethane	8.628	107	8792	1.973	ug/L	99
77) 2-Hexanone	8.918	43	7899	2.149	ug/L #	88
78) Chlorobenzene	9.271	112	38903	2.014	ug/L	98
79) Ethylbenzene	9.316	91	67817	2.006	ug/L	96
80) 1,1,1,2-Tetrachloroethane	9.357	131	11179	1.843	ug/L	96
81) p/m Xylene	9.502	106	55692	4.022	ug/L	98
82) o Xylene	10.045	106	54440	3.925	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250523AICAL\
 Data File : VE250523A07.D
 Acq On : 23 May 2025 3:23 am
 Operator : ELAINE:JIC
 Sample : I8260STD2PPB
 Misc : WG2070650,ICAL (Sig #1); WG,ICAL22151 (Sig #2)
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 23 19:58:15 2025
 Quant Method : K:\Elaine\2025\250523AICAL\Elaine_250523A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri May 23 19:38:23 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250523AICAL\VE250523A09.D
 Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
83)	Styrene	10.117	104	91102	3.953	ug/L	99
85)	Bromoform	10.144	173	6760	1.940	ug/L	98
87)	Isopropylbenzene	10.442	105	70301	1.947	ug/L	96
89)	Bromobenzene	10.887	156	16482	2.028	ug/L	100
90)	n-Propylbenzene	10.940	91	84279	1.952	ug/L	98
91)	1,4-Dichlorobutane	10.958	55	19503	1.969	ug/L	97
92)	1,1,2,2-Tetrachloroethane	11.037	83	11397	2.027	ug/L	97
93)	4-Ethyltoluene	11.072	105	73210	2.000	ug/L	99
94)	2-Chlorotoluene	11.107	91	50875M6	2.073	ug/L	
95)	1,3,5-Trimethylbenzene	11.173	105	60219	1.936	ug/L	98
96)	1,2,3-Trichloropropane	11.173	75	9250	1.924	ug/L	99
97)	trans-1,4-Dichloro-2-b...	11.231	53	3816	1.893	ug/L	87
98)	4-Chlorotoluene	11.297	91	51541	1.969	ug/L	96
99)	tert-Butylbenzene	11.517	119	54931	2.003	ug/L	94
102)	1,2,4-Trimethylbenzene	11.596	105	57770	1.883	ug/L	97
103)	sec-Butylbenzene	11.711	105	79026	1.975	ug/L	100
104)	p-Isopropyltoluene	11.870	119	68883	1.942	ug/L	98
105)	1,3-Dichlorobenzene	11.931	146	34695	1.939	ug/L	99
106)	1,4-Dichlorobenzene	12.028	146	33503	1.941	ug/L	93
107)	p-Diethylbenzene	12.248	119	38951	1.825	ug/L	97
108)	n-Butylbenzene	12.306	91	55038	1.881	ug/L	98
109)	1,2-Dichlorobenzene	12.455	146	33015	1.958	ug/L	100
110)	1,2,4,5-Tetramethylben...	13.046	119	58685	1.870	ug/L	98
111)	1,2-Dibromo-3-chloropr...	13.235	155	1997	1.889	ug/L	89
112)	1,3,5-Trichlorobenzene	13.271	180	23479	1.982	ug/L	99
113)	Hexachlorobutadiene	13.852	225	7752	2.173	ug/L	95
114)	1,2,4-Trichlorobenzene	13.874	180	21202	1.972	ug/L	97
115)	Naphthalene	14.165	128	49270	1.967	ug/L	100
116)	1,2,3-Trichlorobenzene	14.332	180	19475	2.034	ug/L	97

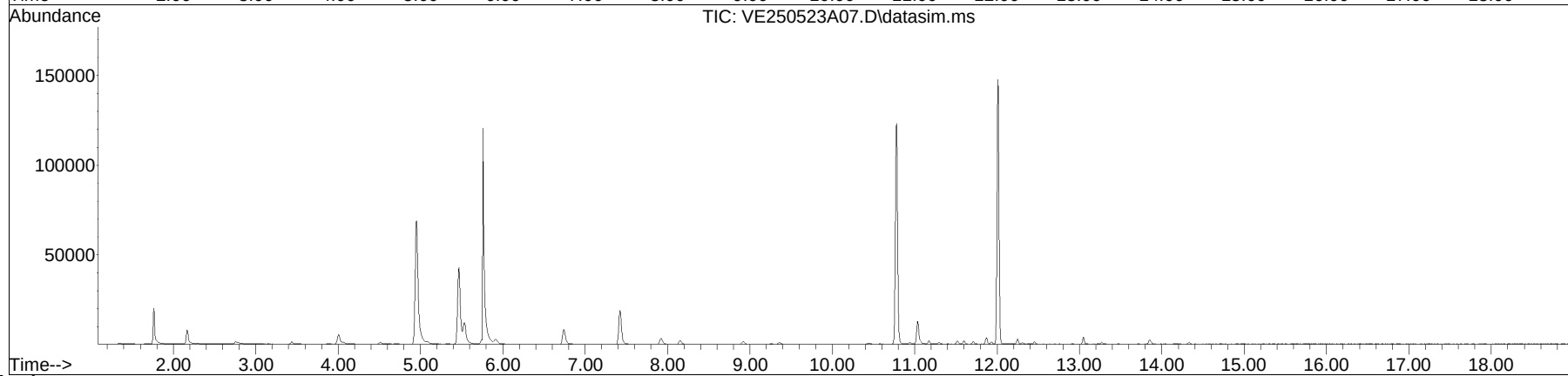
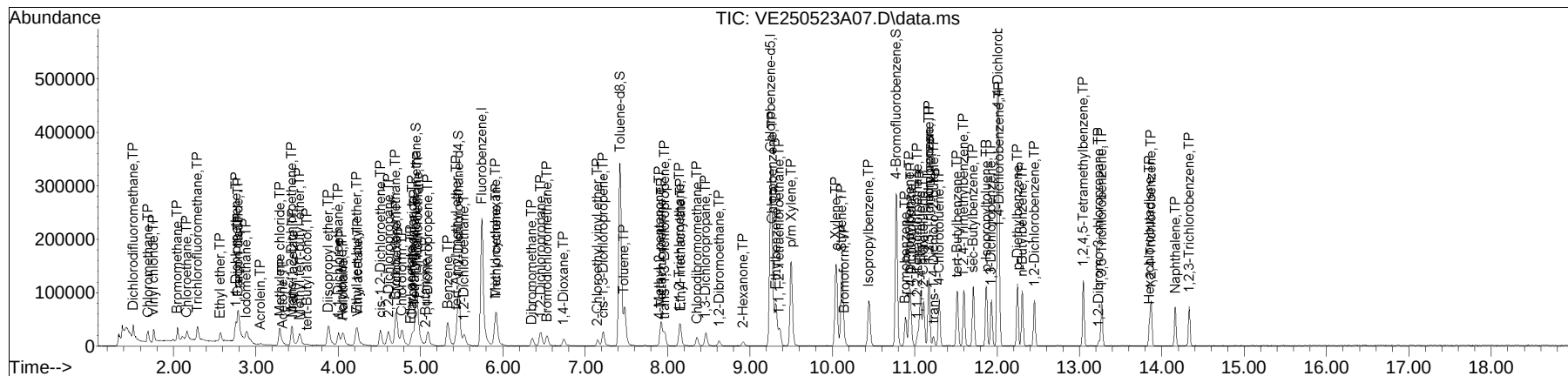
(#) = qualifier out of range (m) = manual integration (+) = signals summed

(QT Reviewed)

Data Path : K:\Elaine\2025\250523AICAL\
Data File : VE250523A07.D
Acq On : 23 May 2025 3:23 am
Operator : ELAINE:JIC
Sample : I8260STD2PPB
Misc : WG2070650,ICAL (Sig #1); WG,ICAL22151 (Sig #2)
ALS Vial : 7 Sample Multiplier: 1

Quant Time: May 23 19:58:15 2025
Quant Method : K:\Elaine\2025\250523AICAL\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 19:38:23 2025
Response via : Initial Calibration

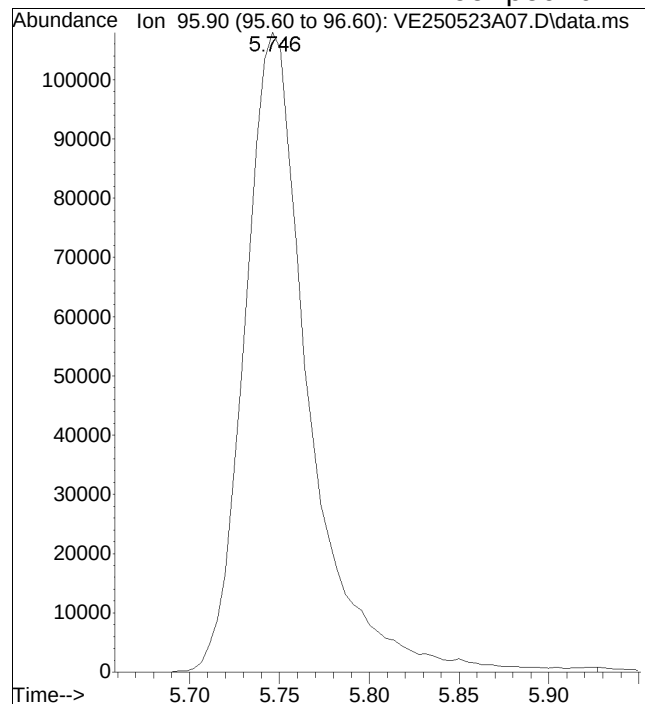
60ALL\$TE(s) : 8260KCN\aineM292m125p523A09.D•



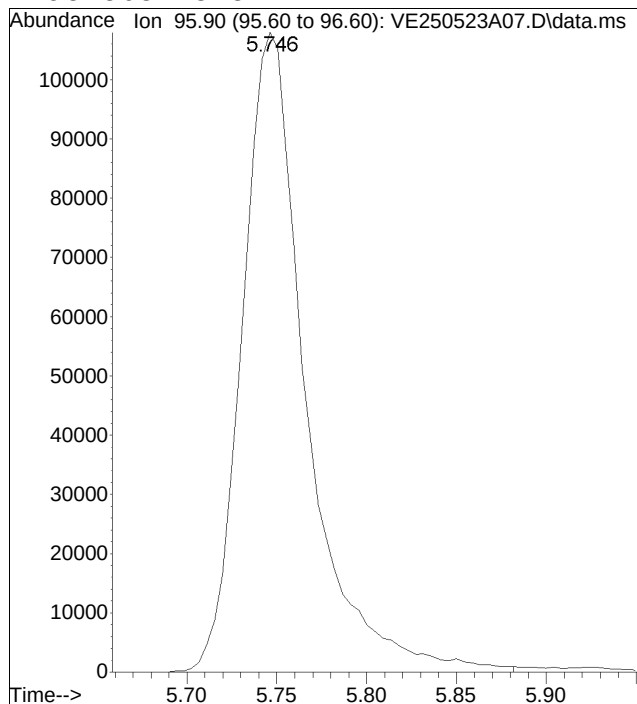
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQMethod : Elaine_250523A_8260.m
Data File : VE250523A07.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 3:23 am Instrument : Elaine
Sample : I8260STD2PPB Quant Date : 5/23/2025 7:39 pm

Compound #1: Fluorobenzene



Original Peak Response = 271424
M6 = Misassignment of peak valley

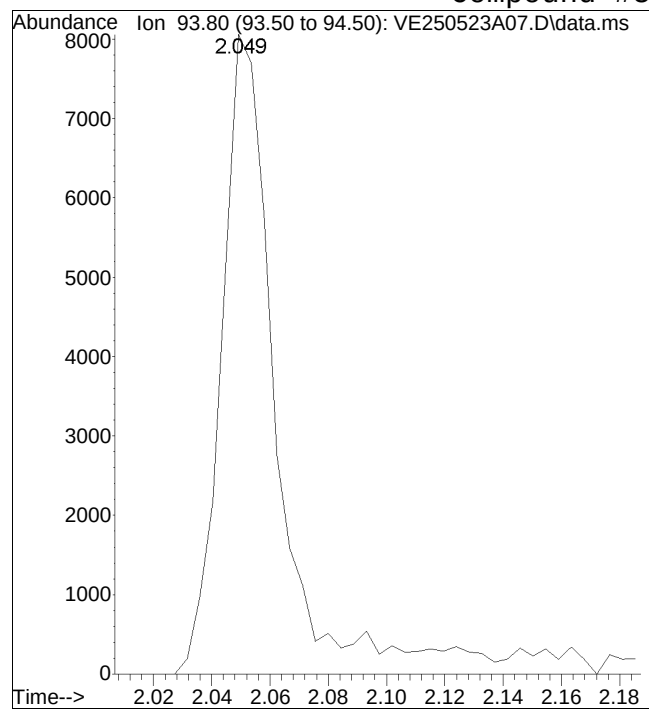


Manual Peak Response = 268784 M6

Manual Integration Report

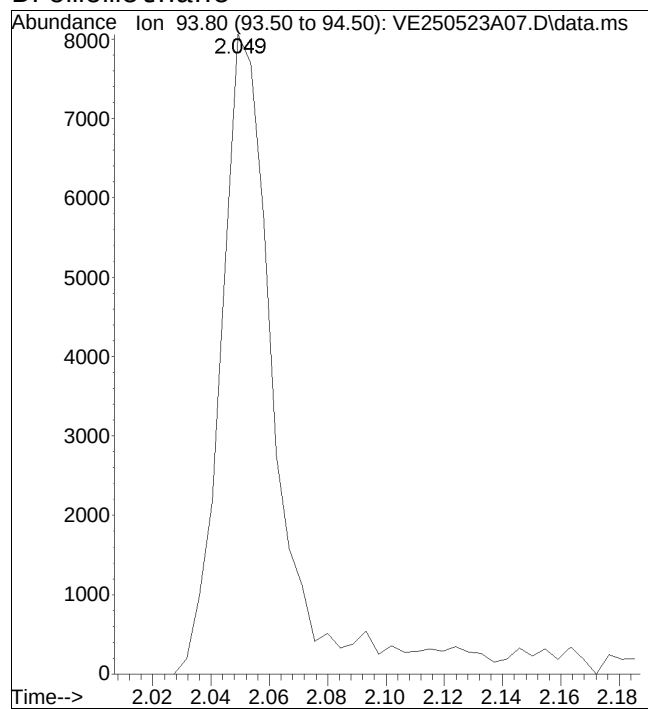
Data Path : K:\Elaine\2025\250523AICALQMethod : Elaine_250523A_8260.m
Data File : VE250523A07.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 3:23 am Instrument : Elaine
Sample : I8260STD2PPB Quant Date : 5/23/2025 7:39 pm

Compound #5: Bromomethane



Original Peak Response = 11135

M1 = Peak Integration was less than it should be

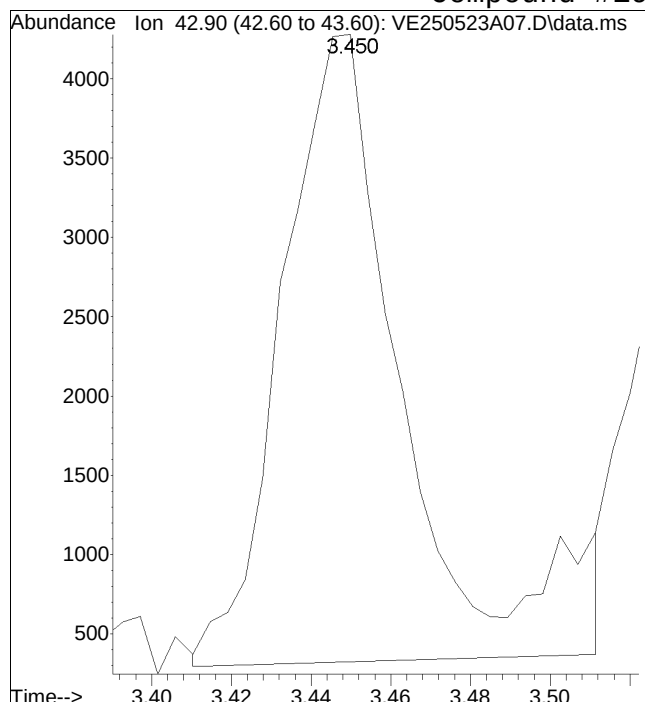


Manual Peak Response = 11135 M1

Manual Integration Report

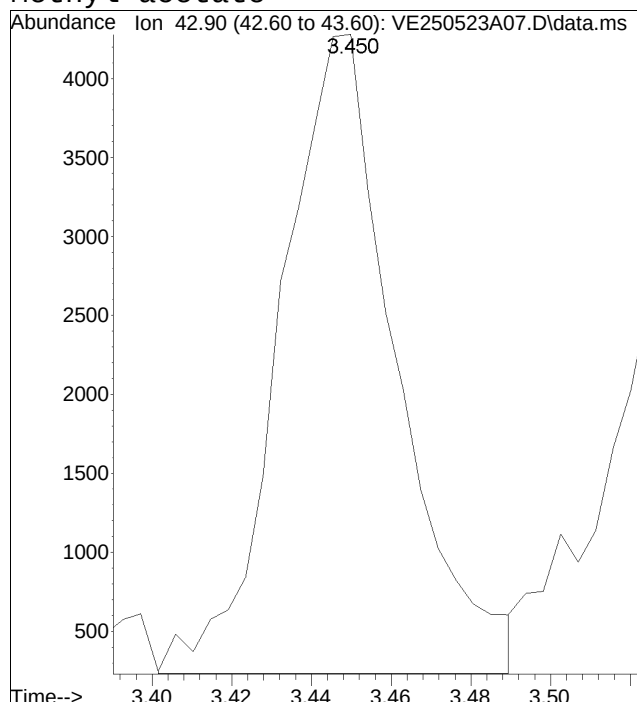
Data Path : K:\Elaine\2025\250523AICAL : Elaine_250523A_8260.m
Data File : VE250523A07.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 3:23 am Instrument : Elaine
Sample : I8260STD2PPB Quant Date : 5/23/2025 7:39 pm

Compound #19: Methyl acetate



Original Peak Response = 8352

M6 = Misassignment of peak valley

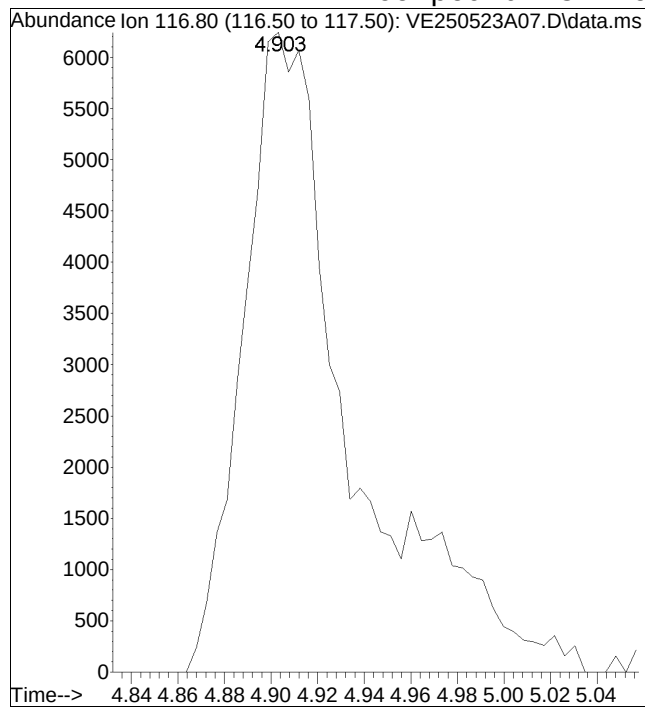


Manual Peak Response = 8132 M6

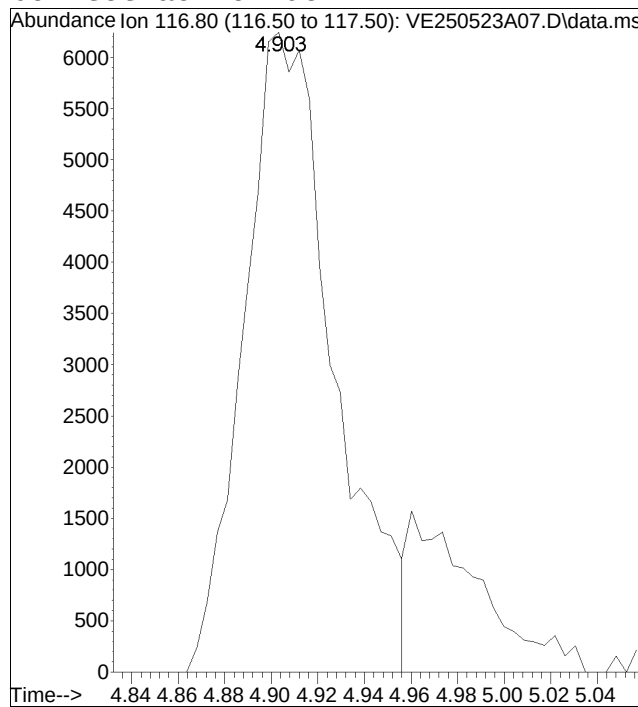
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQ Method : Elaine_250523A_8260.m
Data File : VE250523A07.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 3:23 am Instrument : Elaine
Sample : I8260STD2PPB Quant Date : 5/23/2025 7:39 pm

Compound #37: Carbon tetrachloride



Original Peak Response = 20122
M6 = Misassignment of peak valley

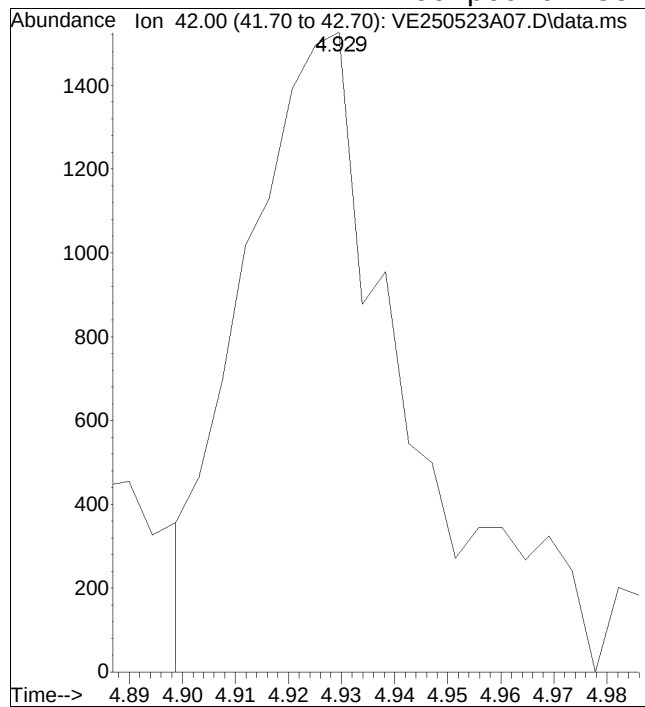


Manual Peak Response = 16829 M6

Manual Integration Report

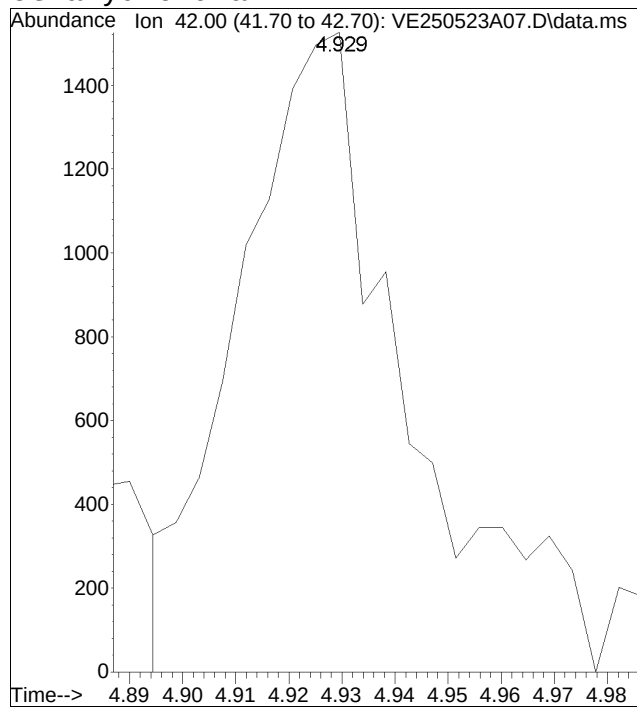
Data Path : K:\Elaine\2025\250523AICALQMethod : Elaine_250523A_8260.m
Data File : VE250523A07.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 3:23 am Instrument : Elaine
Sample : I8260STD2PPB Quant Date : 5/23/2025 7:39 pm

Compound #38: Tetrahydrofuran



Original Peak Response = 3265

M1 = Peak Integration was less than it should be

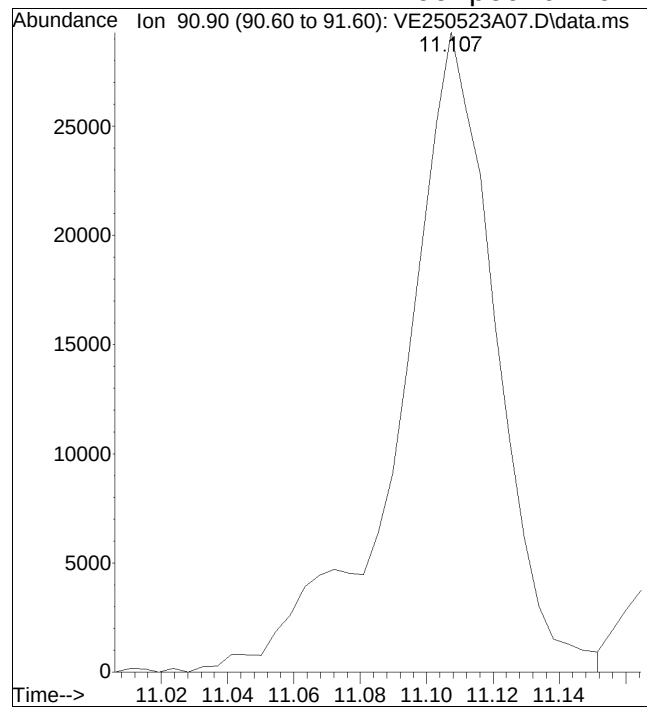


Manual Peak Response = 3359 M1

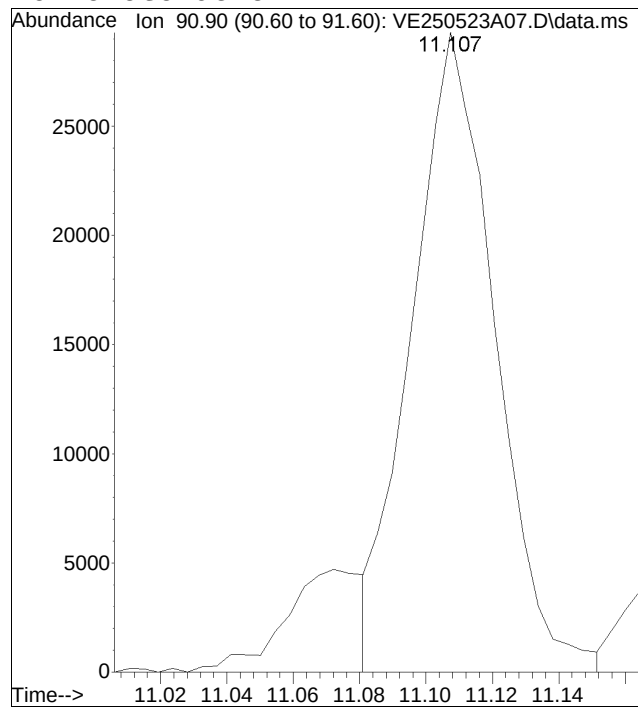
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQ Method : Elaine_250523A_8260.m
Data File : VE250523A07.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 3:23 am Instrument : Elaine
Sample : I8260STD2PPB Quant Date : 5/23/2025 7:39 pm

Compound #94: 2-Chlorotoluene



Original Peak Response = 58697
M6 = Misassignment of peak valley



Manual Peak Response = 50875 M6

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250523AICAL\
 Data File : VE250523A09.D
 Acq On : 23 May 2025 4:12 am
 Operator : ELAINE:JIC
 Sample : I8260STD10PPB
 Misc : WG2070650, ICAL (Sig #1); WG, ICAL22151 (Sig #2)
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 23 19:58:34 2025
 Quant Method : K:\Elaine\2025\250523AICAL\Elaine_250523A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Mar 31 07:17:59 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250523AICAL\VE250523A09.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.746	96	275801M6	10.000	ug/L	-0.02
Standard Area 1 = 275801			Recovery =	100.00%		
63) Chlorobenzene-d5	9.253	117	232323	10.000	ug/L	-0.03
Standard Area 1 = 232323			Recovery =	100.00%		
84) 1,4-Dichlorobenzene-d4	12.010	152	130581	10.000	ug/L	-0.02
Standard Area 1 = 130581			Recovery =	100.00%		
System Monitoring Compounds						
39) Dibromofluoromethane	4.951	113	81175	10.558	ug/L	-0.02
Spiked Amount 10.000	Range 70 - 130		Recovery =	105.58%		
47) 1,2-Dichloroethane-d4	5.465	65	83312	8.985	ug/L	-0.03
Spiked Amount 10.000	Range 70 - 130		Recovery =	89.85%		
64) Toluene-d8	7.425	98	300585	9.950	ug/L	-0.02
Spiked Amount 10.000	Range 70 - 130		Recovery =	99.50%		
88) 4-Bromofluorobenzene	10.777	95	107925	9.834	ug/L	-0.02
Spiked Amount 10.000	Range 70 - 130		Recovery =	98.34%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.514	85	104202	13.473	ug/L	99
3) Chloromethane	1.689	50	109914	14.144	ug/L	99
4) Vinyl chloride	1.764	62	96968	14.050	ug/L	99
5) Bromomethane	2.054	94	45689M6	11.102	ug/L	
6) Chloroethane	2.168	64	62575	12.585	ug/L	95
7) Trichlorofluoromethane	2.295	101	122313	13.345	ug/L	99
8) Ethyl ether	2.576	74	36226M1	11.557	ug/L	
10) 1,1-Dichloroethene	2.760	96	71282	13.657	ug/L	92
11) Carbon disulfide	2.787	76	221119	13.570	ug/L	99
12) Freon-113	2.791	101	71108	13.214	ug/L	96
13) Iodomethane	2.892	142	106223	21.519	ug/L	98
14) Acrolein	3.059	56	10211	9.638	ug/L #	79
15) Methylene chloride	3.292	84	77765	12.054	ug/L	98
17) Acetone	3.327	43	14851	10.155	ug/L	97
18) trans-1,2-Dichloroethene	3.441	96	73078	12.355	ug/L	95
19) Methyl acetate	3.445	43	39861M6	11.362	ug/L	
21) Methyl tert-butyl ether	3.533	73	145735	10.436	ug/L #	93
22) tert-Butyl alcohol	3.625	59	15278	41.725	ug/L #	100
24) Diisopropyl ether	3.884	45	237745	12.506	ug/L	97
25) 1,1-Dichloroethane	4.007	63	145533	12.048	ug/L	98
26) Halothane	4.064	117	51581	11.790	ug/L	95

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250523AICAL\
 Data File : VE250523A09.D
 Acq On : 23 May 2025 4:12 am
 Operator : ELAINE:JIC
 Sample : I8260STD10PPB
 Misc : WG2070650,ICAL (Sig #1); WG,ICAL22151 (Sig #2)
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 23 19:58:34 2025
 Quant Method : K:\Elaine\2025\250523AICAL\Elaine_250523A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Mar 31 07:17:59 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250523AICAL\VE250523A09.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) Acrylonitrile	4.051	53	20527M6	11.897	ug/L	
28) Ethyl tert-butyl ether	4.223	59	179132	10.741	ug/L	94
29) Vinyl acetate	4.236	43	117115	9.987	ug/L	97
30) cis-1,2-Dichloroethene	4.517	96	82522	12.216	ug/L	93
31) 2,2-Dichloropropane	4.613	77	110942	12.074	ug/L	88
33) Bromochloromethane	4.706	128	39206	12.527	ug/L	88
34) Cyclohexane	4.710	56	147880	12.618	ug/L	99
35) Chloroform	4.780	83	128088	11.197	ug/L	98
36) Ethyl acetate	4.881	43	45662	10.683	ug/L	98
37) Carbon tetrachloride	4.912	117	91685M6	11.341	ug/L	
38) Tetrahydrofuran	4.925	42	17230M6	11.988	ug/L	
40) 1,1,1-Trichloroethane	4.969	97	105597	11.653	ug/L	98
42) 2-Butanone	5.057	43	21192	11.015	ug/L	95
43) 1,1-Dichloropropene	5.088	75	76689	10.687	ug/L	98
45) Benzene	5.333	78	259336	11.021	ug/L	99
46) tert-Amyl methyl ether	5.443	73	156167	11.823	ug/L #	85
48) 1,2-Dichloroethane	5.535	62	82832	10.235	ug/L	100
51) Methyl cyclohexane	5.909	83	119274	12.482	ug/L	95
52) Trichloroethene	5.922	95	61816	10.611	ug/L	96
54) Dibromomethane	6.361	93	37179	10.712	ug/L	98
55) 1,2-Dichloropropane	6.461	63	67867	10.512	ug/L	99
57) 2-Chloroethyl vinyl ether	7.153	63	31239	11.203	ug/L	92
58) Bromodichloromethane	6.538	83	86835	10.509	ug/L	98
61) 1,4-Dioxane	6.737	88	18131	462.174	ug/L	94
62) cis-1,3-Dichloropropene	7.217	75	95589	10.587	ug/L #	88
65) Toluene	7.479	92	178619	11.230	ug/L	99
66) 4-Methyl-2-pentanone	7.913	58	17792	12.047	ug/L	89
67) Tetrachloroethene	7.922	166	73866	11.179	ug/L	99
69) trans-1,3-Dichloropropene	7.959	75	81506	8.978	ug/L	91
71) Ethyl methacrylate	8.153	69	72900	12.835	ug/L	83
72) 1,1,2-Trichloroethane	8.144	83	38543	9.375	ug/L	95
73) Chlorodibromomethane	8.357	129	59279	10.007	ug/L	99
74) 1,3-Dichloropropane	8.466	76	83140	9.247	ug/L	98
75) 1,2-Dibromoethane	8.628	107	46779	9.797	ug/L	97
77) 2-Hexanone	8.914	43	38576	15.263	ug/L	93
78) Chlorobenzene	9.276	112	202765	11.067	ug/L	98
79) Ethylbenzene	9.316	91	354952	11.363	ug/L	98
80) 1,1,1,2-Tetrachloroethane	9.361	131	63668	10.661	ug/L	97
81) p/m Xylene	9.502	106	290683	23.676	ug/L	95
82) o Xylene	10.045	106	291214	24.077	ug/L	92

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250523AICAL\
 Data File : VE250523A09.D
 Acq On : 23 May 2025 4:12 am
 Operator : ELAINE:JIC
 Sample : I8260STD10PPB
 Misc : WG2070650, ICAL (Sig #1); WG, ICAL22151 (Sig #2)
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 23 19:58:34 2025
 Quant Method : K:\Elaine\2025\250523AICAL\Elaine_250523A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Mar 31 07:17:59 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250523AICAL\VE250523A09.D
 Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
83)	Styrene	10.117	104	483821	24.220	ug/L	98
85)	Bromoform	10.140	173	35862	10.195	ug/L	96
87)	Isopropylbenzene	10.446	105	371732	12.003	ug/L	97
89)	Bromobenzene	10.891	156	83656	10.831	ug/L	99
90)	n-Propylbenzene	10.940	91	444509	11.953	ug/L	98
91)	1,4-Dichlorobutane	10.953	55	101947	11.218	ug/L	99
92)	1,1,2,2-Tetrachloroethane	11.037	83	57881	10.525	ug/L	99
93)	4-Ethyltoluene	11.072	105	376737	12.477	ug/L	99
94)	2-Chlorotoluene	11.107	91	252624M6	10.854	ug/L	
95)	1,3,5-Trimethylbenzene	11.173	105	320239	11.878	ug/L	99
96)	1,2,3-Trichloropropane	11.173	75	49477	10.509	ug/L	96
97)	trans-1,4-Dichloro-2-b...	11.231	53	20747	12.006	ug/L	85
98)	4-Chlorotoluene	11.297	91	269483	11.207	ug/L	96
99)	tert-Butylbenzene	11.517	119	282369	12.342	ug/L	95
102)	1,2,4-Trimethylbenzene	11.596	105	315881	11.828	ug/L	97
103)	sec-Butylbenzene	11.711	105	411990	12.215	ug/L	100
104)	p-Isopropyltoluene	11.870	119	365190	11.776	ug/L	98
105)	1,3-Dichlorobenzene	11.931	146	184177	11.388	ug/L	98
106)	1,4-Dichlorobenzene	12.024	146	177684	11.064	ug/L	99
107)	p-Diethylbenzene	12.248	119	219695	12.201	ug/L	96
108)	n-Butylbenzene	12.306	91	301187	11.936	ug/L	99
109)	1,2-Dichlorobenzene	12.451	146	173557	11.302	ug/L	99
110)	1,2,4,5-Tetramethylben...	13.046	119	323021	11.563	ug/L	99
111)	1,2-Dibromo-3-chloropr...	13.240	155	10885	11.123	ug/L	99
112)	1,3,5-Trichlorobenzene	13.270	180	121939	11.077	ug/L	98
113)	Hexachlorobutadiene	13.852	225	36726	11.202	ug/L	99
114)	1,2,4-Trichlorobenzene	13.870	180	110653	12.267	ug/L	99
115)	Naphthalene	14.160	128	257907	12.034	ug/L	100
116)	1,2,3-Trichlorobenzene	14.332	180	98538	11.999	ug/L	99

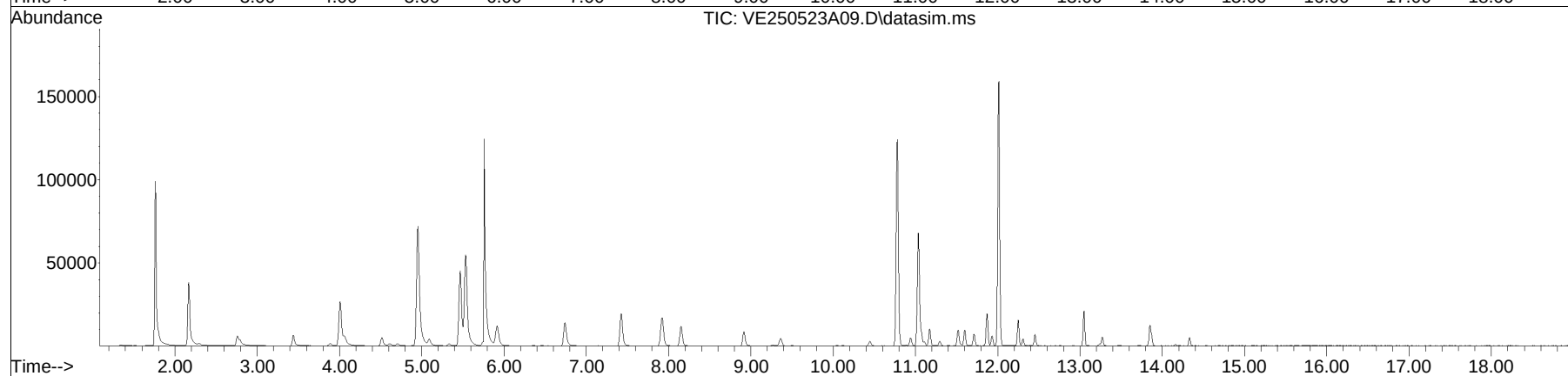
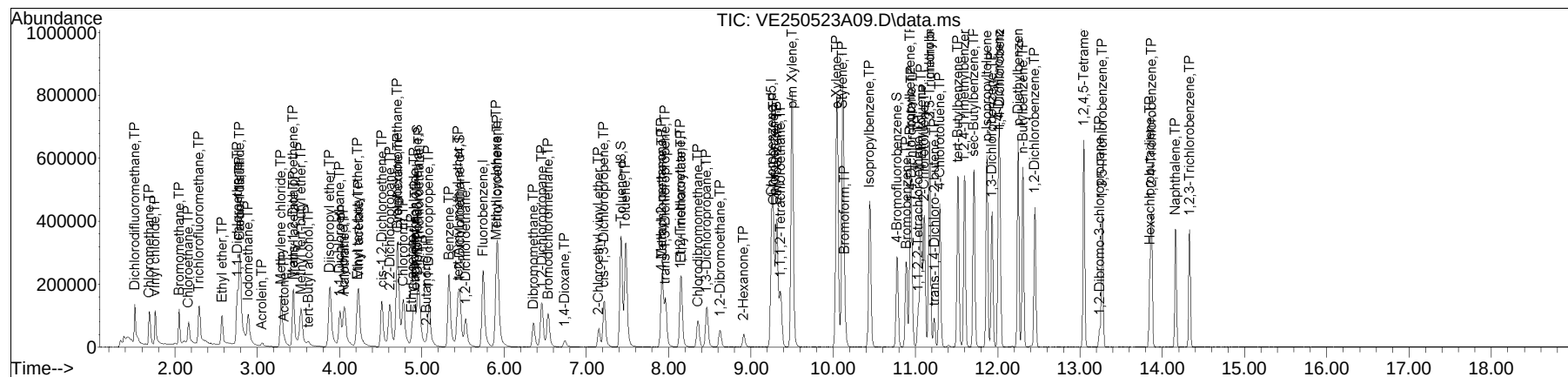
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250523AICAL\
 Data File : VE250523A09.D
 Acq On : 23 May 2025 4:12 am
 Operator : ELAINE:JIC
 Sample : I8260STD10PPB
 Misc : WG2070650,ICAL (Sig #1); WG,ICAL22151 (Sig #2)
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: May 23 19:58:34 2025
 Quant Method : K:\Elaine\2025\250523AICAL\Elaine_250523A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Mon Mar 31 07:17:59 2025
 Response via : Initial Calibration

SOALLISTE(s) : 8260KCN\Elaine\2025\250523AICAL\VE250523A09.D•



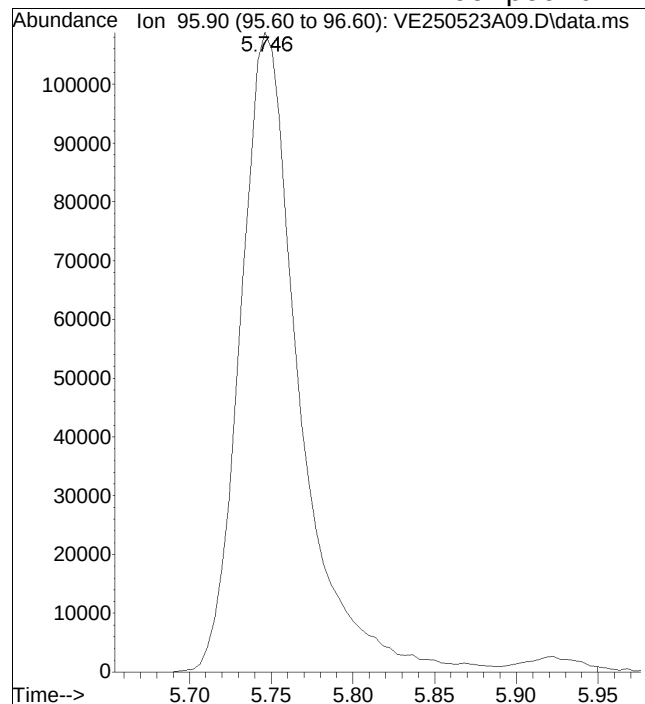
Elaine_250523A_8260.m Sat May 24 10:40:56 2025

Page: 4

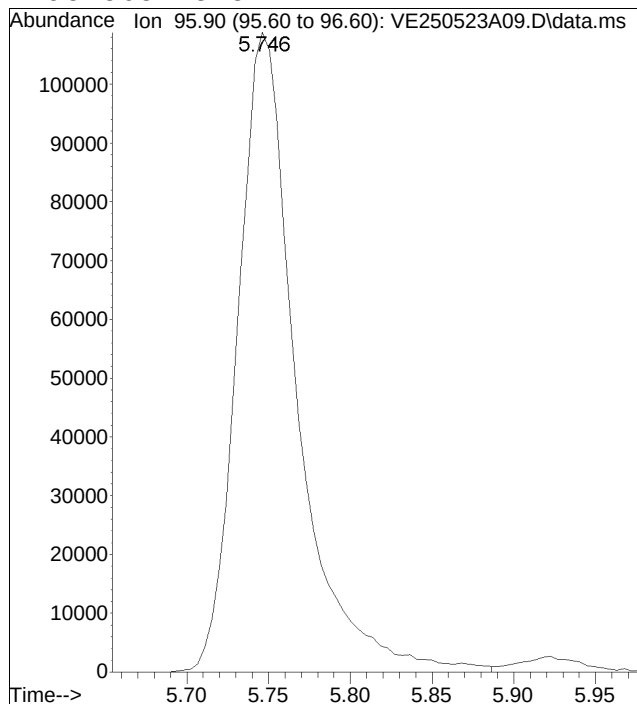
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQMethod : Elaine_250523A_8260.m
Data File : VE250523A09.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 4:12 am Instrument : Elaine
Sample : I8260STD10PPB Quant Date : 5/23/2025 12:40 pm

Compound #1: Fluorobenzene



Original Peak Response = 283139
M6 = Misassignment of peak valley

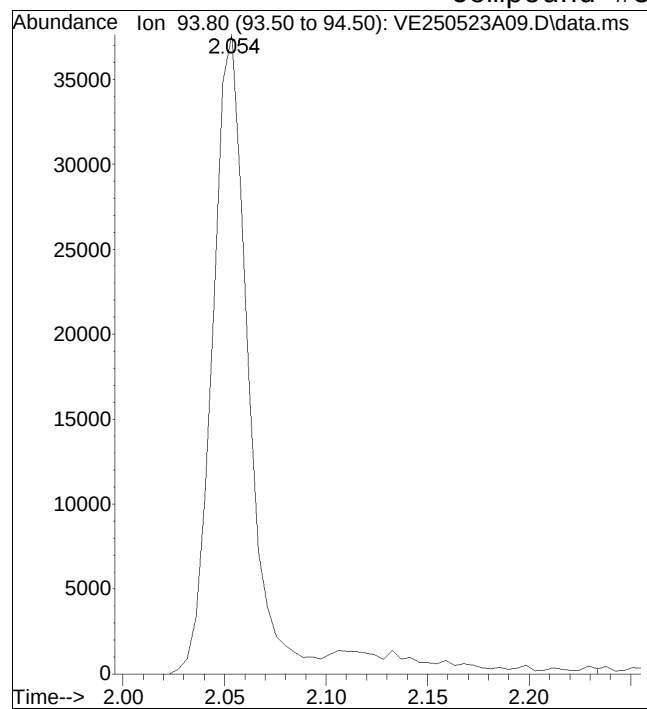


Manual Peak Response = 275801 M6

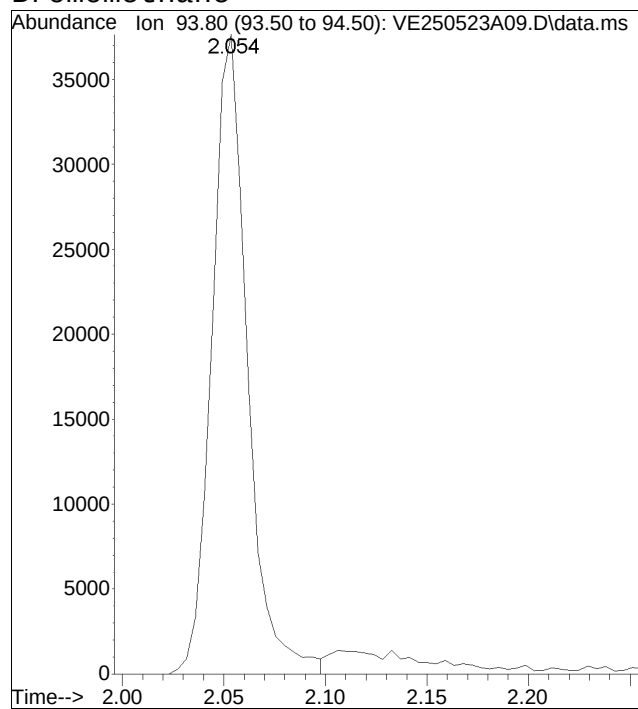
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQ Method : Elaine_250523A_8260.m
Data File : VE250523A09.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 4:12 am Instrument : Elaine
Sample : I8260STD10PPB Quant Date : 5/23/2025 12:40 pm

Compound #5: Bromomethane



Original Peak Response = 51145
M6 = Misassignment of peak valley

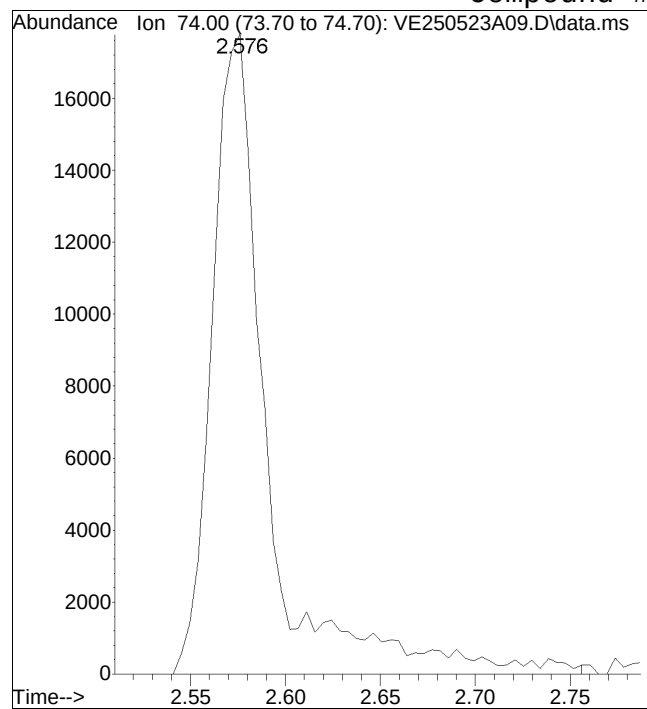


Manual Peak Response = 45689 M6

Manual Integration Report

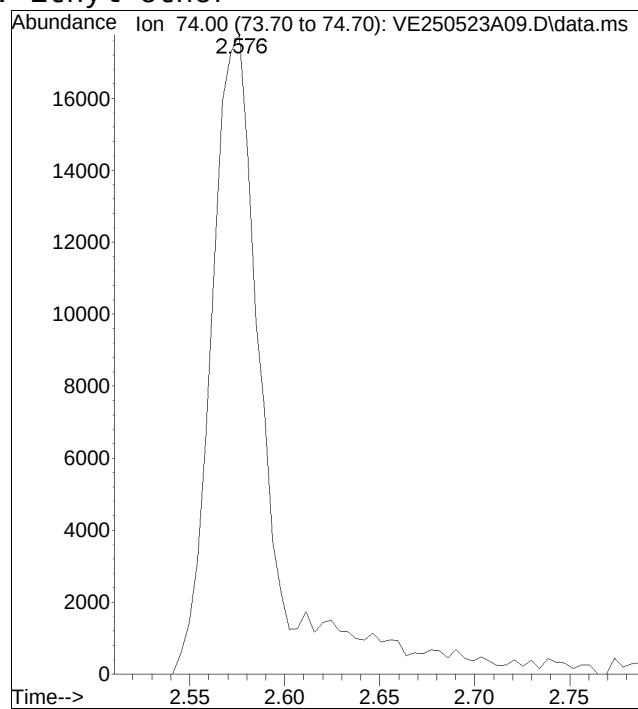
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Data File : VE250523A09.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 4:12 am Instrument : Elaine
Sample : I8260STD10PPB Quant Date : 5/23/2025 12:40 pm

Compound #8: Ethyl ether



Original Peak Response = 36159

M1 = Peak Integration was less than it should be

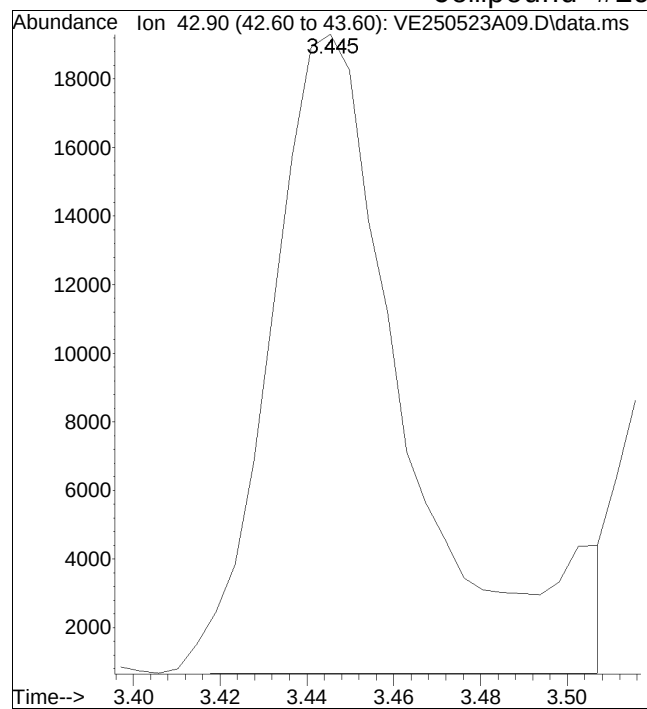


Manual Peak Response = 36226 M1

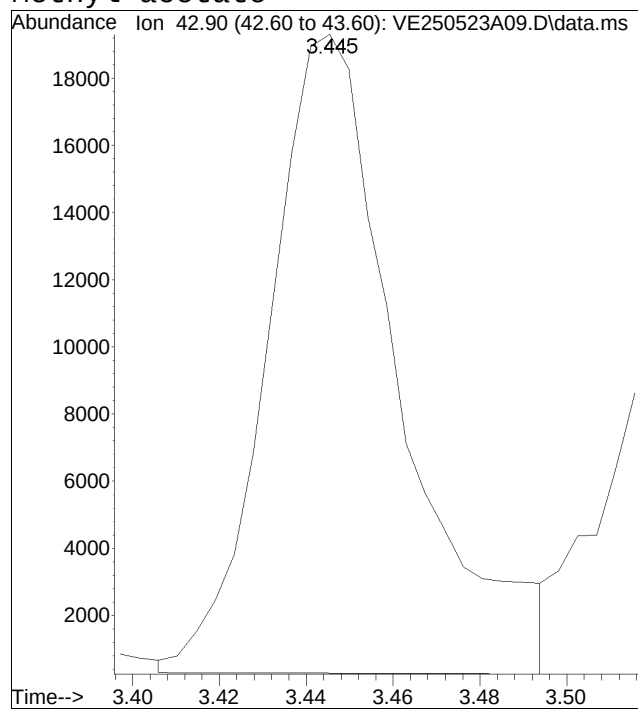
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQMethod : Elaine_250523A_8260.m
Data File : VE250523A09.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 4:12 am Instrument : Elaine
Sample : I8260STD10PPB Quant Date : 5/23/2025 12:40 pm

Compound #19: Methyl acetate



Original Peak Response = 40539
M6 = Misassignment of peak valley

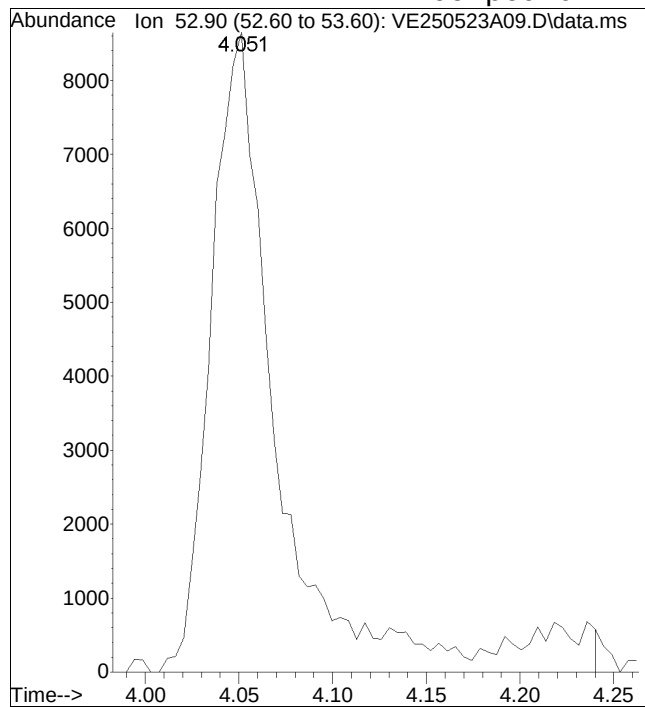


Manual Peak Response = 39861 M6

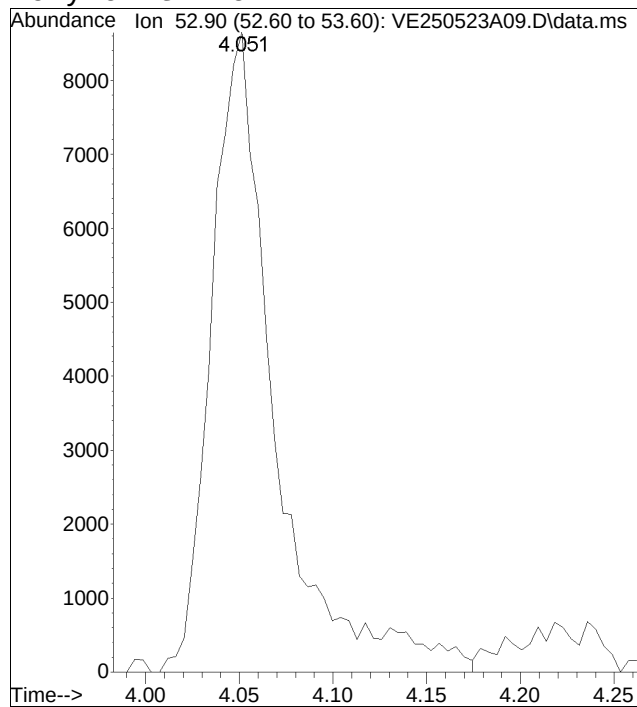
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQ Method : Elaine_250523A_8260.m
Data File : VE250523A09.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 4:12 am Instrument : Elaine
Sample : I8260STD10PPB Quant Date : 5/23/2025 12:40 pm

Compound #27: Acrylonitrile



Original Peak Response = 22305
M6 = Misassignment of peak valley

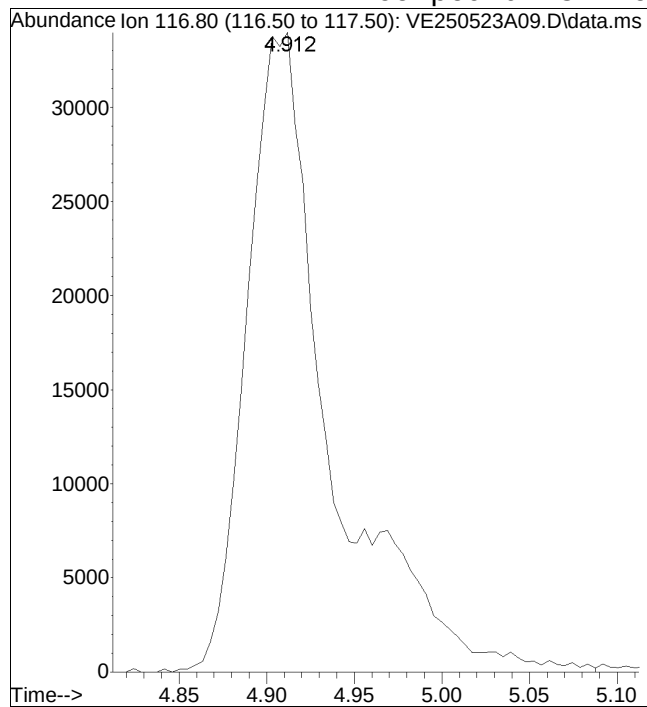


Manual Peak Response = 20527 M6

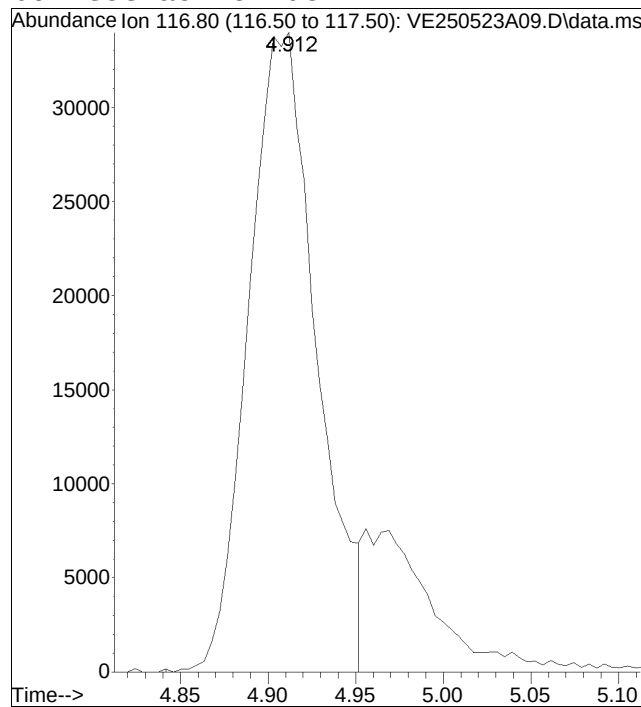
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQ Method : Elaine_250523A_8260.m
Data File : VE250523A09.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 4:12 am Instrument : Elaine
Sample : I8260STD10PPB Quant Date : 5/23/2025 12:40 pm

Compound #37: Carbon tetrachloride



Original Peak Response = 112597
M6 = Misassignment of peak valley

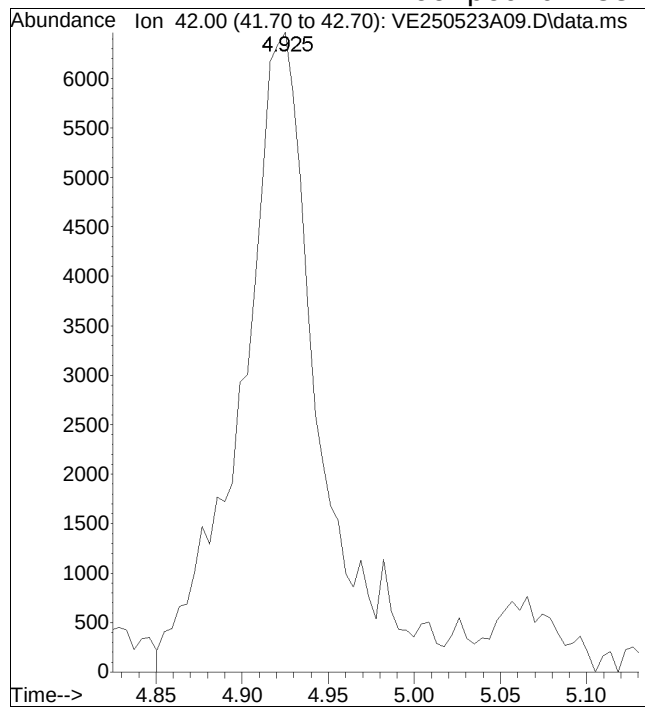


Manual Peak Response = 91685 M6

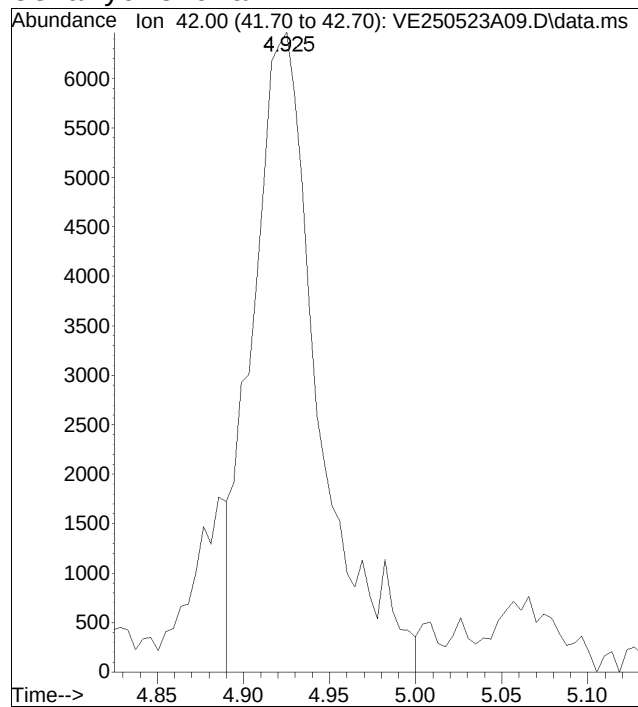
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQ Method : Elaine_250523A_8260.m
Data File : VE250523A09.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 4:12 am Instrument : Elaine
Sample : I8260STD10PPB Quant Date : 5/23/2025 12:40 pm

Compound #38: Tetrahydrofuran



Original Peak Response = 22404
M6 = Misassignment of peak valley

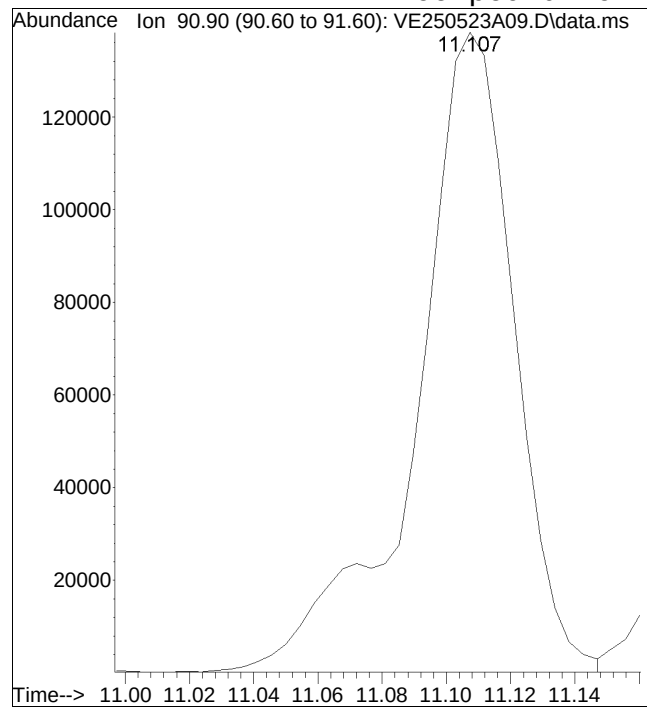


Manual Peak Response = 17230 M6

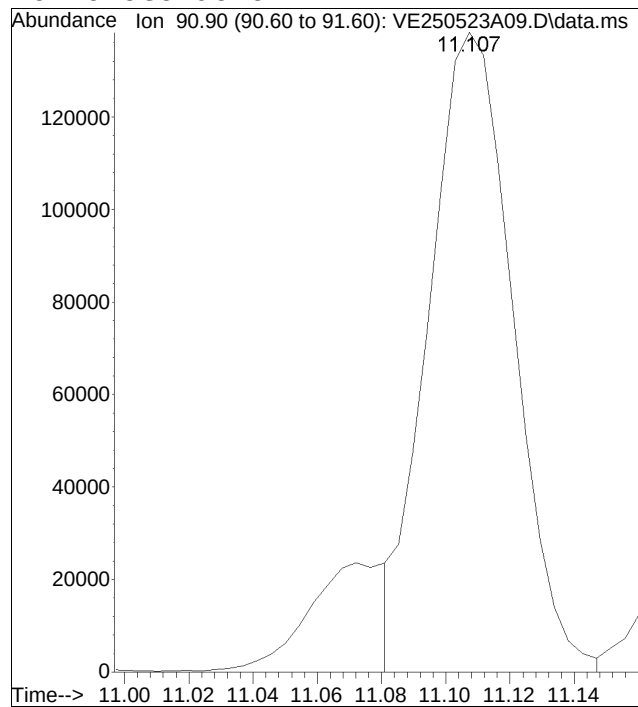
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQ Method : Elaine_250523A_8260.m
Data File : VE250523A09.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 4:12 am Instrument : Elaine
Sample : I8260STD10PPB Quant Date : 5/23/2025 12:40 pm

Compound #94: 2-Chlorotoluene



Original Peak Response = 291410
M6 = Misassignment of peak valley



Manual Peak Response = 252624 M6

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250523AICAL\
 Data File : VE250523A10.D
 Acq On : 23 May 2025 4:36 am
 Operator : ELAINE:JIC
 Sample : I8260STD30PPB
 Misc : WG2070650, ICAL (Sig #1); WG, ICAL22151 (Sig #2)
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 23 20:06:49 2025
 Quant Method : K:\Elaine\2025\250523AICAL\Elaine_250523A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri May 23 19:38:23 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250523AICAL\VE250523A09.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.746	96	318853	10.000	ug/L	0.00
Standard Area 1 = 275801			Recovery	=	115.61%	
63) Chlorobenzene-d5	9.248	117	258233	10.000	ug/L	0.00
Standard Area 1 = 232323			Recovery	=	111.15%	
84) 1,4-Dichlorobenzene-d4	12.010	152	143702	10.000	ug/L	0.00
Standard Area 1 = 130581			Recovery	=	110.05%	
System Monitoring Compounds						
39) Dibromofluoromethane	4.947	113	89057	9.490	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	94.90%	
47) 1,2-Dichloroethane-d4	5.465	65	83314M6	8.650	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	86.50%	
64) Toluene-d8	7.420	98	320233	9.585	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	95.85%	
88) 4-Bromofluorobenzene	10.777	95	118323	9.962	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	99.62%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.514	85	315835	26.217	ug/L	100
3) Chloromethane	1.694	50	318426	25.059	ug/L	99
4) Vinyl chloride	1.764	62	286198	25.530	ug/L	98
5) Bromomethane	2.054	94	151316M1	28.647	ug/L	
6) Chloroethane	2.168	64	183828	25.411	ug/L	96
7) Trichlorofluoromethane	2.295	101	361890	25.592	ug/L	98
8) Ethyl ether	2.572	74	123715	31.520	ug/L	92
10) 1,1-Dichloroethene	2.760	96	211894	25.712	ug/L	93
11) Carbon disulfide	2.787	76	664962	26.012	ug/L	99
12) Freon-113	2.791	101	221282	26.917	ug/L	96
13) Iodomethane	2.892	142	317612	25.863	ug/L	97
14) Acrolein	3.063	56	31209	26.437	ug/L	89
15) Methylene chloride	3.292	84	230749	25.666	ug/L	98
17) Acetone	3.327	43	50676	29.516	ug/L	98
18) trans-1,2-Dichloroethene	3.437	96	221875	26.262	ug/L	96
19) Methyl acetate	3.445	43	118594M6	25.735	ug/L	
21) Methyl tert-butyl ether	3.533	73	518781	30.791	ug/L #	90
22) tert-Butyl alcohol	3.625	59	51122	144.716	ug/L #	100
24) Diisopropyl ether	3.884	45	782964	28.486	ug/L	96
25) 1,1-Dichloroethane	4.007	63	423803	25.189	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250523AICAL\
 Data File : VE250523A10.D
 Acq On : 23 May 2025 4:36 am
 Operator : ELAINE:JIC
 Sample : I8260STD30PPB
 Misc : WG2070650, ICAL (Sig #1); WG, ICAL22151 (Sig #2)
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 23 20:06:49 2025
 Quant Method : K:\Elaine\2025\250523AICAL\Elaine_250523A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri May 23 19:38:23 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250523AICAL\VE250523A09.D
 Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26)	Halothane	4.064	117	167558	28.098	ug/L	100
27)	Acrylonitrile	4.043	53	67017	28.240	ug/L	97
28)	Ethyl tert-butyl ether	4.223	59	613148	29.607	ug/L	94
29)	Vinyl acetate	4.236	43	397665	29.370	ug/L	99
30)	cis-1,2-Dichloroethene	4.517	96	251228	26.333	ug/L	94
31)	2,2-Dichloropropane	4.613	77	346514	27.017	ug/L	92
33)	Bromochloromethane	4.706	128	119291	26.318	ug/L	87
34)	Cyclohexane	4.710	56	475044	27.786	ug/L	98
35)	Chloroform	4.776	83	392958	26.536	ug/L	97
36)	Ethyl acetate	4.881	43	164954	31.247	ug/L	99
37)	Carbon tetrachloride	4.903	117	295605M6	27.888	ug/L	
38)	Tetrahydrofuran	4.916	42	54351M6	27.285	ug/L	
40)	1,1,1-Trichloroethane	4.969	97	334960	27.438	ug/L	97
42)	2-Butanone	5.057	43	70324	28.704	ug/L	100
43)	1,1-Dichloropropene	5.092	75	273602	30.860	ug/L	97
45)	Benzene	5.329	78	879249	29.326	ug/L	97
46)	tert-Amyl methyl ether	5.443	73	508710	28.176	ug/L	85
48)	1,2-Dichloroethane	5.535	62	264131	27.582	ug/L	99
51)	Methyl cyclohexane	5.913	83	391507	28.392	ug/L	94
52)	Trichloroethene	5.922	95	222455	31.128	ug/L	94
54)	Dibromomethane	6.357	93	124339	28.928	ug/L	99
55)	1,2-Dichloropropane	6.461	63	236935	30.198	ug/L	98
57)	2-Chloroethyl vinyl ether	7.149	63	108486	30.039	ug/L	91
58)	Bromodichloromethane	6.538	83	294288	29.315	ug/L	99
61)	1,4-Dioxane	6.741	88	23492	560.368	ug/L	94
62)	cis-1,3-Dichloropropene	7.217	75	355139	32.136	ug/L	93
65)	Toluene	7.479	92	556095	28.009	ug/L	99
66)	4-Methyl-2-pentanone	7.913	58	57663	29.158	ug/L	95
67)	Tetrachloroethene	7.927	166	234408	28.550	ug/L	99
69)	trans-1,3-Dichloropropene	7.963	75	288131	31.804	ug/L	93
71)	Ethyl methacrylate	8.153	69	231333	28.549	ug/L	87
72)	1,1,2-Trichloroethane	8.144	83	133035	31.053	ug/L	95
73)	Chlorodibromomethane	8.357	129	211570	32.110	ug/L	100
74)	1,3-Dichloropropane	8.466	76	286033	30.952	ug/L	97
75)	1,2-Dibromoethane	8.628	107	162437	31.240	ug/L	98
77)	2-Hexanone	8.909	43	117013	27.290	ug/L	99
78)	Chlorobenzene	9.271	112	644508	28.597	ug/L	97
79)	Ethylbenzene	9.316	91	1119782	28.382	ug/L	97
80)	1,1,1,2-Tetrachloroethane	9.362	131	207618	29.338	ug/L	98
81)	p/m Xylene	9.502	106	917559	56.797	ug/L	95

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250523AICAL\
 Data File : VE250523A10.D
 Acq On : 23 May 2025 4:36 am
 Operator : ELAINE:JIC
 Sample : I8260STD30PPB
 Misc : WG2070650, ICAL (Sig #1); WG, ICAL22151 (Sig #2)
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 23 20:06:49 2025
 Quant Method : K:\Elaine\2025\250523AICAL\Elaine_250523A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri May 23 19:38:23 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250523AICAL\VE250523A09.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) o Xylene	10.049	106	917838	56.711	ug/L	92
83) Styrene	10.117	104	1556605	57.890	ug/L	98
85) Bromoform	10.140	173	129079	32.707	ug/L	97
87) Isopropylbenzene	10.447	105	1189673	29.081	ug/L	98
89) Bromobenzene	10.891	156	268252	29.138	ug/L	98
90) n-Propylbenzene	10.940	91	1411007	28.845	ug/L	98
91) 1,4-Dichlorobutane	10.958	55	328695	29.298	ug/L	100
92) 1,1,2,2-Tetrachloroethane	11.037	83	186752	29.319	ug/L	100
93) 4-Ethyltoluene	11.072	105	1174523	28.330	ug/L	98
94) 2-Chlorotoluene	11.107	91	816031M6	29.353	ug/L	
95) 1,3,5-Trimethylbenzene	11.169	105	1056500	29.979	ug/L	99
96) 1,2,3-Trichloropropane	11.169	75	159649	29.321	ug/L	94
97) trans-1,4-Dichloro-2-b...	11.226	53	65522	28.698	ug/L #	83
98) 4-Chlorotoluene	11.297	91	848220	28.602	ug/L	95
99) tert-Butylbenzene	11.517	119	907041	29.190	ug/L	94
102) 1,2,4-Trimethylbenzene	11.596	105	1045432	30.074	ug/L	96
103) sec-Butylbenzene	11.711	105	1317100	29.050	ug/L	100
104) p-Isopropyltoluene	11.870	119	1180086	29.364	ug/L	98
105) 1,3-Dichlorobenzene	11.931	146	587754	28.999	ug/L	98
106) 1,4-Dichlorobenzene	12.028	146	573786	29.344	ug/L	100
107) p-Diethylbenzene	12.248	119	714961	29.572	ug/L	97
108) n-Butylbenzene	12.306	91	992348	29.940	ug/L	98
109) 1,2-Dichlorobenzene	12.451	146	551838	28.893	ug/L	100
110) 1,2,4,5-Tetramethylben...	13.046	119	1081565	30.426	ug/L	98
111) 1,2-Dibromo-3-chloropr...	13.240	155	35945	30.007	ug/L	100
112) 1,3,5-Trichlorobenzene	13.271	180	400195	29.823	ug/L	99
113) Hexachlorobutadiene	13.848	225	116816	28.903	ug/L	97
114) 1,2,4-Trichlorobenzene	13.870	180	357572	29.364	ug/L	99
115) Naphthalene	14.160	128	827991	29.173	ug/L	100
116) 1,2,3-Trichlorobenzene	14.332	180	319072	29.424	ug/L	100

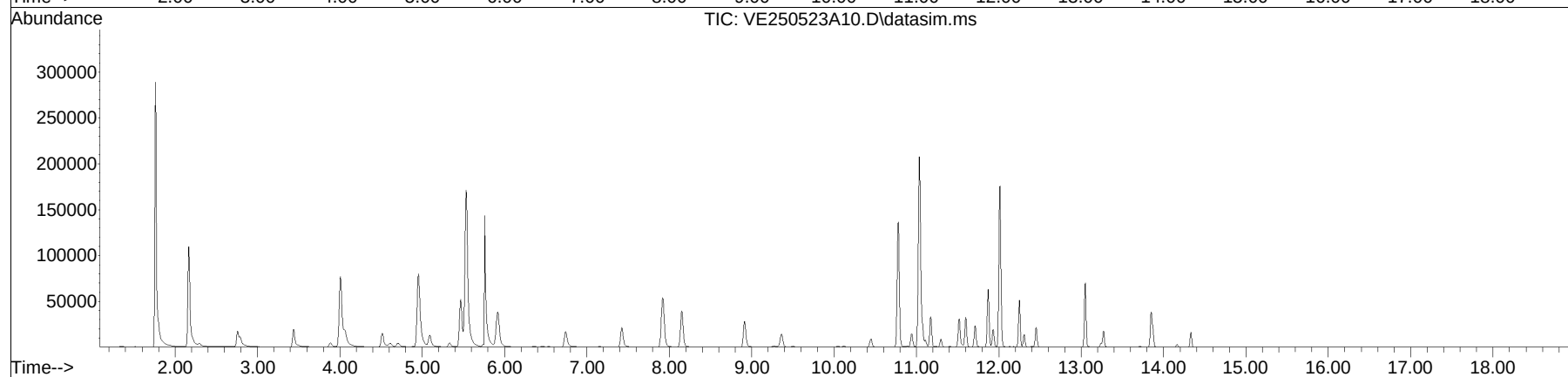
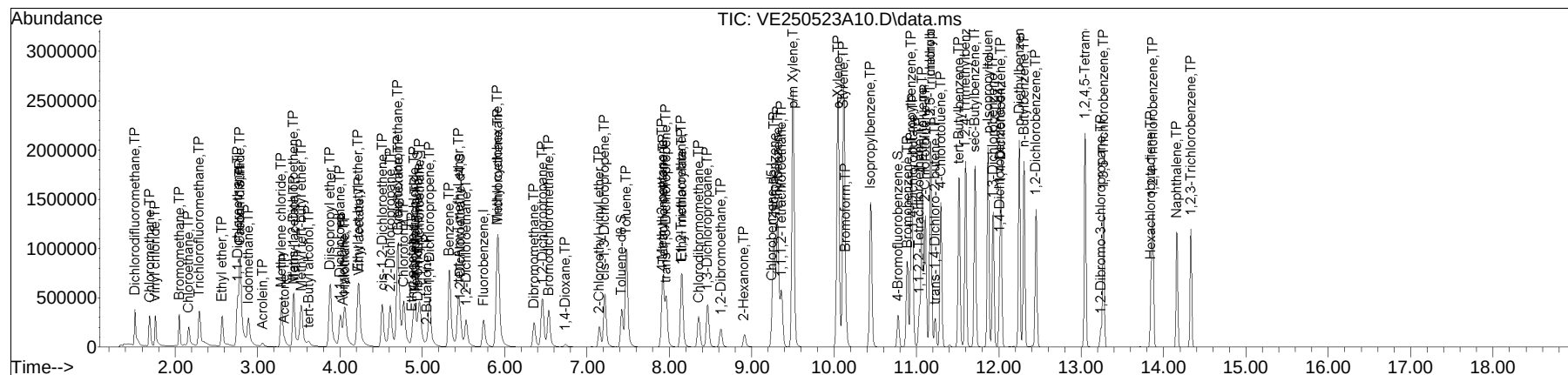
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250523AICAL\
 Data File : VE250523A10.D
 Acq On : 23 May 2025 4:36 am
 Operator : ELAINE:JIC
 Sample : I8260STD30PPB
 Misc : WG2070650,ICAL (Sig #1); WG,ICAL22151 (Sig #2)
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: May 23 20:06:49 2025
 Quant Method : K:\Elaine\2025\250523AICAL\Elaine_250523A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri May 23 19:38:23 2025
 Response via : Initial Calibration

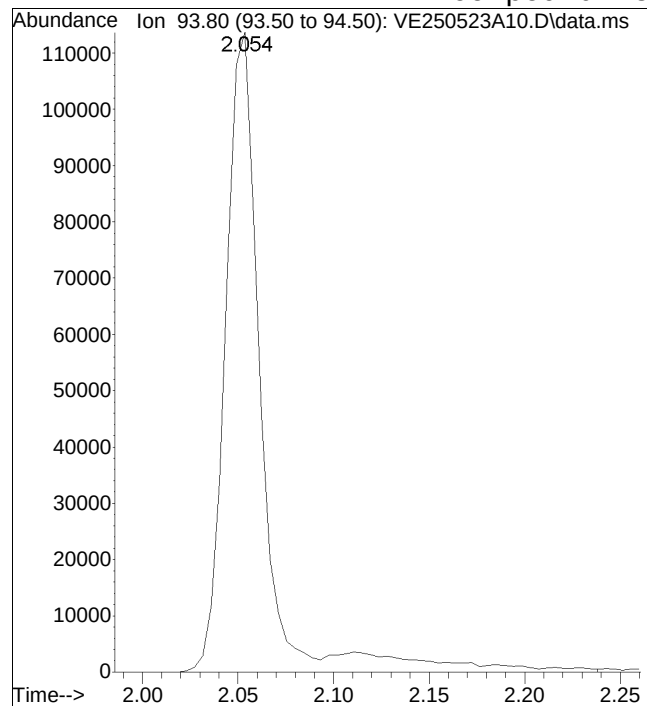
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Manual Integration Report

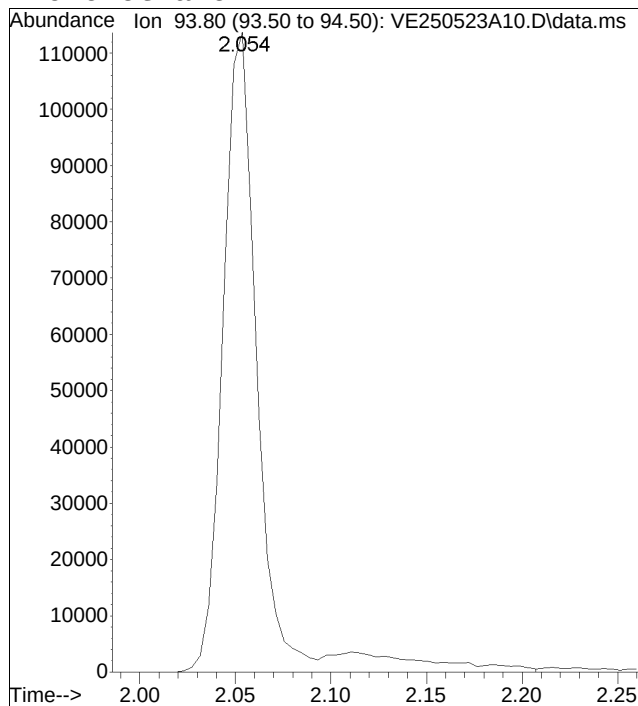
Data Path : K:\Elaine\2025\250523AICAL
Data File : VE250523A10.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 4:36 am Instrument : Elaine
Sample : I8260STD30PPB Quant Date : 5/23/2025 7:39 pm

Compound #5: Bromomethane



Original Peak Response = 152596

M1 = Peak Integration was less than it should be

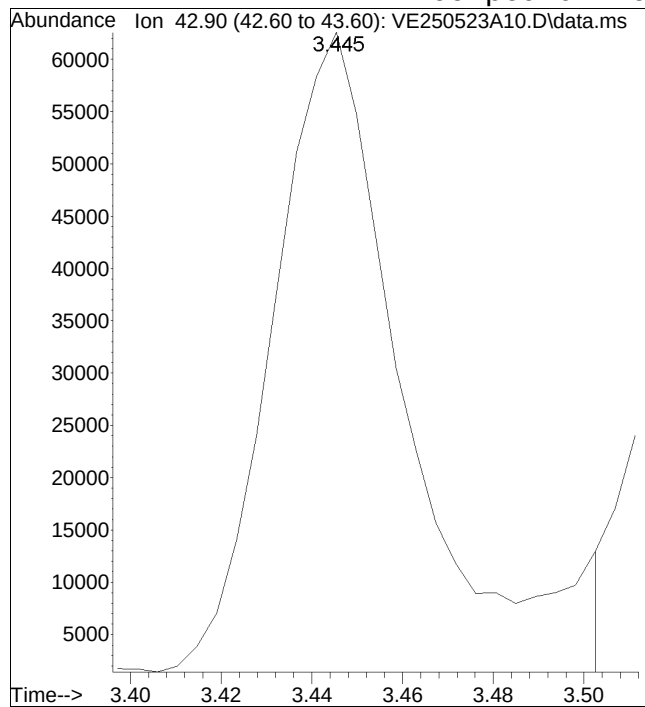


Manual Peak Response = 151316 M1

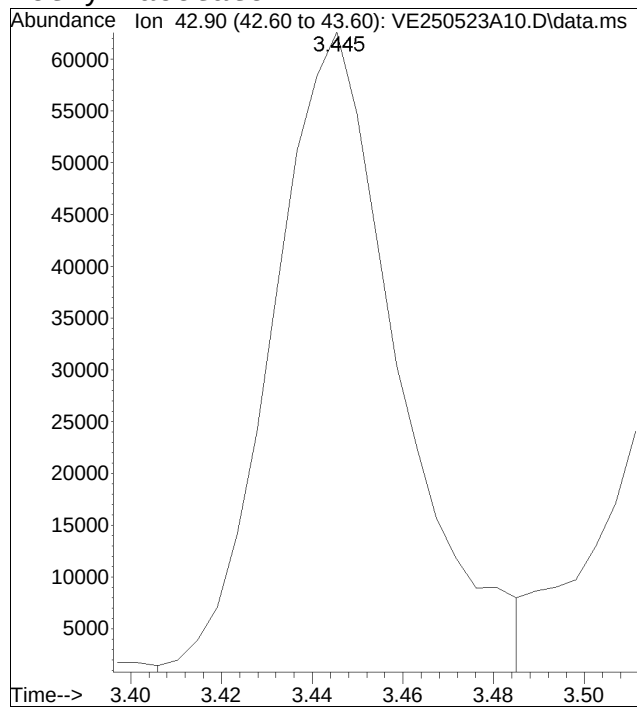
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQ Method : Elaine_250523A_8260.m
Data File : VE250523A10.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 4:36 am Instrument : Elaine
Sample : I8260STD30PPB Quant Date : 5/23/2025 7:39 pm

Compound #19: Methyl acetate



Original Peak Response = 124835
M6 = Misassignment of peak valley

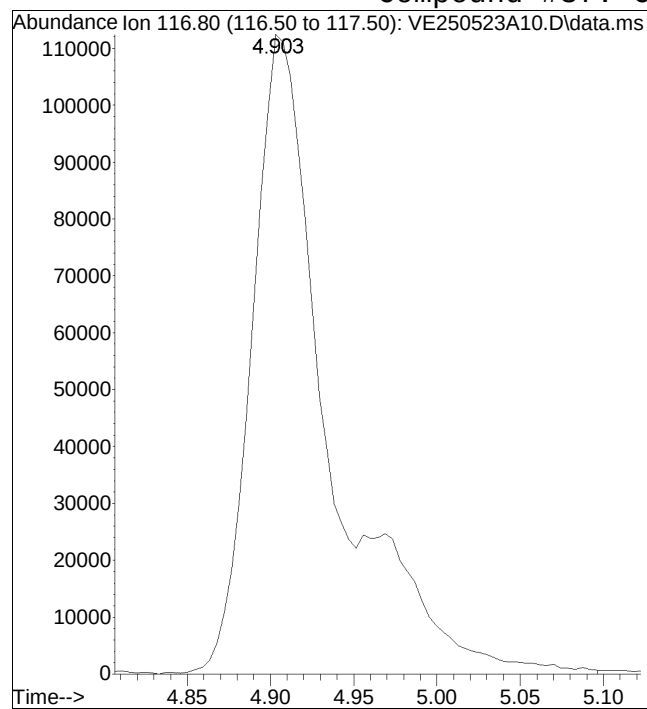


Manual Peak Response = 118594 M6

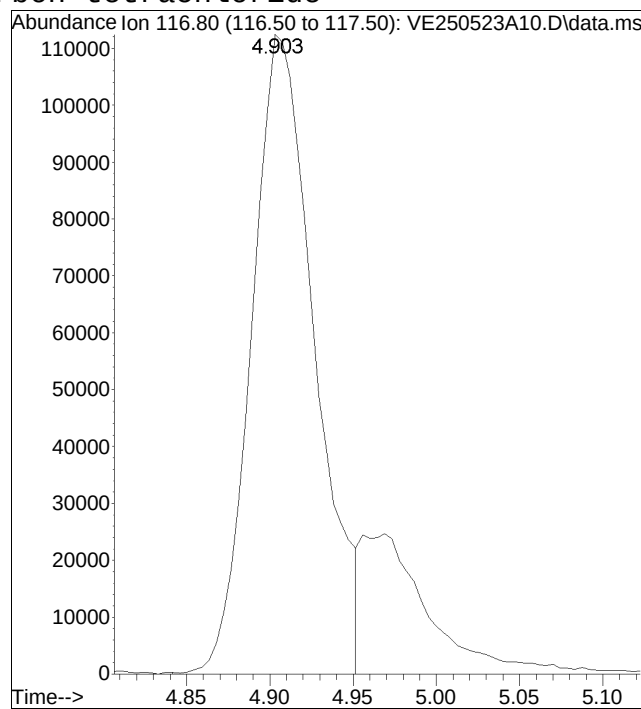
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICAL
Data File : VE250523A10.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 4:36 am Instrument : Elaine
Sample : I8260STD30PPB Quant Date : 5/23/2025 7:39 pm

Compound #37: Carbon tetrachloride



Original Peak Response = 365419
M6 = Misassignment of peak valley

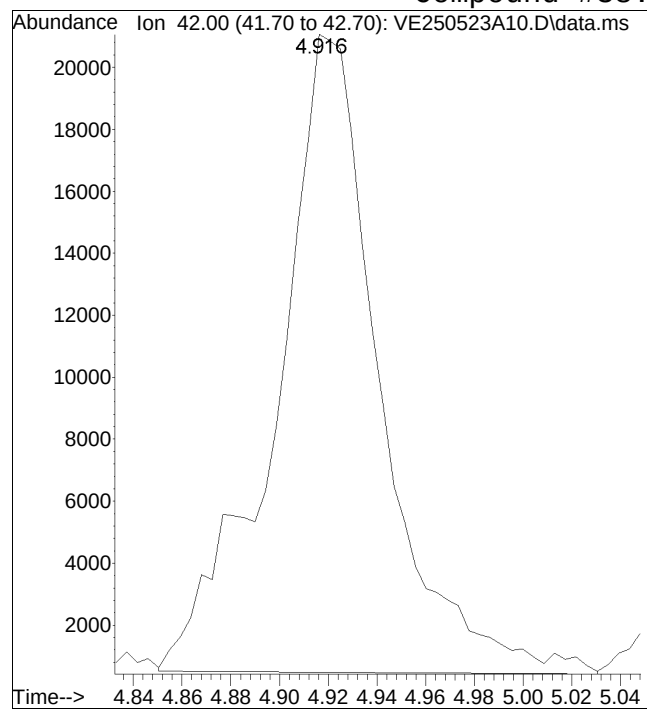


Manual Peak Response = 295605 M6

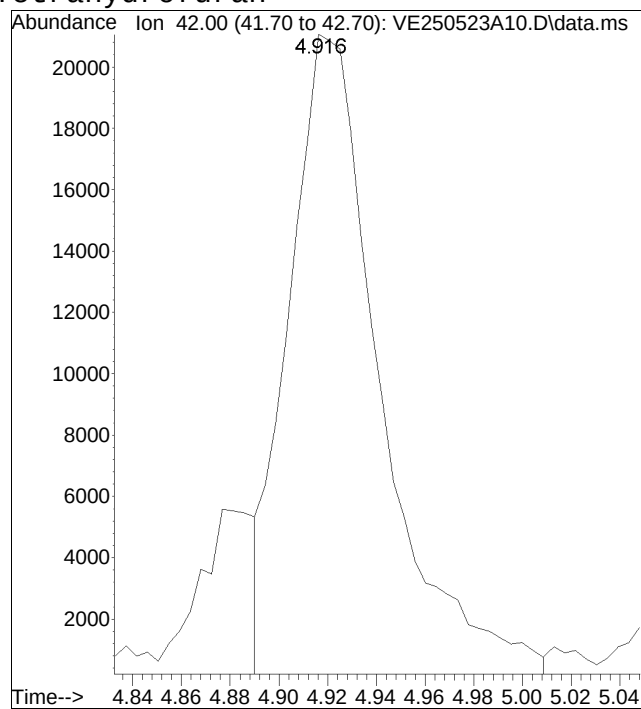
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQ Method : Elaine_250523A_8260.m
Data File : VE250523A10.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 4:36 am Instrument : Elaine
Sample : I8260STD30PPB Quant Date : 5/23/2025 7:39 pm

Compound #38: Tetrahydrofuran



Original Peak Response = 60848
M6 = Misassignment of peak valley

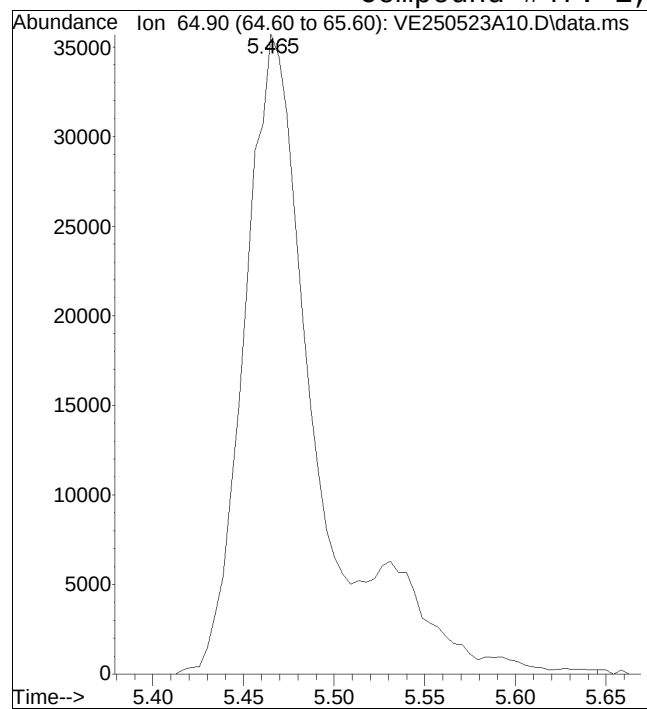


Manual Peak Response = 54351 M6

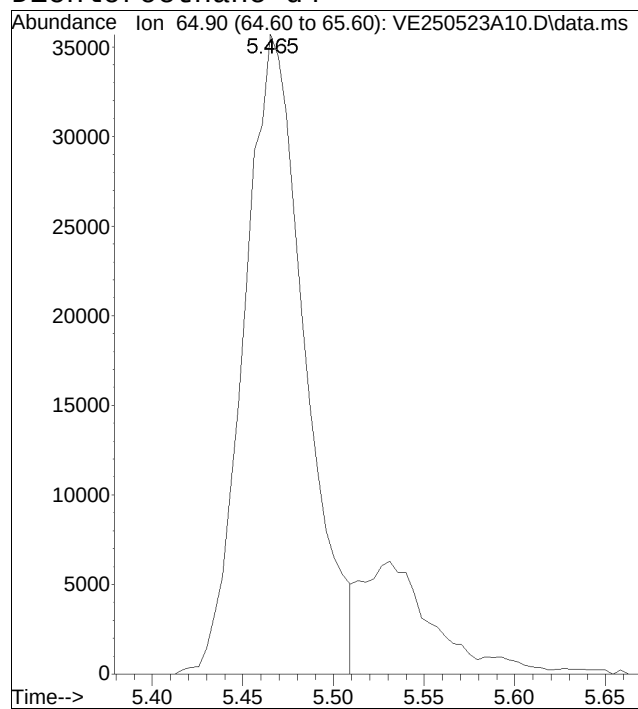
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQ Method : Elaine_250523A_8260.m
Data File : VE250523A10.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 4:36 am Instrument : Elaine
Sample : I8260STD30PPB Quant Date : 5/23/2025 7:39 pm

Compound #47: 1,2-Dichloroethane-d4



Original Peak Response = 101034
M6 = Misassignment of peak valley

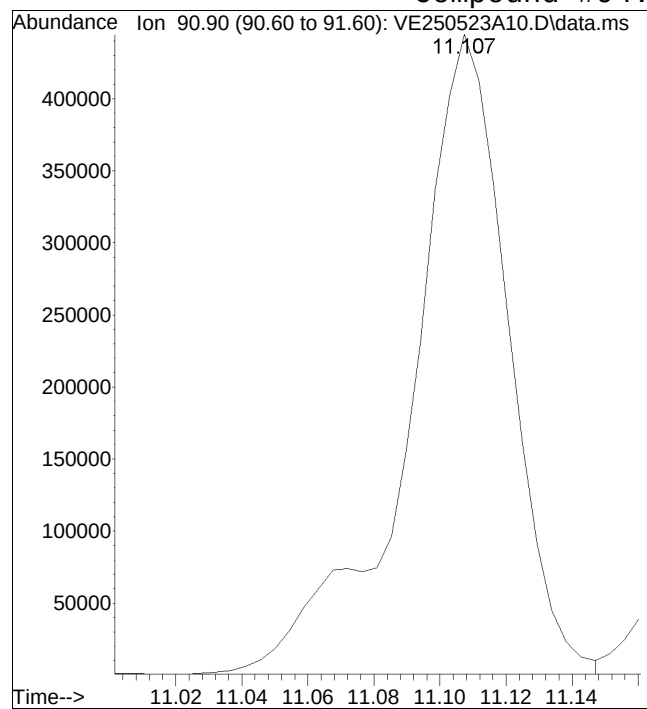


Manual Peak Response = 83314 M6

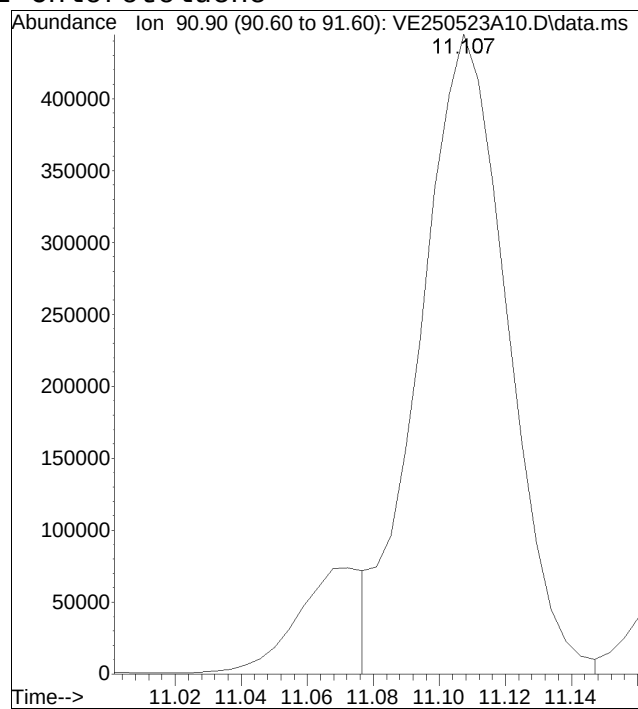
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQ Method : Elaine_250523A_8260.m
Data File : VE250523A10.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 4:36 am Instrument : Elaine
Sample : I8260STD30PPB Quant Date : 5/23/2025 7:39 pm

Compound #94: 2-Chlorotoluene



Original Peak Response = 915878
M6 = Misassignment of peak valley



Manual Peak Response = 816031 M6

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250523AICAL\
 Data File : VE250523A11.D
 Acq On : 23 May 2025 5:00 am
 Operator : ELAINE:JIC
 Sample : I8260STD80PPB
 Misc : WG2070650, ICAL (Sig #1); WG, ICAL22151 (Sig #2)
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 23 20:06:59 2025
 Quant Method : K:\Elaine\2025\250523AICAL\Elaine_250523A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri May 23 19:38:23 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250523AICAL\VE250523A09.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.746	96	338114	10.000	ug/L	0.00
Standard Area 1 = 275801			Recovery	=	122.59%	
63) Chlorobenzene-d5	9.257	117	259014	10.000	ug/L	0.00
Standard Area 1 = 232323			Recovery	=	111.49%	
84) 1,4-Dichlorobenzene-d4	12.010	152	152526	10.000	ug/L	0.00
Standard Area 1 = 130581			Recovery	=	116.81%	
System Monitoring Compounds						
39) Dibromofluoromethane	4.951	113	87475	8.790	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	87.90%	
47) 1,2-Dichloroethane-d4	5.465	65	90477M6	8.859	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	88.59%	
64) Toluene-d8	7.425	98	322585	9.626	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	96.26%	
88) 4-Bromofluorobenzene	10.777	95	117357	9.309	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	93.09%	
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.513	85	842044	65.916	ug/L	100
3) Chloromethane	1.689	50	850822	63.142	ug/L	99
4) Vinyl chloride	1.759	62	731601	61.543	ug/L	99
5) Bromomethane	2.049	94	414153	73.940	ug/L	100
6) Chloroethane	2.163	64	472263	61.562	ug/L	95
7) Trichlorofluoromethane	2.295	101	966349	64.446	ug/L	99
8) Ethyl ether	2.572	74	349740	84.031	ug/L	92
10) 1,1-Dichloroethene	2.756	96	567784	64.973	ug/L	93
11) Carbon disulfide	2.787	76	1802436	66.492	ug/L	100
12) Freon-113	2.791	101	606048	69.522	ug/L	95
13) Iodomethane	2.892	142	907424	69.683	ug/L	99
14) Acrolein	3.063	56	84251	67.304	ug/L	96
15) Methylene chloride	3.292	84	631546	66.245	ug/L	99
17) Acetone	3.327	43	141301	77.611	ug/L	96
18) trans-1,2-Dichloroethene	3.441	96	608706	67.944	ug/L	95
19) Methyl acetate	3.445	43	335758M6	68.709	ug/L	
21) Methyl tert-butyl ether	3.533	73	1512440	84.654	ug/L #	90
22) tert-Butyl alcohol	3.625	59	133417	356.162	ug/L #	100
24) Diisopropyl ether	3.884	45	2236613	76.738	ug/L	96
25) 1,1-Dichloroethane	4.007	63	1136415	63.695	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250523AICAL\
 Data File : VE250523A11.D
 Acq On : 23 May 2025 5:00 am
 Operator : ELAINE:JIC
 Sample : I8260STD80PPB
 Misc : WG2070650, ICAL (Sig #1); WG, ICAL22151 (Sig #2)
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 23 20:06:59 2025
 Quant Method : K:\Elaine\2025\250523AICAL\Elaine_250523A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri May 23 19:38:23 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250523AICAL\VE250523A09.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Halothane	4.060	117	485748	76.816	ug/L	99
27) Acrylonitrile	4.047	53	178786	71.046	ug/L	98
28) Ethyl tert-butyl ether	4.222	59	1791882	81.596	ug/L	94
29) Vinyl acetate	4.231	43	1190842	82.942	ug/L	100
30) cis-1,2-Dichloroethene	4.517	96	698312	69.026	ug/L	93
31) 2,2-Dichloropropane	4.613	77	949574	69.818	ug/L	88
33) Bromochloromethane	4.705	128	335287	69.758	ug/L	85
34) Cyclohexane	4.705	56	1348786	74.399	ug/L	98
35) Chloroform	4.776	83	1087341	69.245	ug/L	97
36) Ethyl acetate	4.881	43	473037	84.503	ug/L	99
37) Carbon tetrachloride	4.907	117	886065M6	78.832	ug/L	
38) Tetrahydrofuran	4.921	42	163109M4	77.219	ug/L	
40) 1,1,1-Trichloroethane	4.973	97	957260	73.945	ug/L	96
42) 2-Butanone	5.057	43	205105	78.947	ug/L	98
43) 1,1-Dichloropropene	5.092	75	783355	83.322	ug/L	96
45) Benzene	5.333	78	2573538	80.947	ug/L	98
46) tert-Amyl methyl ether	5.443	73	1475946	77.093	ug/L	# 85
48) 1,2-Dichloroethane	5.531	62	723825	71.280	ug/L	99
51) Methyl cyclohexane	5.913	83	1163140	79.546	ug/L	93
52) Trichloroethene	5.927	95	660707	87.185	ug/L	94
54) Dibromomethane	6.357	93	349611	76.704	ug/L	98
55) 1,2-Dichloropropane	6.456	63	678530	81.554	ug/L	98
57) 2-Chloroethyl vinyl ether	7.153	63	311057	81.222	ug/L	92
58) Bromodichloromethane	6.533	83	868870	81.619	ug/L	100
61) 1,4-Dioxane	6.741	88	29254	658.061	ug/L	93
62) cis-1,3-Dichloropropene	7.216	75	1034058	88.241	ug/L	94
65) Toluene	7.479	92	1542430	77.455	ug/L	100
66) 4-Methyl-2-pentanone	7.909	58	155645	78.466	ug/L	99
67) Tetrachloroethene	7.927	166	648532	78.751	ug/L	99
69) trans-1,3-Dichloropropene	7.963	75	827848	91.102	ug/L	95
71) Ethyl methacrylate	8.153	69	617170	75.936	ug/L	90
72) 1,1,2-Trichloroethane	8.144	83	383340	89.209	ug/L	94
73) Chlorodibromomethane	8.357	129	633908	95.917	ug/L	99
74) 1,3-Dichloropropane	8.465	76	827905	89.318	ug/L	97
75) 1,2-Dibromoethane	8.624	107	469963	90.112	ug/L	99
77) 2-Hexanone	8.913	43	310187	72.123	ug/L	98
78) Chlorobenzene	9.275	112	1801720	79.701	ug/L	96
79) Ethylbenzene	9.316	91	3184353	80.468	ug/L	97
80) 1,1,1,2-Tetrachloroethane	9.361	131	628921	88.602	ug/L	97
81) p/m Xylene	9.502	106	2689351	165.969	ug/L	93

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250523AICAL\
 Data File : VE250523A11.D
 Acq On : 23 May 2025 5:00 am
 Operator : ELAINE:JIC
 Sample : I8260STD80PPB
 Misc : WG2070650, ICAL (Sig #1); WG, ICAL22151 (Sig #2)
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 23 20:06:59 2025
 Quant Method : K:\Elaine\2025\250523AICAL\Elaine_250523A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri May 23 19:38:23 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250523AICAL\VE250523A09.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) o Xylene	10.049	106	2671612	164.574	ug/L	90
83) Styrene	10.122	104	4574281	169.604	ug/L	97
85) Bromoform	10.144	173	400439	95.596	ug/L	96
87) Isopropylbenzene	10.446	105	3428152	78.953	ug/L	97
89) Bromobenzene	10.891	156	768968	78.695	ug/L	97
90) n-Propylbenzene	10.940	91	4075233	78.489	ug/L	97
91) 1,4-Dichlorobutane	10.957	55	912488	76.628	ug/L	99
92) 1,1,2,2-Tetrachloroethane	11.037	83	509845	75.412	ug/L	99
93) 4-Ethyltoluene	11.072	105	3421078	77.743	ug/L	97
94) 2-Chlorotoluene	11.112	91	2354187M6	79.782	ug/L	
95) 1,3,5-Trimethylbenzene	11.173	105	3142516	84.012	ug/L	98
96) 1,2,3-Trichloropropane	11.173	75	473017	81.848	ug/L	95
97) trans-1,4-Dichloro-2-b...	11.226	53	183351	75.660	ug/L #	76
98) 4-Chlorotoluene	11.297	91	2465188	78.317	ug/L	95
99) tert-Butylbenzene	11.517	119	2647455	80.269	ug/L	94
102) 1,2,4-Trimethylbenzene	11.601	105	3074754	83.334	ug/L	96
103) sec-Butylbenzene	11.715	105	3862937	80.273	ug/L	100
104) p-Isopropyltoluene	11.869	119	3459625	81.105	ug/L	98
105) 1,3-Dichlorobenzene	11.931	146	1735190	80.658	ug/L	98
106) 1,4-Dichlorobenzene	12.028	146	1700880	81.952	ug/L	99
107) p-Diethylbenzene	12.248	119	2119533	82.595	ug/L	98
108) n-Butylbenzene	12.310	91	2888256	82.099	ug/L	98
109) 1,2-Dichlorobenzene	12.455	146	1607705	79.305	ug/L	99
110) 1,2,4,5-Tetramethylben...	13.050	119	3254454	86.255	ug/L	98
111) 1,2-Dibromo-3-chloropr...	13.240	155	97385	76.595	ug/L	97
112) 1,3,5-Trichlorobenzene	13.270	180	1181907	82.981	ug/L	99
113) Hexachlorobutadiene	13.852	225	322985	75.291	ug/L	98
114) 1,2,4-Trichlorobenzene	13.870	180	1071087	82.870	ug/L	98
115) Naphthalene	14.165	128	2452556	81.413	ug/L	100
116) 1,2,3-Trichlorobenzene	14.332	180	926364	80.485	ug/L	99

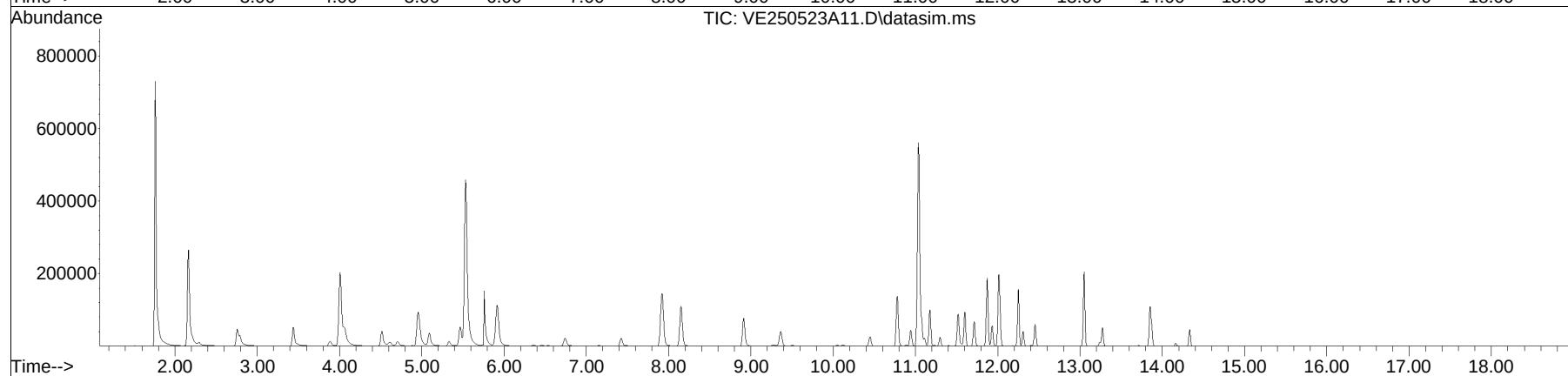
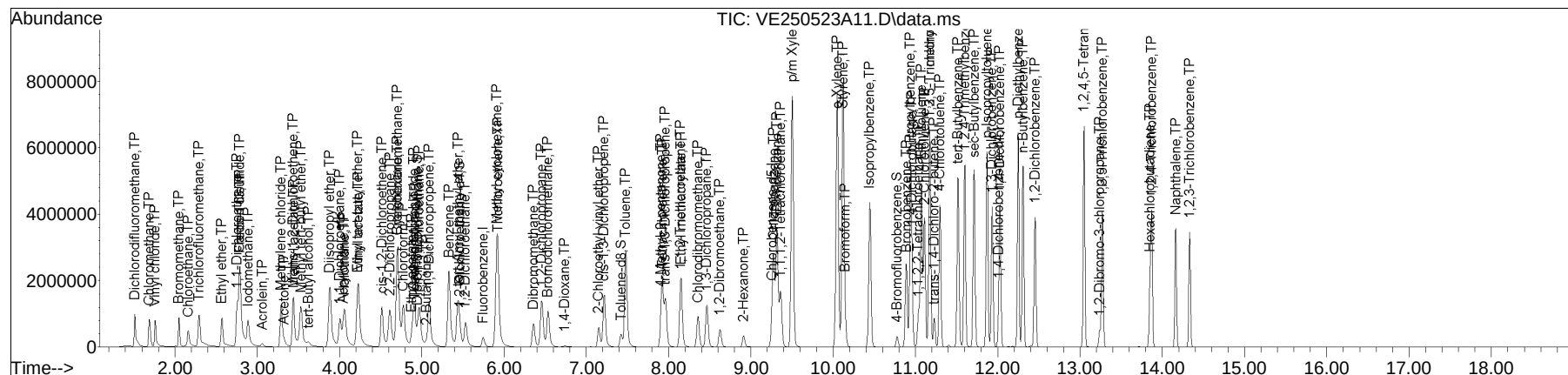
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250523AICAL\
 Data File : VE250523A11.D
 Acq On : 23 May 2025 5:00 am
 Operator : ELAINE:JIC
 Sample : I8260STD80PPB
 Misc : WG2070650,ICAL (Sig #1); WG,ICAL22151 (Sig #2)
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: May 23 20:06:59 2025
 Quant Method : K:\Elaine\2025\250523AICAL\Elaine_250523A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri May 23 19:38:23 2025
 Response via : Initial Calibration

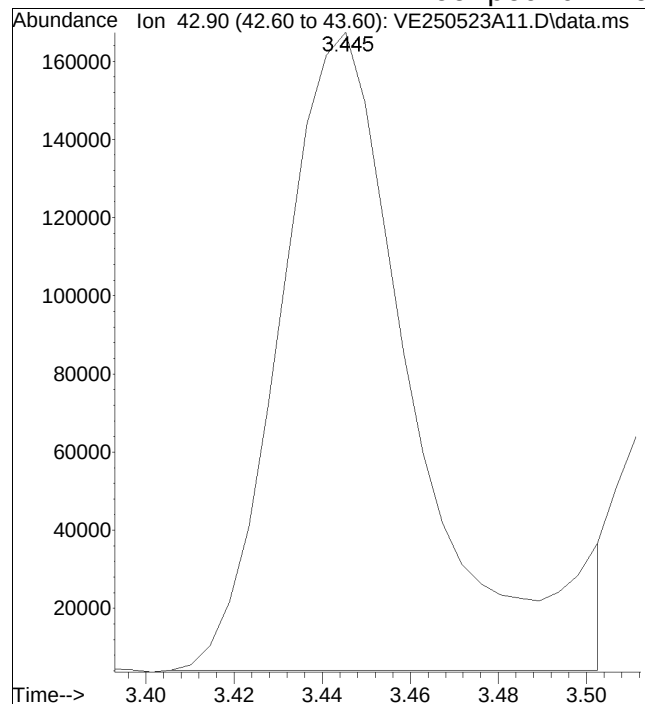
SOALLISTE(s) : 8260KCN\Elaine\2025\250523AICAL\VE250523A09.D•



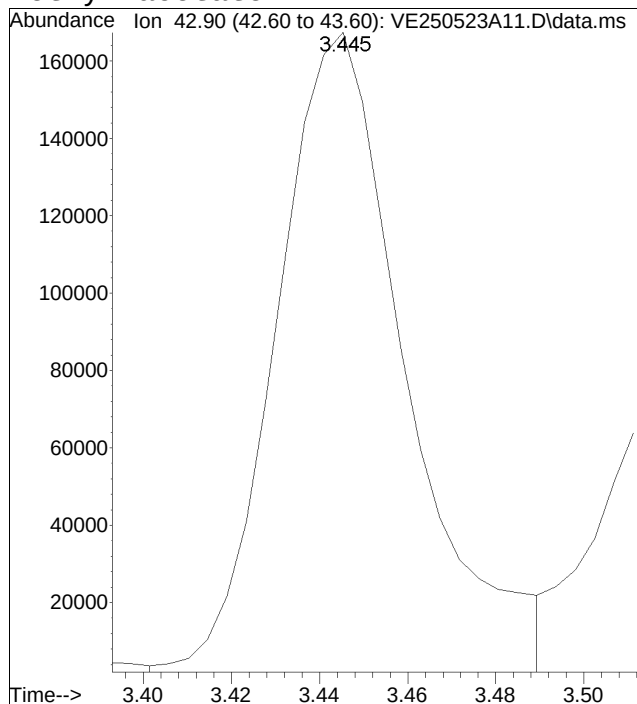
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQMethod : Elaine_250523A_8260.m
Data File : VE250523A11.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 5:00 am Instrument : Elaine
Sample : I8260STD80PPB Quant Date : 5/23/2025 7:39 pm

Compound #19: Methyl acetate



Original Peak Response = 344590
M6 = Misassignment of peak valley

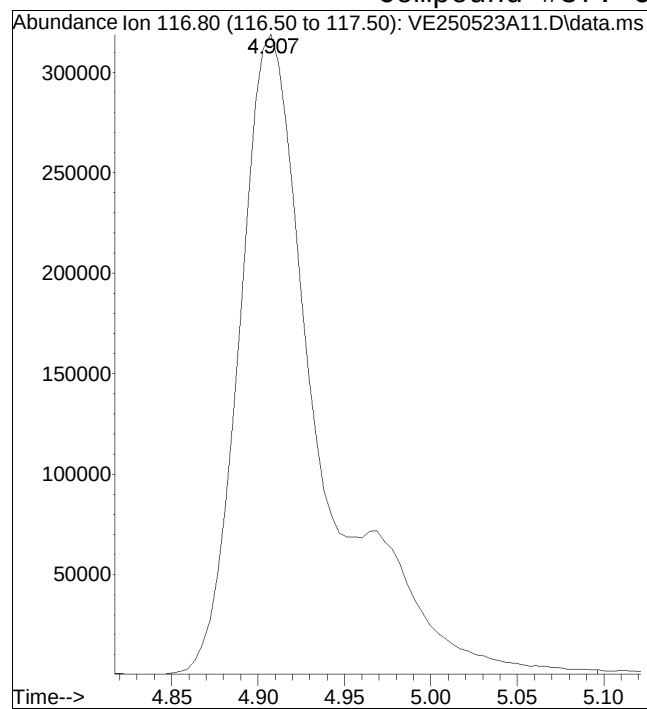


Manual Peak Response = 335758 M6

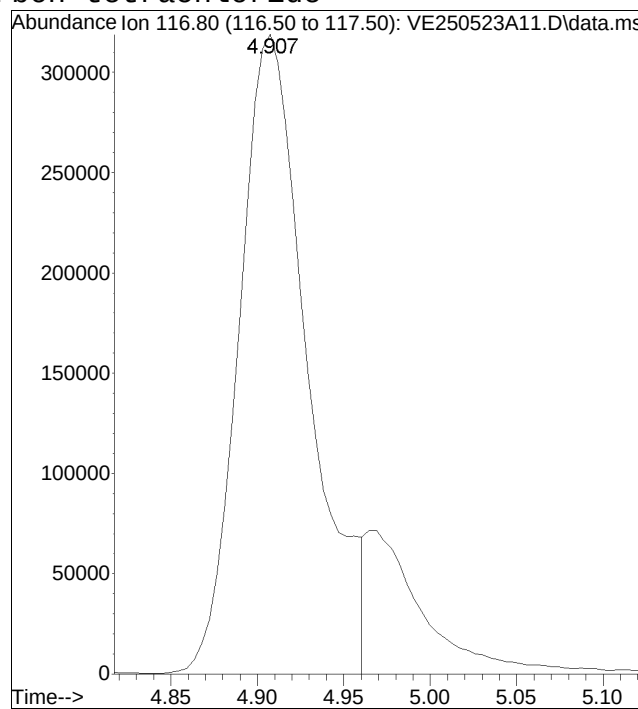
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQ Method : Elaine_250523A_8260.m
Data File : VE250523A11.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 5:00 am Instrument : Elaine
Sample : I8260STD80PPB Quant Date : 5/23/2025 7:39 pm

Compound #37: Carbon tetrachloride



Original Peak Response = 1045428
M6 = Misassignment of peak valley

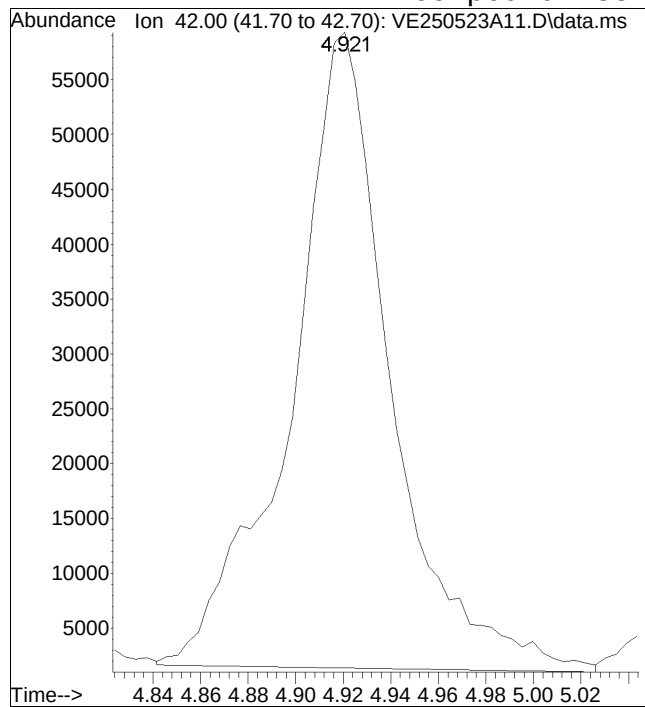


Manual Peak Response = 886065 M6

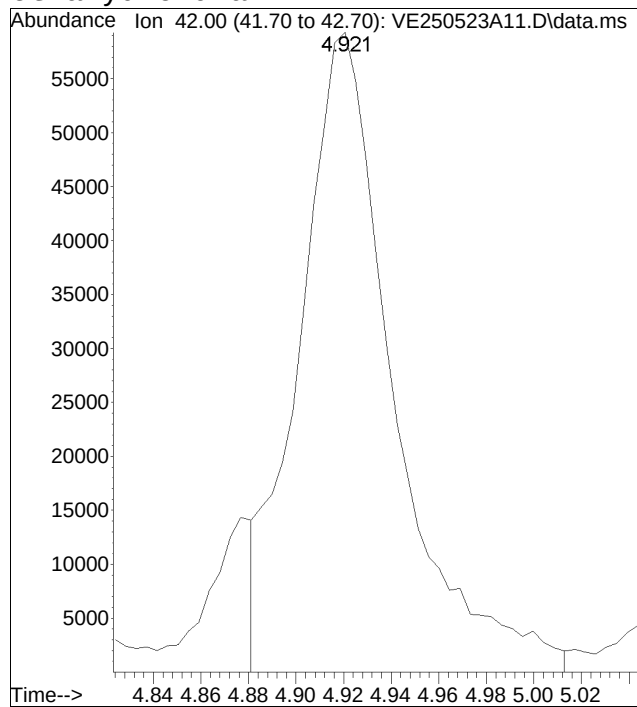
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQMethod : Elaine_250523A_8260.m
Data File : VE250523A11.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 5:00 am Instrument : Elaine
Sample : I8260STD80PPB Quant Date : 5/23/2025 7:39 pm

Compound #38: Tetrahydrofuran



Original Peak Response = 168413
M4 = Baseline adjustment required

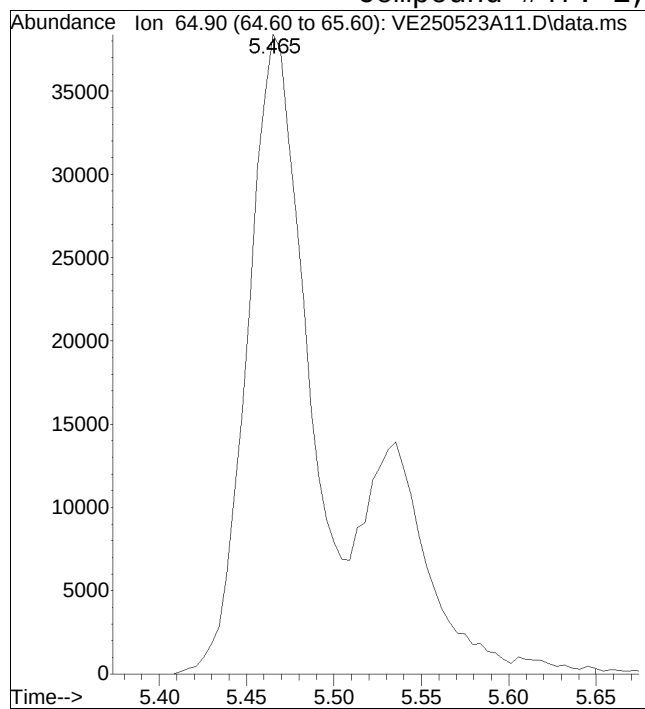


Manual Peak Response = 163109 M4

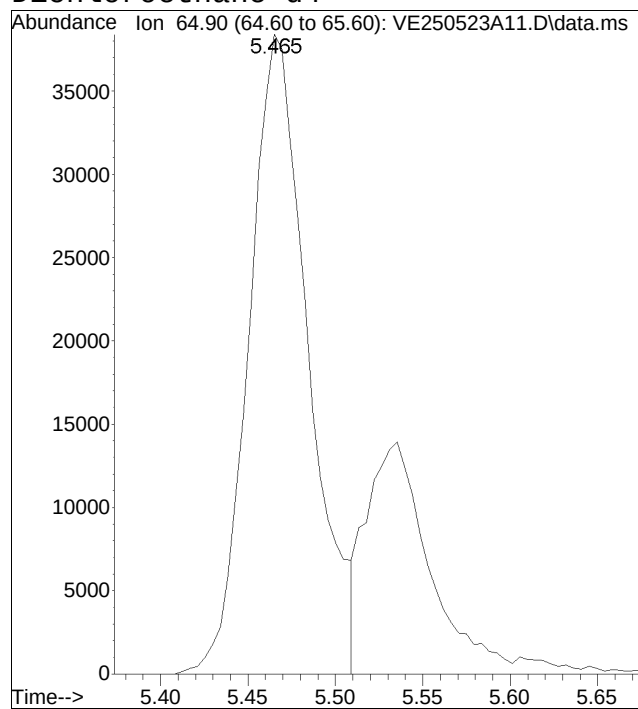
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQ Method : Elaine_250523A_8260.m
Data File : VE250523A11.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 5:00 am Instrument : Elaine
Sample : I8260STD80PPB Quant Date : 5/23/2025 7:39 pm

Compound #47: 1,2-Dichloroethane-d4



Original Peak Response = 127079
M6 = Misassignment of peak valley

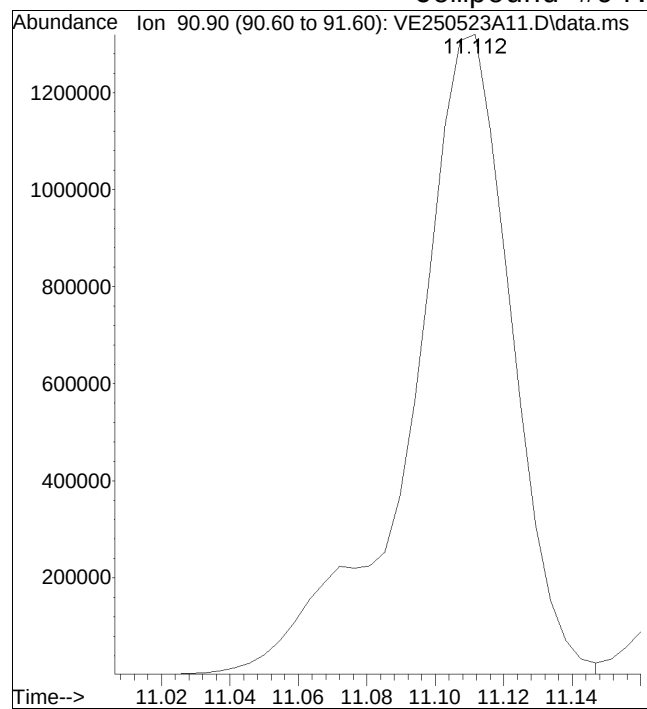


Manual Peak Response = 90477 M6

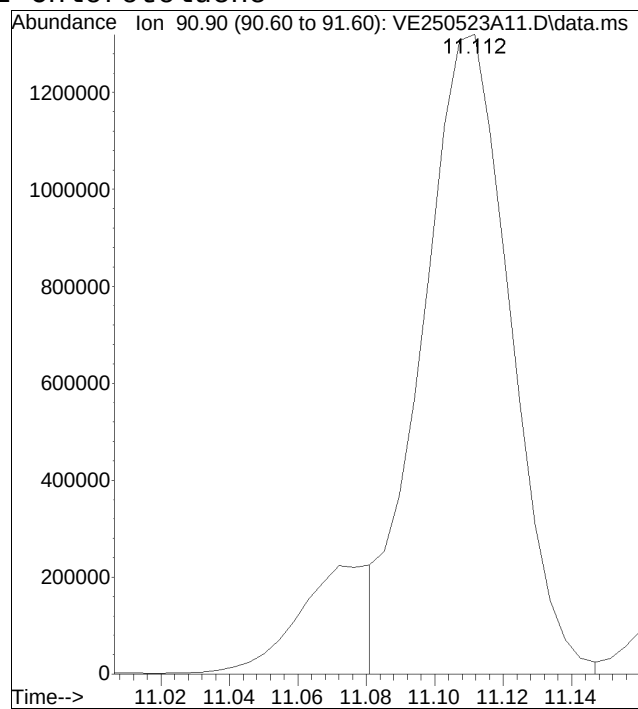
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQ Method : Elaine_250523A_8260.m
Data File : VE250523A11.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 5:00 am Instrument : Elaine
Sample : I8260STD80PPB Quant Date : 5/23/2025 7:39 pm

Compound #94: 2-Chlorotoluene



Original Peak Response = 2681385
M6 = Misassignment of peak valley



Manual Peak Response = 2354187 M6

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250523AICAL\
 Data File : VE250523A12.D
 Acq On : 23 May 2025 5:25 am
 Operator : ELAINE:JIC
 Sample : I8260STD120PPB
 Misc : WG2070650, ICAL (Sig #1); WG, ICAL22151 (Sig #2)
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 23 20:07:08 2025
 Quant Method : K:\Elaine\2025\250523AICAL\Elaine_250523A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri May 23 19:38:23 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250523AICAL\VE250523A09.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.750	96	349349	10.000	ug/L	0.00
Standard Area 1 = 275801			Recovery	=	126.67%	
63) Chlorobenzene-d5	9.253	117	269538	10.000	ug/L	0.00
Standard Area 1 = 232323			Recovery	=	116.02%	
84) 1,4-Dichlorobenzene-d4	12.015	152	156029	10.000	ug/L	0.00
Standard Area 1 = 130581			Recovery	=	119.49%	
System Monitoring Compounds						
39) Dibromofluoromethane	4.951	113	92324	8.979	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	89.79%	
47) 1,2-Dichloroethane-d4	5.465	65	92700M6	8.784	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	87.84%	
64) Toluene-d8	7.420	98	332946	9.547	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	95.47%	
88) 4-Bromofluorobenzene	10.777	95	121286	9.405	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	94.05%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.513	85	1277032	96.752	ug/L	99
3) Chloromethane	1.689	50	1281985	92.080	ug/L	99
4) Vinyl chloride	1.759	62	1098183	89.409	ug/L	99
5) Bromomethane	2.053	94	647892	111.951	ug/L	99
6) Chloroethane	2.163	64	713640	90.036	ug/L	96
7) Trichlorofluoromethane	2.295	101	1508553	97.370	ug/L	99
8) Ethyl ether	2.572	74	548795	127.616	ug/L	93
10) 1,1-Dichloroethene	2.760	96	884317	97.941	ug/L	91
11) Carbon disulfide	2.787	76	2806887	100.216	ug/L	99
12) Freon-113	2.796	101	946750	105.112	ug/L	96
13) Iodomethane	2.892	142	1315325	97.758	ug/L	98
14) Acrolein	3.059	56	133216	102.997	ug/L	96
15) Methylene chloride	3.292	84	975910	99.075	ug/L	98
17) Acetone	3.327	43	215848	114.744	ug/L	96
18) trans-1,2-Dichloroethene	3.441	96	952963	102.950	ug/L	95
19) Methyl acetate	3.441	43	532072M6	105.380	ug/L	
21) Methyl tert-butyl ether	3.533	73	2424878	131.360	ug/L #	90
22) tert-Butyl alcohol	3.625	59	223658	577.862	ug/L #	100
24) Diisopropyl ether	3.884	45	3504230	116.364	ug/L	96
25) 1,1-Dichloroethane	4.007	63	1728479	93.765	ug/L	99

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250523AICAL\
 Data File : VE250523A12.D
 Acq On : 23 May 2025 5:25 am
 Operator : ELAINE:JIC
 Sample : I8260STD120PPB
 Misc : WG2070650,ICAL (Sig #1); WG,ICAL22151 (Sig #2)
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 23 20:07:08 2025
 Quant Method : K:\Elaine\2025\250523AICAL\Elaine_250523A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri May 23 19:38:23 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250523AICAL\VE250523A09.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Halothane	4.064	117	756977	115.859	ug/L	99
27) Acrylonitrile	4.047	53	278047	106.937	ug/L	97
28) Ethyl tert-butyl ether	4.227	59	2882711	127.047	ug/L	96
29) Vinyl acetate	4.236	43	2008800	135.413	ug/L	100
30) cis-1,2-Dichloroethene	4.517	96	1082373	103.548	ug/L	92
31) 2,2-Dichloropropane	4.613	77	1457713	103.732	ug/L	88
33) Bromochloromethane	4.705	128	526553	106.029	ug/L	82
34) Cyclohexane	4.705	56	2092678	111.720	ug/L	96
35) Chloroform	4.780	83	1686348	103.938	ug/L	97
36) Ethyl acetate	4.881	43	760231	131.440	ug/L	98
37) Carbon tetrachloride	4.907	117	1341726M6	115.532	ug/L	
38) Tetrahydrofuran	4.921	42	227431M6	104.208	ug/L	
40) 1,1,1-Trichloroethane	4.973	97	1485370	111.050	ug/L	96
42) 2-Butanone	5.057	43	325917	121.415	ug/L	97
43) 1,1-Dichloropropene	5.092	75	1228164	126.433	ug/L	96
45) Benzene	5.333	78	4026835	122.585	ug/L	99
46) tert-Amyl methyl ether	5.443	73	2385426	120.590	ug/L	# 84
48) 1,2-Dichloroethane	5.535	62	1130765	107.773	ug/L	98
51) Methyl cyclohexane	5.913	83	1863595	123.351	ug/L	92
52) Trichloroethene	5.927	95	1042012	133.079	ug/L	93
54) Dibromomethane	6.357	93	553594	117.552	ug/L	97
55) 1,2-Dichloropropane	6.461	63	1057950	123.067	ug/L	99
57) 2-Chloroethyl vinyl ether	7.158	63	492520	124.470	ug/L	93
58) Bromodichloromethane	6.538	83	1359395	123.591	ug/L	99
61) 1,4-Dioxane	6.741	88	45806	997.257	ug/L	95
62) cis-1,3-Dichloropropene	7.221	75	1638730	135.343	ug/L	94
65) Toluene	7.483	92	2424133	116.977	ug/L	100
66) 4-Methyl-2-pentanone	7.909	58	245855	119.104	ug/L	99
67) Tetrachloroethene	7.927	166	1025765	119.695	ug/L	98
69) trans-1,3-Dichloropropene	7.963	75	1320653	139.660	ug/L	96
71) Ethyl methacrylate	8.153	69	992204	117.313	ug/L	91
72) 1,1,2-Trichloroethane	8.149	83	604994	135.294	ug/L	92
73) Chlorodibromomethane	8.357	129	1013774	147.405	ug/L	99
74) 1,3-Dichloropropane	8.465	76	1316640	136.499	ug/L	97
75) 1,2-Dibromoethane	8.624	107	753578	138.851	ug/L	99
77) 2-Hexanone	8.913	43	476610	106.492	ug/L	98
78) Chlorobenzene	9.275	112	2856498	121.426	ug/L	96
79) Ethylbenzene	9.316	91	5076492	123.273	ug/L	96
80) 1,1,1,2-Tetrachloroethane	9.361	131	1036706	140.348	ug/L	97
81) p/m Xylene	9.506	106	4263156	252.821	ug/L	93

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250523AICAL\
 Data File : VE250523A12.D
 Acq On : 23 May 2025 5:25 am
 Operator : ELAINE:JIC
 Sample : I8260STD120PPB
 Misc : WG2070650, ICAL (Sig #1); WG, ICAL22151 (Sig #2)
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 23 20:07:08 2025
 Quant Method : K:\Elaine\2025\250523AICAL\Elaine_250523A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri May 23 19:38:23 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250523AICAL\VE250523A09.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) o Xylene	10.054	106	4241921	251.103	ug/L	89
83) Styrene	10.122	104	7228322	257.546	ug/L	98
85) Bromoform	10.144	173	655672	153.012	ug/L	96
87) Isopropylbenzene	10.446	105	5465813	123.055	ug/L	97
89) Bromobenzene	10.891	156	1236539	123.704	ug/L	98
90) n-Propylbenzene	10.944	91	6425754	120.981	ug/L	96
91) 1,4-Dichlorobutane	10.957	55	1438852	118.118	ug/L	100
92) 1,1,2,2-Tetrachloroethane	11.037	83	823552	119.077	ug/L	100
93) 4-Ethyltoluene	11.076	105	5452518	121.125	ug/L	97
94) 2-Chlorotoluene	11.112	91	3803898M6	126.017	ug/L	
95) 1,3,5-Trimethylbenzene	11.178	105	4988671	130.372	ug/L	97
96) 1,2,3-Trichloropropane	11.173	75	748224	126.562	ug/L	92
97) trans-1,4-Dichloro-2-b...	11.231	53	290741	117.280	ug/L #	75
98) 4-Chlorotoluene	11.301	91	3897338	121.035	ug/L	94
99) tert-Butylbenzene	11.521	119	4175375	123.752	ug/L	94
102) 1,2,4-Trimethylbenzene	11.601	105	4807633	127.374	ug/L	96
103) sec-Butylbenzene	11.715	105	6029243	122.476	ug/L	99
104) p-Isopropyltoluene	11.874	119	5372407	123.119	ug/L	98
105) 1,3-Dichlorobenzene	11.935	146	2742110	124.602	ug/L	98
106) 1,4-Dichlorobenzene	12.028	146	2686851	126.552	ug/L	99
107) p-Diethylbenzene	12.248	119	3335200	127.050	ug/L	98
108) n-Butylbenzene	12.310	91	4496769	124.951	ug/L	97
109) 1,2-Dichlorobenzene	12.455	146	2527380	121.872	ug/L	99
110) 1,2,4,5-Tetramethylben...	13.050	119	5326927	138.013	ug/L	99
111) 1,2-Dibromo-3-chloropr...	13.240	155	161152	123.903	ug/L	98
112) 1,3,5-Trichlorobenzene	13.275	180	1932474	132.631	ug/L	99
113) Hexachlorobutadiene	13.852	225	499109	113.736	ug/L	97
114) 1,2,4-Trichlorobenzene	13.870	180	1715253	129.730	ug/L	99
115) Naphthalene	14.165	128	3892250	126.303	ug/L	100
116) 1,2,3-Trichlorobenzene	14.332	180	1438567	122.180	ug/L	99

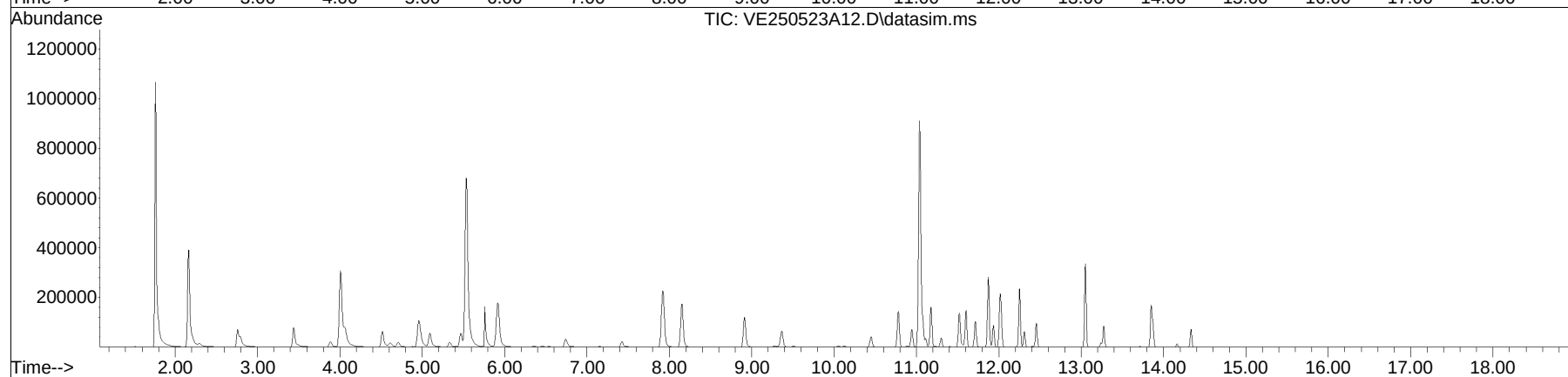
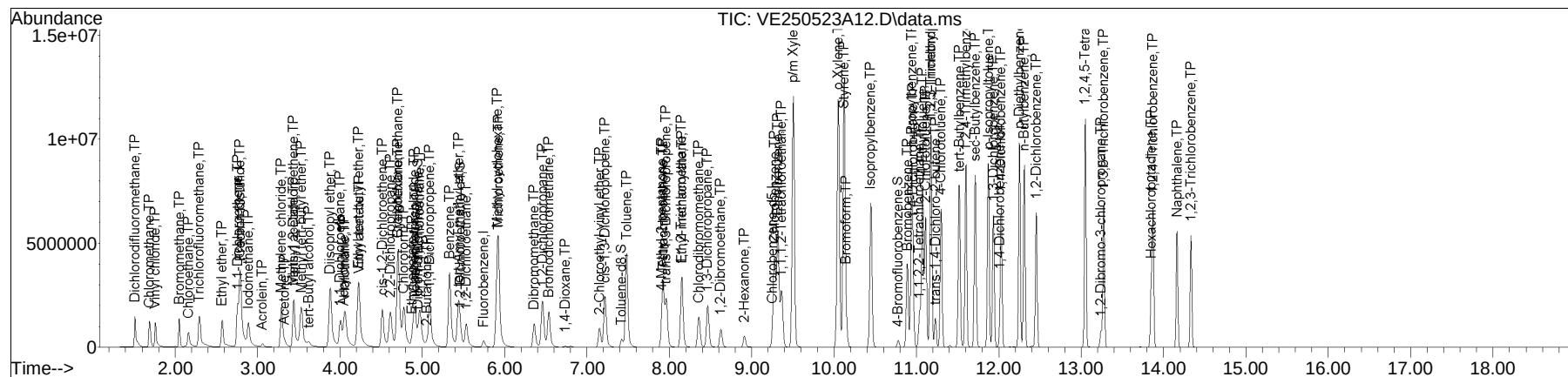
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250523AICAL\
 Data File : VE250523A12.D
 Acq On : 23 May 2025 5:25 am
 Operator : ELAINE:JIC
 Sample : I8260STD120PPB
 Misc : WG2070650,ICAL (Sig #1); WG,ICAL22151 (Sig #2)
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: May 23 20:07:08 2025
 Quant Method : K:\Elaine\2025\250523AICAL\Elaine_250523A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri May 23 19:38:23 2025
 Response via : Initial Calibration

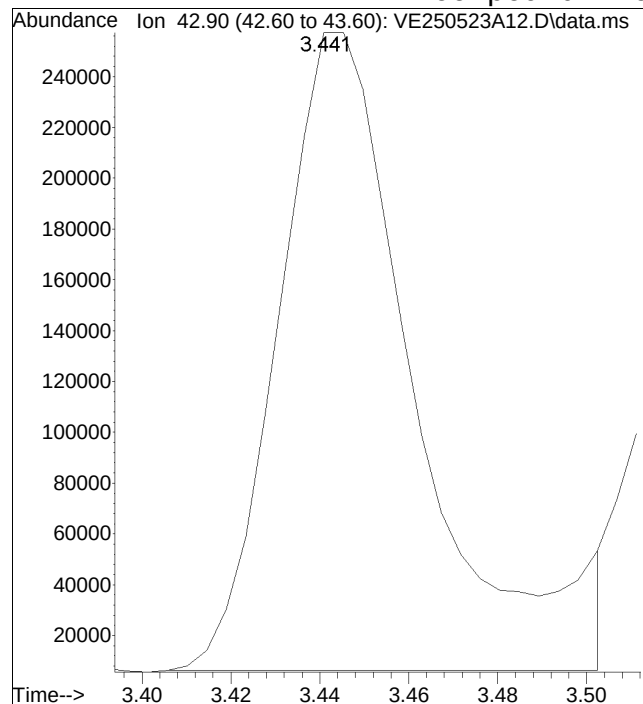
SOALLISTE(s) : 8260KCN\Elaine\2025\250523AICAL\VE250523A09.D•



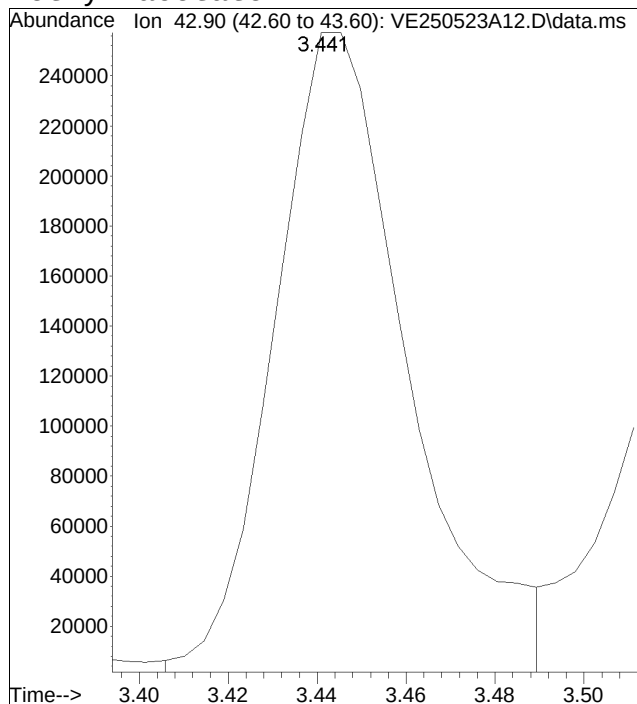
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQMethod : Elaine_250523A_8260.m
Data File : VE250523A12.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 5:25 am Instrument : Elaine
Sample : I8260STD120PPB Quant Date : 5/23/2025 7:39 pm

Compound #19: Methyl acetate



Original Peak Response = 538956
M6 = Misassignment of peak valley

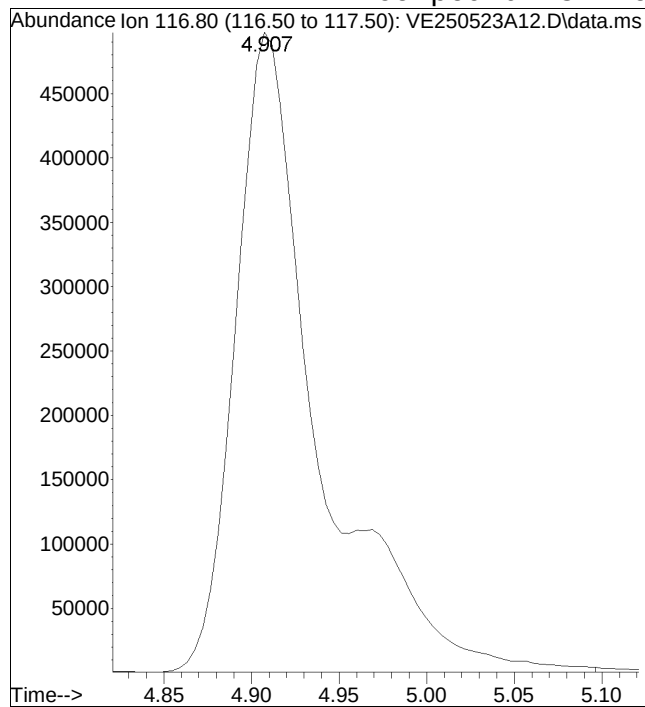


Manual Peak Response = 532072 M6

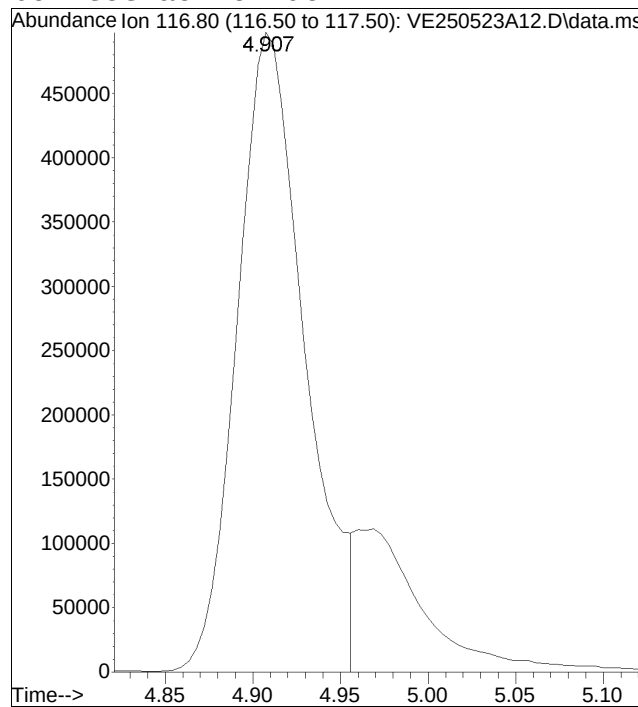
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQ Method : Elaine_250523A_8260.m
Data File : VE250523A12.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 5:25 am Instrument : Elaine
Sample : I8260STD120PPB Quant Date : 5/23/2025 7:39 pm

Compound #37: Carbon tetrachloride



Original Peak Response = 1631550
M6 = Misassignment of peak valley

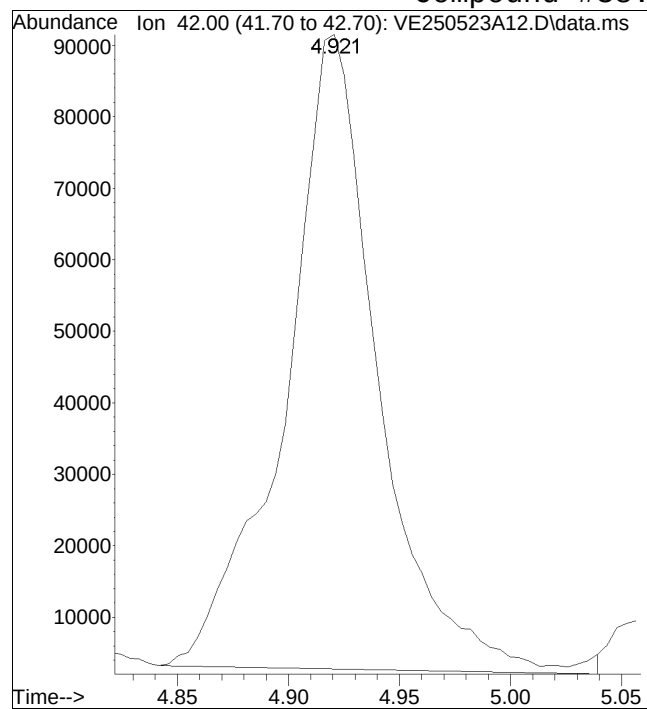


Manual Peak Response = 1341726 M6

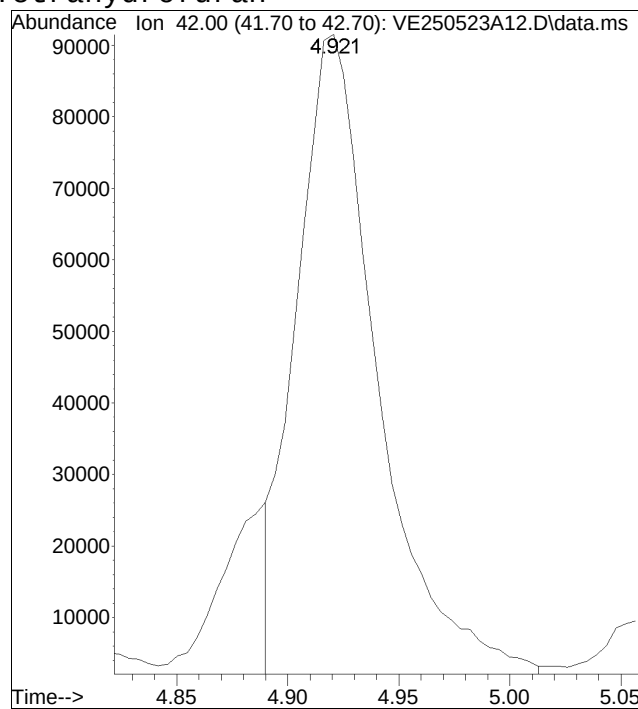
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQMethod : Elaine_250523A_8260.m
Data File : VE250523A12.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 5:25 am Instrument : Elaine
Sample : I8260STD120PPB Quant Date : 5/23/2025 7:39 pm

Compound #38: Tetrahydrofuran



Original Peak Response = 258311
M6 = Misassignment of peak valley

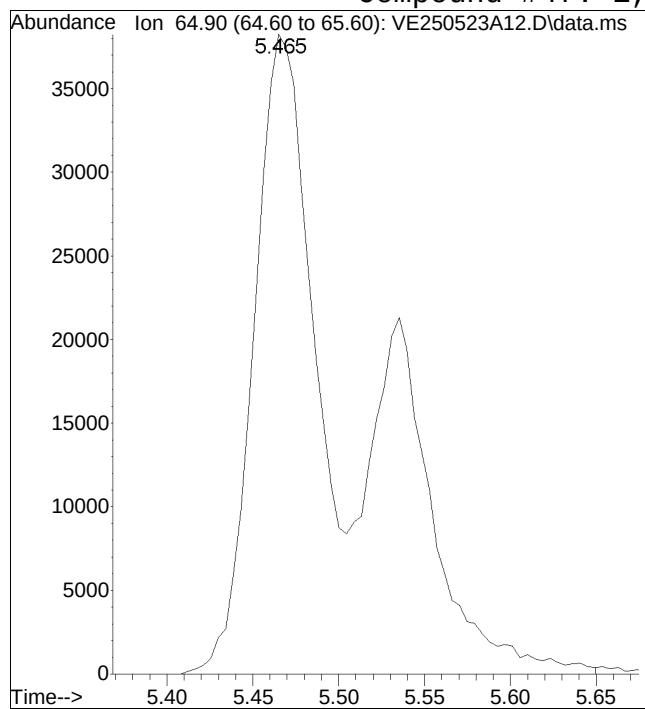


Manual Peak Response = 227431 M6

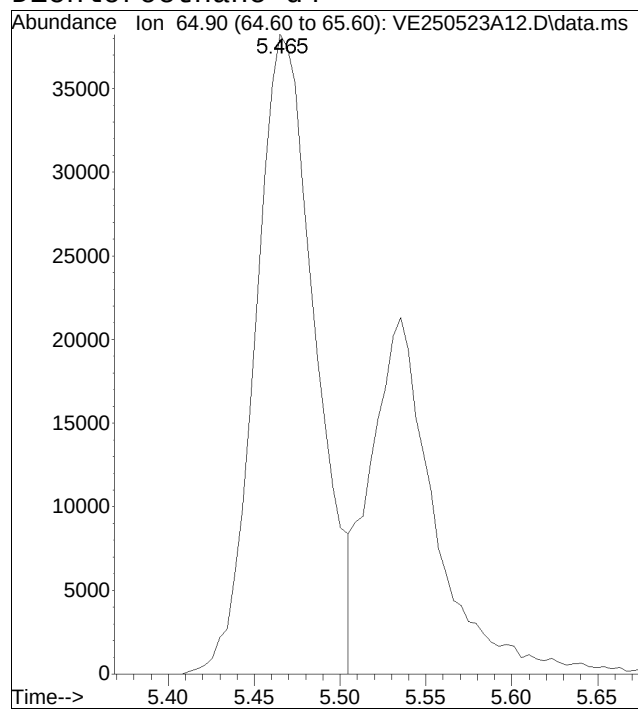
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQ Method : Elaine_250523A_8260.m
Data File : VE250523A12.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 5:25 am Instrument : Elaine
Sample : I8260STD120PPB Quant Date : 5/23/2025 7:39 pm

Compound #47: 1,2-Dichloroethane-d4



Original Peak Response = 148006
M6 = Misassignment of peak valley

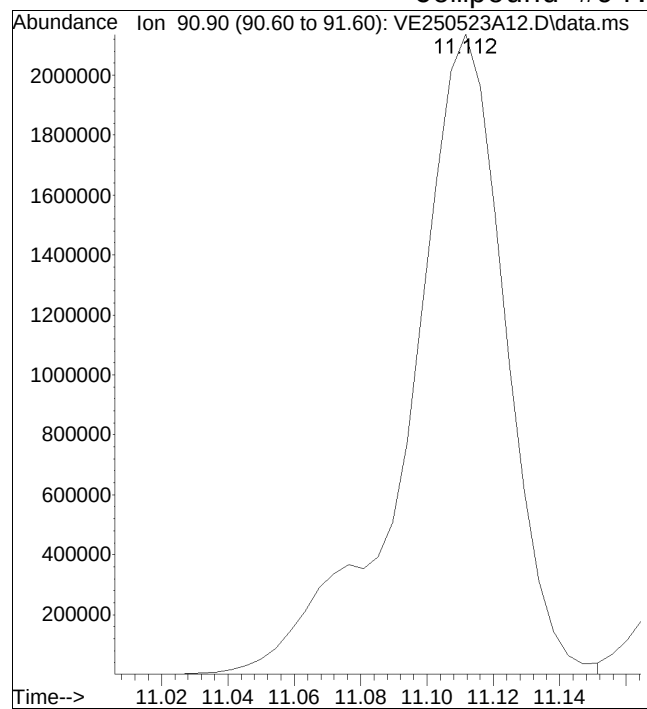


Manual Peak Response = 92700 M6

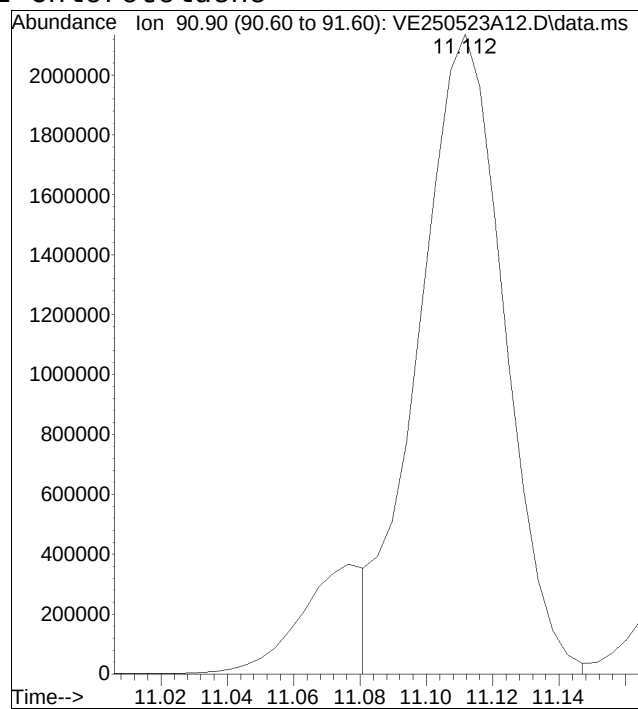
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQ Method : Elaine_250523A_8260.m
Data File : VE250523A12.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 5:25 am Instrument : Elaine
Sample : I8260STD120PPB Quant Date : 5/23/2025 7:39 pm

Compound #94: 2-Chlorotoluene



Original Peak Response = 4304395
M6 = Misassignment of peak valley



Manual Peak Response = 3803898 M6

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250523AICAL\
 Data File : VE250523A13.D
 Acq On : 23 May 2025 5:49 am
 Operator : ELAINE:JIC
 Sample : I8260STD200PPB
 Misc : WG2070650, ICAL (Sig #1); WG, ICAL22151 (Sig #2)
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 23 20:07:20 2025
 Quant Method : K:\Elaine\2025\250523AICAL\Elaine_250523A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri May 23 19:38:23 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250523AICAL\VE250523A09.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.746	96	375134	10.000	ug/L	0.00
Standard Area 1 = 275801			Recovery	=	136.02%	
63) Chlorobenzene-d5	9.257	117	293073	10.000	ug/L	0.00
Standard Area 1 = 232323			Recovery	=	126.15%	
84) 1,4-Dichlorobenzene-d4	12.015	152	173957	10.000	ug/L	0.00
Standard Area 1 = 130581			Recovery	=	133.22%	
System Monitoring Compounds						
39) Dibromofluoromethane	4.951	113	98997	8.966	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	89.66%	
47) 1,2-Dichloroethane-d4	5.469	65	98030M6	8.651	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	86.51%	
64) Toluene-d8	7.425	98	343529	9.060	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	90.60%	
88) 4-Bromofluorobenzene	10.781	95	127284	8.853	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	88.53%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.513	85	2122545	149.758	ug/L	99
3) Chloromethane	1.689	50	2169937	145.145	ug/L	100
4) Vinyl chloride	1.759	62	1831395	138.855	ug/L	99
5) Bromomethane	2.049	94	1104079	177.663	ug/L	99
6) Chloroethane	2.155	64	1174320	137.973	ug/L	96
7) Trichlorofluoromethane	2.295	101	2608342	156.784	ug/L	99
8) Ethyl ether	2.572	74	965559	209.097	ug/L	93
10) 1,1-Dichloroethene	2.760	96	1526514	157.446	ug/L	90
11) Carbon disulfide	2.787	76	4795735	159.455	ug/L	100
12) Freon-113	2.796	101	1613830	166.859	ug/L	95
13) Iodomethane	2.888	142	2305393	159.564	ug/L	99
14) Acrolein	3.063	56	231645	166.788	ug/L	97
15) Methylene chloride	3.292	84	1730497	163.605	ug/L	97
17) Acetone	3.327	43	380664	188.450	ug/L	98
18) trans-1,2-Dichloroethene	3.441	96	1669340	167.945	ug/L	93
19) Methyl acetate	3.441	43	939730M6	173.326	ug/L	
21) Methyl tert-butyl ether	3.533	73	4339604	218.925	ug/L #	89
22) tert-Butyl alcohol	3.625	59	412406	992.288	ug/L #	100
24) Diisopropyl ether	3.884	45	6138288	189.821	ug/L	96
25) 1,1-Dichloroethane	4.007	63	2963259	149.699	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250523AICAL\
 Data File : VE250523A13.D
 Acq On : 23 May 2025 5:49 am
 Operator : ELAINE:JIC
 Sample : I8260STD200PPB
 Misc : WG2070650, ICAL (Sig #1); WG, ICAL22151 (Sig #2)
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 23 20:07:20 2025
 Quant Method : K:\Elaine\2025\250523AICAL\Elaine_250523A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri May 23 19:38:23 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250523AICAL\VE250523A09.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Halothane	4.064	117	1376145	196.148	ug/L	99
27) Acrylonitrile	4.047	53	462750	165.741	ug/L	99
28) Ethyl tert-butyl ether	4.223	59	5190343	213.026	ug/L	91
29) Vinyl acetate	4.236	43	3200440	200.912	ug/L	99
30) cis-1,2-Dichloroethene	4.517	96	1912255	170.367	ug/L	90
31) 2,2-Dichloropropane	4.613	77	2514314	166.622	ug/L	86
33) Bromochloromethane	4.706	128	938075	175.912	ug/L #	79
34) Cyclohexane	4.710	56	3596499	178.805	ug/L	94
35) Chloroform	4.780	83	2991626	171.715	ug/L	97
36) Ethyl acetate	4.881	43	1329866	214.123	ug/L	99
37) Carbon tetrachloride	4.907	117	2401005M6	192.533	ug/L	
38) Tetrahydrofuran	4.921	42	443044M6	189.048	ug/L	
40) 1,1,1-Trichloroethane	4.973	97	2619886	182.406	ug/L	95
42) 2-Butanone	5.061	43	570125	197.791	ug/L	99
43) 1,1-Dichloropropene	5.092	75	2164486	207.506	ug/L	96
45) Benzene	5.333	78	7178864	203.518	ug/L	99
46) tert-Amyl methyl ether	5.443	73	4314458	203.117	ug/L #	84
48) 1,2-Dichloroethane	5.535	62	1945488	172.679	ug/L	99
51) Methyl cyclohexane	5.913	83	3332265	205.401	ug/L	90
52) Trichloroethene	5.927	95	1947157	231.584	ug/L	93
54) Dibromomethane	6.357	93	990556	195.880	ug/L	97
55) 1,2-Dichloropropane	6.461	63	1865917	202.136	ug/L	99
57) 2-Chloroethyl vinyl ether	7.153	63	885298	208.354	ug/L	93
58) Bromodichloromethane	6.538	83	2426777	205.468	ug/L	100
61) 1,4-Dioxane	6.741	88	81598	1654.387	ug/L	95
62) cis-1,3-Dichloropropene	7.221	75	2911174	223.908	ug/L	96
65) Toluene	7.484	92	4392906	194.958	ug/L	98
66) 4-Methyl-2-pentanone	7.913	58	428055	190.718	ug/L	97
67) Tetrachloroethene	7.922	166	1856843	199.272	ug/L	98
69) trans-1,3-Dichloropropene	7.963	75	2396969	233.125	ug/L	98
71) Ethyl methacrylate	8.153	69	1736328	188.808	ug/L	92
72) 1,1,2-Trichloroethane	8.149	83	1106753	227.626	ug/L	93
73) Chlorodibromomethane	8.361	129	1908012	255.151	ug/L	99
74) 1,3-Dichloropropane	8.466	76	2352506	224.304	ug/L	98
75) 1,2-Dibromoethane	8.628	107	1351996	229.108	ug/L	99
77) 2-Hexanone	8.914	43	806188	165.667	ug/L	98
78) Chlorobenzene	9.276	112	5195880	203.134	ug/L	95
79) Ethylbenzene	9.321	91	9028582	201.635	ug/L	95
80) 1,1,1,2-Tetrachloroethane	9.366	131	1909802	237.784	ug/L	97
81) p/m Xylene	9.506	106	7575077	413.156	ug/L	91

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250523AICAL\
 Data File : VE250523A13.D
 Acq On : 23 May 2025 5:49 am
 Operator : ELAINE:JIC
 Sample : I8260STD200PPB
 Misc : WG2070650, ICAL (Sig #1); WG, ICAL22151 (Sig #2)
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: May 23 20:07:20 2025
 Quant Method : K:\Elaine\2025\250523AICAL\Elaine_250523A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri May 23 19:38:23 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250523AICAL\VE250523A09.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
82) o Xylene	10.054	106	7460480	406.164	ug/L	87
83) Styrene	10.126	104	12290879	402.758	ug/L	99
85) Bromoform	10.149	173	1176528	246.267	ug/L	97
87) Isopropylbenzene	10.451	105	9704106	195.958	ug/L	96
89) Bromobenzene	10.891	156	2250385	201.929	ug/L	97
90) n-Propylbenzene	10.944	91	11005751	185.856	ug/L	94
91) 1,4-Dichlorobutane	10.958	55	2524806	185.905	ug/L	99
92) 1,1,2,2-Tetrachloroethane	11.041	83	1440679	186.840	ug/L	100
93) 4-Ethyltoluene	11.076	105	9624865	191.776	ug/L	95
94) 2-Chlorotoluene	11.112	91	6654095M6	197.721	ug/L	
95) 1,3,5-Trimethylbenzene	11.178	105	8693565	203.780	ug/L	97
96) 1,2,3-Trichloropropane	11.173	75	1383931	209.966	ug/L	94
97) trans-1,4-Dichloro-2-b...	11.231	53	510004	184.525	ug/L #	73
98) 4-Chlorotoluene	11.301	91	6914423	192.603	ug/L	93
99) tert-Butylbenzene	11.521	119	7399050	196.697	ug/L	95
102) 1,2,4-Trimethylbenzene	11.605	105	8549726	203.173	ug/L	95
103) sec-Butylbenzene	11.715	105	10583506	192.833	ug/L	97
104) p-Isopropyltoluene	11.874	119	9515620	195.594	ug/L	99
105) 1,3-Dichlorobenzene	11.936	146	5028228	204.936	ug/L	98
106) 1,4-Dichlorobenzene	12.033	146	4980685	210.416	ug/L	100
107) p-Diethylbenzene	12.253	119	6015924	205.551	ug/L	99
108) n-Butylbenzene	12.310	91	7992726	199.203	ug/L	96
109) 1,2-Dichlorobenzene	12.455	146	4663937	201.720	ug/L	100
110) 1,2,4,5-Tetramethylben...	13.050	119	9041981	210.122	ug/L	100
111) 1,2-Dibromo-3-chloropr...	13.240	155	282826	195.042	ug/L	97
112) 1,3,5-Trichlorobenzene	13.275	180	3384102	208.324	ug/L	99
113) Hexachlorobutadiene	13.852	225	852799	174.306	ug/L	97
114) 1,2,4-Trichlorobenzene	13.874	180	2995124	203.184	ug/L	99
115) Naphthalene	14.165	128	6859449	199.648	ug/L	100
116) 1,2,3-Trichlorobenzene	14.332	180	2559717	194.996	ug/L	99

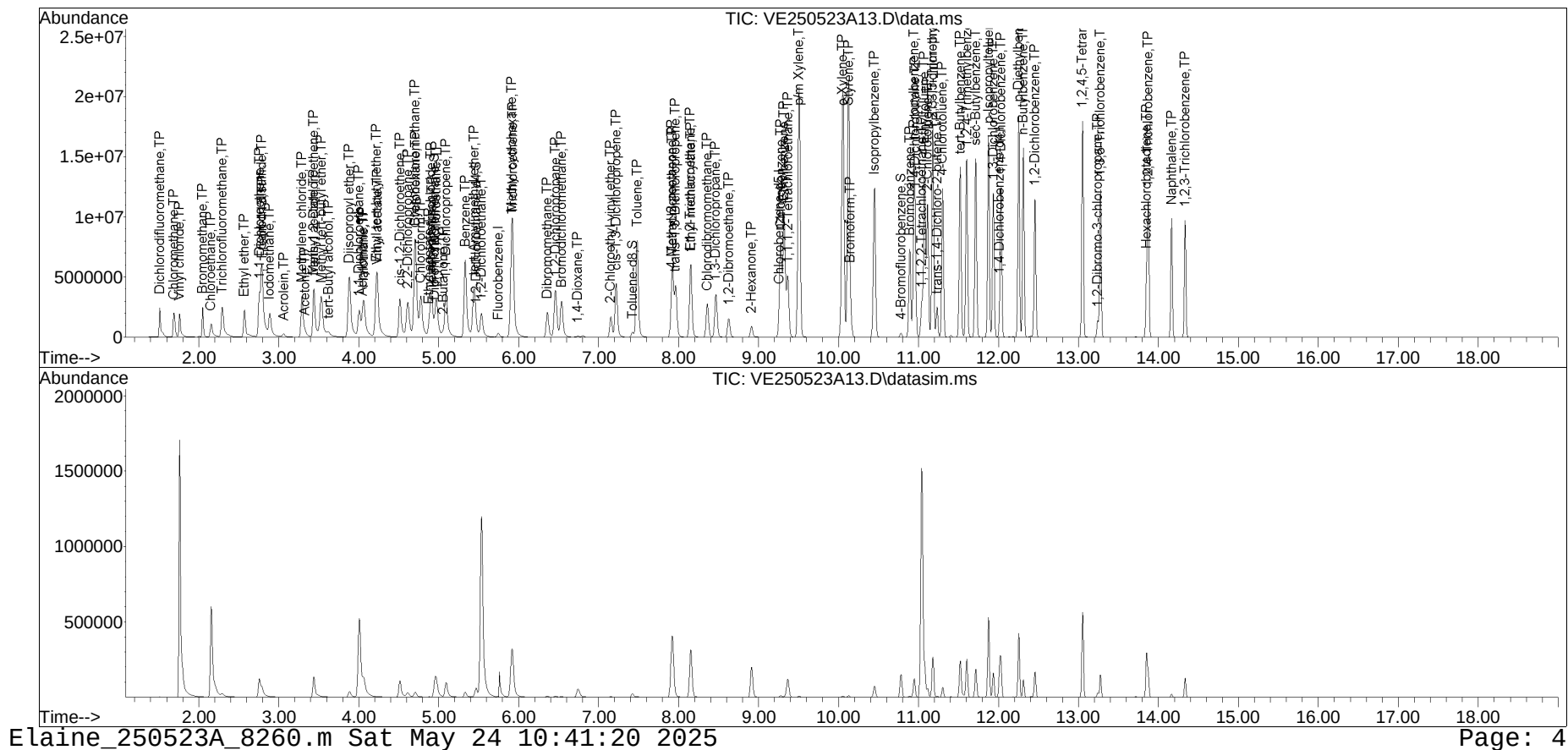
(#) = qualifier out of range (m) = manual integration (+) = signals summed

(QT Reviewed)

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Data Path   : K:\Elaine\2025\250523AICAL\
Data File  : VE250523A13.D
Acq On     : 23 May 2025    5:49 am
Operator   : ELAINE:JIC
Sample     : I8260STD200PPB
Misc       : WG2070650,ICAL (Sig #1); WG,ICAL22151 (Sig #2)
ALS Vial   : 13    Sample Multiplier: 1
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Quant Time: May 23 20:07:20 2025
Quant Method : K:\Elaine\2025\250523AICAL\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 19:38:23 2025
Response via : Initial Calibration

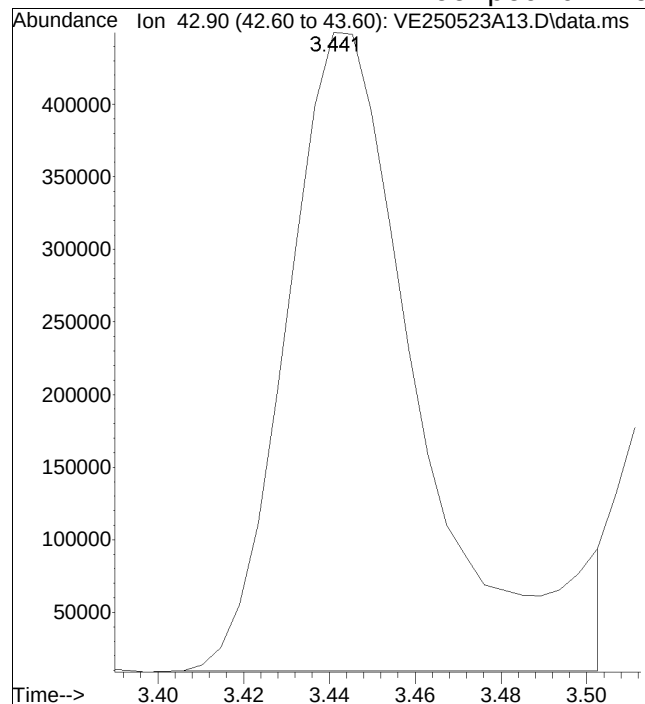
SOALLISTE(s) : 8260KCNE\aineN29251250503AD\Ak\VE250523A09.D•



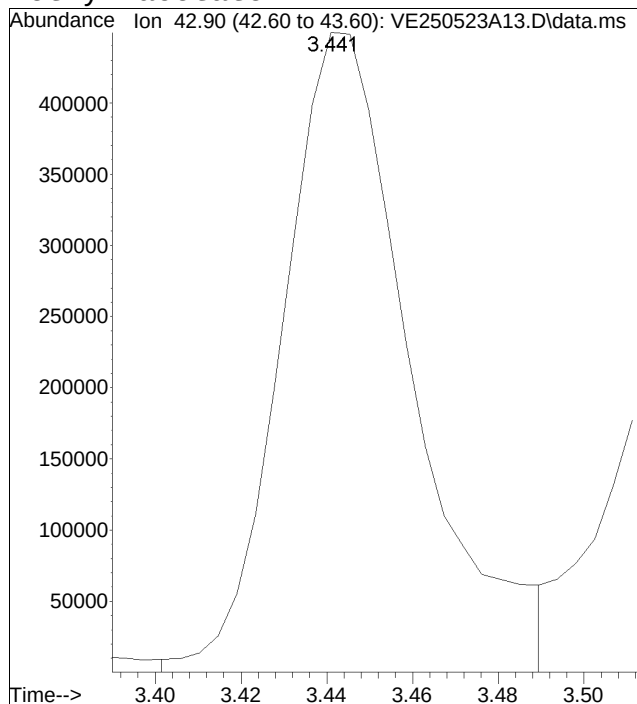
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQMethod : Elaine_250523A_8260.m
Data File : VE250523A13.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 5:49 am Instrument : Elaine
Sample : I8260STD200PPB Quant Date : 5/23/2025 7:39 pm

Compound #19: Methyl acetate



Original Peak Response = 944441
M6 = Misassignment of peak valley

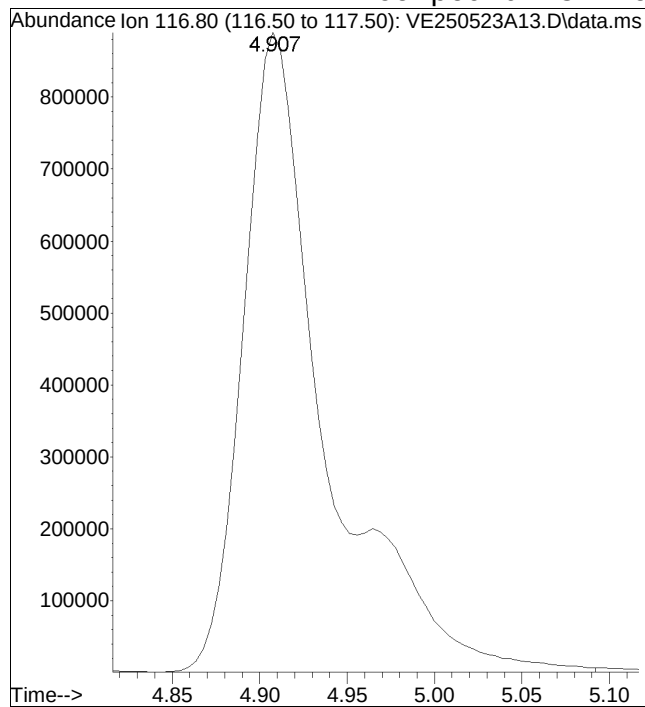


Manual Peak Response = 939730 M6

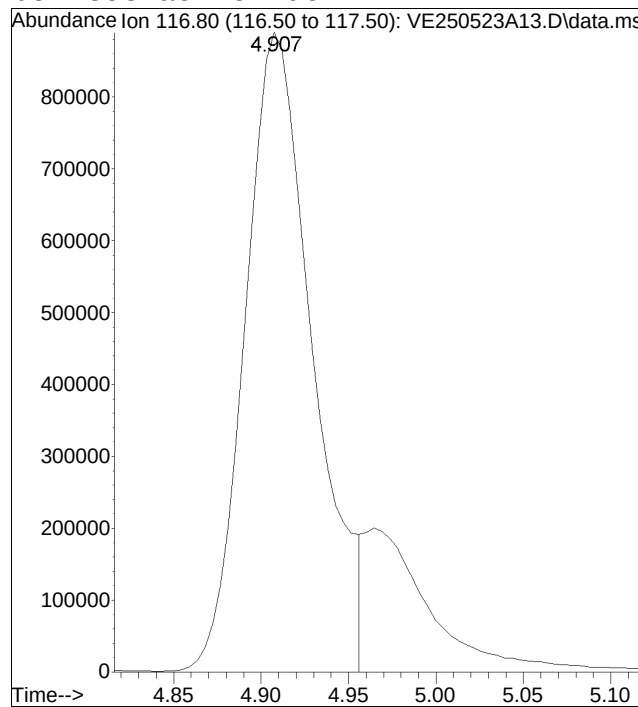
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQ Method : Elaine_250523A_8260.m
Data File : VE250523A13.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 5:49 am Instrument : Elaine
Sample : I8260STD200PPB Quant Date : 5/23/2025 7:39 pm

Compound #37: Carbon tetrachloride



Original Peak Response = 2906493
M6 = Misassignment of peak valley

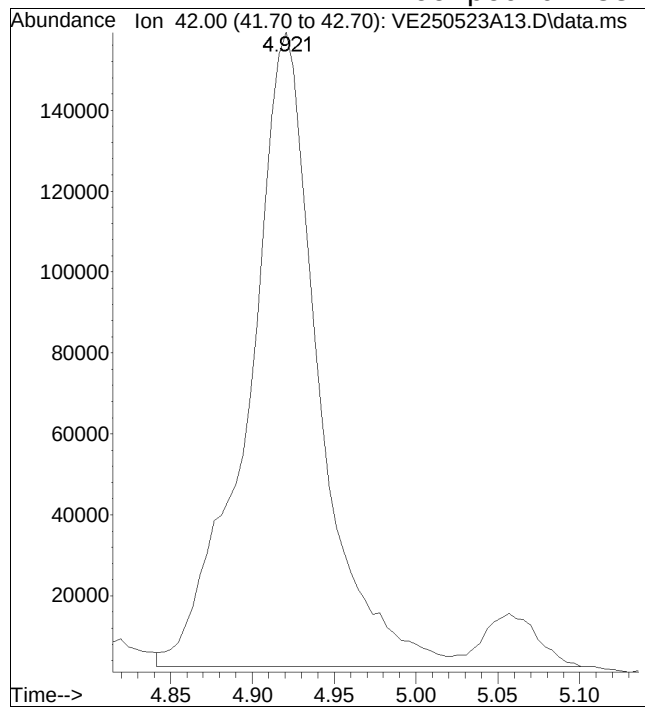


Manual Peak Response = 2401005 M6

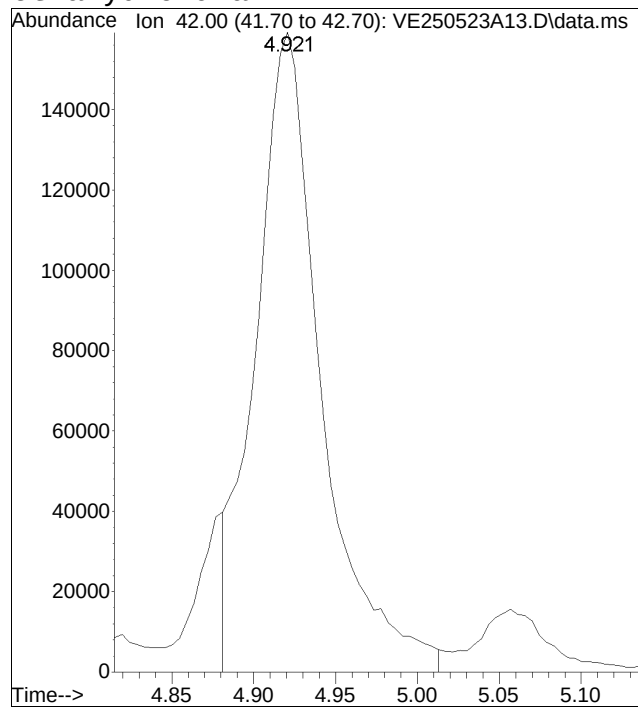
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICAL : Elaine_250523A_8260.m
Data File : VE250523A13.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 5:49 am Instrument : Elaine
Sample : I8260STD200PPB Quant Date : 5/23/2025 7:39 pm

Compound #38: Tetrahydrofuran



Original Peak Response = 498697
M6 = Misassignment of peak valley

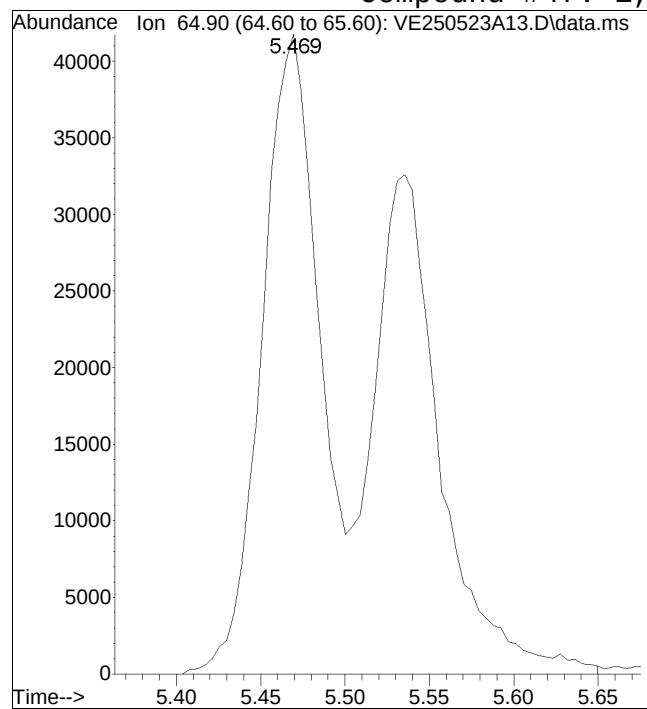


Manual Peak Response = 443044 M6

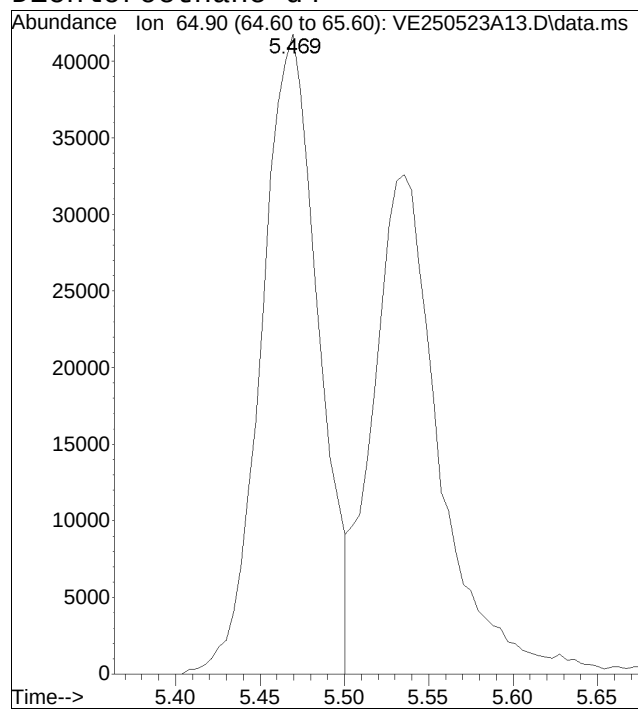
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQMethod : Elaine_250523A_8260.m
Data File : VE250523A13.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 5:49 am Instrument : Elaine
Sample : I8260STD200PPB Quant Date : 5/23/2025 7:39 pm

Compound #47: 1,2-Dichloroethane-d4



Original Peak Response = 187736
M6 = Misassignment of peak valley

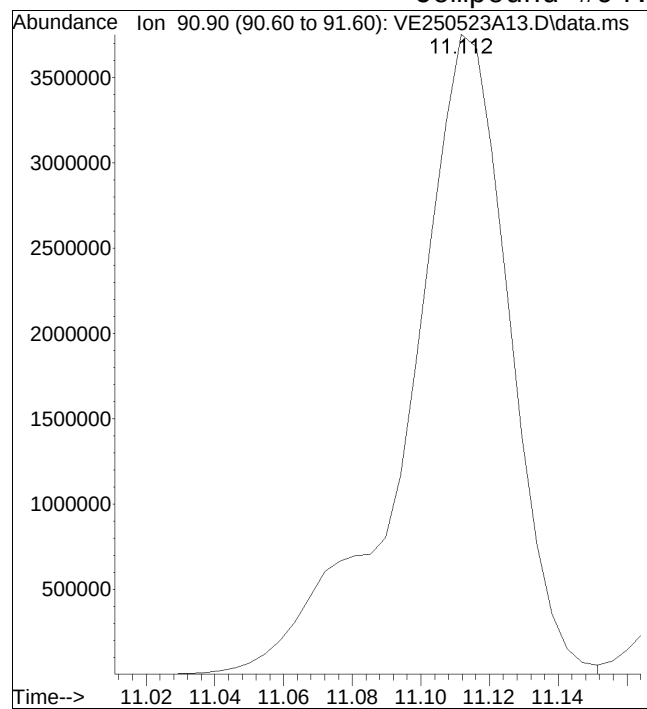


Manual Peak Response = 98030 M6

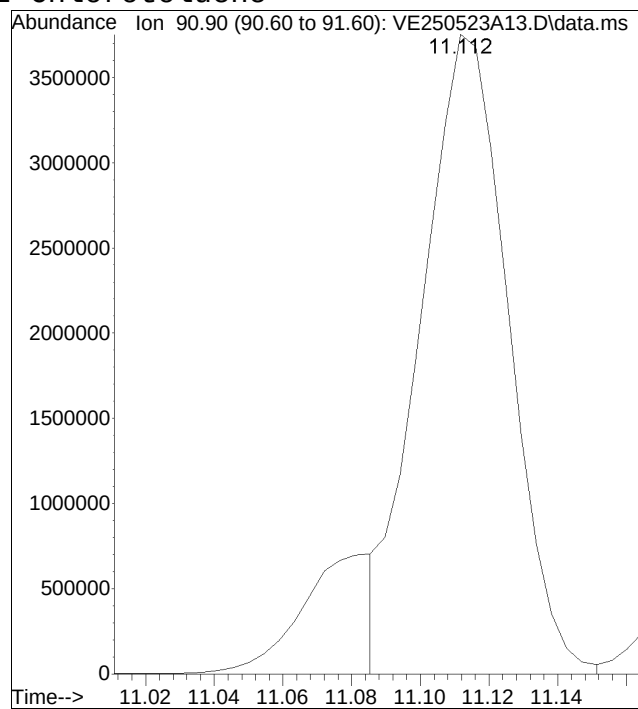
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICAL : Elaine_250523A_8260.m
Data File : VE250523A13.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 5:49 am Instrument : Elaine
Sample : I8260STD200PPB Quant Date : 5/23/2025 7:39 pm

Compound #94: 2-Chlorotoluene



Original Peak Response = 7662679
M6 = Misassignment of peak valley



Manual Peak Response = 6654095 M6

Evaluate Continuing Calibration Report

Data Path : K:\Elaine\2025\250523AICAL\
 Data File : VE250523A18.D
 Acq On : 23 May 2025 7:50 am
 Operator : ELAINE:JIC
 Sample : C8260STD10PPB
 Misc : WG2070650,ICAL (Sig #1); WG,ICAL22151 (Sig #2)
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: May 23 20:16:42 2025
 Quant Method : K:\Elaine\2025\250523AICAL\Elaine_250523A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri May 23 20:15:15 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	105	0.00
2 TP	Dichlorodifluoromethane	0.322	0.427	-32.6#	119	0.00
3 TP	Chloromethane	0.341	0.427	-25.2#	113	0.00
4 TP	Vinyl chloride	0.294	0.379	-28.9#	114	0.00
5 TP	Bromomethane	0.164	0.206	-25.6#	131	0.00
6 TP	Chloroethane	0.191	0.233	-22.0#	108	0.00
7 TP	Trichlorofluoromethane	0.383	0.471	-23.0#	112	0.00
8 TP	Ethyl ether	0.120	0.125	-4.2	100	0.00
10 TP	1,1-Dichloroethene	0.226	0.237	-4.9	97	0.00
11 TP	Carbon disulfide	0.713	0.688	3.5	90	0.00
12 TP	Freon-113	0.223	0.257	-15.2	105	0.00
13 TP	Iodomethane	0.353	0.360	-2.0	98	0.00
14 TP	Acrolein	0.035	0.031	11.4	88	0.00
15 TP	Methylene chloride	0.248	0.261	-5.2	97	0.00
17 TP	Acetone	0.055	0.055	0.0	107	0.00
18 TP	trans-1,2-Dichloroethene	0.231	0.261	-13.0	104	0.00
19 TP	Methyl acetate	0.133	0.131	1.5	95	0.00
21 TP	Methyl tert-butyl ether	0.527	0.472	10.4	94	0.00
22 TP	tert-Butyl alcohol	0.010	0.013	-30.0#	124	0.00
24 TP	Diisopropyl ether	0.825	0.790	4.2	96	0.00
25 TP	1,1-Dichloroethane	0.456	0.501	-9.9	100	0.00
26 TP	Halothane	0.171	0.190	-11.1	107	0.00
27 TP	Acrylonitrile	0.067	0.072	-7.5	102	0.00
28 TP	Ethyl tert-butyl ether	0.644	0.621	3.6	101	0.00
29 TP	Vinyl acetate	0.434	0.306	29.5#	76	0.00
30 TP	cis-1,2-Dichloroethene	0.267	0.288	-7.9	102	0.00
31 TP	2,2-Dichloropropane	0.354	0.360	-1.7	94	0.00
33 TP	Bromochloromethane	0.127	0.142	-11.8	105	0.00
34 TP	Cyclohexane	0.483	0.474	1.9	93	0.00
35 TP	Chloroform	0.425	0.458	-7.8	104	0.00
36 TP	Ethyl acetate	0.176	0.159	9.7	101	0.00
37 TP	Carbon tetrachloride	0.299	0.316	-5.7	100	0.00
38 TP	Tetrahydrofuran	0.063	0.058	7.9	97	0.00
39 S	Dibromofluoromethane	0.278	0.291	-4.7	104	0.00
40 TP	1,1,1-Trichloroethane	0.346	0.377	-9.0	104	0.00
42 TP	2-Butanone	0.080	0.070	12.5	96	0.00
43 TP	1,1-Dichloropropene	0.265	0.292	-10.2	111	0.00
45 TP	Benzene	0.909	0.910	-0.1	102	0.00
46 TP	tert-Amyl methyl ether	0.545	0.532	2.4	99	0.00

Evaluate Continuing Calibration Report

Data Path : K:\Elaine\2025\250523AICAL\
 Data File : VE250523A18.D
 Acq On : 23 May 2025 7:50 am
 Operator : ELAINE:JIC
 Sample : C8260STD10PPB
 Misc : WG2070650,ICAL (Sig #1); WG,ICAL22151 (Sig #2)
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: May 23 20:16:42 2025
 Quant Method : K:\Elaine\2025\250523AICAL\Elaine_250523A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri May 23 20:15:15 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
47 S	1,2-Dichloroethane-d4	0.276	0.294	-6.5	102	0.00
48 T	1,2-Dichloroethane	0.271	0.287	-5.9	101	0.00
51 TP	Methyl cyclohexane	0.410	0.403	1.7	98	0.00
52 TP	Trichloroethene	0.222	0.224	-0.9	105	0.00
54 TP	Dibromomethane	0.129	0.133	-3.1	104	0.00
55 TP	1,2-Dichloropropane	0.237	0.235	0.8	100	0.00
57 TP	2-Chloroethyl vinyl ether	0.107	0.102	4.7	94	0.00
58 TP	Bromodichloromethane	0.307	0.298#	2.9	100	0.00
61 TP	1,4-Dioxane	0.00113	0.00110#	2.7	88	0.00
62 TP	cis-1,3-Dichloropropene	0.341	0.336	1.5	102	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	106	0.00
64 S	Toluene-d8	1.260	1.247	1.0	102	0.00
65 TP	Toluene	0.730	0.750	-2.7	103	0.00
66 TP	4-Methyl-2-pentanone	0.072	0.068	5.6	93	0.00
67 TP	Tetrachloroethene	0.305	0.315	-3.3	105	0.00
69 TP	trans-1,3-Dichloropropene	0.354	0.342	3.4	103	0.00
71 TP	Ethyl methacrylate	0.305	0.340	-11.5	115	0.00
72 TP	1,1,2-Trichloroethane	0.176	0.157#	10.8	100	0.00
73 TP	Chlorodibromomethane	0.274	0.252	8.0	104	0.00
74 TP	1,3-Dichloropropane	0.371	0.348	6.2	103	0.00
75 TP	1,2-Dibromoethane	0.211	0.202	4.3	106	0.00
77 TP	2-Hexanone	0.164	0.148	9.8	94	0.00
78 TP	Chlorobenzene	0.853	0.872	-2.2	106	0.00
79 TP	Ethylbenzene	1.493	1.493	0.0	103	0.00
80 TP	1,1,1,2-Tetrachloroethane	0.281	0.261	7.1	101	0.00
81 TP	p/m Xylene	0.624	0.623	0.2	105	0.00
82 TP	o Xylene	0.617	0.622	-0.8	105	0.00
83 TP	Styrene	1.039	1.050	-1.1	107	0.00
84 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	104	0.00
85 TP	Bromoform	0.297	0.281	5.4	106	0.00
87 TP	Isopropylbenzene	2.756	2.847	-3.3	104	0.00
88 S	4-Bromofluorobenzene	0.806	0.838	-4.0	106	0.00
89 TP	Bromobenzene	0.630	0.658	-4.4	107	0.00
90 TP	n-Propylbenzene	3.248	3.373	-3.8	103	0.00
91 TP	1,4-Dichlorobutane	0.762	0.852	-11.8	114	0.00
92 TP	1,1,2,2-Tetrachloroethane	0.437	0.415	5.0	98	0.00
93 TP	4-Ethyltoluene	2.768	3.111	-12.4	112	0.00

Evaluate Continuing Calibration Report

Data Path : K:\Elaine\2025\250523AICAL\
 Data File : VE250523A18.D
 Acq On : 23 May 2025 7:50 am
 Operator : ELAINE:JIC
 Sample : C8260STD10PPB
 Misc : WG2070650, ICAL (Sig #1); WG, ICAL22151 (Sig #2)
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: May 23 20:16:42 2025
 Quant Method : K:\Elaine\2025\250523AICAL\Elaine_250523A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri May 23 20:15:15 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
94 TP	2-Chlorotoluene	1.927	1.917	0.5	103	0.00
95 TP	1,3,5-Trimethylbenzene	2.427	2.423	0.2	103	0.00
96 TP	1,2,3-Trichloropropane	0.380	0.378	0.5	104	0.00
97 TP	trans-1,4-Dichloro-2-butene	0.154	0.172	-11.7	112	0.00
98 TP	4-Chlorotoluene	2.002	2.024	-1.1	102	0.00
99 TP	tert-Butylbenzene	2.111	2.197	-4.1	106	0.00
102 TP	1,2,4-Trimethylbenzene	2.359	2.459	-4.2	106	0.00
103 TP	sec-Butylbenzene	3.030	3.143	-3.7	104	0.00
104 TP	p-Isopropyltoluene	2.689	2.818	-4.8	105	0.00
105 TP	1,3-Dichlorobenzene	1.393	1.429	-2.6	105	0.00
106 TP	1,4-Dichlorobenzene	1.374	1.396	-1.6	107	0.00
107 TP	p-Diethylbenzene	1.611	1.699	-5.5	105	0.00
108 TP	n-Butylbenzene	2.220	2.370	-6.8	107	0.00
109 TP	1,2-Dichlorobenzene	1.296	1.361	-5.0	107	0.00
110 TP	1,2,4,5-Tetramethylbenzene	2.509	2.761	-10.0	116	0.00
111 TP	1,2-Dibromo-3-chloropropane	0.079	0.087	-10.1	109	0.00
112 TP	1,3,5-Trichlorobenzene	0.943	0.914	3.1	102	0.00
113 TP	Hexachlorobutadiene	0.267	0.282	-5.6	105	0.00
114 TP	1,2,4-Trichlorobenzene	0.847	0.854	-0.8	105	0.00
115 TP	Naphthalene	1.978	2.044	-3.3	108	0.00
116 TP	1,2,3-Trichlorobenzene	0.759	0.787	-3.7	109	0.00

* Evaluation of CC level amount vs concentration.
 (#) = Out of Range SPCC's out = 3 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250523AICAL\
 Data File : VE250523A18.D
 Acq On : 23 May 2025 7:50 am
 Operator : ELAINE:JIC
 Sample : C8260STD10PPB
 Misc : WG2070650, ICAL (Sig #1); WG, ICAL22151 (Sig #2)
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: May 23 20:16:42 2025
 Quant Method : K:\Elaine\2025\250523AICAL\Elaine_250523A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri May 23 20:15:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250523AICAL\VE250523A09.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.746	96	290385M6	10.000	ug/L	0.00
Standard Area 1 = 275801			Recovery =	105.29%		
63) Chlorobenzene-d5	9.253	117	245650	10.000	ug/L	0.00
Standard Area 1 = 232323			Recovery =	105.74%		
84) 1,4-Dichlorobenzene-d4	12.010	152	135960	10.000	ug/L	0.00
Standard Area 1 = 130581			Recovery =	104.12%		
System Monitoring Compounds						
39) Dibromofluoromethane	4.947	113	84439	10.443	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	104.43%		
47) 1,2-Dichloroethane-d4	5.460	65	85341	10.660	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	106.60%		
64) Toluene-d8	7.420	98	306336	9.895	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	98.95%		
88) 4-Bromofluorobenzene	10.777	95	113987	10.401	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	104.01%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.513	85	124131	13.260	ug/L	99
3) Chloromethane	1.693	50	123895	12.496	ug/L	97
4) Vinyl chloride	1.764	62	110073	12.893	ug/L	99
5) Bromomethane	2.053	94	59724	12.577	ug/L	99
6) Chloroethane	2.163	64	67581	12.203	ug/L	97
7) Trichlorofluoromethane	2.295	101	136775	12.308	ug/L	100
8) Ethyl ether	2.576	74	36371	10.403	ug/L	91
10) 1,1-Dichloroethene	2.760	96	68854	10.499	ug/L	91
11) Carbon disulfide	2.791	76	199858	9.659	ug/L	100
12) Freon-113	2.791	101	74562	11.530	ug/L	96
13) Iodomethane	2.892	142	104530	10.209	ug/L	98
14) Acrolein	3.059	56	8962	8.803	ug/L	86
15) Methylene chloride	3.296	84	75649	10.517	ug/L	98
17) Acetone	3.327	43	15876M6	9.878	ug/L	
18) trans-1,2-Dichloroethene	3.441	96	75706	11.297	ug/L	94
19) Methyl acetate	3.441	43	38059M6	9.878	ug/L	
21) Methyl tert-butyl ether	3.529	73	137040	8.960	ug/L #	92
22) tert-Butyl alcohol	3.625	59	18870	63.614	ug/L #	100
24) Diisopropyl ether	3.884	45	229397	9.574	ug/L	98
25) 1,1-Dichloroethane	4.003	63	145386	10.991	ug/L	98
26) Halothane	4.064	117	55202	11.104	ug/L	100

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250523AICAL\
 Data File : VE250523A18.D
 Acq On : 23 May 2025 7:50 am
 Operator : ELAINE:JIC
 Sample : C8260STD10PPB
 Misc : WG2070650,ICAL (Sig #1); WG,ICAL22151 (Sig #2)
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: May 23 20:16:42 2025
 Quant Method : K:\Elaine\2025\250523AICAL\Elaine_250523A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri May 23 20:15:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250523AICAL\VE250523A09.D
 Sub List : 8260-Curve - Megamix plus Diox

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
27) Acrylonitrile	4.047	53	20974	10.746	ug/L	95
28) Ethyl tert-butyl ether	4.222	59	180278	9.635	ug/L	84
29) Vinyl acetate	4.236	43	88925	7.052	ug/L	98
30) cis-1,2-Dichloroethene	4.516	96	83762	10.792	ug/L	91
31) 2,2-Dichloropropane	4.613	77	104471	10.175	ug/L	93
33) Bromochloromethane	4.705	128	41173	11.128	ug/L	85
34) Cyclohexane	4.710	56	137674	9.818	ug/L	95
35) Chloroform	4.776	83	132953	10.767	ug/L	97
36) Ethyl acetate	4.885	43	46277	9.066	ug/L	99
37) Carbon tetrachloride	4.907	117	91772M6	10.558	ug/L	
38) Tetrahydrofuran	4.916	42	16746M6	9.224	ug/L	
40) 1,1,1-Trichloroethane	4.973	97	109469	10.893	ug/L	98
42) 2-Butanone	5.057	43	20342M6	8.775	ug/L	
43) 1,1-Dichloropropene	5.087	75	84800	11.037	ug/L	97
45) Benzene	5.329	78	264321	10.018	ug/L	98
46) tert-Amyl methyl ether	5.447	73	154448	9.756	ug/L	85
48) 1,2-Dichloroethane	5.531	62	83295	10.571	ug/L	98
51) Methyl cyclohexane	5.913	83	117111	9.835	ug/L	92
52) Trichloroethene	5.922	95	65051	10.078	ug/L	94
54) Dibromomethane	6.356	93	38562	10.259	ug/L	98
55) 1,2-Dichloropropane	6.456	63	68096	9.904	ug/L	98
57) 2-Chloroethyl vinyl ether	7.148	63	29513	9.468	ug/L	89
58) Bromodichloromethane	6.537	83	86409	9.707	ug/L	99
61) 1,4-Dioxane	6.741	88	16024	488.975	ug/L	93
62) cis-1,3-Dichloropropene	7.216	75	97431	9.830	ug/L	93
65) Toluene	7.479	92	184307	10.283	ug/L	99
66) 4-Methyl-2-pentanone	7.909	58	16595	9.325	ug/L	95
67) Tetrachloroethene	7.927	166	77274	10.319	ug/L	99
69) trans-1,3-Dichloropropene	7.963	75	84009	9.657	ug/L	94
71) Ethyl methacrylate	8.153	69	83641	11.174	ug/L	# 79
72) 1,1,2-Trichloroethane	8.148	83	38674	8.959	ug/L	93
73) Chlorodibromomethane	8.357	129	61831	9.179	ug/L	99
74) 1,3-Dichloropropane	8.465	76	85449	9.382	ug/L	96
75) 1,2-Dibromoethane	8.624	107	49522	9.550	ug/L	99
77) 2-Hexanone	8.913	43	36376	9.025	ug/L	94
78) Chlorobenzene	9.271	112	214245	10.223	ug/L	96
79) Ethylbenzene	9.316	91	366667	9.998	ug/L	97
80) 1,1,1,2-Tetrachloroethane	9.361	131	64170	9.298	ug/L	97
81) p/m Xylene	9.501	106	306058	19.968	ug/L	93
82) o Xylene	10.049	106	305616	20.148	ug/L	89

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250523AICAL\
 Data File : VE250523A18.D
 Acq On : 23 May 2025 7:50 am
 Operator : ELAINE:JIC
 Sample : C8260STD10PPB
 Misc : WG2070650,ICAL (Sig #1); WG,ICAL22151 (Sig #2)
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: May 23 20:16:42 2025
 Quant Method : K:\Elaine\2025\250523AICAL\Elaine_250523A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri May 23 20:15:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250523AICAL\VE250523A09.D
 Sub List : 8260-Curve - Megamix plus Diox

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
83)	Styrene	10.117	104	515629	20.202	ug/L	98
85)	Bromoform	10.140	173	38172	9.451	ug/L	96
87)	Isopropylbenzene	10.446	105	387075	10.330	ug/L	97
89)	Bromobenzene	10.887	156	89503	10.452	ug/L	100
90)	n-Propylbenzene	10.940	91	458661	10.387	ug/L	97
91)	1,4-Dichlorobutane	10.953	55	115839	11.188	ug/L	99
92)	1,1,2,2-Tetrachloroethane	11.036	83	56490	9.506	ug/L	99
93)	4-Ethyltoluene	11.067	105	422907	11.236	ug/L	98
94)	2-Chlorotoluene	11.107	91	260571M6	9.945	ug/L	
95)	1,3,5-Trimethylbenzene	11.169	105	329411	9.981	ug/L	97
96)	1,2,3-Trichloropropane	11.169	75	51414	9.958	ug/L	95
97)	trans-1,4-Dichloro-2-b...	11.230	53	23328	11.157	ug/L #	81
98)	4-Chlorotoluene	11.296	91	275192	10.108	ug/L	95
99)	tert-Butylbenzene	11.517	119	298715	10.410	ug/L	94
102)	1,2,4-Trimethylbenzene	11.596	105	334265	10.424	ug/L	96
103)	sec-Butylbenzene	11.711	105	427388	10.374	ug/L	100
104)	p-Isopropyltoluene	11.869	119	383123	10.478	ug/L	97
105)	1,3-Dichlorobenzene	11.931	146	194219	10.258	ug/L	99
106)	1,4-Dichlorobenzene	12.023	146	189751	10.156	ug/L	99
107)	p-Diethylbenzene	12.248	119	230940	10.546	ug/L	98
108)	n-Butylbenzene	12.305	91	322196	10.673	ug/L	98
109)	1,2-Dichlorobenzene	12.451	146	185071	10.507	ug/L	99
110)	1,2,4,5-Tetramethylben...	13.045	119	375374	11.002	ug/L	99
111)	1,2-Dibromo-3-chloropr...	13.235	155	11825	11.030	ug/L	97
112)	1,3,5-Trichlorobenzene	13.270	180	124314	9.693	ug/L	99
113)	Hexachlorobutadiene	13.847	225	38404	10.581	ug/L	98
114)	1,2,4-Trichlorobenzene	13.869	180	116150	10.085	ug/L	99
115)	Naphthalene	14.160	128	277848	10.331	ug/L	100
116)	1,2,3-Trichlorobenzene	14.332	180	106955	10.360	ug/L	98

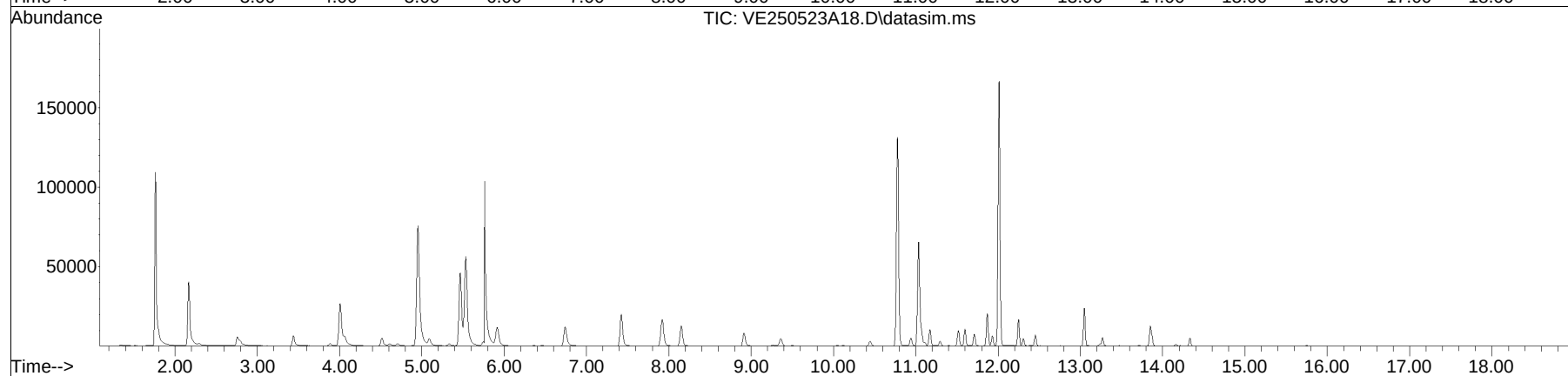
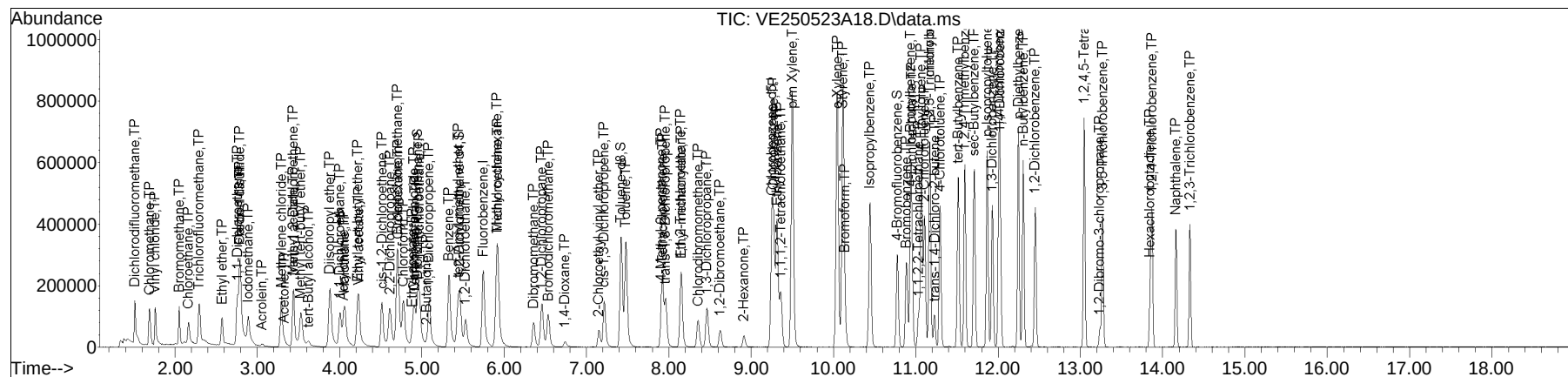
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250523AICAL\
 Data File : VE250523A18.D
 Acq On : 23 May 2025 7:50 am
 Operator : ELAINE:JIC
 Sample : C8260STD10PPB
 Misc : WG2070650,ICAL (Sig #1); WG,ICAL22151 (Sig #2)
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: May 23 20:16:42 2025
 Quant Method : K:\Elaine\2025\250523AICAL\Elaine_250523A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri May 23 20:15:15 2025
 Response via : Initial Calibration

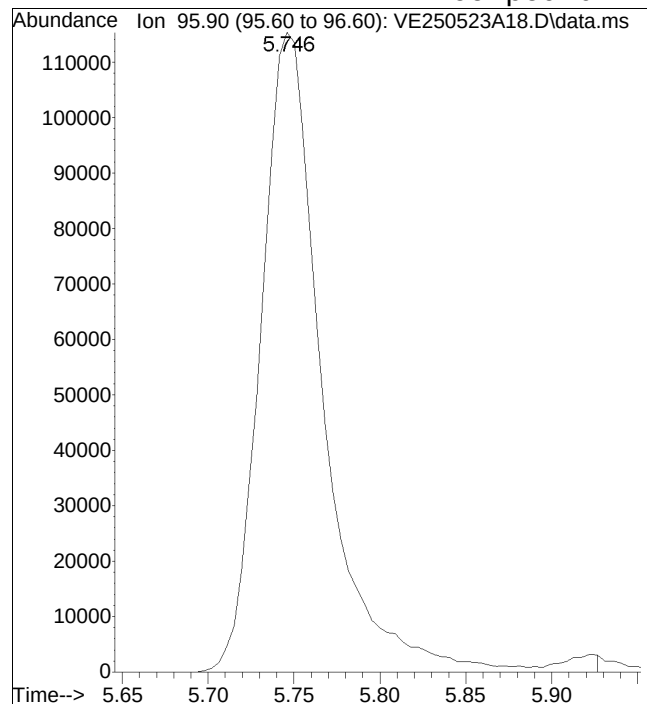
SOALLISTE(s) : 8260KCN\Elaine\2025\250523AICAL\VE250523A09.D•



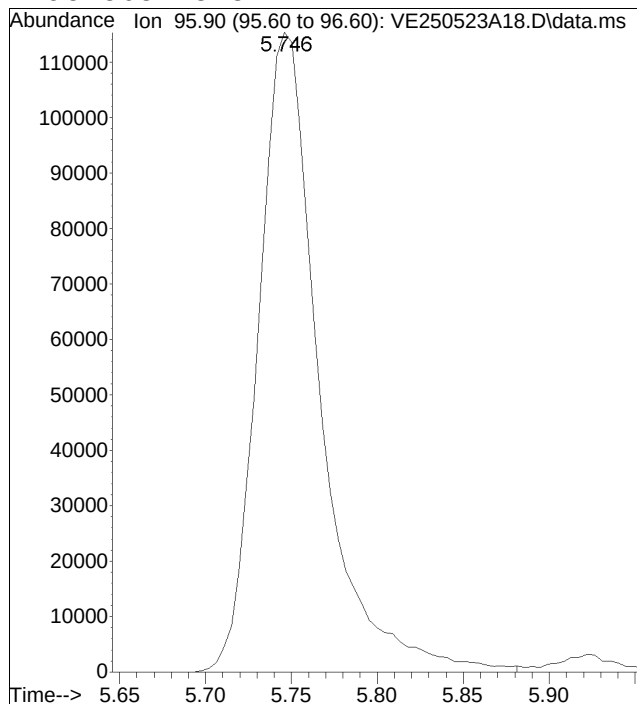
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQMethod : Elaine_250523A_8260.m
Data File : VE250523A18.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 7:50 am Instrument : Elaine
Sample : C8260STD10PPB Quant Date : 5/23/2025 8:16 pm

Compound #1: Fluorobenzene



Original Peak Response = 296642
M6 = Misassignment of peak valley

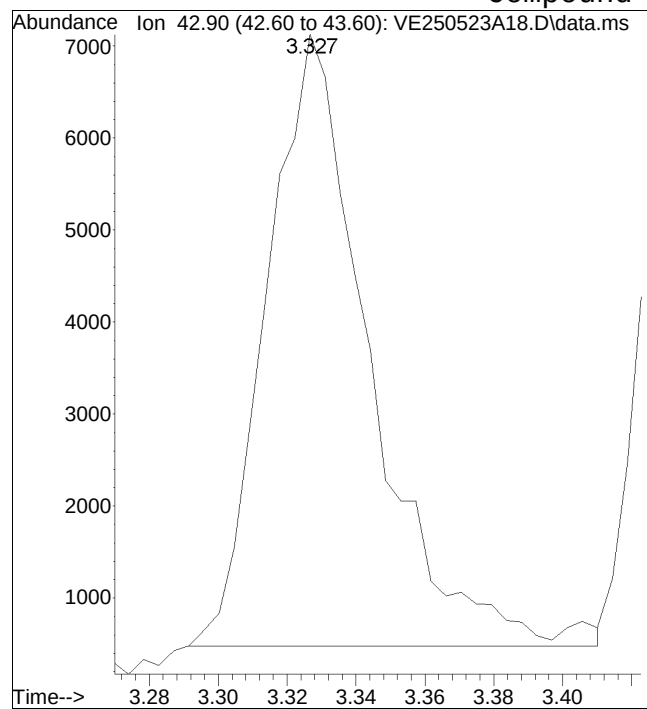


Manual Peak Response = 290385 M6

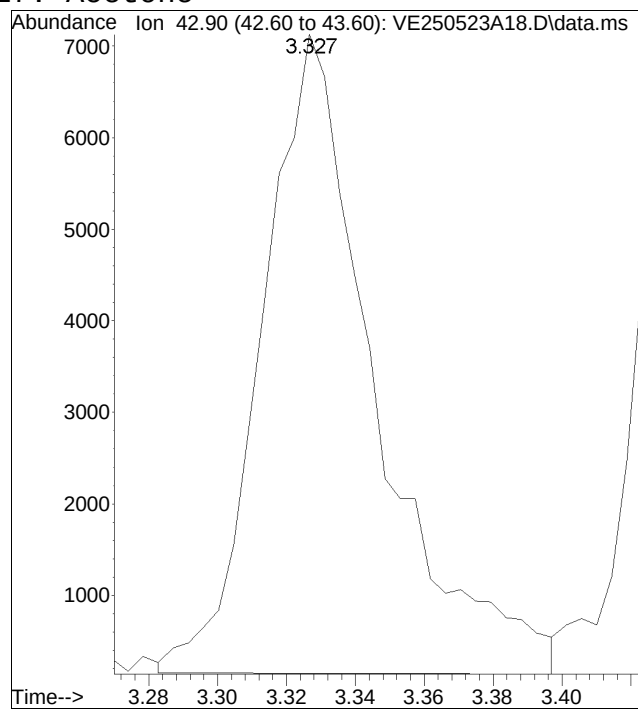
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQMethod : Elaine_250523A_8260.m
Data File : VE250523A18.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 7:50 am Instrument : Elaine
Sample : C8260STD10PPB Quant Date : 5/23/2025 8:16 pm

Compound #17: Acetone



Original Peak Response = 13782
M6 = Misassignment of peak valley

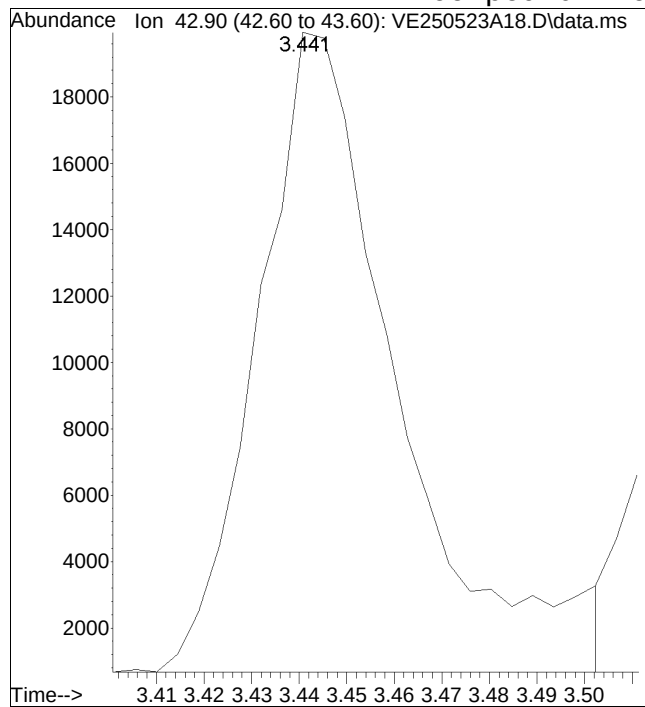


Manual Peak Response = 15876 M6

Manual Integration Report

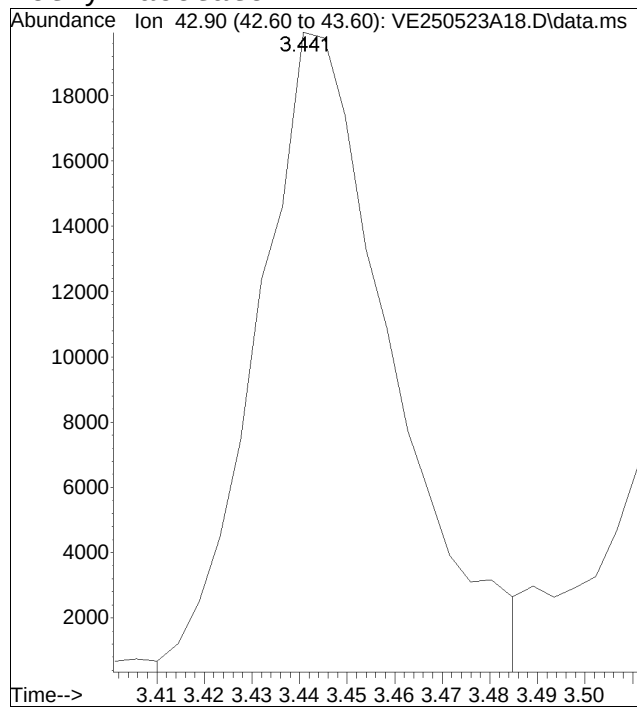
Data Path : K:\Elaine\2025\250523AICALQMethod : Elaine_250523A_8260.m
Data File : VE250523A18.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 7:50 am Instrument : Elaine
Sample : C8260STD10PPB Quant Date : 5/23/2025 8:16 pm

Compound #19: Methyl acetate



Original Peak Response = 38958

M6 = Misassignment of peak valley

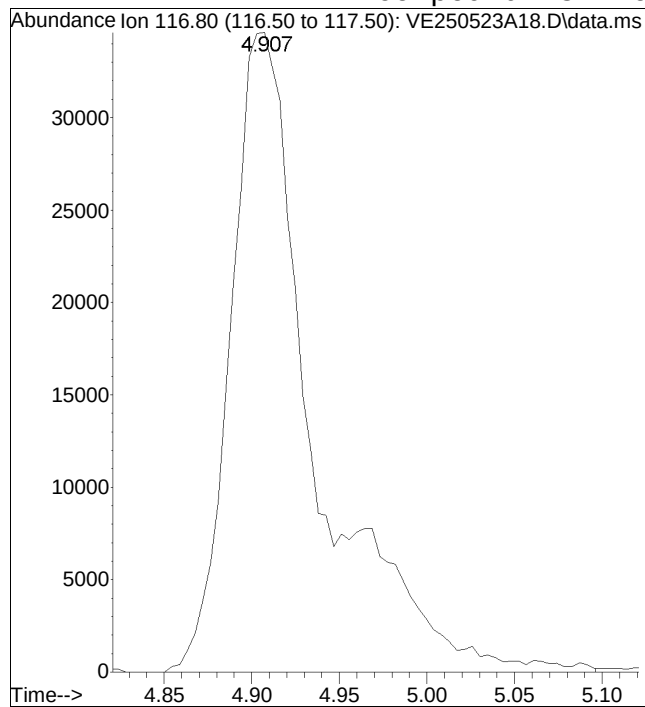


Manual Peak Response = 38059 M6

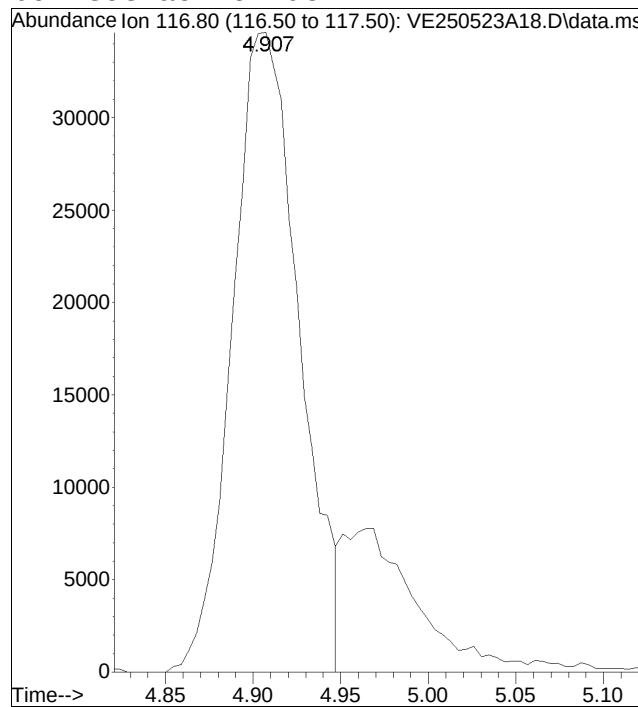
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQ Method : Elaine_250523A_8260.m
Data File : VE250523A18.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 7:50 am Instrument : Elaine
Sample : C8260STD10PPB Quant Date : 5/23/2025 8:16 pm

Compound #37: Carbon tetrachloride



Original Peak Response = 115340
M6 = Misassignment of peak valley

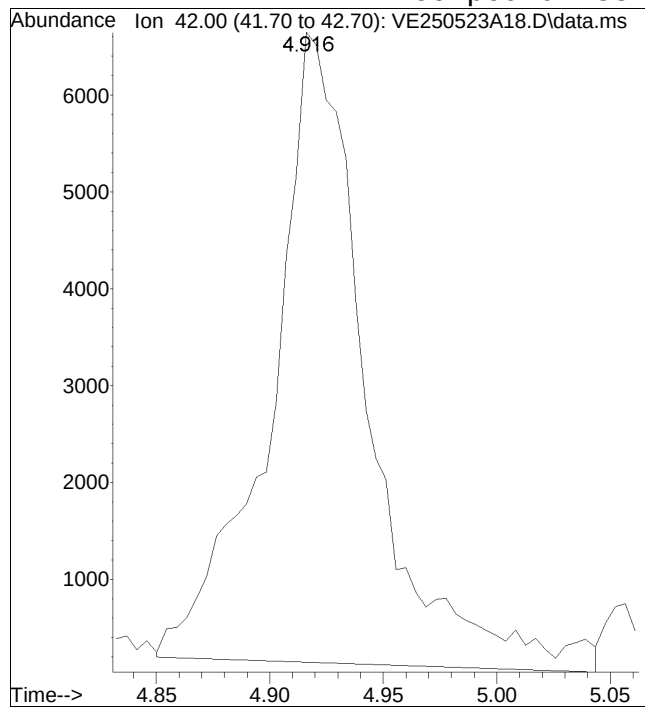


Manual Peak Response = 91772 M6

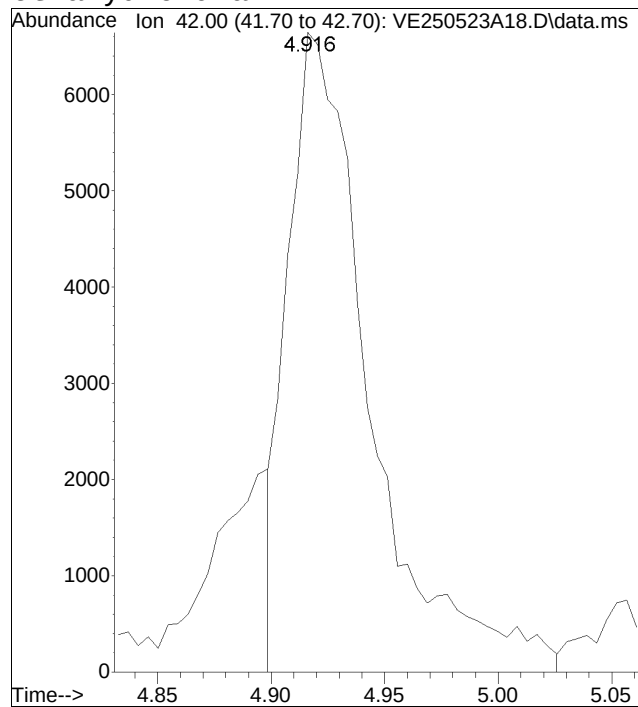
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICALQ Method : Elaine_250523A_8260.m
Data File : VE250523A18.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 7:50 am Instrument : Elaine
Sample : C8260STD10PPB Quant Date : 5/23/2025 8:16 pm

Compound #38: Tetrahydrofuran



Original Peak Response = 19404
M6 = Misassignment of peak valley

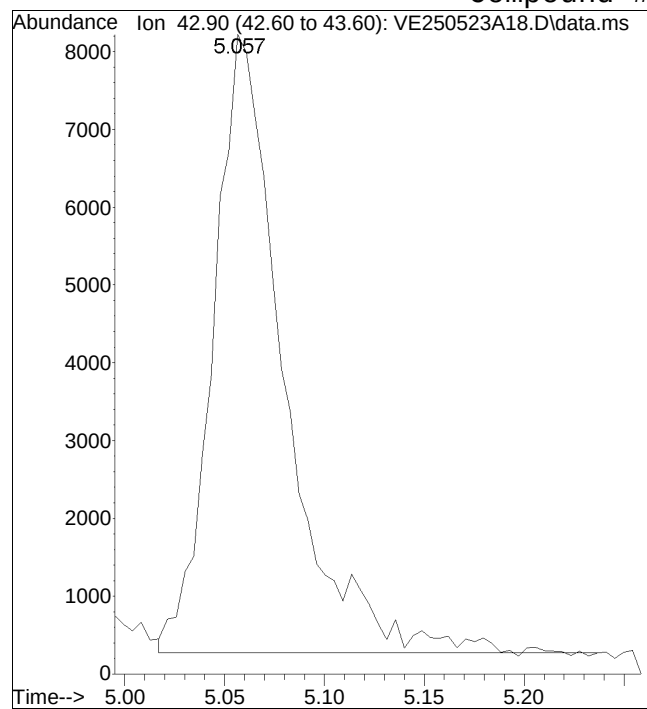


Manual Peak Response = 16746 M6

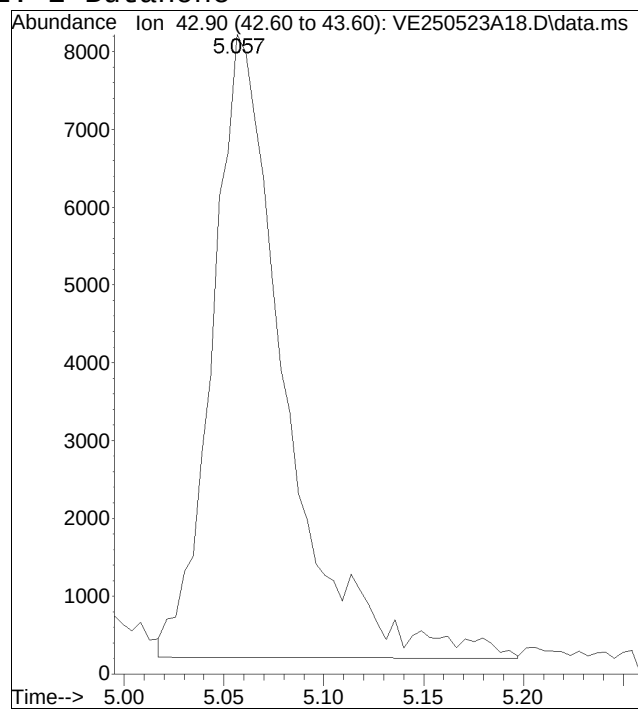
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICAL
Data File : VE250523A18.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 7:50 am Instrument : Elaine
Sample : C8260STD10PPB Quant Date : 5/23/2025 8:16 pm

Compound #42: 2-Butanone



Original Peak Response = 19708
M6 = Misassignment of peak valley

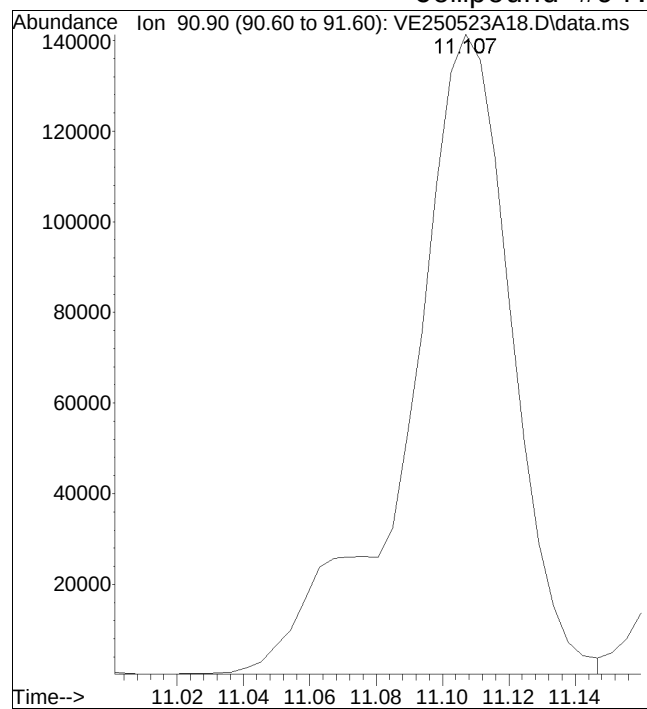


Manual Peak Response = 20342 M6

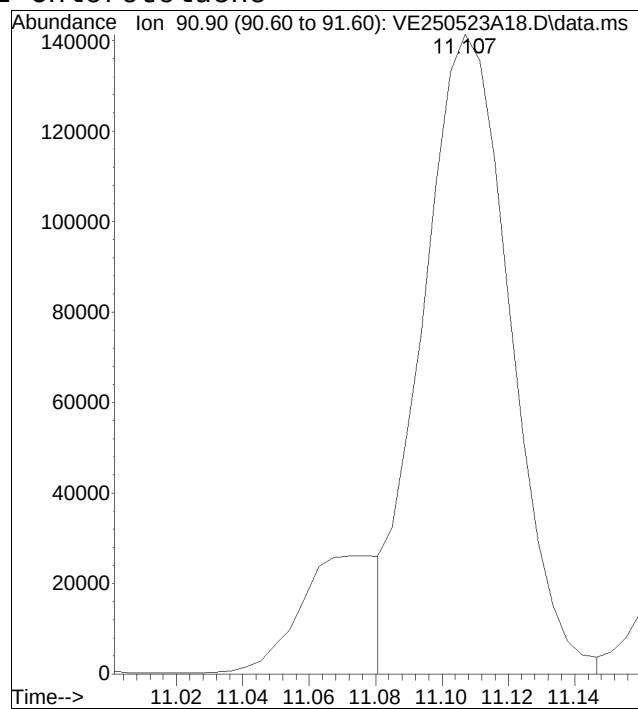
Manual Integration Report

Data Path : K:\Elaine\2025\250523AICAL : Elaine_250523A_8260.m
Data File : VE250523A18.D Operator : ELAINE:JIC
Date Inj'd : 5/23/2025 7:50 am Instrument : Elaine
Sample : C8260STD10PPB Quant Date : 5/23/2025 8:16 pm

Compound #94: 2-Chlorotoluene



Original Peak Response = 303142
M6 = Misassignment of peak valley



Manual Peak Response = 260571 M6

Continuing Calibration

Calibration Verification Summary

Form 7

Volatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM GROUNDWATER EVENT
 Instrument ID : ELAINE
 Lab File ID : VE250624N02
 Sample No : WG2084006-2
 Channel :

Lab Number : L2538805
 Project Number : 2232.0006Y005
 Calibration Date : 06/24/25 22:48
 Init. Calib. Date(s) : 05/23/25 05/23/25
 Init. Calib. Times : 01:46 05:49

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Fluorobenzene	1	1	-	0	20	102	0
Dichlorodifluoromethane	0.322	0.263	-	18.3	20	71	0
Chloromethane	0.341	0.269	-	21.1*	20	69	0
Vinyl chloride	0.294	0.309	-	-5.1	20	90	0
Bromomethane	0.164	0.155	-	5.5	20	95	0
Chloroethane	0.191	0.225	-	-17.8	20	101	-.01
Trichlorofluoromethane	0.383	0.445	-	-16.2	20	103	0
Ethyl ether	0.12	0.144	-	-20	20	112	0
1,1-Dichloroethene	0.226	0.256	-	-13.3	20	101	0
Carbon disulfide	0.713	0.779	-	-9.3	20	99	0
Freon-113	0.223	0.262	-	-17.5	20	104	0
Methylene chloride	0.248	0.264	-	-6.5	20	96	0
Acetone	0.055	0.057	-	-3.6	20	108	0
trans-1,2-Dichloroethene	0.231	0.236	-	-2.2	20	91	0
Methyl acetate	0.133	0.106	-	20.3*	20	75	0
Methyl tert-butyl ether	0.527	0.5	-	5.1	20	97	0
tert-Butyl alcohol	0.01	0.014	-	-40*	20	130	0
Diisopropyl ether	0.825	0.633	-	23.3*	20	75	0
1,1-Dichloroethane	0.456	0.468	-	-2.6	20	91	0
Halothane	0.171	0.188	-	-9.9	20	103	0
Acrylonitrile	0.067	0.068	-	-1.5	20	93	0
Ethyl tert-butyl ether	0.644	0.53	-	17.7	20	83	0
Vinyl acetate	0.434	0.323	-	25.6*	20	78	0
cis-1,2-Dichloroethene	0.267	0.266	-	0.4	20	91	0
2,2-Dichloropropane	0.354	0.287	-	18.9	20	73	0
Bromochloromethane	0.127	0.137	-	-7.9	20	99	0
Cyclohexane	0.483	0.449	-	7	20	85	0
Chloroform	0.425	0.429	-	-0.9	20	94	0
Ethyl acetate	0.176	0.151	-	14.2	20	93	0
Carbon tetrachloride	0.299	0.31	-	-3.7	20	95	0
Tetrahydrofuran	0.063	0.051	-	19	20	84	0
Dibromofluoromethane	0.278	0.294	-	-5.8	20	102	0
1,1,1-Trichloroethane	0.346	0.352	-	-1.7	20	94	0
2-Butanone	0.08	0.068	-	15	20	90	0
1,1-Dichloropropene	0.265	0.263	-	0.8	20	97	0
Benzene	0.909	0.893	-	1.8	20	97	0
tert-Amyl methyl ether	0.545	0.452	-	17.1	20	81	0
1,2-Dichloroethane-d4	0.276	0.306	-	-10.9	20	104	0
1,2-Dichloroethane	0.271	0.284	-	-4.8	20	97	0
Methyl cyclohexane	0.41	0.385	-	6.1	20	91	0
Trichloroethene	0.222	0.225	-	-1.4	20	102	0
Dibromomethane	0.129	0.135	-	-4.7	20	102	0
1,2-Dichloropropane	0.237	0.229	-	3.4	20	95	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Volatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM GROUNDWATER EVENT
 Instrument ID : ELAINE
 Lab File ID : VE250624N02
 Sample No : WG2084006-2
 Channel :

Lab Number : L2538805
 Project Number : 2232.0006Y005
 Calibration Date : 06/24/25 22:48
 Init. Calib. Date(s) : 05/23/25 05/23/25
 Init. Calib. Times : 01:46 05:49

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Bromodichloromethane	0.307	0.3*	-	2.3	20	97	0
1,4-Dioxane	0.00113	0.00166*	-	-46.9*	20	129	0
cis-1,3-Dichloropropene	0.341	0.325	-	4.7	20	96	0
Chlorobenzene-d5	1	1	-	0	20	100	0
Toluene-d8	1.26	1.278	-	-1.4	20	99	0
Toluene	0.73	0.729	-	0.1	20	95	0
4-Methyl-2-pentanone	0.072	0.064	-	11.1	20	84	0
Tetrachloroethene	0.305	0.333	-	-9.2	20	105	0
trans-1,3-Dichloropropene	0.354	0.318	-	10.2	20	90	0
Ethyl methacrylate	0.305	0.25	-	18	20	80	0
1,1,2-Trichloroethane	0.176	0.175*	-	0.6	20	105	0
Chlorodibromomethane	0.274	0.259	-	5.5	20	101	0
1,3-Dichloropropane	0.371	0.37	-	0.3	20	103	0
1,2-Dibromoethane	0.211	0.205	-	2.8	20	102	0
2-Hexanone	0.164	0.113	-	31.1*	20	68	0
Chlorobenzene	0.853	0.863	-	-1.2	20	99	0
Ethylbenzene	1.493	1.452	-	2.7	20	95	0
1,1,1,2-Tetrachloroethane	0.281	0.273	-	2.8	20	100	0
p/m Xylene	0.624	0.593	-	5	20	95	0
o Xylene	0.617	0.577	-	6.5	20	92	0
Styrene	1.039	0.98	-	5.7	20	94	0
1,4-Dichlorobenzene-d4	1	1	-	0	20	111	0
Bromoform	0.297	0.267	-	10.1	20	108	0
Isopropylbenzene	2.756	2.415	-	12.4	20	94	0
4-Bromofluorobenzene	0.806	0.713	-	11.5	20	96	0
Bromobenzene	0.63	0.594	-	5.7	20	103	0
n-Propylbenzene	3.248	2.949	-	9.2	20	96	0
1,4-Dichlorobutane	0.762	0.641	-	15.9	20	91	0
1,1,2,2-Tetrachloroethane	0.437	0.424	-	3	20	106	0
4-Ethyltoluene	2.768	2.42	-	12.6	20	93	0
2-Chlorotoluene	1.927	1.606	-	16.7	20	92	0
1,3,5-Trimethylbenzene	2.427	2.2	-	9.4	20	100	0
1,2,3-Trichloropropane	0.38	0.364	-	4.2	20	107	0
trans-1,4-Dichloro-2-buten	0.154	0.123	-	20.1*	20	86	0
4-Chlorotoluene	2.002	1.802	-	10	20	97	0
tert-Butylbenzene	2.111	1.89	-	10.5	20	97	0
1,2,4-Trimethylbenzene	2.359	2.18	-	7.6	20	100	0
sec-Butylbenzene	3.03	2.835	-	6.4	20	100	0
p-Isopropyltoluene	2.689	2.473	-	8	20	98	0
1,3-Dichlorobenzene	1.393	1.339	-	3.9	20	106	0
1,4-Dichlorobenzene	1.374	1.269	-	7.6	20	104	0
p-Diethylbenzene	1.611	1.465	-	9.1	20	97	0
n-Butylbenzene	2.22	2.155	-	2.9	20	104	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Volatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM GROUNDWATER EVENT
 Instrument ID : ELAINE
 Lab File ID : VE250624N02
 Sample No : WG2084006-2
 Channel :

Lab Number : L2538805
 Project Number : 2232.0006Y005
 Calibration Date : 06/24/25 22:48
 Init. Calib. Date(s) : 05/23/25 05/23/25
 Init. Calib. Times : 01:46 05:49

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,2-Dichlorobenzene	1.296	1.266	-	2.3	20	106	0
1,2,4,5-Tetramethylbenzene	2.509	2.19	-	12.7	20	99	0
1,2-Dibromo-3-chloropropan	0.079	0.08	-	-1.3	20	107	0
1,3,5-Trichlorobenzene	0.943	0.956	-	-1.4	20	114	0
Hexachlorobutadiene	0.267	0.305	-	-14.2	20	121	0
1,2,4-Trichlorobenzene	0.847	0.788	-	7	20	104	0
Naphthalene	1.978	1.656	-	16.3	20	93	0
1,2,3-Trichlorobenzene	0.759	0.73	-	3.8	20	108	0

* Value outside of QC limits.



Evaluate Continuing Calibration Report

Data Path : K:\Elaine\2025\250624A\
 Data File : VE250624N02.D
 Acq On : 24 Jun 2025 10:48 pm
 Operator : ELAINE:TMS
 Sample : WG2084006-2 (Sig #1); 8260 CCAL (Sig #2)
 Misc : WG2084006, ICAL22314 (Sig #1); WG, ICAL22314 (Sig #2)
 ALS Vial : 31 Sample Multiplier: 1

Quant Time: Jun 24 23:32:30 2025
 Quant Method : K:\Elaine\2025\250624A\Elaine_250523A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri May 23 20:15:15 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	Fluorobenzene	1.000	1.000	0.0	102	0.00
2 TP	Dichlorodifluoromethane	0.322	0.263	18.3	71	0.00
3 TP	Chloromethane	0.341	0.269	21.1#	69	0.00
4 TP	Vinyl chloride	0.294	0.309	-5.1	90	0.00
5 TP	Bromomethane	0.164	0.155	5.5	95	0.00
6 TP	Chloroethane	0.191	0.225	-17.8	101	-0.01
7 TP	Trichlorofluoromethane	0.383	0.445	-16.2	103	0.00
8 TP	Ethyl ether	0.120	0.144	-20.0	112	0.00
10 TP	1,1-Dichloroethene	0.226	0.256	-13.3	101	0.00
11 TP	Carbon disulfide	0.713	0.779	-9.3	99	0.00
12 TP	Freon-113	0.223	0.262	-17.5	104	0.00
15 TP	Methylene chloride	0.248	0.264	-6.5	96	0.00
17 TP	Acetone	0.055	0.057	-3.6	108	0.00
18 TP	trans-1,2-Dichloroethene	0.231	0.236	-2.2	91	0.00
19 TP	Methyl acetate	0.133	0.106	20.3#	75	0.00
21 TP	Methyl tert-butyl ether	0.527	0.500	5.1	97	0.00
22 TP	tert-Butyl alcohol	0.010	0.014	-40.0#	130	0.00
24 TP	Diisopropyl ether	0.825	0.633	23.3#	75	0.00
25 TP	1,1-Dichloroethane	0.456	0.468	-2.6	91	0.00
26 TP	Halothane	0.171	0.188	-9.9	103	0.00
27 TP	Acrylonitrile	0.067	0.068	-1.5	93	0.00
28 TP	Ethyl tert-butyl ether	0.644	0.530	17.7	83	0.00
29 TP	Vinyl acetate	0.434	0.323	25.6#	78	0.00
30 TP	cis-1,2-Dichloroethene	0.267	0.266	0.4	91	0.00
31 TP	2,2-Dichloropropane	0.354	0.287	18.9	73	0.00
33 TP	Bromochloromethane	0.127	0.137	-7.9	99	0.00
34 TP	Cyclohexane	0.483	0.449	7.0	85	0.00
35 TP	Chloroform	0.425	0.429	-0.9	94	0.00
36 TP	Ethyl acetate	0.176	0.151	14.2	93	0.00
37 TP	Carbon tetrachloride	0.299	0.310	-3.7	95	0.00
38 TP	Tetrahydrofuran	0.063	0.051	19.0	84	0.00
39 S	Dibromofluoromethane	0.278	0.294	-5.8	102	0.00
40 TP	1,1,1-Trichloroethane	0.346	0.352	-1.7	94	0.00
42 TP	2-Butanone	0.080	0.068	15.0	90	0.00
43 TP	1,1-Dichloropropene	0.265	0.263	0.8	97	0.00
45 TP	Benzene	0.909	0.893	1.8	97	0.00
46 TP	tert-Amyl methyl ether	0.545	0.452	17.1	81	0.00
47 S	1,2-Dichloroethane-d4	0.276	0.306	-10.9	104	0.00
48 T	1,2-Dichloroethane	0.271	0.284	-4.8	97	0.00

Evaluate Continuing Calibration Report

Data Path : K:\Elaine\2025\250624A\
 Data File : VE250624N02.D
 Acq On : 24 Jun 2025 10:48 pm
 Operator : ELAINE:TMS
 Sample : WG2084006-2 (Sig #1); 8260 CCAL (Sig #2)
 Misc : WG2084006, ICAL22314 (Sig #1); WG, ICAL22314 (Sig #2)
 ALS Vial : 31 Sample Multiplier: 1

Quant Time: Jun 24 23:32:30 2025
 Quant Method : K:\Elaine\2025\250624A\Elaine_250523A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri May 23 20:15:15 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
51 TP	Methyl cyclohexane	0.410	0.385	6.1	91	0.00
52 TP	Trichloroethene	0.222	0.225	-1.4	102	0.00
54 TP	Dibromomethane	0.129	0.135	-4.7	102	0.00
55 TP	1,2-Dichloropropane	0.237	0.229	3.4	95	0.00
58 TP	Bromodichloromethane	0.307	0.300#	2.3	97	0.00
61 TP	1,4-Dioxane	0.00113	0.00166#	-46.9#	129	0.00
62 TP	cis-1,3-Dichloropropene	0.341	0.325	4.7	96	0.00
63 I	Chlorobenzene-d5	1.000	1.000	0.0	100	0.00
64 S	Toluene-d8	1.260	1.278	-1.4	99	0.00
65 TP	Toluene	0.730	0.729	0.1	95	0.00
66 TP	4-Methyl-2-pentanone	0.072	0.064	11.1	84	0.00
67 TP	Tetrachloroethene	0.305	0.333	-9.2	105	0.00
69 TP	trans-1,3-Dichloropropene	0.354	0.318	10.2	90	0.00
71 TP	Ethyl methacrylate	0.305	0.250	18.0	80	0.00
72 TP	1,1,2-Trichloroethane	0.176	0.175#	0.6	105	0.00
73 TP	Chlorodibromomethane	0.274	0.259	5.5	101	0.00
74 TP	1,3-Dichloropropane	0.371	0.370	0.3	103	0.00
75 TP	1,2-Dibromoethane	0.211	0.205	2.8	102	0.00
77 TP	2-Hexanone	0.164	0.113	31.1#	68	0.00
78 TP	Chlorobenzene	0.853	0.863	-1.2	99	0.00
79 TP	Ethylbenzene	1.493	1.452	2.7	95	0.00
80 TP	1,1,1,2-Tetrachloroethane	0.281	0.273	2.8	100	0.00
81 TP	p/m Xylene	0.624	0.593	5.0	95	0.00
82 TP	o Xylene	0.617	0.577	6.5	92	0.00
83 TP	Styrene	1.039	0.980	5.7	94	0.00
84 I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	111	0.00
85 TP	Bromoform	0.297	0.267	10.1	108	0.00
87 TP	Isopropylbenzene	2.756	2.415	12.4	94	0.00
88 S	4-Bromofluorobenzene	0.806	0.713	11.5	96	0.00
89 TP	Bromobenzene	0.630	0.594	5.7	103	0.00
90 TP	n-Propylbenzene	3.248	2.949	9.2	96	0.00
91 TP	1,4-Dichlorobutane	0.762	0.641	15.9	91	0.00
92 TP	1,1,2,2-Tetrachloroethane	0.437	0.424	3.0	106	0.00
93 TP	4-Ethyltoluene	2.768	2.420	12.6	93	0.00
94 TP	2-Chlorotoluene	1.927	1.606	16.7	92	0.00
95 TP	1,3,5-Trimethylbenzene	2.427	2.200	9.4	100	0.00
96 TP	1,2,3-Trichloropropane	0.380	0.364	4.2	107	0.00

Evaluate Continuing Calibration Report

Data Path : K:\Elaine\2025\250624A\
 Data File : VE250624N02.D
 Acq On : 24 Jun 2025 10:48 pm
 Operator : ELAINE:TMS
 Sample : WG2084006-2 (Sig #1); 8260 CCAL (Sig #2)
 Misc : WG2084006, ICAL22314 (Sig #1); WG, ICAL22314 (Sig #2)
 ALS Vial : 31 Sample Multiplier: 1

Quant Time: Jun 24 23:32:30 2025
 Quant Method : K:\Elaine\2025\250624A\Elaine_250523A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri May 23 20:15:15 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
97 TP	trans-1,4-Dichloro-2-butene	0.154	0.123	20.1#	86	0.00
98 TP	4-Chlorotoluene	2.002	1.802	10.0	97	0.00
99 TP	tert-Butylbenzene	2.111	1.890	10.5	97	0.00
102 TP	1,2,4-Trimethylbenzene	2.359	2.180	7.6	100	0.00
103 TP	sec-Butylbenzene	3.030	2.835	6.4	100	0.00
104 TP	p-Isopropyltoluene	2.689	2.473	8.0	98	0.00
105 TP	1,3-Dichlorobenzene	1.393	1.339	3.9	106	0.00
106 TP	1,4-Dichlorobenzene	1.374	1.269	7.6	104	0.00
107 TP	p-Diethylbenzene	1.611	1.465	9.1	97	0.00
108 TP	n-Butylbenzene	2.220	2.155	2.9	104	0.00
109 TP	1,2-Dichlorobenzene	1.296	1.266	2.3	106	0.00
110 TP	1,2,4,5-Tetramethylbenzene	2.509	2.190	12.7	99	0.00
111 TP	1,2-Dibromo-3-chloropropane	0.079	0.080	-1.3	107	0.00
112 TP	1,3,5-Trichlorobenzene	0.943	0.956	-1.4	114	0.00
113 TP	Hexachlorobutadiene	0.267	0.305	-14.2	121	0.00
114 TP	1,2,4-Trichlorobenzene	0.847	0.788	7.0	104	0.00
115 TP	Naphthalene	1.978	1.656	16.3	93	0.00
116 TP	1,2,3-Trichlorobenzene	0.759	0.730	3.8	108	0.00

 * Evaluation of CC level amount vs concentration.
 (#) = Out of Range SPCC's out = 3 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250624A\
 Data File : VE250624N02.D
 Acq On : 24 Jun 2025 10:48 pm
 Operator : ELAINE:TMS
 Sample : WG2084006-2 (Sig #1); 8260 CCAL (Sig #2)
 Misc : WG2084006, ICAL22314 (Sig #1); WG, ICAL22314 (Sig #2)
 ALS Vial : 31 Sample Multiplier: 1

Quant Time: Jun 24 23:32:30 2025
 Quant Method : K:\Elaine\2025\250624A\Elaine_250523A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri May 23 20:15:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250624A\VE250624N02.D
 Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.746	96	281780	10.000	ug/L	0.00
Standard Area 1 = 281780			Recovery	=	100.00%	
63) Chlorobenzene-d5	9.253	117	232207	10.000	ug/L	0.00
Standard Area 1 = 232207			Recovery	=	100.00%	
84) 1,4-Dichlorobenzene-d4	12.010	152	145386	10.000	ug/L	0.00
Standard Area 1 = 145386			Recovery	=	100.00%	
System Monitoring Compounds						
39) Dibromofluoromethane	4.947	113	82970	10.575	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	105.75%	
47) 1,2-Dichloroethane-d4	5.465	65	86245	11.102	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	111.02%	
64) Toluene-d8	7.420	98	296850	10.144	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	101.44%	
88) 4-Bromofluorobenzene	10.777	95	103615	8.841	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	88.41%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.509	85	74174	8.165	ug/L	98
3) Chloromethane	1.698	50	75866	7.885	ug/L	100
4) Vinyl chloride	1.759	62	87156	10.520	ug/L	99
5) Bromomethane	2.049	94	43595	9.461	ug/L	99
6) Chloroethane	2.154	64	63415	11.800	ug/L	98
7) Trichlorofluoromethane	2.286	101	125373	11.627	ug/L	96
8) Ethyl ether	2.572	74	40714	12.001	ug/L	86
10) 1,1-Dichloroethene	2.756	96	72109	11.331	ug/L	87
11) Carbon disulfide	2.782	76	219509	10.932	ug/L	99
12) Freon-113	2.791	101	73879	11.773	ug/L	98
15) Methylene chloride	3.292	84	74468	10.669	ug/L	89
17) Acetone	3.327	43	15966	10.237	ug/L	99
18) trans-1,2-Dichloroethene	3.437	96	66635	10.247	ug/L	91
19) Methyl acetate	3.445	43	29761M1	7.960	ug/L	
21) Methyl tert-butyl ether	3.537	73	140823	9.489	ug/L #	94
22) tert-Butyl alcohol	3.630	59	19844	68.940	ug/L #	100
24) Diisopropyl ether	3.884	45	178373	7.671	ug/L	97
25) 1,1-Dichloroethane	4.007	63	131986	10.283	ug/L	99
26) Halothane	4.060	117	52887	10.964	ug/L	97
27) Acrylonitrile	4.047	53	19167	10.120	ug/L	96
28) Ethyl tert-butyl ether	4.222	59	149300	8.223	ug/L	90

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250624A\
 Data File : VE250624N02.D
 Acq On : 24 Jun 2025 10:48 pm
 Operator : ELAINE:TMS
 Sample : WG2084006-2 (Sig #1); 8260 CCAL (Sig #2)
 Misc : WG2084006, ICAL22314 (Sig #1); WG, ICAL22314 (Sig #2)
 ALS Vial : 31 Sample Multiplier: 1

Quant Time: Jun 24 23:32:30 2025
 Quant Method : K:\Elaine\2025\250624A\Elaine_250523A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri May 23 20:15:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250624A\VE250624N02.D
 Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Vinyl acetate	4.236	43	90905	7.429	ug/L	97
30) cis-1,2-Dichloroethene	4.517	96	74972	9.955	ug/L	89
31) 2,2-Dichloropropane	4.609	77	80857	8.116	ug/L	90
33) Bromochloromethane	4.705	128	38635	10.761	ug/L #	80
34) Cyclohexane	4.705	56	126395	9.289	ug/L	90
35) Chloroform	4.776	83	120883	10.089	ug/L	97
36) Ethyl acetate	4.881	43	42689	8.619	ug/L	98
37) Carbon tetrachloride	4.907	117	87368M1	10.359	ug/L	
38) Tetrahydrofuran	4.921	42	14438	8.196	ug/L	90
40) 1,1,1-Trichloroethane	4.969	97	99227	10.175	ug/L	98
42) 2-Butanone	5.057	43	19068	8.477	ug/L	96
43) 1,1-Dichloropropene	5.087	75	74158	9.946	ug/L	98
45) Benzene	5.333	78	251718	9.832	ug/L	97
46) tert-Amyl methyl ether	5.443	73	127229	8.282	ug/L	96
48) 1,2-Dichloroethane	5.535	62	79942	10.456	ug/L	99
51) Methyl cyclohexane	5.909	83	108478	9.388	ug/L	90
52) Trichloroethene	5.922	95	63309	10.108	ug/L	94
54) Dibromomethane	6.356	93	38062	10.435	ug/L	95
55) 1,2-Dichloropropane	6.461	63	64573	9.678	ug/L	99
58) Bromodichloromethane	6.533	83	84468	9.779	ug/L	97
61) 1,4-Dioxane	6.746	88	23405	736.018	ug/L #	90
62) cis-1,3-Dichloropropene	7.216	75	91582	9.522	ug/L	94
65) Toluene	7.479	92	169312	9.993	ug/L	100
66) 4-Methyl-2-pentanone	7.913	58	14958	8.892	ug/L	94
67) Tetrachloroethene	7.922	166	77408	10.936	ug/L	95
69) trans-1,3-Dichloropropene	7.967	75	73761	8.970	ug/L	97
71) Ethyl methacrylate	8.158	69	57994	8.196	ug/L	97
72) 1,1,2-Trichloroethane	8.148	83	40619	9.955	ug/L	93
73) Chlorodibromomethane	8.357	129	60132	9.444	ug/L	98
74) 1,3-Dichloropropane	8.465	76	85928	9.981	ug/L	98
75) 1,2-Dibromoethane	8.628	107	47706	9.732	ug/L	99
77) 2-Hexanone	8.913	43	26143	6.862	ug/L	95
78) Chlorobenzene	9.275	112	200420	10.117	ug/L	93
79) Ethylbenzene	9.316	91	337249	9.728	ug/L	98
80) 1,1,1,2-Tetrachloroethane	9.361	131	63448	9.726	ug/L	97
81) p/m Xylene	9.502	106	275269	18.999	ug/L	95
82) o Xylene	10.049	106	267838	18.680	ug/L	94
83) Styrene	10.117	104	454959	18.857	ug/L	97
85) Bromoform	10.140	173	38804	8.985	ug/L	94
87) Isopropylbenzene	10.446	105	351162	8.764	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250624A\
 Data File : VE250624N02.D
 Acq On : 24 Jun 2025 10:48 pm
 Operator : ELAINE:TMS
 Sample : WG2084006-2 (Sig #1); 8260 CCAL (Sig #2)
 Misc : WG2084006, ICAL22314 (Sig #1); WG, ICAL22314 (Sig #2)
 ALS Vial : 31 Sample Multiplier: 1

Quant Time: Jun 24 23:32:30 2025
 Quant Method : K:\Elaine\2025\250624A\Elaine_250523A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri May 23 20:15:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250624A\VE250624N02.D
 Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
89)	Bromobenzene	10.891	156	86402	9.436	ug/L	100
90)	n-Propylbenzene	10.940	91	428750	9.080	ug/L	98
91)	1,4-Dichlorobutane	10.953	55	93175	8.416	ug/L	100
92)	1,1,2,2-Tetrachloroethane	11.037	83	61586	9.692	ug/L	99
93)	4-Ethyltoluene	11.067	105	351774	8.740	ug/L	97
94)	2-Chlorotoluene	11.107	91	233545	8.336	ug/L	94
95)	1,3,5-Trimethylbenzene	11.169	105	319814	9.062	ug/L	98
96)	1,2,3-Trichloropropane	11.169	75	52974	9.595	ug/L	97
97)	trans-1,4-Dichloro-2-b...	11.230	53	17821	7.971	ug/L	86
98)	4-Chlorotoluene	11.297	91	262029	9.000	ug/L	95
99)	tert-Butylbenzene	11.517	119	274754	8.954	ug/L	94
102)	1,2,4-Trimethylbenzene	11.596	105	317012	9.245	ug/L	96
103)	sec-Butylbenzene	11.711	105	412150	9.356	ug/L	100
104)	p-Isopropyltoluene	11.869	119	359543	9.196	ug/L	98
105)	1,3-Dichlorobenzene	11.931	146	194608	9.612	ug/L	97
106)	1,4-Dichlorobenzene	12.028	146	184430	9.231	ug/L	100
107)	p-Diethylbenzene	12.248	119	213033	9.097	ug/L	96
108)	n-Butylbenzene	12.305	91	313286	9.705	ug/L	99
109)	1,2-Dichlorobenzene	12.451	146	184036	9.771	ug/L	98
110)	1,2,4,5-Tetramethylben...	13.046	119	318389	8.727	ug/L	99
111)	1,2-Dibromo-3-chloropr...	13.239	155	11593	10.112	ug/L	98
112)	1,3,5-Trichlorobenzene	13.270	180	138958	10.133	ug/L	98
113)	Hexachlorobutadiene	13.852	225	44365	11.431	ug/L	97
114)	1,2,4-Trichlorobenzene	13.874	180	114608	9.306	ug/L	98
115)	Naphthalene	14.165	128	240779	8.373	ug/L	100
116)	1,2,3-Trichlorobenzene	14.332	180	106134	9.614	ug/L	98

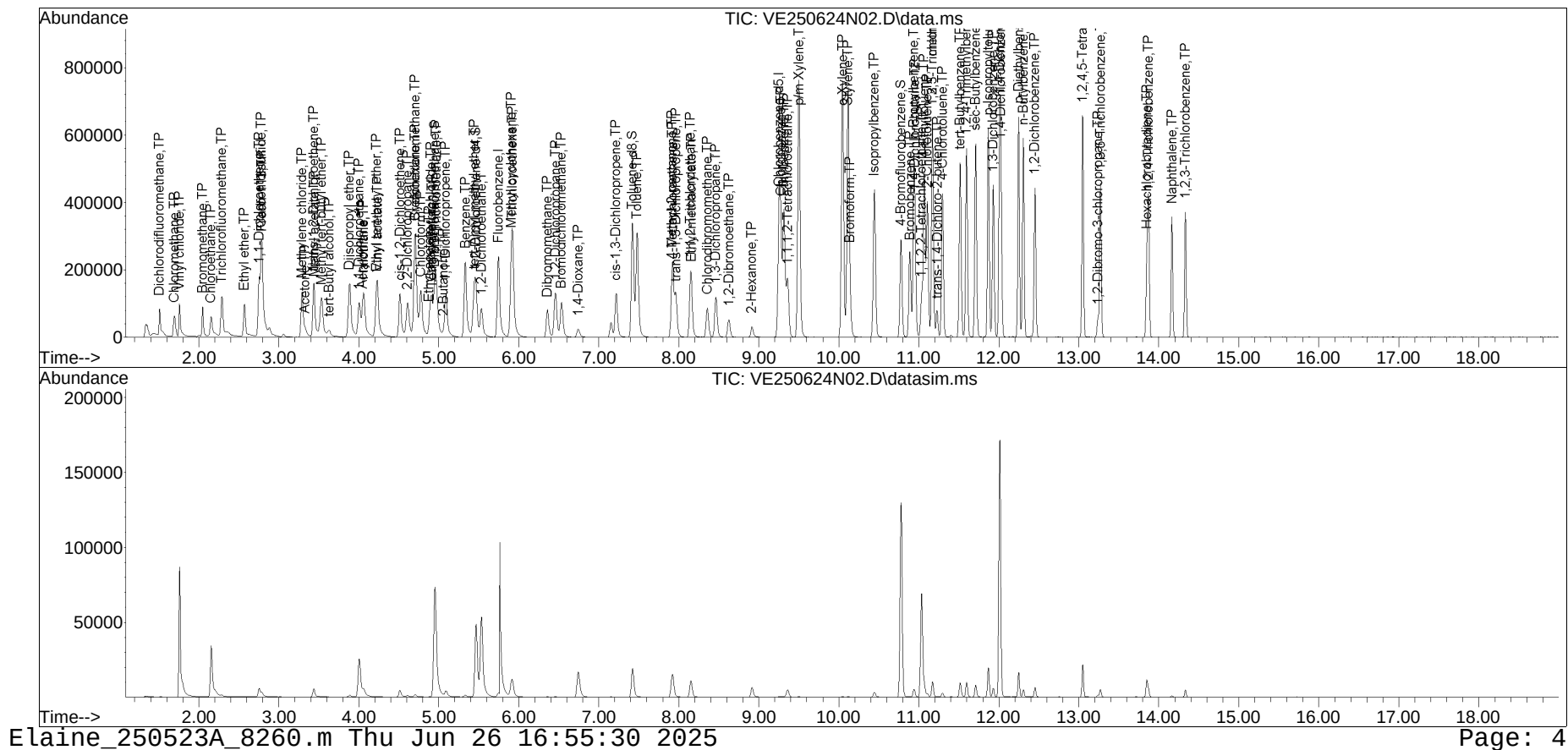
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(QT Reviewed)

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Data Path   : K:\Elaine\2025\250624A\  
Data File  : VE250624N02.D  
Acq On     : 24 Jun 2025   10:48 pm  
Operator   : ELAINE:TMS  
Sample     : WG2084006-2 (Sig #1); 8260 CCAL (Sig #2)  
Misc       : WG2084006,ICAL22314 (Sig #1); WG,ICAL22314 (Sig #2)  
ALS Vial   : 31   Sample Multiplier: 1
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Quant Time: Jun 24 23:32:30 2025
Quant Method : K:\Elaine\2025\250624A\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 20:15:15 2025
Response via : Initial Calibration

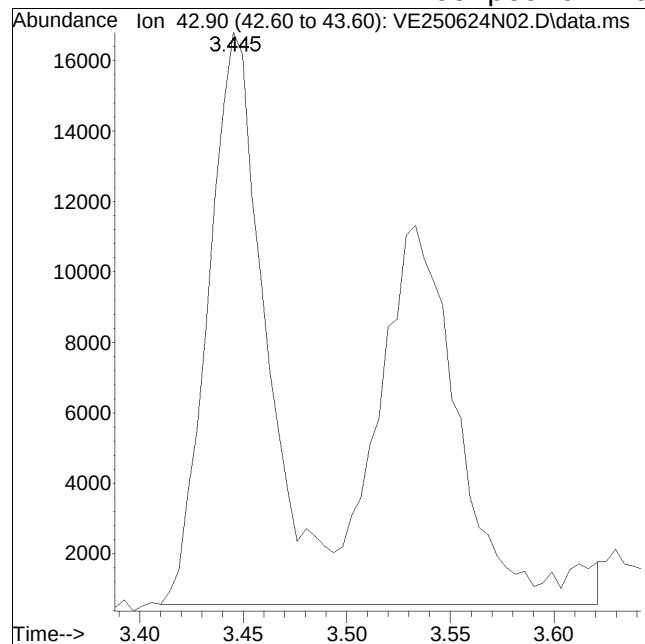
Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve



Manual Integration Report

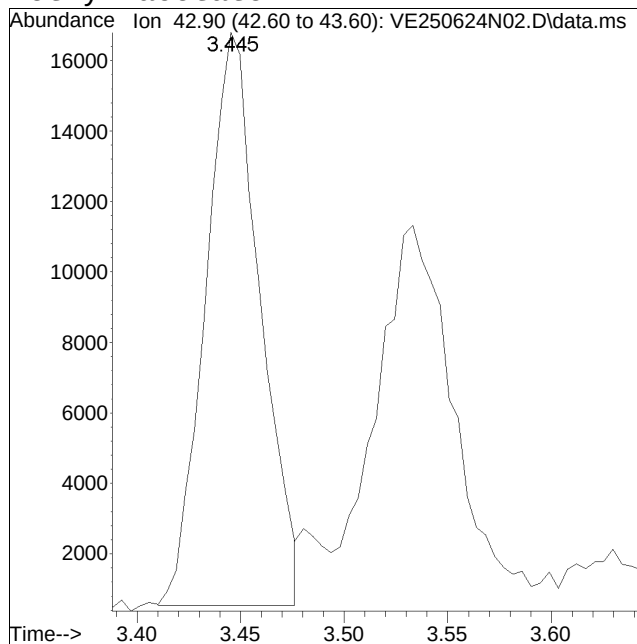
Data Path : K:\Elaine\2025\250624A\ QMethod : Elaine_250523A_8260.m
Data File : VE250624N02.D Operator : ELAINE:TMS
Date Inj'd : 6/24/2025 10:48 pm Instrument : Elaine
Sample : WG2084006-2 Quant Date : 6/24/2025 11:30 pm

Compound #19: Methyl acetate



Original Peak Response = 60779

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

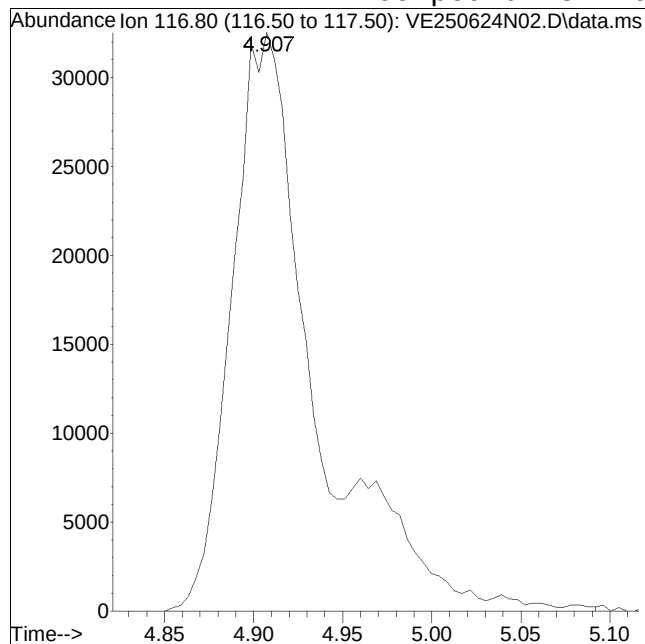


Manual Peak Response = 29761 M1

Manual Integration Report

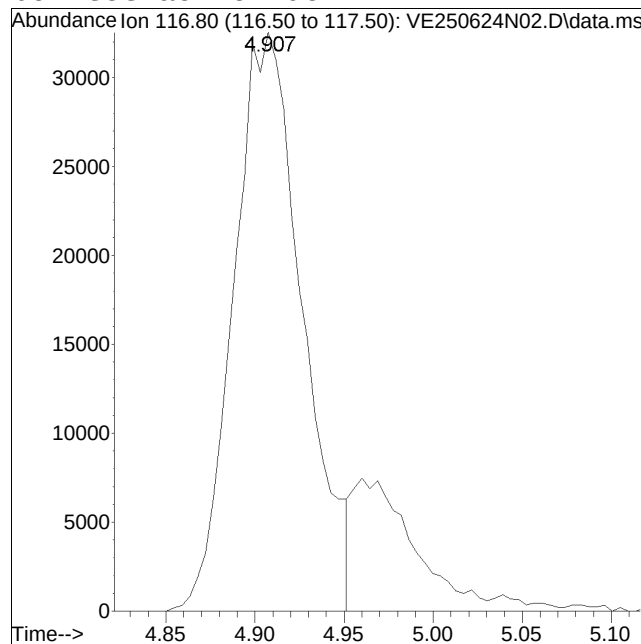
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Data File : VE250624N02.D Operator : ELAINE:TMS
Date Inj'd : 6/24/2025 10:48 pm Instrument : Elaine
Sample : WG2084006-2 Quant Date : 6/24/2025 11:30 pm

Compound #37: Carbon tetrachloride



Original Peak Response = 106526

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.



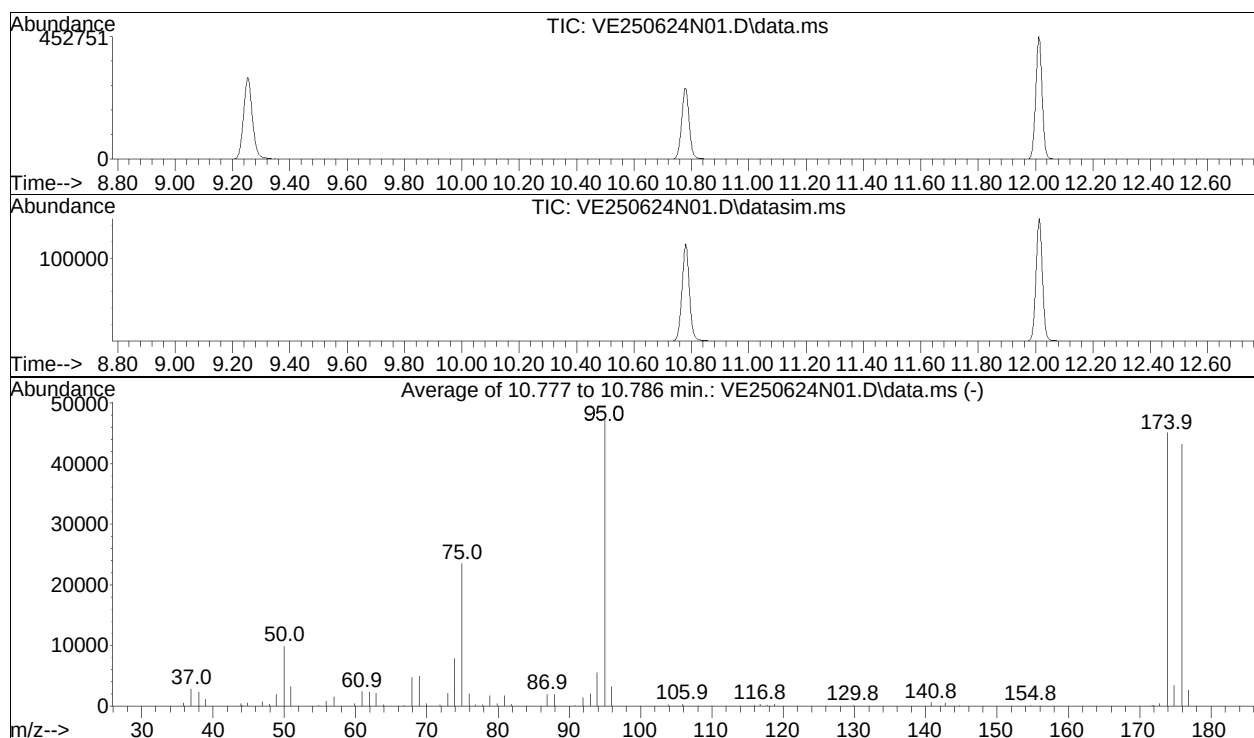
Manual Peak Response = 87368 M1

BFB

Data Path : K:\Elaine\2025\250624A\
Data File : VE250624N01.D
Acq On : 24 Jun 2025 10:24 pm
Operator : ELAINE:TMS
Sample : WG2084006-1 (Sig #1); BFB TUNE/BLK (Sig #2)
Misc : WG2084006 (Sig #1); WG,ICAL22314 (Sig #2)
ALS Vial : 30 Sample Multiplier: 1

Integration File signal 1: rteint.p
Integration File signal 2: rteint2.p

Method : K:\Elaine\2025\250624A\Elaine_250523A_8260.m
Title : VOLATILES BY GC/MS
Last Update : Fri May 23 20:15:15 2025



AutoFind: Scans 2176, 2177, 2178; Background Corrected with Scan 2165

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.6	9848	PASS
75	95	30	60	49.2	23536	PASS
95	95	100	100	100.0	47821	PASS
96	95	5	9	6.9	3288	PASS
173	174	0.00	2	1.1	499	PASS
174	95	50	100	94.3	45085	PASS
175	174	5	9	7.7	3460	PASS
176	174	95	101	95.8	43200	PASS
177	176	5	9	6.0	2585	PASS

Volatiles Raw QC Data

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250624A\
 Data File : VE250624N06.D
 Acq On : 25 Jun 2025 12:28 am
 Operator : ELAINE:TMS
 Sample : WG2084006-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
 Misc : WG2084006,ICAL22314 (Sig #1); WG,ICAL22314 (Sig #2)
 ALS Vial : 35 Sample Multiplier: 1

Quant Time: Jun 25 00:55:50 2025
 Quant Method : K:\Elaine\2025\250624A\Elaine_250523A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri May 23 20:15:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250624A\VE250624N02.D
 Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.746	96	254063	10.000	ug/L	0.00
Standard Area 1 = 281780			Recovery =	90.16%		
63) Chlorobenzene-d5	9.248	117	215755	10.000	ug/L	0.00
Standard Area 1 = 232207			Recovery =	92.91%		
84) 1,4-Dichlorobenzene-d4	12.010	152	127733	10.000	ug/L	0.00
Standard Area 1 = 145386			Recovery =	87.86%		
System Monitoring Compounds						
39) Dibromofluoromethane	4.951	113	82063	11.601	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	116.01%		
47) 1,2-Dichloroethane-d4	5.465	65	77560	11.073	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	110.73%		
64) Toluene-d8	7.420	98	270525	9.949	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	99.49%		
88) 4-Bromofluorobenzene	10.781	95	95432	9.269	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	92.69%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	0.000		0	N.D.	d	
3) Chloromethane	0.000		0	N.D.	d	
4) Vinyl chloride	0.000		0	N.D.		
5) Bromomethane	2.045	94	617	0.149	ug/L	93
6) Chloroethane	0.000		0	N.D.	d	
7) Trichlorofluoromethane	0.000		0	N.D.		
10) 1,1-Dichloroethene	0.000		0	N.D.	d	
11) Carbon disulfide	2.795	76	994	N.D.		
12) Freon-113	0.000		0	N.D.		
15) Methylene chloride	3.283	84	510	0.081	ug/L #	60
17) Acetone	0.000		0	N.D.	d	
18) trans-1,2-Dichloroethene	0.000		0	N.D.	d	
19) Methyl acetate	0.000		0	N.D.	d	
21) Methyl tert-butyl ether	0.000		0	N.D.		
25) 1,1-Dichloroethane	0.000		0	N.D.		
30) cis-1,2-Dichloroethene	0.000		0	N.D.		
33) Bromochloromethane	0.000		0	N.D.	d	
34) Cyclohexane	0.000		0	N.D.		
35) Chloroform	4.771	83	888	0.082	ug/L #	57
37) Carbon tetrachloride	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250624A\
 Data File : VE250624N06.D
 Acq On : 25 Jun 2025 12:28 am
 Operator : ELAINE:TMS
 Sample : WG2084006-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
 Misc : WG2084006,ICAL22314 (Sig #1); WG,ICAL22314 (Sig #2)
 ALS Vial : 35 Sample Multiplier: 1

Quant Time: Jun 25 00:55:50 2025
 Quant Method : K:\Elaine\2025\250624A\Elaine_250523A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri May 23 20:15:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250624A\VE250624N02.D
 Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
40)	1,1,1-Trichloroethane	0.000		0		N.D.	
42)	2-Butanone	0.000		0		N.D.	
45)	Benzene	0.000		0		N.D.	d
48)	1,2-Dichloroethane	0.000		0		N.D.	d
51)	Methyl cyclohexane	0.000		0		N.D.	
52)	Trichloroethene	0.000		0		N.D.	d
55)	1,2-Dichloropropane	0.000		0		N.D.	
58)	Bromodichloromethane	0.000		0		N.D.	
62)	cis-1,3-Dichloropropene	0.000		0		N.D.	d
65)	Toluene	0.000		0		N.D.	d
66)	4-Methyl-2-pentanone	0.000		0		N.D.	d
67)	Tetrachloroethene	0.000		0		N.D.	
69)	trans-1,3-Dichloropropene	0.000		0		N.D.	
72)	1,1,2-Trichloroethane	0.000		0		N.D.	
73)	Chlorodibromomethane	0.000		0		N.D.	
75)	1,2-Dibromoethane	0.000		0		N.D.	
77)	2-Hexanone	0.000		0		N.D.	
78)	Chlorobenzene	9.275	112	388		N.D.	
79)	Ethylbenzene	0.000		0		N.D.	d
81)	p/m Xylene	0.000		0		N.D.	
82)	o Xylene	0.000		0		N.D.	
83)	Styrene	10.126	104	54		N.D.	
85)	Bromoform	0.000		0		N.D.	d
87)	Isopropylbenzene	0.000		0		N.D.	d
92)	1,1,2,2-Tetrachloroethane	0.000		0		N.D.	
105)	1,3-Dichlorobenzene	11.931	146	43		N.D.	
106)	1,4-Dichlorobenzene	12.028	146	243		N.D.	
109)	1,2-Dichlorobenzene	0.000		0		N.D.	
111)	1,2-Dibromo-3-chloropr...	0.000		0		N.D.	
114)	1,2,4-Trichlorobenzene	13.869	180	385		N.D.	
116)	1,2,3-Trichlorobenzene	14.332	180	517		N.D.	

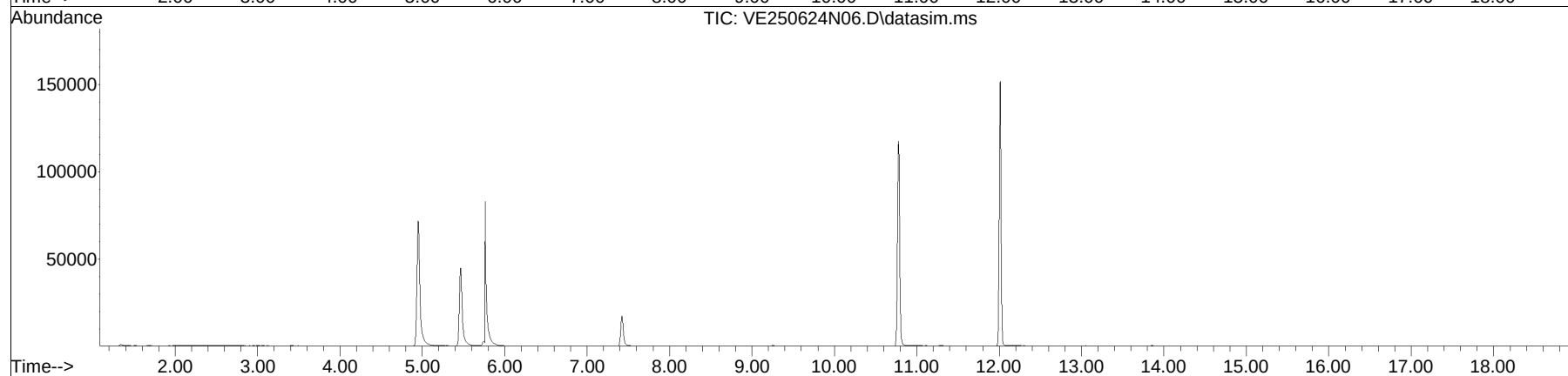
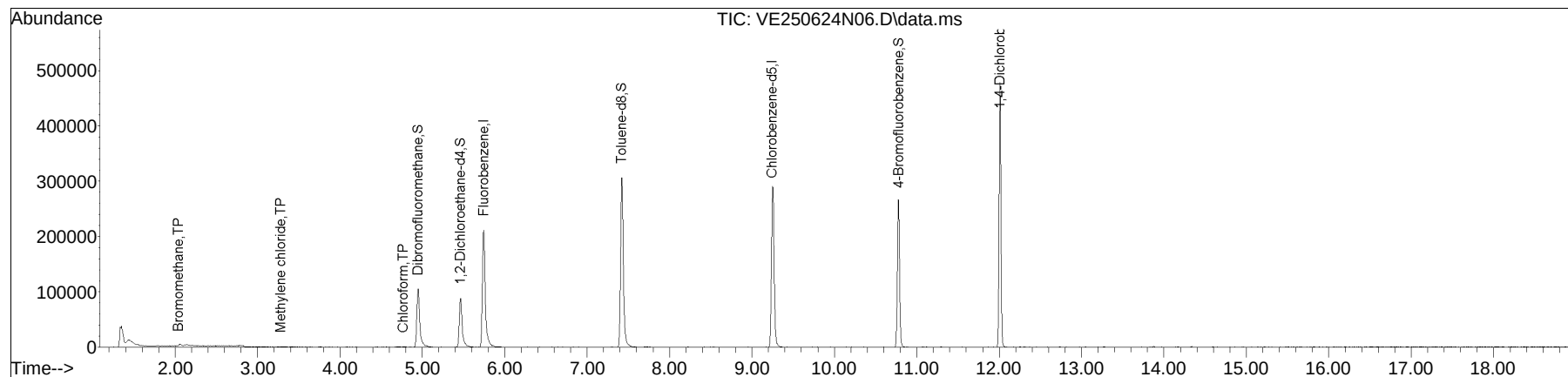
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250624\
 Data File : VE250624N06.D
 Acq On : 25 Jun 2025 12:28 am
 Operator : ELAINE:TMS
 Sample : WG2084006-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
 Misc : WG2084006,ICAL22314 (Sig #1); WG,ICAL22314 (Sig #2)
 ALS Vial : 35 Sample Multiplier: 1

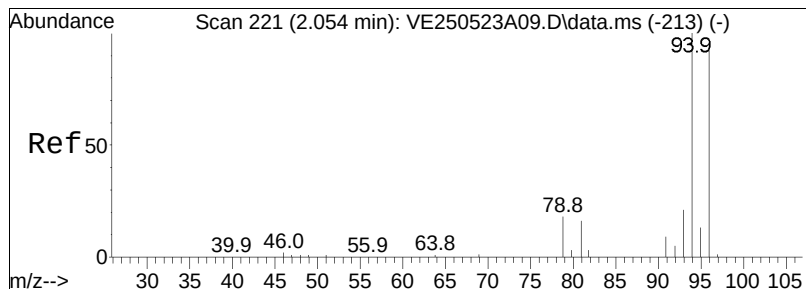
Quant Time: Jun 25 00:55:50 2025
 Quant Method : K:\Elaine\2025\250624A\Elaine_250523A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri May 23 20:15:15 2025
 Response via : Initial Calibration

Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve



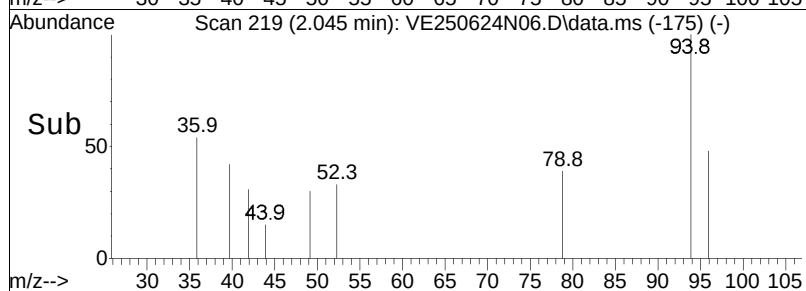
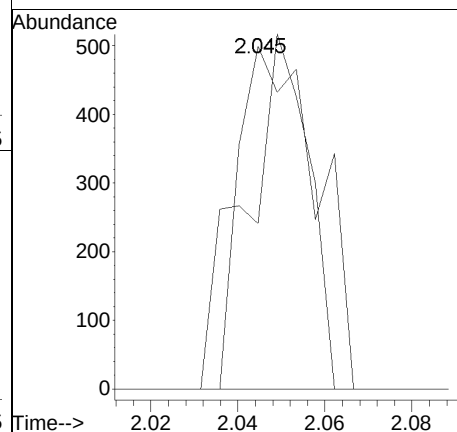
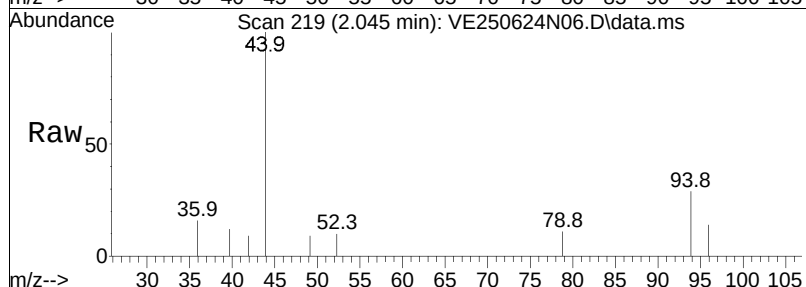
Elaine_250523A_8260.m Thu Jun 26 16:57:30 2025

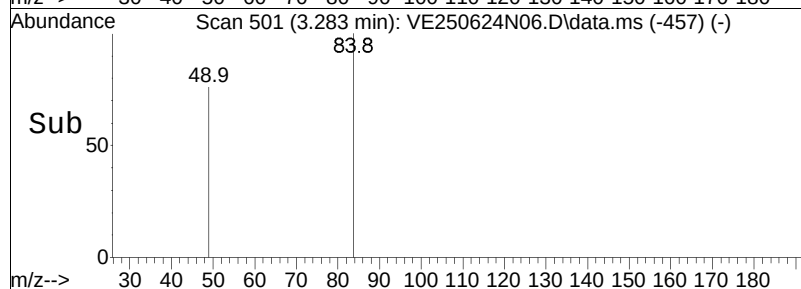
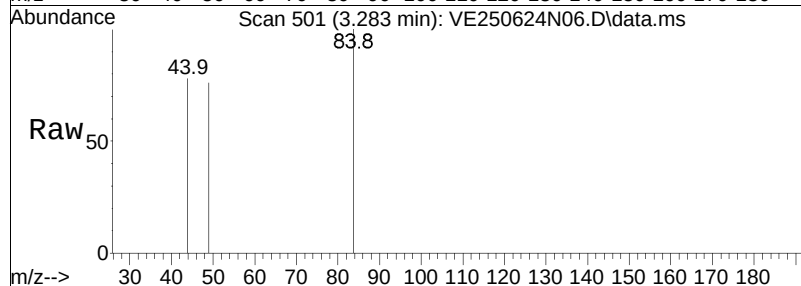
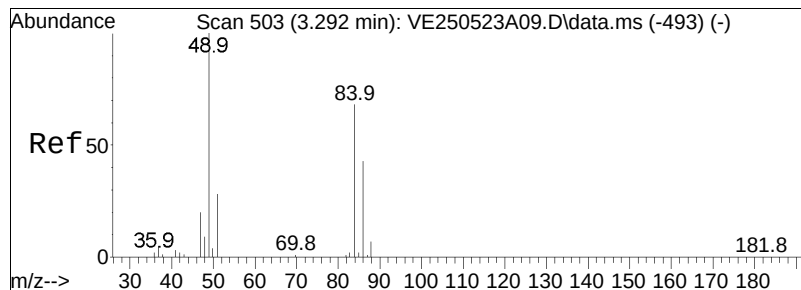
Page: 4



#5
 Bromomethane
 Concen: 0.15 ug/L
 RT: 2.045 min Scan# 219
 Delta R.T. -0.009 min
 Lab File: VE250624N06.D
 Acq: 25 Jun 2025 12:28 am

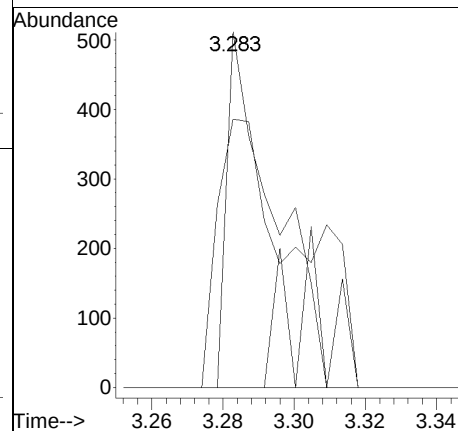
Tgt Ion: 94 Resp: 617
 Ion Ratio Lower Upper
 94 100
 96 85.9 72.7 112.7

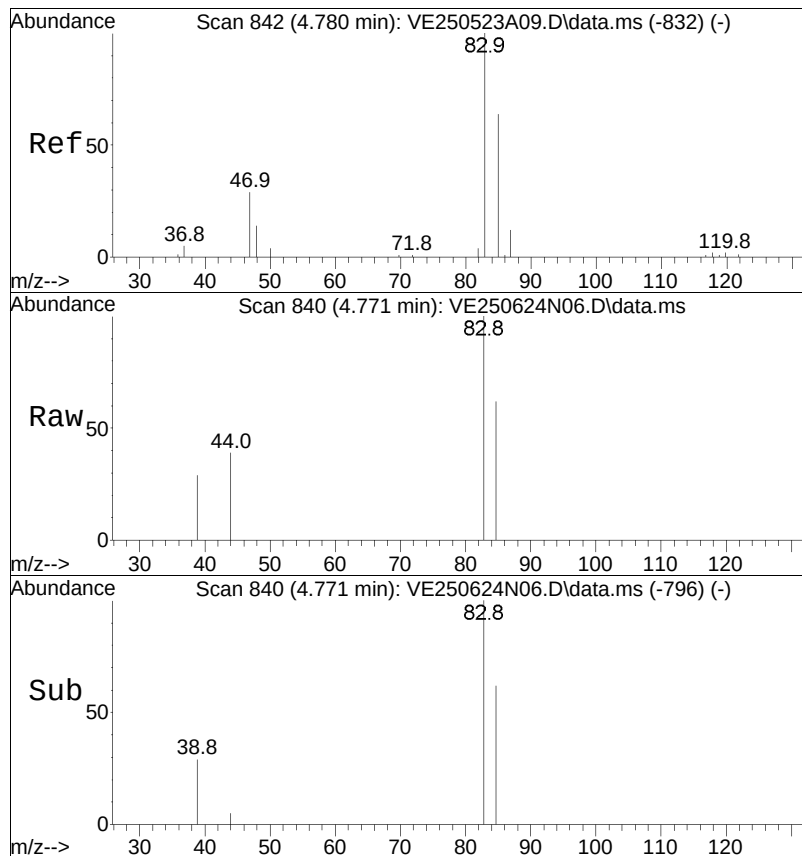




#15
Methylene chloride
Concen: 0.08 ug/L
RT: 3.283 min Scan# 501
Delta R.T. -0.009 min
Lab File: VE250624N06.D
Acq: 25 Jun 2025 12:28 am

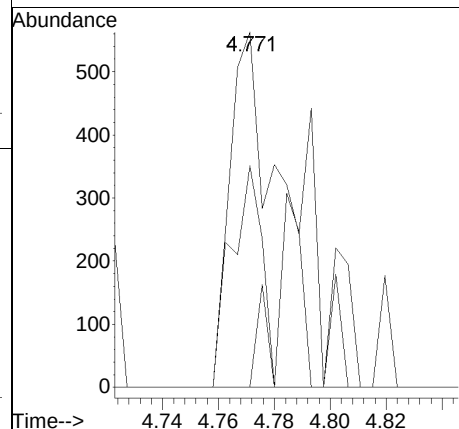
Tgt Ion	Ratio	Lower	Upper
84	100		
86	10.4	40.6	84.4#
49	117.3	100.0	207.6





#35
 Chloroform
 Concen: 0.08 ug/L
 RT: 4.771 min Scan# 840
 Delta R.T. -0.009 min
 Lab File: VE250624N06.D
 Acq: 25 Jun 2025 12:28 am

Tgt Ion: 83	Resp: 888
Ion Ratio	Lower Upper
83 100	
85 30.4	41.7 86.5#
47 0.0	17.4 36.2#
48 4.8	9.2 19.0#



Manual Integration Report

Data Path	: K:\Elaine\2025\250624A\	QMethod	: Elaine_250523A_8260.m
Data File	: VE250624N06.D	Operator	: ELAINE:TMS
Date Inj'd	: 6/25/2025 12:28 am	Instrument	: Elaine
Sample	: WG2084006-5,31,10,10	Quant Date	: 6/25/2025 0:53 am

There are no manual integrations or false positives in this file.

LSC Area Percent Report

Data Path : K:\Elaine\2025\250624A\
 Data File : VE250624N06.D
 Acq On : 25 Jun 2025 12:28 am
 Operator : ELAINE:TMS
 Sample : WG2084006-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
 Misc : WG2084006,ICAL22314 (Sig #1); WG,ICAL22314 (Sig #2)
 ALS Vial : 35 Sample Multiplier: 1

Integration Parameters: rteint.p

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 1

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
 Peak separation: 5

Method : K:\Elaine\2025\250624A\Elaine_250523A_8260.m

Title : VOLATILES BY GC/MS

Signal : TIC: VE250624N06.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.062	153	223	429	rVB	5473	167500	23.12%	4.423%
2	4.951	868	881	930	rBB	105235	272532	37.61%	7.196%
3	5.465	986	998	1038	rBV	88736	223973	30.91%	5.914%
4	5.746	1050	1062	1111	rVB	211683	539108	74.40%	14.235%
5	7.420	1420	1432	1465	rBV	306247	715455	98.74%	18.892%
6	9.253	1824	1837	1872	rBB	291641	652136	90.00%	17.220%
7	10.777	2165	2176	2196	rBV	266920	491878	67.89%	12.988%
8	12.010	2446	2456	2472	rVB	478514	724566	100.00%	19.132%

Sum of corrected areas: 3787148

Signal : TIC: VE250624N06.D\datasim.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
---	-----	-----	-----	-----	---	-----	-----	-----	-----

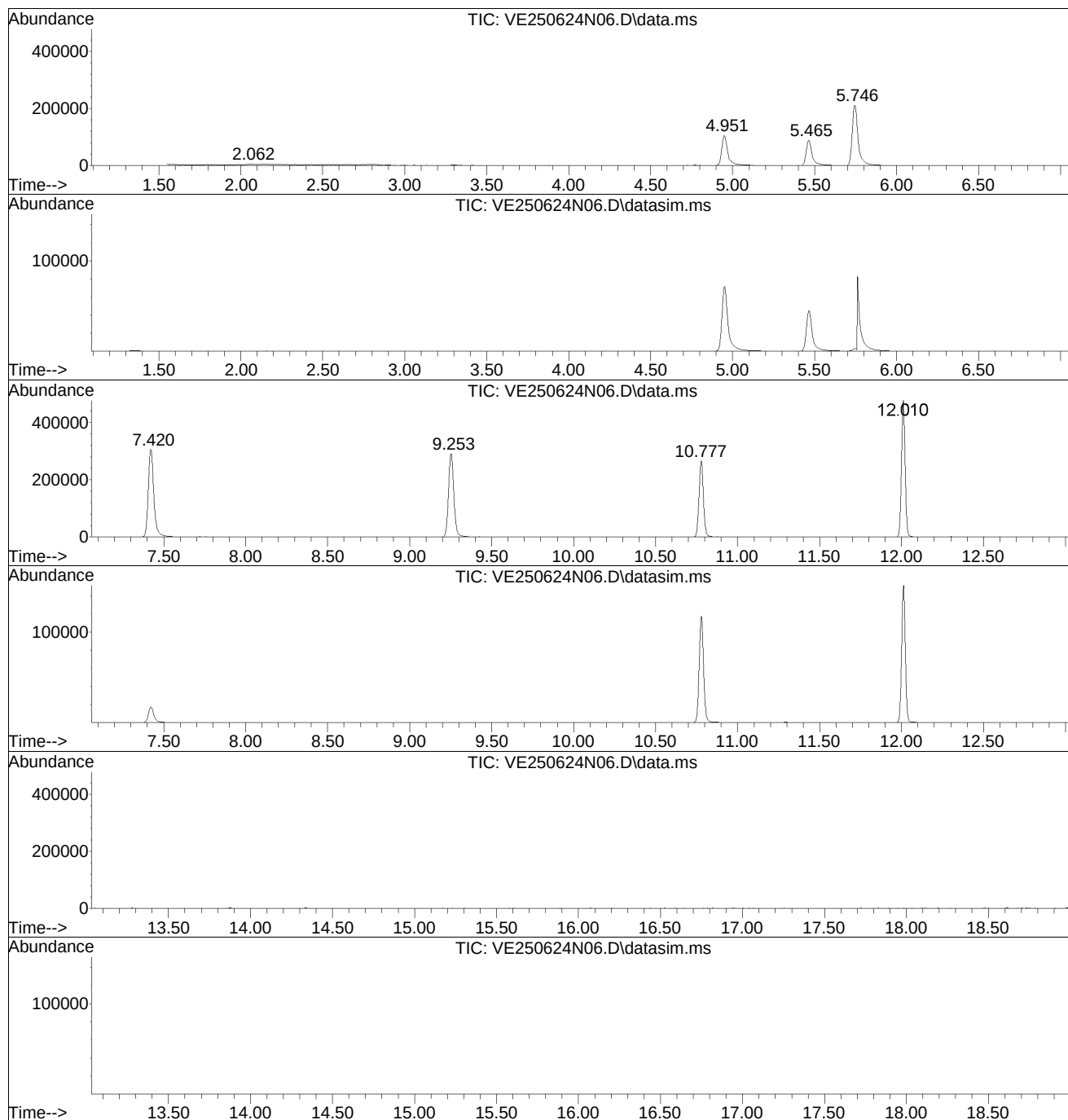
No peaks were detected using the above RTE integration parameters!

LSC Report - Integrated Chromatogram

Data Path : K:\Elaine\2025\250624A\
Data File : VE250624N06.D
Acq On : 25 Jun 2025 12:28 am
Operator : ELAINE:TMS
Sample : WG2084006-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG2084006,ICAL22314 (Sig #1); WG,ICAL22314 (Sig #2)
ALS Vial : 35 Sample Multiplier: 1

Quant Method : K:\Elaine\2025\250624A\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p



Library Search Compound Report

Data Path : K:\Elaine\2025\250624A\
Data File : VE250624N06.D
Acq On : 25 Jun 2025 12:28 am
Operator : ELAINE:TMS
Sample : WG2084006-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
Misc : WG2084006,ICAL22314 (Sig #1); WG,ICAL22314 (Sig #2)
ALS Vial : 35 Sample Multiplier: 1

Quant Method : K:\Elaine\2025\250624A\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
TIC Integration Parameters: rteint.p

No Library Search Compounds Detected

Tentatively Identified Compound (LSC) summary

Data Path : K:\Elaine\2025\250624A\
 Data File : VE250624N06.D
 Acq On : 25 Jun 2025 12:28 am
 Operator : ELAINE:TMS
 Sample : WG2084006-5,31,10,10 (Sig #1); METHOD BLK (Sig #2)
 Misc : WG2084006,ICAL22314 (Sig #1); WG,ICAL22314 (Sig #2)
 ALS Vial : 35 Sample Multiplier: 1

Quant Method : K:\Elaine\2025\250624A\Elaine_250523A_8260.m
 Quant Title : VOLATILES BY GC/MS

TIC Library : I:\nist-db\NIST02.L
 TIC Integration Parameters: rteint.p

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard-- # RT Resp Conc

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250624A\
 Data File : VE250624N02.D
 Acq On : 24 Jun 2025 10:48 pm
 Operator : ELAINE:TMS
 Sample : WG2084006-3,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
 Misc : WG2084006,ICAL22314 (Sig #1); WG,ICAL22314 (Sig #2)
 ALS Vial : 31 Sample Multiplier: 1

Quant Time: Jun 24 23:32:30 2025
 Quant Method : K:\Elaine\2025\250624A\Elaine_250523A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri May 23 20:15:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250624A\VE250624N02.D
 Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.746	96	281780	10.000	ug/L	0.00
Standard Area 1 = 281780			Recovery	=	100.00%	
63) Chlorobenzene-d5	9.253	117	232207	10.000	ug/L	0.00
Standard Area 1 = 232207			Recovery	=	100.00%	
84) 1,4-Dichlorobenzene-d4	12.010	152	145386	10.000	ug/L	0.00
Standard Area 1 = 145386			Recovery	=	100.00%	
System Monitoring Compounds						
39) Dibromofluoromethane	4.947	113	82970	10.575	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	105.75%	
47) 1,2-Dichloroethane-d4	5.465	65	86245	11.102	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	111.02%	
64) Toluene-d8	7.420	98	296850	10.144	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	101.44%	
88) 4-Bromofluorobenzene	10.777	95	103615	8.841	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery	=	88.41%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.509	85	74174	8.165	ug/L	98
3) Chloromethane	1.698	50	75866	7.885	ug/L	100
4) Vinyl chloride	1.759	62	87156	10.520	ug/L	99
5) Bromomethane	2.049	94	43595	9.461	ug/L	99
6) Chloroethane	2.154	64	63415	11.800	ug/L	98
7) Trichlorofluoromethane	2.286	101	125373	11.627	ug/L	96
10) 1,1-Dichloroethene	2.756	96	72109	11.331	ug/L	87
11) Carbon disulfide	2.782	76	219509	10.932	ug/L	99
12) Freon-113	2.791	101	73879	11.773	ug/L	98
15) Methylene chloride	3.292	84	74468	10.669	ug/L	89
17) Acetone	3.327	43	15966	10.237	ug/L	99
18) trans-1,2-Dichloroethene	3.437	96	66635	10.247	ug/L	91
19) Methyl acetate	3.445	43	29761M1	7.960	ug/L	
21) Methyl tert-butyl ether	3.537	73	140823	9.489	ug/L #	94
25) 1,1-Dichloroethane	4.007	63	131986	10.283	ug/L	99
30) cis-1,2-Dichloroethene	4.517	96	74972	9.955	ug/L	89
33) Bromochloromethane	4.705	128	38635	10.761	ug/L #	80
34) Cyclohexane	4.705	56	126395	9.289	ug/L	90
35) Chloroform	4.776	83	120883	10.089	ug/L	97
37) Carbon tetrachloride	4.907	117	87368M1	10.359	ug/L	

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250624A\
 Data File : VE250624N02.D
 Acq On : 24 Jun 2025 10:48 pm
 Operator : ELAINE:TMS
 Sample : WG2084006-3,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
 Misc : WG2084006,ICAL22314 (Sig #1); WG,ICAL22314 (Sig #2)
 ALS Vial : 31 Sample Multiplier: 1

Quant Time: Jun 24 23:32:30 2025
 Quant Method : K:\Elaine\2025\250624A\Elaine_250523A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri May 23 20:15:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250624A\VE250624N02.D
 Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
40)	1,1,1-Trichloroethane	4.969	97	99227	10.175	ug/L	98
42)	2-Butanone	5.057	43	19068	8.477	ug/L	96
45)	Benzene	5.333	78	251718	9.832	ug/L	97
48)	1,2-Dichloroethane	5.535	62	79942	10.456	ug/L	99
51)	Methylcyclohexane	5.909	83	108478	9.388	ug/L	90
52)	Trichloroethene	5.922	95	63309	10.108	ug/L	94
55)	1,2-Dichloropropane	6.461	63	64573	9.678	ug/L	99
58)	Bromodichloromethane	6.533	83	84468	9.779	ug/L	97
62)	cis-1,3-Dichloropropene	7.216	75	91582	9.522	ug/L	94
65)	Toluene	7.479	92	169312	9.993	ug/L	100
66)	4-Methyl-2-pentanone	7.913	58	14958	8.892	ug/L	94
67)	Tetrachloroethene	7.922	166	77408	10.936	ug/L	95
69)	trans-1,3-Dichloropropene	7.967	75	73761	8.970	ug/L	97
72)	1,1,2-Trichloroethane	8.148	83	40619	9.955	ug/L	93
73)	Chlorodibromomethane	8.357	129	60132	9.444	ug/L	98
75)	1,2-Dibromoethane	8.628	107	47706	9.732	ug/L	99
77)	2-Hexanone	8.913	43	26143	6.862	ug/L	95
78)	Chlorobenzene	9.275	112	200420	10.117	ug/L	93
79)	Ethylbenzene	9.316	91	337249	9.728	ug/L	98
81)	p/m Xylene	9.502	106	275269	18.999	ug/L	95
82)	o Xylene	10.049	106	267838	18.680	ug/L	94
83)	Styrene	10.117	104	454959	18.857	ug/L	97
85)	Bromoform	10.140	173	38804	8.985	ug/L	94
87)	Isopropylbenzene	10.446	105	351162	8.764	ug/L	98
92)	1,1,2,2-Tetrachloroethane	11.037	83	61586	9.692	ug/L	99
105)	1,3-Dichlorobenzene	11.931	146	194608	9.612	ug/L	97
106)	1,4-Dichlorobenzene	12.028	146	184430	9.231	ug/L	100
109)	1,2-Dichlorobenzene	12.451	146	184036	9.771	ug/L	98
111)	1,2-Dibromo-3-chloropr...	13.239	155	11593	10.112	ug/L	98
114)	1,2,4-Trichlorobenzene	13.874	180	114608	9.306	ug/L	98
116)	1,2,3-Trichlorobenzene	14.332	180	106134	9.614	ug/L	98

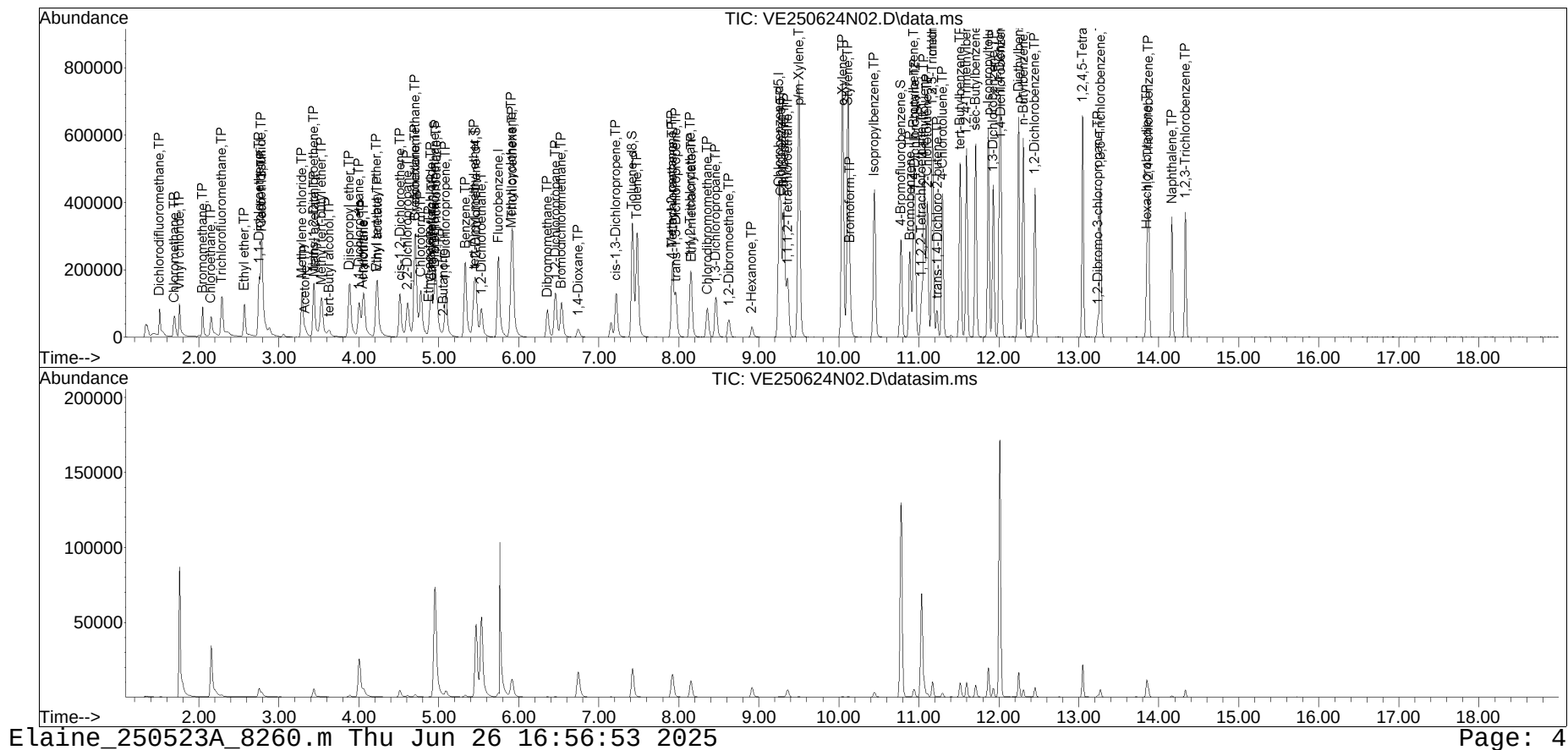
(#) = qualifier out of range (m) = manual integration (+) = signals summed

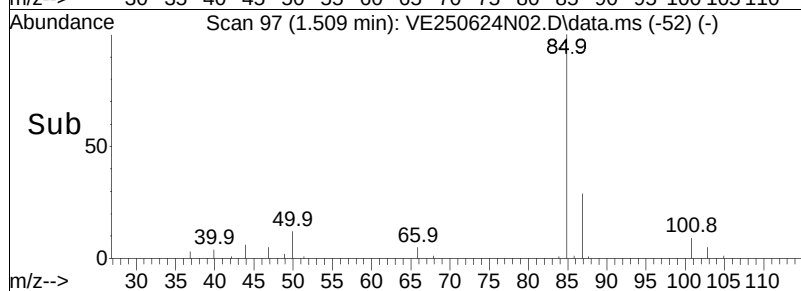
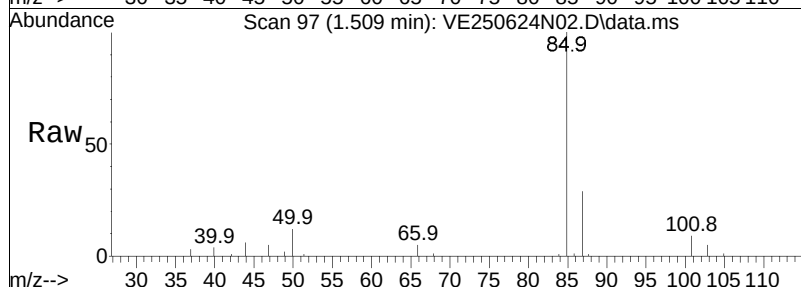
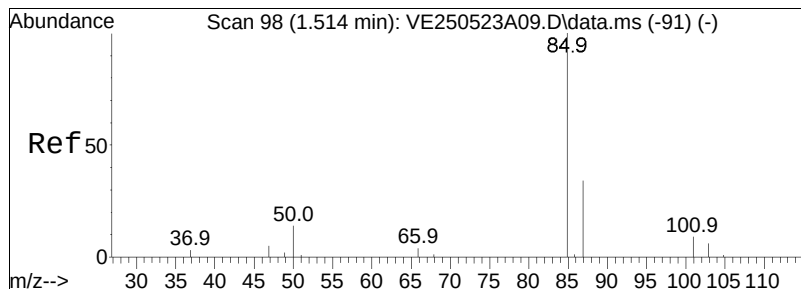
(QT Reviewed)

Data Path : K:\Elaine\2025\250624A\
Data File : VE250624N02.D
Acq On : 24 Jun 2025 10:48 pm
Operator : ELAINE:TMS
Sample : WG2084006-3,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2084006,ICAL22314 (Sig #1); WG,ICAL22314 (Sig #2)
ALS Vial : 31 Sample Multiplier: 1

Quant Time: Jun 24 23:32:30 2025
Quant Method : K:\Elaine\2025\250624A\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 20:15:15 2025
Response via : Initial Calibration

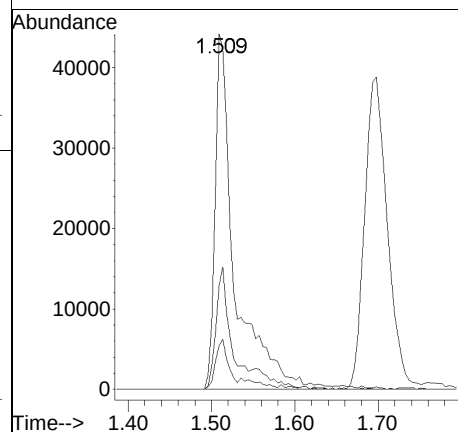
Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve

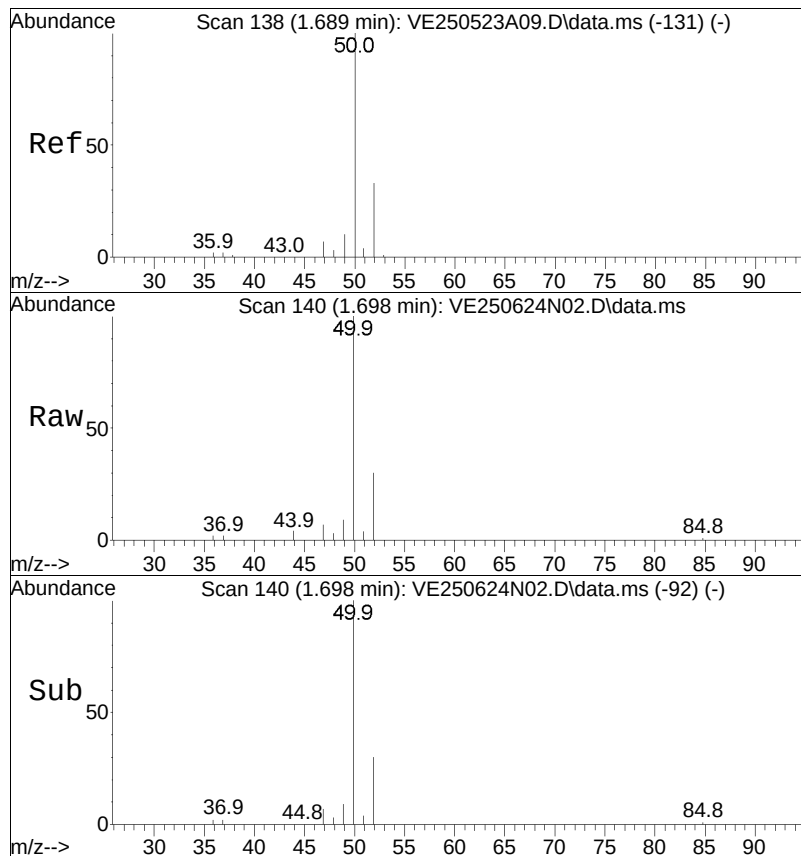




#2
 Dichlorodifluoromethane
 Concen: 8.17 ug/L
 RT: 1.509 min Scan# 97
 Delta R.T. -0.005 min
 Lab File: VE250624N02.D
 Acq: 24 Jun 2025 10:48 pm

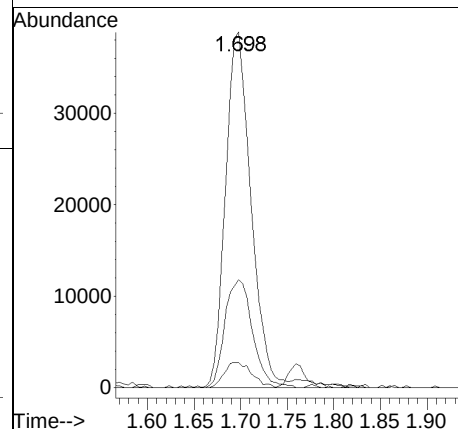
Tgt Ion:	85	Resp:	74174
Ion Ratio	Lower	Upper	
85	100		
87	31.2	21.2	44.0
50	12.6	8.5	17.7

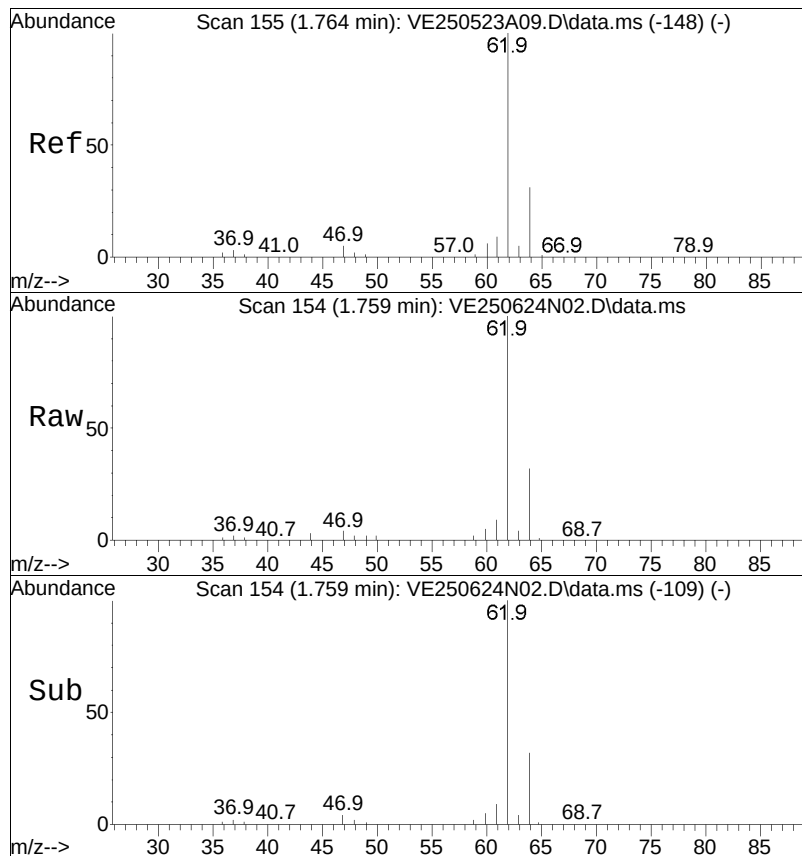




#3
 Chloromethane
 Concen: 7.89 ug/L
 RT: 1.698 min Scan# 140
 Delta R.T. 0.009 min
 Lab File: VE250624N02.D
 Acq: 24 Jun 2025 10:48 pm

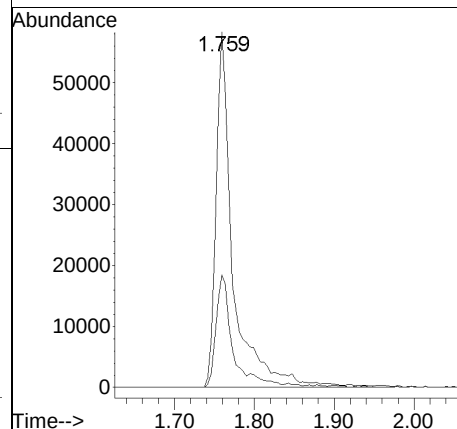
Tgt Ion:	50	Resp:	75866
Ion Ratio	Lower	Upper	
50	100		
52	32.0	12.2	52.2
47	7.4	0.0	27.4

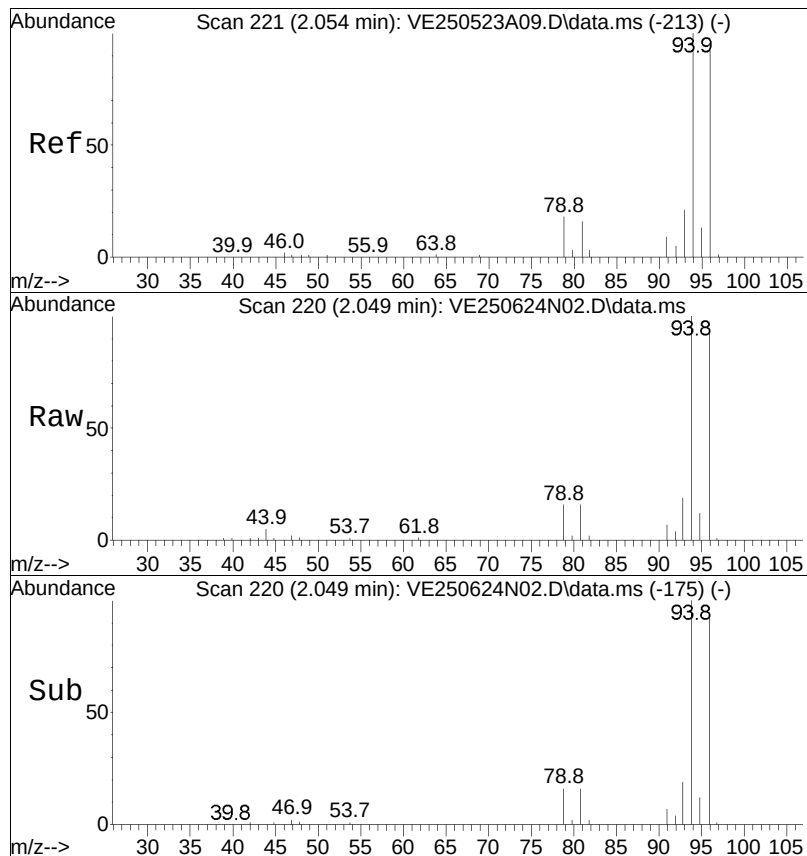




#4
 Vinyl chloride
 Concen: 10.52 ug/L
 RT: 1.759 min Scan# 154
 Delta R.T. -0.005 min
 Lab File: VE250624N02.D
 Acq: 24 Jun 2025 10:48 pm

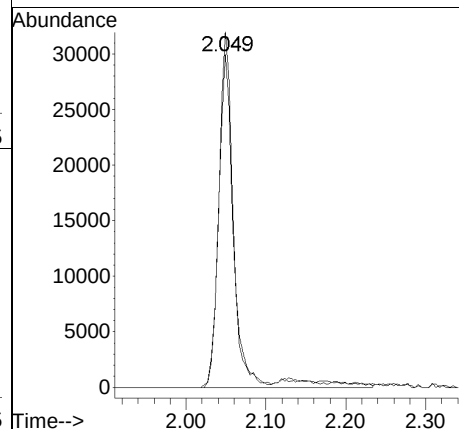
Tgt Ion	Ratio	Lower	Upper
62	100		
64	32.7	12.2	52.2

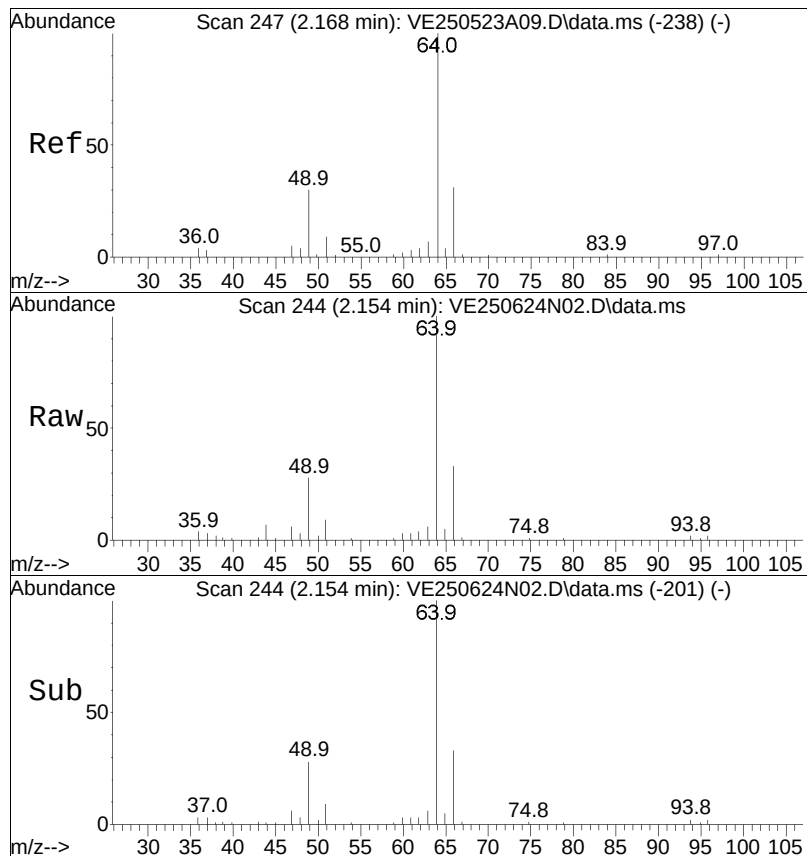




#5
 Bromomethane
 Concen: 9.46 ug/L
 RT: 2.049 min Scan# 220
 Delta R.T. -0.005 min
 Lab File: VE250624N02.D
 Acq: 24 Jun 2025 10:48 pm

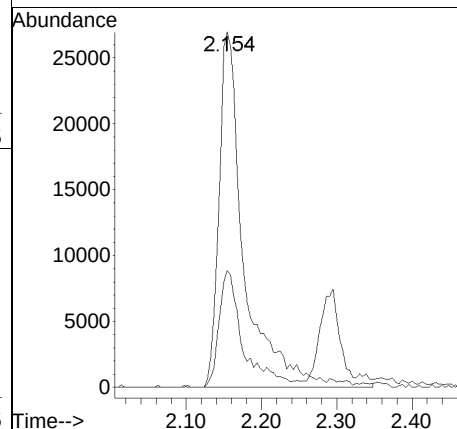
Tgt Ion	Ratio	Lower	Upper
94	100		
96	93.6	72.7	112.7

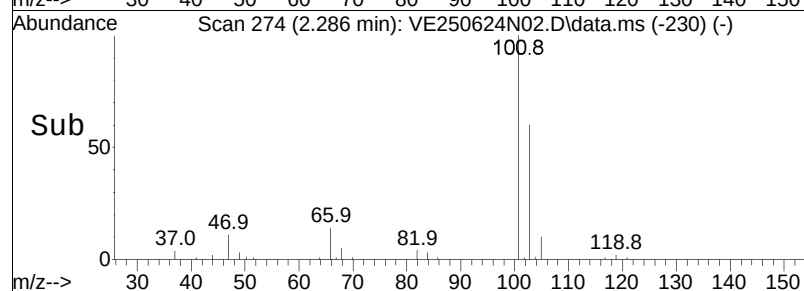
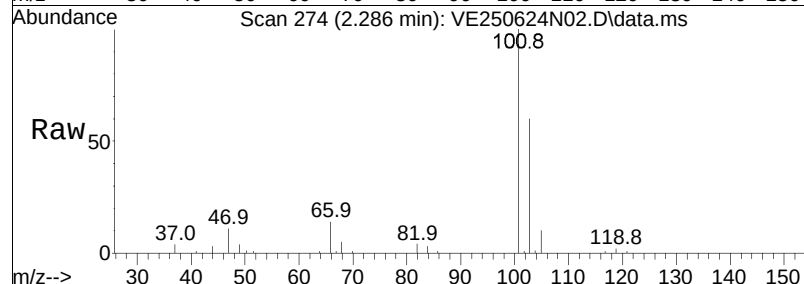
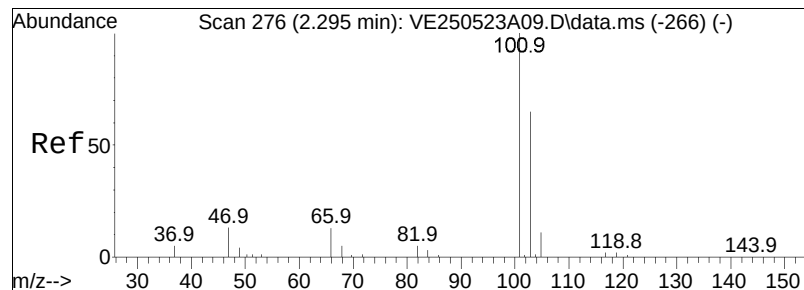




#6
 Chloroethane
 Concen: 11.80 ug/L
 RT: 2.154 min Scan# 244
 Delta R.T. -0.013 min
 Lab File: VE250624N02.D
 Acq: 24 Jun 2025 10:48 pm

Tgt Ion	Ratio	Lower	Upper
64	100		
66	31.8	13.1	53.1





#7

Trichlorofluoromethane

Concen: 11.63 ug/L

RT: 2.286 min Scan# 274

Delta R.T. -0.009 min

Lab File: VE250624N02.D

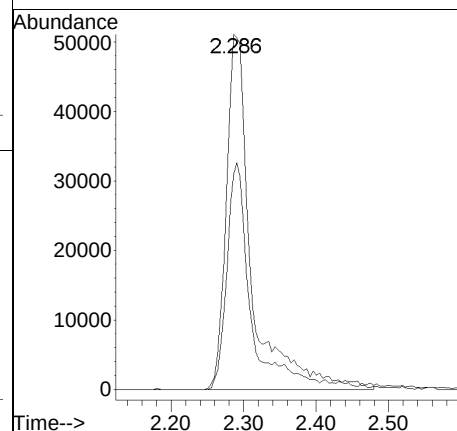
Acq: 24 Jun 2025 10:48 pm

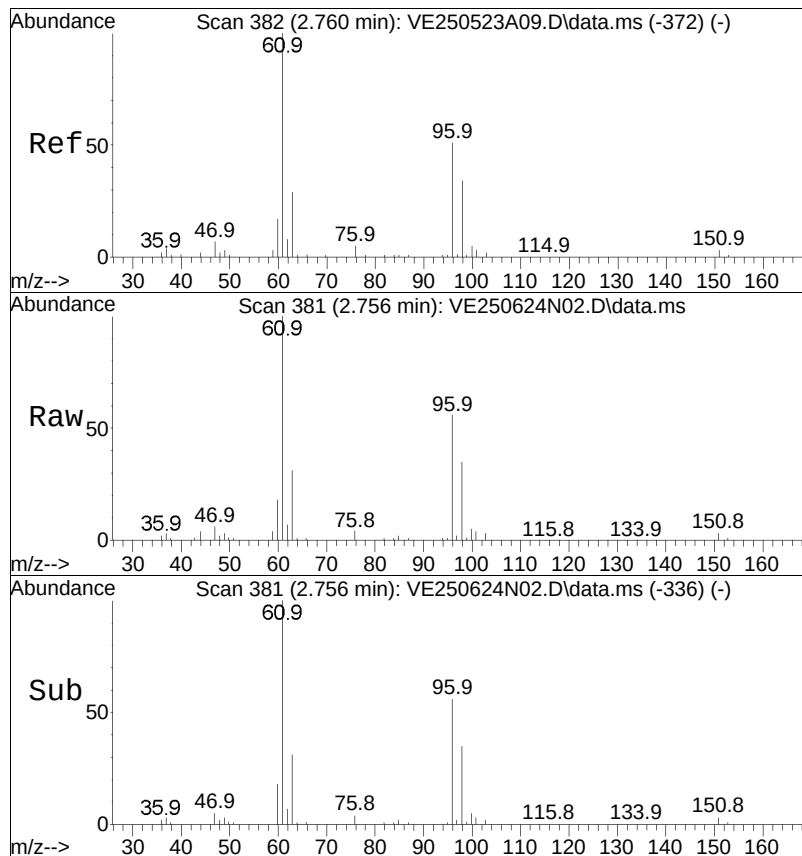
Tgt Ion:101 Resp: 125373

Ion Ratio Lower Upper

101 100

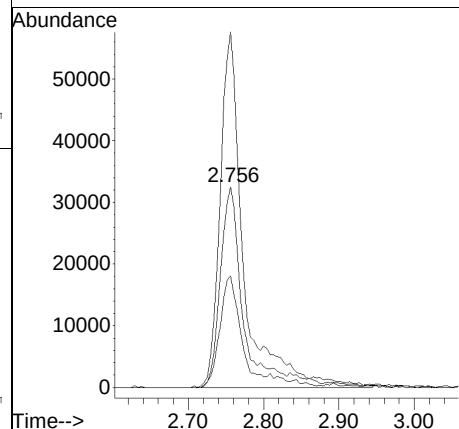
103 62.0 52.0 78.0

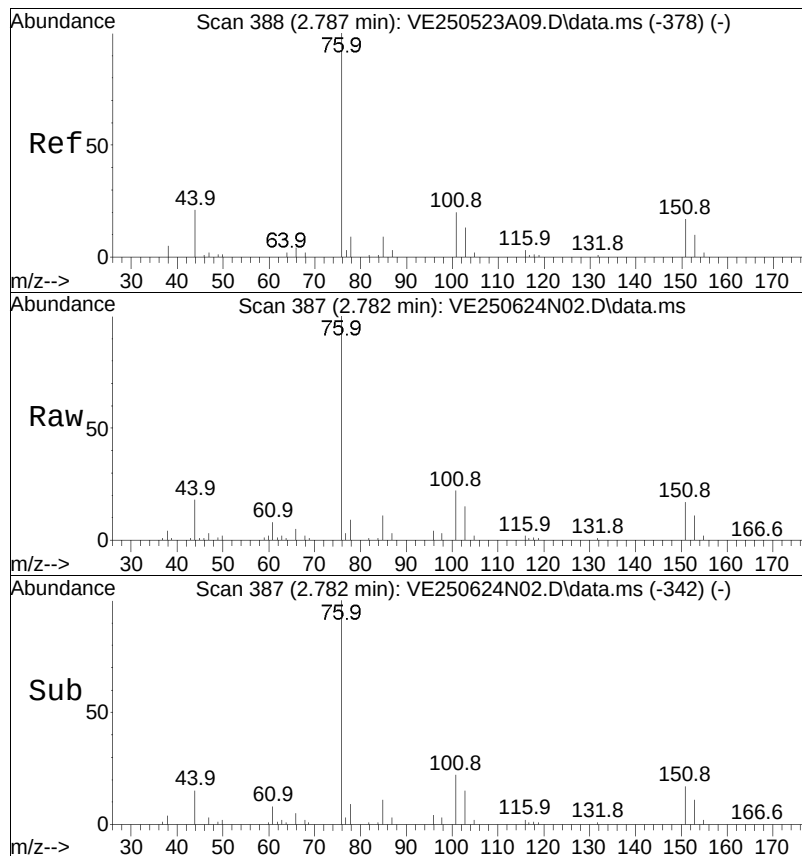




#10
 1,1-Dichloroethene
 Concen: 11.33 ug/L
 RT: 2.756 min Scan# 381
 Delta R.T. -0.005 min
 Lab File: VE250624N02.D
 Acq: 24 Jun 2025 10:48 pm

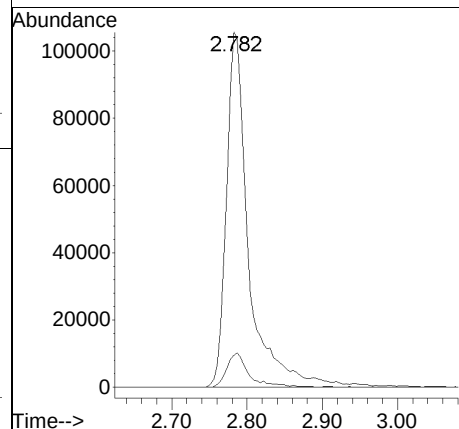
Tgt Ion: 96	Resp: 72109
Ion Ratio	Lower Upper
96 100	
61 175.2	158.3 237.5
63 56.6	50.2 75.2

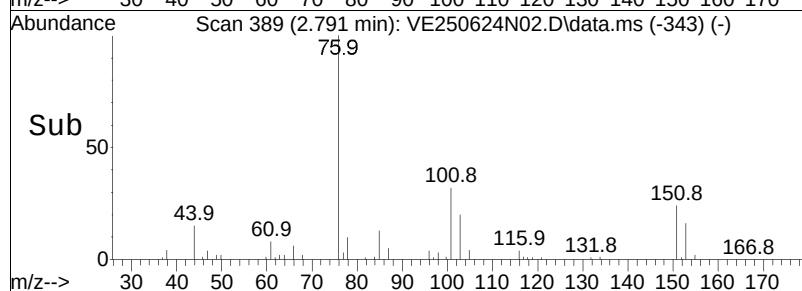
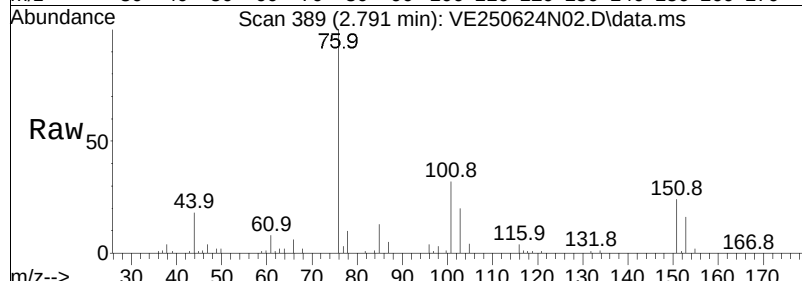
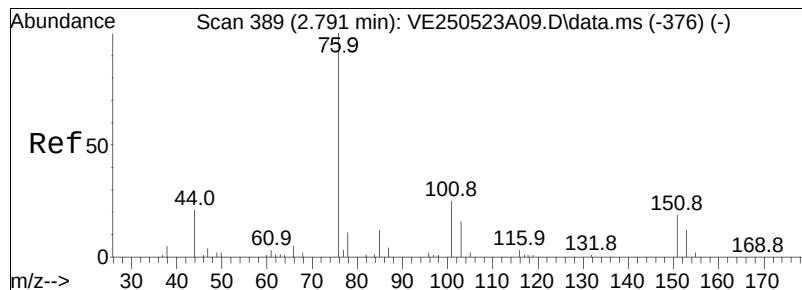




#11
Carbon disulfide
Concen: 10.93 ug/L
RT: 2.782 min Scan# 387
Delta R.T. -0.005 min
Lab File: VE250624N02.D
Acq: 24 Jun 2025 10:48 pm

Tgt Ion:	76	Resp:	219509
Ion Ratio	Lower	Upper	
76	100		
78	9.7	6.6	13.8





#12

Freon-113

Concen: 11.77 ug/L

RT: 2.791 min Scan# 389

Delta R.T. -0.000 min

Lab File: VE250624N02.D

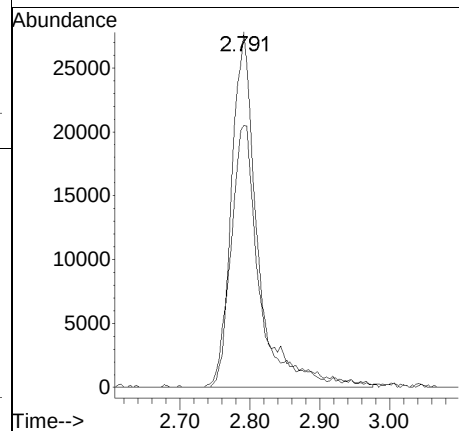
Acq: 24 Jun 2025 10:48 pm

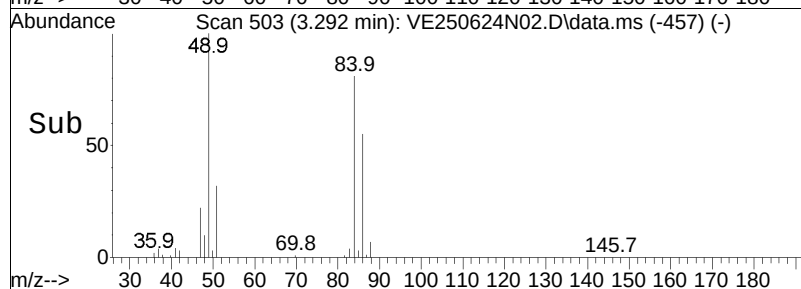
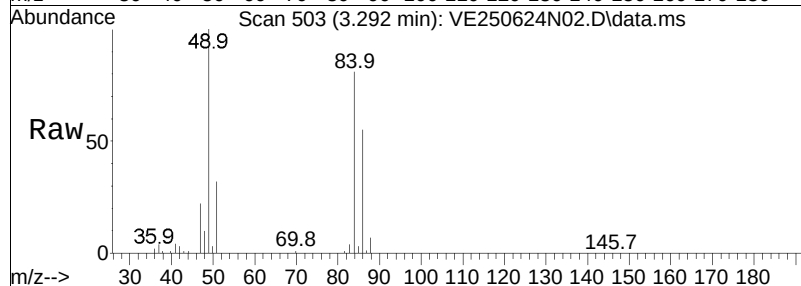
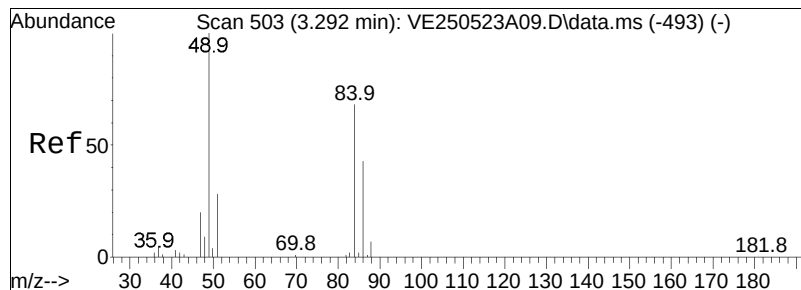
Tgt Ion:101 Resp: 73879

Ion Ratio Lower Upper

101 100

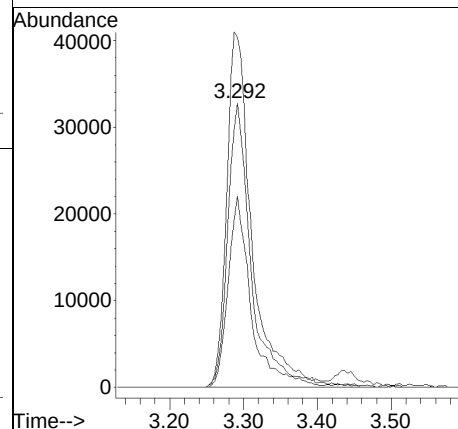
151 78.8 64.5 96.7

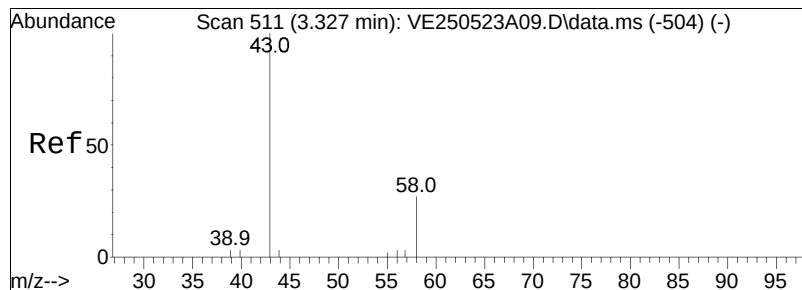




#15
Methylene chloride
Concen: 10.67 ug/L
RT: 3.292 min Scan# 503
Delta R.T. -0.000 min
Lab File: VE250624N02.D
Acq: 24 Jun 2025 10:48 pm

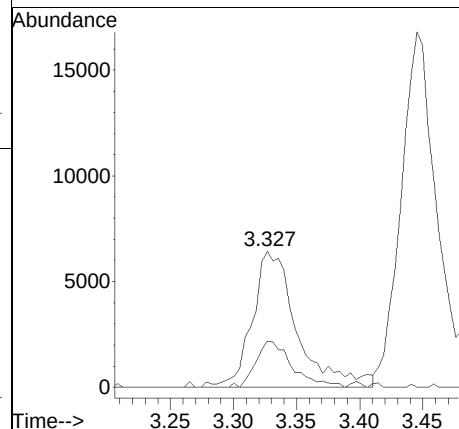
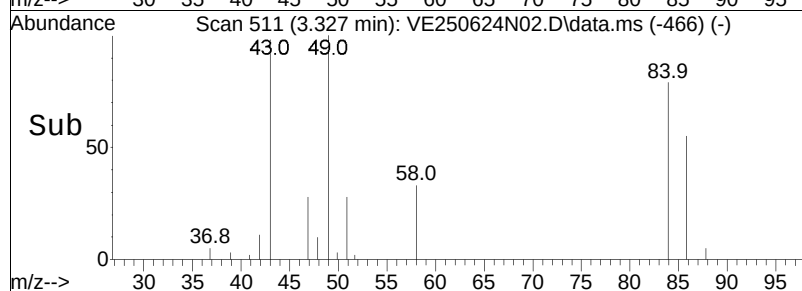
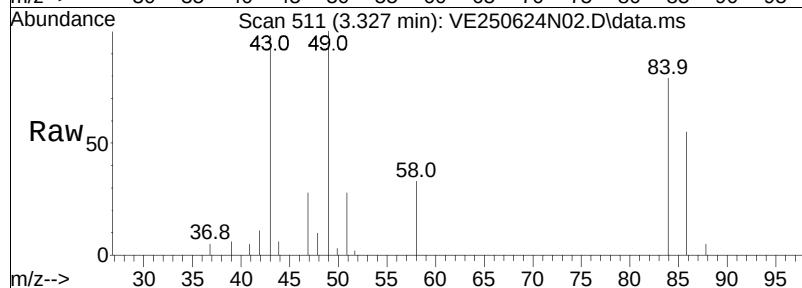
Tgt	Ion	Resp	Lower	Upper
84	100			
86	65.7	40.6	84.4	
49	136.8	100.0	207.6	

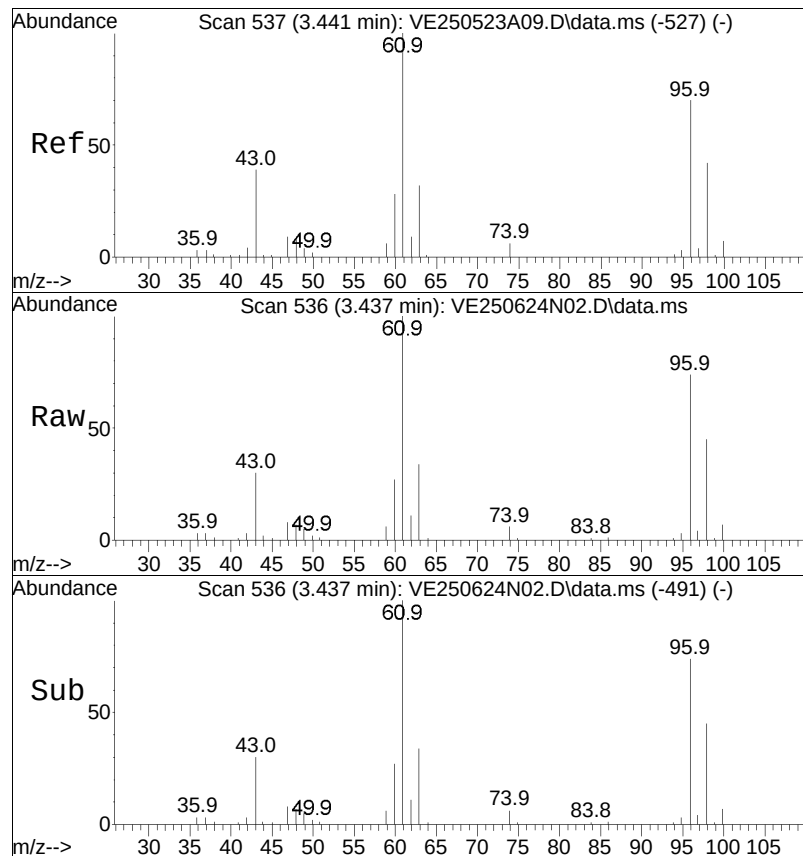




#17
Acetone
Concen: 10.24 ug/L
RT: 3.327 min Scan# 511
Delta R.T. -0.000 min
Lab File: VE250624N02.D
Acq: 24 Jun 2025 10:48 pm

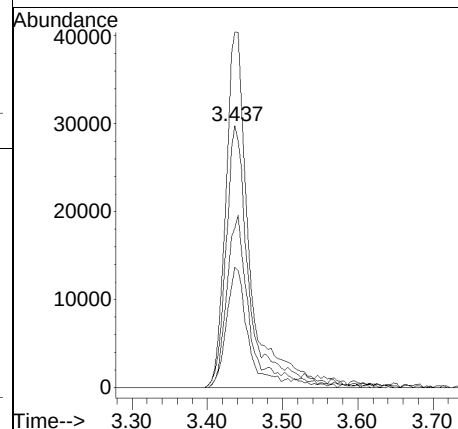
Tgt Ion: 43 Resp: 15966
Ion Ratio Lower Upper
43 100
58 27.7 22.4 33.6

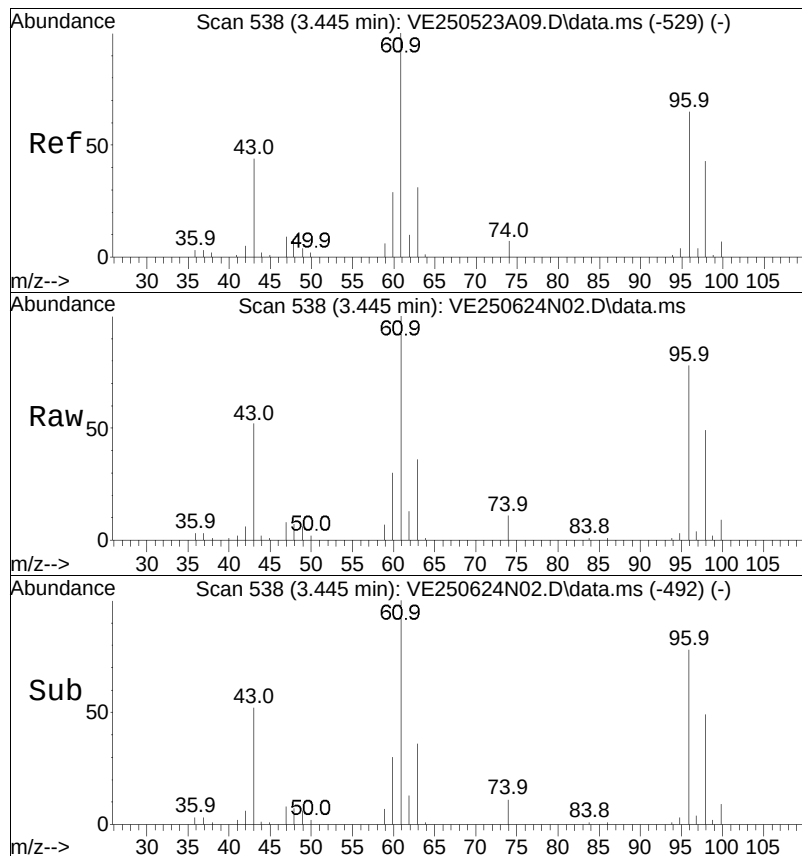




#18
 trans-1,2-Dichloroethene
 Concen: 10.25 ug/L
 RT: 3.437 min Scan# 536
 Delta R.T. -0.004 min
 Lab File: VE250624N02.D
 Acq: 24 Jun 2025 10:48 pm

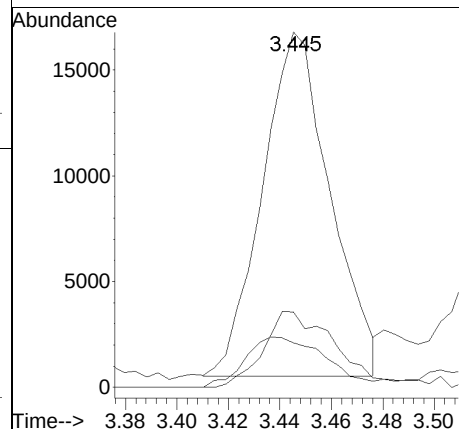
Tgt Ion: 96	Resp: 66635
Ion Ratio	Lower Upper
96 100	
61 136.6	99.5 206.6
98 64.3	40.5 84.1
63 43.9	32.0 66.4

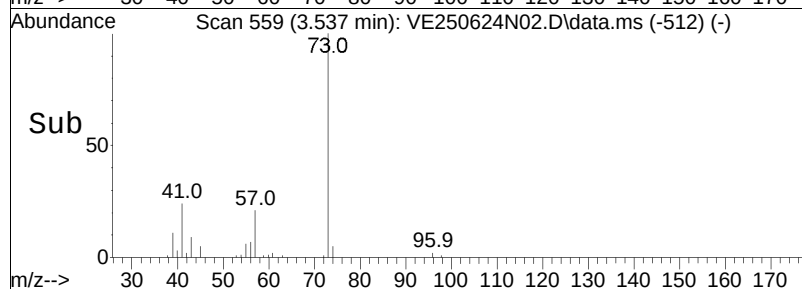
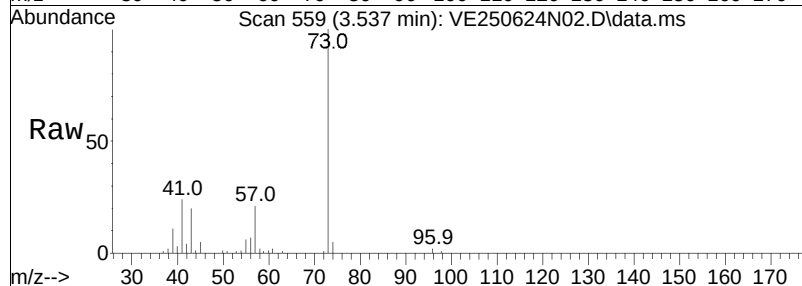
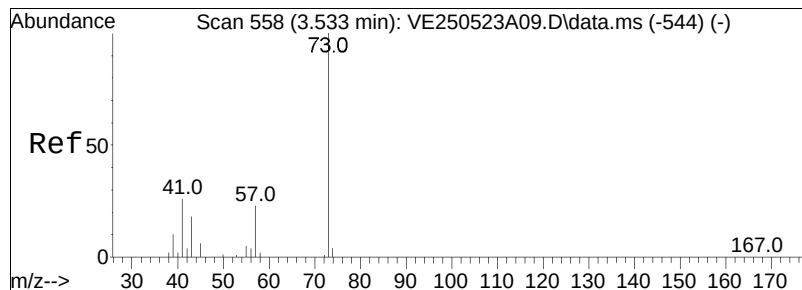




#19
Methyl acetate
Concen: 7.96 ug/L M1
RT: 3.445 min Scan# 538
Delta R.T. 0.000 min
Lab File: VE250624N02.D
Acq: 24 Jun 2025 10:48 pm

Tgt Ion:	43	Resp:	29761
Ion Ratio	Lower	Upper	
43	100		
74	23.8	17.4	26.2
59	19.1	16.1	24.1





#21

Methyl tert-butyl ether

Concen: 9.49 ug/L

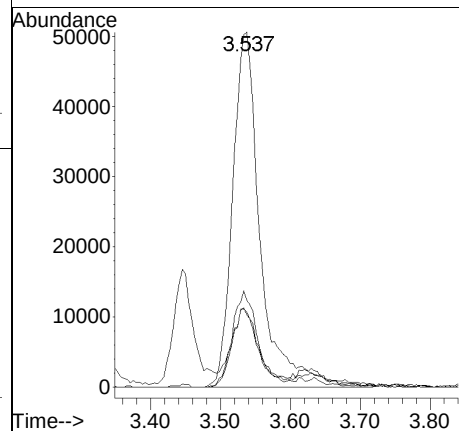
RT: 3.537 min Scan# 559

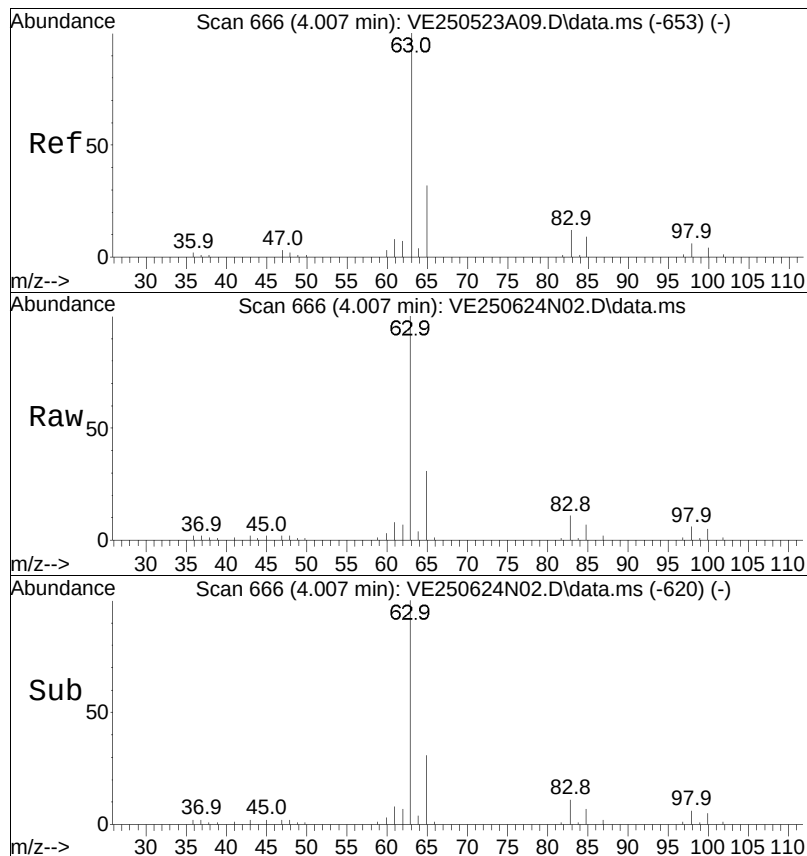
Delta R.T. 0.004 min

Lab File: VE250624N02.D

Acq: 24 Jun 2025 10:48 pm

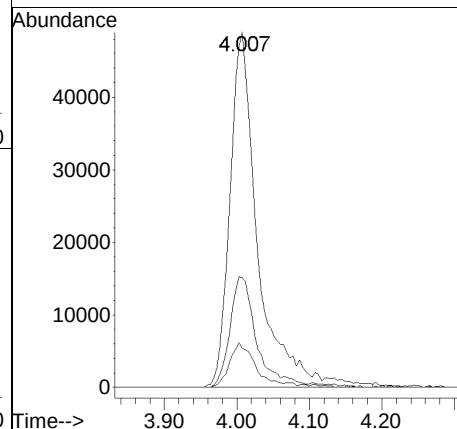
Tgt Ion:	73	Resp:	140823
Ion Ratio	Lower	Upper	
73	100		
57	24.1	17.6	36.5
43	0.0	0.0	0.0
41	31.7	22.8	47.4

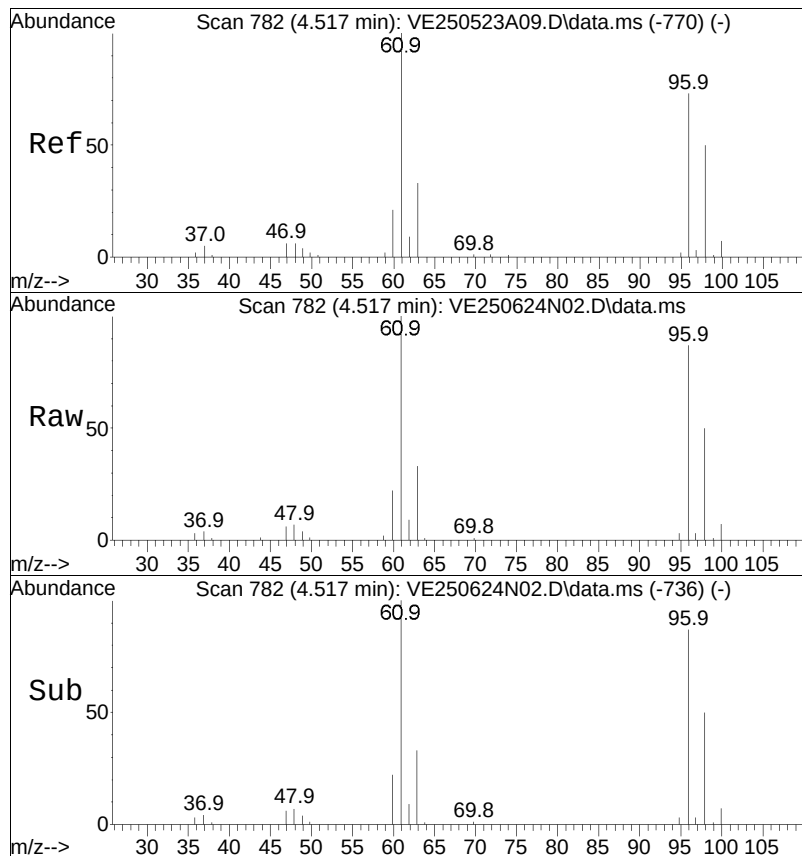




#25
 1,1-Dichloroethane
 Concen: 10.28 ug/L
 RT: 4.007 min Scan# 666
 Delta R.T. -0.000 min
 Lab File: VE250624N02.D
 Acq: 24 Jun 2025 10:48 pm

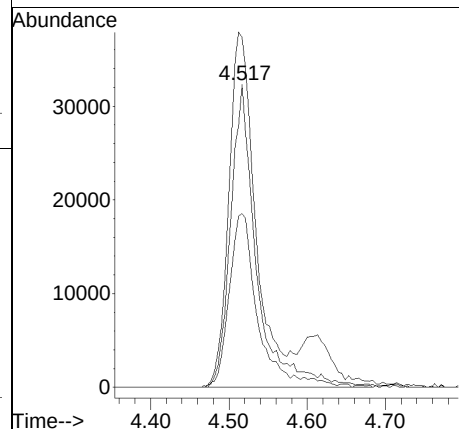
Tgt Ion	Ratio	Lower	Upper
63	100		
65	30.7	10.0	50.0
83	12.5	0.0	32.2

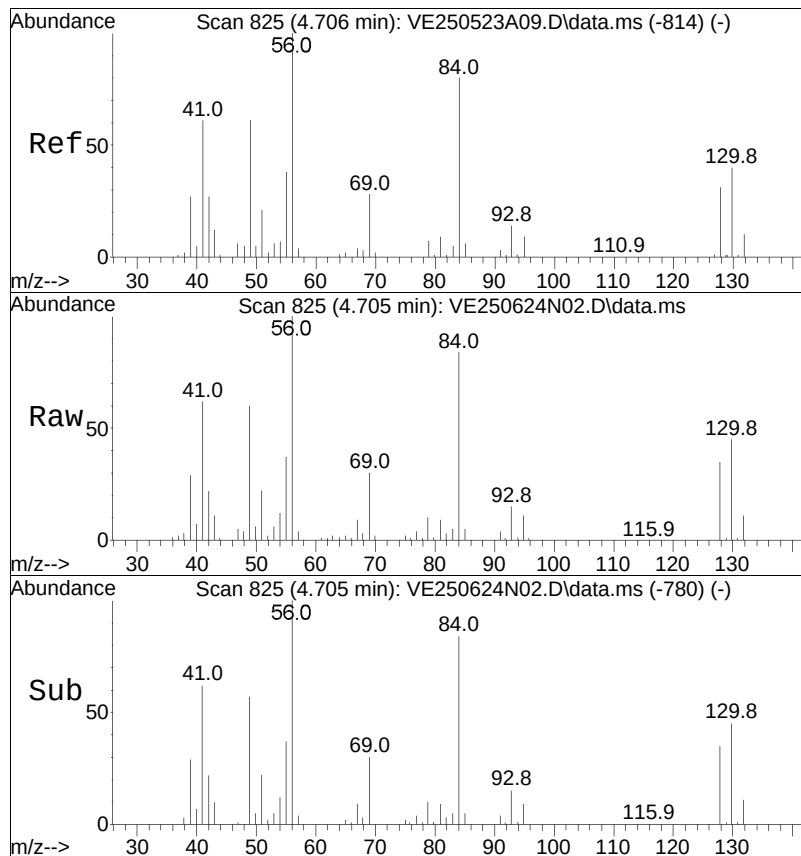




#30
 cis-1,2-Dichloroethene
 Concen: 9.95 ug/L
 RT: 4.517 min Scan# 782
 Delta R.T. -0.000 min
 Lab File: VE250624N02.D
 Acq: 24 Jun 2025 10:48 pm

Tgt Ion	Ratio	Lower	Upper
96	100		
61	144.5	131.5	197.3
98	63.5	51.8	77.8





#33

Bromochloromethane

Concen: 10.76 ug/L

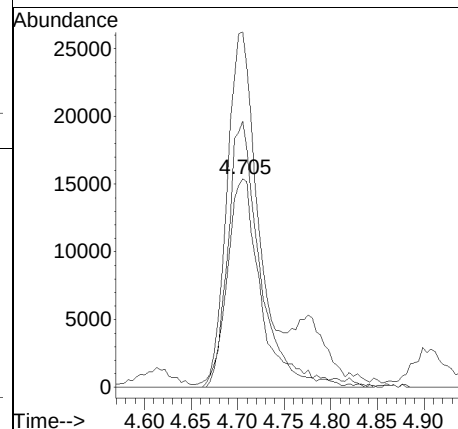
RT: 4.705 min Scan# 825

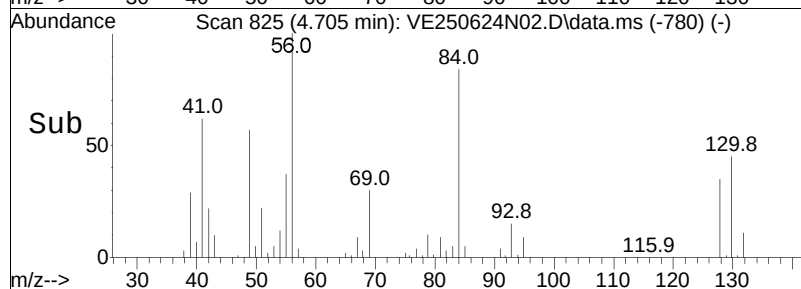
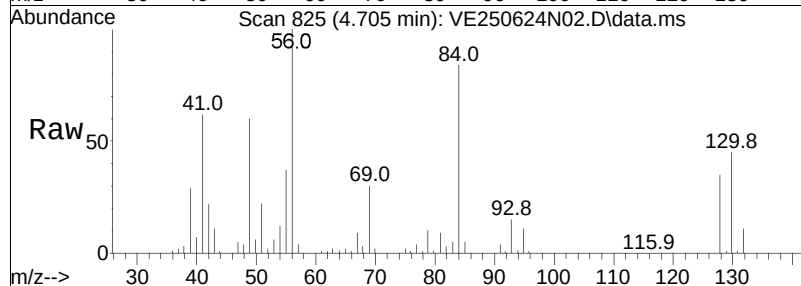
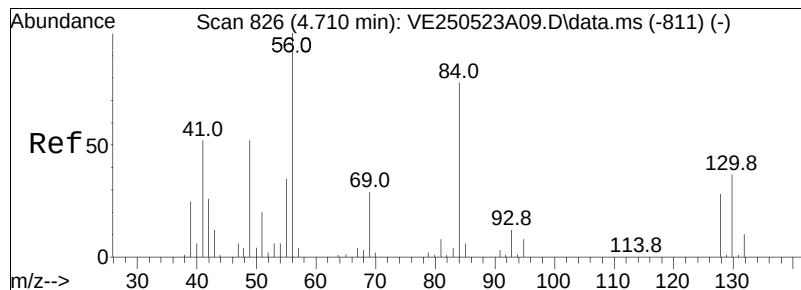
Delta R.T. -0.000 min

Lab File: VE250624N02.D

Acq: 24 Jun 2025 10:48 pm

Tgt	Ion:128	Resp:	38635
Ion	Ratio	Lower	Upper
128	100		
49	191.2	194.2	291.2#
130	125.3	99.7	149.5





#34

Cyclohexane

Concen: 9.29 ug/L

RT: 4.705 min Scan# 825

Delta R.T. -0.005 min

Lab File: VE250624N02.D

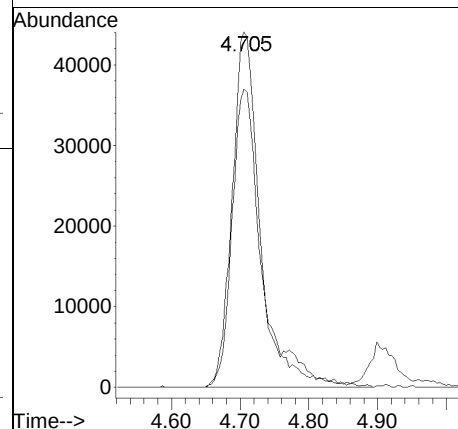
Acq: 24 Jun 2025 10:48 pm

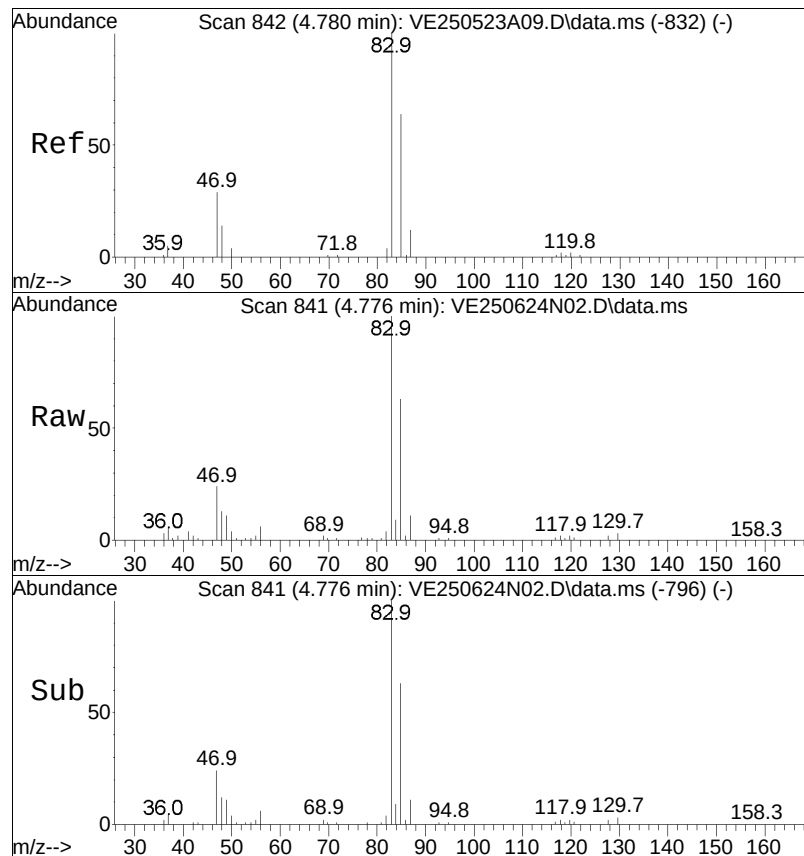
Tgt Ion: 56 Resp: 126395

Ion Ratio Lower Upper

56 100

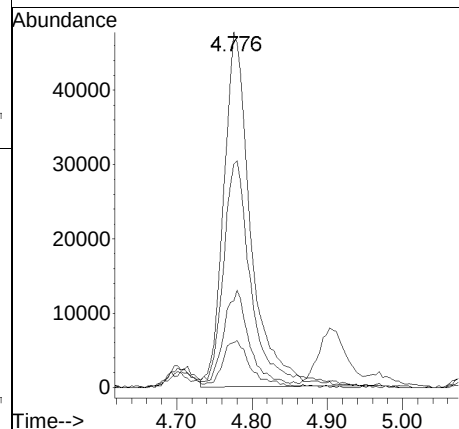
84 88.5 51.9 107.9

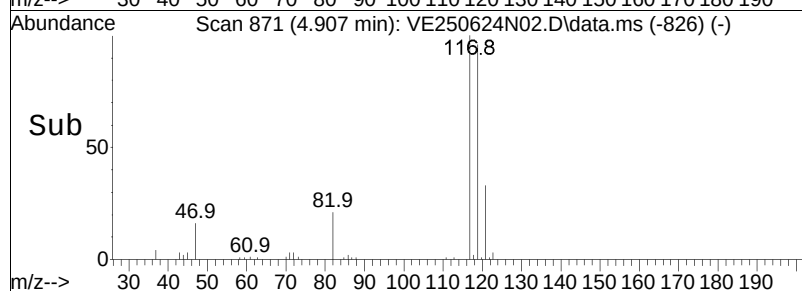
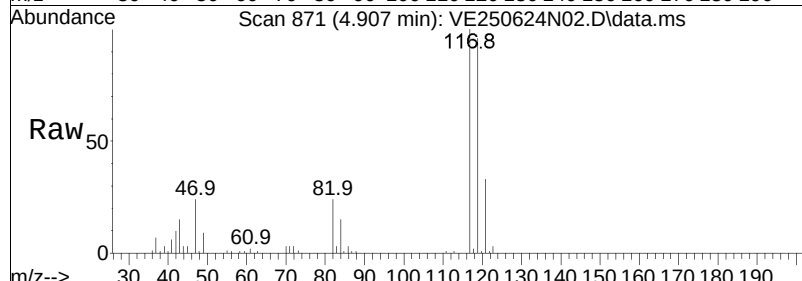
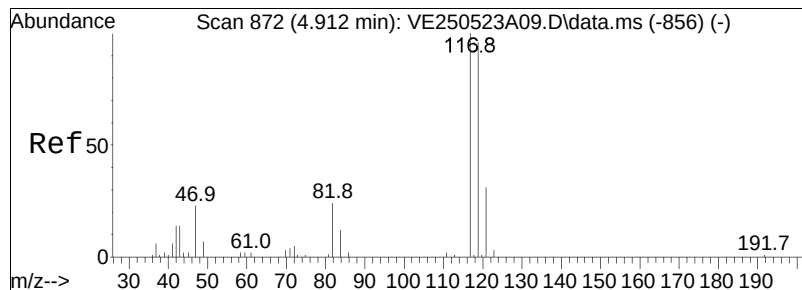




#35
 Chloroform
 Concen: 10.09 ug/L
 RT: 4.776 min Scan# 841
 Delta R.T. -0.005 min
 Lab File: VE250624N02.D
 Acq: 24 Jun 2025 10:48 pm

Tgt Ion:	83	Resp:	120883
Ion Ratio	Lower	Upper	
83	100		
85	66.0	41.7	86.5
47	23.7	17.4	36.2
48	13.7	9.2	19.0





#37

Carbon tetrachloride

Concen: 10.36 ug/L M1

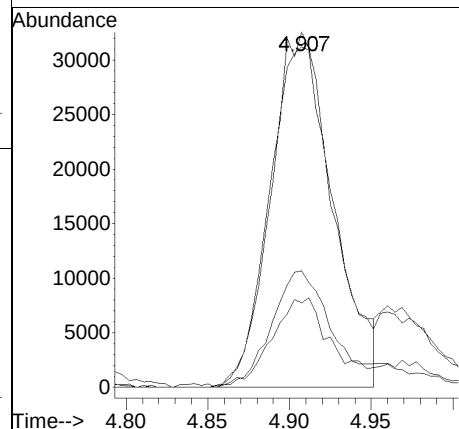
RT: 4.907 min Scan# 871

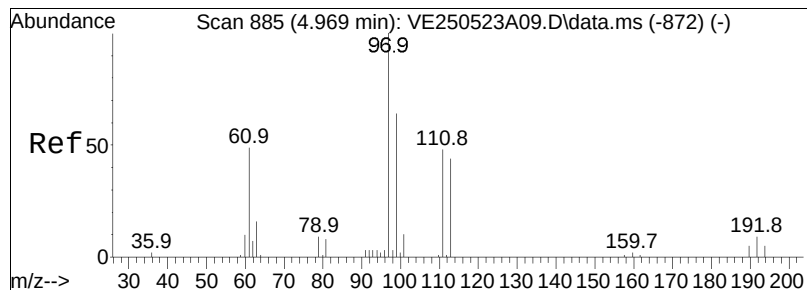
Delta R.T. -0.005 min

Lab File: VE250624N02.D

Acq: 24 Jun 2025 10:48 pm

Tgt Ion:	117	Resp:	87368
Ion Ratio	Lower	Upper	
117	100		
119	117.9	70.5	146.5
121	38.4	23.0	47.8
82	29.8	19.2	39.8





#40

1,1,1-Trichloroethane

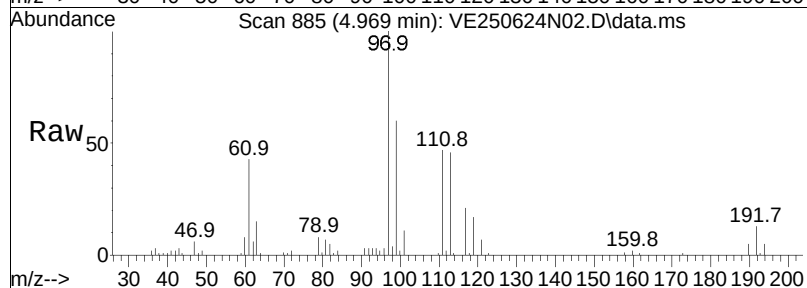
Concen: 10.18 ug/L

RT: 4.969 min Scan# 885

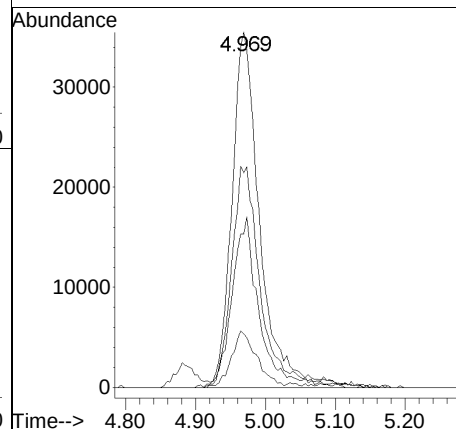
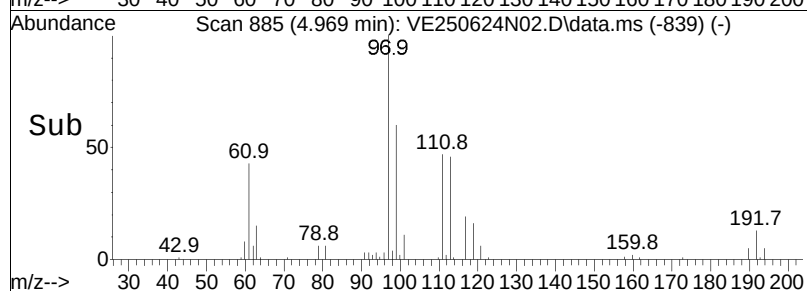
Delta R.T. -0.000 min

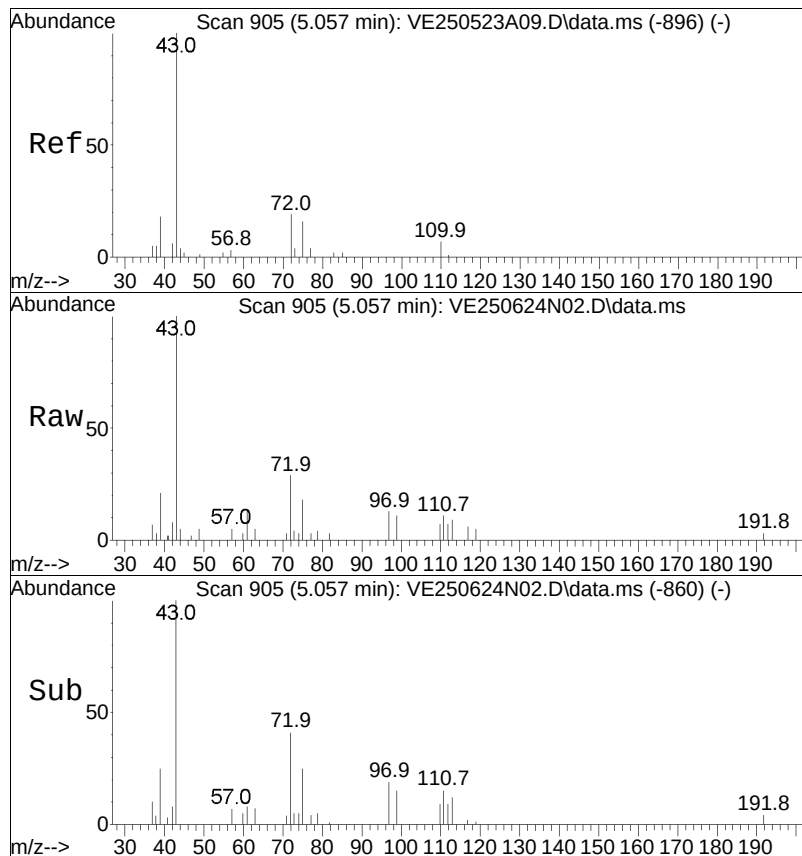
Lab File: VE250624N02.D

Acq: 24 Jun 2025 10:48 pm



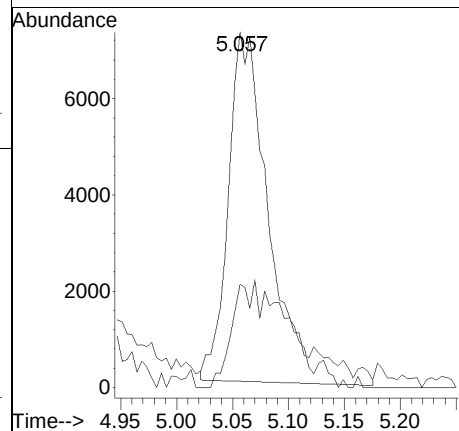
Tgt Ion:	97	Resp:	99227
Ion Ratio	Lower	Upper	
97	100		
99	64.3	41.2	85.6
61	47.6	32.8	68.2
63	15.9	10.1	20.9

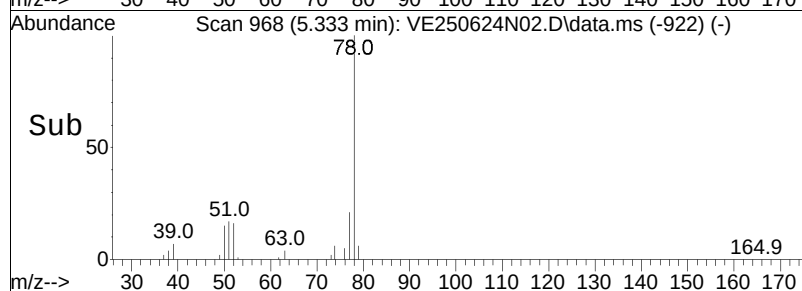
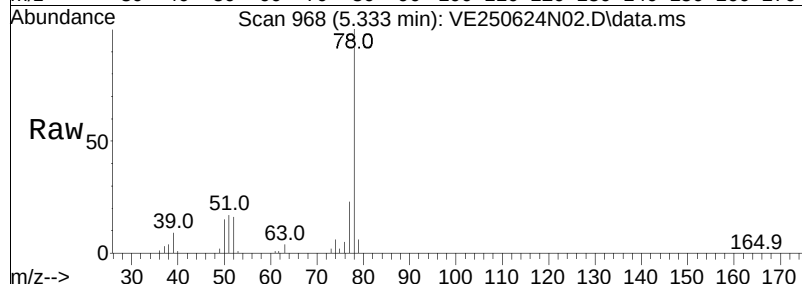
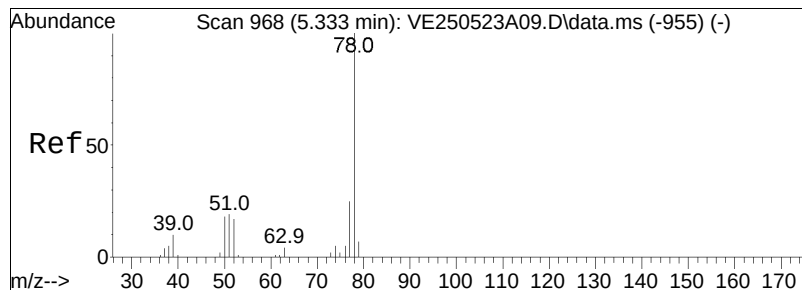




#42
 2-Butanone
 Concen: 8.48 ug/L
 RT: 5.057 min Scan# 905
 Delta R.T. -0.000 min
 Lab File: VE250624N02.D
 Acq: 24 Jun 2025 10:48 pm

Tgt Ion: 43 Resp: 19068
 Ion Ratio Lower Upper
 43 100
 72 40.2 30.2 45.4





#45

Benzene

Concen: 9.83 ug/L

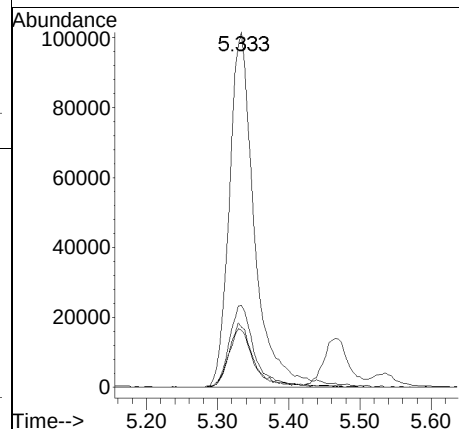
RT: 5.333 min Scan# 968

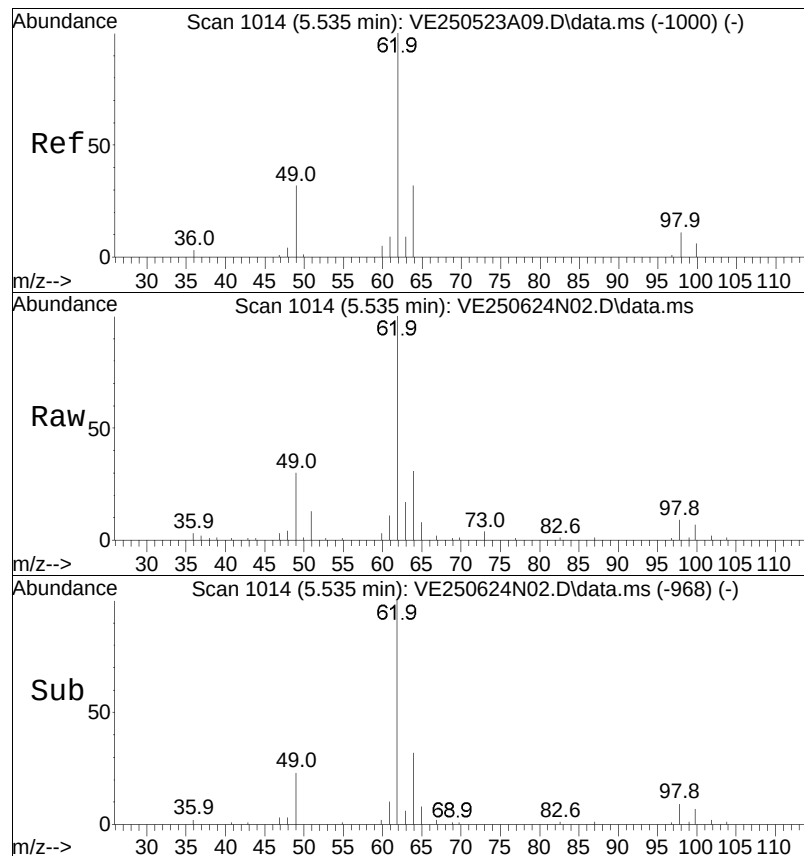
Delta R.T. -0.000 min

Lab File: VE250624N02.D

Acq: 24 Jun 2025 10:48 pm

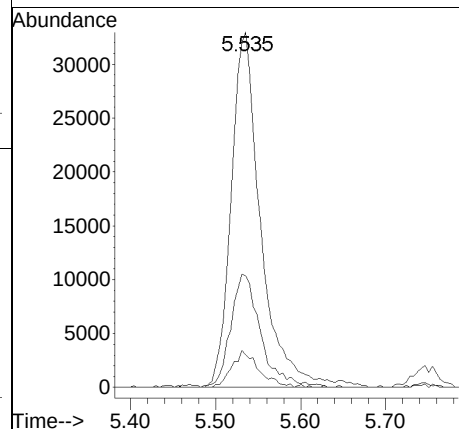
Tgt Ion:	78	Resp:	251718
Ion Ratio	Lower	Upper	
78	100		
77	23.4	15.1	31.3
51	17.5	12.7	26.5
52	17.0	12.2	25.4

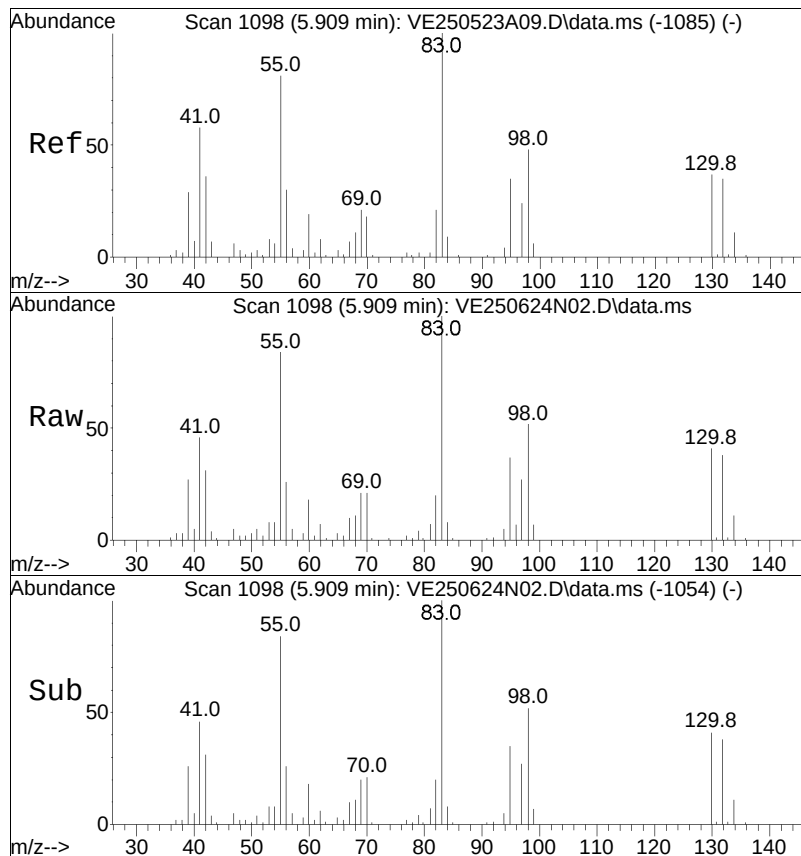




#48
 1,2-Dichloroethane
 Concen: 10.46 ug/L
 RT: 5.535 min Scan# 1014
 Delta R.T. -0.000 min
 Lab File: VE250624N02.D
 Acq: 24 Jun 2025 10:48 pm

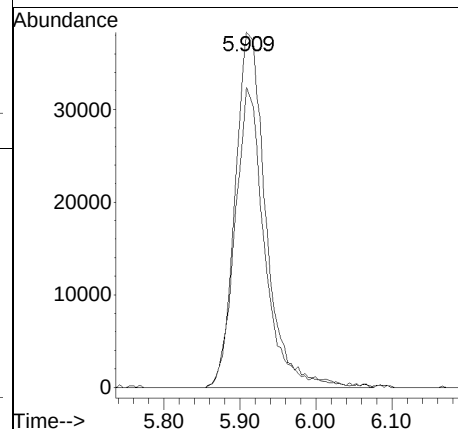
Tgt Ion	Ratio	Lower	Upper
62	100		
64	32.4	12.6	52.6
98	9.5	0.0	28.3

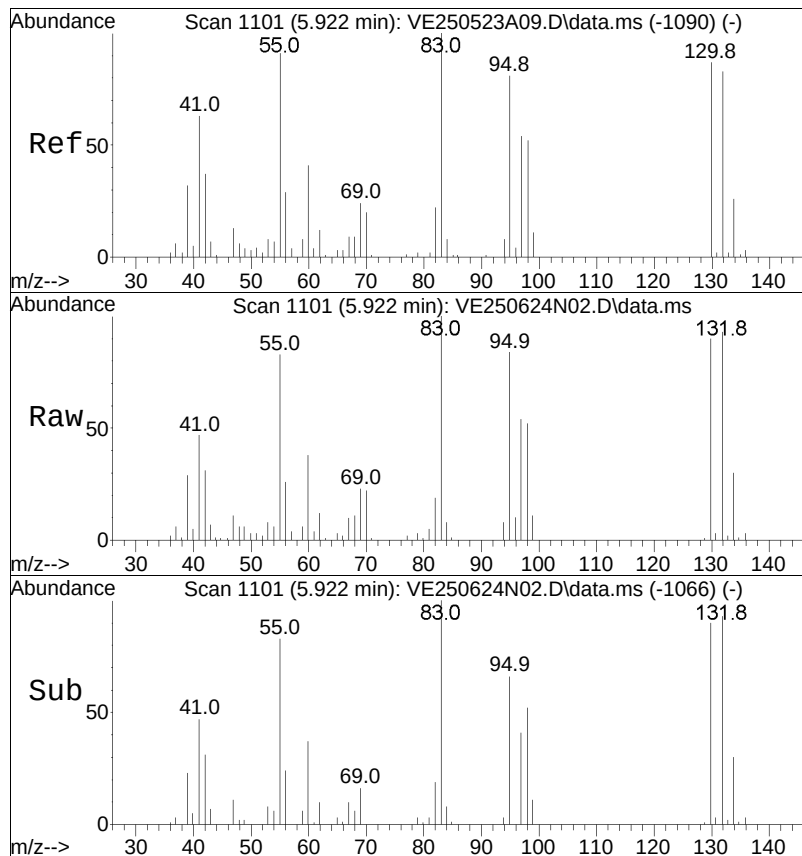




#51
Methyl cyclohexane
Concen: 9.39 ug/L
RT: 5.909 min Scan# 1098
Delta R.T. -0.000 min
Lab File: VE250624N02.D
Acq: 24 Jun 2025 10:48 pm

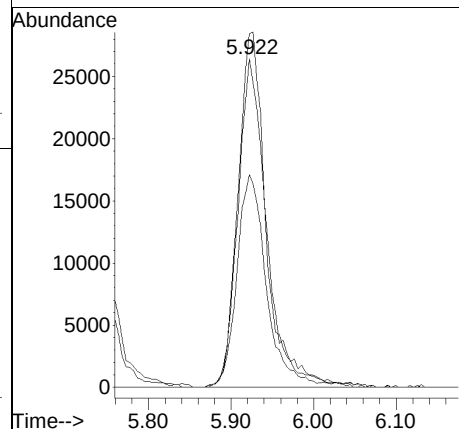
Tgt	Ion	Resp	Lower	Upper
83	100			
55	81.0	72.5	108.7	

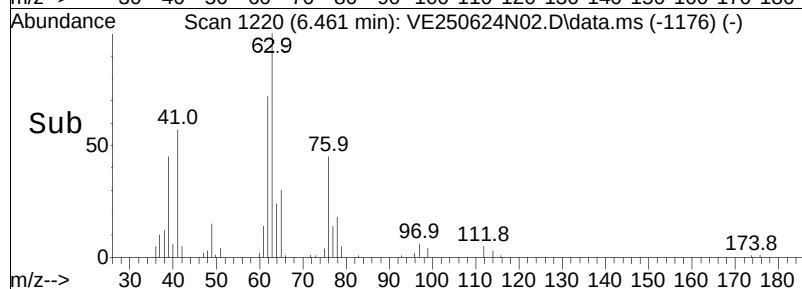
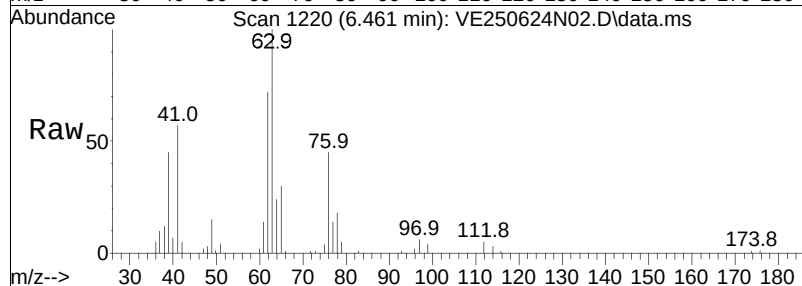
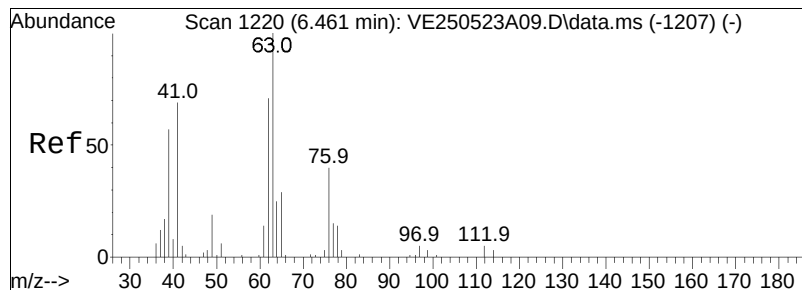




#52
 Trichloroethene
 Concen: 10.11 ug/L
 RT: 5.922 min Scan# 1101
 Delta R.T. -0.000 min
 Lab File: VE250624N02.D
 Acq: 24 Jun 2025 10:48 pm

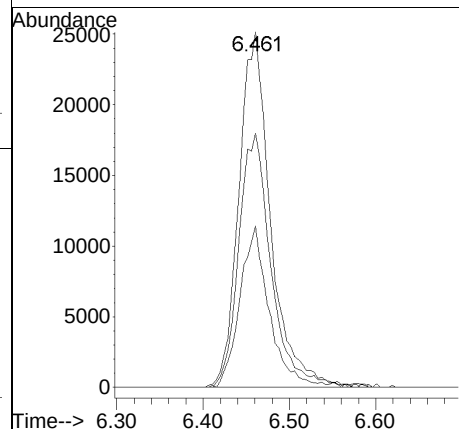
Tgt Ion	Ratio	Lower	Upper
95	100		
97	68.1	54.6	81.8
130	110.1	79.5	119.3

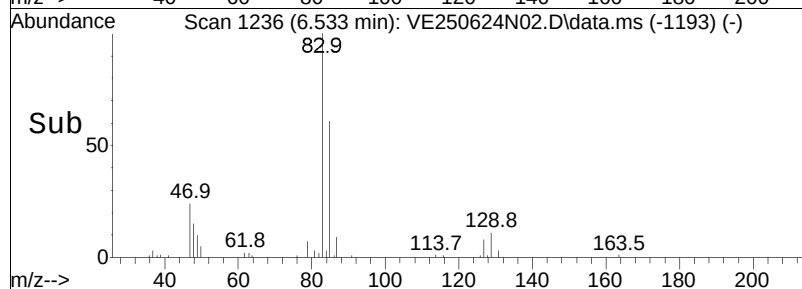
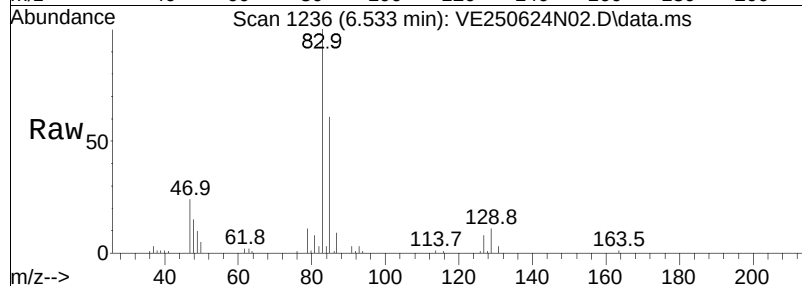
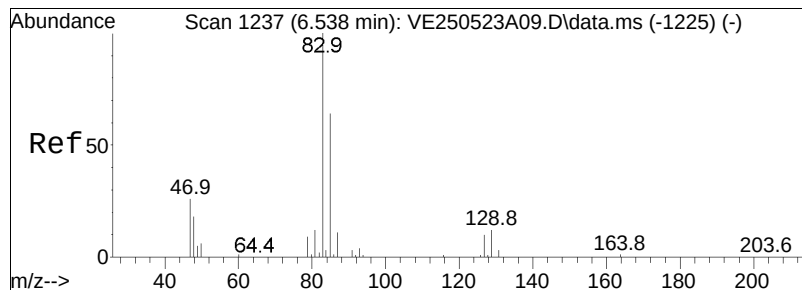




#55
 1,2-Dichloropropane
 Concen: 9.68 ug/L
 RT: 6.461 min Scan# 1220
 Delta R.T. -0.000 min
 Lab File: VE250624N02.D
 Acq: 24 Jun 2025 10:48 pm

Tgt Ion	Ratio	Lower	Upper
63	100		
62	72.3	57.3	85.9
76	42.3	33.4	50.2





#58

Bromodichloromethane

Concen: 9.78 ug/L

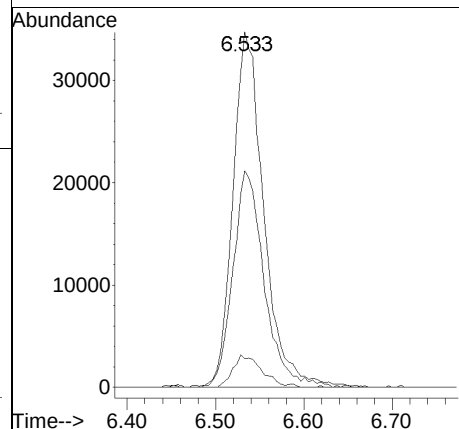
RT: 6.533 min Scan# 1236

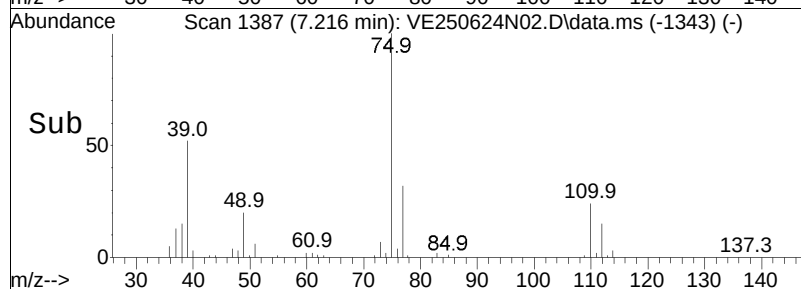
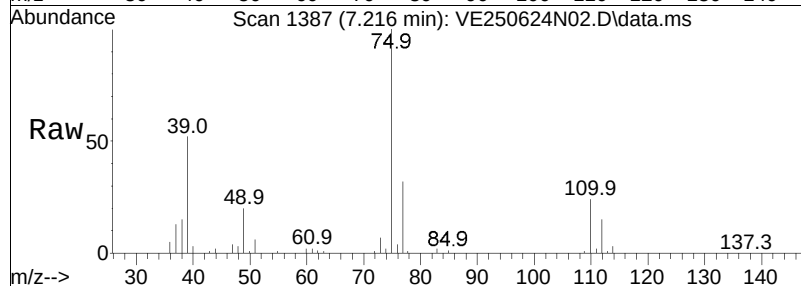
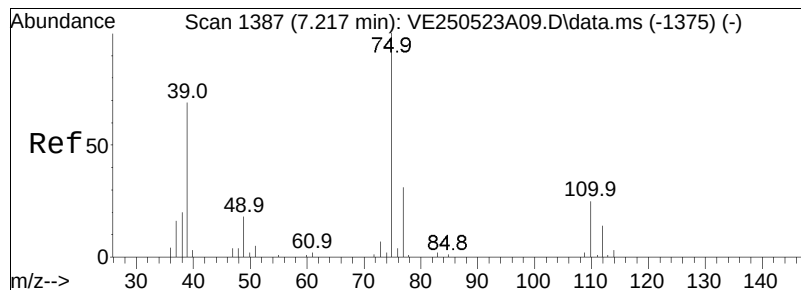
Delta R.T. -0.005 min

Lab File: VE250624N02.D

Acq: 24 Jun 2025 10:48 pm

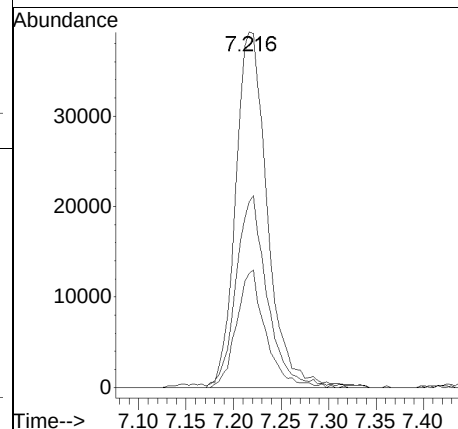
Tgt Ion:	83	Resp:	84468
Ion Ratio	Lower	Upper	
83	100		
85	62.0	51.9	77.9
127	8.7	7.3	10.9

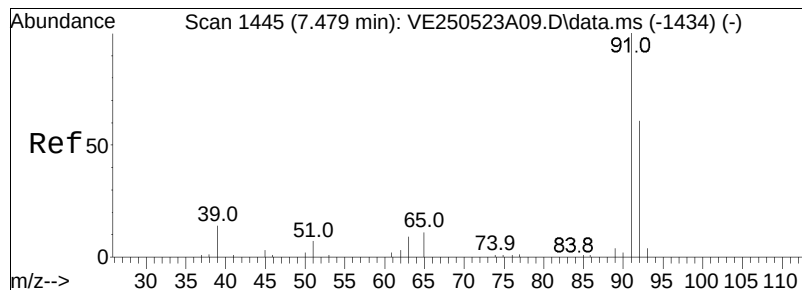




#62
 cis-1,3-Dichloropropene
 Concen: 9.52 ug/L
 RT: 7.216 min Scan# 1387
 Delta R.T. -0.000 min
 Lab File: VE250624N02.D
 Acq: 24 Jun 2025 10:48 pm

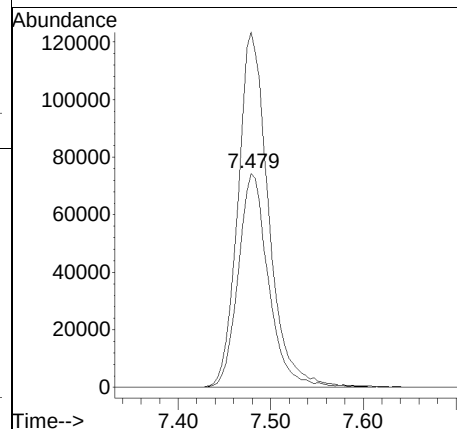
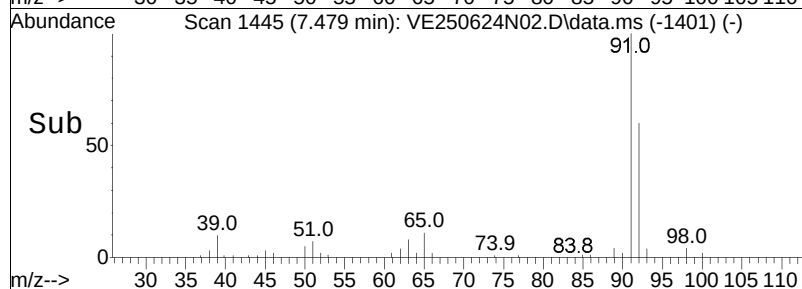
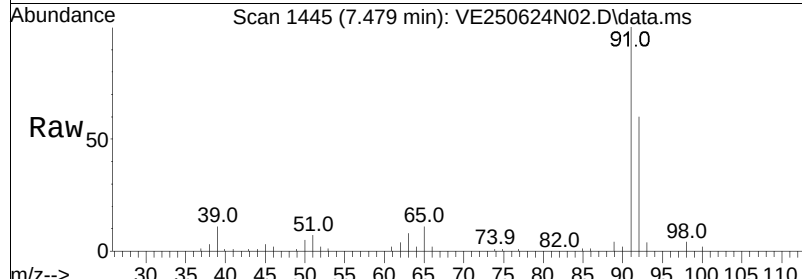
Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.2	25.1	37.7
39	53.3	47.5	71.3

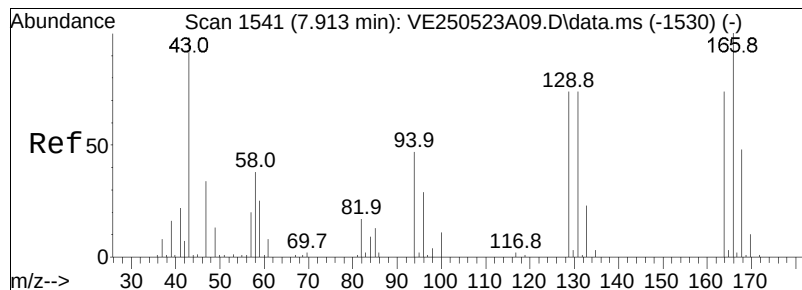




#65
Toluene
Concen: 9.99 ug/L
RT: 7.479 min Scan# 1445
Delta R.T. -0.000 min
Lab File: VE250624N02.D
Acq: 24 Jun 2025 10:48 pm

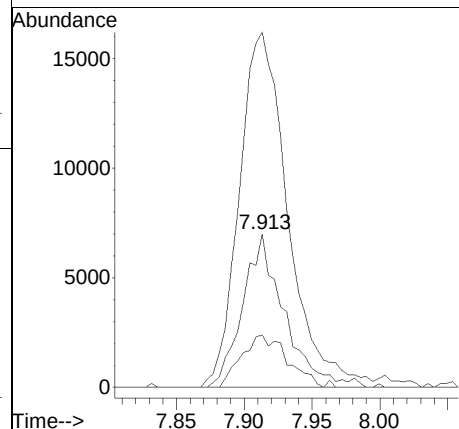
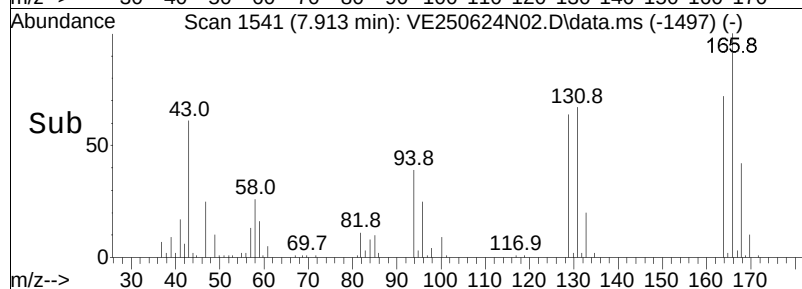
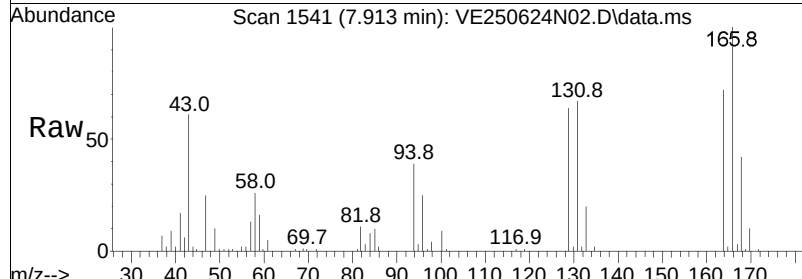
Tgt Ion	Ratio	Lower	Upper
92	100		
91	167.8	134.2	201.2

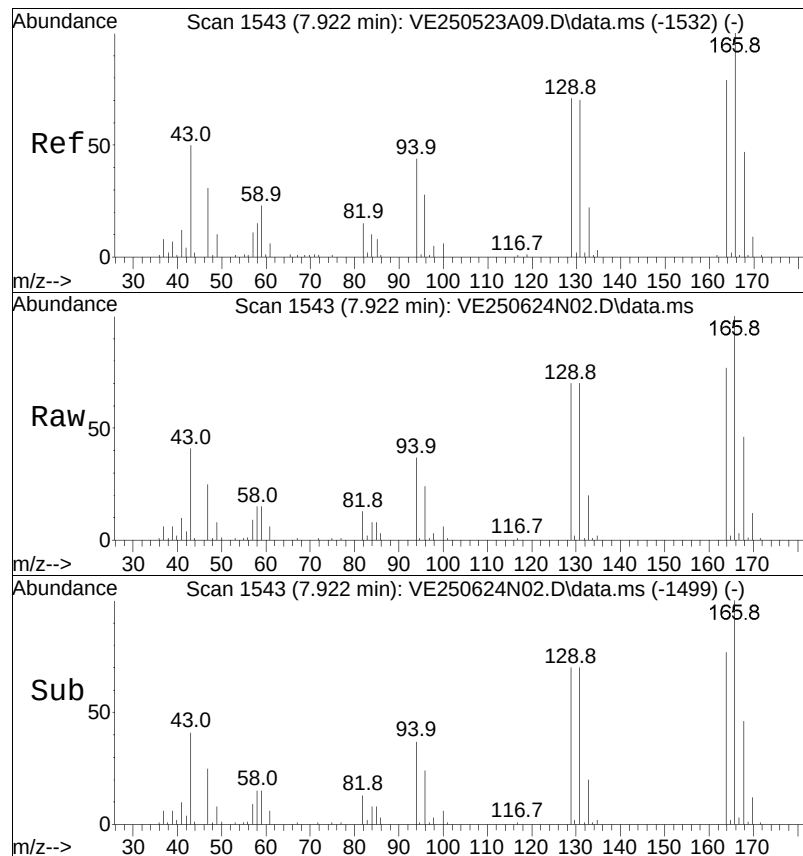




#66
 4-Methyl-2-pentanone
 Concen: 8.89 ug/L
 RT: 7.913 min Scan# 1541
 Delta R.T. -0.000 min
 Lab File: VE250624N02.D
 Acq: 24 Jun 2025 10:48 pm

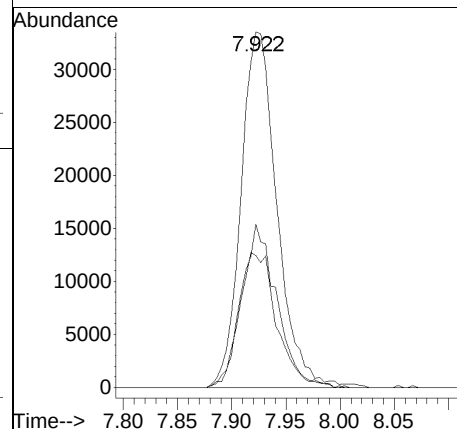
Tgt Ion:	58	Resp:	14958
Ion Ratio	Lower	Upper	
58	100		
100	37.7	29.9	44.9
43	274.1	230.2	345.4

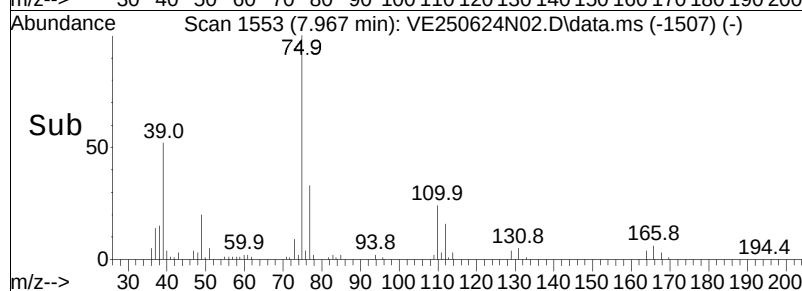
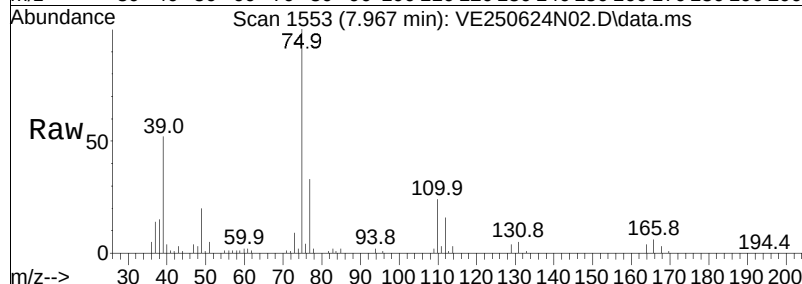
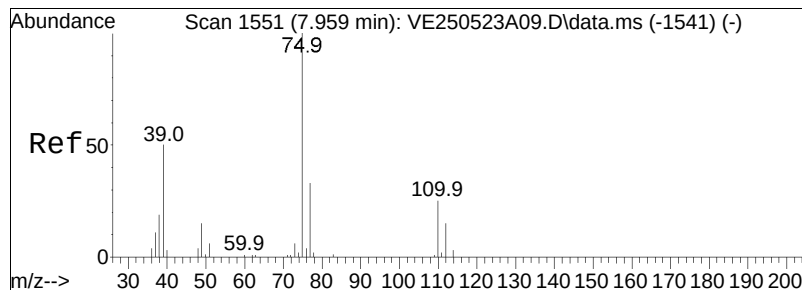




#67
 Tetrachloroethene
 Concen: 10.94 ug/L
 RT: 7.922 min Scan# 1543
 Delta R.T. -0.000 min
 Lab File: VE250624N02.D
 Acq: 24 Jun 2025 10:48 pm

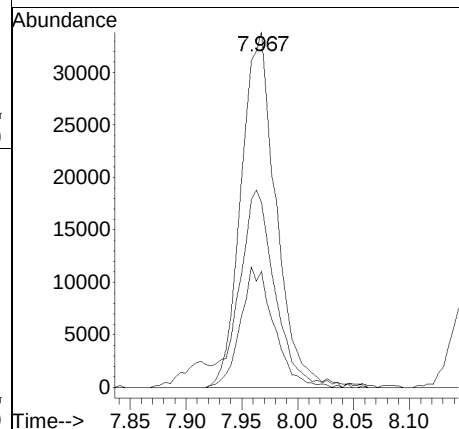
Tgt Ion:	166	Resp:	77408
Ion Ratio	Lower	Upper	
166	100		
168	45.0	28.0	68.0
94	39.5	22.9	62.9

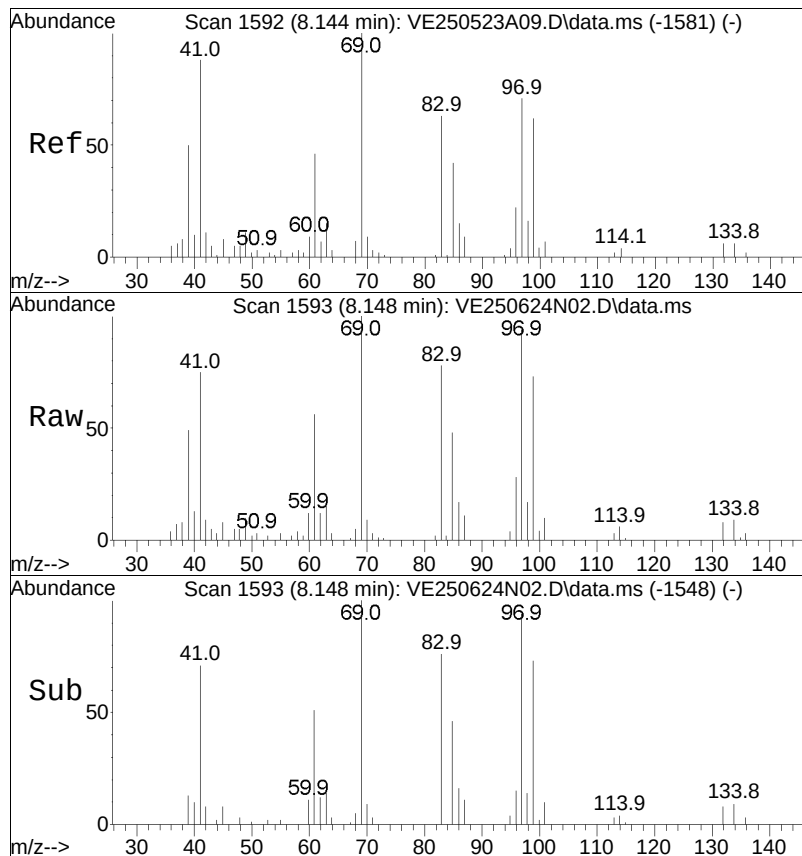




#69
 trans-1,3-Dichloropropene
 Concen: 8.97 ug/L
 RT: 7.967 min Scan# 1553
 Delta R.T. 0.009 min
 Lab File: VE250624N02.D
 Acq: 24 Jun 2025 10:48 pm

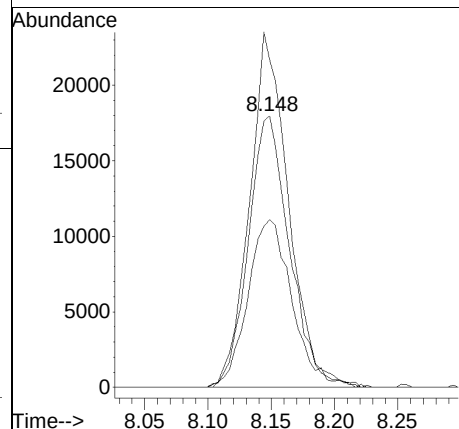
Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.3	11.2	51.2
39	54.7	36.8	76.8

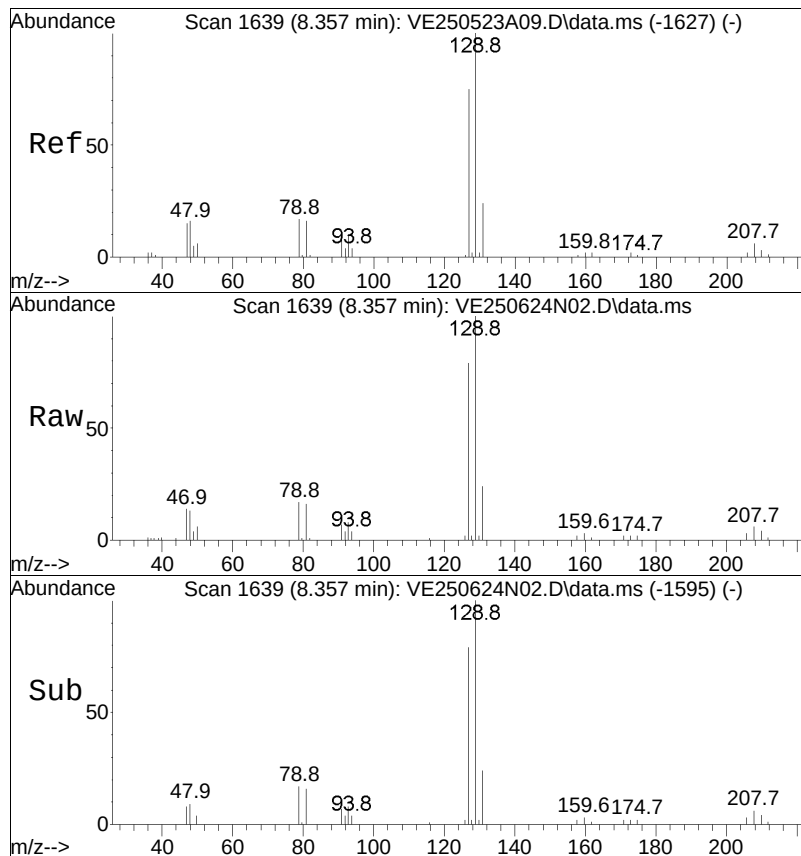




#72
 1,1,2-Trichloroethane
 Concen: 9.95 ug/L
 RT: 8.148 min Scan# 1593
 Delta R.T. 0.004 min
 Lab File: VE250624N02.D
 Acq: 24 Jun 2025 10:48 pm

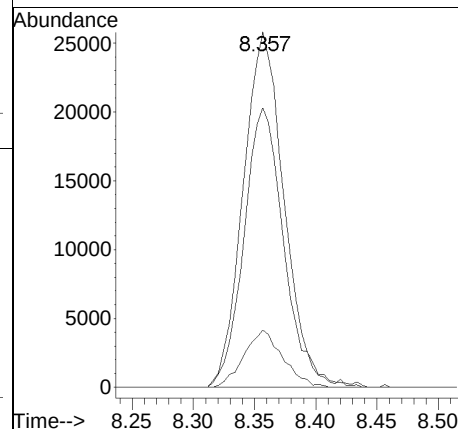
Tgt Ion	Ratio	Lower	Upper
83	100		
97	124.1	93.6	133.6
85	66.4	44.0	84.0

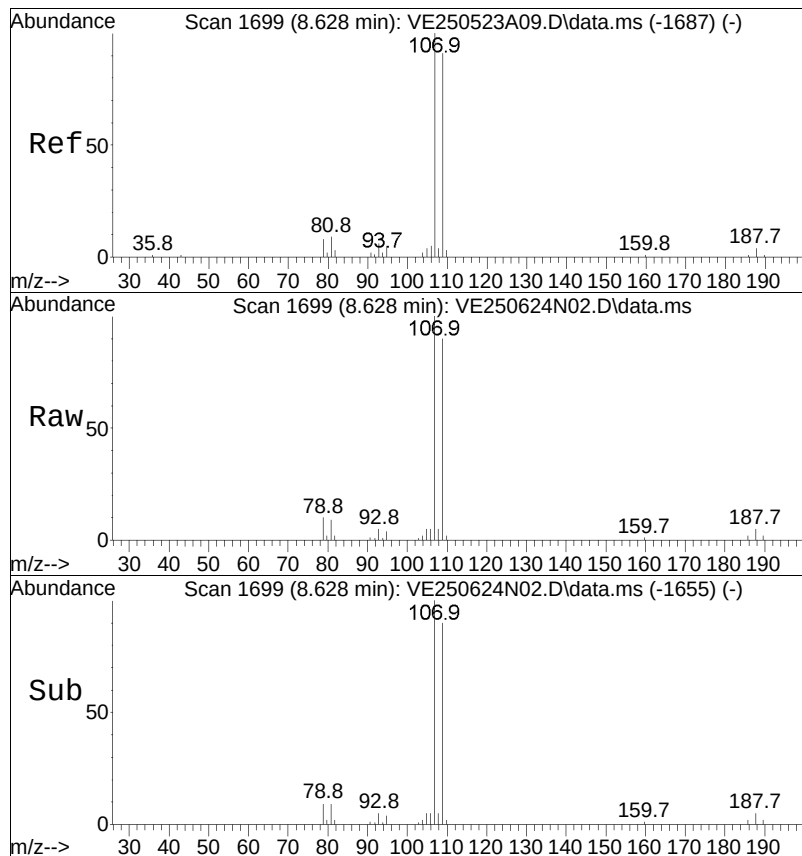




#73
 Chlorodibromomethane
 Concen: 9.44 ug/L
 RT: 8.357 min Scan# 1639
 Delta R.T. -0.000 min
 Lab File: VE250624N02.D
 Acq: 24 Jun 2025 10:48 pm

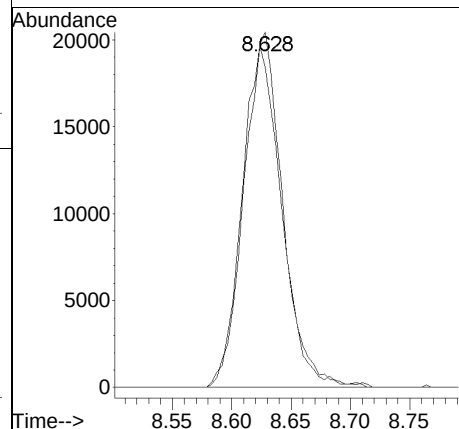
Tgt Ion	Ratio	Lower	Upper
129	100		
81	15.3	0.0	36.6
127	76.5	57.7	97.7

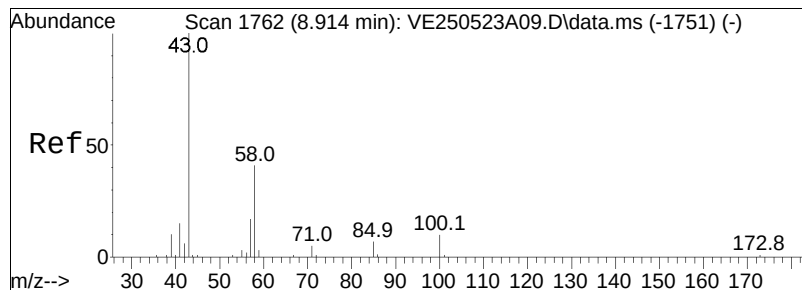




#75
 1,2-Dibromoethane
 Concen: 9.73 ug/L
 RT: 8.628 min Scan# 1699
 Delta R.T. -0.000 min
 Lab File: VE250624N02.D
 Acq: 24 Jun 2025 10:48 pm

Tgt Ion	Ratio	Lower	Upper
107	100		
109	92.7	75.0	112.6





#77

2-Hexanone

Concen: 6.86 ug/L

RT: 8.913 min Scan# 1762

Delta R.T. -0.000 min

Lab File: VE250624N02.D

Acq: 24 Jun 2025 10:48 pm

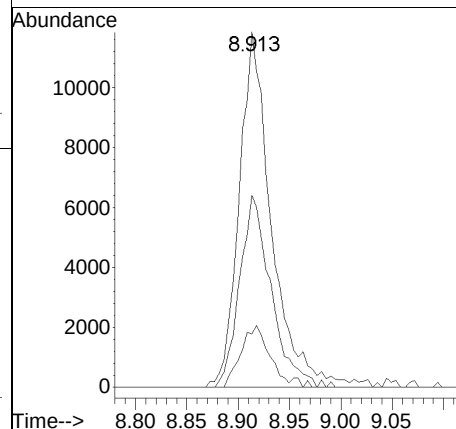
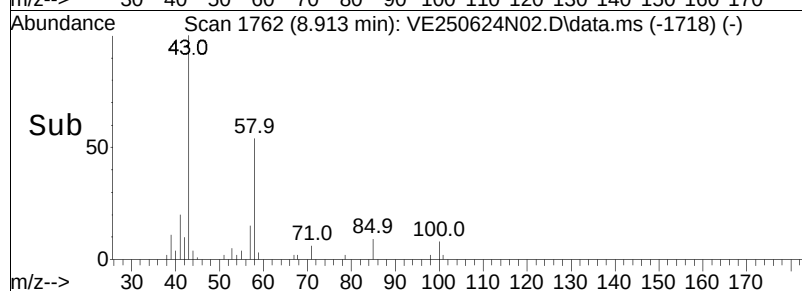
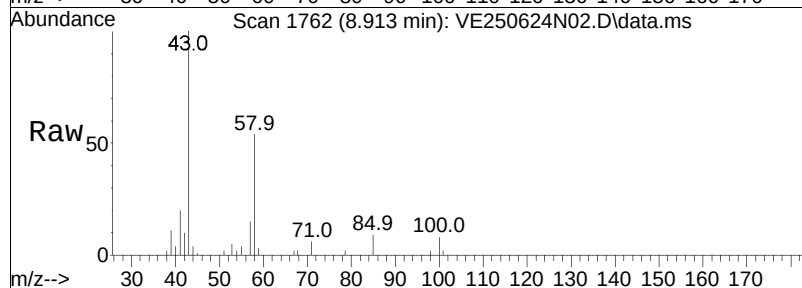
Tgt Ion: 43 Resp: 26143

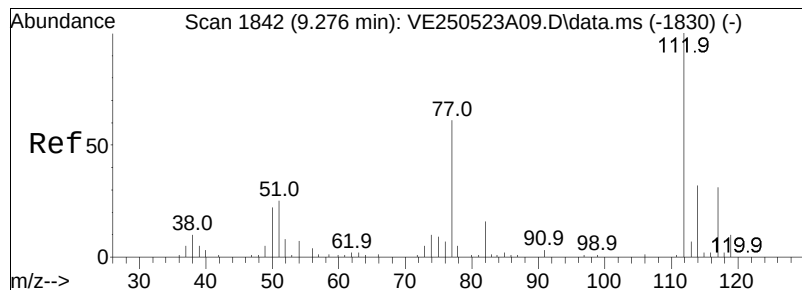
Ion Ratio Lower Upper

43 100

58 52.0 38.6 58.0

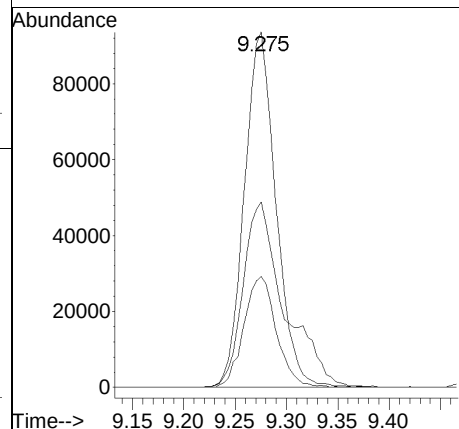
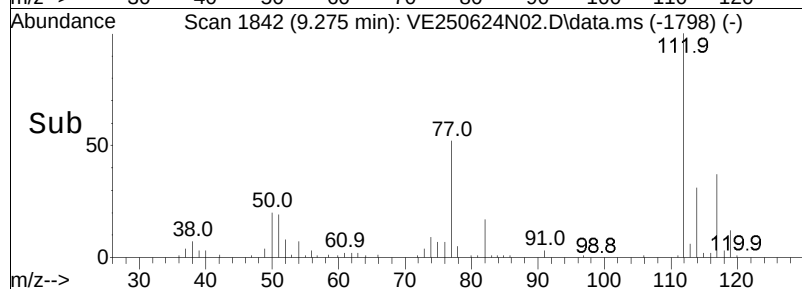
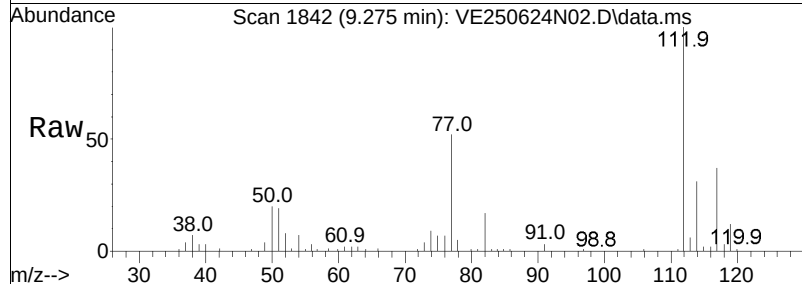
57 16.1 14.5 21.7

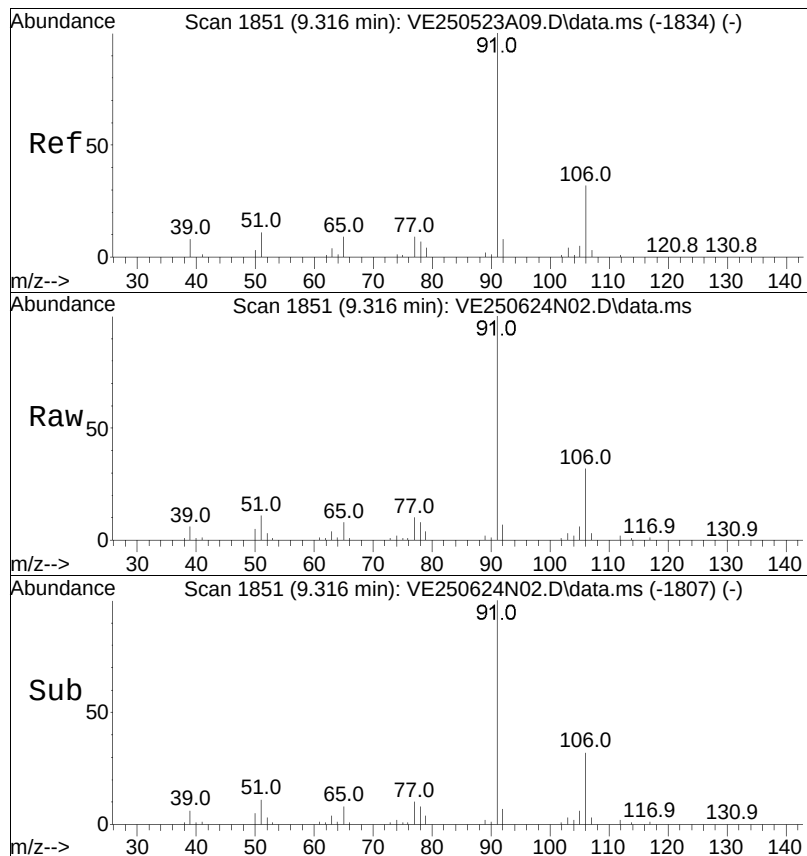




#78
 Chlorobenzene
 Concen: 10.12 ug/L
 RT: 9.275 min Scan# 1842
 Delta R.T. -0.000 min
 Lab File: VE250624N02.D
 Acq: 24 Jun 2025 10:48 pm

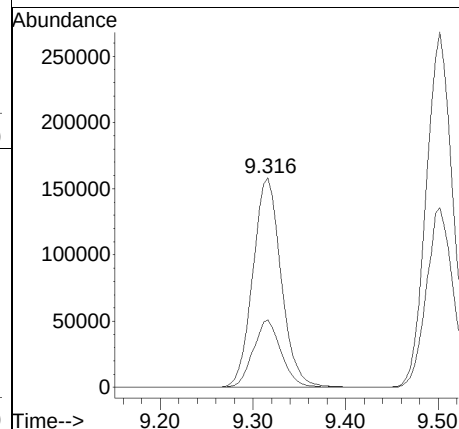
Tgt	Ion:112	Resp:	200420
Ion	Ratio	Lower	Upper
112	100		
77	68.4	61.7	92.5
114	32.1	25.5	38.3

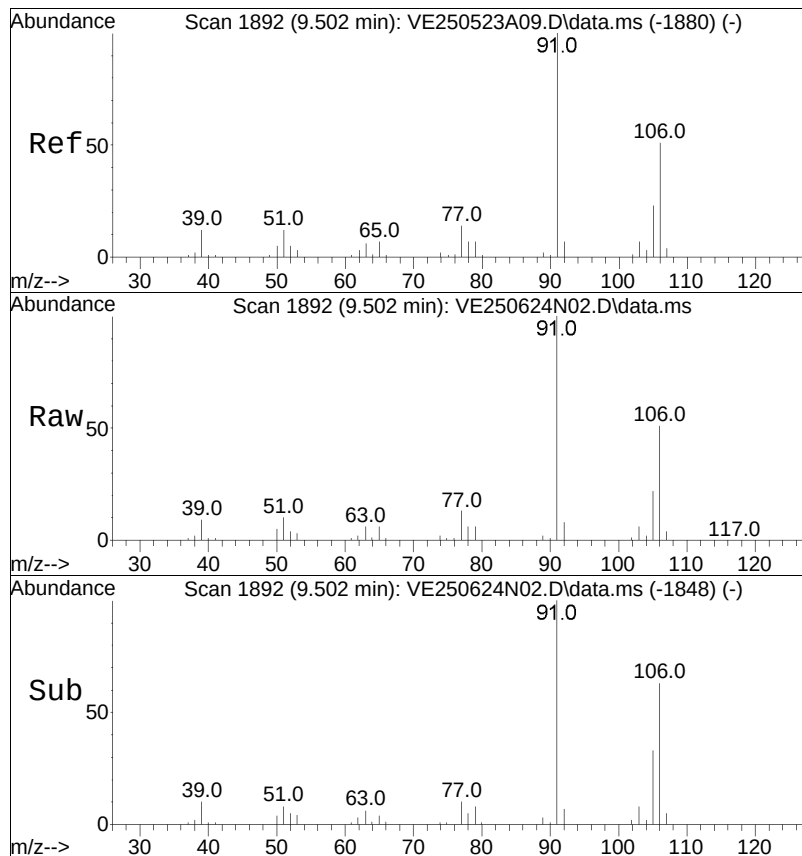




#79
 Ethylbenzene
 Concen: 9.73 ug/L
 RT: 9.316 min Scan# 1851
 Delta R.T. -0.000 min
 Lab File: VE250624N02.D
 Acq: 24 Jun 2025 10:48 pm

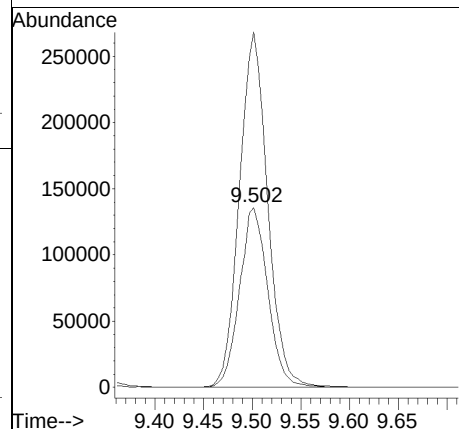
Tgt Ion: 91 Resp: 337249
 Ion Ratio Lower Upper
 91 100
 106 31.8 24.7 37.1

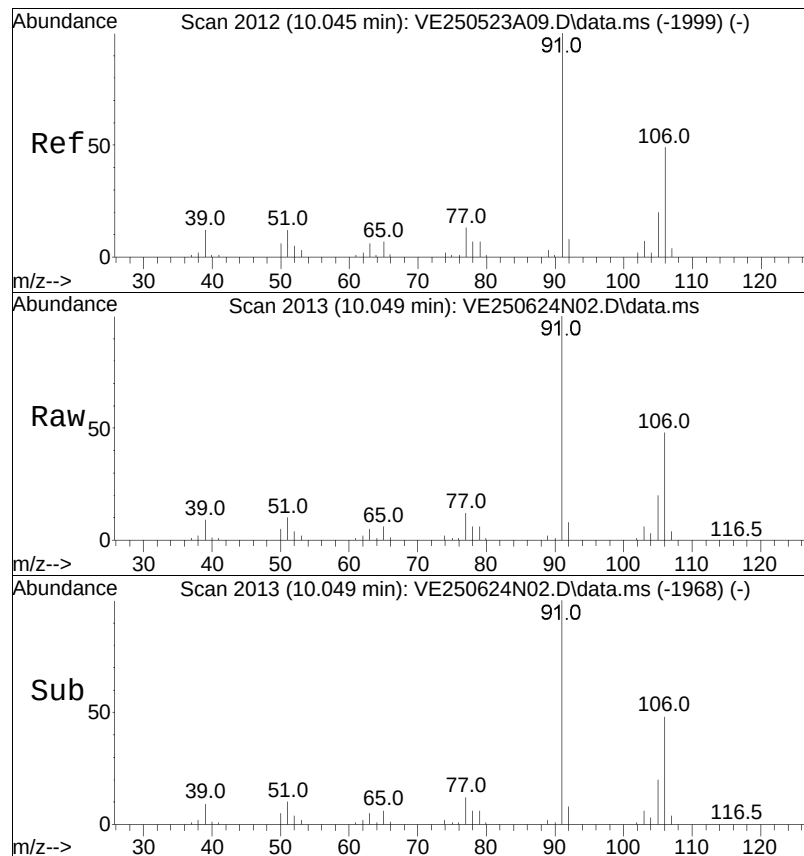




#81
 p/m Xylene
 Concen: 19.00 ug/L
 RT: 9.502 min Scan# 1892
 Delta R.T. -0.000 min
 Lab File: VE250624N02.D
 Acq: 24 Jun 2025 10:48 pm

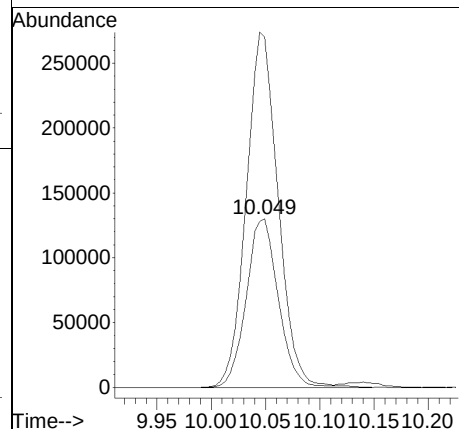
Tgt	Ion	Ratio	Lower	Upper
106	100			
91	197.0	163.2	244.8	

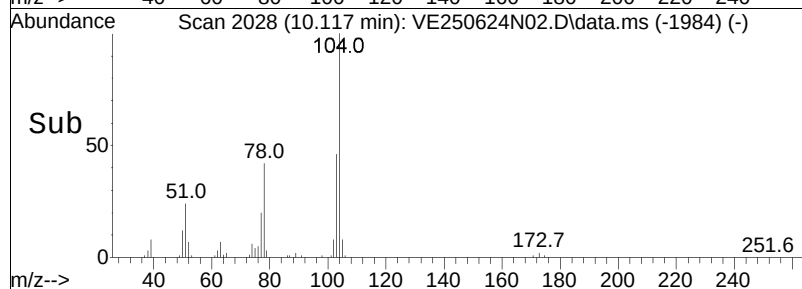
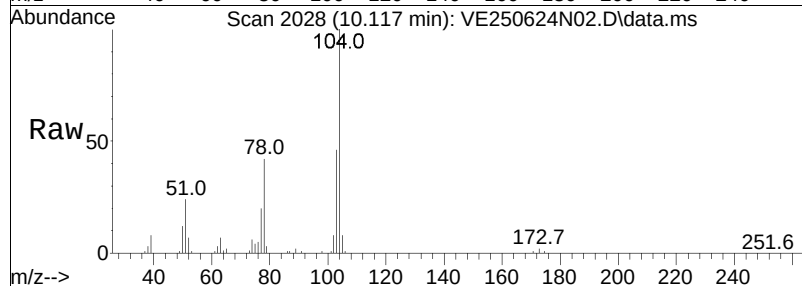
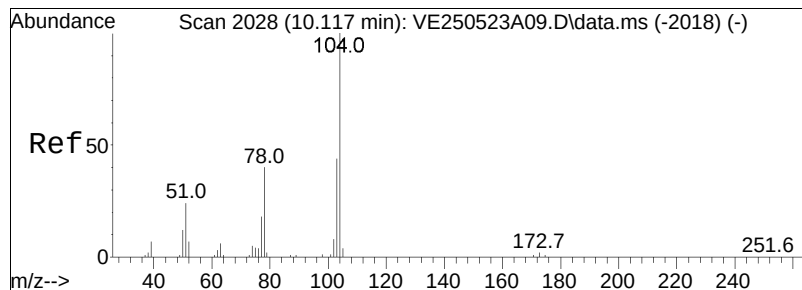




#82
 o Xylene
 Concen: 18.68 ug/L
 RT: 10.049 min Scan# 2013
 Delta R.T. 0.004 min
 Lab File: VE250624N02.D
 Acq: 24 Jun 2025 10:48 pm

Tgt Ion	Ratio	Lower	Upper
106	100		
91	211.3	177.0	265.6





#83

Styrene

Concen: 18.86 ug/L

RT: 10.117 min Scan# 2028

Delta R.T. -0.000 min

Lab File: VE250624N02.D

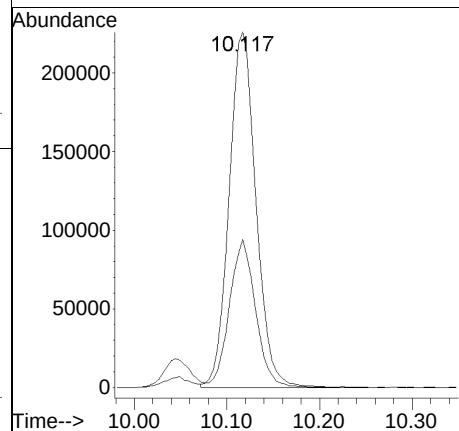
Acq: 24 Jun 2025 10:48 pm

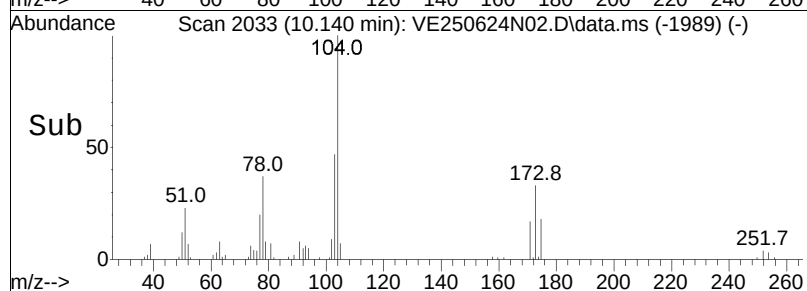
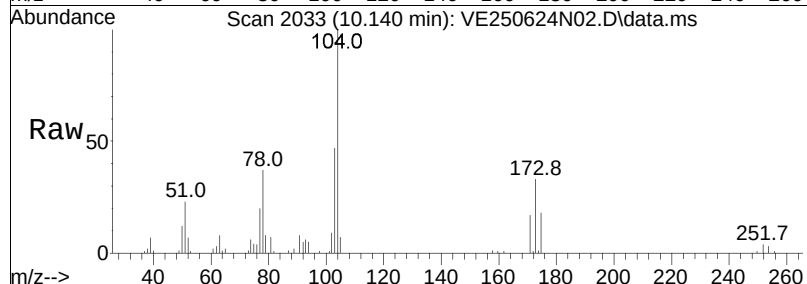
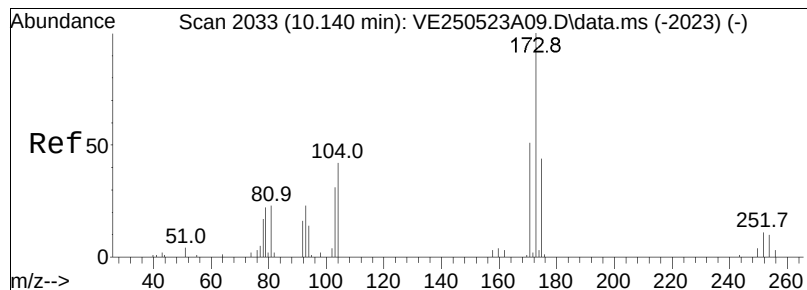
Tgt Ion:104 Resp: 454959

Ion Ratio Lower Upper

104 100

78 40.5 34.1 51.1





#85

Bromoform

Concen: 8.98 ug/L

RT: 10.140 min Scan# 2033

Delta R.T. -0.000 min

Lab File: VE250624N02.D

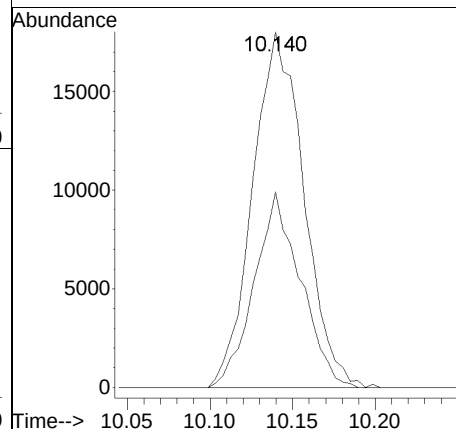
Acq: 24 Jun 2025 10:48 pm

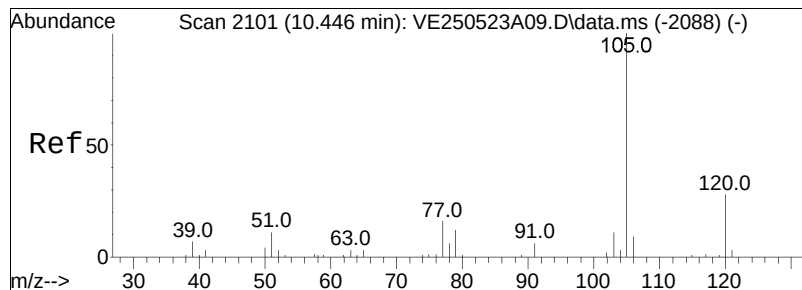
Tgt Ion:173 Resp: 38804

Ion Ratio Lower Upper

173 100

175 49.6 25.9 65.9





#87

Isopropylbenzene

Concen: 8.76 ug/L

RT: 10.446 min Scan# 2101

Delta R.T. -0.000 min

Lab File: VE250624N02.D

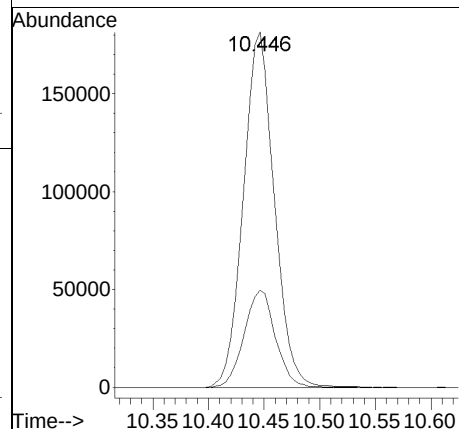
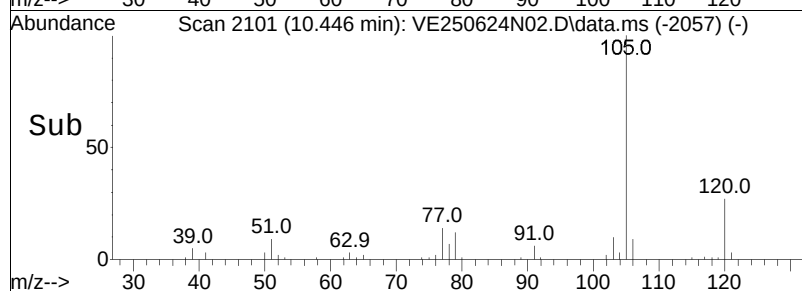
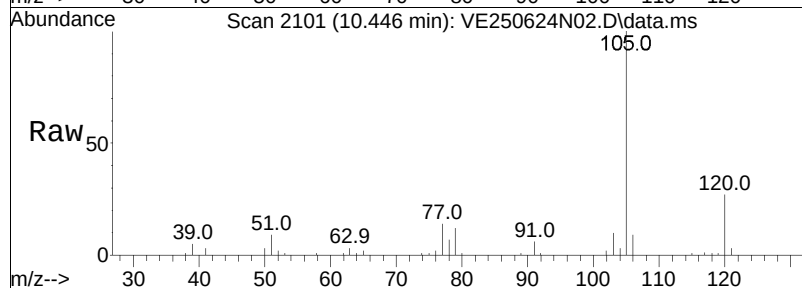
Acq: 24 Jun 2025 10:48 pm

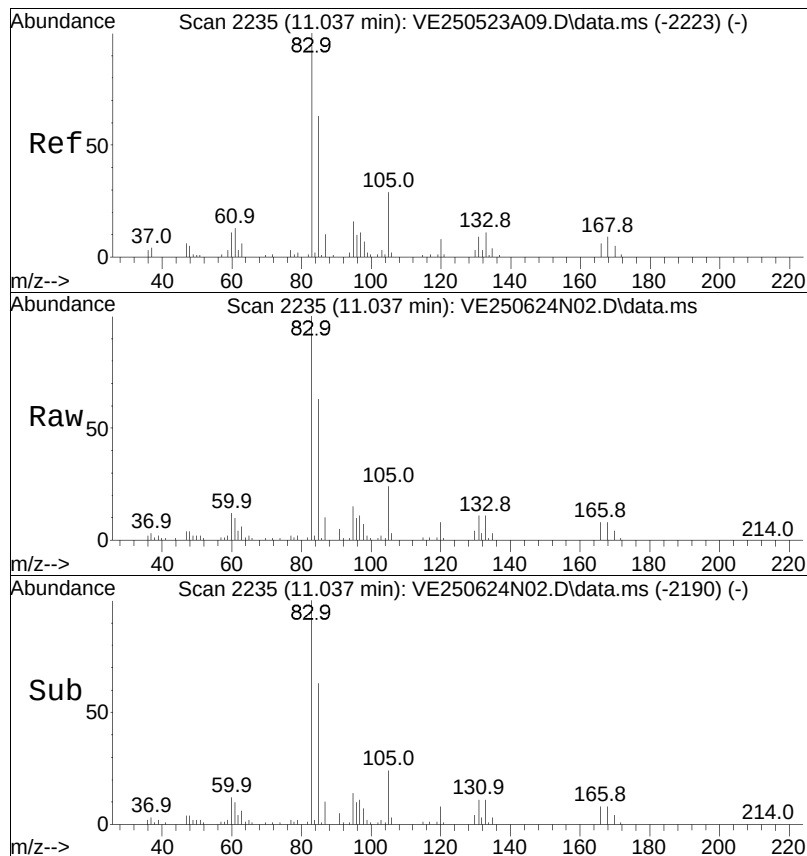
Tgt Ion:105 Resp: 351162

Ion Ratio Lower Upper

105 100

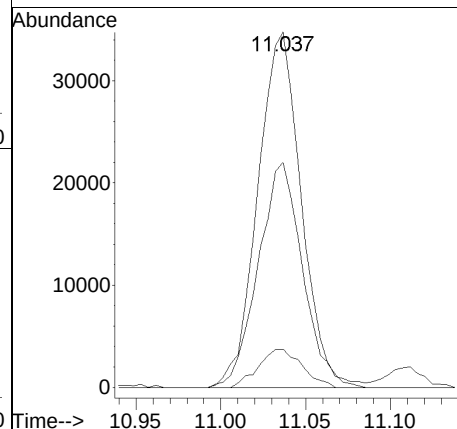
120 27.7 6.4 46.4

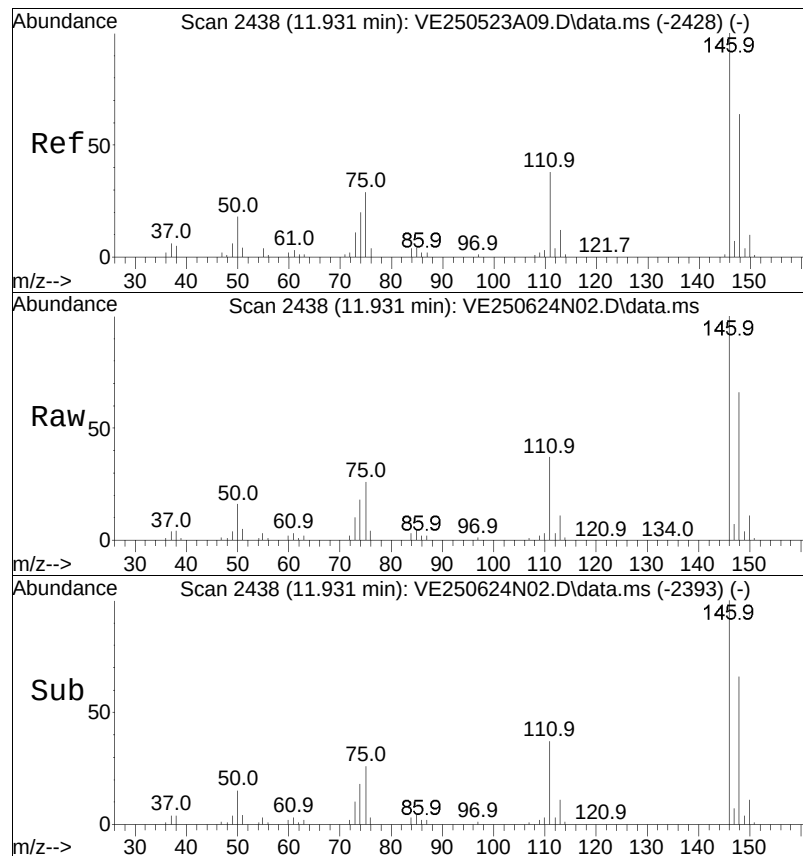




#92
 1,1,2,2-Tetrachloroethane
 Concen: 9.69 ug/L
 RT: 11.037 min Scan# 2235
 Delta R.T. -0.000 min
 Lab File: VE250624N02.D
 Acq: 24 Jun 2025 10:48 pm

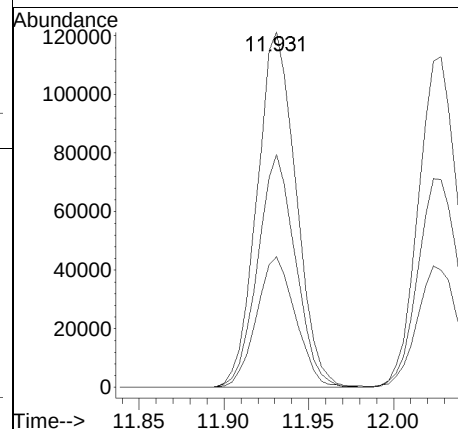
Tgt Ion	Ratio	Resp	Lower	Upper
83	100	61586		
131	10.9		0.0	30.3
85	65.5		46.4	86.4

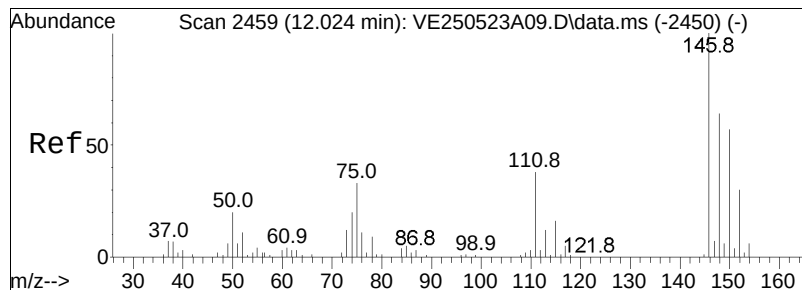




#105
 1,3-Dichlorobenzene
 Concen: 9.61 ug/L
 RT: 11.931 min Scan# 2438
 Delta R.T. -0.000 min
 Lab File: VE250624N02.D
 Acq: 24 Jun 2025 10:48 pm

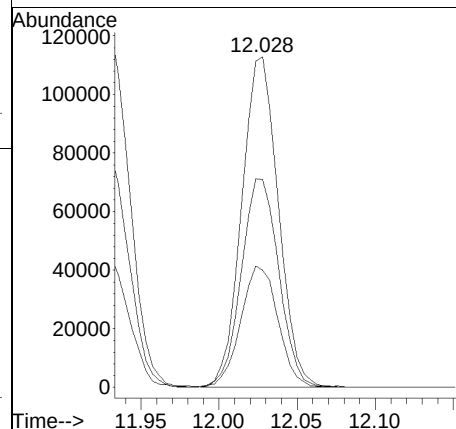
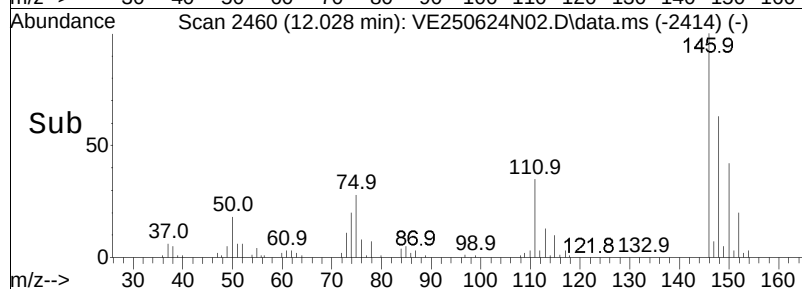
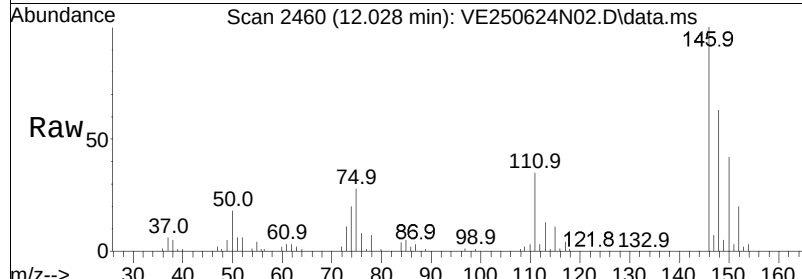
Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.7	26.0	54.0
148	63.5	42.1	87.5

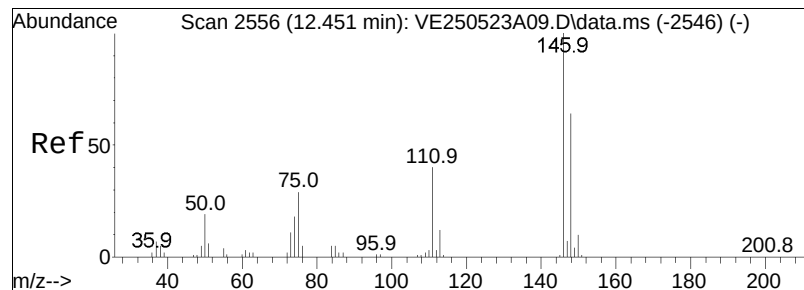




#106
 1,4-Dichlorobenzene
 Concen: 9.23 ug/L
 RT: 12.028 min Scan# 2460
 Delta R.T. 0.004 min
 Lab File: VE250624N02.D
 Acq: 24 Jun 2025 10:48 pm

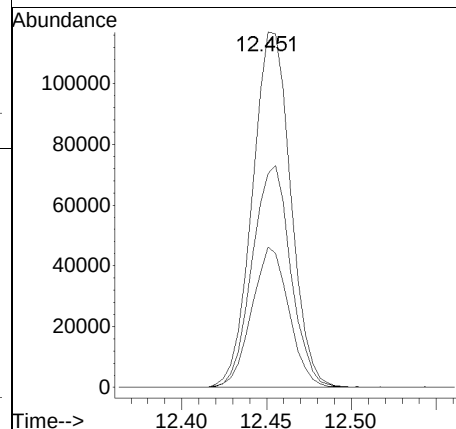
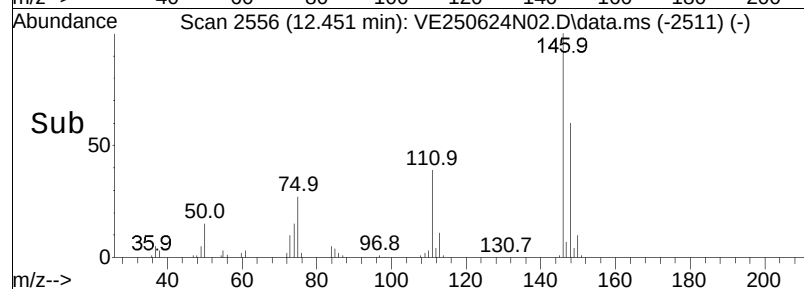
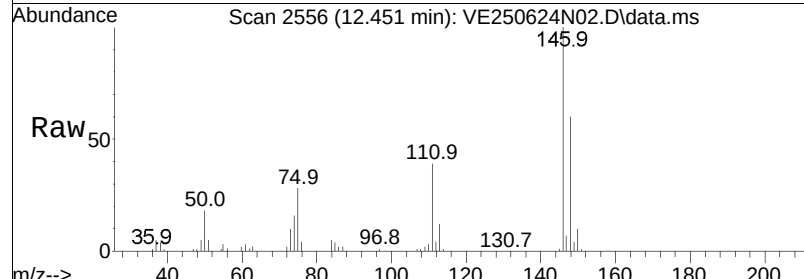
Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.5	30.0	45.0
148	64.6	51.2	76.8

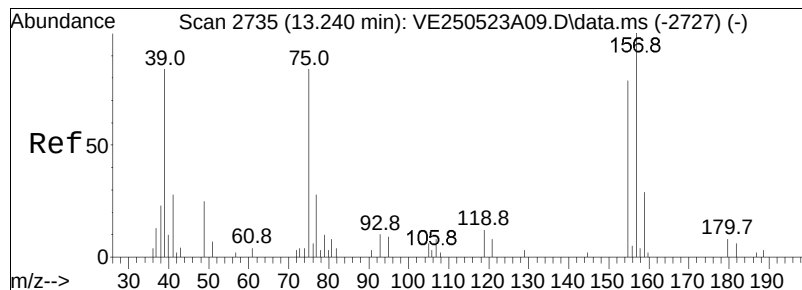




#109
 1,2-Dichlorobenzene
 Concen: 9.77 ug/L
 RT: 12.451 min Scan# 2556
 Delta R.T. -0.000 min
 Lab File: VE250624N02.D
 Acq: 24 Jun 2025 10:48 pm

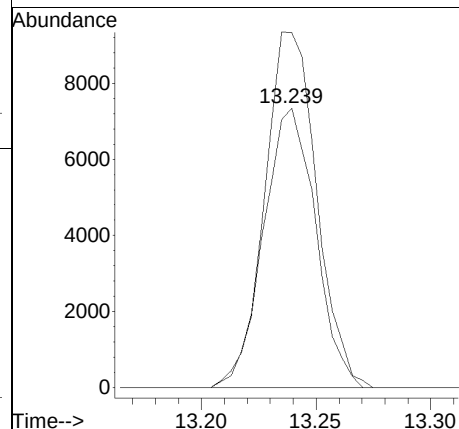
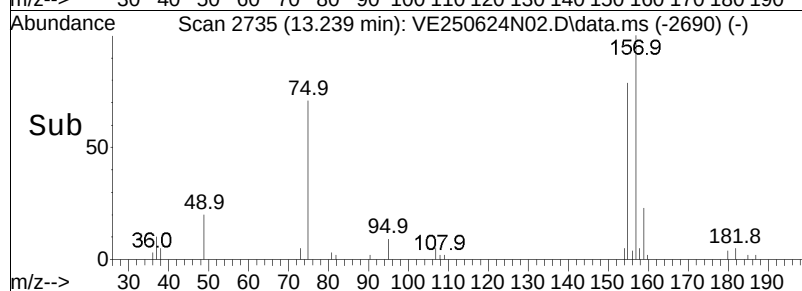
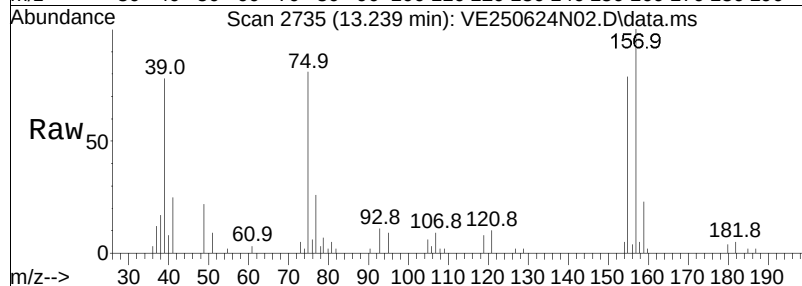
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.2	26.1	54.1
148	62.7	41.7	86.5

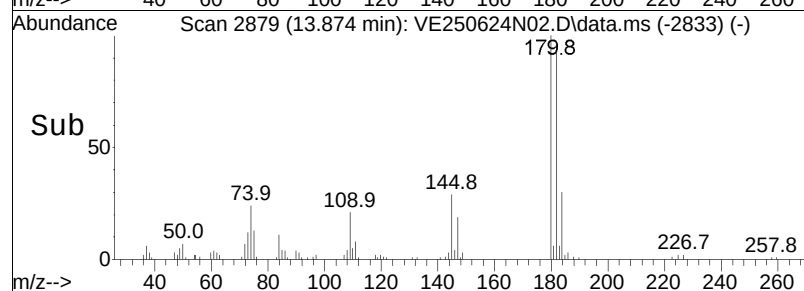
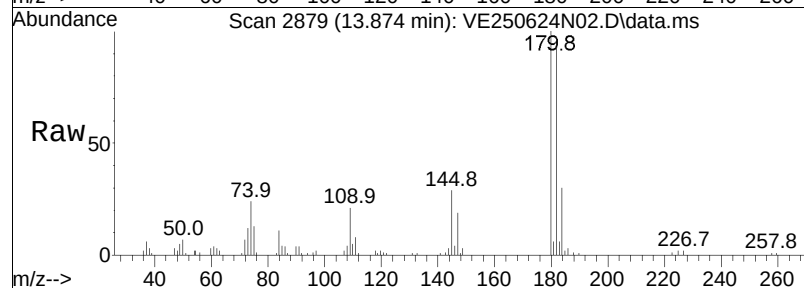
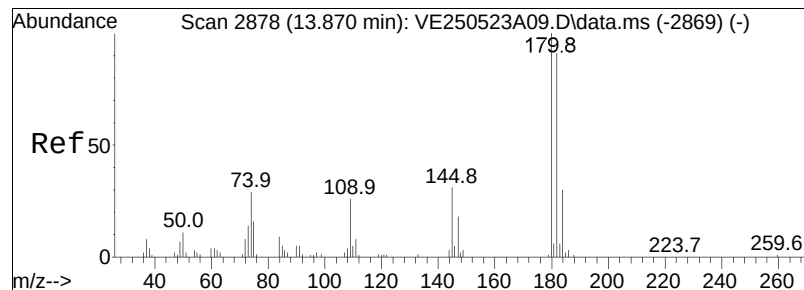




#111
 1,2-Dibromo-3-chloropropane
 Concen: 10.11 ug/L
 RT: 13.239 min Scan# 2735
 Delta R.T. -0.000 min
 Lab File: VE250624N02.D
 Acq: 24 Jun 2025 10:48 pm

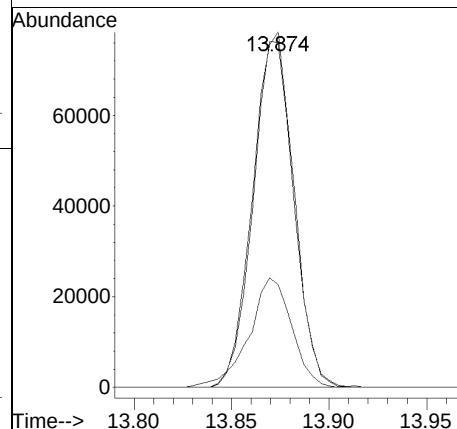
Tgt Ion	Ratio	Lower	Upper
155	100		
157	127.1	99.5	149.3

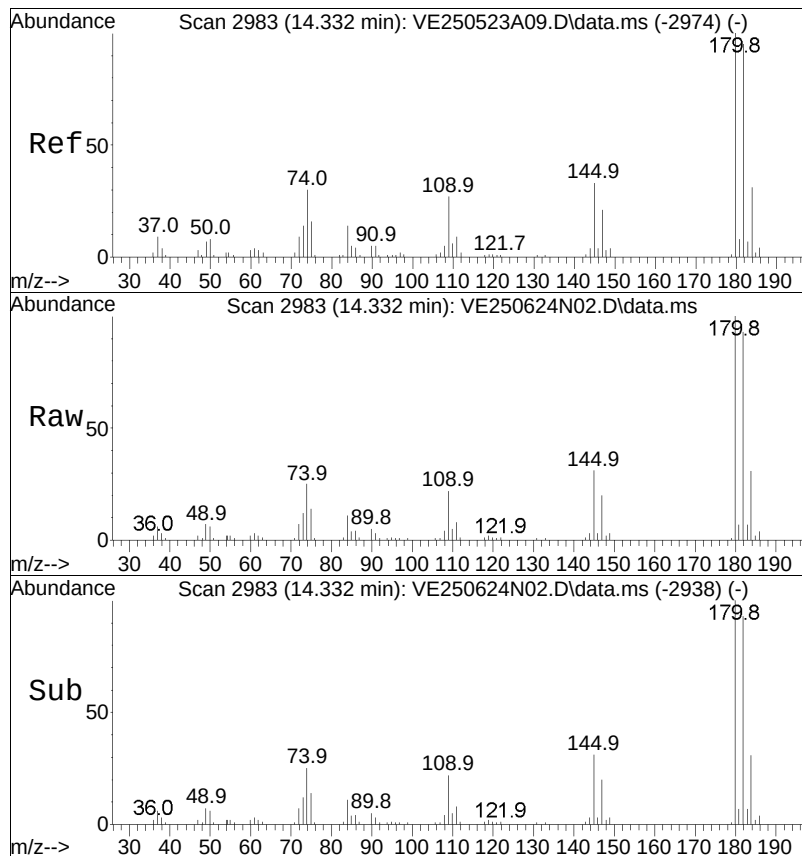




#114
 1,2,4-Trichlorobenzene
 Concen: 9.31 ug/L
 RT: 13.874 min Scan# 2879
 Delta R.T. 0.004 min
 Lab File: VE250624N02.D
 Acq: 24 Jun 2025 10:48 pm

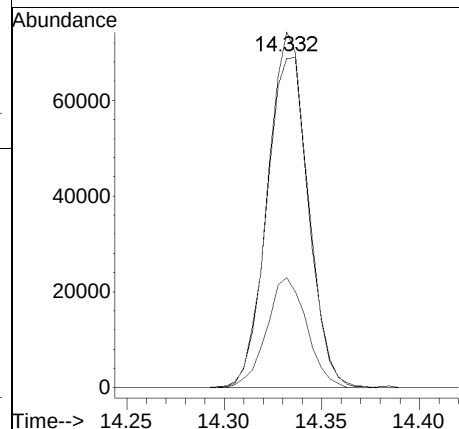
Tgt	Ion	Ratio	Resp	Lower	Upper
180	100		114608		
182	96.4	75.3	112.9		
145	32.2	26.9	40.3		





#116
 1,2,3-Trichlorobenzene
 Concen: 9.61 ug/L
 RT: 14.332 min Scan# 2983
 Delta R.T. -0.000 min
 Lab File: VE250624N02.D
 Acq: 24 Jun 2025 10:48 pm

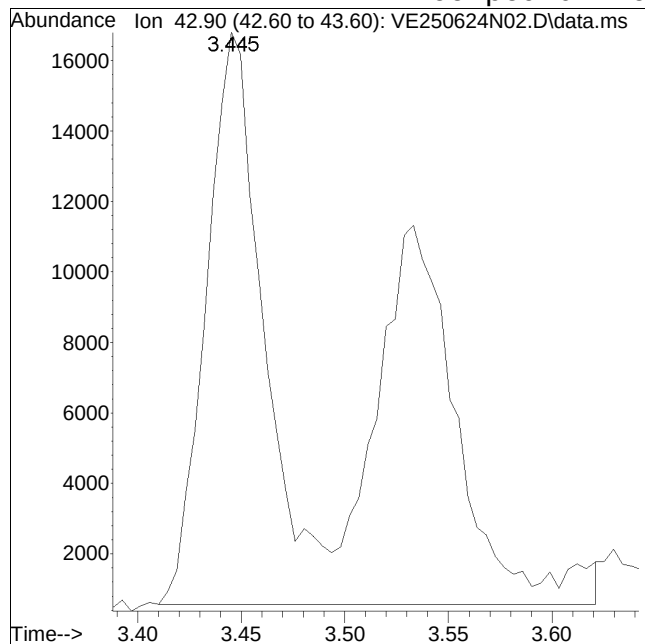
Tgt	Ion	Ratio	Lower	Upper
180	100			
182	96.8	75.8	113.6	
145	30.8	25.8	38.8	



Manual Integration Report

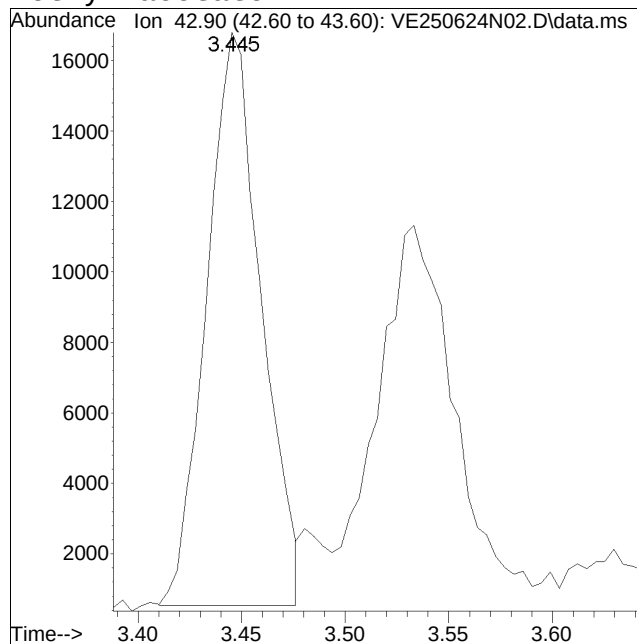
Data Path : K:\Elaine\2025\250624A\ QMethod : Elaine_250523A_8260.m
Data File : VE250624N02.D Operator : ELAINE:TMS
Date Inj'd : 6/24/2025 10:48 pm Instrument : Elaine
Sample : WG2084006-3,31,10,10 Quant Date : 6/24/2025 11:30 pm

Compound #19: Methyl acetate



Original Peak Response = 60779

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

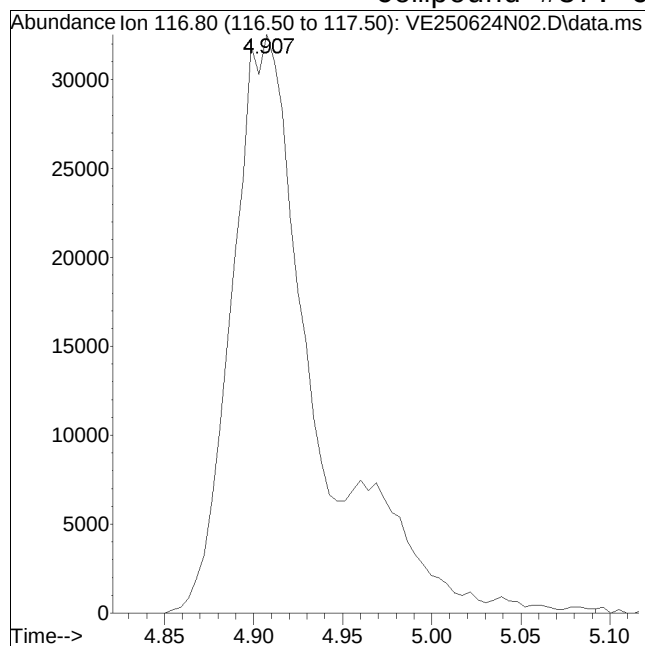


Manual Peak Response = 29761 M1

Manual Integration Report

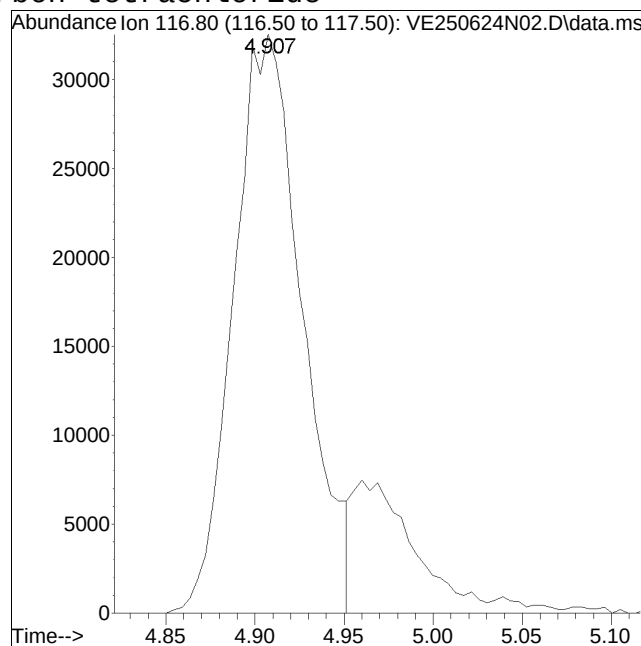
Data Path : K:\Elaine\2025\250624A\ QMethod : Elaine_250523A_8260.m
Data File : VE250624N02.D Operator : ELAINE:TMS
Date Inj'd : 6/24/2025 10:48 pm Instrument : Elaine
Sample : WG2084006-3,31,10,10 Quant Date : 6/24/2025 11:30 pm

Compound #37: Carbon tetrachloride



Original Peak Response = 106526

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.



Manual Peak Response = 87368 M1

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250624A\
 Data File : VE250624N03.D
 Acq On : 24 Jun 2025 11:13 pm
 Operator : ELAINE:TMS
 Sample : WG2084006-4,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
 Misc : WG2084006,ICAL22314 (Sig #1); WG,ICAL22314 (Sig #2)
 ALS Vial : 32 Sample Multiplier: 1

Quant Time: Jun 25 00:25:00 2025
 Quant Method : K:\Elaine\2025\250624A\Elaine_250523A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri May 23 20:15:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250624A\VE250624N02.D
 Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.746	96	289222	10.000	ug/L	0.00
Standard Area 1 = 281780			Recovery	=	102.64%	
63) Chlorobenzene-d5	9.253	117	239700	10.000	ug/L	0.00
Standard Area 1 = 232207			Recovery	=	103.23%	
84) 1,4-Dichlorobenzene-d4	12.010	152	147998	10.000	ug/L	0.00
Standard Area 1 = 145386			Recovery	=	101.80%	
System Monitoring Compounds						
39) Dibromofluoromethane	4.951	113	84900	10.543	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	105.43%	
47) 1,2-Dichloroethane-d4	5.460	65	87931	11.028	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	110.28%	
64) Toluene-d8	7.420	98	308491	10.212	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	102.12%	
88) 4-Bromofluorobenzene	10.777	95	106401	8.919	ug/L	0.00
Spiked Amount 10.000	Range 70	- 130	Recovery	=	89.19%	
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.513	85	76823	8.239	ug/L	98
3) Chloromethane	1.693	50	73627	7.456	ug/L	100
4) Vinyl chloride	1.759	62	91417	10.751	ug/L	100
5) Bromomethane	2.049	94	41404	8.754	ug/L	91
6) Chloroethane	2.154	64	61852	11.213	ug/L	97
7) Trichlorofluoromethane	2.290	101	127426	11.513	ug/L	100
10) 1,1-Dichloroethene	2.751	96	74381	11.387	ug/L	85
11) Carbon disulfide	2.782	76	222964	10.819	ug/L	100
12) Freon-113	2.791	101	74334	11.541	ug/L	99
15) Methylene chloride	3.287	84	76342	10.656	ug/L	89
17) Acetone	3.331	43	16550	10.339	ug/L	99
18) trans-1,2-Dichloroethene	3.436	96	67055	10.046	ug/L	94
19) Methyl acetate	3.445	43	33792	8.806	ug/L	95
21) Methyl tert-butyl ether	3.529	73	145329	9.540	ug/L	# 95
25) 1,1-Dichloroethane	4.003	63	133596	10.141	ug/L	98
30) cis-1,2-Dichloroethene	4.512	96	77605	10.039	ug/L	88
33) Bromochloromethane	4.705	128	38670	10.494	ug/L	80
34) Cyclohexane	4.705	56	128969	9.235	ug/L	91
35) Chloroform	4.771	83	123249	10.021	ug/L	97
37) Carbon tetrachloride	4.903	117	84501M6	9.761	ug/L	

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250624A\
 Data File : VE250624N03.D
 Acq On : 24 Jun 2025 11:13 pm
 Operator : ELAINE:TMS
 Sample : WG2084006-4,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
 Misc : WG2084006,ICAL22314 (Sig #1); WG,ICAL22314 (Sig #2)
 ALS Vial : 32 Sample Multiplier: 1

Quant Time: Jun 25 00:25:00 2025
 Quant Method : K:\Elaine\2025\250624A\Elaine_250523A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri May 23 20:15:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250624A\VE250624N02.D
 Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
40)	1,1,1-Trichloroethane	4.969	97	100296	10.020	ug/L	97
42)	2-Butanone	5.061	43	20565	8.907	ug/L	96
45)	Benzene	5.329	78	254293	9.677	ug/L	97
48)	1,2-Dichloroethane	5.531	62	81451	10.379	ug/L	97
51)	Methylcyclohexane	5.913	83	112936	9.522	ug/L	88
52)	Trichloroethene	5.922	95	65079	10.123	ug/L	95
55)	1,2-Dichloropropane	6.460	63	65985	9.635	ug/L	100
58)	Bromodichloromethane	6.533	83	84690	9.553	ug/L	99
62)	cis-1,3-Dichloropropene	7.216	75	92778	9.398	ug/L	95
65)	Toluene	7.479	92	171774	9.822	ug/L	99
66)	4-Methyl-2-pentanone	7.913	58	15787	9.092	ug/L	91
67)	Tetrachloroethene	7.922	166	75911	10.389	ug/L	97
69)	trans-1,3-Dichloropropene	7.963	75	77557	9.137	ug/L	97
72)	1,1,2-Trichloroethane	8.144	83	40427	9.598	ug/L	92
73)	Chlorodibromomethane	8.361	129	59788	9.096	ug/L	98
75)	1,2-Dibromoethane	8.624	107	48548	9.594	ug/L	100
77)	2-Hexanone	8.918	43	27173	6.909	ug/L	98
78)	Chlorobenzene	9.275	112	199980	9.779	ug/L	94
79)	Ethylbenzene	9.311	91	345983	9.668	ug/L	100
81)	p/m Xylene	9.501	106	278373	18.612	ug/L	97
82)	o Xylene	10.044	106	272256	18.394	ug/L	94
83)	Styrene	10.117	104	458420	18.406	ug/L	97
85)	Bromoform	10.140	173	39853	9.065	ug/L	95
87)	Isopropylbenzene	10.446	105	357447	8.764	ug/L	96
92)	1,1,2,2-Tetrachloroethane	11.032	83	63193	9.769	ug/L	98
105)	1,3-Dichlorobenzene	11.931	146	196698	9.544	ug/L	98
106)	1,4-Dichlorobenzene	12.028	146	189190	9.302	ug/L	99
109)	1,2-Dichlorobenzene	12.451	146	188131	9.812	ug/L	97
111)	1,2-Dibromo-3-chloropr...	13.239	155	11456	9.816	ug/L	95
114)	1,2,4-Trichlorobenzene	13.869	180	117929	9.407	ug/L	98
116)	1,2,3-Trichlorobenzene	14.332	180	109730	9.764	ug/L	99

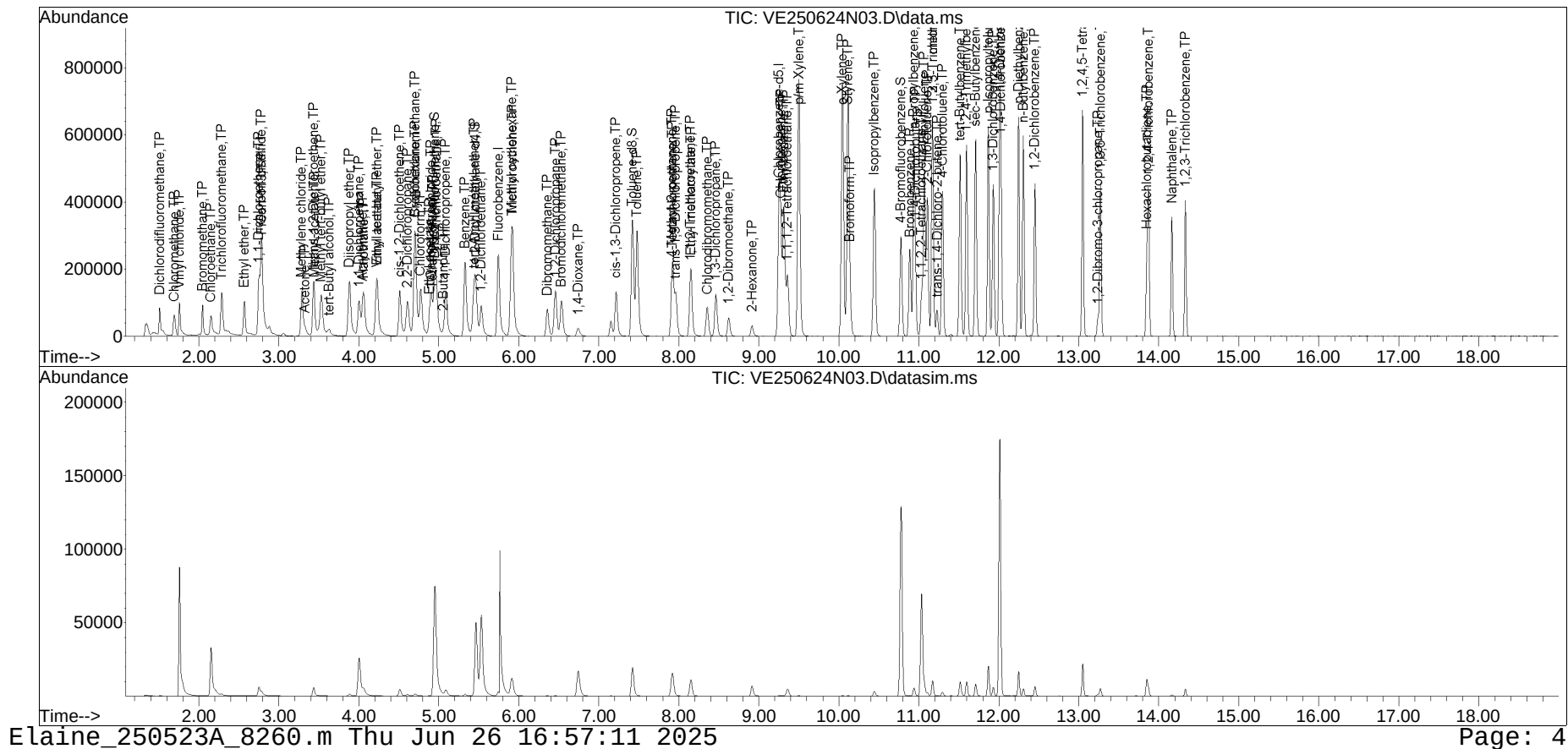
(#) = qualifier out of range (m) = manual integration (+) = signals summed

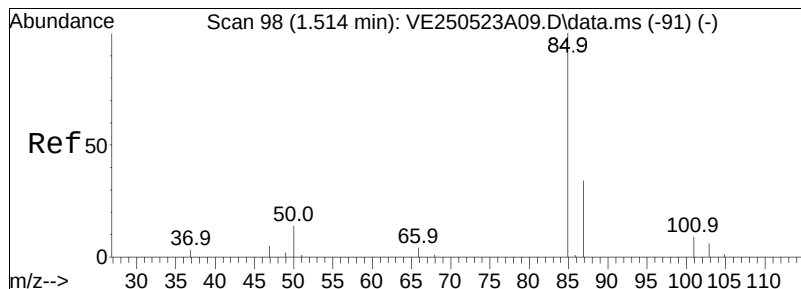
(QT Reviewed)

Data Path : K:\Elaine\2025\250624A\
Data File : VE250624N03.D
Acq On : 24 Jun 2025 11:13 pm
Operator : ELAINE:TMS
Sample : WG2084006-4,31,10,10 (Sig #1); 8260 CCAL (Sig #2)
Misc : WG2084006,ICAL22314 (Sig #1); WG,ICAL22314 (Sig #2)
ALS Vial : 32 Sample Multiplier: 1

Quant Time: Jun 25 00:25:00 2025
Quant Method : K:\Elaine\2025\250624A\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 20:15:15 2025
Response via : Initial Calibration

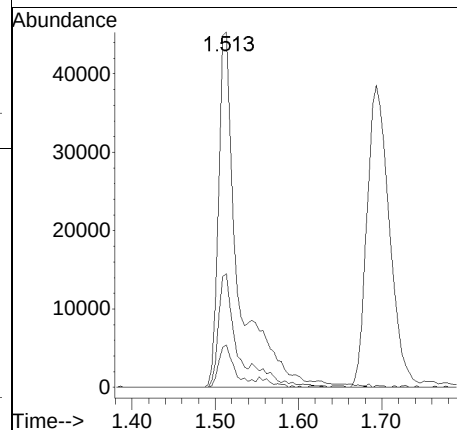
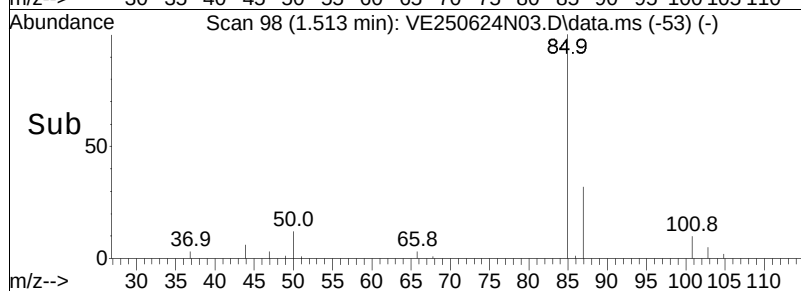
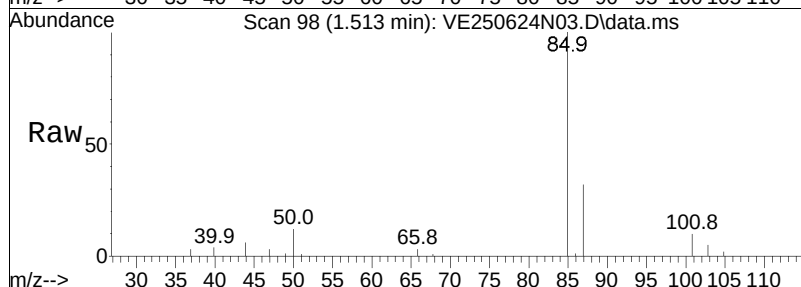
Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve

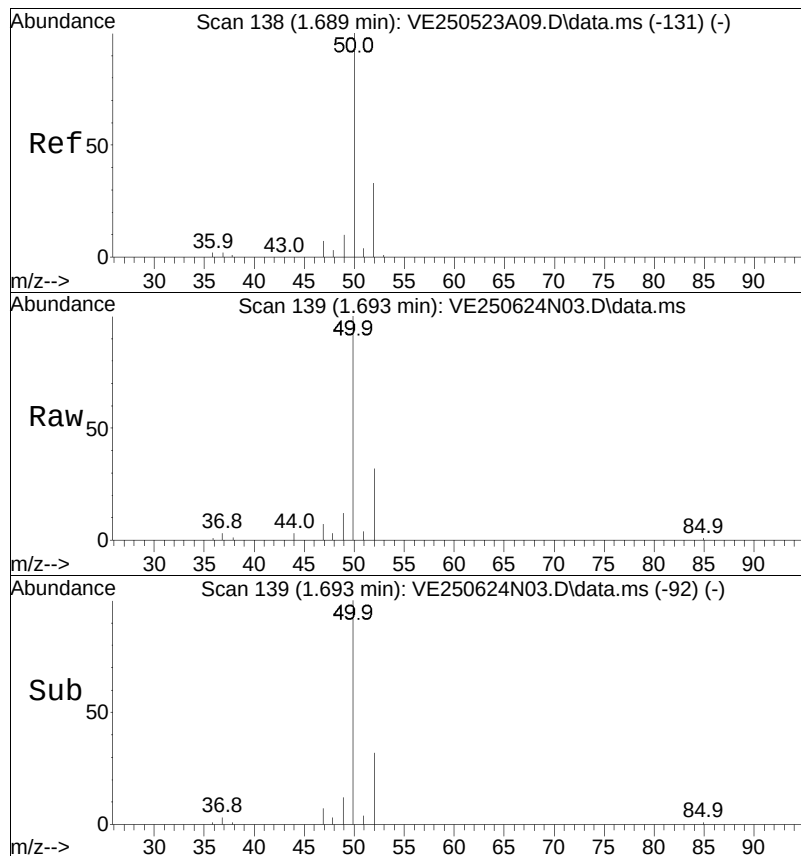




#2
 Dichlorodifluoromethane
 Concen: 8.24 ug/L
 RT: 1.513 min Scan# 98
 Delta R.T. -0.000 min
 Lab File: VE250624N03.D
 Acq: 24 Jun 2025 11:13 pm

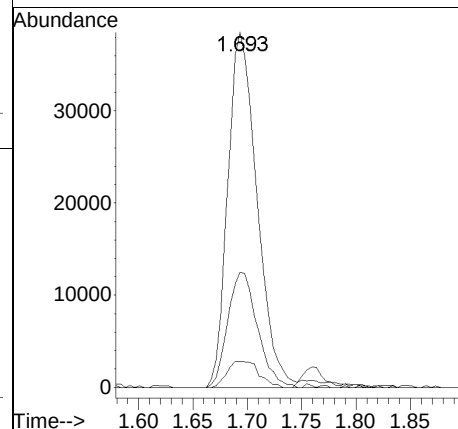
Tgt Ion: 85 Resp: 76823
 Ion Ratio Lower Upper
 85 100
 87 31.9 21.2 44.0
 50 11.7 8.5 17.7

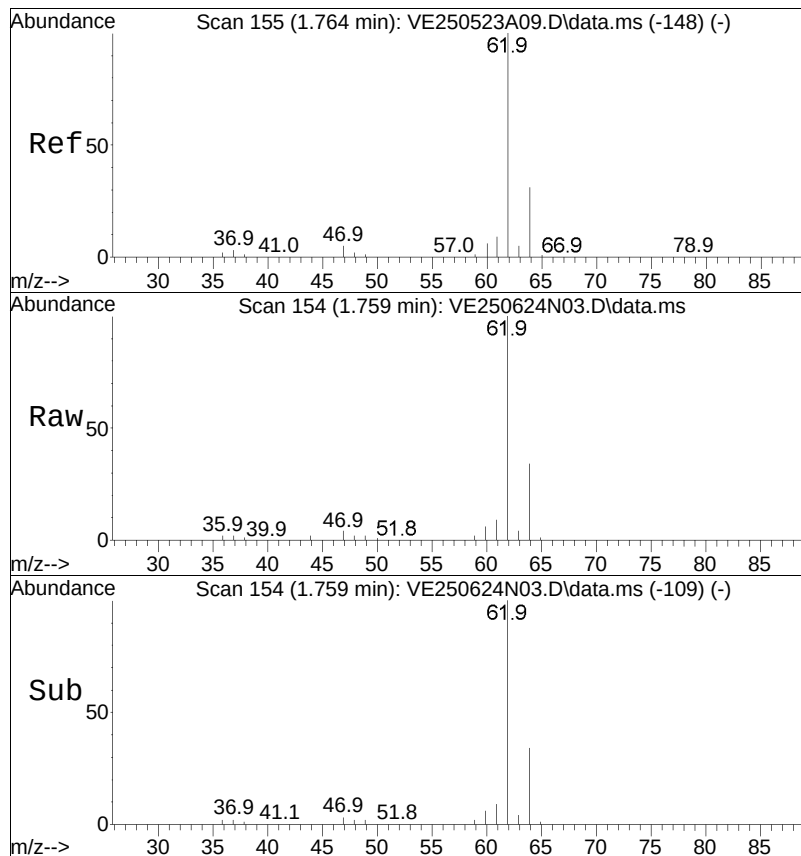




#3
 Chloromethane
 Concen: 7.46 ug/L
 RT: 1.693 min Scan# 139
 Delta R.T. 0.004 min
 Lab File: VE250624N03.D
 Acq: 24 Jun 2025 11:13 pm

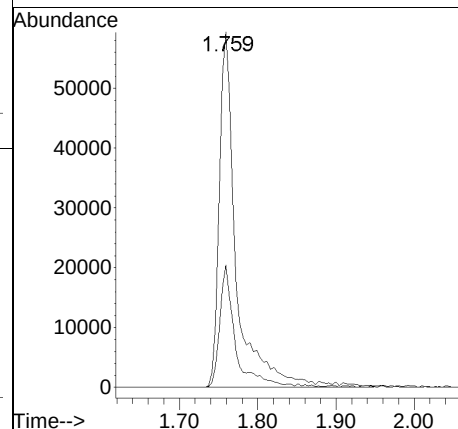
Tgt	Ion: 50	Resp:	73627
Ion	Ratio	Lower	Upper
50	100		
52	32.1	12.2	52.2
47	7.8	0.0	27.4

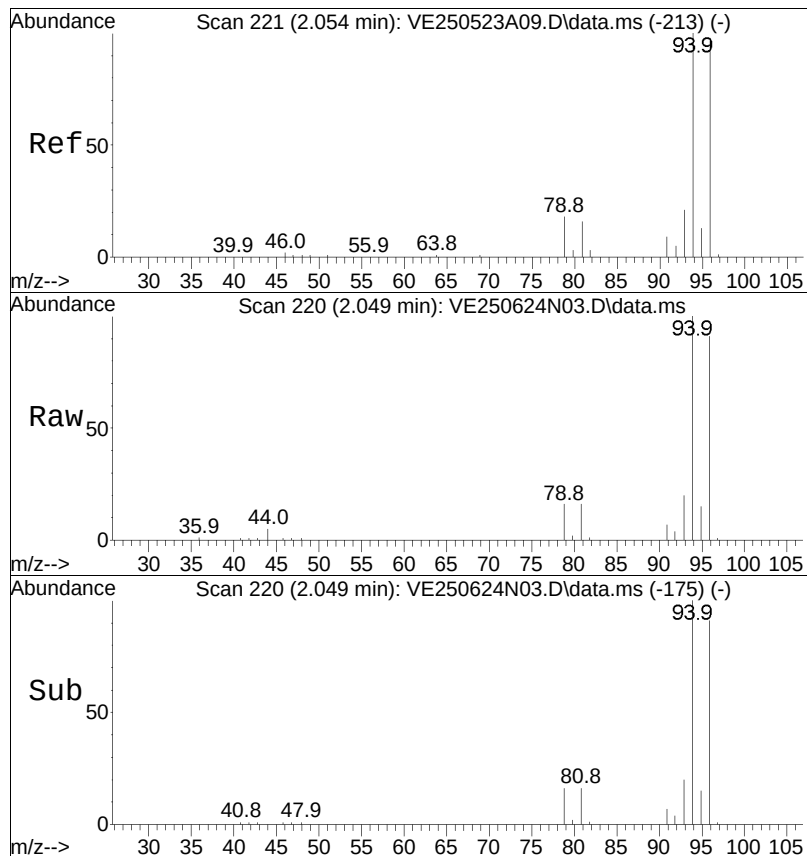




#4
 Vinyl chloride
 Concen: 10.75 ug/L
 RT: 1.759 min Scan# 154
 Delta R.T. -0.005 min
 Lab File: VE250624N03.D
 Acq: 24 Jun 2025 11:13 pm

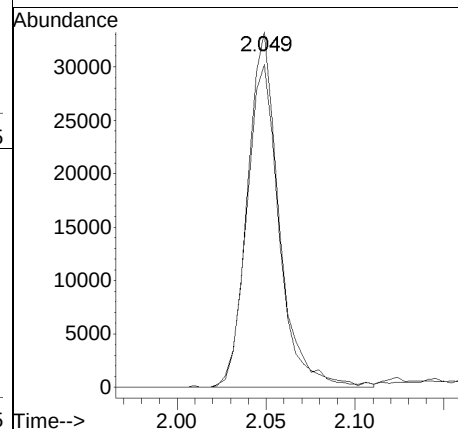
Tgt Ion	Ratio	Lower	Upper
62	100		
64	32.2	12.2	52.2

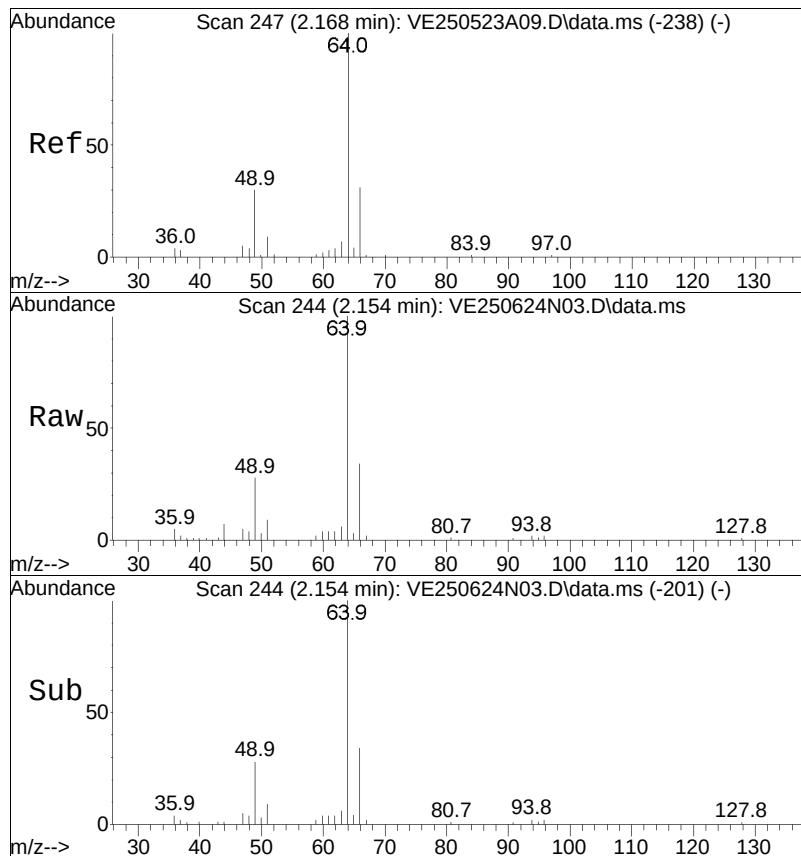




#5
 Bromomethane
 Concen: 8.75 ug/L
 RT: 2.049 min Scan# 220
 Delta R.T. -0.005 min
 Lab File: VE250624N03.D
 Acq: 24 Jun 2025 11:13 pm

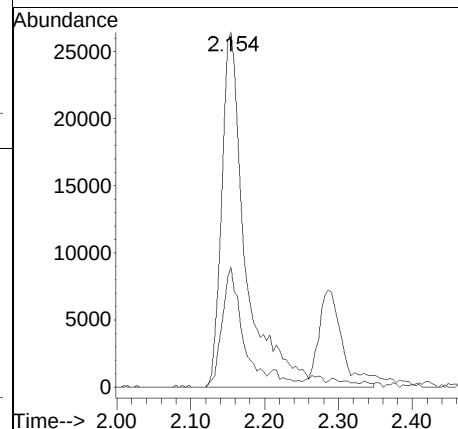
Tgt Ion	Ratio	Lower	Upper
94	100		
96	101.4	72.7	112.7

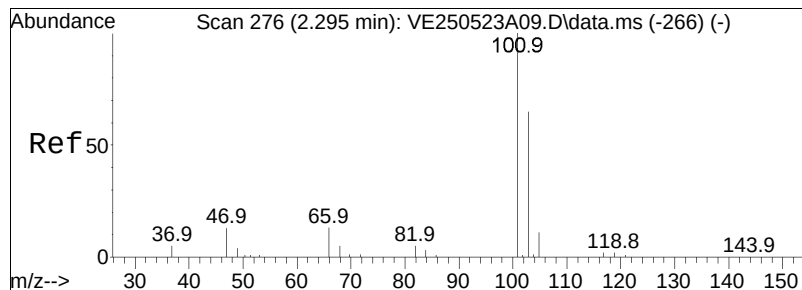




#6
 Chloroethane
 Concen: 11.21 ug/L
 RT: 2.154 min Scan# 244
 Delta R.T. -0.013 min
 Lab File: VE250624N03.D
 Acq: 24 Jun 2025 11:13 pm

Tgt Ion	Ratio	Lower	Upper
64	100		
66	31.3	13.1	53.1





#7

Trichlorofluoromethane

Concen: 11.51 ug/L

RT: 2.290 min Scan# 275

Delta R.T. -0.005 min

Lab File: VE250624N03.D

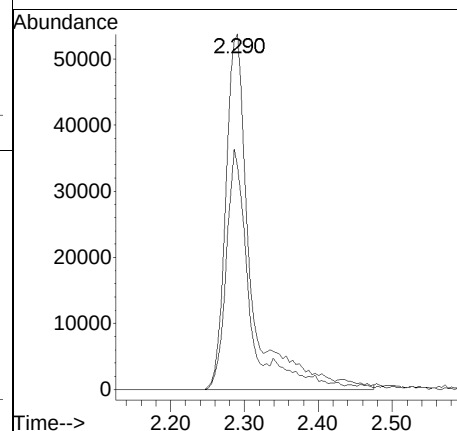
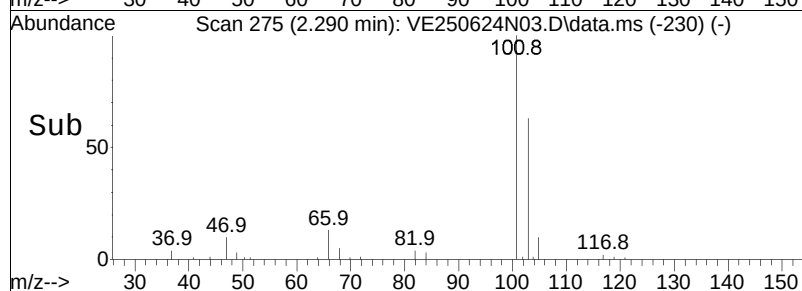
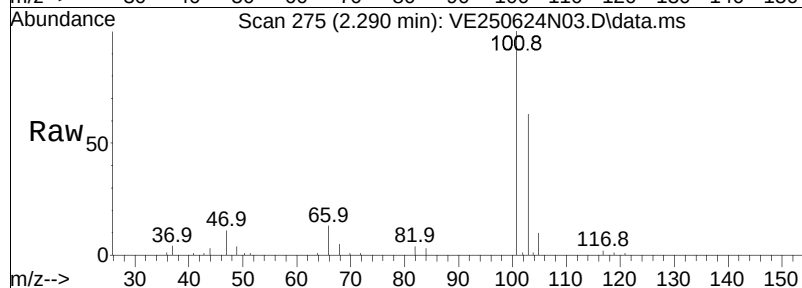
Acq: 24 Jun 2025 11:13 pm

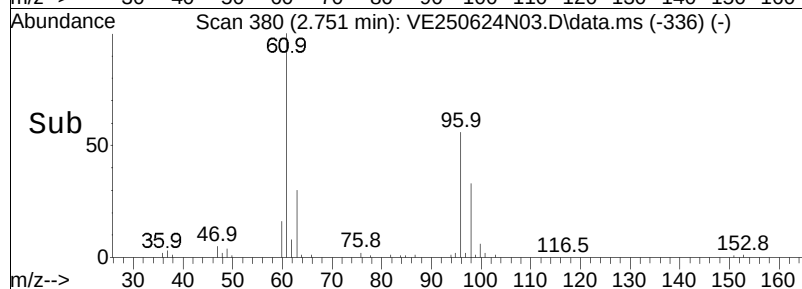
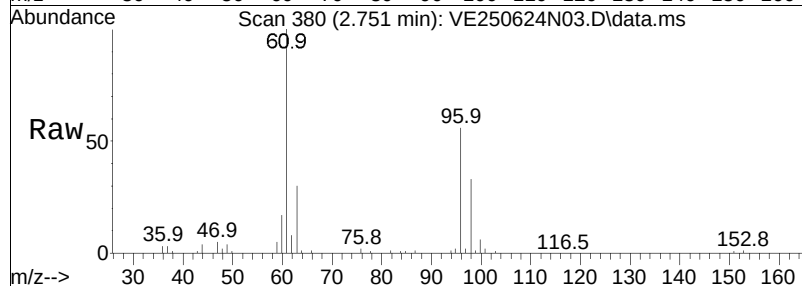
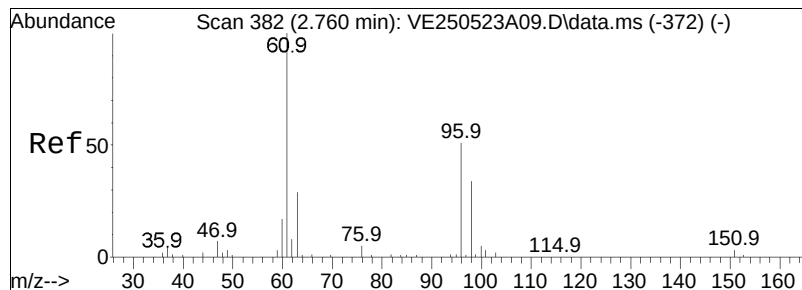
Tgt Ion:101 Resp: 127426

Ion Ratio Lower Upper

101 100

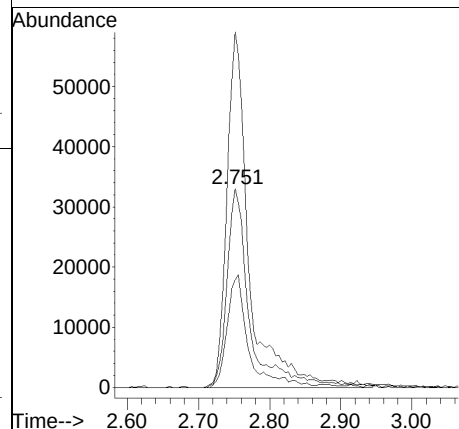
103 65.2 52.0 78.0

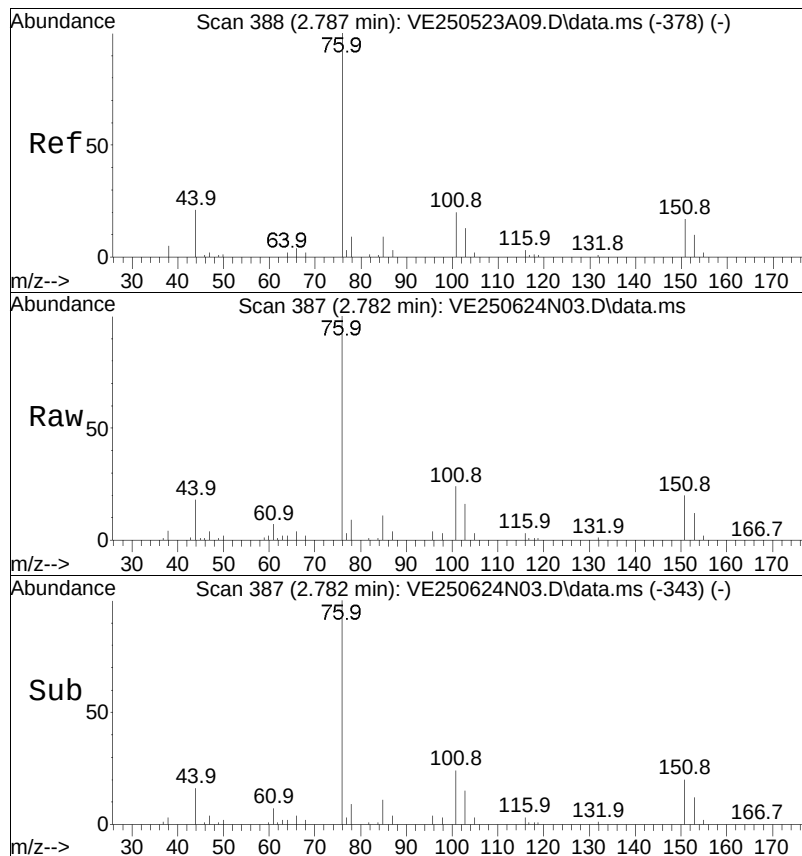




#10
 1,1-Dichloroethene
 Concen: 11.39 ug/L
 RT: 2.751 min Scan# 380
 Delta R.T. -0.009 min
 Lab File: VE250624N03.D
 Acq: 24 Jun 2025 11:13 pm

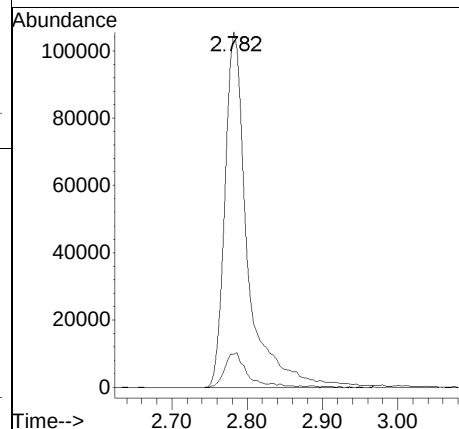
Tgt Ion:	96	Resp:	74381
Ion Ratio	Lower	Upper	
96	100		
61	174.1	158.3	237.5
63	54.5	50.2	75.2

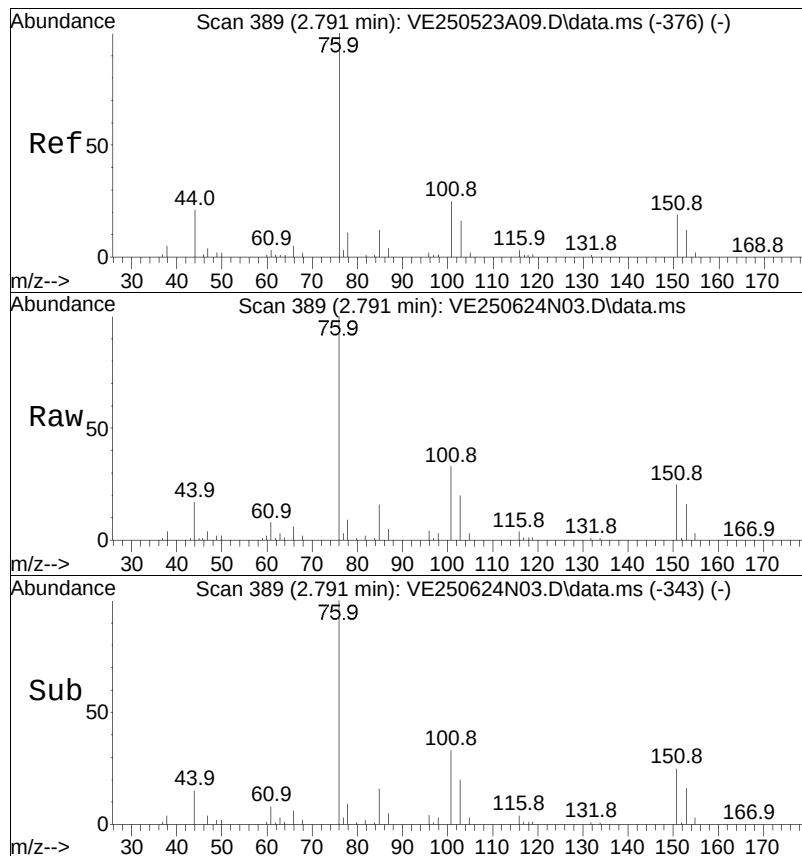




#11
Carbon disulfide
Concen: 10.82 ug/L
RT: 2.782 min Scan# 387
Delta R.T. -0.005 min
Lab File: VE250624N03.D
Acq: 24 Jun 2025 11:13 pm

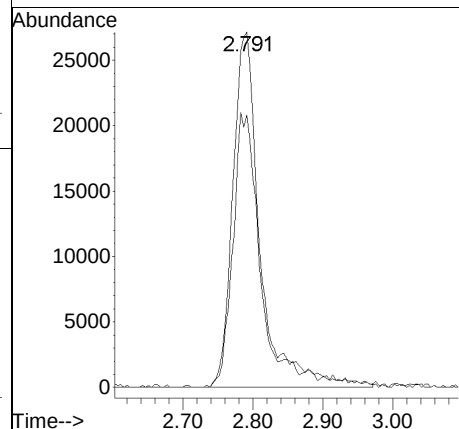
Tgt Ion:	76	78	Resp:	222964
Ion Ratio	100	10.1	Lower	Upper
			6.6	13.8

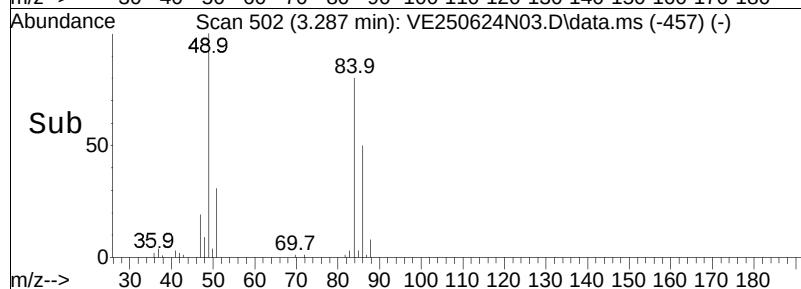
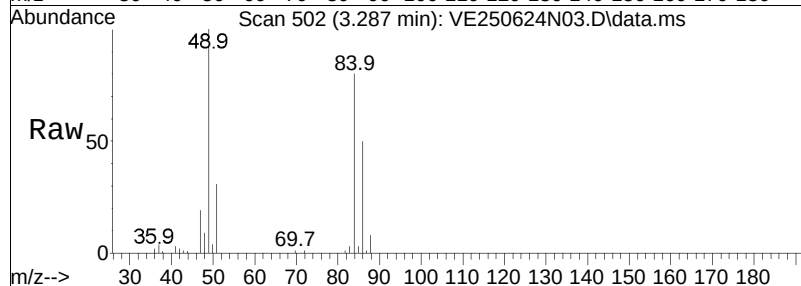
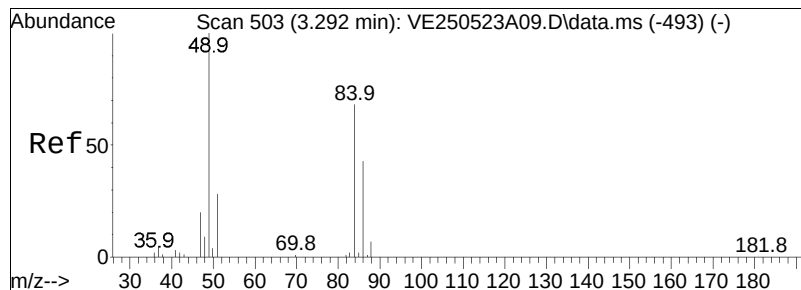




#12
 Freon-113
 Concen: 11.54 ug/L
 RT: 2.791 min Scan# 389
 Delta R.T. -0.000 min
 Lab File: VE250624N03.D
 Acq: 24 Jun 2025 11:13 pm

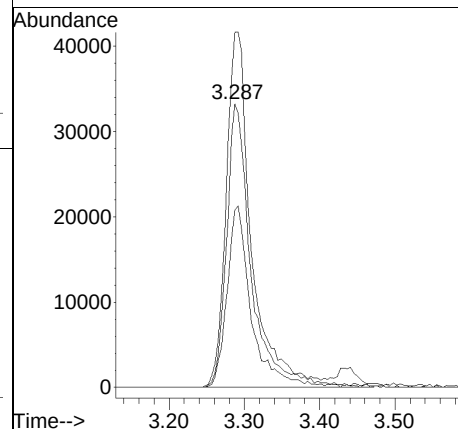
Tgt Ion	101	Resp	74334
Ion Ratio	Lower	Upper	
101	100		
151	79.8	64.5	96.7

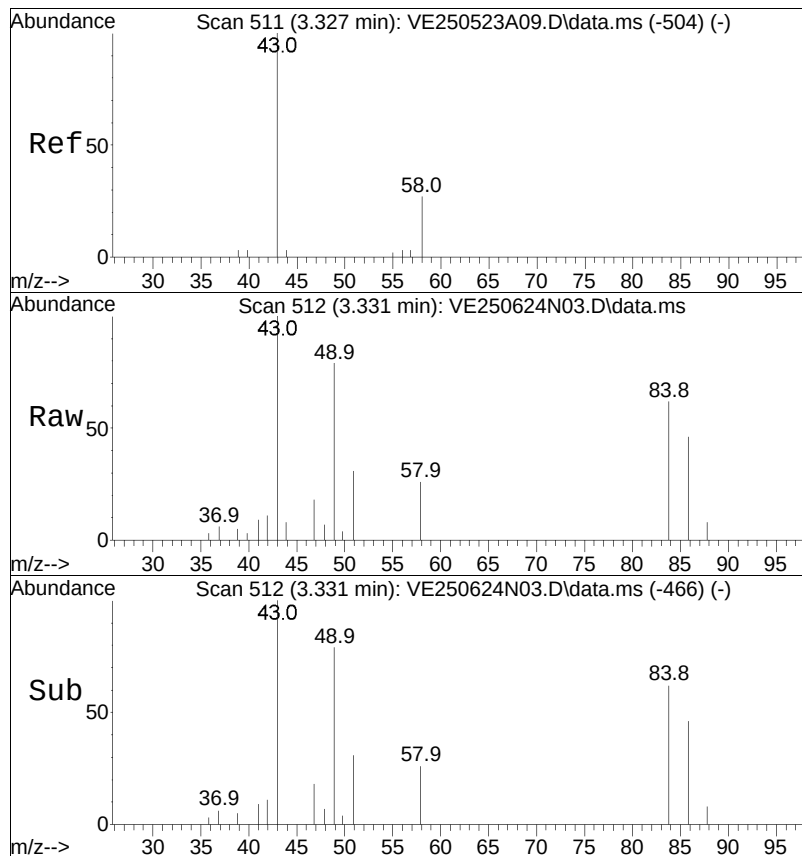




#15
Methylene chloride
Concen: 10.66 ug/L
RT: 3.287 min Scan# 502
Delta R.T. -0.005 min
Lab File: VE250624N03.D
Acq: 24 Jun 2025 11:13 pm

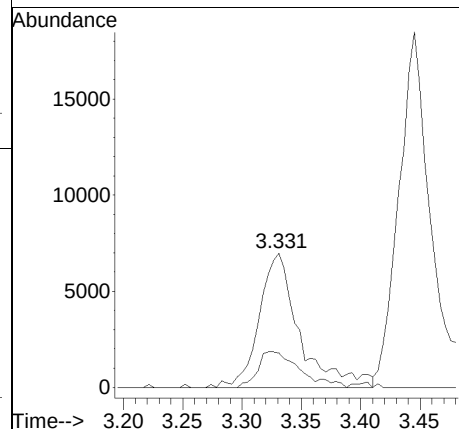
Tgt Ion:	84	Resp:	76342
Ion Ratio	Lower	Upper	
84	100		
86	62.7	40.6	84.4
49	134.8	100.0	207.6

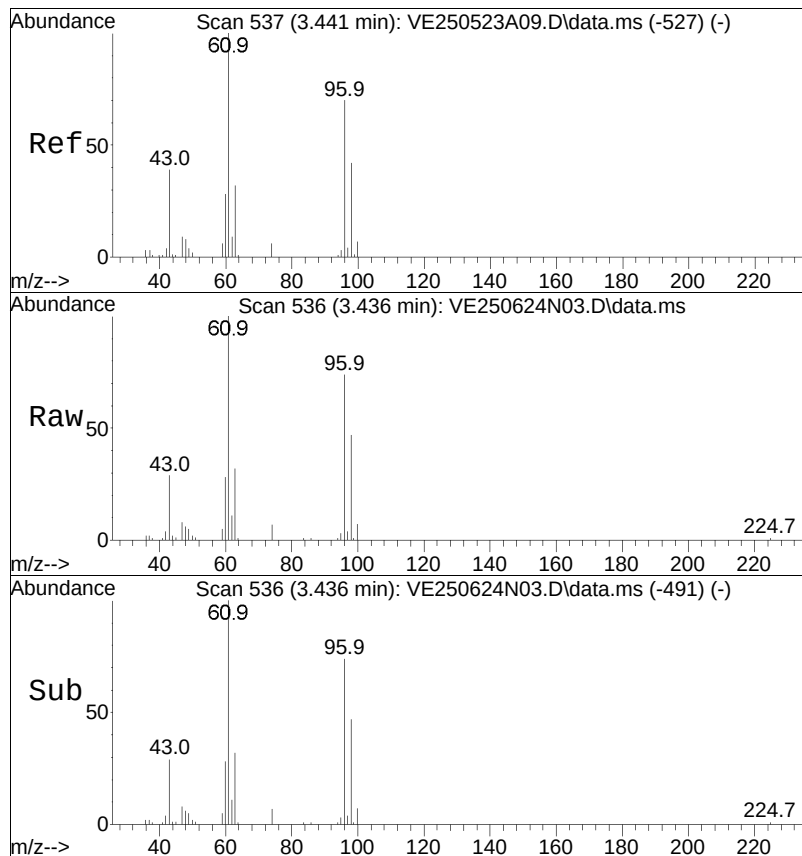




#17
 Acetone
 Concen: 10.34 ug/L
 RT: 3.331 min Scan# 512
 Delta R.T. 0.004 min
 Lab File: VE250624N03.D
 Acq: 24 Jun 2025 11:13 pm

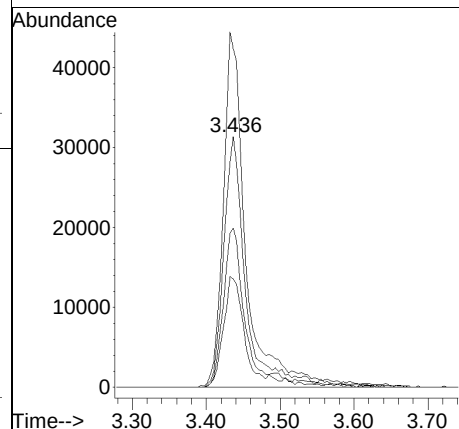
Tgt Ion	Ratio	Lower	Upper
43	100		
58	27.6	22.4	33.6

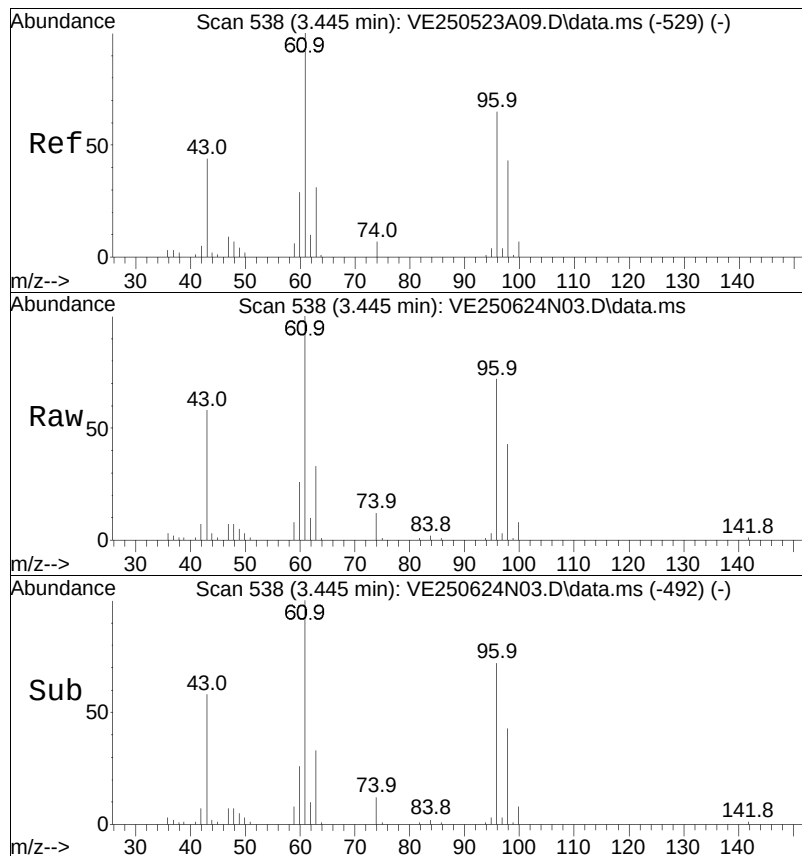




#18
 trans-1,2-Dichloroethene
 Concen: 10.05 ug/L
 RT: 3.436 min Scan# 536
 Delta R.T. -0.005 min
 Lab File: VE250624N03.D
 Acq: 24 Jun 2025 11:13 pm

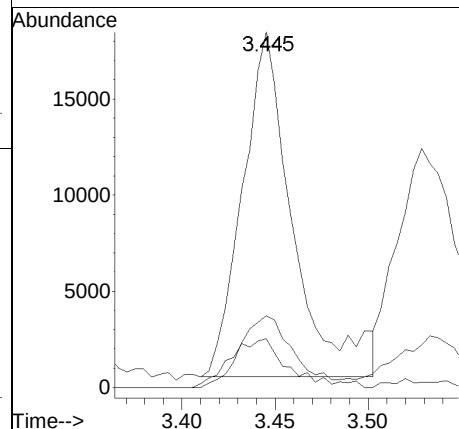
Tgt Ion: 96	Resp: 67055
Ion Ratio	Lower Upper
96 100	
61 143.6	99.5 206.6
98 65.0	40.5 84.1
63 46.0	32.0 66.4

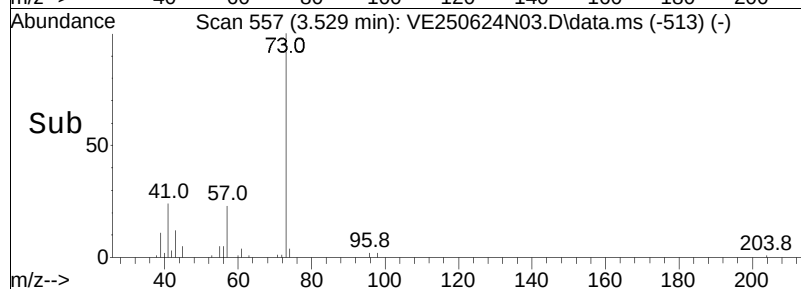
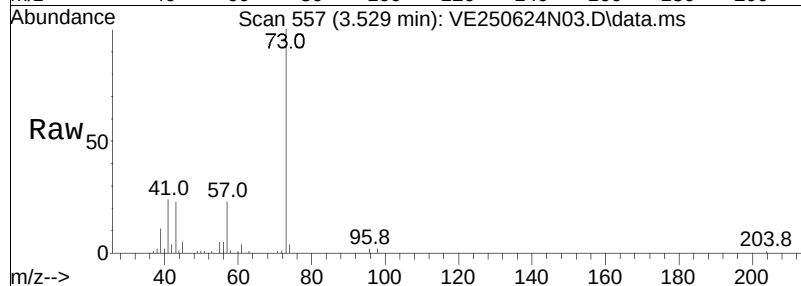
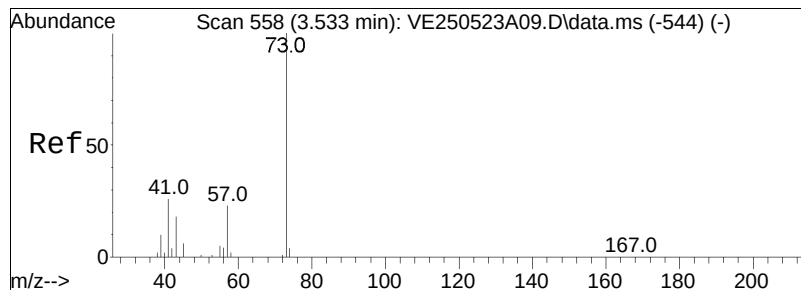




#19
Methyl acetate
Concen: 8.81 ug/L
RT: 3.445 min Scan# 538
Delta R.T. 0.000 min
Lab File: VE250624N03.D
Acq: 24 Jun 2025 11:13 pm

Tgt Ion	Ratio	Lower	Upper
43	100		
74	22.9	17.4	26.2
59	16.2	16.1	24.1





#21

Methyl tert-butyl ether

Concen: 9.54 ug/L

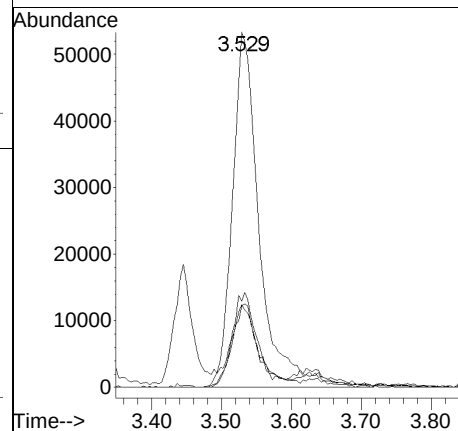
RT: 3.529 min Scan# 557

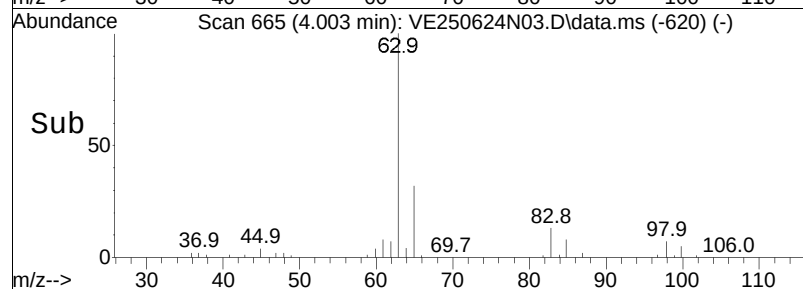
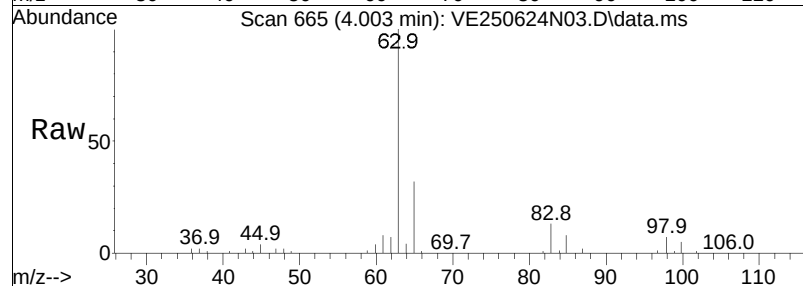
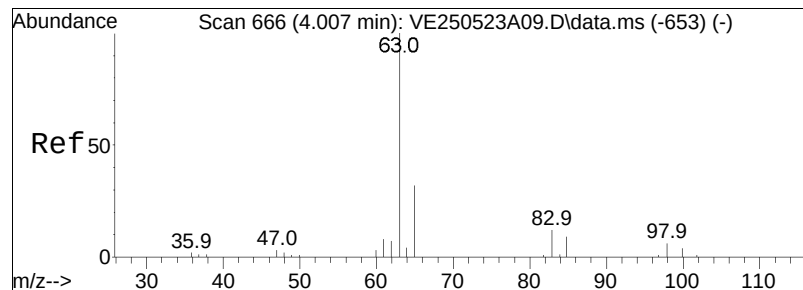
Delta R.T. -0.005 min

Lab File: VE250624N03.D

Acq: 24 Jun 2025 11:13 pm

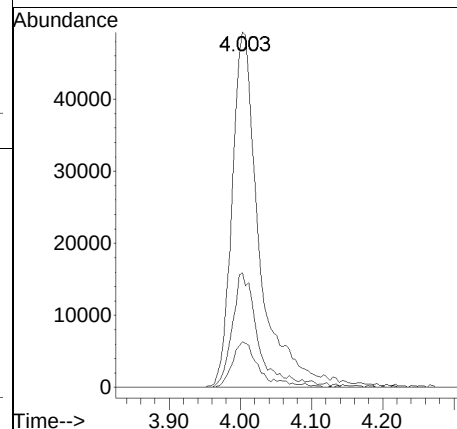
Tgt Ion:	73	Resp:	145329
Ion Ratio	Lower	Upper	
73	100		
57	25.0	17.6	36.5
43	24.7	0.0	0.0#
41	31.8	22.8	47.4

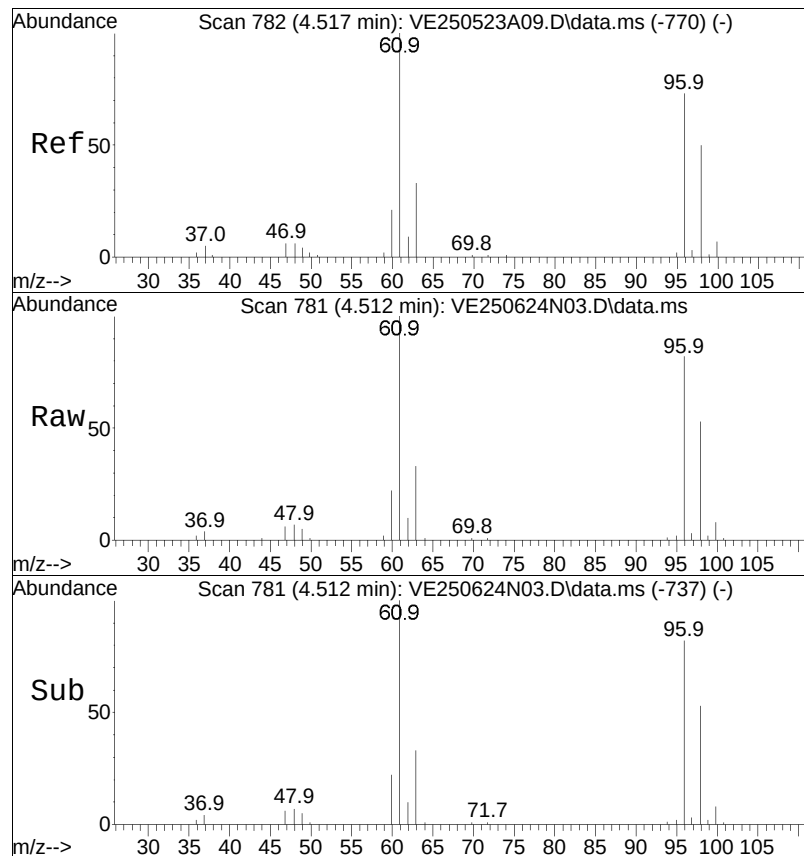




#25
 1,1-Dichloroethane
 Concen: 10.14 ug/L
 RT: 4.003 min Scan# 665
 Delta R.T. -0.005 min
 Lab File: VE250624N03.D
 Acq: 24 Jun 2025 11:13 pm

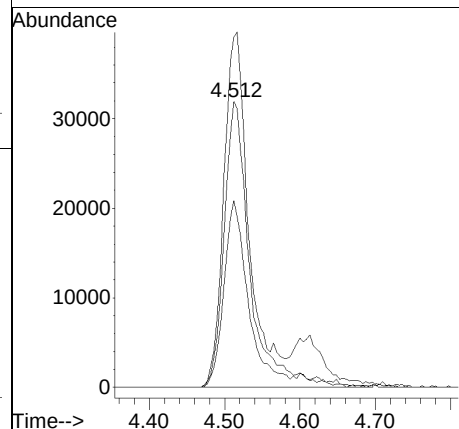
Tgt Ion	Ratio	Lower	Upper
63	100		
65	31.4	10.0	50.0
83	12.8	0.0	32.2

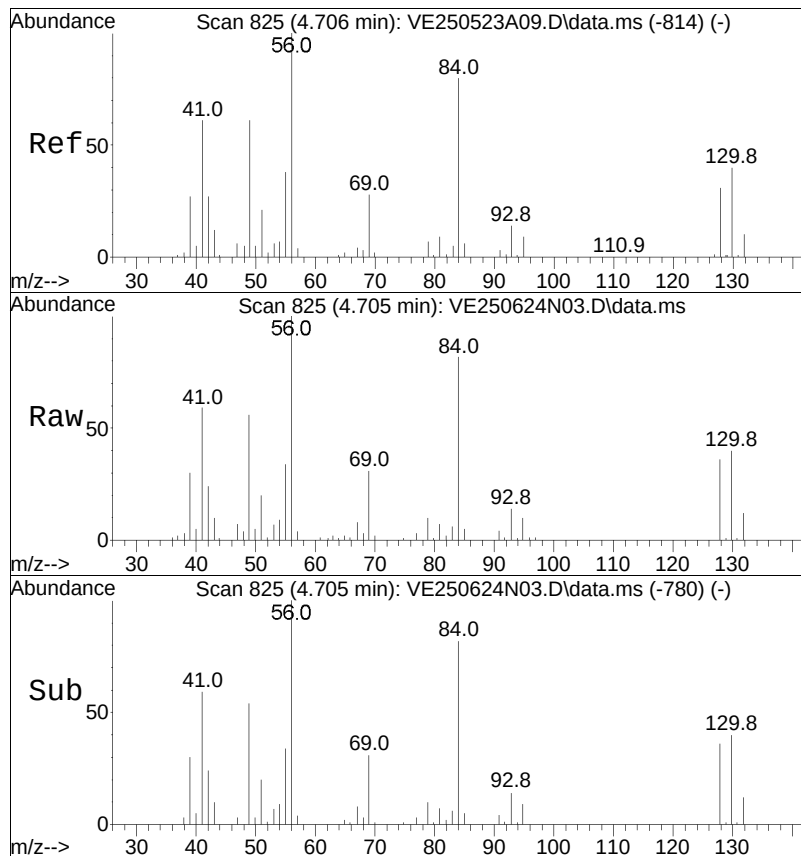




#30
 cis-1,2-Dichloroethene
 Concen: 10.04 ug/L
 RT: 4.512 min Scan# 781
 Delta R.T. -0.005 min
 Lab File: VE250624N03.D
 Acq: 24 Jun 2025 11:13 pm

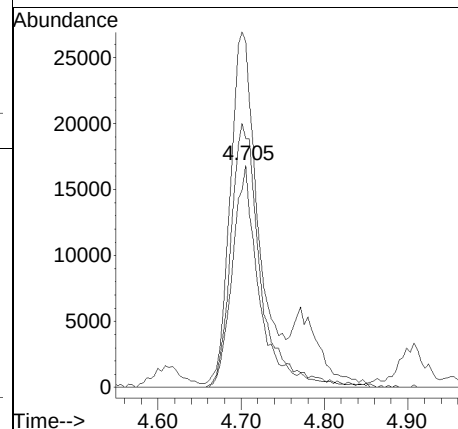
Tgt Ion:	96	Resp:	77605
Ion Ratio	Lower	Upper	
96	100		
61	142.2	131.5	197.3
98	65.2	51.8	77.8

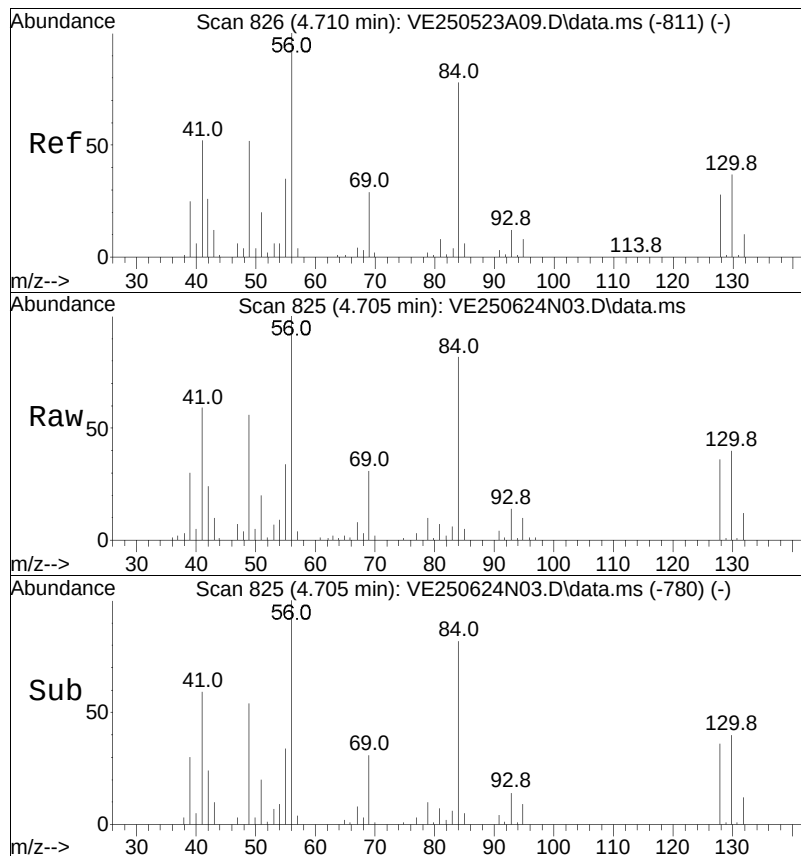




#33
 Bromochloromethane
 Concen: 10.49 ug/L
 RT: 4.705 min Scan# 825
 Delta R.T. -0.000 min
 Lab File: VE250624N03.D
 Acq: 24 Jun 2025 11:13 pm

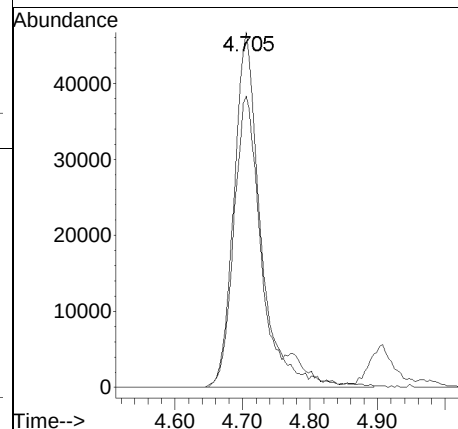
Tgt Ion	Ratio	Lower	Upper
128	100		
49	194.5	194.2	291.2
130	130.0	99.7	149.5

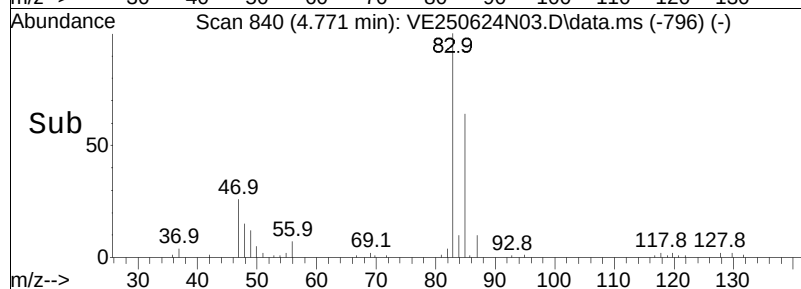
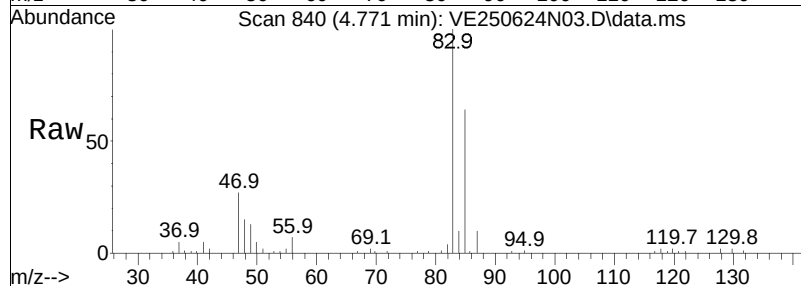
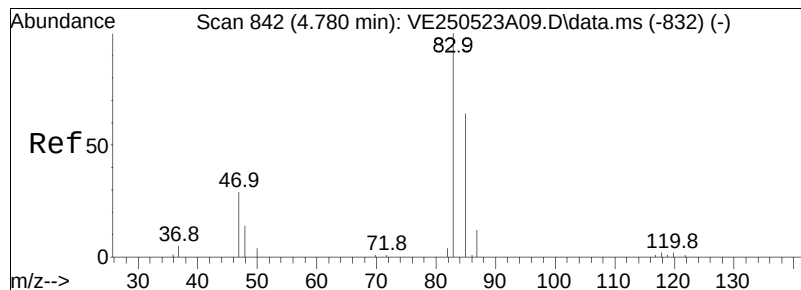




#34
Cyclohexane
Concen: 9.23 ug/L
RT: 4.705 min Scan# 825
Delta R.T. -0.005 min
Lab File: VE250624N03.D
Acq: 24 Jun 2025 11:13 pm

Tgt Ion	Ratio	Lower	Upper
56	100		
84	87.9	51.9	107.9





#35

Chloroform

Concen: 10.02 ug/L

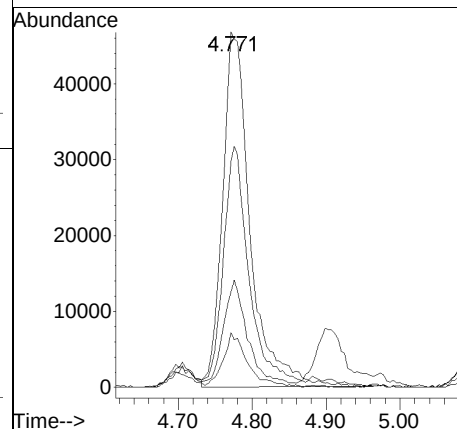
RT: 4.771 min Scan# 840

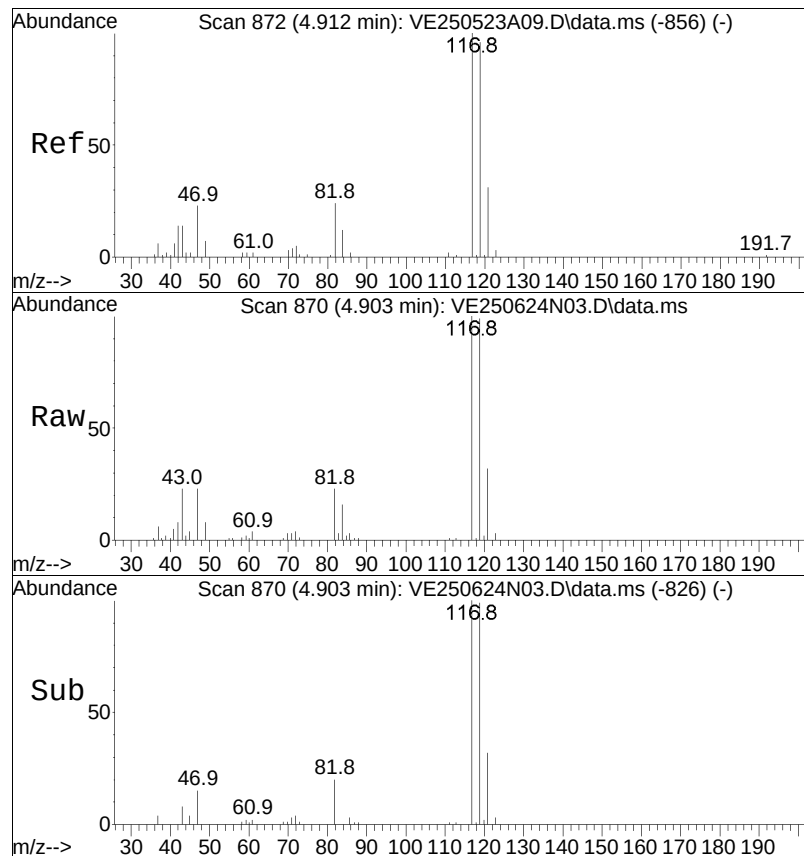
Delta R.T. -0.009 min

Lab File: VE250624N03.D

Acq: 24 Jun 2025 11:13 pm

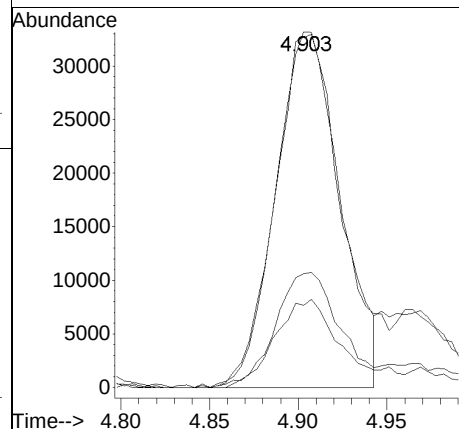
Tgt	Ion: 83	Resp:	123249
Ion	Ratio	Lower	Upper
83	100		
85	64.8	41.7	86.5
47	23.1	17.4	36.2
48	13.7	9.2	19.0

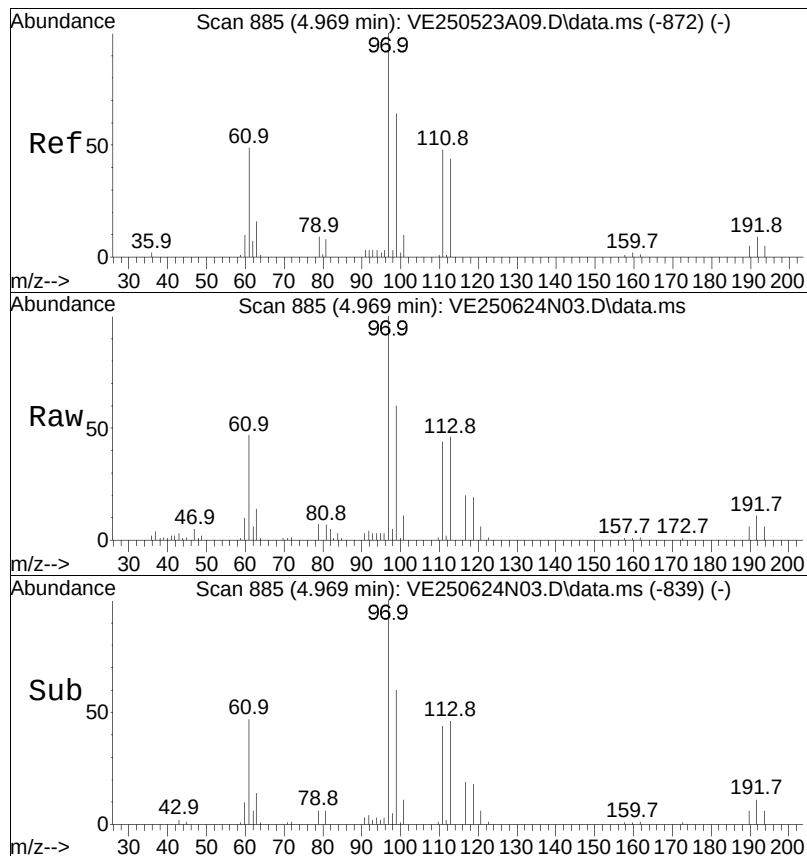




#37
 Carbon tetrachloride
 Concen: 9.76 ug/L M6
 RT: 4.903 min Scan# 870
 Delta R.T. -0.009 min
 Lab File: VE250624N03.D
 Acq: 24 Jun 2025 11:13 pm

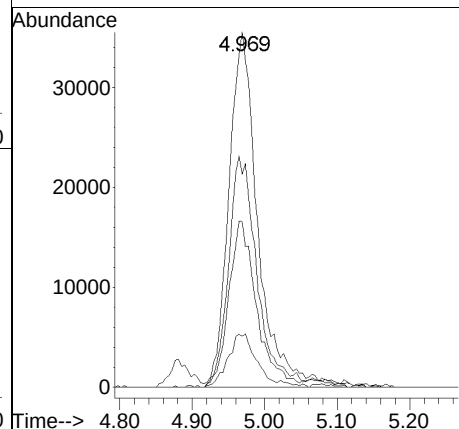
Tgt Ion:	117	Resp:	84501
Ion Ratio	Lower	Upper	
117	100		
119	124.7	70.5	146.5
121	39.4	23.0	47.8
82	29.9	19.2	39.8

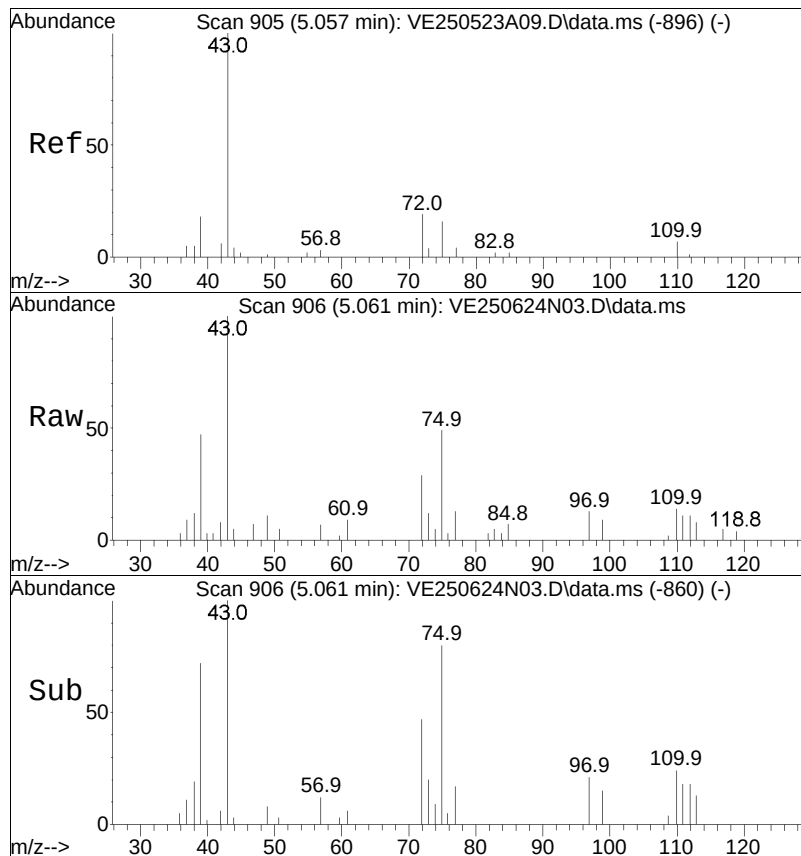




#40
 1,1,1-Trichloroethane
 Concen: 10.02 ug/L
 RT: 4.969 min Scan# 885
 Delta R.T. -0.000 min
 Lab File: VE250624N03.D
 Acq: 24 Jun 2025 11:13 pm

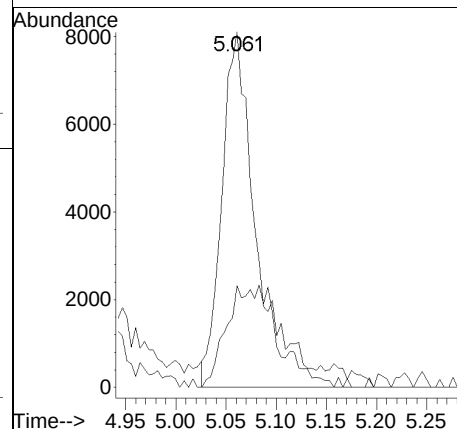
Tgt Ion:	97	Resp:	100296
Ion Ratio	Lower	Upper	
97	100		
99	64.9	41.2	85.6
61	47.6	32.8	68.2
63	15.3	10.1	20.9

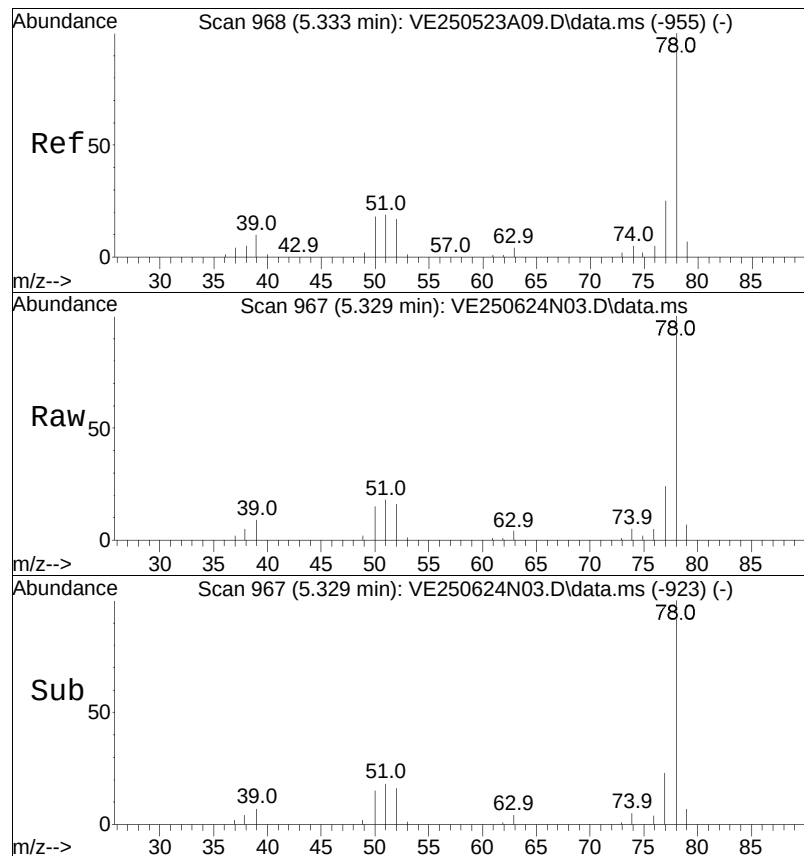




#42
 2-Butanone
 Concen: 8.91 ug/L
 RT: 5.061 min Scan# 906
 Delta R.T. 0.004 min
 Lab File: VE250624N03.D
 Acq: 24 Jun 2025 11:13 pm

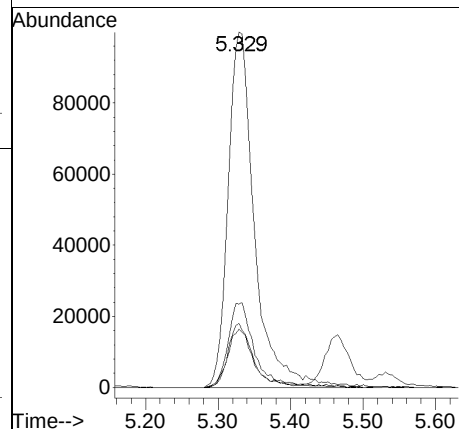
Tgt Ion: 43 Resp: 20565
 Ion Ratio Lower Upper
 43 100
 72 40.3 30.2 45.4

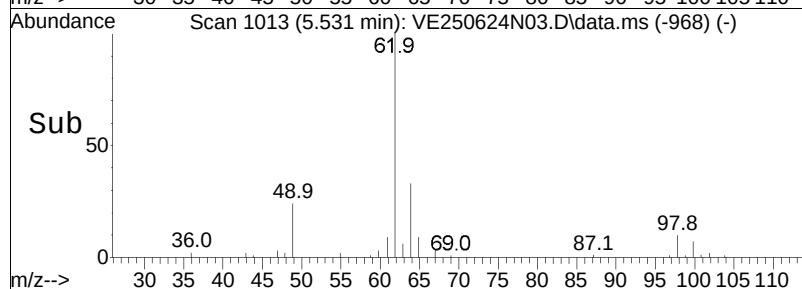
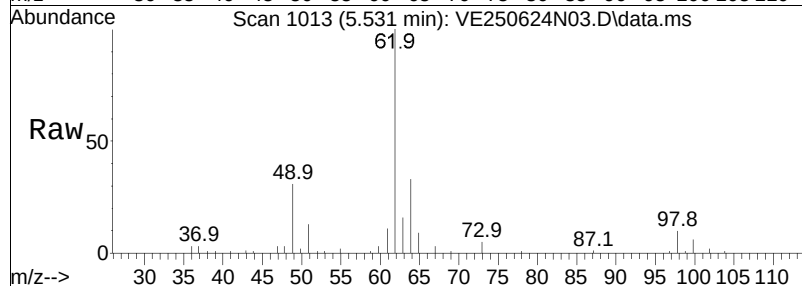
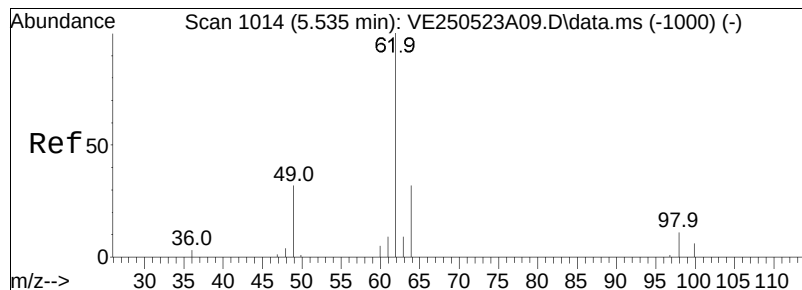




#45
Benzene
Concen: 9.68 ug/L
RT: 5.329 min Scan# 967
Delta R.T. -0.005 min
Lab File: VE250624N03.D
Acq: 24 Jun 2025 11:13 pm

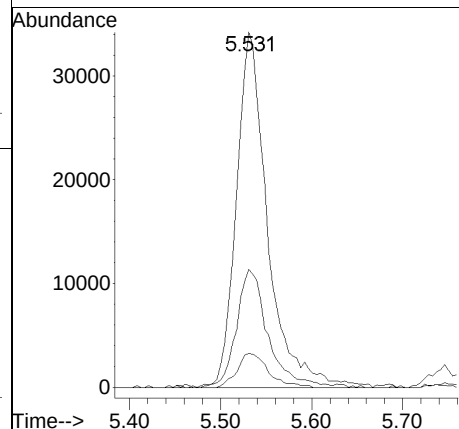
Tgt	Ion: 78	Resp:	254293
Ion	Ratio	Lower	Upper
78	100		
77	24.0	15.1	31.3
51	17.5	12.7	26.5
52	16.8	12.2	25.4

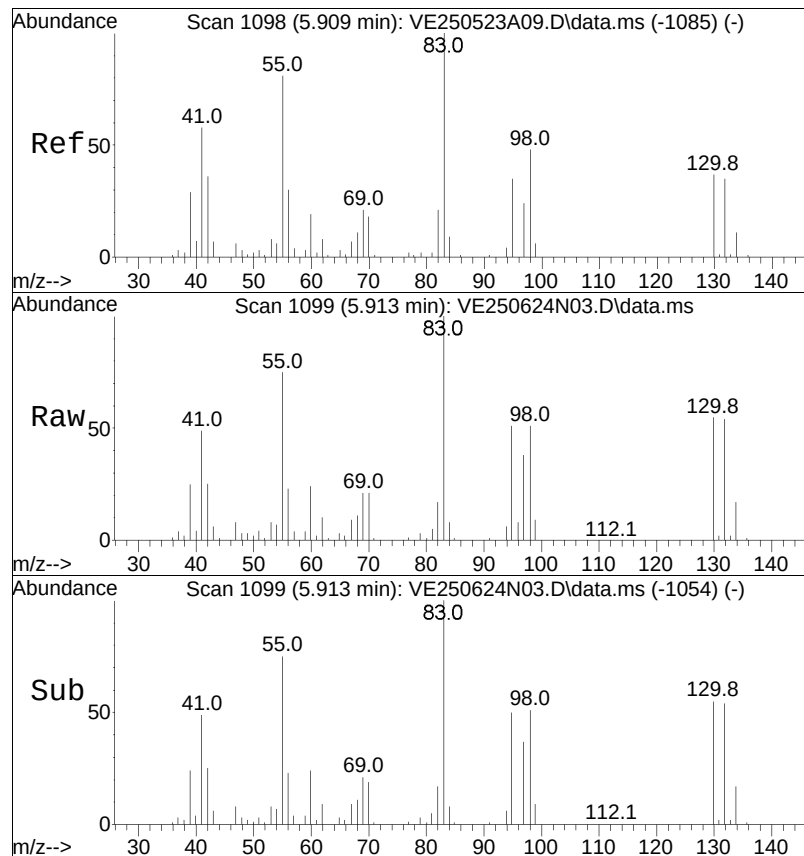




#48
 1,2-Dichloroethane
 Concen: 10.38 ug/L
 RT: 5.531 min Scan# 1013
 Delta R.T. -0.005 min
 Lab File: VE250624N03.D
 Acq: 24 Jun 2025 11:13 pm

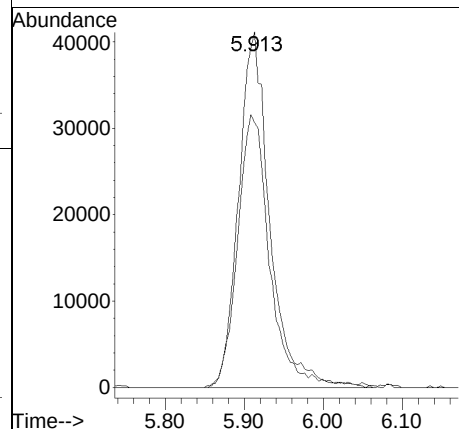
Tgt Ion	Ratio	Lower	Upper
62	100		
64	33.9	12.6	52.6
98	9.6	0.0	28.3

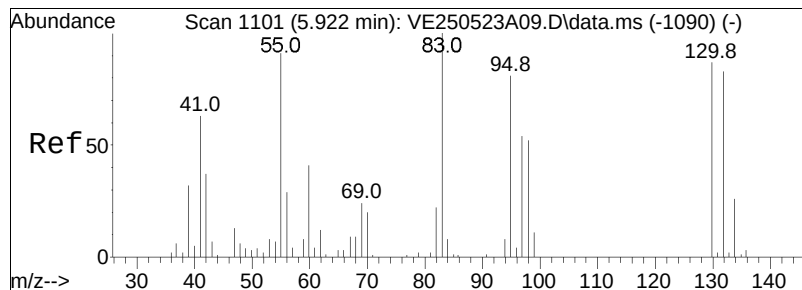




#51
Methyl cyclohexane
Concen: 9.52 ug/L
RT: 5.913 min Scan# 1099
Delta R.T. 0.004 min
Lab File: VE250624N03.D
Acq: 24 Jun 2025 11:13 pm

Tgt Ion	83	Resp	112936
Ion Ratio	100	Lower	Upper
55	79.0	72.5	108.7





#52

Trichloroethene

Concen: 10.12 ug/L

RT: 5.922 min Scan# 1101

Delta R.T. -0.000 min

Lab File: VE250624N03.D

Acq: 24 Jun 2025 11:13 pm

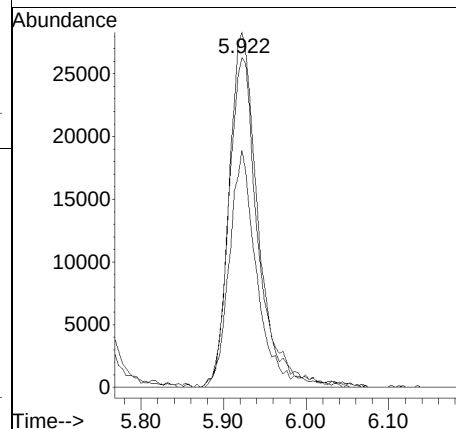
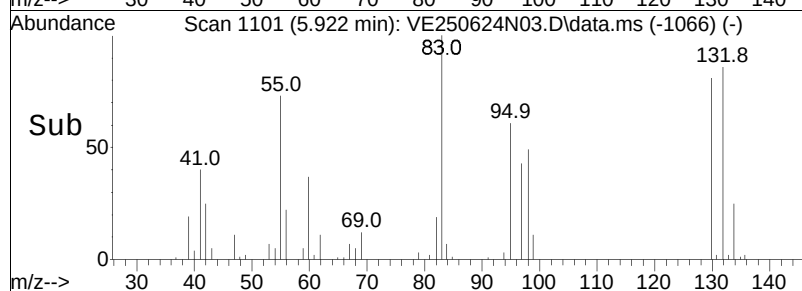
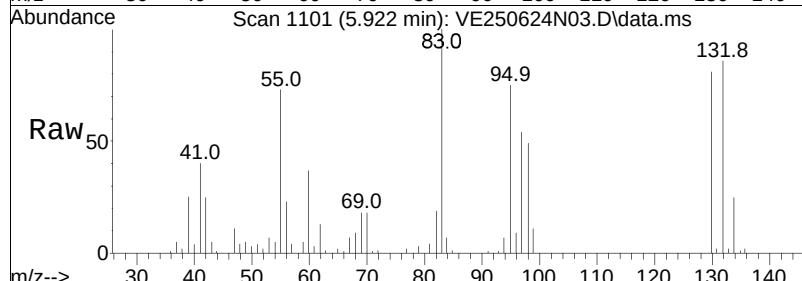
Tgt Ion: 95 Resp: 65079

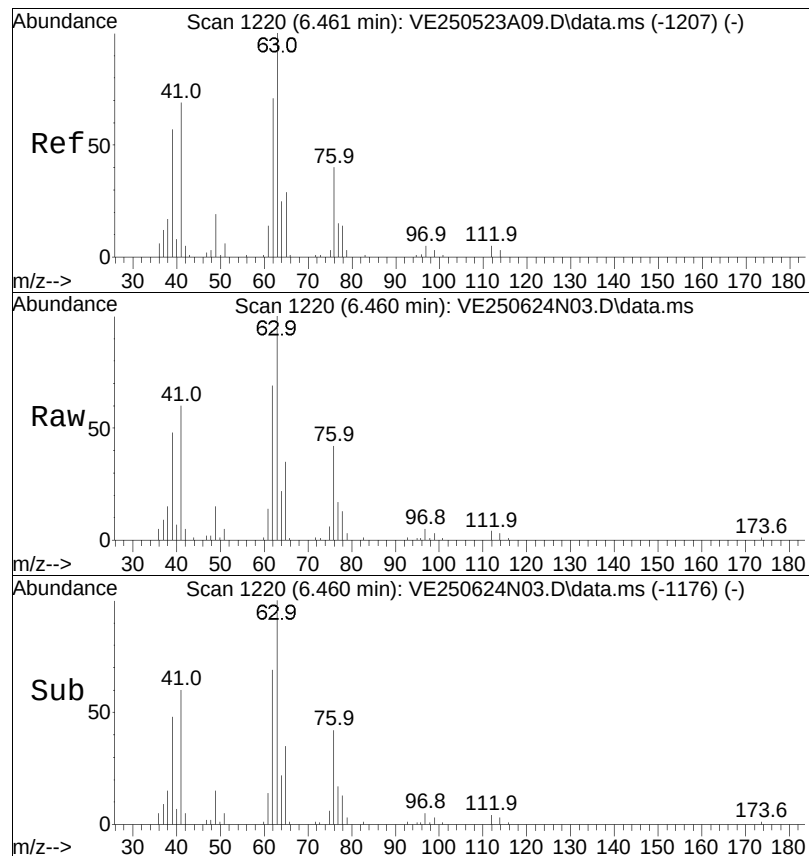
Ion Ratio Lower Upper

95 100

97 68.3 54.6 81.8

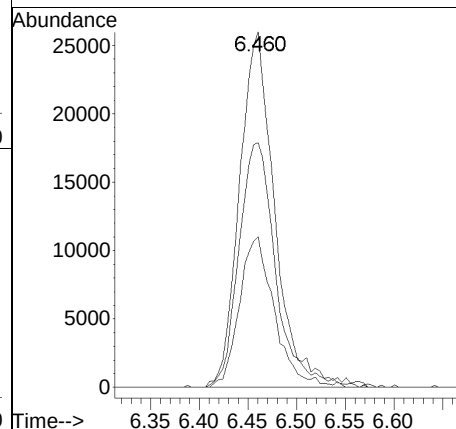
130 107.3 79.5 119.3

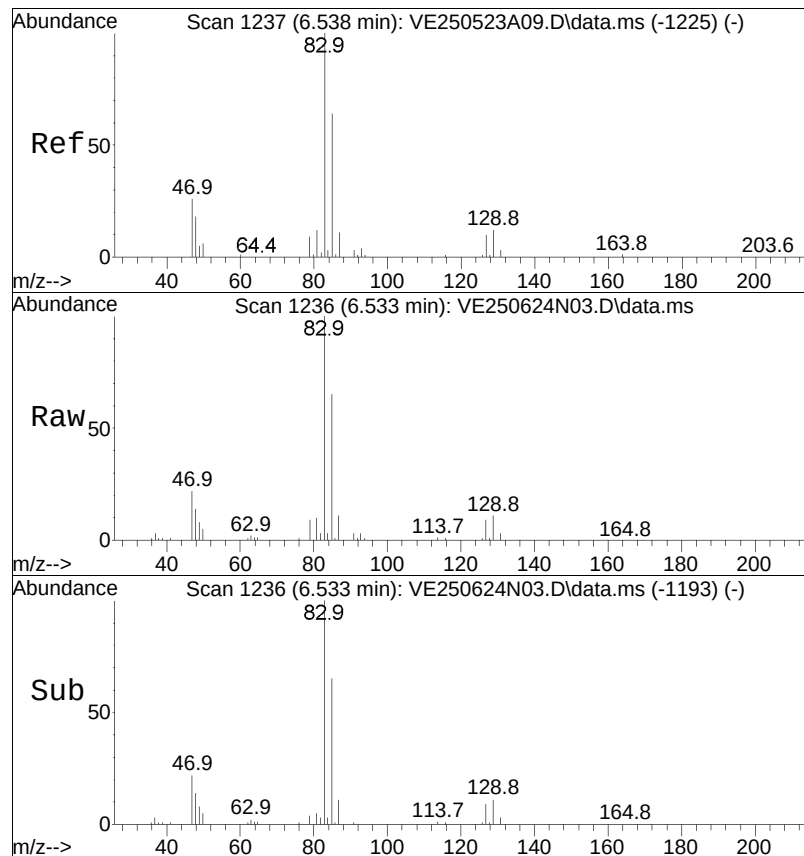




#55
 1,2-Dichloropropane
 Concen: 9.64 ug/L
 RT: 6.460 min Scan# 1220
 Delta R.T. -0.000 min
 Lab File: VE250624N03.D
 Acq: 24 Jun 2025 11:13 pm

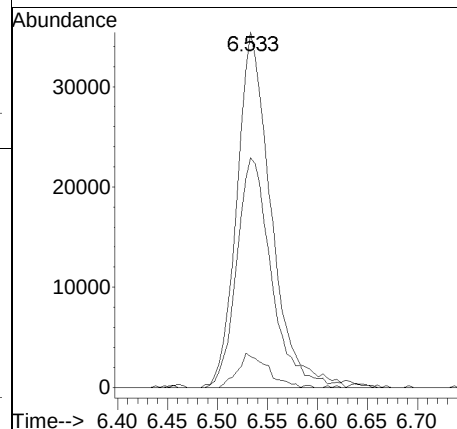
Tgt Ion:	63	Resp:	65985
Ion Ratio	Lower	Upper	
63	100		
62	71.4	57.3	85.9
76	42.1	33.4	50.2

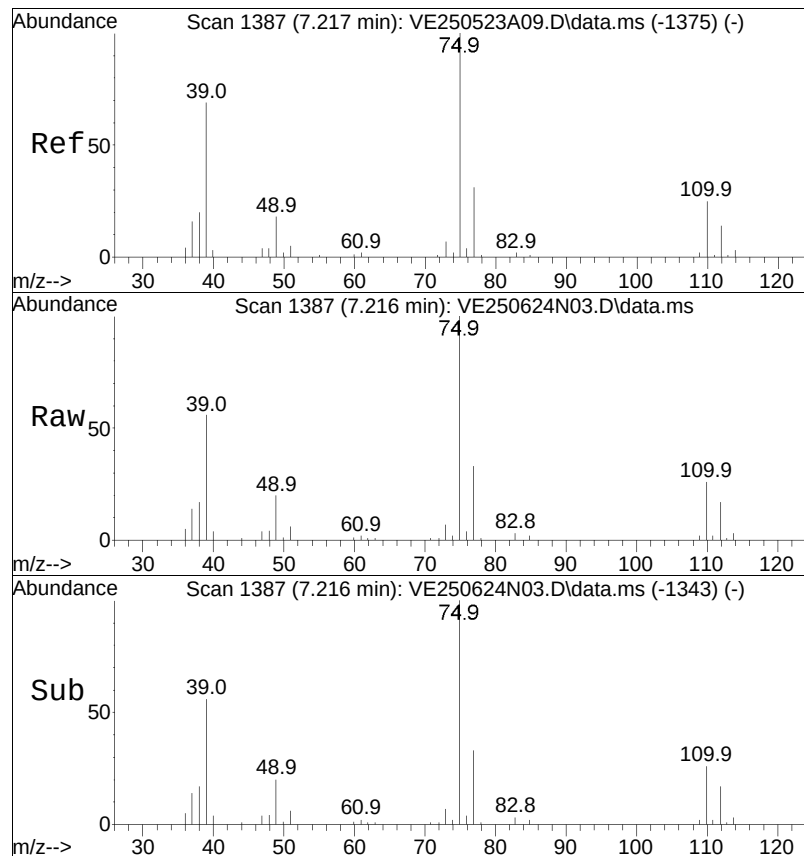




#58
 Bromodichloromethane
 Concen: 9.55 ug/L
 RT: 6.533 min Scan# 1236
 Delta R.T. -0.005 min
 Lab File: VE250624N03.D
 Acq: 24 Jun 2025 11:13 pm

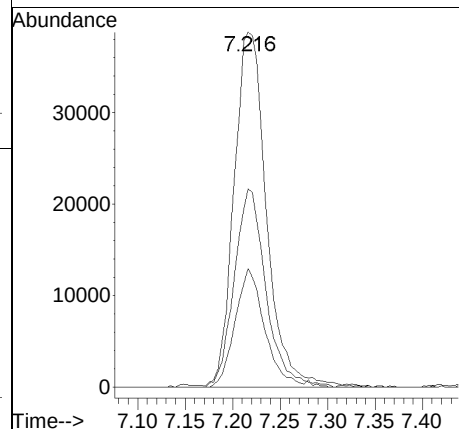
Tgt	Ion: 83	Resp:	84690
Ion	Ratio	Lower	Upper
83	100		
85	65.5	51.9	77.9
127	8.5	7.3	10.9

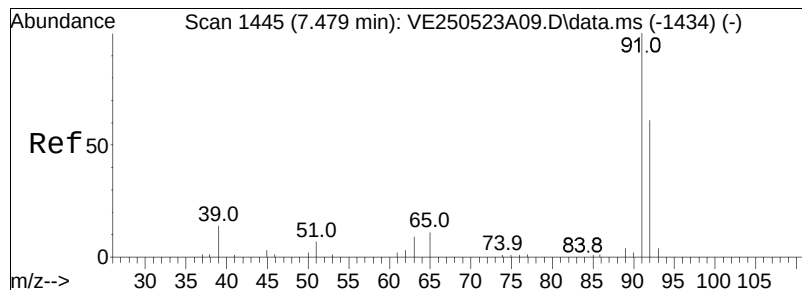




#62
 cis-1,3-Dichloropropene
 Concen: 9.40 ug/L
 RT: 7.216 min Scan# 1387
 Delta R.T. -0.000 min
 Lab File: VE250624N03.D
 Acq: 24 Jun 2025 11:13 pm

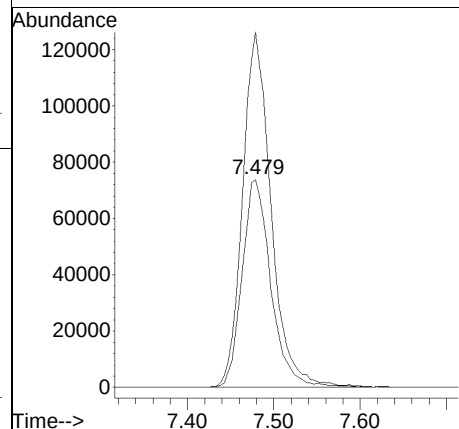
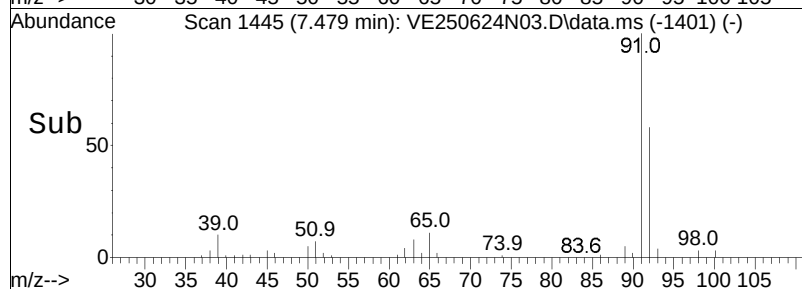
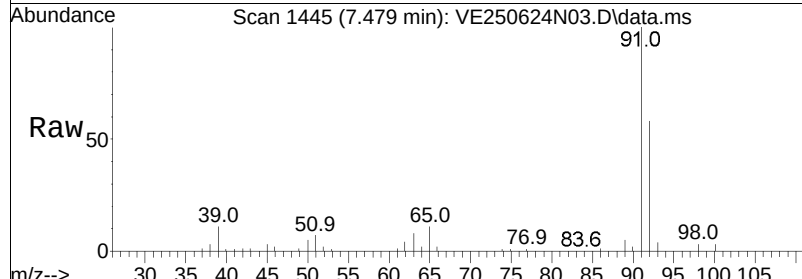
Tgt	Ion: 75	Resp:	92778
Ion	Ratio	Lower	Upper
75	100		
77	30.9	25.1	37.7
39	54.4	47.5	71.3

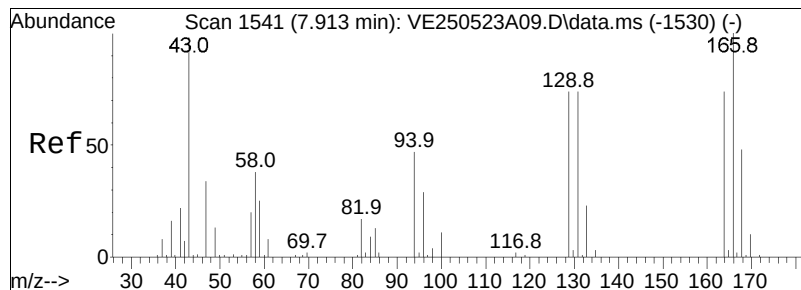




#65
Toluene
Concen: 9.82 ug/L
RT: 7.479 min Scan# 1445
Delta R.T. -0.000 min
Lab File: VE250624N03.D
Acq: 24 Jun 2025 11:13 pm

Tgt Ion	Ratio	Lower	Upper
92	100		
91	168.9	134.2	201.2





#66

4-Methyl-2-pentanone

Concen: 9.09 ug/L

RT: 7.913 min Scan# 1541

Delta R.T. -0.000 min

Lab File: VE250624N03.D

Acq: 24 Jun 2025 11:13 pm

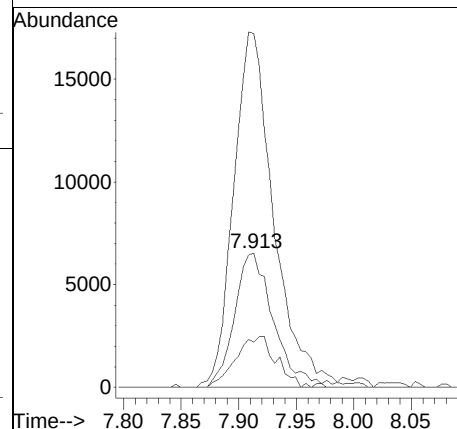
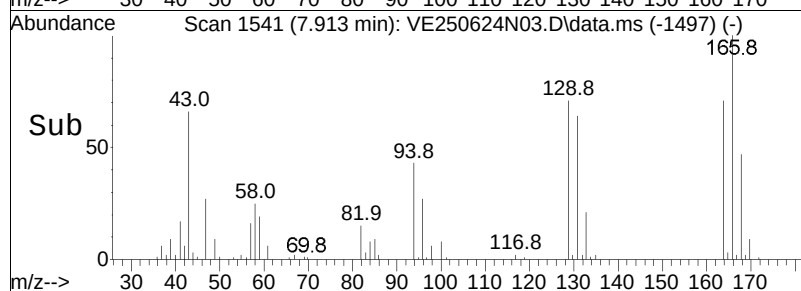
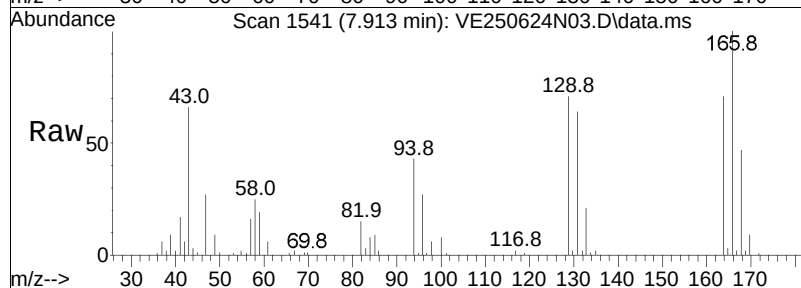
Tgt Ion: 58 Resp: 15787

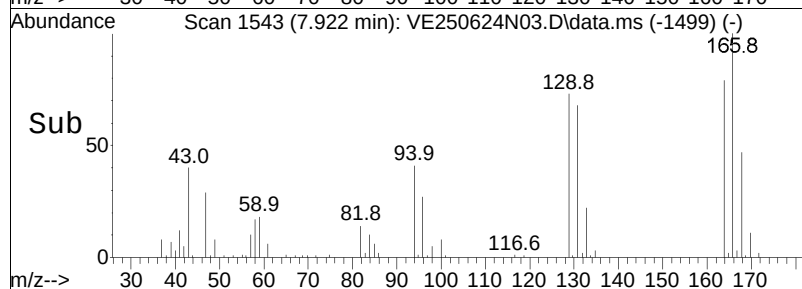
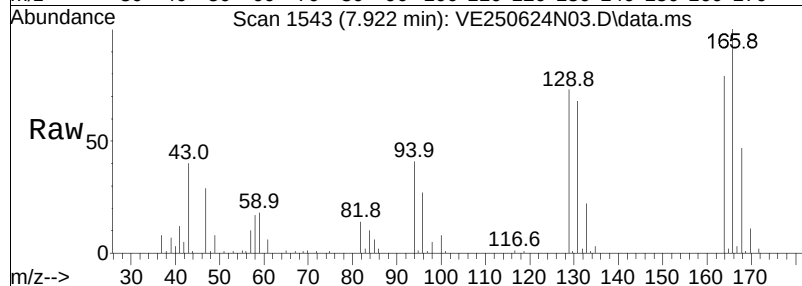
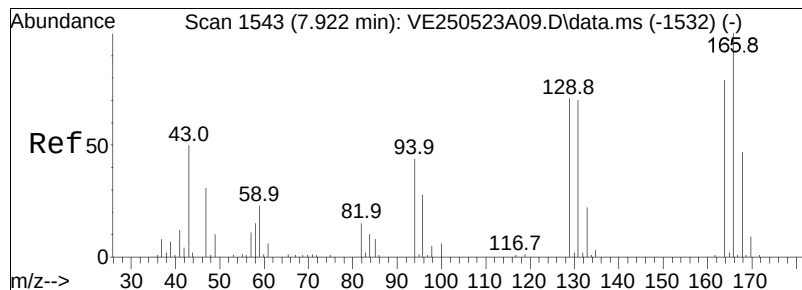
Ion Ratio Lower Upper

58 100

100 38.5 29.9 44.9

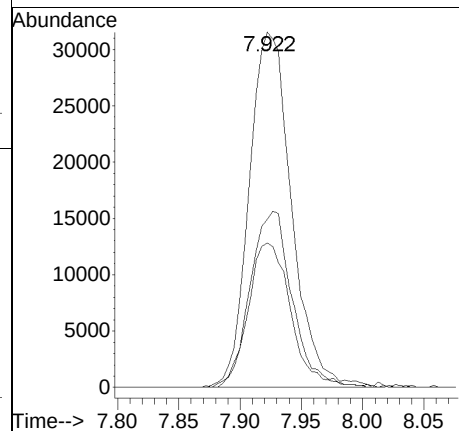
43 268.6 230.2 345.4

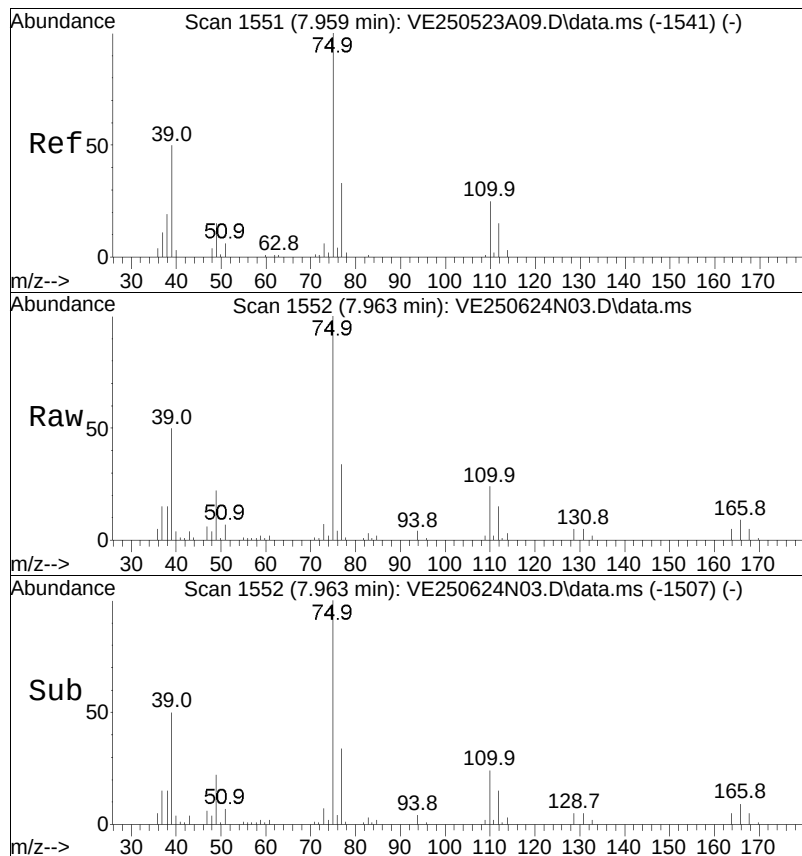




#67
Tetrachloroethene
Concen: 10.39 ug/L
RT: 7.922 min Scan# 1543
Delta R.T. -0.000 min
Lab File: VE250624N03.D
Acq: 24 Jun 2025 11:13 pm

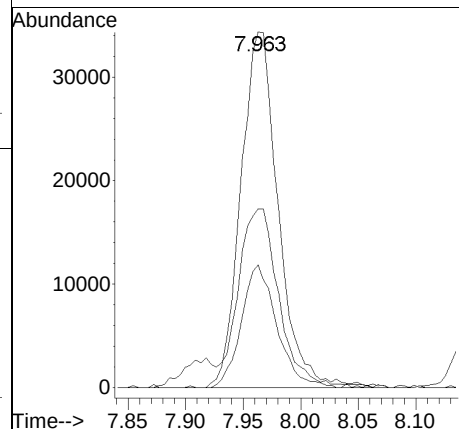
Tgt Ion	Ratio	Lower	Upper
166	100		
168	49.4	28.0	68.0
94	40.9	22.9	62.9

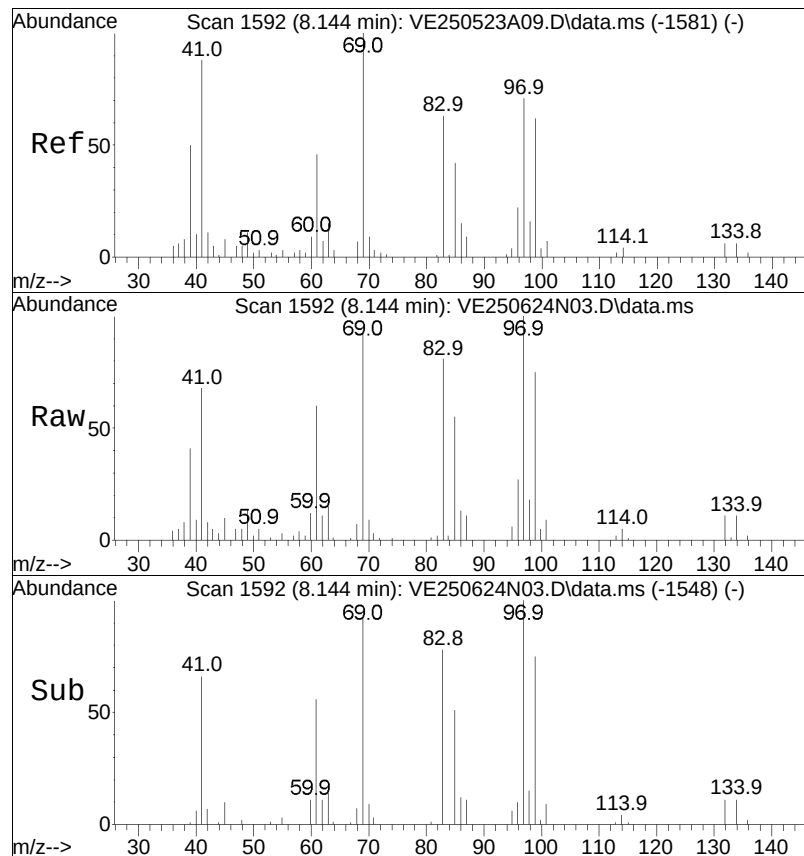




#69
trans-1,3-Dichloropropene
Concen: 9.14 ug/L
RT: 7.963 min Scan# 1552
Delta R.T. 0.004 min
Lab File: VE250624N03.D
Acq: 24 Jun 2025 11:13 pm

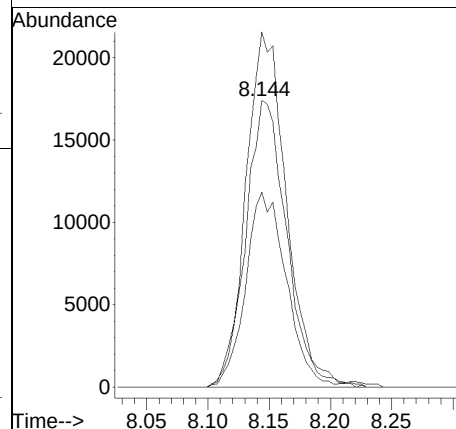
Tgt Ion:	75	Resp:	77557
Ion Ratio	Lower	Upper	
75	100		
77	32.7	11.2	51.2
39	54.1	36.8	76.8

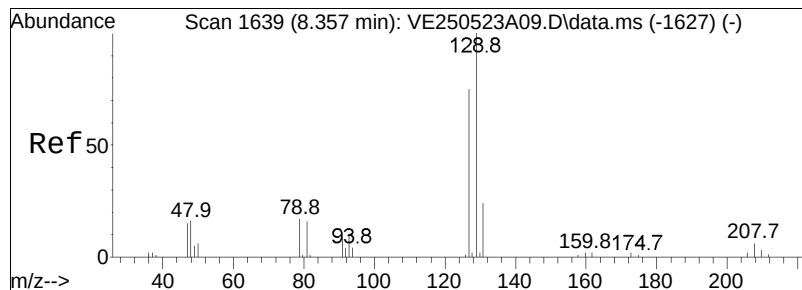




#72
 1,1,2-Trichloroethane
 Concen: 9.60 ug/L
 RT: 8.144 min Scan# 1592
 Delta R.T. -0.000 min
 Lab File: VE250624N03.D
 Acq: 24 Jun 2025 11:13 pm

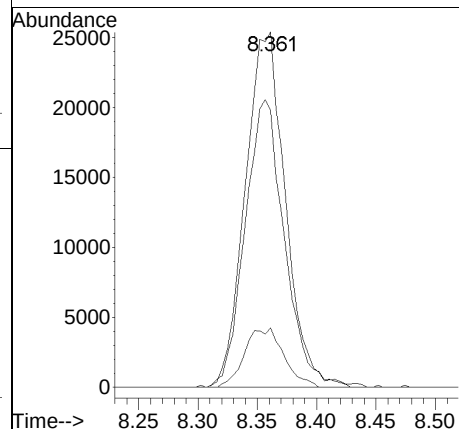
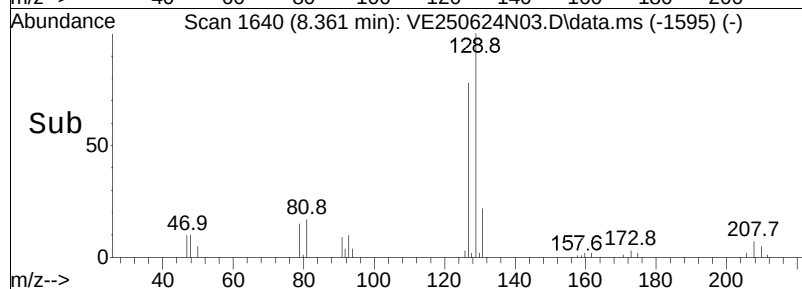
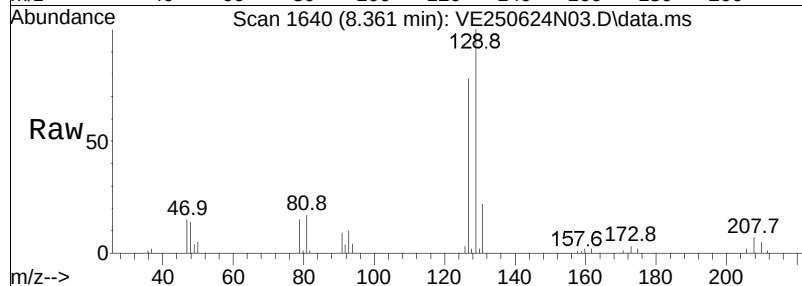
Tgt Ion	Ratio	Lower	Upper
83	100		
97	123.7	93.6	133.6
85	68.3	44.0	84.0

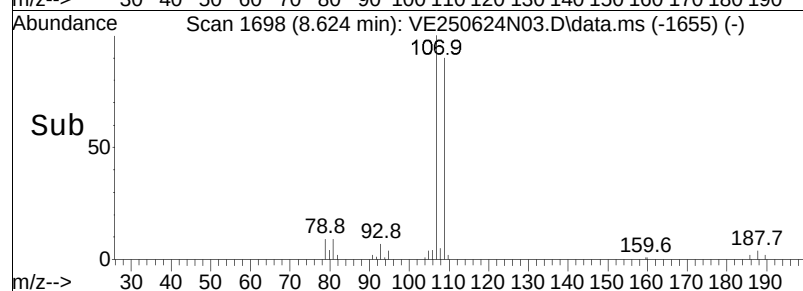
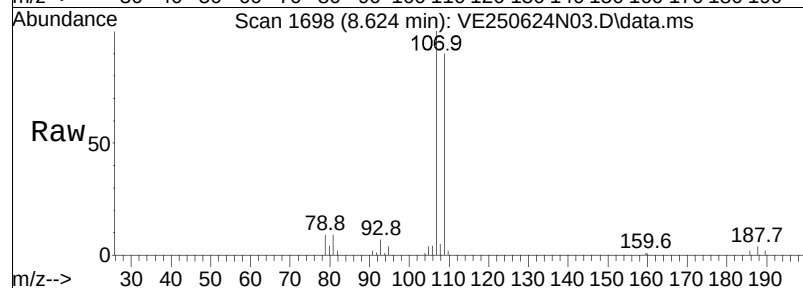
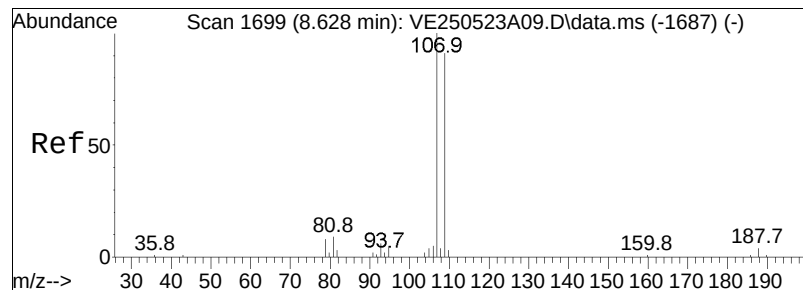




#73
 Chlorodibromomethane
 Concen: 9.10 ug/L
 RT: 8.361 min Scan# 1640
 Delta R.T. 0.004 min
 Lab File: VE250624N03.D
 Acq: 24 Jun 2025 11:13 pm

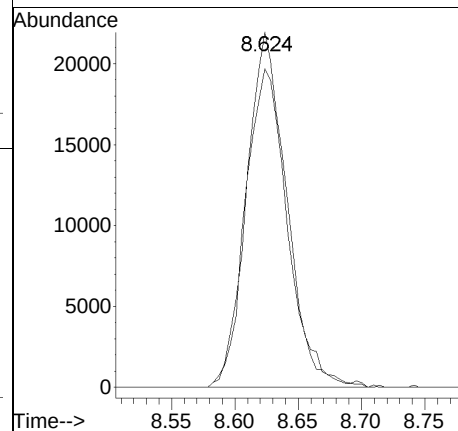
Tgt Ion	Ratio	Lower	Upper
129	100		
81	16.4	0.0	36.6
127	79.4	57.7	97.7

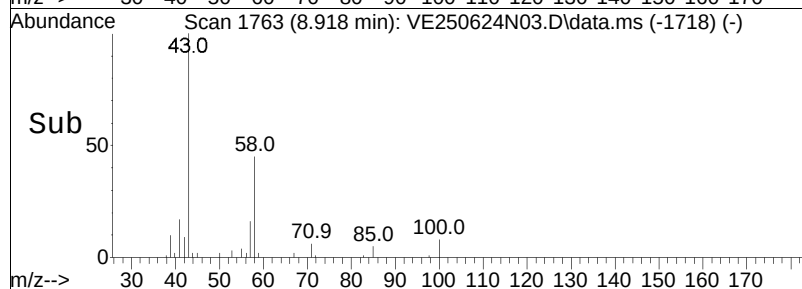
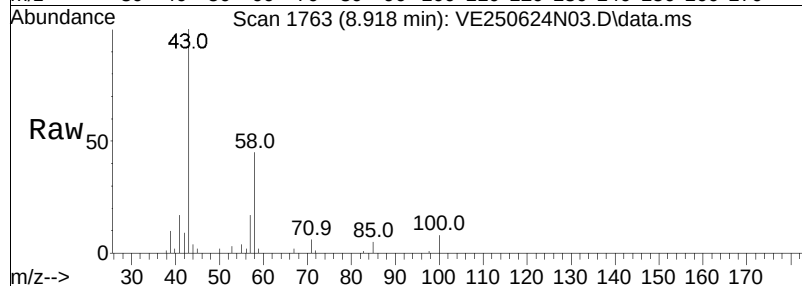
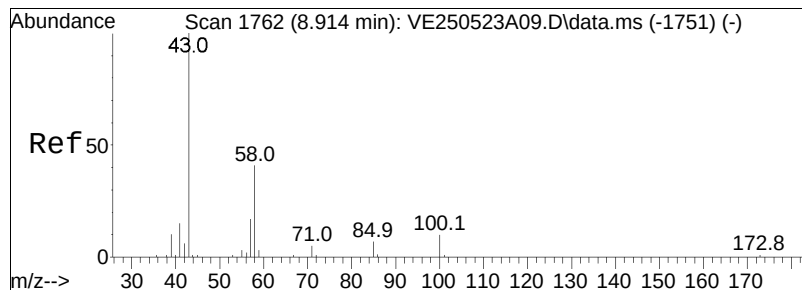




#75
 1,2-Dibromoethane
 Concen: 9.59 ug/L
 RT: 8.624 min Scan# 1698
 Delta R.T. -0.005 min
 Lab File: VE250624N03.D
 Acq: 24 Jun 2025 11:13 pm

Tgt Ion	Ratio	Lower	Upper
107	100		
109	93.4	75.0	112.6





#77

2-Hexanone

Concen: 6.91 ug/L

RT: 8.918 min Scan# 1763

Delta R.T. 0.004 min

Lab File: VE250624N03.D

Acq: 24 Jun 2025 11:13 pm

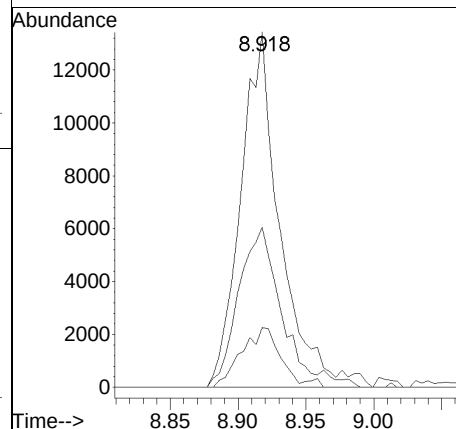
Tgt Ion: 43 Resp: 27173

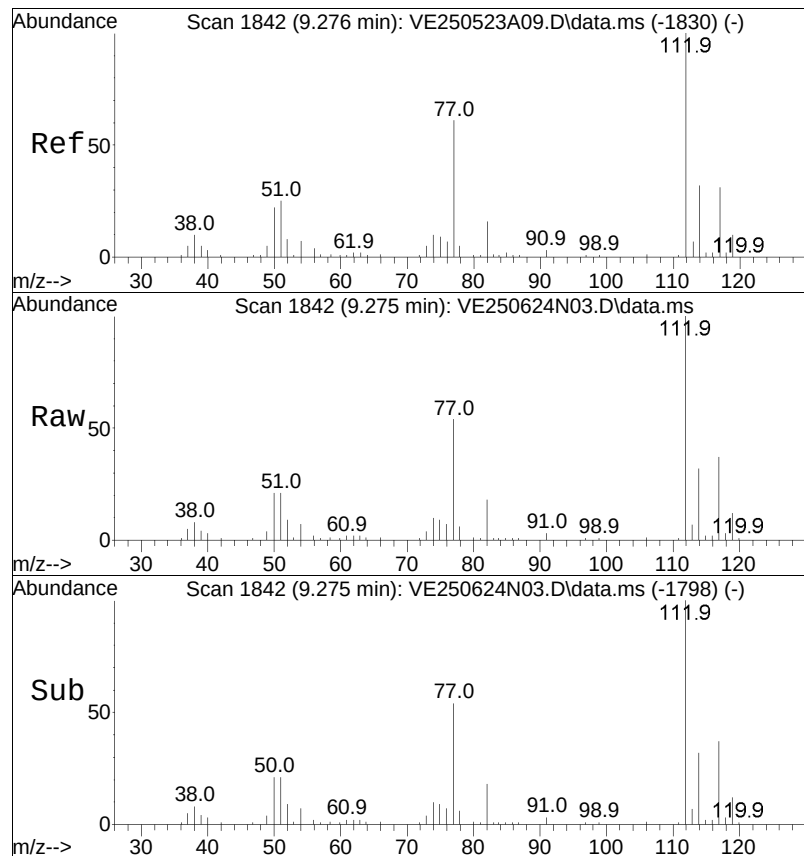
Ion Ratio Lower Upper

43 100

58 49.7 38.6 58.0

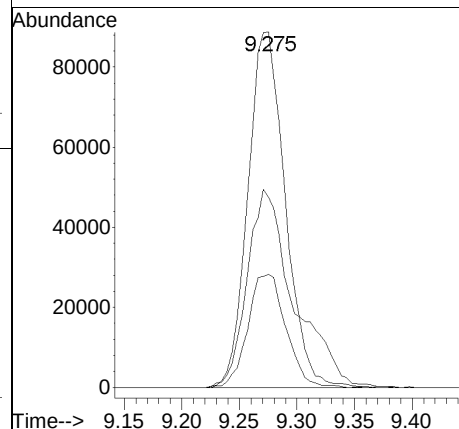
57 17.0 14.5 21.7

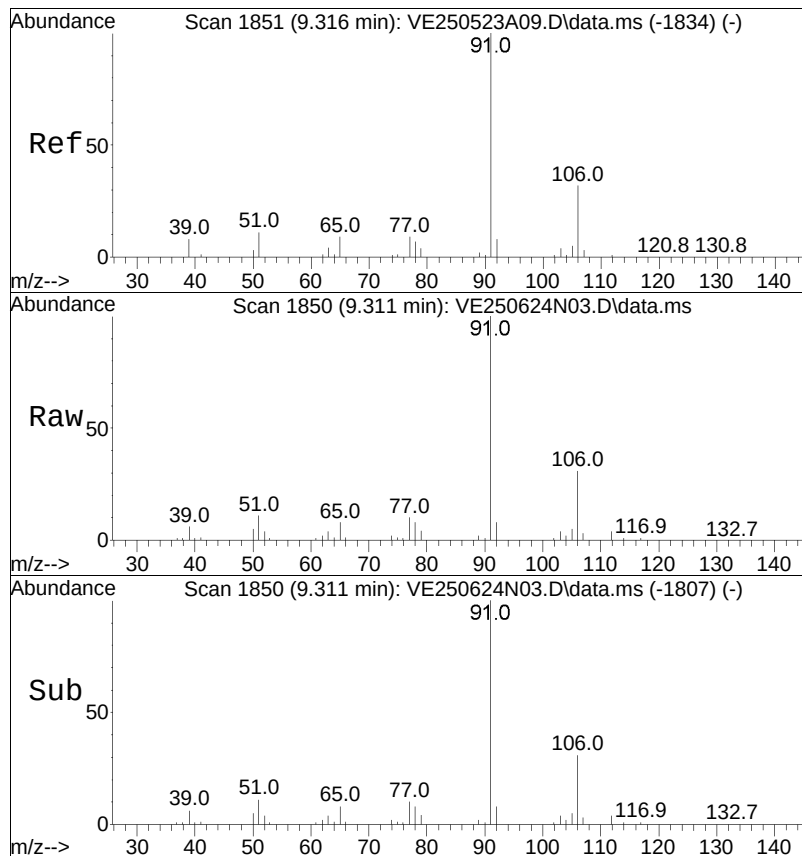




#78
 Chlorobenzene
 Concen: 9.78 ug/L
 RT: 9.275 min Scan# 1842
 Delta R.T. -0.000 min
 Lab File: VE250624N03.D
 Acq: 24 Jun 2025 11:13 pm

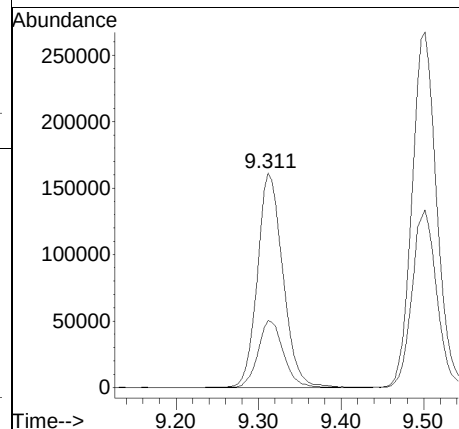
Tgt	Ion:112	Resp:	199980
Ion	Ratio	Lower	Upper
112	100		
77	69.9	61.7	92.5
114	32.4	25.5	38.3

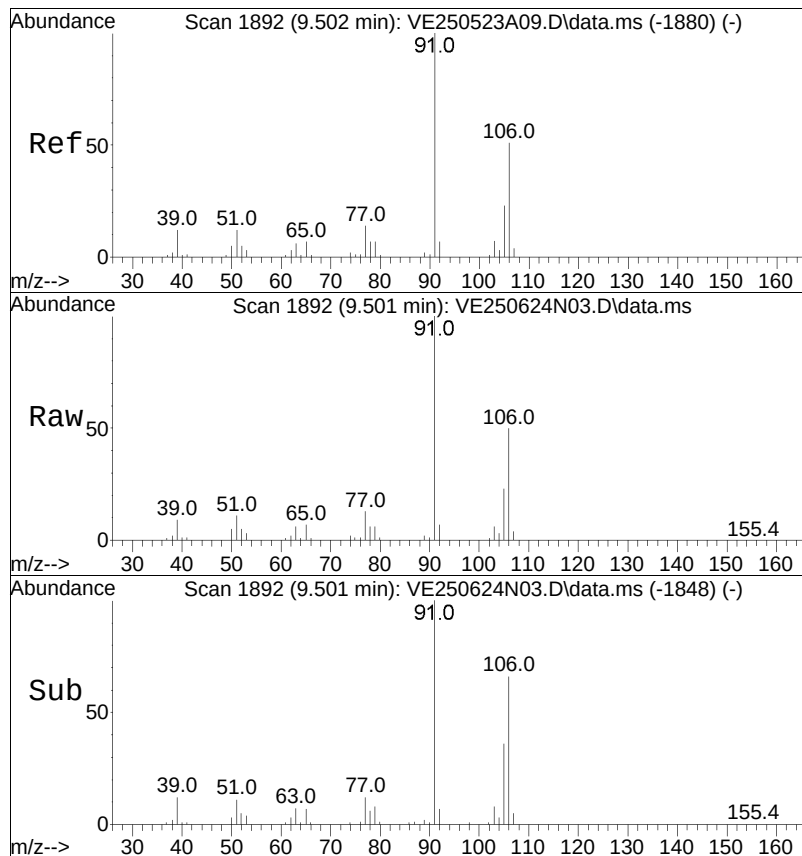




#79
 Ethylbenzene
 Concen: 9.67 ug/L
 RT: 9.311 min Scan# 1850
 Delta R.T. -0.005 min
 Lab File: VE250624N03.D
 Acq: 24 Jun 2025 11:13 pm

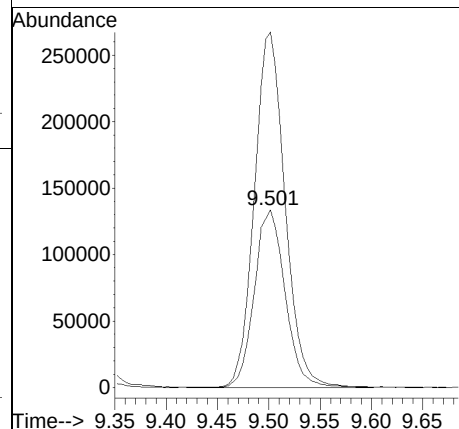
Tgt	Ion	Resp	Lower	Upper
91	100	345983		
106	30.9	24.7	37.1	

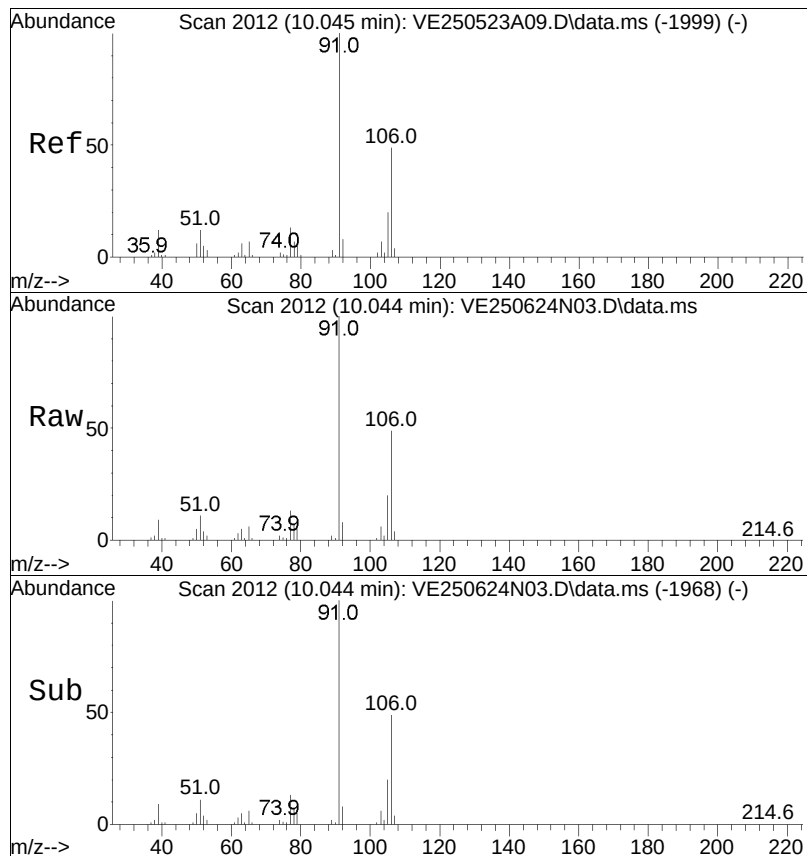




#81
 p/m Xylene
 Concen: 18.61 ug/L
 RT: 9.501 min Scan# 1892
 Delta R.T. -0.000 min
 Lab File: VE250624N03.D
 Acq: 24 Jun 2025 11:13 pm

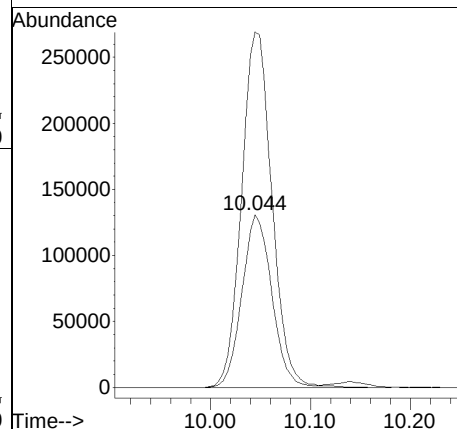
Tgt	Ion	Ratio	Lower	Upper
106	100			
91	199.6	163.2	244.8	

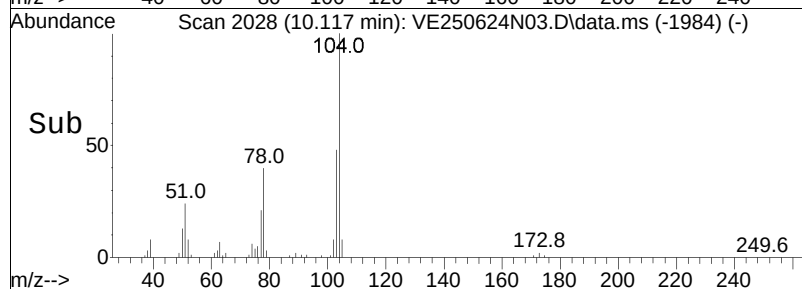
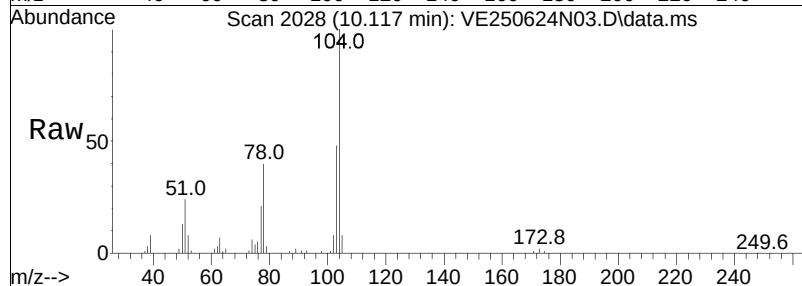
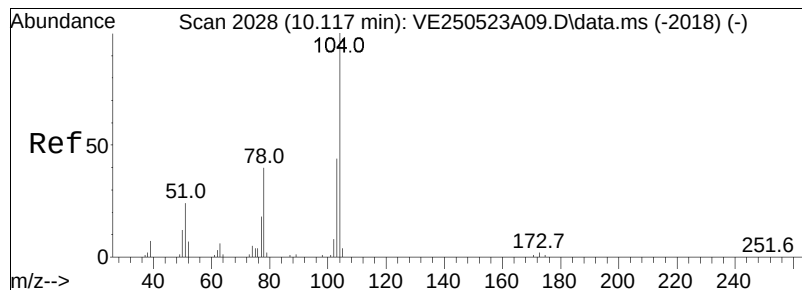




#82
 o Xylene
 Concen: 18.39 ug/L
 RT: 10.044 min Scan# 2012
 Delta R.T. -0.000 min
 Lab File: VE250624N03.D
 Acq: 24 Jun 2025 11:13 pm

Tgt Ion:106 Resp: 272256
 Ion Ratio Lower Upper
 106 100
 91 211.4 177.0 265.6





#83

Styrene

Concen: 18.41 ug/L

RT: 10.117 min Scan# 2028

Delta R.T. -0.000 min

Lab File: VE250624N03.D

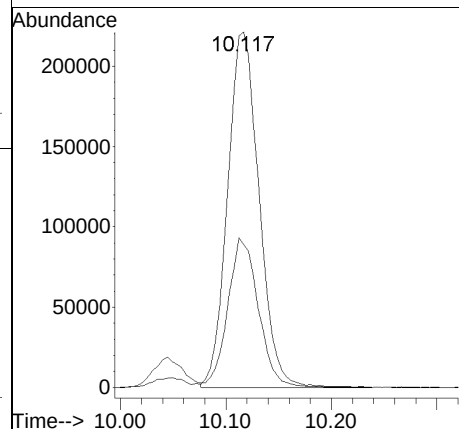
Acq: 24 Jun 2025 11:13 pm

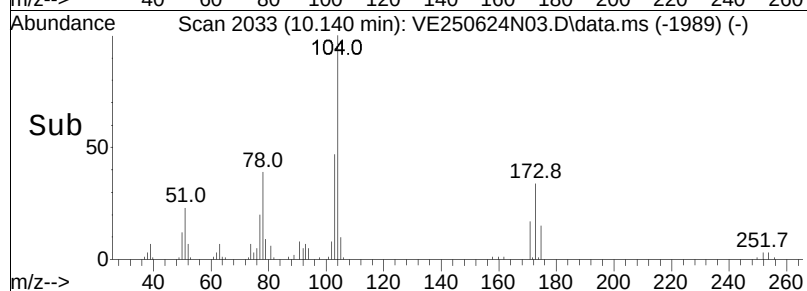
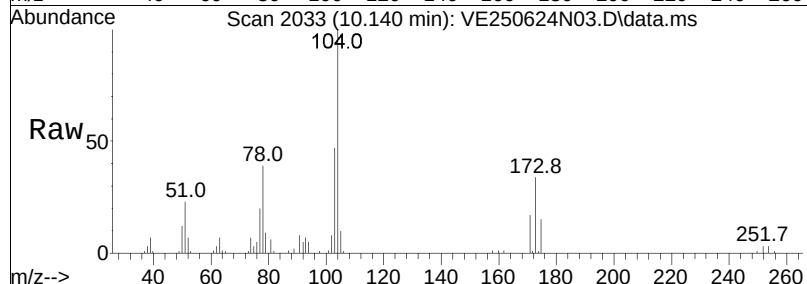
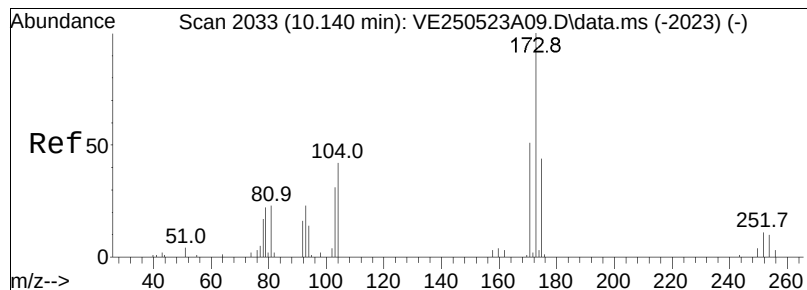
Tgt Ion:104 Resp: 458420

Ion Ratio Lower Upper

104 100

78 40.9 34.1 51.1





#85

Bromoform

Concen: 9.06 ug/L

RT: 10.140 min Scan# 2033

Delta R.T. -0.000 min

Lab File: VE250624N03.D

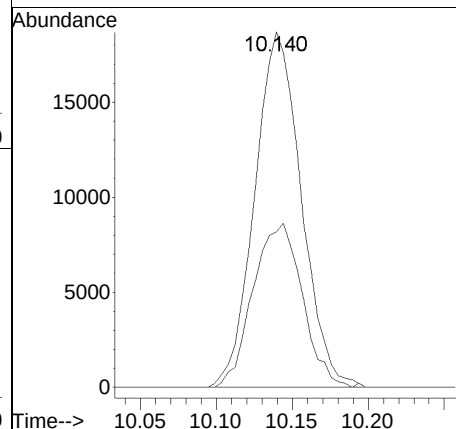
Acq: 24 Jun 2025 11:13 pm

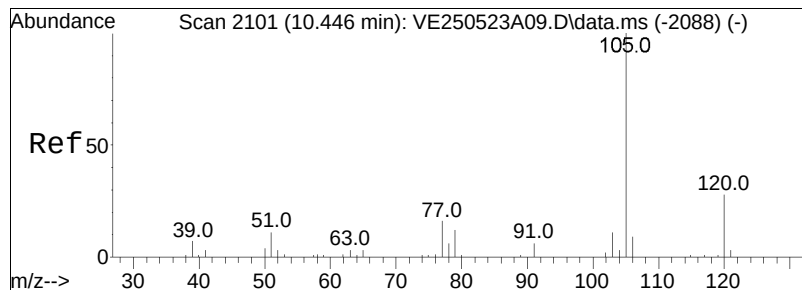
Tgt Ion:173 Resp: 39853

Ion Ratio Lower Upper

173 100

175 48.9 25.9 65.9





#87

Isopropylbenzene

Concen: 8.76 ug/L

RT: 10.446 min Scan# 2101

Delta R.T. -0.000 min

Lab File: VE250624N03.D

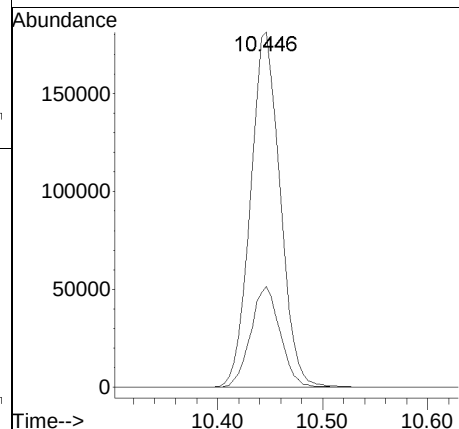
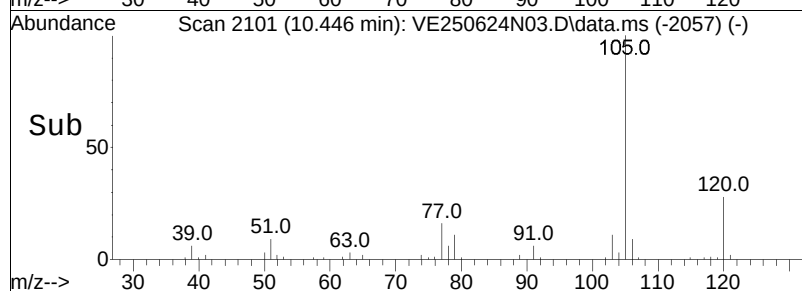
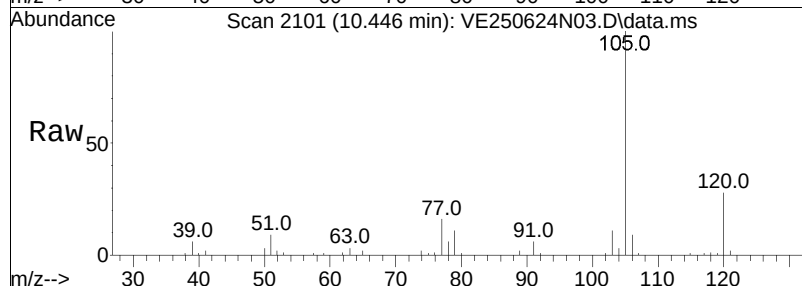
Acq: 24 Jun 2025 11:13 pm

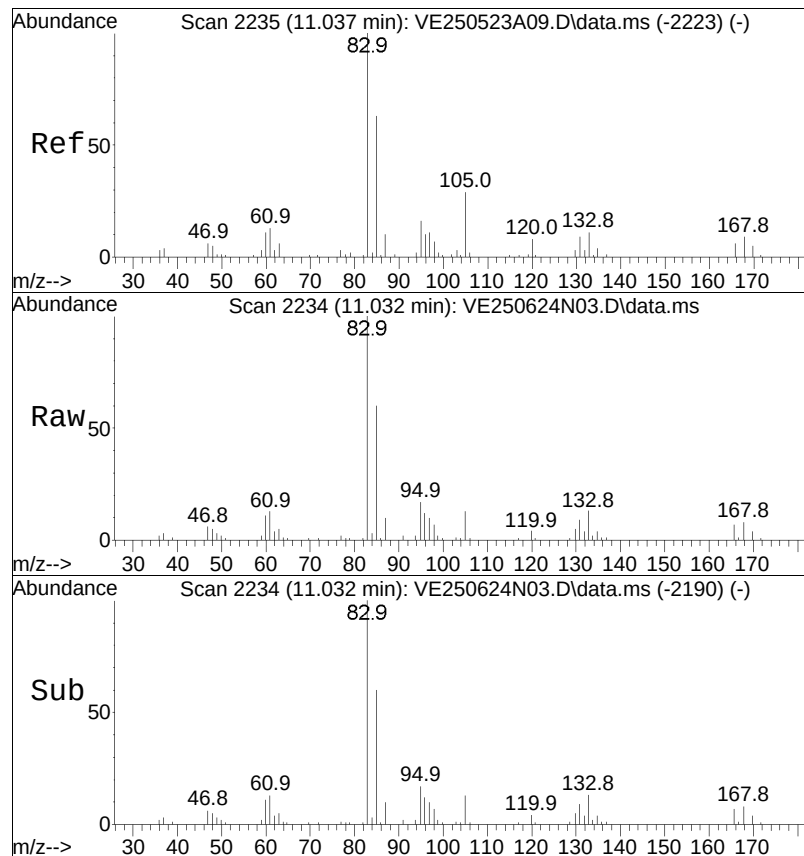
Tgt Ion:105 Resp: 357447

Ion Ratio Lower Upper

105 100

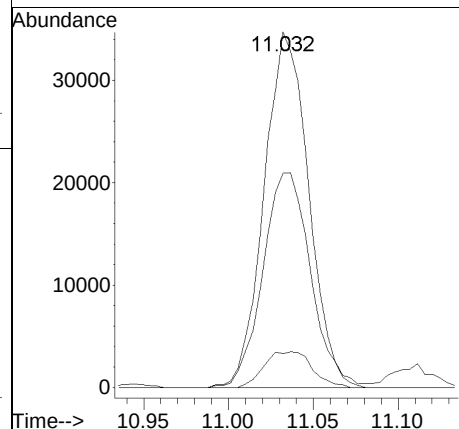
120 28.2 6.4 46.4

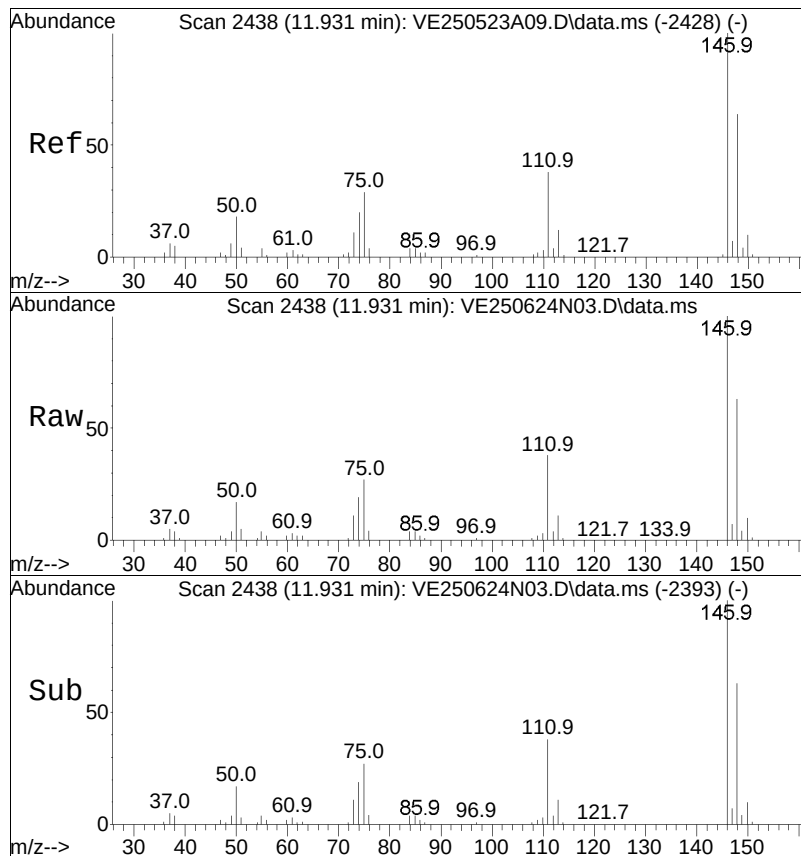




#92
 1,1,2,2-Tetrachloroethane
 Concen: 9.77 ug/L
 RT: 11.032 min Scan# 2234
 Delta R.T. -0.005 min
 Lab File: VE250624N03.D
 Acq: 24 Jun 2025 11:13 pm

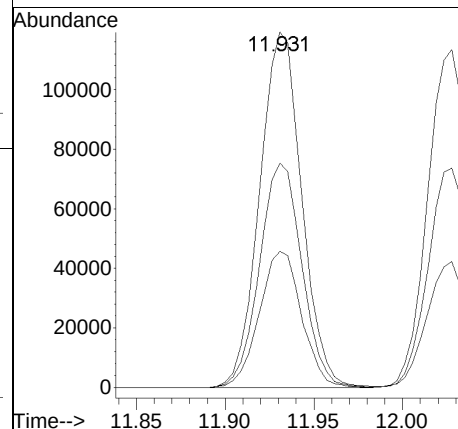
Tgt Ion:	83	Resp:	63193
Ion Ratio	Lower	Upper	
83	100		
131	10.9	0.0	30.3
85	65.1	46.4	86.4

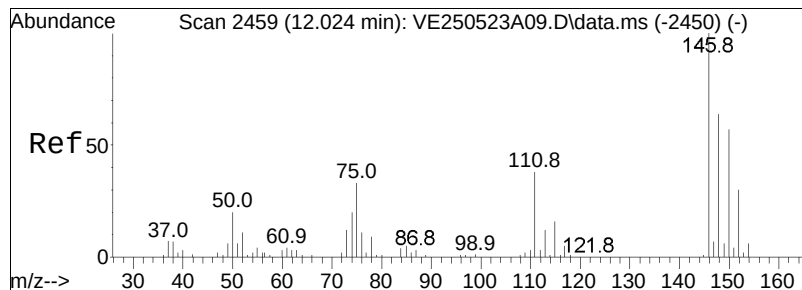




#105
 1,3-Dichlorobenzene
 Concen: 9.54 ug/L
 RT: 11.931 min Scan# 2438
 Delta R.T. -0.000 min
 Lab File: VE250624N03.D
 Acq: 24 Jun 2025 11:13 pm

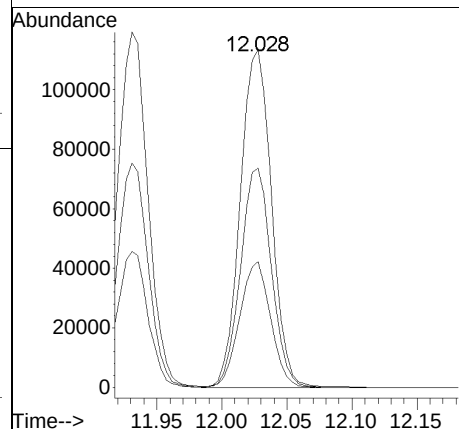
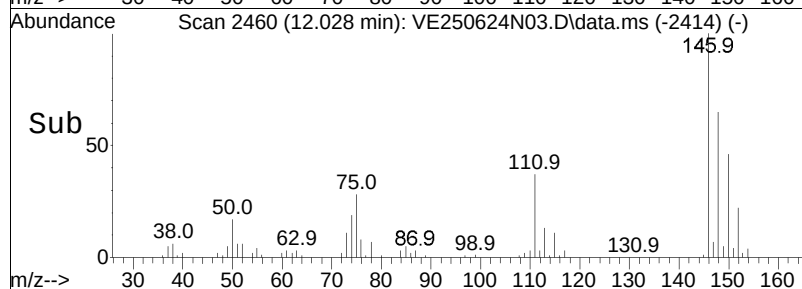
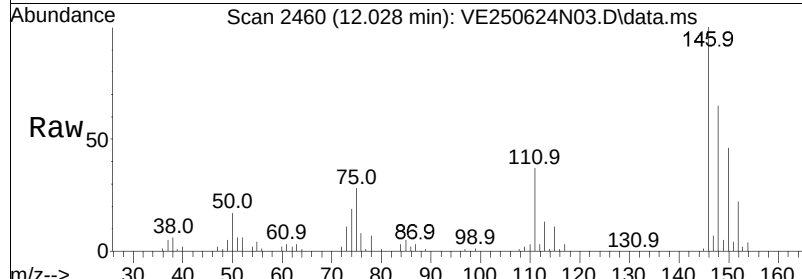
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.5	26.0	54.0
148	63.5	42.1	87.5

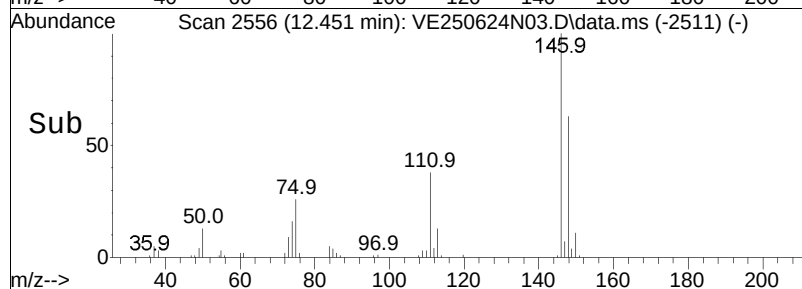
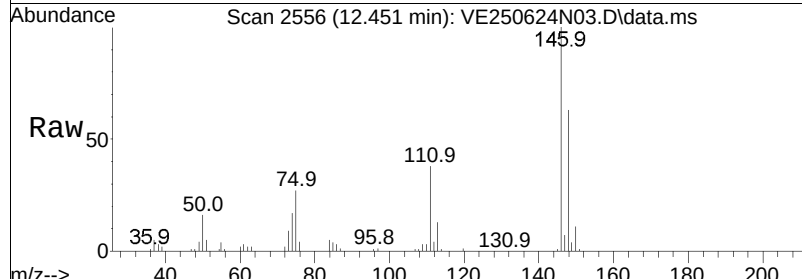
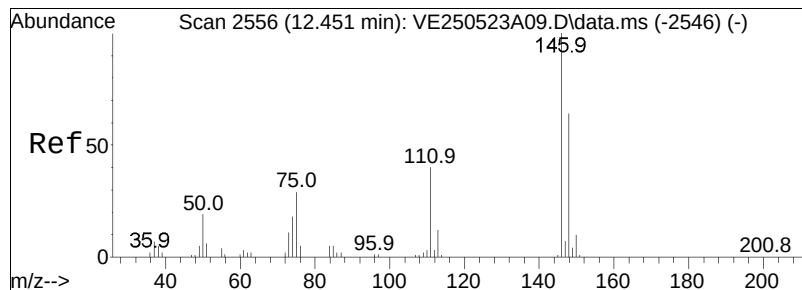




#106
 1,4-Dichlorobenzene
 Concen: 9.30 ug/L
 RT: 12.028 min Scan# 2460
 Delta R.T. 0.004 min
 Lab File: VE250624N03.D
 Acq: 24 Jun 2025 11:13 pm

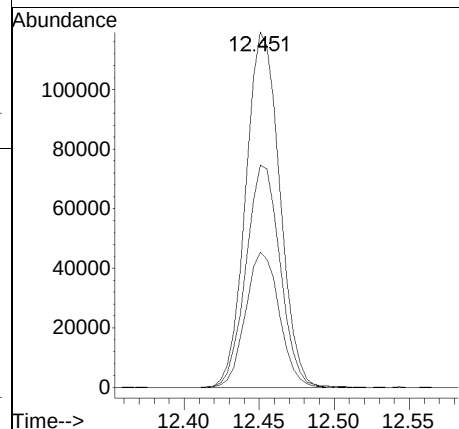
Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	30.0	45.0
148	64.2	51.2	76.8

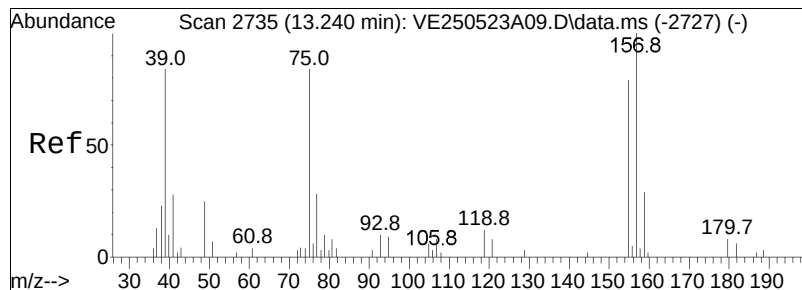




#109
 1,2-Dichlorobenzene
 Concen: 9.81 ug/L
 RT: 12.451 min Scan# 2556
 Delta R.T. -0.000 min
 Lab File: VE250624N03.D
 Acq: 24 Jun 2025 11:13 pm

Tgt Ion:	146	Resp:	188131
Ion Ratio	Lower	Upper	
146	100		
111	37.8	26.1	54.1
148	62.7	41.7	86.5





#111

1,2-Dibromo-3-chloropropane

Concen: 9.82 ug/L

RT: 13.239 min Scan# 2735

Delta R.T. -0.000 min

Lab File: VE250624N03.D

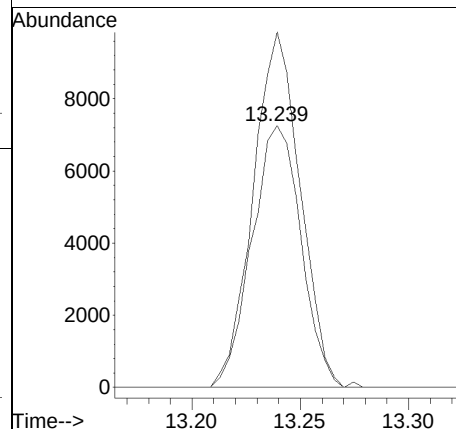
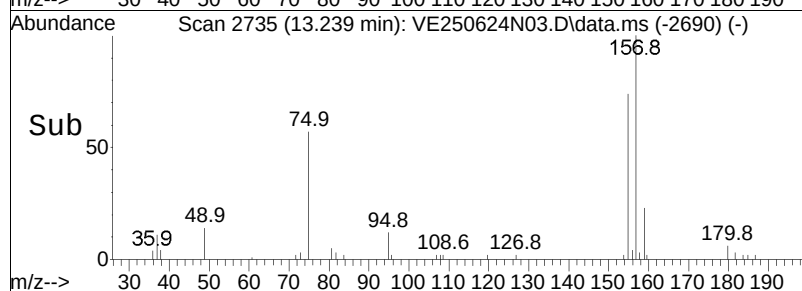
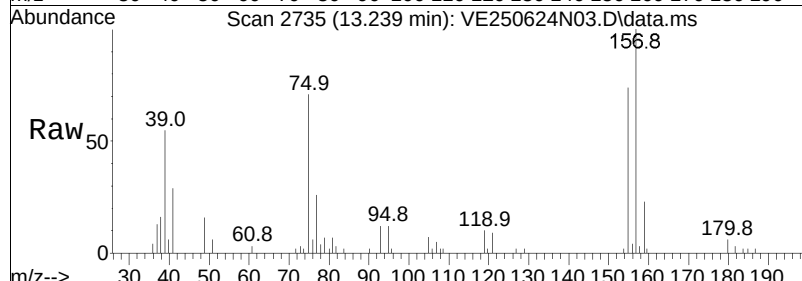
Acq: 24 Jun 2025 11:13 pm

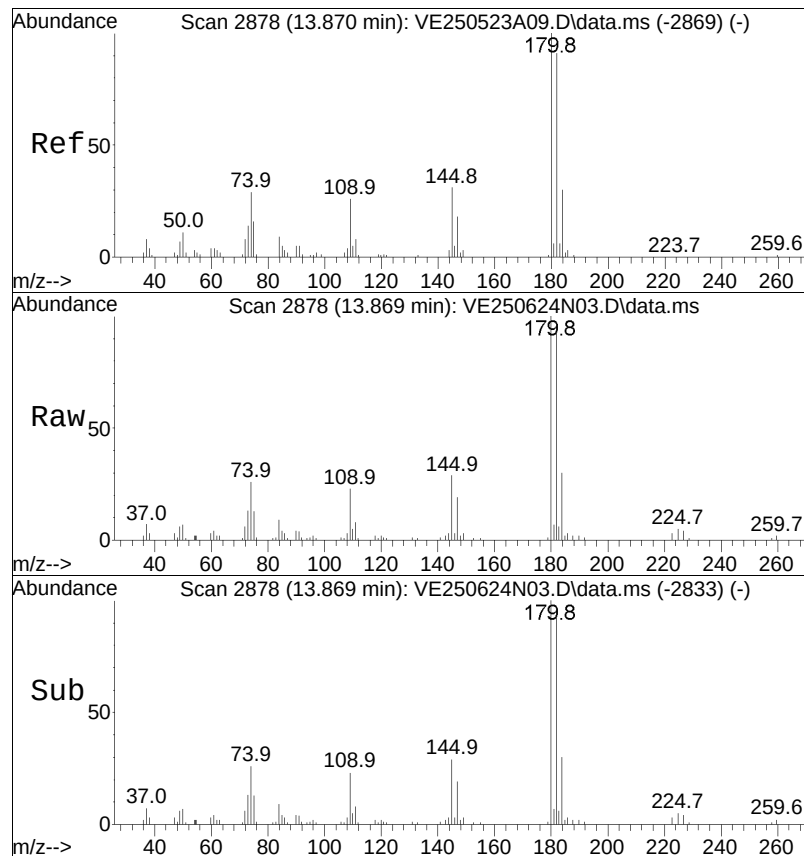
Tgt Ion:155 Resp: 11456

Ion Ratio Lower Upper

155 100

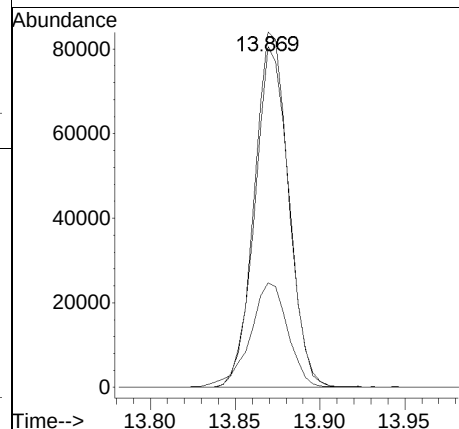
157 129.9 99.5 149.3

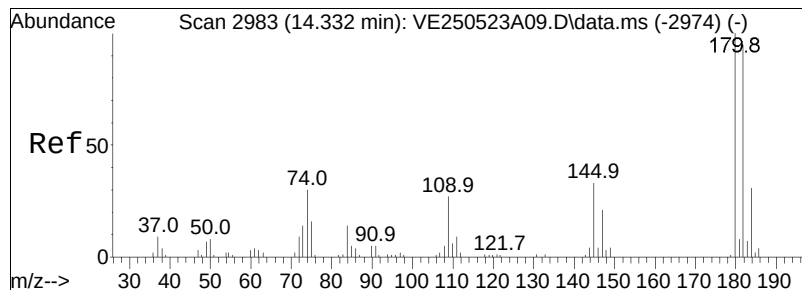




#114
 1,2,4-Trichlorobenzene
 Concen: 9.41 ug/L
 RT: 13.869 min Scan# 2878
 Delta R.T. -0.000 min
 Lab File: VE250624N03.D
 Acq: 24 Jun 2025 11:13 pm

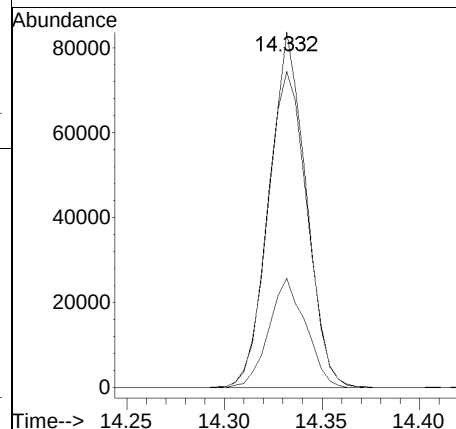
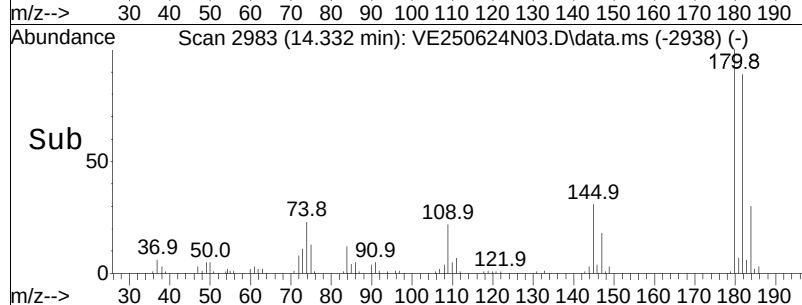
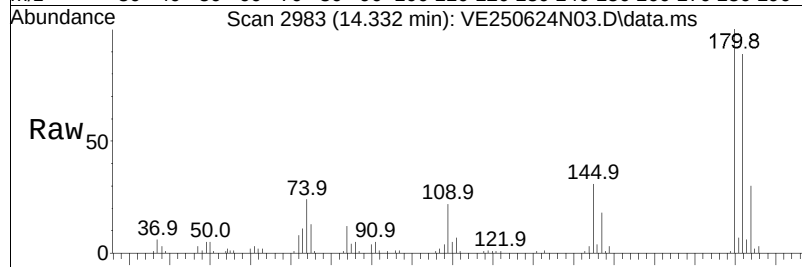
Tgt Ion:	180	Resp:	117929
Ion Ratio	Lower	Upper	
180	100		
182	95.5	75.3	112.9
145	32.6	26.9	40.3





#116
 1,2,3-Trichlorobenzene
 Concen: 9.76 ug/L
 RT: 14.332 min Scan# 2983
 Delta R.T. -0.000 min
 Lab File: VE250624N03.D
 Acq: 24 Jun 2025 11:13 pm

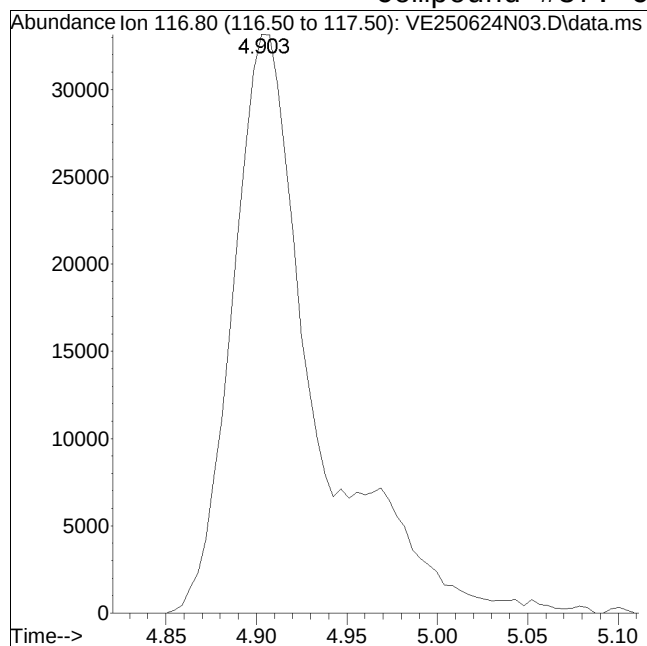
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.6	75.8	113.6
145	30.7	25.8	38.8



Manual Integration Report

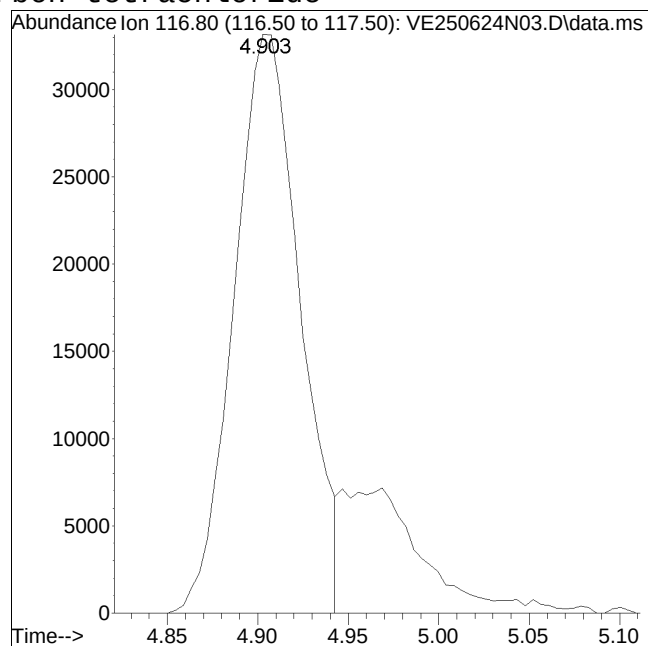
Data Path : K:\Elaine\2025\250624A\ QMethod : Elaine_250523A_8260.m
Data File : VE250624N03.D Operator : ELAINE:TMS
Date Inj'd : 6/24/2025 11:13 pm Instrument : Elaine
Sample : WG2084006-4,31,10,10 Quant Date : 6/25/2025 0:16 am

Compound #37: Carbon tetrachloride



Original Peak Response = 106713

M6 = Misassignment of peak valley by



Manual Peak Response = 84501 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250624A\
 Data File : VE250624N02.D
 Acq On : 25 Jun 2025 6:10 am
 Operator : ELAINE:AJK
 Sample : WG2084006-6,31,2.5,10,,A
 Misc : WG2084006,ICAL22314
 ALS Vial : 49 Sample Multiplier: 1

Quant Time: Jun 26 17:06:05 2025
 Quant Method : K:\Elaine\2025\250624A\Elaine_250523A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri May 23 20:15:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250624A\VE250624N02.D
 Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.746	96	259040	10.000	ug/L	0.00
Standard Area 1 = 281780			Recovery =	91.93%		
63) Chlorobenzene-d5	9.253	117	213667	10.000	ug/L	0.00
Standard Area 1 = 232207			Recovery =	92.02%		
84) 1,4-Dichlorobenzene-d4	12.010	152	133201	10.000	ug/L	0.00
Standard Area 1 = 145386			Recovery =	91.62%		
System Monitoring Compounds						
39) Dibromofluoromethane	4.947	113	79568	11.032	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	110.32%		
47) 1,2-Dichloroethane-d4	5.465	65	79063	11.071	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	110.71%		
64) Toluene-d8	7.420	98	267792	9.945	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	99.45%		
88) 4-Bromofluorobenzene	10.777	95	88380	8.231	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	82.31%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.513	85	77785	9.314	ug/L	99
3) Chloromethane	1.693	50	301051	34.038	ug/L	99
4) Vinyl chloride	1.764	62	845	0.111	ug/L	90
5) Bromomethane	2.049	94	61690	14.563	ug/L	97
6) Chloroethane	2.154	64	69311	14.030	ug/L	97
7) Trichlorofluoromethane	2.291	101	128057	12.918	ug/L	99
8) Ethyl ether	2.572	74	33303	10.678	ug/L	89
10) 1,1-Dichloroethene	2.756	96	19010	3.249	ug/L	83
11) Carbon disulfide	2.782	76	225508	12.217	ug/L	100
12) Freon-113	2.787	101	73893	12.809	ug/L	98
15) Methylene chloride	3.292	84	75024	11.692	ug/L	88
17) Acetone	3.327	43	129375	90.236	ug/L	92
18) trans-1,2-Dichloroethene	3.437	96	51602	8.632	ug/L	92
19) Methyl acetate	3.441	43	24599M4	7.157	ug/L	
21) Methyl tert-butyl ether	3.533	73	106005	7.770	ug/L #	98
22) tert-Butyl alcohol	3.621	59	15735	59.464	ug/L #	100
24) Diisopropyl ether	3.880	45	144239	6.748	ug/L	96
25) 1,1-Dichloroethane	4.003	63	133115	11.281	ug/L	99
26) Halothane	4.056	117	49287	11.114	ug/L	100
27) Acrylonitrile	4.042	53	14841	8.524	ug/L	97
28) Ethyl tert-butyl ether	4.222	59	115108	6.896	ug/L #	61

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250624A\
 Data File : VE250624N02.D
 Acq On : 25 Jun 2025 6:10 am
 Operator : ELAINE:AJK
 Sample : WG2084006-6,31,2.5,10,,A
 Misc : WG2084006,ICAL22314
 ALS Vial : 49 Sample Multiplier: 1

Quant Time: Jun 26 17:06:05 2025
 Quant Method : K:\Elaine\2025\250624A\Elaine_250523A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri May 23 20:15:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250624A\VE250624N02.D
 Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Vinyl acetate	4.218	43	15688	1.395	ug/L	# 80
30) cis-1,2-Dichloroethene	4.512	96	75481	10.902	ug/L	86
31) 2,2-Dichloropropane	4.609	77	61740	6.741	ug/L	90
33) Bromochloromethane	4.697	128	36002	10.908	ug/L	82
34) Cyclohexane	4.705	56	110294	8.818	ug/L	91
35) Chloroform	4.776	83	122246	11.098	ug/L	98
36) Ethyl acetate	4.885	43	31804	6.985	ug/L	96
37) Carbon tetrachloride	4.903	117	84371M6	10.881	ug/L	
38) Tetrahydrofuran	4.912	42	13305	8.215	ug/L	96
40) 1,1,1-Trichloroethane	4.969	97	95507	10.654	ug/L	97
42) 2-Butanone	5.061	43	21057	10.182	ug/L	# 73
43) 1,1-Dichloropropene	5.105	75	1552	0.226	ug/L	# 44
45) Benzene	5.329	78	205705	8.740	ug/L	97
46) tert-Amyl methyl ether	5.443	73	97494	6.903	ug/L	97
48) 1,2-Dichloroethane	5.531	62	70650	10.051	ug/L	97
51) Methyl cyclohexane	5.913	83	88242	8.307	ug/L	93
52) Trichloroethene	5.922	95	61196	10.628	ug/L	95
54) Dibromomethane	6.357	93	33958	10.127	ug/L	95
55) 1,2-Dichloropropane	6.452	63	57118	9.312	ug/L	99
58) Bromodichloromethane	6.533	83	75048	9.451	ug/L	97
61) 1,4-Dioxane	6.737	88	20073	686.650	ug/L	97
62) cis-1,3-Dichloropropene	7.216	75	33966	3.842	ug/L	96
65) Toluene	7.479	92	6907	0.443	ug/L	88
66) 4-Methyl-2-pentanone	7.904	58	10518	6.795	ug/L	99
67) Tetrachloroethene	7.922	166	69029	10.598	ug/L	97
69) trans-1,3-Dichloropropene	7.959	75	28352	3.747	ug/L	98
71) Ethyl methacrylate	0.000		0	N.D.		
72) 1,1,2-Trichloroethane	8.144	83	33098	8.815	ug/L	96
73) Chlorodibromomethane	8.357	129	51633	8.813	ug/L	99
74) 1,3-Dichloropropane	8.461	76	69623	8.788	ug/L	95
75) 1,2-Dibromoethane	8.624	107	39599	8.779	ug/L	98
77) 2-Hexanone	8.909	43	19856	5.664	ug/L	98
78) Chlorobenzene	9.275	112	177835	9.755	ug/L	# 83
79) Ethylbenzene	9.312	91	20515	0.643	ug/L	94
80) 1,1,1,2-Tetrachloroethane	9.357	131	54085	9.010	ug/L	97
81) p/m Xylene	0.000		0	N.D.		
82) o Xylene	0.000		0	N.D.		
83) Styrene	0.000		0	N.D.		
85) Bromoform	10.140	173	33055	8.354	ug/L	92
87) Isopropylbenzene	10.442	105	26244	0.715	ug/L	98

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250624A\
 Data File : VE250624N02.D
 Acq On : 25 Jun 2025 6:10 am
 Operator : ELAINE:AJK
 Sample : WG2084006-6,31,2.5,10,,A
 Misc : WG2084006,ICAL22314
 ALS Vial : 49 Sample Multiplier: 1

Quant Time: Jun 26 17:06:05 2025
 Quant Method : K:\Elaine\2025\250624A\Elaine_250523A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri May 23 20:15:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250624A\VE250624N02.D
 Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
89)	Bromobenzene	10.887	156	63021	7.512	ug/L	100
90)	n-Propylbenzene	10.940	91	26287	0.608	ug/L	99
91)	1,4-Dichlorobutane	10.953	55	70683	6.968	ug/L	99
92)	1,1,2,2-Tetrachloroethane	11.032	83	51140	8.784	ug/L	97
93)	4-Ethyltoluene	0.000		0	N.D.	d	
94)	2-Chlorotoluene	11.107	91	197676	7.701	ug/L	99
95)	1,3,5-Trimethylbenzene	0.000		0	N.D.		
96)	1,2,3-Trichloropropane	11.169	75	38933	7.697	ug/L	92
97)	trans-1,4-Dichloro-2-b...	0.000		0	N.D.	d	
98)	4-Chlorotoluene	11.297	91	146392	5.488	ug/L	95
99)	tert-Butylbenzene	11.517	119	46579	1.657	ug/L	94
102)	1,2,4-Trimethylbenzene	0.000		0	N.D.	d	
103)	sec-Butylbenzene	11.711	105	36250	0.898	ug/L	99
104)	p-Isopropyltoluene	0.000		0	N.D.	d	
105)	1,3-Dichlorobenzene	11.931	146	164686	8.878	ug/L	98
106)	1,4-Dichlorobenzene	12.028	146	163135	8.912	ug/L	99
107)	p-Diethylbenzene	0.000		0	N.D.	d	
108)	n-Butylbenzene	12.310	91	13792	0.466	ug/L	96
109)	1,2-Dichlorobenzene	12.451	146	154290	8.941	ug/L	99
110)	1,2,4,5-Tetramethylben...	0.000		0	N.D.	d	
111)	1,2-Dibromo-3-chloropr...	13.235	155	9224	8.782	ug/L	91
112)	1,3,5-Trichlorobenzene	13.270	180	124595	9.917	ug/L	98
113)	Hexachlorobutadiene	13.852	225	41109	11.561	ug/L	96
114)	1,2,4-Trichlorobenzene	13.874	180	103586	9.181	ug/L	99
115)	Naphthalene	0.000		0	N.D.	d	
116)	1,2,3-Trichlorobenzene	14.332	180	95788	9.470	ug/L	98

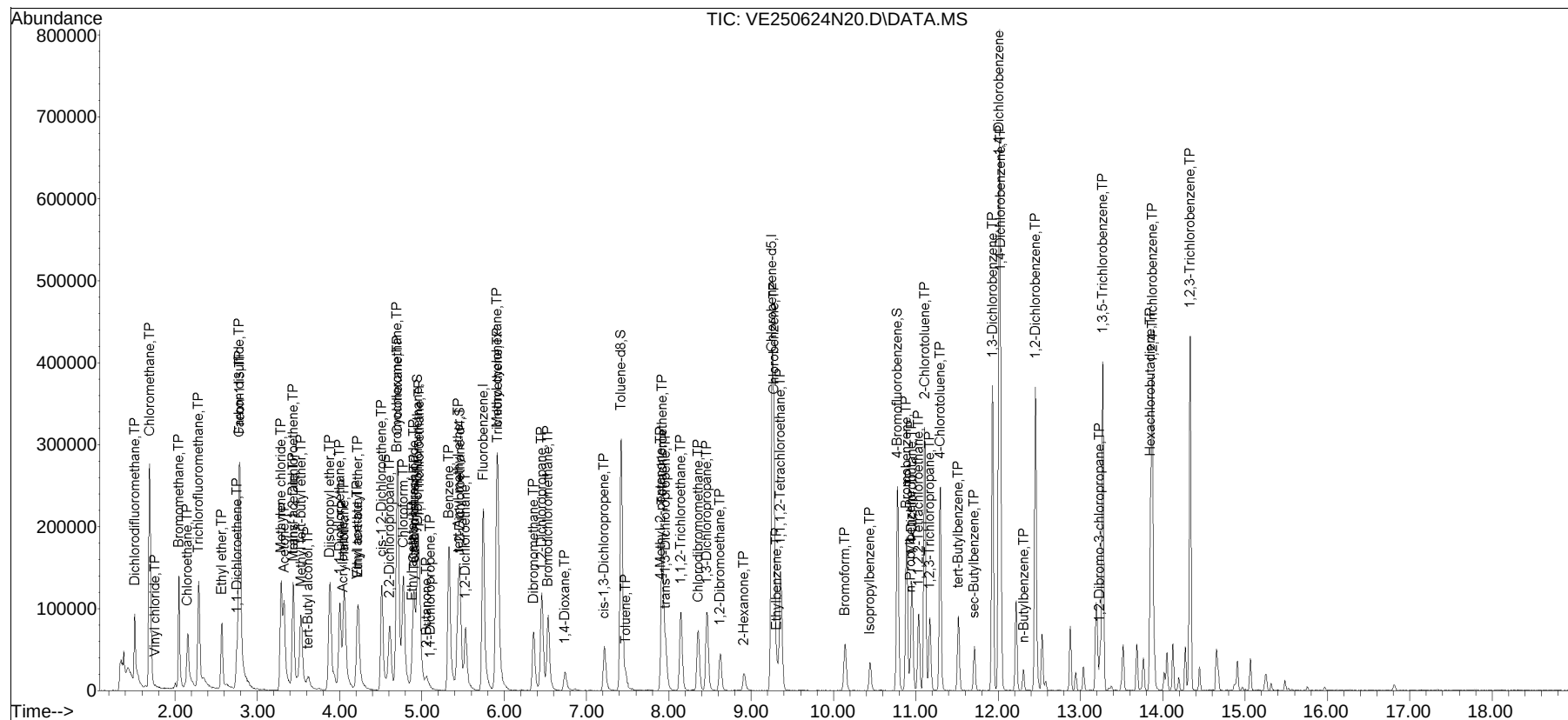
(#) = qualifier out of range (m) = manual integration (+) = signals summed

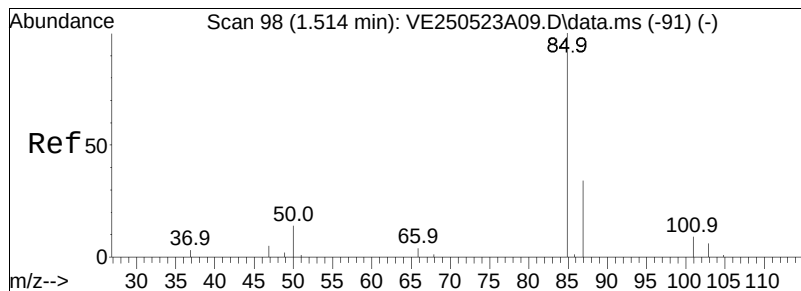
Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250624A\
 Data File : VE250624N20.D
 Acq On : 25 Jun 2025 6:10 am
 Operator : ELAINE:AJK
 Sample : WG2084006-6,31,2.5,10,,A
 Misc : WG2084006,ICAL22314
 ALS Vial : 49 Sample Multiplier: 1

Quant Time: Jun 26 17:06:05 2025
 Quant Method : K:\Elaine\2025\250624A\Elaine_250523A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri May 23 20:15:15 2025
 Response via : Initial Calibration

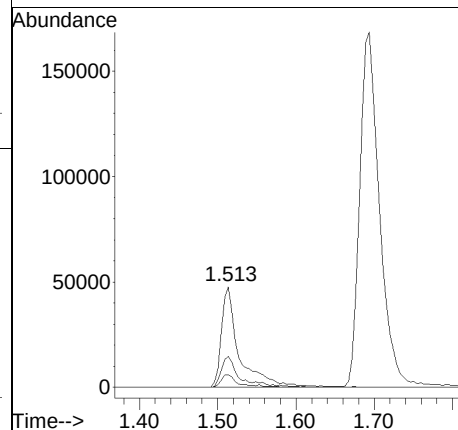
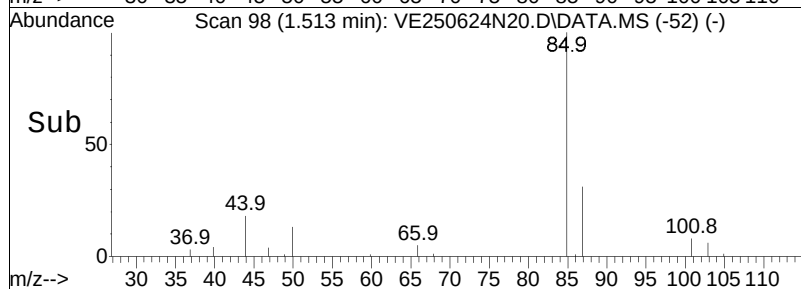
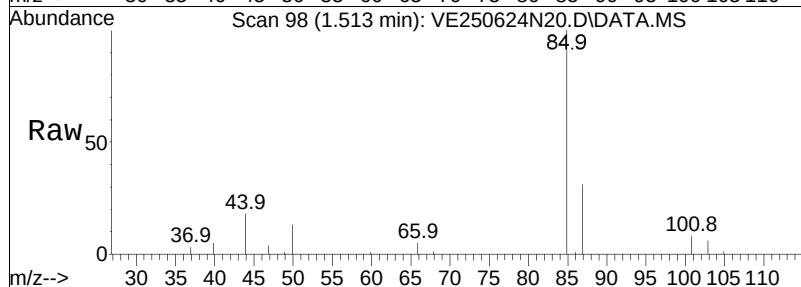
Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve

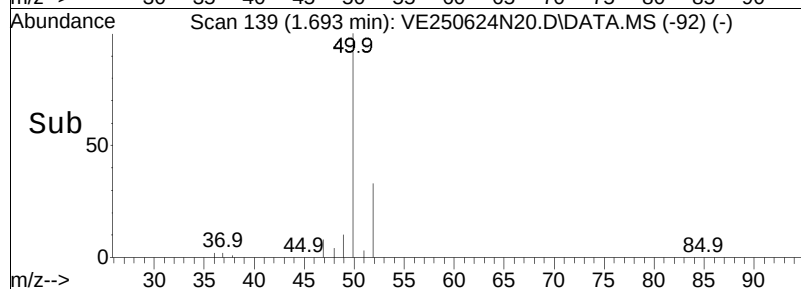
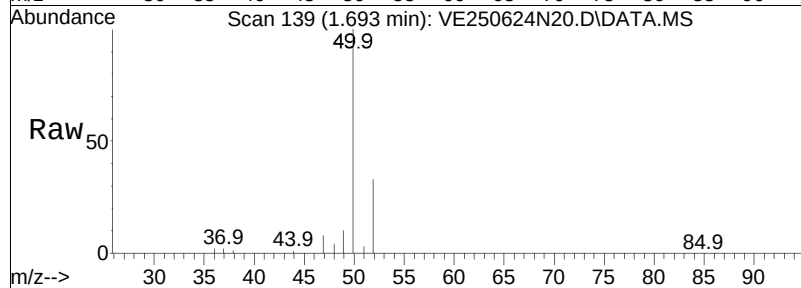
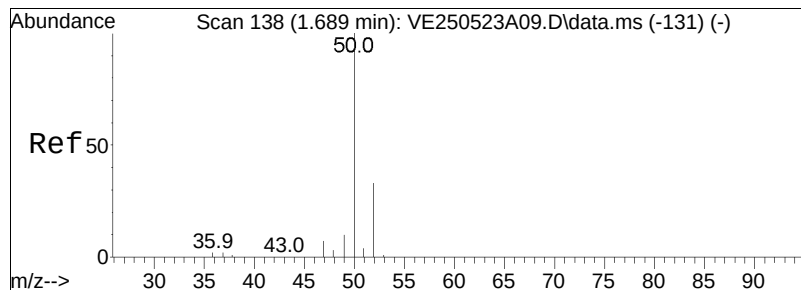




#2
 Dichlorodifluoromethane
 Concen: 9.31 ug/L
 RT: 1.513 min Scan# 98
 Delta R.T. -0.000 min
 Lab File: VE250624N20.D
 Acq: 25 Jun 2025 6:10 am

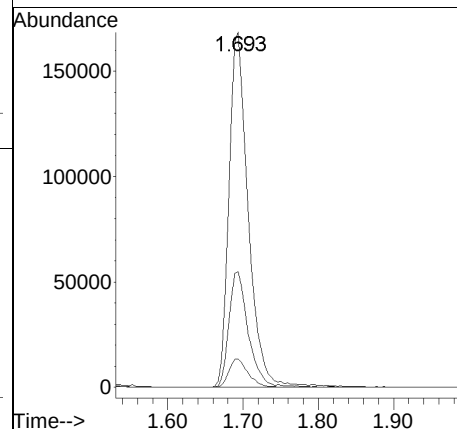
Tgt Ion	85	Resp	77785
Ion Ratio	Lower	Upper	
85	100		
87	31.6	21.2	44.0
50	12.8	8.5	17.7

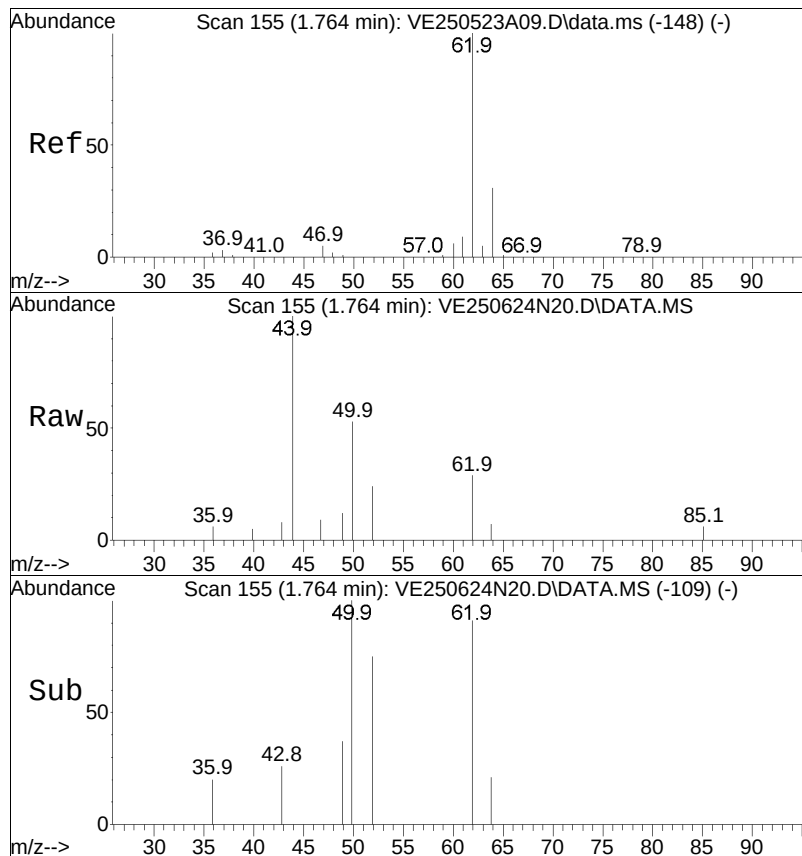




#3
 Chloromethane
 Concen: 34.04 ug/L
 RT: 1.693 min Scan# 139
 Delta R.T. 0.004 min
 Lab File: VE250624N20.D
 Acq: 25 Jun 2025 6:10 am

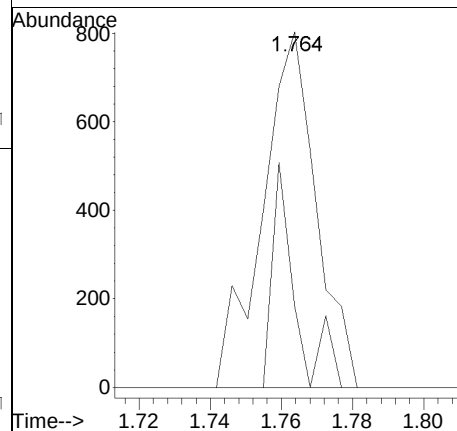
Tgt	Ion	Ratio	Lower	Upper
50	100			
52	32.8	12.2	52.2	
47	8.0	0.0	27.4	

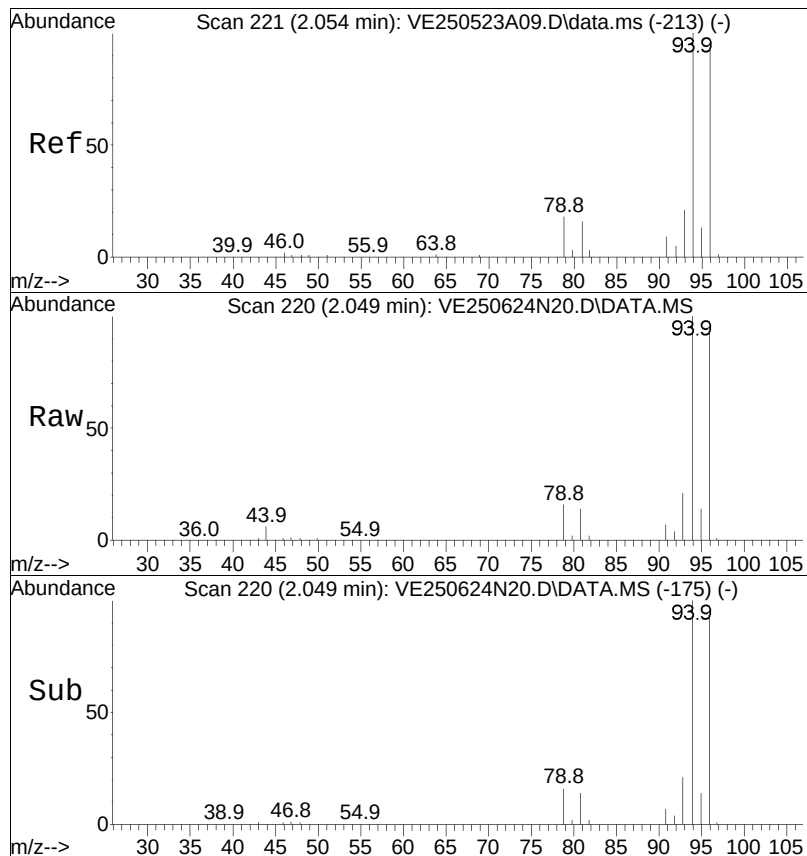




#4
 Vinyl chloride
 Concen: 0.11 ug/L
 RT: 1.764 min Scan# 155
 Delta R.T. -0.000 min
 Lab File: VE250624N20.D
 Acq: 25 Jun 2025 6:10 am

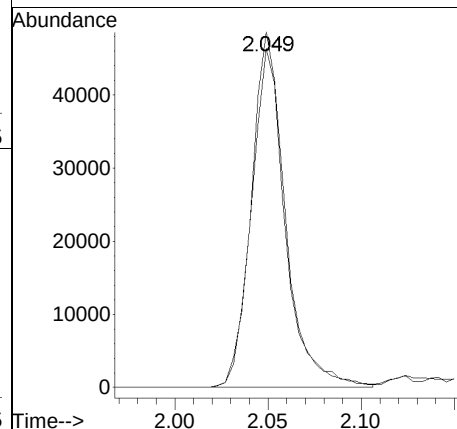
Tgt Ion	Ratio	Lower	Upper
62	100		
64	26.6	12.2	52.2

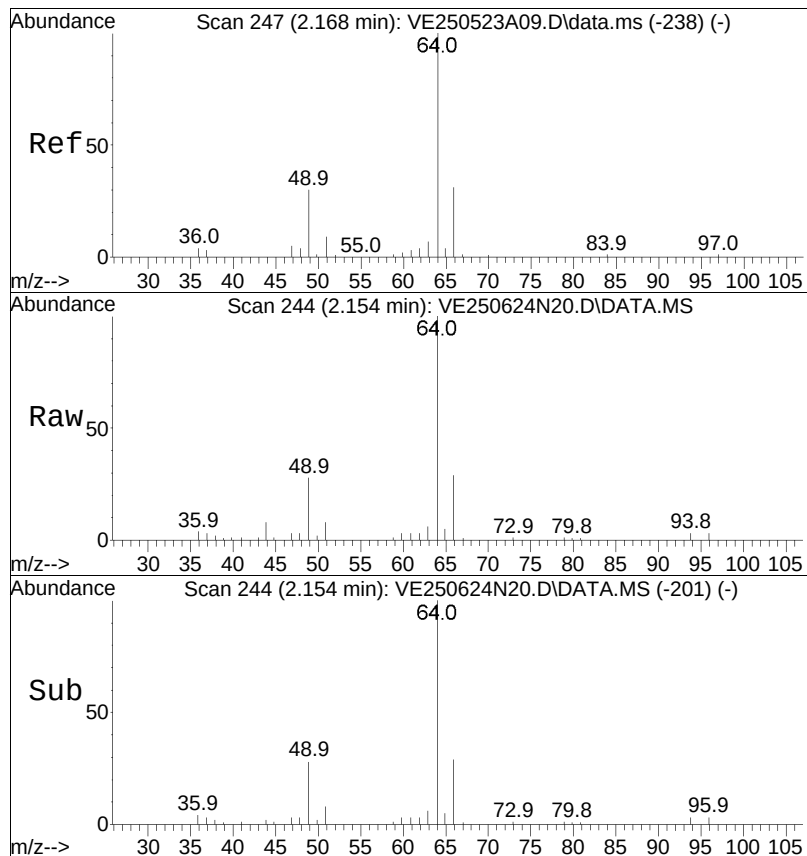




#5
 Bromomethane
 Concen: 14.56 ug/L
 RT: 2.049 min Scan# 220
 Delta R.T. -0.004 min
 Lab File: VE250624N20.D
 Acq: 25 Jun 2025 6:10 am

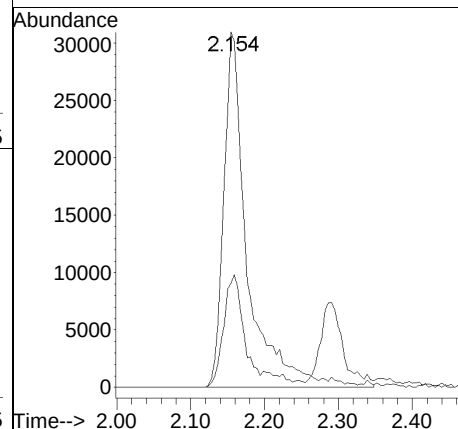
Tgt Ion	Ratio	Lower	Upper
94	100		
96	95.7	72.7	112.7

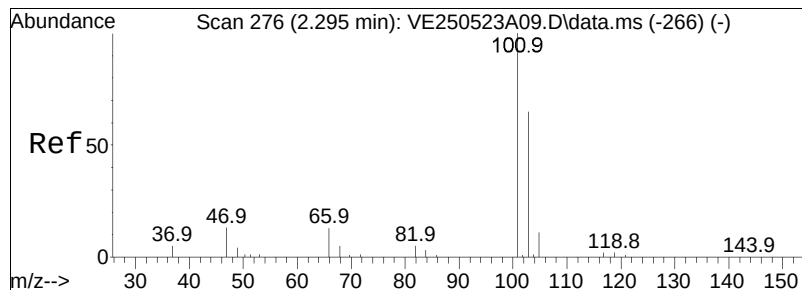




#6
 Chloroethane
 Concen: 14.03 ug/L
 RT: 2.154 min Scan# 244
 Delta R.T. -0.013 min
 Lab File: VE250624N20.D
 Acq: 25 Jun 2025 6:10 am

Tgt Ion	Ratio	Lower	Upper
64	100		
66	31.5	13.1	53.1





#7

Trichlorofluoromethane

Concen: 12.92 ug/L

RT: 2.291 min Scan# 275

Delta R.T. -0.004 min

Lab File: VE250624N20.D

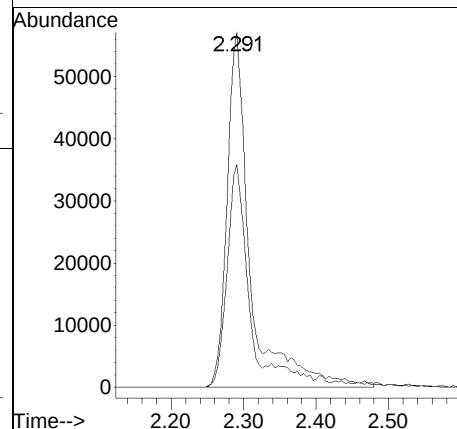
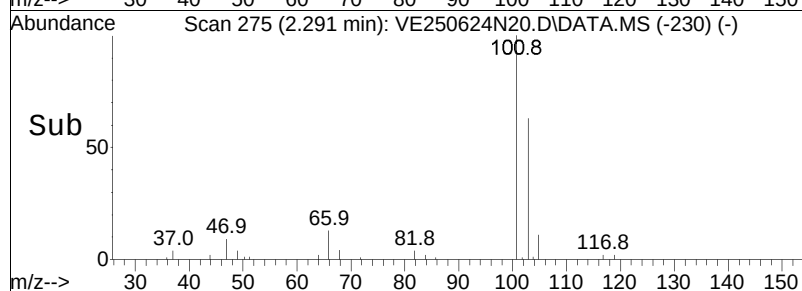
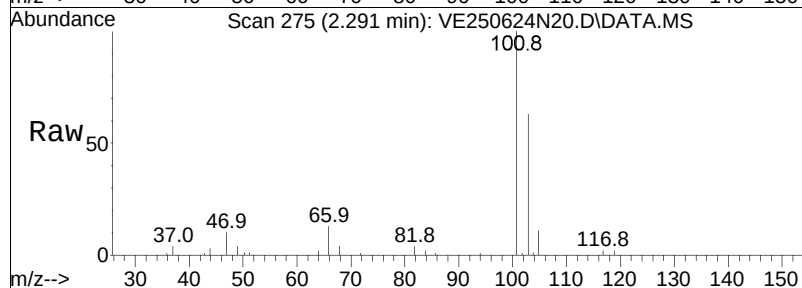
Acq: 25 Jun 2025 6:10 am

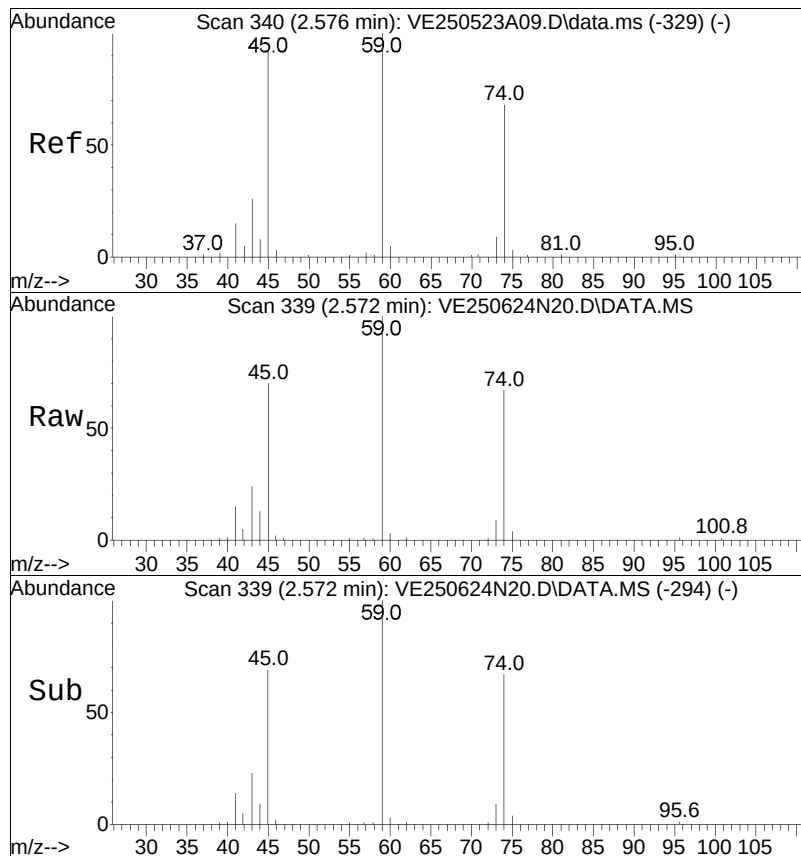
Tgt Ion:101 Resp: 128057

Ion Ratio Lower Upper

101 100

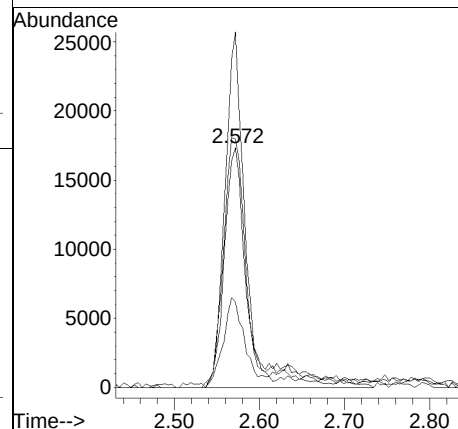
103 63.9 52.0 78.0

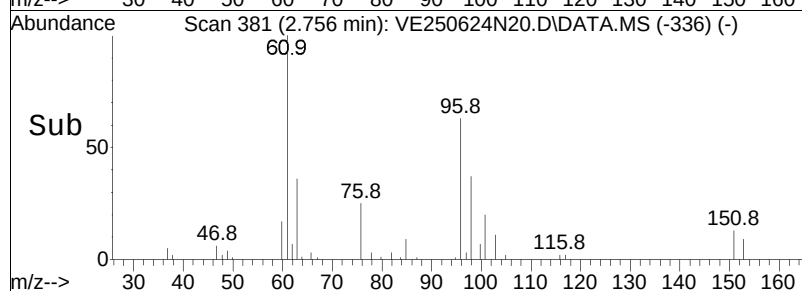
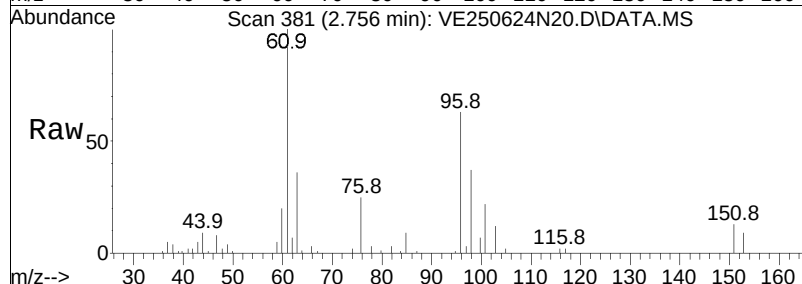
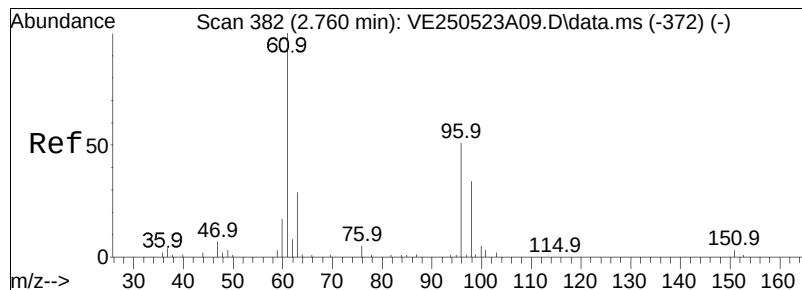




#8
 Ethyl ether
 Concen: 10.68 ug/L
 RT: 2.572 min Scan# 339
 Delta R.T. -0.005 min
 Lab File: VE250624N20.D
 Acq: 25 Jun 2025 6:10 am

Tgt Ion:	74	Resp:	33303
Ion	Ratio	Lower	Upper
74	100		
59	143.2	105.2	218.4
45	117.6	84.1	174.7
43	47.8	32.2	67.0





#10

1,1-Dichloroethene

Concen: 3.25 ug/L

RT: 2.756 min Scan# 381

Delta R.T. -0.004 min

Lab File: VE250624N20.D

Acq: 25 Jun 2025 6:10 am

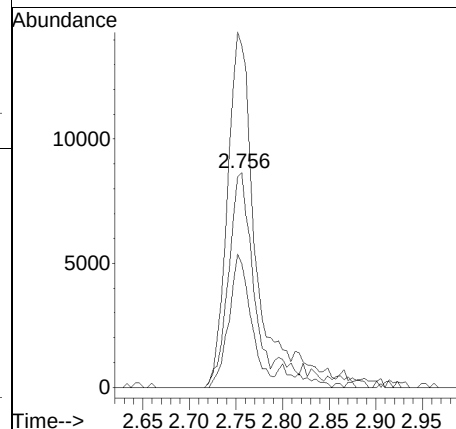
Tgt Ion: 96 Resp: 19010

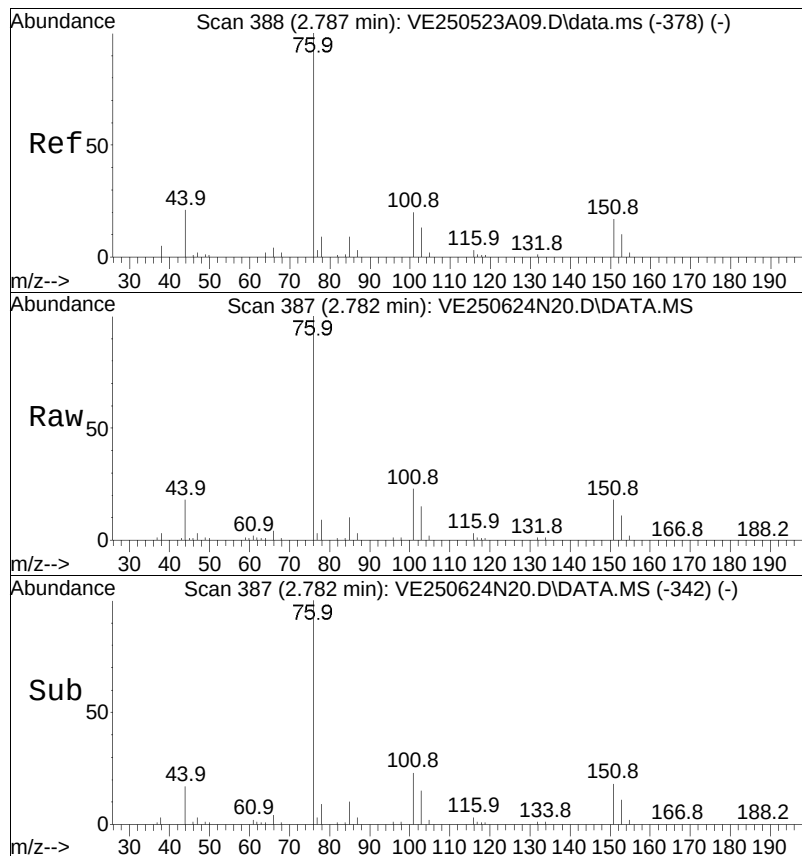
Ion Ratio Lower Upper

96 100

61 169.0 158.3 237.5

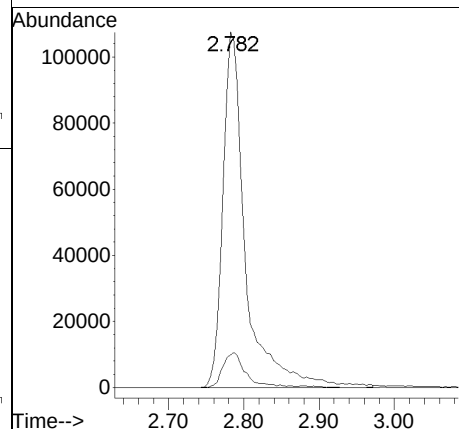
63 55.0 50.2 75.2

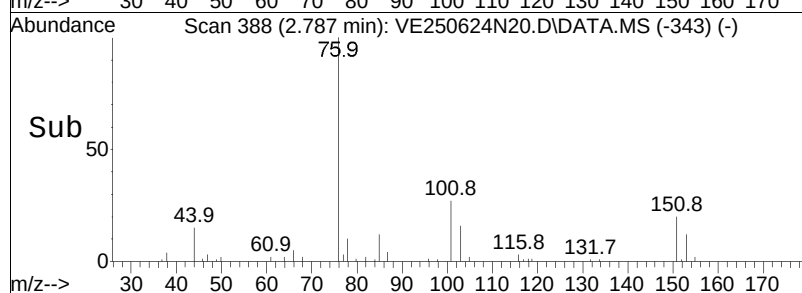
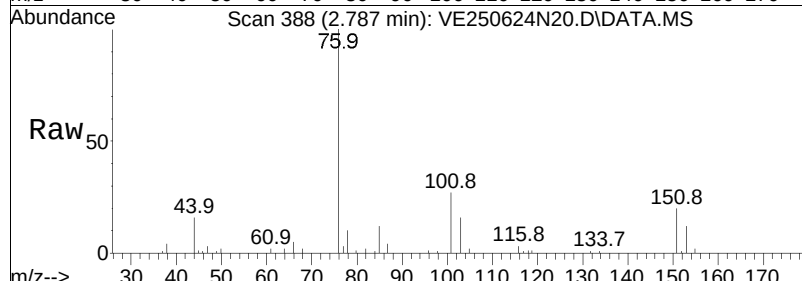
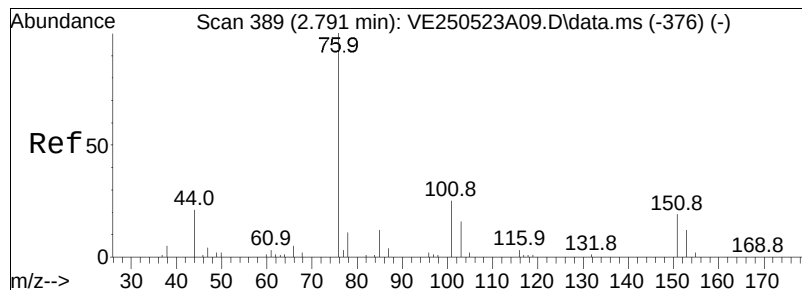




#11
Carbon disulfide
Concen: 12.22 ug/L
RT: 2.782 min Scan# 387
Delta R.T. -0.004 min
Lab File: VE250624N20.D
Acq: 25 Jun 2025 6:10 am

Tgt Ion	Ratio	Lower	Upper
76	100		
78	10.2	6.6	13.8





#12

Freon-113

Concen: 12.81 ug/L

RT: 2.787 min Scan# 388

Delta R.T. -0.004 min

Lab File: VE250624N20.D

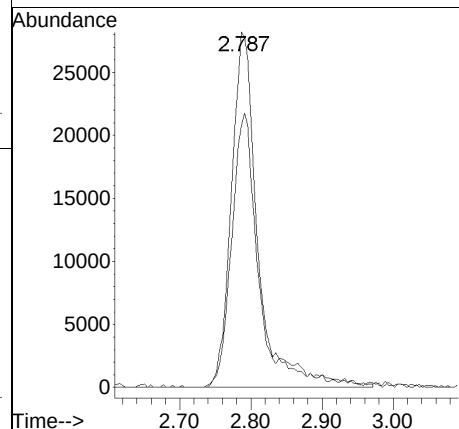
Acq: 25 Jun 2025 6:10 am

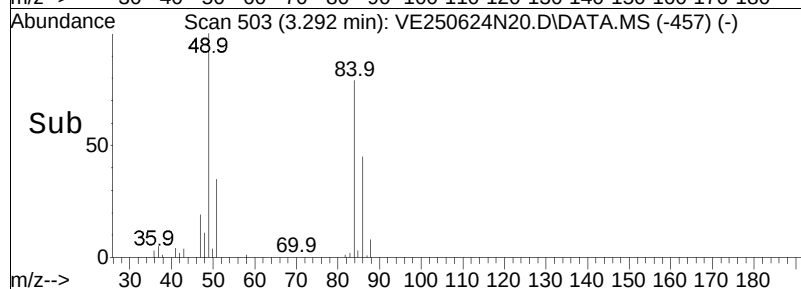
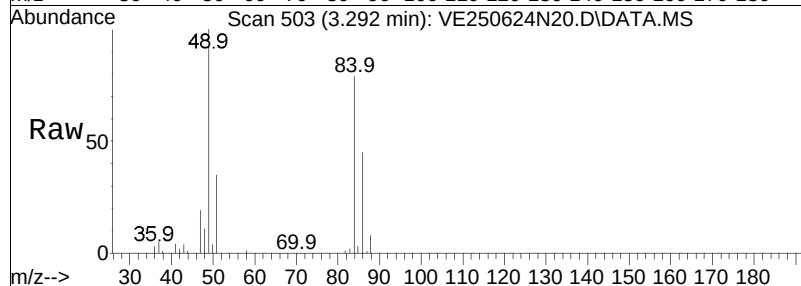
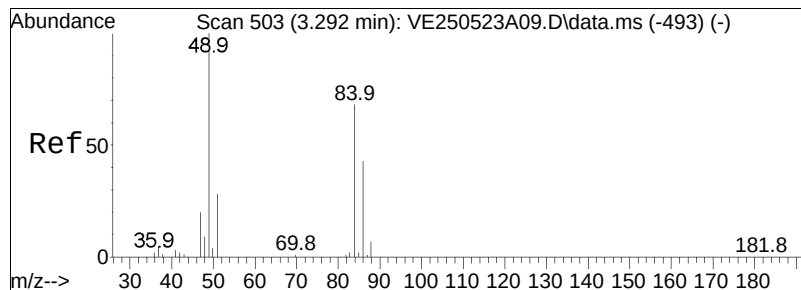
Tgt Ion:101 Resp: 73893

Ion Ratio Lower Upper

101 100

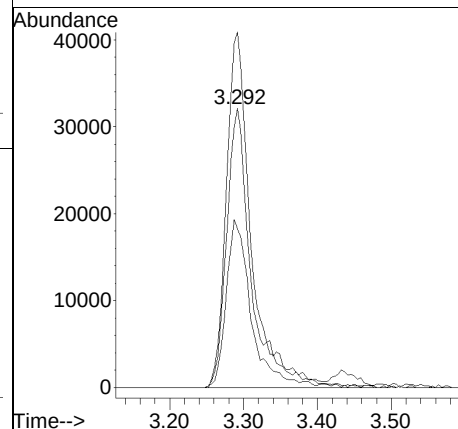
151 78.9 64.5 96.7

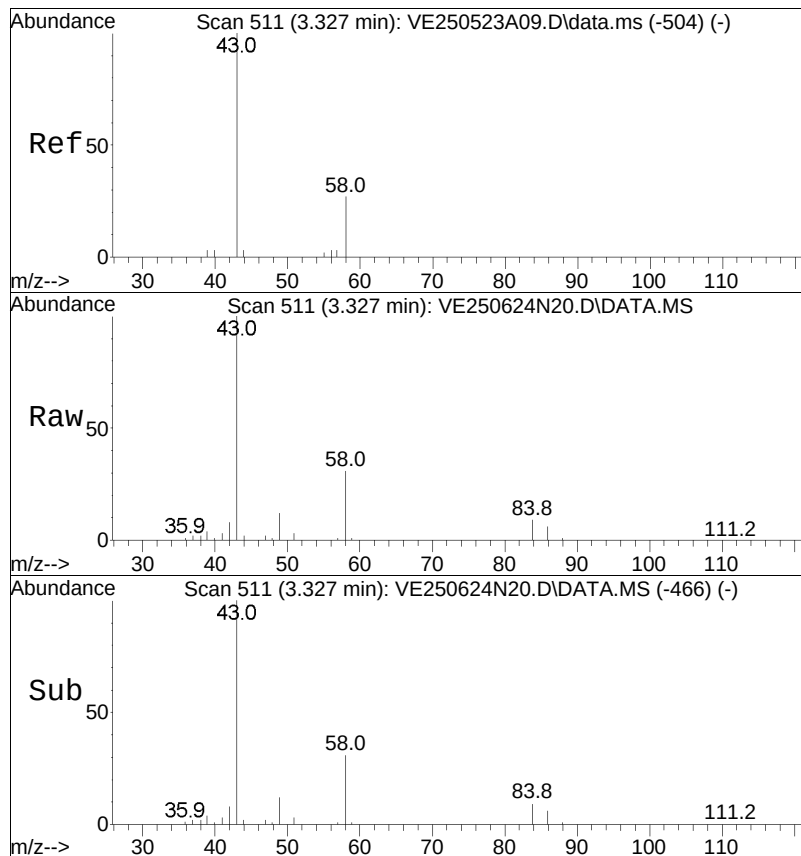




#15
Methylene chloride
Concen: 11.69 ug/L
RT: 3.292 min Scan# 503
Delta R.T. -0.000 min
Lab File: VE250624N20.D
Acq: 25 Jun 2025 6:10 am

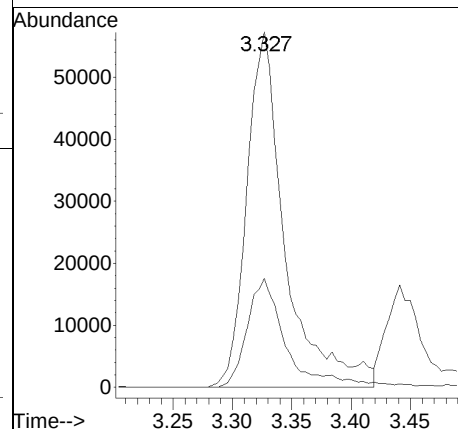
Tgt Ion	Ratio	Lower	Upper
84	100		
86	61.1	40.6	84.4
49	133.6	100.0	207.6

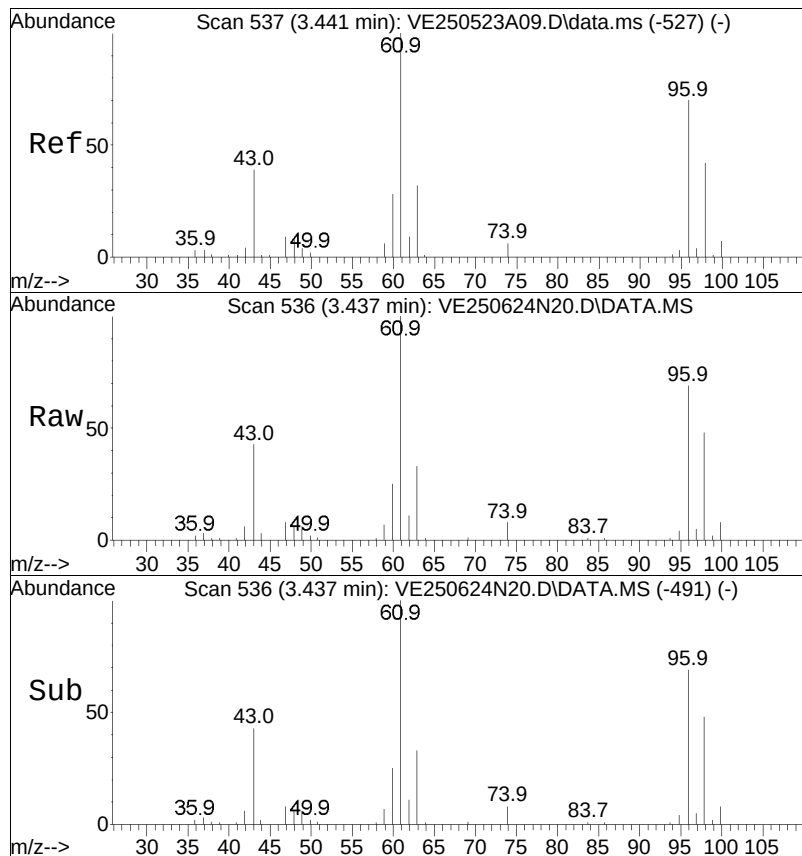




#17
 Acetone
 Concen: 90.24 ug/L
 RT: 3.327 min Scan# 511
 Delta R.T. -0.000 min
 Lab File: VE250624N20.D
 Acq: 25 Jun 2025 6:10 am

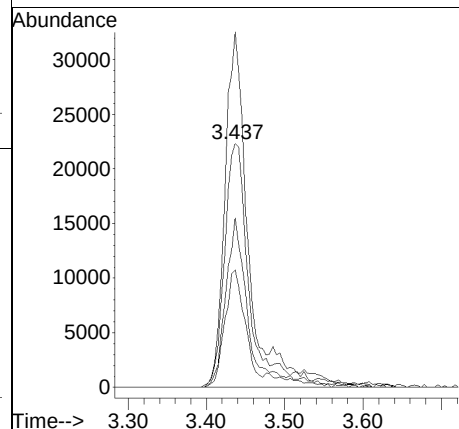
Tgt Ion	Ratio	Lower	Upper
43	100		
58	32.1	22.4	33.6

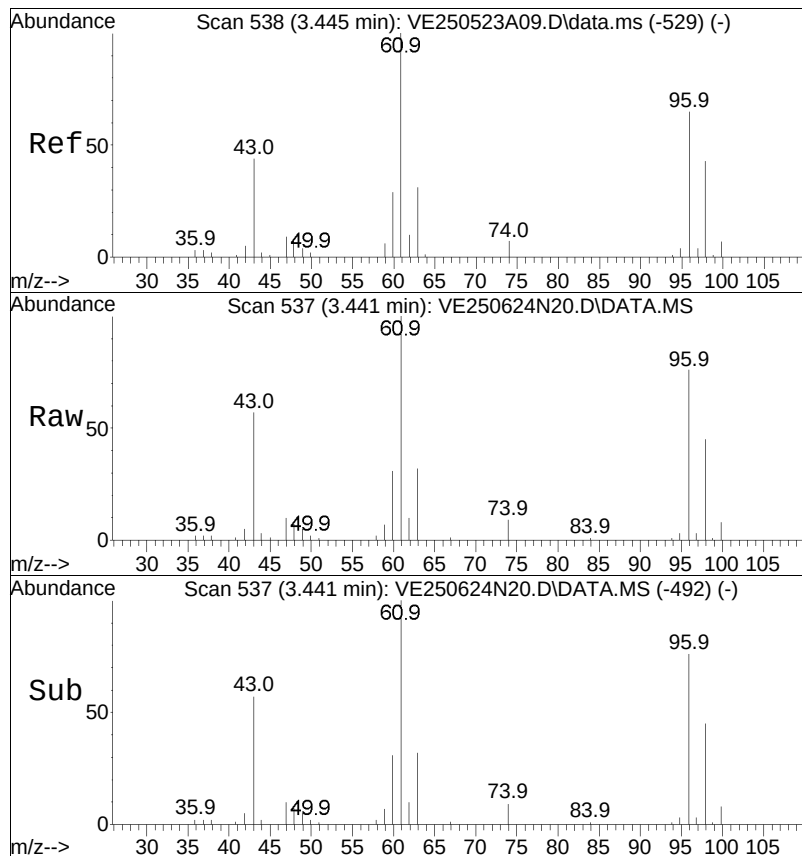




#18
 trans-1,2-Dichloroethene
 Concen: 8.63 ug/L
 RT: 3.437 min Scan# 536
 Delta R.T. -0.004 min
 Lab File: VE250624N20.D
 Acq: 25 Jun 2025 6:10 am

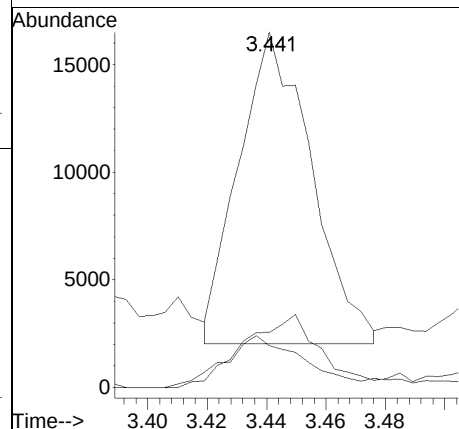
Tgt Ion:	96	Resp:	51602
Ion Ratio	Lower	Upper	
96	100		
61	137.3	99.5	206.6
98	62.5	40.5	84.1
63	44.3	32.0	66.4

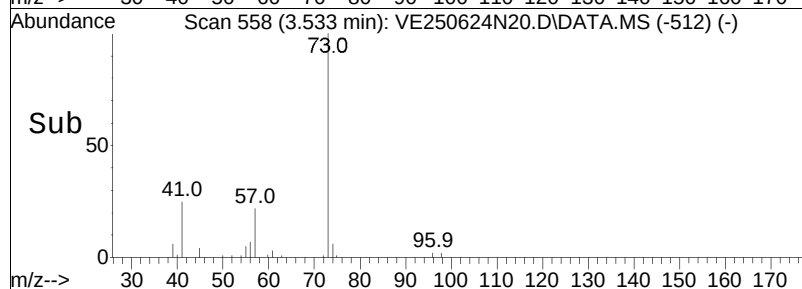
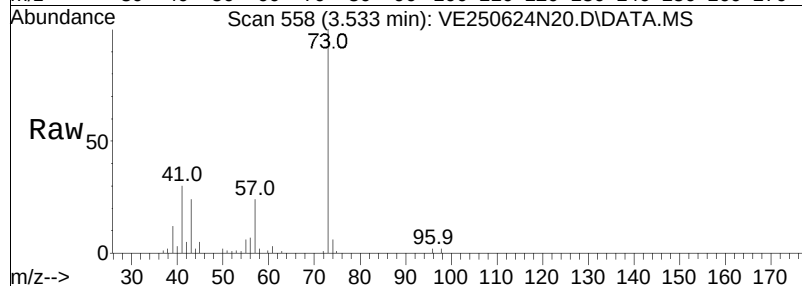
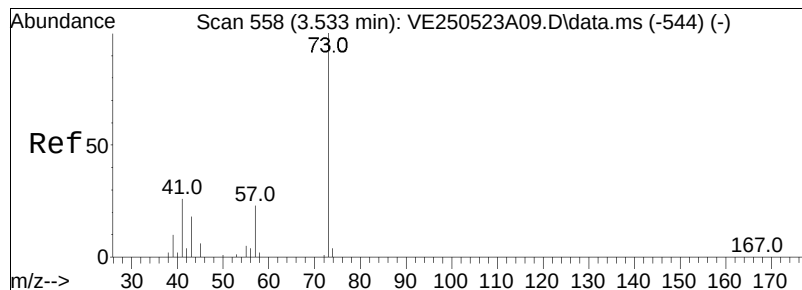




#19
Methyl acetate
Concen: 7.16 ug/L M4
RT: 3.441 min Scan# 537
Delta R.T. -0.004 min
Lab File: VE250624N20.D
Acq: 25 Jun 2025 6:10 am

Tgt Ion:	43	Resp:	24599
Ion Ratio	Lower	Upper	
43	100		
74	48.7	17.4	26.2#
59	23.0	16.1	24.1





#21

Methyl tert-butyl ether

Concen: 7.77 ug/L

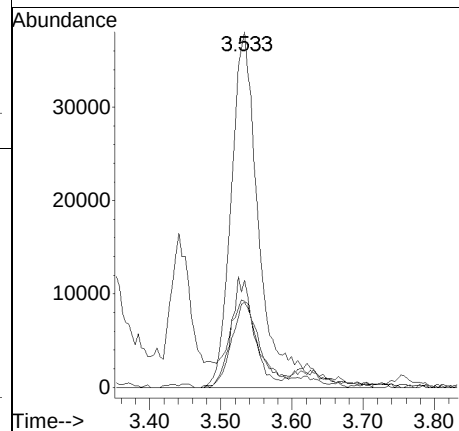
RT: 3.533 min Scan# 558

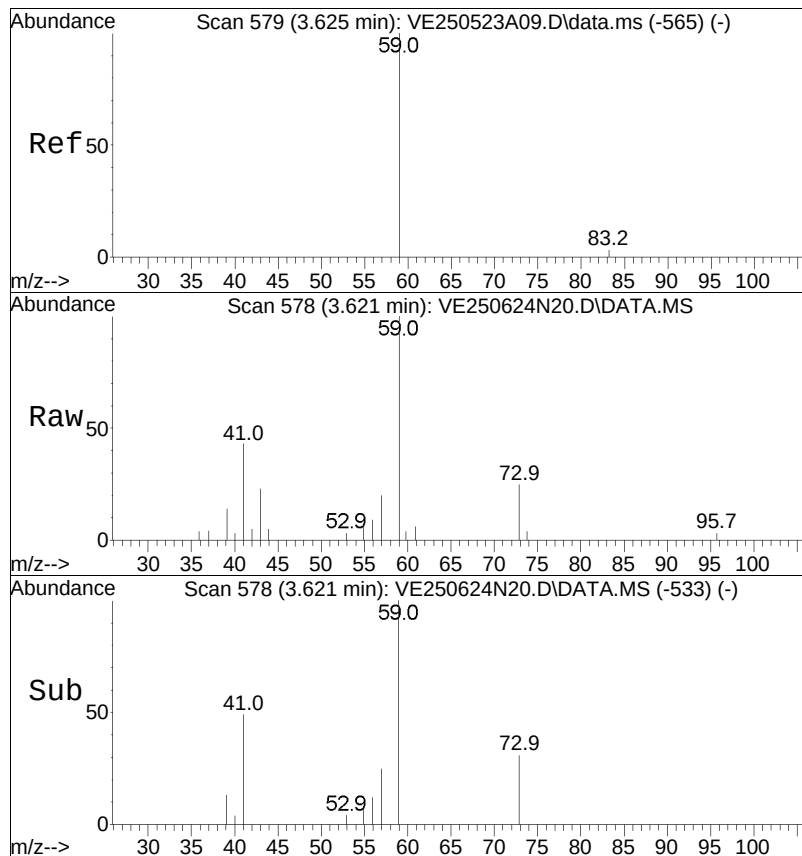
Delta R.T. -0.000 min

Lab File: VE250624N20.D

Acq: 25 Jun 2025 6:10 am

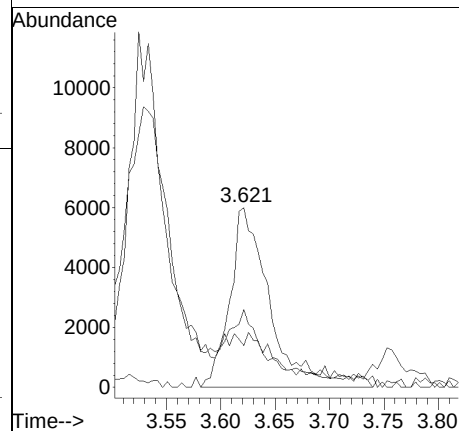
Tgt Ion:	73	Resp:	106005
Ion Ratio	Lower	Upper	
73	100		
57	25.0	17.6	36.5
43	0.0	0.0	0.0
41	35.0	22.8	47.4

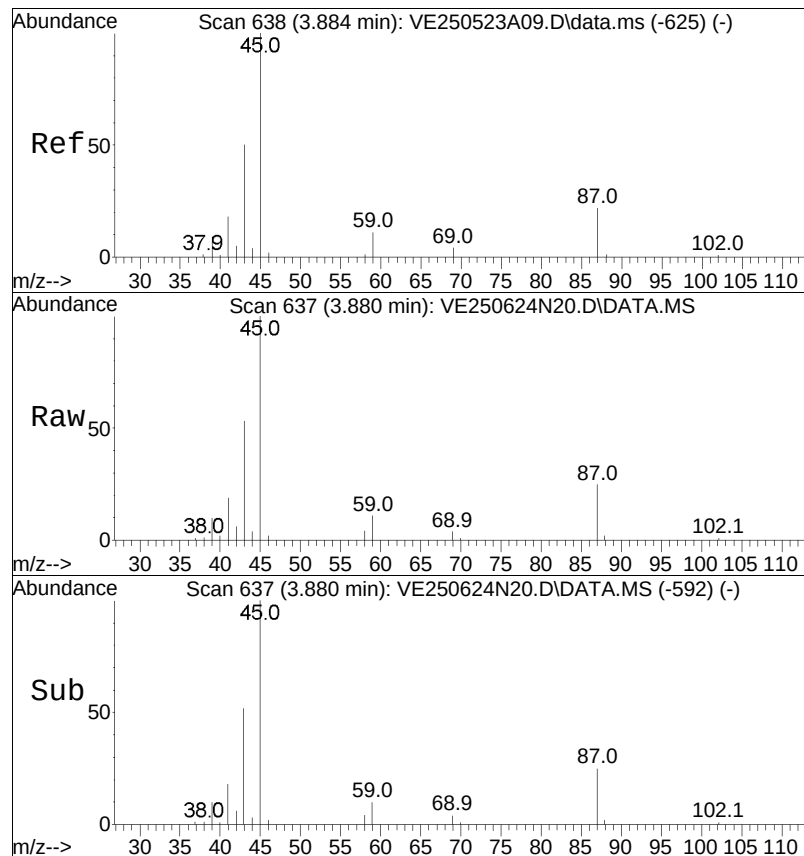




#22
 tert-Butyl alcohol
 Concen: 59.46 ug/L
 RT: 3.621 min Scan# 578
 Delta R.T. -0.004 min
 Lab File: VE250624N20.D
 Acq: 25 Jun 2025 6:10 am

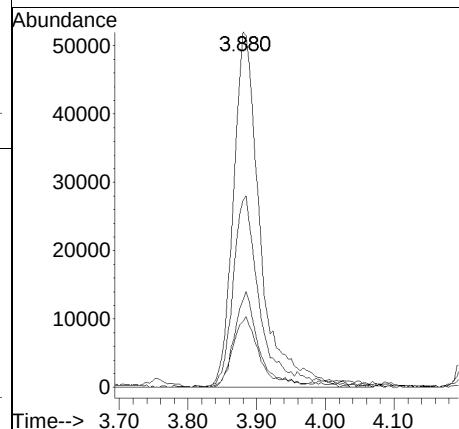
Tgt	Ion: 59	Resp:	15735
Ion	Ratio	Lower	Upper
59	100		
41	0.0	0.0	0.0
43	0.0	0.0	0.0

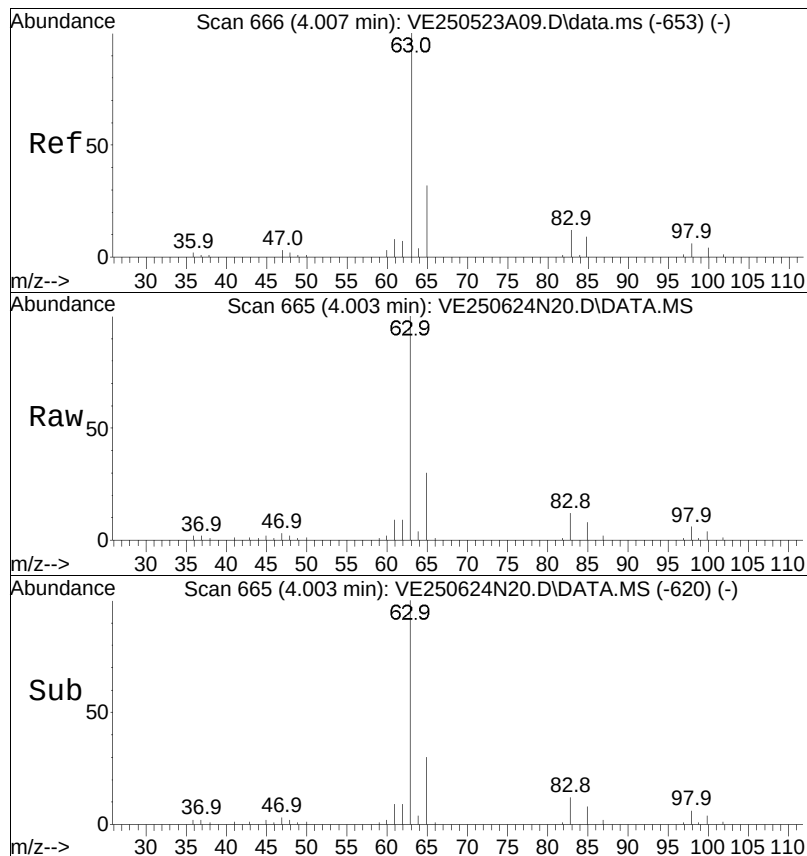




#24
 Diisopropyl ether
 Concen: 6.75 ug/L
 RT: 3.880 min Scan# 637
 Delta R.T. -0.004 min
 Lab File: VE250624N20.D
 Acq: 25 Jun 2025 6:10 am

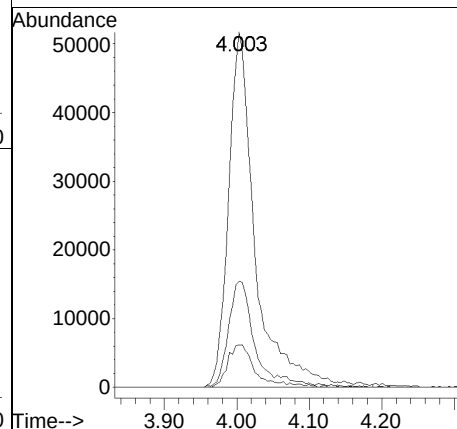
Tgt Ion:	45	Resp:	144239
Ion Ratio	Lower	Upper	
45	100		
43	54.9	33.7	69.9
87	26.0	15.2	31.6
41	20.7	12.9	26.7

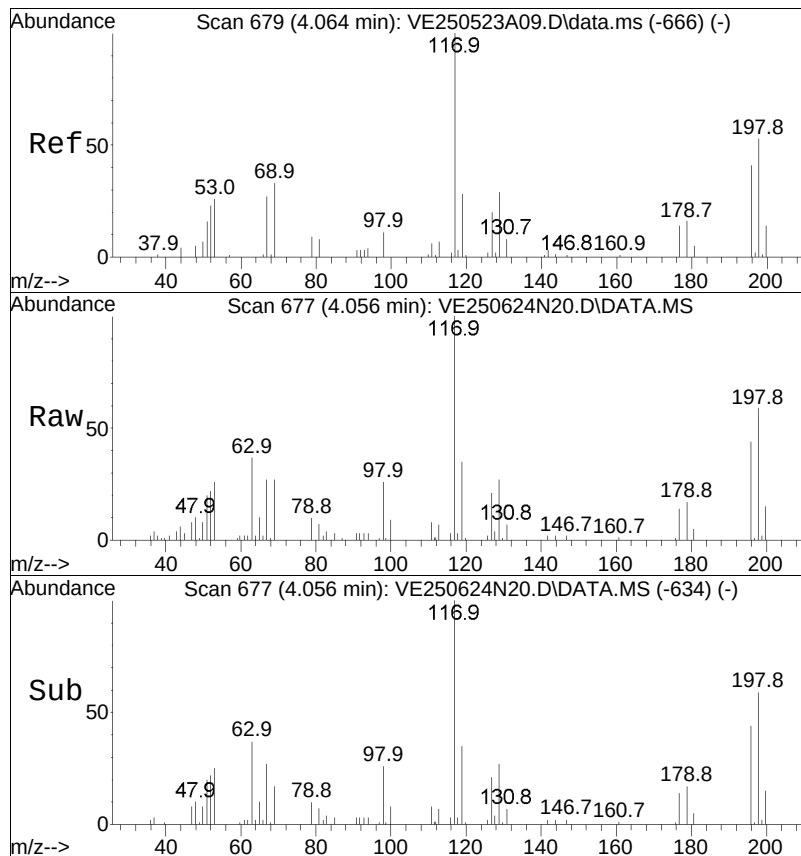




#25
 1,1-Dichloroethane
 Concen: 11.28 ug/L
 RT: 4.003 min Scan# 665
 Delta R.T. -0.004 min
 Lab File: VE250624N20.D
 Acq: 25 Jun 2025 6:10 am

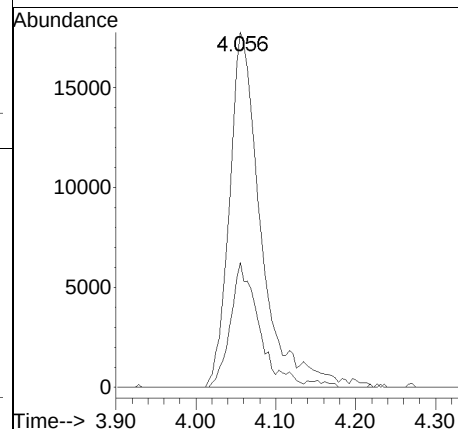
Tgt Ion:	63	Resp:	133115
Ion Ratio	Lower	Upper	
63	100		
65	30.3	10.0	50.0
83	12.5	0.0	32.2

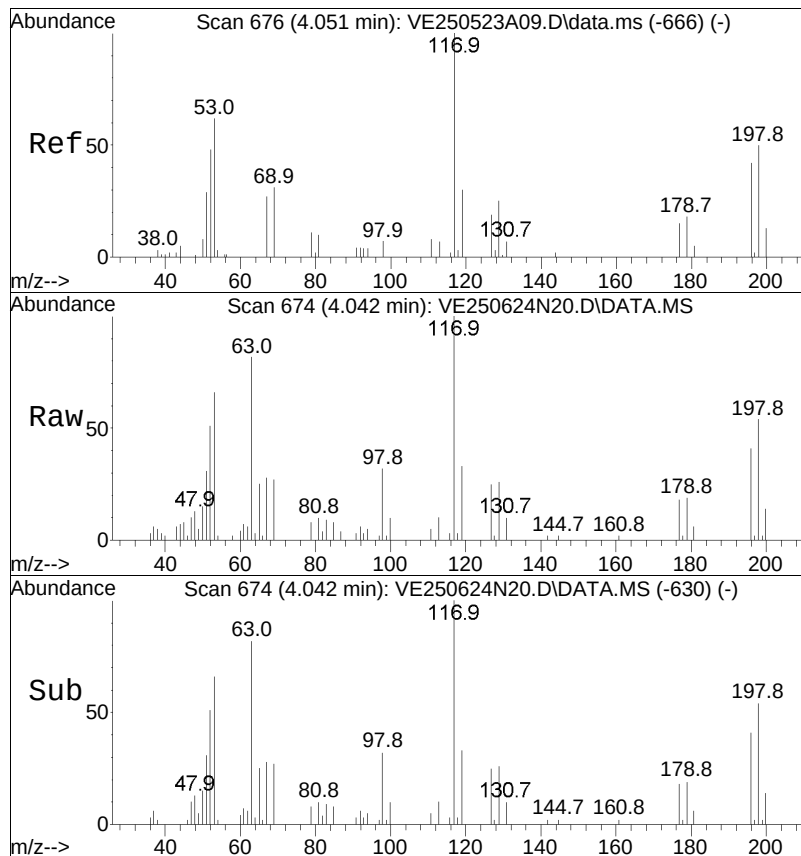




#26
 Halothane
 Concen: 11.11 ug/L
 RT: 4.056 min Scan# 677
 Delta R.T. -0.009 min
 Lab File: VE250624N20.D
 Acq: 25 Jun 2025 6:10 am

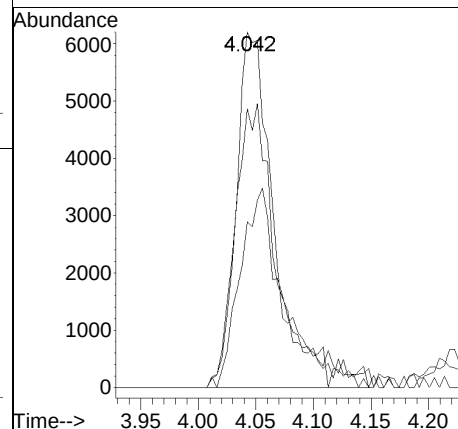
Tgt Ion:117 Resp: 49287
 Ion Ratio Lower Upper
 117 100
 119 32.8 21.2 44.0

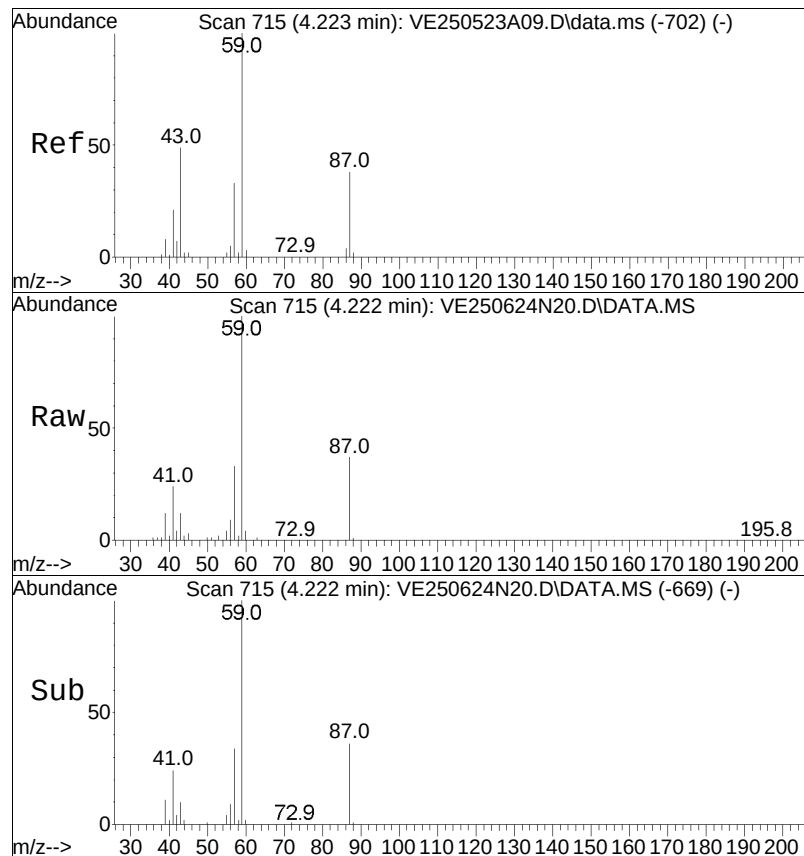




#27
 Acrylonitrile
 Concen: 8.52 ug/L
 RT: 4.042 min Scan# 674
 Delta R.T. -0.009 min
 Lab File: VE250624N20.D
 Acq: 25 Jun 2025 6:10 am

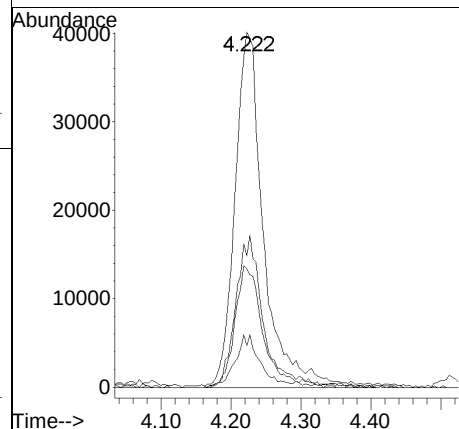
Tgt	Ion: 53	Resp:	14841
Ion	Ratio	Lower	Upper
53	100		
52	85.0	65.8	98.8
51	61.9	47.6	71.4

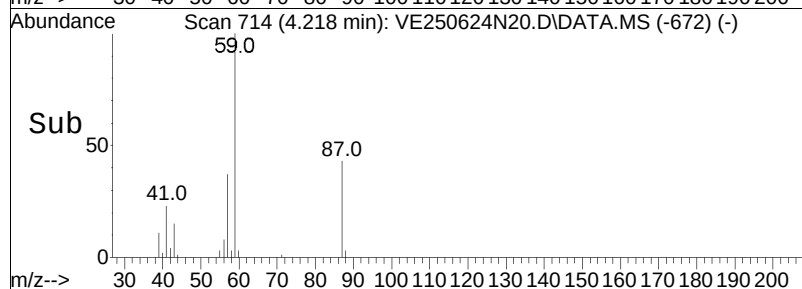
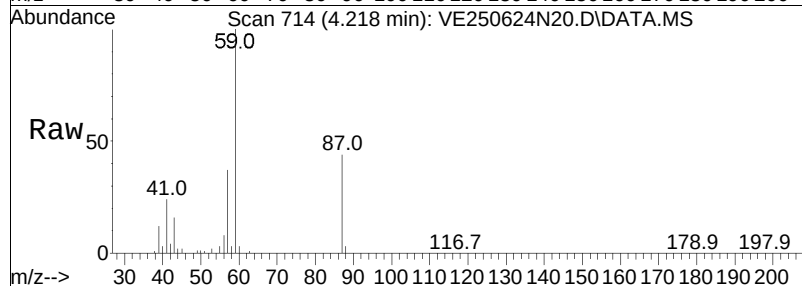
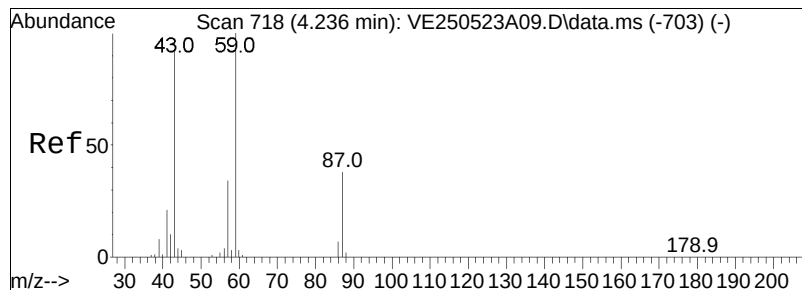




#28
 Ethyl tert-butyl ether
 Concen: 6.90 ug/L
 RT: 4.222 min Scan# 715
 Delta R.T. -0.000 min
 Lab File: VE250624N20.D
 Acq: 25 Jun 2025 6:10 am

Tgt Ion:	59	Resp:	115108
Ion Ratio	Lower	Upper	
59	100		
87	41.4	24.0	49.8
57	34.4	21.6	45.0
43	13.6	47.6	98.8#





#29

Vinyl acetate

Concen: 1.39 ug/L

RT: 4.218 min Scan# 714

Delta R.T. -0.018 min

Lab File: VE250624N20.D

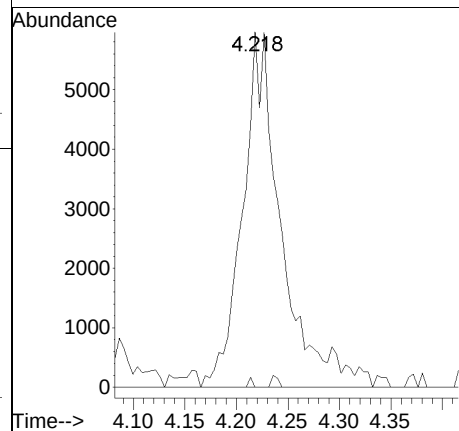
Acq: 25 Jun 2025 6:10 am

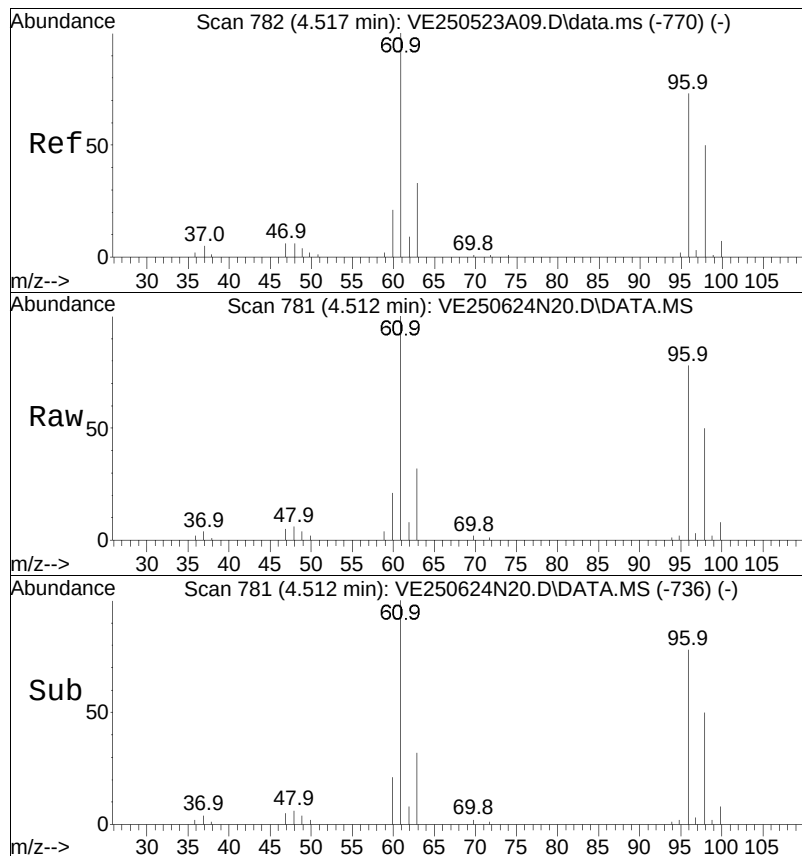
Tgt Ion: 43 Resp: 15688

Ion Ratio Lower Upper

43 100

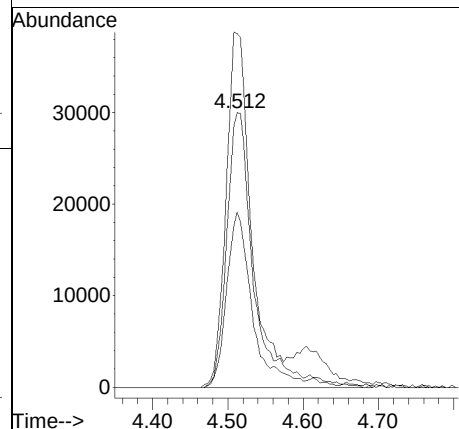
86 0.3 5.8 8.8#

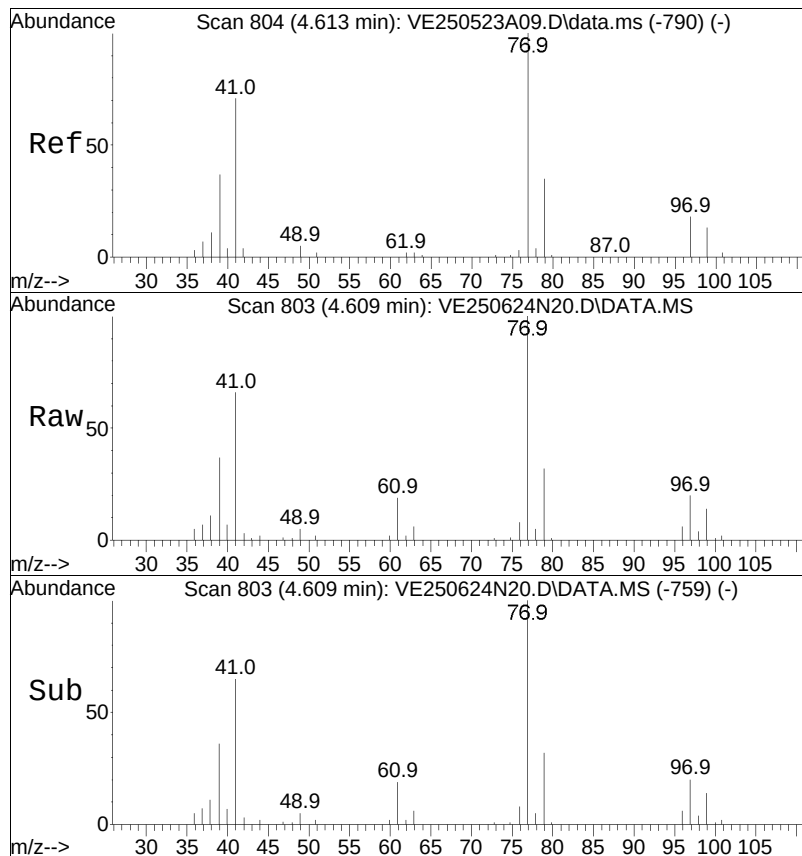




#30
 cis-1,2-Dichloroethene
 Concen: 10.90 ug/L
 RT: 4.512 min Scan# 781
 Delta R.T. -0.005 min
 Lab File: VE250624N20.D
 Acq: 25 Jun 2025 6:10 am

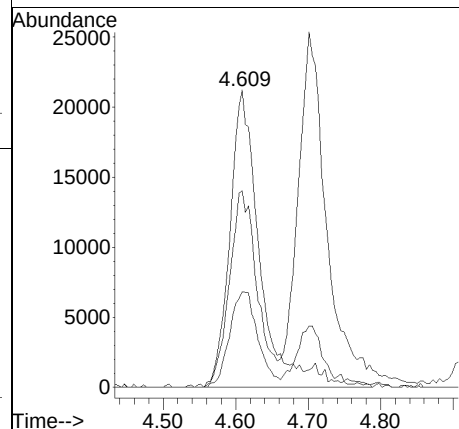
Tgt Ion	Ratio	Lower	Upper
96	100		
61	140.1	131.5	197.3
98	63.0	51.8	77.8

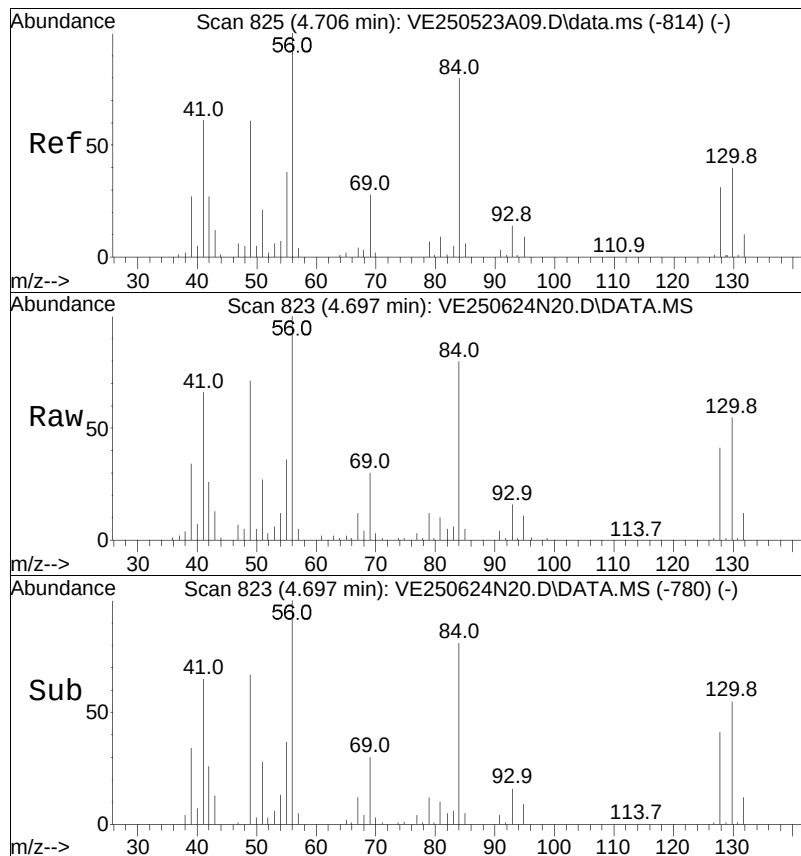




#31
 2,2-Dichloropropane
 Concen: 6.74 ug/L
 RT: 4.609 min Scan# 803
 Delta R.T. -0.004 min
 Lab File: VE250624N20.D
 Acq: 25 Jun 2025 6:10 am

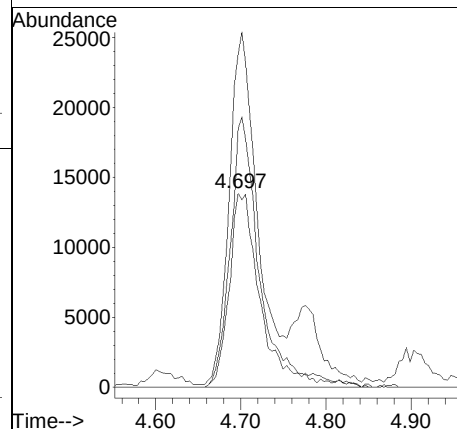
Tgt Ion:	77	Resp:	61740
Ion Ratio	Lower	Upper	
77	100		
41	61.3	47.5	98.7
79	31.7	20.7	43.1

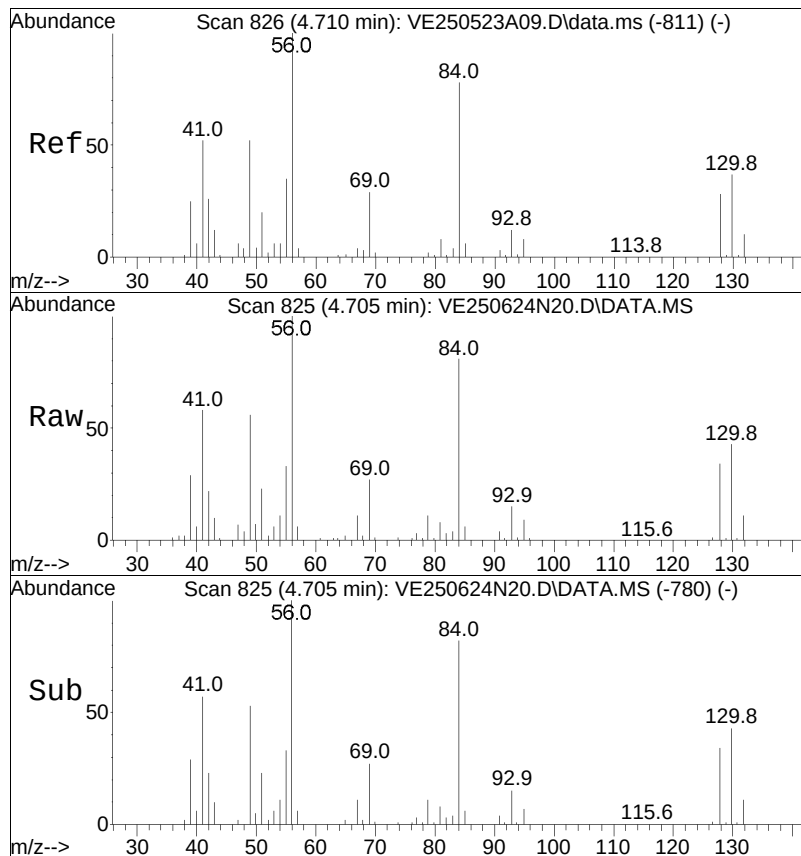




#33
 Bromochloromethane
 Concen: 10.91 ug/L
 RT: 4.697 min Scan# 823
 Delta R.T. -0.009 min
 Lab File: VE250624N20.D
 Acq: 25 Jun 2025 6:10 am

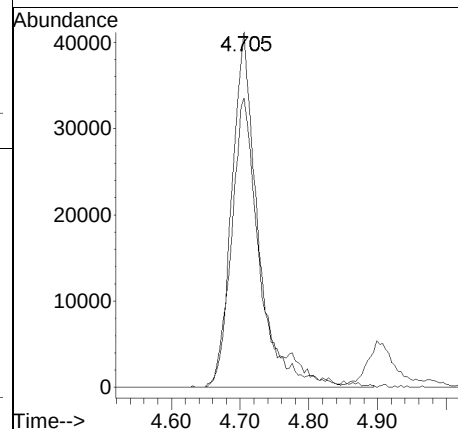
Tgt Ion:	128	Resp:	36002
Ion Ratio	Lower	Upper	
128	100		
49	200.3	194.2	291.2
130	129.9	99.7	149.5

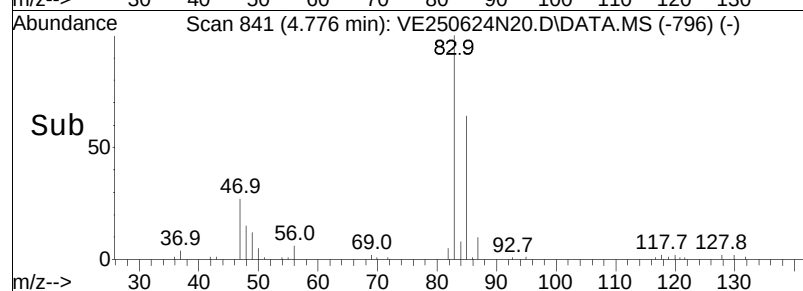
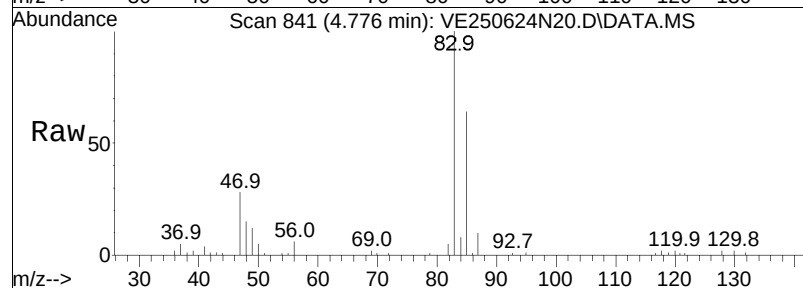
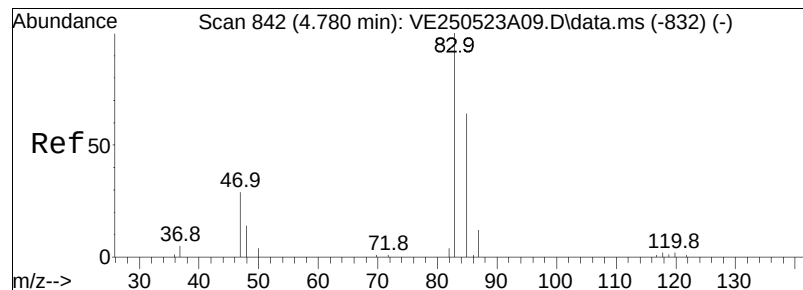




#34
Cyclohexane
Concen: 8.82 ug/L
RT: 4.705 min Scan# 825
Delta R.T. -0.004 min
Lab File: VE250624N20.D
Acq: 25 Jun 2025 6:10 am

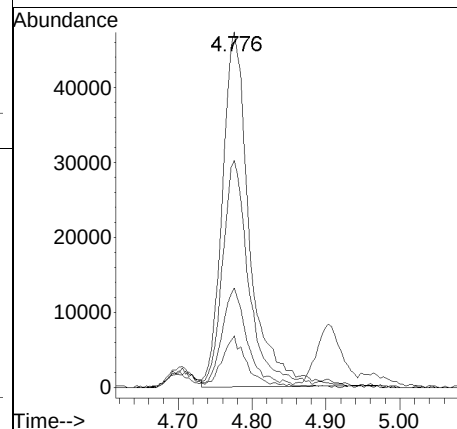
Tgt	Ion	Ratio	Lower	Upper
56	100			
84	87.7	51.9	107.9	

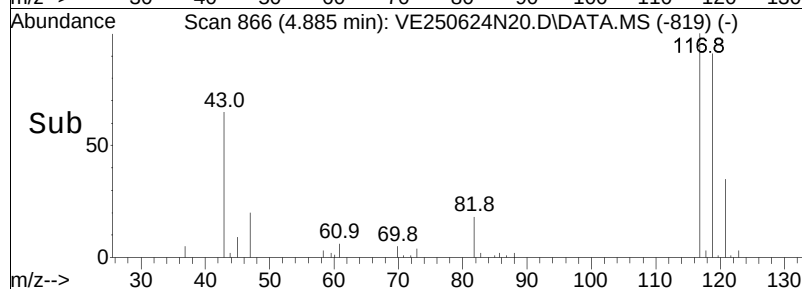
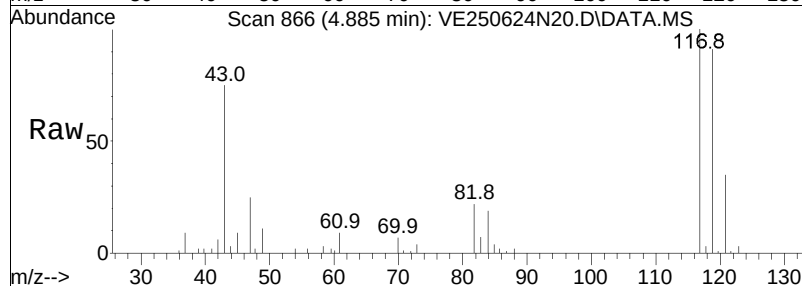
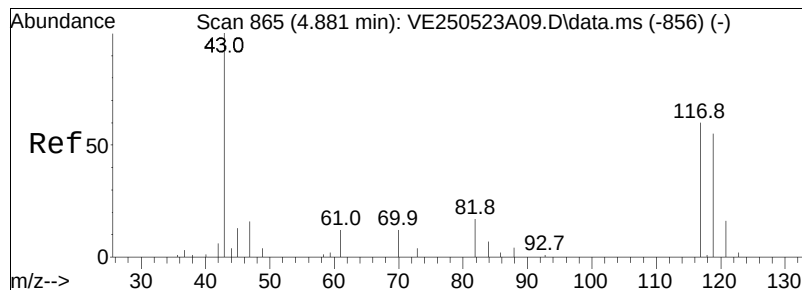




#35
 Chloroform
 Concen: 11.10 ug/L
 RT: 4.776 min Scan# 841
 Delta R.T. -0.004 min
 Lab File: VE250624N20.D
 Acq: 25 Jun 2025 6:10 am

Tgt Ion:	83	Resp:	122246
Ion	Ratio	Lower	Upper
83	100		
85	64.1	41.7	86.5
47	23.7	17.4	36.2
48	13.8	9.2	19.0





#36

Ethyl acetate

Concen: 6.98 ug/L

RT: 4.885 min Scan# 866

Delta R.T. 0.004 min

Lab File: VE250624N20.D

Acq: 25 Jun 2025 6:10 am

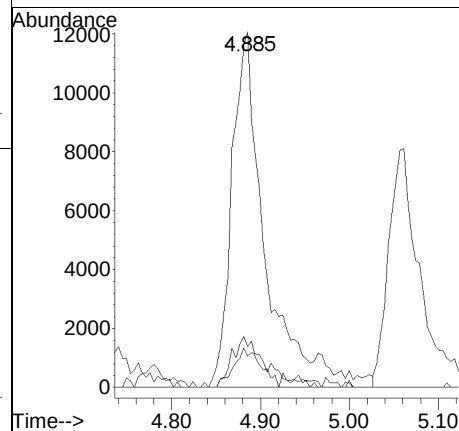
Tgt Ion: 43 Resp: 31804

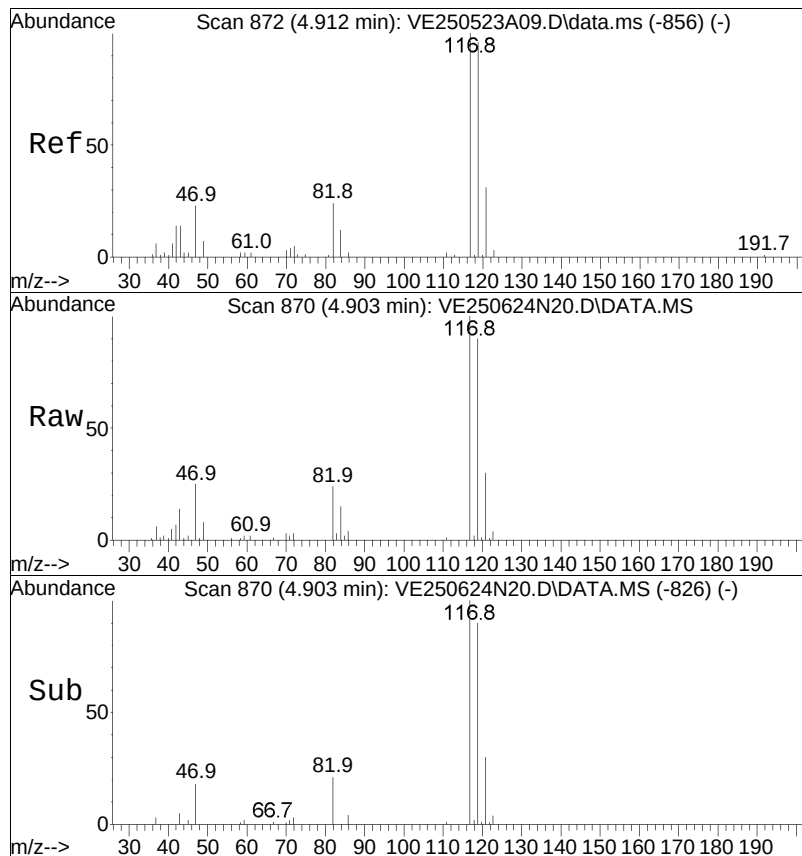
Ion Ratio Lower Upper

43 100

45 11.1 10.6 15.8

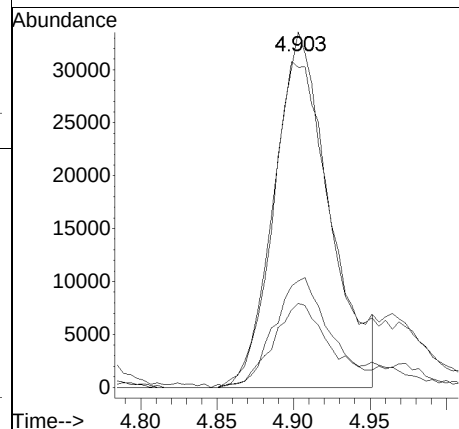
70 12.6 9.5 14.3

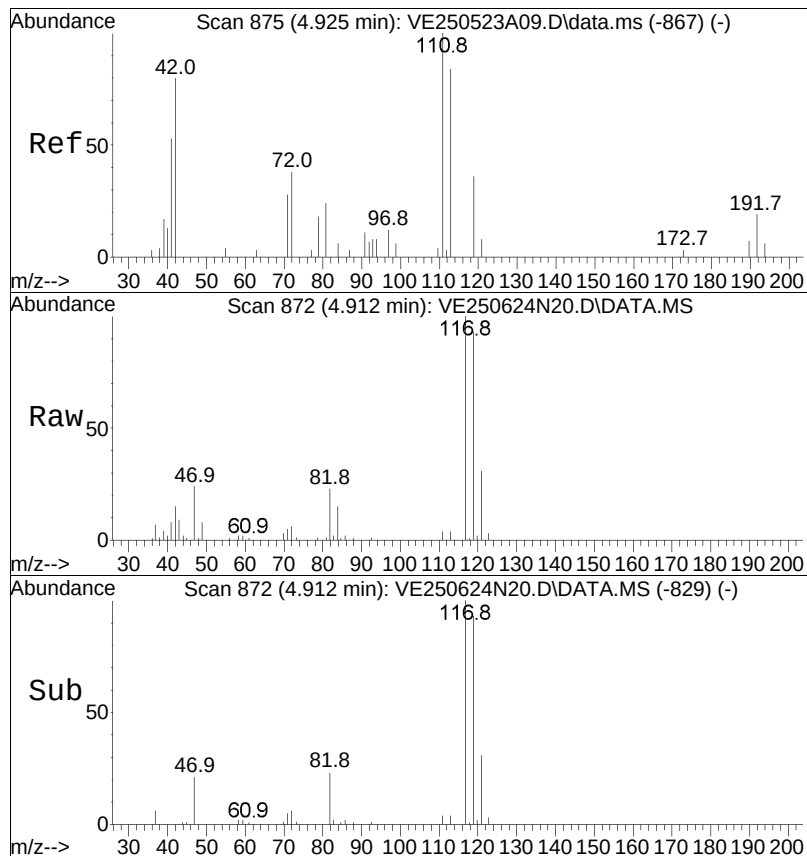




#37
 Carbon tetrachloride
 Concen: 10.88 ug/L M6
 RT: 4.903 min Scan# 870
 Delta R.T. -0.009 min
 Lab File: VE250624N20.D
 Acq: 25 Jun 2025 6:10 am

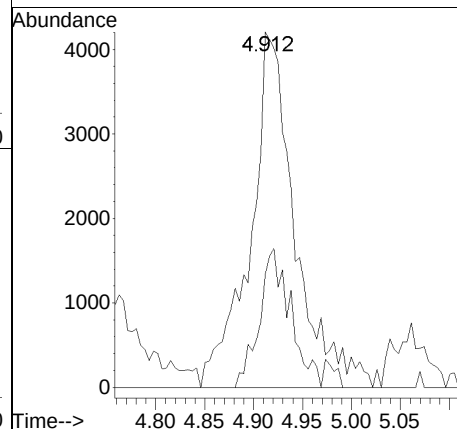
Tgt Ion:	117	Resp:	84371
Ion Ratio	Lower	Upper	
117	100		
119	117.3	70.5	146.5
121	38.0	23.0	47.8
82	29.9	19.2	39.8

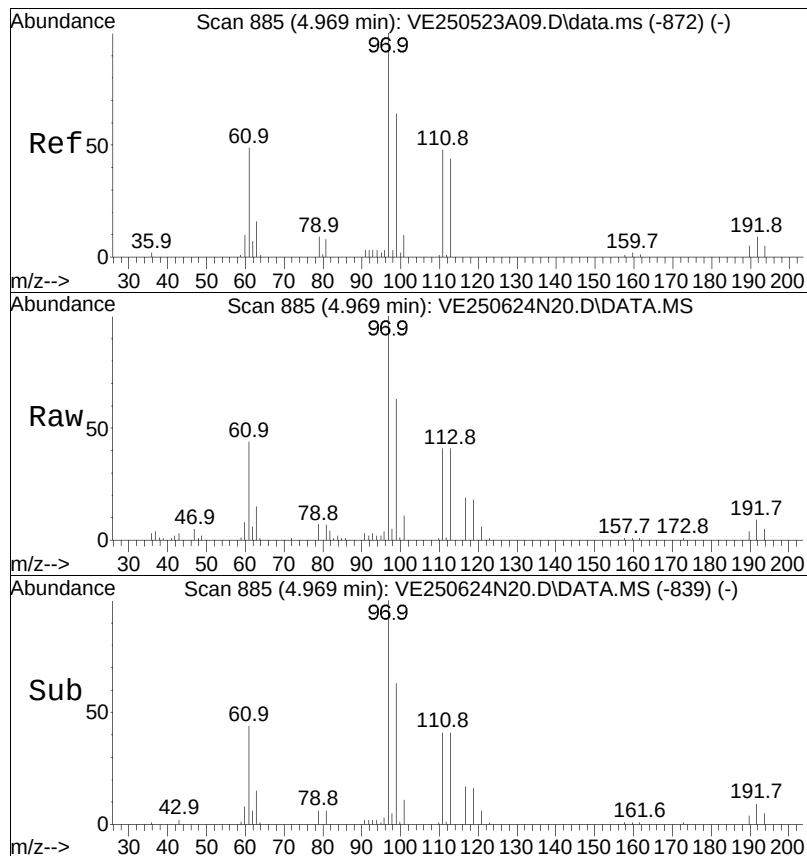




#38
Tetrahydrofuran
Concen: 8.22 ug/L
RT: 4.912 min Scan# 872
Delta R.T. -0.013 min
Lab File: VE250624N20.D
Acq: 25 Jun 2025 6:10 am

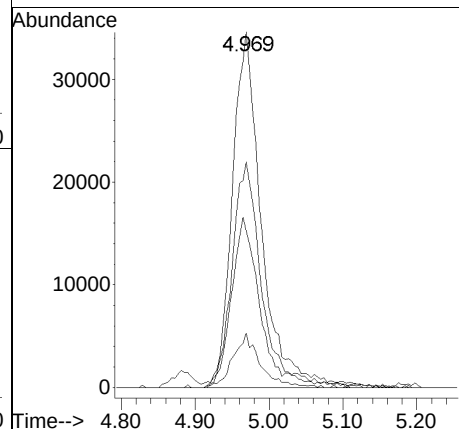
Tgt Ion:	42	71	Ratio	100	27.3	Resp:	13305	Lower	Upper
								23.5	35.3

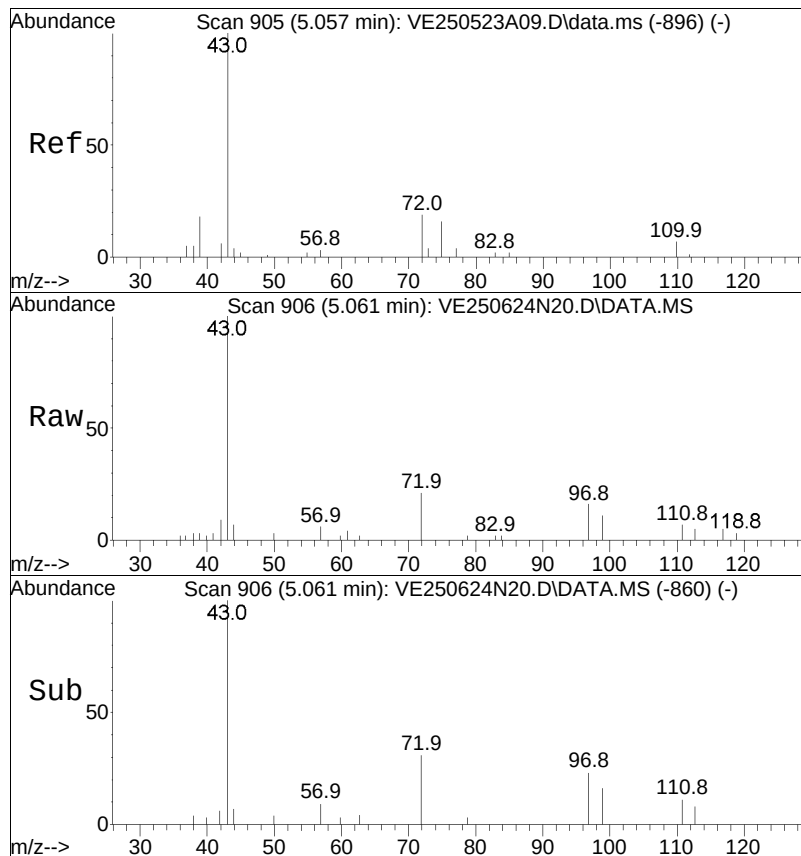




#40
 1,1,1-Trichloroethane
 Concen: 10.65 ug/L
 RT: 4.969 min Scan# 885
 Delta R.T. -0.000 min
 Lab File: VE250624N20.D
 Acq: 25 Jun 2025 6:10 am

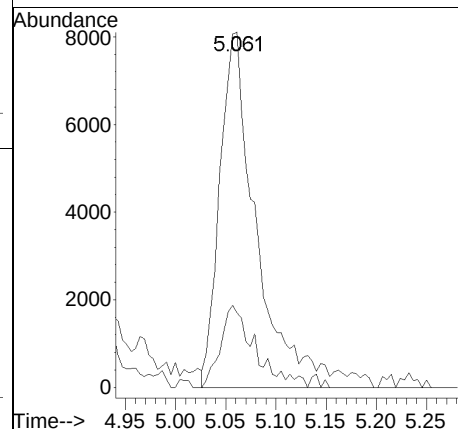
Tgt Ion:	97	Resp:	95507
Ion Ratio	Lower	Upper	
97	100		
99	64.0	41.2	85.6
61	47.2	32.8	68.2
63	14.1	10.1	20.9

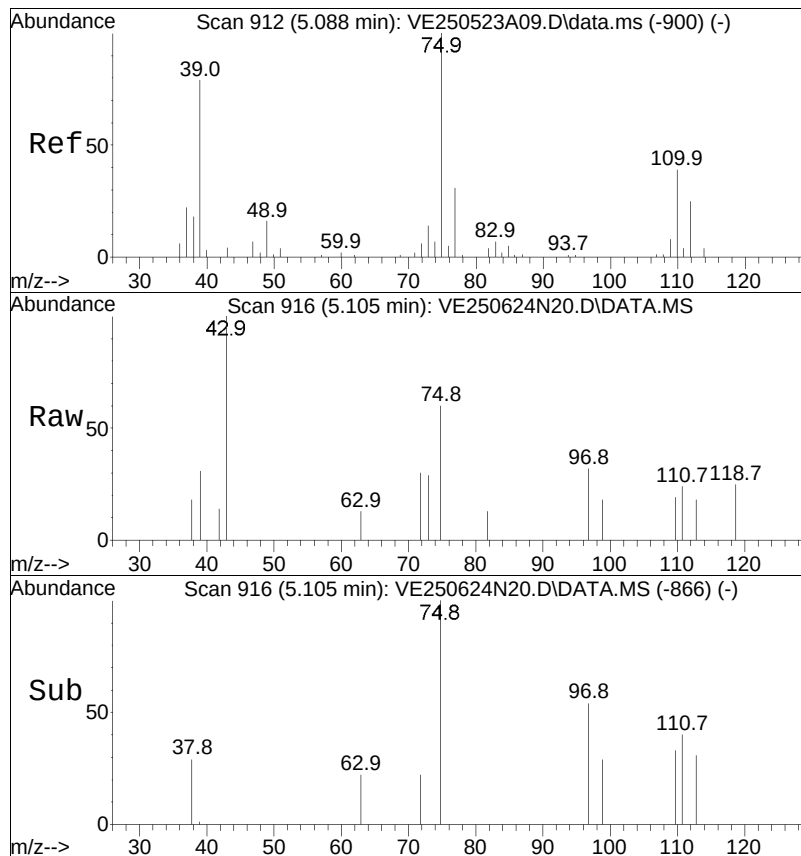




#42
 2-Butanone
 Concen: 10.18 ug/L
 RT: 5.061 min Scan# 906
 Delta R.T. 0.004 min
 Lab File: VE250624N20.D
 Acq: 25 Jun 2025 6:10 am

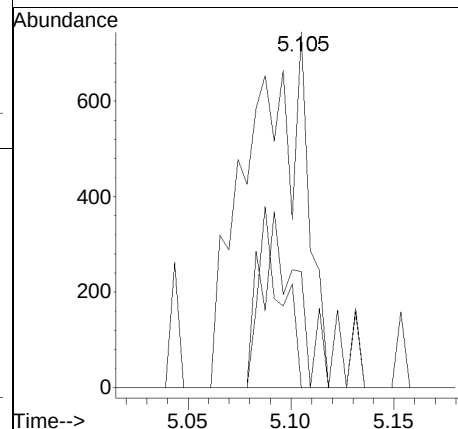
Tgt Ion:	43	72	Ion Ratio	100	21.3	Resp:	21057	Lower	Upper
								30.2	45.4#

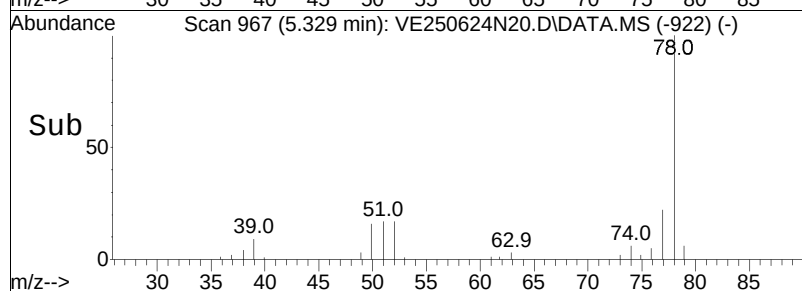
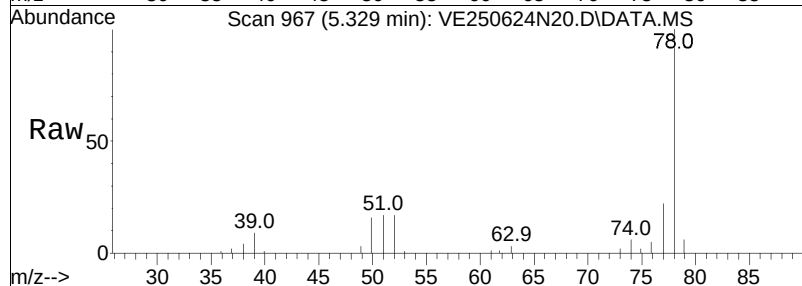
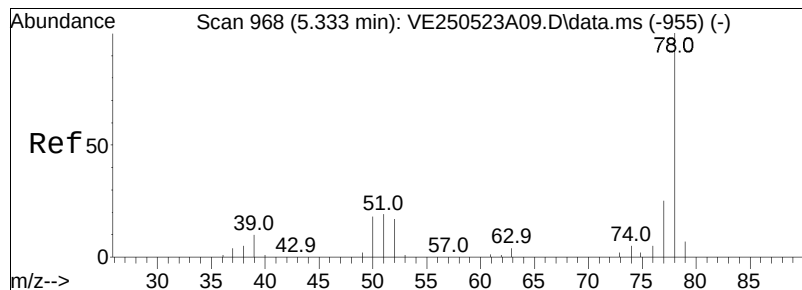




#43
 1,1-Dichloropropene
 Concen: 0.23 ug/L
 RT: 5.105 min Scan# 916
 Delta R.T. 0.017 min
 Lab File: VE250624N20.D
 Acq: 25 Jun 2025 6:10 am

Tgt	Ion	Ratio	Lower	Upper
75	100			
110	0.0	22.7	47.3#	
77	2.8	20.1	41.7#	





#45

Benzene

Concen: 8.74 ug/L

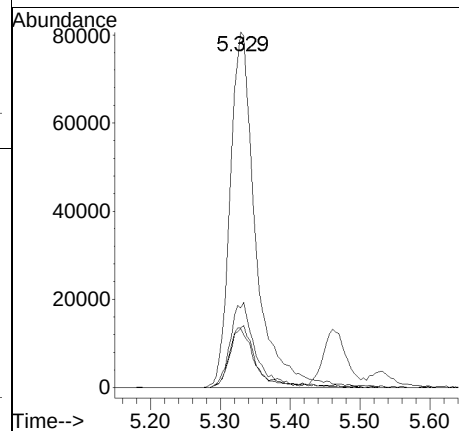
RT: 5.329 min Scan# 967

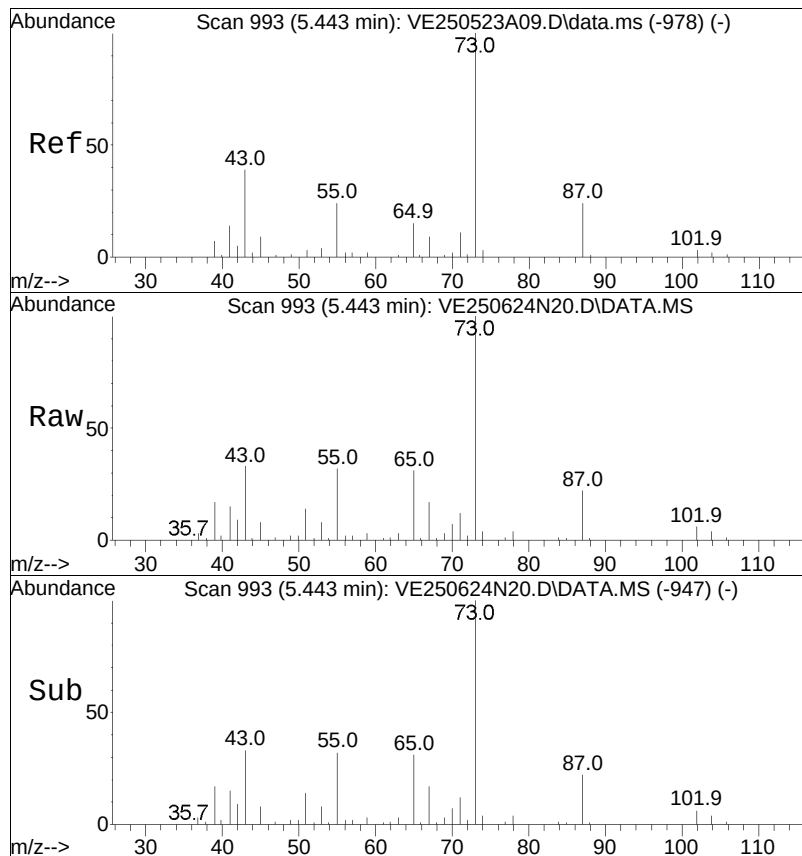
Delta R.T. -0.005 min

Lab File: VE250624N20.D

Acq: 25 Jun 2025 6:10 am

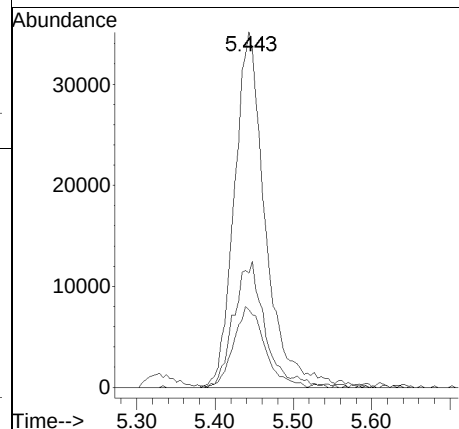
Tgt Ion:	78	Resp:	205705
Ion Ratio	Lower	Upper	
78	100		
77	24.0	15.1	31.3
51	17.5	12.7	26.5
52	16.8	12.2	25.4

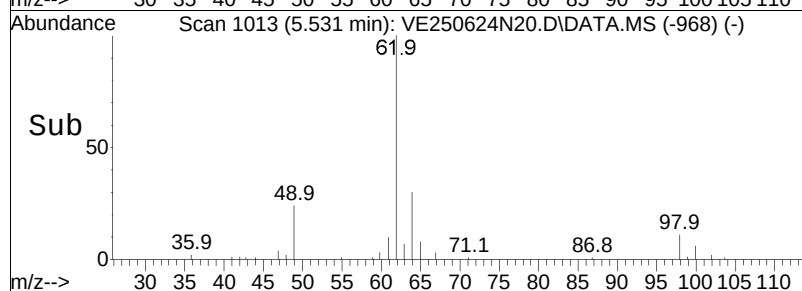
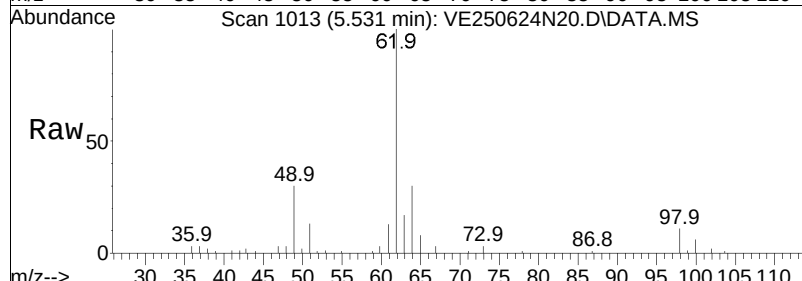
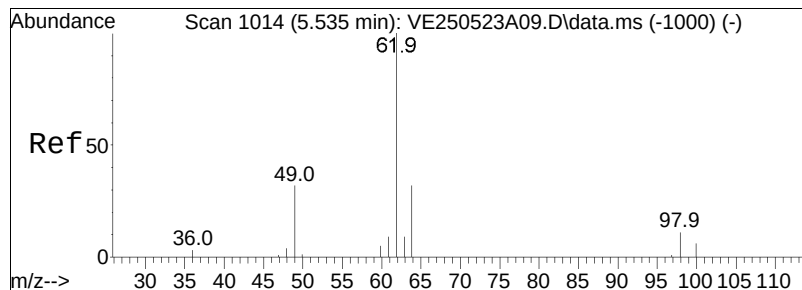




#46
 tert-Amyl methyl ether
 Concen: 6.90 ug/L
 RT: 5.443 min Scan# 993
 Delta R.T. -0.000 min
 Lab File: VE250624N20.D
 Acq: 25 Jun 2025 6:10 am

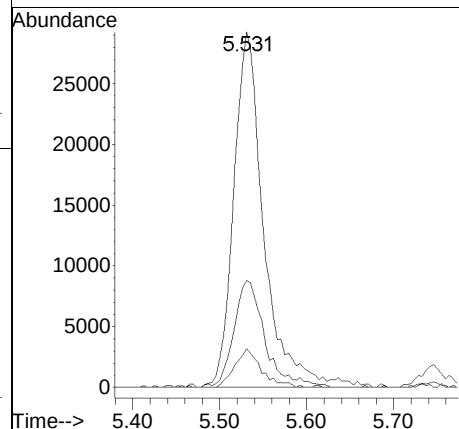
Tgt Ion	Ratio	Lower	Upper
73	100		
55	36.0	25.0	51.8
87	22.7	15.1	31.3

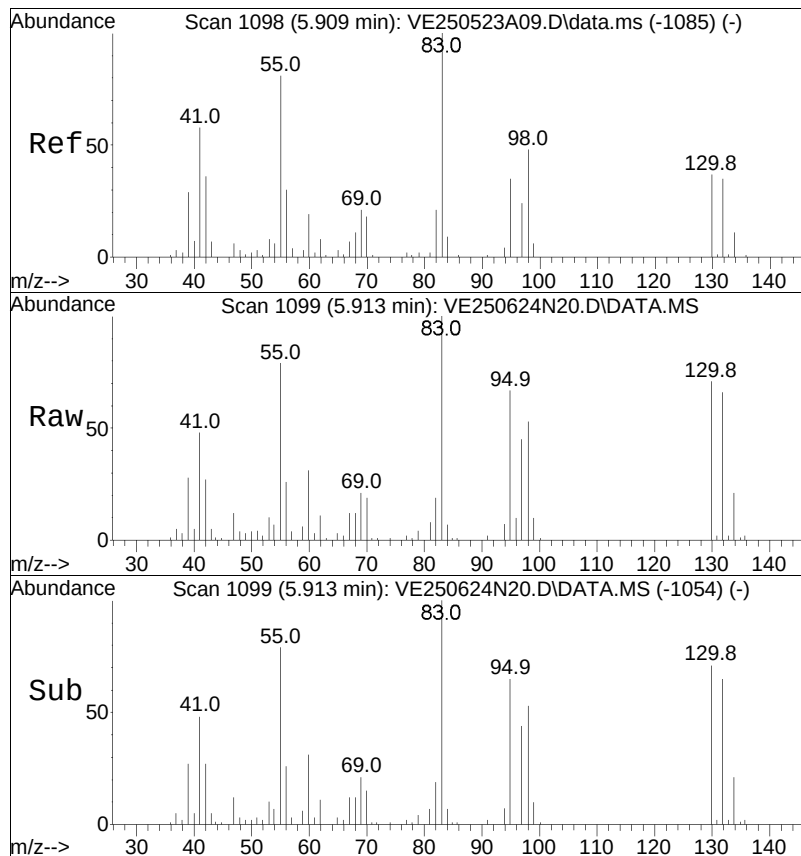




#48
 1,2-Dichloroethane
 Concen: 10.05 ug/L
 RT: 5.531 min Scan# 1013
 Delta R.T. -0.004 min
 Lab File: VE250624N20.D
 Acq: 25 Jun 2025 6:10 am

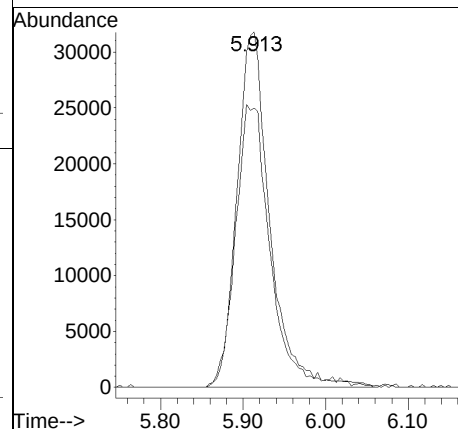
Tgt Ion:	62	Resp:	70650
Ion Ratio	Lower	Upper	
62	100		
64	31.0	12.6	52.6
98	9.6	0.0	28.3

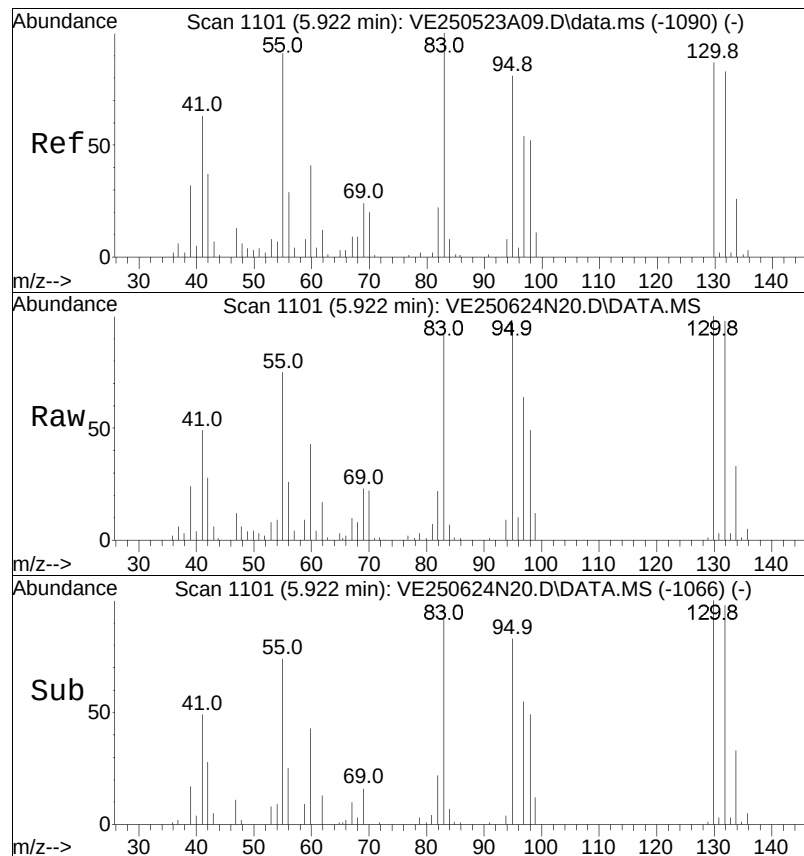




#51
Methyl cyclohexane
Concen: 8.31 ug/L
RT: 5.913 min Scan# 1099
Delta R.T. 0.004 min
Lab File: VE250624N20.D
Acq: 25 Jun 2025 6:10 am

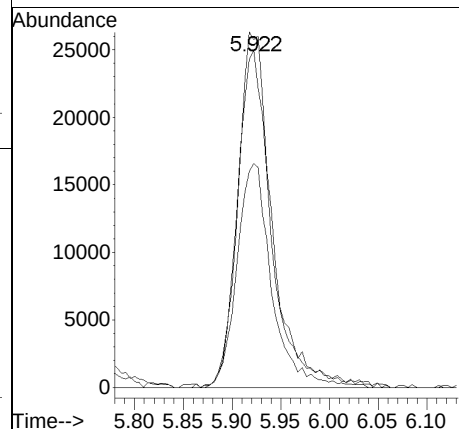
Tgt Ion: 83 Resp: 88242
Ion Ratio Lower Upper
83 100
55 83.8 72.5 108.7

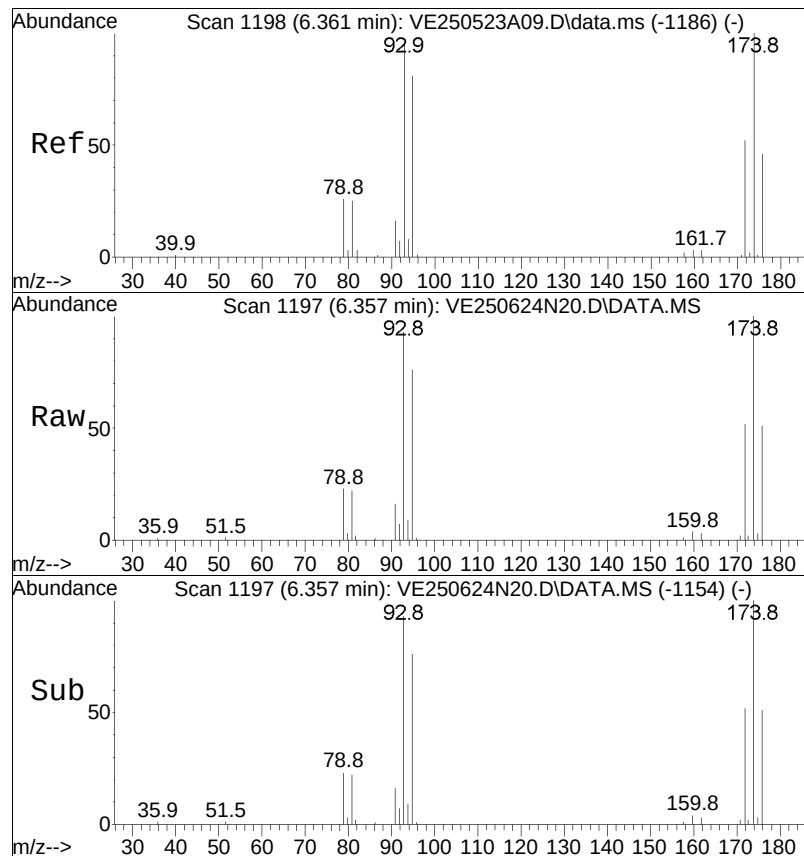




#52
 Trichloroethene
 Concen: 10.63 ug/L
 RT: 5.922 min Scan# 1101
 Delta R.T. -0.000 min
 Lab File: VE250624N20.D
 Acq: 25 Jun 2025 6:10 am

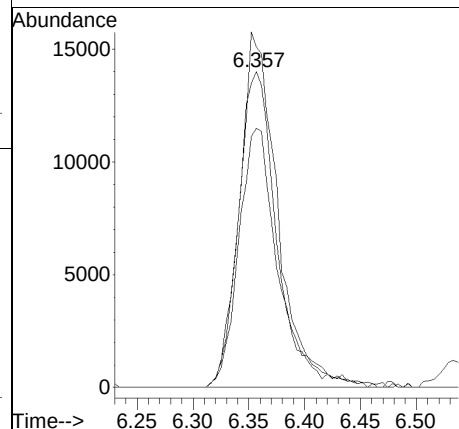
Tgt Ion	Ratio	Lower	Upper
95	100		
97	67.5	54.6	81.8
130	106.6	79.5	119.3

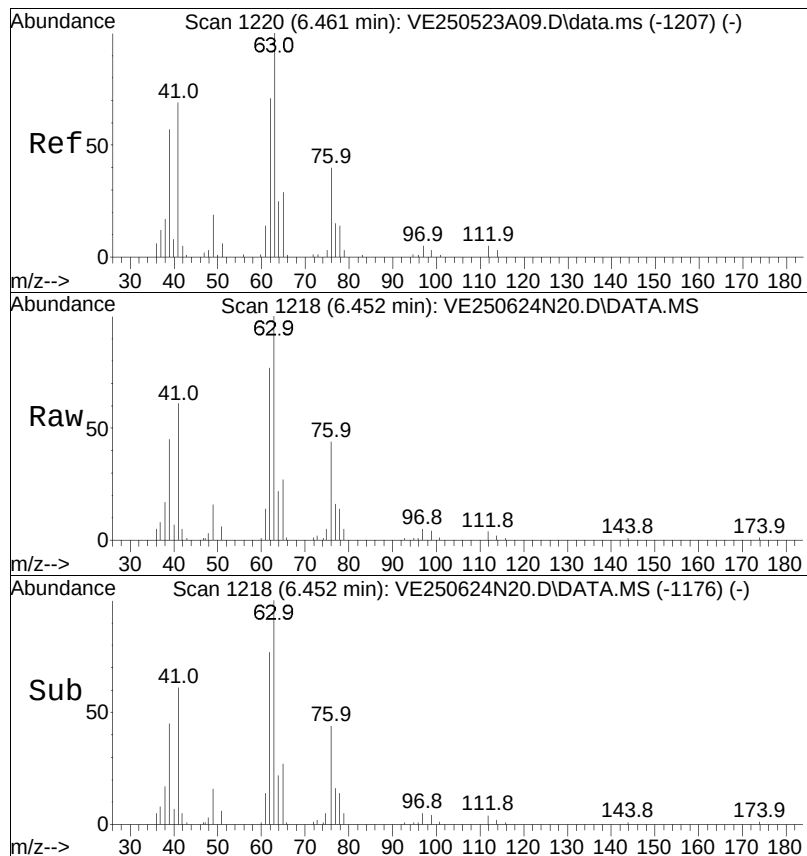




#54
 Dibromomethane
 Concen: 10.13 ug/L
 RT: 6.357 min Scan# 1197
 Delta R.T. -0.005 min
 Lab File: VE250624N20.D
 Acq: 25 Jun 2025 6:10 am

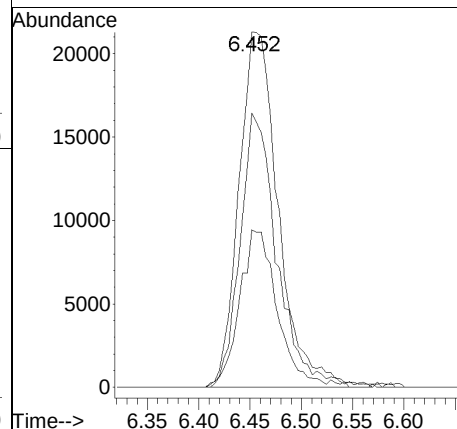
Tgt Ion:	93	Resp:	33958
Ion Ratio	Lower	Upper	
93	100		
95	83.9	65.3	97.9
174	110.5	82.6	123.8

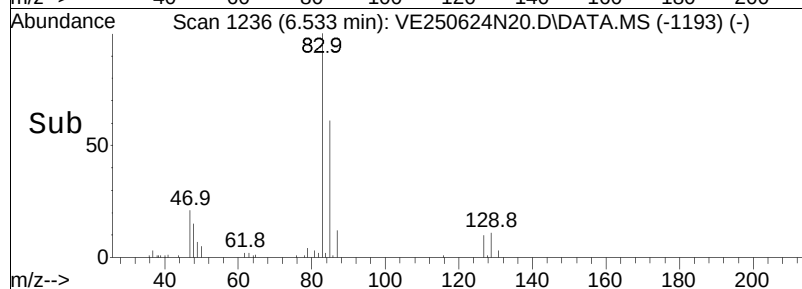
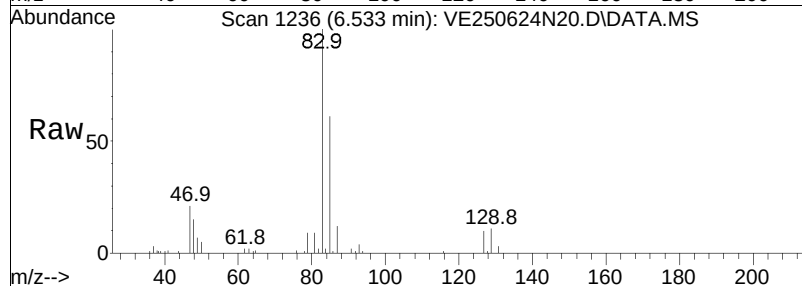
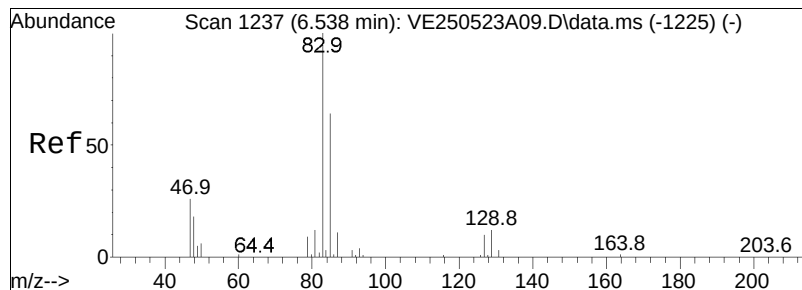




#55
 1,2-Dichloropropane
 Concen: 9.31 ug/L
 RT: 6.452 min Scan# 1218
 Delta R.T. -0.009 min
 Lab File: VE250624N20.D
 Acq: 25 Jun 2025 6:10 am

Tgt Ion: 63	Resp: 57118
Ion Ratio	Lower Upper
63 100	
62 72.8	57.3 85.9
76 42.5	33.4 50.2





#58

Bromodichloromethane

Concen: 9.45 ug/L

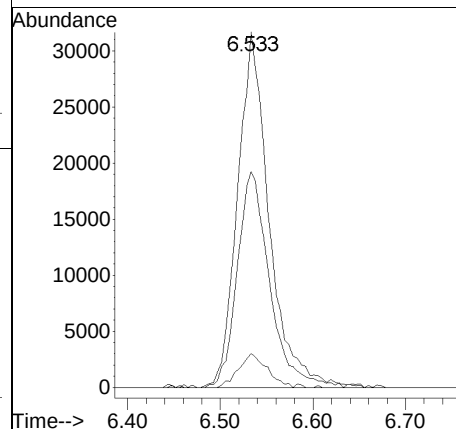
RT: 6.533 min Scan# 1236

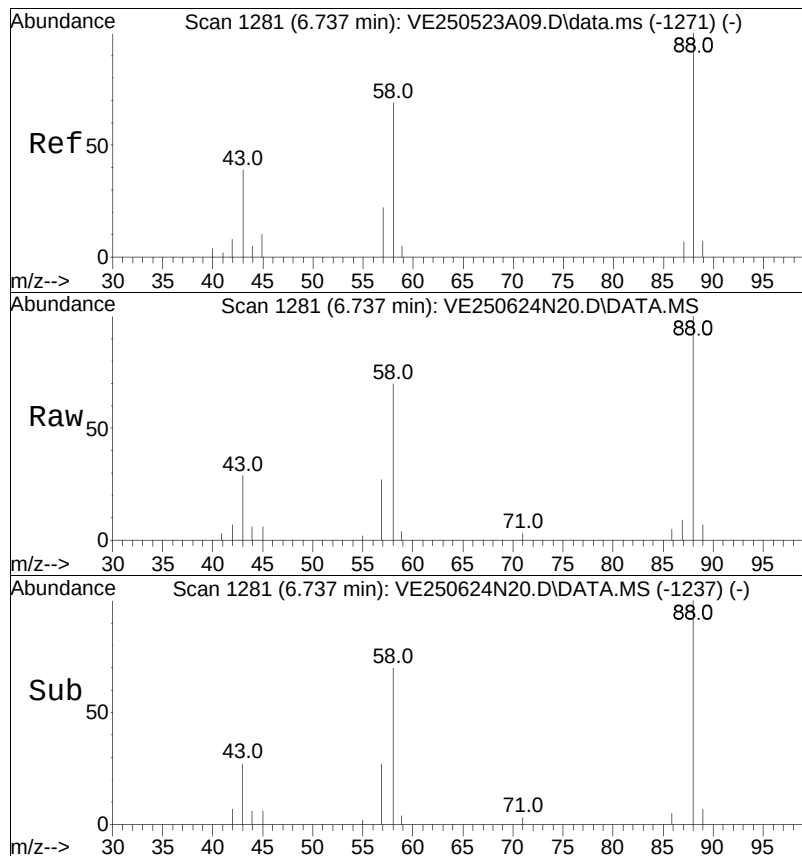
Delta R.T. -0.005 min

Lab File: VE250624N20.D

Acq: 25 Jun 2025 6:10 am

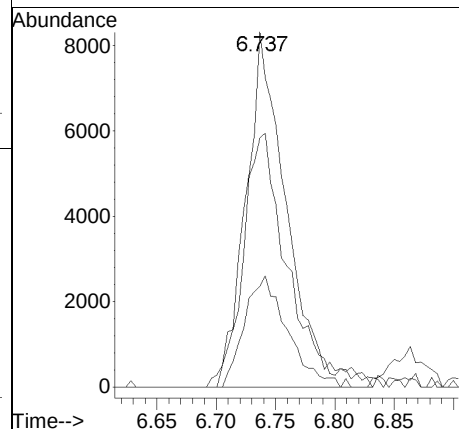
Tgt	Ion: 83	Resp:	75048
Ion	Ratio	Lower	Upper
83	100		
85	62.2	51.9	77.9
127	8.6	7.3	10.9

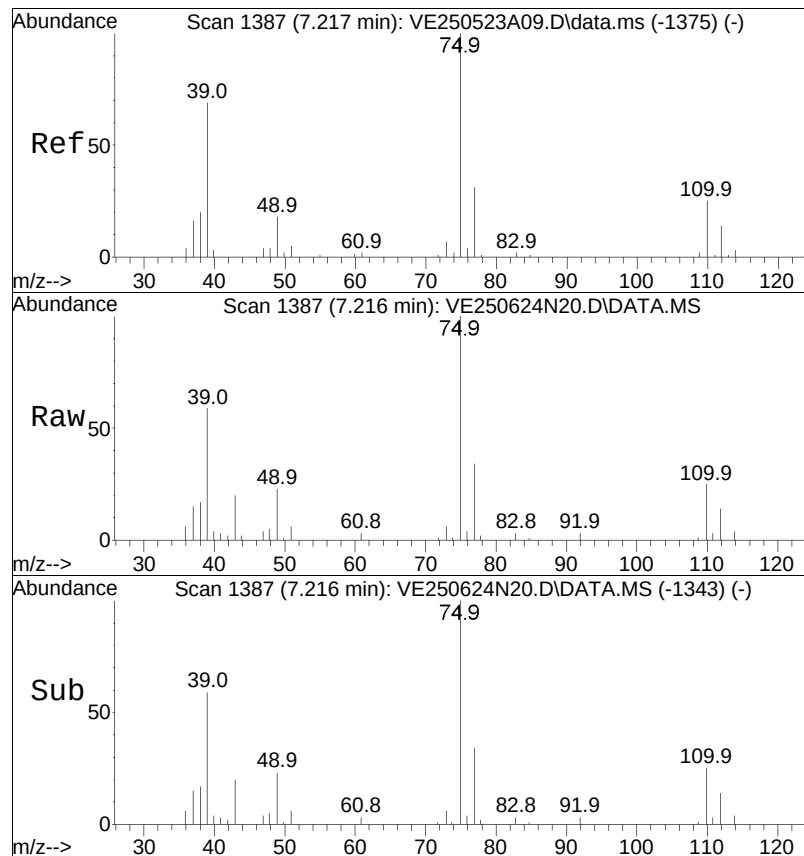




#61
 1,4-Dioxane
 Concen: 686.65 ug/L
 RT: 6.737 min Scan# 1281
 Delta R.T. -0.000 min
 Lab File: VE250624N20.D
 Acq: 25 Jun 2025 6:10 am

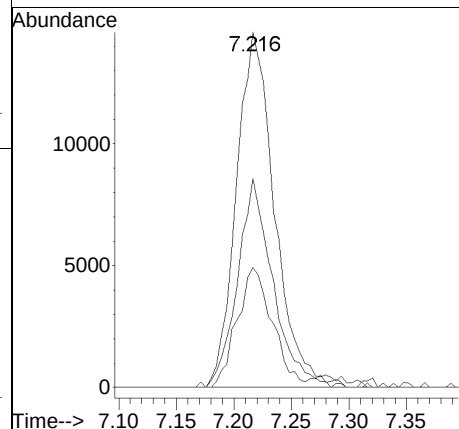
Tgt Ion	Ratio	Lower	Upper
88	100		
58	77.7	63.4	95.0
43	33.1	29.4	44.2

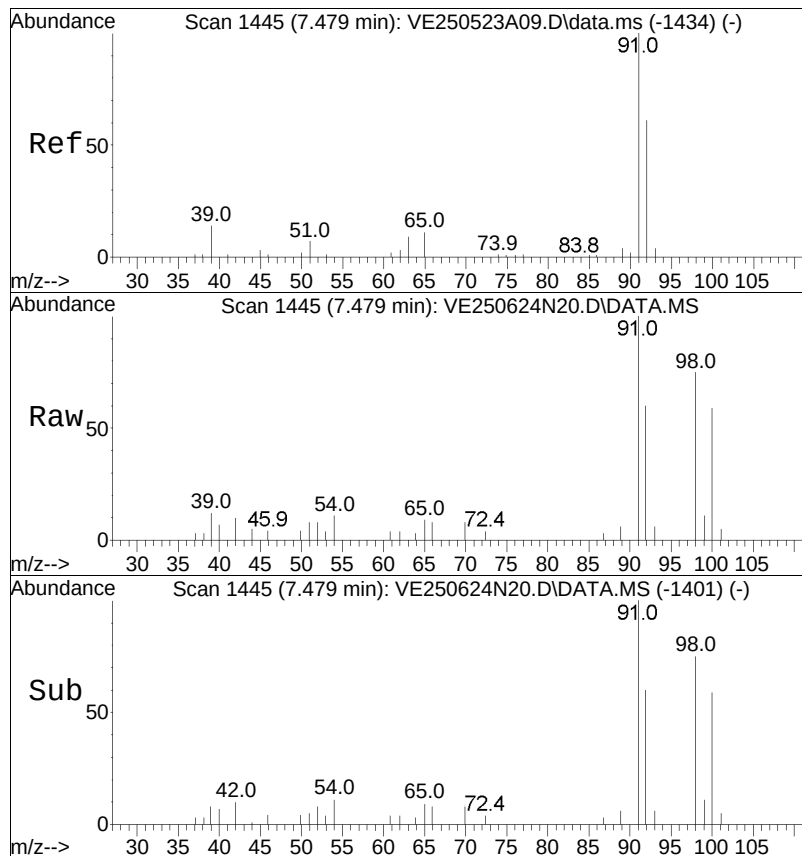




#62
 cis-1,3-Dichloropropene
 Concen: 3.84 ug/L
 RT: 7.216 min Scan# 1387
 Delta R.T. -0.000 min
 Lab File: VE250624N20.D
 Acq: 25 Jun 2025 6:10 am

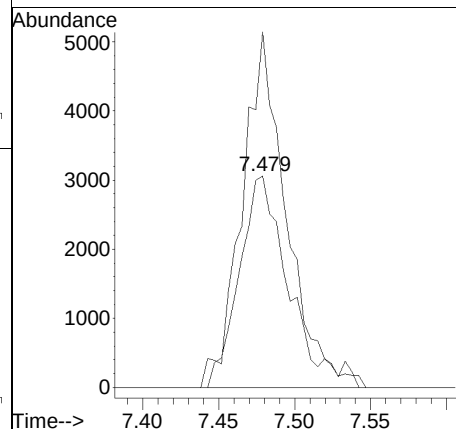
Tgt Ion	Ratio	Lower	Upper
75	100		
77	31.9	25.1	37.7
39	54.7	47.5	71.3

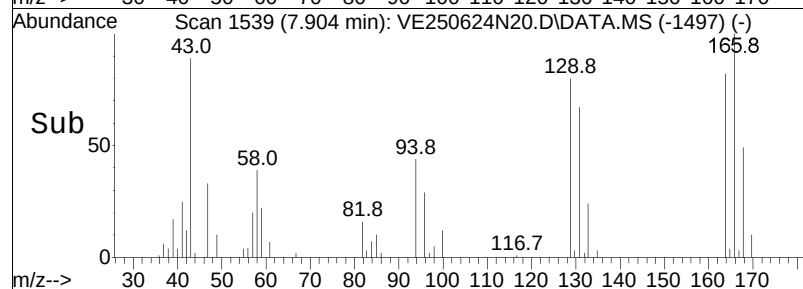
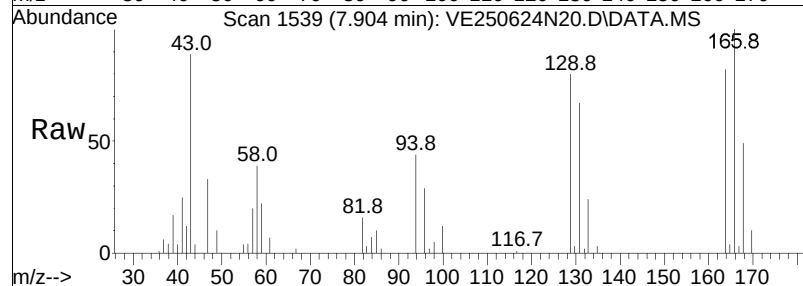
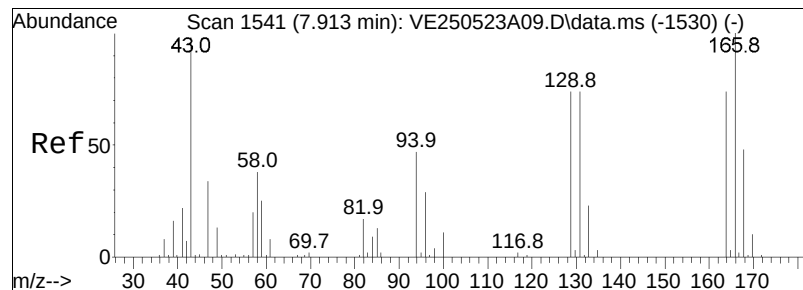




#65
Toluene
Concen: 0.44 ug/L
RT: 7.479 min Scan# 1445
Delta R.T. -0.000 min
Lab File: VE250624N20.D
Acq: 25 Jun 2025 6:10 am

Tgt Ion: 92 Resp: 6907
Ion Ratio Lower Upper
92 100
91 151.2 134.2 201.2





#66

4-Methyl-2-pentanone

Concen: 6.80 ug/L

RT: 7.904 min Scan# 1539

Delta R.T. -0.009 min

Lab File: VE250624N20.D

Acq: 25 Jun 2025 6:10 am

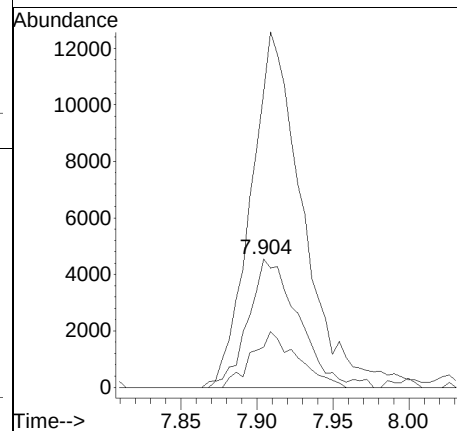
Tgt Ion: 58 Resp: 10518

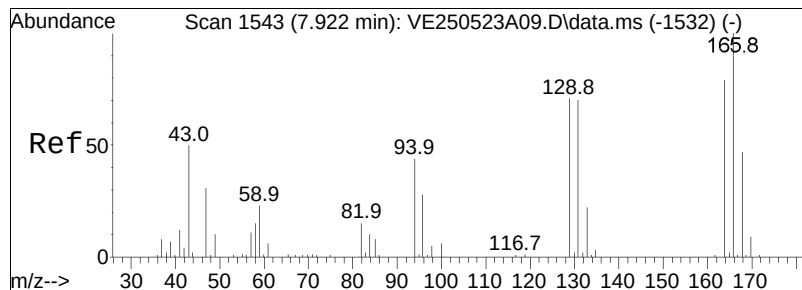
Ion Ratio Lower Upper

58 100

100 39.4 29.9 44.9

43 288.9 230.2 345.4





#67

Tetrachloroethene

Concen: 10.60 ug/L

RT: 7.922 min Scan# 1543

Delta R.T. -0.000 min

Lab File: VE250624N20.D

Acq: 25 Jun 2025 6:10 am

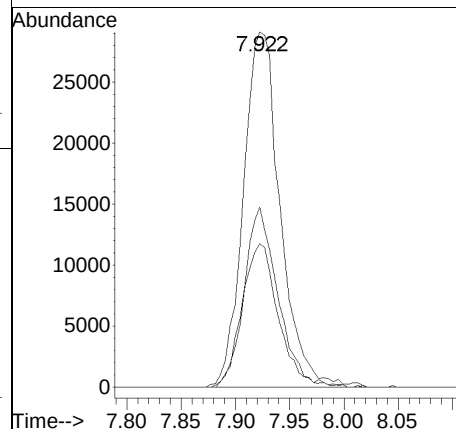
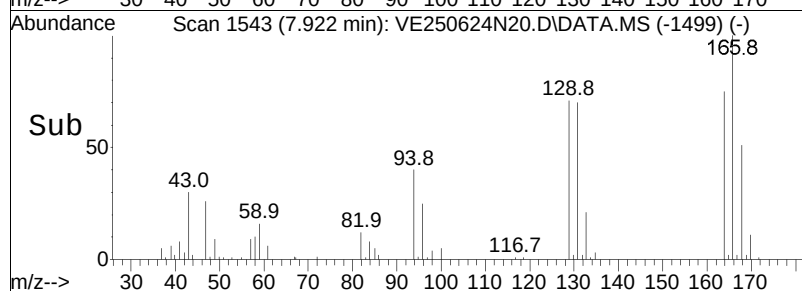
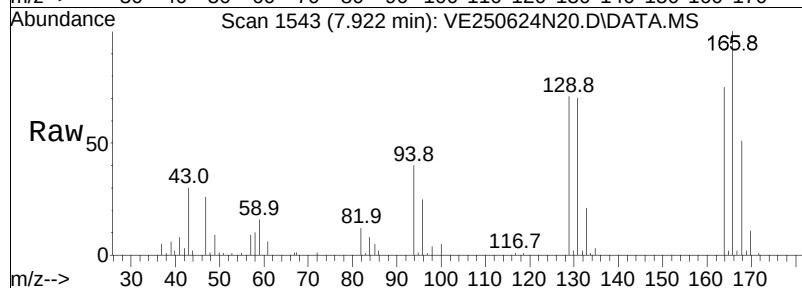
Tgt Ion:166 Resp: 69029

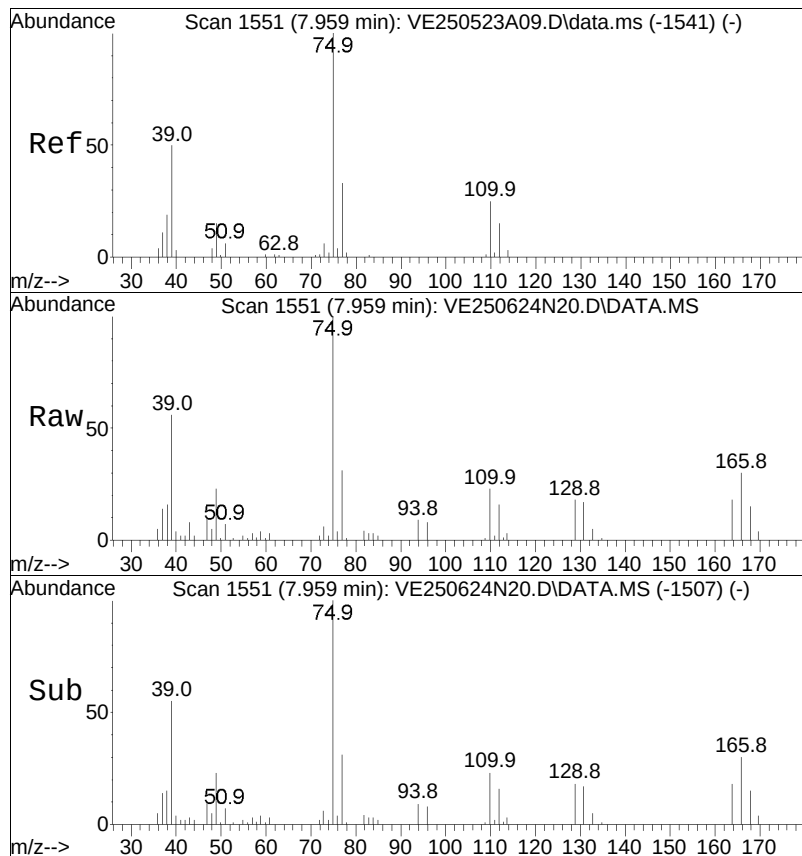
Ion Ratio Lower Upper

166 100

168 46.9 28.0 68.0

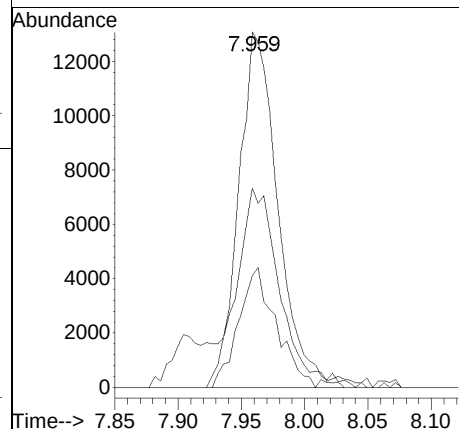
94 39.4 22.9 62.9

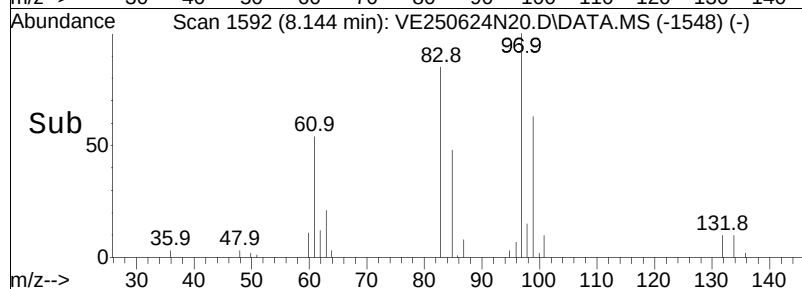
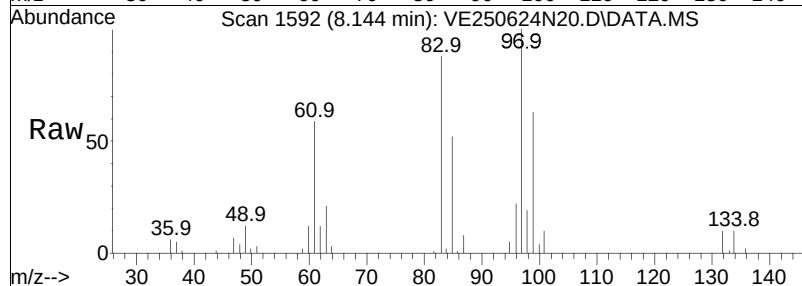
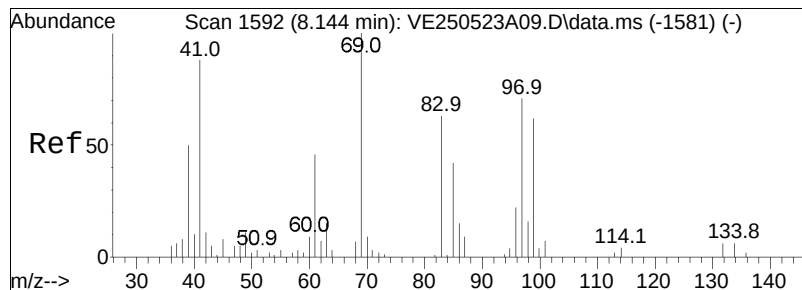




#69
 trans-1,3-Dichloropropene
 Concen: 3.75 ug/L
 RT: 7.959 min Scan# 1551
 Delta R.T. -0.000 min
 Lab File: VE250624N20.D
 Acq: 25 Jun 2025 6:10 am

Tgt Ion	Ratio	Lower	Upper
75	100		
77	32.1	11.2	51.2
39	58.9	36.8	76.8





#72

1,1,2-Trichloroethane

Concen: 8.82 ug/L

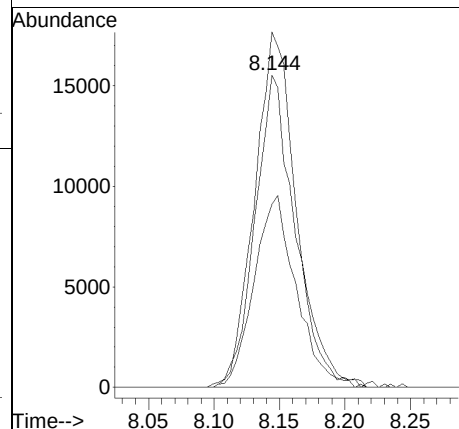
RT: 8.144 min Scan# 1592

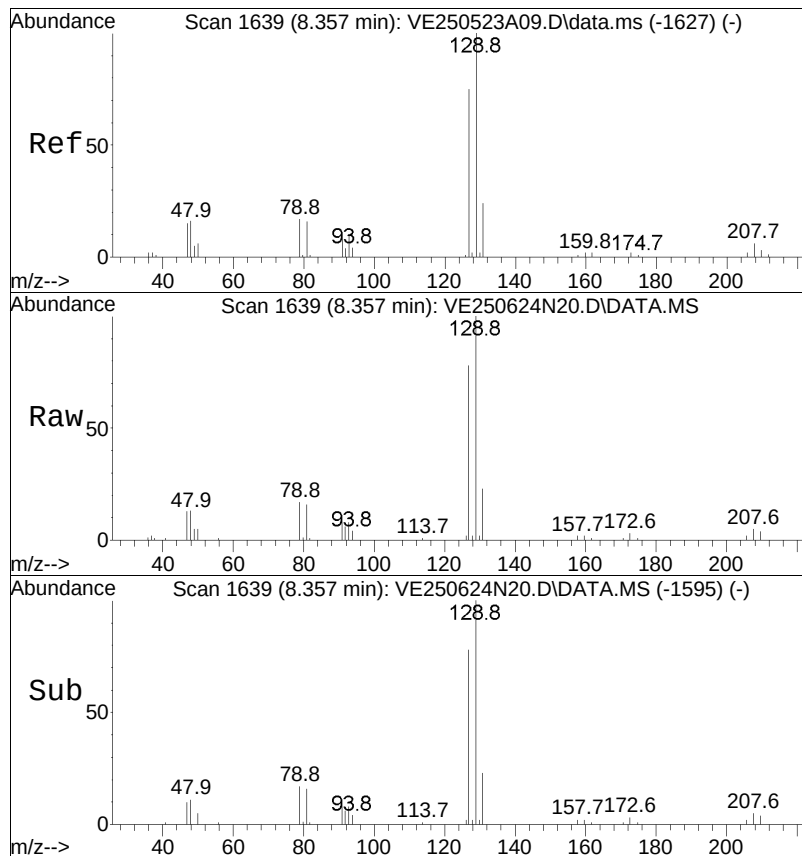
Delta R.T. -0.000 min

Lab File: VE250624N20.D

Acq: 25 Jun 2025 6:10 am

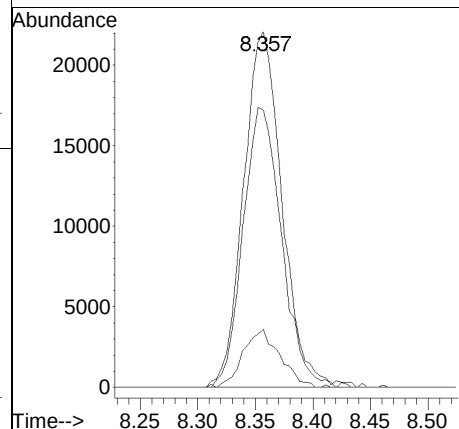
Tgt Ion:	83	Resp:	33098
Ion Ratio	Lower	Upper	
83	100		
97	119.1	93.6	133.6
85	64.8	44.0	84.0

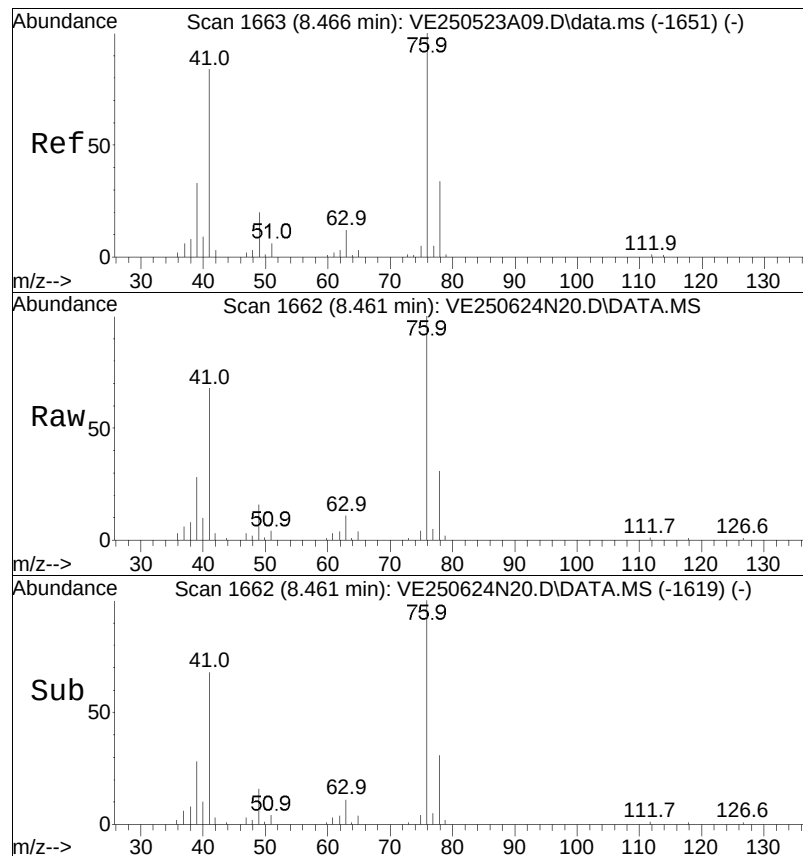




#73
 Chlorodibromomethane
 Concen: 8.81 ug/L
 RT: 8.357 min Scan# 1639
 Delta R.T. -0.000 min
 Lab File: VE250624N20.D
 Acq: 25 Jun 2025 6:10 am

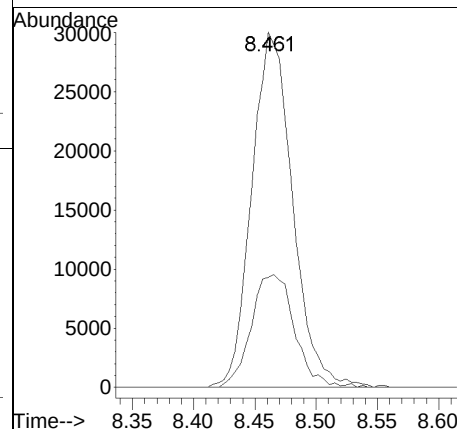
Tgt Ion	Ratio	Lower	Upper
129	100		
81	15.6	0.0	36.6
127	78.3	57.7	97.7

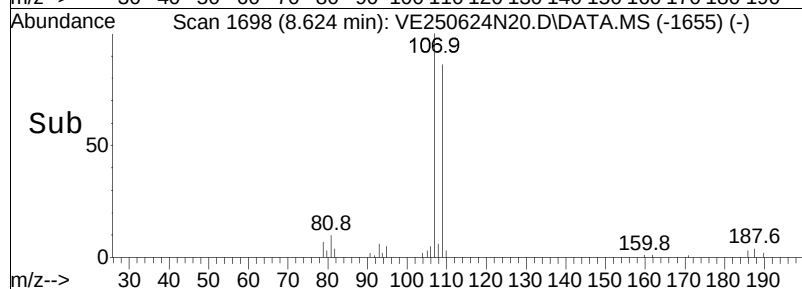
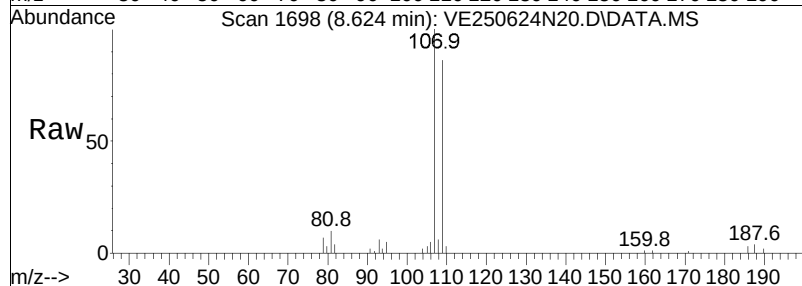
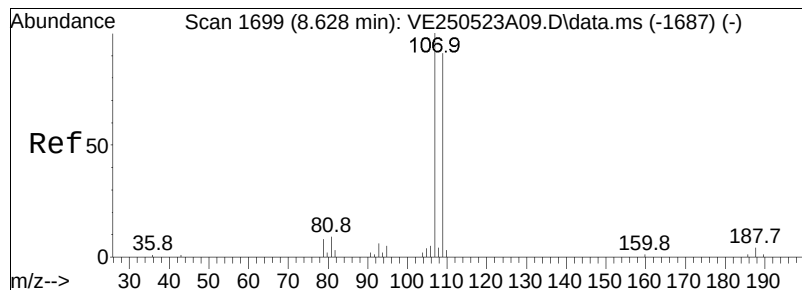




#74
 1,3-Dichloropropane
 Concen: 8.79 ug/L
 RT: 8.461 min Scan# 1662
 Delta R.T. -0.005 min
 Lab File: VE250624N20.D
 Acq: 25 Jun 2025 6:10 am

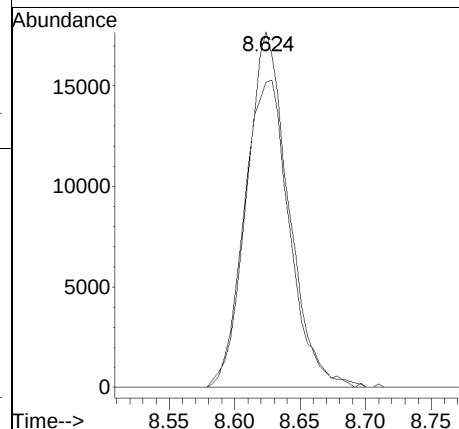
Tgt Ion: 76 Resp: 69623
 Ion Ratio Lower Upper
 76 100
 78 33.8 25.0 37.6

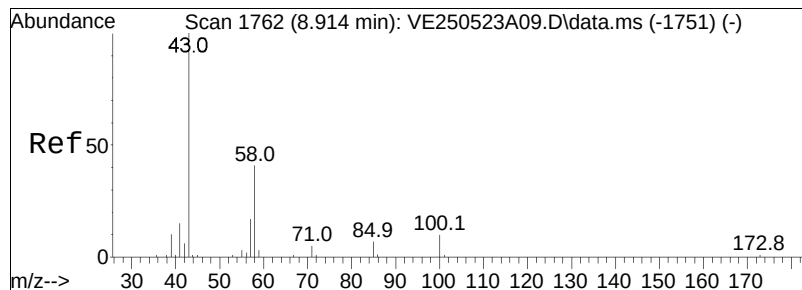




#75
 1,2-Dibromoethane
 Concen: 8.78 ug/L
 RT: 8.624 min Scan# 1698
 Delta R.T. -0.005 min
 Lab File: VE250624N20.D
 Acq: 25 Jun 2025 6:10 am

Tgt Ion	Ratio	Lower	Upper
107	100		
109	92.1	75.0	112.6





#77

2-Hexanone

Concen: 5.66 ug/L

RT: 8.909 min Scan# 1761

Delta R.T. -0.005 min

Lab File: VE250624N20.D

Acq: 25 Jun 2025 6:10 am

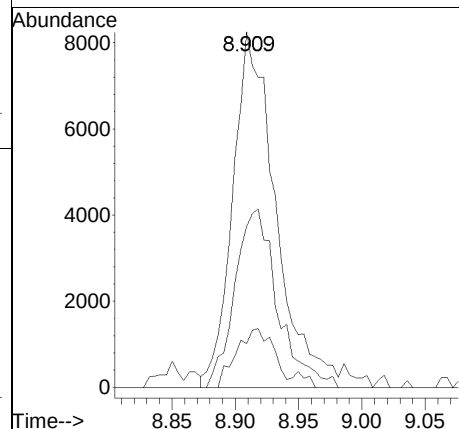
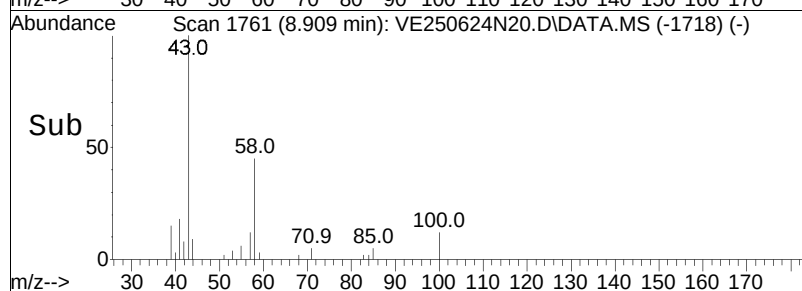
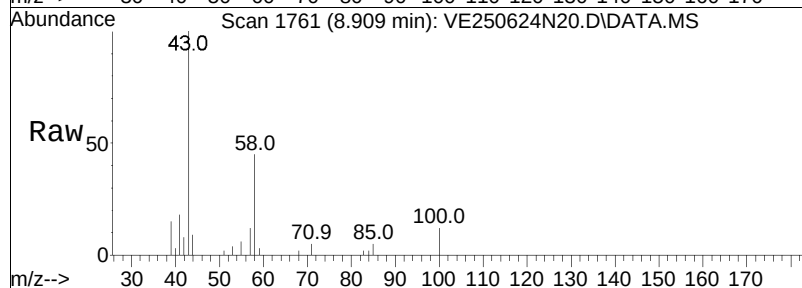
Tgt Ion: 43 Resp: 19856

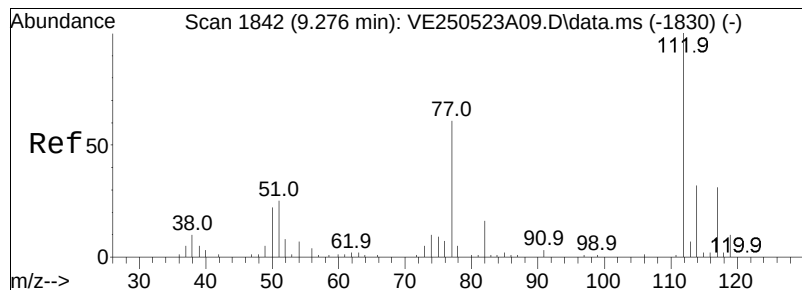
Ion Ratio Lower Upper

43 100

58 48.8 38.6 58.0

57 15.4 14.5 21.7





#78

Chlorobenzene

Concen: 9.76 ug/L

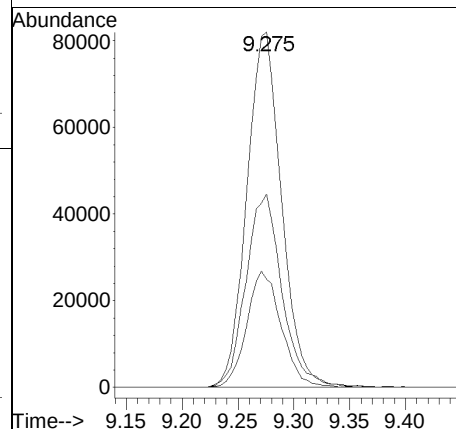
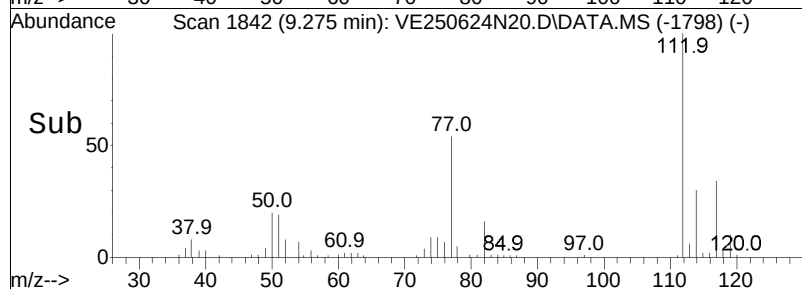
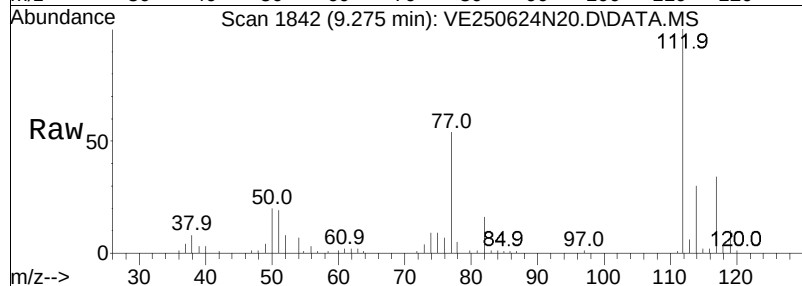
RT: 9.275 min Scan# 1842

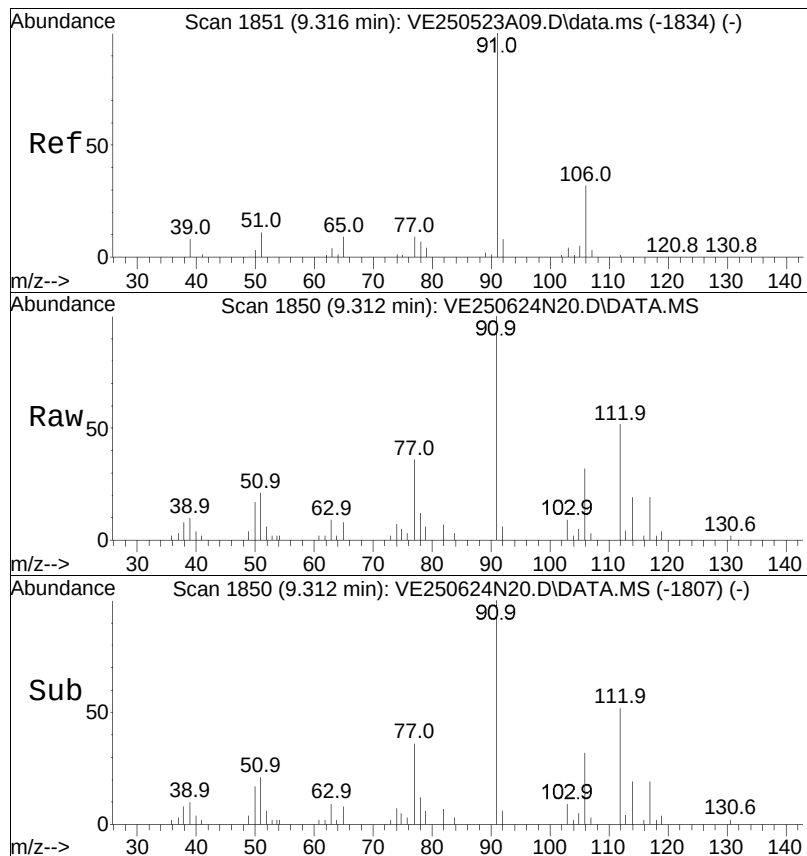
Delta R.T. -0.000 min

Lab File: VE250624N20.D

Acq: 25 Jun 2025 6:10 am

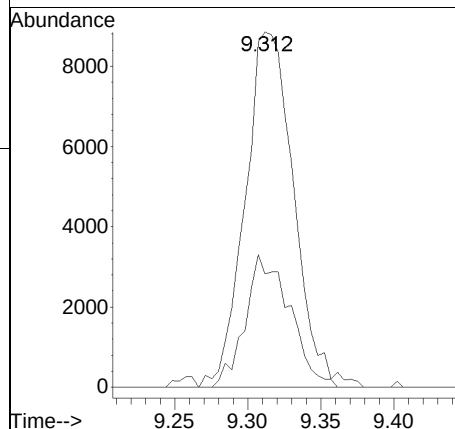
Tgt	Ion:112	Resp:	177835
Ion	Ratio	Lower	Upper
112	100		
77	56.7	61.7	92.5#
114	32.5	25.5	38.3

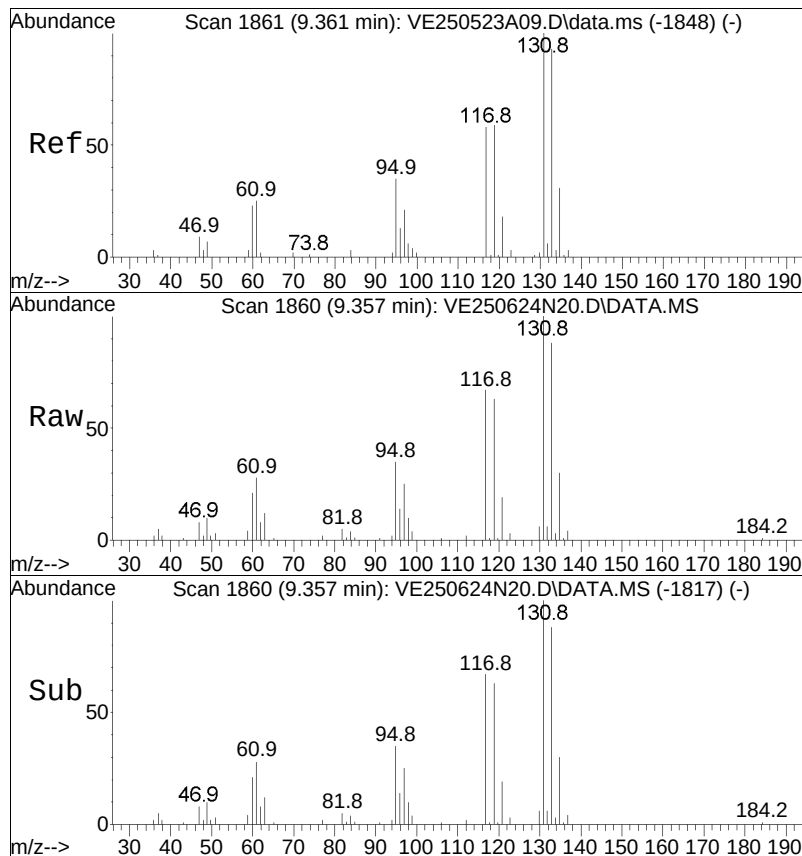




#79
 Ethylbenzene
 Concen: 0.64 ug/L
 RT: 9.312 min Scan# 1850
 Delta R.T. -0.005 min
 Lab File: VE250624N20.D
 Acq: 25 Jun 2025 6:10 am

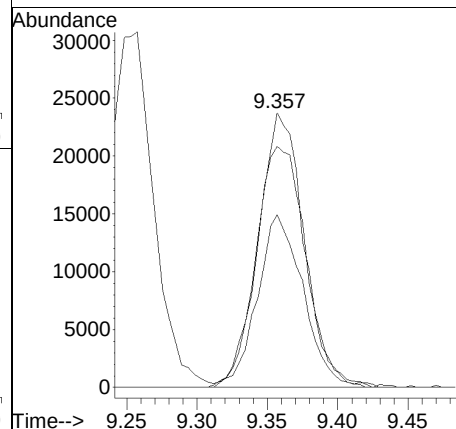
Tgt	Ion	Resp	Lower	Upper
91	100	20515		
106	34.0	24.7	37.1	

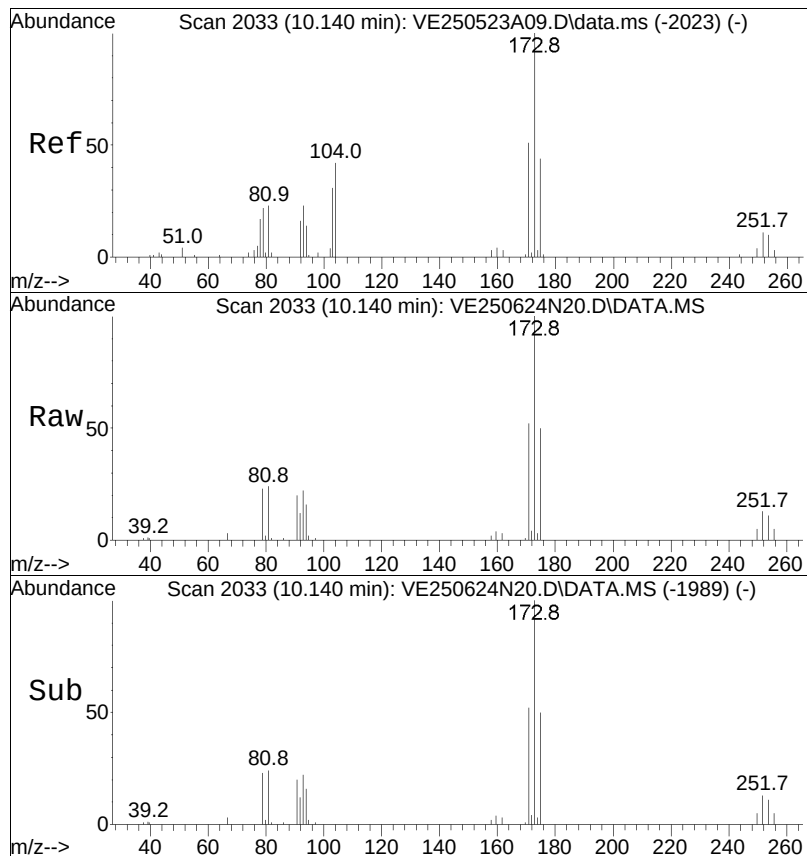




#80
 1,1,1,2-Tetrachloroethane
 Concen: 9.01 ug/L
 RT: 9.357 min Scan# 1860
 Delta R.T. -0.005 min
 Lab File: VE250624N20.D
 Acq: 25 Jun 2025 6:10 am

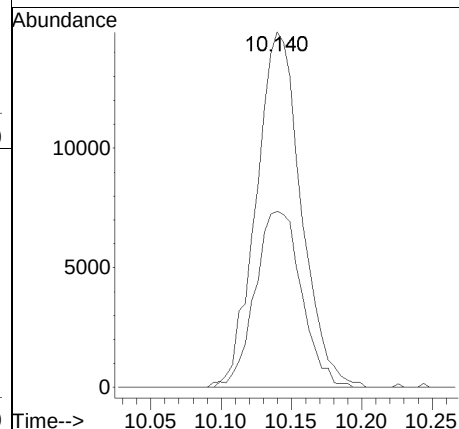
Tgt Ion:	131	Resp:	54085
Ion Ratio	Lower	Upper	
131	100		
133	94.6	77.8	117.8
119	62.4	41.2	81.2

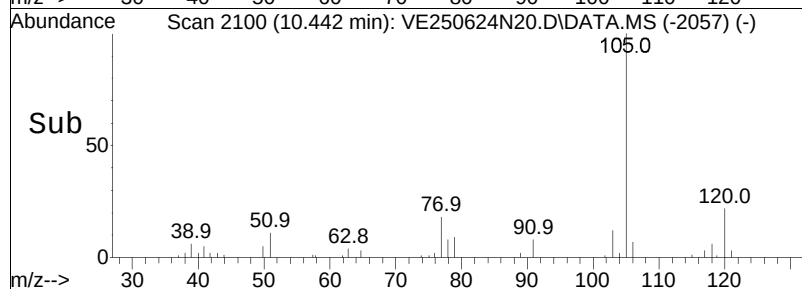
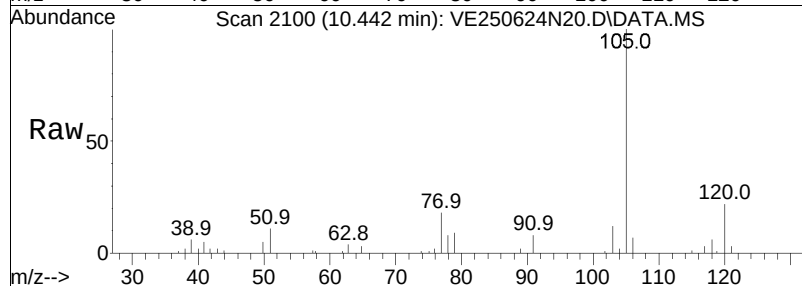
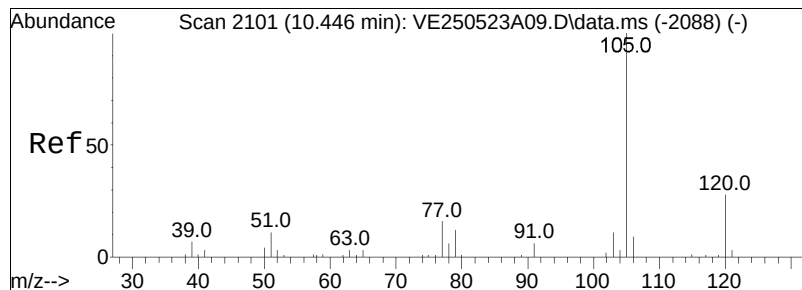




#85
 Bromoform
 Concen: 8.35 ug/L
 RT: 10.140 min Scan# 2033
 Delta R.T. -0.000 min
 Lab File: VE250624N20.D
 Acq: 25 Jun 2025 6:10 am

Tgt Ion	Ratio	Lower	Upper
173	100		
175	51.1	25.9	65.9





#87

Isopropylbenzene

Concen: 0.71 ug/L

RT: 10.442 min Scan# 2100

Delta R.T. -0.005 min

Lab File: VE250624N20.D

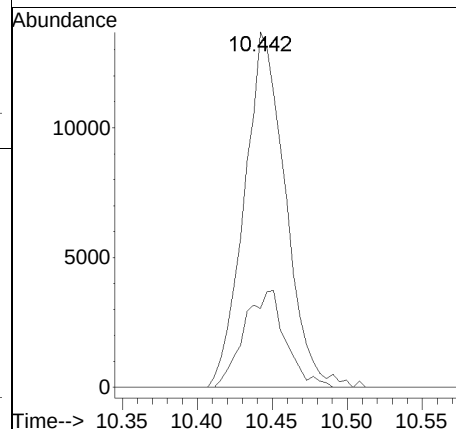
Acq: 25 Jun 2025 6:10 am

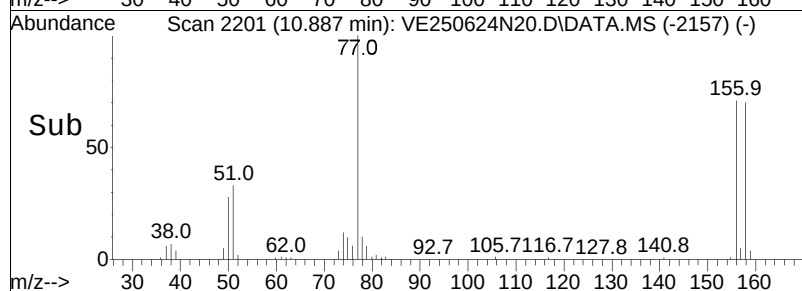
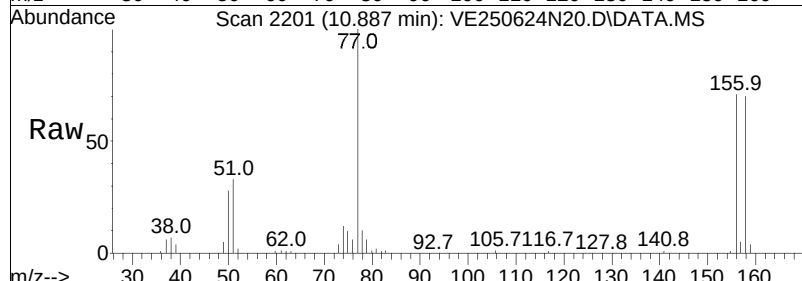
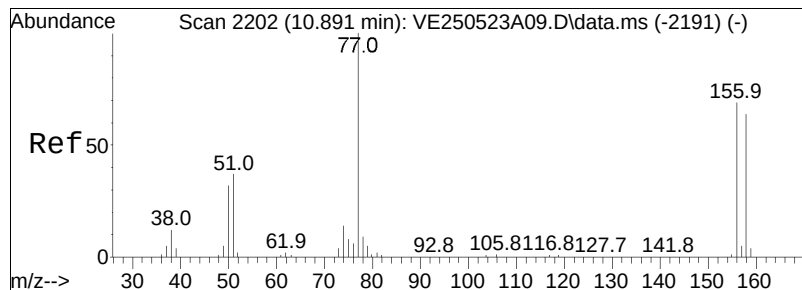
Tgt Ion:105 Resp: 26244

Ion Ratio Lower Upper

105 100

120 27.6 6.4 46.4





#89

Bromobenzene

Concen: 7.51 ug/L

RT: 10.887 min Scan# 2201

Delta R.T. -0.005 min

Lab File: VE250624N20.D

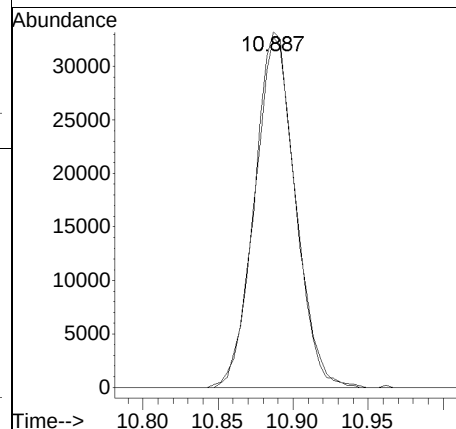
Acq: 25 Jun 2025 6:10 am

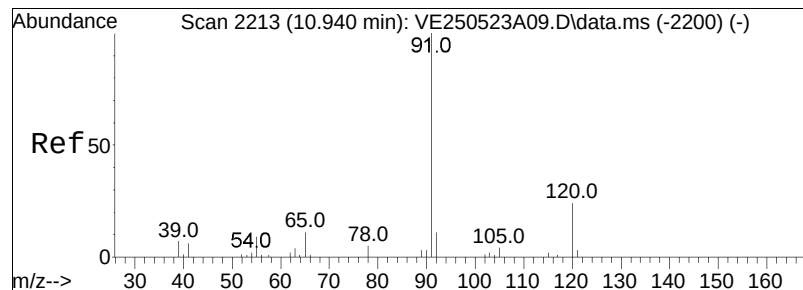
Tgt Ion:156 Resp: 63021

Ion Ratio Lower Upper

156 100

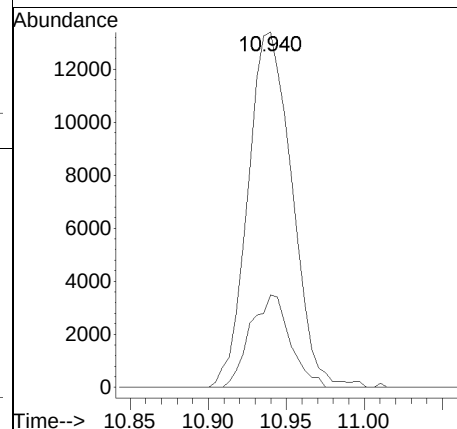
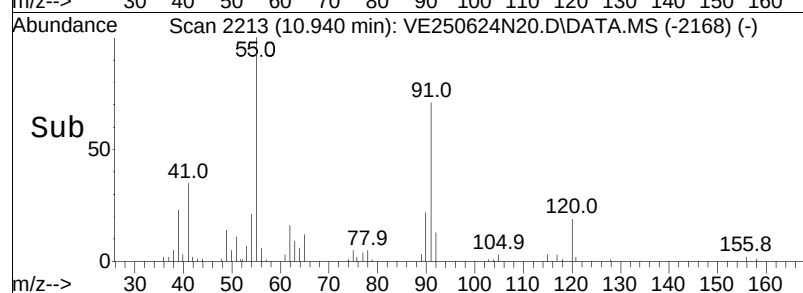
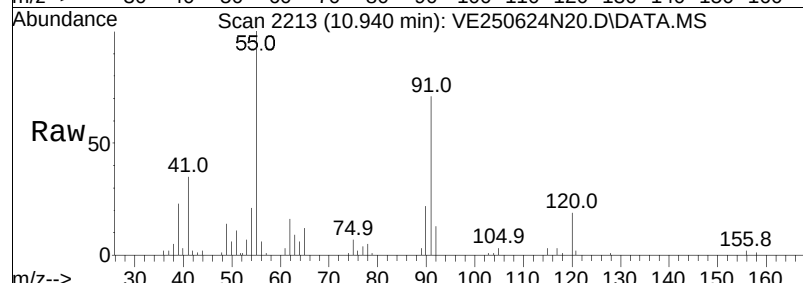
158 97.4 78.0 117.0

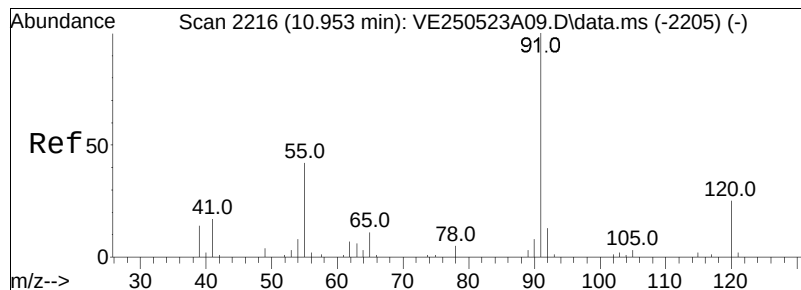




#90
 n-Propylbenzene
 Concen: 0.61 ug/L
 RT: 10.940 min Scan# 2213
 Delta R.T. -0.000 min
 Lab File: VE250624N20.D
 Acq: 25 Jun 2025 6:10 am

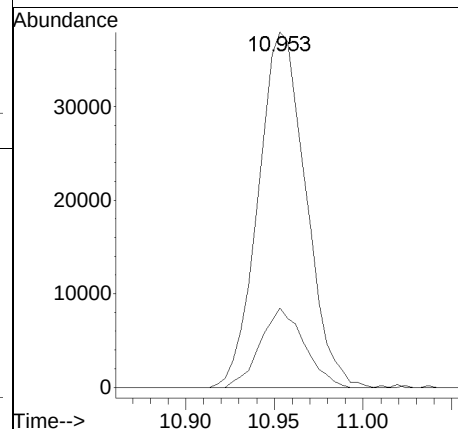
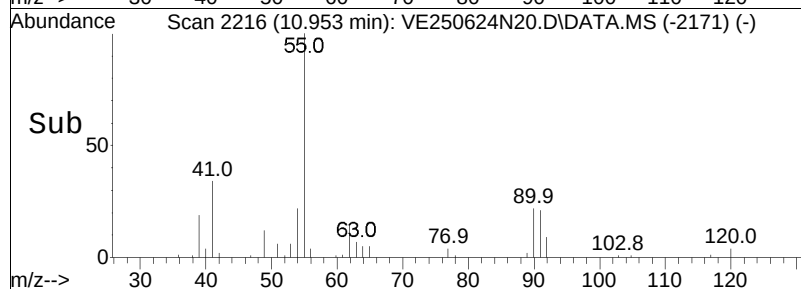
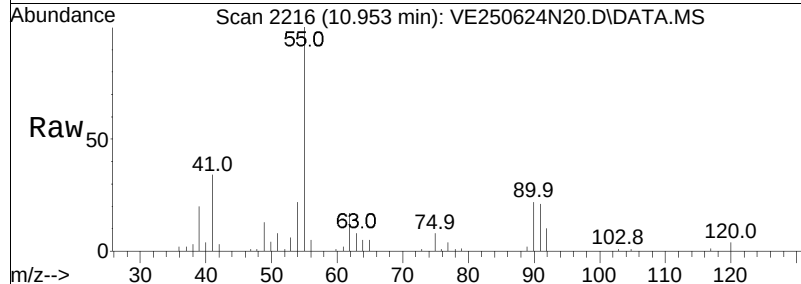
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.6	18.5	27.7

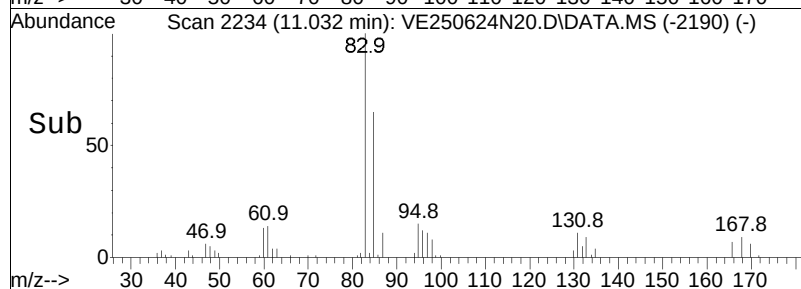
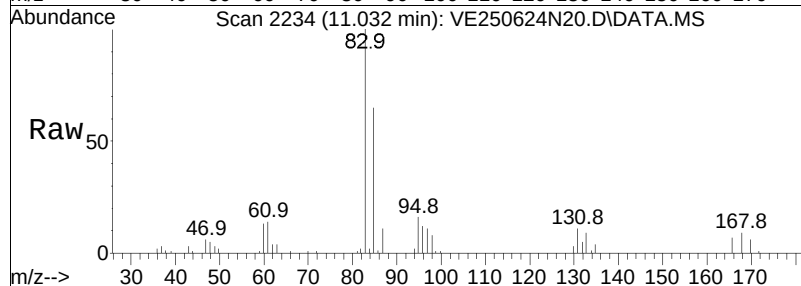
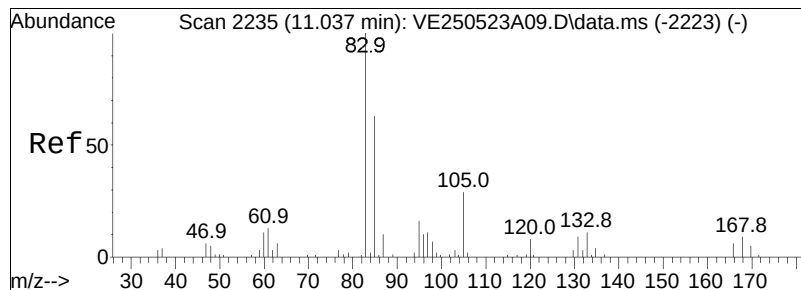




#91
 1,4-Dichlorobutane
 Concen: 6.97 ug/L
 RT: 10.953 min Scan# 2216
 Delta R.T. -0.000 min
 Lab File: VE250624N20.D
 Acq: 25 Jun 2025 6:10 am

Tgt Ion	Ratio	Lower	Upper
55	100		
54	20.7	16.9	25.3





#92

1,1,2,2-Tetrachloroethane

Concen: 8.78 ug/L

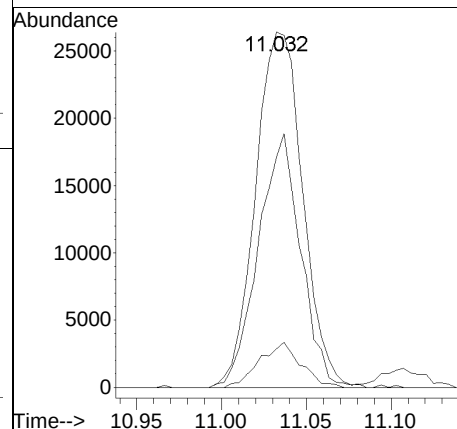
RT: 11.032 min Scan# 2234

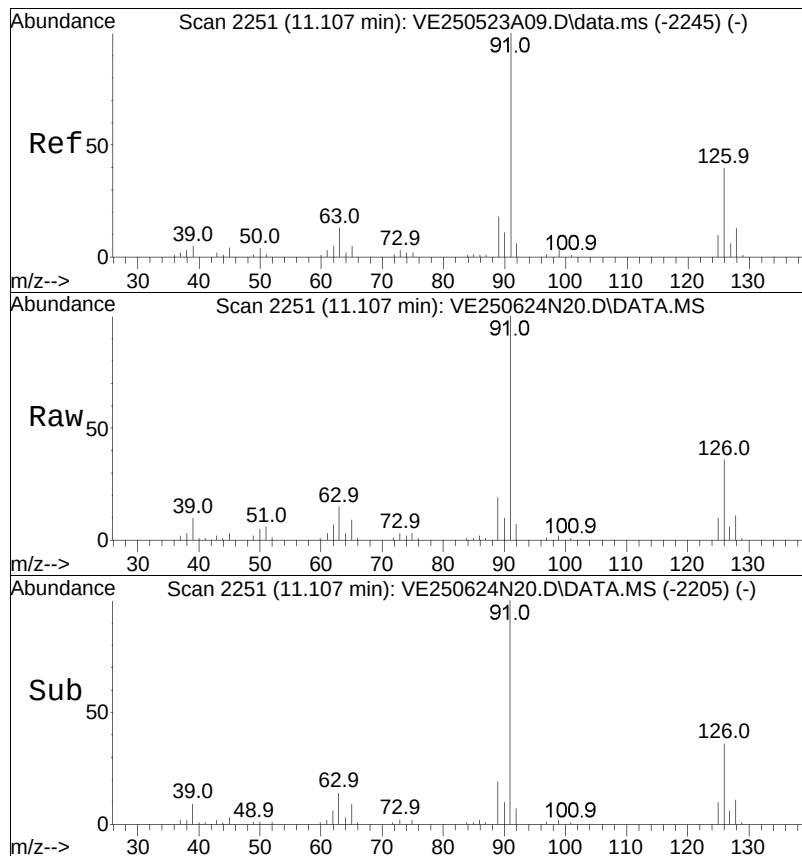
Delta R.T. -0.005 min

Lab File: VE250624N20.D

Acq: 25 Jun 2025 6:10 am

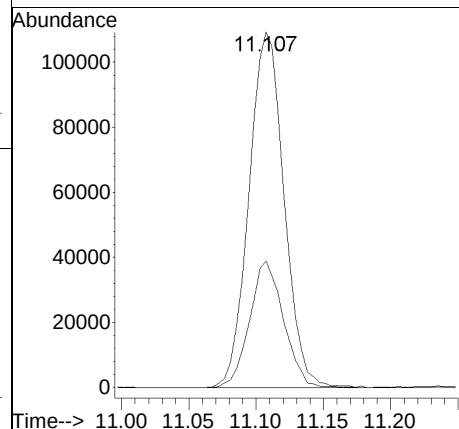
Tgt Ion:	83	Resp:	51140
Ion Ratio	Lower	Upper	
83	100		
131	11.1	0.0	30.3
85	64.2	46.4	86.4

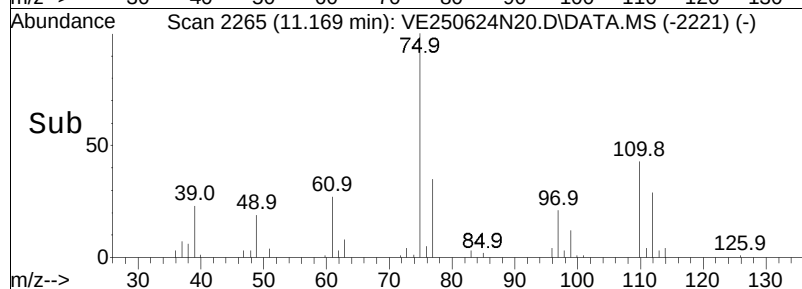
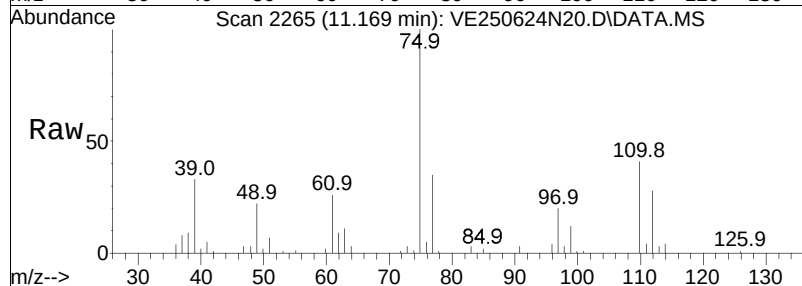
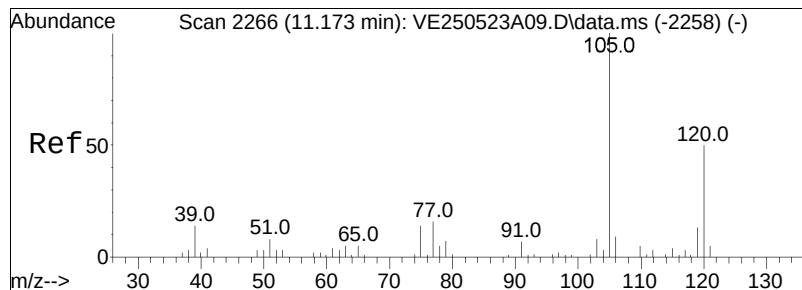




#94
 2-Chlorotoluene
 Concen: 7.70 ug/L
 RT: 11.107 min Scan# 2251
 Delta R.T. -0.000 min
 Lab File: VE250624N20.D
 Acq: 25 Jun 2025 6:10 am

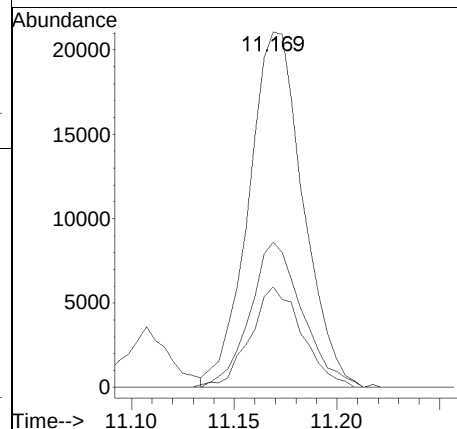
Tgt	Ion	Resp	Lower	Upper
91	100	197676		
126	34.4	27.1	40.7	

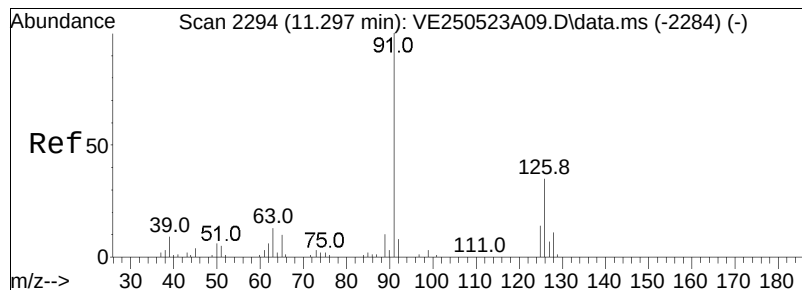




#96
 1,2,3-Trichloropropane
 Concen: 7.70 ug/L
 RT: 11.169 min Scan# 2265
 Delta R.T. -0.005 min
 Lab File: VE250624N20.D
 Acq: 25 Jun 2025 6:10 am

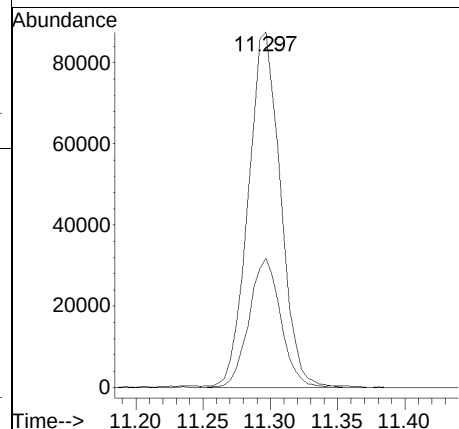
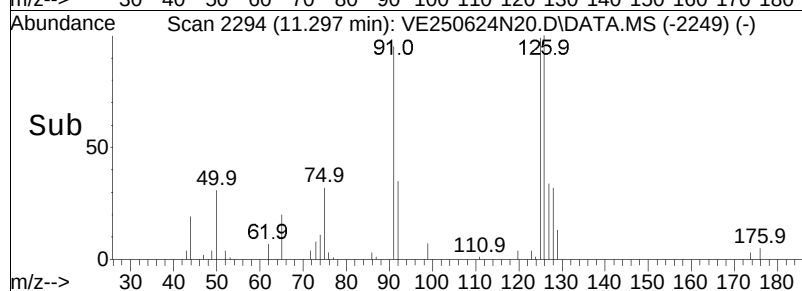
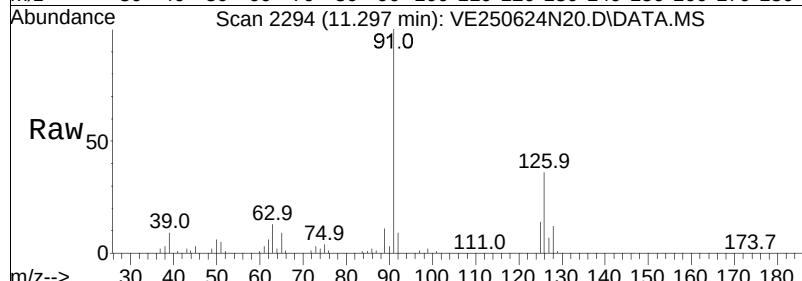
Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.3	22.8	47.4
112	26.9	14.9	30.9

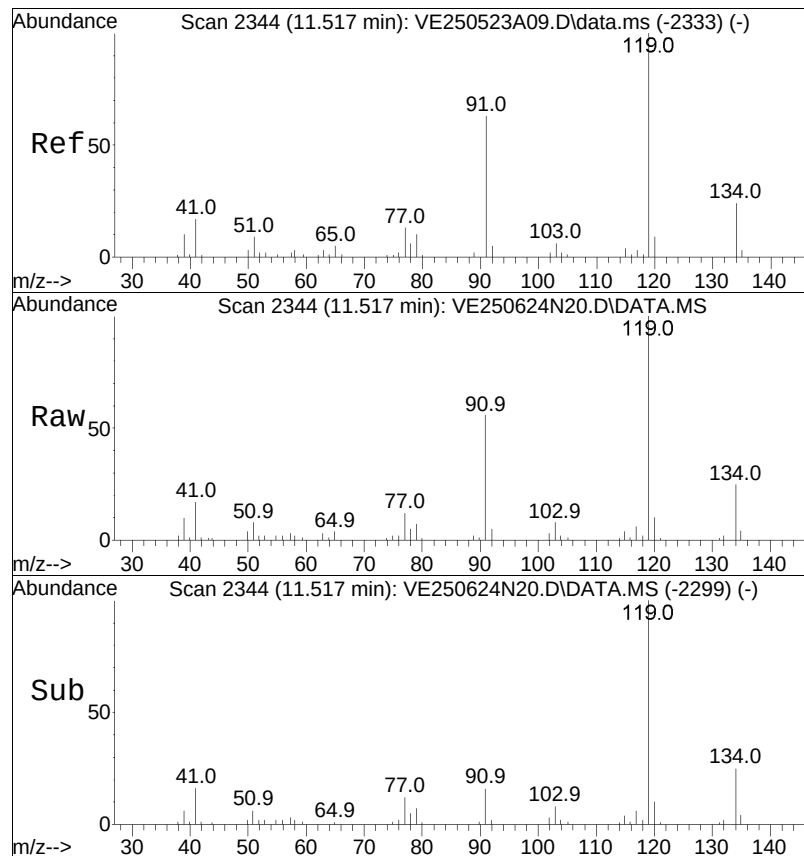




#98
 4-Chlorotoluene
 Concen: 5.49 ug/L
 RT: 11.297 min Scan# 2294
 Delta R.T. -0.000 min
 Lab File: VE250624N20.D
 Acq: 25 Jun 2025 6:10 am

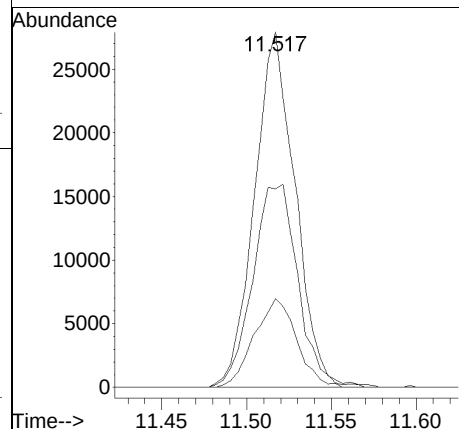
Tgt Ion	Ratio	Lower	Upper
91	100		
126	35.6	26.2	39.4

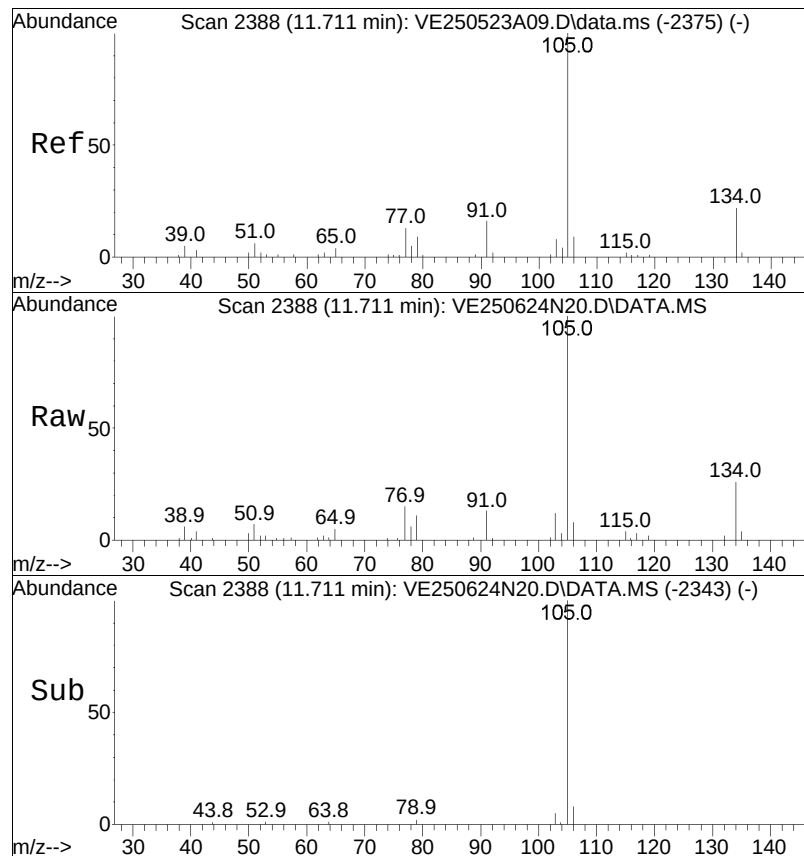




#99
 tert-Butylbenzene
 Concen: 1.66 ug/L
 RT: 11.517 min Scan# 2344
 Delta R.T. -0.000 min
 Lab File: VE250624N20.D
 Acq: 25 Jun 2025 6:10 am

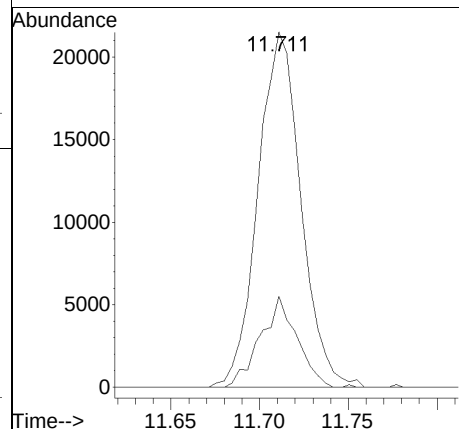
Tgt Ion	Ratio	Lower	Upper
119	100		
91	63.4	55.4	83.0
134	26.0	21.8	32.6

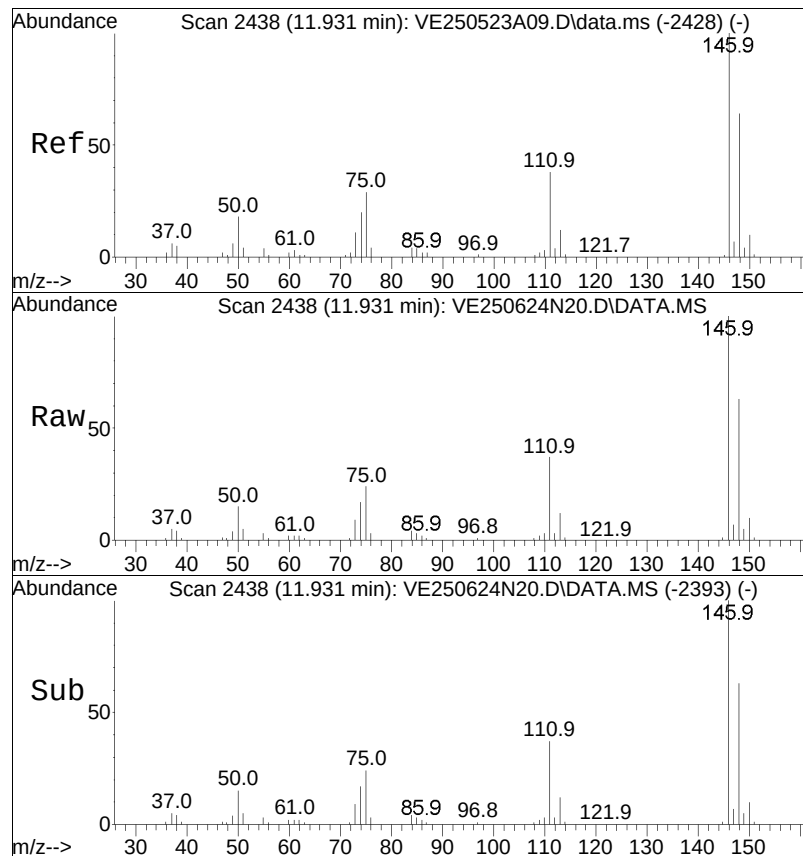




#103
 sec-Butylbenzene
 Concen: 0.90 ug/L
 RT: 11.711 min Scan# 2388
 Delta R.T. -0.000 min
 Lab File: VE250624N20.D
 Acq: 25 Jun 2025 6:10 am

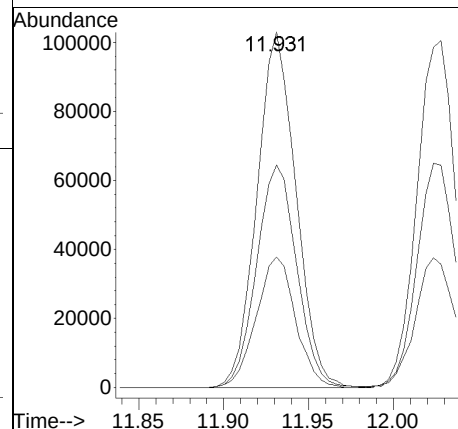
Tgt	Ion	Ratio	Lower	Upper
105	100			
134	21.8	13.9	28.9	

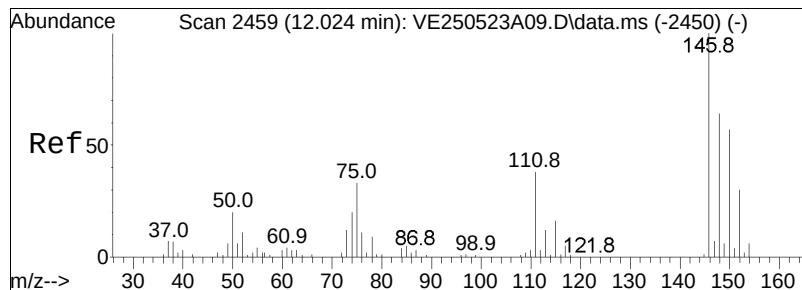




#105
 1,3-Dichlorobenzene
 Concen: 8.88 ug/L
 RT: 11.931 min Scan# 2438
 Delta R.T. -0.000 min
 Lab File: VE250624N20.D
 Acq: 25 Jun 2025 6:10 am

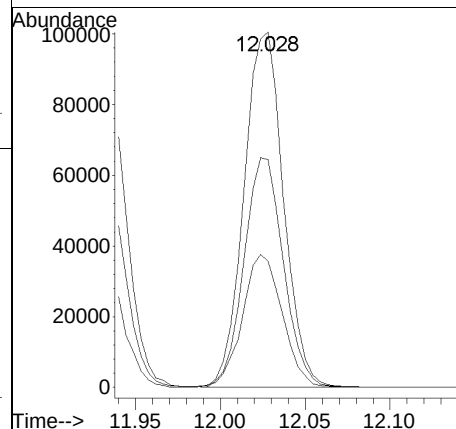
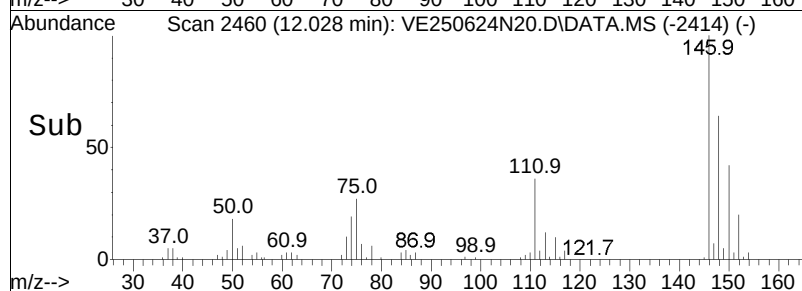
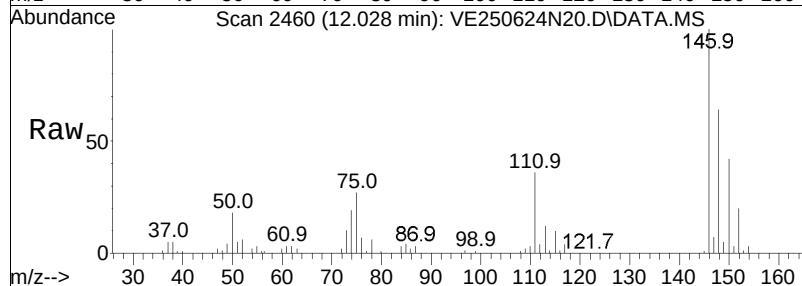
Tgt Ion	Ratio	Lower	Upper
146	100		
111	36.9	26.0	54.0
148	64.3	42.1	87.5

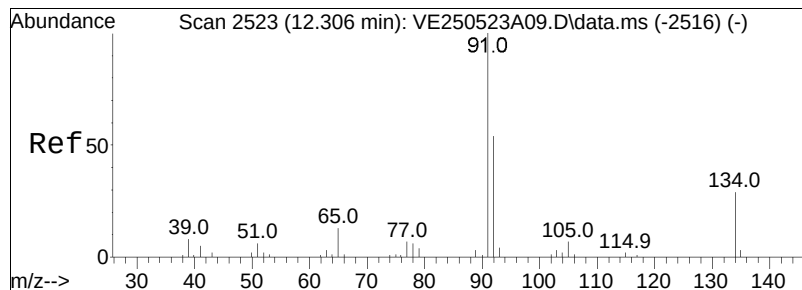




#106
 1,4-Dichlorobenzene
 Concen: 8.91 ug/L
 RT: 12.028 min Scan# 2460
 Delta R.T. 0.004 min
 Lab File: VE250624N20.D
 Acq: 25 Jun 2025 6:10 am

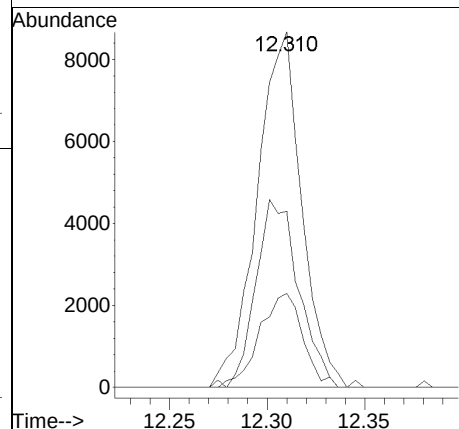
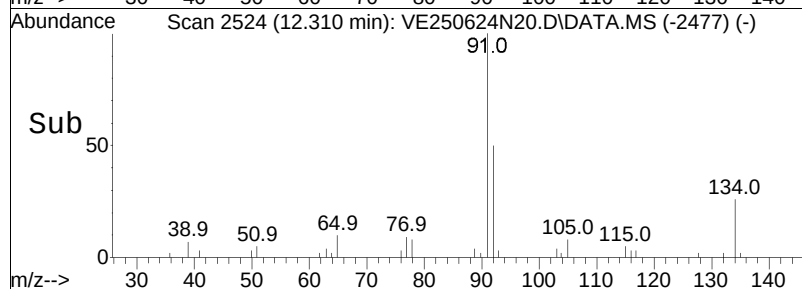
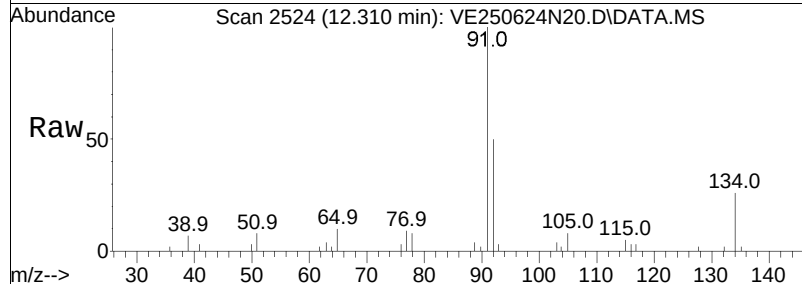
Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.8	30.0	45.0
148	64.6	51.2	76.8

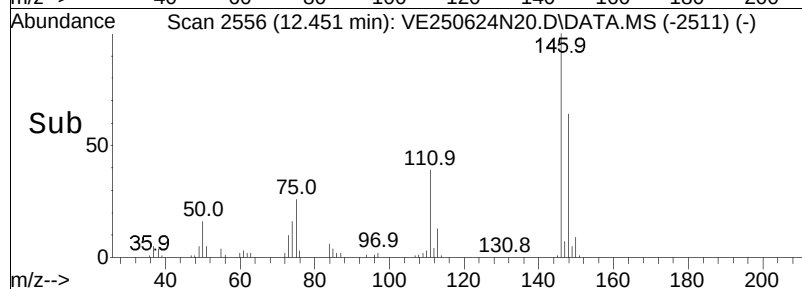
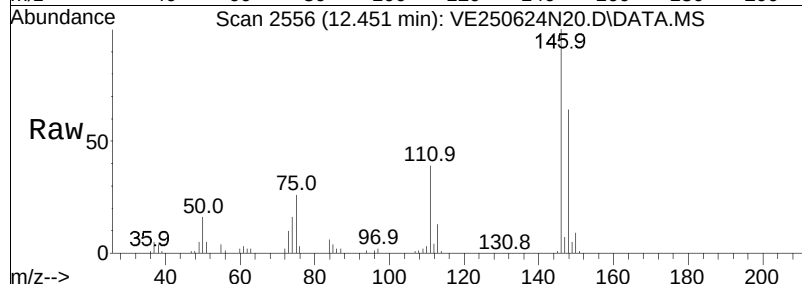
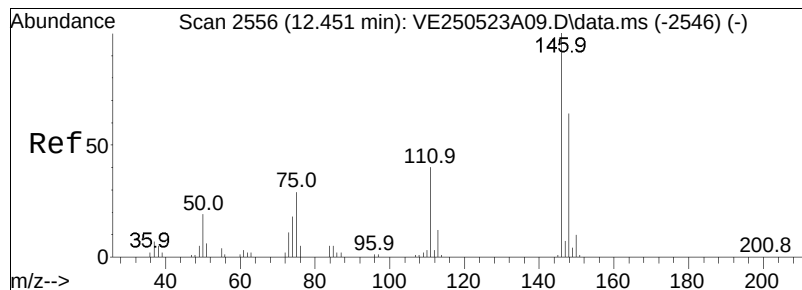




#108
 n-Butylbenzene
 Concen: 0.47 ug/L
 RT: 12.310 min Scan# 2524
 Delta R.T. 0.004 min
 Lab File: VE250624N20.D
 Acq: 25 Jun 2025 6:10 am

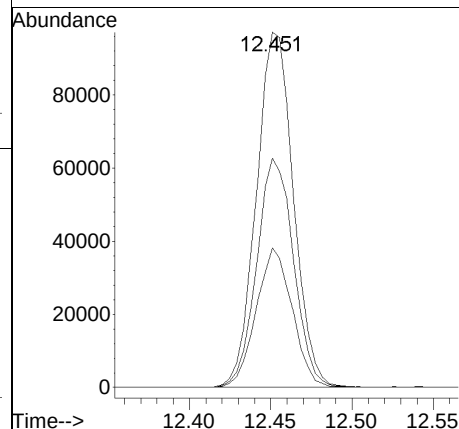
Tgt Ion:	91	Resp:	13792
Ion Ratio	Lower	Upper	
91	100		
92	50.8	43.1	64.7
134	25.7	21.7	32.5

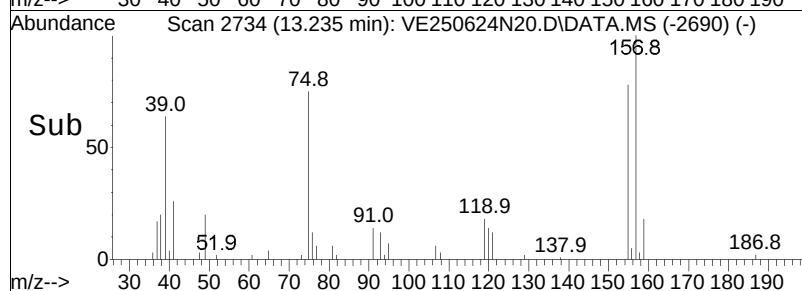
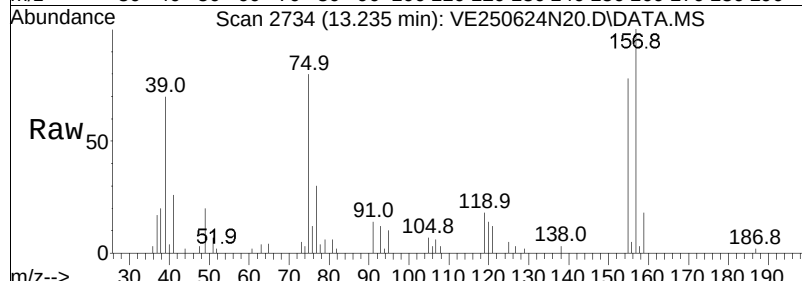
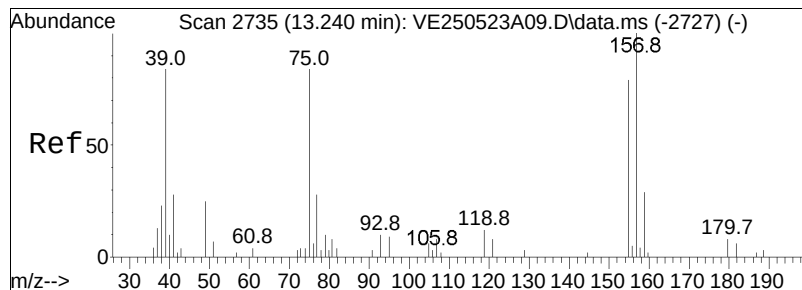




#109
 1,2-Dichlorobenzene
 Concen: 8.94 ug/L
 RT: 12.451 min Scan# 2556
 Delta R.T. -0.000 min
 Lab File: VE250624N20.D
 Acq: 25 Jun 2025 6:10 am

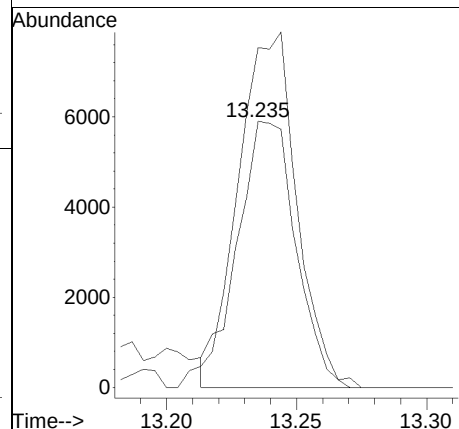
Tgt	Ion:146	Resp:	154290
Ion	Ratio	Lower	Upper
146	100		
111	38.2	26.1	54.1
148	64.1	41.7	86.5

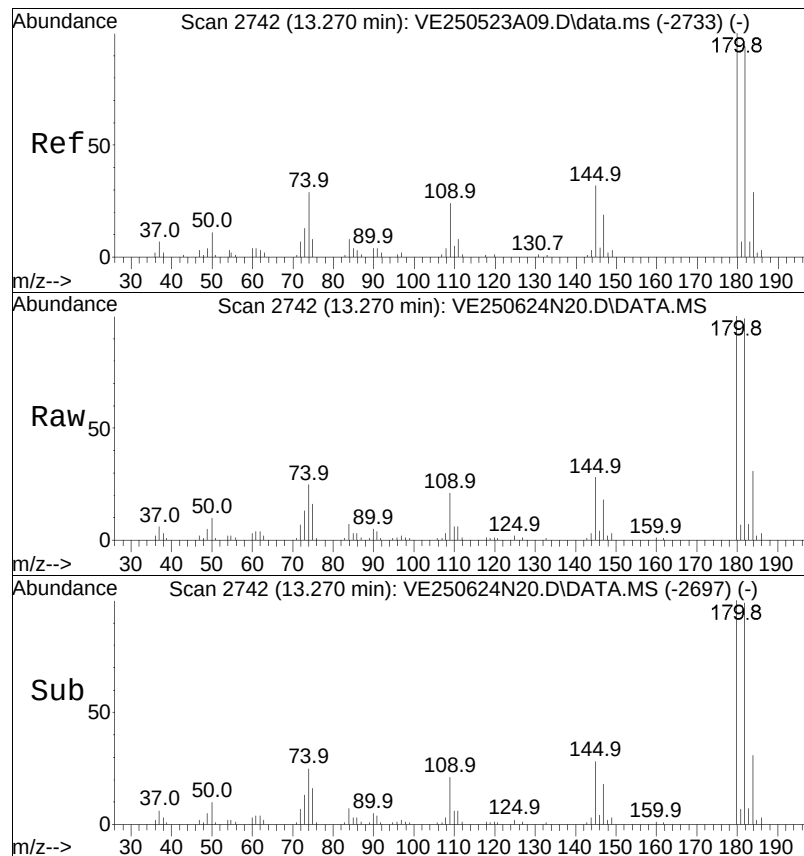




#111
 1,2-Dibromo-3-chloropropane
 Concen: 8.78 ug/L
 RT: 13.235 min Scan# 2734
 Delta R.T. -0.004 min
 Lab File: VE250624N20.D
 Acq: 25 Jun 2025 6:10 am

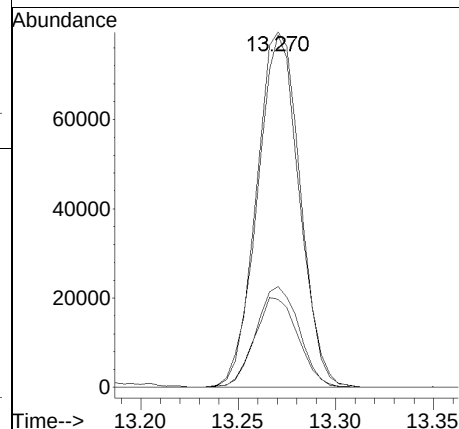
Tgt Ion	Ratio	Lower	Upper
155	100		
157	134.3	99.5	149.3

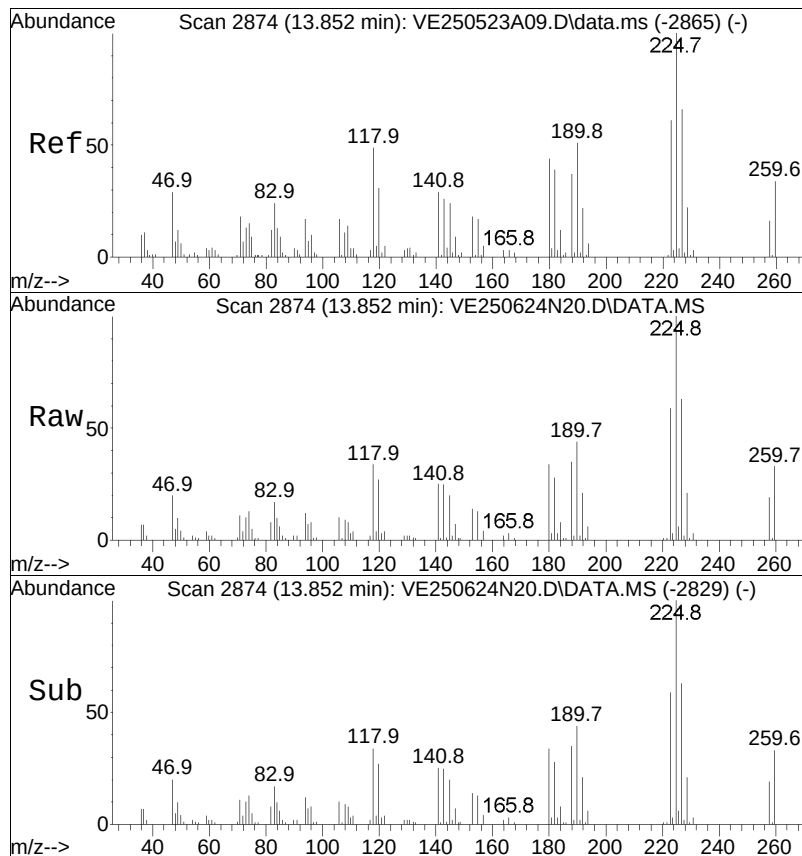




#112
 1,3,5-Trichlorobenzene
 Concen: 9.92 ug/L
 RT: 13.270 min Scan# 2742
 Delta R.T. -0.000 min
 Lab File: VE250624N20.D
 Acq: 25 Jun 2025 6:10 am

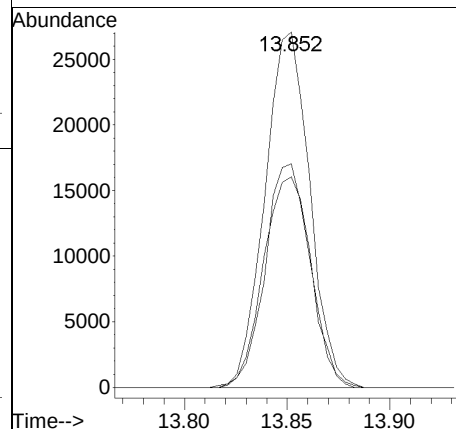
Tgt Ion:	180	Resp:	124595
Ion Ratio	Lower	Upper	
180	100		
182	94.2	61.4	127.4
145	27.9	19.6	40.6
74	25.2	18.7	38.9

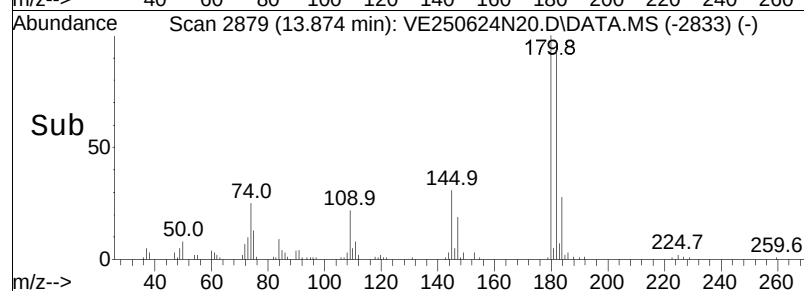
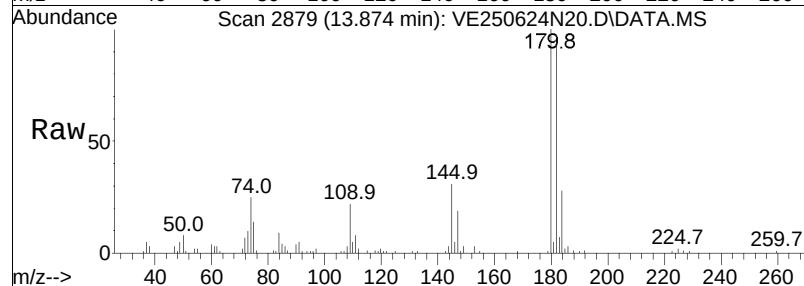
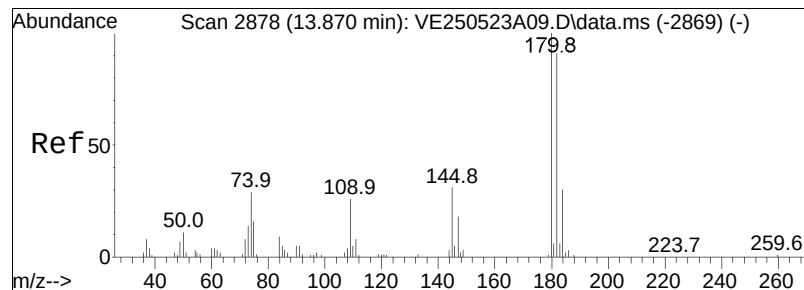




#113
 Hexachlorobutadiene
 Concen: 11.56 ug/L
 RT: 13.852 min Scan# 2874
 Delta R.T. -0.000 min
 Lab File: VE250624N20.D
 Acq: 25 Jun 2025 6:10 am

Tgt Ion	Ratio	Resp	Lower	Upper
225	100	41109		
223	62.8		51.9	77.9
227	62.9		53.0	79.6





#114

1,2,4-Trichlorobenzene

Concen: 9.18 ug/L

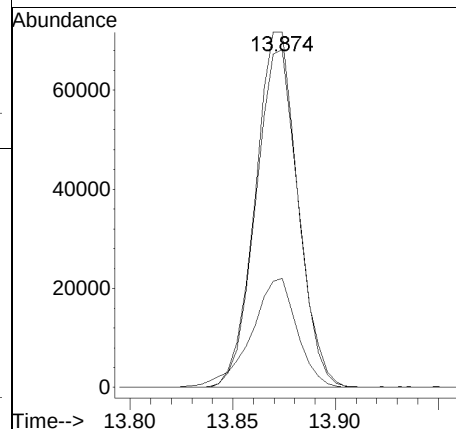
RT: 13.874 min Scan# 2879

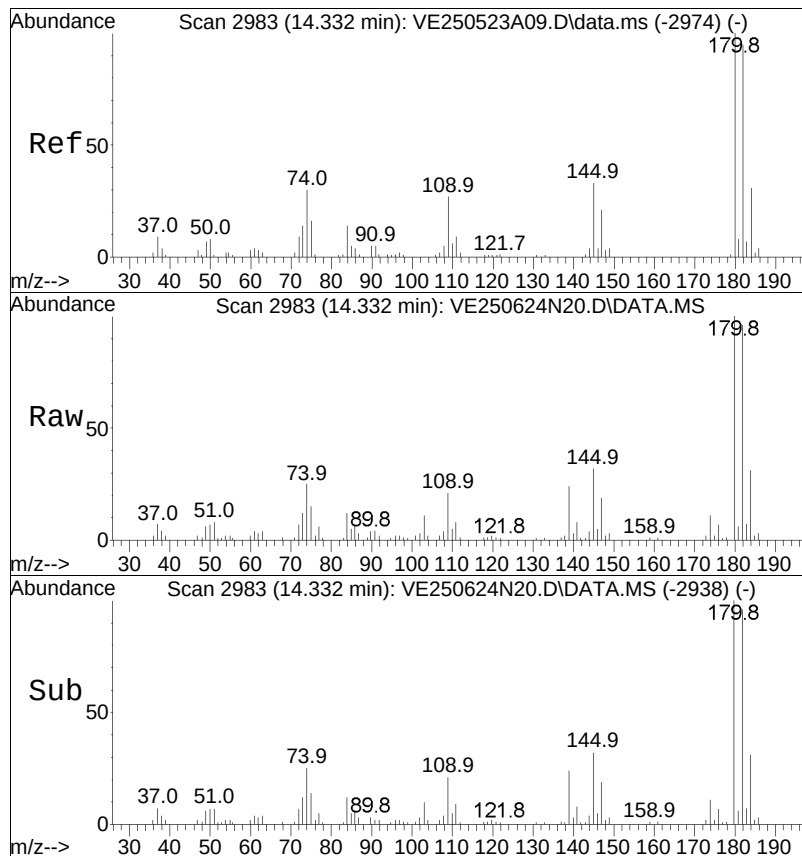
Delta R.T. 0.004 min

Lab File: VE250624N20.D

Acq: 25 Jun 2025 6:10 am

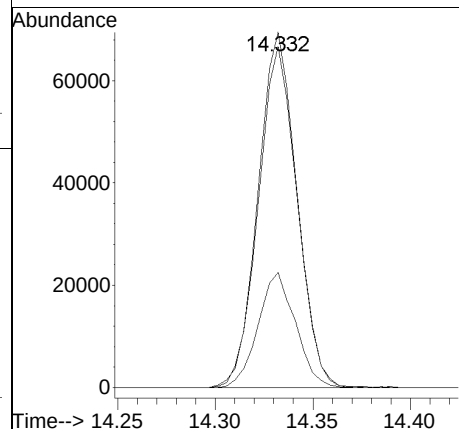
Tgt	Ion:180	Resp:	103586
Ion	Ratio	Lower	Upper
180	100		
182	94.6	75.3	112.9
145	32.9	26.9	40.3





#116
 1,2,3-Trichlorobenzene
 Concen: 9.47 ug/L
 RT: 14.332 min Scan# 2983
 Delta R.T. 0.000 min
 Lab File: VE250624N20.D
 Acq: 25 Jun 2025 6:10 am

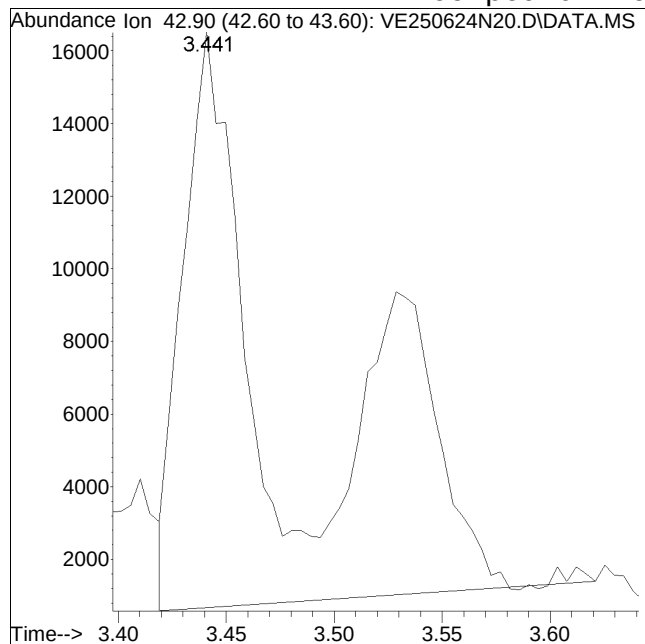
Tgt	Ion	Ratio	Lower	Upper
180	100			
182	96.1	75.8	113.6	
145	31.2	25.8	38.8	



Manual Integration Report

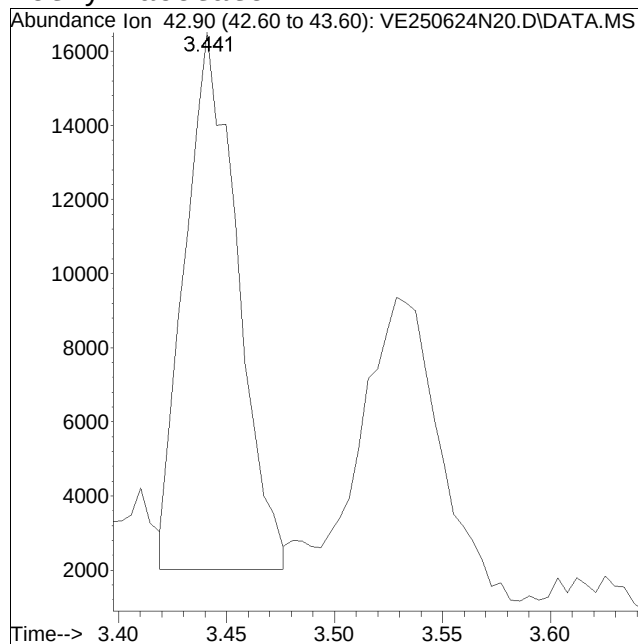
Data Path : K:\Elaine\2025\250624A\ QMethod : Elaine_250523A_8260.m
Data File : VE250624N20.D Operator : ELAINE:AJK
Date Inj'd : 6/25/2025 6:10 am Instrument : Elaine
Sample : WG2084006-6,31,2.5,10,,A Quant Date : 6/26/2025 8:12 am

Compound #19: Methyl acetate



Original Peak Response = 52337

M4 = Poor automated baseline construction.

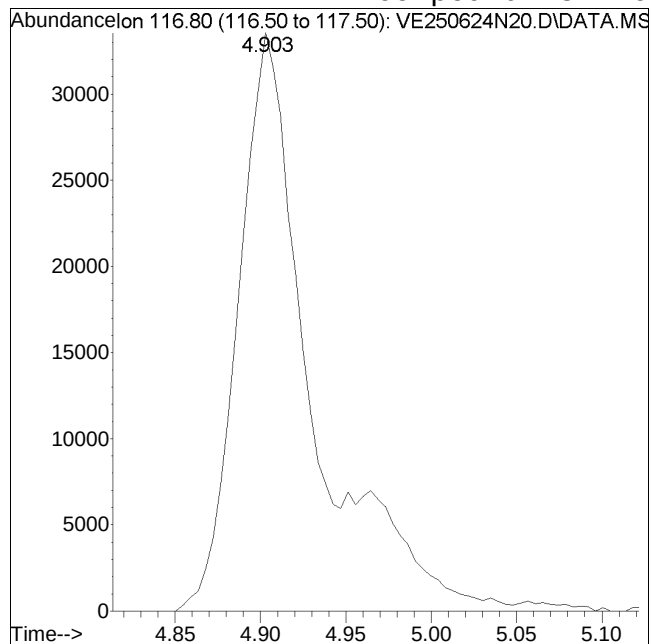


Manual Peak Response = 24599 M4

Manual Integration Report

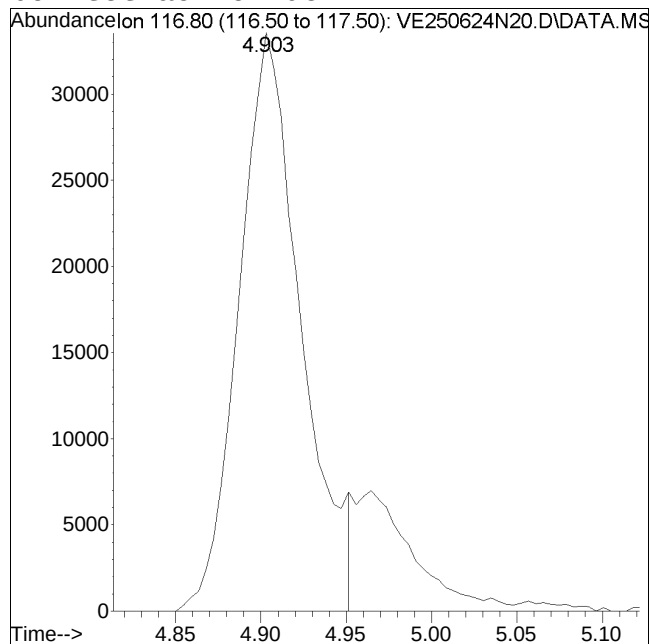
Data Path : K:\Elaine\2025\250624A\ QMethod : Elaine_250523A_8260.m
Data File : VE250624N20.D Operator : ELAINE:AJK
Date Inj'd : 6/25/2025 6:10 am Instrument : Elaine
Sample : WG2084006-6,31,2.5,10,,A Quant Date : 6/26/2025 8:12 am

Compound #37: Carbon tetrachloride



Original Peak Response = 101919

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Peak Response = 84371 M6

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250624A\
 Data File : VE250624N21.D
 Acq On : 25 Jun 2025 6:34 am
 Operator : ELAINE:AJK
 Sample : WG2084006-7,31,2.5,10,,A
 Misc : WG2084006,ICAL22314
 ALS Vial : 50 Sample Multiplier: 1

Quant Time: Jun 26 17:07:24 2025
 Quant Method : K:\Elaine\2025\250624A\Elaine_250523A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri May 23 20:15:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250624A\VE250624N02.D
 Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Fluorobenzene	5.746	96	273986	10.000	ug/L	0.00
Standard Area 1 = 281780			Recovery =	97.23%		
63) Chlorobenzene-d5	9.253	117	220096	10.000	ug/L	0.00
Standard Area 1 = 232207			Recovery =	94.78%		
84) 1,4-Dichlorobenzene-d4	12.010	152	135237	10.000	ug/L	0.00
Standard Area 1 = 145386			Recovery =	93.02%		
System Monitoring Compounds						
39) Dibromofluoromethane	4.951	113	81699	10.709	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	107.09%		
47) 1,2-Dichloroethane-d4	5.461	65	81954	10.849	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	108.49%		
64) Toluene-d8	7.420	98	278237	10.031	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	100.31%		
88) 4-Bromofluorobenzene	10.777	95	93897	8.613	ug/L	0.00
Spiked Amount 10.000	Range 70 - 130		Recovery =	86.13%		
Target Compounds						
						Qvalue
2) Dichlorodifluoromethane	1.513	85	81801	9.261	ug/L	98
3) Chloromethane	1.693	50	315678	33.744	ug/L	100
4) Vinyl chloride	1.759	62	844	0.105	ug/L #	63
5) Bromomethane	2.049	94	71016	15.850	ug/L	100
6) Chloroethane	2.154	64	70262	13.446	ug/L	99
7) Trichlorofluoromethane	2.290	101	134529	12.831	ug/L	99
8) Ethyl ether	2.567	74	36841	11.168	ug/L	84
10) 1,1-Dichloroethene	2.756	96	20418	3.300	ug/L	82
11) Carbon disulfide	2.787	76	239845	12.285	ug/L	100
12) Freon-113	2.787	101	77777	12.747	ug/L	96
15) Methylene chloride	3.292	84	78479	11.563	ug/L	86
17) Acetone	3.322	43	138170	91.114	ug/L	93
18) trans-1,2-Dichloroethene	3.432	96	54864	8.677	ug/L	92
19) Methyl acetate	3.441	43	29437M4	8.098	ug/L	
21) Methyl tert-butyl ether	3.533	73	120911	8.379	ug/L #	96
22) tert-Butyl alcohol	3.625	59	17497	62.515	ug/L #	100
24) Diisopropyl ether	3.880	45	159930	7.074	ug/L	96
25) 1,1-Dichloroethane	4.003	63	139723	11.196	ug/L	99
26) Halothane	4.060	117	53375	11.380	ug/L	95
27) Acrylonitrile	4.051	53	15783	8.570	ug/L	97
28) Ethyl tert-butyl ether	4.227	59	128562	7.282	ug/L #	62

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250624A\
 Data File : VE250624N21.D
 Acq On : 25 Jun 2025 6:34 am
 Operator : ELAINE:AJK
 Sample : WG2084006-7,31,2.5,10,,A
 Misc : WG2084006,ICAL22314
 ALS Vial : 50 Sample Multiplier: 1

Quant Time: Jun 26 17:07:24 2025
 Quant Method : K:\Elaine\2025\250624A\Elaine_250523A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri May 23 20:15:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250624A\VE250624N02.D
 Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
29) Vinyl acetate	4.222	43	17023	1.431	ug/L	# 80
30) cis-1,2-Dichloroethene	4.512	96	81230	11.092	ug/L	86
31) 2,2-Dichloropropane	4.604	77	66696	6.885	ug/L	89
33) Bromochloromethane	4.701	128	37995	10.884	ug/L	82
34) Cyclohexane	4.701	56	118693	8.971	ug/L	90
35) Chloroform	4.771	83	127598	10.952	ug/L	98
36) Ethyl acetate	4.881	43	34040	7.068	ug/L	# 96
37) Carbon tetrachloride	4.903	117	88867M6	10.836	ug/L	
38) Tetrahydrofuran	4.920	42	14628	8.540	ug/L	98
40) 1,1,1-Trichloroethane	4.964	97	103186	10.882	ug/L	97
42) 2-Butanone	5.052	43	22687	10.372	ug/L	# 75
43) 1,1-Dichloropropene	5.092	75	1739	0.240	ug/L	# 77
45) Benzene	5.329	78	223979	8.997	ug/L	97
46) tert-Amyl methyl ether	5.439	73	110247	7.381	ug/L	95
48) 1,2-Dichloroethane	5.526	62	74494	10.020	ug/L	98
51) Methyl cyclohexane	5.913	83	96782	8.614	ug/L	88
52) Trichloroethene	5.922	95	65973	10.833	ug/L	95
54) Dibromomethane	6.356	93	35621	10.044	ug/L	91
55) 1,2-Dichloropropane	6.456	63	61216	9.436	ug/L	98
58) Bromodichloromethane	6.537	83	80762	9.616	ug/L	99
61) 1,4-Dioxane	6.737	88	21929	709.219	ug/L	93
62) cis-1,3-Dichloropropene	7.221	75	37774	4.039	ug/L	96
65) Toluene	7.479	92	7144	0.445	ug/L	96
66) 4-Methyl-2-pentanone	7.913	58	11677	7.324	ug/L	98
67) Tetrachloroethene	7.922	166	73124	10.899	ug/L	98
69) trans-1,3-Dichloropropene	7.958	75	32186	4.130	ug/L	97
71) Ethyl methacrylate	0.000		0	N.D.		
72) 1,1,2-Trichloroethane	8.144	83	35314	9.131	ug/L	96
73) Chlorodibromomethane	8.352	129	55827	9.250	ug/L	99
74) 1,3-Dichloropropane	8.465	76	75729	9.280	ug/L	98
75) 1,2-Dibromoethane	8.619	107	42502	9.147	ug/L	98
77) 2-Hexanone	8.913	43	22424	6.209	ug/L	95
78) Chlorobenzene	9.275	112	189635	10.099	ug/L	# 83
79) Ethylbenzene	9.311	91	22053	0.671	ug/L	98
80) 1,1,1,2-Tetrachloroethane	9.361	131	57099	9.234	ug/L	97
81) p/m Xylene	0.000		0	N.D.		
82) o Xylene	0.000		0	N.D.		
83) Styrene	0.000		0	N.D.		
85) Bromoform	10.144	173	37018	9.214	ug/L	96
87) Isopropylbenzene	10.442	105	27804	0.746	ug/L	96

Quantitation Report (QT Reviewed)

Data Path : K:\Elaine\2025\250624A\
 Data File : VE250624N21.D
 Acq On : 25 Jun 2025 6:34 am
 Operator : ELAINE:AJK
 Sample : WG2084006-7,31,2.5,10,,A
 Misc : WG2084006,ICAL22314
 ALS Vial : 50 Sample Multiplier: 1

Quant Time: Jun 26 17:07:24 2025
 Quant Method : K:\Elaine\2025\250624A\Elaine_250523A_8260.m
 Quant Title : VOLATILES BY GC/MS
 QLast Update : Fri May 23 20:15:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - K:\Elaine\2025\250624A\VE250624N02.D
 Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
89)	Bromobenzene	10.887	156	66515	7.809	ug/L	98
90)	n-Propylbenzene	10.940	91	27354	0.623	ug/L	99
91)	1,4-Dichlorobutane	10.953	55	78485	7.621	ug/L	100
92)	1,1,2,2-Tetrachloroethane	11.032	83	54837	9.277	ug/L	94
93)	4-Ethyltoluene	0.000		0	N.D.	d	
94)	2-Chlorotoluene	11.107	91	204751	7.856	ug/L	98
95)	1,3,5-Trimethylbenzene	0.000		0	N.D.	d	
96)	1,2,3-Trichloropropane	11.173	75	41372	8.056	ug/L	94
97)	trans-1,4-Dichloro-2-b...	0.000		0	N.D.	d	
98)	4-Chlorotoluene	11.296	91	152755	5.641	ug/L	95
99)	tert-Butylbenzene	11.517	119	49385	1.730	ug/L	94
102)	1,2,4-Trimethylbenzene	0.000		0	N.D.	d	
103)	sec-Butylbenzene	11.711	105	37704	0.920	ug/L	96
104)	p-Isopropyltoluene	0.000		0	N.D.	d	
105)	1,3-Dichlorobenzene	11.931	146	173327	9.204	ug/L	97
106)	1,4-Dichlorobenzene	12.028	146	173679	9.345	ug/L	100
107)	p-Diethylbenzene	12.248	119	55	N.D.		
108)	n-Butylbenzene	12.305	91	14409	0.480	ug/L	93
109)	1,2-Dichlorobenzene	12.451	146	164025	9.362	ug/L	99
110)	1,2,4,5-Tetramethylben...	0.000		0	N.D.	d	
111)	1,2-Dibromo-3-chloropr...	13.235	155	9896	9.280	ug/L	93
112)	1,3,5-Trichlorobenzene	13.270	180	128471	10.071	ug/L	98
113)	Hexachlorobutadiene	13.847	225	42126	11.669	ug/L	97
114)	1,2,4-Trichlorobenzene	13.869	180	108598	9.480	ug/L	98
115)	Naphthalene	0.000		0	N.D.	d	
116)	1,2,3-Trichlorobenzene	14.332	180	102261	9.958	ug/L	98

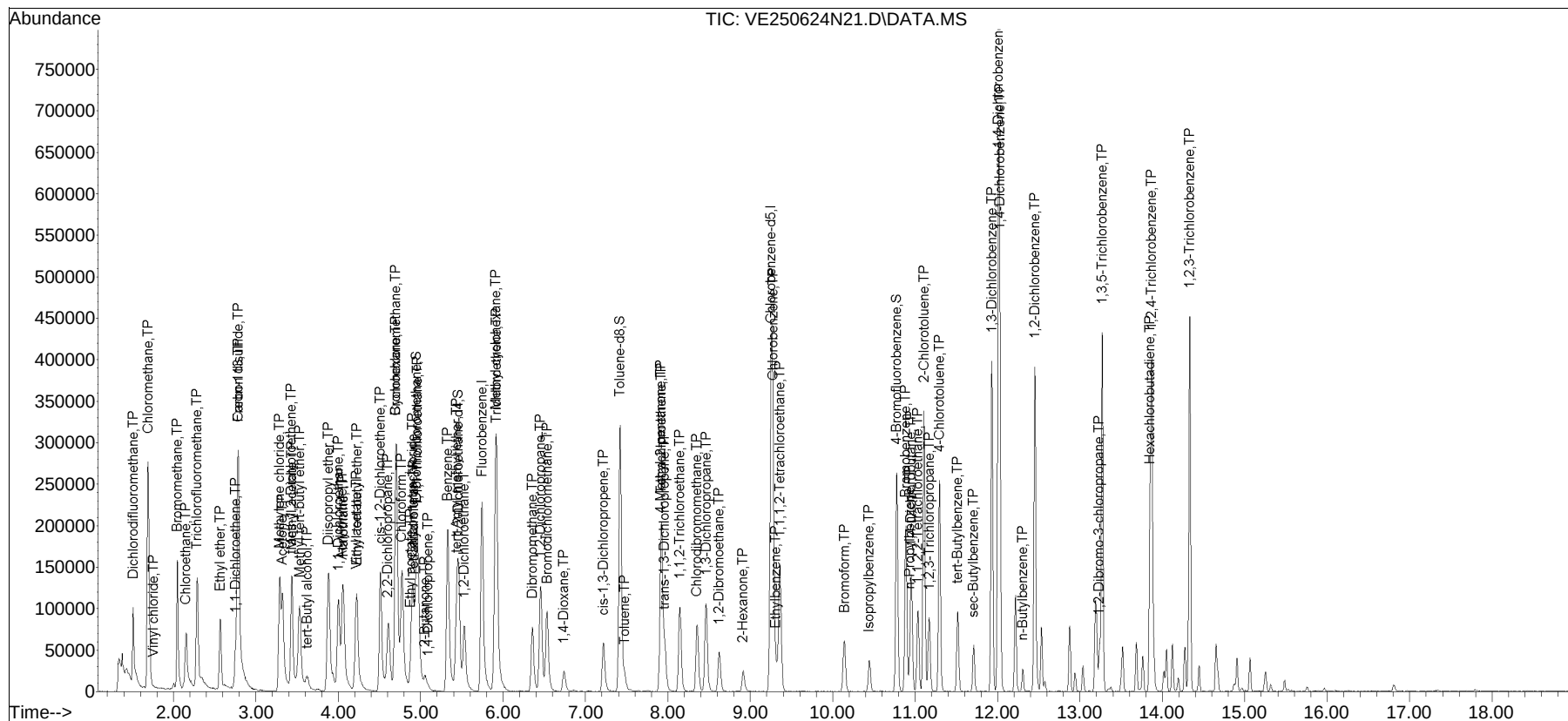
(#) = qualifier out of range (m) = manual integration (+) = signals summed

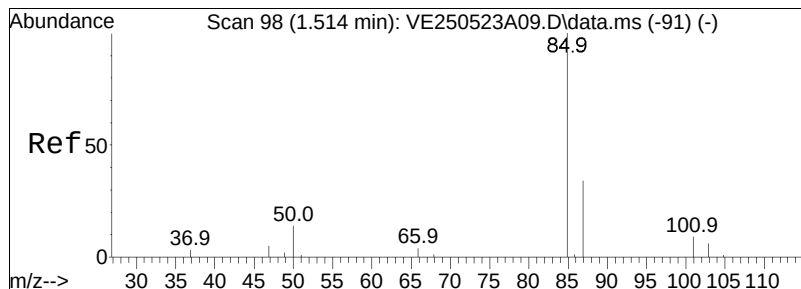
(QT Reviewed)

Data Path : K:\Elaine\2025\250624A\
Data File : VE250624N21.D
Acq On : 25 Jun 2025 6:34 am
Operator : ELAINE:AJK
Sample : WG2084006-7,31,2.5,10,,A
Misc : WG2084006,ICAL22314
ALS Vial : 50 Sample Multiplier: 1

Quant Time: Jun 26 17:07:24 2025
Quant Method : K:\Elaine\2025\250624A\Elaine_250523A_8260.m
Quant Title : VOLATILES BY GC/MS
QLast Update : Fri May 23 20:15:15 2025
Response via : Initial Calibration

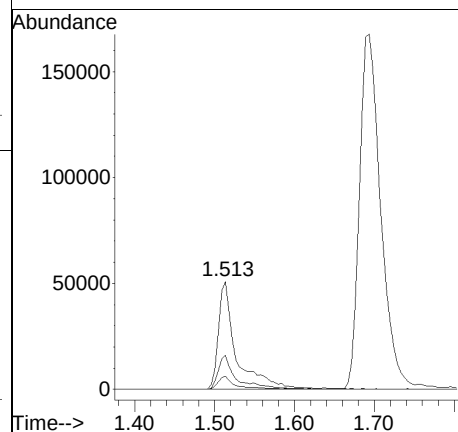
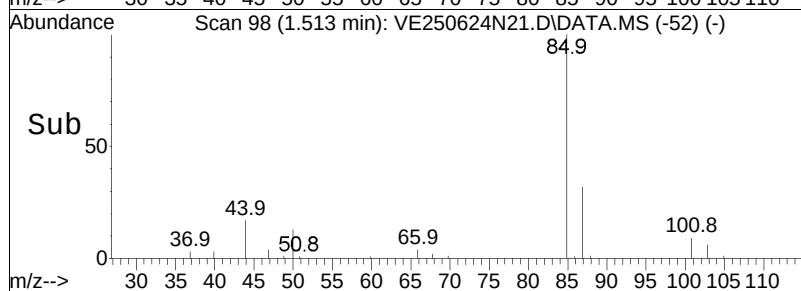
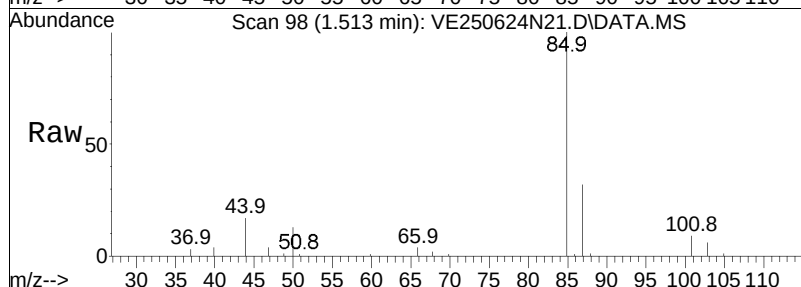
Sub List : 8260-Curve-3 - Megamix plus Diox-IM, Acro, 2Ceve

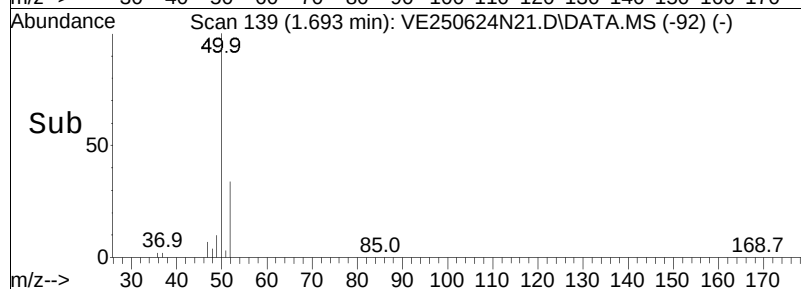
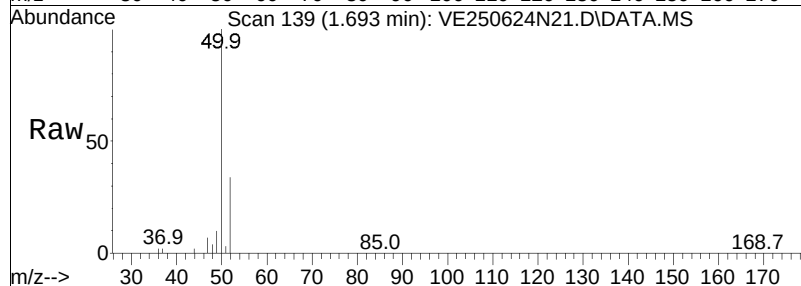
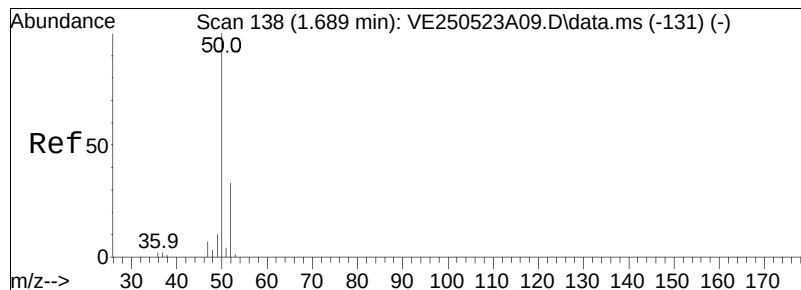




#2
 Dichlorodifluoromethane
 Concen: 9.26 ug/L
 RT: 1.513 min Scan# 98
 Delta R.T. -0.000 min
 Lab File: VE250624N21.D
 Acq: 25 Jun 2025 6:34 am

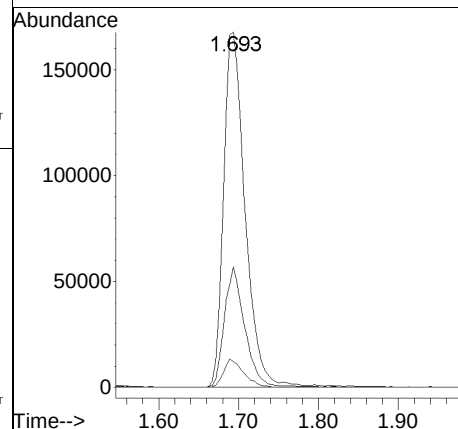
Tgt Ion	85	Resp:	81801
Ion Ratio	Lower	Upper	
85	100		
87	32.0	21.2	44.0
50	12.0	8.5	17.7

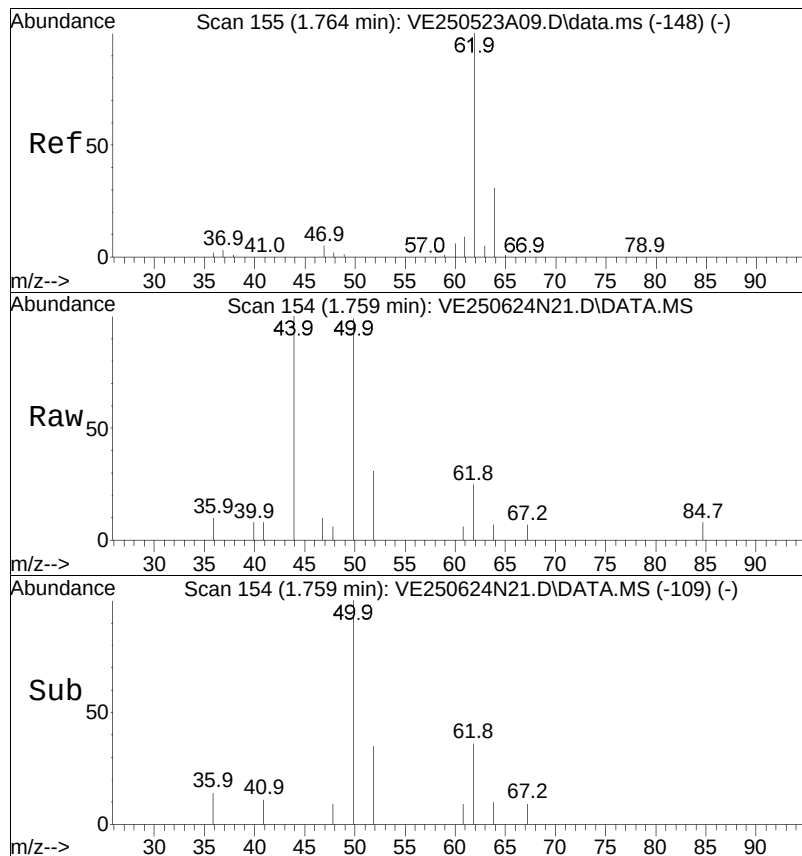




#3
 Chloromethane
 Concen: 33.74 ug/L
 RT: 1.693 min Scan# 139
 Delta R.T. 0.004 min
 Lab File: VE250624N21.D
 Acq: 25 Jun 2025 6:34 am

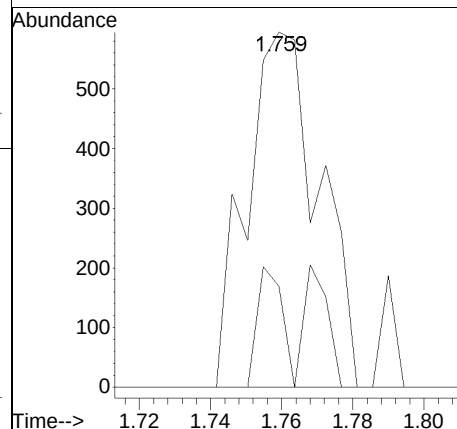
Tgt Ion	Ratio	Lower	Upper
50	100		
52	32.2	12.2	52.2
47	7.5	0.0	27.4

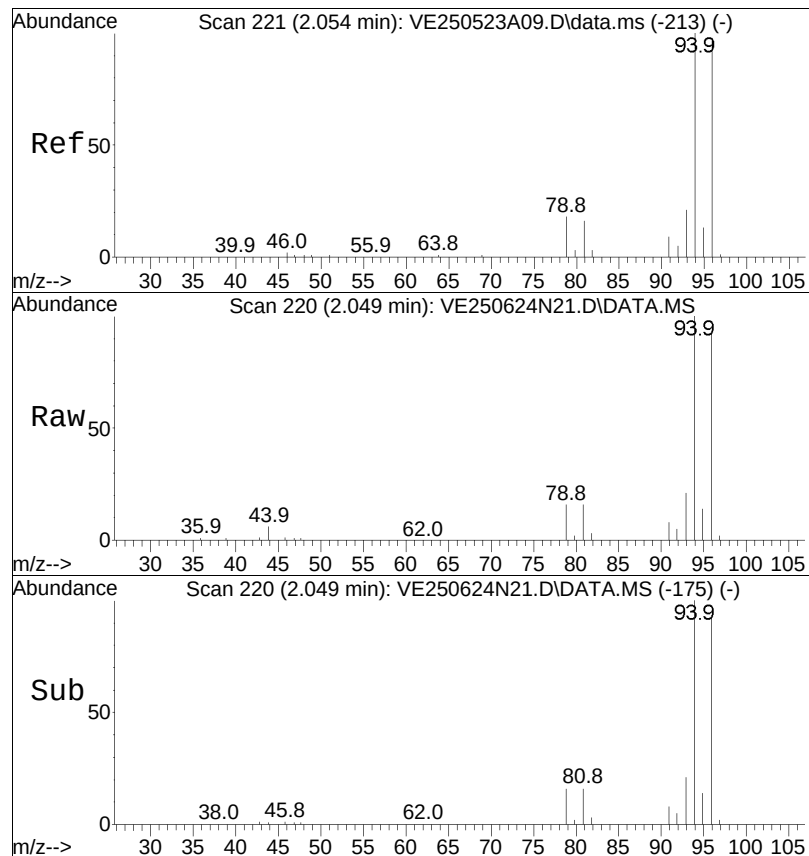




#4
 Vinyl chloride
 Concen: 0.10 ug/L
 RT: 1.759 min Scan# 154
 Delta R.T. -0.005 min
 Lab File: VE250624N21.D
 Acq: 25 Jun 2025 6:34 am

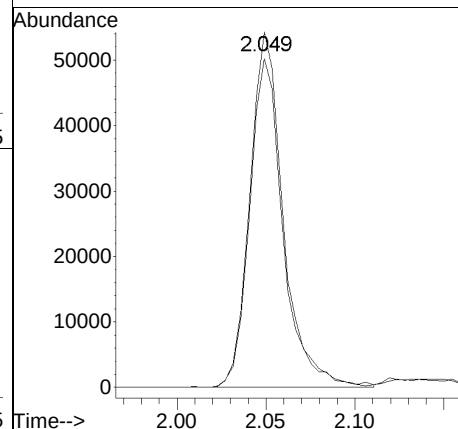
Tgt Ion	Ratio	Lower	Upper
62	100		
64	11.6	12.2	52.2#

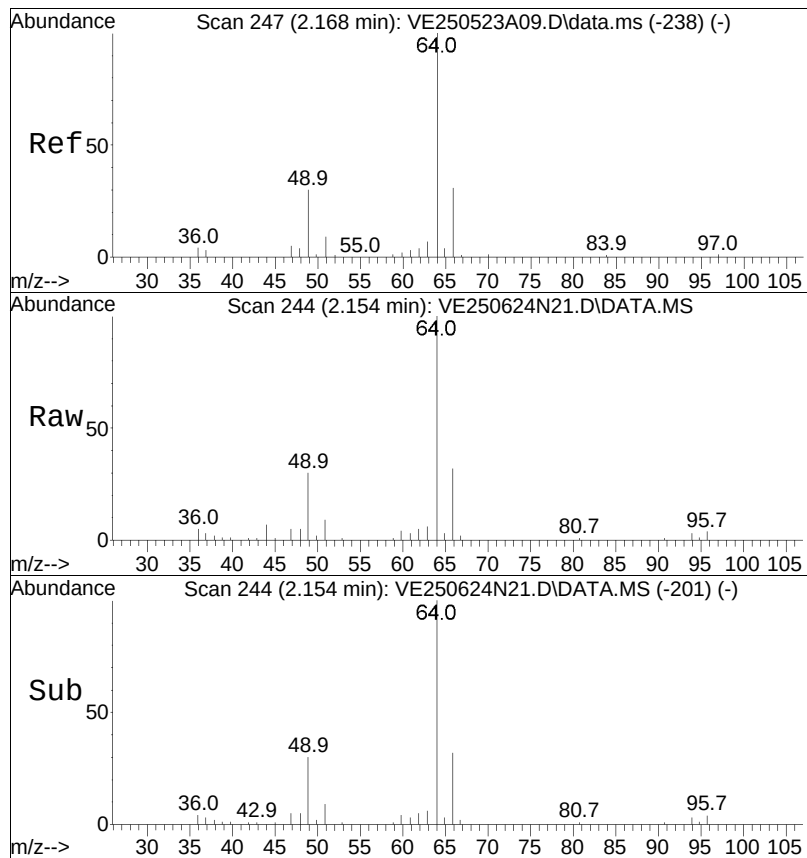




#5
 Bromomethane
 Concen: 15.85 ug/L
 RT: 2.049 min Scan# 220
 Delta R.T. -0.005 min
 Lab File: VE250624N21.D
 Acq: 25 Jun 2025 6:34 am

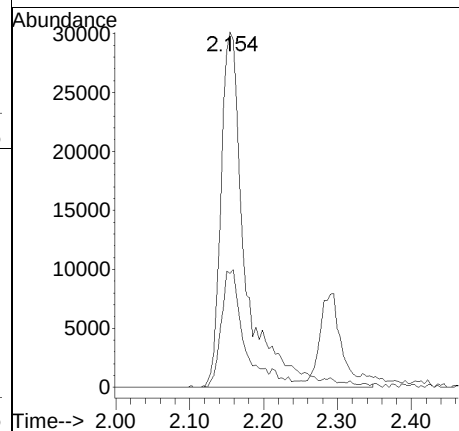
Tgt Ion	Ratio	Lower	Upper
94	100		
96	92.4	72.7	112.7

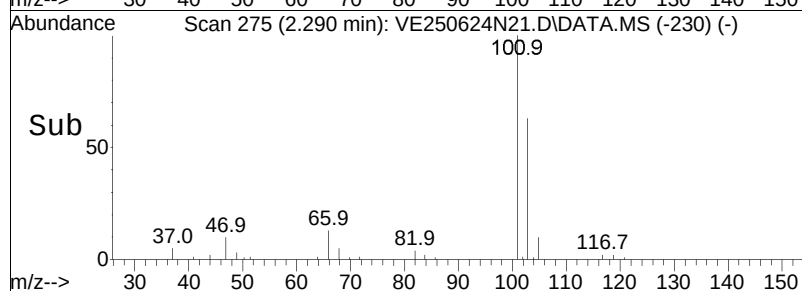
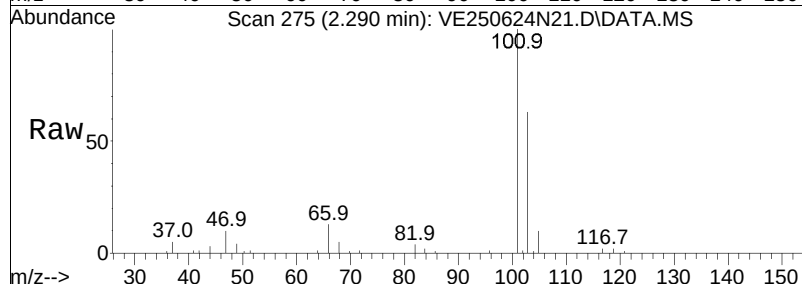
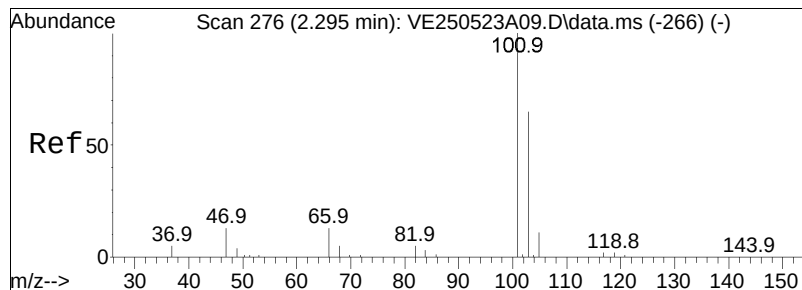




#6
 Chloroethane
 Concen: 13.45 ug/L
 RT: 2.154 min Scan# 244
 Delta R.T. -0.013 min
 Lab File: VE250624N21.D
 Acq: 25 Jun 2025 6:34 am

Tgt Ion	Ratio	Lower	Upper
64	100		
66	32.5	13.1	53.1





#7

Trichlorofluoromethane

Concen: 12.83 ug/L

RT: 2.290 min Scan# 275

Delta R.T. -0.005 min

Lab File: VE250624N21.D

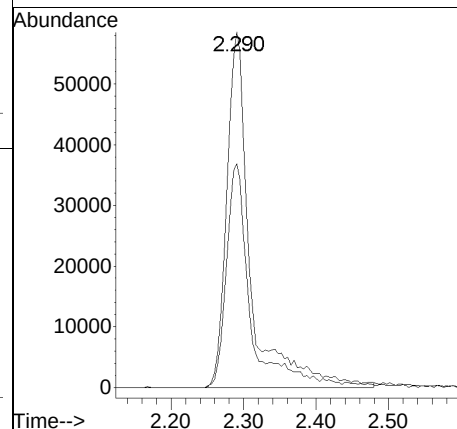
Acq: 25 Jun 2025 6:34 am

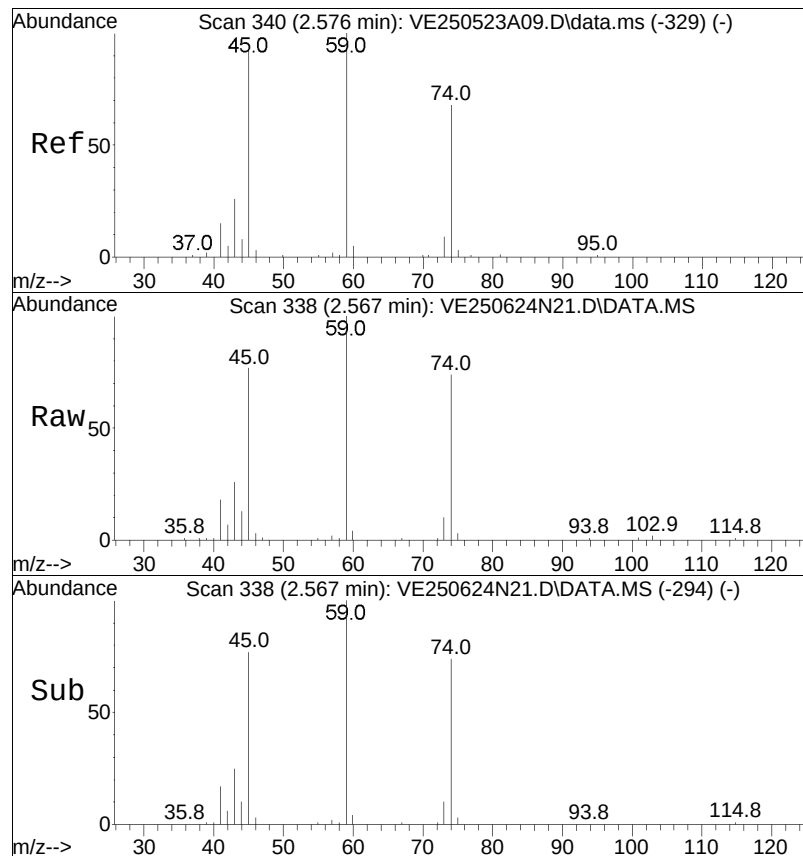
Tgt Ion:101 Resp: 134529

Ion Ratio Lower Upper

101 100

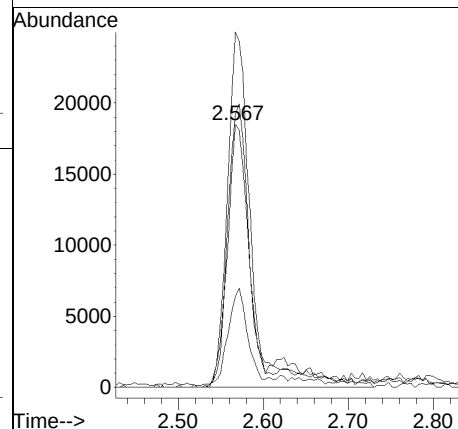
103 64.4 52.0 78.0

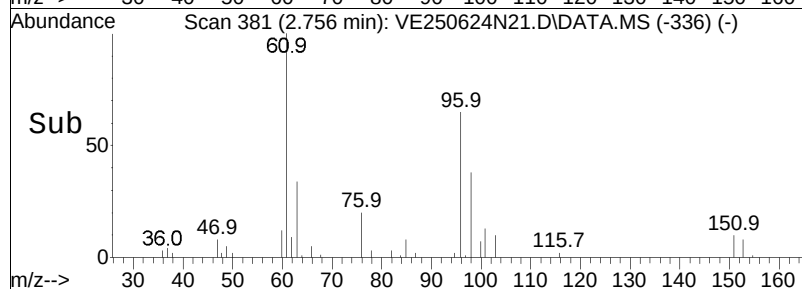
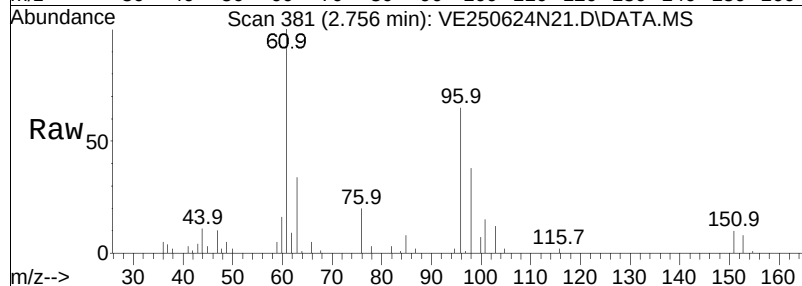
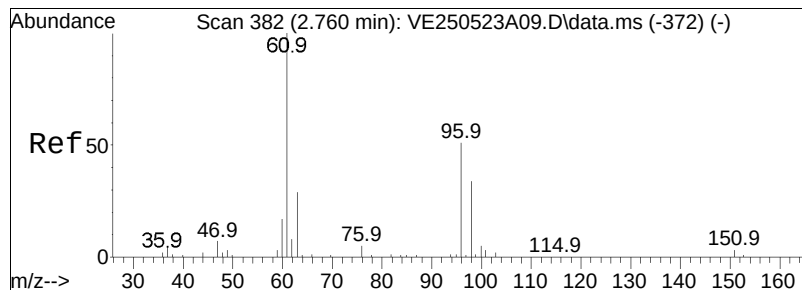




#8
 Ethyl ether
 Concen: 11.17 ug/L
 RT: 2.567 min Scan# 338
 Delta R.T. -0.009 min
 Lab File: VE250624N21.D
 Acq: 25 Jun 2025 6:34 am

Tgt Ion:	74	Resp:	36841
Ion Ratio	Lower	Upper	
74	100		
59	139.8	105.2	218.4
45	113.9	84.1	174.7
43	35.1	32.2	67.0





#10

1,1-Dichloroethene

Concen: 3.30 ug/L

RT: 2.756 min Scan# 381

Delta R.T. -0.005 min

Lab File: VE250624N21.D

Acq: 25 Jun 2025 6:34 am

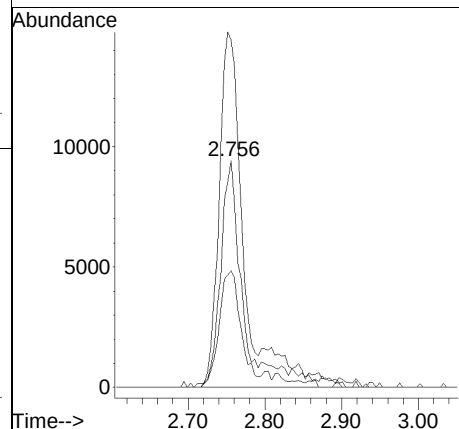
Tgt Ion: 96 Resp: 20418

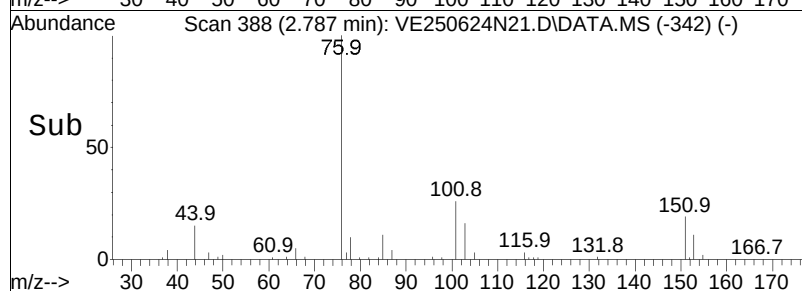
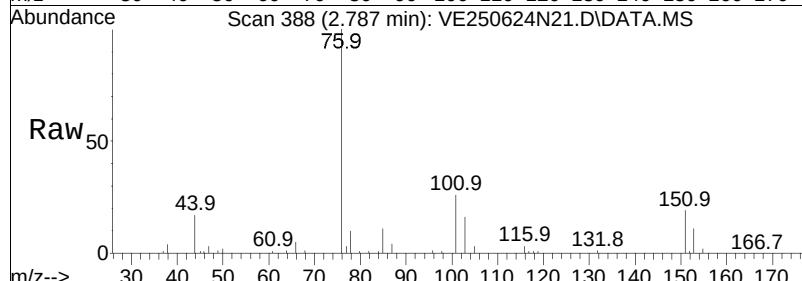
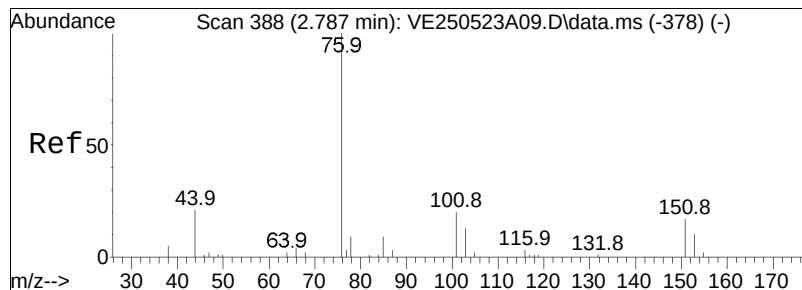
Ion Ratio Lower Upper

96 100

61 166.3 158.3 237.5

63 54.9 50.2 75.2





#11

Carbon disulfide

Concen: 12.28 ug/L

RT: 2.787 min Scan# 388

Delta R.T. -0.000 min

Lab File: VE250624N21.D

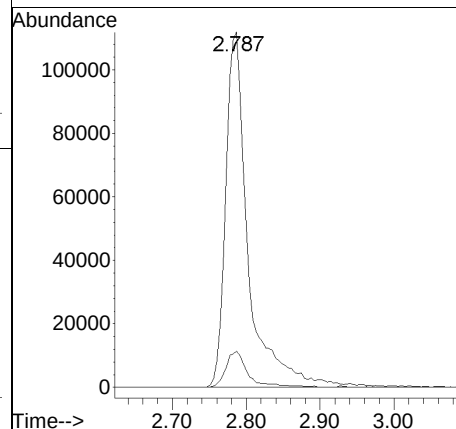
Acq: 25 Jun 2025 6:34 am

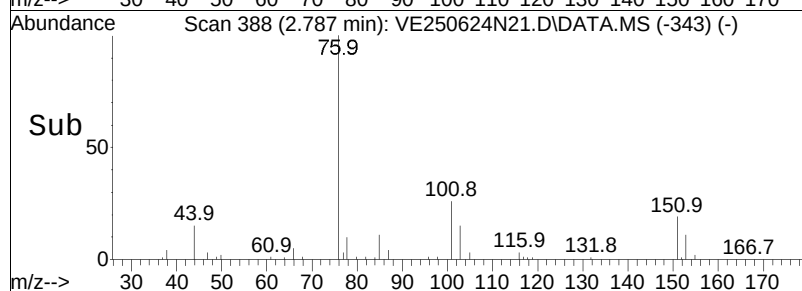
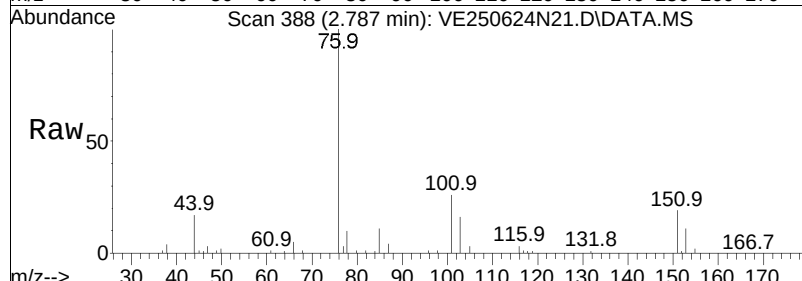
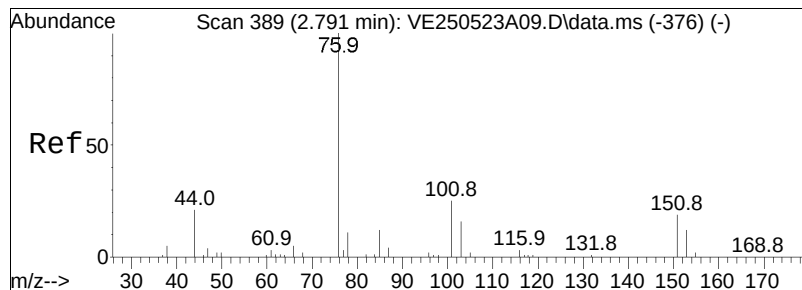
Tgt Ion: 76 Resp: 239845

Ion Ratio Lower Upper

76 100

78 10.0 6.6 13.8





#12

Freon-113

Concen: 12.75 ug/L

RT: 2.787 min Scan# 388

Delta R.T. -0.005 min

Lab File: VE250624N21.D

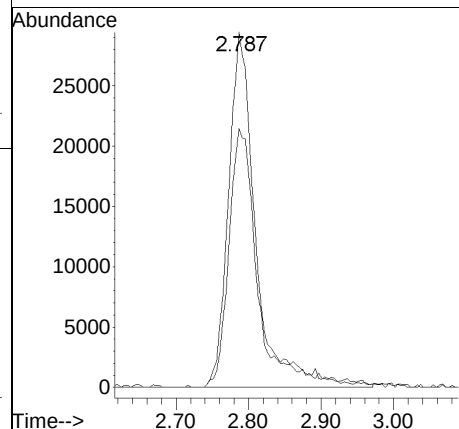
Acq: 25 Jun 2025 6:34 am

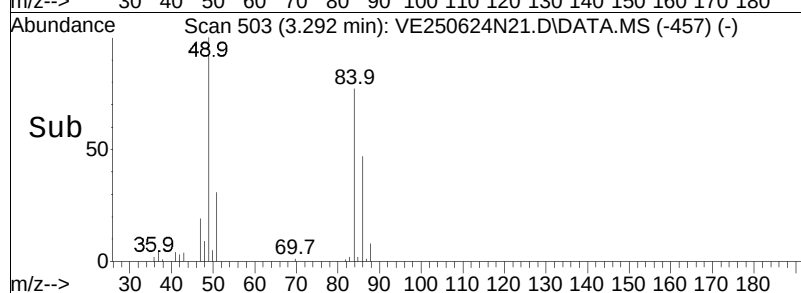
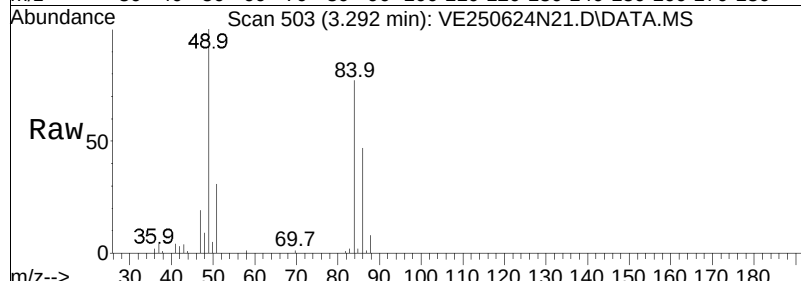
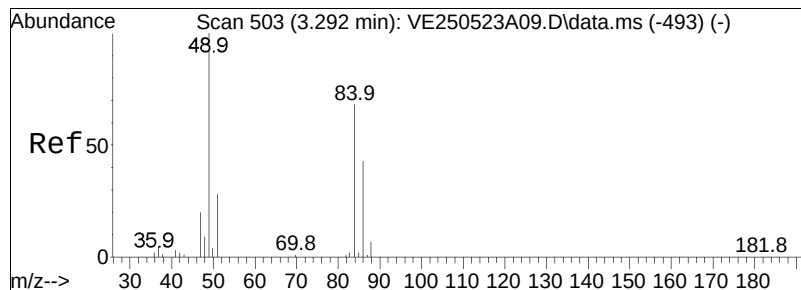
Tgt Ion:101 Resp: 77777

Ion Ratio Lower Upper

101 100

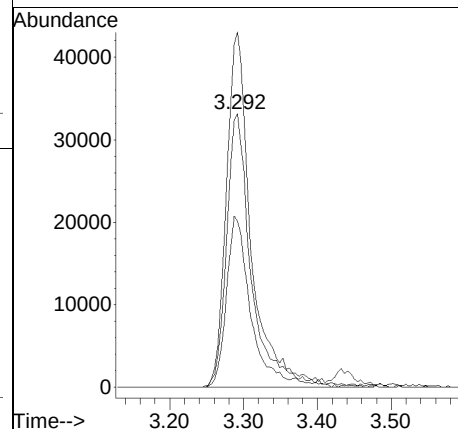
151 77.4 64.5 96.7

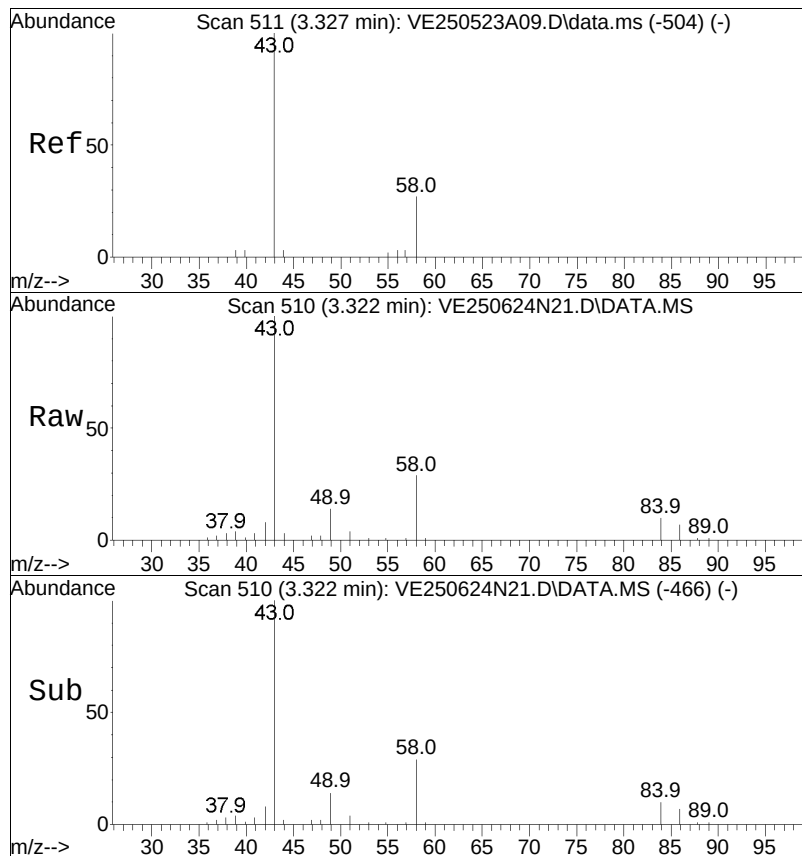




#15
Methylene chloride
Concen: 11.56 ug/L
RT: 3.292 min Scan# 503
Delta R.T. -0.000 min
Lab File: VE250624N21.D
Acq: 25 Jun 2025 6:34 am

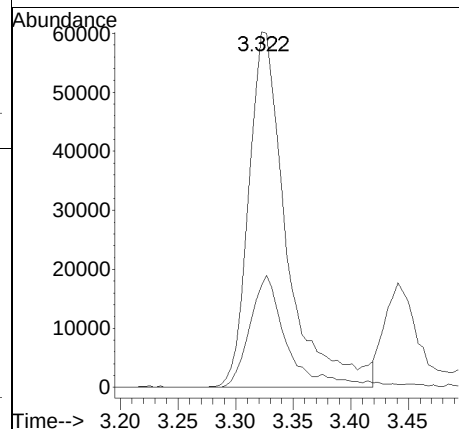
Tgt Ion	Ratio	Lower	Upper
84	100		
86	61.9	40.6	84.4
49	129.0	100.0	207.6

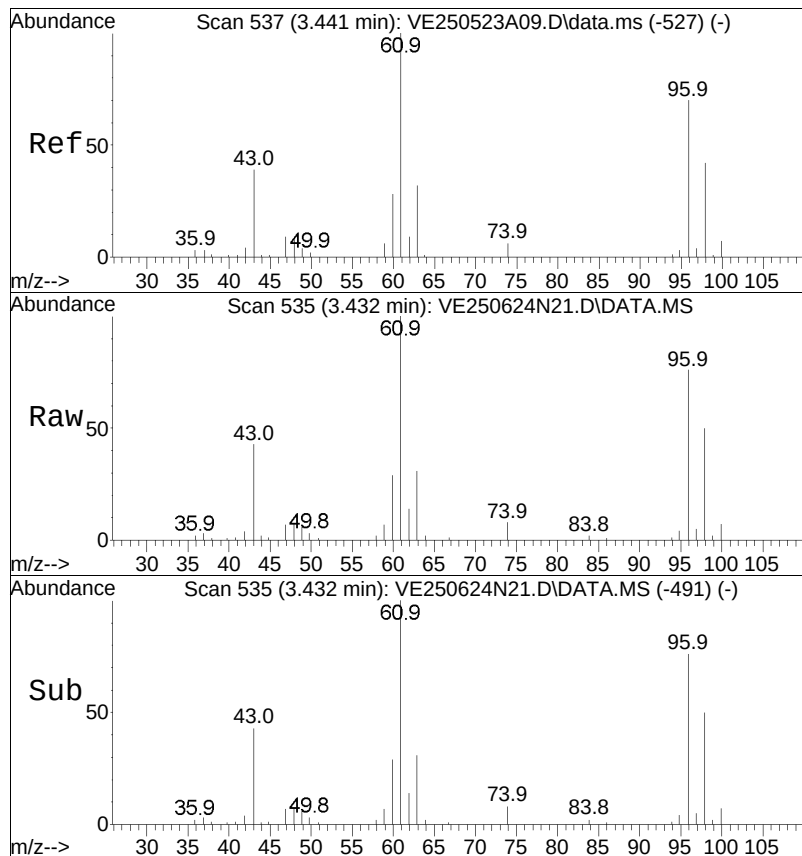




#17
 Acetone
 Concen: 91.11 ug/L
 RT: 3.322 min Scan# 510
 Delta R.T. -0.005 min
 Lab File: VE250624N21.D
 Acq: 25 Jun 2025 6:34 am

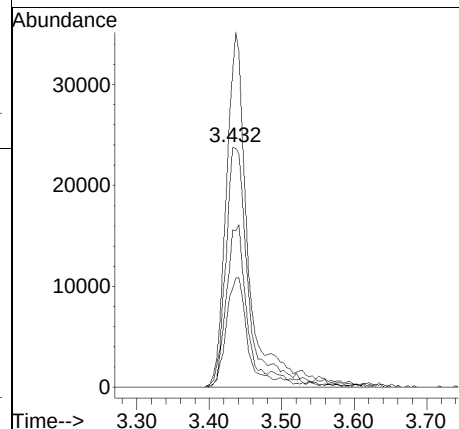
Tgt Ion:	43	58	Ratio	100	31.9	Resp:	138170	Lower	Upper
43	100								
58		31.9						22.4	33.6

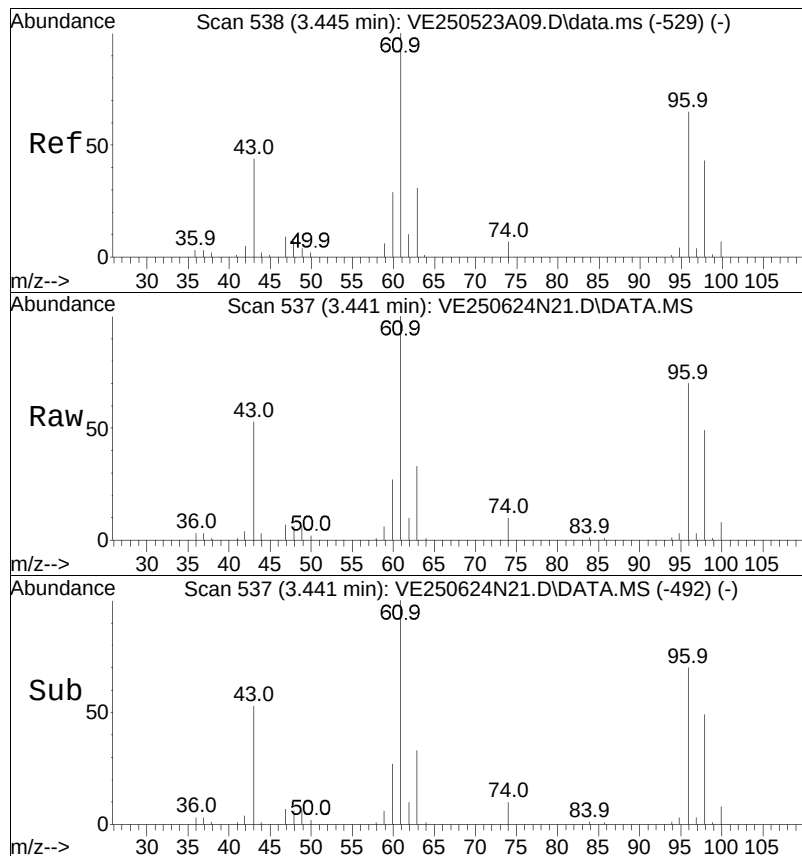




#18
 trans-1,2-Dichloroethene
 Concen: 8.68 ug/L
 RT: 3.432 min Scan# 535
 Delta R.T. -0.009 min
 Lab File: VE250624N21.D
 Acq: 25 Jun 2025 6:34 am

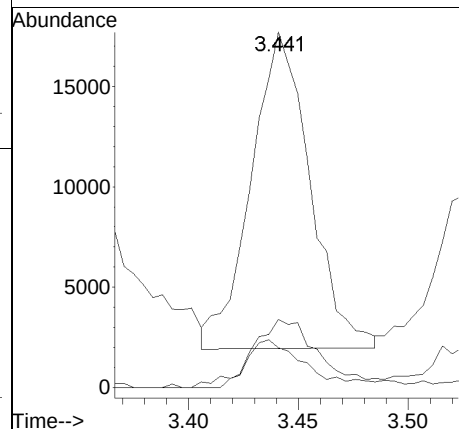
Tgt Ion:	96	Resp:	54864
Ion Ratio	Lower	Upper	
96	100		
61	138.7	99.5	206.6
98	64.4	40.5	84.1
63	44.6	32.0	66.4

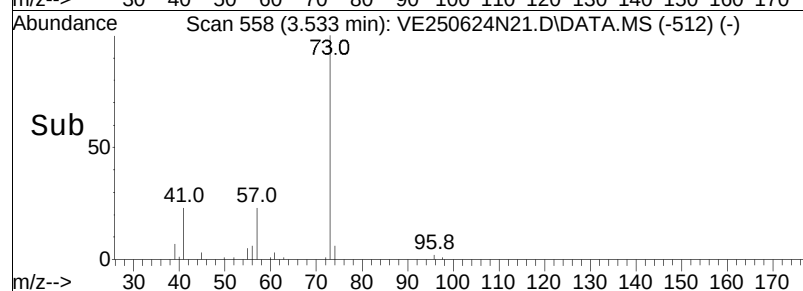
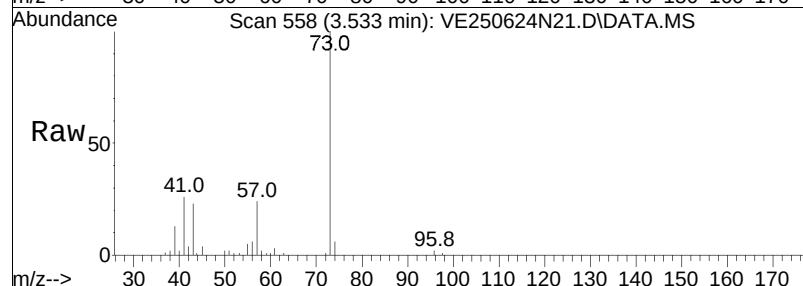
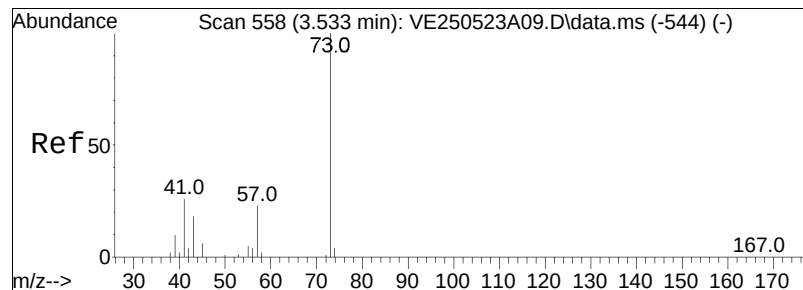




#19
Methyl acetate
Concen: 8.10 ug/L M4
RT: 3.441 min Scan# 537
Delta R.T. -0.004 min
Lab File: VE250624N21.D
Acq: 25 Jun 2025 6:34 am

Tgt Ion:	43	74	59	Ratio	100	25.2	19.7	Resp:	29437	Lower	Upper
						17.4	16.1				





#21

Methyl tert-butyl ether

Concen: 8.38 ug/L

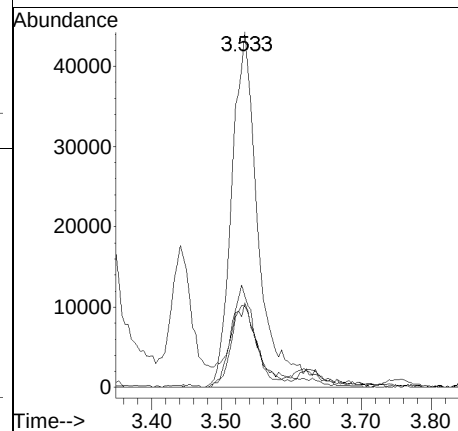
RT: 3.533 min Scan# 558

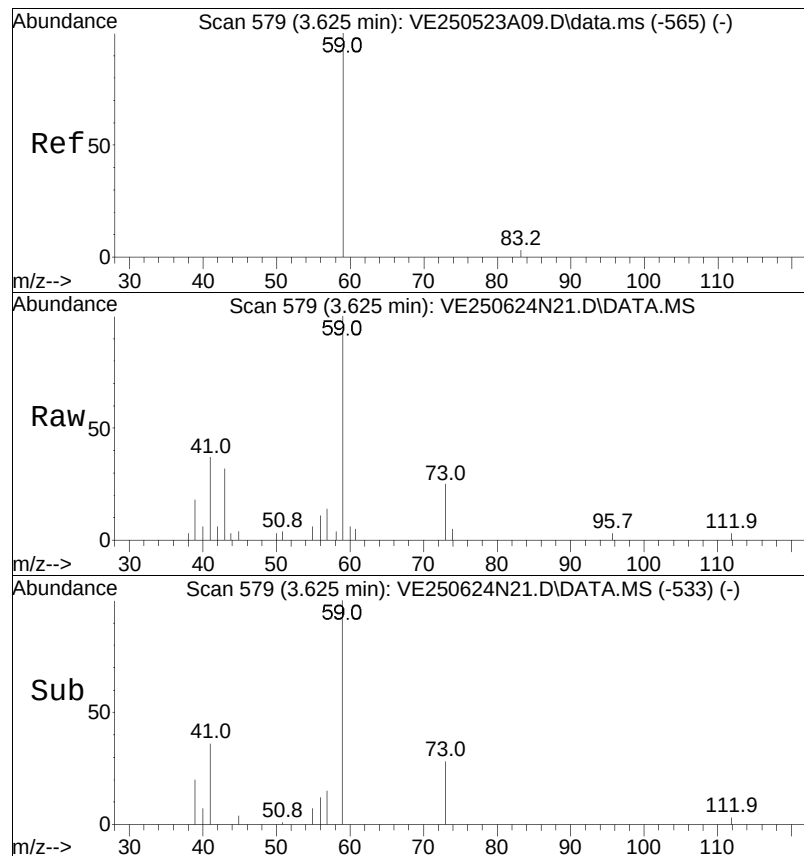
Delta R.T. -0.000 min

Lab File: VE250624N21.D

Acq: 25 Jun 2025 6:34 am

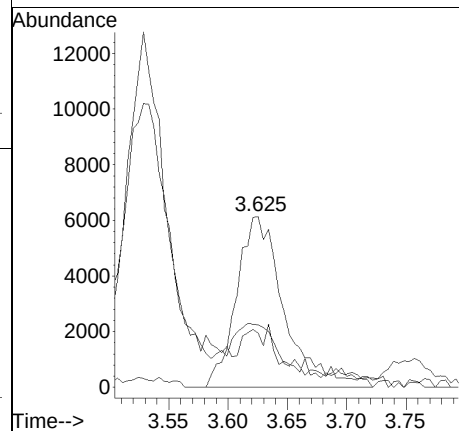
Tgt Ion:	73	Resp:	120911
Ion Ratio	Lower	Upper	
73	100		
57	24.7	17.6	36.5
43	0.0	0.0	0.0
41	32.4	22.8	47.4

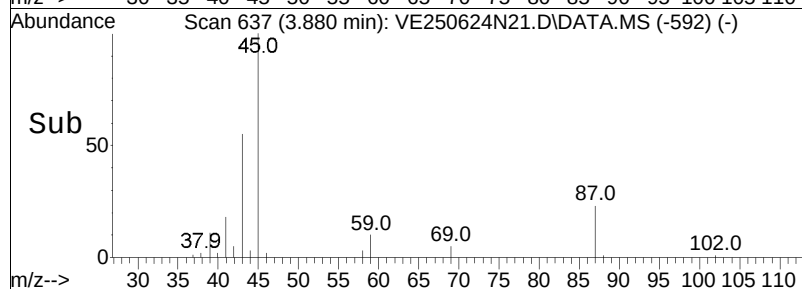
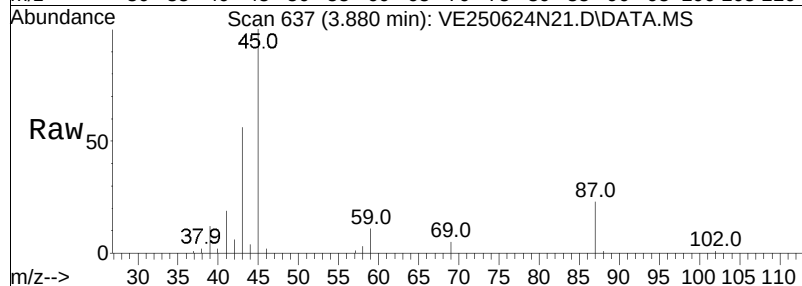
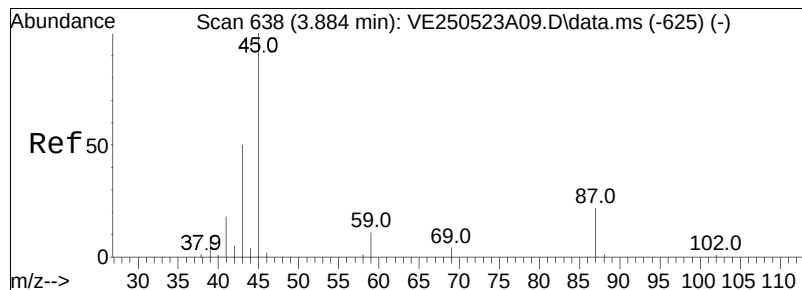




#22
 tert-Butyl alcohol
 Concen: 62.52 ug/L
 RT: 3.625 min Scan# 579
 Delta R.T. -0.000 min
 Lab File: VE250624N21.D
 Acq: 25 Jun 2025 6:34 am

Tgt Ion	Ratio	Resp	Lower	Upper
59	100	17497		
41	0.0	0.0	0.0	0.0
43	0.0	0.0	0.0	0.0





#24

Diisopropyl ether

Concen: 7.07 ug/L

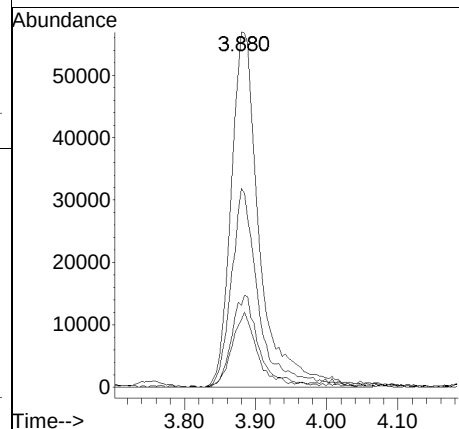
RT: 3.880 min Scan# 637

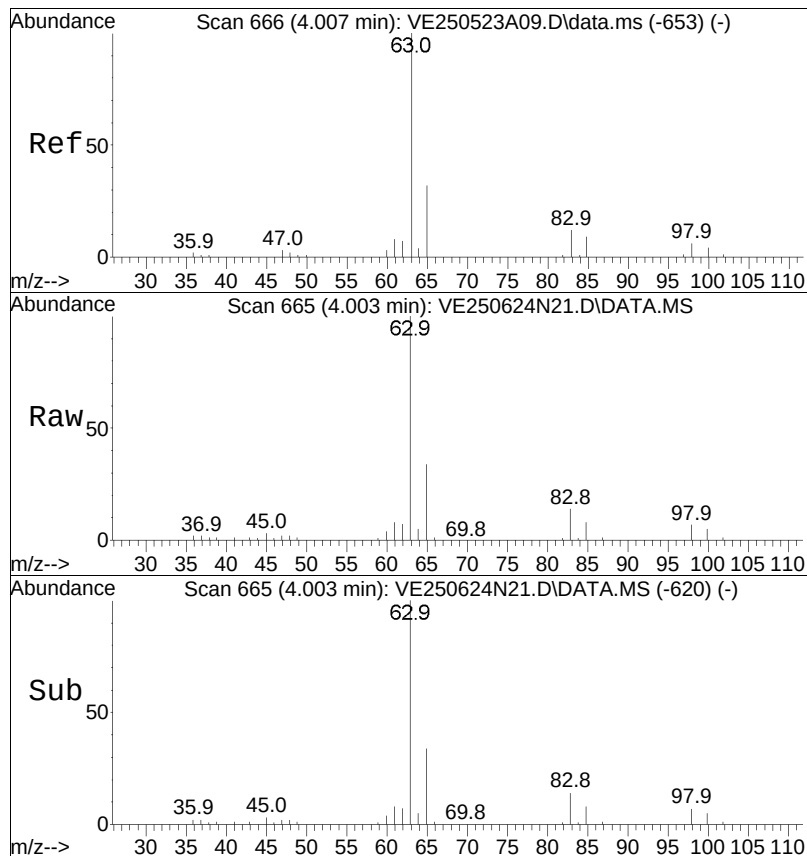
Delta R.T. -0.005 min

Lab File: VE250624N21.D

Acq: 25 Jun 2025 6:34 am

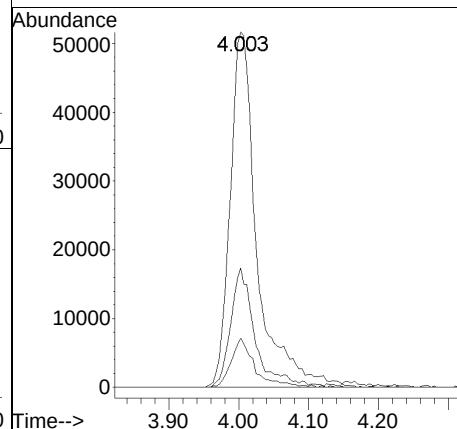
Tgt Ion:	45	Resp:	159930
Ion Ratio	Lower	Upper	
45	100		
43	54.4	33.7	69.9
87	26.9	15.2	31.6
41	20.4	12.9	26.7

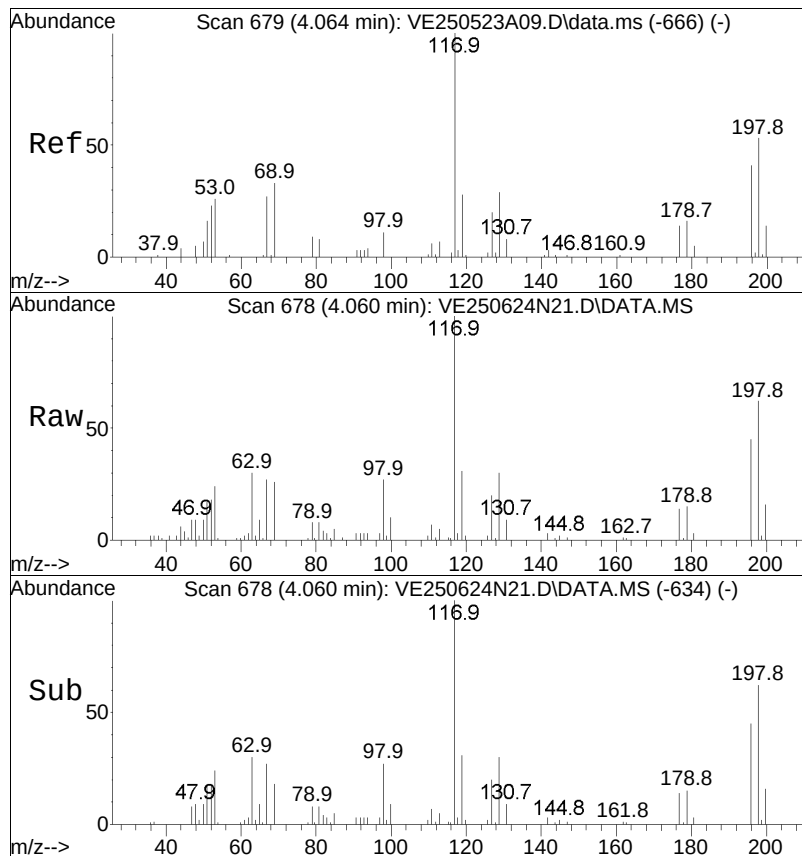




#25
 1,1-Dichloroethane
 Concen: 11.20 ug/L
 RT: 4.003 min Scan# 665
 Delta R.T. -0.005 min
 Lab File: VE250624N21.D
 Acq: 25 Jun 2025 6:34 am

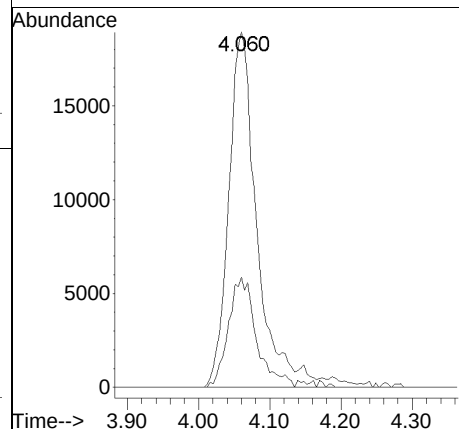
Tgt Ion:	63	Resp:	139723
Ion Ratio	Lower	Upper	
63	100		
65	30.5	10.0	50.0
83	12.2	0.0	32.2

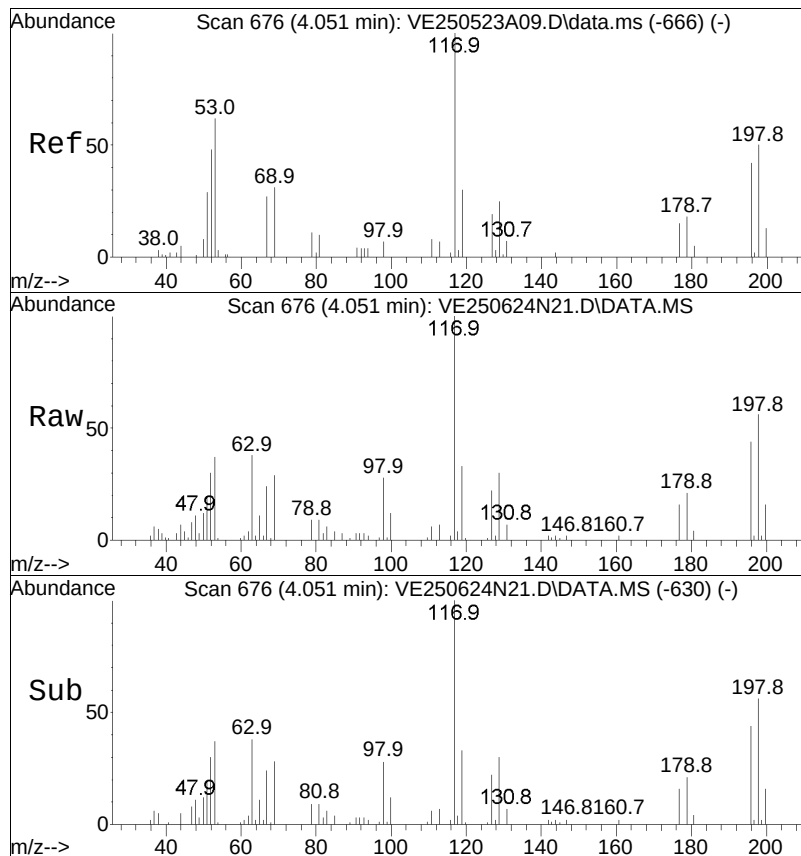




#26
 Halothane
 Concen: 11.38 ug/L
 RT: 4.060 min Scan# 678
 Delta R.T. -0.005 min
 Lab File: VE250624N21.D
 Acq: 25 Jun 2025 6:34 am

Tgt Ion	Ratio	Lower	Upper
117	100		
119	30.0	21.2	44.0





#27

Acrylonitrile

Concen: 8.57 ug/L

RT: 4.051 min Scan# 676

Delta R.T. -0.000 min

Lab File: VE250624N21.D

Acq: 25 Jun 2025 6:34 am

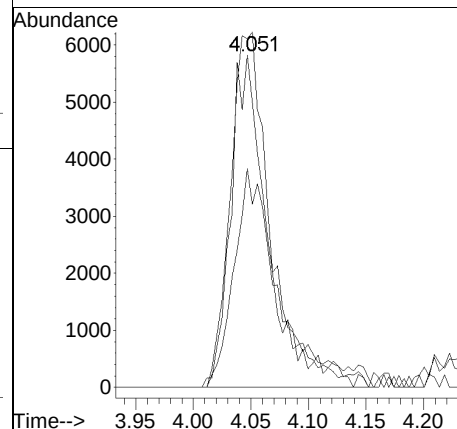
Tgt Ion: 53 Resp: 15783

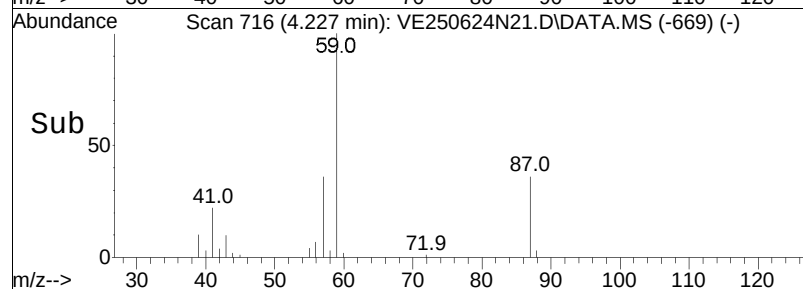
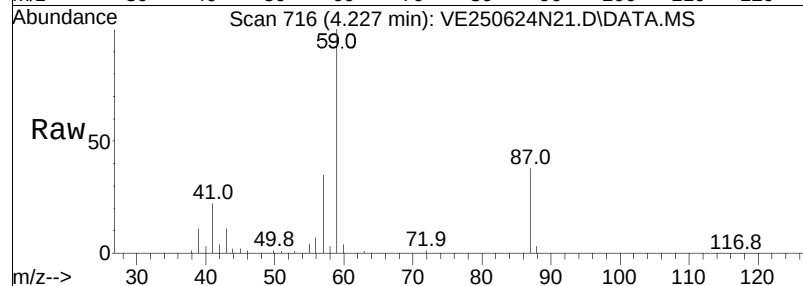
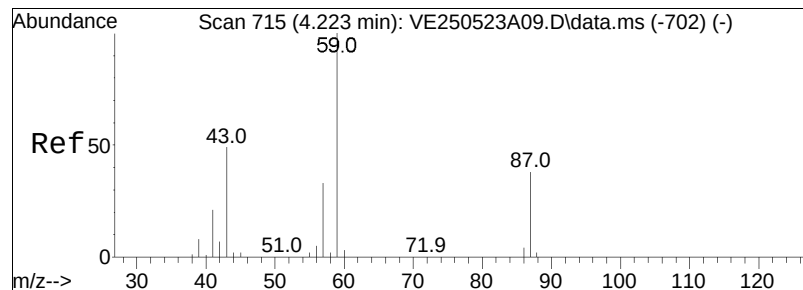
Ion Ratio Lower Upper

53 100

52 85.2 65.8 98.8

51 61.7 47.6 71.4





#28

Ethyl tert-butyl ether

Concen: 7.28 ug/L

RT: 4.227 min Scan# 716

Delta R.T. 0.004 min

Lab File: VE250624N21.D

Acq: 25 Jun 2025 6:34 am

Tgt Ion: 59 Resp: 128562

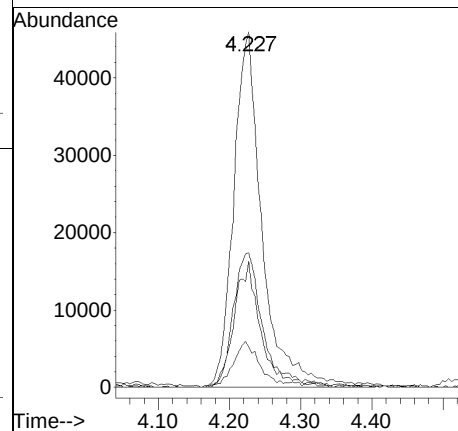
Ion Ratio Lower Upper

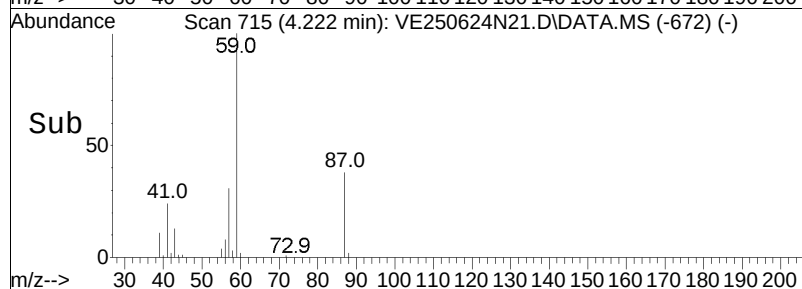
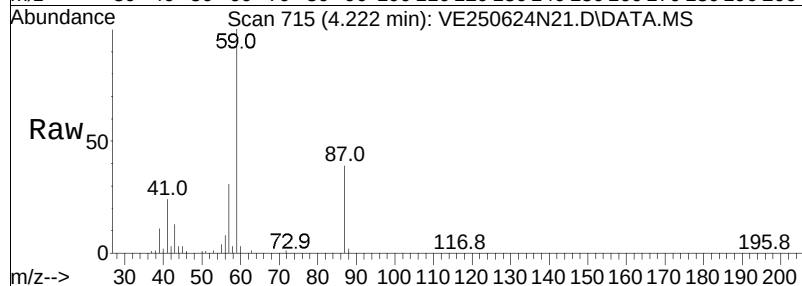
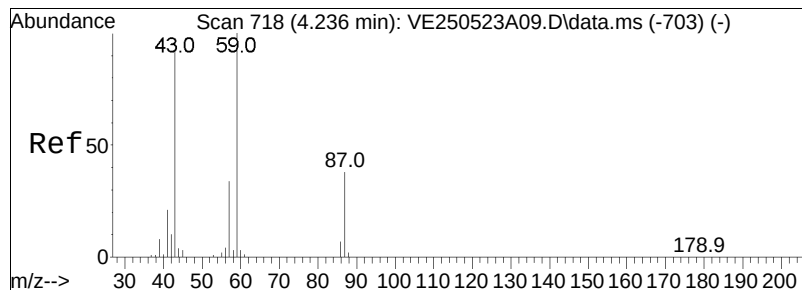
59 100

87 40.1 24.0 49.8

57 33.1 21.6 45.0

43 13.2 47.6 98.8#





#29

Vinyl acetate

Concen: 1.43 ug/L

RT: 4.222 min Scan# 715

Delta R.T. -0.013 min

Lab File: VE250624N21.D

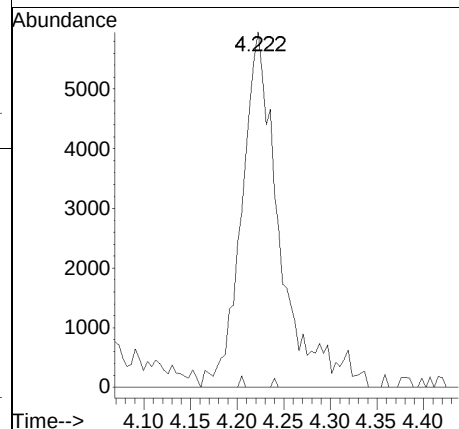
Acq: 25 Jun 2025 6:34 am

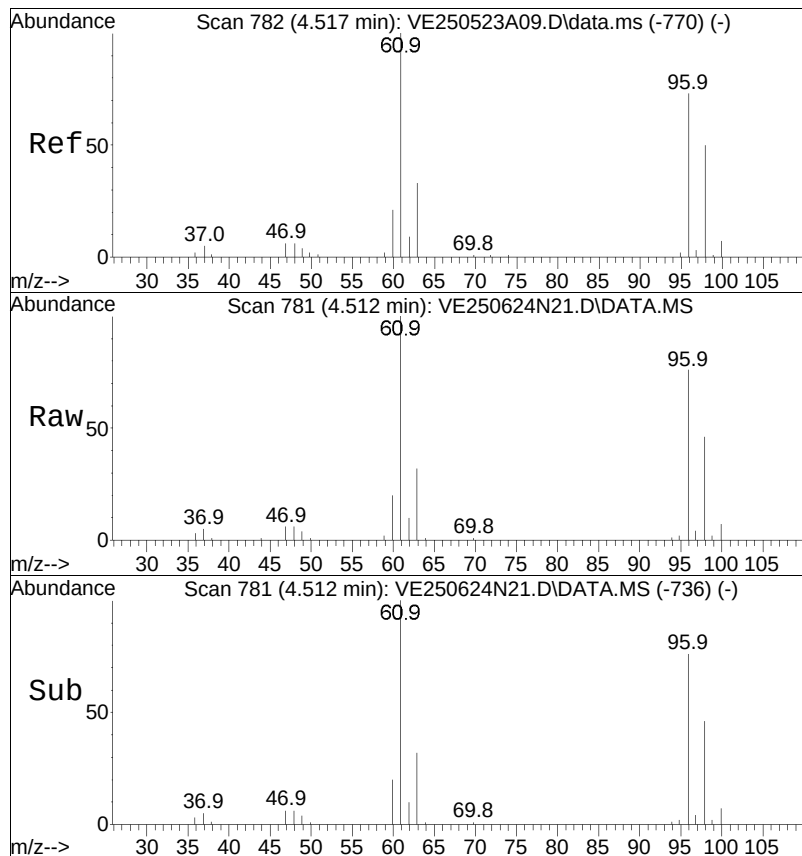
Tgt Ion: 43 Resp: 17023

Ion Ratio Lower Upper

43 100

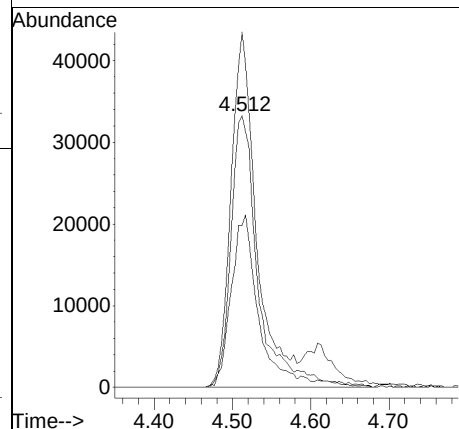
86 0.2 5.8 8.8#

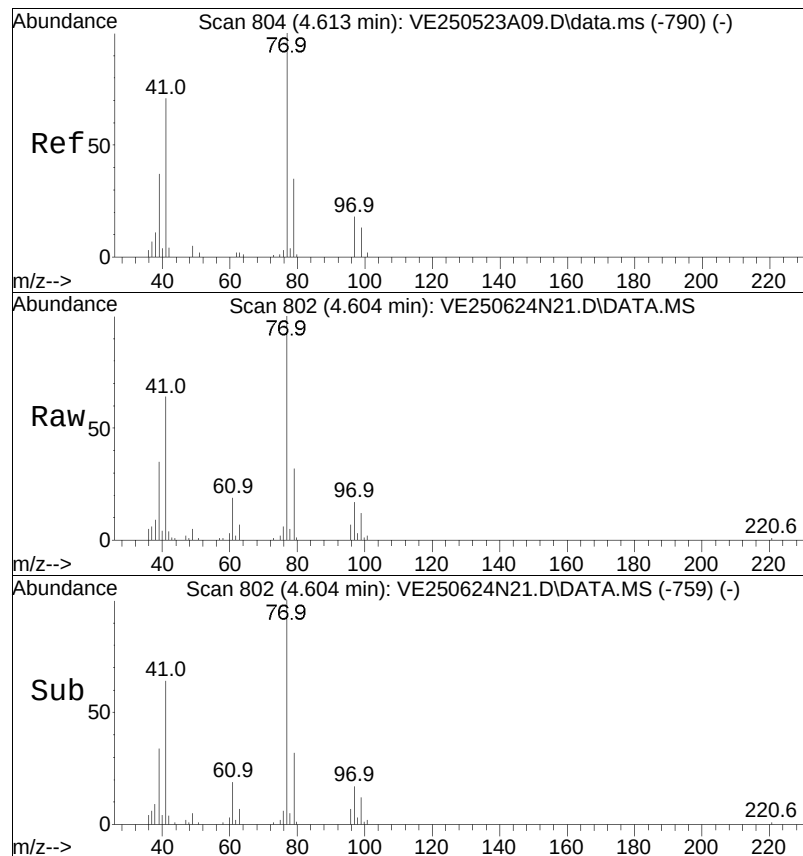




#30
 cis-1,2-Dichloroethene
 Concen: 11.09 ug/L
 RT: 4.512 min Scan# 781
 Delta R.T. -0.005 min
 Lab File: VE250624N21.D
 Acq: 25 Jun 2025 6:34 am

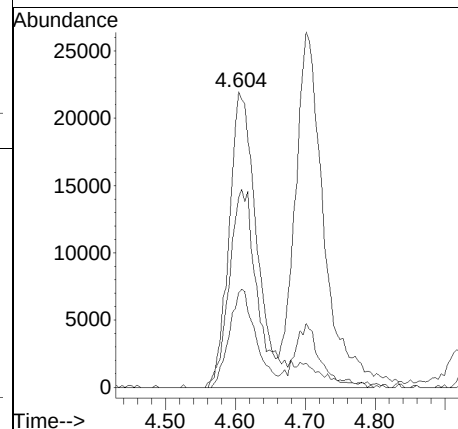
Tgt Ion:	96	Resp:	81230
Ion Ratio	Lower	Upper	
96	100		
61	138.9	131.5	197.3
98	65.4	51.8	77.8

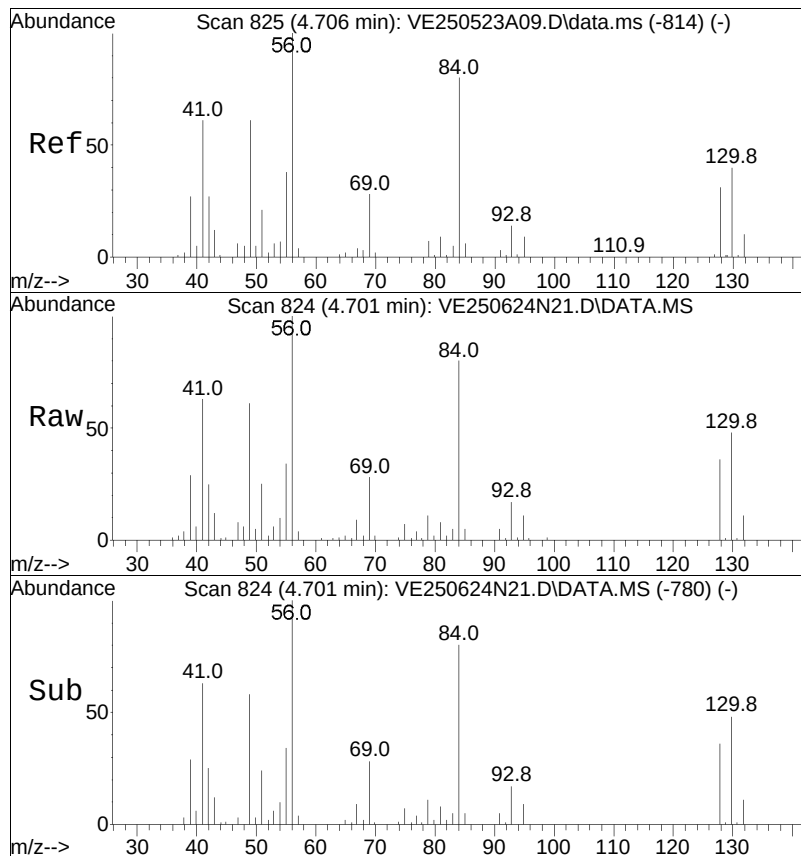




#31
 2,2-Dichloropropane
 Concen: 6.88 ug/L
 RT: 4.604 min Scan# 802
 Delta R.T. -0.009 min
 Lab File: VE250624N21.D
 Acq: 25 Jun 2025 6:34 am

Tgt Ion	Ratio	Lower	Upper
77	100		
41	60.3	47.5	98.7
79	30.3	20.7	43.1





#33

Bromochloromethane

Concen: 10.88 ug/L

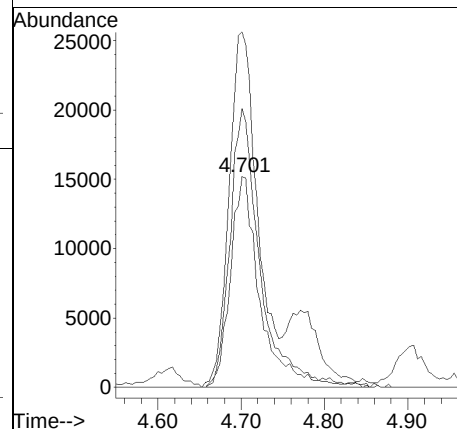
RT: 4.701 min Scan# 824

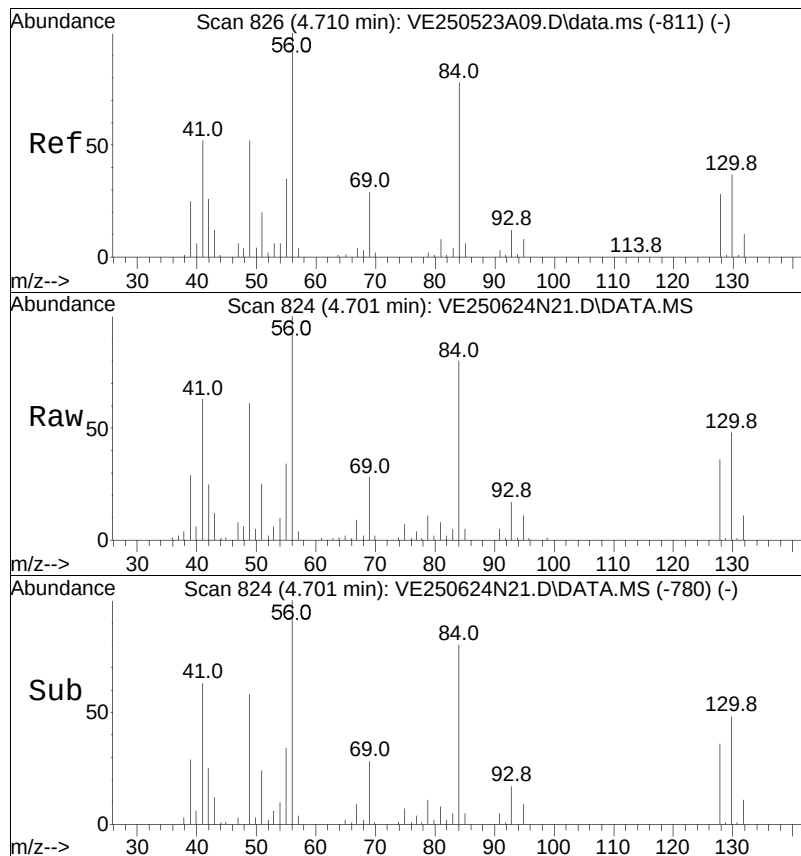
Delta R.T. -0.005 min

Lab File: VE250624N21.D

Acq: 25 Jun 2025 6:34 am

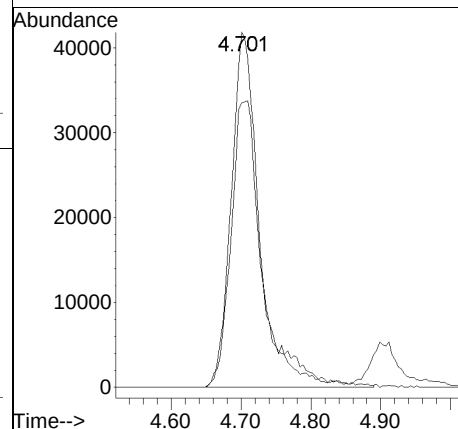
Tgt	Ion:128	Resp:	37995
Ion	Ratio	Lower	Upper
128	100		
49	203.3	194.2	291.2
130	133.7	99.7	149.5

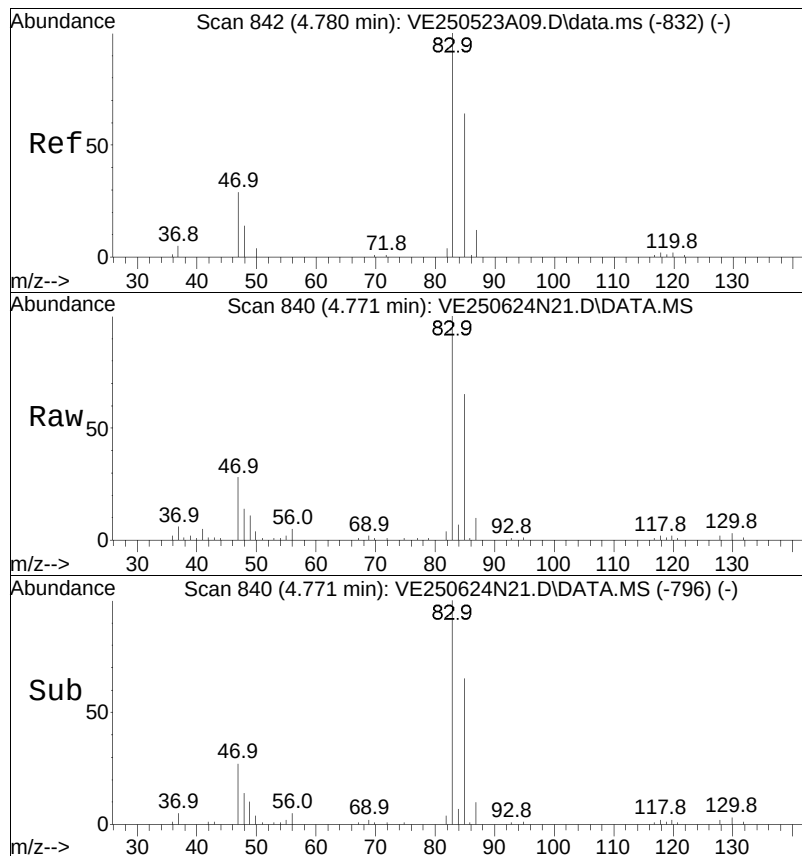




#34
 Cyclohexane
 Concen: 8.97 ug/L
 RT: 4.701 min Scan# 824
 Delta R.T. -0.009 min
 Lab File: VE250624N21.D
 Acq: 25 Jun 2025 6:34 am

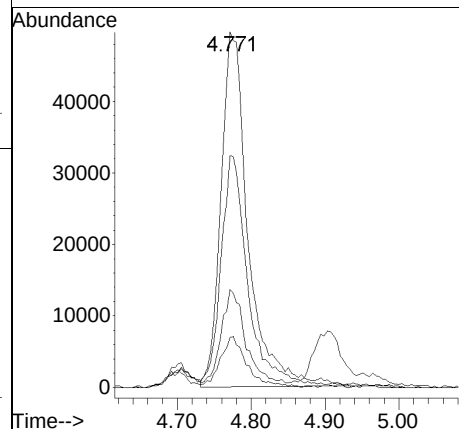
Tgt Ion	Ratio	Lower	Upper
56	100		
84	88.3	51.9	107.9

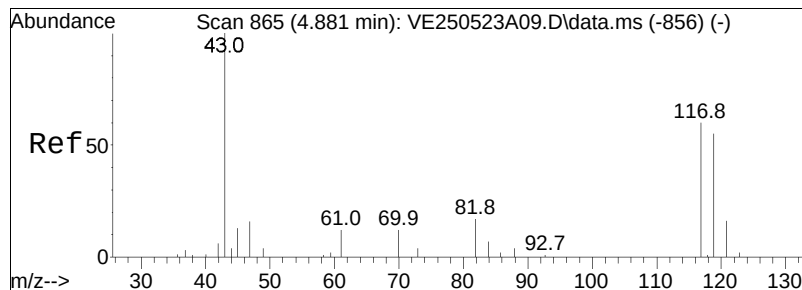




#35
 Chloroform
 Concen: 10.95 ug/L
 RT: 4.771 min Scan# 840
 Delta R.T. -0.009 min
 Lab File: VE250624N21.D
 Acq: 25 Jun 2025 6:34 am

Tgt Ion:	83	Resp:	127598
Ion Ratio	Lower	Upper	
83	100		
85	64.5	41.7	86.5
47	23.2	17.4	36.2
48	14.0	9.2	19.0





#36

Ethyl acetate

Concen: 7.07 ug/L

RT: 4.881 min Scan# 865

Delta R.T. -0.000 min

Lab File: VE250624N21.D

Acq: 25 Jun 2025 6:34 am

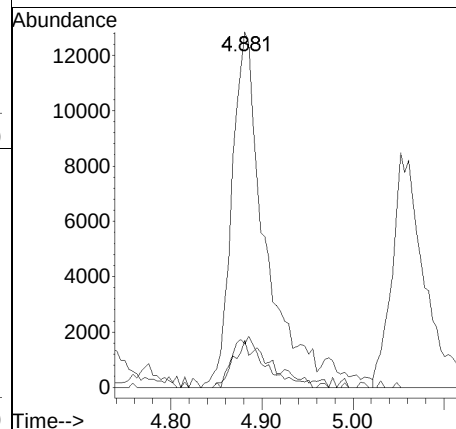
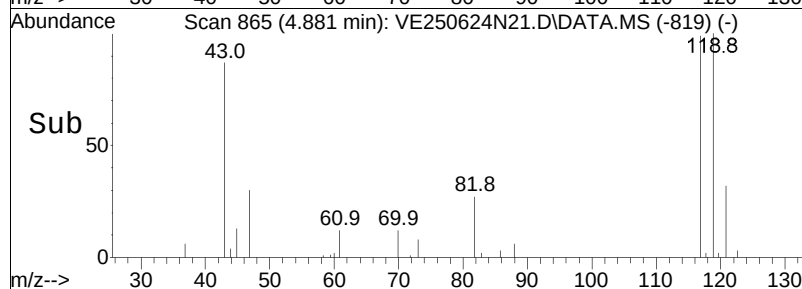
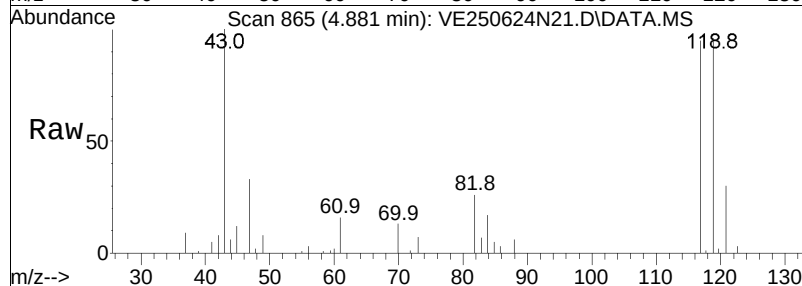
Tgt Ion: 43 Resp: 34040

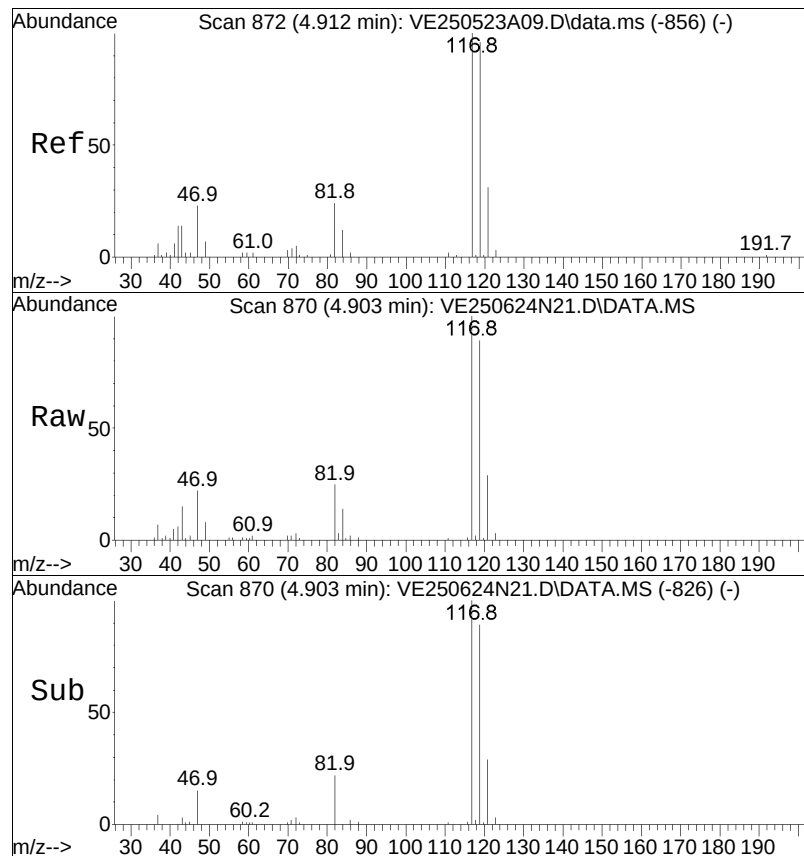
Ion Ratio Lower Upper

43 100

45 13.9 10.6 15.8

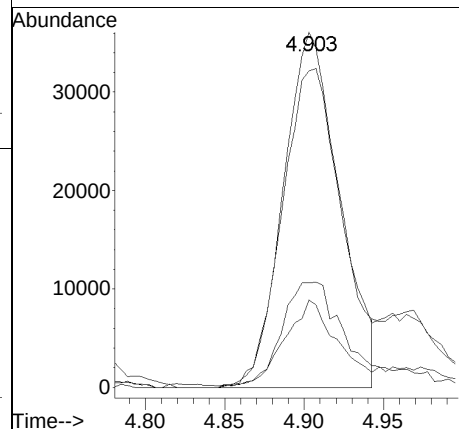
70 14.8 9.5 14.3#

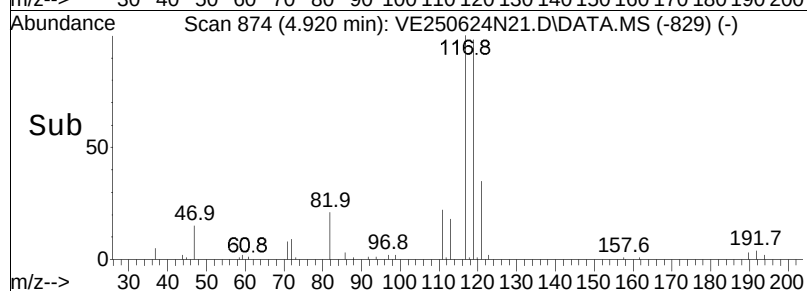
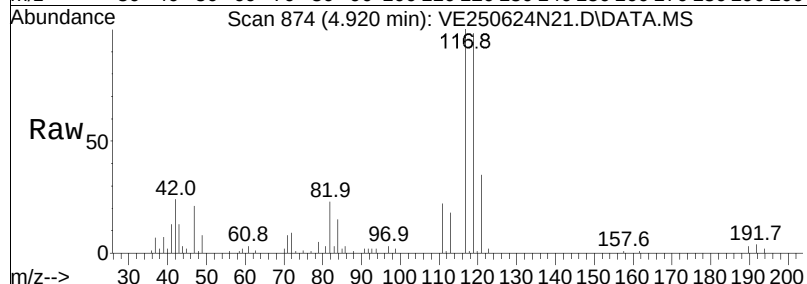
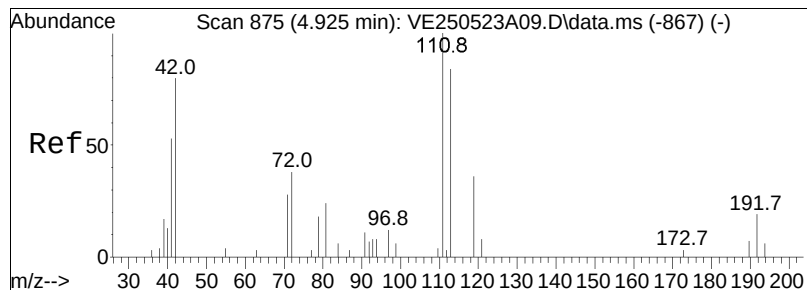




#37
 Carbon tetrachloride
 Concen: 10.84 ug/L M6
 RT: 4.903 min Scan# 870
 Delta R.T. -0.009 min
 Lab File: VE250624N21.D
 Acq: 25 Jun 2025 6:34 am

Tgt Ion:	117	Resp:	88867
Ion Ratio	Lower	Upper	
117	100		
119	120.6	70.5	146.5
121	38.9	23.0	47.8
82	28.9	19.2	39.8





#38

Tetrahydrofuran

Concen: 8.54 ug/L

RT: 4.920 min Scan# 874

Delta R.T. -0.005 min

Lab File: VE250624N21.D

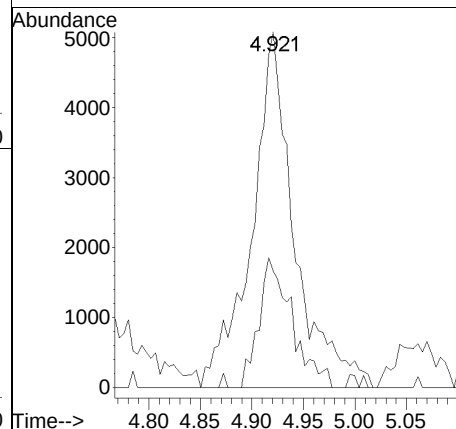
Acq: 25 Jun 2025 6:34 am

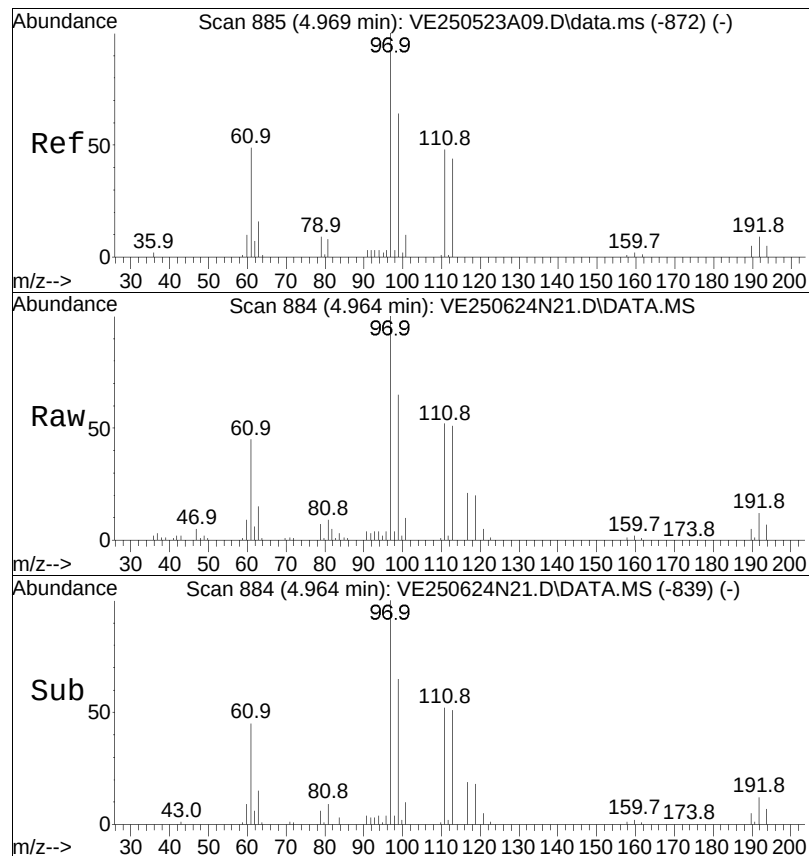
Tgt Ion: 42 Resp: 14628

Ion Ratio Lower Upper

42 100

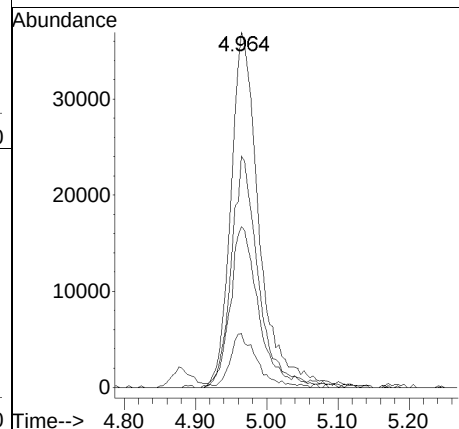
71 28.3 23.5 35.3

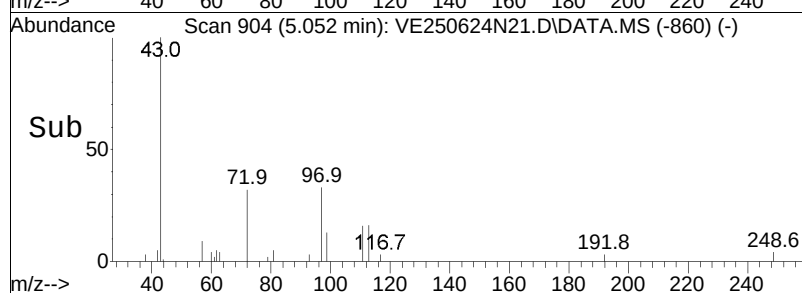
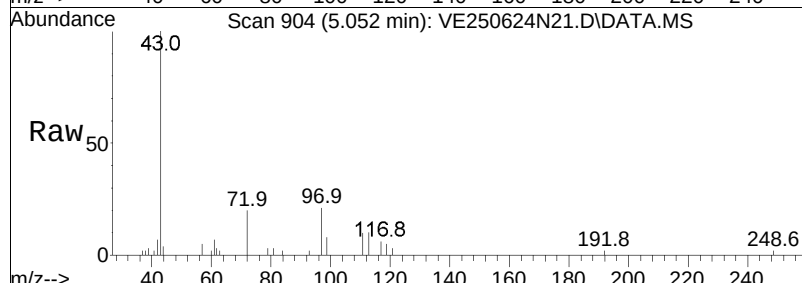
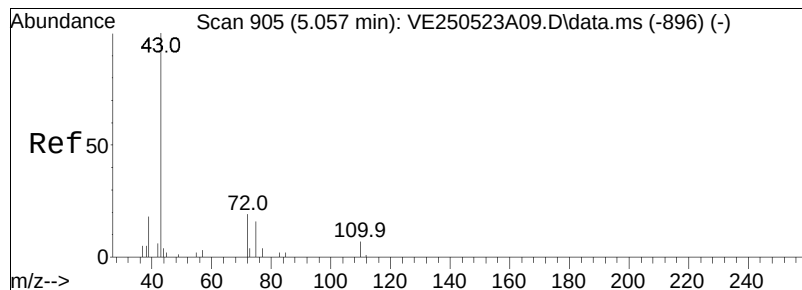




#40
 1,1,1-Trichloroethane
 Concen: 10.88 ug/L
 RT: 4.964 min Scan# 884
 Delta R.T. -0.005 min
 Lab File: VE250624N21.D
 Acq: 25 Jun 2025 6:34 am

Tgt Ion:	97	Resp:	103186
Ion Ratio	Lower	Upper	
97	100		
99	62.5	41.2	85.6
61	46.0	32.8	68.2
63	14.6	10.1	20.9





#42

2-Butanone

Concen: 10.37 ug/L

RT: 5.052 min Scan# 904

Delta R.T. -0.005 min

Lab File: VE250624N21.D

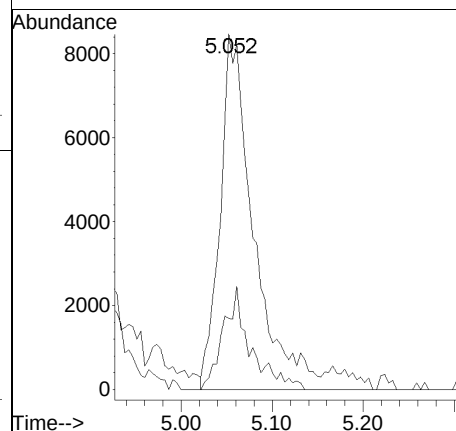
Acq: 25 Jun 2025 6:34 am

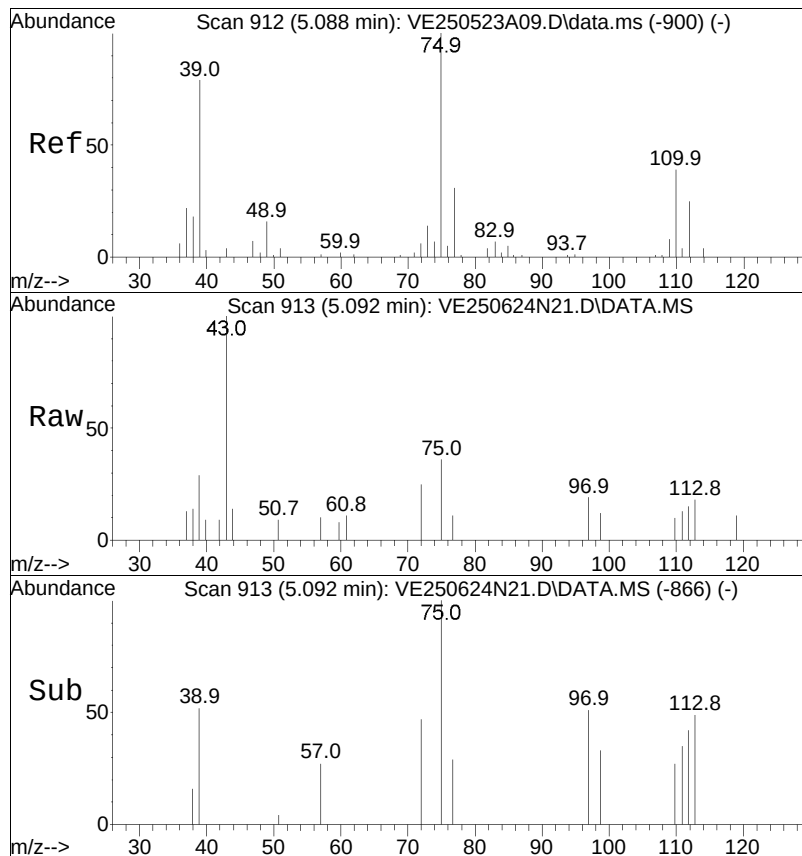
Tgt Ion: 43 Resp: 22687

Ion Ratio Lower Upper

43 100

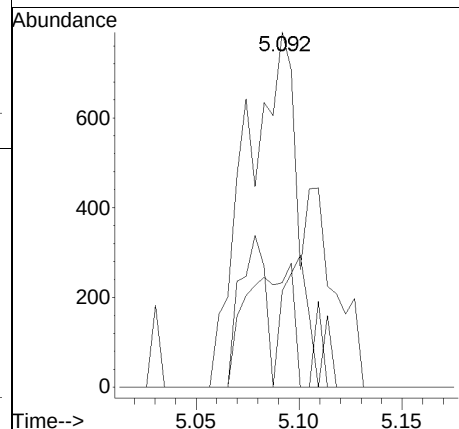
72 22.6 30.2 45.4#

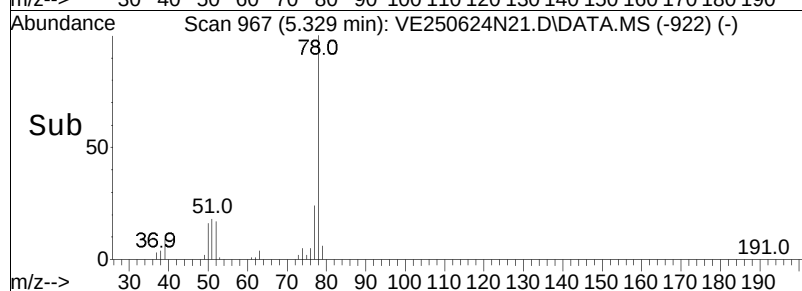
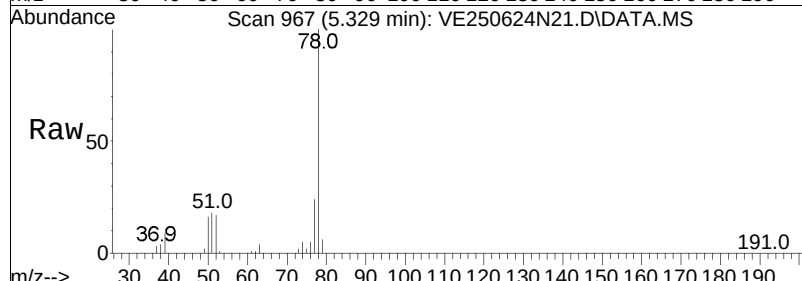
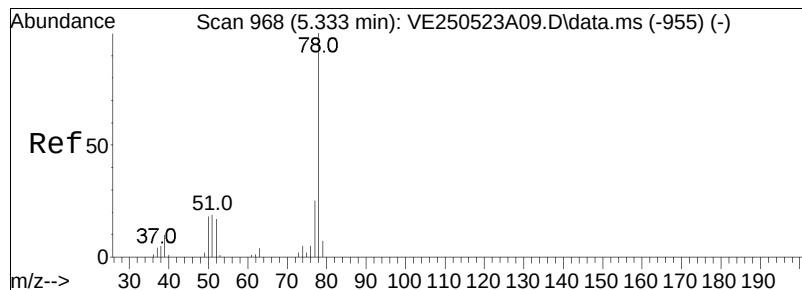




#43
 1,1-Dichloropropene
 Concen: 0.24 ug/L
 RT: 5.092 min Scan# 913
 Delta R.T. 0.004 min
 Lab File: VE250624N21.D
 Acq: 25 Jun 2025 6:34 am

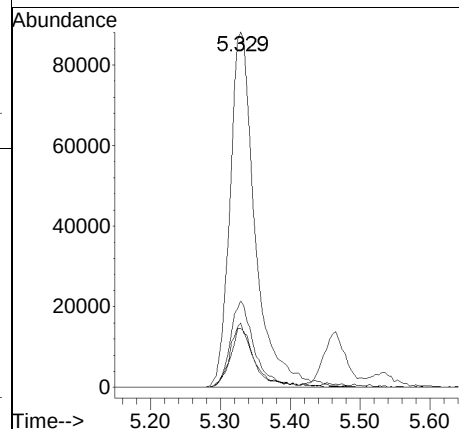
Tgt Ion:	75	Resp:	1739
Ion Ratio	Lower	Upper	
75	100		
110	16.4	22.7	47.3#
77	23.8	20.1	41.7

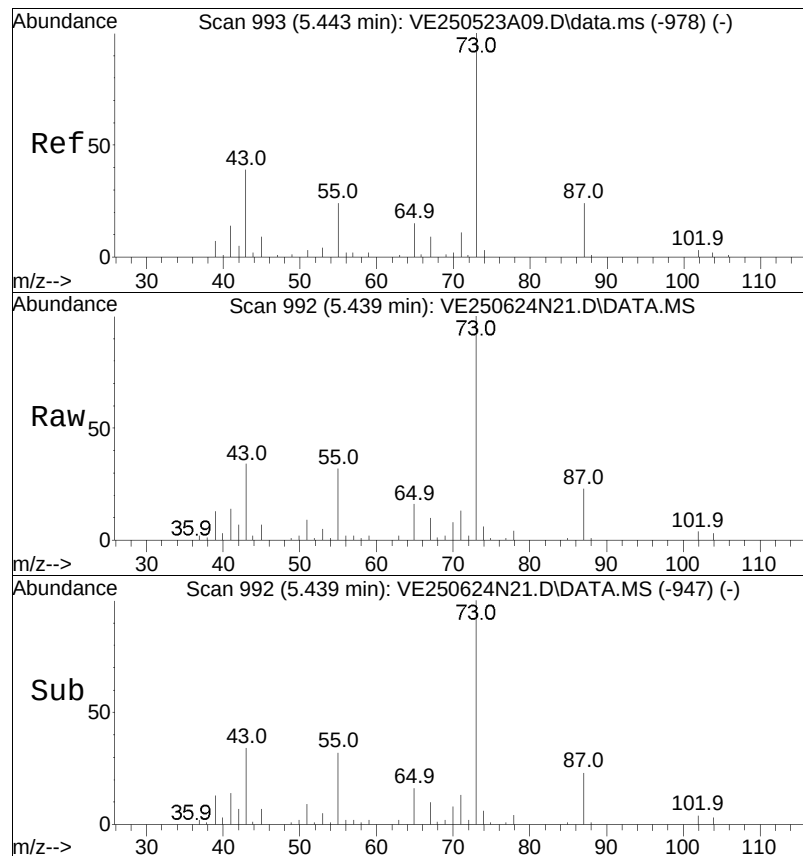




#45
Benzene
Concen: 9.00 ug/L
RT: 5.329 min Scan# 967
Delta R.T. -0.005 min
Lab File: VE250624N21.D
Acq: 25 Jun 2025 6:34 am

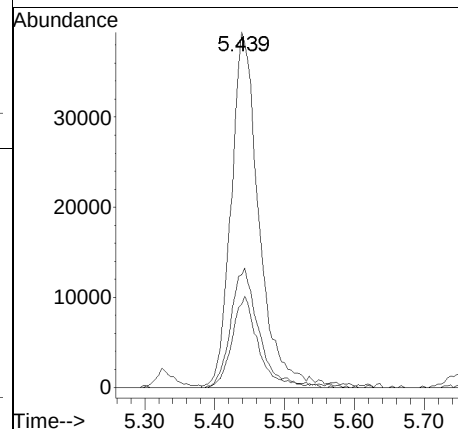
Tgt Ion:	78	Resp:	223979
Ion Ratio	Lower	Upper	
78	100		
77	23.5	15.1	31.3
51	17.0	12.7	26.5
52	16.7	12.2	25.4

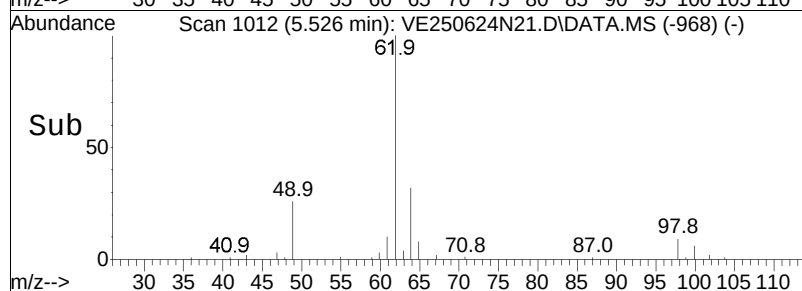
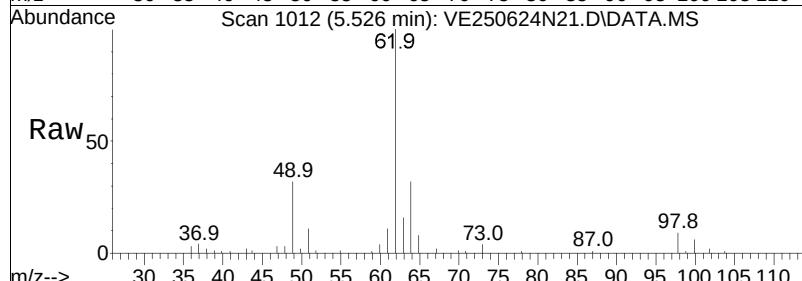
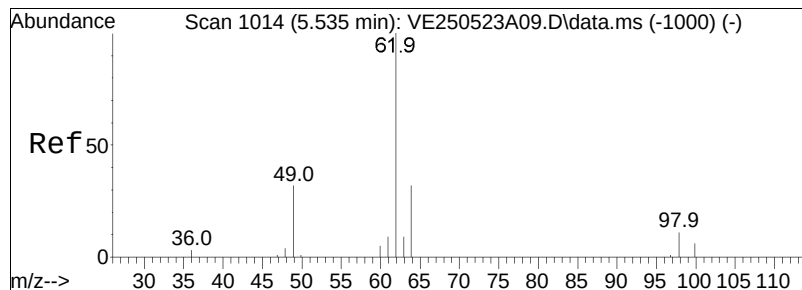




#46
 tert-Amyl methyl ether
 Concen: 7.38 ug/L
 RT: 5.439 min Scan# 992
 Delta R.T. -0.005 min
 Lab File: VE250624N21.D
 Acq: 25 Jun 2025 6:34 am

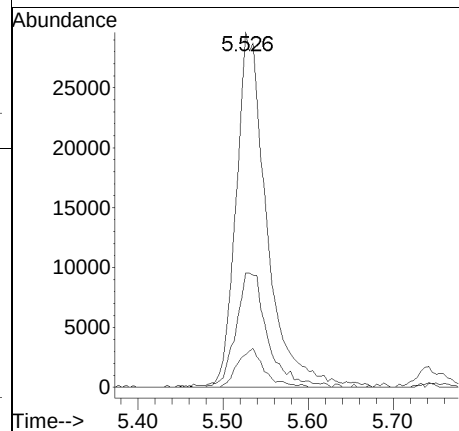
Tgt Ion	Ratio	Lower	Upper
73	100		
55	34.0	25.0	51.8
87	24.0	15.1	31.3

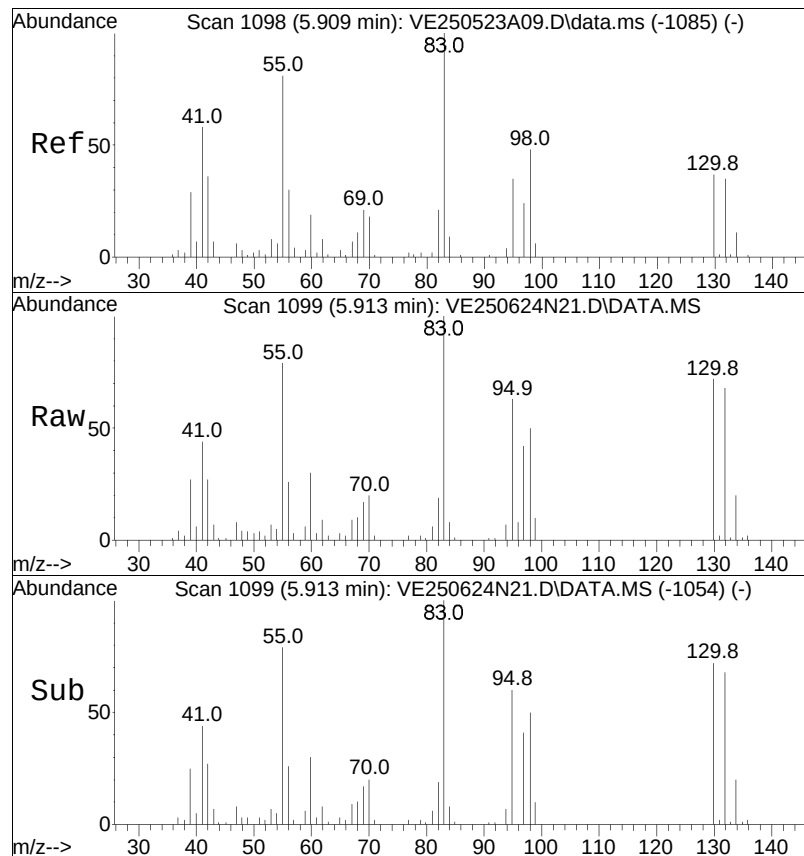




#48
 1,2-Dichloroethane
 Concen: 10.02 ug/L
 RT: 5.526 min Scan# 1012
 Delta R.T. -0.009 min
 Lab File: VE250624N21.D
 Acq: 25 Jun 2025 6:34 am

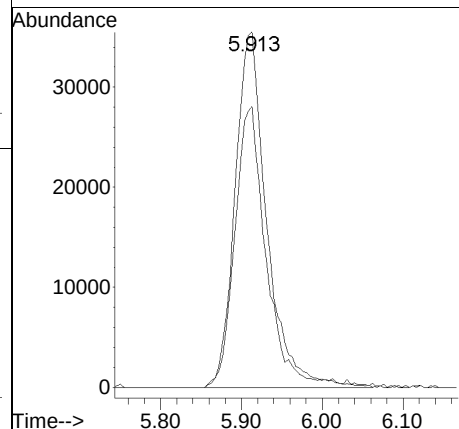
Tgt Ion	Ratio	Lower	Upper
62	100		
64	33.3	12.6	52.6
98	9.7	0.0	28.3

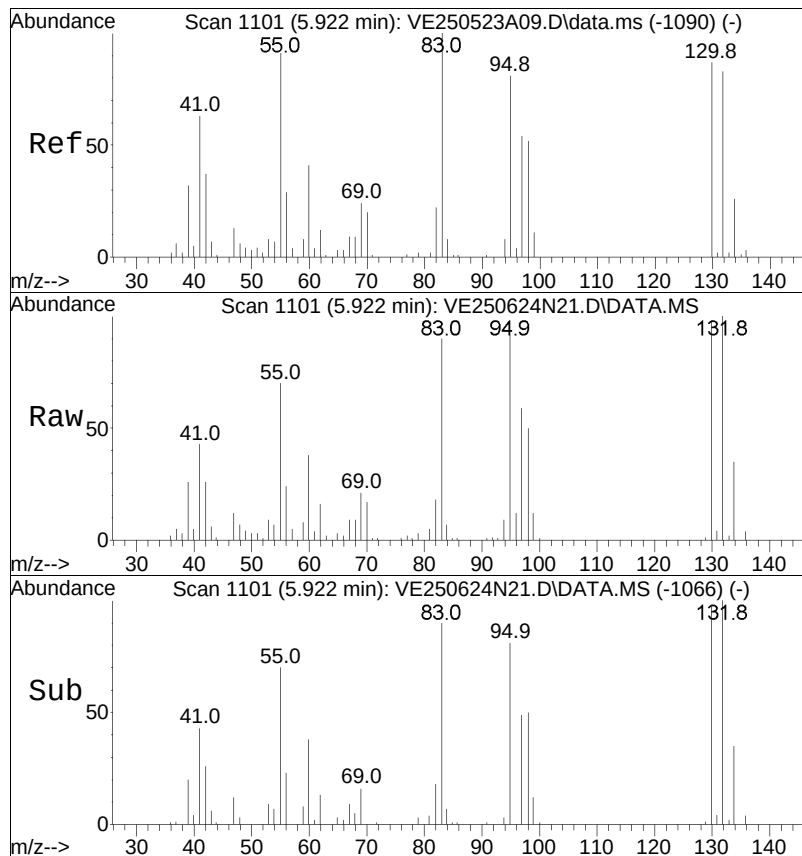




#51
Methyl cyclohexane
Concen: 8.61 ug/L
RT: 5.913 min Scan# 1099
Delta R.T. 0.004 min
Lab File: VE250624N21.D
Acq: 25 Jun 2025 6:34 am

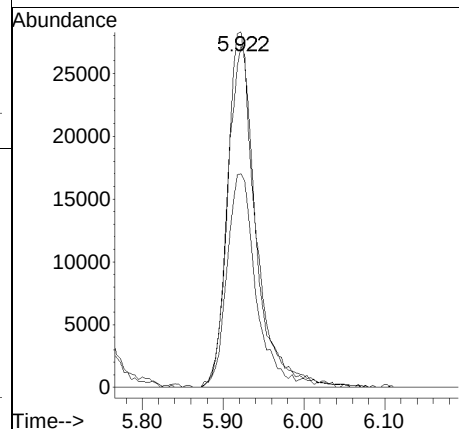
Tgt Ion: 83 Resp: 96782
Ion Ratio Lower Upper
83 100
55 78.9 72.5 108.7

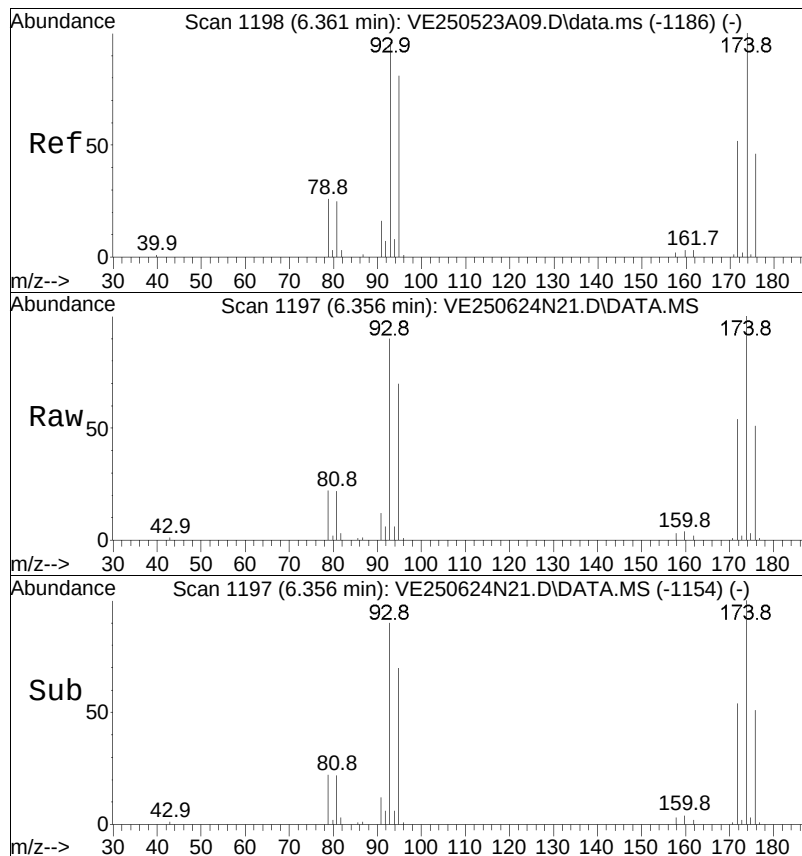




#52
 Trichloroethene
 Concen: 10.83 ug/L
 RT: 5.922 min Scan# 1101
 Delta R.T. -0.000 min
 Lab File: VE250624N21.D
 Acq: 25 Jun 2025 6:34 am

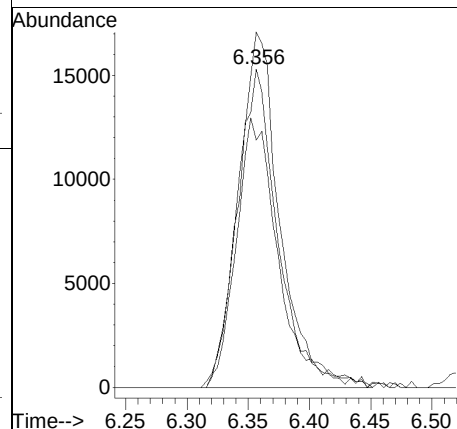
Tgt Ion	Ratio	Lower	Upper
95	100		
97	65.5	54.6	81.8
130	105.8	79.5	119.3

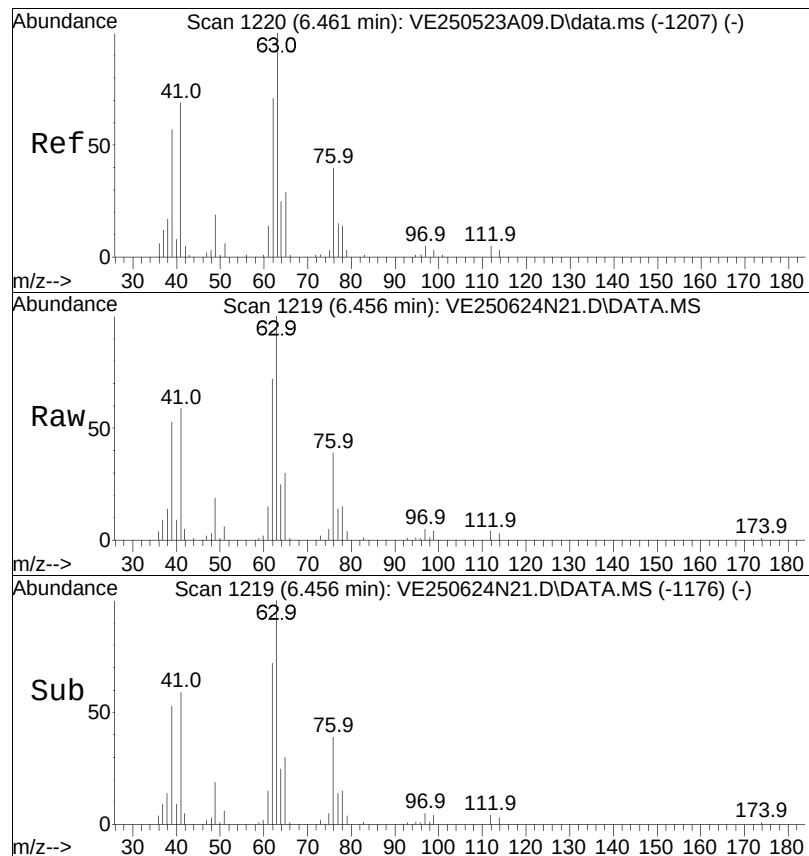




#54
 Dibromomethane
 Concen: 10.04 ug/L
 RT: 6.356 min Scan# 1197
 Delta R.T. -0.005 min
 Lab File: VE250624N21.D
 Acq: 25 Jun 2025 6:34 am

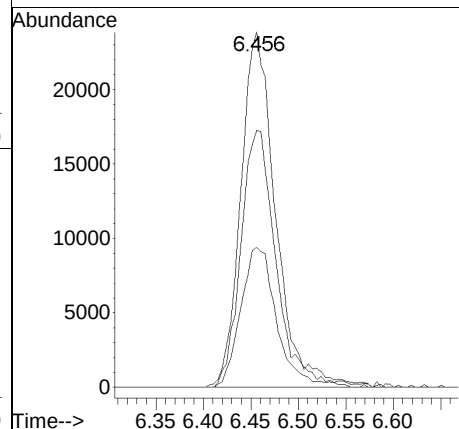
Tgt Ion:	93	Resp:	35621
Ion Ratio	Lower	Upper	
93	100		
95	87.1	65.3	97.9
174	113.8	82.6	123.8

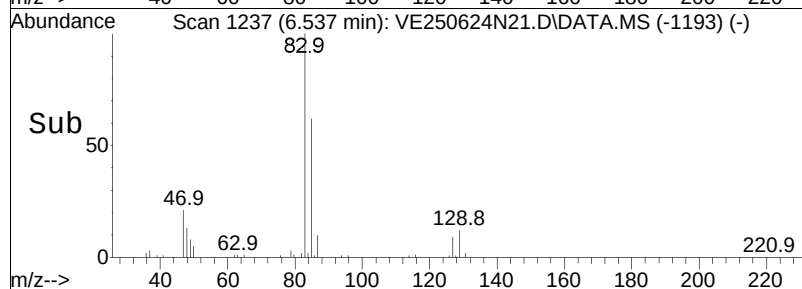
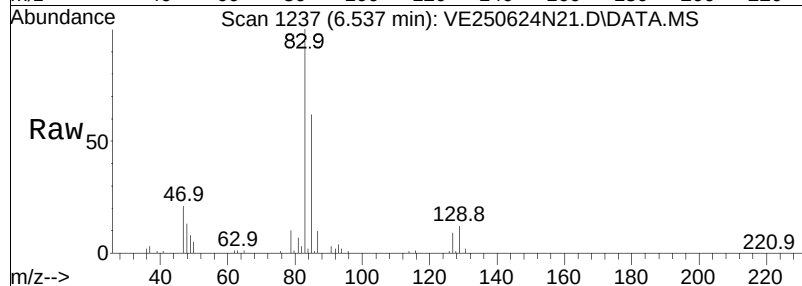
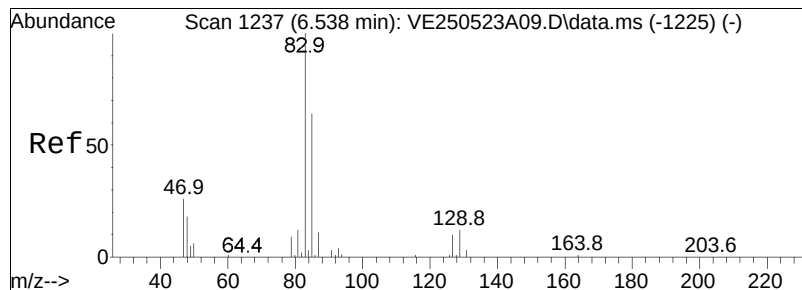




#55
 1,2-Dichloropropane
 Concen: 9.44 ug/L
 RT: 6.456 min Scan# 1219
 Delta R.T. -0.005 min
 Lab File: VE250624N21.D
 Acq: 25 Jun 2025 6:34 am

Tgt Ion:	63	Resp:	61216
Ion Ratio	Lower	Upper	
63	100		
62	73.2	57.3	85.9
76	40.7	33.4	50.2





#58

Bromodichloromethane

Concen: 9.62 ug/L

RT: 6.537 min Scan# 1237

Delta R.T. -0.000 min

Lab File: VE250624N21.D

Acq: 25 Jun 2025 6:34 am

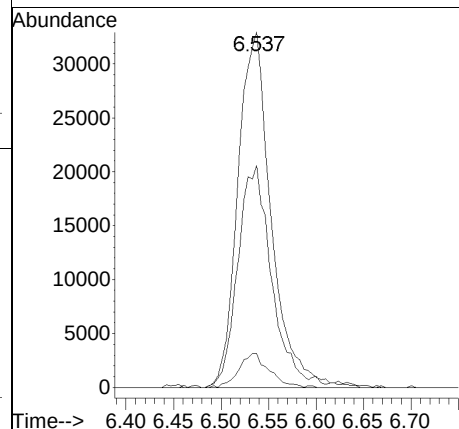
Tgt Ion: 83 Resp: 80762

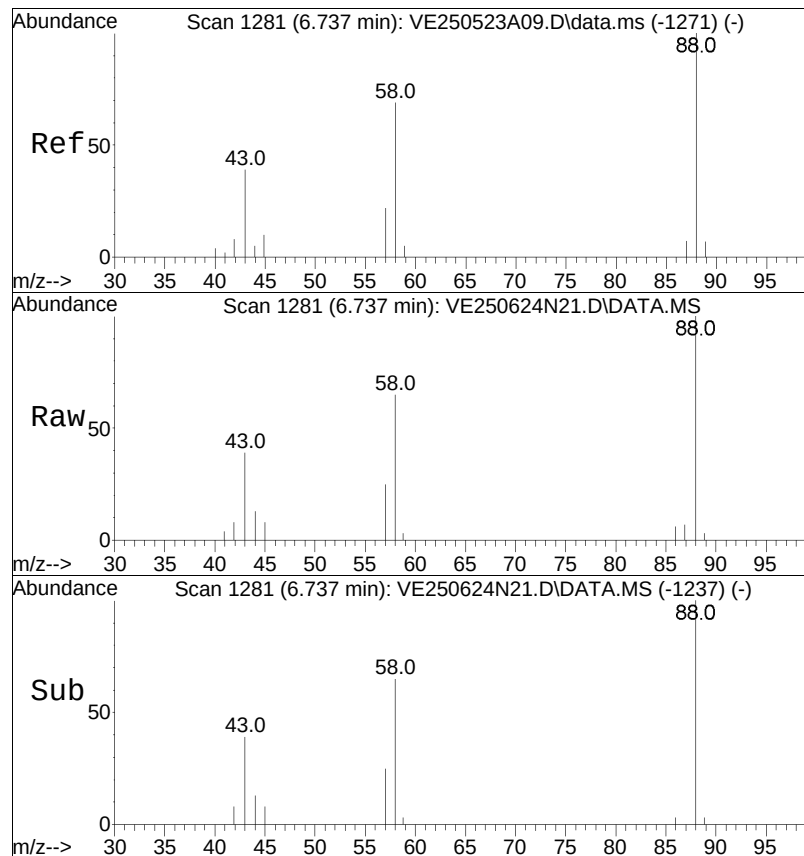
Ion Ratio Lower Upper

83 100

85 63.9 51.9 77.9

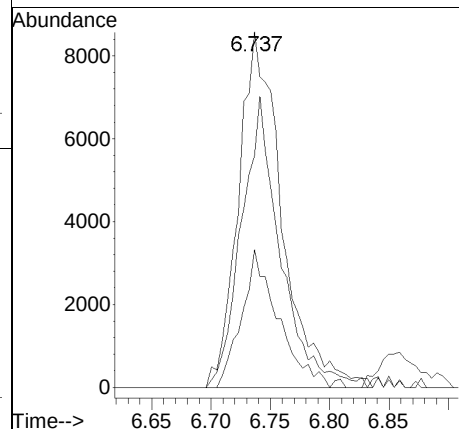
127 8.6 7.3 10.9

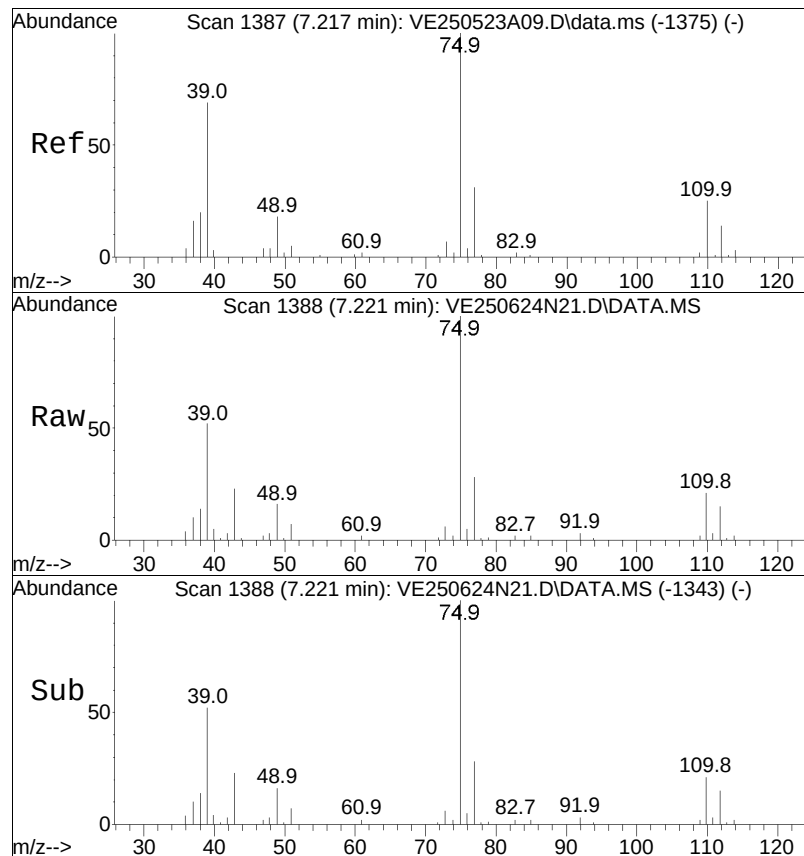




#61
 1,4-Dioxane
 Concen: 709.22 ug/L
 RT: 6.737 min Scan# 1281
 Delta R.T. -0.000 min
 Lab File: VE250624N21.D
 Acq: 25 Jun 2025 6:34 am

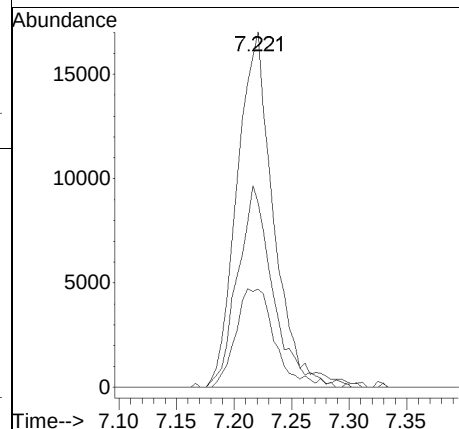
Tgt Ion	Ratio	Lower	Upper
88	100		
58	73.0	63.4	95.0
43	32.5	29.4	44.2

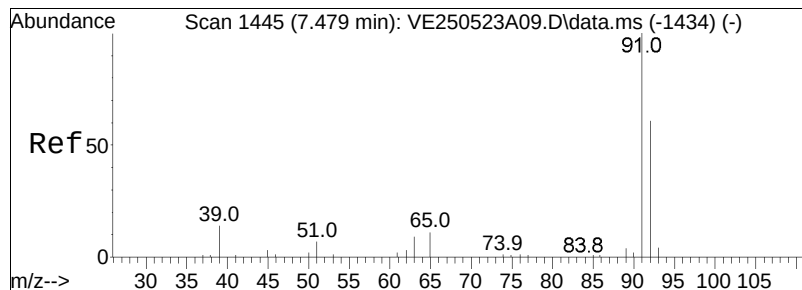




#62
 cis-1,3-Dichloropropene
 Concen: 4.04 ug/L
 RT: 7.221 min Scan# 1388
 Delta R.T. 0.004 min
 Lab File: VE250624N21.D
 Acq: 25 Jun 2025 6:34 am

Tgt Ion	Ratio	Lower	Upper
75	100		
77	29.9	25.1	37.7
39	55.4	47.5	71.3





#65

Toluene

Concen: 0.44 ug/L

RT: 7.479 min Scan# 1445

Delta R.T. -0.000 min

Lab File: VE250624N21.D

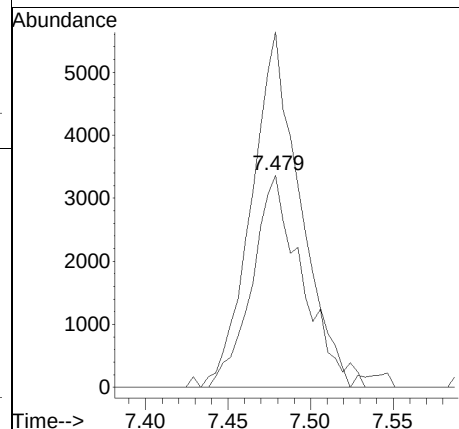
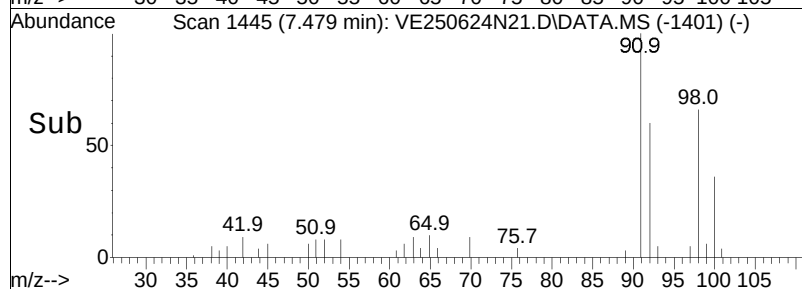
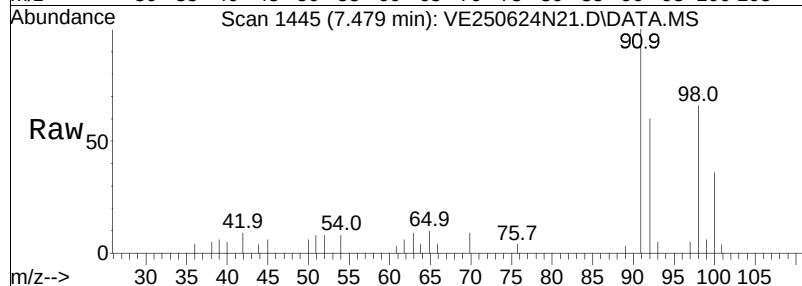
Acq: 25 Jun 2025 6:34 am

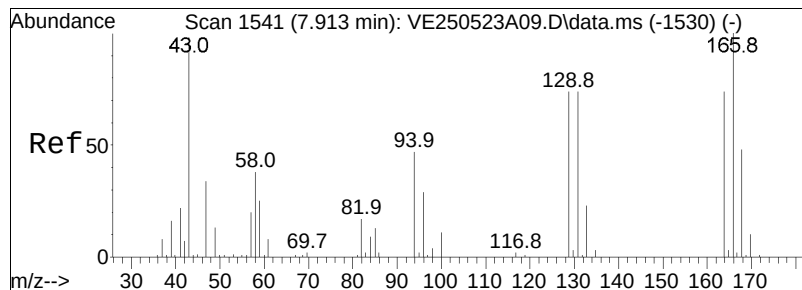
Tgt Ion: 92 Resp: 7144

Ion Ratio Lower Upper

92 100

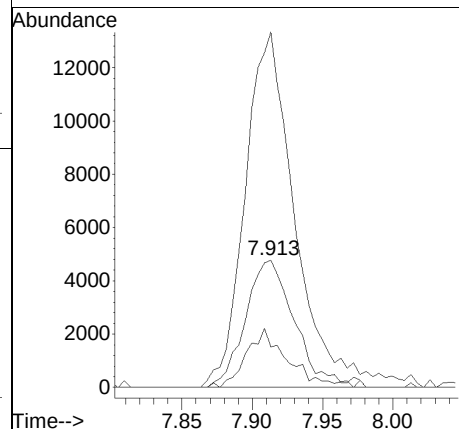
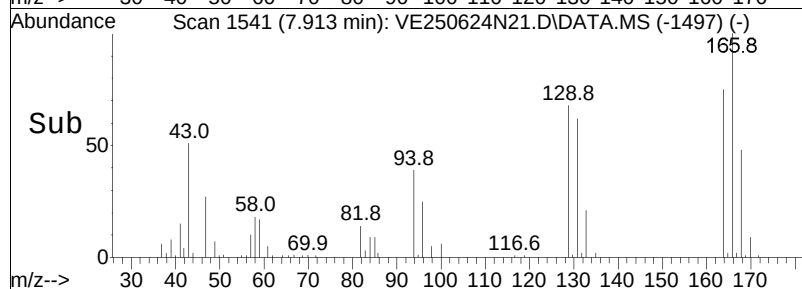
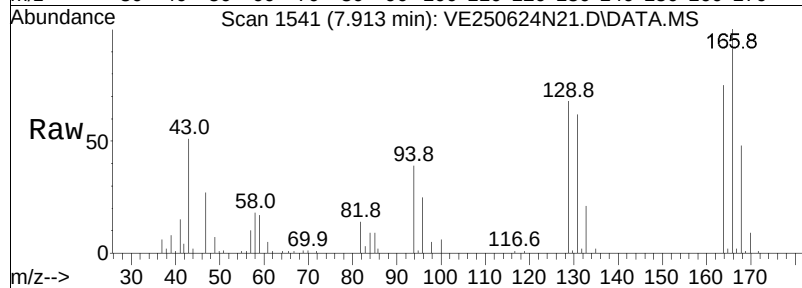
91 162.4 134.2 201.2

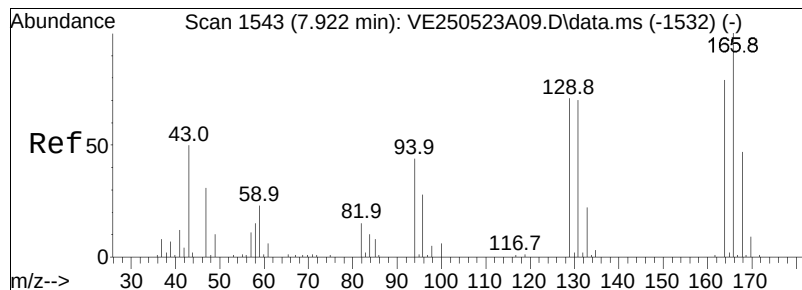




#66
 4-Methyl-2-pentanone
 Concen: 7.32 ug/L
 RT: 7.913 min Scan# 1541
 Delta R.T. -0.000 min
 Lab File: VE250624N21.D
 Acq: 25 Jun 2025 6:34 am

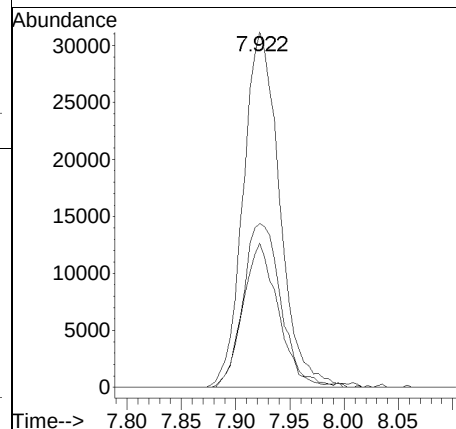
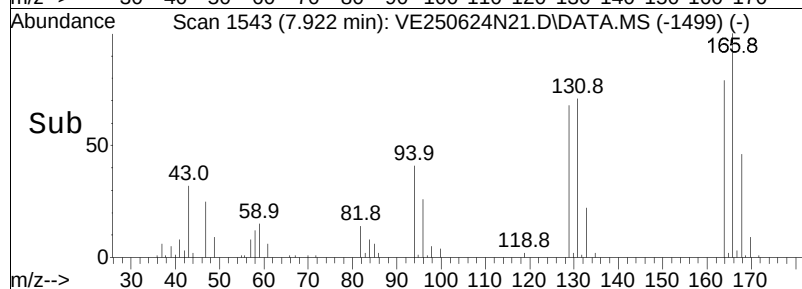
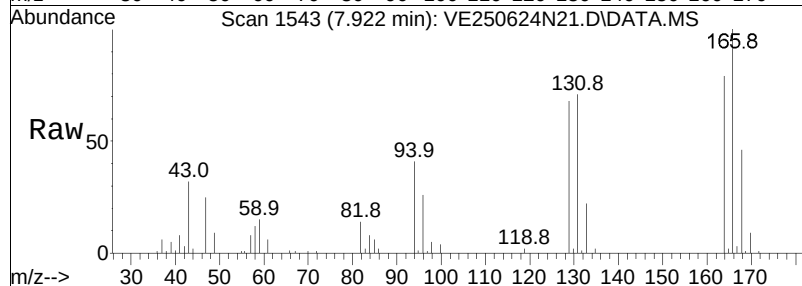
Tgt Ion:	58	Resp:	11677
Ion Ratio	Lower	Upper	
58	100		
100	39.5	29.9	44.9
43	285.2	230.2	345.4

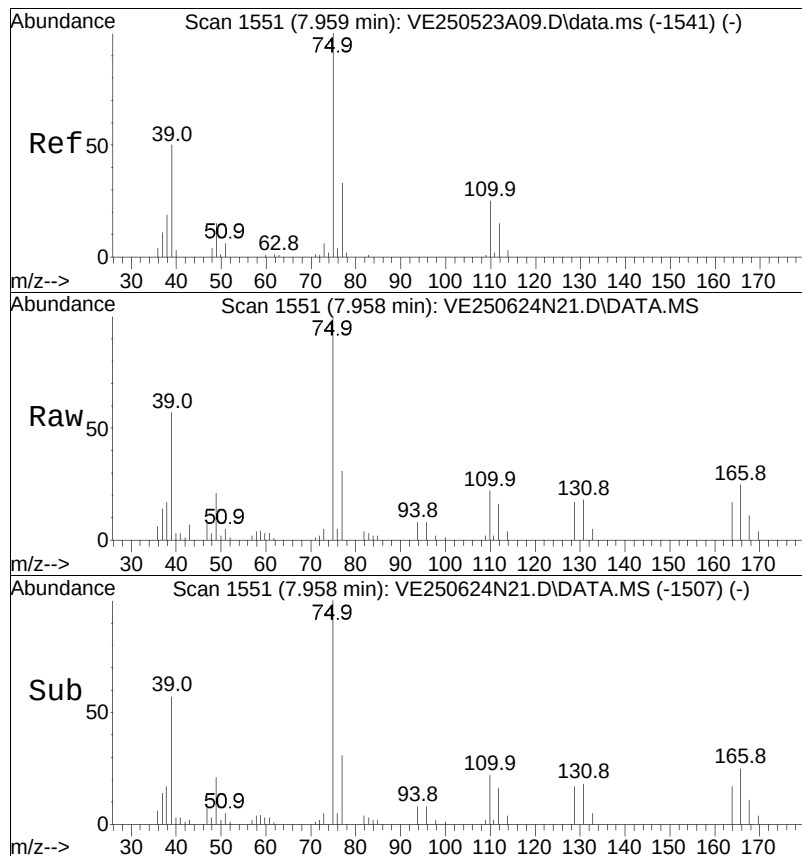




#67
Tetrachloroethene
Concen: 10.90 ug/L
RT: 7.922 min Scan# 1543
Delta R.T. -0.000 min
Lab File: VE250624N21.D
Acq: 25 Jun 2025 6:34 am

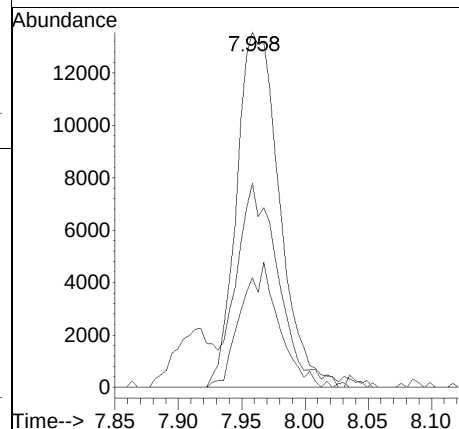
Tgt Ion	Ratio	Lower	Upper
166	100		
168	48.0	28.0	68.0
94	39.7	22.9	62.9

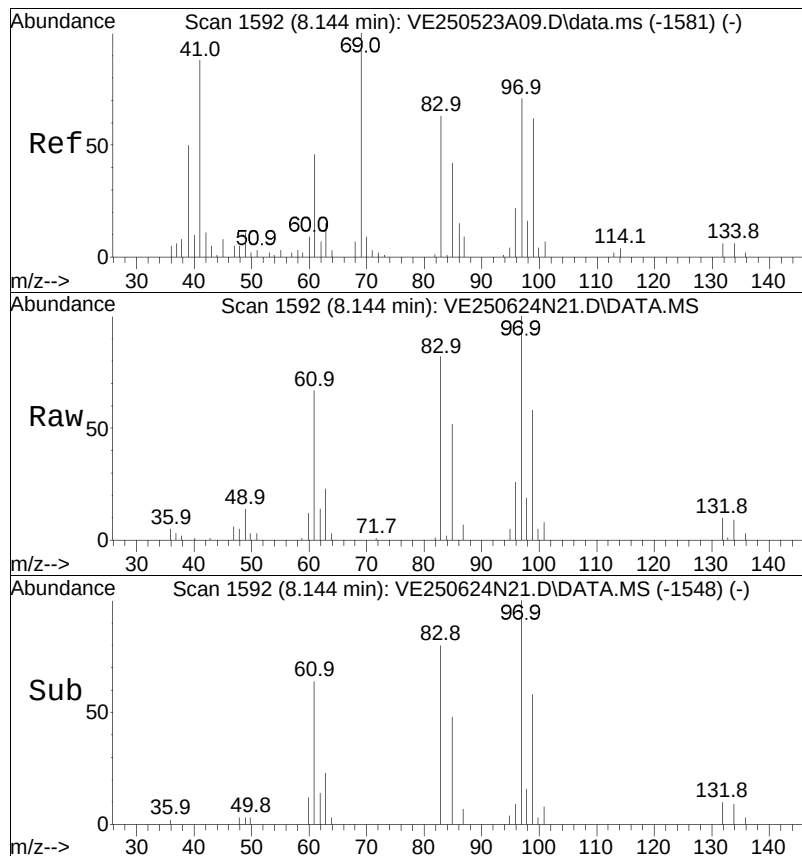




#69
 trans-1,3-Dichloropropene
 Concen: 4.13 ug/L
 RT: 7.958 min Scan# 1551
 Delta R.T. -0.000 min
 Lab File: VE250624N21.D
 Acq: 25 Jun 2025 6:34 am

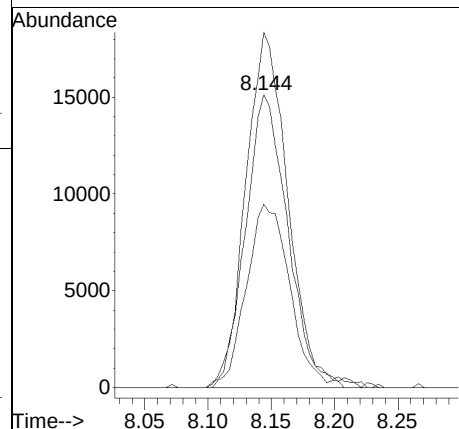
Tgt Ion	Ratio	Lower	Upper
75	100		
77	30.9	11.2	51.2
39	53.8	36.8	76.8

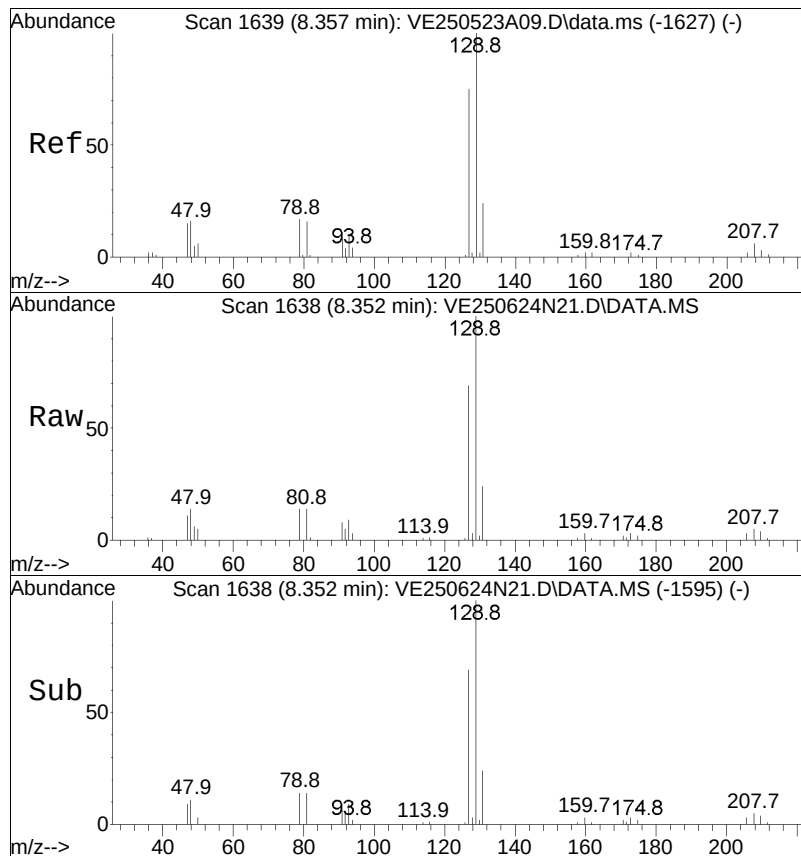




#72
 1,1,2-Trichloroethane
 Concen: 9.13 ug/L
 RT: 8.144 min Scan# 1592
 Delta R.T. -0.000 min
 Lab File: VE250624N21.D
 Acq: 25 Jun 2025 6:34 am

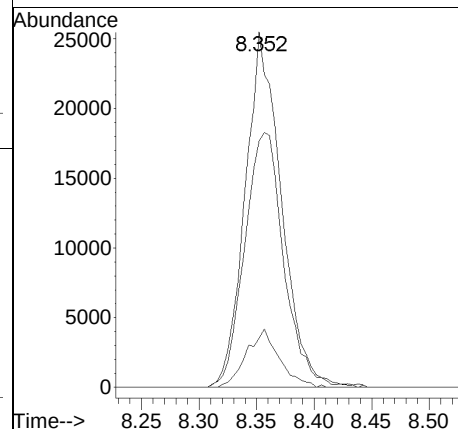
Tgt Ion	Ratio	Lower	Upper
83	100		
97	120.4	93.6	133.6
85	63.9	44.0	84.0

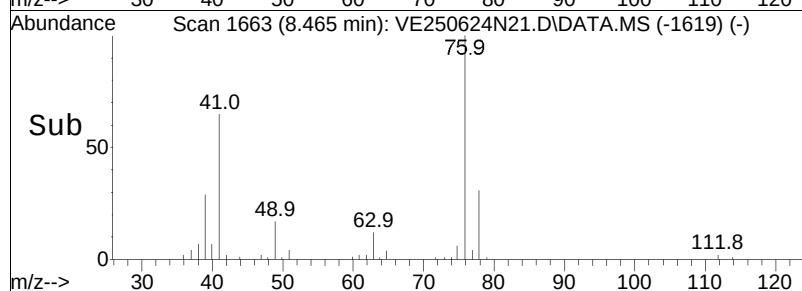
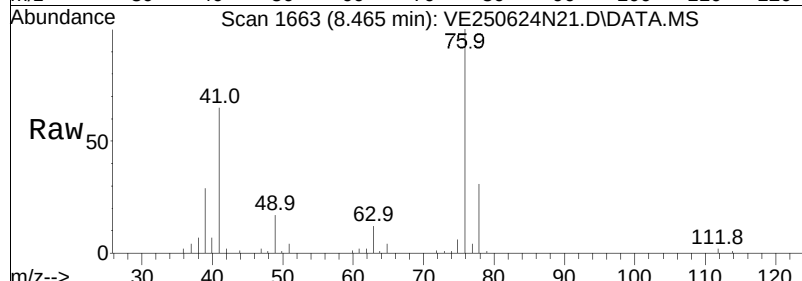
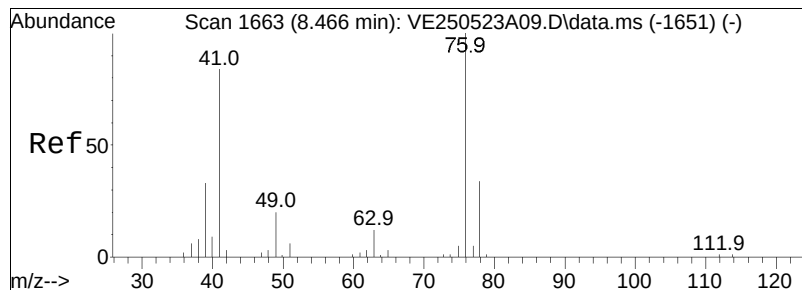




#73
 Chlorodibromomethane
 Concen: 9.25 ug/L
 RT: 8.352 min Scan# 1638
 Delta R.T. -0.005 min
 Lab File: VE250624N21.D
 Acq: 25 Jun 2025 6:34 am

Tgt Ion	Ratio	Lower	Upper
129	100		
81	15.0	0.0	36.6
127	77.6	57.7	97.7





#74

1,3-Dichloropropane

Concen: 9.28 ug/L

RT: 8.465 min Scan# 1663

Delta R.T. -0.000 min

Lab File: VE250624N21.D

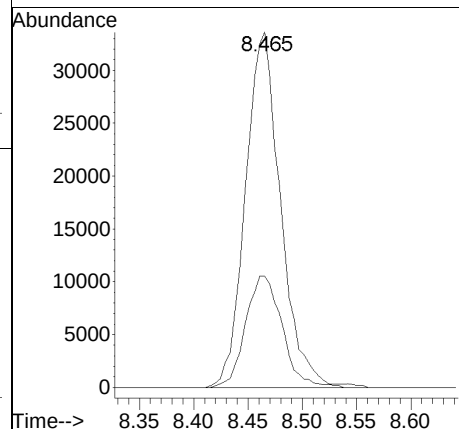
Acq: 25 Jun 2025 6:34 am

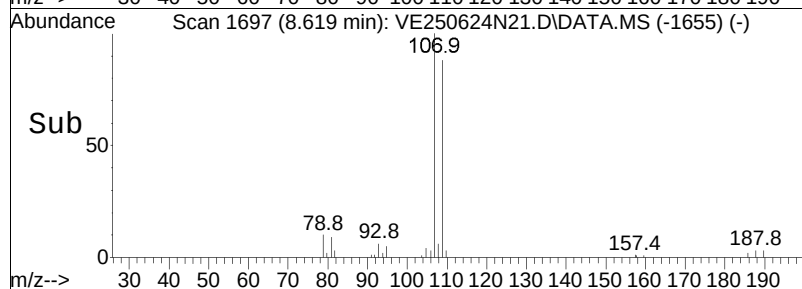
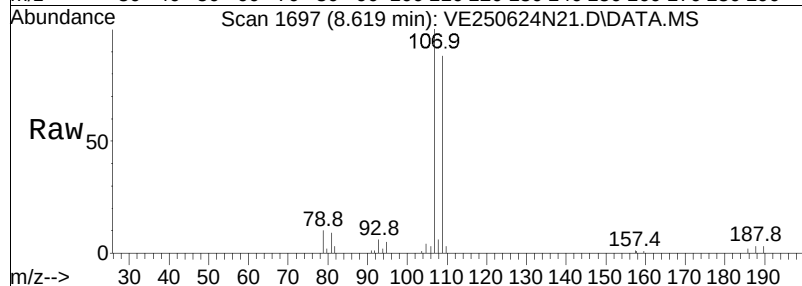
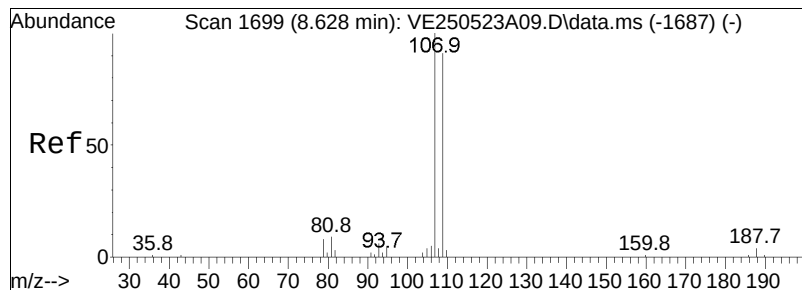
Tgt Ion: 76 Resp: 75729

Ion Ratio Lower Upper

76 100

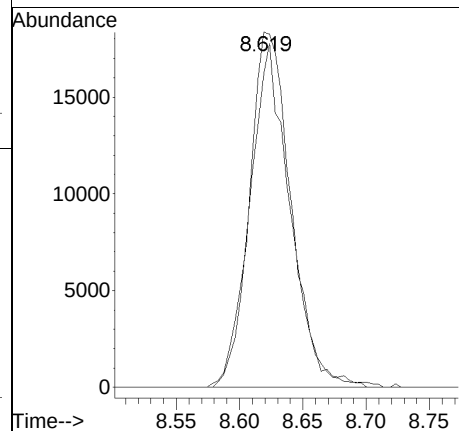
78 32.6 25.0 37.6

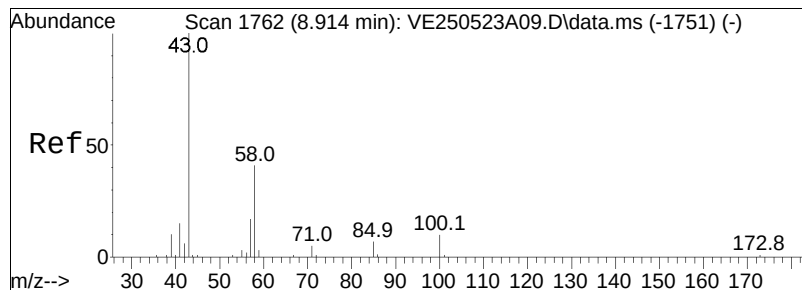




#75
 1,2-Dibromoethane
 Concen: 9.15 ug/L
 RT: 8.619 min Scan# 1697
 Delta R.T. -0.009 min
 Lab File: VE250624N21.D
 Acq: 25 Jun 2025 6:34 am

Tgt Ion	Ratio	Lower	Upper
107	100		
109	91.6	75.0	112.6





#77

2-Hexanone

Concen: 6.21 ug/L

RT: 8.913 min Scan# 1762

Delta R.T. -0.000 min

Lab File: VE250624N21.D

Acq: 25 Jun 2025 6:34 am

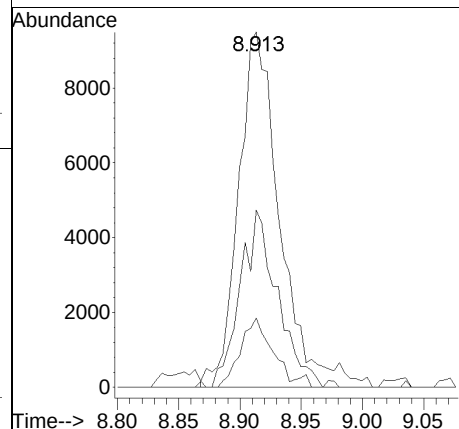
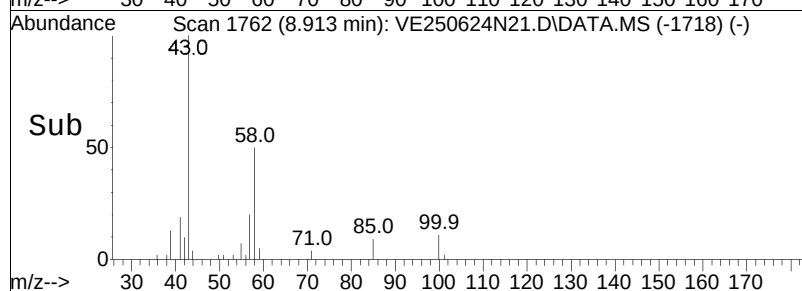
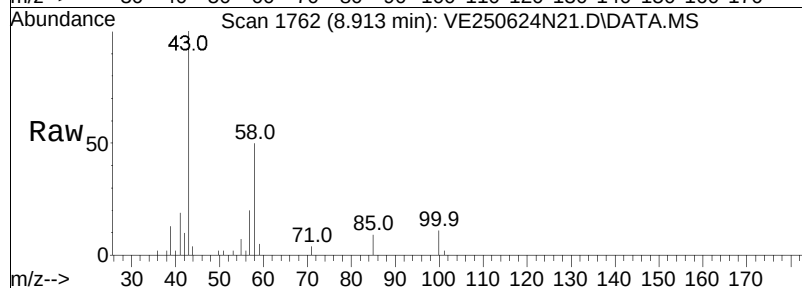
Tgt Ion: 43 Resp: 22424

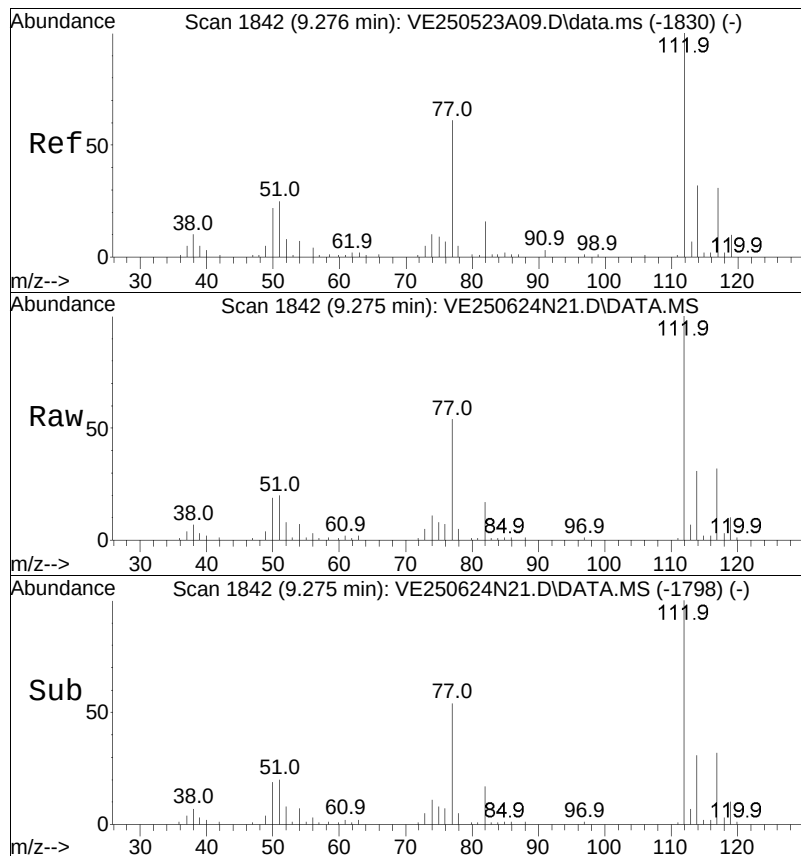
Ion Ratio Lower Upper

43 100

58 44.9 38.6 58.0

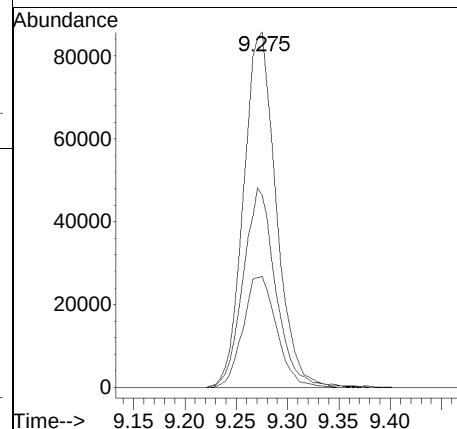
57 15.6 14.5 21.7

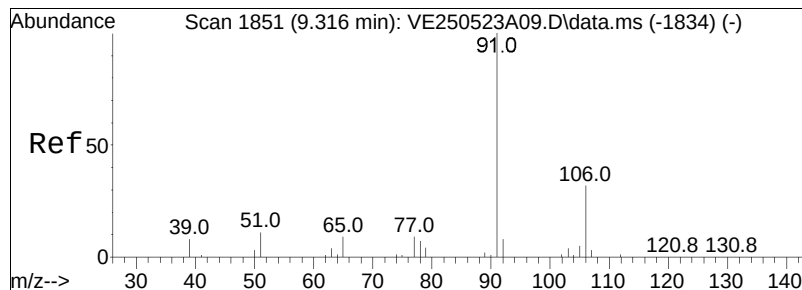




#78
 Chlorobenzene
 Concen: 10.10 ug/L
 RT: 9.275 min Scan# 1842
 Delta R.T. -0.000 min
 Lab File: VE250624N21.D
 Acq: 25 Jun 2025 6:34 am

Tgt Ion	Ratio	Lower	Upper
112	100		
77	55.9	61.7	92.5#
114	32.2	25.5	38.3





#79

Ethylbenzene

Concen: 0.67 ug/L

RT: 9.311 min Scan# 1850

Delta R.T. -0.005 min

Lab File: VE250624N21.D

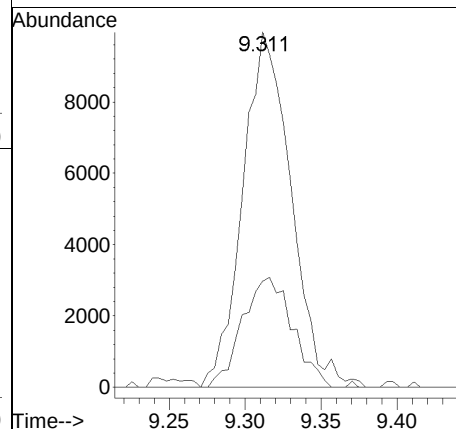
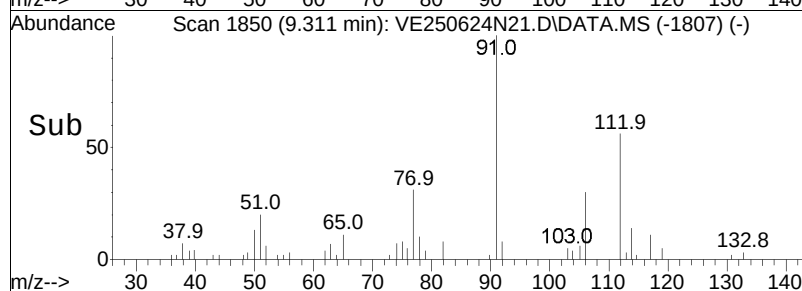
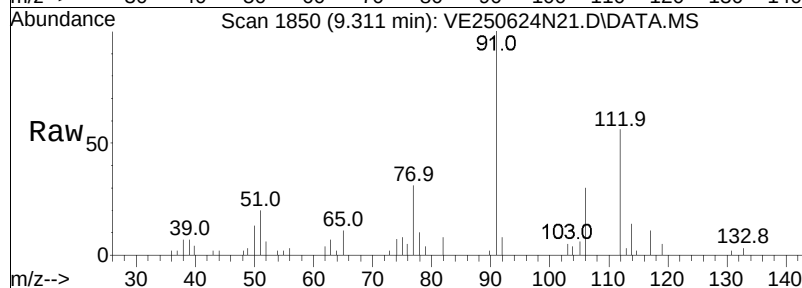
Acq: 25 Jun 2025 6:34 am

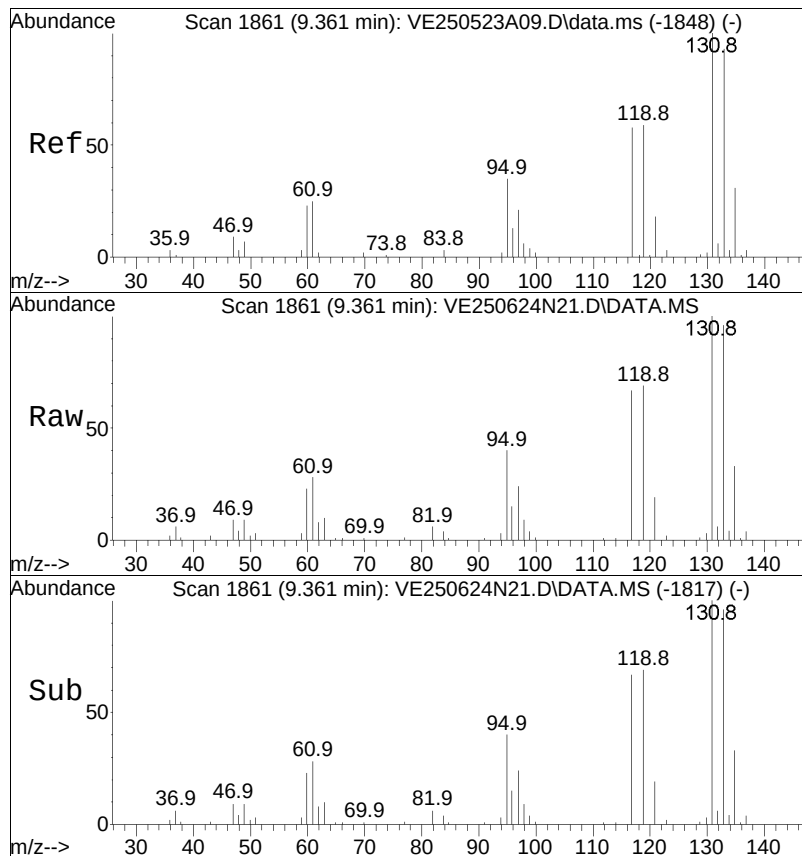
Tgt Ion: 91 Resp: 22053

Ion Ratio Lower Upper

91 100

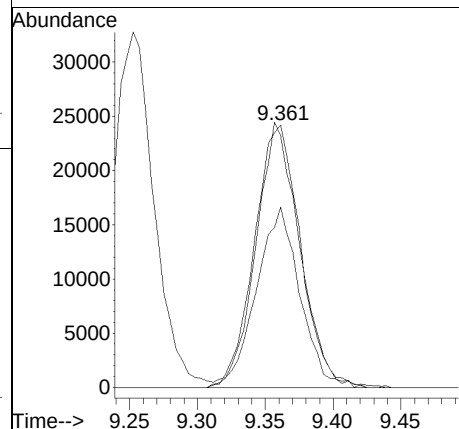
106 32.2 24.7 37.1

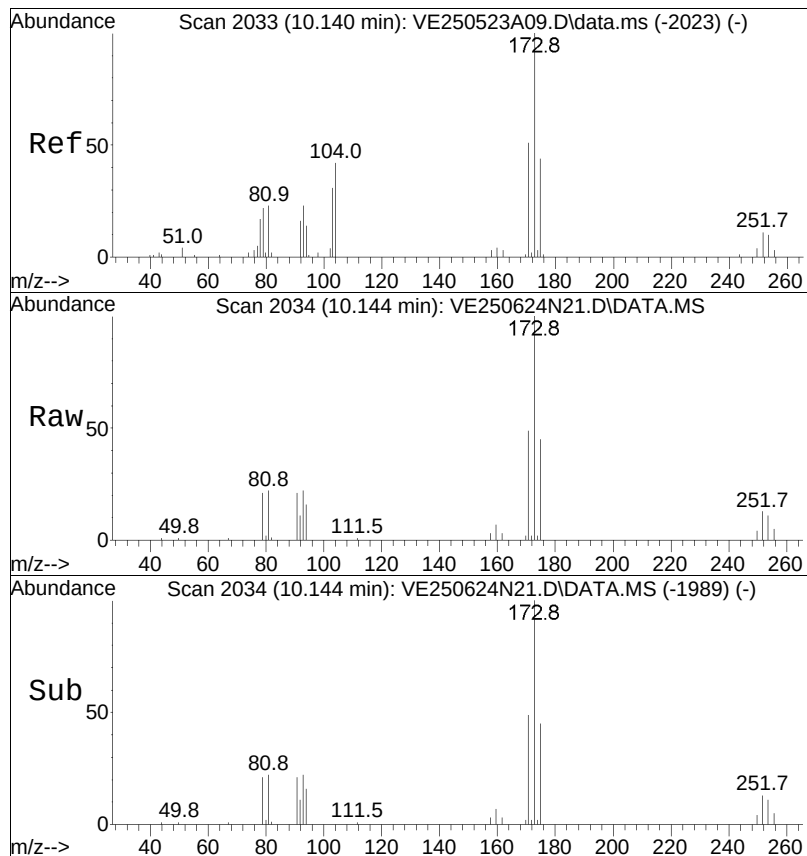




#80
 1,1,1,2-Tetrachloroethane
 Concen: 9.23 ug/L
 RT: 9.361 min Scan# 1861
 Delta R.T. -0.000 min
 Lab File: VE250624N21.D
 Acq: 25 Jun 2025 6:34 am

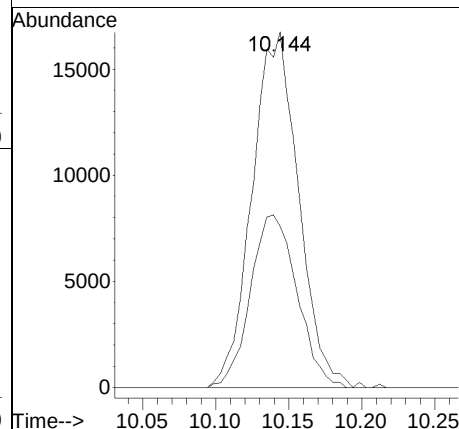
Tgt Ion	Ratio	Lower	Upper
131	100		
133	95.7	77.8	117.8
119	64.9	41.2	81.2

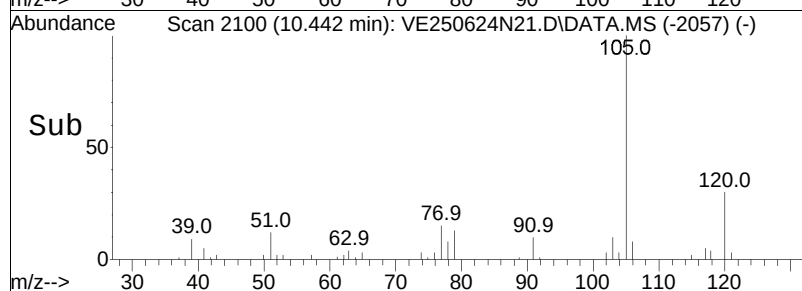
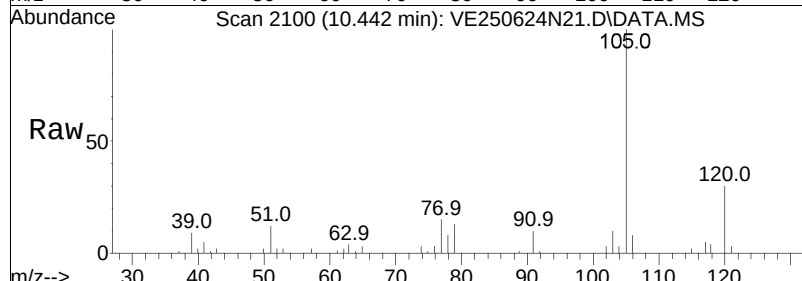
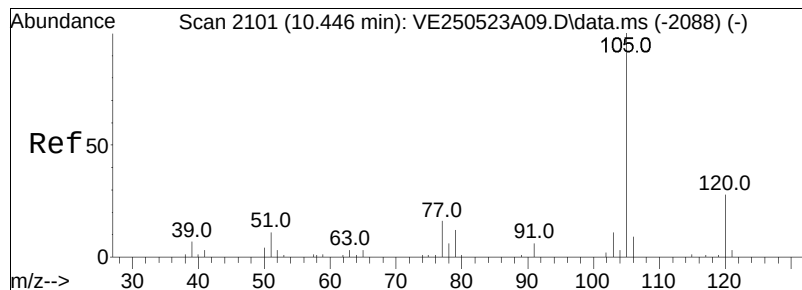




#85
 Bromoform
 Concen: 9.21 ug/L
 RT: 10.144 min Scan# 2034
 Delta R.T. 0.004 min
 Lab File: VE250624N21.D
 Acq: 25 Jun 2025 6:34 am

Tgt Ion	Ratio	Lower	Upper
173	100		
175	48.7	25.9	65.9





#87

Isopropylbenzene

Concen: 0.75 ug/L

RT: 10.442 min Scan# 2100

Delta R.T. -0.005 min

Lab File: VE250624N21.D

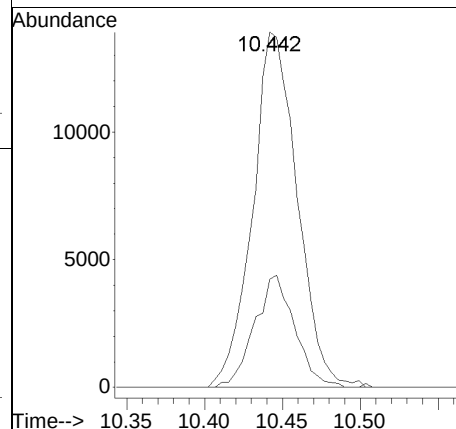
Acq: 25 Jun 2025 6:34 am

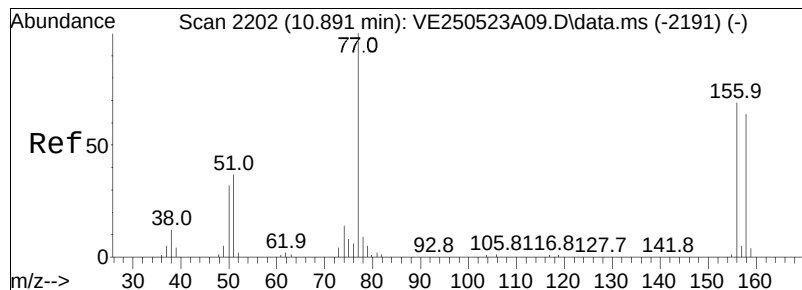
Tgt Ion:105 Resp: 27804

Ion Ratio Lower Upper

105 100

120 28.5 6.4 46.4





#89

Bromobenzene

Concen: 7.81 ug/L

RT: 10.887 min Scan# 2201

Delta R.T. -0.005 min

Lab File: VE250624N21.D

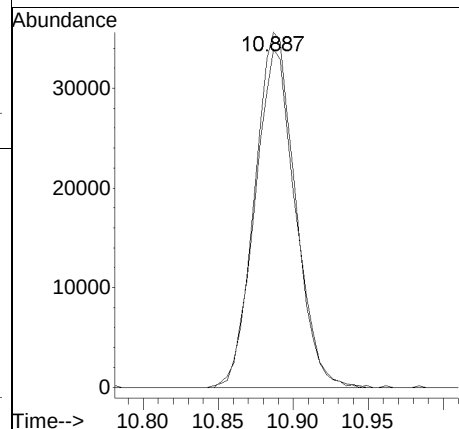
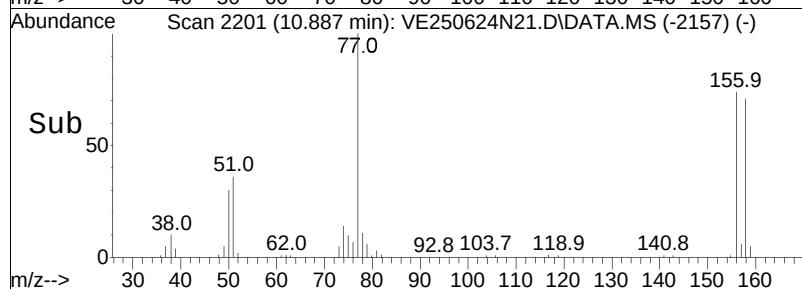
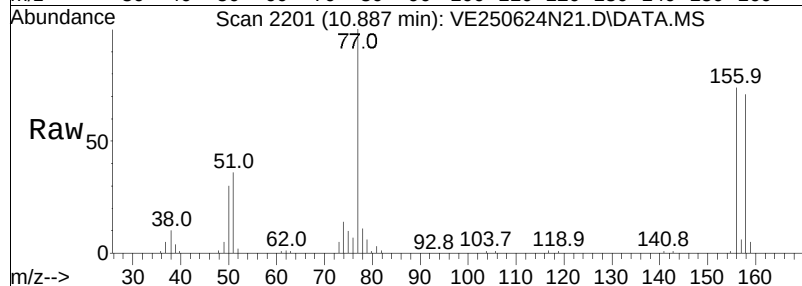
Acq: 25 Jun 2025 6:34 am

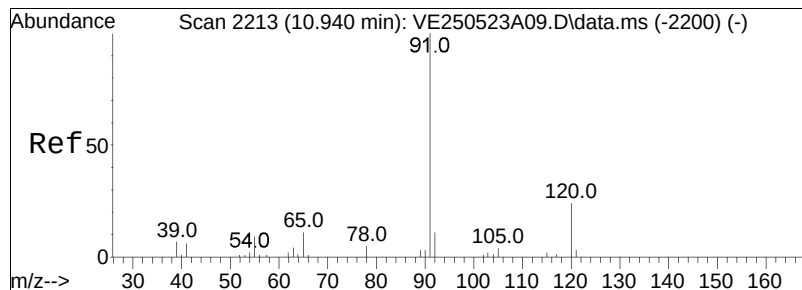
Tgt Ion:156 Resp: 66515

Ion Ratio Lower Upper

156 100

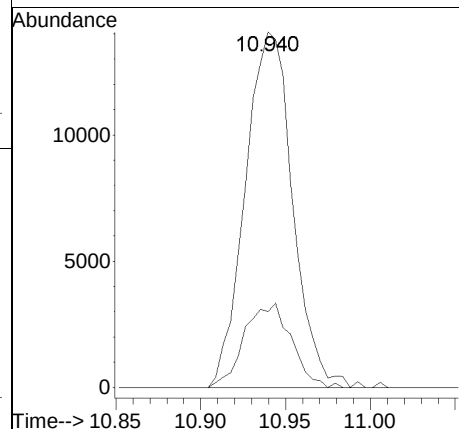
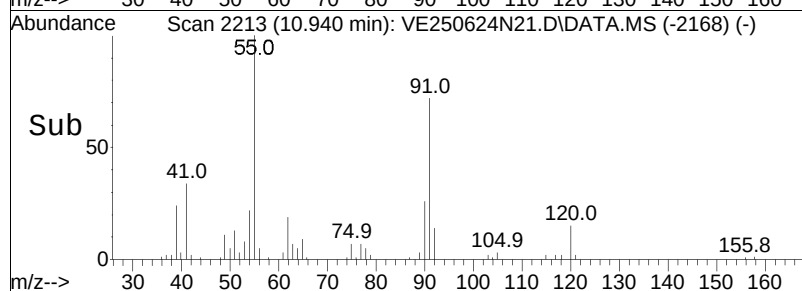
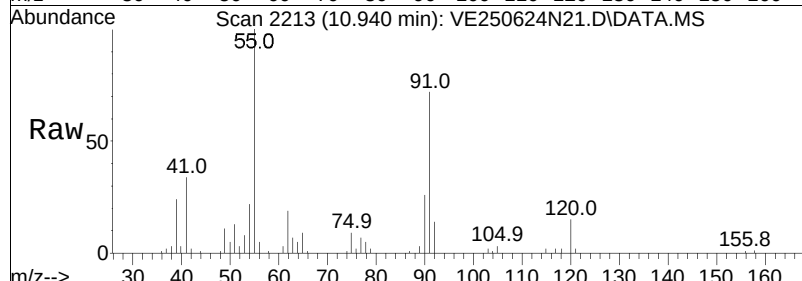
158 95.7 78.0 117.0

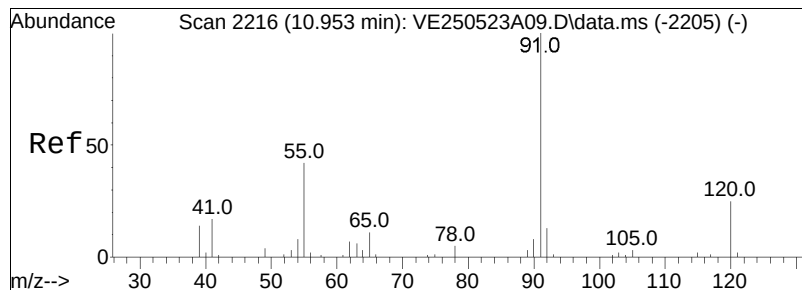




#90
 n-Propylbenzene
 Concen: 0.62 ug/L
 RT: 10.940 min Scan# 2213
 Delta R.T. -0.000 min
 Lab File: VE250624N21.D
 Acq: 25 Jun 2025 6:34 am

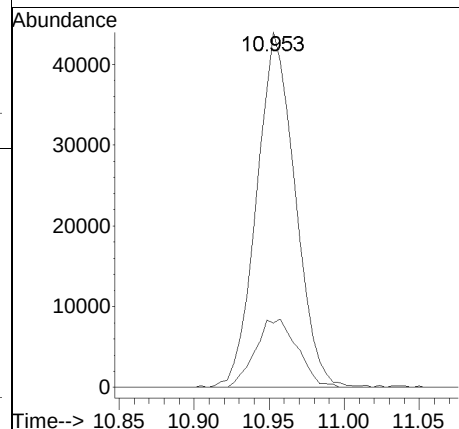
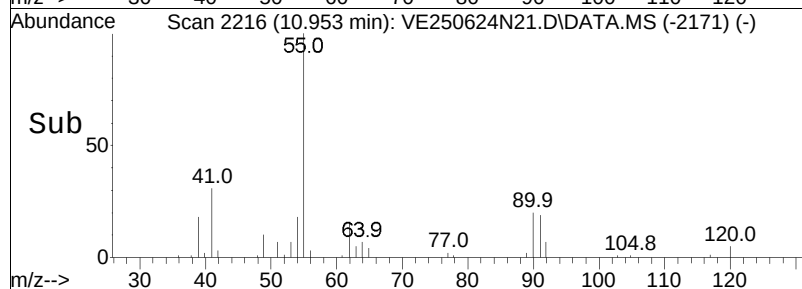
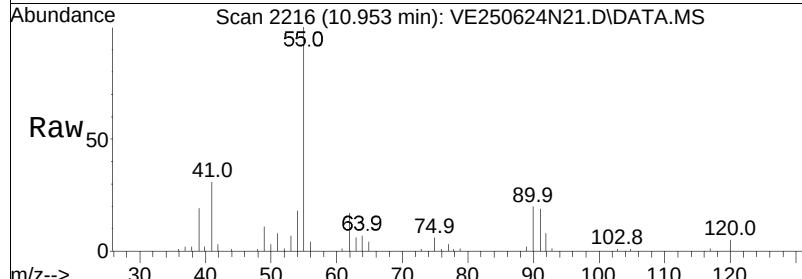
Tgt Ion	Ratio	Lower	Upper
91	100		
120	23.4	18.5	27.7

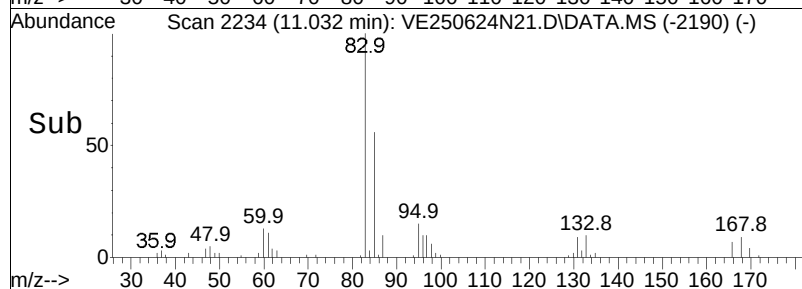
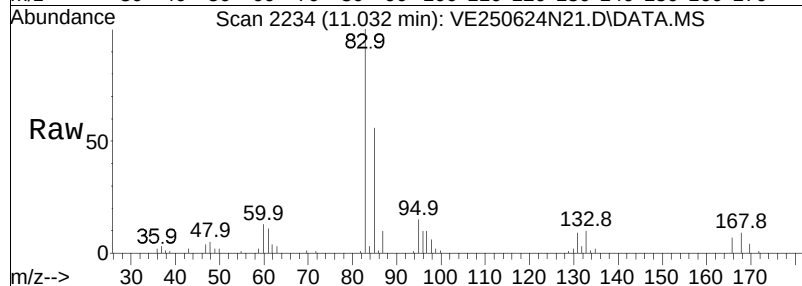
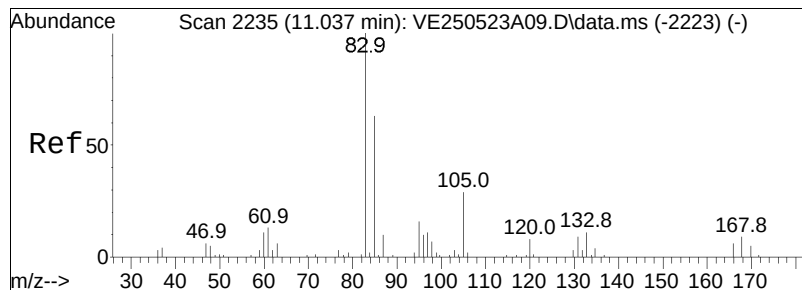




#91
 1,4-Dichlorobutane
 Concen: 7.62 ug/L
 RT: 10.953 min Scan# 2216
 Delta R.T. -0.000 min
 Lab File: VE250624N21.D
 Acq: 25 Jun 2025 6:34 am

Tgt Ion	Ratio	Lower	Upper
55	100		
54	21.1	16.9	25.3





#92

1,1,2,2-Tetrachloroethane

Concen: 9.28 ug/L

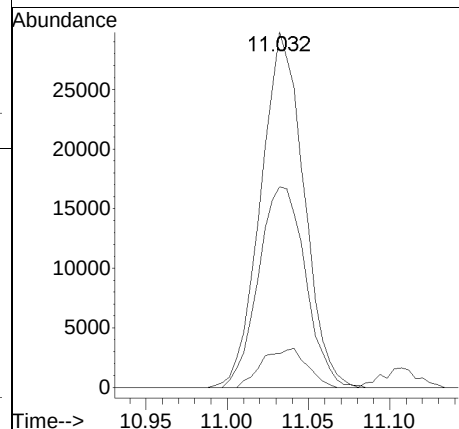
RT: 11.032 min Scan# 2234

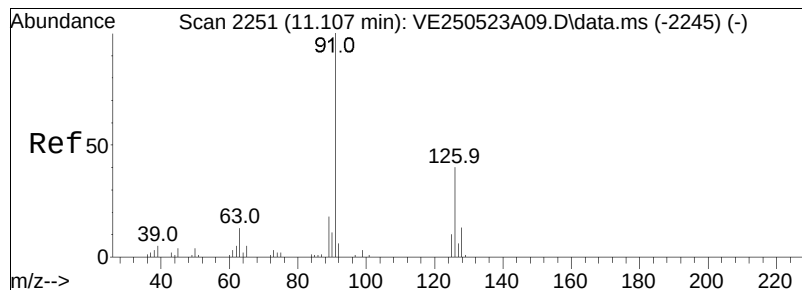
Delta R.T. -0.005 min

Lab File: VE250624N21.D

Acq: 25 Jun 2025 6:34 am

Tgt	Ion: 83	Resp:	54837
Ion	Ratio	Lower	Upper
83	100		
131	11.5	0.0	30.3
85	61.5	46.4	86.4





#94

2-Chlorotoluene

Concen: 7.86 ug/L

RT: 11.107 min Scan# 2251

Delta R.T. -0.000 min

Lab File: VE250624N21.D

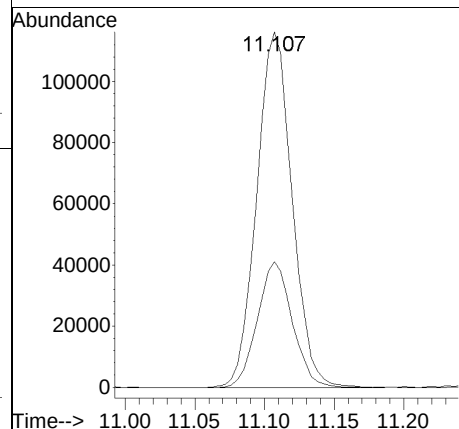
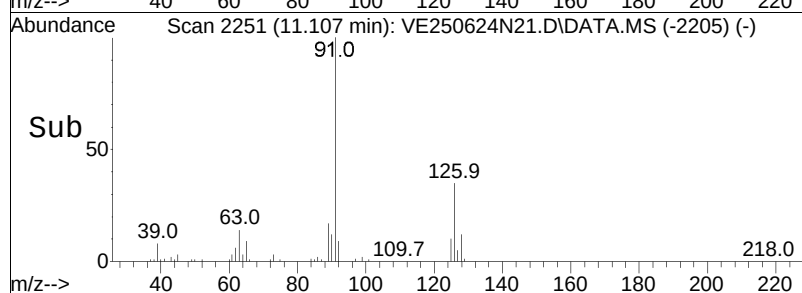
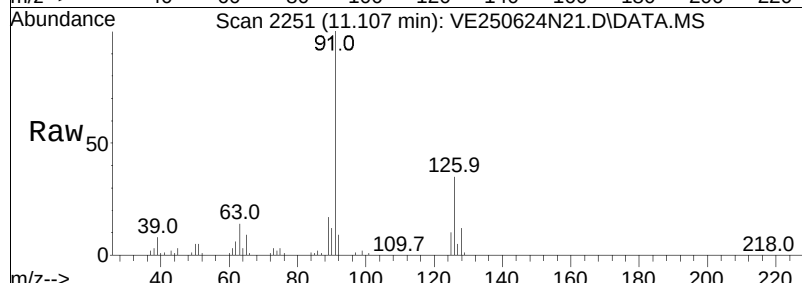
Acq: 25 Jun 2025 6:34 am

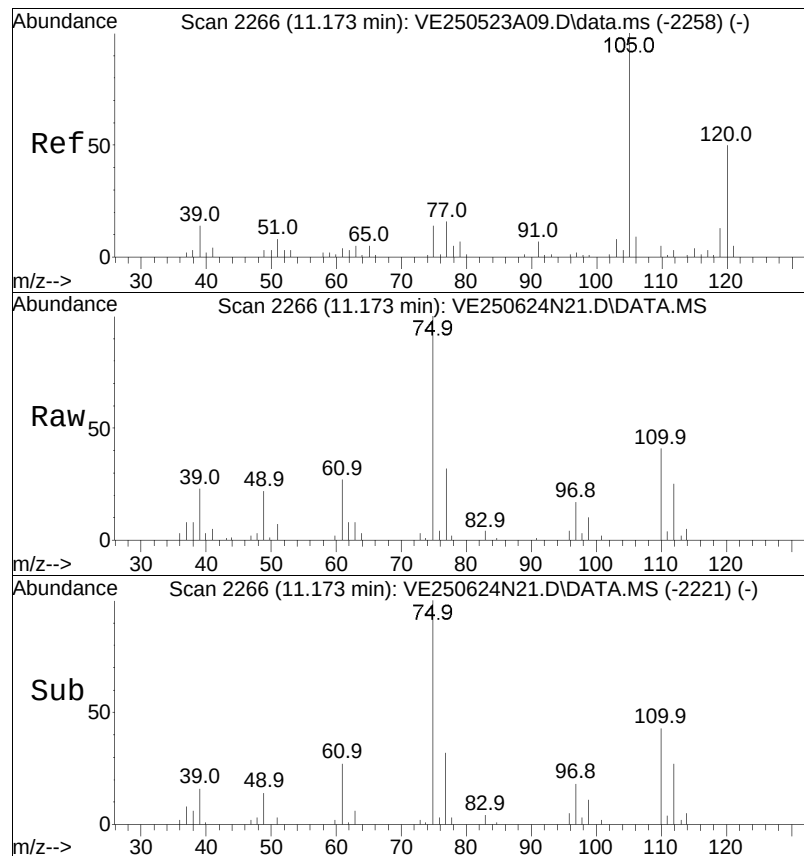
Tgt Ion: 91 Resp: 204751

Ion Ratio Lower Upper

91 100

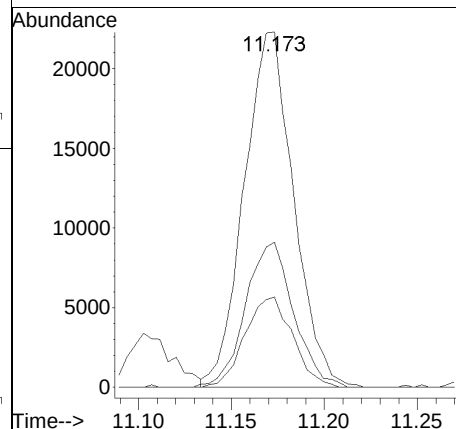
126 34.8 27.1 40.7

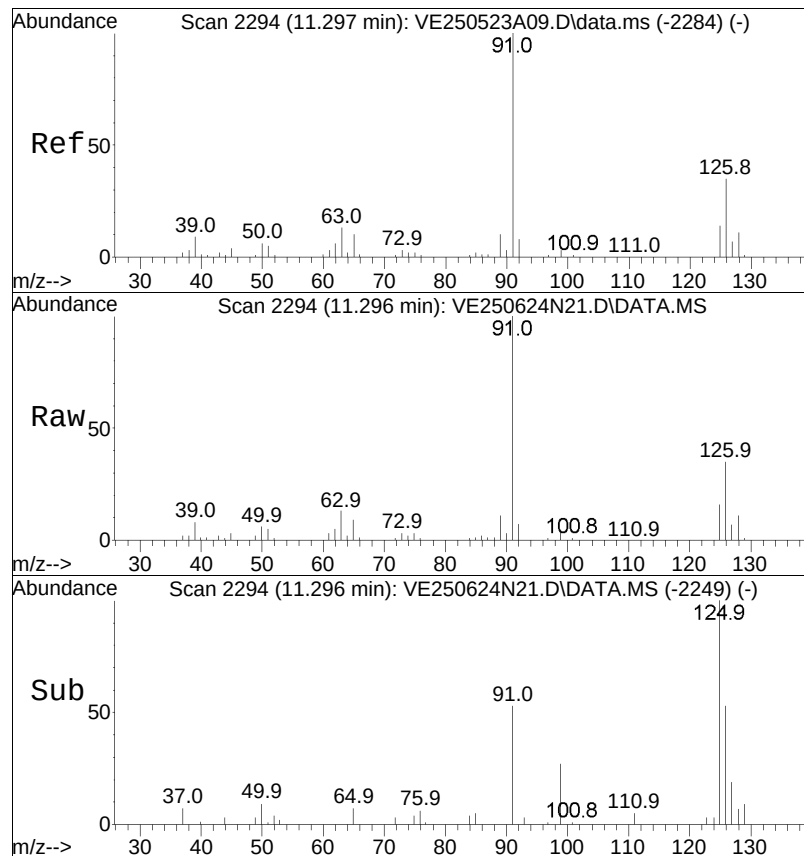




#96
 1,2,3-Trichloropropane
 Concen: 8.06 ug/L
 RT: 11.173 min Scan# 2266
 Delta R.T. -0.000 min
 Lab File: VE250624N21.D
 Acq: 25 Jun 2025 6:34 am

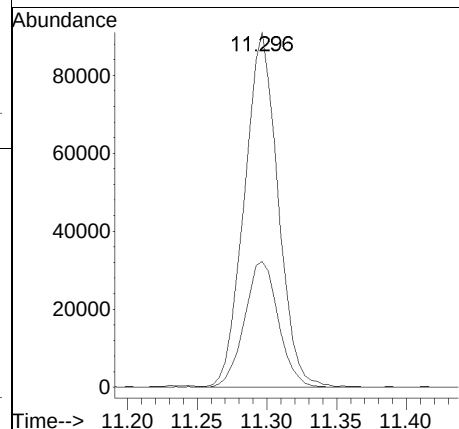
Tgt Ion	Ratio	Lower	Upper
75	100		
110	39.7	22.8	47.4
112	24.6	14.9	30.9

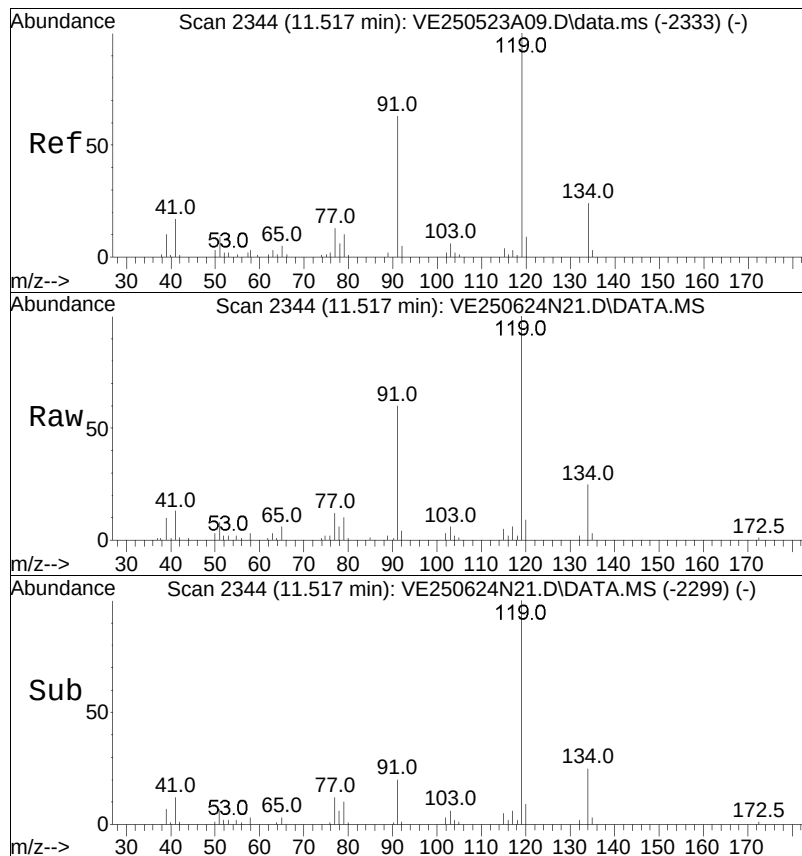




#98
 4-Chlorotoluene
 Concen: 5.64 ug/L
 RT: 11.296 min Scan# 2294
 Delta R.T. -0.000 min
 Lab File: VE250624N21.D
 Acq: 25 Jun 2025 6:34 am

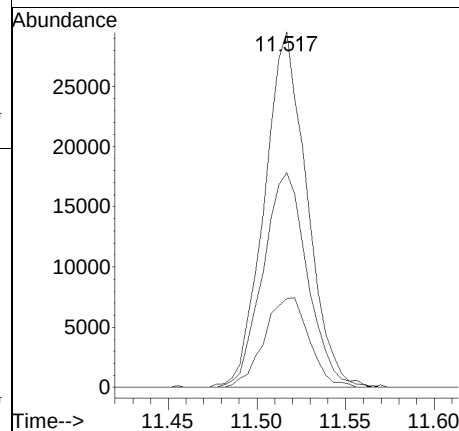
Tgt Ion: 91 Resp: 152755
 Ion Ratio Lower Upper
 91 100
 126 35.8 26.2 39.4

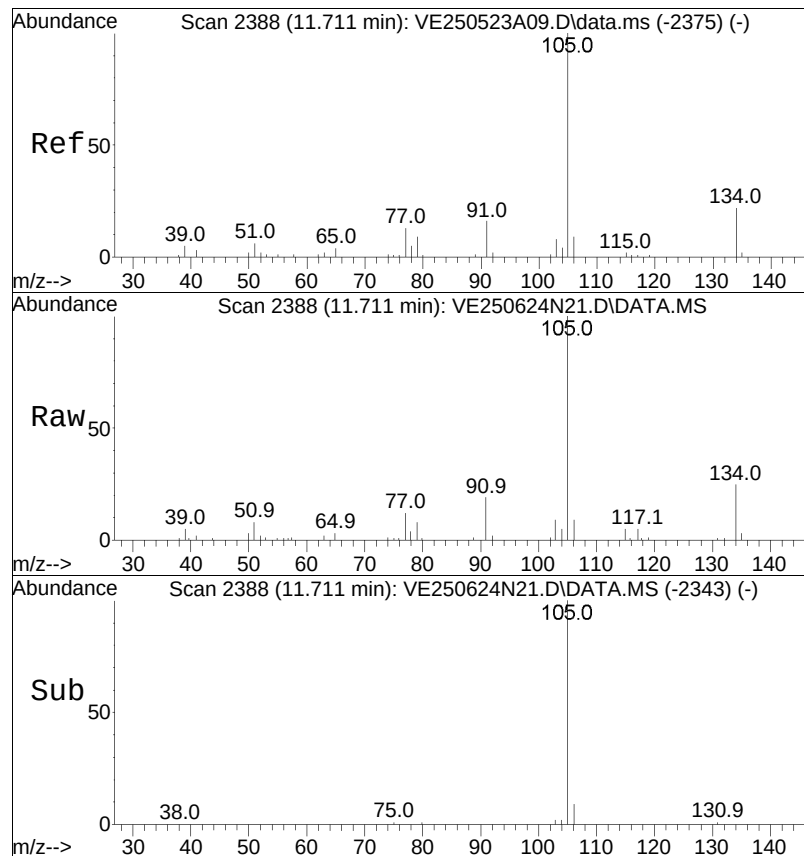




#99
 tert-Butylbenzene
 Concen: 1.73 ug/L
 RT: 11.517 min Scan# 2344
 Delta R.T. -0.000 min
 Lab File: VE250624N21.D
 Acq: 25 Jun 2025 6:34 am

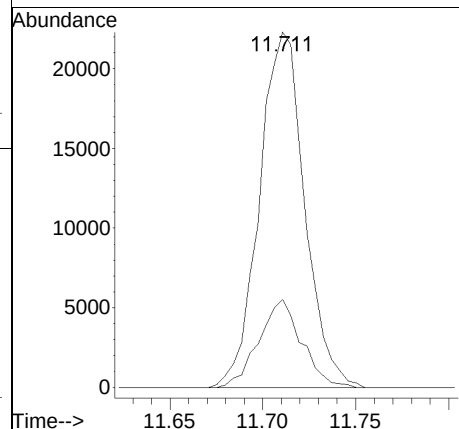
Tgt Ion:	119	Resp:	49385
Ion Ratio	Lower	Upper	
119	100		
91	63.2	55.4	83.0
134	26.7	21.8	32.6

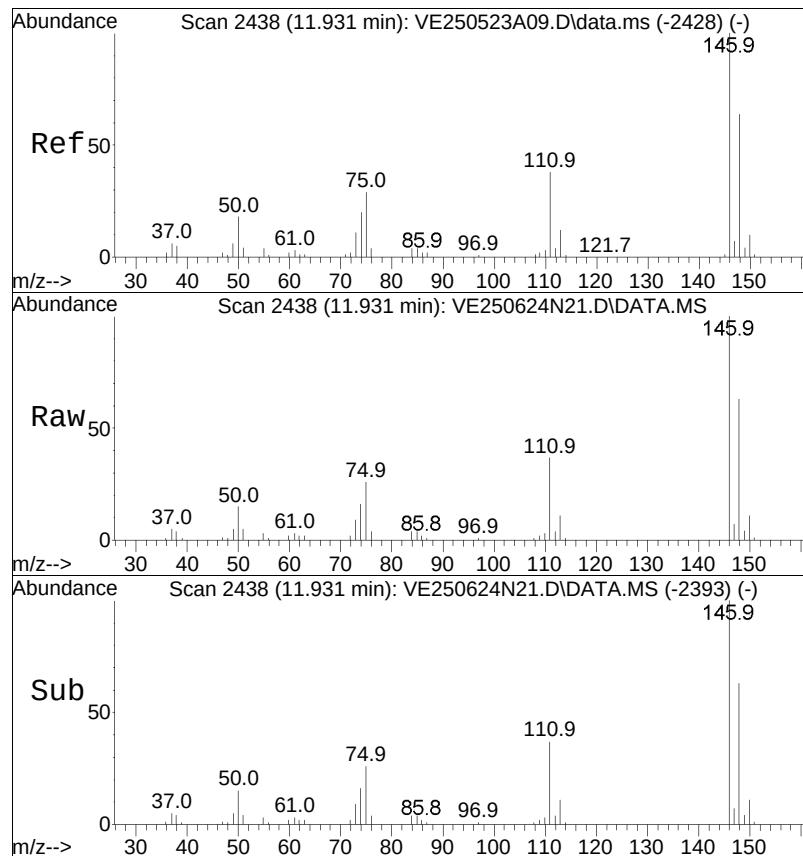




#103
 sec-Butylbenzene
 Concen: 0.92 ug/L
 RT: 11.711 min Scan# 2388
 Delta R.T. -0.000 min
 Lab File: VE250624N21.D
 Acq: 25 Jun 2025 6:34 am

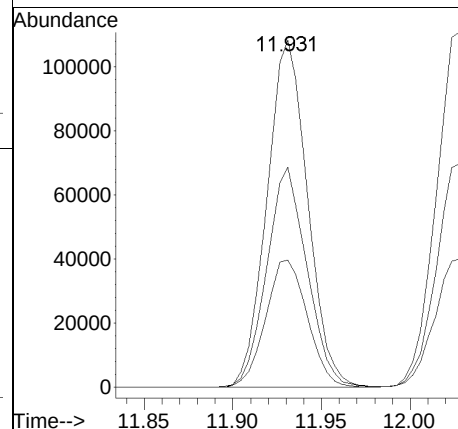
Tgt Ion	Ratio	Lower	Upper
105	100		
134	23.4	13.9	28.9

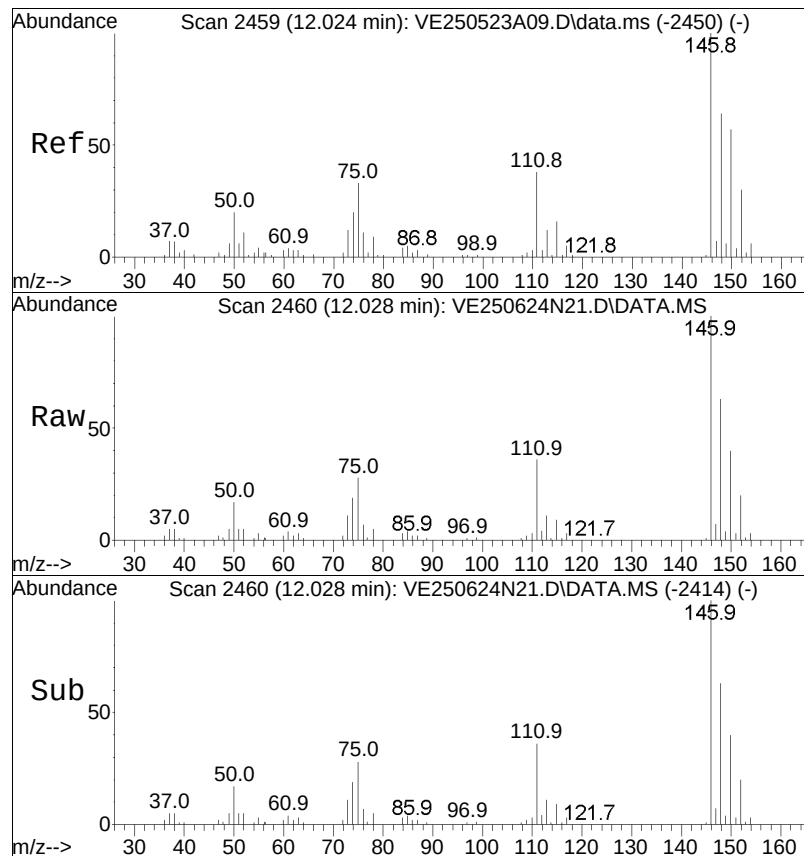




#105
 1,3-Dichlorobenzene
 Concen: 9.20 ug/L
 RT: 11.931 min Scan# 2438
 Delta R.T. -0.000 min
 Lab File: VE250624N21.D
 Acq: 25 Jun 2025 6:34 am

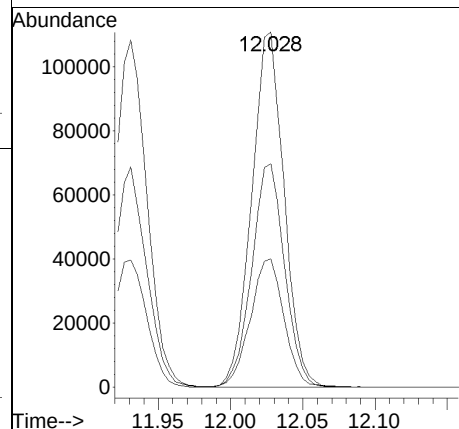
Tgt Ion	Ratio	Lower	Upper
146	100		
111	37.6	26.0	54.0
148	62.8	42.1	87.5

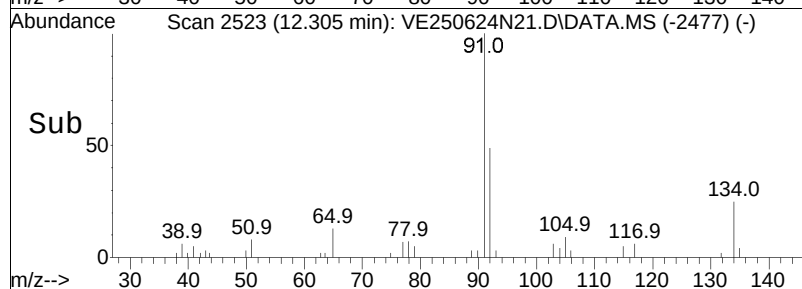
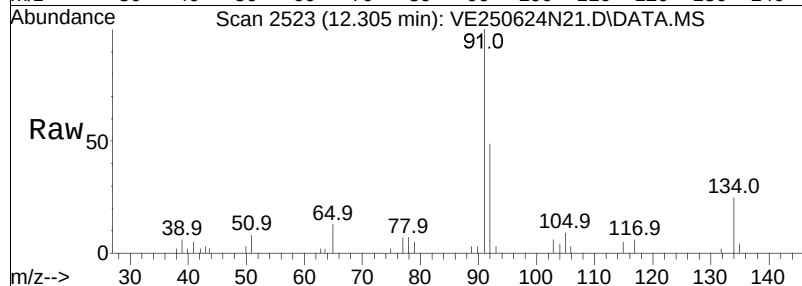
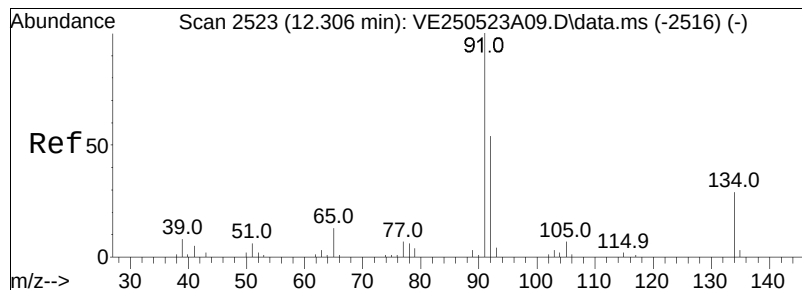




#106
 1,4-Dichlorobenzene
 Concen: 9.35 ug/L
 RT: 12.028 min Scan# 2460
 Delta R.T. 0.004 min
 Lab File: VE250624N21.D
 Acq: 25 Jun 2025 6:34 am

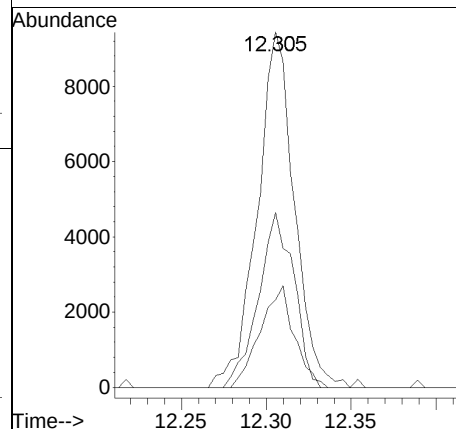
Tgt	Ion	Ratio	Lower	Upper
146	100			
111	37.6	30.0	45.0	
148	63.7	51.2	76.8	

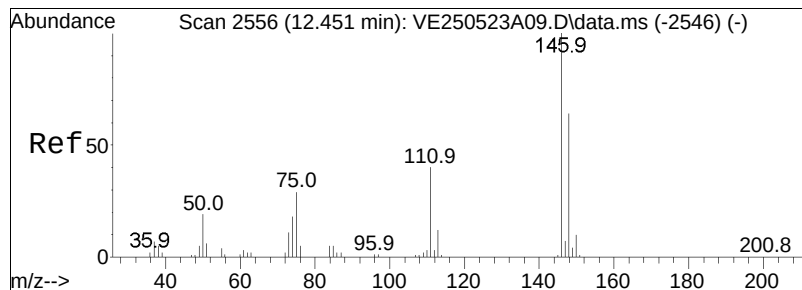




#108
 n-Butylbenzene
 Concen: 0.48 ug/L
 RT: 12.305 min Scan# 2523
 Delta R.T. -0.000 min
 Lab File: VE250624N21.D
 Acq: 25 Jun 2025 6:34 am

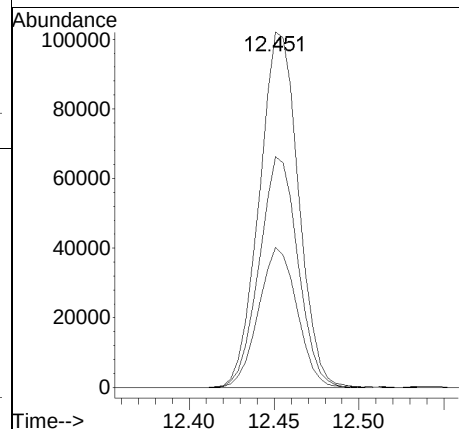
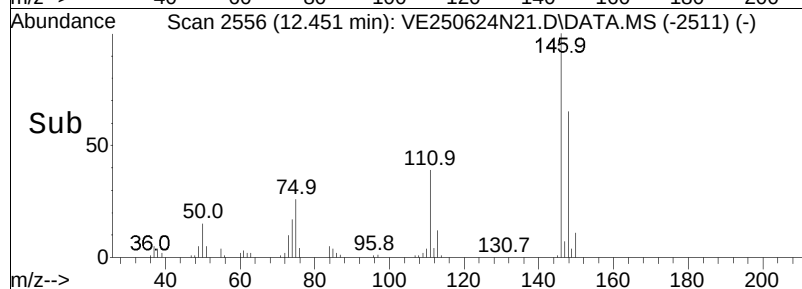
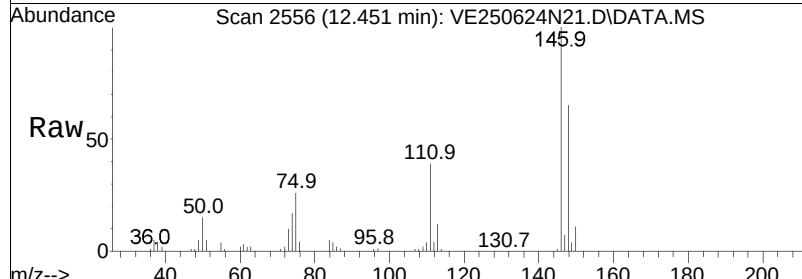
Tgt Ion:	91	Resp:	14409
Ion Ratio	Lower	Upper	
91	100		
92	46.9	43.1	64.7
134	26.0	21.7	32.5

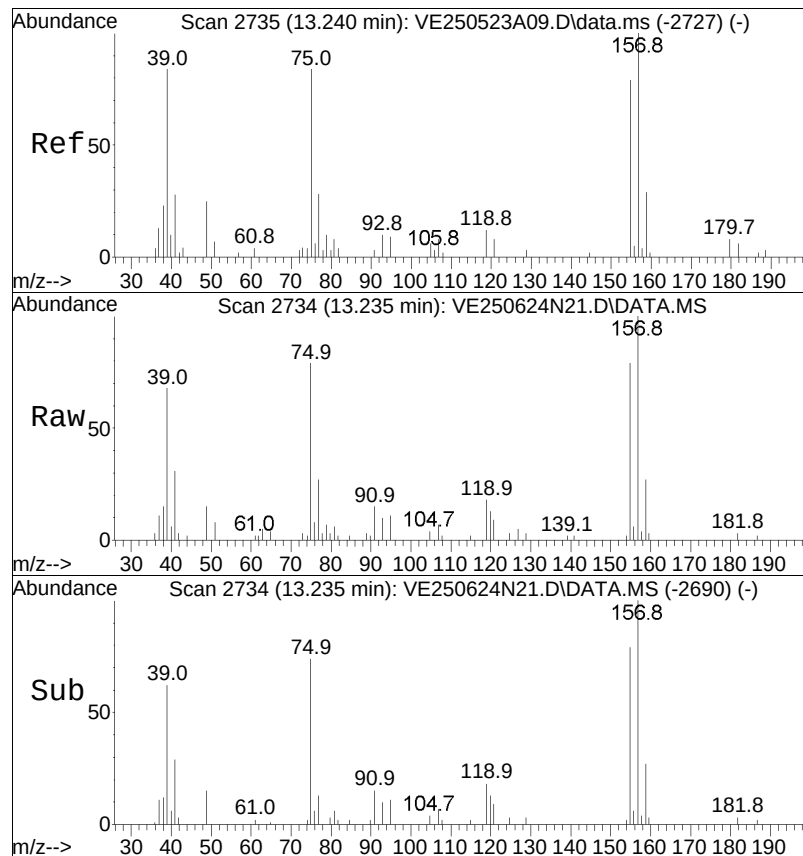




#109
 1,2-Dichlorobenzene
 Concen: 9.36 ug/L
 RT: 12.451 min Scan# 2556
 Delta R.T. -0.000 min
 Lab File: VE250624N21.D
 Acq: 25 Jun 2025 6:34 am

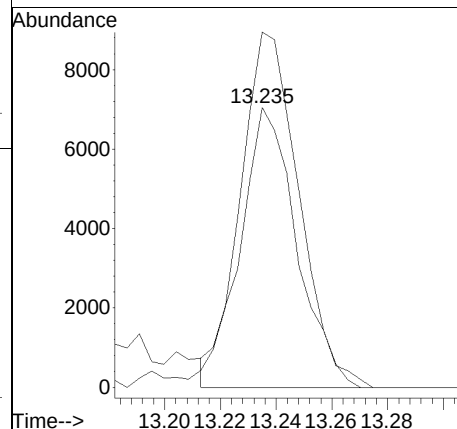
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.7	26.1	54.1
148	64.0	41.7	86.5

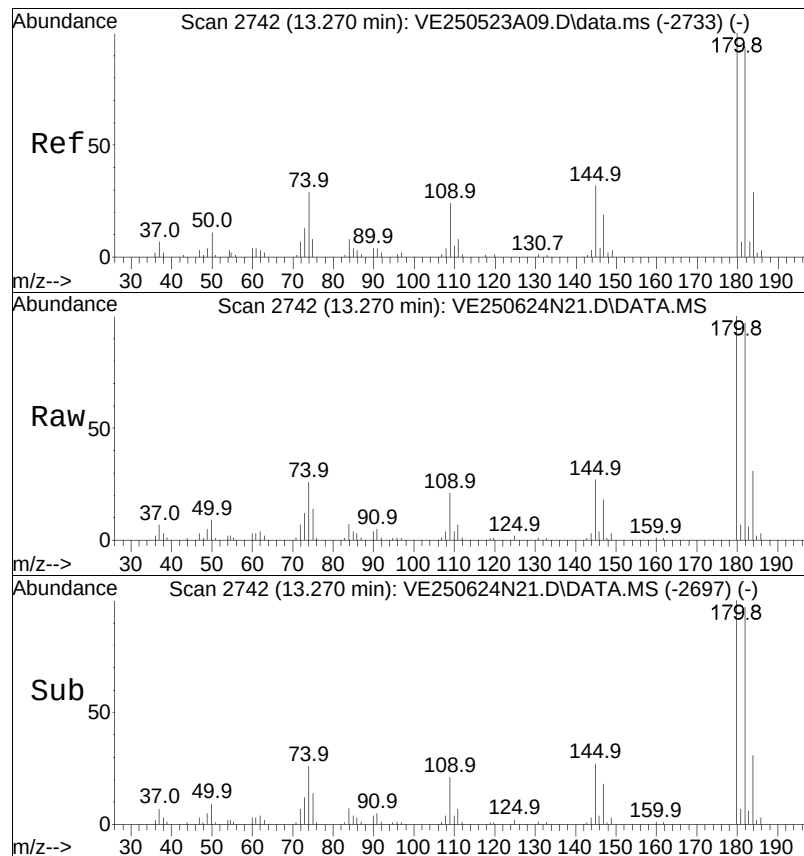




#111
 1,2-Dibromo-3-chloropropane
 Concen: 9.28 ug/L
 RT: 13.235 min Scan# 2734
 Delta R.T. -0.005 min
 Lab File: VE250624N21.D
 Acq: 25 Jun 2025 6:34 am

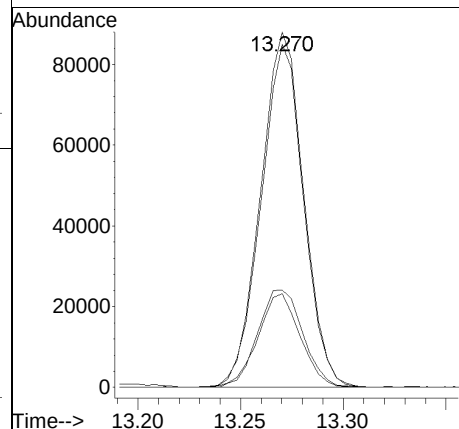
Tgt Ion	Ratio	Lower	Upper
155	100		
157	132.6	99.5	149.3

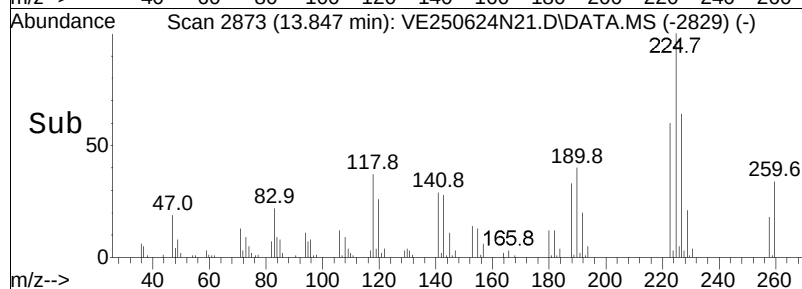
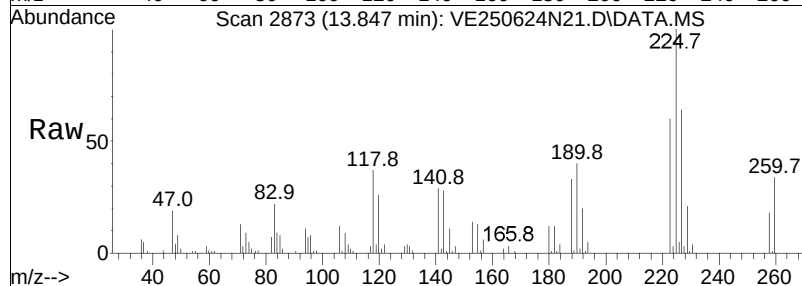
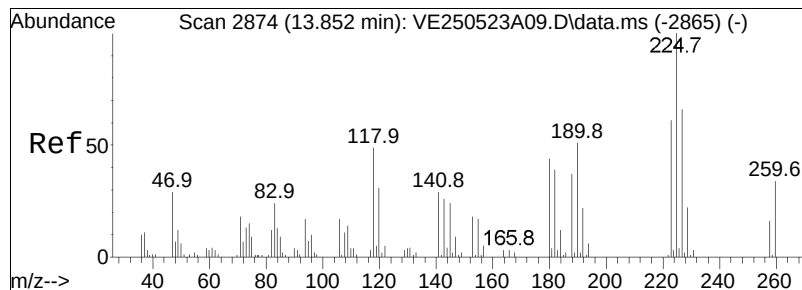




#112
 1,3,5-Trichlorobenzene
 Concen: 10.07 ug/L
 RT: 13.270 min Scan# 2742
 Delta R.T. -0.000 min
 Lab File: VE250624N21.D
 Acq: 25 Jun 2025 6:34 am

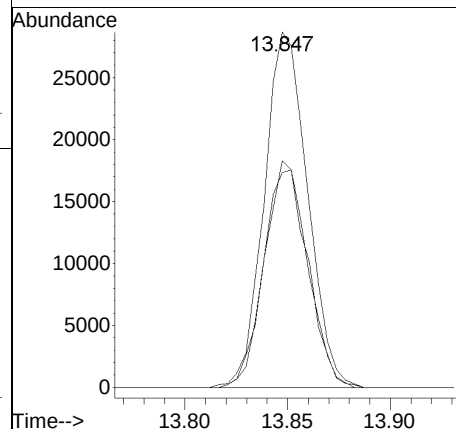
Tgt	Ion:180	Resp:	128471
Ion	Ratio	Lower	Upper
180	100		
182	95.4	61.4	127.4
145	28.8	19.6	40.6
74	26.1	18.7	38.9

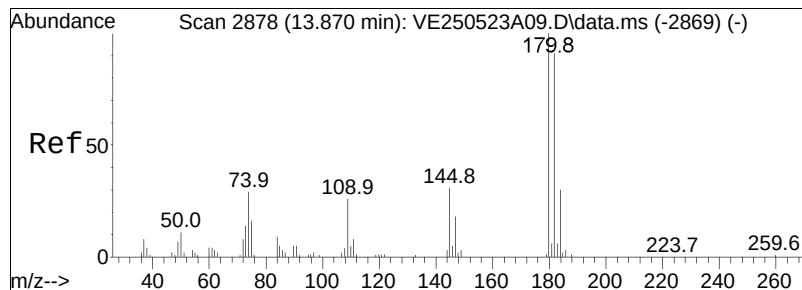




#113
 Hexachlorobutadiene
 Concen: 11.67 ug/L
 RT: 13.847 min Scan# 2873
 Delta R.T. -0.005 min
 Lab File: VE250624N21.D
 Acq: 25 Jun 2025 6:34 am

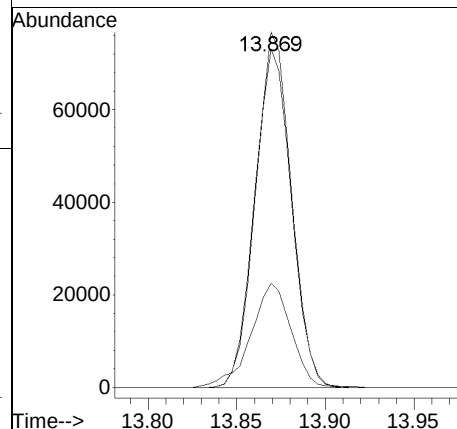
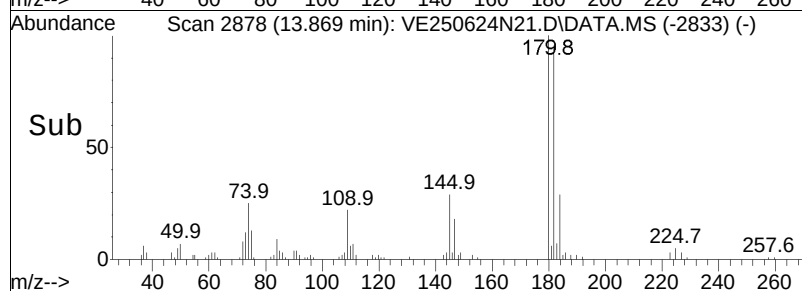
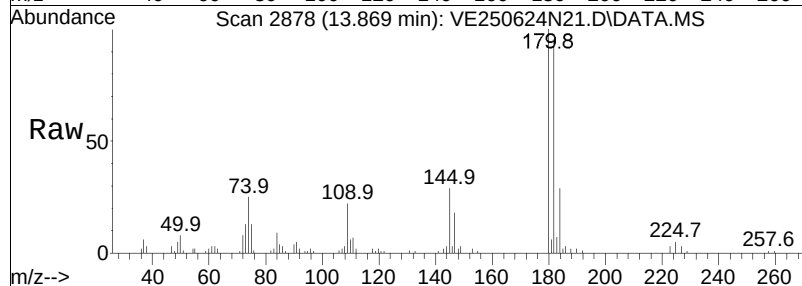
Tgt Ion	Ratio	Resp	Lower	Upper
225	100	42126		
223	63.4		51.9	77.9
227	63.2		53.0	79.6

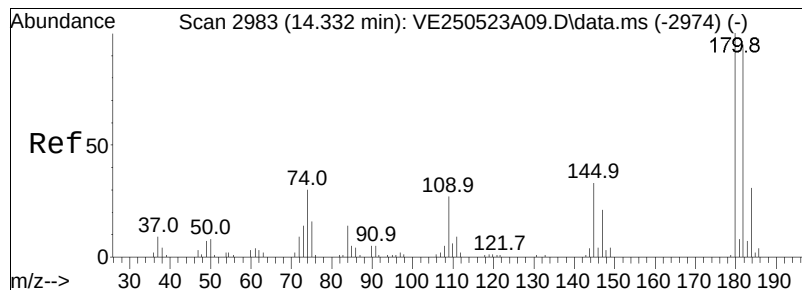




#114
 1,2,4-Trichlorobenzene
 Concen: 9.48 ug/L
 RT: 13.869 min Scan# 2878
 Delta R.T. -0.000 min
 Lab File: VE250624N21.D
 Acq: 25 Jun 2025 6:34 am

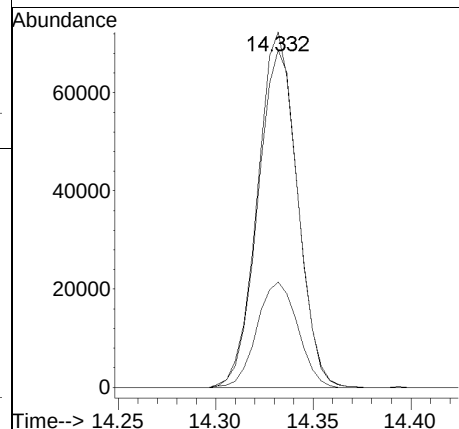
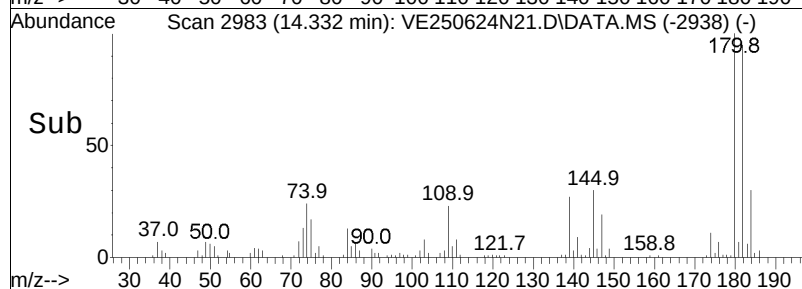
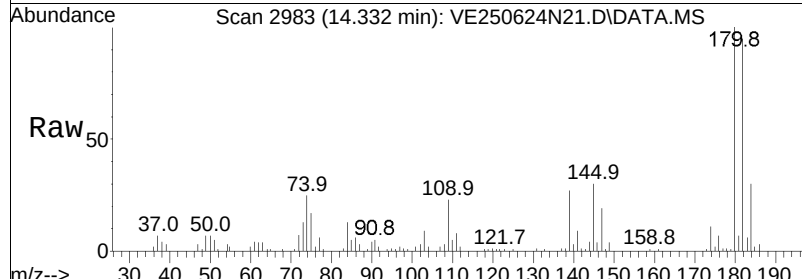
Tgt Ion	Ratio	Lower	Upper
180	100		
182	95.7	75.3	112.9
145	32.5	26.9	40.3





#116
 1,2,3-Trichlorobenzene
 Concen: 9.96 ug/L
 RT: 14.332 min Scan# 2983
 Delta R.T. -0.000 min
 Lab File: VE250624N21.D
 Acq: 25 Jun 2025 6:34 am

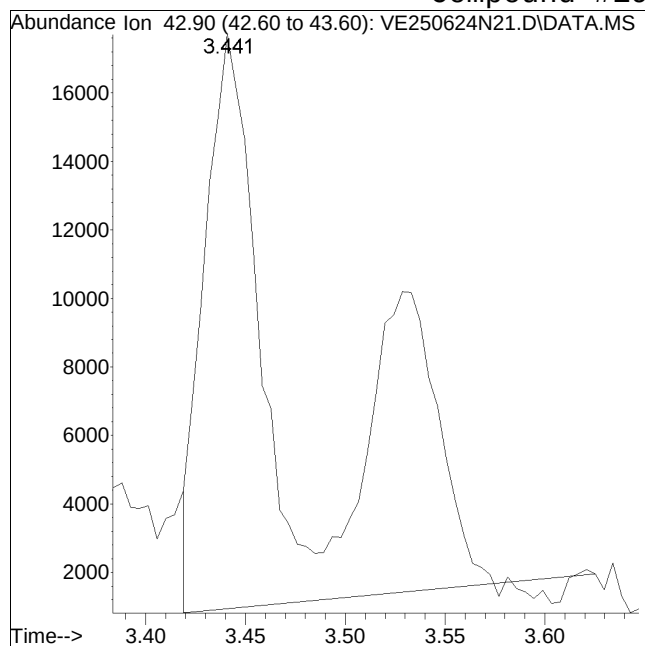
Tgt Ion	Ratio	Lower	Upper
180	100		
182	96.3	75.8	113.6
145	30.5	25.8	38.8



Manual Integration Report

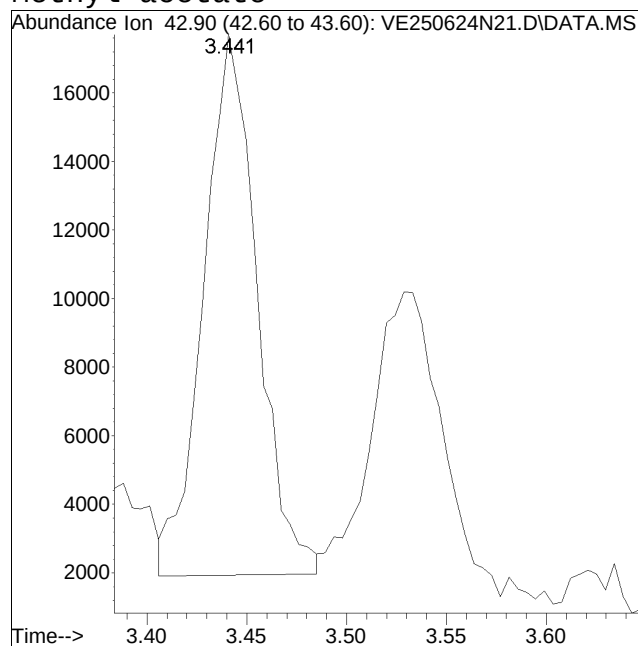
Data Path : K:\Elaine\2025\250624A\ QMethod : Elaine_250523A_8260.m
Data File : VE250624N21.D Operator : ELAINE:AJK
Date Inj'd : 6/25/2025 6:34 am Instrument : Elaine
Sample : WG2084006-7,31,2.5,10,,A Quant Date : 6/26/2025 8:13 am

Compound #19: Methyl acetate



Original Peak Response = 52583

M4 = Poor automated baseline construction.

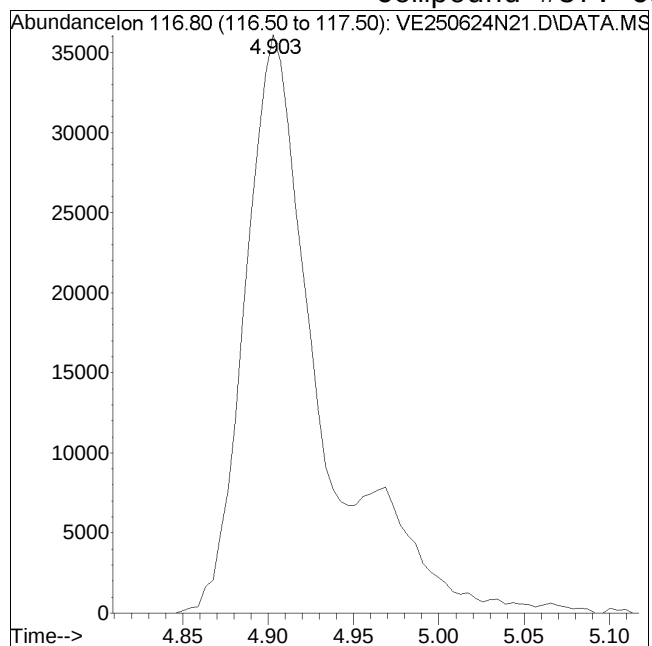


Manual Peak Response = 29437 M4

Manual Integration Report

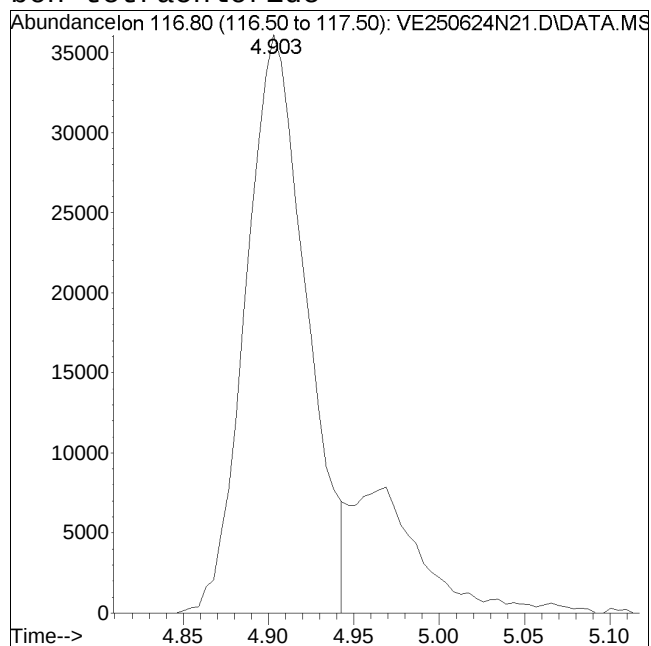
Data Path : K:\Elaine\2025\250624A\ QMethod : Elaine_250523A_8260.m
Data File : VE250624N21.D Operator : ELAINE:AJK
Date Inj'd : 6/25/2025 6:34 am Instrument : Elaine
Sample : WG2084006-7,31,2.5,10,,A Quant Date : 6/26/2025 8:13 am

Compound #37: Carbon tetrachloride



Original Peak Response = 111934

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Peak Response = 88867 M6

Calculation of Volatile Organic Compounds

Aqueous Concentration Formula: $Amt * DF * Uf * (1/Vo)$

Where:

DF = Dilution Factor

Vo = Sample Volume Purged (mL)

Uf = ng Unit Correction Factor (mL)

Soil Concentration Formula: $Amt * DF * (1/Wt)$

Where:

DF = Dilution Factor

Wt = Weight of Sample (g)

PACE ANALYTICAL SERVICES

PACE WORK GROUP REPORT (wk02)

Jun 30 2025, 05:54 pm

Work Group: WG2084006 for Department: 31 GC/MS - Volatiles

Created: 26-JUN-25 Due: Operator: PID

Sample	Client ID	C Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2538415-01	MW-104_061825	S NYTCL-8260	WATER	DONE	U	0702	0627	S0	Vial-B
L2538415-02	MW-202_061825	S NYTCL-8260	WATER	DONE	U	0702	0627	S0	Vial-B
L2538415-03	GWDUP01_061825	S NYTCL-8260	WATER	DONE	U	0702	0627	S0	Vial-B
L2538415-04	MW-103_061825	S NYTCL-8260	WATER	DONE	U	0702	0627	S0	Vial-B
L2538415-06	MW-101_061825	S NYTCL-8260	WATER	DONE	U	0702	0627	S0	Vial-B
L2538805-01	MW-4S	S NYTCL-8260	WATER	DONE	U	0703	0630	S0	Vial-B
L2538805-02	MW-4D2	S NYTCL-8260	WATER	DONE	U	0703	0630	S0	Vial-B
L2538805-03	SCDOH-DR	S NYTCL-8260	WATER	DONE	U	0703	0630	S0	Vial-B
L2538805-04	MW-10S	S NYTCL-8260	WATER	DONE	U	0703	0630	S0	Vial-B
L2538805-05	MW-10D	S NYTCL-8260	WATER	DONE	U	0703	0630	S0	Vial-B
L2538805-06	EQUIPMENT BLANK	S NYTCL-8260	WATER	DONE	U	0703	0630	S0	Vial-B
L2538805-07	TRIP BLANK	S NYTCL-8260	WATER	DONE	U	0703	0630	S0	Vial-B
WG2084006-1	MS BFB Tune Standard	S NYTCL-8260	WATER	DONE	U				
WG2084006-2	Continuing Calibrati	S NYTCL-8260	WATER	DONE	U				
WG2084006-3	Laboratory Control S	S NYTCL-8260	WATER	DONE	U				
WG2084006-4	LCS Duplicate	S NYTCL-8260	WATER	DONE	U				
WG2084006-5	Laboratory Method Bl	S NYTCL-8260	WATER	DONE	U				
WG2084006-6	Matrix Spike	S NYTCL-8260	WATER	DONE	U				
WG2084006-7	Matrix Spike Duplica	S NYTCL-8260	WATER	DONE	U				
Comments:									
WG2084006-4	WG2084006-3								
WG2084006-6	L2538415-01								
WG2084006-7	L2538415-01								

Inst: Elaine

BFB: V11162

Method

GC: 8260-SPLIT

Initials: TMS

IS/SS: V11160

Autosampler: 8260



Date: 05/23/25

ICAL: V11192B,V11188

Concentrator: 8260

Run: A

ICV: V11180, V11196, V11190, V11157, V11156, V11197

QC: _____ Seq: _____

Vial	Data File	Sample	obs
1	VE250523ABF3	BFB TUNE	
1	VE250523A01	BLK	
2	VE250523A02	BLK	
3	VE250523A03	I8260STD0.19PPB	
4	VE250523A04	I8260STD0.19PPB	
5	VE250523A05	I8260STD0.5PPB	
6	VE250523A06	I8260STD0.5PPB	
7	VE250523A07	I8260STD2PPB	
8	VE250523A08	I8260STD2PPB	
9	VE250523A09	I8260STD10PPB	
10	VE250523A10	I8260STD30PPB	
11	VE250523A11	I8260STD80PPB	
12	VE250523A12	I8260STD120PPB	
13	VE250523A13	I8260STD200PPB	
14	VE250523A14	BLK	
15	VE250523A15	BLK	
16	VE250523A16	BLK	
17	VE250523A17	BLK	
18	VE250523A18	C8260STD10PPB	
19	VE250523A19	C8260STD10PPB	
20	VE250523A20	BLK	
21	VE250523A21	METHOD BLK	
22	VE250523A22	MDL 0.19PPB	
23	VE250523A23	MDL 0.19PPB	
24	VE250523A24	MDL 0.5PPB	
25	VE250523A25	MDL 0.5PPB	
26	VE250523A26	MDL 2PPB	
27	VE250523A27	MDL 2PPB	
28	VE250523A28	BLK	

Inst: Elaine

BFB: V11220

Method

GC: 8260-SPLIT

Initials: PID

IS/SS: V11263

Autosampler: 8260

Date: 06/24/25

ICAL: V11254A,V11257

Concentrator: 8260



Run: N

QC: _____ Seq: _____

Vial	Data File	Sample	obs
30	VE250624N01	BFB TUNE/BLK	
31	VE250624N02	8260 CCAL	
32	VE250624N03	8260 CCAL	
33	VE250624N04	8260 CCAL	
34	VE250624N05	BLK	
35	VE250624N06	METHOD BLK	
36	VE250624N07	L2538805-01,31,10,10,,A	NYCURVE pH<2
37	VE250624N08	L2538805-02,31,10,10,,A	NYCURVE pH<2
38	VE250624N09	L2538805-03,31,10,10,,A	NYCURVE pH<2
39	VE250624N10	L2538805-04,31,10,10,,A	NYCURVE pH<2
40	VE250624N11	L2538805-05,31,10,10,,A	NYCURVE pH<2
41	VE250624N12	L2538805-06,31,10,10,,A	NYCURVE pH<2
42	VE250624N13	L2538805-07,31,10,10,,A	NYCURVE TB pH<2
43	VE250624N14	L2538415-02,31,10,10,,A	NYCURVE pH<2
44	VE250624N15	L2538415-03,31,10,10,,A	NYCURVE pH<2
45	VE250624N16	L2538415-04,31,10,10,,A	NYCURVE pH<2
46	VE250624N17	L2538415-01D,31,2.5,10,,A	NYCURVE pH<2
47	VE250624N18	L2538415-05D,31,5.0,10,,A	NYCURVE pH<2
48	VE250624N19	L2538415-06D,31,0.025,10,,A	NYCURVE pH<2
49	VE250624N20	L2538415-01MS,31,2.5,10,,A	NYCURVE pH<2
50	VE250624N21	L2538415-01MSD,31,2.5,10,,A	NYCURVE pH<2
51	VE250624N22	BLK	

Semivolatiles Data- Method 8270

Semivolatiles QC Summary

Laboratory Control Sample Summary

Form 3

Semivolatiles

Client : Roux Env. Eng. & Geology, DPC Lab Number : L2538805
 Project Name : CORAM GROUNDWATER EVENT Project Number : 2232.0006Y005
 Matrix (Level) : WATER (LOW)
 LCS Sample ID : WG2081650-2 Analysis Date : 06/21/25 12:59 File ID : 081650-2
 LCSD Sample ID : WG2081650-3 Analysis Date : 06/21/25 13:21 File ID : 081650-3

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R			
3,3'-Dichlorobenzidine	20	9.4	47	20	12.	60	24	40-140	30
2,4-Dinitrotoluene	20	17.	86	20	15.	73	16	48-143	30
2,6-Dinitrotoluene	20	17.	86	20	14.	71	19	40-140	30
4-Chlorophenyl phenyl ether	20	14.	69	20	13.	63	9	40-140	30
4-Bromophenyl phenyl ether	20	14.	68	20	12.	63	8	40-140	30
Bis(2-chloroisopropyl)ether	20	21.	104	20	18.	92	12	40-140	30
Bis(2-chloroethoxy)methane	20	16.	81	20	14.	72	12	40-140	30
Hexachlorocyclopentadiene	20	7.9	40	20	7.1	35 Q	13	40-140	30
Isophorone	20	16.	80	20	15.	73	9	40-140	30
Nitrobenzene	20	16.	80	20	15.	74	8	40-140	30
NDPA/DPA	20	13.	65	20	15.	74	13	40-140	30
n-Nitrosodi-n-propylamine	20	16.	79	20	13.	67	16	29-132	30
Bis(2-ethylhexyl)phthalate	20	22.	110	20	21.	105	5	40-140	30
Butyl benzyl phthalate	20	21.	105	20	18.	92	13	40-140	30
Di-n-butylphthalate	20	19.	94	20	17.	84	11	40-140	30
Di-n-octylphthalate	20	25.	124	20	22.	108	14	40-140	30
Diethyl phthalate	20	16.	81	20	14.	73	10	40-140	30
Dimethyl phthalate	20	15.	76	20	13.	67	13	40-140	30
Biphenyl	20	14.	72	20	13.	65	10	40-140	30
4-Chloroaniline	20	12.	60	20	8.7	44	31 Q	40-140	30
2-Nitroaniline	20	20.	99	20	16.	83	18	52-143	30
3-Nitroaniline	20	17.	85	20	16.	79	7	25-145	30
4-Nitroaniline	20	17.	86	20	16.	80	7	51-143	30
Dibenzofuran	20	15.	73	20	14.	69	6	40-140	30
1,2,4,5-Tetrachlorobenzene	20	12.	58	20	10.	50	15	2-134	30
Acetophenone	20	17.	83	20	15.	77	8	39-129	30



Laboratory Control Sample Summary

Form 3

Semivolatiles

Client : Roux Env. Eng. & Geology, DPC Lab Number : L2538805
 Project Name : CORAM GROUNDWATER EVENT Project Number : 2232.0006Y005
 Matrix (Level) : WATER (LOW)
 LCS Sample ID : WG2081650-2 Analysis Date : 06/21/25 12:59 File ID : 081650-2
 LCSD Sample ID : WG2081650-3 Analysis Date : 06/21/25 13:21 File ID : 081650-3

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R			
2,4,6-Trichlorophenol	20	15.	74	20	14.	72	3	30-130	30
p-Chloro-m-cresol	20	17.	87	20	16.	78	11	23-97	30
2-Chlorophenol	20	16.	81	20	15.	76	6	27-123	30
2,4-Dichlorophenol	20	17.	85	20	15.	76	11	30-130	30
2,4-Dimethylphenol	20	12.	61	20	12.	63	3	30-130	30
2-Nitrophenol	20	19.	94	20	16.	80	16	30-130	30
4-Nitrophenol	20	15.	74	20	15.	74	0	10-80	30
2,4-Dinitrophenol	20	15.	77	20	16.	78	1	20-130	30
4,6-Dinitro-o-cresol	20	16.	83	20	16.	80	4	20-164	30
Phenol	20	9.4	47	20	8.1	40	16	12-110	30
2-Methylphenol	20	15.	77	20	15.	74	4	30-130	30
3-Methylphenol/4-Methylphenol	20	15.	75	20	14.	68	10	30-130	30
2,4,5-Trichlorophenol	20	16.	82	20	15.	74	10	30-130	30
Carbazole	20	18.	88	20	16.	80	10	55-144	30
Atrazine	20	17.	85	20	15.	77	10	40-140	30
Benzaldehyde	20	17.	84	20	16.	79	6	40-140	30
Caprolactam	20	10.	52	20	9.6	48	8	10-130	30



Surrogate Recovery Summary

Form 2

Semivolatiles

Client: Roux Env. Eng. & Geology, DPC
Project Name: CORAM GROUNDWATER EVENT

Lab Number: L2538805
Project Number: 2232.0006Y005
Matrix: Equipment Blank/Water

CLIENT ID (LAB SAMPLE NO.)	S1 (2FP)	S2 (PHL)	S3 (NBZ)	S4 (FBP)	S5 (TBP)	S6 (TPH)	TOT OUT
MW-4S (L2538805-01)	53	39	66	54	54	60	0
MW-4D2 (L2538805-02)	60	44	78	64	63	74	0
SCDOH-DR (L2538805-03)	56	41	79	68	71	74	0
MW-10S (L2538805-04)	56	43	75	62	59	74	0
MW-10D (L2538805-05)	52	39	73	63	60	72	0
EQUIPMENT BLANK (L2538805-06)	46	33	70	61	63	77	0
WG2081650-1BLANK	53	40	76	65	59	84	0
WG2081650-2LCS	65	51	83	65	67	76	0
WG2081650-3LCSD	59	44	70	57	58	66	0

QC LIMITS

(21-120) 2FP = 2-FLUOROPHENOL
(10-120) PHL = PHENOL-D6
(23-120) NBZ = NITROBENZENE-D5
(15-120) FBP = 2-FLUOROBIPHENYL
(10-120) TBP = 2,4,6-TRIBROMOPHENOL
(41-149) TPH = 4-TERPHENYL-D14

* Values outside of QC limits

FORM II NYTCL-8270-RVT



Method Blank Summary
Form 4
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab Sample ID	: WG2081650-1	Lab File ID	: 081650-1
Instrument ID	: SV112	Extraction Date	: 06/21/25
Matrix	: WATER	Analysis Date	: 06/21/25 12:36
Level	: LOW		

Client Sample No.	Lab Sample ID	Analysis Date
WG2081650-2LCS	WG2081650-2	06/21/25 12:59
WG2081650-3LCSD	WG2081650-3	06/21/25 13:21
MW-4S	L2538805-01	06/21/25 20:11
MW-4D2	L2538805-02	06/21/25 20:33
SCDOH-DR	L2538805-03	06/21/25 20:56
MW-10S	L2538805-04	06/21/25 21:19
MW-10D	L2538805-05	06/21/25 21:41
EQUIPMENT BLANK	L2538805-06	06/21/25 22:04

Instrument Performance Check (Tune) Summary

Form 5

Semivolatiles

Decafluorotriphenylphosphine (DFTPP)

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Instrument ID	: SV112	Analysis Date	: 03/13/25 13:24
Tune Standard	: R1940620-31	Tune File ID	: Tune1_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	35.3
68	Less than 2.0% of mass 69	0.6 (1.7)1
69		100
70	Less than 2.0% of mass 69	0.2 (.5)1
127	10.0 - 80.0% of Base Peak	43.8
197	Less than 2.0% of mass 198	0.8
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	7.1
275	10.0 - 60.0% of Base Peak	27.5
365	Greater than 1.0% of mass 198	3.3
441	Present, but less than 24% of mass 442	17.5
442	Base Peak, or >50% of mass 198	72.5
443	15.0 - 24.0% of mass 442	14.5 (20)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
ABNL9	R1940620-9	ABNL9	03/13/25 13:47
ABNL8	R1940620-8	ABNL8	03/13/25 14:10
ABNL7	R1940620-7	ABNL7	03/13/25 14:32
ABNL6	R1940620-6	ABNL6	03/13/25 14:55
ABNL5	R1940620-5	ABNL5	03/13/25 15:18
ABNL4	R1940620-4	ABNL4	03/13/25 15:41
ABNL3	R1940620-3	ABNL3	03/13/25 16:03
ABNL2	R1940620-2	ABNL2	03/13/25 16:26
ABNL1	R1940620-1	ABNL1	03/13/25 16:49
AP9L9	R1940620-27	AP9L9	03/13/25 17:12
AP9L8	R1940620-26	AP9L8	03/13/25 17:35
AP9L7	R1940620-25	AP9L7	03/13/25 17:57
AP9L6	R1940620-24	AP9L6	03/13/25 18:20
AP9L5	R1940620-23	AP9L5	03/13/25 18:43
AP9L4	R1940620-22	AP9L4	03/13/25 19:06
AP9L3	R1940620-21	AP9L3	03/13/25 19:29
AP9L2	R1940620-20	AP9L2	03/13/25 19:51
AP9L1	R1940620-19	AP9L1	03/13/25 20:14
ABN ICV Quant Report	R1940620-29	ABNICV	03/13/25 20:37
AP9 ICV Quant Report	R1940620-30	AP9ICV	03/13/25 21:00



Instrument Performance Check (Tune) Summary

Form 5

Semivolatiles

Decafluorotriphenylphosphine (DFTPP)

Client : Roux Env. Eng. & Geology, DPC	Lab Number : L2538805
Project Name : CORAM GROUNDWATER EVENT	Project Number : 2232.0006Y005
Instrument ID : SV112	Analysis Date : 03/13/25 21:22
Tune Standard : R1940620-32	Tune File ID : Tune2_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	32.6
68	Less than 2.0% of mass 69	0.6 (1.7)1
69		100
70	Less than 2.0% of mass 69	0.2 (.5)1
127	10.0 - 80.0% of Base Peak	44.4
197	Less than 2.0% of mass 198	0.7
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	7.5
275	10.0 - 60.0% of Base Peak	29.3
365	Greater than 1.0% of mass 198	3.6
441	Present, but less than 24% of mass 442	18.2
442	Base Peak, or >50% of mass 198	79
443	15.0 - 24.0% of mass 442	16.2 (20.5)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
ADPL9	R1940620-18	ADPL9	03/13/25 21:45
ADPL8	R1940620-17	ADPL8	03/13/25 22:08
ADPL7	R1940620-16	ADPL7	03/13/25 22:31
ADPL6	R1940620-15	ADPL6	03/13/25 22:53
ADPL5	R1940620-14	ADPL5	03/13/25 23:16
ADPL4	R1940620-13	ADPL4	03/13/25 23:39
ADPL3	R1940620-12	ADPL3	03/14/25 00:02
ADPL2	R1940620-11	ADPL2	03/14/25 00:25
ADPL1	R1940620-10	ADPL1	03/14/25 00:48
ADP ICV Quant Report	R1940620-28	ADPICV	03/14/25 01:11



Instrument Performance Check (Tune) Summary

Form 5

Semivolatiles

Decafluorotriphenylphosphine (DFTPP)

Client : Roux Env. Eng. & Geology, DPC	Lab Number : L2538805
Project Name : CORAM GROUNDWATER EVENT	Project Number : 2232.0006Y005
Instrument ID : SV112	Analysis Date : 06/21/25 11:05
Tune Standard : WG2081810-1	Tune File ID : DEG0621_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	35.3
68	Less than 2.0% of mass 69	0.5 (1.5)1
69		100
70	Less than 2.0% of mass 69	0.2 (.5)1
127	10.0 - 80.0% of Base Peak	46.6
197	Less than 2.0% of mass 198	0.4
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.9
275	10.0 - 60.0% of Base Peak	23.6
365	Greater than 1.0% of mass 198	2.7
441	Present, but less than 24% of mass 442	18.1
442	Base Peak, or >50% of mass 198	54.4
443	15.0 - 24.0% of mass 442	10.5 (19.2)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG2081810-6TFACTOR-B	WG2081810-6	DEG0621	06/21/25 11:05
WG2081810-7TFACTOR-P	WG2081810-7	DEG0621	06/21/25 11:05
WG2081810-3CCAL	WG2081810-3	ABN0621	06/21/25 11:28
WG2081810-4CCAL	WG2081810-4	AP90621	06/21/25 11:50
WG2081810-5CCAL	WG2081810-5	ADP0621	06/21/25 12:13
WG2081650-1BLANK	WG2081650-1	081650-1	06/21/25 12:36
WG2081650-2LCS	WG2081650-2	081650-2	06/21/25 12:59
WG2081650-3LCSD	WG2081650-3	081650-3	06/21/25 13:21
MW-4S	L2538805-01	38805-01	06/21/25 20:11
MW-4D2	L2538805-02	38805-02	06/21/25 20:33
SCDOH-DR	L2538805-03	38805-03	06/21/25 20:56
MW-10S	L2538805-04	38805-04	06/21/25 21:19
MW-10D	L2538805-05	38805-05	06/21/25 21:41
EQUIPMENT BLANK	L2538805-06	38805-06	06/21/25 22:04



Internal Standard Area and RT Summary

Form 8a

Semivolatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM GROUNDWATER EVENT
 Instrument ID : SV112
 Sample No : WG2081810-3

Lab Number : L2538805
 Project Number : 2232.0006Y005
 Analysis Date : 06/21/25 11:28:00
 Lab File ID : ABN0621

	1,4-Dichlorobenzene-d4		Naphthalene-d8		Acenaphthene-d10	
	Area	RT	Area	RT	Area	RT
WG2081810-3	22450	3.71	86605	4.97	53004	6.65
Upper Limit	44900	4.21	173210	5.47	106008	7.15
Lower Limit	11225	3.21	43303	4.47	26502	6.15
Sample ID						
WG2081810-4 CCAL	22756	3.71	88541	4.97	53432	6.65
WG2081810-5 CCAL	18865	3.71	-	-	42482	6.65
WG2081650-1 BLANK	19460	3.71	74501	4.97	43040	6.65
WG2081650-2 LCS	19644	3.71	74661	4.97	47060	6.65
WG2081650-3 LCSD	18685	3.71	71809	4.97	42829	6.65
MW-4S	19882	3.71	75740	4.97	46189	6.65
MW-4D2	19940	3.72	76541	4.97	47031	6.65
SCDOH-DR	20373	3.72	77750	4.97	48099	6.65
MW-10S	19141	3.71	75706	4.97	46909	6.65
MW-10D	21722	3.71	83611	4.97	51097	6.65
EQUIPMENT BLANK	21240	3.72	80897	4.97	49379	6.65

Area Upper Limit = +100% of internal standard area
 Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
 RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits



Internal Standard Area and RT Summary

Form 8a

Semivolatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM GROUNDWATER EVENT
 Instrument ID : SV112
 Sample No : WG2081810-3

Lab Number : L2538805
 Project Number : 2232.0006Y005
 Analysis Date : 06/21/25 11:28:00
 Lab File ID : ABN0621

	Phenanthrene-d10		Chrysene-d12		Perylene-d12	
	Area	RT	Area	RT	Area	RT
WG2081810-3	110288	8.05	115775	10.56	127514	11.92
Upper Limit	220576	8.55	231550	11.06	255028	12.42
Lower Limit	55144	7.55	57888	10.06	63757	11.42
Sample ID						
WG2081810-4 CCAL	115124	8.04	-	-	-	-
WG2081810-5 CCAL	89880	8.04	-	-	-	-
WG2081650-1 BLANK	95261	8.04	111268	10.55	126342	11.92
WG2081650-2 LCS	98160	8.04	108588	10.56	123468	11.92
WG2081650-3 LCSD	89174	8.04	99674	10.56	115065	11.92
MW-4S	96316	8.05	105374	10.56	118230	11.93
MW-4D2	99566	8.05	107810	10.56	121732	11.93
SCDOH-DR	102450	8.05	107680	10.56	120019	11.93
MW-10S	99580	8.04	109550	10.56	122913	11.93
MW-10D	113115	8.05	124022	10.56	139838	11.93
EQUIPMENT BLANK	106732	8.05	111960	10.56	124409	11.92

Area Upper Limit = +100% of internal standard area
 Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
 RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits





Date Created: 04/17/25
Created By: Jason Hebert
File: PM19302-1
Page: 1

ABN Extractables - EPA 8270E (RVT) (WATER)

Holding Time: 7 days
Container/Sample Preservation: 2 - Amber 100ml unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Acenaphthene	83-32-9	2	0.403	ug/l	37-111	30	37-111	30	30			
Benzidine	92-87-5	20	6.01	ug/l	10-75	30	10-75	30	30			
1,2,4-Trichlorobenzene	120-82-1	5	0.977	ug/l	39-98	30	39-98	30	30			
Hexachlorobenzene	118-74-1	2	0.452	ug/l	40-140	30	40-140	30	30			
Bis(2-chloroethyl)ether	111-44-4	2	0.392	ug/l	40-140	30	40-140	30	30			
2-Chloronaphthalene	91-58-7	2	0.35	ug/l	40-140	30	40-140	30	30			
1,2-Dichlorobenzene	95-50-1	2	0.329	ug/l	40-140	30	40-140	30	30			
1,3-Dichlorobenzene	541-73-1	2	0.315	ug/l	40-140	30	40-140	30	30			
1,4-Dichlorobenzene	106-46-7	2	0.391	ug/l	36-97	30	36-97	30	30			
3,3'-Dichlorobenzidine	91-94-1	5	1.85	ug/l	40-140	30	40-140	30	30			
2,4-Dinitrotoluene	121-14-2	5	0.541	ug/l	48-143	30	48-143	30	30			
2,6-Dinitrotoluene	606-20-2	5	0.845	ug/l	40-140	30	40-140	30	30			
Azobenzene	122-66-7	2	0.418	ug/l	40-140	30	40-140	30	30			
Fluoranthene	206-44-0	2	0.411	ug/l	40-140	30	40-140	30	30			
4-Chlorophenyl phenyl ether	7005-72-3	2	0.386	ug/l	40-140	30	40-140	30	30			
4-Bromophenyl phenyl ether	101-55-3	2	0.244	ug/l	40-140	30	40-140	30	30			
Bis(2-chloroisopropyl)ether	108-60-1	2	0.403	ug/l	40-140	30	40-140	30	30			
Bis(2-chloroethoxy)methane	111-91-1	5	0.842	ug/l	40-140	30	40-140	30	30			
Hexachlorobutadiene	87-68-3	2	0.355	ug/l	40-140	30	40-140	30	30			
Hexachlorocyclopentadiene	77-47-4	20	1.23	ug/l	40-140	30	40-140	30	30			
Hexachloroethane	67-72-1	2	0.203	ug/l	40-140	30	40-140	30	30			
Isophorone	78-59-1	5	0.862	ug/l	40-140	30	40-140	30	30			
Naphthalene	91-20-3	2	0.542	ug/l	40-140	30	40-140	30	30			
Nitrobenzene	98-95-3	2	0.205	ug/l	40-140	30	40-140	30	30			
NitrosoDiPhenylAmine(NDPA)/DPA	86-30-6	2	0.924	ug/l	40-140	30	40-140	30	30			
n-Nitrosodi-n-propylamine	621-64-7	5	0.906	ug/l	29-132	30	29-132	30	30			
Bis(2-Ethylhexyl)phthalate	117-81-7	3	1.42	ug/l	40-140	30	40-140	30	30			
Butyl benzyl phthalate	85-68-7	5	2.61	ug/l	40-140	30	40-140	30	30			
Di-n-butylphthalate	84-74-2	5	0.957	ug/l	40-140	30	40-140	30	30			
Di-n-octylphthalate	117-84-0	5	2.26	ug/l	40-140	30	40-140	30	30			
Diethyl phthalate	84-66-2	5	0.765	ug/l	40-140	30	40-140	30	30			
Dimethyl phthalate	131-11-3	5	0.916	ug/l	40-140	30	40-140	30	30			
Benzo(a)anthracene	56-55-3	2	0.323	ug/l	40-140	30	40-140	30	30			
Benzo(a)pyrene	50-32-8	2	0.368	ug/l	40-140	30	40-140	30	30			
Benzo(b)fluoranthene	205-99-2	2	0.533	ug/l	40-140	30	40-140	30	30			
Benzo(k)fluoranthene	207-08-9	2	0.621	ug/l	40-140	30	40-140	30	30			
Chrysene	218-01-9	2	0.222	ug/l	40-140	30	40-140	30	30			
Acenaphthylene	208-96-8	2	0.315	ug/l	45-123	30	45-123	30	30			
Anthracene	120-12-7	2	0.467	ug/l	40-140	30	40-140	30	30			
Benzo(ghi)perylene	191-24-2	2	0.369	ug/l	40-140	30	40-140	30	30			
Fluorene	86-73-7	2	0.439	ug/l	40-140	30	40-140	30	30			
Phenanthrene	85-01-8	2	0.419	ug/l	40-140	30	40-140	30	30			

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of Pace Analytical Services.



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Date Created: 04/17/25
Created By: Jason Hebert
File: PM19302-1
Page: 2

ABN Extractables - EPA 8270E (RVT) (WATER)

Holding Time: 7 days
Container/Sample Preservation: 2 - Amber 100ml unpreserved

Analyte	CAS #	RL	MDL	Units	LCS Criteria	LCS RPD	MS Criteria	MS RPD	Duplicate RPD	Surrogate Criteria		
Dibenzo(a,h)anthracene	53-70-3	2	0.286	ug/l	40-140	30	40-140	30	30			
Indeno(1,2,3-cd)Pyrene	193-39-5	2	0.484	ug/l	40-140	30	40-140	30	30			
Pyrene	129-00-0	2	0.407	ug/l	26-127	30	26-127	30	30			
Biphenyl	92-52-4	2	0.196	ug/l	40-140	30	40-140	30	30			
Aniline	62-53-3	2	0.67	ug/l	40-140	30	40-140	30	30			
4-Chloroaniline	106-47-8	5	0.468	ug/l	40-140	30	40-140	30	30			
1-Methylnaphthalene	90-12-0	2	0.415	ug/l	41-103	30	41-103	30	30			
2-Nitroaniline	88-74-4	5	1.03	ug/l	52-143	30	52-143	30	30			
3-Nitroaniline	99-09-2	5	1.16	ug/l	25-145	30	25-145	30	30			
4-Nitroaniline	100-01-6	5	1.45	ug/l	51-143	30	51-143	30	30			
Dibenzofuran	132-64-9	2	0.401	ug/l	40-140	30	40-140	30	30			
2-Methylnaphthalene	91-57-6	2	0.372	ug/l	40-140	30	40-140	30	30			
n-Nitrosodimethylamine	62-75-9	2	0.44	ug/l	22-74	30	22-74	30	30			
2,4,6-Trichlorophenol	88-06-2	5	2.09	ug/l	30-130	30	30-130	30	30			
P-Chloro-M-Cresol	59-50-7	2	0.606	ug/l	23-97	30	23-97	30	30			
2-Chlorophenol	95-57-8	2	0.653	ug/l	27-123	30	27-123	30	30			
2,4-Dichlorophenol	120-83-2	5	1.7	ug/l	30-130	30	30-130	30	30			
2,4-Dimethylphenol	105-67-9	5	2.04	ug/l	30-130	30	30-130	30	30			
2-Nitrophenol	88-75-5	10	1.95	ug/l	30-130	30	30-130	30	30			
4-Nitrophenol	100-02-7	10	1.42	ug/l	10-80	30	10-80	30	30			
2,4-Dinitrophenol	51-28-5	20	5.42	ug/l	20-130	30	20-130	30	30			
4,6-Dinitro-o-cresol	534-52-1	10	2.31	ug/l	20-164	30	20-164	30	30			
Pentachlorophenol	87-86-5	10	2.51	ug/l	9-103	30	9-103	30	30			
Phenol	108-95-2	5	0.35	ug/l	12-110	30	12-110	30	30			
2-Methylphenol	95-48-7	5	2.31	ug/l	30-130	30	30-130	30	30			
3-Methylphenol/4-Methylphenol	106-44-5	5	1.39	ug/l	30-130	30	30-130	30	30			
2,4,5-Trichlorophenol	95-95-4	5	2.07	ug/l	30-130	30	30-130	30	30			
Benzoic Acid	65-85-0	50	2.62	ug/l	10-164	30	10-164	30	30			
Benzyl Alcohol	100-51-6	2	0.381	ug/l	26-116	30	26-116	30	30			
Carbazole	86-74-8	2	0.309	ug/l	55-144	30	55-144	30	30			
Pyridine	110-86-1	3.5	0.308	ug/l	10-66	30	10-66	30	30			
2-Fluorophenol	367-12-4									21-120		
Phenol-d6	13127-88-3									10-120		
Nitrobenzene-d5	4165-60-0									23-120		
2-Fluorobiphenyl	321-60-8									15-120		
2,4,6-Tribromophenol	118-79-6									10-120		
4-Terphenyl-d14	1718-51-0									41-149		

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of Pace Analytical Services.



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Semivolatile Sample Data

Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC Project Name : CORAM GROUNDWATER EVENT Lab ID : L2538805-01 Client ID : MW-4S Sample Location : 416 MILLER PLACE-YAPHANK RD. Sample Matrix : WATER Analytical Method : 1,8270E Lab File ID : 38805-01 Sample Amount : 100 ml Extraction Method : EPA 3510C Extract Volume : 1000 uL GPC Cleanup : N	Lab Number : L2538805 Project Number : 2232.0006Y005 Date Collected : 06/19/25 11:10 Date Received : 06/19/25 Date Analyzed : 06/21/25 20:11 Date Extracted : 06/21/25 Dilution Factor : 1 Analyst : SMZ Instrument ID : SV112 GC Column : RTX5-MS %Solids : N/A Injection Volume : 1 uL
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CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM GROUNDWATER EVENT
 Lab ID : L2538805-01
 Client ID : MW-4S
 Sample Location : 416 MILLER PLACE-YAPHANK RD.
 Sample Matrix : WATER
 Analytical Method : 1,8270E
 Lab File ID : 38805-01
 Sample Amount : 100 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2538805
 Project Number : 2232.0006Y005
 Date Collected : 06/19/25 11:10
 Date Received : 06/19/25
 Date Analyzed : 06/21/25 20:11
 Date Extracted : 06/21/25
 Dilution Factor : 1
 Analyst : SMZ
 Instrument ID : SV112
 GC Column : RTX5-MS
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U
86-74-8	Carbazole	ND	2.0	0.31	U
1912-24-9	Atrazine	ND	10	1.0	U
100-52-7	Benzaldehyde	ND	5.0	1.1	U
105-60-2	Caprolactam	ND	10	1.2	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC Project Name : CORAM GROUNDWATER EVENT Lab ID : L2538805-02 Client ID : MW-4D2 Sample Location : 416 MILLER PLACE-YAPHANK RD. Sample Matrix : WATER Analytical Method : 1,8270E Lab File ID : 38805-02 Sample Amount : 100 ml Extraction Method : EPA 3510C Extract Volume : 1000 uL GPC Cleanup : N	Lab Number : L2538805 Project Number : 2232.0006Y005 Date Collected : 06/19/25 11:05 Date Received : 06/19/25 Date Analyzed : 06/21/25 20:33 Date Extracted : 06/21/25 Dilution Factor : 1 Analyst : SMZ Instrument ID : SV112 GC Column : RTX5-MS %Solids : N/A Injection Volume : 1 uL
--	---

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC Project Name : CORAM GROUNDWATER EVENT Lab ID : L2538805-02 Client ID : MW-4D2 Sample Location : 416 MILLER PLACE-YAPHANK RD. Sample Matrix : WATER Analytical Method : 1,8270E Lab File ID : 38805-02 Sample Amount : 100 ml Extraction Method : EPA 3510C Extract Volume : 1000 uL GPC Cleanup : N	Lab Number : L2538805 Project Number : 2232.0006Y005 Date Collected : 06/19/25 11:05 Date Received : 06/19/25 Date Analyzed : 06/21/25 20:33 Date Extracted : 06/21/25 Dilution Factor : 1 Analyst : SMZ Instrument ID : SV112 GC Column : RTX5-MS %Solids : N/A Injection Volume : 1 uL
--	---

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U
86-74-8	Carbazole	ND	2.0	0.31	U
1912-24-9	Atrazine	ND	10	1.0	U
100-52-7	Benzaldehyde	ND	5.0	1.1	U
105-60-2	Caprolactam	ND	10	1.2	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC Project Name : CORAM GROUNDWATER EVENT Lab ID : L2538805-03 Client ID : SCDOH-DR Sample Location : 416 MILLER PLACE-YAPHANK RD. Sample Matrix : WATER Analytical Method : 1,8270E Lab File ID : 38805-03 Sample Amount : 100 ml Extraction Method : EPA 3510C Extract Volume : 1000 uL GPC Cleanup : N	Lab Number : L2538805 Project Number : 2232.0006Y005 Date Collected : 06/19/25 10:00 Date Received : 06/19/25 Date Analyzed : 06/21/25 20:56 Date Extracted : 06/21/25 Dilution Factor : 1 Analyst : SMZ Instrument ID : SV112 GC Column : RTX5-MS %Solids : N/A Injection Volume : 1 uL
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CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC Project Name : CORAM GROUNDWATER EVENT Lab ID : L2538805-03 Client ID : SCDOH-DR Sample Location : 416 MILLER PLACE-YAPHANK RD. Sample Matrix : WATER Analytical Method : 1,8270E Lab File ID : 38805-03 Sample Amount : 100 ml Extraction Method : EPA 3510C Extract Volume : 1000 uL GPC Cleanup : N	Lab Number : L2538805 Project Number : 2232.0006Y005 Date Collected : 06/19/25 10:00 Date Received : 06/19/25 Date Analyzed : 06/21/25 20:56 Date Extracted : 06/21/25 Dilution Factor : 1 Analyst : SMZ Instrument ID : SV112 GC Column : RTX5-MS %Solids : N/A Injection Volume : 1 uL
--	---

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U
86-74-8	Carbazole	ND	2.0	0.31	U
1912-24-9	Atrazine	ND	10	1.0	U
100-52-7	Benzaldehyde	ND	5.0	1.1	U
105-60-2	Caprolactam	ND	10	1.2	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC Project Name : CORAM GROUNDWATER EVENT Lab ID : L2538805-04 Client ID : MW-10S Sample Location : 416 MILLER PLACE-YAPHANK RD. Sample Matrix : WATER Analytical Method : 1,8270E Lab File ID : 38805-04 Sample Amount : 100 ml Extraction Method : EPA 3510C Extract Volume : 1000 uL GPC Cleanup : N	Lab Number : L2538805 Project Number : 2232.0006Y005 Date Collected : 06/19/25 08:38 Date Received : 06/19/25 Date Analyzed : 06/21/25 21:19 Date Extracted : 06/21/25 Dilution Factor : 1 Analyst : SMZ Instrument ID : SV112 GC Column : RTX5-MS %Solids : N/A Injection Volume : 1 uL
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CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM GROUNDWATER EVENT
 Lab ID : L2538805-04
 Client ID : MW-10S
 Sample Location : 416 MILLER PLACE-YAPHANK RD.
 Sample Matrix : WATER
 Analytical Method : 1,8270E
 Lab File ID : 38805-04
 Sample Amount : 100 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2538805
 Project Number : 2232.0006Y005
 Date Collected : 06/19/25 08:38
 Date Received : 06/19/25
 Date Analyzed : 06/21/25 21:19
 Date Extracted : 06/21/25
 Dilution Factor : 1
 Analyst : SMZ
 Instrument ID : SV112
 GC Column : RTX5-MS
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U
86-74-8	Carbazole	ND	2.0	0.31	U
1912-24-9	Atrazine	ND	10	1.0	U
100-52-7	Benzaldehyde	ND	5.0	1.1	U
105-60-2	Caprolactam	ND	10	1.2	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC Project Name : CORAM GROUNDWATER EVENT Lab ID : L2538805-05 Client ID : MW-10D Sample Location : 416 MILLER PLACE-YAPHANK RD. Sample Matrix : WATER Analytical Method : 1,8270E Lab File ID : 38805-05 Sample Amount : 100 ml Extraction Method : EPA 3510C Extract Volume : 1000 uL GPC Cleanup : N	Lab Number : L2538805 Project Number : 2232.0006Y005 Date Collected : 06/19/25 08:50 Date Received : 06/19/25 Date Analyzed : 06/21/25 21:41 Date Extracted : 06/21/25 Dilution Factor : 1 Analyst : SMZ Instrument ID : SV112 GC Column : RTX5-MS %Solids : N/A Injection Volume : 1 uL
--	---

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC Project Name : CORAM GROUNDWATER EVENT Lab ID : L2538805-05 Client ID : MW-10D Sample Location : 416 MILLER PLACE-YAPHANK RD. Sample Matrix : WATER Analytical Method : 1,8270E Lab File ID : 38805-05 Sample Amount : 100 ml Extraction Method : EPA 3510C Extract Volume : 1000 uL GPC Cleanup : N	Lab Number : L2538805 Project Number : 2232.0006Y005 Date Collected : 06/19/25 08:50 Date Received : 06/19/25 Date Analyzed : 06/21/25 21:41 Date Extracted : 06/21/25 Dilution Factor : 1 Analyst : SMZ Instrument ID : SV112 GC Column : RTX5-MS %Solids : N/A Injection Volume : 1 uL
--	---

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U
86-74-8	Carbazole	ND	2.0	0.31	U
1912-24-9	Atrazine	ND	10	1.0	U
100-52-7	Benzaldehyde	ND	5.0	1.1	U
105-60-2	Caprolactam	ND	10	1.2	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC Project Name : CORAM GROUNDWATER EVENT Lab ID : L2538805-06 Client ID : EQUIPMENT BLANK Sample Location : 416 MILLER PLACE-YAPHANK RD. Sample Matrix : Equipment Blank Analytical Method : 1,8270E Lab File ID : 38805-06 Sample Amount : 100 ml Extraction Method : EPA 3510C Extract Volume : 1000 uL GPC Cleanup : N	Lab Number : L2538805 Project Number : 2232.0006Y005 Date Collected : 06/19/25 12:00 Date Received : 06/19/25 Date Analyzed : 06/21/25 22:04 Date Extracted : 06/21/25 Dilution Factor : 1 Analyst : SMZ Instrument ID : SV112 GC Column : RTX5-MS %Solids : N/A Injection Volume : 1 uL
---	---

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC	Lab Number : L2538805
Project Name : CORAM GROUNDWATER EVENT	Project Number : 2232.0006Y005
Lab ID : L2538805-06	Date Collected : 06/19/25 12:00
Client ID : EQUIPMENT BLANK	Date Received : 06/19/25
Sample Location : 416 MILLER PLACE-YAPHANK RD.	Date Analyzed : 06/21/25 22:04
Sample Matrix : Equipment Blank	Date Extracted : 06/21/25
Analytical Method : 1,8270E	Dilution Factor : 1
Lab File ID : 38805-06	Analyst : SMZ
Sample Amount : 100 ml	Instrument ID : SV112
Extraction Method : EPA 3510C	GC Column : RTX5-MS
Extract Volume : 1000 uL	%Solids : N/A
GPC Cleanup : N	Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U
86-74-8	Carbazole	ND	2.0	0.31	U
1912-24-9	Atrazine	ND	10	1.0	U
100-52-7	Benzaldehyde	ND	5.0	1.1	U
105-60-2	Caprolactam	ND	10	1.2	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM GROUNDWATER EVENT
 Lab ID : WG2081650-1
 Client ID : WG2081650-1BLANK
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 1,8270E
 Lab File ID : 081650-1
 Sample Amount : 100 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2538805
 Project Number : 2232.0006Y005
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 06/21/25 12:36
 Date Extracted : 06/21/25
 Dilution Factor : 1
 Analyst : SMZ
 Instrument ID : SV112
 GC Column : RTX5-MS
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
91-94-1	3,3'-Dichlorobenzidine	ND	5.0	1.8	U
121-14-2	2,4-Dinitrotoluene	ND	5.0	0.54	U
606-20-2	2,6-Dinitrotoluene	ND	5.0	0.84	U
7005-72-3	4-Chlorophenyl phenyl ether	ND	2.0	0.39	U
101-55-3	4-Bromophenyl phenyl ether	ND	2.0	0.24	U
108-60-1	Bis(2-chloroisopropyl)ether	ND	2.0	0.40	U
111-91-1	Bis(2-chloroethoxy)methane	ND	5.0	0.84	U
77-47-4	Hexachlorocyclopentadiene	ND	20	1.2	U
78-59-1	Isophorone	ND	5.0	0.86	U
98-95-3	Nitrobenzene	ND	2.0	0.20	U
86-30-6	NDPA/DPA	ND	2.0	0.92	U
621-64-7	n-Nitrosodi-n-propylamine	ND	5.0	0.91	U
117-81-7	Bis(2-ethylhexyl)phthalate	ND	3.0	1.4	U
85-68-7	Butyl benzyl phthalate	ND	5.0	2.6	U
84-74-2	Di-n-butylphthalate	ND	5.0	0.96	U
117-84-0	Di-n-octylphthalate	ND	5.0	2.3	U
84-66-2	Diethyl phthalate	ND	5.0	0.76	U
131-11-3	Dimethyl phthalate	ND	5.0	0.92	U
92-52-4	Biphenyl	ND	2.0	0.20	U
106-47-8	4-Chloroaniline	ND	5.0	0.47	U
88-74-4	2-Nitroaniline	ND	5.0	1.0	U
99-09-2	3-Nitroaniline	ND	5.0	1.2	U



Results Summary

Form 1

Semivolatile Organics by GC/MS

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM GROUNDWATER EVENT
 Lab ID : WG2081650-1
 Client ID : WG2081650-1BLANK
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 1,8270E
 Lab File ID : 081650-1
 Sample Amount : 100 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2538805
 Project Number : 2232.0006Y005
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 06/21/25 12:36
 Date Extracted : 06/21/25
 Dilution Factor : 1
 Analyst : SMZ
 Instrument ID : SV112
 GC Column : RTX5-MS
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
100-01-6	4-Nitroaniline	ND	5.0	1.4	U
132-64-9	Dibenzofuran	ND	2.0	0.40	U
95-94-3	1,2,4,5-Tetrachlorobenzene	ND	10	0.24	U
98-86-2	Acetophenone	ND	5.0	0.92	U
88-06-2	2,4,6-Trichlorophenol	ND	5.0	2.1	U
59-50-7	p-Chloro-m-cresol	ND	2.0	0.61	U
95-57-8	2-Chlorophenol	ND	2.0	0.65	U
120-83-2	2,4-Dichlorophenol	ND	5.0	1.7	U
105-67-9	2,4-Dimethylphenol	ND	5.0	2.0	U
88-75-5	2-Nitrophenol	ND	10	2.0	U
100-02-7	4-Nitrophenol	ND	10	1.4	U
51-28-5	2,4-Dinitrophenol	ND	20	5.4	U
534-52-1	4,6-Dinitro-o-cresol	ND	10	2.3	U
108-95-2	Phenol	ND	5.0	0.35	U
95-48-7	2-Methylphenol	ND	5.0	2.3	U
108-39-4/106-44-5	3-Methylphenol/4-Methylphenol	ND	5.0	1.4	U
95-95-4	2,4,5-Trichlorophenol	ND	5.0	2.1	U
86-74-8	Carbazole	ND	2.0	0.31	U
1912-24-9	Atrazine	ND	10	1.0	U
100-52-7	Benzaldehyde	ND	5.0	1.1	U
105-60-2	Caprolactam	ND	10	1.2	U



Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250621RVTb\
 Data File : 38805-01.D
 Acq On : 21 Jun 2025 08:11 pm
 Operator : SV112:smz
 Sample : L2538805-01,32,,gmr
 Misc : WG2081810,WG2081650,ical22084
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jun 24 09:08:33 2025
 Quant Method : I:\8270\SV112\250621RVTb\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Jun 21 13:15:10 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250621RVTb\ABN0621.D
 : 2 - I:\8270\SV112\250621RVTb\ADP0621.D
 : 3 - I:\8270\SV112\250621RVTb\AP90621.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) IS1_1,4-Dichlorobenzen...	3.714	152	19882	4.000	ug/ml	0.00
Standard Area 1 = 22450			Recovery =	88.56%		
27) IS2_1,4-Dichlorobenzen...	3.714	152	19882	4.000	ug/ml	0.00
Standard Area 3 = 22756			Recovery =	87.37%		
35) IS1_Naphthalene-d8	4.972	136	75740	4.000	ug/ml	0.00
Standard Area 1 = 86605			Recovery =	87.45%		
55) IS2_Naphthalene-d8	4.972	136	75740	4.000	ug/ml	0.00
Standard Area 3 = 88541			Recovery =	85.54%		
63) IS1_Acenaphthene-d10	6.649	164	46189	4.000	ug/ml	0.00
Standard Area 1 = 53004			Recovery =	87.14%		
83) IS2_Acenaphthene-d10	6.649	164	46189	4.000	ug/ml	0.00
Standard Area 3 = 53432			Recovery =	86.44%		
86) IS3_Acenaphthene-d10	6.649	164	46189	4.000	ug/ml	0.00
Standard Area 2 = 42482			Recovery =	108.73%		
88) IS1_Phenanthrene-d10	8.049	188	96316	4.000	ug/ml	0.00
Standard Area 1 = 110288			Recovery =	87.33%		
100) IS3_Phenanthrene-d10	8.049	188	96316	4.000	ug/ml	0.00
Standard Area 2 = 89880			Recovery =	107.16%		
104) IS1_Chrysene-d12	10.560	240	105374	4.000	ug/ml	0.00
Standard Area 1 = 115775			Recovery =	91.02%		
113) IS1_Perylene-d12	11.925	264	118230	4.000	ug/ml	0.00
Standard Area 1 = 127514			Recovery =	92.72%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.343	112	5720	1.063	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	53.15%		
7) Phenol-d6	3.449	99	5226	0.779	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	38.95%		
19) Nitrobenzene-d5	4.290	82	4150	0.655	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	65.50%		
46) 2-Fluorobiphenyl	6.055	172	9407	0.542	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	54.20%		
79) 2,4,6-Tribromophenol	7.407	330	2990	1.073	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	53.65%		
96) 4-Terphenyl-d14	9.619	244	15191	0.603	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	60.30%		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250621RVTb\
 Data File : 38805-01.D
 Acq On : 21 Jun 2025 08:11 pm
 Operator : SV112:smz
 Sample : L2538805-01,32,,gmr
 Misc : WG2081810,WG2081650,ical22084
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jun 24 09:08:33 2025
 Quant Method : I:\8270\SV112\250621RVTb\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Jun 21 13:15:10 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250621RVTb\ABN0621.D
 : 2 - I:\8270\SV112\250621RVTb\ADP0621.D
 : 3 - I:\8270\SV112\250621RVTb\AP90621.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	0.000		0	N.D.		
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.	d	
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
28) Benzaldehyde	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
38) 4-Chloroaniline	0.000		0	N.D.		
40) p-Chloro-m-cresol	0.000		0	N.D.		
43) Hexachlorocyclopentadiene	0.000		0	N.D.		
44) 2,4,6-Trichlorophenol	0.000		0	N.D.		
45) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Nitroaniline	0.000		0	N.D.		
51) Dimethyl phthalate	0.000		0	N.D.	d	
53) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
60) Caprolactam	0.000		0	N.D.		
61) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
62) Biphenyl	0.000		0	N.D.		
64) 3-Nitroaniline	0.000		0	N.D.		
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	0.000		0	N.D.		
68) 2,4-Dinitrotoluene	0.000		0	N.D.		
69) 4-Nitrophenol	0.000		0	N.D.		
72) Diethyl phthalate	0.000		0	N.D.		
74) 4-Chlorophenyl phenyl ...	0.000		0	N.D.		
75) 4-Nitroaniline	0.000		0	N.D.		
76) 4,6-Dinitro-o-cresol	0.000		0	N.D.		
77) NDPA/DPA	0.000		0	N.D.		
80) 4-Bromophenyl phenyl e...	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250621RVTb\
 Data File : 38805-01.D
 Acq On : 21 Jun 2025 08:11 pm
 Operator : SV112:smz
 Sample : L2538805-01,32,,gmr
 Misc : WG2081810,WG2081650,ical22084
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jun 24 09:08:33 2025
 Quant Method : I:\8270\SV112\250621RVTb\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Jun 21 13:15:10 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250621RVTb\ABN0621.D
 : 2 - I:\8270\SV112\250621RVTb\ADP0621.D
 : 3 - I:\8270\SV112\250621RVTb\AP90621.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
87) Atrazine	0.000		0		N.D.	
91) Carbazole	0.000		0		N.D.	
92) Di-n-butylphthalate	0.000		0		N.D.	
97) Butyl benzyl phthalate	0.000		0		N.D.	
106) 3,3'-Dichlorobenzidine	0.000		0		N.D.	
108) Bis(2-ethylhexyl)phtha...	0.000		0		N.D.	
109) Di-n-octylphthalate	0.000		0		N.D.	d

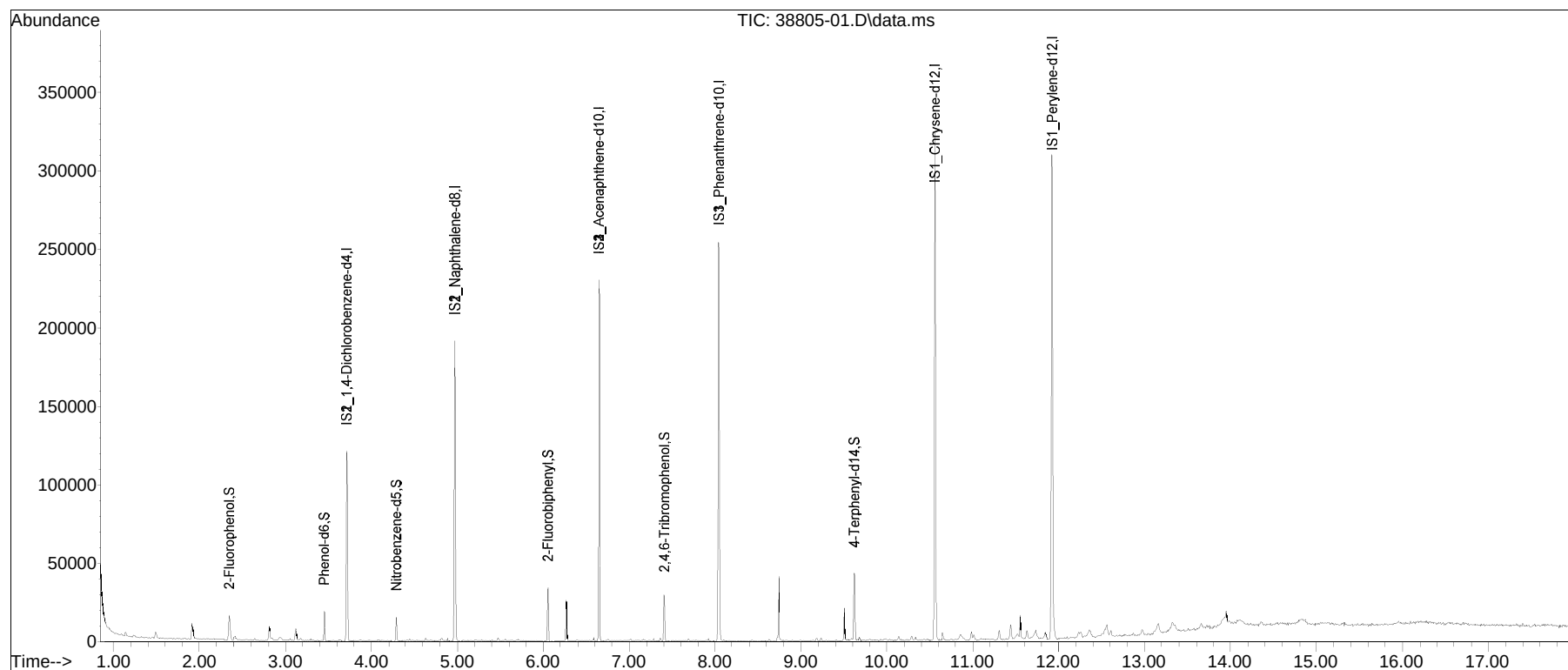
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250621RVTb\
 Data File : 38805-01.D
 Acq On : 21 Jun 2025 08:11 pm
 Operator : SV112:smz
 Sample : L2538805-01,32,,gmr
 Misc : WG2081810,WG2081650,ical22084
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jun 24 09:08:33 2025
 Quant Method : I:\8270\SV112\250621RVTb\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Jun 21 13:15:10 2025
 Response via : Initial Calibration

Sub List : 8270IC\8270b\SV112\250621RVTb\MAP90621.D•



Manual Integration Report

Data Path	: I:\8270\SV112\250621RVTb\	QMethod	: FS250313SV112RVT.m
Data File	: 38805-01.D	Operator	: SV112:smz
Date Inj'd	: 6/21/2025 8:11 pm	Instrument	: SV112
Sample	: L2538805-01,32,,gmr	Quant Date	: 6/22/2025 6:53 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250621RVTb\
 Data File : 38805-02.D
 Acq On : 21 Jun 2025 08:33 pm
 Operator : SV112:smz
 Sample : L2538805-02,32,,gmr
 Misc : WG2081810,WG2081650,ical22084
 ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jun 24 09:08:54 2025
 Quant Method : I:\8270\SV112\250621RVTb\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Jun 21 13:15:10 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250621RVTb\ABN0621.D
 : 2 - I:\8270\SV112\250621RVTb\ADP0621.D
 : 3 - I:\8270\SV112\250621RVTb\AP90621.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	3.719	152	19940	4.000	ug/ml	0.00
Standard Area 1 = 22450			Recovery =	88.82%		
27) IS2_1,4-Dichlorobenzen...	3.719	152	19940	4.000	ug/ml	0.00
Standard Area 3 = 22756			Recovery =	87.63%		
35) IS1_Naphthalene-d8	4.972	136	76541	4.000	ug/ml	0.00
Standard Area 1 = 86605			Recovery =	88.38%		
55) IS2_Naphthalene-d8	4.972	136	76541	4.000	ug/ml	0.00
Standard Area 3 = 88541			Recovery =	86.45%		
63) IS1_Acenaphthene-d10	6.648	164	47031	4.000	ug/ml	0.00
Standard Area 1 = 53004			Recovery =	88.73%		
83) IS2_Acenaphthene-d10	6.648	164	47031	4.000	ug/ml	0.00
Standard Area 3 = 53432			Recovery =	88.02%		
86) IS3_Acenaphthene-d10	6.648	164	47031	4.000	ug/ml	0.00
Standard Area 2 = 42482			Recovery =	110.71%		
88) IS1_Phenanthrene-d10	8.048	188	99566	4.000	ug/ml	0.00
Standard Area 1 = 110288			Recovery =	90.28%		
100) IS3_Phenanthrene-d10	8.048	188	99566	4.000	ug/ml	0.00
Standard Area 2 = 89880			Recovery =	110.78%		
104) IS1_Chrysene-d12	10.560	240	107810	4.000	ug/ml	0.00
Standard Area 1 = 115775			Recovery =	93.12%		
113) IS1_Perylene-d12	11.925	264	121732	4.000	ug/ml	0.00
Standard Area 1 = 127514			Recovery =	95.47%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.349	112	6511	1.206	ug/ml	0.01
Spiked Amount 2.000	Range 15 - 110		Recovery =	60.30%		
7) Phenol-d6	3.449	99	5940	0.882	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	44.10%		
19) Nitrobenzene-d5	4.290	82	4968	0.781	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	78.10%		
46) 2-Fluorobiphenyl	6.054	172	11287	0.644	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	64.40%		
79) 2,4,6-Tribromophenol	7.407	330	3598	1.268	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	63.40%		
96) 4-Terphenyl-d14	9.619	244	19338	0.743	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	74.30%		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250621RVTb\
 Data File : 38805-02.D
 Acq On : 21 Jun 2025 08:33 pm
 Operator : SV112:smz
 Sample : L2538805-02,32,,gmr
 Misc : WG2081810,WG2081650,ical22084
 ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jun 24 09:08:54 2025
 Quant Method : I:\8270\SV112\250621RVTb\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Jun 21 13:15:10 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250621RVTb\ABN0621.D
 : 2 - I:\8270\SV112\250621RVTb\ADP0621.D
 : 3 - I:\8270\SV112\250621RVTb\AP90621.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	0.000		0	N.D.		
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.	d	
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.	d	
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
28) Benzaldehyde	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
38) 4-Chloroaniline	0.000		0	N.D.		
40) p-Chloro-m-cresol	0.000		0	N.D.		
43) Hexachlorocyclopentadiene	0.000		0	N.D.		
44) 2,4,6-Trichlorophenol	0.000		0	N.D.		
45) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Nitroaniline	0.000		0	N.D.		
51) Dimethyl phthalate	0.000		0	N.D.	d	
53) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
60) Caprolactam	0.000		0	N.D.		
61) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
62) Biphenyl	0.000		0	N.D.		
64) 3-Nitroaniline	0.000		0	N.D.		
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	0.000		0	N.D.		
68) 2,4-Dinitrotoluene	0.000		0	N.D.		
69) 4-Nitrophenol	0.000		0	N.D.		
72) Diethyl phthalate	0.000		0	N.D.		
74) 4-Chlorophenyl phenyl ...	0.000		0	N.D.		
75) 4-Nitroaniline	0.000		0	N.D.		
76) 4,6-Dinitro-o-cresol	0.000		0	N.D.		
77) NDPA/DPA	0.000		0	N.D.		
80) 4-Bromophenyl phenyl e...	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250621RVTb\
 Data File : 38805-02.D
 Acq On : 21 Jun 2025 08:33 pm
 Operator : SV112:smz
 Sample : L2538805-02,32,,gmr
 Misc : WG2081810,WG2081650,ical22084
 ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jun 24 09:08:54 2025
 Quant Method : I:\8270\SV112\250621RVTb\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Jun 21 13:15:10 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250621RVTb\ABN0621.D
 : 2 - I:\8270\SV112\250621RVTb\ADP0621.D
 : 3 - I:\8270\SV112\250621RVTb\AP90621.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
87) Atrazine	0.000		0		N.D.	
91) Carbazole	0.000		0		N.D.	
92) Di-n-butylphthalate	0.000		0		N.D.	
97) Butyl benzyl phthalate	0.000		0		N.D.	
106) 3,3'-Dichlorobenzidine	0.000		0		N.D.	
108) Bis(2-ethylhexyl)phtha...	0.000		0		N.D.	
109) Di-n-octylphthalate	0.000		0		N.D. d	

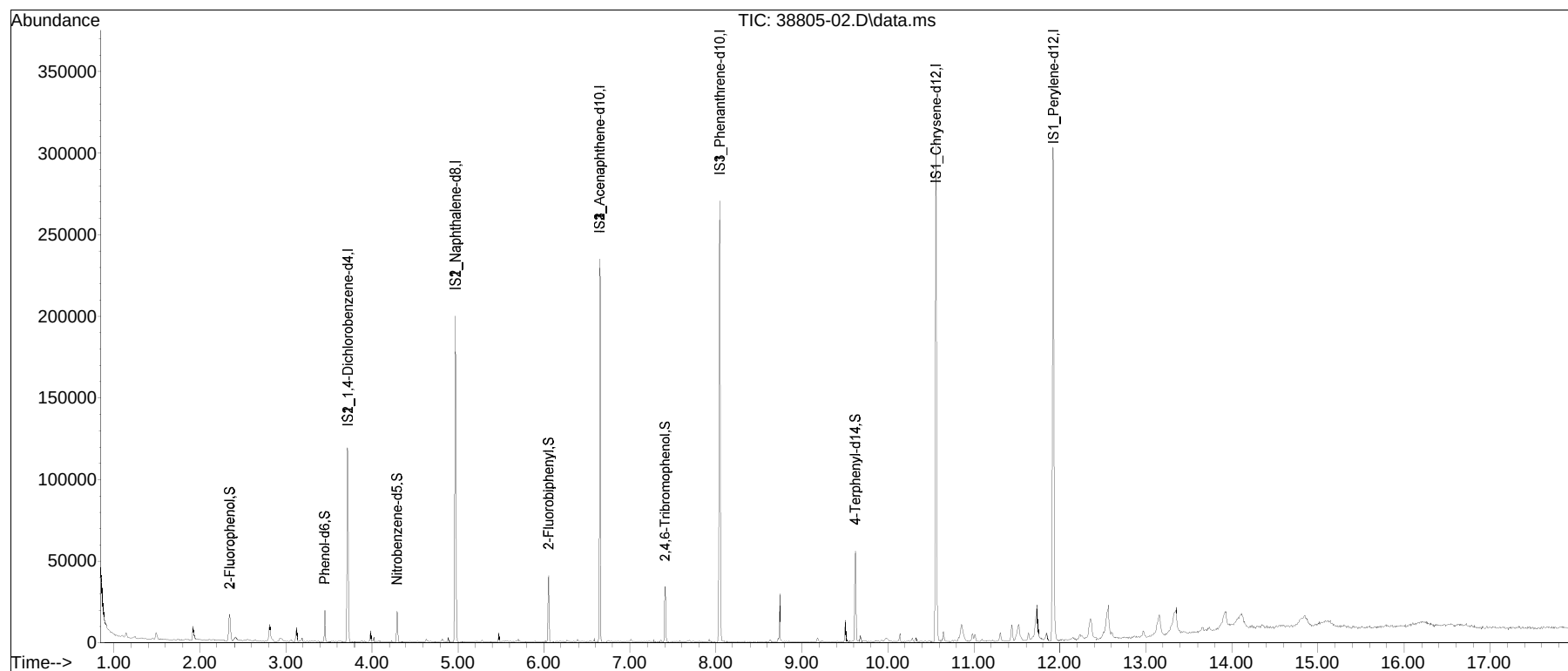
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250621RVTb\
 Data File : 38805-02.D
 Acq On : 21 Jun 2025 08:33 pm
 Operator : SV112:smz
 Sample : L2538805-02,32,,gmr
 Misc : WG2081810,WG2081650,ical22084
 ALS Vial : 22 Sample Multiplier: 1

Quant Time: Jun 24 09:08:54 2025
 Quant Method : I:\8270\SV112\250621RVTb\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Jun 21 13:15:10 2025
 Response via : Initial Calibration

Sub List : 8270IC\8270bSV112\250621RVTb\MAP90621.D•



Manual Integration Report

Data Path	: I:\8270\SV112\250621RVTb\	QMethod	: FS250313SV112RVT.m
Data File	: 38805-02.D	Operator	: SV112:smz
Date Inj'd	: 6/21/2025 8:33 pm	Instrument	: SV112
Sample	: L2538805-02,32,,gmr	Quant Date	: 6/22/2025 6:53 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250621RVTb\
 Data File : 38805-03.D
 Acq On : 21 Jun 2025 08:56 pm
 Operator : SV112:smz
 Sample : L2538805-03,32,,gmr
 Misc : WG2081810,WG2081650,ical22084
 ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 24 09:09:11 2025
 Quant Method : I:\8270\SV112\250621RVTb\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Jun 21 13:15:10 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250621RVTb\ABN0621.D
 : 2 - I:\8270\SV112\250621RVTb\ADP0621.D
 : 3 - I:\8270\SV112\250621RVTb\AP90621.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	3.719	152	20373	4.000	ug/ml	0.00
Standard Area 1 = 22450			Recovery =	90.75%		
27) IS2_1,4-Dichlorobenzen...	3.719	152	20373	4.000	ug/ml	0.00
Standard Area 3 = 22756			Recovery =	89.53%		
35) IS1_Naphthalene-d8	4.972	136	77750	4.000	ug/ml	0.00
Standard Area 1 = 86605			Recovery =	89.78%		
55) IS2_Naphthalene-d8	4.972	136	77750	4.000	ug/ml	0.00
Standard Area 3 = 88541			Recovery =	87.81%		
63) IS1_Acenaphthene-d10	6.649	164	48099	4.000	ug/ml	0.00
Standard Area 1 = 53004			Recovery =	90.75%		
83) IS2_Acenaphthene-d10	6.649	164	48099	4.000	ug/ml	0.00
Standard Area 3 = 53432			Recovery =	90.02%		
86) IS3_Acenaphthene-d10	6.649	164	48099	4.000	ug/ml	0.00
Standard Area 2 = 42482			Recovery =	113.22%		
88) IS1_Phenanthrene-d10	8.049	188	102450	4.000	ug/ml	0.00
Standard Area 1 = 110288			Recovery =	92.89%		
100) IS3_Phenanthrene-d10	8.049	188	102450	4.000	ug/ml	0.00
Standard Area 2 = 89880			Recovery =	113.99%		
104) IS1_Chrysene-d12	10.560	240	107680	4.000	ug/ml	0.00
Standard Area 1 = 115775			Recovery =	93.01%		
113) IS1_Perylene-d12	11.925	264	120019	4.000	ug/ml	0.00
Standard Area 1 = 127514			Recovery =	94.12%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.343	112	6140	1.114	ug/ml	0.00
Spiked Amount 2.000			Recovery =	55.70%		
7) Phenol-d6	3.455	99	5650	0.821	ug/ml	0.01
Spiked Amount 2.000			Recovery =	41.05%		
19) Nitrobenzene-d5	4.290	82	5115	0.788	ug/ml	0.00
Spiked Amount 1.000			Recovery =	78.80%		
46) 2-Fluorobiphenyl	6.055	172	12101	0.680	ug/ml	0.00
Spiked Amount 1.000			Recovery =	68.00%		
79) 2,4,6-Tribromophenol	7.407	330	4099	1.412	ug/ml	0.00
Spiked Amount 2.000			Recovery =	70.60%		
96) 4-Terphenyl-d14	9.619	244	19732	0.736	ug/ml	0.00
Spiked Amount 1.000			Recovery =	73.60%		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250621RVTb\
 Data File : 38805-03.D
 Acq On : 21 Jun 2025 08:56 pm
 Operator : SV112:smz
 Sample : L2538805-03,32,,gmr
 Misc : WG2081810,WG2081650,ical22084
 ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 24 09:09:11 2025
 Quant Method : I:\8270\SV112\250621RVTb\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Jun 21 13:15:10 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250621RVTb\ABN0621.D
 : 2 - I:\8270\SV112\250621RVTb\ADP0621.D
 : 3 - I:\8270\SV112\250621RVTb\AP90621.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	0.000		0	N.D.		
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.	d	
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
28) Benzaldehyde	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
38) 4-Chloroaniline	0.000		0	N.D.		
40) p-Chloro-m-cresol	0.000		0	N.D.		
43) Hexachlorocyclopentadiene	0.000		0	N.D.		
44) 2,4,6-Trichlorophenol	0.000		0	N.D.		
45) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Nitroaniline	0.000		0	N.D.		
51) Dimethyl phthalate	0.000		0	N.D.	d	
53) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
60) Caprolactam	0.000		0	N.D.		
61) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
62) Biphenyl	0.000		0	N.D.		
64) 3-Nitroaniline	0.000		0	N.D.		
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	0.000		0	N.D.		
68) 2,4-Dinitrotoluene	0.000		0	N.D.		
69) 4-Nitrophenol	0.000		0	N.D.		
72) Diethyl phthalate	0.000		0	N.D.		
74) 4-Chlorophenyl phenyl ...	0.000		0	N.D.		
75) 4-Nitroaniline	0.000		0	N.D.		
76) 4,6-Dinitro-o-cresol	0.000		0	N.D.		
77) NDPA/DPA	0.000		0	N.D.		
80) 4-Bromophenyl phenyl e...	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250621RVTb\
 Data File : 38805-03.D
 Acq On : 21 Jun 2025 08:56 pm
 Operator : SV112:smz
 Sample : L2538805-03,32,,gmr
 Misc : WG2081810,WG2081650,ical22084
 ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 24 09:09:11 2025
 Quant Method : I:\8270\SV112\250621RVTb\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Jun 21 13:15:10 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250621RVTb\ABN0621.D
 : 2 - I:\8270\SV112\250621RVTb\ADP0621.D
 : 3 - I:\8270\SV112\250621RVTb\AP90621.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
87)	Atrazine	0.000		0		N.D.	
91)	Carbazole	0.000		0		N.D.	
92)	Di-n-butylphthalate	0.000		0		N.D.	d
97)	Butyl benzyl phthalate	0.000		0		N.D.	
106)	3,3'-Dichlorobenzidine	0.000		0		N.D.	
108)	Bis(2-ethylhexyl)phtha...	0.000		0		N.D.	
109)	Di-n-octylphthalate	0.000		0		N.D.	d

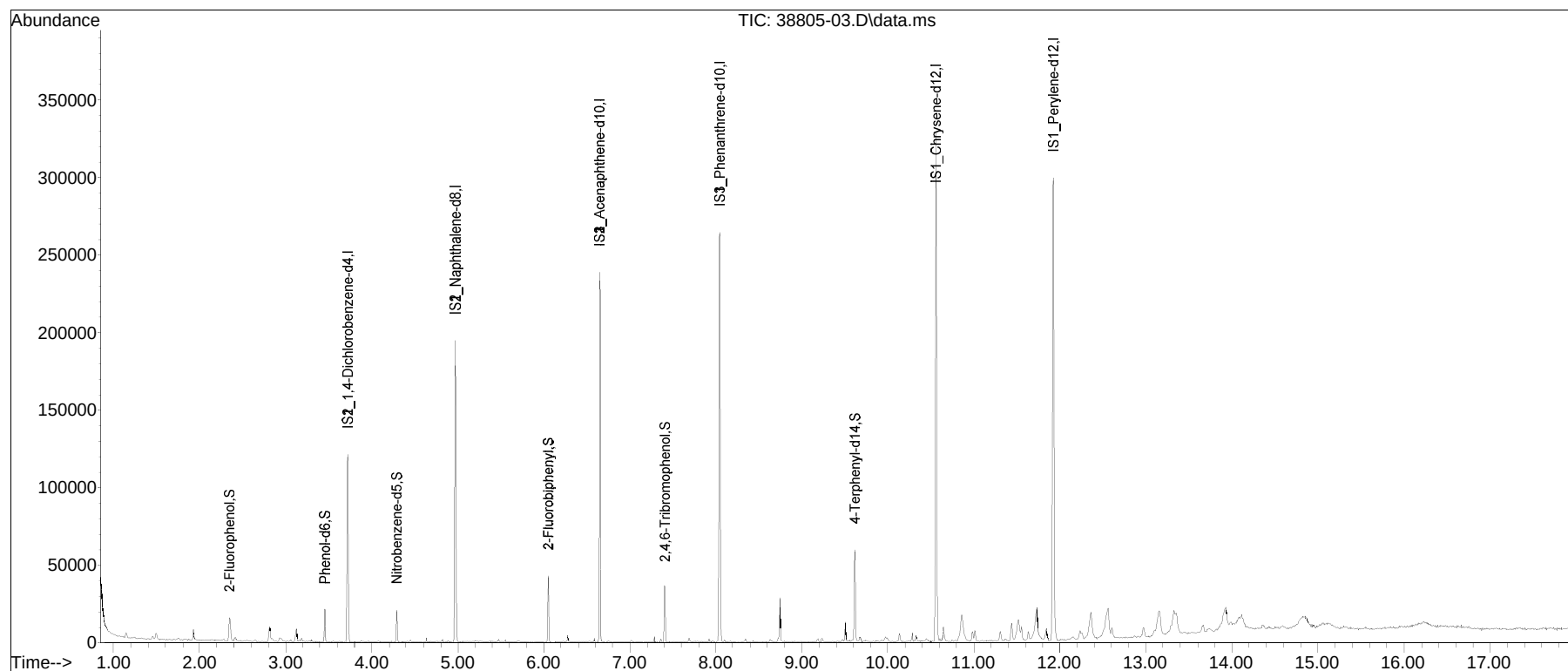
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250621RVTb\
 Data File : 38805-03.D
 Acq On : 21 Jun 2025 08:56 pm
 Operator : SV112:smz
 Sample : L2538805-03,32,,gmr
 Misc : WG2081810,WG2081650,ical22084
 ALS Vial : 23 Sample Multiplier: 1

Quant Time: Jun 24 09:09:11 2025
 Quant Method : I:\8270\SV112\250621RVTb\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Jun 21 13:15:10 2025
 Response via : Initial Calibration

Sub List : 8270IC\8270015\REV1\250621RVTb\MAP90621.D•



Manual Integration Report

Data Path	: I:\8270\SV112\250621RVTb\	QMethod	: FS250313SV112RVT.m
Data File	: 38805-03.D	Operator	: SV112:smz
Date Inj'd	: 6/21/2025 8:56 pm	Instrument	: SV112
Sample	: L2538805-03,32,,gmr	Quant Date	: 6/22/2025 6:54 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250621RVTb\
 Data File : 38805-04.D
 Acq On : 21 Jun 2025 09:19 pm
 Operator : SV112:smz
 Sample : L2538805-04,32,,gmr
 Misc : WG2081810,WG2081650,ical22084
 ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jun 24 09:09:27 2025
 Quant Method : I:\8270\SV112\250621RVTb\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Jun 21 13:15:10 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250621RVTb\ABN0621.D
 : 2 - I:\8270\SV112\250621RVTb\ADP0621.D
 : 3 - I:\8270\SV112\250621RVTb\AP90621.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	3.713	152	19141	4.000	ug/ml	0.00
Standard Area 1 = 22450			Recovery =	85.26%		
27) IS2_1,4-Dichlorobenzen...	3.713	152	19141	4.000	ug/ml	0.00
Standard Area 3 = 22756			Recovery =	84.11%		
35) IS1_Naphthalene-d8	4.972	136	75706	4.000	ug/ml	0.00
Standard Area 1 = 86605			Recovery =	87.42%		
55) IS2_Naphthalene-d8	4.972	136	75706	4.000	ug/ml	0.00
Standard Area 3 = 88541			Recovery =	85.50%		
63) IS1_Acenaphthene-d10	6.649	164	46909	4.000	ug/ml	0.00
Standard Area 1 = 53004			Recovery =	88.50%		
83) IS2_Acenaphthene-d10	6.649	164	46909	4.000	ug/ml	0.00
Standard Area 3 = 53432			Recovery =	87.79%		
86) IS3_Acenaphthene-d10	6.649	164	46909	4.000	ug/ml	0.00
Standard Area 2 = 42482			Recovery =	110.42%		
88) IS1_Phenanthrene-d10	8.043	188	99580	4.000	ug/ml	0.00
Standard Area 1 = 110288			Recovery =	90.29%		
100) IS3_Phenanthrene-d10	8.043	188	99580	4.000	ug/ml	0.00
Standard Area 2 = 89880			Recovery =	110.79%		
104) IS1_Chrysene-d12	10.560	240	109550	4.000	ug/ml	0.00
Standard Area 1 = 115775			Recovery =	94.62%		
113) IS1_Perylene-d12	11.925	264	122913	4.000	ug/ml	0.00
Standard Area 1 = 127514			Recovery =	96.39%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.343	112	5751	1.110	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	55.50%		
7) Phenol-d6	3.449	99	5571	0.862	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	43.10%		
19) Nitrobenzene-d5	4.290	82	4560	0.747	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	74.70%		
46) 2-Fluorobiphenyl	6.055	172	10749	0.620	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	62.00%		
79) 2,4,6-Tribromophenol	7.407	330	3311	1.170	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	58.50%		
96) 4-Terphenyl-d14	9.619	244	19232	0.738	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	73.80%		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250621RVTb\
 Data File : 38805-04.D
 Acq On : 21 Jun 2025 09:19 pm
 Operator : SV112:smz
 Sample : L2538805-04,32,,gmr
 Misc : WG2081810,WG2081650,ical22084
 ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jun 24 09:09:27 2025
 Quant Method : I:\8270\SV112\250621RVTb\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Jun 21 13:15:10 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250621RVTb\ABN0621.D
 : 2 - I:\8270\SV112\250621RVTb\ADP0621.D
 : 3 - I:\8270\SV112\250621RVTb\AP90621.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	0.000		0	N.D.		
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.	d	
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
28) Benzaldehyde	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
38) 4-Chloroaniline	0.000		0	N.D.		
40) p-Chloro-m-cresol	0.000		0	N.D.		
43) Hexachlorocyclopentadiene	0.000		0	N.D.		
44) 2,4,6-Trichlorophenol	0.000		0	N.D.		
45) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Nitroaniline	0.000		0	N.D.		
51) Dimethyl phthalate	0.000		0	N.D.	d	
53) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
60) Caprolactam	0.000		0	N.D.		
61) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
62) Biphenyl	0.000		0	N.D.		
64) 3-Nitroaniline	0.000		0	N.D.		
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	0.000		0	N.D.		
68) 2,4-Dinitrotoluene	0.000		0	N.D.		
69) 4-Nitrophenol	0.000		0	N.D.		
72) Diethyl phthalate	0.000		0	N.D.		
74) 4-Chlorophenyl phenyl ...	0.000		0	N.D.		
75) 4-Nitroaniline	0.000		0	N.D.		
76) 4,6-Dinitro-o-cresol	0.000		0	N.D.		
77) NDPA/DPA	0.000		0	N.D.		
80) 4-Bromophenyl phenyl e...	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250621RVTb\
 Data File : 38805-04.D
 Acq On : 21 Jun 2025 09:19 pm
 Operator : SV112:smz
 Sample : L2538805-04,32,,gmr
 Misc : WG2081810,WG2081650,ical22084
 ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jun 24 09:09:27 2025
 Quant Method : I:\8270\SV112\250621RVTb\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Jun 21 13:15:10 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250621RVTb\ABN0621.D
 : 2 - I:\8270\SV112\250621RVTb\ADP0621.D
 : 3 - I:\8270\SV112\250621RVTb\AP90621.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
87) Atrazine	0.000		0		N.D.	
91) Carbazole	0.000		0		N.D.	
92) Di-n-butylphthalate	0.000		0		N.D.	
97) Butyl benzyl phthalate	0.000		0		N.D.	
106) 3,3'-Dichlorobenzidine	0.000		0		N.D.	
108) Bis(2-ethylhexyl)phtha...	0.000		0		N.D. d	
109) Di-n-octylphthalate	0.000		0		N.D. d	

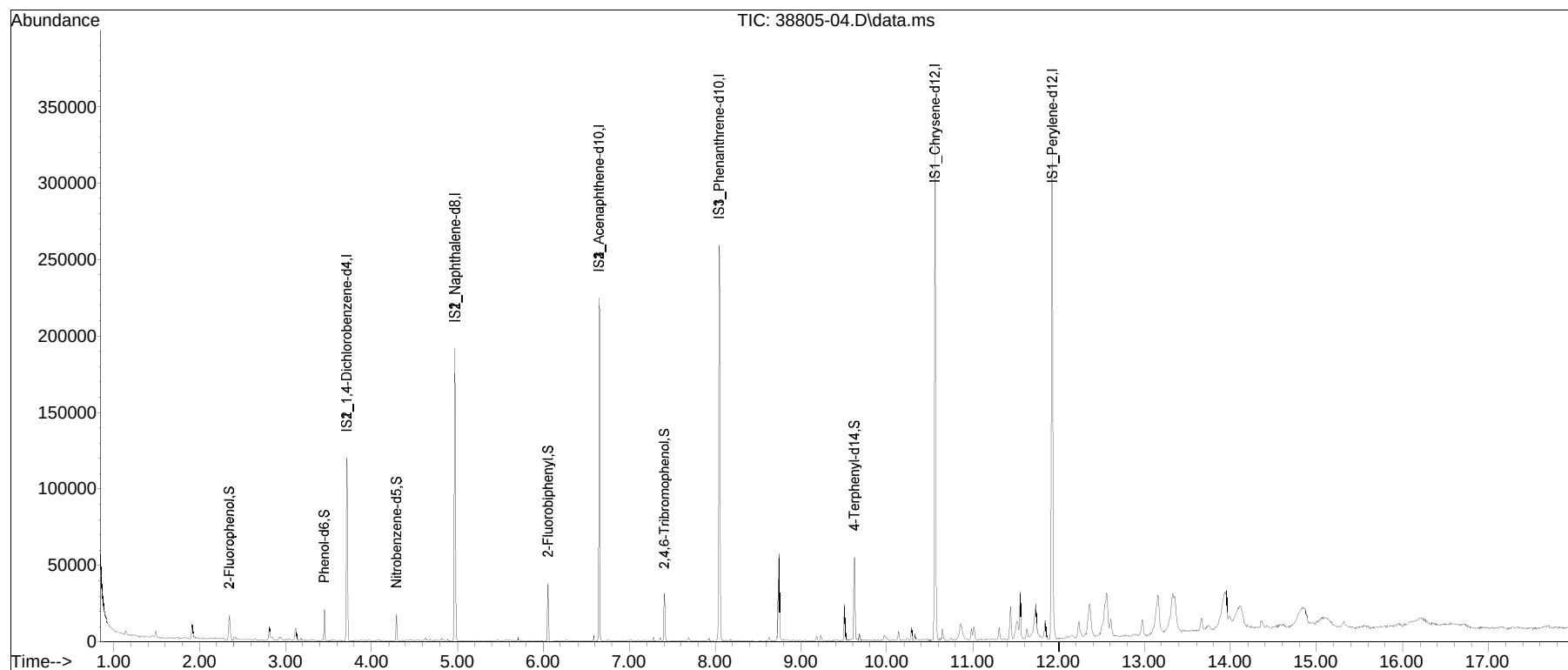
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250621RVTb\
 Data File : 38805-04.D
 Acq On : 21 Jun 2025 09:19 pm
 Operator : SV112:smz
 Sample : L2538805-04,32,,gmr
 Misc : WG2081810,WG2081650,ical22084
 ALS Vial : 24 Sample Multiplier: 1

Quant Time: Jun 24 09:09:27 2025
 Quant Method : I:\8270\SV112\250621RVTb\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Jun 21 13:15:10 2025
 Response via : Initial Calibration

Sub List : 8270IC\827001\SV112\250621RVTb\MAP90621.D•



Manual Integration Report

Data Path	: I:\8270\SV112\250621RVTb\	QMethod	: FS250313SV112RVT.m
Data File	: 38805-04.D	Operator	: SV112:smz
Date Inj'd	: 6/21/2025 9:19 pm	Instrument	: SV112
Sample	: L2538805-04,32,,gmr	Quant Date	: 6/22/2025 6:54 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250621RVTb\
 Data File : 38805-05.D
 Acq On : 21 Jun 2025 09:41 pm
 Operator : SV112:smz
 Sample : L2538805-05,32,,gmr
 Misc : WG2081810,WG2081650,ical22084
 ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jun 24 09:09:43 2025
 Quant Method : I:\8270\SV112\250621RVTb\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Jun 21 13:15:10 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250621RVTb\ABN0621.D
 : 2 - I:\8270\SV112\250621RVTb\ADP0621.D
 : 3 - I:\8270\SV112\250621RVTb\AP90621.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) IS1_1,4-Dichlorobenzen...	3.713	152	21722	4.000	ug/ml	0.00
Standard Area 1 = 22450			Recovery =	96.76%		
27) IS2_1,4-Dichlorobenzen...	3.713	152	21722	4.000	ug/ml	0.00
Standard Area 3 = 22756			Recovery =	95.46%		
35) IS1_Naphthalene-d8	4.972	136	83611	4.000	ug/ml	0.00
Standard Area 1 = 86605			Recovery =	96.54%		
55) IS2_Naphthalene-d8	4.972	136	83611	4.000	ug/ml	0.00
Standard Area 3 = 88541			Recovery =	94.43%		
63) IS1_Acenaphthene-d10	6.649	164	51097	4.000	ug/ml	0.00
Standard Area 1 = 53004			Recovery =	96.40%		
83) IS2_Acenaphthene-d10	6.649	164	51097	4.000	ug/ml	0.00
Standard Area 3 = 53432			Recovery =	95.63%		
86) IS3_Acenaphthene-d10	6.649	164	51097	4.000	ug/ml	0.00
Standard Area 2 = 42482			Recovery =	120.28%		
88) IS1_Phenanthrene-d10	8.049	188	113115	4.000	ug/ml	0.00
Standard Area 1 = 110288			Recovery =	102.56%		
100) IS3_Phenanthrene-d10	8.049	188	113115	4.000	ug/ml	0.00
Standard Area 2 = 89880			Recovery =	125.85%		
104) IS1_Chrysene-d12	10.560	240	124022	4.000	ug/ml	0.00
Standard Area 1 = 115775			Recovery =	107.12%		
113) IS1_Perylene-d12	11.925	264	139838	4.000	ug/ml	0.00
Standard Area 1 = 127514			Recovery =	109.66%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.343	112	6158	1.047	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	52.35%		
7) Phenol-d6	3.449	99	5666	0.773	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	38.65%		
19) Nitrobenzene-d5	4.290	82	5029	0.726	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	72.60%		
46) 2-Fluorobiphenyl	6.055	172	12047	0.629	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	62.90%		
79) 2,4,6-Tribromophenol	7.407	330	3688	1.196	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	59.80%		
96) 4-Terphenyl-d14	9.619	244	21218	0.717	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	71.70%		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250621RVTb\
 Data File : 38805-05.D
 Acq On : 21 Jun 2025 09:41 pm
 Operator : SV112:smz
 Sample : L2538805-05,32,,gmr
 Misc : WG2081810,WG2081650,ical22084
 ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jun 24 09:09:43 2025
 Quant Method : I:\8270\SV112\250621RVTb\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Jun 21 13:15:10 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250621RVTb\ABN0621.D
 : 2 - I:\8270\SV112\250621RVTb\ADP0621.D
 : 3 - I:\8270\SV112\250621RVTb\AP90621.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	0.000		0	N.D.		
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.	d	
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
28) Benzaldehyde	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
38) 4-Chloroaniline	0.000		0	N.D.		
40) p-Chloro-m-cresol	0.000		0	N.D.		
43) Hexachlorocyclopentadiene	0.000		0	N.D.		
44) 2,4,6-Trichlorophenol	0.000		0	N.D.		
45) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Nitroaniline	0.000		0	N.D.		
51) Dimethyl phthalate	0.000		0	N.D.	d	
53) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
60) Caprolactam	0.000		0	N.D.		
61) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
62) Biphenyl	0.000		0	N.D.		
64) 3-Nitroaniline	0.000		0	N.D.		
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	0.000		0	N.D.		
68) 2,4-Dinitrotoluene	0.000		0	N.D.		
69) 4-Nitrophenol	0.000		0	N.D.		
72) Diethyl phthalate	0.000		0	N.D.		
74) 4-Chlorophenyl phenyl ...	0.000		0	N.D.		
75) 4-Nitroaniline	0.000		0	N.D.		
76) 4,6-Dinitro-o-cresol	0.000		0	N.D.		
77) NDPA/DPA	0.000		0	N.D.		
80) 4-Bromophenyl phenyl e...	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250621RVTb\
 Data File : 38805-05.D
 Acq On : 21 Jun 2025 09:41 pm
 Operator : SV112:smz
 Sample : L2538805-05,32,,gmr
 Misc : WG2081810,WG2081650,ical22084
 ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jun 24 09:09:43 2025
 Quant Method : I:\8270\SV112\250621RVTb\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Jun 21 13:15:10 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250621RVTb\ABN0621.D
 : 2 - I:\8270\SV112\250621RVTb\ADP0621.D
 : 3 - I:\8270\SV112\250621RVTb\AP90621.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
87)	Atrazine	0.000		0		N.D.	
91)	Carbazole	0.000		0		N.D.	
92)	Di-n-butylphthalate	0.000		0		N.D.	
97)	Butyl benzyl phthalate	0.000		0		N.D.	
106)	3,3'-Dichlorobenzidine	0.000		0		N.D.	
108)	Bis(2-ethylhexyl)phtha...	0.000		0		N.D.	
109)	Di-n-octylphthalate	0.000		0		N.D.	d

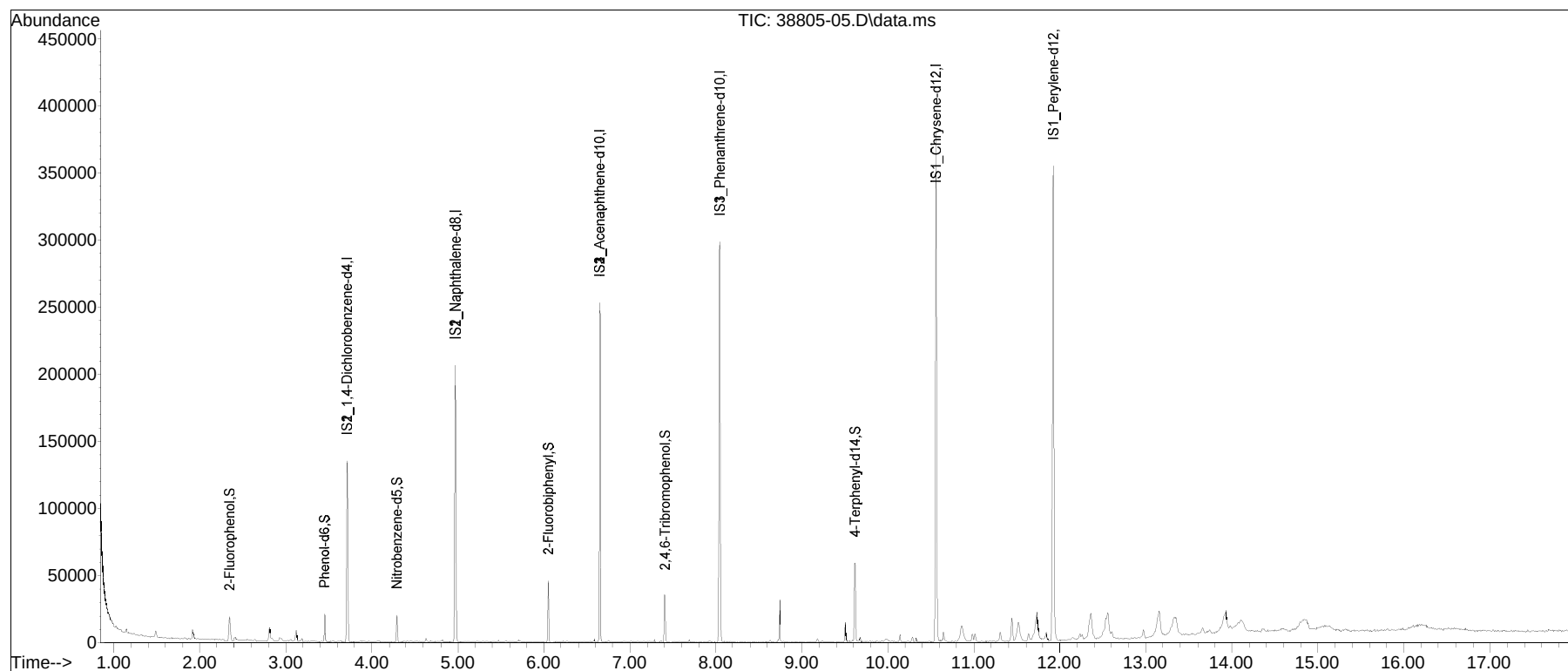
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250621RVTb\
 Data File : 38805-05.D
 Acq On : 21 Jun 2025 09:41 pm
 Operator : SV112:smz
 Sample : L2538805-05,32,,gmr
 Misc : WG2081810,WG2081650,ical22084
 ALS Vial : 25 Sample Multiplier: 1

Quant Time: Jun 24 09:09:43 2025
 Quant Method : I:\8270\SV112\250621RVTb\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Jun 21 13:15:10 2025
 Response via : Initial Calibration

Sub List : 8270IC\8270b\SV112\250621RVTb\MAP90621.D•



Manual Integration Report

Data Path	: I:\8270\SV112\250621RVTb\	QMethod	: FS250313SV112RVT.m
Data File	: 38805-05.D	Operator	: SV112:smz
Date Inj'd	: 6/21/2025 9:41 pm	Instrument	: SV112
Sample	: L2538805-05,32,,gmr	Quant Date	: 6/22/2025 6:54 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250621RVTb\
 Data File : 38805-06.D
 Acq On : 21 Jun 2025 10:04 pm
 Operator : SV112:smz
 Sample : L2538805-06,32,,gmr
 Misc : WG2081810,WG2081650,ical22084
 ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jun 24 09:10:01 2025
 Quant Method : I:\8270\SV112\250621RVTb\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Jun 21 13:15:10 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250621RVTb\ABN0621.D
 : 2 - I:\8270\SV112\250621RVTb\ADP0621.D
 : 3 - I:\8270\SV112\250621RVTb\AP90621.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	3.719	152	21240	4.000	ug/ml	0.00
Standard Area 1 = 22450			Recovery =	94.61%		
27) IS2_1,4-Dichlorobenzen...	3.719	152	21240	4.000	ug/ml	0.00
Standard Area 3 = 22756			Recovery =	93.34%		
35) IS1_Naphthalene-d8	4.972	136	80897	4.000	ug/ml	0.00
Standard Area 1 = 86605			Recovery =	93.41%		
55) IS2_Naphthalene-d8	4.972	136	80897	4.000	ug/ml	0.00
Standard Area 3 = 88541			Recovery =	91.37%		
63) IS1_Acenaphthene-d10	6.649	164	49379	4.000	ug/ml	0.00
Standard Area 1 = 53004			Recovery =	93.16%		
83) IS2_Acenaphthene-d10	6.649	164	49379	4.000	ug/ml	0.00
Standard Area 3 = 53432			Recovery =	92.41%		
86) IS3_Acenaphthene-d10	6.649	164	49379	4.000	ug/ml	0.00
Standard Area 2 = 42482			Recovery =	116.24%		
88) IS1_Phenanthrene-d10	8.049	188	106732	4.000	ug/ml	0.00
Standard Area 1 = 110288			Recovery =	96.78%		
100) IS3_Phenanthrene-d10	8.049	188	106732	4.000	ug/ml	0.00
Standard Area 2 = 89880			Recovery =	118.75%		
104) IS1_Chrysene-d12	10.560	240	111960	4.000	ug/ml	0.00
Standard Area 1 = 115775			Recovery =	96.70%		
113) IS1_Perylene-d12	11.919	264	124409	4.000	ug/ml	0.00
Standard Area 1 = 127514			Recovery =	97.56%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.349	112	5340	0.929	ug/ml	0.01
Spiked Amount 2.000	Range 15 - 110		Recovery =	46.45%		
7) Phenol-d6	3.455	99	4760	0.664	ug/ml	0.01
Spiked Amount 2.000	Range 15 - 110		Recovery =	33.20%		
19) Nitrobenzene-d5	4.290	82	4734	0.699	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	69.90%		
46) 2-Fluorobiphenyl	6.055	172	11343	0.612	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	61.20%		
79) 2,4,6-Tribromophenol	7.407	330	3748	1.258	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	62.90%		
96) 4-Terphenyl-d14	9.619	244	21423	0.768	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	76.80%		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250621RVTb\
 Data File : 38805-06.D
 Acq On : 21 Jun 2025 10:04 pm
 Operator : SV112:smz
 Sample : L2538805-06,32,,gmr
 Misc : WG2081810,WG2081650,ical22084
 ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jun 24 09:10:01 2025
 Quant Method : I:\8270\SV112\250621RVTb\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Jun 21 13:15:10 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250621RVTb\ABN0621.D
 : 2 - I:\8270\SV112\250621RVTb\ADP0621.D
 : 3 - I:\8270\SV112\250621RVTb\AP90621.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0	N.D.		
8) Phenol	0.000		0	N.D.		
14) Bis(2-chloroisopropyl)...	0.000		0	N.D.		
15) 2-Methylphenol	0.000		0	N.D.		
17) n-Nitrosodi-n-propylamine	0.000		0	N.D.	d	
18) 3-Methylphenol/4-Methy...	0.000		0	N.D.		
20) Nitrobenzene	0.000		0	N.D.		
21) Isophorone	0.000		0	N.D.		
22) 2-Nitrophenol	0.000		0	N.D.		
23) 2,4-Dimethylphenol	0.000		0	N.D.		
24) Bis(2-chloroethoxy)met...	0.000		0	N.D.		
25) 2,4-Dichlorophenol	0.000		0	N.D.		
28) Benzaldehyde	0.000		0	N.D.		
29) Acetophenone	0.000		0	N.D.		
38) 4-Chloroaniline	0.000		0	N.D.		
40) p-Chloro-m-cresol	0.000		0	N.D.		
43) Hexachlorocyclopentadiene	0.000		0	N.D.		
44) 2,4,6-Trichlorophenol	0.000		0	N.D.		
45) 2,4,5-Trichlorophenol	0.000		0	N.D.		
48) 2-Nitroaniline	0.000		0	N.D.		
51) Dimethyl phthalate	0.000		0	N.D.	d	
53) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
60) Caprolactam	0.000		0	N.D.		
61) 1,2,4,5-Tetrachloroben...	0.000		0	N.D.		
62) Biphenyl	0.000		0	N.D.		
64) 3-Nitroaniline	0.000		0	N.D.		
66) 2,4-Dinitrophenol	0.000		0	N.D.		
67) Dibenzofuran	0.000		0	N.D.		
68) 2,4-Dinitrotoluene	0.000		0	N.D.		
69) 4-Nitrophenol	0.000		0	N.D.		
72) Diethyl phthalate	0.000		0	N.D.		
74) 4-Chlorophenyl phenyl ...	0.000		0	N.D.		
75) 4-Nitroaniline	0.000		0	N.D.		
76) 4,6-Dinitro-o-cresol	0.000		0	N.D.		
77) NDPA/DPA	0.000		0	N.D.		
80) 4-Bromophenyl phenyl e...	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250621RVTb\
 Data File : 38805-06.D
 Acq On : 21 Jun 2025 10:04 pm
 Operator : SV112:smz
 Sample : L2538805-06,32,,gmr
 Misc : WG2081810,WG2081650,ical22084
 ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jun 24 09:10:01 2025
 Quant Method : I:\8270\SV112\250621RVTb\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Jun 21 13:15:10 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250621RVTb\ABN0621.D
 : 2 - I:\8270\SV112\250621RVTb\ADP0621.D
 : 3 - I:\8270\SV112\250621RVTb\AP90621.D
 Sub List : 8270TCL_combo_REV1 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
87) Atrazine	0.000		0		N.D.	
91) Carbazole	0.000		0		N.D.	
92) Di-n-butylphthalate	0.000		0		N.D. d	
97) Butyl benzyl phthalate	0.000		0		N.D.	
106) 3,3'-Dichlorobenzidine	0.000		0		N.D.	
108) Bis(2-ethylhexyl)phtha...	0.000		0		N.D. d	
109) Di-n-octylphthalate	0.000		0		N.D. d	

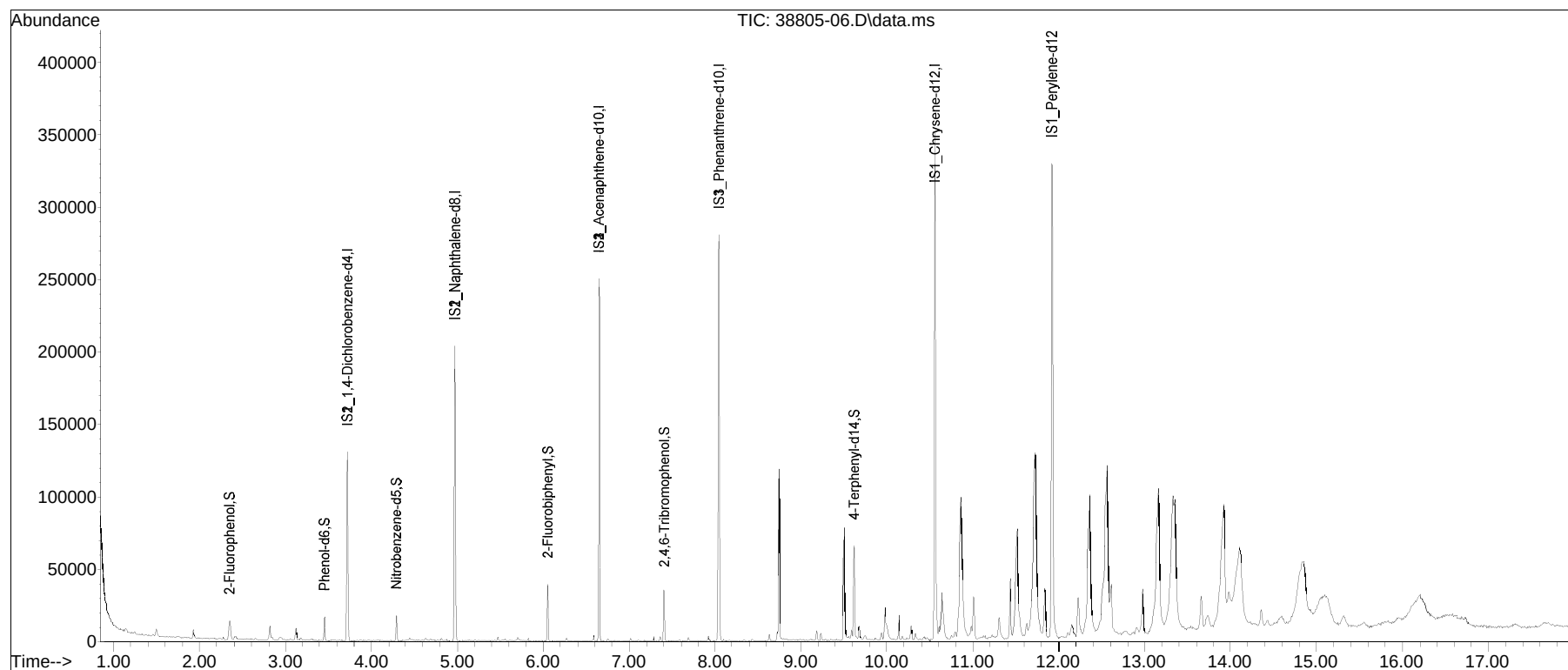
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250621RVTb\
 Data File : 38805-06.D
 Acq On : 21 Jun 2025 10:04 pm
 Operator : SV112:smz
 Sample : L2538805-06,32,,gmr
 Misc : WG2081810,WG2081650,ical22084
 ALS Vial : 26 Sample Multiplier: 1

Quant Time: Jun 24 09:10:01 2025
 Quant Method : I:\8270\SV112\250621RVTb\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Jun 21 13:15:10 2025
 Response via : Initial Calibration

Sub List : 8270IC\8270b\SV112\250621RVTb\MAP90621.D•



Manual Integration Report

Data Path	: I:\8270\SV112\250621RVTb\	QMethod	: FS250313SV112RVT.m
Data File	: 38805-06.D	Operator	: SV112:smz
Date Inj'd	: 6/21/2025 10:04 pm	Instrument	: SV112
Sample	: L2538805-06,32,,gmr	Quant Date	: 6/22/2025 6:54 am

There are no manual integrations or false positives in this file.

Semivolatiles Standards Data

Initial Calibration

Initial Calibration Summary

Form 6

Semivolatiles

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM GROUNDWATER EVENT
Instrument ID : SV112
Calibration dates : 03/13/25 13:47 03/14/25 00:48
Lab Number : L2538805
Project Number : 2232.0006Y005
Ical Ref : ICAL22084

Calibration Files

L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ADPL5.D L6 =ADPL6.D L7 =ADPL7.D
 L8 =ADPL8.D L9 =ADPL9.D

Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
1) I IS1_1,4-Dichlorobenzene-d4	-----ISTD-----										
2) T N-Nitrosodimethylamine	0.535	0.614	0.762	0.713	0.686	0.712	0.727	0.770	0.740	0.695	10.93
3) T Pyridine	1.038	1.037	1.310	1.193	1.222	1.208	1.276	1.365	1.287	1.215	9.39
4) S 2-Fluorophenol	0.976	1.077	1.135	1.126	0.986	1.083	1.091	1.158	1.111	1.083	5.85
5) T Aniline	1.376	1.481	1.845	1.889	1.630	1.871	1.879	2.011	1.951	1.770	12.48
6) T 2-Chlorophenol	1.525	1.102	1.271	1.284	1.087	1.218	1.215	1.282	1.243	1.247	10.19
7) S Phenol-d6	1.430	1.179	1.339	1.333	1.189	1.343	1.367	1.499	1.476	1.350	8.29
8) T Phenol	1.619	1.408	1.621	1.678	1.414	1.585	1.602	1.721	1.679	1.592	6.99
9) T bis(2-Chloroethyl)ether	1.187	1.178	1.245	1.142	1.048	1.157	1.121	1.168	1.125	1.152	4.70
10) T 1,3-Dichlorobenzene	1.525	1.504	1.644	1.539	1.344	1.413	1.421	1.454	1.410	1.473	6.10
11) T 1,4-Dichlorobenzene	1.746	1.584	1.654	1.558	1.339	1.471	1.447	1.487	1.438	1.525	8.11
12) T 1,2-Dichlorobenzene	1.637	1.570	1.566	1.543	1.306	1.386	1.366	1.412	1.378	1.463	7.95
13) T Benzyl alcohol	0.974	0.960	0.911	0.919	0.865	0.956	0.974	1.101	1.090	0.972	8.04
14) T bis(2-chloroisopropyl)ether	1.816	1.818	1.745	1.698	1.450	1.613	1.621	1.706	1.595	1.674	7.02
15) T 2-Methylphenol	1.084	1.018	1.015	1.044	0.921	1.059	1.059	1.162	1.135	1.055	6.68
16) T Hexachloroethane	0.689	0.479	0.577	0.581	0.500	0.536	0.544	0.577	0.565	0.561	10.69
17) T n-Nitrosodi-n-propylamine	1.000	0.846	0.891	0.874	0.776	0.894	0.891	0.992	0.976	0.904	8.12
18) T 3-Methylphenol/4-Methylphenol	1.386	0.973	1.242	1.141	1.017	1.124	1.147	1.247	1.244	1.169	10.86
19) S Nitrobenzene-d5	1.244	1.198	1.282	1.258	1.131	1.279	1.297	1.410	1.379	1.275	6.66
20) T Nitrobenzene	1.295	1.159	1.366	1.305	1.176	1.292	1.315	1.421	1.387	1.302	6.77
21) T Isophorone	2.484	2.134	2.414	2.339	2.165	2.406	2.456	2.686	2.560	2.405	7.31
22) T 2-Nitrophenol	0.571	0.409	0.590	0.549	0.547	0.608	0.638	0.718	0.710	0.593	15.76
23) T 2,4-Dimethylphenol	1.318	1.067	1.189	1.188	1.116	1.237	1.278	1.379	1.364	1.237	8.70
24) T bis(2-Chloroethoxy)methane	1.994	1.514	1.623	1.576	1.424	1.532	1.574	1.693	1.614	1.616	9.94
25) T 2,4-Dichlorophenol	0.989	1.004	1.120	1.119	1.041	1.148	1.190	1.313	1.289	1.135	10.18
26) T 1,2,4-Trichlorobenzene	1.571	1.440	1.528	1.464	1.308	1.362	1.369	1.480	1.433	1.440	5.80
27) I IS2_1,4-Dichlorobenzene-d4	-----ISTD-----										
28) T Benzaldehyde	0.702	0.840	1.112	0.972	0.900	0.965	0.964	1.111	1.017	0.954	13.55
29) T Acetophenone	1.850	1.531	1.906	1.714	1.495	1.668	1.676	1.958	1.784	1.731	9.18
30) T m-Toluidine			1.279	1.380	1.398	1.594	1.634	1.913	1.737	1.562	14.33
31) T 2-Chloroaniline	1.451	1.287	1.642	1.525	1.371	1.509	1.476	1.745	1.579	1.509	9.11
32) I IS3_1,4-Dichlorobenzene-d4	-----ISTD-----										
33) T 1,4-Dioxane		0.440	0.538	0.514	0.451	0.433	0.453	0.544	0.478	0.481	9.28
34) T n-Decane	1.334	1.269	1.474	1.367	1.150	1.224	1.260	1.538	1.339	1.328	9.13
35) I IS1_Naphthalene-d8	-----ISTD-----										
36) T Naphthalene	1.207	1.055	1.151	1.054	0.928	0.988	0.988	0.967	0.889	1.025	10.04



Initial Calibration Summary

Form 6

Semivolatiles

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM GROUNDWATER EVENT
Instrument ID : SV112
Calibration dates : 03/13/25 13:47 03/14/25 00:48
Lab Number : L2538805
Project Number : 2232.0006Y005
Ical Ref : ICAL22084

Calibration Files

L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ADPL5.D L6 =ADPL6.D L7 =ADPL7.D
 L8 =ADPL8.D L9 =ADPL9.D

Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
37) T Benzoic Acid			0.068	0.110	0.139	0.192	0.214	0.265	0.268	*L	0.9928
38) T 4-Chloroaniline	0.118	0.109	0.138	0.134	0.120	0.131	0.128	0.138	0.135	0.128	8.03
39) T Hexachlorobutadiene	0.328	0.256	0.291	0.258	0.233	0.249	0.244	0.249	0.244	0.261	11.39
40) T p-Chloro-m-cresol	0.269	0.262	0.302	0.267	0.258	0.287	0.301	0.322	0.314	0.287	8.37
41) T 2-Methylnaphthalene	0.754	0.642	0.688	0.622	0.563	0.615	0.614	0.643	0.605	0.638	8.61
42) T 1-Methylnaphthalene	0.277	0.238	0.269	0.229	0.214	0.237	0.238	0.249	0.243	0.244	7.94
43) T Hexachlorocyclopentadiene	0.345	0.296	0.330	0.302	0.277	0.311	0.313	0.334	0.325	0.315	6.78
44) T 2,4,6-Trichlorophenol	0.315	0.247	0.280	0.235	0.228	0.265	0.267	0.300	0.292	0.270	10.96
45) T 2,4,5-Trichlorophenol	0.258	0.220	0.267	0.272	0.250	0.282	0.300	0.304	0.301	0.273	10.23
46) S 2-Fluorobiphenyl	1.060	0.979	1.022	0.911	0.822	0.881	0.881	0.877	0.812	0.916	9.43
47) T 2-Chloronaphthalene	0.875	0.698	0.825	0.750	0.681	0.730	0.721	0.745	0.705	0.748	8.45
48) T 2-Nitroaniline	0.158	0.156	0.193	0.192	0.188	0.208	0.227	0.250	0.244	0.202	16.80
49) T 1,4-Dinitrobenzene	0.132	0.093	0.109	0.090	0.087	0.109	0.114	0.129	0.130	0.110	15.94
50) T 1,3-Dinitrobenzene	0.137	0.088	0.113	0.104	0.103	0.125	0.134	0.152	0.150	0.123	18.10
51) T Dimethyl phthalate	1.195	0.932	1.050	0.917	0.838	0.933	0.932	0.961	0.878	0.959	11.01
52) T Acenaphthylene	1.397	1.186	1.304	1.177	1.098	1.213	1.206	1.221	1.114	1.213	7.57
53) T 2,6-Dinitrotoluene	0.164	0.121	0.176	0.165	0.160	0.191	0.193	0.206	0.203	0.176	15.15
54) T 1,2-Dinitrobenzene	0.064	0.072	0.080	0.082	0.072	0.083	0.087	0.096	0.098	0.081	13.55
55) I IS2_Naphthalene-d8	-----ISTD-----										
56) T a-Terpeneol	0.244	0.183	0.275	0.250	0.240	0.248	0.254	0.303	0.279	0.253	13.20
57) T 3-Chloroaniline	0.091	0.111	0.138	0.125	0.128	0.144	0.136	0.156	0.145	0.130	15.12
58) T 2,6-Dichlorophenol	0.271	0.249	0.297	0.278	0.259	0.277	0.292	0.334	0.307	0.285	9.07
59) T 1-chloro-2-nitrobenzene	0.148	0.129	0.146	0.122	0.124	0.134	0.133	0.158	0.143	0.138	8.82
60) T Caprolactam		0.073	0.116	0.102	0.111	0.131	0.145	0.176	0.163	*L	0.9932
61) T 1,2,4,5-Tetrachlorobenzene	0.496	0.399	0.476	0.439	0.405	0.433	0.408	0.469	0.419	0.438	7.95
62) T Biphenyl	0.959	0.811	1.017	0.891	0.840	0.868	0.849	0.948	0.826	0.890	7.85
63) I IS1_Acenaphthene-d10	-----ISTD-----										
64) T 3-Nitroaniline	0.346	0.238	0.304	0.296	0.270	0.313	0.331	0.343	0.338	0.309	11.82
65) T Acenaphthene	1.355	1.087	1.166	1.031	0.947	1.012	1.025	1.039	0.989	1.072	11.43
66) T 2,4-Dinitrophenol		0.079	0.134	0.129	0.140	0.168	0.184	0.207	0.207	*L	0.9957
67) T Dibenzofuran	2.391	2.035	2.054	1.795	1.613	1.732	1.725	1.699	1.554	1.844	14.43
68) T 2,4-Dinitrotoluene	0.358	0.362	0.394	0.371	0.358	0.410	0.439	0.457	0.465	0.402	10.75
69) T 4-Nitrophenol	0.193	0.180	0.206	0.215	0.221	0.247	0.261	0.271	0.270	0.229	14.86
70) T 2,3,5,6-Tetrachlorophenol	0.355	0.332	0.386	0.365	0.363	0.410	0.430	0.445	0.445	0.392	10.64
71) T 2,3,4,6-Tetrachlorophenol	0.393	0.364	0.407	0.384	0.357	0.404	0.429	0.435	0.425	0.400	7.00
72) T Diethyl phthalate	1.802	1.542	1.610	1.447	1.318	1.452	1.480	1.460	1.362	1.497	9.57



Initial Calibration Summary

Form 6

Semivolatiles

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM GROUNDWATER EVENT
Instrument ID : SV112
Calibration dates : 03/13/25 13:47 03/14/25 00:48
Lab Number : L2538805
Project Number : 2232.0006Y005
Ical Ref : ICAL22084

Calibration Files

L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ADPL5.D L6 =ADPL6.D L7 =ADPL7.D
 L8 =ADPL8.D L9 =ADPL9.D

	Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
73) T	Fluorene	1.744	1.522	1.616	1.417	1.251	1.381	1.399	1.399	1.313	1.449	10.60
74) T	4-Chlorophenyl-phenylether	0.952	0.808	0.824	0.765	0.667	0.711	0.725	0.726	0.701	0.764	11.32
75) T	4-Nitroaniline	0.267	0.278	0.327	0.318	0.297	0.333	0.359	0.361	0.356	0.322	10.89
76) T	4,6-Dinitro-o-cresol		0.167	0.211	0.219	0.212	0.242	0.259	0.280	0.282	0.234	16.85
77) T	NDPA/DPA	1.285	1.184	1.240	1.201	1.095	1.178	1.192	1.199	1.142	1.191	4.51
78) T	Azobenzene	1.521	1.294	1.413	1.351	1.214	1.346	1.355	1.329	1.224	1.339	6.98
79) S	2,4,6-Tribromophenol			0.242	0.227	0.212	0.229	0.248	0.264	0.268	0.241	8.46
80) T	4-Bromophenyl-phenylether	0.565	0.589	0.540	0.471	0.421	0.460	0.470	0.484	0.479	0.498	11.00
81) T	Hexachlorobenzene	0.735	0.637	0.625	0.576	0.508	0.532	0.556	0.553	0.549	0.586	11.87
82) T	Pentachlorophenol	0.280	0.247	0.280	0.274	0.276	0.333	0.357	0.390	0.398	0.315	17.67
83) I	IS2_Acenaphthene-d10	-----ISTD-----										
84) T	Dichloran			0.179	0.143	0.154	0.169	0.181	0.235	0.223	0.183	18.43
85) T	Pentachloronitrobenzene	0.191	0.160	0.185	0.177	0.172	0.198	0.200	0.244	0.224	0.195	13.43
86) I	IS3_Acenaphthene-d10	-----ISTD-----										
87) T	Atrazine	0.525	0.396	0.442	0.428	0.388	0.431	0.469	0.605	0.544	0.470	15.62
88) I	IS1_Phenanthrene-d10	-----ISTD-----										
89) T	Phenanthrene	1.468	1.193	1.252	1.072	0.963	1.012	1.006	0.981	0.869	1.091	16.86
90) T	Anthracene	1.239	1.099	1.165	1.034	0.957	1.024	1.016	1.008	0.879	1.047	10.28
91) T	Carbazole	1.110	0.988	1.059	0.982	0.891	0.961	0.969	0.954	0.847	0.974	8.09
92) T	Di-n-butylphthalate	1.202	1.094	1.120	1.044	1.007	1.114	1.148	1.127	0.958	1.090	6.90
93) T	Fluoranthene	1.546	1.354	1.387	1.274	1.163	1.255	1.262	1.221	1.052	1.279	10.99
94) T	Benzidine			0.560	0.599	0.619	0.735	0.778	0.806	0.747	0.692	14.05
95) T	Pyrene	1.538	1.336	1.531	1.354	1.255	1.343	1.326	1.260	1.076	1.335	10.56
96) S	4-Terphenyl-d14	1.298	1.046	1.138	1.040	0.955	1.030	1.012	1.001	0.895	1.046	11.04
97) T	Butyl benzyl phthalate	0.456	0.438	0.465	0.427	0.415	0.465	0.507	0.553	0.542	0.474	10.39
98) I	IS2_Phenanthrene-d10	-----ISTD-----										
99) T	Diphenamid	0.466	0.384	0.424	0.403	0.394	0.436	0.458	0.549	0.497	0.446	11.95
100) I	IS3_Phenanthrene-d10	-----ISTD-----										
101) T	n-Octadecane	0.451	0.332	0.373	0.354	0.318	0.356	0.393	0.489	0.431	0.389	14.83
102) T	Parathion			0.102	0.085	0.076	0.086	0.101	0.146			*Q 0.9999
103) T	3,3'-Dimethylbenzidine					0.519	0.669	0.808	1.114	0.980		*L 0.9916
104) I	IS1_Chrysene-d12	-----ISTD-----										
105) T	Benzo[a]anthracene	1.580	1.240	1.381	1.266	1.098	1.214	1.222	1.185	1.015	1.245	13.04
106) T	3,3'-Dichlorobenzidine	0.488	0.409	0.423	0.406	0.390	0.455	0.470	0.501	0.478	0.447	9.08
107) T	Chrysene	1.530	1.333	1.365	1.239	1.072	1.141	1.124	1.053	0.876	1.192	16.43
108) T	bis(2-Ethylhexyl)phthalate	0.672	0.527	0.604	0.552	0.558	0.656	0.690	0.710	0.629	0.622	10.54



Initial Calibration Summary

Form 6

Semivolatiles

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM GROUNDWATER EVENT
Instrument ID : SV112
Calibration dates : 03/13/25 13:47 03/14/25 00:48
Lab Number : L2538805
Project Number : 2232.0006Y005
Ical Ref : ICAL22084

Calibration Files

L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ADPL5.D L6 =ADPL6.D L7 =ADPL7.D
 L8 =ADPL8.D L9 =ADPL9.D

	Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
109) T	Di-n-octylphthalate	1.006	0.901	0.954	0.908	0.880	1.057	1.126	1.142	0.967	0.994	9.73
110) T	Benzo(b)fluoranthene	1.356	1.188	1.301	1.156	1.152	1.287	1.179	1.177	1.021	1.202	8.28
111) T	Benzo(k)fluoranthene	1.474	1.222	1.376	1.283	1.038	1.146	1.213	1.108	0.944	1.200	13.73
112) T	Benzo(a)pyrene	1.256	1.138	1.237	1.137	1.025	1.138	1.131	1.113	0.969	1.127	7.98
113) I	IS1_Perylene-d12	-----ISTD-----										
114) T	Indeno(1,2,3-cd)pyrene	1.185	1.064	1.174	1.046	0.943	1.029	1.107	1.133	1.181	1.096	7.52
115) T	Dibenzo[a,h]anthracene	1.158	1.017	1.144	1.052	0.952	1.056	1.076	1.095	1.018	1.063	6.08
116) T	Benzo(g,h,i)perylene	1.328	1.085	1.197	1.099	0.979	1.056	1.063	1.074	1.007	1.099	9.60



Response Factor Report SV112

Method Path : I:\8270\SV112\250313RVTical\
 Method File : FS250313SV112RVT.m
 Title : Semivolatiles by GC/MS by modified 8270
 Last Update : Fri Mar 14 09:19:55 2025
 Response Via : Initial Calibration

Calibration Files

L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ADPL5.D L6 =ADPL6.D L7 =ADPL7.D
 L8 =ADPL8.D L9 =ADPL9.D

Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
1) I IS1_1,4-Dichlorobenzene-d4	-----ISTD-----										
2) T N-Nitrosodimethylamine	0.535	0.614	0.762	0.713	0.686	0.712	0.727	0.770	0.740	0.695	10.93
3) T Pyridine	1.038	1.037	1.310	1.193	1.222	1.208	1.276	1.365	1.287	1.215	9.39
4) S 2-Fluorophenol	0.976	1.077	1.135	1.126	0.986	1.083	1.091	1.158	1.111	1.083	5.85
5) T Aniline	1.376	1.481	1.845	1.889	1.630	1.871	1.879	2.011	1.951	1.770	12.48
6) T 2-Chlorophenol	1.525	1.102	1.271	1.284	1.087	1.218	1.215	1.282	1.243	1.247	10.19
7) S Phenol-d6	1.430	1.179	1.339	1.333	1.189	1.343	1.367	1.499	1.476	1.350	8.29
8) T Phenol	1.619	1.408	1.621	1.678	1.414	1.585	1.602	1.721	1.679	1.592	6.99
9) T bis(2-Chloroethyl)ether	1.187	1.178	1.245	1.142	1.048	1.157	1.121	1.168	1.125	1.152	4.70
10) T 1,3-Dichlorobenzene	1.525	1.504	1.644	1.539	1.344	1.413	1.421	1.454	1.410	1.473	6.10
11) T 1,4-Dichlorobenzene	1.746	1.584	1.654	1.558	1.339	1.471	1.447	1.487	1.438	1.525	8.11
12) T 1,2-Dichlorobenzene	1.637	1.570	1.566	1.543	1.306	1.386	1.366	1.412	1.378	1.463	7.95
13) T Benzyl alcohol	0.974	0.960	0.911	0.919	0.865	0.956	0.974	1.101	1.090	0.972	8.04
14) T bis(2-chloroisopropyl)ether	1.816	1.818	1.745	1.698	1.450	1.613	1.621	1.706	1.595	1.674	7.02
15) T 2-Methylphenol	1.084	1.018	1.015	1.044	0.921	1.059	1.059	1.162	1.135	1.055	6.68
16) T Hexachloroethane	0.689	0.479	0.577	0.581	0.500	0.536	0.544	0.577	0.565	0.561	10.69
17) T n-Nitrosodi-n-propylamine	1.000	0.846	0.891	0.874	0.776	0.894	0.891	0.992	0.976	0.904	8.12
18) T 3-Methylphenol/4-Methylphenol	1.386	0.973	1.242	1.141	1.017	1.124	1.147	1.247	1.244	1.169	10.86
19) S Nitrobenzene-d5	1.244	1.198	1.282	1.258	1.131	1.279	1.297	1.410	1.379	1.275	6.66
20) T Nitrobenzene	1.295	1.159	1.366	1.305	1.176	1.292	1.315	1.421	1.387	1.302	6.77
21) T Isophorone	2.484	2.134	2.414	2.339	2.165	2.406	2.456	2.686	2.560	2.405	7.31
22) T 2-Nitrophenol	0.571	0.409	0.590	0.549	0.547	0.608	0.638	0.718	0.710	0.593	15.76
23) T 2,4-Dimethylphenol	1.318	1.067	1.189	1.188	1.116	1.237	1.278	1.379	1.364	1.237	8.70
24) T bis(2-Chloroethoxy)methane	1.994	1.514	1.623	1.576	1.424	1.532	1.574	1.693	1.614	1.616	9.94
25) T 2,4-Dichlorophenol	0.989	1.004	1.120	1.119	1.041	1.148	1.190	1.313	1.289	1.135	10.18
26) T 1,2,4-Trichlorobenzene	1.571	1.440	1.528	1.464	1.308	1.362	1.369	1.480	1.433	1.440	5.80
27) I IS2_1,4-Dichlorobenzene-d4	-----ISTD-----										
28) T Benzaldehyde	0.702	0.840	1.112	0.972	0.900	0.965	0.964	1.111	1.017	0.954	13.55
29) T Acetophenone	1.850	1.531	1.906	1.714	1.495	1.668	1.676	1.958	1.784	1.731	9.18
30) T m-Toluidine			1.279	1.380	1.398	1.594	1.634	1.913	1.737	1.562	14.33
31) T 2-Chloroaniline	1.451	1.287	1.642	1.525	1.371	1.509	1.476	1.745	1.579	1.509	9.11
32) I IS3_1,4-Dichlorobenzene-d4	-----ISTD-----										
33) T 1,4-Dioxane		0.440	0.538	0.514	0.451	0.433	0.453	0.544	0.478	0.481	9.28
34) T n-Decane	1.334	1.269	1.474	1.367	1.150	1.224	1.260	1.538	1.339	1.328	9.13
35) I IS1_Naphthalene-d8	-----ISTD-----										
36) T Naphthalene	1.207	1.055	1.151	1.054	0.928	0.988	0.988	0.967	0.889	1.025	10.04
37) T Benzoic Acid			0.068	0.110	0.139	0.192	0.214	0.265	0.268	*L	0.9928
38) T 4-Chloroaniline	0.118	0.109	0.138	0.134	0.120	0.131	0.128	0.138	0.135	0.128	8.03
39) T Hexachlorobutadiene	0.328	0.256	0.291	0.258	0.233	0.249	0.244	0.249	0.244	0.261	11.39
40) T p-Chloro-m-cresol	0.269	0.262	0.302	0.267	0.258	0.287	0.301	0.322	0.314	0.287	8.37
41) T 2-Methylnaphthalene	0.754	0.642	0.688	0.622	0.563	0.615	0.614	0.643	0.605	0.638	8.61
42) T 1-Methylnaphthalene	0.277	0.238	0.269	0.229	0.214	0.237	0.238	0.249	0.243	0.244	7.94
43) T Hexachlorocyclopentadiene	0.345	0.296	0.330	0.302	0.277	0.311	0.313	0.334	0.325	0.315	6.78
44) T 2,4,6-Trichlorophenol	0.315	0.247	0.280	0.235	0.228	0.265	0.267	0.300	0.292	0.270	10.96
45) T 2,4,5-Trichlorophenol	0.258	0.220	0.267	0.272	0.250	0.282	0.300	0.304	0.301	0.273	10.23

Response Factor Report SV112

Method Path : I:\8270\SV112\250313RVTical\
 Method File : FS250313SV112RVT.m
 Title : Semivolatiles by GC/MS by modified 8270
 Last Update : Fri Mar 14 09:19:55 2025
 Response Via : Initial Calibration

Calibration Files

L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ADPL5.D L6 =ADPL6.D L7 =ADPL7.D
 L8 =ADPL8.D L9 =ADPL9.D

Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
46) S 2-Fluorobiphenyl	1.060	0.979	1.022	0.911	0.822	0.881	0.881	0.877	0.812	0.916	9.43
47) T 2-Chloronaphthalene	0.875	0.698	0.825	0.750	0.681	0.730	0.721	0.745	0.705	0.748	8.45
48) T 2-Nitroaniline	0.158	0.156	0.193	0.192	0.188	0.208	0.227	0.250	0.244	0.202	16.80
49) T 1,4-Dinitrobenzene	0.132	0.093	0.109	0.090	0.087	0.109	0.114	0.129	0.130	0.110	15.94
50) T 1,3-Dinitrobenzene	0.137	0.088	0.113	0.104	0.103	0.125	0.134	0.152	0.150	0.123	18.10
51) T Dimethyl phthalate	1.195	0.932	1.050	0.917	0.838	0.933	0.932	0.961	0.878	0.959	11.01
52) T Acenaphthylene	1.397	1.186	1.304	1.177	1.098	1.213	1.206	1.221	1.114	1.213	7.57
53) T 2,6-Dinitrotoluene	0.164	0.121	0.176	0.165	0.160	0.191	0.193	0.206	0.203	0.176	15.15
54) T 1,2-Dinitrobenzene	0.064	0.072	0.080	0.082	0.072	0.083	0.087	0.096	0.098	0.081	13.55
55) I IS2_Naphthalene-d8	-----ISTD-----										
56) T a-Terpineol	0.244	0.183	0.275	0.250	0.240	0.248	0.254	0.303	0.279	0.253	13.20
57) T 3-Chloroaniline	0.091	0.111	0.138	0.125	0.128	0.144	0.136	0.156	0.145	0.130	15.12
58) T 2,6-Dichlorophenol	0.271	0.249	0.297	0.278	0.259	0.277	0.292	0.334	0.307	0.285	9.07
59) T 1-chloro-2-nitrobenzene	0.148	0.129	0.146	0.122	0.124	0.134	0.133	0.158	0.143	0.138	8.82
60) T Caprolactam		0.073	0.116	0.102	0.111	0.131	0.145	0.176	0.163	*L	0.9932
61) T 1,2,4,5-Tetrachlorobenzene	0.496	0.399	0.476	0.439	0.405	0.433	0.408	0.469	0.419	0.438	7.95
62) T Biphenyl	0.959	0.811	1.017	0.891	0.840	0.868	0.849	0.948	0.826	0.890	7.85
63) I IS1_Acenaphthene-d10	-----ISTD-----										
64) T 3-Nitroaniline	0.346	0.238	0.304	0.296	0.270	0.313	0.331	0.343	0.338	0.309	11.82
65) T Acenaphthene	1.355	1.087	1.166	1.031	0.947	1.012	1.025	1.039	0.989	1.072	11.43
66) T 2,4-Dinitrophenol		0.079	0.134	0.129	0.140	0.168	0.184	0.207	0.207	*L	0.9957
67) T Dibenzofuran	2.391	2.035	2.054	1.795	1.613	1.732	1.725	1.699	1.554	1.844	14.43
68) T 2,4-Dinitrotoluene	0.358	0.362	0.394	0.371	0.358	0.410	0.439	0.457	0.465	0.402	10.75
69) T 4-Nitrophenol	0.193	0.180	0.206	0.215	0.221	0.247	0.261	0.271	0.270	0.229	14.86
70) T 2,3,5,6-Tetrachlorophenol	0.355	0.332	0.386	0.365	0.363	0.410	0.430	0.445	0.445	0.392	10.64
71) T 2,3,4,6-Tetrachlorophenol	0.393	0.364	0.407	0.384	0.357	0.404	0.429	0.435	0.425	0.400	7.00
72) T Diethyl phthalate	1.802	1.542	1.610	1.447	1.318	1.452	1.480	1.460	1.362	1.497	9.57
73) T Fluorene	1.744	1.522	1.616	1.417	1.251	1.381	1.399	1.399	1.313	1.449	10.60
74) T 4-Chlorophenyl-phenylether	0.952	0.808	0.824	0.765	0.667	0.711	0.725	0.726	0.701	0.764	11.32
75) T 4-Nitroaniline	0.267	0.278	0.327	0.318	0.297	0.333	0.359	0.361	0.356	0.322	10.89
76) T 4,6-Dinitro-o-cresol		0.167	0.211	0.219	0.212	0.242	0.259	0.280	0.282	0.234	16.85
77) T NDPA/DPA	1.285	1.184	1.240	1.201	1.095	1.178	1.192	1.199	1.142	1.191	4.51
78) T Azobenzene	1.521	1.294	1.413	1.351	1.214	1.346	1.355	1.329	1.224	1.339	6.98
79) S 2,4,6-Tribromophenol		0.242	0.227	0.212	0.229	0.248	0.264	0.268	0.241	0.241	8.46
80) T 4-Bromophenyl-phenylether	0.565	0.589	0.540	0.471	0.421	0.460	0.470	0.484	0.479	0.498	11.00
81) T Hexachlorobenzene	0.735	0.637	0.625	0.576	0.508	0.532	0.556	0.553	0.549	0.586	11.87
82) T Pentachlorophenol	0.280	0.247	0.280	0.274	0.276	0.333	0.357	0.390	0.398	0.315	17.67
83) I IS2_Acenaphthene-d10	-----ISTD-----										
84) T Dichloran		0.179	0.143	0.154	0.169	0.181	0.235	0.223	0.183	0.183	18.43
85) T Pentachloronitrobenzene	0.191	0.160	0.185	0.177	0.172	0.198	0.200	0.244	0.224	0.195	13.43
86) I IS3_Acenaphthene-d10	-----ISTD-----										
87) T Atrazine	0.525	0.396	0.442	0.428	0.388	0.431	0.469	0.605	0.544	0.470	15.62
88) I IS1_Phenanthrene-d10	-----ISTD-----										
89) T Phenanthrene	1.468	1.193	1.252	1.072	0.963	1.012	1.006	0.981	0.869	1.091	16.86
90) T Anthracene	1.239	1.099	1.165	1.034	0.957	1.024	1.016	1.008	0.879	1.047	10.28

Response Factor Report SV112

Method Path : I:\8270\SV112\250313RVTical\
 Method File : FS250313SV112RVT.m
 Title : Semivolatiles by GC/MS by modified 8270
 Last Update : Fri Mar 14 09:19:55 2025
 Response Via : Initial Calibration

Calibration Files

L1 =ADPL1.D L2 =ADPL2.D L3 =ADPL3.D L4 =ADPL4.D L5 =ADPL5.D L6 =ADPL6.D L7 =ADPL7.D
 L8 =ADPL8.D L9 =ADPL9.D

	Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	Avg	%RSD
91) T	Carbazole	1.110	0.988	1.059	0.982	0.891	0.961	0.969	0.954	0.847	0.974	8.09
92) T	Di-n-butylphthalate	1.202	1.094	1.120	1.044	1.007	1.114	1.148	1.127	0.958	1.090	6.90
93) T	Fluoranthene	1.546	1.354	1.387	1.274	1.163	1.255	1.262	1.221	1.052	1.279	10.99
94) T	Benzidine			0.560	0.599	0.619	0.735	0.778	0.806	0.747	0.692	14.05
95) T	Pyrene	1.538	1.336	1.531	1.354	1.255	1.343	1.326	1.260	1.076	1.335	10.56
96) S	4-Terphenyl-d14	1.298	1.046	1.138	1.040	0.955	1.030	1.012	1.001	0.895	1.046	11.04
97) T	Butyl benzyl phthalate	0.456	0.438	0.465	0.427	0.415	0.465	0.507	0.553	0.542	0.474	10.39
98) I	IS2_Phenanthrene-d10	-----ISTD-----										
99) T	Diphenamid	0.466	0.384	0.424	0.403	0.394	0.436	0.458	0.549	0.497	0.446	11.95
100) I	IS3_Phenanthrene-d10	-----ISTD-----										
101) T	n-Octadecane	0.451	0.332	0.373	0.354	0.318	0.356	0.393	0.489	0.431	0.389	14.83
102) T	Parathion			0.102	0.085	0.076	0.086	0.101	0.146			*Q 0.9999
103) T	3,3'-Dimethylbenzidine					0.519	0.669	0.808	1.114	0.980		*L 0.9916
104) I	IS1_Chrysene-d12	-----ISTD-----										
105) T	Benzo[a]anthracene	1.580	1.240	1.381	1.266	1.098	1.214	1.222	1.185	1.015	1.245	13.04
106) T	3,3'-Dichlorobenzidine	0.488	0.409	0.423	0.406	0.390	0.455	0.470	0.501	0.478	0.447	9.08
107) T	Chrysene	1.530	1.333	1.365	1.239	1.072	1.141	1.124	1.053	0.876	1.192	16.43
108) T	bis(2-Ethylhexyl)phthalate	0.672	0.527	0.604	0.552	0.558	0.656	0.690	0.710	0.629	0.622	10.54
109) T	Di-n-octylphthalate	1.006	0.901	0.954	0.908	0.880	1.057	1.126	1.142	0.967	0.994	9.73
110) T	Benzo(b)fluoranthene	1.356	1.188	1.301	1.156	1.152	1.287	1.179	1.177	1.021	1.202	8.28
111) T	Benzo(k)fluoranthene	1.474	1.222	1.376	1.283	1.038	1.146	1.213	1.108	0.944	1.200	13.73
112) T	Benzo(a)pyrene	1.256	1.138	1.237	1.137	1.025	1.138	1.131	1.113	0.969	1.127	7.98
113) I	IS1_Perylene-d12	-----ISTD-----										
114) T	Indeno(1,2,3-cd)pyrene	1.185	1.064	1.174	1.046	0.943	1.029	1.107	1.133	1.181	1.096	7.52
115) T	Dibenzo[a,h]anthracene	1.158	1.017	1.144	1.052	0.952	1.056	1.076	1.095	1.018	1.063	6.08
116) T	Benzo(g,h,i)perylene	1.328	1.085	1.197	1.099	0.979	1.056	1.063	1.074	1.007	1.099	9.60

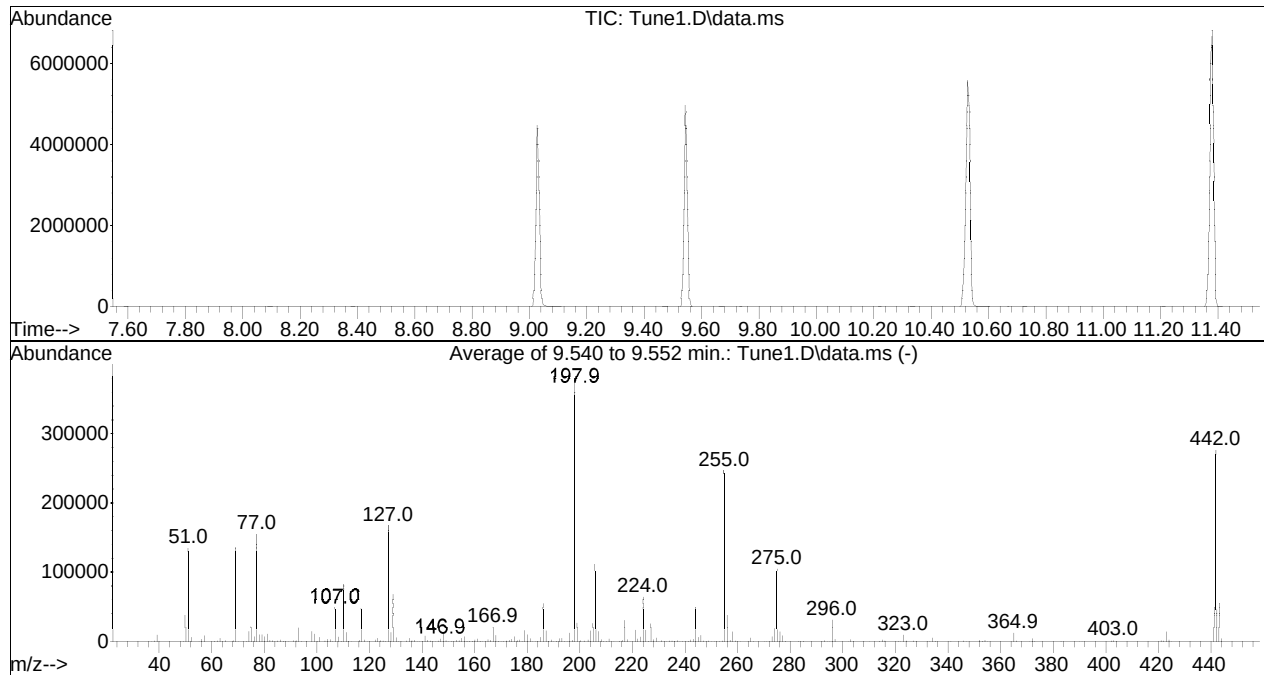
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DFTPP

Data Path : I:\8270\SV112\250313RVTical\
 Data File : Tune1.D
 Acq On : 13 Mar 2025 01:24 pm
 Operator : SV112:ljg
 Sample : Tune Lot#11459
 Misc : WG2040627
 ALS Vial : 141 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270\SV112\250313RVTical\FS250313SV112RVT.m
 Title : Semivolatiles by GC/MS by modified 8270
 Last Update : Fri Mar 14 09:19:55 2025



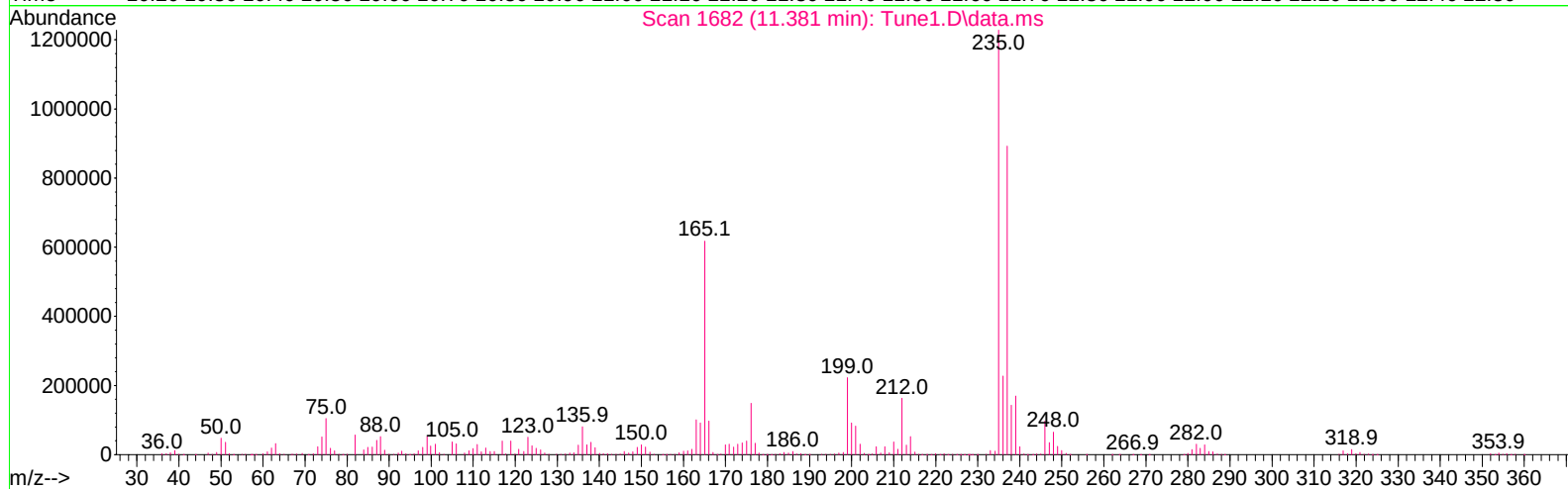
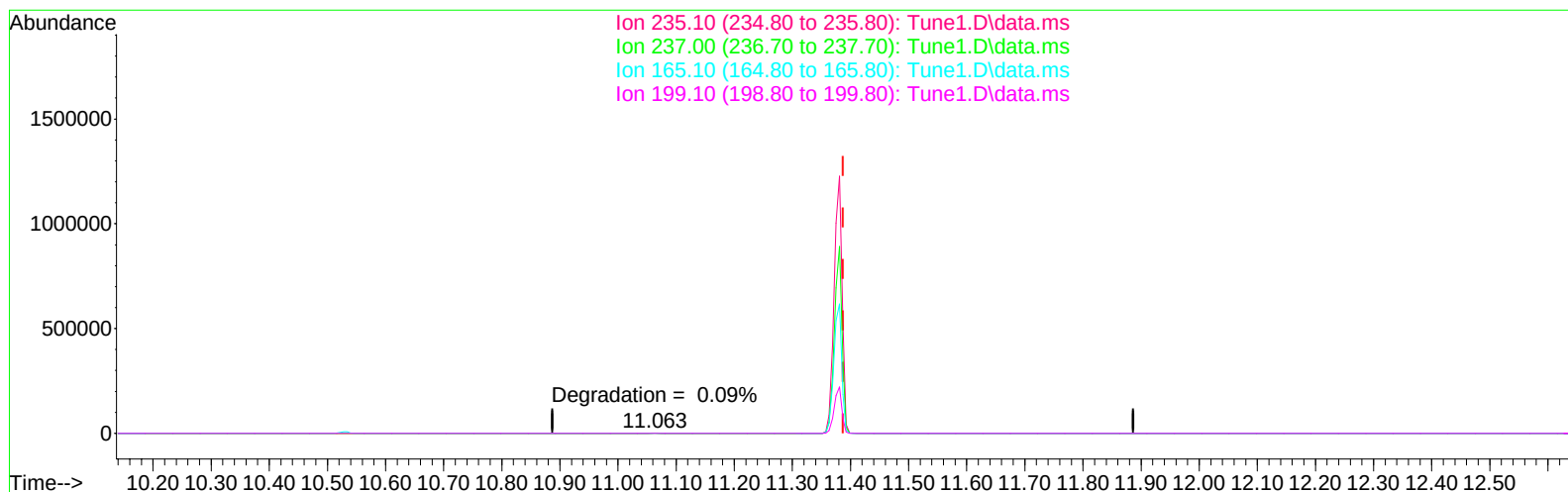
Spectrum Information: Average of 9.540 to 9.552 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	35.3	134517	PASS
68	69	0.00	2	1.7	2305	PASS
69	69	100	100	100.0	135989	PASS
70	69	0.00	2	0.5	638	PASS
127	198	10	80	43.8	166851	PASS
197	198	0.00	2	0.8	2886	PASS
198	198	100	100	100.0	380885	PASS
199	198	5	9	7.1	26918	PASS
275	198	10	60	27.5	104619	PASS
365	198	1	100	3.3	12430	PASS
441	442	0.01	24	17.5	48328	PASS
442	198	50	100	72.5	276155	PASS
443	442	15	24	20.0	55216	PASS

Quantitation Report (Qedit)

Data Path : I:\8270\SV112\250313RVTical\
 Data File : Tune1.D
 Acq On : 13 Mar 2025 01:24 pm
 Operator : SV112:ljb
 Sample : Tune Lot#11459
 Misc : WG2040627
 ALS Vial : 141 Sample Multiplier: 1

Quant Time: Mar 13 15:34:06 2025
 Quant Method : I:\8270\SV112\250313RVTical\DftppSV112.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Feb 26 15:45:52 2025
 Response via : Initial Calibration



CHROMtools™ [Tune Lot#11459]

(6) DDT (T)

11.381min (-0.006) 0.00

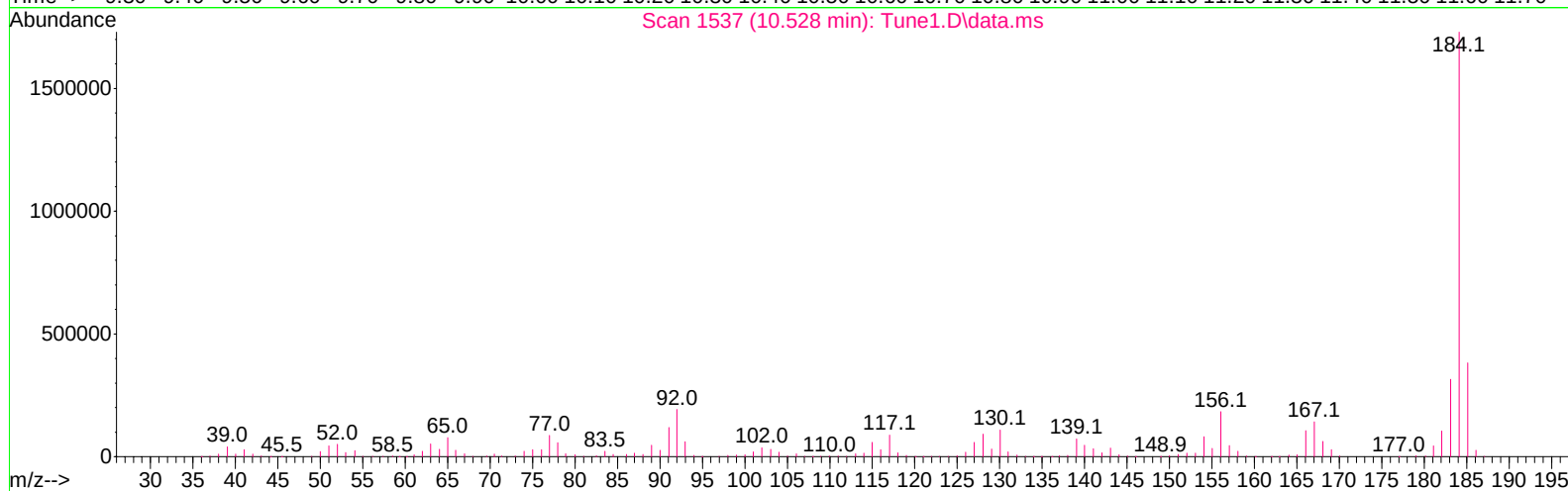
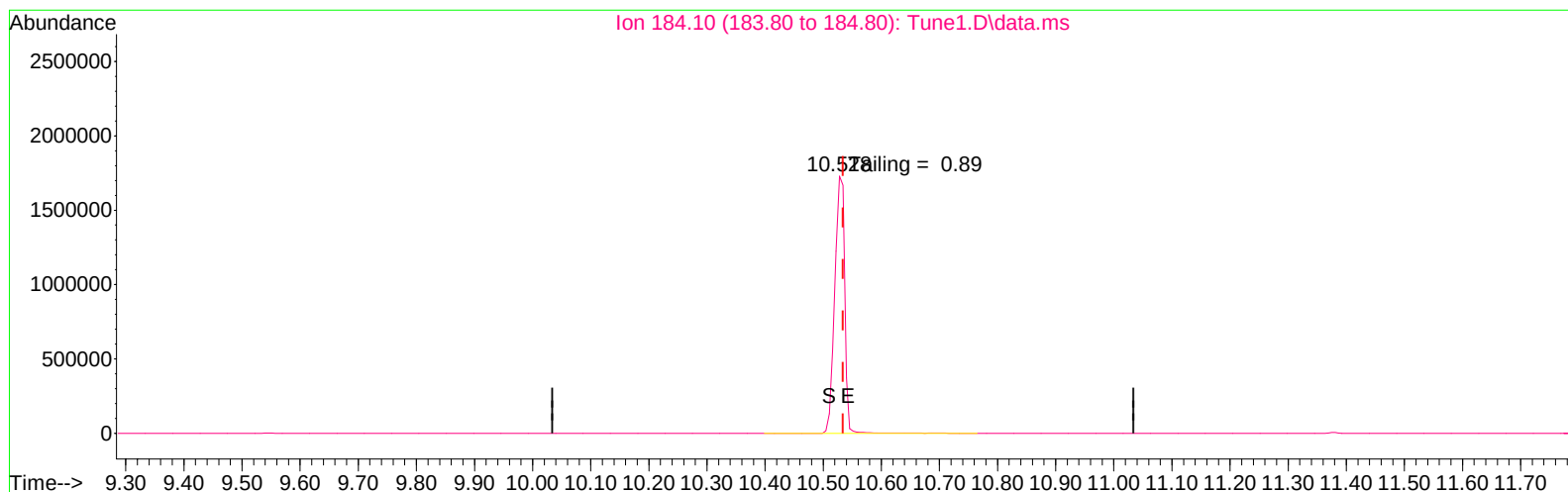
response 1167177

Ion	Exp%	Act%
235.10	100.00	100.00
237.00	71.30	69.20
165.10	47.10	49.69
199.10	16.40	17.04

Quantitation Report (Qedit)

Data Path : I:\8270\SV112\250313RVTical\
 Data File : Tune1.D
 Acq On : 13 Mar 2025 01:24 pm
 Operator : SV112:ljj
 Sample : Tune Lot#11459
 Misc : WG2040627
 ALS Vial : 141 Sample Multiplier: 1

Quant Time: Mar 13 15:34:06 2025
 Quant Method : I:\8270\SV112\250313RVTical\DftppSV112.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Feb 26 15:45:52 2025
 Response via : Initial Calibration



CHROMtools™ [Tune Lot#11459]

(3) Benzidine (T)

10.528min (-0.006) 0.00

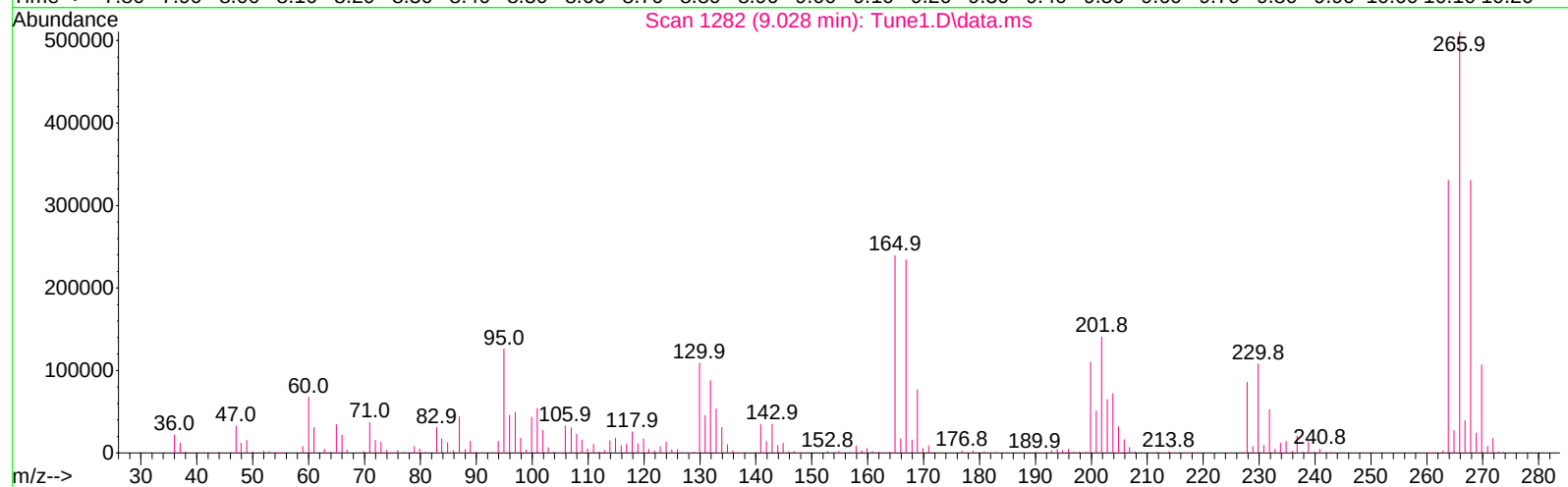
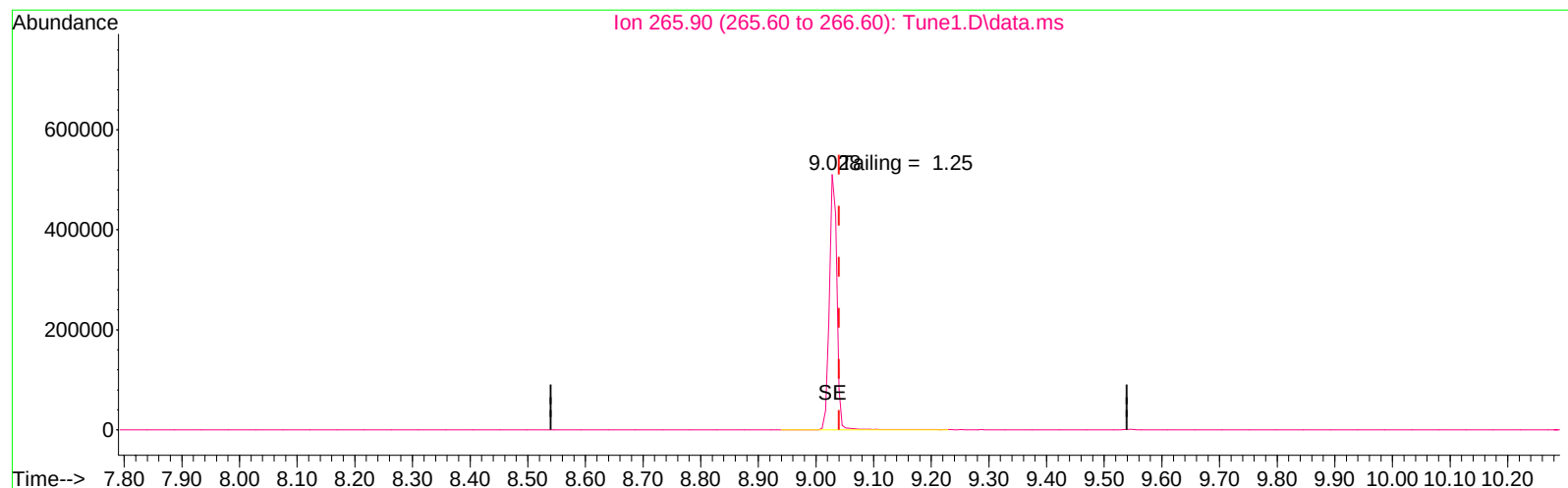
response 2043518

Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270\SV112\250313RVTical\
 Data File : Tune1.D
 Acq On : 13 Mar 2025 01:24 pm
 Operator : SV112:lbg
 Sample : Tune Lot#11459
 Misc : WG2040627
 ALS Vial : 141 Sample Multiplier: 1

Quant Time: Mar 13 15:34:06 2025
 Quant Method : I:\8270\SV112\250313RVTical\DftppSV112.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Feb 26 15:45:52 2025
 Response via : Initial Calibration



CHROMtools™ [Tune Lot#11459]

(1) Pentachlorophenol (T)

9.028min (-0.012) 0.00

response 459960

Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Duplicate Retention Times

(5) DDD 235.00

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250313RVTical\
 Data File : ABNL9.D
 Acq On : 13 Mar 2025 01:47 pm
 Operator : SV112:ljl
 Sample : IL2,32,,ABNL50 Lot# 11425
 Misc : WG2040627
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 13 20:23:49 2025
 Quant Method : I:\8270\SV112\250313RVTical\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Mar 13 20:22:59 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250313RVTical\ABNL6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.834	152	23901	4.000	ug/ml	# 0.00
Standard Area 1 = 23356			Recovery =	102.33%		
35) IS1_Naphthalene-d8	6.069	136	95529	4.000	ug/ml	0.00
Standard Area 1 = 87070			Recovery =	109.72%		
63) IS1_Acenaphthene-d10	7.769	164	64052	4.000	ug/ml	0.00
Standard Area 1 = 56356			Recovery =	113.66%		
88) IS1_Phenanthrene-d10	9.198	188	139390	4.000	ug/ml	# 0.00
Standard Area 1 = 122535			Recovery =	113.76%		
104) IS1_Chrysene-d12	11.839	240	172712	4.000	ug/ml	# 0.01
Standard Area 1 = 141005			Recovery =	122.49%		
113) IS1_Perylene-d12	13.298	264	176871	4.000	ug/ml	0.00
Standard Area 1 = 153196			Recovery =	115.45%		
System Monitoring Compounds						
4) 2-Fluorophenol	3.563	112	332048	51.331	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	2566.55%#		
7) Phenol-d6	4.510	99	440986	54.652	ug/ml	0.01
Spiked Amount 2.000	Range 15 - 110		Recovery =	2732.60%#		
19) Nitrobenzene-d5	5.375	82	411912	54.057	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	5405.70%#		
46) 2-Fluorobiphenyl	7.134	172	969727	44.328	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	4432.80%#		
79) 2,4,6-Tribromophenol	8.534	330	214579	55.508	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	2775.40%#		
96) 4-Terphenyl-d14	10.775	244	1560221	42.801	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	4280.10%#		
Target Compounds						
						Qvalue
2) n-Nitrosodimethylamine	2.199	74	221040	53.197	ug/ml	89
3) Pyridine	2.228	79	384564	52.964	ug/ml	90
5) Aniline	4.516	93	582791	55.096	ug/ml#	48
6) 2-Chlorophenol	4.628	128	371375	49.828	ug/ml	97
8) Phenol	4.522	94	501583	52.732	ug/ml#	42
9) Bis(2-chloroethyl)ether	4.593	93	336175	48.822	ug/ml	99
10) 1,3-Dichlorobenzene	4.775	146	421124	47.856	ug/ml	97
11) 1,4-Dichlorobenzene	4.852	146	429764	47.163	ug/ml	96
12) 1,2-Dichlorobenzene	4.999	146	411778	47.115	ug/ml	96
13) Benzyl alcohol	4.987	79	325607	56.051	ug/ml	97
14) Bis(2-chloroisopropyl)...	5.128	45	476532	47.653	ug/ml#	75

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250313RVTical\
 Data File : ABNL9.D
 Acq On : 13 Mar 2025 01:47 pm
 Operator : SV112:ljb
 Sample : IL2,32,,ABNL50 Lot# 11425
 Misc : WG2040627
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 13 20:23:49 2025
 Quant Method : I:\8270\SV112\250313RVTical\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Mar 13 20:22:59 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250313RVTical\ABNL6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15)	2-Methylphenol	5.110	108	339062	53.773	ug/ml	97
16)	Hexachloroethane	5.322	117	168818	50.385	ug/ml#	62
17)	n-Nitrosodi-n-propylamine	5.252	70	291596	53.962	ug/ml	97
18)	3-Methylphenol/4-Methy...	5.263	108	371678	53.210	ug/ml	97
20)	Nitrobenzene	5.393	77	414387	53.271	ug/ml	99
21)	Isophorone	5.634	82	764807	53.222	ug/ml	97
22)	2-Nitrophenol	5.704	139	212256	59.876	ug/ml	97
23)	2,4-Dimethylphenol	5.775	107	407483	55.119	ug/ml	99
24)	Bis(2-chloroethoxy)met...	5.863	93	482348	49.952	ug/ml	98
25)	2,4-Dichlorophenol	5.946	162	385239	56.819	ug/ml	94
26)	1,2,4-Trichlorobenzene	6.022	180	428206	49.783	ug/ml	97
36)	Naphthalene	6.087	128	1061516	43.354	ug/ml	95
37)	Benzoic Acid	5.922	105	320278	51.615	ug/ml	97
38)	4-Chloroaniline	6.151	65	161448	52.880	ug/ml	96
39)	Hexachlorobutadiene	6.234	225	291478	46.707	ug/ml	99
40)	p-Chloro-m-cresol	6.646	107	374908	54.719	ug/ml	94
41)	2-Methylnaphthalene	6.763	142	722459	47.392	ug/ml	96
42)	1-Methylnaphthalene	6.857	115	290077	49.820	ug/ml	96
43)	Hexachlorocyclopentadiene	6.934	237	388371	51.667	ug/ml	99
44)	2,4,6-Trichlorophenol	7.051	196	348187	54.000	ug/ml	99
45)	2,4,5-Trichlorophenol	7.075	196	360002	55.275	ug/ml	98
47)	2-Chloronaphthalene	7.234	162	842323	47.161	ug/ml	94
48)	2-Nitroaniline	7.340	138	291547	60.494	ug/ml	95
49)	1,4-Dinitrobenzene	7.475	168	154943	58.719	ug/ml	86
50)	1,3-Dinitrobenzene	7.551	168	179492	61.169	ug/ml	84
51)	Dimethyl phthalate	7.545	163	1048837	45.773	ug/ml#	96
52)	Acenaphthylene	7.634	152	1330454	45.925	ug/ml#	91
53)	2,6-Dinitrotoluene	7.587	165	242036	57.731	ug/ml	92
54)	1,2-Dinitrobenzene	7.634	168	116525	59.920	ug/ml#	1
64)	3-Nitroaniline	7.745	138	270234	54.676	ug/ml	94
65)	Acenaphthene	7.804	154	791528	46.098	ug/ml	98
66)	2,4-Dinitrophenol	7.840	184	165864	51.241	ug/ml#	84
67)	Dibenzofuran	7.975	168	1244294	42.130	ug/ml	99
68)	2,4-Dinitrotoluene	7.975	165	372499	57.906	ug/ml	87
69)	4-Nitrophenol	7.928	65	216381	58.913	ug/ml	97
70)	2,3,5,6-Tetrachlorophenol	8.057	232	355970	56.683	ug/ml	99
71)	2,3,4,6-Tetrachlorophenol	8.098	232	340583	53.201	ug/ml	99
72)	Diethyl phthalate	8.234	149	1090198	45.478	ug/ml#	92
73)	Fluorene	8.304	166	1051017	45.296	ug/ml	98
74)	4-Chlorophenyl phenyl ...	8.316	204	561573	45.878	ug/ml#	82

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250313RVTical\
 Data File : ABNL9.D
 Acq On : 13 Mar 2025 01:47 pm
 Operator : SV112:ljb
 Sample : IL2,32,,ABNL50 Lot# 11425
 Misc : WG2040627
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Mar 13 20:23:49 2025
 Quant Method : I:\8270\SV112\250313RVTical\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Mar 13 20:22:59 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250313RVTical\ABNL6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75)	4-Nitroaniline	8.340	138	285239	55.376	ug/ml	97
76)	4,6-Dinitro-o-cresol	8.369	198	225748	60.297	ug/ml#	76
77)	NDPA/DPA	8.434	169	914730	47.980	ug/ml	91
78)	Azobenzene	8.469	77	979961	45.721	ug/ml#	93
80)	4-Bromophenyl phenyl e...	8.787	248	383548M3	48.131	ug/ml	
81)	Hexachlorobenzene	8.840	284	439644	46.891	ug/ml#	86
82)	Pentachlorophenol	9.028	266	318604	63.165	ug/ml	99
89)	Phenanthrene	9.222	178	1514000	39.837	ug/ml#	90
90)	Anthracene	9.275	178	1532275	42.004	ug/ml#	88
91)	Carbazole	9.440	167	1475670	43.499	ug/ml#	90
92)	Di-n-butylphthalate	9.816	149	1668345	43.907	ug/ml#	92
93)	Fluoranthene	10.375	202	1832155	41.097	ug/ml#	91
94)	Benzidine	10.522	184	1302336	53.993	ug/ml	95
95)	Pyrene	10.592	202	1875035	40.292	ug/ml#	86
97)	Butyl benzyl phthalate	11.298	149	944385	57.145	ug/ml#	96
105)	Benzo(a)anthracene	11.834	228	2192072	40.793	ug/ml#	85
106)	3,3'-Dichlorobenzidine	11.828	252	1032577	53.550	ug/ml#	94
107)	Chrysene	11.869	228	1890462	36.716	ug/ml#	85
108)	Bis(2-ethylhexyl)phtha...	11.928	149	1357415	50.536	ug/ml#	91
109)	Di-n-octylphthalate	12.610	149	2087414	48.659	ug/ml#	94
110)	Benzo(b)fluoranthene	12.939	252	2204833	42.487	ug/ml#	92
111)	Benzo(k)fluoranthene	12.969	252	2037141M3	39.306	ug/ml	
112)	Benzo(a)pyrene	13.257	252	2090904	42.963	ug/ml#	91
114)	Indeno(1,2,3-cd)pyrene	14.316	276	2611840M6	53.903	ug/mL	
115)	Dibenzo(a,h)anthracene	14.339	278	2251531	47.891	ug/ml	91
116)	Benzo(ghi)perylene	14.586	276	2227008	45.834	ug/ml	93

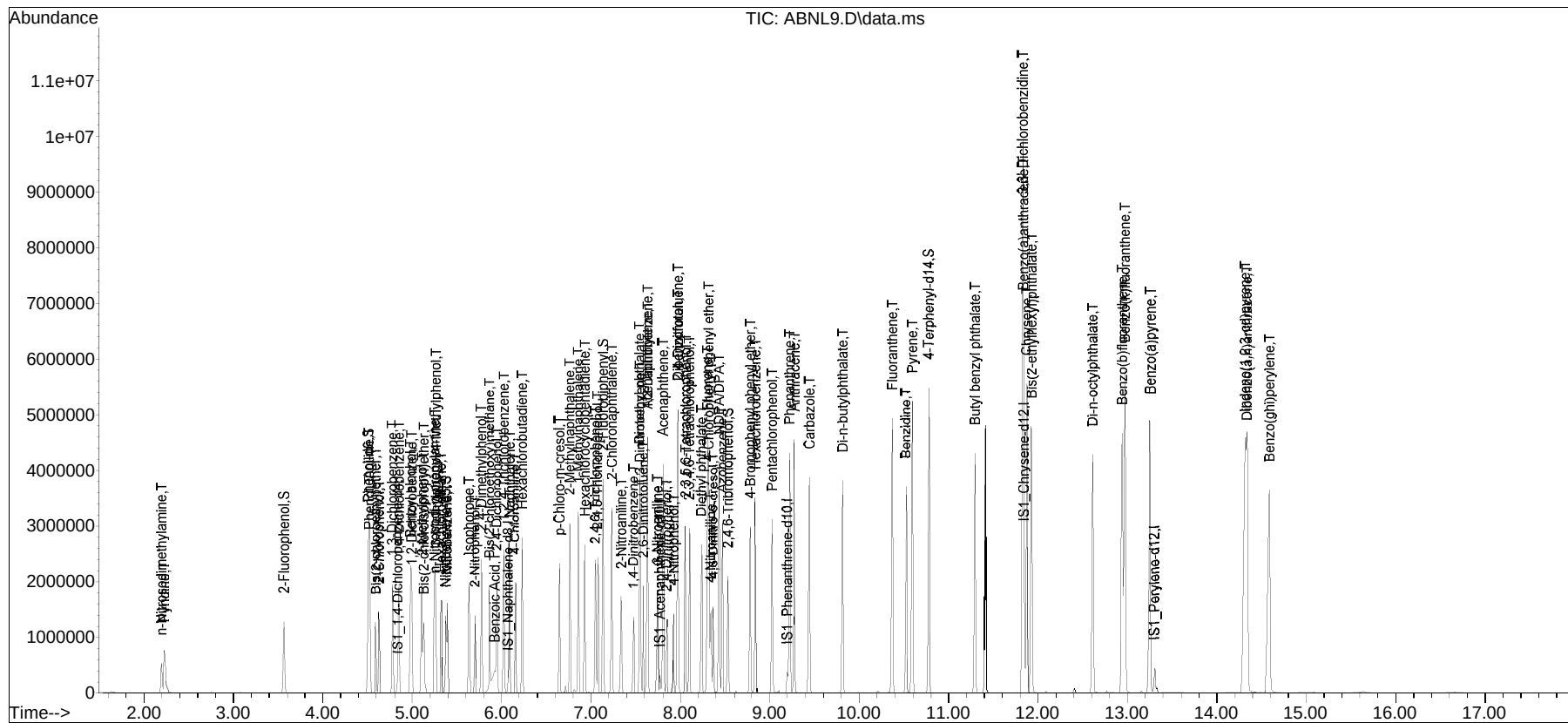
(#) = qualifier out of range (m) = manual integration (+) = signals summed

(QT Reviewed)

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Data Path   : I:\8270\SV112\250313RVTical\
Data File  : ABNL9.D
Acq On     : 13 Mar 2025   01:47 pm
Operator   : SV112:l jg
Sample     : IL2, 32,, ABNL50 Lot# 11425
Misc       : WG2040627
ALS Vial   : 1      Sample Multiplier: 1
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Quant Time: Mar 13 20:23:49 2025
Quant Method : I:\8270\SV112\250313RVTical\FS250313SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 13 20:22:59 2025
Response via : Initial Calibration

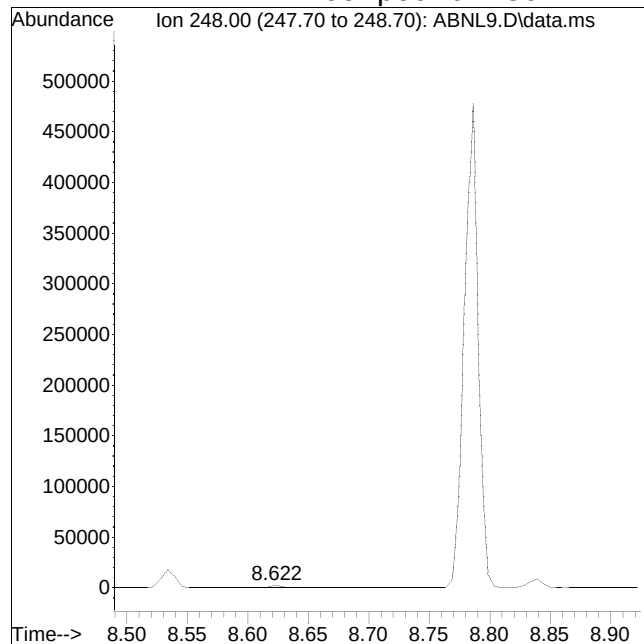
Sub List : ABNical - ABN ical sublistTical\ABNL6.D•



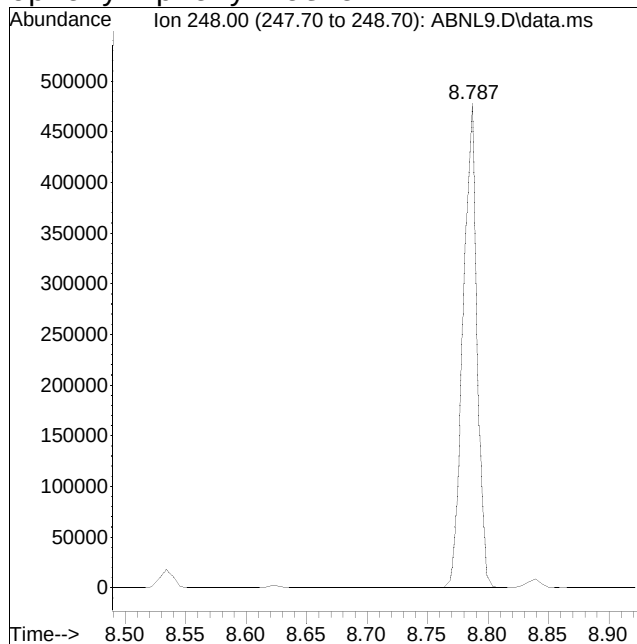
Manual Integration Report

Data Path : I:\8270\SV112\250313RVTicaQMethod : FS250313SV112RVT.m
Data File : ABNL9.D Operator : SV112:ljb
Date Inj'd : 3/13/2025 1:47 pm Instrument : SV112
Sample : IL2,32,,ABNL50 Lot# 11425 Quant Date : 3/13/2025 8:24 pm

Compound #80: 4-Bromophenyl phenyl ether



Original Peak Response = 2119



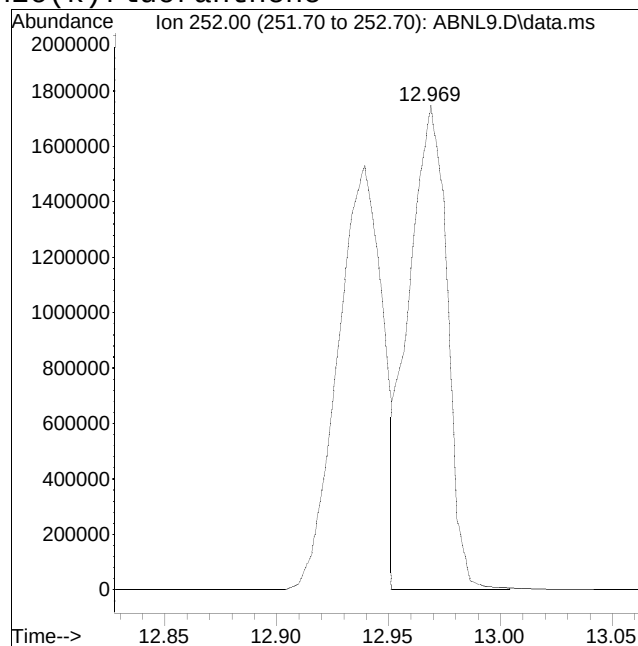
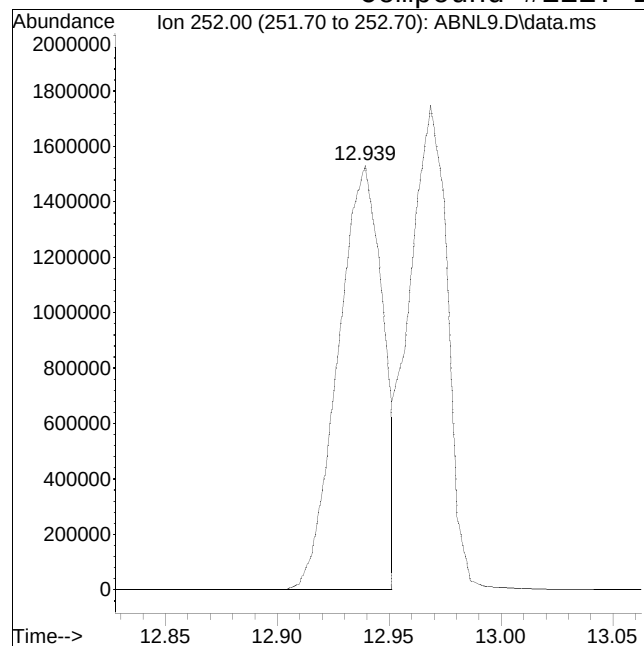
Manual Peak Response = 383548 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250313RVTica01
Data File : ABNL9.D
Date Inj'd : 3/13/2025 1:47 pm
Sample : IL2,32,,ABNL50 Lot# 11425
Method : FS250313SV112RVT.m
Operator : SV112:ljb
Instrument : SV112
Quant Date : 3/13/2025 8:24 pm

Compound #111: Benzo(k)fluoranthene



Original Peak Response = 2204833

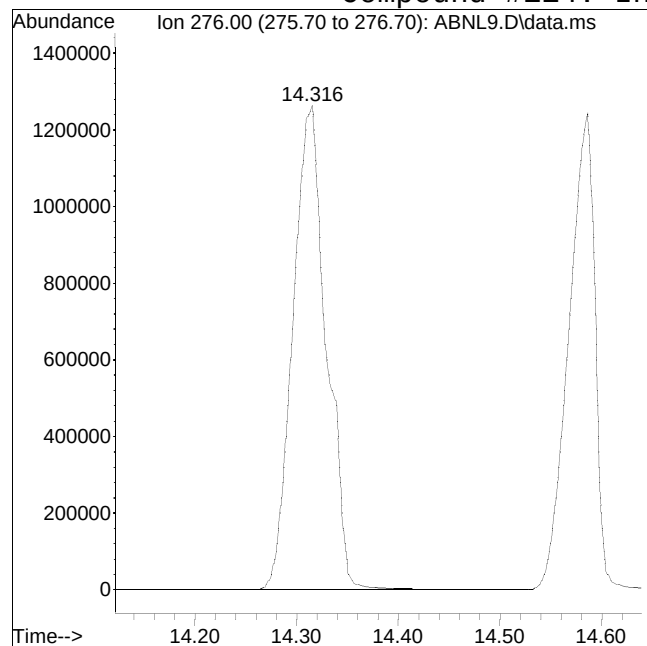
Manual Peak Response = 2037141 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

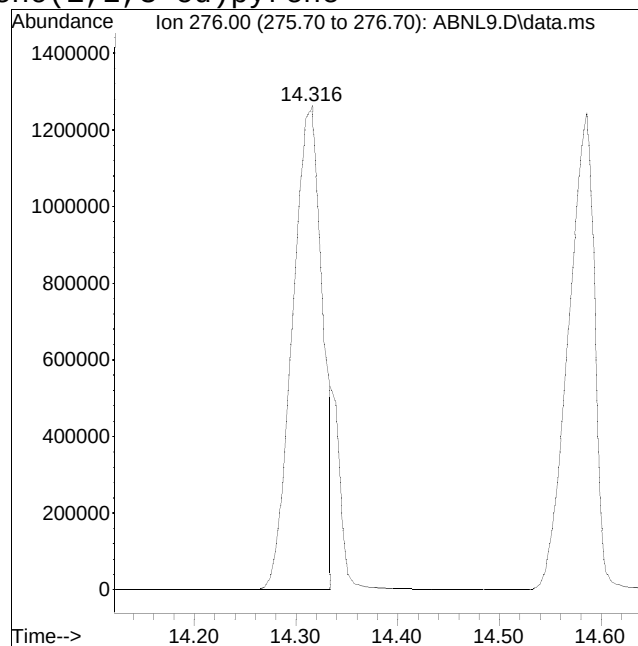
Data Path : I:\8270\SV112\250313RVTica01
Data File : ABNL9.D
Date Inj'd : 3/13/2025 1:47 pm
Sample : IL2,32,,ABNL50 Lot# 11425
Method : FS250313SV112RVT.m
Operator : SV112:ljj
Instrument : SV112
Quant Date : 3/13/2025 8:24 pm

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 2894180

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Peak Response = 2611840 M6

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250313RVTical\
 Data File : ABNL8.D
 Acq On : 13 Mar 2025 02:10 pm
 Operator : SV112:ljl
 Sample : IL3,32,,ABNL25 Lot# 11426
 Misc : WG2040627
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 14 10:51:13 2025
 Quant Method : I:\8270\SV112\250313RVTical\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Mar 13 20:22:59 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250313RVTical\ABNL6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.834	152	24727	4.000	ug/ml	# 0.00
Standard Area 1 = 23356			Recovery =	105.87%		
35) IS1_Naphthalene-d8	6.069	136	97603	4.000	ug/ml	0.00
Standard Area 1 = 87070			Recovery =	112.10%		
63) IS1_Acenaphthene-d10	7.769	164	65328	4.000	ug/ml	0.00
Standard Area 1 = 56356			Recovery =	115.92%		
88) IS1_Phenanthrene-d10	9.198	188	141046	4.000	ug/ml	# 0.00
Standard Area 1 = 122535			Recovery =	115.11%		
104) IS1_Chrysene-d12	11.834	240	165226	4.000	ug/ml	# 0.00
Standard Area 1 = 141005			Recovery =	117.18%		
113) IS1_Perylene-d12	13.298	264	170770	4.000	ug/ml	0.00
Standard Area 1 = 153196			Recovery =	111.47%		
System Monitoring Compounds						
4) 2-Fluorophenol	3.563	112	179015	26.750	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	1337.50%#		
7) Phenol-d6	4.505	99	231601	27.744	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	1387.20%#		
19) Nitrobenzene-d5	5.375	82	217975	27.650	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	2765.00%#		
46) 2-Fluorobiphenyl	7.134	172	535039	23.938	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	2393.80%#		
79) 2,4,6-Tribromophenol	8.534	330	107723	27.322	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	1366.10%#		
96) 4-Terphenyl-d14	10.775	244	882195	23.917	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	2391.70%#		
Target Compounds						
						Qvalue
2) n-Nitrosodimethylamine	2.205	74	119018	27.687	ug/ml	88
3) Pyridine	2.234	79	210981	28.087	ug/ml	91
5) Aniline	4.510	93	310728	28.395	ug/ml#	48
6) 2-Chlorophenol	4.628	128	198193	25.703	ug/ml	98
8) Phenol	4.516	94	266046	27.036	ug/ml#	42
9) Bis(2-chloroethyl)ether	4.593	93	180517	25.341	ug/ml	99
10) 1,3-Dichlorobenzene	4.775	146	224762	24.688	ug/ml	97
11) 1,4-Dichlorobenzene	4.852	146	229765	24.372	ug/ml	96
12) 1,2-Dichlorobenzene	4.999	146	218274	24.140	ug/ml	96
13) Benzyl alcohol	4.981	79	170149	28.311	ug/ml	97
14) Bis(2-chloroisopropyl)...	5.128	45	263689	25.488	ug/ml#	76

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250313RVTical\
 Data File : ABNL8.D
 Acq On : 13 Mar 2025 02:10 pm
 Operator : SV112:ljb
 Sample : IL3,32,,ABNL25 Lot# 11426
 Misc : WG2040627
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 14 10:51:13 2025
 Quant Method : I:\8270\SV112\250313RVTical\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Mar 13 20:22:59 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250313RVTical\ABNL6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15)	2-Methylphenol	5.105	108	179571	27.527	ug/ml	98
16)	Hexachloroethane	5.322	117	89161	25.722	ug/ml#	64
17)	n-Nitrosodi-n-propylamine	5.252	70	153232	27.409	ug/ml	97
18)	3-Methylphenol/4-Methy...	5.263	108	192757	26.674	ug/ml	96
20)	Nitrobenzene	5.393	77	219626	27.291	ug/ml	99
21)	Isophorone	5.628	82	415168	27.926	ug/ml	98
22)	2-Nitrophenol	5.705	139	110910	30.242	ug/ml	97
23)	2,4-Dimethylphenol	5.775	107	213151	27.869	ug/ml	99
24)	Bis(2-chloroethoxy)met...	5.863	93	261719	26.198	ug/ml	99
25)	2,4-Dichlorophenol	5.940	162	202971	28.936	ug/ml	94
26)	1,2,4-Trichlorobenzene	6.022	180	228801	25.712	ug/ml	97
36)	Naphthalene	6.087	128	589903	23.581	ug/ml	97
37)	Benzoic Acid	5.893	105	161524	25.777	ug/ml	100
38)	4-Chloroaniline	6.152	65	84453	27.074	ug/ml	97
39)	Hexachlorobutadiene	6.234	225	151748	23.800	ug/ml	99
40)	p-Chloro-m-cresol	6.640	107	196606	28.085	ug/ml	95
41)	2-Methylnaphthalene	6.763	142	392016	25.169	ug/ml	97
42)	1-Methylnaphthalene	6.857	115	151720	25.504	ug/ml	97
43)	Hexachlorocyclopentadiene	6.934	237	203931	26.554	ug/ml	99
44)	2,4,6-Trichlorophenol	7.046	196	182709	27.734	ug/ml	99
45)	2,4,5-Trichlorophenol	7.075	196	185594M3	27.891	ug/ml	
47)	2-Chloronaphthalene	7.228	162	454749	24.920	ug/ml	94
48)	2-Nitroaniline	7.340	138	152425	30.955	ug/ml	94
49)	1,4-Dinitrobenzene	7.469	168	78908	29.268	ug/ml	87
50)	1,3-Dinitrobenzene	7.546	168	92475	30.845	ug/ml	84
51)	Dimethyl phthalate	7.540	163	586230	25.040	ug/ml	99
52)	Acenaphthylene	7.628	152	745089	25.173	ug/ml	95
53)	2,6-Dinitrotoluene	7.581	165	125836	29.377	ug/ml	93
54)	1,2-Dinitrobenzene	7.628	168	58450	29.418	ug/ml#	1
64)	3-Nitroaniline	7.740	138	140225	27.817	ug/ml	94
65)	Acenaphthene	7.798	154	424333	24.230	ug/ml	97
66)	2,4-Dinitrophenol	7.834	184	84526	25.708	ug/ml#	84
67)	Dibenzofuran	7.969	168	693651	23.028	ug/ml	95
68)	2,4-Dinitrotoluene	7.969	165	186670	28.451	ug/ml	89
69)	4-Nitrophenol	7.916	65	110697	29.550	ug/ml	95
70)	2,3,5,6-Tetrachlorophenol	8.057	232	181633	28.358	ug/ml	99
71)	2,3,4,6-Tetrachlorophenol	8.098	232	177757	27.224	ug/ml	99
72)	Diethyl phthalate	8.228	149	596029	24.378	ug/ml	95
73)	Fluorene	8.298	166	571011	24.129	ug/ml	97
74)	4-Chlorophenyl phenyl ...	8.316	204	296490	23.749	ug/ml#	82

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250313RVTical\
 Data File : ABNL8.D
 Acq On : 13 Mar 2025 02:10 pm
 Operator : SV112:ljb
 Sample : IL3,32,,ABNL25 Lot# 11426
 Misc : WG2040627
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 14 10:51:13 2025
 Quant Method : I:\8270\SV112\250313RVTical\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Mar 13 20:22:59 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250313RVTical\ABNL6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75)	4-Nitroaniline	8.328	138	147393	28.056	ug/ml	96
76)	4,6-Dinitro-o-cresol	8.363	198	114394	29.958	ug/ml#	77
77)	NDPA/DPA	8.428	169	489439	25.171	ug/ml	92
78)	Azobenzene	8.463	77	542491	24.816	ug/ml#	93
80)	4-Bromophenyl phenyl e...	8.781	248	197723M3	24.328	ug/ml	
81)	Hexachlorobenzene	8.834	284	225831	23.616	ug/ml#	86
82)	Pentachlorophenol	9.028	266	159072	30.921	ug/ml	98
89)	Phenanthrene	9.222	178	864516	22.480	ug/ml	95
90)	Anthracene	9.269	178	889005	24.084	ug/ml	96
91)	Carbazole	9.434	167	840599	24.488	ug/ml	95
92)	Di-n-butylphthalate	9.816	149	993482	25.839	ug/ml	97
93)	Fluoranthene	10.369	202	1076544M3	23.864	ug/ml	
94)	Benzidine	10.522	184	710543	29.112	ug/ml#	97
95)	Pyrene	10.587	202	1110888	23.591	ug/ml	94
97)	Butyl benzyl phthalate	11.292	149	487517	29.153	ug/ml#	95
105)	Benzo(a)anthracene	11.828	228	1223473	23.800	ug/ml	94
106)	3,3'-Dichlorobenzidine	11.822	252	517116	28.033	ug/ml#	96
107)	Chrysene	11.863	228	1087516	22.078	ug/ml	94
108)	Bis(2-ethylhexyl)phtha...	11.928	149	733598	28.549	ug/ml#	97
109)	Di-n-octylphthalate	12.604	149	1179184	28.733	ug/ml	98
110)	Benzo(b)fluoranthene	12.934	252	1215625	24.486	ug/ml#	95
111)	Benzo(k)fluoranthene	12.963	252	1144121M3	23.075	ug/ml	
112)	Benzo(a)pyrene	13.245	252	1149074	24.680	ug/ml#	94
114)	Indeno(1,2,3-cd)pyrene	14.304	276	1208954M6	25.842	ug/mL	
115)	Dibenzo(a,h)anthracene	14.322	278	1168764	25.748	ug/ml#	92
116)	Benzo(ghi)perylene	14.569	276	1146813	24.446	ug/ml	93

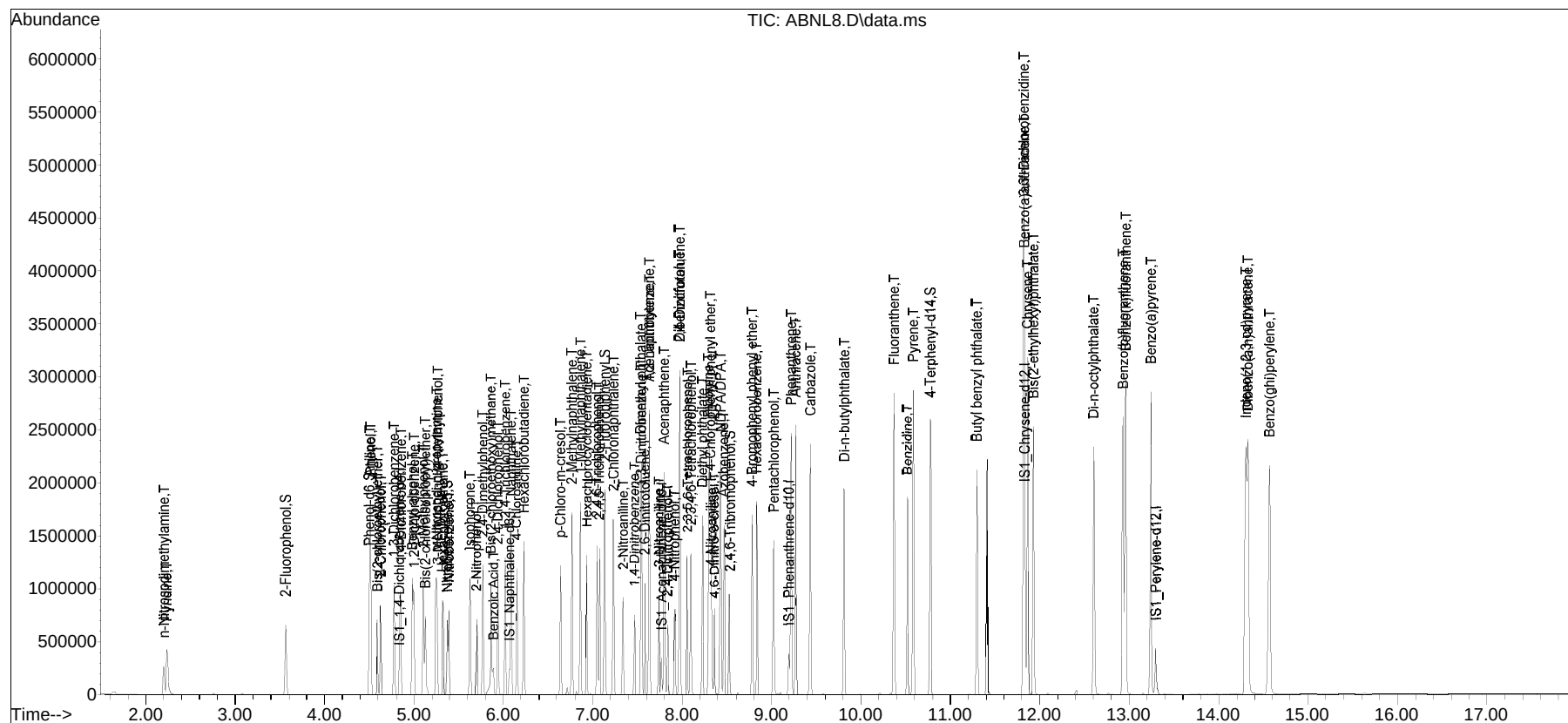
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

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Data Path   : I:\8270\SV112\250313RVTical\  
Data File  : ABNL8.D  
Acq On     : 13 Mar 2025   02:10 pm  
Operator   : SV112:ljl  
Sample     : IL3,32,,ABNL25 Lot# 11426  
Misc       : WG2040627  
ALS Vial   : 2      Sample Multiplier: 1
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Quant Time: Mar 14 10:51:13 2025
Quant Method : I:\8270\SV112\250313RVTical\FS250313SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 13 20:22:59 2025
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublistTical\ABNL6.D•

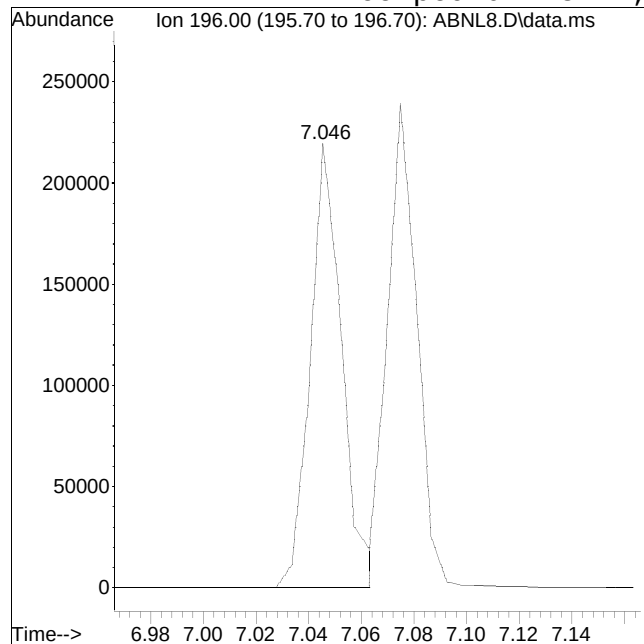


Manual Integration Report

Data Path : I:\8270\SV112\250313RVT\data.ms
Data File : ABNL8.D
Date Inj'd : 3/13/2025 2:10 pm
Sample : IL3,32,,ABNL25 Lot# 11426

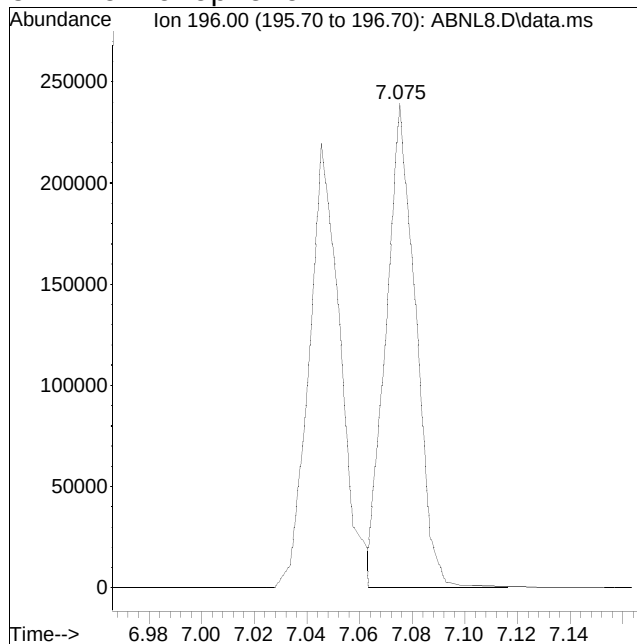
Method : FS250313SV112RVT.m
Operator : SV112:ljj
Instrument : SV112
Quant Date : 3/13/2025 8:24 pm

Compound #45: 2,4,5-Trichlorophenol



Original Peak Response = 182709

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

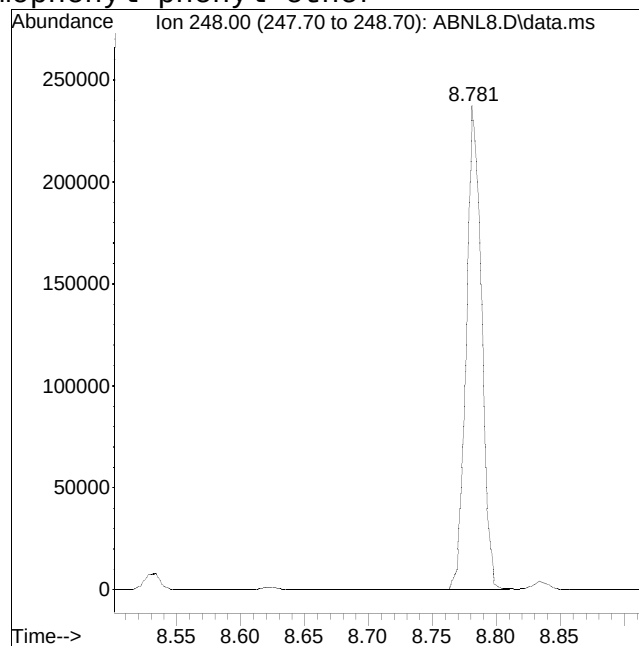
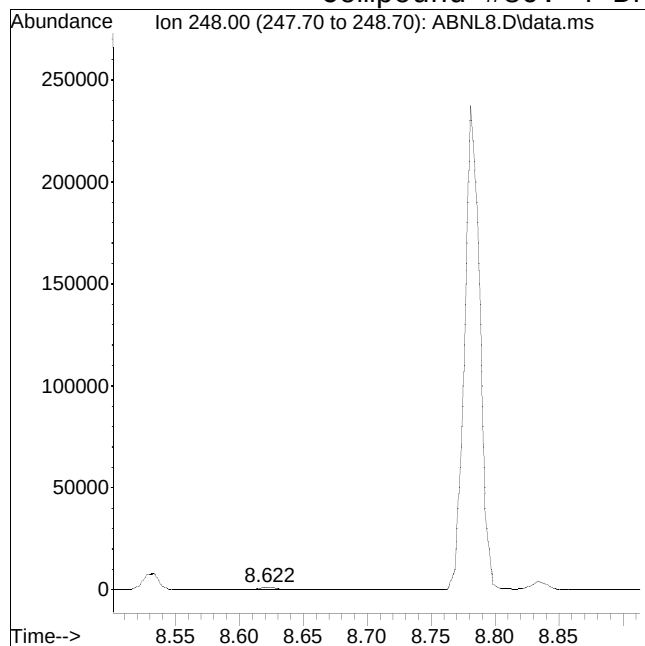


Manual Peak Response = 185594 M3

Manual Integration Report

Data Path : I:\8270\SV112\250313RVTica01
Data File : ABNL8.D
Date Inj'd : 3/13/2025 2:10 pm
Sample : IL3,32,,ABNL25 Lot# 11426
Method : FS250313SV112RVT.m
Operator : SV112:ljj
Instrument : SV112
Quant Date : 3/13/2025 8:24 pm

Compound #80: 4-Bromophenyl phenyl ether



Original Peak Response = 1156

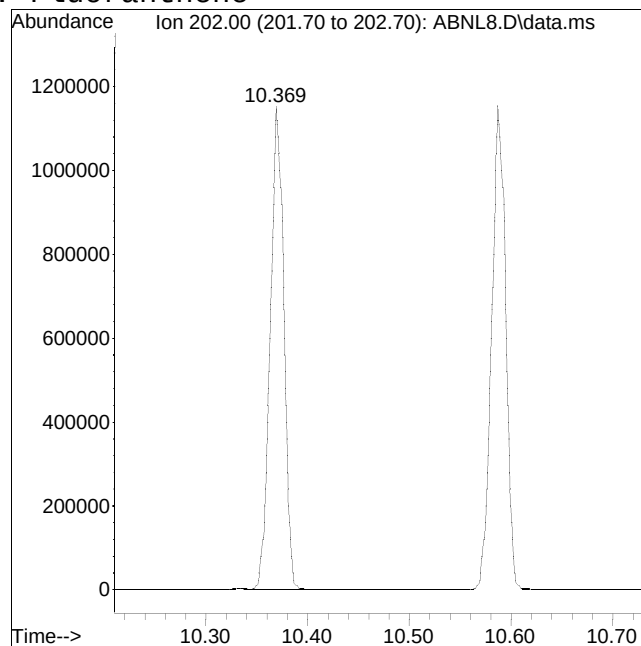
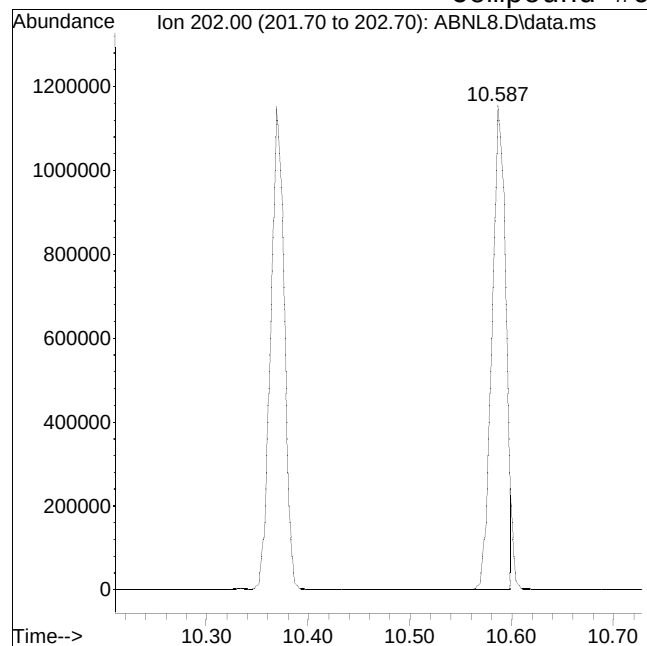
Manual Peak Response = 197723 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250313RVTica01
Data File : ABNL8.D
Date Inj'd : 3/13/2025 2:10 pm
Sample : IL3,32,,ABNL25 Lot# 11426
Method : FS250313SV112RVT.m
Operator : SV112:ljj
Instrument : SV112
Quant Date : 3/13/2025 8:24 pm

Compound #93: Fluoranthene



Original Peak Response = 1101817

Manual Peak Response = 1076544 M3

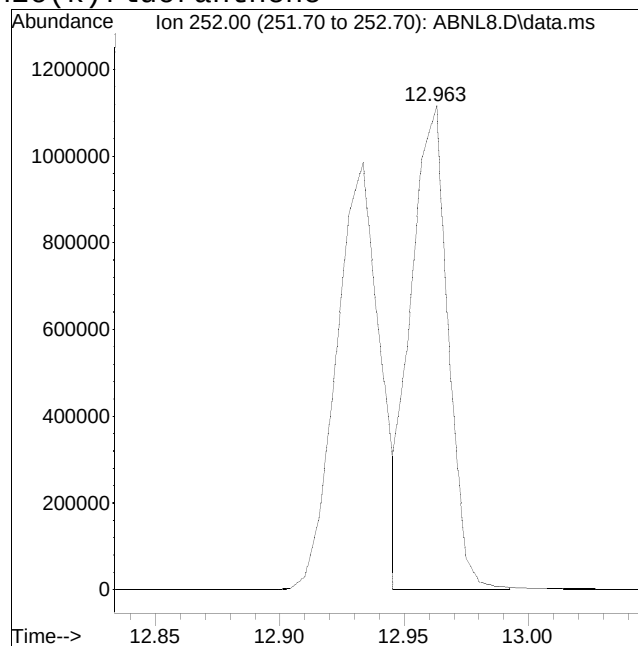
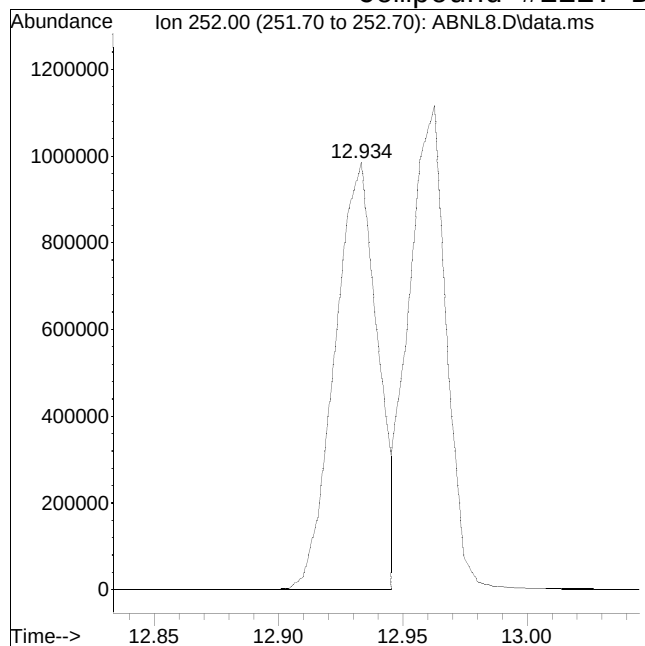
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250313RVTica01
Data File : ABNL8.D
Date Inj'd : 3/13/2025 2:10 pm
Sample : IL3,32,,ABNL25 Lot# 11426

Method : FS250313SV112RVT.m
Operator : SV112:ljj
Instrument : SV112
Quant Date : 3/13/2025 8:24 pm

Compound #111: Benzo(k)fluoranthene



Original Peak Response = 1215625

Manual Peak Response = 1144121 M3

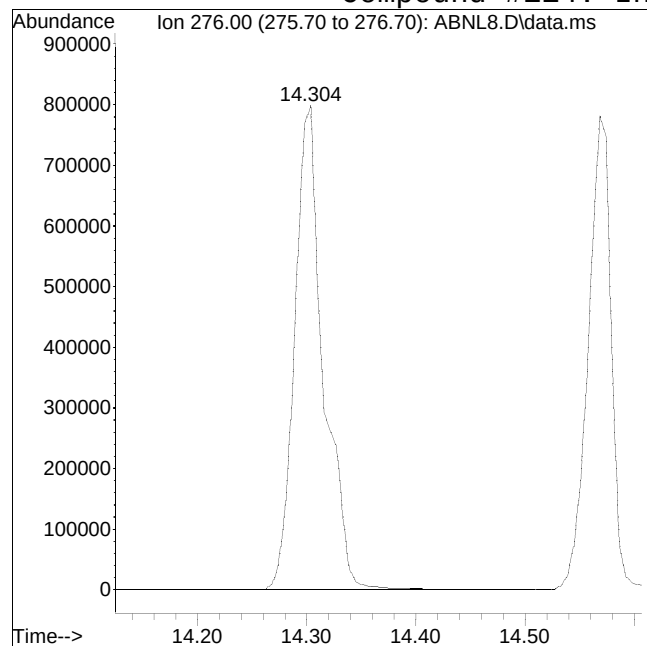
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250313RVTica01
Data File : ABNL8.D
Date Inj'd : 3/13/2025 2:10 pm
Sample : IL3,32,,ABNL25 Lot# 11426

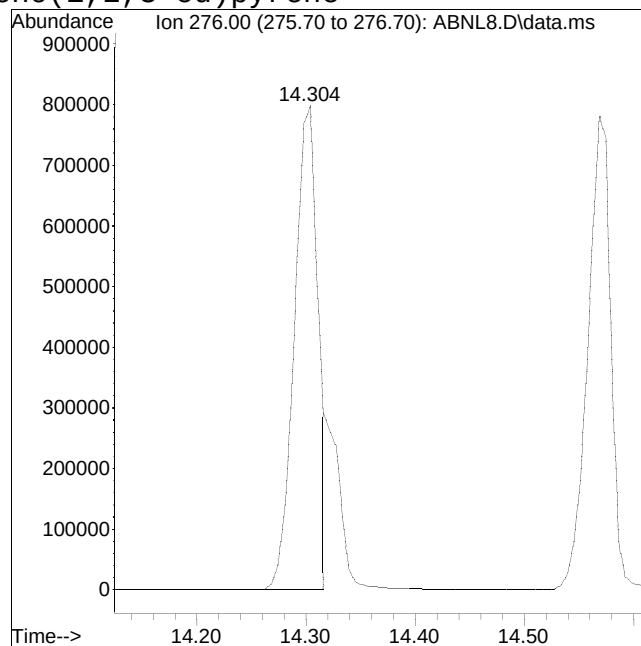
Method : FS250313SV112RVT.m
Operator : SV112:lvg
Instrument : SV112
Quant Date : 3/13/2025 8:24 pm

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 1462319

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Peak Response = 1208954 M6

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250313RVTical\
 Data File : ABNL7.D
 Acq On : 13 Mar 2025 02:32 pm
 Operator : SV112:ljl
 Sample : IL4,32,,ABNL10 Lot# 11427
 Misc : WG2040627
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 14 10:50:26 2025
 Quant Method : I:\8270\SV112\250313RVTical\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Mar 13 20:22:59 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250313RVTical\ABNL6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.834	152	23332	4.000	ug/ml	# 0.00
Standard Area 1 = 23356			Recovery =	99.90%		
35) IS1_Naphthalene-d8	6.063	136	87526	4.000	ug/ml	0.00
Standard Area 1 = 87070			Recovery =	100.52%		
63) IS1_Acenaphthene-d10	7.769	164	56206	4.000	ug/ml	0.00
Standard Area 1 = 56356			Recovery =	99.73%		
88) IS1_Phenanthrene-d10	9.198	188	124185	4.000	ug/ml	# 0.00
Standard Area 1 = 122535			Recovery =	101.35%		
104) IS1_Chrysene-d12	11.834	240	144298	4.000	ug/ml	# 0.00
Standard Area 1 = 141005			Recovery =	102.34%		
113) IS1_Perylene-d12	13.298	264	154754	4.000	ug/ml	0.00
Standard Area 1 = 153196			Recovery =	101.02%		
System Monitoring Compounds						
4) 2-Fluorophenol	3.563	112	63635	10.077	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	503.85%#		
7) Phenol-d6	4.504	99	79736	10.123	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	506.15%#		
19) Nitrobenzene-d5	5.369	82	75678	10.174	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	1017.40%#		
46) 2-Fluorobiphenyl	7.134	172	192675	9.613	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	961.30%#		
79) 2,4,6-Tribromophenol	8.528	330	34847	10.273	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	513.65%#		
96) 4-Terphenyl-d14	10.769	244	314176	9.674	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	967.40%#		
Target Compounds						
						Qvalue
2) n-Nitrosodimethylamine	2.205	74	42432	10.461	ug/ml	89
3) Pyridine	2.240	79	74100	10.454	ug/ml	90
5) Aniline	4.510	93	109588	10.613	ug/ml#	50
6) 2-Chlorophenol	4.628	128	70843	9.737	ug/ml	98
8) Phenol	4.516	94	93438	10.063	ug/ml#	43
9) Bis(2-chloroethyl)ether	4.593	93	65371	9.725	ug/ml	99
10) 1,3-Dichlorobenzene	4.775	146	82899	9.650	ug/ml	97
11) 1,4-Dichlorobenzene	4.846	146	84389	9.487	ug/ml	96
12) 1,2-Dichlorobenzene	4.993	146	79662	9.337	ug/ml	96
13) Benzyl alcohol	4.981	79	56820	10.020	ug/ml	95
14) Bis(2-chloroisopropyl)...	5.128	45	94547	9.685	ug/ml#	81

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250313RVTical\
 Data File : ABNL7.D
 Acq On : 13 Mar 2025 02:32 pm
 Operator : SV112:ljg
 Sample : IL4,32,,ABNL10 Lot# 11427
 Misc : WG2040627
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 14 10:50:26 2025
 Quant Method : I:\8270\SV112\250313RVTical\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Mar 13 20:22:59 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250313RVTical\ABNL6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15)	2-Methylphenol	5.104	108	61757	10.033	ug/ml	98
16)	Hexachloroethane	5.322	117	31728	9.700	ug/ml#	61
17)	n-Nitrosodi-n-propylamine	5.246	70	51999	9.857	ug/ml	96
18)	3-Methylphenol/4-Methy...	5.257	108	66933	9.816	ug/ml	96
20)	Nitrobenzene	5.387	77	76712	10.102	ug/ml	97
21)	Isophorone	5.628	82	143250	10.212	ug/ml	99
22)	2-Nitrophenol	5.704	139	37192	10.747	ug/ml	98
23)	2,4-Dimethylphenol	5.769	107	74529	10.327	ug/ml	98
24)	Bis(2-chloroethoxy)met...	5.857	93	91810	9.740	ug/ml	99
25)	2,4-Dichlorophenol	5.940	162	69395	10.485	ug/ml	94
26)	1,2,4-Trichlorobenzene	6.022	180	79857	9.511	ug/ml	96
36)	Naphthalene	6.087	128	216174	9.636	ug/ml	100
37)	Benzoic Acid	5.851	105	46745	8.719	ug/ml	96
38)	4-Chloroaniline	6.151	65	27940	9.988	ug/ml	96
39)	Hexachlorobutadiene	6.234	225	53339	9.329	ug/ml	99
40)	p-Chloro-m-cresol	6.640	107	65933	10.503	ug/ml	95
41)	2-Methylnaphthalene	6.763	142	134251	9.612	ug/ml	96
42)	1-Methylnaphthalene	6.857	115	52183	9.782	ug/ml	97
43)	Hexachlorocyclopentadiene	6.934	237	68415	9.934	ug/ml	99
44)	2,4,6-Trichlorophenol	7.046	196	58515	9.905	ug/ml	98
45)	2,4,5-Trichlorophenol	7.075	196	65647	11.001	ug/ml	98
47)	2-Chloronaphthalene	7.228	162	157857	9.646	ug/ml	93
48)	2-Nitroaniline	7.334	138	49755	11.268	ug/ml	95
49)	1,4-Dinitrobenzene	7.463	168	25038	10.356	ug/ml	91
50)	1,3-Dinitrobenzene	7.540	168	29216	10.867	ug/ml	89
51)	Dimethyl phthalate	7.534	163	203903	9.712	ug/ml	100
52)	Acenaphthylene	7.628	152	263934	9.944	ug/ml	98
53)	2,6-Dinitrotoluene	7.581	165	42235	10.995	ug/ml	94
54)	1,2-Dinitrobenzene	7.622	168	19061	10.698	ug/ml#	1
64)	3-Nitroaniline	7.734	138	46528	10.728	ug/ml	96
65)	Acenaphthene	7.798	154	144088	9.563	ug/ml	96
66)	2,4-Dinitrophenol	7.834	184	25903	9.292	ug/ml	86
67)	Dibenzofuran	7.969	168	242444	9.355	ug/ml	93
68)	2,4-Dinitrotoluene	7.963	165	61671	10.925	ug/ml	90
69)	4-Nitrophenol	7.910	65	36679	11.380	ug/ml	97
70)	2,3,5,6-Tetrachlorophenol	8.051	232	60381	10.957	ug/ml	99
71)	2,3,4,6-Tetrachlorophenol	8.093	232	60281	10.731	ug/ml	97
72)	Diethyl phthalate	8.222	149	207949	9.886	ug/ml	96
73)	Fluorene	8.298	166	196515	9.652	ug/ml	97
74)	4-Chlorophenyl phenyl ...	8.310	204	101835	9.481	ug/ml#	81

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250313RVTical\
 Data File : ABNL7.D
 Acq On : 13 Mar 2025 02:32 pm
 Operator : SV112:ljl
 Sample : IL4,32,,ABNL10 Lot# 11427
 Misc : WG2040627
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Mar 14 10:50:26 2025
 Quant Method : I:\8270\SV112\250313RVTical\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Mar 13 20:22:59 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250313RVTical\ABNL6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75)	4-Nitroaniline	8.322	138	50431	11.157	ug/ml	97
76)	4,6-Dinitro-o-cresol	8.357	198	36328	11.058	ug/ml#	78
77)	NDPA/DPA	8.428	169	167435	10.008	ug/ml	93
78)	Azobenzene	8.463	77	190413	10.124	ug/ml	93
80)	4-Bromophenyl phenyl e...	8.781	248	66051	9.446	ug/ml#	81
81)	Hexachlorobenzene	8.834	284	78146	9.498	ug/ml#	85
82)	Pentachlorophenol	9.022	266	50158	11.332	ug/ml	100
89)	Phenanthrene	9.216	178	312401	9.226	ug/ml	98
90)	Anthracene	9.269	178	315541	9.709	ug/ml	98
91)	Carbazole	9.434	167	300958	9.958	ug/ml	98
92)	Di-n-butylphthalate	9.810	149	356330	10.526	ug/ml	99
93)	Fluoranthene	10.369	202	391893M3	9.867	ug/ml	
94)	Benzidine	10.516	184	241592	11.242	ug/ml#	97
95)	Pyrene	10.587	202	411606	9.928	ug/ml	98
97)	Butyl benzyl phthalate	11.292	149	157379	10.689	ug/ml#	97
105)	Benzo(a)anthracene	11.822	228	440710	9.816	ug/ml	98
106)	3,3'-Dichlorobenzidine	11.816	252	169376	10.514	ug/ml#	97
107)	Chrysene	11.857	228	405521	9.427	ug/ml	98
108)	Bis(2-ethylhexyl)phtha...	11.928	149	248936	11.093	ug/ml#	100
109)	Di-n-octylphthalate	12.604	149	406311	11.336	ug/ml	100
110)	Benzo(b)fluoranthene	12.928	252	425192	9.807	ug/ml#	96
111)	Benzo(k)fluoranthene	12.957	252	437738M3	10.109	ug/ml	
112)	Benzo(a)pyrene	13.239	252	408170	10.038	ug/ml#	94
114)	Indeno(1,2,3-cd)pyrene	14.292	276	428362M6	10.104	ug/mL	
115)	Dibenzo(a,h)anthracene	14.316	278	416393	10.123	ug/ml#	91
116)	Benzo(ghi)perylene	14.557	276	410682	9.660	ug/ml#	93

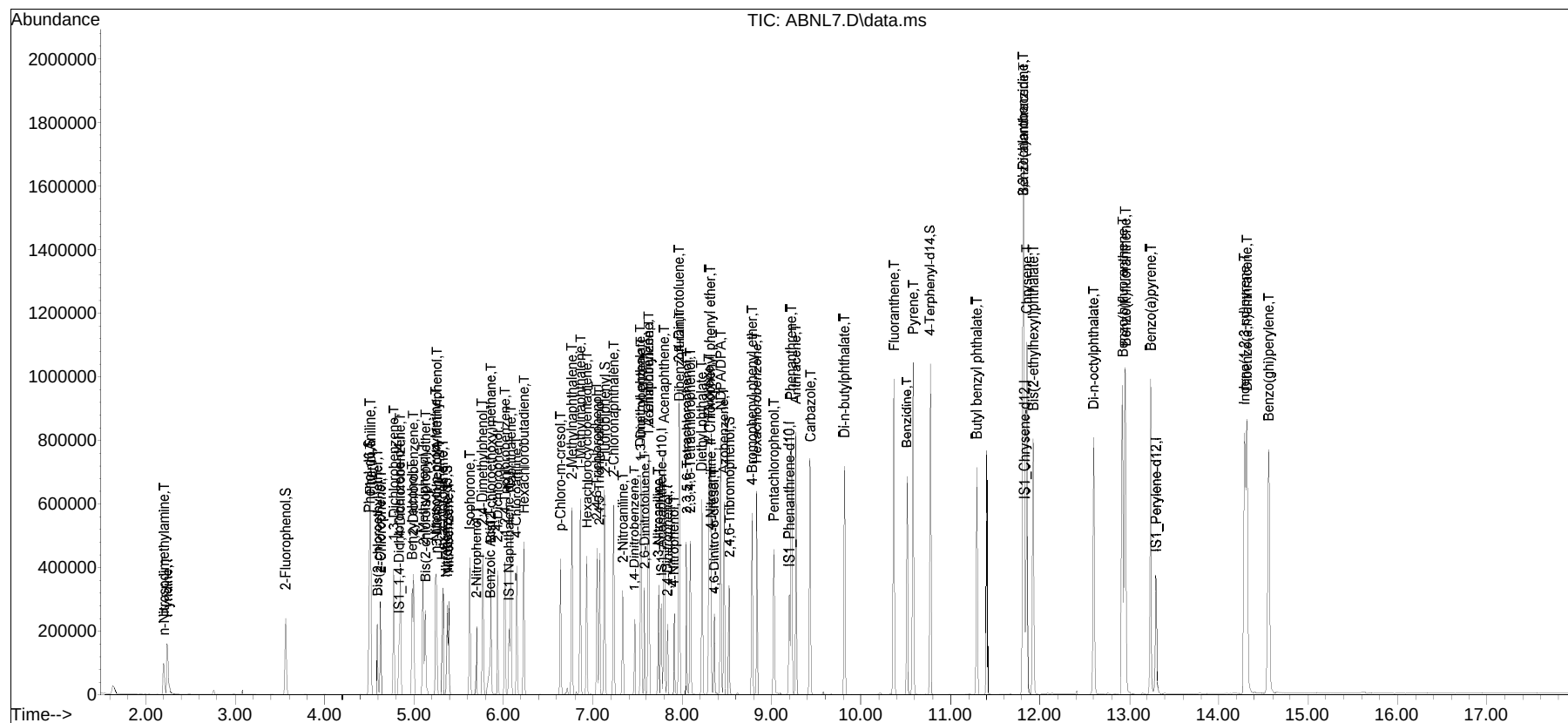
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

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Data Path : I:\8270\SV112\250313RVTical\
Data File : ABNL7.D
Acq On    : 13 Mar 2025  02:32 pm
Operator  : SV112:ljl
Sample    : IL4,32,,ABNL10 Lot# 11427
Misc      : WG2040627
ALS Vial  : 3      Sample Multiplier: 1
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Quant Time: Mar 14 10:50:26 2025
Quant Method : I:\8270\SV112\250313RVTical\FS250313SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 13 20:22:59 2025
Response via : Initial Calibration

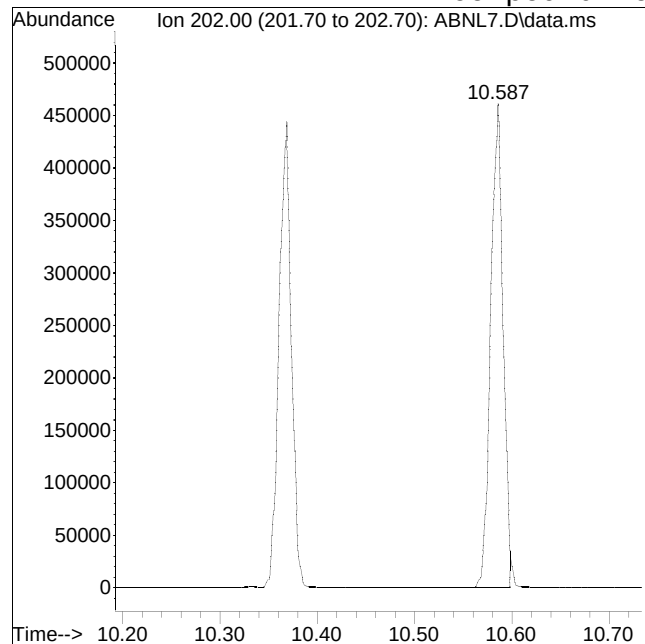
Sub List : ABNical - ABN ical sublistTical\ABNL6.D•



Manual Integration Report

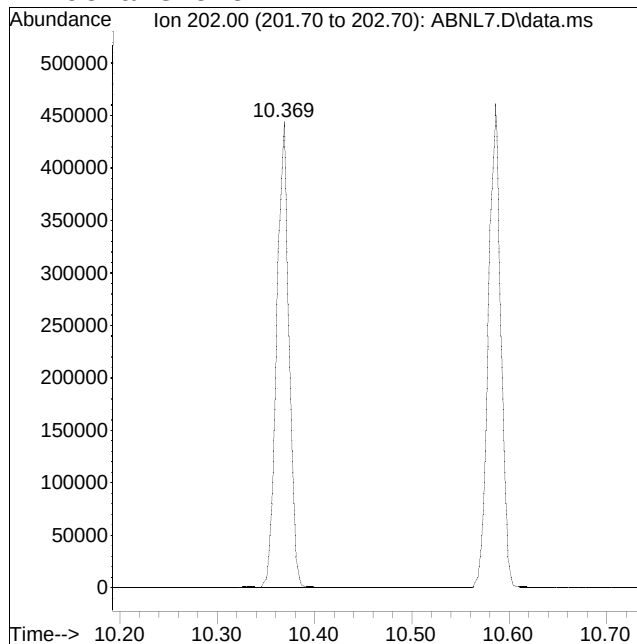
Data Path : I:\8270\SV112\250313RVT\data.ms
Data File : ABNL7.D
Date Inj'd : 3/13/2025 2:32 pm
Sample : IL4,32,,ABNL10 Lot# 11427
Method : FS250313SV112RVT.m
Operator : SV112:ljl
Instrument : SV112
Quant Date : 3/13/2025 8:24 pm

Compound #93: Fluoranthene



Original Peak Response = 409189

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

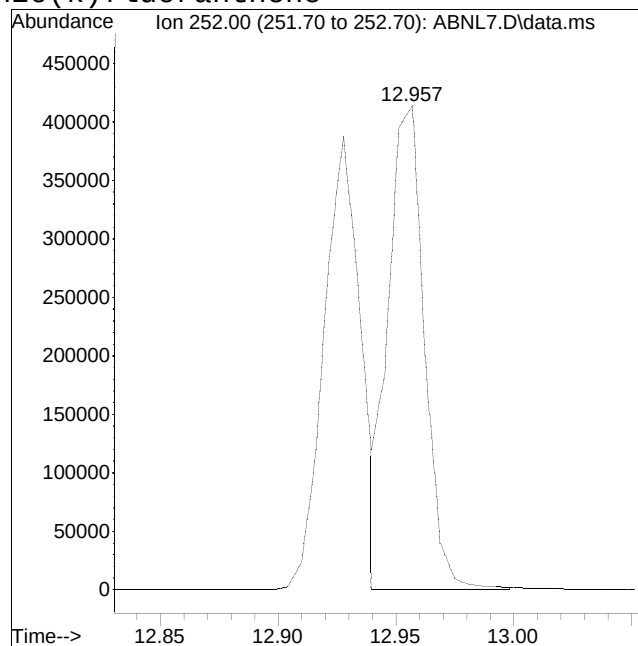
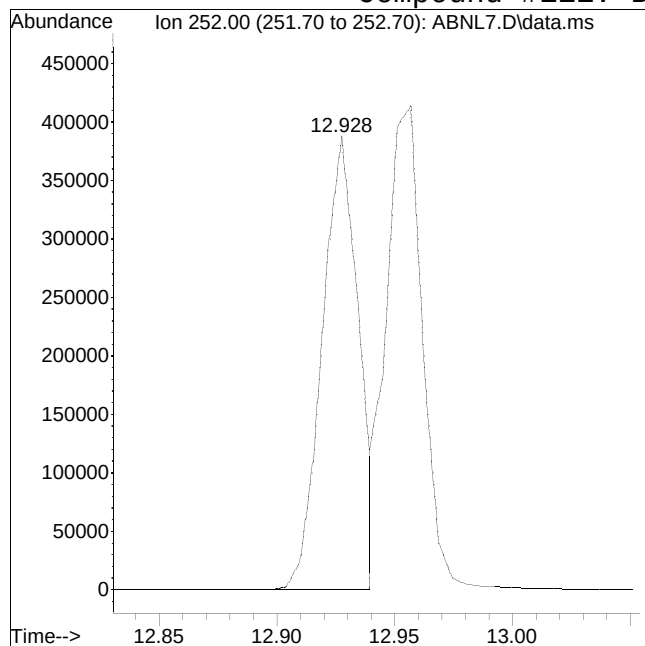


Manual Peak Response = 391893 M3

Manual Integration Report

Data Path : I:\8270\SV112\250313RVTica01
Data File : ABNL7.D
Date Inj'd : 3/13/2025 2:32 pm
Sample : IL4,32,,ABNL10 Lot# 11427
Method : FS250313SV112RVT.m
Operator : SV112:ljb
Instrument : SV112
Quant Date : 3/13/2025 8:24 pm

Compound #111: Benzo(k)fluoranthene



Original Peak Response = 425192

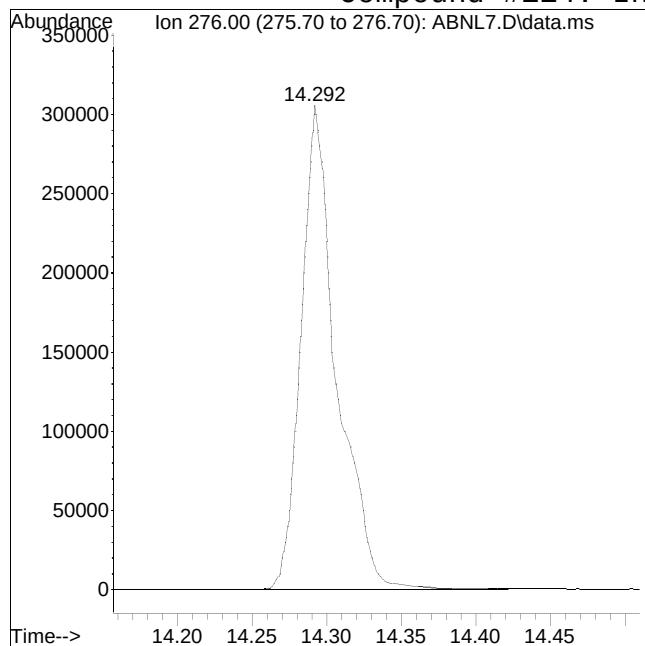
Manual Peak Response = 437738 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

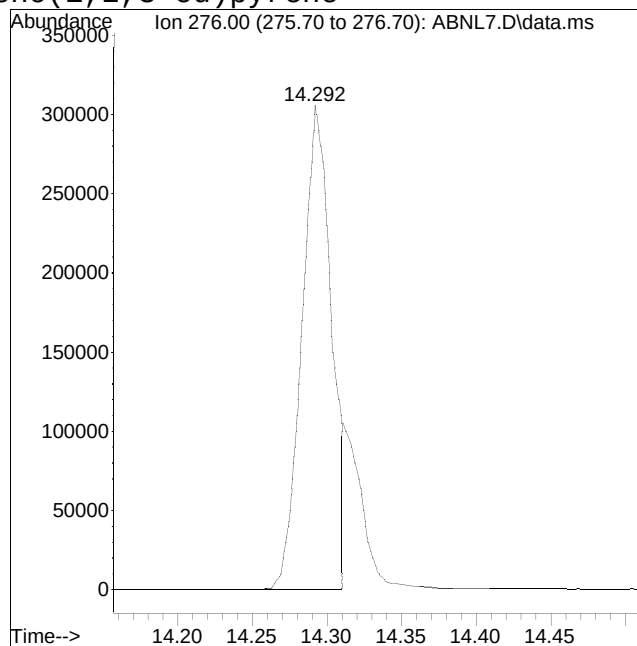
Data Path : I:\8270\SV112\250313RVTical\Method : FS250313SV112RVT.m
Data File : ABNL7.D Operator : SV112:ljj
Date Inj'd : 3/13/2025 2:32 pm Instrument : SV112
Sample : IL4,32,,ABNL10 Lot# 11427 Quant Date : 3/13/2025 8:24 pm

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 509446

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Peak Response = 428362 M6

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250313RVTical\
 Data File : ABNL6.D
 Acq On : 13 Mar 2025 02:55 pm
 Operator : SV112:ljl
 Sample : IL5,32,,ABNL5 Lot# 11428
 Misc : WG2040627
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 14 10:49:55 2025
 Quant Method : I:\8270\SV112\250313RVTical\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Mar 13 20:22:59 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250313RVTical\ABNL6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.834	152	23356	4.000	ug/ml	0.00
Standard Area 1 = 23356			Recovery =	100.00%		
35) IS1_Naphthalene-d8	6.064	136	87070	4.000	ug/ml	0.00
Standard Area 1 = 87070			Recovery =	100.00%		
63) IS1_Acenaphthene-d10	7.769	164	56356	4.000	ug/ml	0.00
Standard Area 1 = 56356			Recovery =	100.00%		
88) IS1_Phenanthrene-d10	9.193	188	122535	4.000	ug/ml	# 0.00
Standard Area 1 = 122535			Recovery =	100.00%		
104) IS1_Chrysene-d12	11.828	240	141005	4.000	ug/ml	# 0.00
Standard Area 1 = 141005			Recovery =	100.00%		
113) IS1_Perylene-d12	13.293	264	153196	4.000	ug/ml	0.00
Standard Area 1 = 153196			Recovery =	100.00%		
System Monitoring Compounds						
4) 2-Fluorophenol	3.564	112	31608	5.000	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	250.00%#		
7) Phenol-d6	4.499	99	39204	4.972	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	248.60%#		
19) Nitrobenzene-d5	5.369	82	37331	5.013	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	501.30%#		
46) 2-Fluorobiphenyl	7.128	172	95860	4.808	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	480.80%#		
79) 2,4,6-Tribromophenol	8.528	330	16132	4.743	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	237.15%#		
96) 4-Terphenyl-d14	10.769	244	157693	4.921	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	492.10%#		
Target Compounds						
						Qvalue
2) n-Nitrosodimethylamine	2.205	74	20800	5.123	ug/ml	87
3) Pyridine	2.240	79	35027	4.937	ug/ml	91
5) Aniline	4.511	93	54627	5.285	ug/ml#	49
6) 2-Chlorophenol	4.628	128	35561	4.883	ug/ml	97
8) Phenol	4.511	94	46283	4.979	ug/ml#	41
9) Bis(2-chloroethyl)ether	4.593	93	33773	5.019	ug/ml	99
10) 1,3-Dichlorobenzene	4.775	146	41249	4.797	ug/ml	97
11) 1,4-Dichlorobenzene	4.846	146	42948	4.823	ug/ml	96
12) 1,2-Dichlorobenzene	4.993	146	40474	4.739	ug/ml	96
13) Benzyl alcohol	4.975	79	27921	4.919	ug/ml	97
14) Bis(2-chloroisopropyl)...	5.128	45	47105	4.820	ug/ml#	80

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250313RVTical\
 Data File : ABNL6.D
 Acq On : 13 Mar 2025 02:55 pm
 Operator : SV112:ljg
 Sample : IL5,32,,ABNL5 Lot# 11428
 Misc : WG2040627
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 14 10:49:55 2025
 Quant Method : I:\8270\SV112\250313RVTical\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Mar 13 20:22:59 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250313RVTical\ABNL6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15)	2-Methylphenol	5.105	108	30930	5.020	ug/ml	97
16)	Hexachloroethane	5.322	117	15650	4.780	ug/ml#	59
17)	n-Nitrosodi-n-propylamine	5.246	70	26086	4.940	ug/ml	93
18)	3-Methylphenol/4-Methy...	5.258	108	32821	4.808	ug/ml	96
20)	Nitrobenzene	5.387	77	37728	4.963	ug/ml	98
21)	Isophorone	5.628	82	70232	5.001	ug/ml	99
22)	2-Nitrophenol	5.705	139	17738	5.120	ug/ml	98
23)	2,4-Dimethylphenol	5.769	107	36106	4.998	ug/ml	98
24)	Bis(2-chloroethoxy)met...	5.858	93	44729	4.740	ug/ml	99
25)	2,4-Dichlorophenol	5.940	162	33510	5.058	ug/ml#	92
26)	1,2,4-Trichlorobenzene	6.016	180	39767	4.731	ug/ml	94
36)	Naphthalene	6.087	128	107551	4.819	ug/ml	99
37)	Benzoic Acid	5.834	105	20922	4.248	ug/ml	98
38)	4-Chloroaniline	6.152	65	14223	5.111	ug/ml	98
39)	Hexachlorobutadiene	6.234	225	27062	4.758	ug/ml	99
40)	p-Chloro-m-cresol	6.640	107	31184	4.994	ug/ml	94
41)	2-Methylnaphthalene	6.763	142	66884	4.814	ug/ml	96
42)	1-Methylnaphthalene	6.858	115	25780	4.858	ug/ml	97
43)	Hexachlorocyclopentadiene	6.934	237	33837	4.939	ug/ml	98
44)	2,4,6-Trichlorophenol	7.046	196	28851	4.909	ug/ml	100
45)	2,4,5-Trichlorophenol	7.075	196	30682	5.169	ug/ml	95
47)	2-Chloronaphthalene	7.228	162	79443	4.880	ug/ml	94
48)	2-Nitroaniline	7.334	138	22659	5.158	ug/ml	98
49)	1,4-Dinitrobenzene	7.463	168	11886	4.942	ug/ml	91
50)	1,3-Dinitrobenzene	7.540	168	13622	5.093	ug/ml	91
51)	Dimethyl phthalate	7.534	163	101509	4.860	ug/ml	99
52)	Acenaphthylene	7.628	152	131993	4.999	ug/ml	98
53)	2,6-Dinitrotoluene	7.575	165	20815	5.447	ug/ml	91
54)	1,2-Dinitrobenzene	7.622	168	8994	5.074	ug/ml#	1
64)	3-Nitroaniline	7.734	138	22062	5.073	ug/ml	97
65)	Acenaphthene	7.799	154	71313	4.720	ug/ml	96
66)	2,4-Dinitrophenol	7.834	184	11815	4.342	ug/ml#	85
67)	Dibenzofuran	7.963	168	122041	4.696	ug/ml	91
68)	2,4-Dinitrotoluene	7.963	165	28891	5.104	ug/ml	92
69)	4-Nitrophenol	7.910	65	17385	5.380	ug/ml	97
70)	2,3,5,6-Tetrachlorophenol	8.052	232	28874	5.226	ug/ml	98
71)	2,3,4,6-Tetrachlorophenol	8.093	232	28456	5.052	ug/ml	98
72)	Diethyl phthalate	8.222	149	102294	4.850	ug/ml	97
73)	Fluorene	8.299	166	97297	4.766	ug/ml	97
74)	4-Chlorophenyl phenyl ...	8.310	204	50109	4.653	ug/ml#	82

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250313RVTical\
 Data File : ABNL6.D
 Acq On : 13 Mar 2025 02:55 pm
 Operator : SV112:ljb
 Sample : IL5,32,,ABNL5 Lot# 11428
 Misc : WG2040627
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 14 10:49:55 2025
 Quant Method : I:\8270\SV112\250313RVTical\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Mar 13 20:22:59 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250313RVTical\ABNL6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75)	4-Nitroaniline	8.316	138	23432	5.170	ug/ml	99
76)	4,6-Dinitro-o-cresol	8.352	198	17019	5.166	ug/ml#	78
77)	NDPA/DPA	8.428	169	82995	4.948	ug/ml	95
78)	Azobenzene	8.463	77	94814	5.028	ug/ml	94
80)	4-Bromophenyl phenyl e...	8.781	248	32381	4.618	ug/ml#	82
81)	Hexachlorobenzene	8.834	284	37461	4.541	ug/ml#	86
82)	Pentachlorophenol	9.022	266	23470	5.288	ug/ml	95
89)	Phenanthrene	9.216	178	154934	4.637	ug/ml	99
90)	Anthracene	9.263	178	156847	4.891	ug/ml	98
91)	Carbazole	9.428	167	147228	4.937	ug/ml	98
92)	Di-n-butylphthalate	9.810	149	170560	5.106	ug/ml	100
93)	Fluoranthene	10.369	202	192175M3	4.904	ug/ml	
94)	Benzidine	10.516	184	112655	5.313	ug/ml#	97
95)	Pyrene	10.581	202	205646	5.027	ug/ml	99
97)	Butyl benzyl phthalate	11.293	149	71214	4.902	ug/ml	97
105)	Benzo(a)anthracene	11.822	228	213926	4.876	ug/ml	98
106)	3,3'-Dichlorobenzidine	11.816	252	80229	5.096	ug/ml#	97
107)	Chrysene	11.857	228	201101	4.784	ug/ml	99
108)	Bis(2-ethylhexyl)phtha...	11.928	149	115659	5.274	ug/ml#	99
109)	Di-n-octylphthalate	12.604	149	186266	5.318	ug/ml	100
110)	Benzo(b)fluoranthene	12.922	252	226809	5.353	ug/ml#	95
111)	Benzo(k)fluoranthene	12.951	252	201924M3	4.772	ug/ml	
112)	Benzo(a)pyrene	13.240	252	200610	5.049	ug/ml#	95
114)	Indeno(1,2,3-cd)pyrene	14.292	276	196970M6	4.693	ug/mL	
115)	Dibenzo(a,h)anthracene	14.316	278	202217	4.966	ug/ml#	92
116)	Benzo(ghi)perylene	14.557	276	202057	4.801	ug/ml#	92

(#) = qualifier out of range (m) = manual integration (+) = signals summed

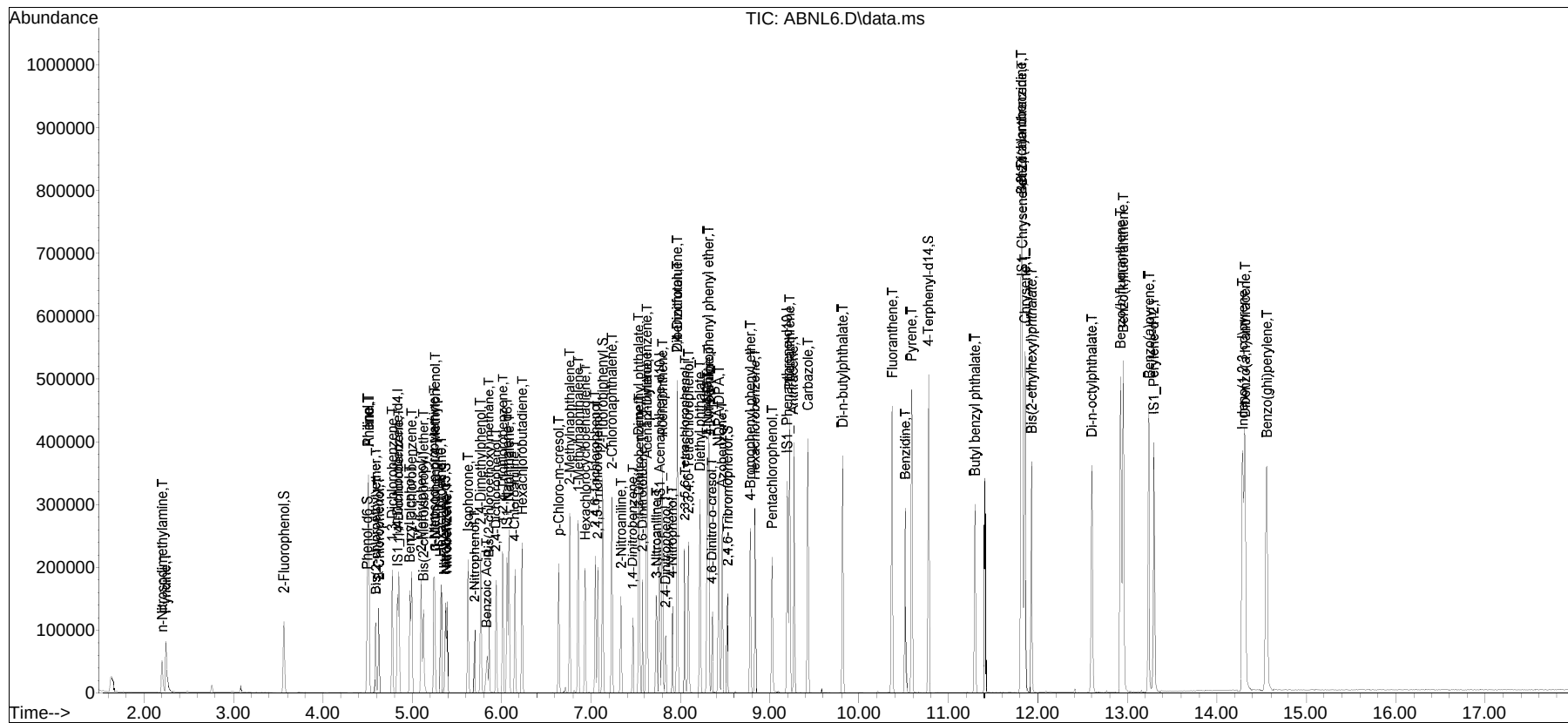
Quantitation Report

(QT Reviewed)

Data Path : I:\8270\SV112\250313RVTical\
Data File : ABNL6.D
Acq On : 13 Mar 2025 02:55 pm
Operator : SV112:ljl
Sample : IL5,32,,ABNL5 Lot# 11428
Misc : WG2040627
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Mar 14 10:49:55 2025
Quant Method : I:\8270\SV112\250313RVTical\FS250313SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 13 20:22:59 2025
Response via : Initial Calibration

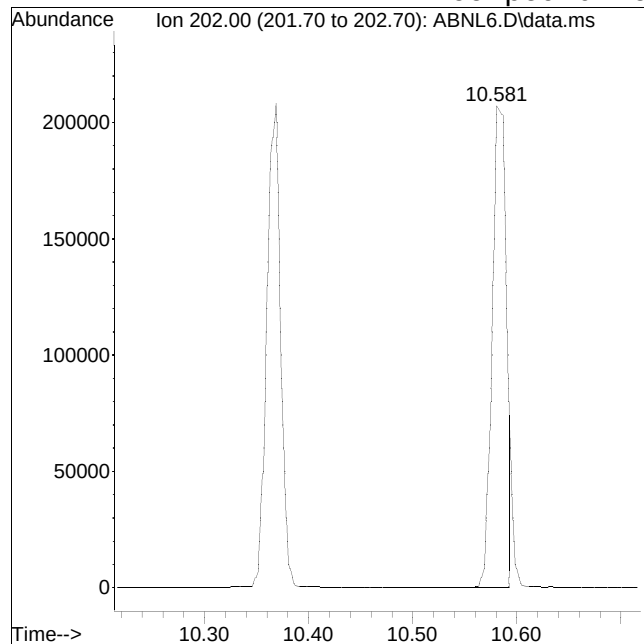
Sub List : ABNical - ABN ical sublistTical\ABNL6.D•



Manual Integration Report

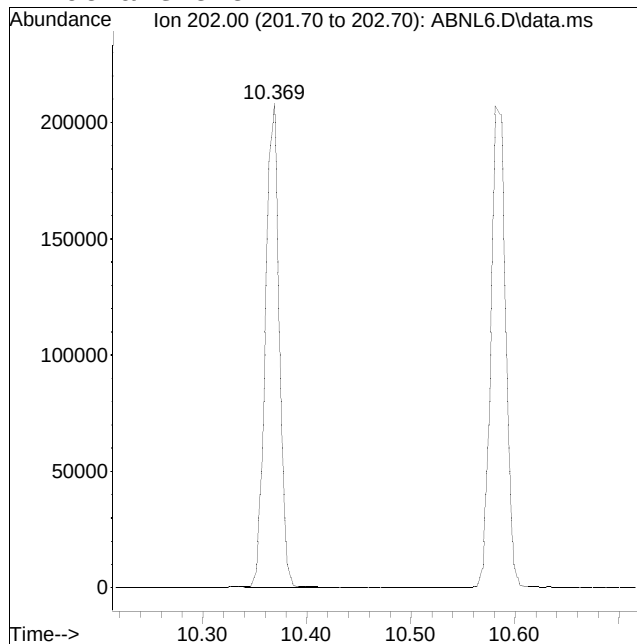
Data Path : I:\8270\SV112\250313RVT\data.ms
Data File : ABNL6.D
Date Inj'd : 3/13/2025 2:55 pm
Sample : IL5,32,,ABNL5 Lot# 11428
Method : FS250313SV112RVT.m
Operator : SV112:ljl
Instrument : SV112
Quant Date : 3/13/2025 8:24 pm

Compound #93: Fluoranthene



Original Peak Response = 200841

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

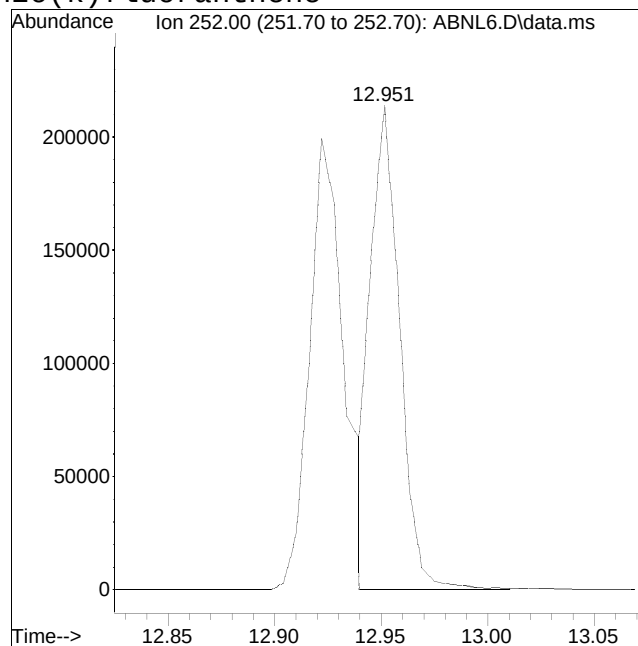
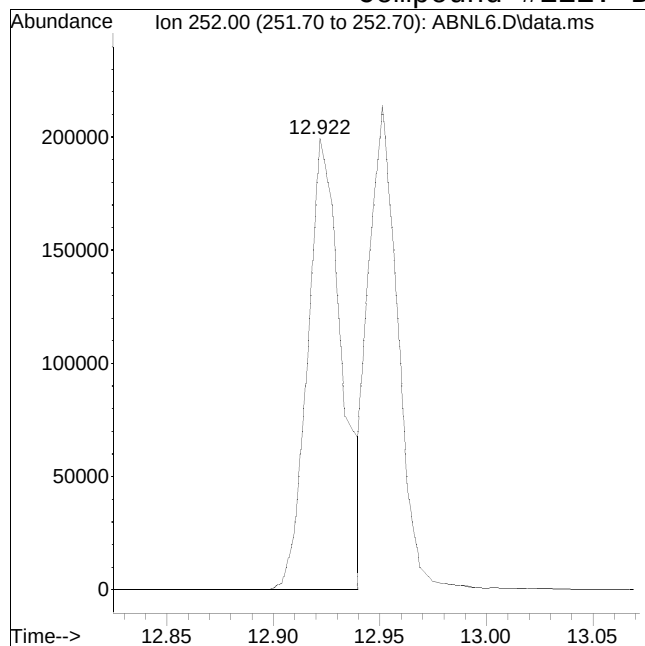


Manual Peak Response = 192175 M3

Manual Integration Report

Data Path : I:\8270\SV112\250313RVTica01
Data File : ABNL6.D
Date Inj'd : 3/13/2025 2:55 pm
Sample : IL5,32,,ABNL5 Lot# 11428
Method : FS250313SV112RVT.m
Operator : SV112:ljb
Instrument : SV112
Quant Date : 3/13/2025 8:24 pm

Compound #111: Benzo(k)fluoranthene



Original Peak Response = 226809

Manual Peak Response = 201924 M3

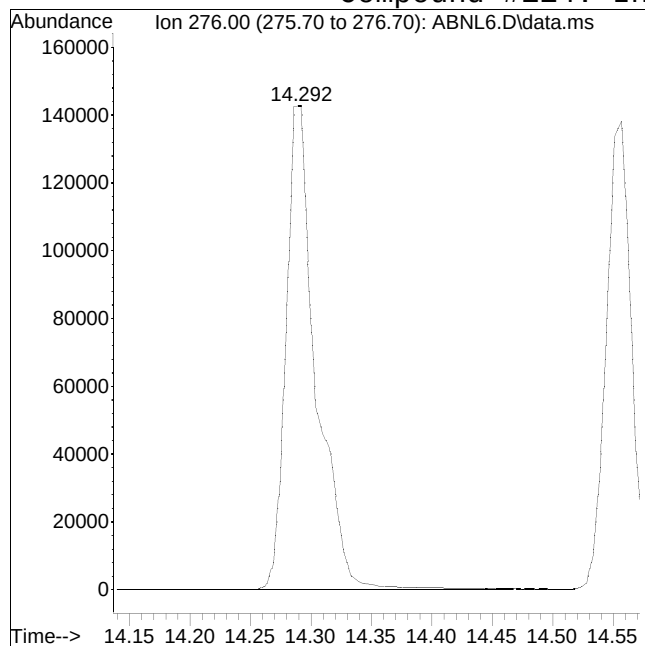
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250313RVTica01
Data File : ABNL6.D
Date Inj'd : 3/13/2025 2:55 pm
Sample : IL5,32,,ABNL5 Lot# 11428

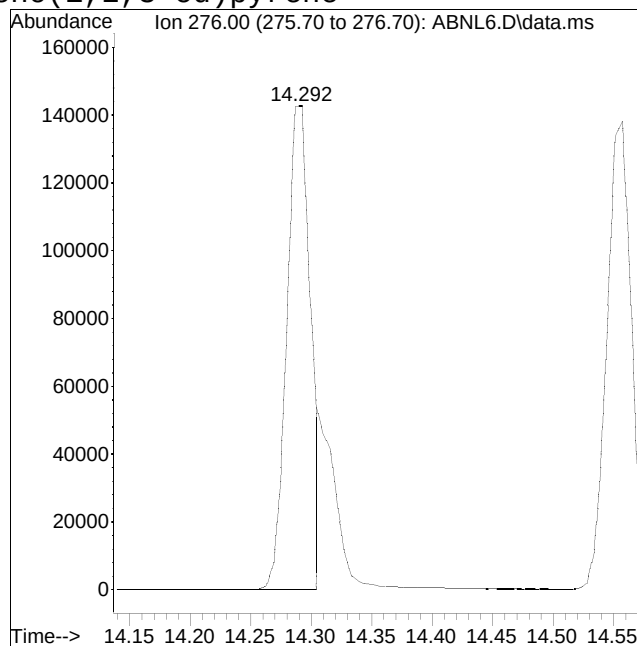
Method : FS250313SV112RVT.m
Operator : SV112:ljj
Instrument : SV112
Quant Date : 3/13/2025 8:24 pm

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 247168

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Peak Response = 196970 M6

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250313RVTical\
 Data File : ABNL5.D
 Acq On : 13 Mar 2025 03:18 pm
 Operator : SV112:ljl
 Sample : IL6,32,,ABNL2.5 Lot# 11429
 Misc : WG2040627
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 14 10:49:22 2025
 Quant Method : I:\8270\SV112\250313RVTical\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Mar 13 20:22:59 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250313RVTical\ABNL6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.834	152	23421	4.000	ug/ml	0.00
Standard Area 1 = 23356			Recovery =	100.28%		
35) IS1_Naphthalene-d8	6.063	136	87040	4.000	ug/ml	0.00
Standard Area 1 = 87070			Recovery =	99.97%		
63) IS1_Acenaphthene-d10	7.769	164	56079	4.000	ug/ml	0.00
Standard Area 1 = 56356			Recovery =	99.51%		
88) IS1_Phenanthrene-d10	9.193	188	120240	4.000	ug/ml	# 0.00
Standard Area 1 = 122535			Recovery =	98.13%		
104) IS1_Chrysene-d12	11.828	240	140263	4.000	ug/ml	# 0.00
Standard Area 1 = 141005			Recovery =	99.47%		
113) IS1_Perylene-d12	13.292	264	150576	4.000	ug/ml	0.00
Standard Area 1 = 153196			Recovery =	98.29%		
System Monitoring Compounds						
4) 2-Fluorophenol	3.563	112	14435	2.277	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	113.85%#		
7) Phenol-d6	4.499	99	17399	2.200	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	110.00%#		
19) Nitrobenzene-d5	5.369	82	16555	2.217	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	221.70%#		
46) 2-Fluorobiphenyl	7.128	172	44699	2.243	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	224.30%#		
79) 2,4,6-Tribromophenol	8.528	330	7415	2.191	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	109.55%		
96) 4-Terphenyl-d14	10.769	244	71746	2.282	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	228.20%#		
Target Compounds						
						Qvalue
2) n-Nitrosodimethylamine	2.205	74	10037	2.465	ug/ml#	90
3) Pyridine	2.246	79	17885M1	2.514	ug/ml	
5) Aniline	4.511	93	23860	2.302	ug/ml#	44
6) 2-Chlorophenol	4.628	128	15906	2.178	ug/ml	99
8) Phenol	4.511	94	20697	2.221	ug/ml#	39
9) Bis(2-chloroethyl)ether	4.593	93	15339	2.273	ug/ml	99
10) 1,3-Dichlorobenzene	4.775	146	19676	2.282	ug/ml	96
11) 1,4-Dichlorobenzene	4.846	146	19605	2.196	ug/ml	96
12) 1,2-Dichlorobenzene	4.993	146	19120	2.233	ug/ml	95
13) Benzyl alcohol	4.975	79	12658	2.224	ug/ml	97
14) Bis(2-chloroisopropyl)...	5.128	45	21224	2.166	ug/ml#	78

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250313RVTical\
 Data File : ABNL5.D
 Acq On : 13 Mar 2025 03:18 pm
 Operator : SV112:ljg
 Sample : IL6,32,,ABNL2.5 Lot# 11429
 Misc : WG2040627
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 14 10:49:22 2025
 Quant Method : I:\8270\SV112\250313RVTical\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Mar 13 20:22:59 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250313RVTical\ABNL6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15)	2-Methylphenol	5.105	108	13479	2.181	ug/ml	93
16)	Hexachloroethane	5.322	117	7312	2.227	ug/ml#	60
17)	n-Nitrosodi-n-propylamine	5.246	70	11354	2.144	ug/ml	95
18)	3-Methylphenol/4-Methy...	5.258	108	14886	2.175	ug/ml	96
20)	Nitrobenzene	5.387	77	17217	2.259	ug/ml	97
21)	Isophorone	5.628	82	31696	2.251	ug/ml	100
22)	2-Nitrophenol	5.705	139	8008	2.305	ug/ml	97
23)	2,4-Dimethylphenol	5.769	107	16342	2.256	ug/ml	99
24)	Bis(2-chloroethoxy)met...	5.857	93	20847	2.203	ug/ml	98
25)	2,4-Dichlorophenol	5.940	162	15231	2.292	ug/ml#	94
26)	1,2,4-Trichlorobenzene	6.016	180	19140	2.271	ug/ml	96
36)	Naphthalene	6.087	128	50463	2.262	ug/ml	99
37)	Benzoic Acid	5.822	105	7554	1.912	ug/ml	96
38)	4-Chloroaniline	6.152	65	6526	2.346	ug/ml	94
39)	Hexachlorobutadiene	6.234	225	12685	2.231	ug/ml	97
40)	p-Chloro-m-cresol	6.640	107	14009	2.244	ug/ml	98
41)	2-Methylnaphthalene	6.763	142	30603	2.203	ug/ml	96
42)	1-Methylnaphthalene	6.857	115	11634	2.193	ug/ml	95
43)	Hexachlorocyclopentadiene	6.934	237	15067	2.200	ug/ml	100
44)	2,4,6-Trichlorophenol	7.046	196	12421	2.114	ug/ml	99
45)	2,4,5-Trichlorophenol	7.075	196	13594	2.291	ug/ml	97
47)	2-Chloronaphthalene	7.228	162	37045	2.276	ug/ml	93
48)	2-Nitroaniline	7.334	138	10222	2.328	ug/ml	94
49)	1,4-Dinitrobenzene	7.463	168	4721	1.964	ug/ml	99
50)	1,3-Dinitrobenzene	7.540	168	5625	2.104	ug/ml	94
51)	Dimethyl phthalate	7.534	163	45579	2.183	ug/ml	100
52)	Acenaphthylene	7.628	152	59719	2.262	ug/ml	99
53)	2,6-Dinitrotoluene	7.575	165	8691	2.275	ug/ml	96
54)	1,2-Dinitrobenzene	7.616	168	3933	2.220	ug/ml#	1
64)	3-Nitroaniline	7.734	138	9460	2.186	ug/ml	97
65)	Acenaphthene	7.799	154	33180	2.207	ug/ml	96
66)	2,4-Dinitrophenol	7.834	184	4919	1.939	ug/ml#	86
67)	Dibenzofuran	7.963	168	56550	2.187	ug/ml	92
68)	2,4-Dinitrotoluene	7.963	165	12564	2.231	ug/ml	91
69)	4-Nitrophenol	7.910	65	7756	2.412	ug/ml	96
70)	2,3,5,6-Tetrachlorophenol	8.051	232	12734	2.316	ug/ml	98
71)	2,3,4,6-Tetrachlorophenol	8.093	232	12508	2.232	ug/ml	98
72)	Diethyl phthalate	8.222	149	46209	2.202	ug/ml	96
73)	Fluorene	8.299	166	43846	2.158	ug/ml	96
74)	4-Chlorophenyl phenyl ...	8.310	204	23365	2.180	ug/ml#	81

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250313RVTical\
 Data File : ABNL5.D
 Acq On : 13 Mar 2025 03:18 pm
 Operator : SV112:ljj
 Sample : IL6,32,,ABNL2.5 Lot# 11429
 Misc : WG2040627
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Mar 14 10:49:22 2025
 Quant Method : I:\8270\SV112\250313RVTical\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Mar 13 20:22:59 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250313RVTical\ABNL6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75)	4-Nitroaniline	8.316	138	10393	2.305	ug/ml	96
76)	4,6-Dinitro-o-cresol	8.351	198	7439	2.269	ug/ml#	77
77)	NDPA/DPA	8.428	169	38382	2.299	ug/ml	95
78)	Azobenzene	8.463	77	42550	2.267	ug/ml	94
80)	4-Bromophenyl phenyl e...	8.781	248	14757	2.115	ug/ml#	82
81)	Hexachlorobenzene	8.834	284	17796	2.168	ug/ml#	86
82)	Pentachlorophenol	9.022	266	9658	2.187	ug/ml	99
89)	Phenanthrene	9.216	178	72358	2.207	ug/ml	100
90)	Anthracene	9.263	178	71912	2.285	ug/ml	99
91)	Carbazole	9.428	167	66982	2.289	ug/ml	98
92)	Di-n-butylphthalate	9.810	149	75700	2.310	ug/ml	99
93)	Fluoranthene	10.369	202	87422M3	2.273	ug/ml	
94)	Benzidine	10.516	184	46522	2.236	ug/ml#	97
95)	Pyrene	10.587	202	94335	2.350	ug/ml	100
97)	Butyl benzyl phthalate	11.292	149	31175	2.187	ug/ml	96
105)	Benzo(a)anthracene	11.822	228	96284	2.206	ug/ml	99
106)	3,3'-Dichlorobenzidine	11.816	252	34164	2.182	ug/ml#	97
107)	Chrysene	11.857	228	93937	2.246	ug/ml	100
108)	Bis(2-ethylhexyl)phtha...	11.928	149	48917	2.242	ug/ml#	100
109)	Di-n-octylphthalate	12.604	149	77151	2.214	ug/ml	100
110)	Benzo(b)fluoranthene	12.922	252	101027	2.397	ug/ml#	95
111)	Benzo(k)fluoranthene	12.951	252	90963M3	2.161	ug/ml	
112)	Benzo(a)pyrene	13.239	252	89884	2.274	ug/ml#	95
114)	Indeno(1,2,3-cd)pyrene	14.286	276	88706M6	2.150	ug/mL	
115)	Dibenzo(a,h)anthracene	14.310	278	89579	2.238	ug/ml#	92
116)	Benzo(ghi)perylene	14.551	276	92122	2.227	ug/ml#	93

(#) = qualifier out of range (m) = manual integration (+) = signals summed

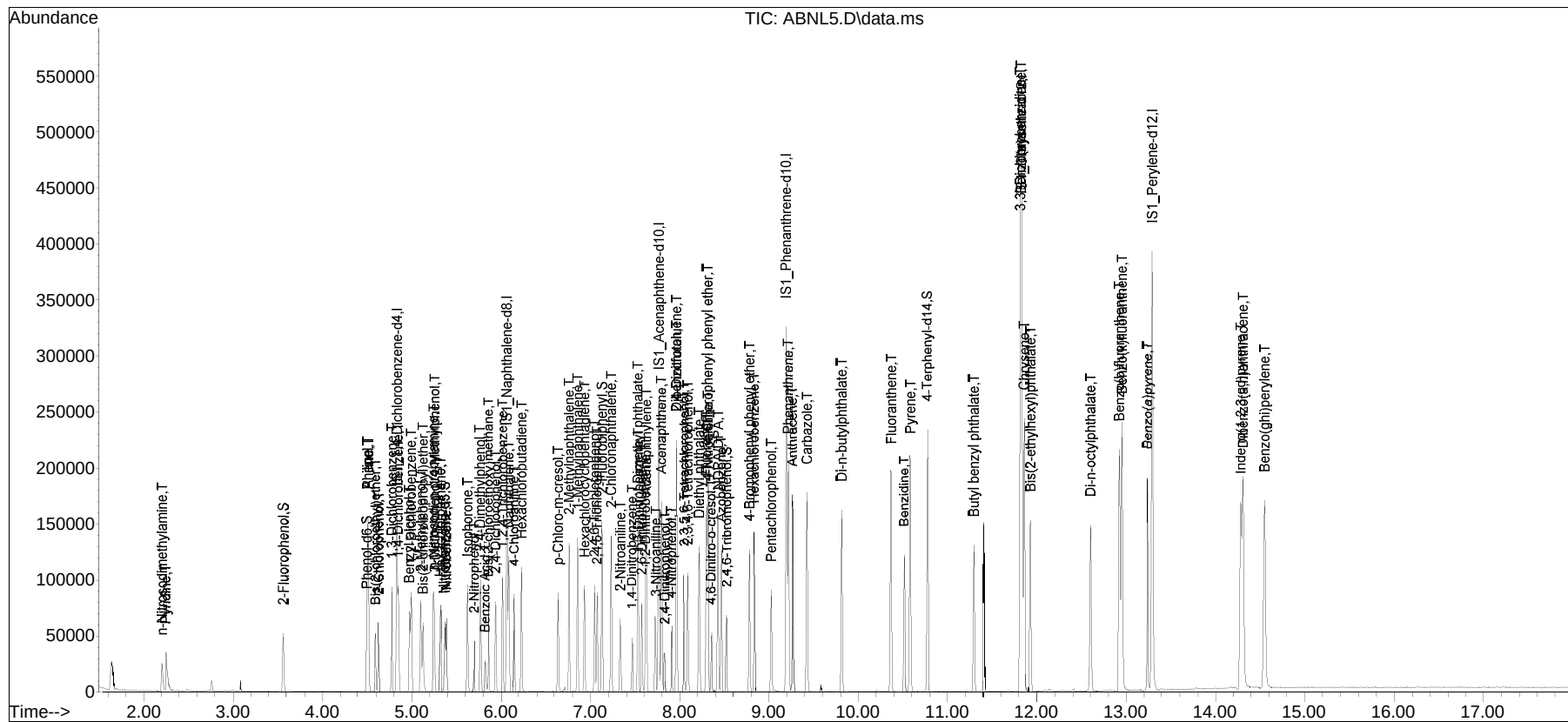
Quantitation Report

(QT Reviewed)

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Data Path   : I:\8270\SV112\250313RVTical\
Data File  : ABNL5.D
Acq On     : 13 Mar 2025   03:18 pm
Operator   : SV112:lvg
Sample     : IL6,32,,ABNL2.5 Lot# 11429
Misc       : WG2040627
ALS Vial   : 5      Sample Multiplier: 1
```

Quant Time: Mar 14 10:49:22 2025
Quant Method : I:\8270\SV112\250313RVTical\FS250313SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 13 20:22:59 2025
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublistTical\ABNL6.D•

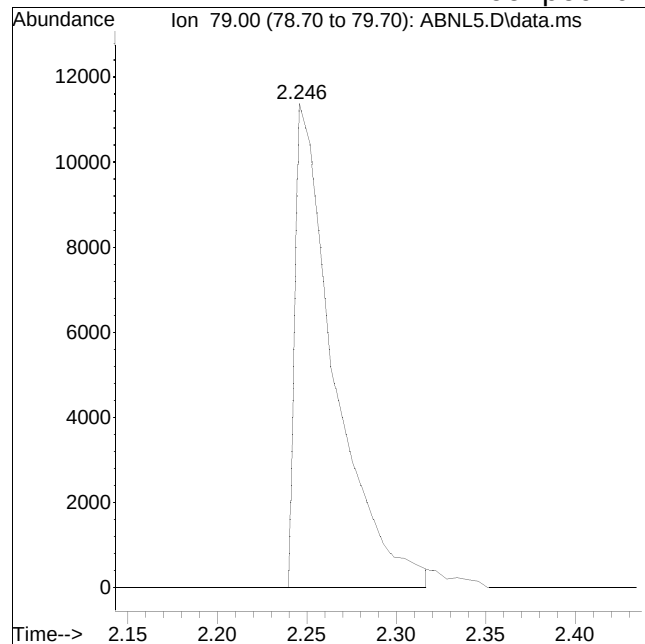


Manual Integration Report

Data Path : I:\8270\SV112\250313RVT\data.ms
Data File : ABNL5.D
Date Inj'd : 3/13/2025 3:18 pm
Sample : IL6, 32,, ABNL2.5 Lot# 11429

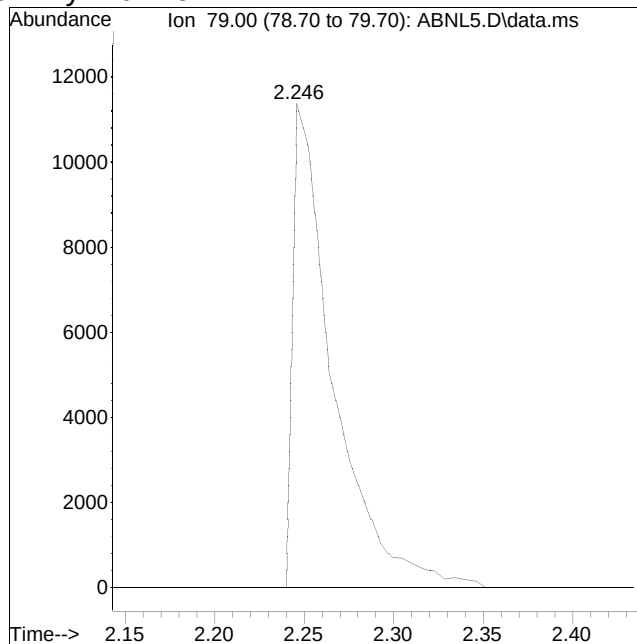
Method : FS250313SV112RVT.m
Operator : SV112:ljg
Instrument : SV112
Quant Date : 3/13/2025 8:24 pm

Compound #3: Pyridine



Original Peak Response = 17477

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.



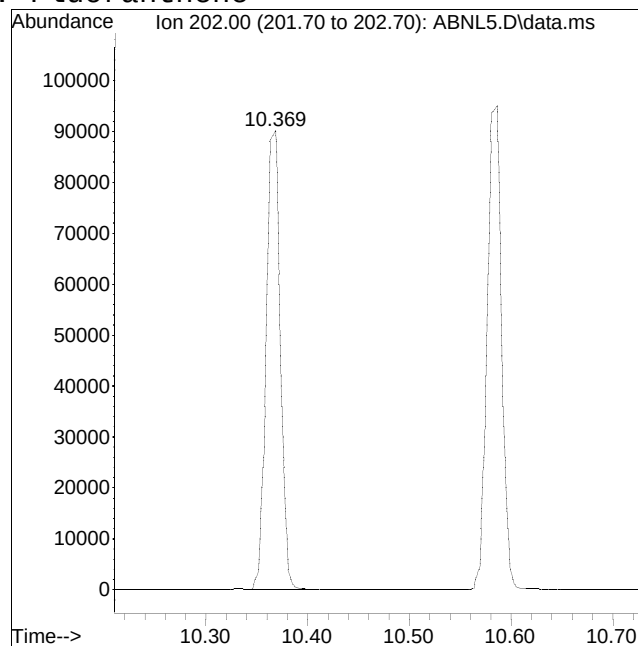
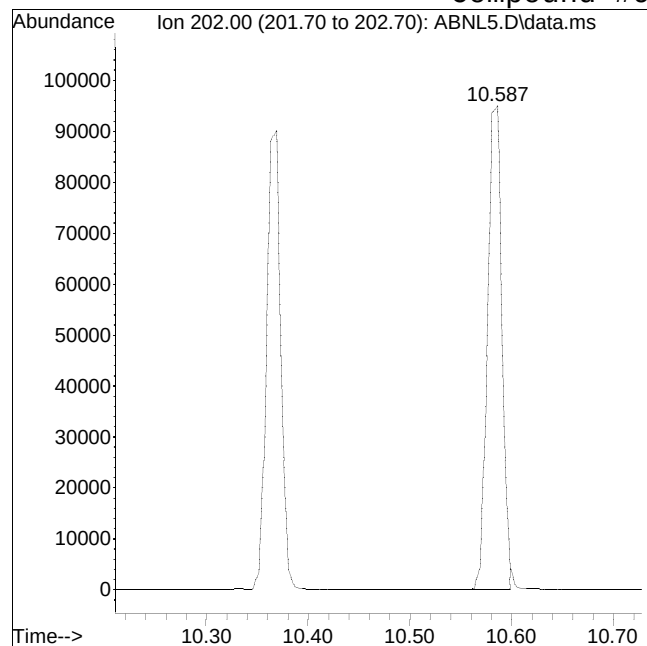
Manual Peak Response = 17885 M1

Manual Integration Report

Data Path : I:\8270\SV112\250313RVTica01
Data File : ABNL5.D
Date Inj'd : 3/13/2025 3:18 pm
Sample : IL6,32,,ABNL2.5 Lot# 11429

Method : FS250313SV112RVT.m
Operator : SV112:ljb
Instrument : SV112
Quant Date : 3/13/2025 8:24 pm

Compound #93: Fluoranthene



Original Peak Response = 93844

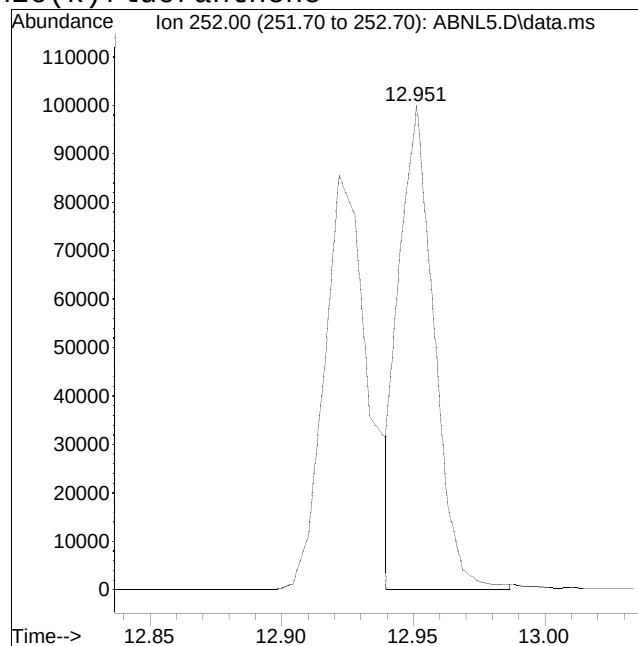
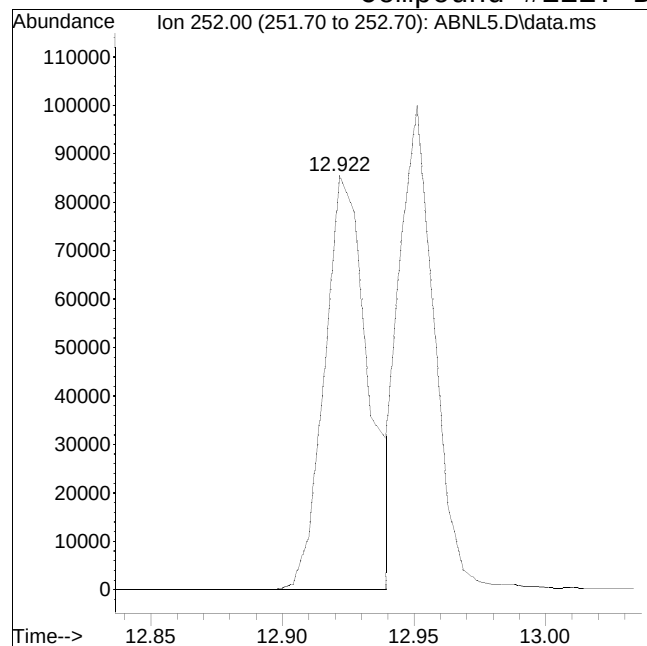
Manual Peak Response = 87422 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250313RVTica01
Data File : ABNL5.D
Date Inj'd : 3/13/2025 3:18 pm
Sample : IL6,32,,ABNL2.5 Lot# 11429
Method : FS250313SV112RVT.m
Operator : SV112:ljj
Instrument : SV112
Quant Date : 3/13/2025 8:24 pm

Compound #111: Benzo(k)fluoranthene



Original Peak Response = 101027

Manual Peak Response = 90963 M3

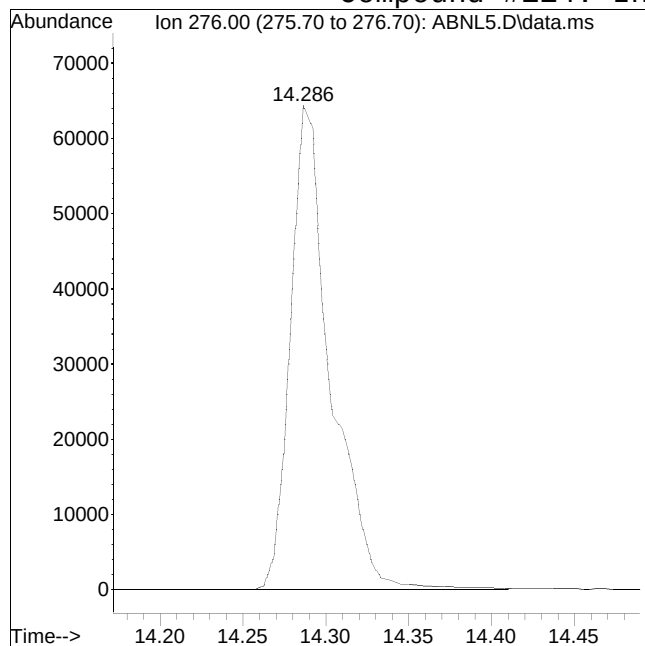
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250313RVTica01
Data File : ABNL5.D
Date Inj'd : 3/13/2025 3:18 pm
Sample : IL6,32,,ABNL2.5 Lot# 11429

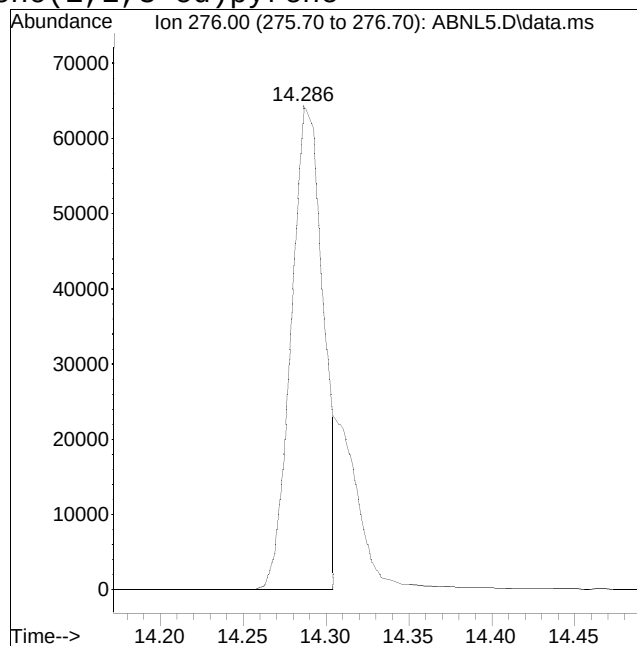
Method : FS250313SV112RVT.m
Operator : SV112:ljb
Instrument : SV112
Quant Date : 3/13/2025 8:24 pm

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 109301

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Peak Response = 88706 M6

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250313RVTical\
 Data File : ABNL4.D
 Acq On : 13 Mar 2025 03:41 pm
 Operator : SV112:ljl
 Sample : IL7,32,,ABNL1 Lot# 11430
 Misc : WG2040627
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 14 10:48:51 2025
 Quant Method : I:\8270\SV112\250313RVTical\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Mar 13 20:22:59 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250313RVTical\ABNL6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.834	152	22468	4.000	ug/ml	0.00
Standard Area 1 = 23356			Recovery =	96.20%		
35) IS1_Naphthalene-d8	6.063	136	84253	4.000	ug/ml	0.00
Standard Area 1 = 87070			Recovery =	96.76%		
63) IS1_Acenaphthene-d10	7.769	164	52040	4.000	ug/ml	0.00
Standard Area 1 = 56356			Recovery =	92.34%		
88) IS1_Phenanthrene-d10	9.193	188	112689	4.000	ug/ml	# 0.00
Standard Area 1 = 122535			Recovery =	91.96%		
104) IS1_Chrysene-d12	11.828	240	128110	4.000	ug/ml	# 0.00
Standard Area 1 = 141005			Recovery =	90.85%		
113) IS1_Perylene-d12	13.292	264	139314	4.000	ug/ml	0.00
Standard Area 1 = 153196			Recovery =	90.94%		
System Monitoring Compounds						
4) 2-Fluorophenol	3.563	112	6326	1.040	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	52.00%		
7) Phenol-d6	4.499	99	7486	0.987	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	49.35%		
19) Nitrobenzene-d5	5.369	82	7065	0.986	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	98.60%		
46) 2-Fluorobiphenyl	7.128	172	19181	0.994	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	99.40%		
79) 2,4,6-Tribromophenol	8.528	330	2956	0.941	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	47.05%		
96) 4-Terphenyl-d14	10.769	244	29299	0.994	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	99.40%		
Target Compounds						
						Qvalue
2) n-Nitrosodimethylamine	2.205	74	4003	1.025	ug/ml#	80
3) Pyridine	2.258	79	6702M1	0.982	ug/ml	
5) Aniline	4.510	93	10608	1.067	ug/ml#	51
6) 2-Chlorophenol	4.628	128	7210	1.029	ug/ml	96
8) Phenol	4.510	94	9425	1.054	ug/ml#	48
9) Bis(2-chloroethyl)ether	4.593	93	6416	0.991	ug/ml	97
10) 1,3-Dichlorobenzene	4.775	146	8643	1.045	ug/ml	97
11) 1,4-Dichlorobenzene	4.846	146	8754	1.022	ug/ml	97
12) 1,2-Dichlorobenzene	4.993	146	8665	1.055	ug/ml	97
13) Benzyl alcohol	4.975	79	5162	0.945	ug/ml	97
14) Bis(2-chloroisopropyl)...	5.128	45	9539	1.015	ug/ml#	81

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250313RVTical\
 Data File : ABNL4.D
 Acq On : 13 Mar 2025 03:41 pm
 Operator : SV112:ljb
 Sample : IL7,32,,ABNL1 Lot# 11430
 Misc : WG2040627
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 14 10:48:51 2025
 Quant Method : I:\8270\SV112\250313RVTical\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Mar 13 20:22:59 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250313RVTical\ABNL6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15)	2-Methylphenol	5.105	108	5865	0.989	ug/ml	97
16)	Hexachloroethane	5.322	117	3261	1.035	ug/ml#	63
17)	n-Nitrosodi-n-propylamine	5.246	70	4911	0.967	ug/ml#	83
18)	3-Methylphenol/4-Methy...	5.257	108	6409	0.976	ug/ml	94
20)	Nitrobenzene	5.387	77	7330	1.002	ug/ml	96
21)	Isophorone	5.628	82	13137	0.972	ug/ml	99
22)	2-Nitrophenol	5.705	139	3081	0.925	ug/ml	97
23)	2,4-Dimethylphenol	5.769	107	6673	0.960	ug/ml	98
24)	Bis(2-chloroethoxy)met...	5.857	93	8852	0.975	ug/ml#	95
25)	2,4-Dichlorophenol	5.940	162	6286	0.986	ug/ml#	93
26)	1,2,4-Trichlorobenzene	6.016	180	8222	1.017	ug/ml	95
36)	Naphthalene	6.087	128	22204	1.028	ug/ml	98
37)	Benzoic Acid	5.816	105	2323	1.011	ug/ml	96
38)	4-Chloroaniline	6.152	65	2817	1.046	ug/ml	92
39)	Hexachlorobutadiene	6.234	225	5435	0.987	ug/ml	95
40)	p-Chloro-m-cresol	6.640	107	5627	0.931	ug/ml	97
41)	2-Methylnaphthalene	6.763	142	13099	0.974	ug/ml	96
42)	1-Methylnaphthalene	6.857	115	4830	0.941	ug/ml	92
43)	Hexachlorocyclopentadiene	6.934	237	6358	0.959	ug/ml	99
44)	2,4,6-Trichlorophenol	7.046	196	4952	0.871	ug/ml	96
45)	2,4,5-Trichlorophenol	7.075	196	5724	0.996	ug/ml	98
47)	2-Chloronaphthalene	7.228	162	15788	1.002	ug/ml	95
48)	2-Nitroaniline	7.334	138	4045	0.952	ug/ml	99
49)	1,4-Dinitrobenzene	7.463	168	1905	0.819	ug/ml	97
50)	1,3-Dinitrobenzene	7.540	168	2191	0.847	ug/ml	93
51)	Dimethyl phthalate	7.534	163	19305	0.955	ug/ml#	98
52)	Acenaphthylene	7.628	152	24786	0.970	ug/ml	100
53)	2,6-Dinitrotoluene	7.575	165	3481	0.941	ug/ml	98
54)	1,2-Dinitrobenzene	7.622	168	1720	1.003	ug/ml#	1
64)	3-Nitroaniline	7.728	138	3845	0.958	ug/ml#	93
65)	Acenaphthene	7.799	154	13415	0.962	ug/ml	92
66)	2,4-Dinitrophenol	7.834	184	1684	0.848	ug/ml	91
67)	Dibenzofuran	7.963	168	23358	0.973	ug/ml	94
68)	2,4-Dinitrotoluene	7.963	165	4829	0.924	ug/ml	95
69)	4-Nitrophenol	7.910	65	2796	0.937	ug/ml	99
70)	2,3,5,6-Tetrachlorophenol	8.051	232	4743	0.930	ug/ml	97
71)	2,3,4,6-Tetrachlorophenol	8.093	232	5001	0.961	ug/ml	98
72)	Diethyl phthalate	8.222	149	18829	0.967	ug/ml	96
73)	Fluorene	8.299	166	18436	0.978	ug/ml	98
74)	4-Chlorophenyl phenyl ...	8.310	204	9959	1.001	ug/ml#	82

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250313RVTical\
 Data File : ABNL4.D
 Acq On : 13 Mar 2025 03:41 pm
 Operator : SV112:ljl
 Sample : IL7,32,,ABNL1 Lot# 11430
 Misc : WG2040627
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 14 10:48:51 2025
 Quant Method : I:\8270\SV112\250313RVTical\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Mar 13 20:22:59 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250313RVTical\ABNL6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75)	4-Nitroaniline	8.316	138	4141	0.989	ug/ml	96
76)	4,6-Dinitro-o-cresol	8.351	198	2844	0.935	ug/ml#	73
77)	NDPA/DPA	8.428	169	15621	1.008	ug/ml	95
78)	Azobenzene	8.463	77	17583	1.010	ug/ml	93
80)	4-Bromophenyl phenyl e...	8.781	248	6127	0.946	ug/ml#	83
81)	Hexachlorobenzene	8.834	284	7493	0.984	ug/ml#	87
82)	Pentachlorophenol	9.022	266	3571	0.871	ug/ml	97
89)	Phenanthrene	9.216	178	30197	0.983	ug/ml	99
90)	Anthracene	9.263	178	29124	0.988	ug/ml	98
91)	Carbazole	9.428	167	27660	1.009	ug/ml	99
92)	Di-n-butylphthalate	9.810	149	29411	0.957	ug/ml	99
93)	Fluoranthene	10.369	202	35891M3	0.996	ug/ml	
94)	Benzidine	10.516	184	16865	0.865	ug/ml#	94
95)	Pyrene	10.587	202	38141	1.014	ug/ml	100
97)	Butyl benzyl phthalate	11.292	149	12030	0.900	ug/ml	96
105)	Benzo(a)anthracene	11.822	228	40558	1.018	ug/ml	99
106)	3,3'-Dichlorobenzidine	11.816	252	12996	0.909	ug/ml#	95
107)	Chrysene	11.857	228	39683	1.039	ug/ml	99
108)	Bis(2-ethylhexyl)phtha...	11.928	149	17684	0.888	ug/ml#	99
109)	Di-n-octylphthalate	12.604	149	29083	0.914	ug/ml#	99
110)	Benzo(b)fluoranthene	12.922	252	37022	0.962	ug/ml#	95
111)	Benzo(k)fluoranthene	12.951	252	41100M3	1.069	ug/ml	
112)	Benzo(a)pyrene	13.239	252	36429	1.009	ug/ml#	95
114)	Indeno(1,2,3-cd)pyrene	14.286	276	36436M6	0.955	ug/mL	
115)	Dibenzo(a,h)anthracene	14.310	278	36632	0.989	ug/ml#	93
116)	Benzo(ghi)perylene	14.551	276	38289	1.000	ug/ml#	93

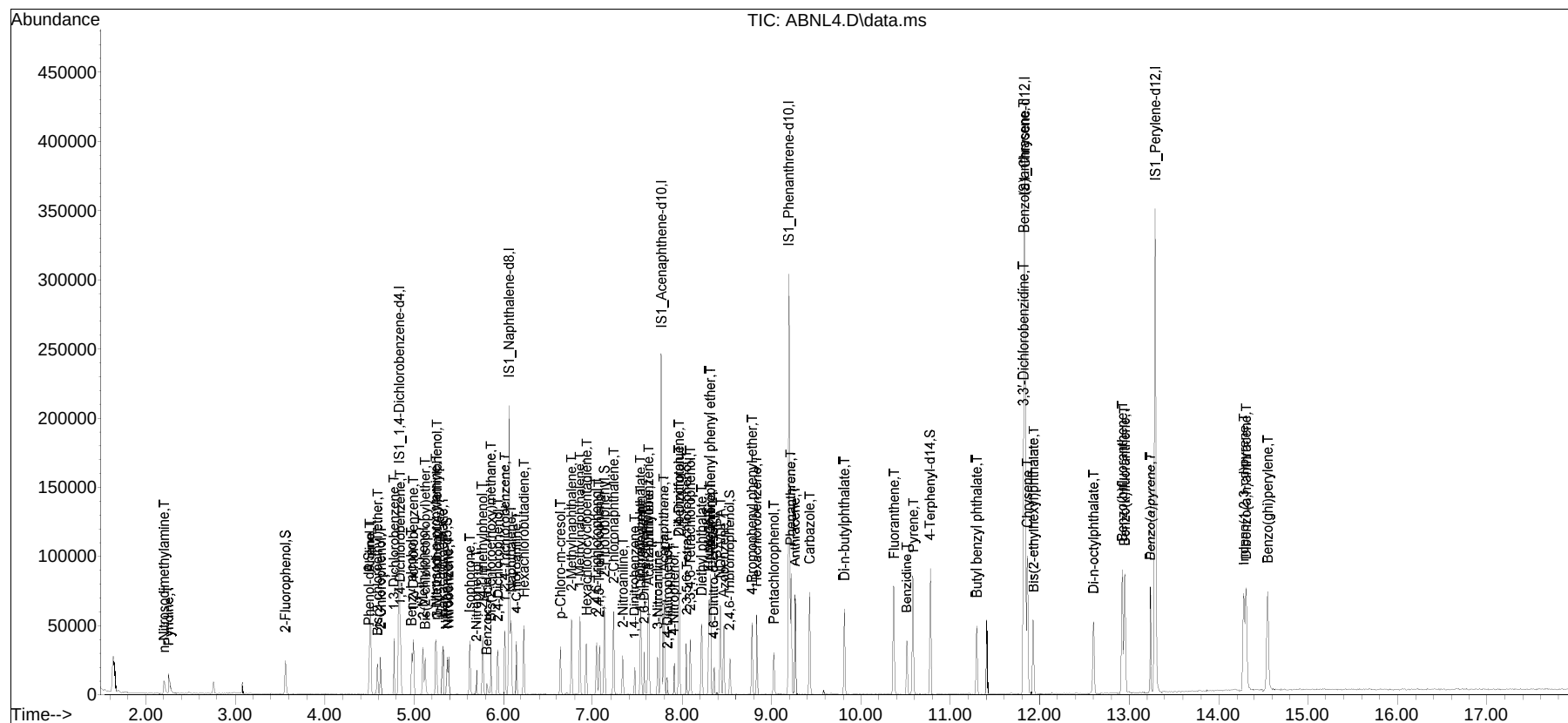
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250313RVTical\
 Data File : ABNL4.D
 Acq On : 13 Mar 2025 03:41 pm
 Operator : SV112:ljj
 Sample : IL7,32,,ABNL1 Lot# 11430
 Misc : WG2040627
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Mar 14 10:48:51 2025
 Quant Method : I:\8270\SV112\250313RVTical\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Mar 13 20:22:59 2025
 Response via : Initial Calibration

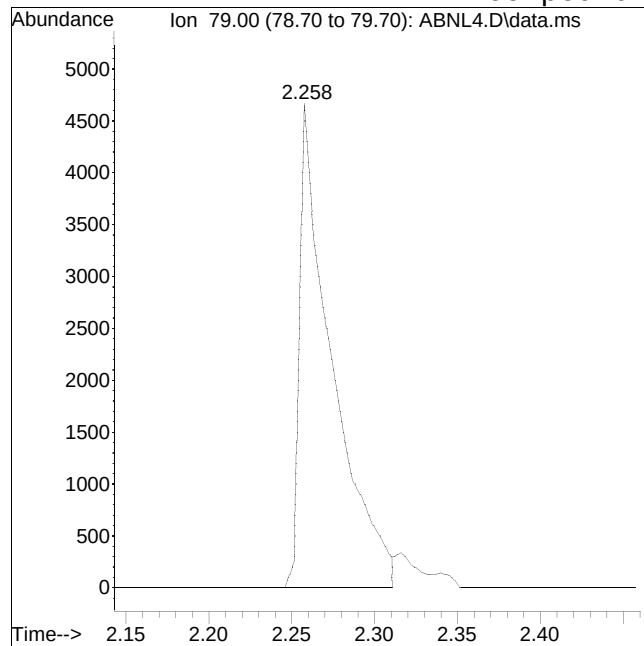
Sub List : ABNical - ABN ical sublistTical\ABNL6.D•



Manual Integration Report

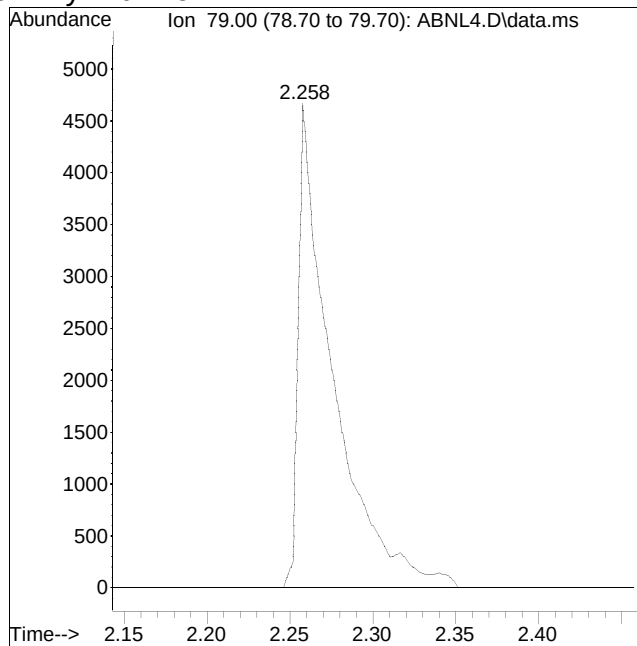
Data Path : I:\8270\SV112\250313RVT\data.ms
Data File : ABNL4.D
Date Inj'd : 3/13/2025 3:41 pm
Sample : IL7,32,,ABNL1 Lot# 11430
Method : FS250313SV112RVT.m
Operator : SV112:ljg
Instrument : SV112
Quant Date : 3/13/2025 8:24 pm

Compound #3: Pyridine



Original Peak Response = 6311

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.



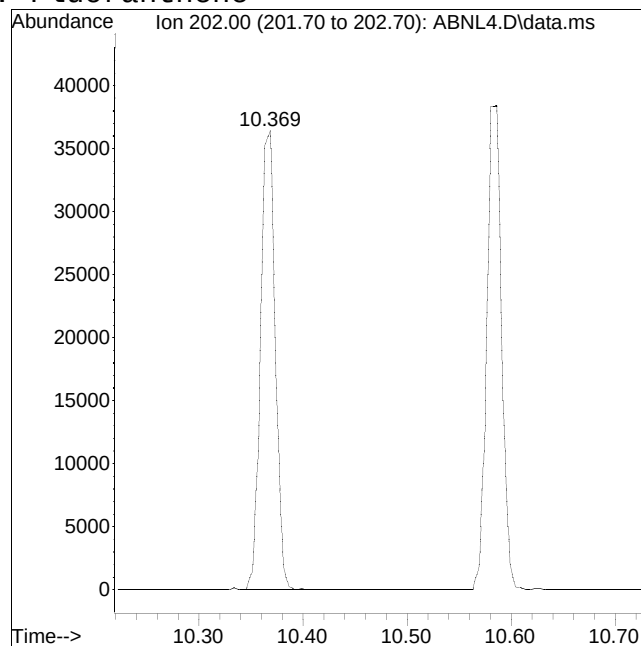
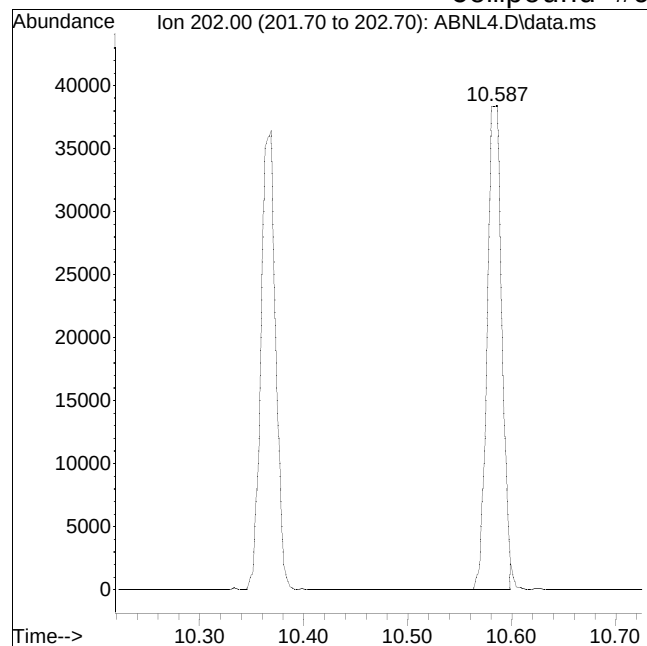
Manual Peak Response = 6702 M1

Manual Integration Report

Data Path : I:\8270\SV112\250313RVTica01
Data File : ABNL4.D
Date Inj'd : 3/13/2025 3:41 pm
Sample : IL7,32,,ABNL1 Lot# 11430

Method : FS250313SV112RVT.m
Operator : SV112:ljj
Instrument : SV112
Quant Date : 3/13/2025 8:24 pm

Compound #93: Fluoranthene



Original Peak Response = 38017

Manual Peak Response = 35891 M3

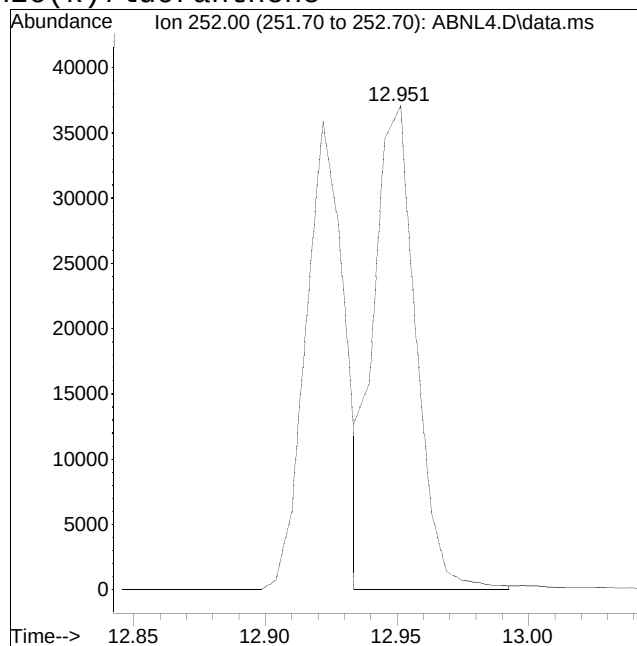
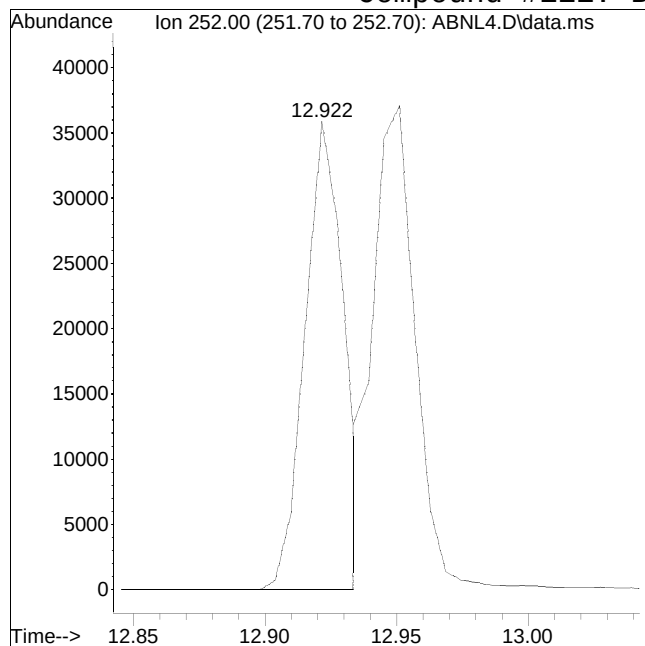
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250313RVTica01
Data File : ABNL4.D
Date Inj'd : 3/13/2025 3:41 pm
Sample : IL7,32,,ABNL1 Lot# 11430

Method : FS250313SV112RVT.m
Operator : SV112:ljj
Instrument : SV112
Quant Date : 3/13/2025 8:24 pm

Compound #111: Benzo(k)fluoranthene



Original Peak Response = 37022

Manual Peak Response = 41100 M3

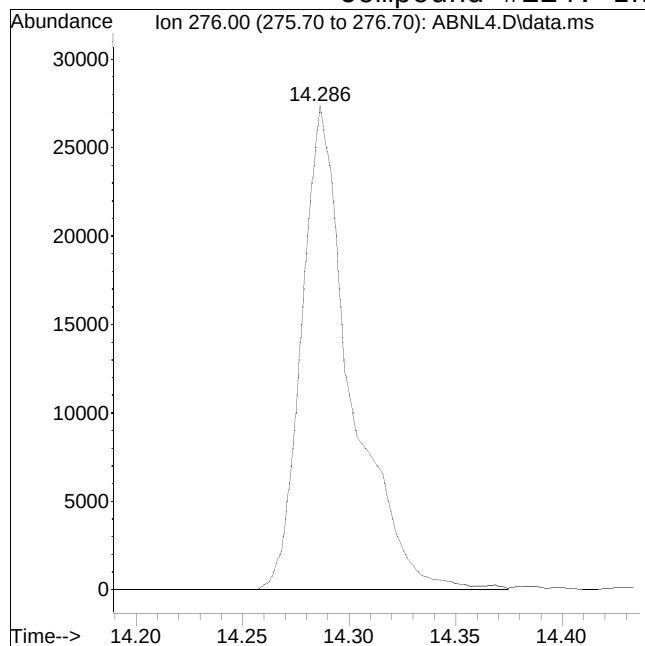
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250313RVTica01
Data File : ABNL4.D
Date Inj'd : 3/13/2025 3:41 pm
Sample : IL7,32,,ABNL1 Lot# 11430

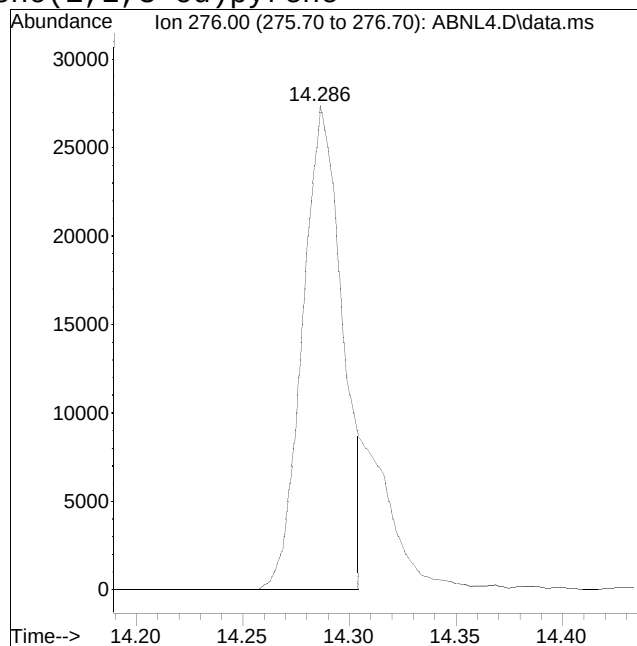
Method : FS250313SV112RVT.m
Operator : SV112:ljj
Instrument : SV112
Quant Date : 3/13/2025 8:24 pm

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 44332

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Peak Response = 36436 M6

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250313RVTical\
 Data File : ABNL3.D
 Acq On : 13 Mar 2025 04:03 pm
 Operator : SV112:ljpg
 Sample : IL8,32,,ABNL0.5 Lot# 11431
 Misc : WG2040627
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 14 10:48:22 2025
 Quant Method : I:\8270\SV112\250313RVTical\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Mar 13 20:22:59 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250313RVTical\ABNL6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.834	152	22808	4.000	ug/ml	0.00
Standard Area 1 = 23356			Recovery =	97.65%		
35) IS1_Naphthalene-d8	6.063	136	80161	4.000	ug/ml	0.00
Standard Area 1 = 87070			Recovery =	92.07%		
63) IS1_Acenaphthene-d10	7.763	164	49659	4.000	ug/ml	0.00
Standard Area 1 = 56356			Recovery =	88.12%		
88) IS1_Phenanthrene-d10	9.193	188	106751	4.000	ug/ml	# 0.00
Standard Area 1 = 122535			Recovery =	87.12%		
104) IS1_Chrysene-d12	11.828	240	119389	4.000	ug/ml	# 0.00
Standard Area 1 = 141005			Recovery =	84.67%		
113) IS1_Perylene-d12	13.292	264	132722	4.000	ug/ml	0.00
Standard Area 1 = 153196			Recovery =	86.64%		
System Monitoring Compounds						
4) 2-Fluorophenol	3.563	112	3236	0.524	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	26.20%		
7) Phenol-d6	4.499	99	3818	0.496	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	24.80%		
19) Nitrobenzene-d5	5.369	82	3654	0.503	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	50.30%		
46) 2-Fluorobiphenyl	7.128	172	10239	0.558	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	55.80%		
79) 2,4,6-Tribromophenol	8.528	330	1504	0.502	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	25.10%		
96) 4-Terphenyl-d14	10.769	244	15183	0.544	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	54.40%		
Target Compounds						
						Qvalue
2) n-Nitrosodimethylamine	2.211	74	2172	0.548	ug/ml#	88
3) Pyridine	2.263	79	3734M1	0.539	ug/ml	
5) Aniline	4.510	93	5260	0.521	ug/ml#	48
6) 2-Chlorophenol	4.628	128	3623	0.509	ug/ml	96
8) Phenol	4.510	94	4621	0.509	ug/ml#	44
9) Bis(2-chloroethyl)ether	4.593	93	3550	0.540	ug/ml	94
10) 1,3-Dichlorobenzene	4.775	146	4687	0.558	ug/ml	95
11) 1,4-Dichlorobenzene	4.852	146	4716	0.542	ug/ml	97
12) 1,2-Dichlorobenzene	4.993	146	4464	0.535	ug/ml	92
13) Benzyl alcohol	4.981	79	2598	0.469	ug/ml	93
14) Bis(2-chloroisopropyl)...	5.128	45	4975	0.521	ug/ml#	80

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250313RVTical\
 Data File : ABNL3.D
 Acq On : 13 Mar 2025 04:03 pm
 Operator : SV112:ljg
 Sample : IL8,32,,ABNL0.5 Lot# 11431
 Misc : WG2040627
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 14 10:48:22 2025
 Quant Method : I:\8270\SV112\250313RVTical\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Mar 13 20:22:59 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250313RVTical\ABNL6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15)	2-Methylphenol	5.104	108	2894	0.481	ug/ml	98
16)	Hexachloroethane	5.322	117	1644	0.514	ug/ml#	66
17)	n-Nitrosodi-n-propylamine	5.246	70	2540	0.493	ug/ml#	62
18)	3-Methylphenol/4-Methy...	5.257	108	3541	0.531	ug/ml#	94
20)	Nitrobenzene	5.387	77	3894	0.525	ug/ml#	85
21)	Isophorone	5.628	82	6883	0.502	ug/ml#	94
22)	2-Nitrophenol	5.704	139	1682	0.497	ug/ml	96
23)	2,4-Dimethylphenol	5.769	107	3390	0.481	ug/ml	94
24)	Bis(2-chloroethoxy)met...	5.857	93	4626	0.502	ug/ml#	90
25)	2,4-Dichlorophenol	5.940	162	3192	0.493	ug/ml	90
26)	1,2,4-Trichlorobenzene	6.016	180	4356	0.531	ug/ml	95
36)	Naphthalene	6.087	128	11529	0.561	ug/ml	98
37)	Benzoic Acid	5.816	105	680	0.720	ug/ml#	1
38)	4-Chloroaniline	6.152	65	1385	0.541	ug/ml	88
39)	Hexachlorobutadiene	6.234	225	2918	0.557	ug/ml	98
40)	p-Chloro-m-cresol	6.640	107	3028	0.527	ug/ml	98
41)	2-Methylnaphthalene	6.763	142	6898	0.539	ug/ml	94
42)	1-Methylnaphthalene	6.857	115	2698	0.552	ug/ml	98
43)	Hexachlorocyclopentadiene	6.934	237	3304	0.524	ug/ml#	94
44)	2,4,6-Trichlorophenol	7.046	196	2805	0.518	ug/ml	94
45)	2,4,5-Trichlorophenol	7.075	196	2679M3	0.490	ug/ml	
47)	2-Chloronaphthalene	7.228	162	8266	0.552	ug/ml	92
48)	2-Nitroaniline	7.334	138	1931	0.477	ug/ml	97
49)	1,4-Dinitrobenzene	7.463	168	1091	0.493	ug/ml	83
50)	1,3-Dinitrobenzene	7.540	168	1136	0.461	ug/ml	96
51)	Dimethyl phthalate	7.534	163	10523	0.547	ug/ml#	97
52)	Acenaphthylene	7.628	152	13071	0.538	ug/ml	99
53)	2,6-Dinitrotoluene	7.575	165	1765	0.502	ug/ml	96
54)	1,2-Dinitrobenzene	7.616	168	799	0.490	ug/ml#	1
64)	3-Nitroaniline	7.728	138	1886	0.492	ug/ml#	81
65)	Acenaphthene	7.798	154	7236	0.544	ug/ml	93
66)	2,4-Dinitrophenol	7.834	184	834	0.541	ug/ml#	25
67)	Dibenzofuran	7.963	168	12750	0.557	ug/ml	91
68)	2,4-Dinitrotoluene	7.963	165	2448	0.491	ug/ml	98
69)	4-Nitrophenol	7.910	65	1277	0.448	ug/ml	98
70)	2,3,5,6-Tetrachlorophenol	8.051	232	2397	0.492	ug/ml	97
71)	2,3,4,6-Tetrachlorophenol	8.093	232	2525	0.509	ug/ml	88
72)	Diethyl phthalate	8.222	149	9994	0.538	ug/ml	97
73)	Fluorene	8.293	166	10030	0.558	ug/ml	99
74)	4-Chlorophenyl phenyl ...	8.310	204	5117	0.539	ug/ml#	83

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250313RVTical\
 Data File : ABNL3.D
 Acq On : 13 Mar 2025 04:03 pm
 Operator : SV112:ljb
 Sample : IL8,32,,ABNL0.5 Lot# 11431
 Misc : WG2040627
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Mar 14 10:48:22 2025
 Quant Method : I:\8270\SV112\250313RVTical\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Mar 13 20:22:59 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250313RVTical\ABNL6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75)	4-Nitroaniline	8.316	138	2027	0.508	ug/ml	95
76)	4,6-Dinitro-o-cresol	8.351	198	1307	0.450	ug/ml#	77
77)	NDPA/DPA	8.428	169	7696	0.521	ug/ml	89
78)	Azobenzene	8.463	77	8769	0.528	ug/ml#	95
80)	4-Bromophenyl phenyl e...	8.781	248	3351	0.542	ug/ml#	79
81)	Hexachlorobenzene	8.834	284	3877	0.533	ug/ml#	90
82)	Pentachlorophenol	9.022	266	1737	0.444	ug/ml	96
89)	Phenanthrene	9.216	178	16710	0.574	ug/ml	99
90)	Anthracene	9.263	178	15542	0.556	ug/ml	99
91)	Carbazole	9.428	167	14134	0.544	ug/ml	98
92)	Di-n-butylphthalate	9.810	149	14946	0.514	ug/ml	99
93)	Fluoranthene	10.369	202	18502M3	0.542	ug/ml	
94)	Benzidine	10.516	184	7478	0.405	ug/ml#	88
95)	Pyrene	10.581	202	20429	0.573	ug/ml	98
97)	Butyl benzyl phthalate	11.292	149	6204	0.490	ug/ml#	92
105)	Benzo(a)anthracene	11.822	228	20605	0.555	ug/ml	98
106)	3,3'-Dichlorobenzidine	11.816	252	6312	0.474	ug/ml	97
107)	Chrysene	11.857	228	20375	0.572	ug/ml	98
108)	Bis(2-ethylhexyl)phtha...	11.928	149	9013	0.485	ug/ml#	97
109)	Di-n-octylphthalate	12.604	149	14244	0.480	ug/ml#	99
110)	Benzo(b)fluoranthene	12.922	252	19419	0.541	ug/ml#	95
111)	Benzo(k)fluoranthene	12.951	252	20528M3	0.573	ug/ml	
112)	Benzo(a)pyrene	13.233	252	18463	0.549	ug/ml#	96
114)	Indeno(1,2,3-cd)pyrene	14.286	276	19474M6	0.536	ug/mL	
115)	Dibenzo(a,h)anthracene	14.310	278	18986	0.538	ug/ml#	89
116)	Benzo(ghi)perylene	14.551	276	19866	0.545	ug/ml#	93

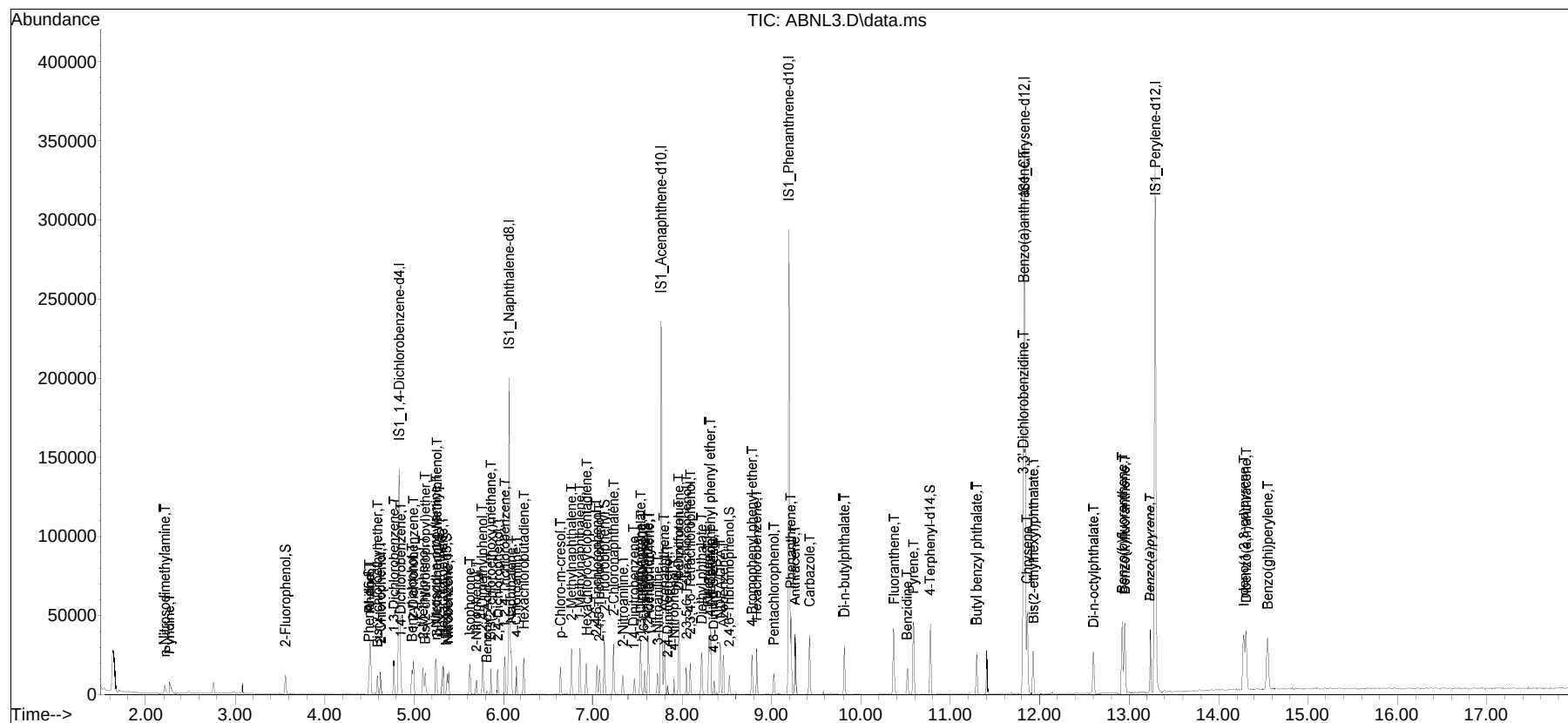
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

```
Data Path   : I:\8270\SV112\250313RVTical\
Data File  : ABNL3.D
Acq On     : 13 Mar 2025   04:03 pm
Operator   : SV112:ljl
Sample     : IL8,32,,ABNL0.5 Lot# 11431
Misc       : WG2040627
ALS Vial   : 7      Sample Multiplier: 1
```

Quant Time: Mar 14 10:48:22 2025
Quant Method : I:\8270\SV112\250313RVTical\FS250313SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 13 20:22:59 2025
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublistTical\ABNL6.D•

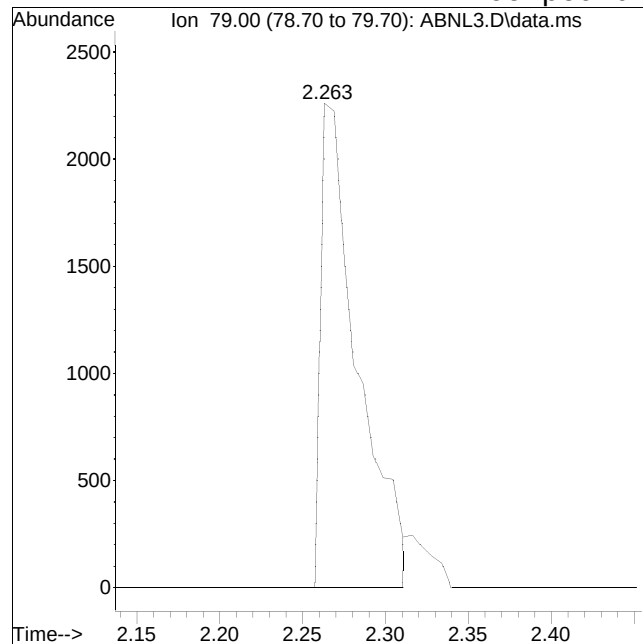


Manual Integration Report

Data Path : I:\8270\SV112\250313RVT\data.ms
Data File : ABNL3.D
Date Inj'd : 3/13/2025 4:03 pm
Sample : IL8, 32,, ABNL0.5 Lot# 11431

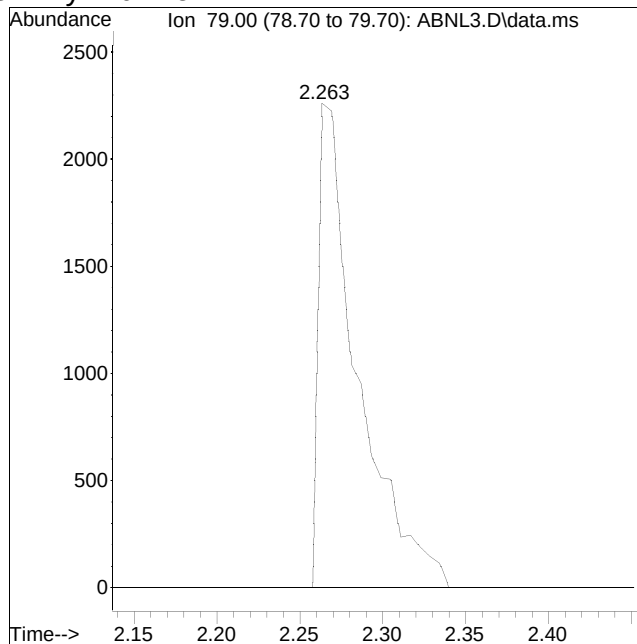
Method : FS250313SV112RVT.m
Operator : SV112:ljg
Instrument : SV112
Quant Date : 3/13/2025 8:23 pm

Compound #3: Pyridine



Original Peak Response = 3487

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

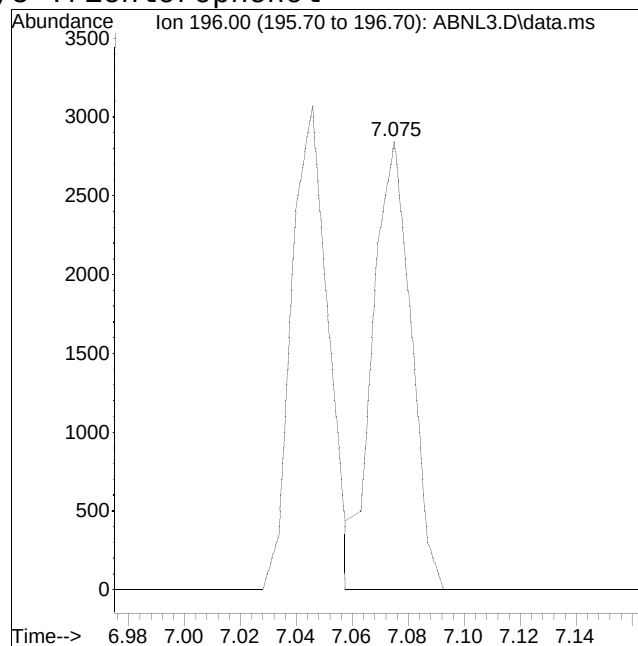
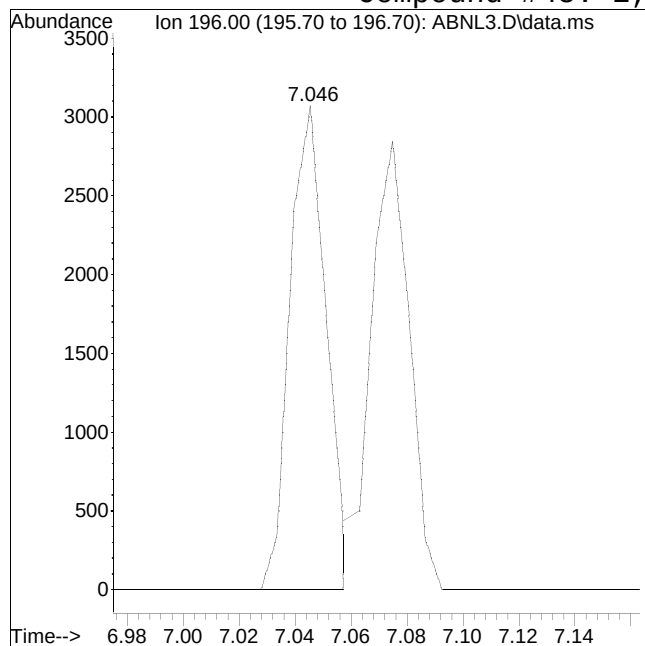


Manual Peak Response = 3734 M1

Manual Integration Report

Data Path : I:\8270\SV112\250313RVTica01
Data File : ABNL3.D
Date Inj'd : 3/13/2025 4:03 pm
Sample : IL8,32,,ABNL0.5 Lot# 11431
Method : FS250313SV112RVT.m
Operator : SV112:ljb
Instrument : SV112
Quant Date : 3/13/2025 8:23 pm

Compound #45: 2,4,5-Trichlorophenol



Original Peak Response = 2805

Manual Peak Response = 2679 M3

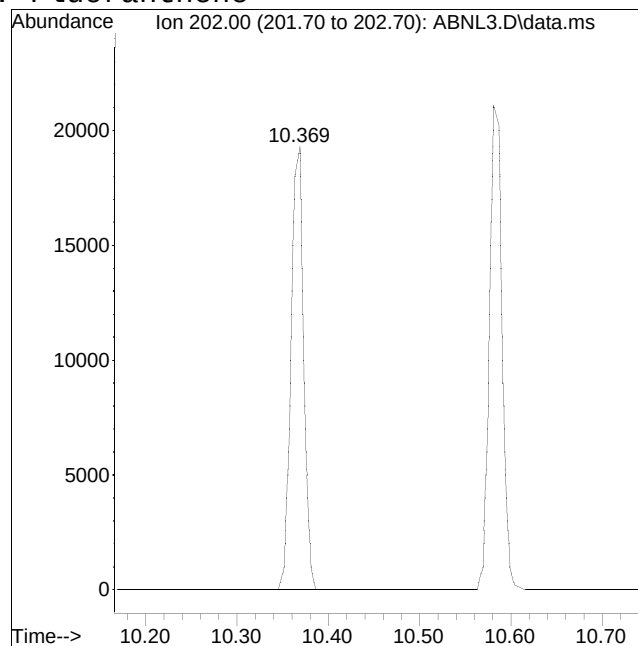
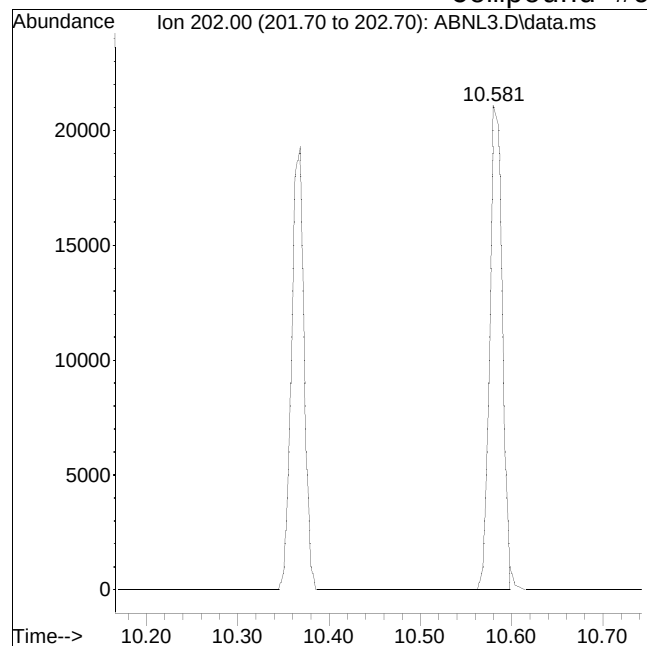
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250313RVTica01
Data File : ABNL3.D
Date Inj'd : 3/13/2025 4:03 pm
Sample : IL8,32,,ABNL0.5 Lot# 11431

Method : FS250313SV112RVT.m
Operator : SV112:ljj
Instrument : SV112
Quant Date : 3/13/2025 8:23 pm

Compound #93: Fluoranthene



Original Peak Response = 20320

Manual Peak Response = 18502 M3

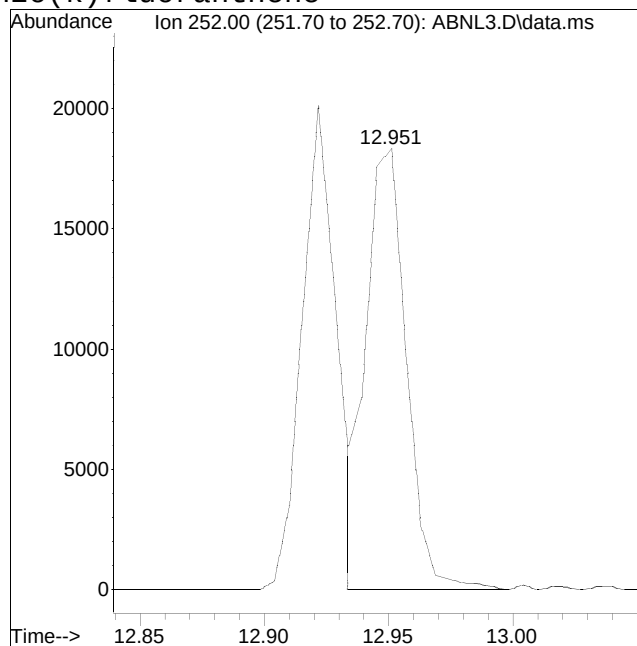
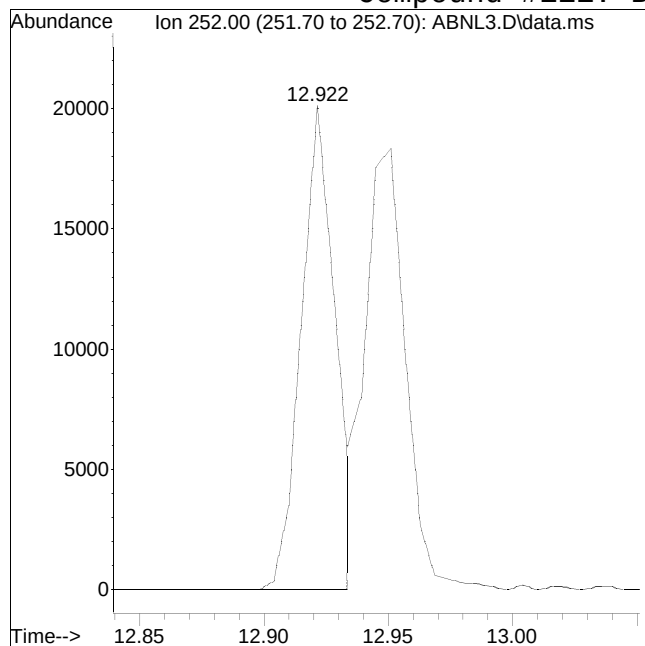
M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250313RVTica01
Data File : ABNL3.D
Date Inj'd : 3/13/2025 4:03 pm
Sample : IL8,32,,ABNL0.5 Lot# 11431

Method : FS250313SV112RVT.m
Operator : SV112:ljb
Instrument : SV112
Quant Date : 3/13/2025 8:23 pm

Compound #111: Benzo(k)fluoranthene



Original Peak Response = 19419

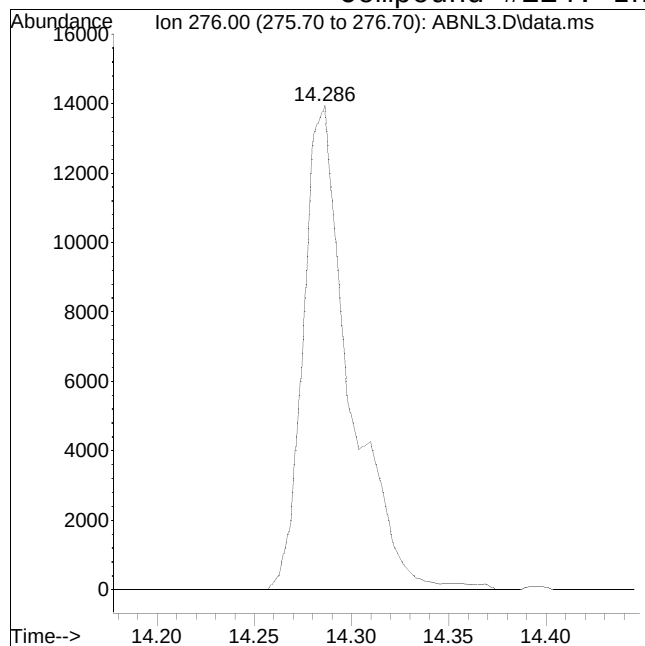
Manual Peak Response = 20528 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

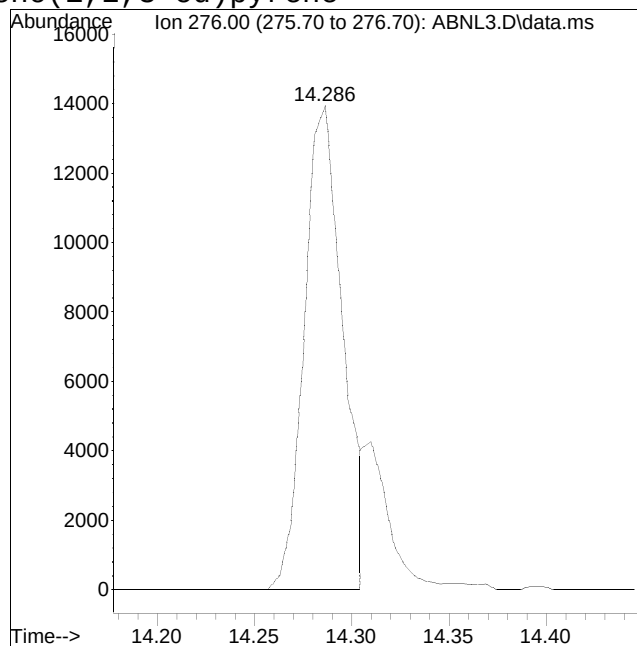
Data Path : I:\8270\SV112\250313RVTical\Method : FS250313SV112RVT.m
Data File : ABNL3.D Operator : SV112:ljj
Date Inj'd : 3/13/2025 4:03 pm Instrument : SV112
Sample : IL8,32,,ABNL0.5 Lot# 11431 Quant Date : 3/13/2025 8:23 pm

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 23208

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Peak Response = 19474 M6

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250313RVTical\
 Data File : ABNL2.D
 Acq On : 13 Mar 2025 04:26 pm
 Operator : SV112:ljpg
 Sample : IL9,32,,ABNL0.2 Lot# 11432
 Misc : WG2040627
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 14 10:47:42 2025
 Quant Method : I:\8270\SV112\250313RVTical\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Mar 13 20:22:59 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250313RVTical\ABNL6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.834	152	21509	4.000	ug/ml	0.00
Standard Area 1 = 23356			Recovery =	92.09%		
35) IS1_Naphthalene-d8	6.063	136	78485	4.000	ug/ml	0.00
Standard Area 1 = 87070			Recovery =	90.14%		
63) IS1_Acenaphthene-d10	7.763	164	47601	4.000	ug/ml	0.00
Standard Area 1 = 56356			Recovery =	84.46%		
88) IS1_Phenanthrene-d10	9.193	188	106167	4.000	ug/ml	# 0.00
Standard Area 1 = 122535			Recovery =	86.64%		
104) IS1_Chrysene-d12	11.828	240	117540	4.000	ug/ml	# 0.00
Standard Area 1 = 141005			Recovery =	83.36%		
113) IS1_Perylene-d12	13.292	264	128179	4.000	ug/ml	0.00
Standard Area 1 = 153196			Recovery =	83.67%		
System Monitoring Compounds						
4) 2-Fluorophenol	3.563	112	1158	0.199	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	9.95%#		
7) Phenol-d6	4.499	99	1268	0.175	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	8.75%#		
19) Nitrobenzene-d5	5.369	82	1288	0.188	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	18.80%#		
46) 2-Fluorobiphenyl	7.128	172	3842	0.214	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	21.40%#		
79) 2,4,6-Tribromophenol	8.540	330	51M2	0.018	ug/ml	0.01
Spiked Amount 2.000	Range 15 - 110		Recovery =	0.90%#		
96) 4-Terphenyl-d14	10.769	244	5553	0.200	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	20.00%#		
Target Compounds						
						Qvalue
2) n-Nitrosodimethylamine	2.216	74	660	0.177	ug/ml#	80
3) Pyridine	2.281	79	1115M1	0.171	ug/ml	
5) Aniline	4.510	93	1593	0.167	ug/ml#	41
6) 2-Chlorophenol	4.628	128	1185	0.177	ug/ml#	74
8) Phenol	4.516	94	1514	0.177	ug/ml#	45
9) Bis(2-chloroethyl)ether	4.593	93	1267	0.204	ug/ml#	80
10) 1,3-Dichlorobenzene	4.775	146	1618	0.204	ug/ml	97
11) 1,4-Dichlorobenzene	4.846	146	1704	0.208	ug/ml	95
12) 1,2-Dichlorobenzene	4.999	146	1688	0.215	ug/ml	91
13) Benzyl alcohol	4.981	79	1032	0.197	ug/ml	93

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250313RVTical\
 Data File : ABNL2.D
 Acq On : 13 Mar 2025 04:26 pm
 Operator : SV112:ljb
 Sample : IL9,32,,ABNL0.2 Lot# 11432
 Misc : WG2040627
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 14 10:47:42 2025
 Quant Method : I:\8270\SV112\250313RVTical\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Mar 13 20:22:59 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250313RVTical\ABNL6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
14)	Bis(2-chloroisopropyl)...	5.128	45	1955	0.217	ug/ml#	51
15)	2-Methylphenol	5.105	108	1095	0.193	ug/ml#	89
16)	Hexachloroethane	5.322	117	515	0.171	ug/ml#	35
17)	n-Nitrosodi-n-propylamine	5.246	70	910	0.187	ug/ml#	62
18)	3-Methylphenol/4-Methy...	5.258	108	1046	0.166	ug/ml#	84
20)	Nitrobenzene	5.387	77	1246	0.178	ug/ml#	90
21)	Isophorone	5.628	82	2295	0.177	ug/ml#	67
22)	2-Nitrophenol	5.705	139	440M2	0.138	ug/ml	
23)	2,4-Dimethylphenol	5.769	107	1147	0.172	ug/ml#	85
24)	Bis(2-chloroethoxy)met...	5.857	93	1628	0.187	ug/ml#	50
25)	2,4-Dichlorophenol	5.940	162	1080	0.177	ug/ml#	67
26)	1,2,4-Trichlorobenzene	6.016	180	1549	0.200	ug/ml#	83
36)	Naphthalene	6.087	128	4142	0.206	ug/ml#	86
37)	Benzoic Acid	0.000		0	N.D.		
38)	4-Chloroaniline	6.152	65	427M2	0.170	ug/ml	
39)	Hexachlorobutadiene	6.234	225	1005	0.196	ug/ml	97
40)	p-Chloro-m-cresol	6.640	107	1030	0.183	ug/ml#	78
41)	2-Methylnaphthalene	6.763	142	2521	0.201	ug/ml	99
42)	1-Methylnaphthalene	6.852	115	933	0.195	ug/ml	92
43)	Hexachlorocyclopentadiene	6.934	237	1160	0.188	ug/ml#	87
44)	2,4,6-Trichlorophenol	7.046	196	971	0.183	ug/ml#	86
45)	2,4,5-Trichlorophenol	7.075	196	862M3	0.161	ug/ml	
47)	2-Chloronaphthalene	7.228	162	2739	0.187	ug/ml	93
48)	2-Nitroaniline	7.334	138	613	0.155	ug/ml#	63
49)	1,4-Dinitrobenzene	7.463	168	366M2	0.169	ug/ml	
50)	1,3-Dinitrobenzene	7.540	168	344M2	0.143	ug/ml	
51)	Dimethyl phthalate	7.534	163	3656	0.194	ug/ml#	77
52)	Acenaphthylene	7.622	152	4656	0.196	ug/ml	96
53)	2,6-Dinitrotoluene	7.575	165	476M3	0.138	ug/ml	
54)	1,2-Dinitrobenzene	7.616	168	281M2	0.176	ug/ml	
64)	3-Nitroaniline	7.728	138	566	0.154	ug/ml#	57
65)	Acenaphthene	7.799	154	2586	0.203	ug/ml	87
66)	2,4-Dinitrophenol	7.834	184	189M2	0.289	ug/ml	
67)	Dibenzofuran	7.963	168	4844	0.221	ug/ml	89
68)	2,4-Dinitrotoluene	7.963	165	862	0.180	ug/ml	94
69)	4-Nitrophenol	7.910	65	429M3	0.157	ug/ml	
70)	2,3,5,6-Tetrachlorophenol	8.051	232	790	0.169	ug/ml#	72
71)	2,3,4,6-Tetrachlorophenol	8.093	232	866	0.182	ug/ml#	65
72)	Diethyl phthalate	8.222	149	3671	0.206	ug/ml#	95
73)	Fluorene	8.293	166	3623	0.210	ug/ml	97

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250313RVTical\
 Data File : ABNL2.D
 Acq On : 13 Mar 2025 04:26 pm
 Operator : SV112:ljb
 Sample : IL9,32,,ABNL0.2 Lot# 11432
 Misc : WG2040627
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Mar 14 10:47:42 2025
 Quant Method : I:\8270\SV112\250313RVTical\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Mar 13 20:22:59 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250313RVTical\ABNL6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74)	4-Chlorophenyl phenyl ...	8.310	204	1923	0.211	ug/ml#	82
75)	4-Nitroaniline	8.316	138	661	0.173	ug/ml#	66
76)	4,6-Dinitro-o-cresol	8.351	198	397M2	0.143	ug/ml	
77)	NDPA/DPA	8.422	169	2818	0.199	ug/ml	89
78)	Azobenzene	8.463	77	3080	0.193	ug/ml#	92
80)	4-Bromophenyl phenyl e...	8.781	248	1402	0.237	ug/ml#	73
81)	Hexachlorobenzene	8.834	284	1515	0.217	ug/ml#	69
82)	Pentachlorophenol	9.022	266	588	0.157	ug/ml#	18
89)	Phenanthrene	9.216	178	6332	0.219	ug/ml	99
90)	Anthracene	9.263	178	5834	0.210	ug/ml	98
91)	Carbazole	9.428	167	5246	0.203	ug/ml	98
92)	Di-n-butylphthalate	9.810	149	5809	0.201	ug/ml#	78
93)	Fluoranthene	10.363	202	7188	0.212	ug/ml#	96
94)	Benzidine	10.510	184	1486	0.081	ug/ml#	68
95)	Pyrene	10.587	202	7092	0.200	ug/ml	98
97)	Butyl benzyl phthalate	11.287	149	2327	0.185	ug/ml#	89
105)	Benzo(a)anthracene	11.816	228	7286	0.199	ug/ml	97
106)	3,3'-Dichlorobenzidine	11.816	252	2403	0.183	ug/ml#	97
107)	Chrysene	11.857	228	7834M3	0.224	ug/ml	
108)	Bis(2-ethylhexyl)phtha...	11.928	149	3099	0.170	ug/ml#	99
109)	Di-n-octylphthalate	12.604	149	5296	0.181	ug/ml#	99
110)	Benzo(b)fluoranthene	12.922	252	6980	0.198	ug/ml#	95
111)	Benzo(k)fluoranthene	12.951	252	7179M3	0.204	ug/ml	
112)	Benzo(a)pyrene	13.239	252	6687	0.202	ug/ml#	95
114)	Indeno(1,2,3-cd)pyrene	14.286	276	6822M6	0.194	ug/mL	
115)	Dibenzo(a,h)anthracene	14.310	278	6520	0.191	ug/ml#	94
116)	Benzo(ghi)perylene	14.551	276	6954	0.197	ug/ml#	90

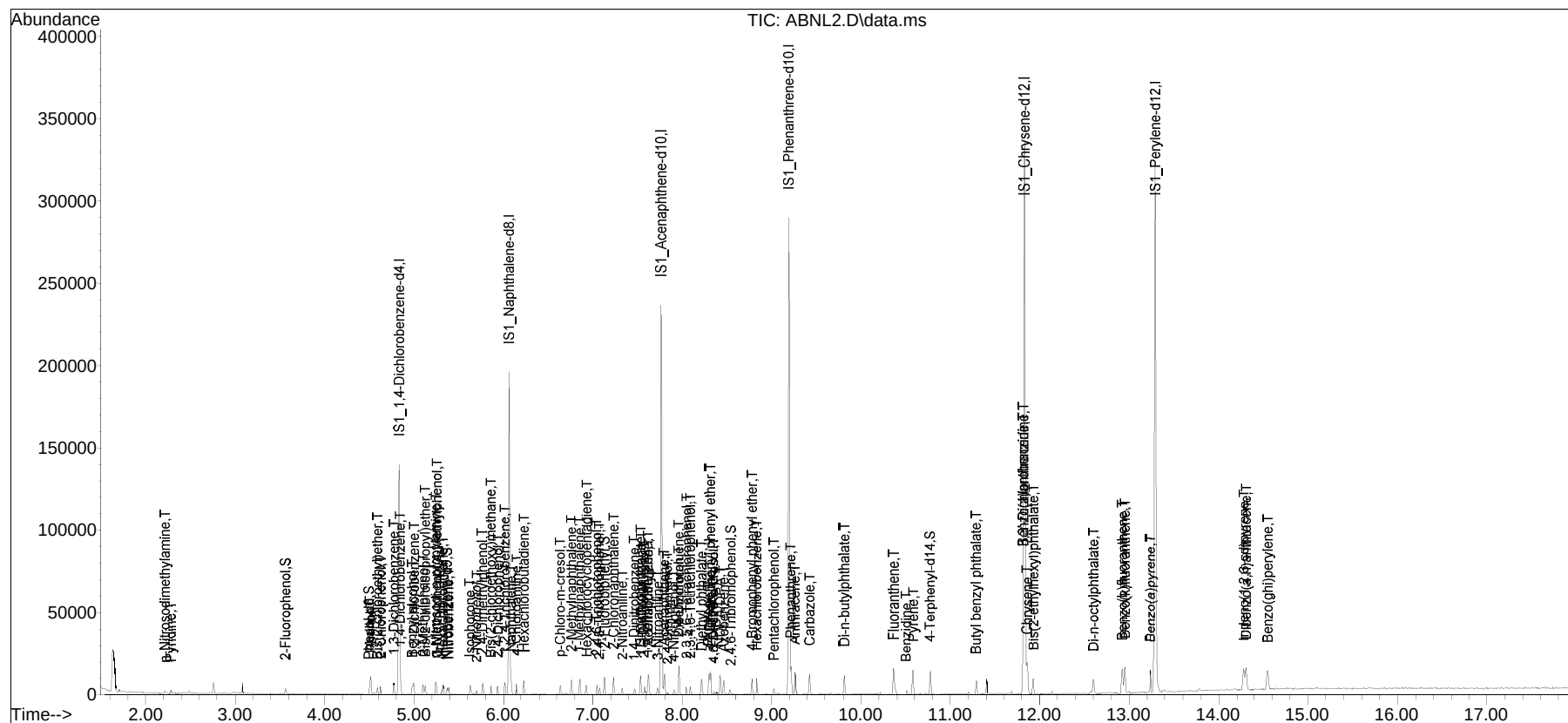
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

```
Data Path   : I:\8270\SV112\250313RVTical\
Data File  : ABNL2.D
Acq On     : 13 Mar 2025   04:26 pm
Operator   : SV112:lvg
Sample     : IL9,32,,ABNL0.2 Lot# 11432
Misc       : WG2040627
ALS Vial   : 8      Sample Multiplier: 1
```

Quant Time: Mar 14 10:47:42 2025
Quant Method : I:\8270\SV112\250313RVTical\FS250313SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 13 20:22:59 2025
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublistTical\ABNL6.D•

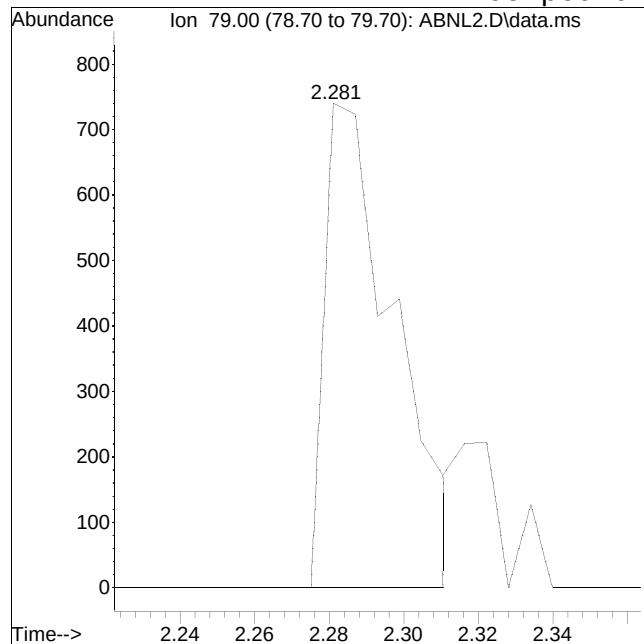


Manual Integration Report

Data Path : I:\8270\SV112\250313RVT\data.ms
Data File : ABNL2.D
Date Inj'd : 3/13/2025 4:26 pm
Sample : IL9,32,,ABNL0.2 Lot# 11432

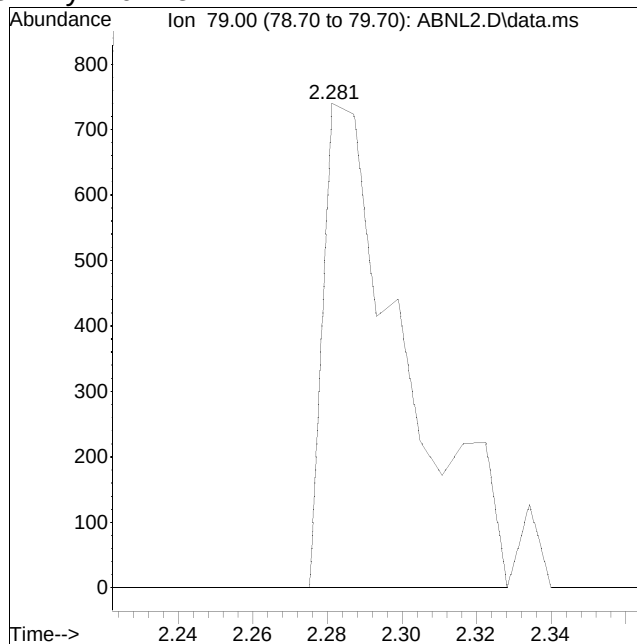
Method : FS250313SV112RVT.m
Operator : SV112:ljl
Instrument : SV112
Quant Date : 3/13/2025 8:23 pm

Compound #3: Pyridine



Original Peak Response = 958

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

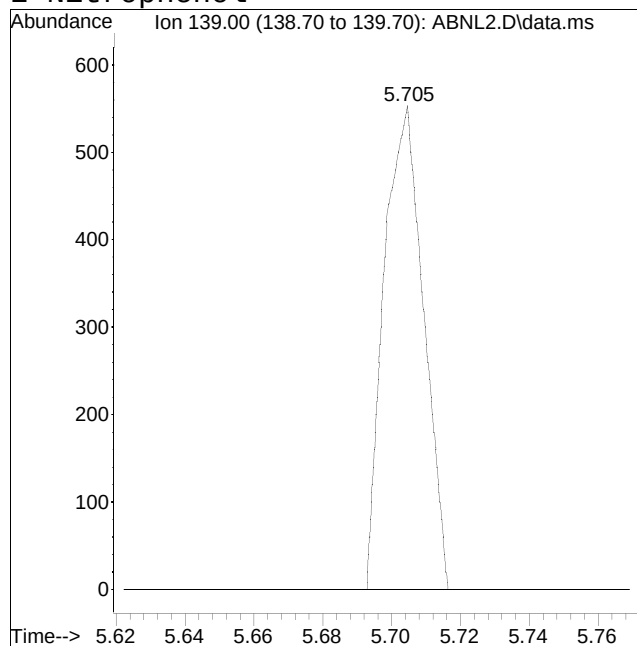
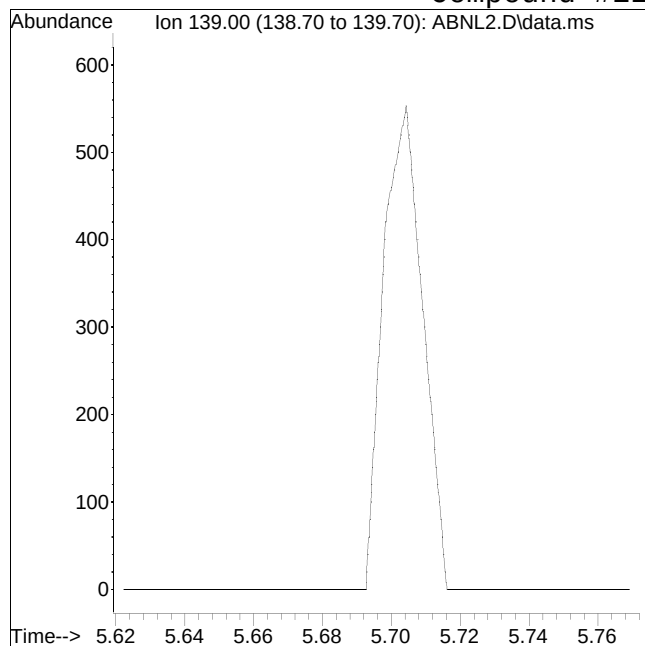


Manual Peak Response = 1115 M1

Manual Integration Report

Data Path : I:\8270\SV112\250313RVTica01
Data File : ABNL2.D
Date Inj'd : 3/13/2025 4:26 pm
Sample : IL9,32,,ABNL0.2 Lot# 11432
Method : FS250313SV112RVT.m
Operator : SV112:lvg
Instrument : SV112
Quant Date : 3/13/2025 8:23 pm

Compound #22: 2-Nitrophenol



Original Peak Response = 0

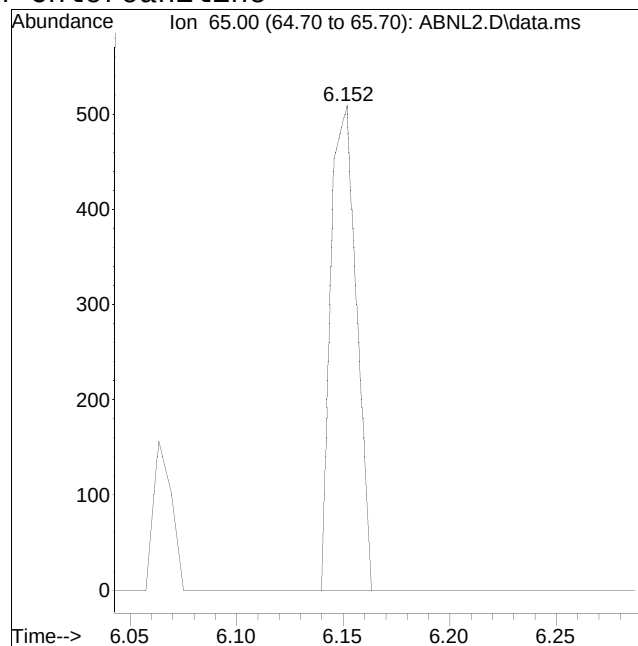
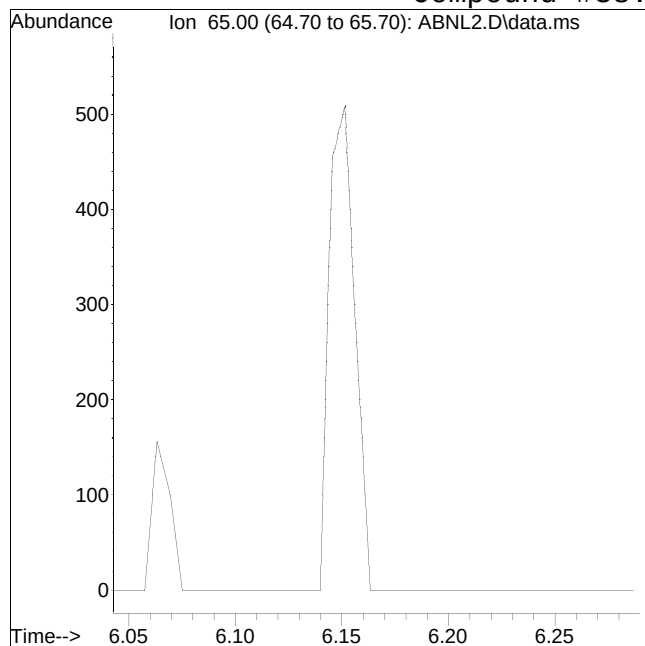
Manual Peak Response = 440 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250313RVTica01
Data File : ABNL2.D
Date Inj'd : 3/13/2025 4:26 pm
Sample : IL9,32,,ABNL0.2 Lot# 11432
Method : FS250313SV112RVT.m
Operator : SV112:lvg
Instrument : SV112
Quant Date : 3/13/2025 8:23 pm

Compound #38: 4-Chloroaniline



Original Peak Response = 0

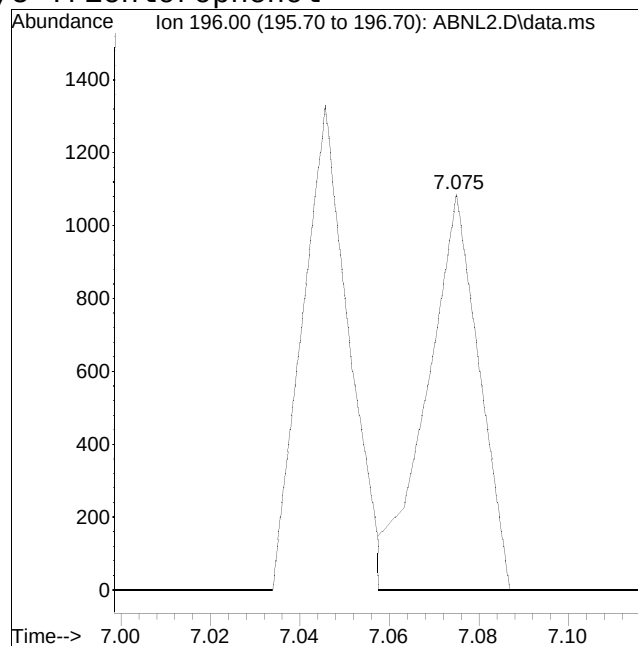
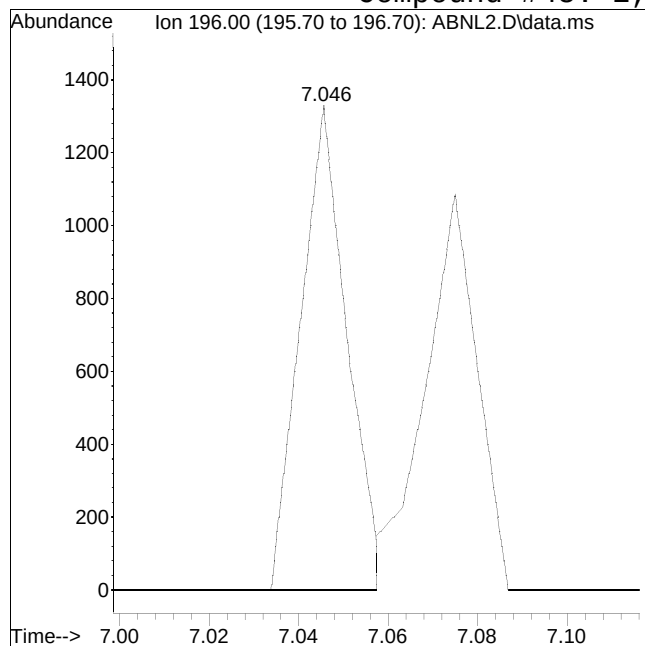
Manual Peak Response = 427 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250313RVTica01
Data File : ABNL2.D
Date Inj'd : 3/13/2025 4:26 pm
Sample : IL9,32,,ABNL0.2 Lot# 11432
Method : FS250313SV112RVT.m
Operator : SV112:ljb
Instrument : SV112
Quant Date : 3/13/2025 8:23 pm

Compound #45: 2,4,5-Trichlorophenol



Original Peak Response = 971

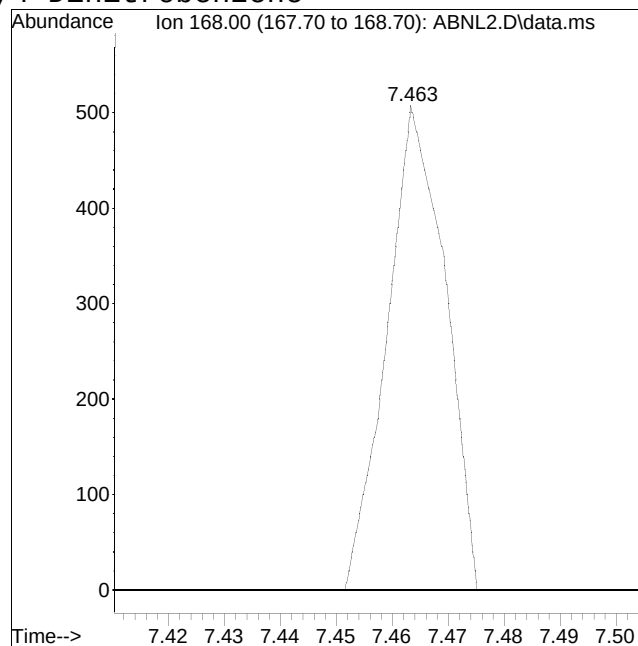
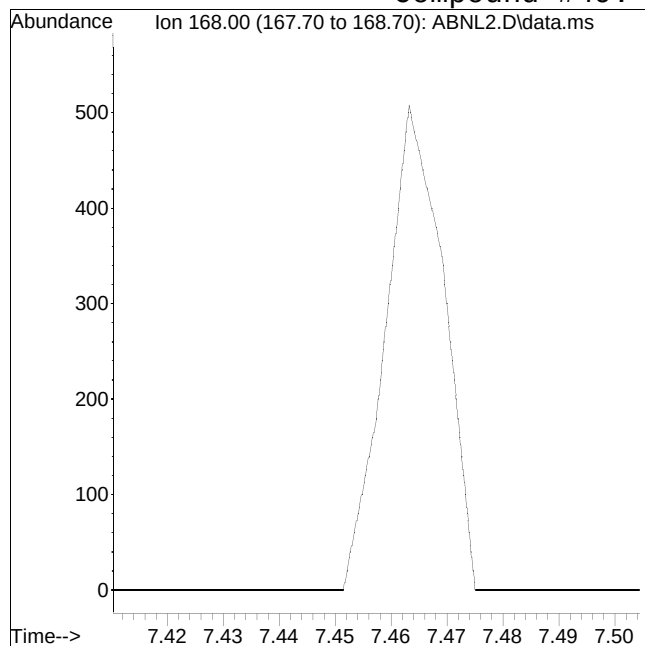
Manual Peak Response = 862 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250313RVTica01
Data File : ABNL2.D
Date Inj'd : 3/13/2025 4:26 pm
Sample : IL9,32,,ABNL0.2 Lot# 11432
Method : FS250313SV112RVT.m
Operator : SV112:ljb
Instrument : SV112
Quant Date : 3/13/2025 8:23 pm

Compound #49: 1,4-Dinitrobenzene



Original Peak Response = 0

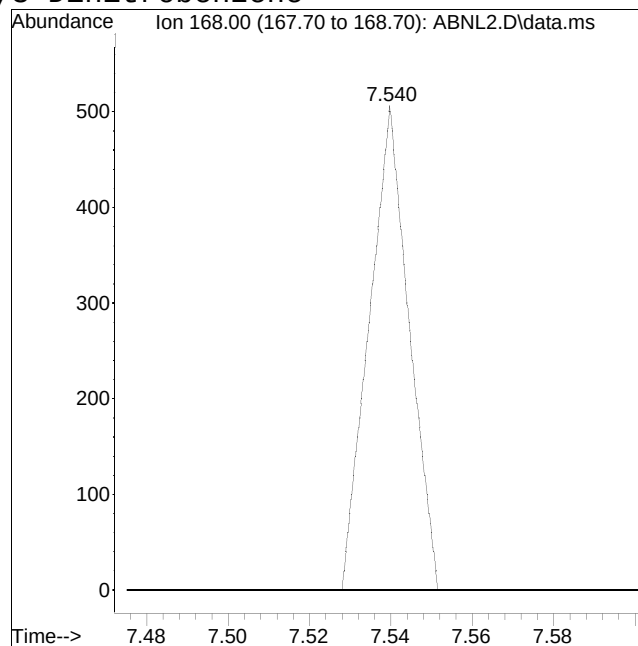
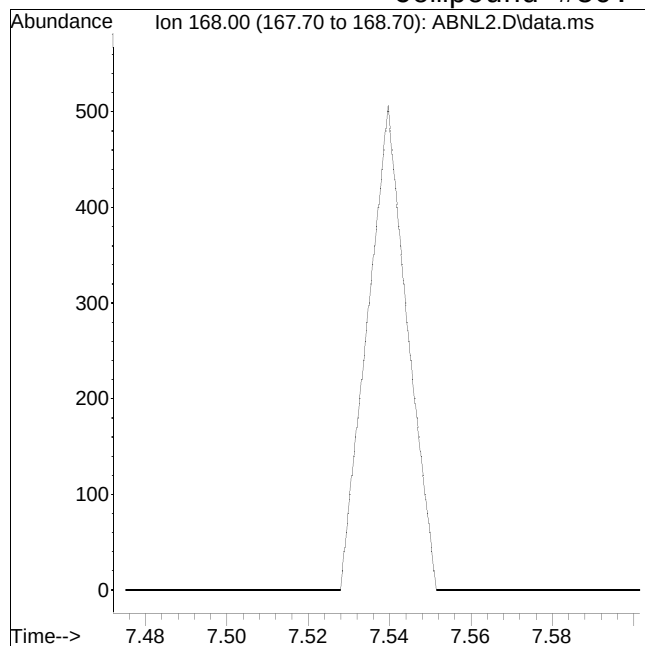
Manual Peak Response = 366 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250313RVTica01
Data File : ABNL2.D
Date Inj'd : 3/13/2025 4:26 pm
Sample : IL9,32,,ABNL0.2 Lot# 11432
Method : FS250313SV112RVT.m
Operator : SV112:ljb
Instrument : SV112
Quant Date : 3/13/2025 8:23 pm

Compound #50: 1,3-Dinitrobenzene



Original Peak Response = 0

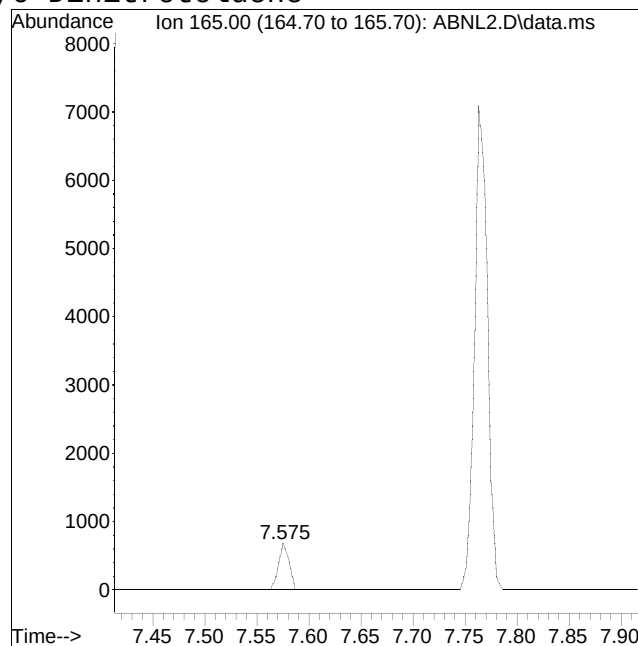
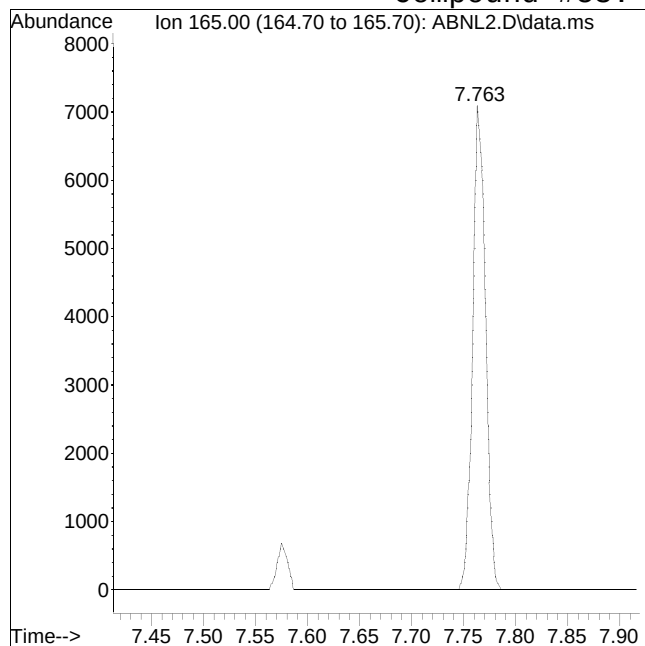
Manual Peak Response = 344 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250313RVTica01
Data File : ABNL2.D
Date Inj'd : 3/13/2025 4:26 pm
Sample : IL9,32,,ABNL0.2 Lot# 11432
Method : FS250313SV112RVT.m
Operator : SV112:ljj
Instrument : SV112
Quant Date : 3/13/2025 8:23 pm

Compound #53: 2,6-Dinitrotoluene



Original Peak Response = 6106

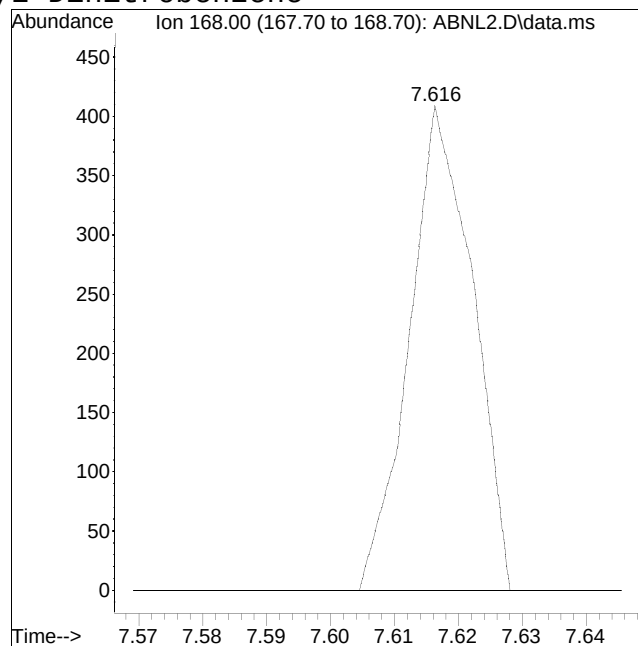
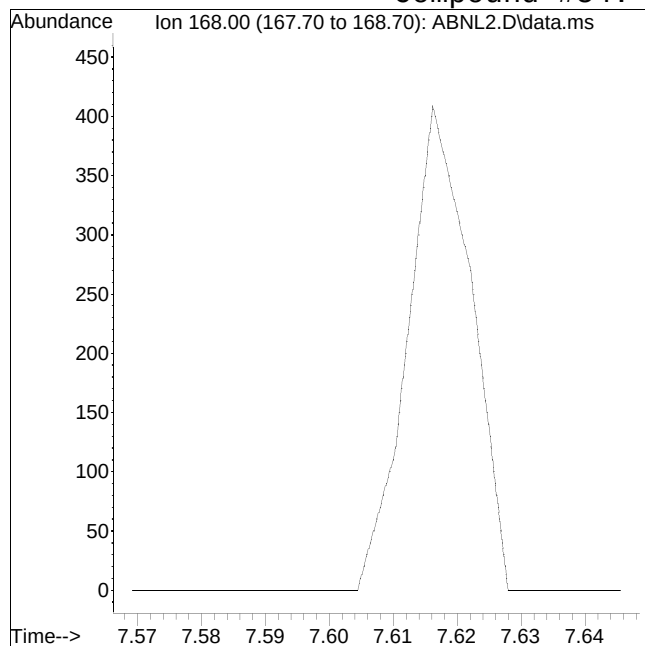
Manual Peak Response = 476 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250313RVTica01
Data File : ABNL2.D
Date Inj'd : 3/13/2025 4:26 pm
Sample : IL9,32,,ABNL0.2 Lot# 11432
Method : FS250313SV112RVT.m
Operator : SV112:lvg
Instrument : SV112
Quant Date : 3/13/2025 8:23 pm

Compound #54: 1,2-Dinitrobenzene



Original Peak Response = 0

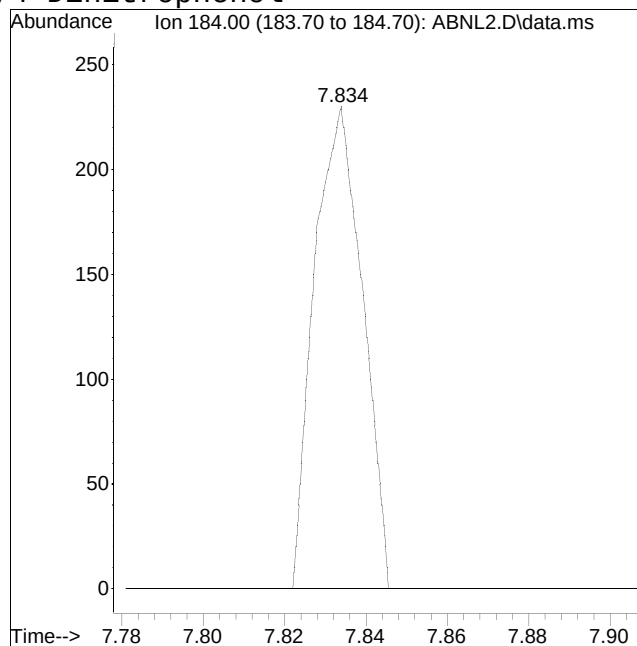
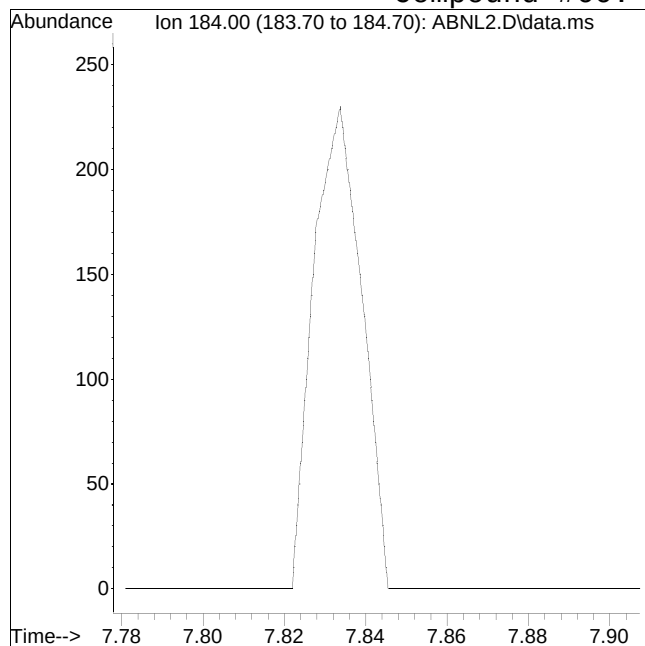
Manual Peak Response = 281 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250313RVTica01
Data File : ABNL2.D
Date Inj'd : 3/13/2025 4:26 pm
Sample : IL9,32,,ABNL0.2 Lot# 11432
Method : FS250313SV112RVT.m
Operator : SV112:ljj
Instrument : SV112
Quant Date : 3/13/2025 8:23 pm

Compound #66: 2,4-Dinitrophenol



Original Peak Response = 0

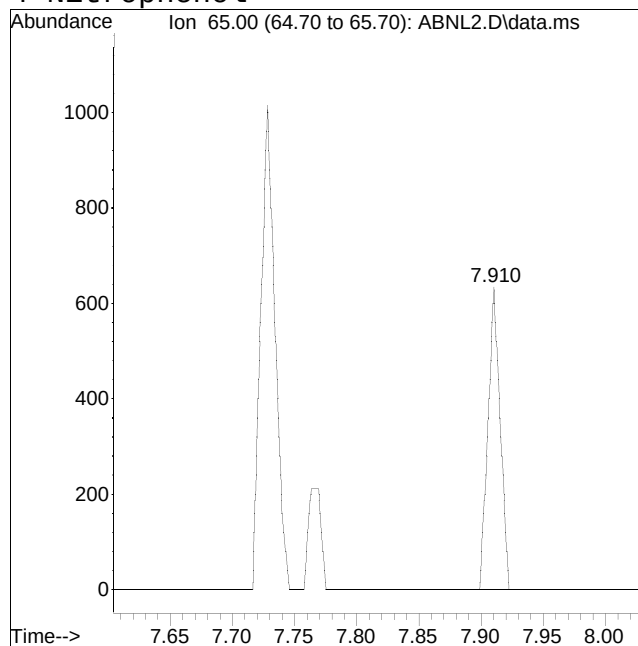
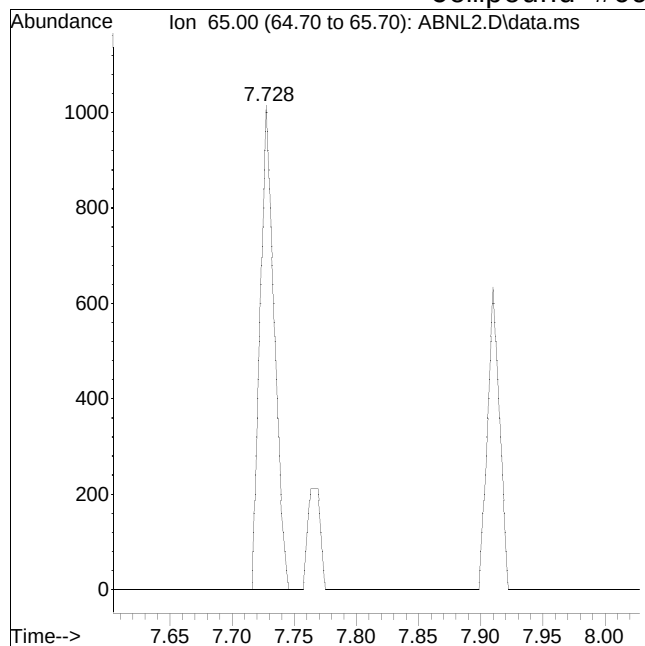
Manual Peak Response = 189 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250313RVTica01
Data File : ABNL2.D
Date Inj'd : 3/13/2025 4:26 pm
Sample : IL9,32,,ABNL0.2 Lot# 11432
Method : FS250313SV112RVT.m
Operator : SV112:ljj
Instrument : SV112
Quant Date : 3/13/2025 8:23 pm

Compound #69: 4-Nitrophenol



Original Peak Response = 810

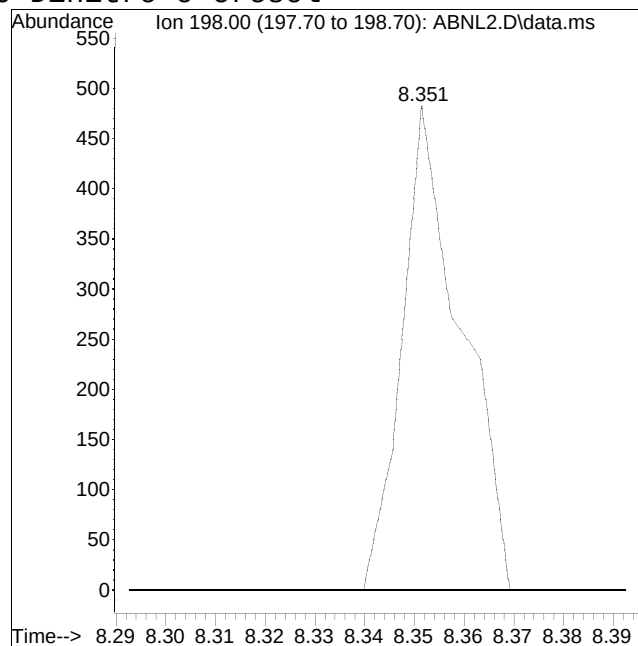
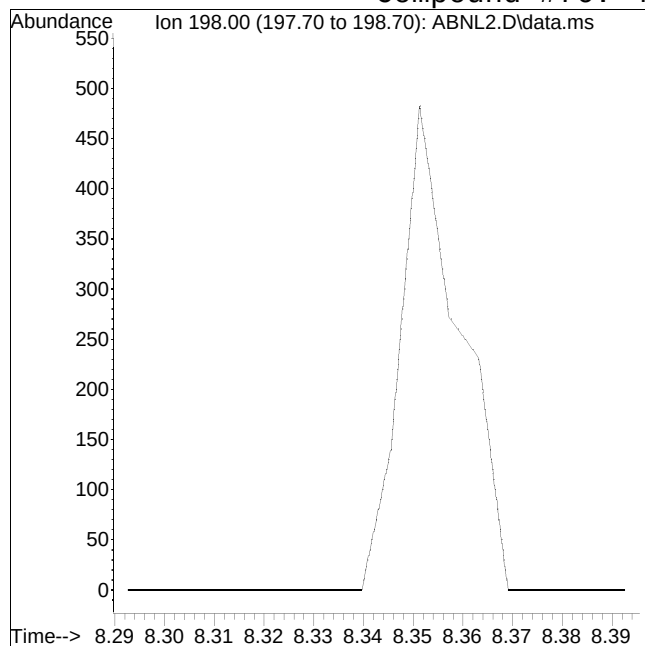
Manual Peak Response = 429 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250313RVTica01
Data File : ABNL2.D
Date Inj'd : 3/13/2025 4:26 pm
Sample : IL9,32,,ABNL0.2 Lot# 11432
Method : FS250313SV112RVT.m
Operator : SV112:ljb
Instrument : SV112
Quant Date : 3/13/2025 8:23 pm

Compound #76: 4,6-Dinitro-o-cresol



Original Peak Response = 0

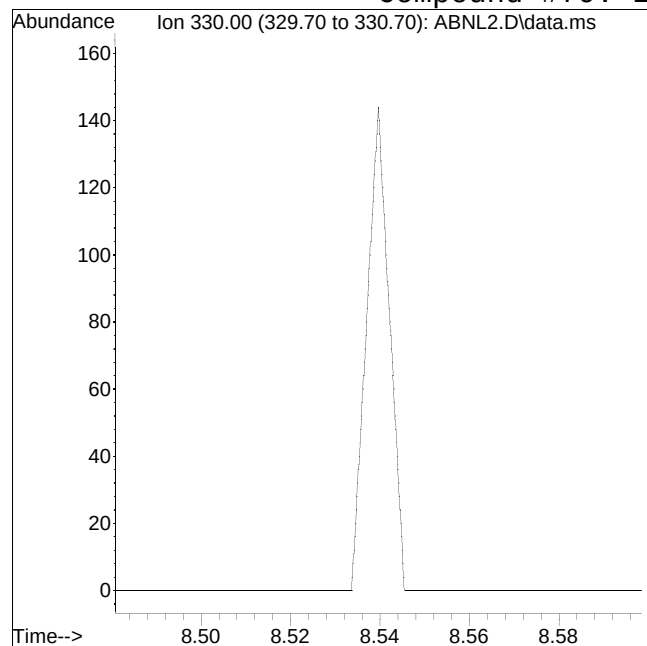
Manual Peak Response = 397 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

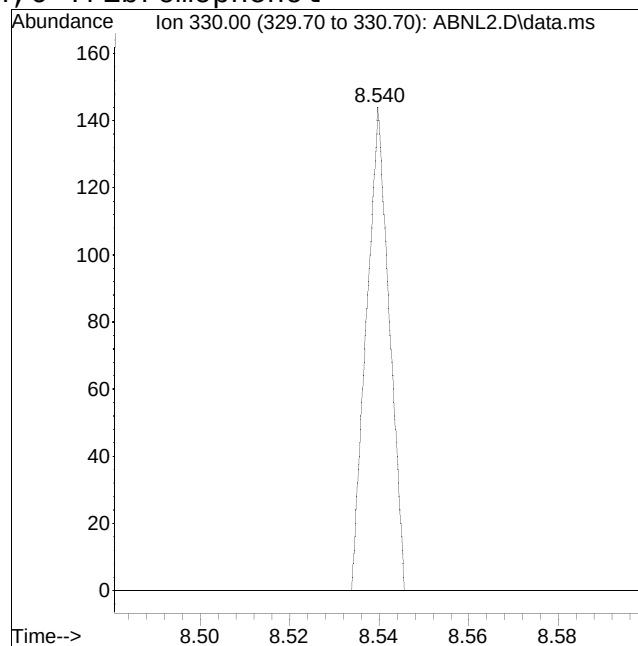
Data Path : I:\8270\SV112\250313RVTica01
Data File : ABNL2.D
Date Inj'd : 3/13/2025 4:26 pm
Sample : IL9,32,,ABNL0.2 Lot# 11432
Method : FS250313SV112RVT.m
Operator : SV112:ljb
Instrument : SV112
Quant Date : 3/13/2025 8:23 pm

Compound #79: 2,4,6-Tribromophenol



Original Peak Response = 0

M2 = Peak not found by automatic integration algorithm.

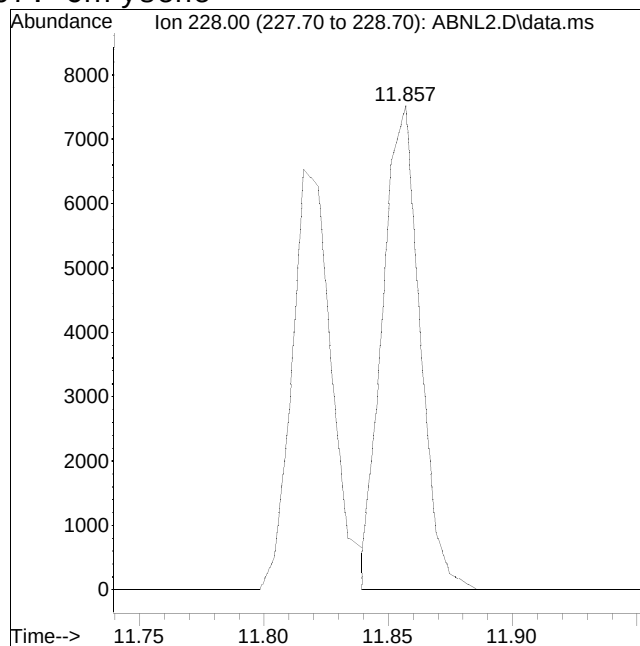
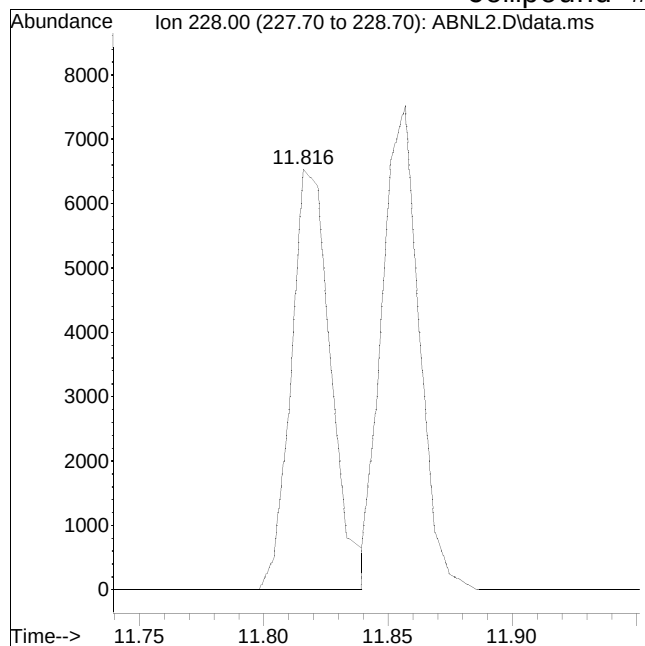


Manual Peak Response = 51 M2

Manual Integration Report

Data Path : I:\8270\SV112\250313RVTica01
Data File : ABNL2.D
Date Inj'd : 3/13/2025 4:26 pm
Sample : IL9,32,,ABNL0.2 Lot# 11432
Method : FS250313SV112RVT.m
Operator : SV112:ljj
Instrument : SV112
Quant Date : 3/13/2025 8:23 pm

Compound #107: Chrysene



Original Peak Response = 7286

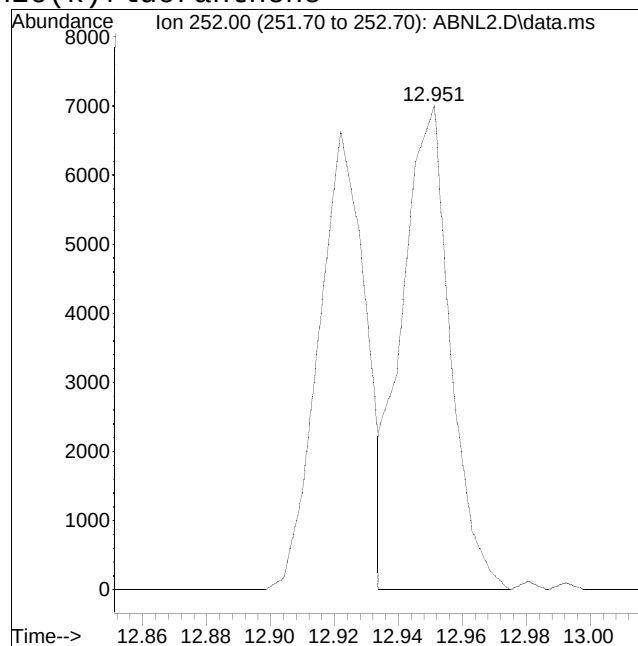
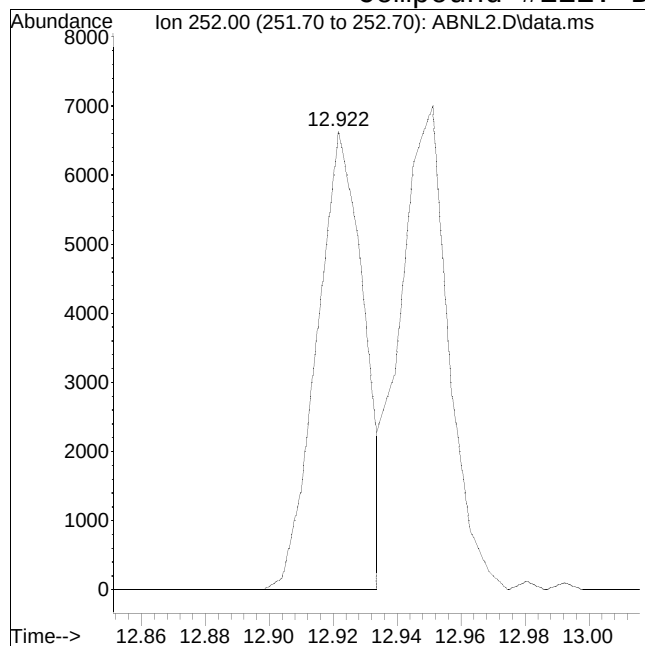
Manual Peak Response = 7834 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250313RVTica01
Data File : ABNL2.D
Date Inj'd : 3/13/2025 4:26 pm
Sample : IL9,32,,ABNL0.2 Lot# 11432
Method : FS250313SV112RVT.m
Operator : SV112:ljj
Instrument : SV112
Quant Date : 3/13/2025 8:23 pm

Compound #111: Benzo(k)fluoranthene



Original Peak Response = 6980

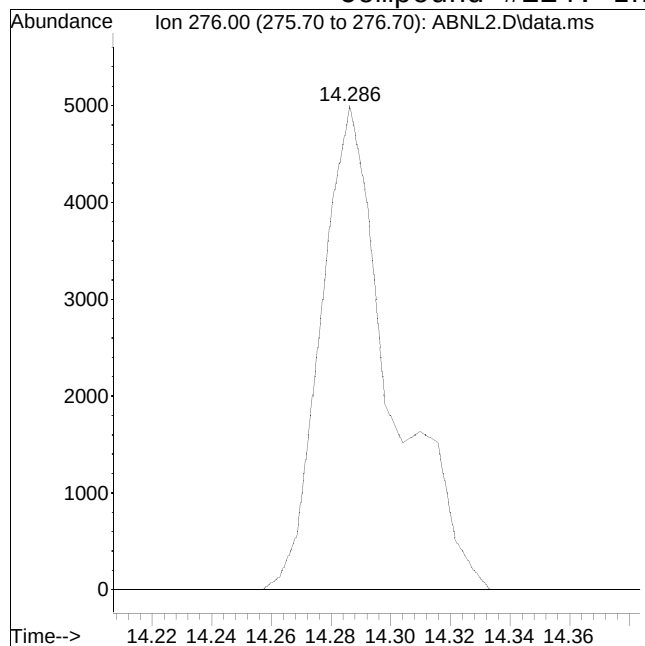
Manual Peak Response = 7179 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

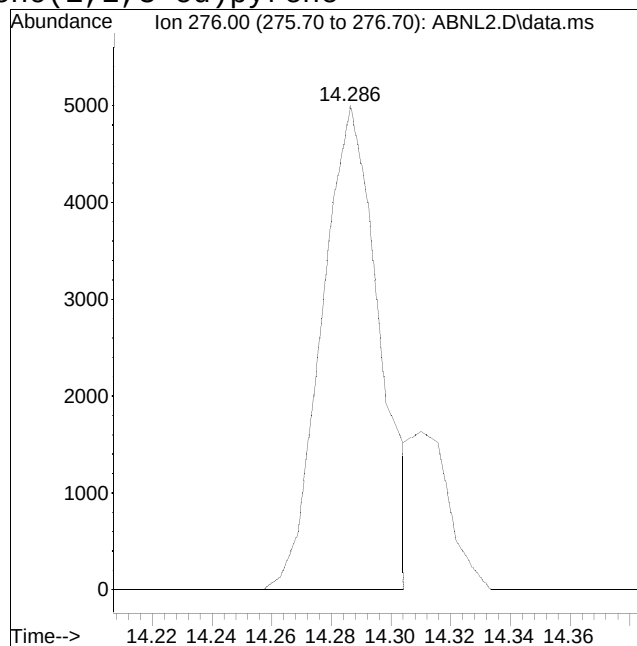
Data Path : I:\8270\SV112\250313RVTica01
Data File : ABNL2.D
Date Inj'd : 3/13/2025 4:26 pm
Sample : IL9,32,,ABNL0.2 Lot# 11432
Method : FS250313SV112RVT.m
Operator : SV112:ljj
Instrument : SV112
Quant Date : 3/13/2025 8:23 pm

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 8194

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Peak Response = 6822 M6

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250313RVTical\
 Data File : ABNL1.D
 Acq On : 13 Mar 2025 04:49 pm
 Operator : SV112:ljpg
 Sample : IL10,32,,ABNL0.1 Lot# 11433
 Misc : WG2040627
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 14 10:46:35 2025
 Quant Method : I:\8270\SV112\250313RVTical\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Mar 13 20:22:59 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250313RVTical\ABNL6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.834	152	21768	4.000	ug/ml	0.00
Standard Area 1 = 23356			Recovery =	93.20%		
35) IS1_Naphthalene-d8	6.063	136	80129	4.000	ug/ml	0.00
Standard Area 1 = 87070			Recovery =	92.03%		
63) IS1_Acenaphthene-d10	7.763	164	48505	4.000	ug/ml	0.00
Standard Area 1 = 56356			Recovery =	86.07%		
88) IS1_Phenanthrene-d10	9.193	188	108043	4.000	ug/ml	# 0.00
Standard Area 1 = 122535			Recovery =	88.17%		
104) IS1_Chrysene-d12	11.828	240	118821	4.000	ug/ml	# 0.00
Standard Area 1 = 141005			Recovery =	84.27%		
113) IS1_Perylene-d12	13.292	264	128937	4.000	ug/ml	0.00
Standard Area 1 = 153196			Recovery =	84.16%		
System Monitoring Compounds						
4) 2-Fluorophenol	3.564	112	531	0.090	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	4.50%#		
7) Phenol-d6	4.499	99	778	0.106	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	5.30%#		
19) Nitrobenzene-d5	5.369	82	677	0.098	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	9.80%#		
46) 2-Fluorobiphenyl	7.128	172	2124	0.116	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	11.60%#		
79) 2,4,6-Tribromophenol	8.528	330	190M2	0.065	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	3.25%#		
96) 4-Terphenyl-d14	10.769	244	3507	0.124	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	12.40%#		
Target Compounds						
						Qvalue
2) n-Nitrosodimethylamine	2.222	74	291M2	0.077	ug/ml	
3) Pyridine	2.305	79	565M2	0.085	ug/ml	
5) Aniline	4.511	93	749	0.078	ug/ml#	35
6) 2-Chlorophenol	4.628	128	830	0.122	ug/ml#	34
8) Phenol	4.516	94	881	0.102	ug/ml#	47
9) Bis(2-chloroethyl)ether	4.593	93	646	0.103	ug/ml#	78
10) 1,3-Dichlorobenzene	4.775	146	830	0.104	ug/ml#	68
11) 1,4-Dichlorobenzene	4.846	146	950	0.114	ug/ml#	89
12) 1,2-Dichlorobenzene	4.993	146	891	0.112	ug/ml#	24
13) Benzyl alcohol	4.981	79	530	0.100	ug/ml#	13

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250313RVTical\
 Data File : ABNL1.D
 Acq On : 13 Mar 2025 04:49 pm
 Operator : SV112:ljb
 Sample : IL10,32,,ABNL0.1 Lot# 11433
 Misc : WG2040627
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 14 10:46:35 2025
 Quant Method : I:\8270\SV112\250313RVTical\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Mar 13 20:22:59 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250313RVTical\ABNL6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
14)	Bis(2-chloroisopropyl)...	5.128	45	988	0.108	ug/ml#	62
15)	2-Methylphenol	5.105	108	590	0.103	ug/ml#	80
16)	Hexachloroethane	5.322	117	375M2	0.123	ug/ml	
17)	n-Nitrosodi-n-propylamine	5.246	70	544	0.111	ug/ml#	62
18)	3-Methylphenol/4-Methy...	5.258	108	754	0.119	ug/ml#	94
20)	Nitrobenzene	5.387	77	705	0.100	ug/ml#	38
21)	Isophorone	5.634	82	1352	0.103	ug/ml#	67
22)	2-Nitrophenol	5.705	139	311M2	0.096	ug/ml	
23)	2,4-Dimethylphenol	5.769	107	717	0.106	ug/ml#	68
24)	Bis(2-chloroethoxy)met...	5.858	93	1085	0.123	ug/ml#	50
25)	2,4-Dichlorophenol	5.940	162	538	0.087	ug/ml#	25
26)	1,2,4-Trichlorobenzene	6.016	180	855	0.109	ug/ml#	83
36)	Naphthalene	6.087	128	2418	0.118	ug/ml#	47
37)	Benzoic Acid	0.000		0	N.D.		
38)	4-Chloroaniline	6.152	65	236M2	0.092	ug/ml	
39)	Hexachlorobutadiene	6.234	225	657	0.126	ug/ml#	19
40)	p-Chloro-m-cresol	6.640	107	538	0.094	ug/ml#	71
41)	2-Methylnaphthalene	6.763	142	1510	0.118	ug/ml	93
42)	1-Methylnaphthalene	6.852	115	555	0.114	ug/ml	94
43)	Hexachlorocyclopentadiene	6.934	237	692	0.110	ug/ml#	27
44)	2,4,6-Trichlorophenol	7.046	196	632	0.117	ug/ml#	84
45)	2,4,5-Trichlorophenol	7.075	196	517M3	0.095	ug/ml	
47)	2-Chloronaphthalene	7.228	162	1753	0.117	ug/ml	91
48)	2-Nitroaniline	7.334	138	316M2	0.078	ug/ml	
49)	1,4-Dinitrobenzene	7.463	168	265M2	0.120	ug/ml	
50)	1,3-Dinitrobenzene	7.540	168	274M2	0.111	ug/ml	
51)	Dimethyl phthalate	7.534	163	2394	0.125	ug/ml#	77
52)	Acenaphthylene	7.628	152	2799	0.115	ug/ml#	85
53)	2,6-Dinitrotoluene	7.575	165	329M3	0.094	ug/ml	
54)	1,2-Dinitrobenzene	7.616	168	129M2	0.079	ug/ml	
64)	3-Nitroaniline	7.728	138	419M2	0.112	ug/ml	
65)	Acenaphthene	7.799	154	1643	0.126	ug/ml	93
66)	2,4-Dinitrophenol	0.000		0	N.D.		
67)	Dibenzofuran	7.963	168	2899	0.130	ug/ml	89
68)	2,4-Dinitrotoluene	7.963	165	434M3	0.089	ug/ml	
69)	4-Nitrophenol	7.910	65	234M3	0.084	ug/ml	
70)	2,3,5,6-Tetrachlorophenol	8.052	232	430M2	0.090	ug/ml	
71)	2,3,4,6-Tetrachlorophenol	8.093	232	476M2	0.098	ug/ml	
72)	Diethyl phthalate	8.222	149	2185	0.120	ug/ml#	62
73)	Fluorene	8.293	166	2115	0.120	ug/ml#	89

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250313RVTical\
 Data File : ABNL1.D
 Acq On : 13 Mar 2025 04:49 pm
 Operator : SV112:ljb
 Sample : IL10,32,,ABNL0.1 Lot# 11433
 Misc : WG2040627
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Mar 14 10:46:35 2025
 Quant Method : I:\8270\SV112\250313RVTical\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Mar 13 20:22:59 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250313RVTical\ABNL6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
74)	4-Chlorophenyl phenyl ...	8.310	204	1154	0.124	ug/ml#	63
75)	4-Nitroaniline	8.316	138	324M2	0.083	ug/ml	
76)	4,6-Dinitro-o-cresol	8.352	198	171M2	0.060	ug/ml	
77)	NDPA/DPA	8.428	169	1558	0.108	ug/ml	86
78)	Azobenzene	8.463	77	1844	0.114	ug/ml#	55
80)	4-Bromophenyl phenyl e...	8.781	248	685	0.114	ug/ml#	43
81)	Hexachlorobenzene	8.834	284	891	0.125	ug/ml#	35
82)	Pentachlorophenol	9.022	266	340M2	0.089	ug/ml	
89)	Phenanthrene	9.216	178	3966	0.135	ug/ml	97
90)	Anthracene	9.263	178	3346	0.118	ug/ml	100
91)	Carbazole	9.428	167	2998	0.114	ug/ml#	87
92)	Di-n-butylphthalate	9.810	149	3247	0.110	ug/ml#	78
93)	Fluoranthene	10.369	202	4177	0.121	ug/ml	96
94)	Benzydine	10.510	184	596	0.032	ug/ml#	68
95)	Pyrene	10.581	202	4154	0.115	ug/ml	97
97)	Butyl benzyl phthalate	11.293	149	1232	0.096	ug/ml#	88
105)	Benzo(a)anthracene	11.822	228	4694	0.127	ug/ml	94
106)	3,3'-Dichlorobenzidine	11.816	252	1450	0.109	ug/ml#	84
107)	Chrysene	11.857	228	4544	0.128	ug/ml	95
108)	Bis(2-ethylhexyl)phtha...	11.928	149	1996	0.108	ug/ml#	95
109)	Di-n-octylphthalate	12.604	149	2989	0.101	ug/ml#	75
110)	Benzo(b)fluoranthene	12.922	252	4027	0.113	ug/ml#	93
111)	Benzo(k)fluoranthene	12.951	252	4380M3	0.123	ug/ml	
112)	Benzo(a)pyrene	13.240	252	3730	0.111	ug/ml#	83
114)	Indeno(1,2,3-cd)pyrene	14.287	276	3821M6	0.108	ug/mL	
115)	Dibenzo(a,h)anthracene	14.316	278	3733	0.109	ug/ml#	89
116)	Benzo(ghi)perylene	14.551	276	4281	0.121	ug/ml#	92

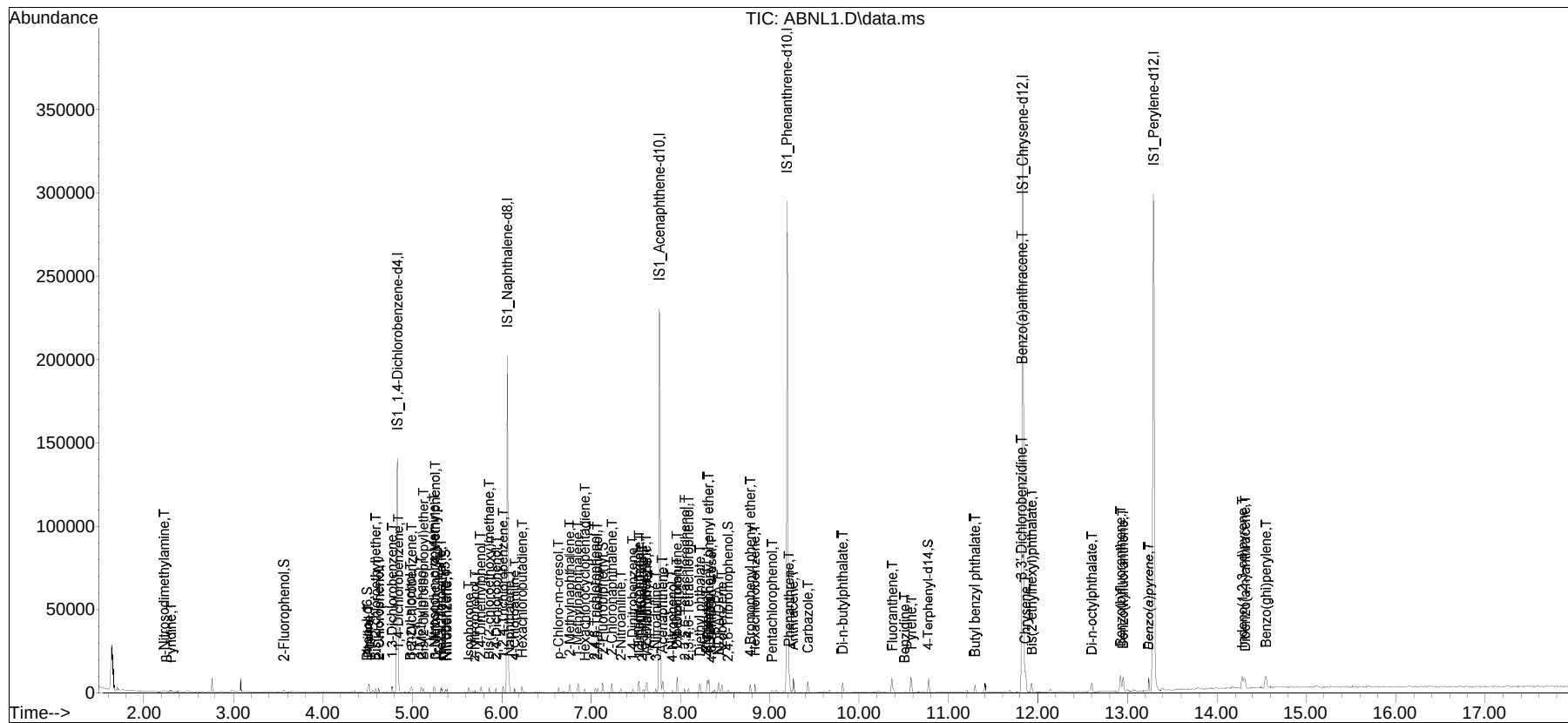
(#) = qualifier out of range (m) = manual integration (+) = signals summed

(QT Reviewed)

```
Data Path   : I:\8270\SV112\250313RVTical\  
Data File  : ABNL1.D  
Acq On     : 13 Mar 2025   04:49 pm  
Operator   : SV112:ljg  
Sample     : IL10,32,,ABNL0.1 Lot# 11433  
Misc      : WG2040627  
ALS Vial   : 9      Sample Multiplier: 1
```

Quant Time: Mar 14 10:46:35 2025
Quant Method : I:\8270\SV112\250313RVTical\FS250313SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Mar 13 20:22:59 2025
Response via : Initial Calibration

Sub List : ABNical - ABN ical sublistTical\ABNL6.D•

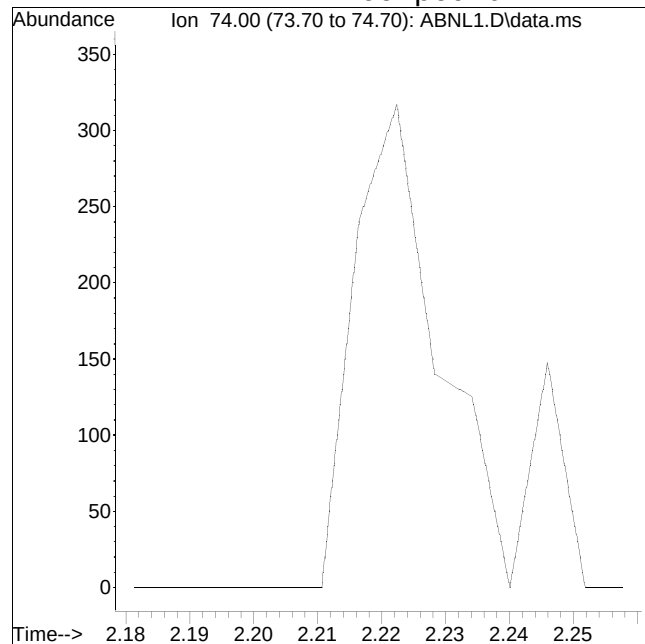


Manual Integration Report

Data Path : I:\8270\SV112\250313RVT\data.ms
Data File : ABNL1.D
Date Inj'd : 3/13/2025 4:49 pm
Sample : IL10,32,,ABNL0.1 Lot# 11430

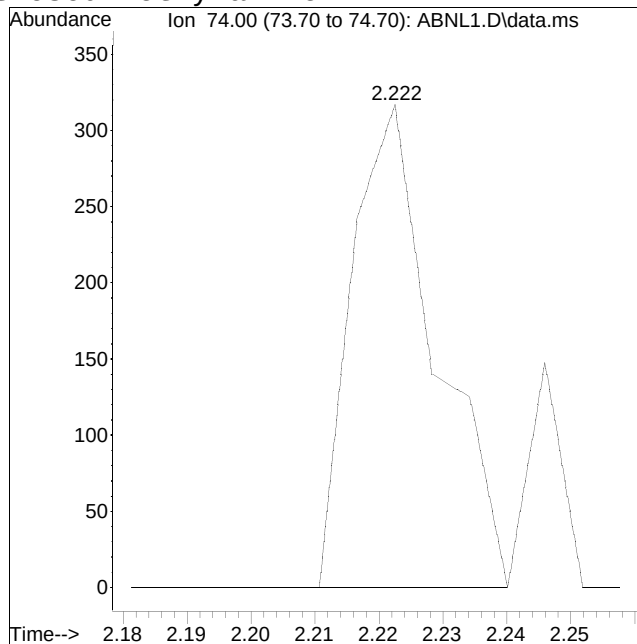
Method : FS250313SV112RVT.m
Operator : SV112:lbg
Instrument : SV112
Quant Date : 3/13/2025 8:23 pm

Compound #2: n-Nitrosodimethylamine



Original Peak Response = 0

M2 = Peak not found by automatic integration algorithm.

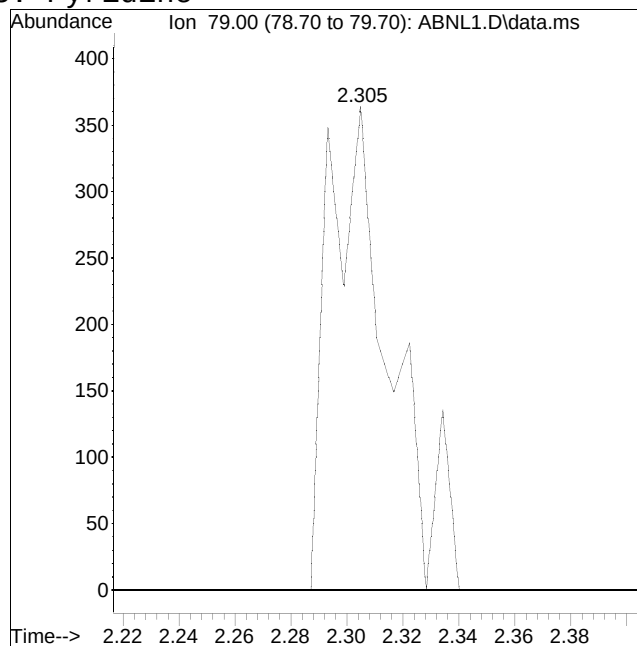
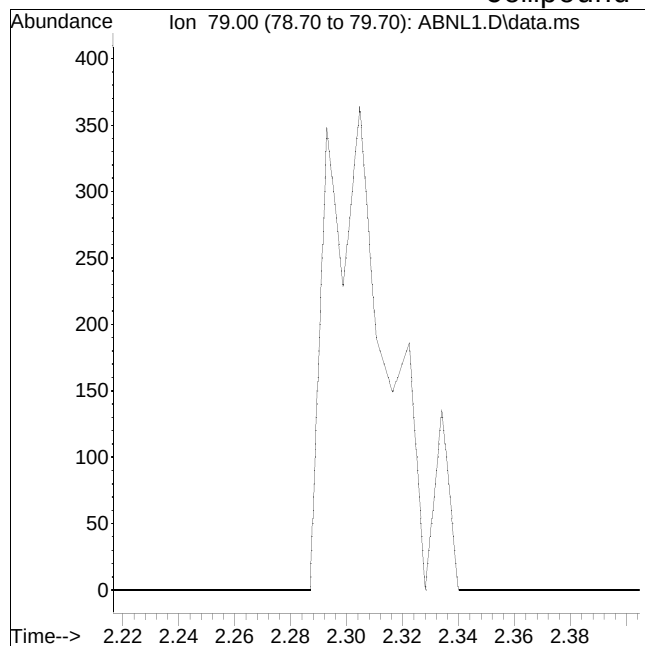


Manual Peak Response = 291 M2

Manual Integration Report

Data Path : I:\8270\SV112\250313RVTica01
Data File : ABNL1.D
Date Inj'd : 3/13/2025 4:49 pm
Sample : IL10,32,,ABNL0.1 Lot# 11430
Method : FS250313SV112RVT.m
Operator : SV112:ljj
Instrument : SV112
Quant Date : 3/13/2025 8:23 pm

Compound #3: Pyridine



Original Peak Response = 0

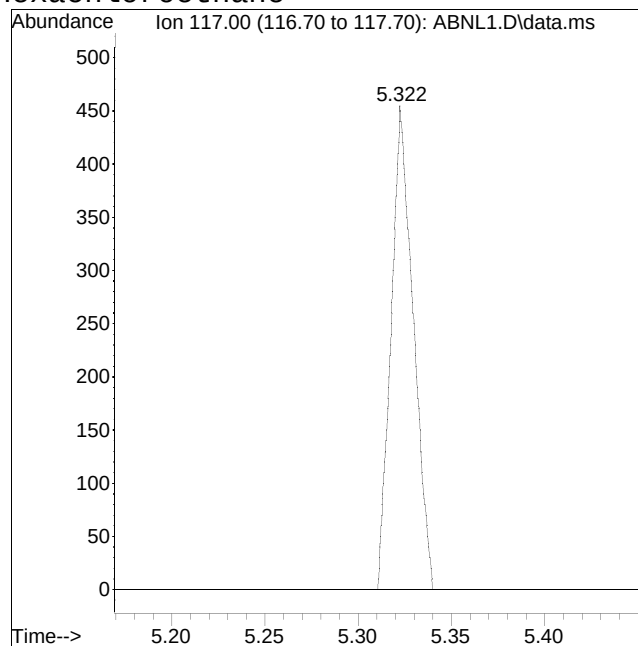
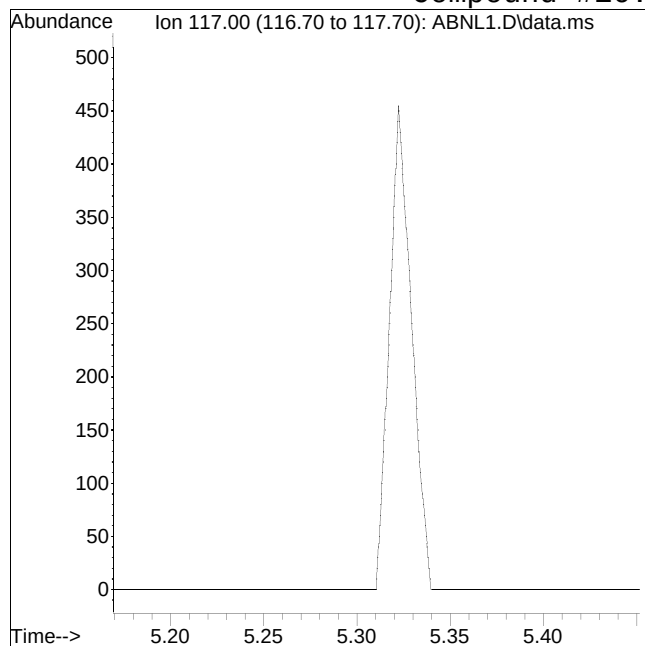
Manual Peak Response = 565 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250313RVTica01
Data File : ABNL1.D
Date Inj'd : 3/13/2025 4:49 pm
Sample : IL10,32,,ABNL0.1 Lot# 11430
Method : FS250313SV112RVT.m
Operator : SV112:ljb
Instrument : SV112
Quant Date : 3/13/2025 8:23 pm

Compound #16: Hexachloroethane



Original Peak Response = 0

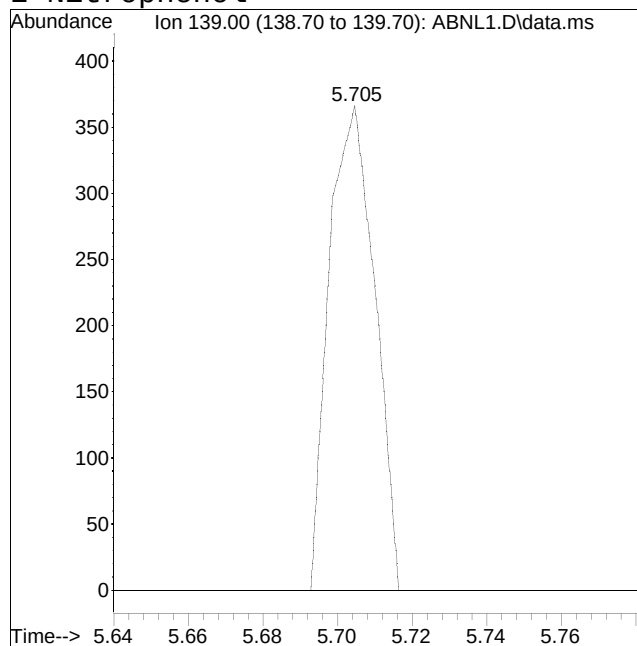
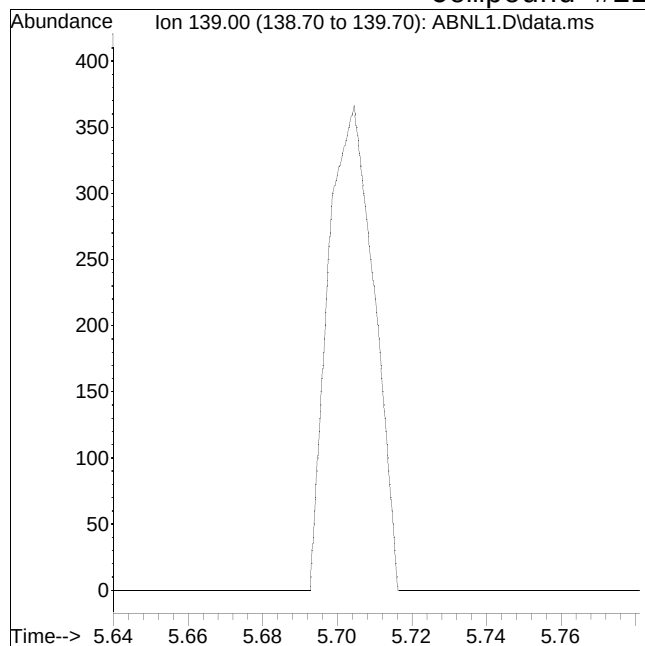
Manual Peak Response = 375 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250313RVTica01
Data File : ABNL1.D
Date Inj'd : 3/13/2025 4:49 pm
Sample : IL10,32,,ABNL0.1 Lot# 11430
Method : FS250313SV112RVT.m
Operator : SV112:lvg
Instrument : SV112
Quant Date : 3/13/2025 8:23 pm

Compound #22: 2-Nitrophenol



Original Peak Response = 0

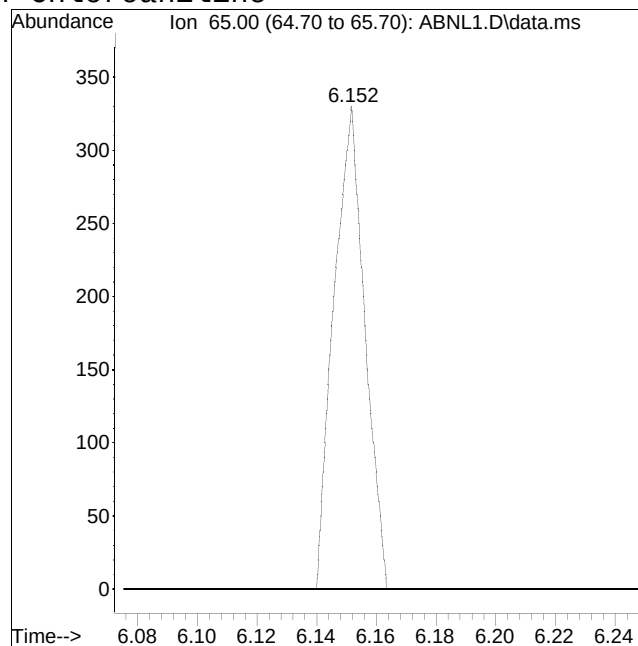
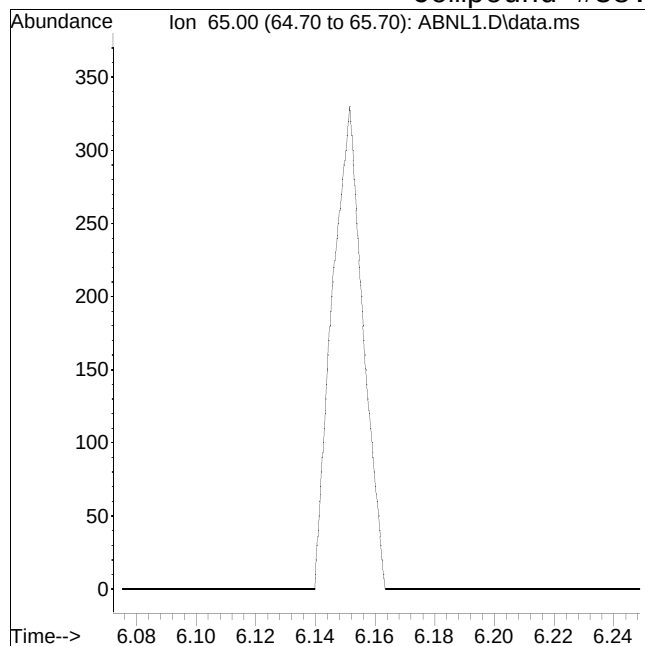
Manual Peak Response = 311 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250313RVTica01
Data File : ABNL1.D
Date Inj'd : 3/13/2025 4:49 pm
Sample : IL10,32,,ABNL0.1 Lot# 11430
Method : FS250313SV112RVT.m
Operator : SV112:ljb
Instrument : SV112
Quant Date : 3/13/2025 8:23 pm

Compound #38: 4-Chloroaniline



Original Peak Response = 0

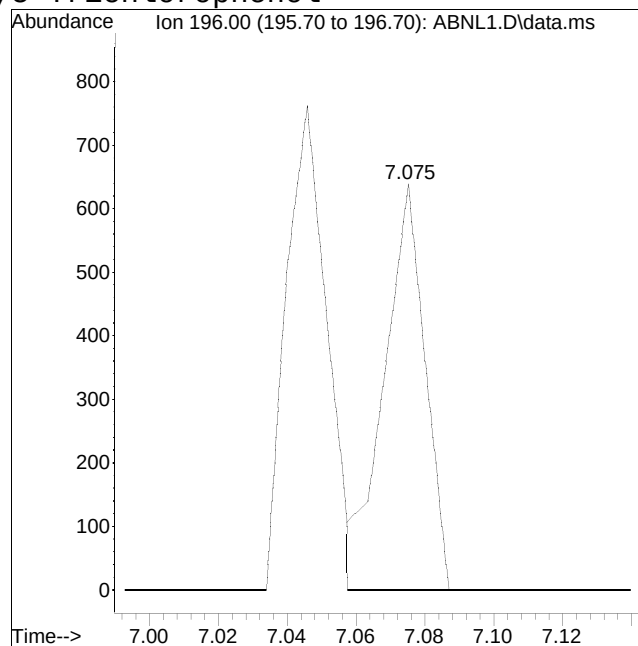
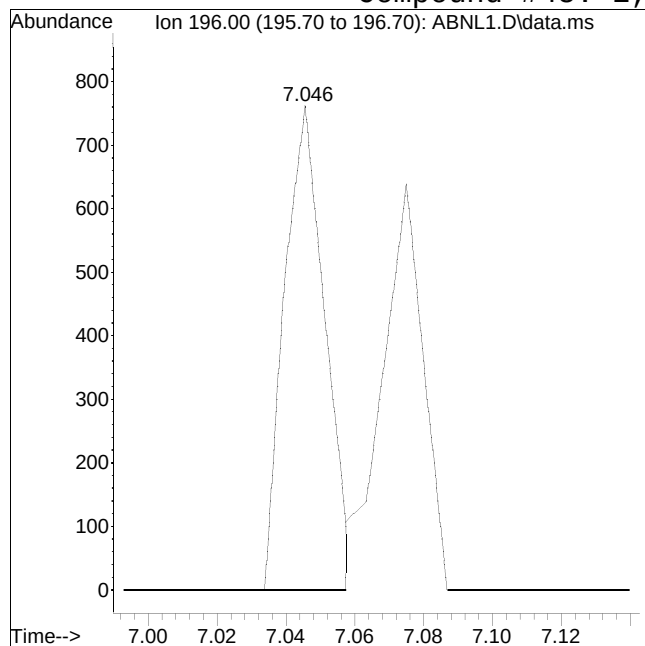
Manual Peak Response = 236 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250313RVTica01
Data File : ABNL1.D
Date Inj'd : 3/13/2025 4:49 pm
Sample : IL10,32,,ABNL0.1 Lot# 11430
Method : FS250313SV112RVT.m
Operator : SV112:ljb
Instrument : SV112
Quant Date : 3/13/2025 8:23 pm

Compound #45: 2,4,5-Trichlorophenol



Original Peak Response = 632

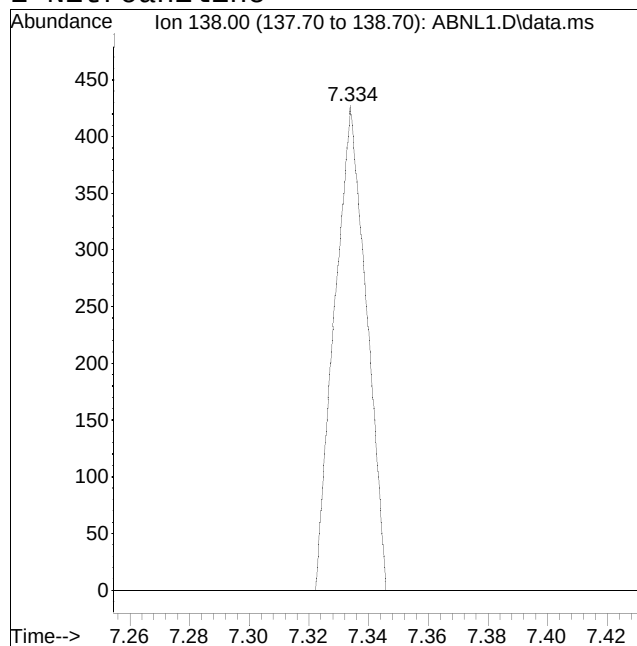
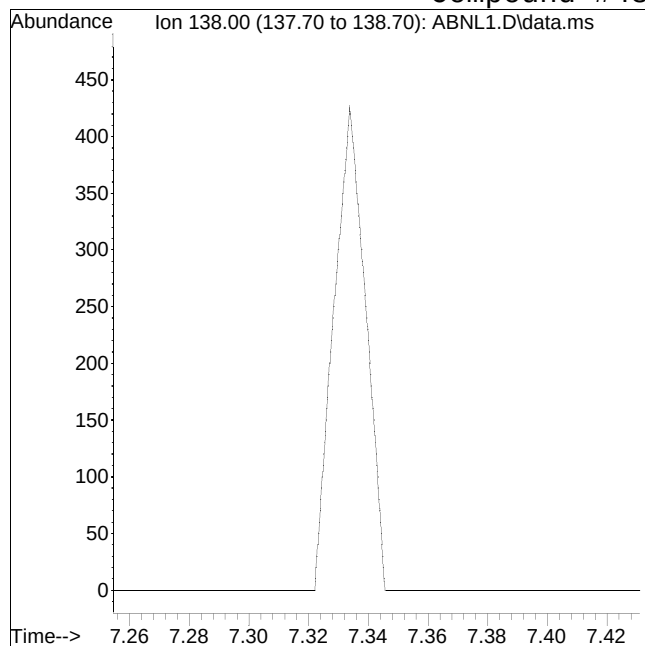
Manual Peak Response = 517 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250313RVTica01
Data File : ABNL1.D
Date Inj'd : 3/13/2025 4:49 pm
Sample : IL10,32,,ABNL0.1 Lot# 11430
Method : FS250313SV112RVT.m
Operator : SV112:lvg
Instrument : SV112
Quant Date : 3/13/2025 8:23 pm

Compound #48: 2-Nitroaniline



Original Peak Response = 0

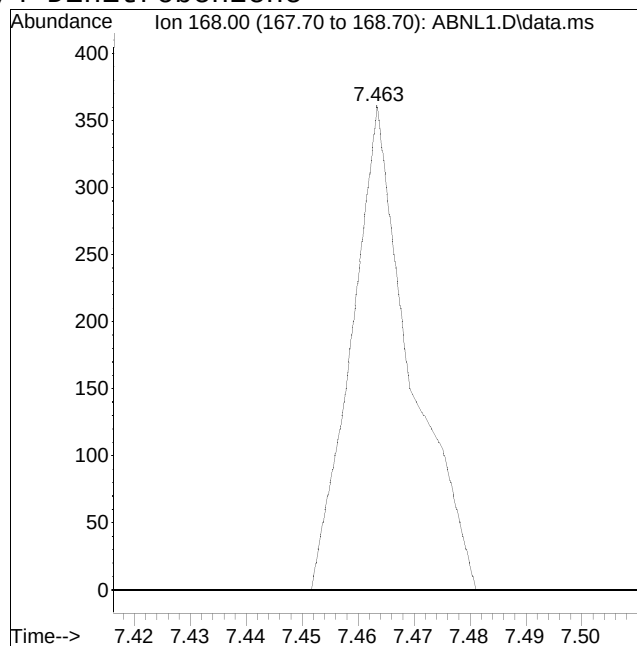
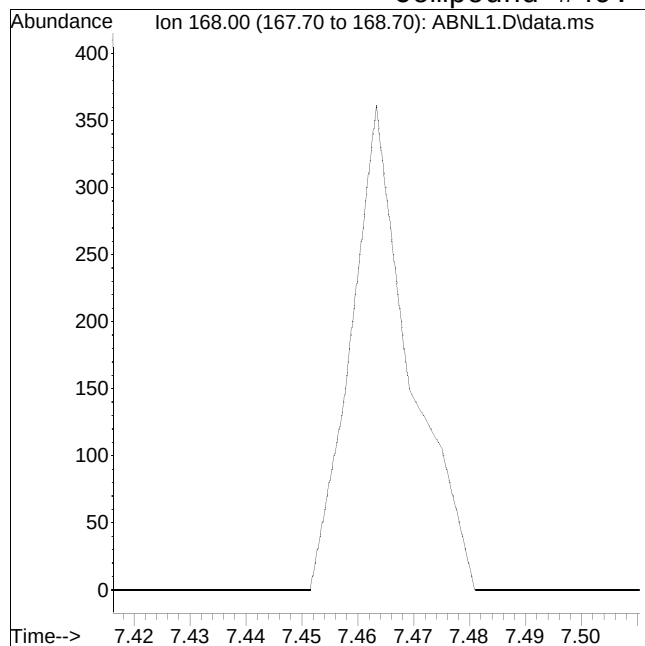
Manual Peak Response = 316 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250313RVTica01
Data File : ABNL1.D
Date Inj'd : 3/13/2025 4:49 pm
Sample : IL10,32,,ABNL0.1 Lot# 11430
Method : FS250313SV112RVT.m
Operator : SV112:ljj
Instrument : SV112
Quant Date : 3/13/2025 8:23 pm

Compound #49: 1,4-Dinitrobenzene



Original Peak Response = 0

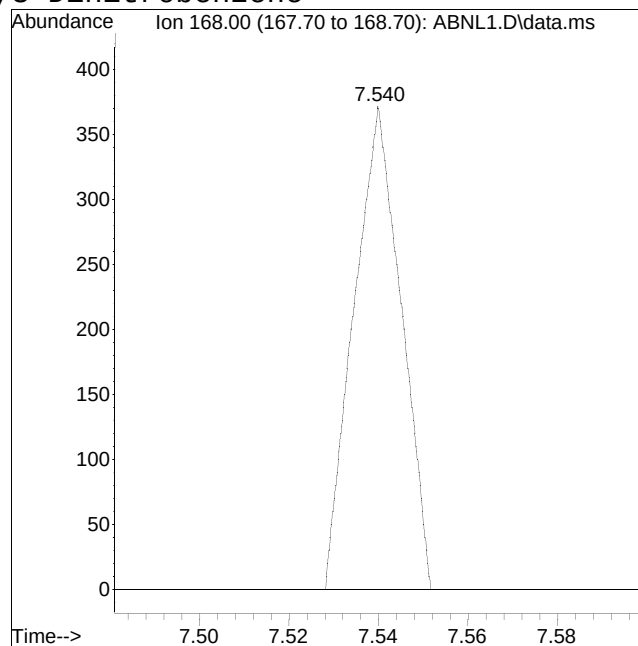
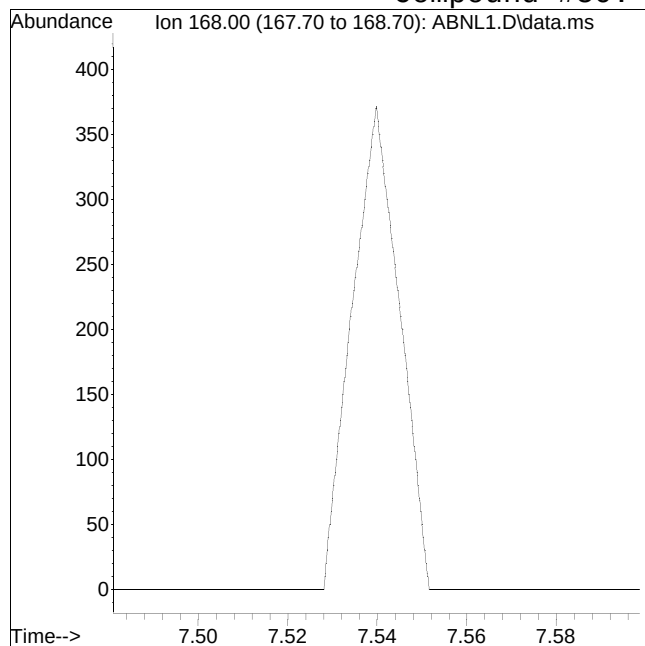
Manual Peak Response = 265 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250313RVTica01
Data File : ABNL1.D
Date Inj'd : 3/13/2025 4:49 pm
Sample : IL10,32,,ABNL0.1 Lot# 11430
Method : FS250313SV112RVT.m
Operator : SV112:lvg
Instrument : SV112
Quant Date : 3/13/2025 8:23 pm

Compound #50: 1,3-Dinitrobenzene



Original Peak Response = 0

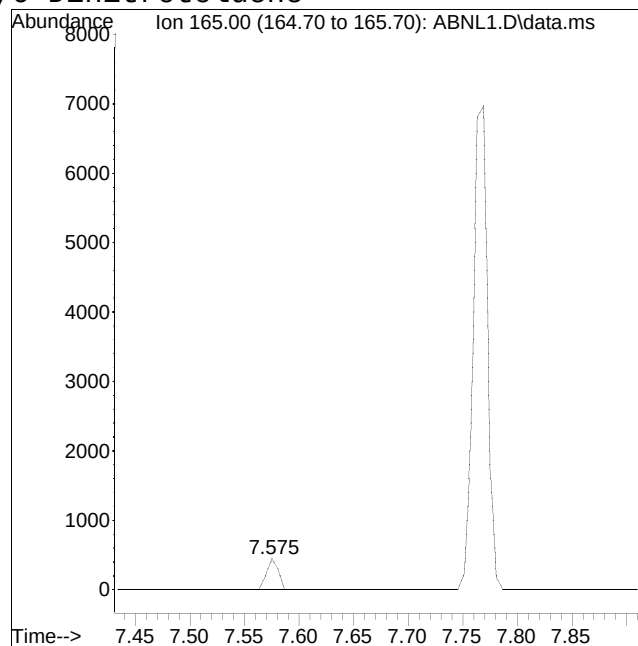
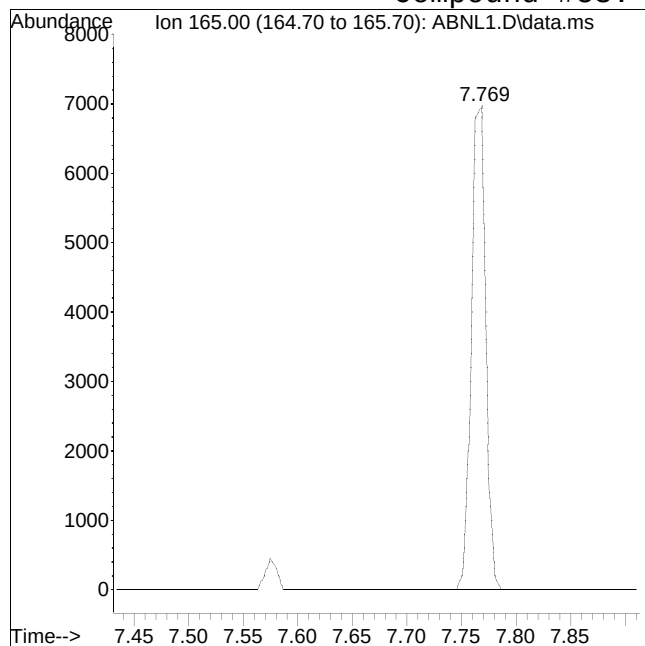
Manual Peak Response = 274 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250313RVTical\Method : FS250313SV112RVT.m
Data File : ABNL1.D Operator : SV112:ljb
Date Inj'd : 3/13/2025 4:49 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1143 Quant Date : 3/13/2025 8:23 pm

Compound #53: 2,6-Dinitrotoluene



Original Peak Response = 6389

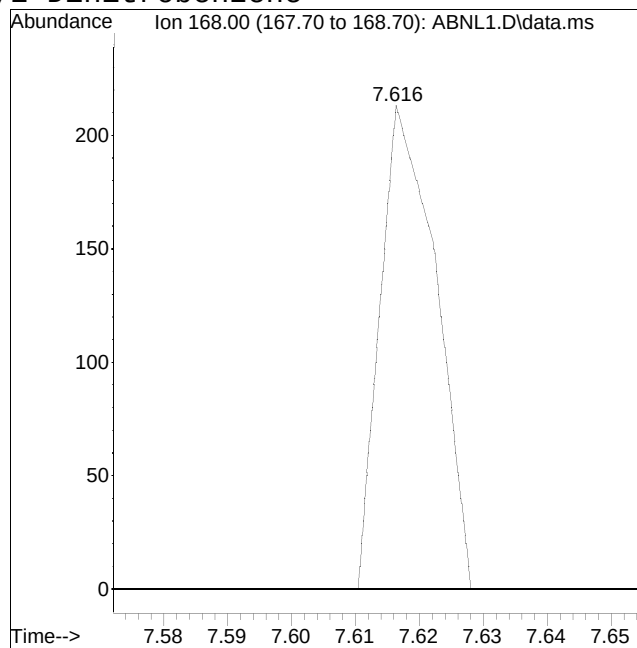
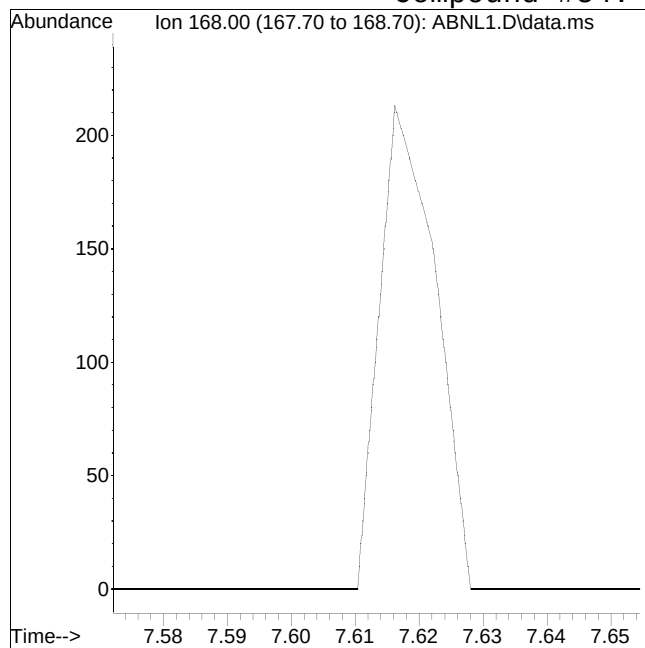
Manual Peak Response = 329 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250313RVT\data
Data File : ABNL1.D
Date Inj'd : 3/13/2025 4:49 pm
Sample : IL10,32,,ABNL0.1 Lot# 11430
Method : FS250313SV112RVT.m
Operator : SV112:lvg
Instrument : SV112
Quant Date : 3/13/2025 8:23 pm

Compound #54: 1,2-Dinitrobenzene



Original Peak Response = 0

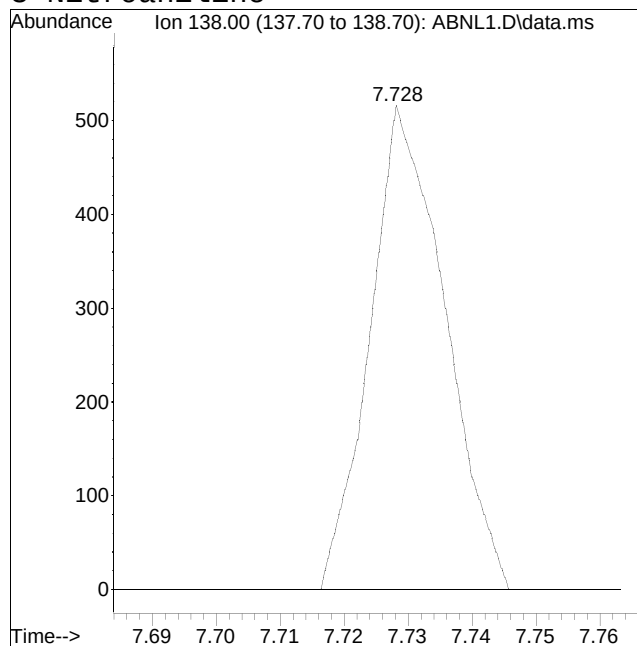
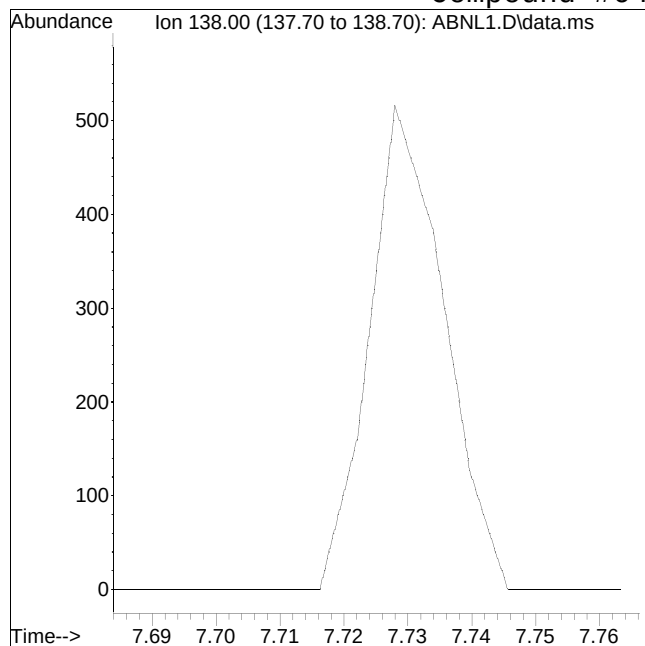
Manual Peak Response = 129 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250313RVTica01
Data File : ABNL1.D
Date Inj'd : 3/13/2025 4:49 pm
Sample : IL10,32,,ABNL0.1 Lot# 11430
Method : FS250313SV112RVT.m
Operator : SV112:lvg
Instrument : SV112
Quant Date : 3/13/2025 8:23 pm

Compound #64: 3-Nitroaniline



Original Peak Response = 0

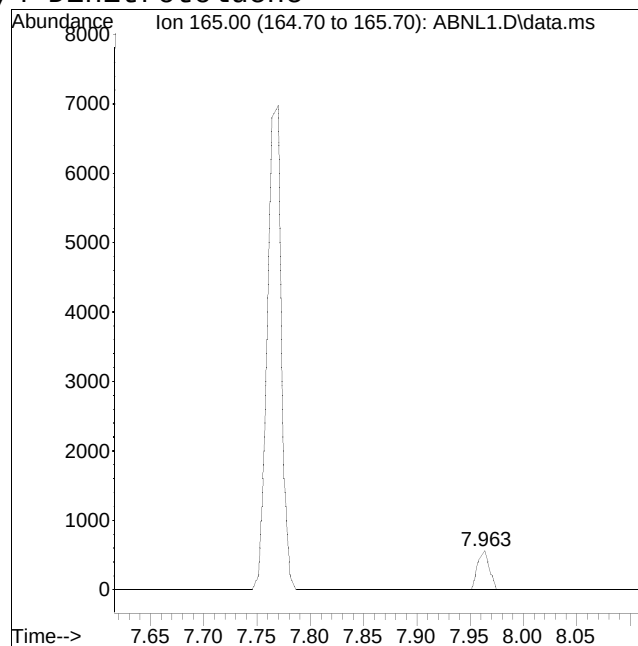
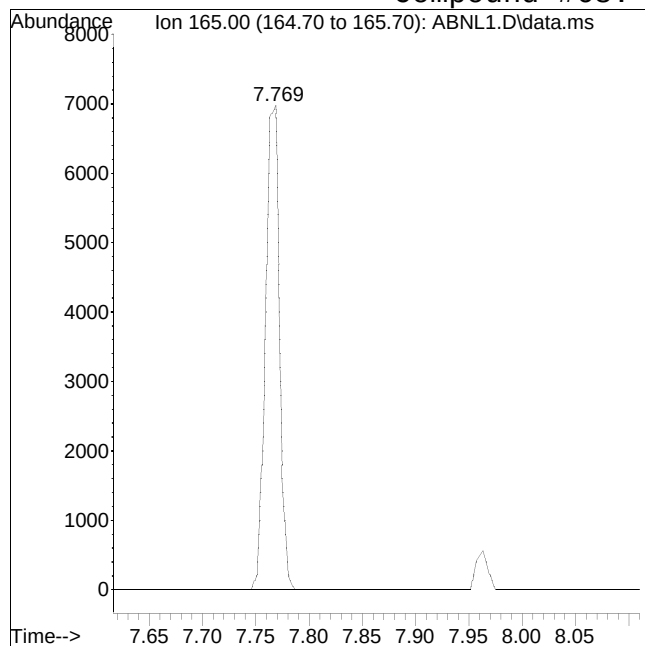
Manual Peak Response = 419 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250313RVTical\Method : FS250313SV112RVT.m
Data File : ABNL1.D Operator : SV112:ljb
Date Inj'd : 3/13/2025 4:49 pm Instrument : SV112
Sample : IL10,32,,ABNL0.1 Lot# 1143 Quant Date : 3/13/2025 8:23 pm

Compound #68: 2,4-Dinitrotoluene



Original Peak Response = 6389

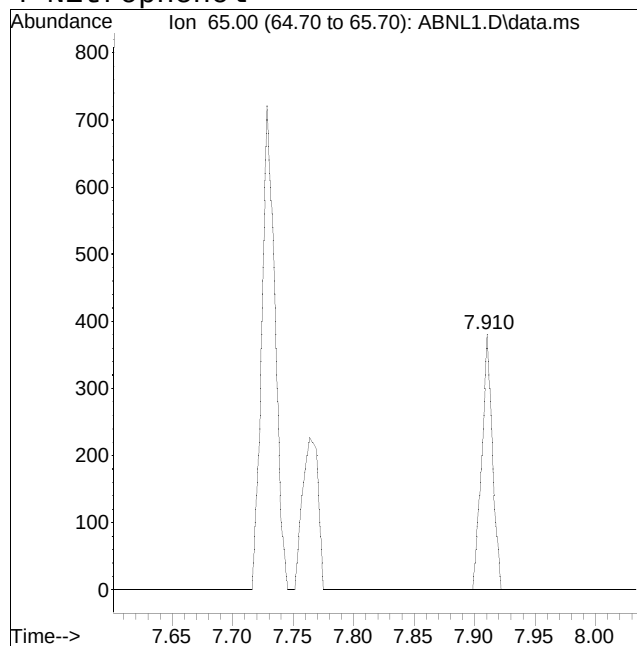
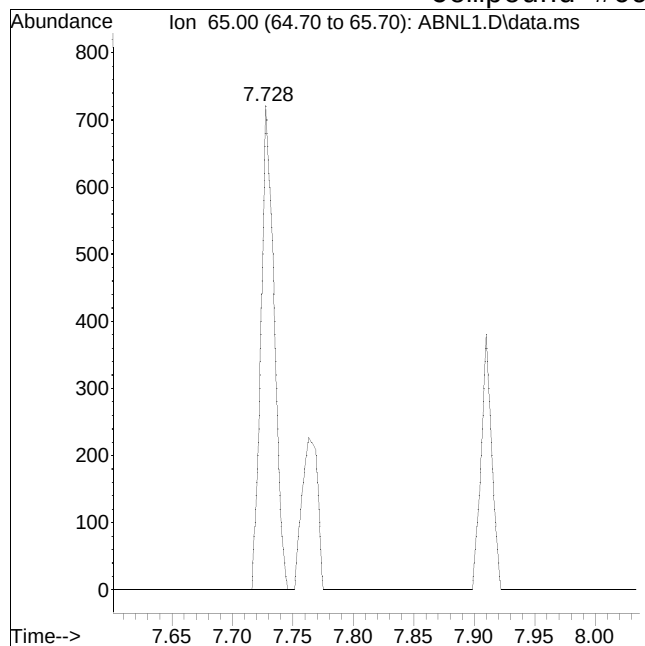
Manual Peak Response = 434 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250313RVTica01
Data File : ABNL1.D
Date Inj'd : 3/13/2025 4:49 pm
Sample : IL10,32,,ABNL0.1 Lot# 11430
Method : FS250313SV112RVT.m
Operator : SV112:ljj
Instrument : SV112
Quant Date : 3/13/2025 8:23 pm

Compound #69: 4-Nitrophenol



Original Peak Response = 551

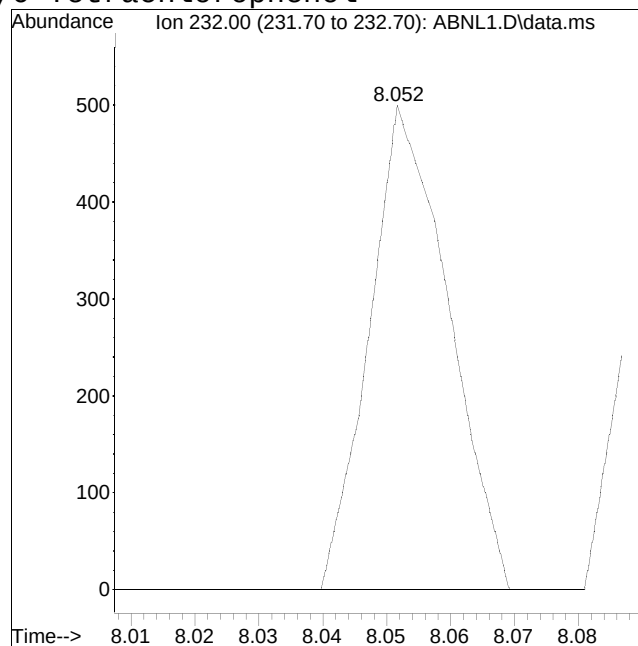
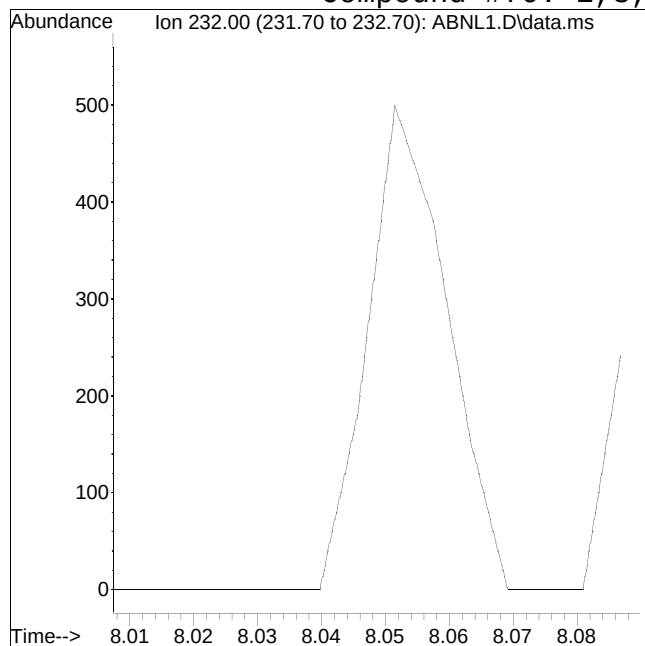
Manual Peak Response = 234 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250313RVT\data
Data File : ABNL1.D
Date Inj'd : 3/13/2025 4:49 pm
Sample : IL10,32,,ABNL0.1 Lot# 11430
Method : FS250313SV112RVT.m
Operator : SV112:ljb
Instrument : SV112
Quant Date : 3/13/2025 8:23 pm

Compound #70: 2,3,5,6-Tetrachlorophenol



Original Peak Response = 0

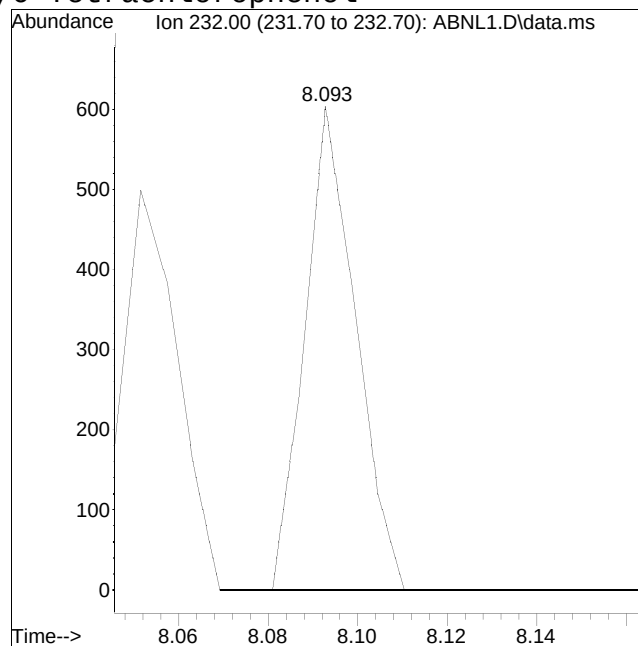
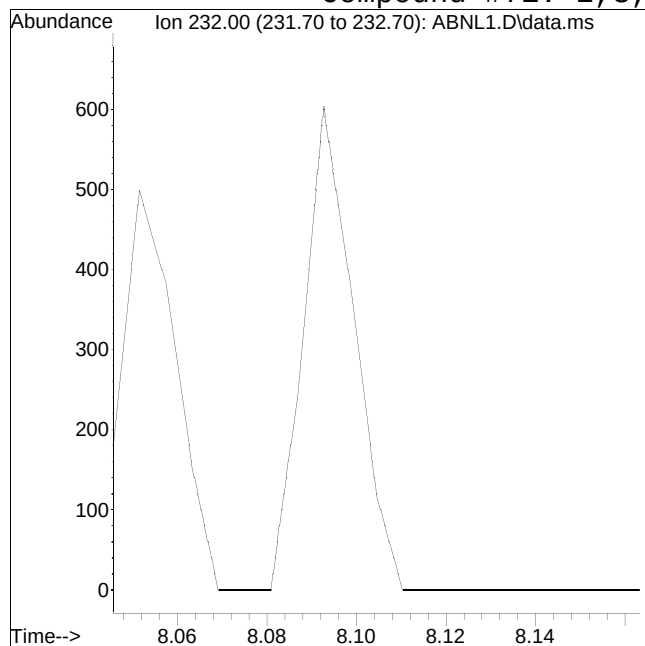
Manual Peak Response = 430 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250313RVTica01
Data File : ABNL1.D
Date Inj'd : 3/13/2025 4:49 pm
Sample : IL10,32,,ABNL0.1 Lot# 11430
Method : FS250313SV112RVT.m
Operator : SV112:ljj
Instrument : SV112
Quant Date : 3/13/2025 8:23 pm

Compound #71: 2,3,4,6-Tetrachlorophenol



Original Peak Response = 0

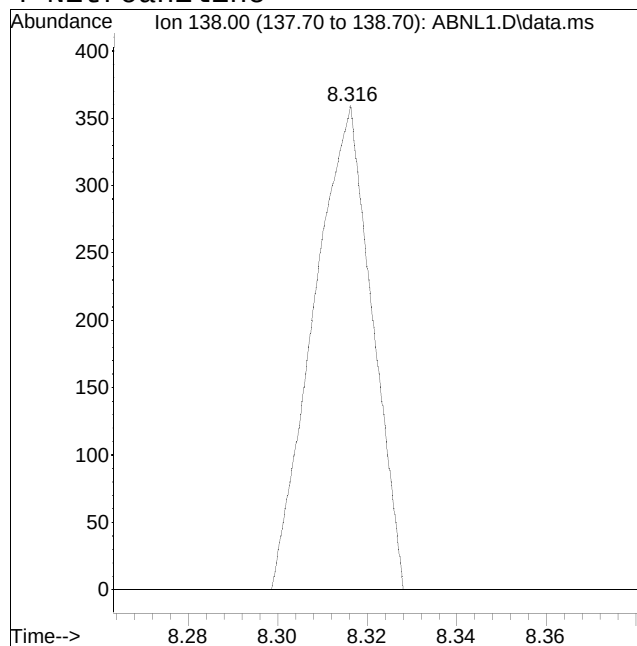
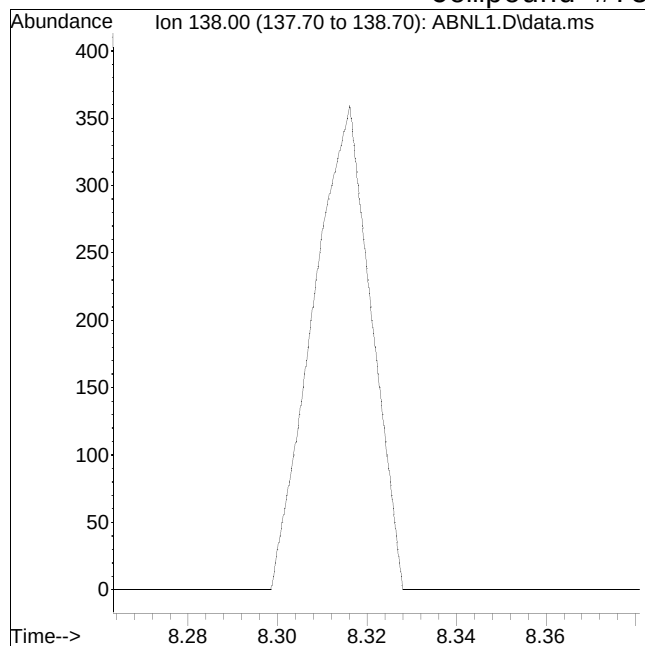
Manual Peak Response = 476 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250313RVTica01
Data File : ABNL1.D
Date Inj'd : 3/13/2025 4:49 pm
Sample : IL10,32,,ABNL0.1 Lot# 11430
Method : FS250313SV112RVT.m
Operator : SV112:lvg
Instrument : SV112
Quant Date : 3/13/2025 8:23 pm

Compound #75: 4-Nitroaniline



Original Peak Response = 0

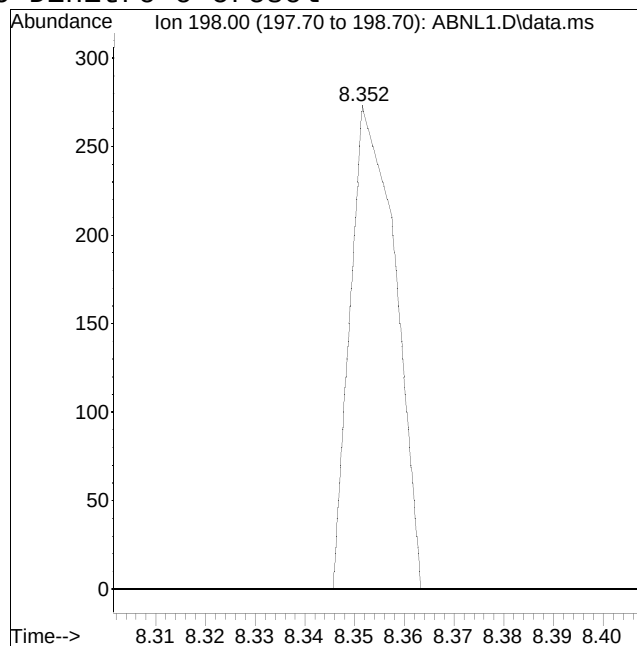
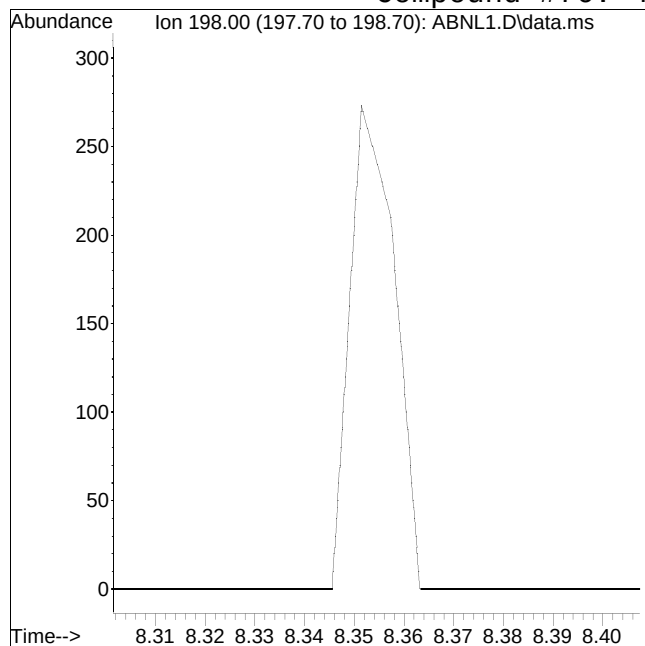
Manual Peak Response = 324 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250313RVTica01
Data File : ABNL1.D
Date Inj'd : 3/13/2025 4:49 pm
Sample : IL10,32,,ABNL0.1 Lot# 11430
Method : FS250313SV112RVT.m
Operator : SV112:lvg
Instrument : SV112
Quant Date : 3/13/2025 8:23 pm

Compound #76: 4,6-Dinitro-o-cresol



Original Peak Response = 0

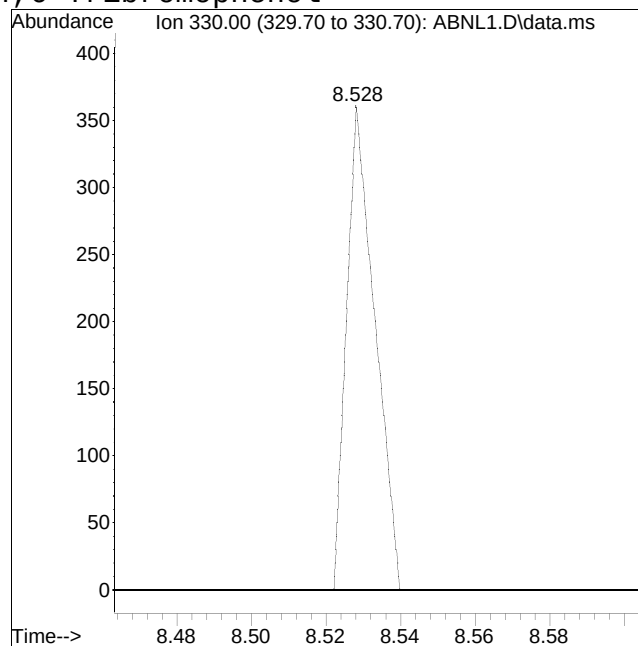
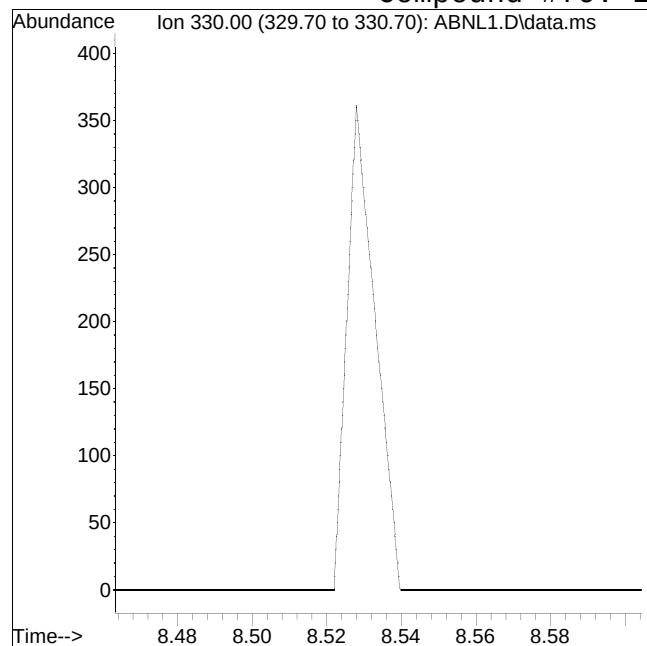
Manual Peak Response = 171 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250313RVTica01
Data File : ABNL1.D
Date Inj'd : 3/13/2025 4:49 pm
Sample : IL10,32,,ABNL0.1 Lot# 11430
Method : FS250313SV112RVT.m
Operator : SV112:ljb
Instrument : SV112
Quant Date : 3/13/2025 8:23 pm

Compound #79: 2,4,6-Tribromophenol



Original Peak Response = 0

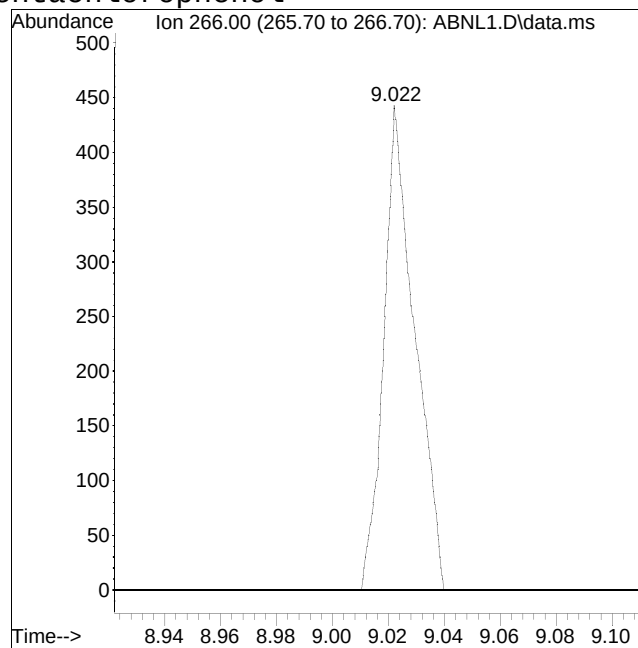
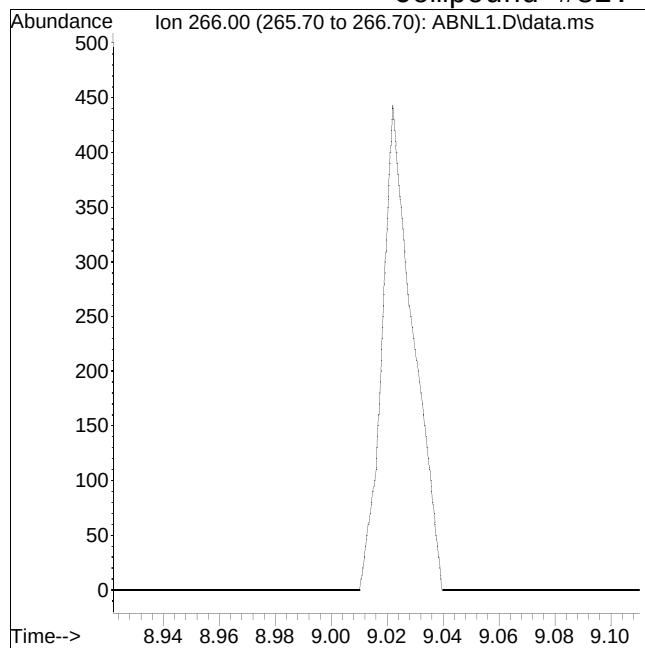
Manual Peak Response = 190 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250313RVTica01
Data File : ABNL1.D
Date Inj'd : 3/13/2025 4:49 pm
Sample : IL10,32,,ABNL0.1 Lot# 11430
Method : FS250313SV112RVT.m
Operator : SV112:ljj
Instrument : SV112
Quant Date : 3/13/2025 8:23 pm

Compound #82: Pentachlorophenol



Original Peak Response = 0

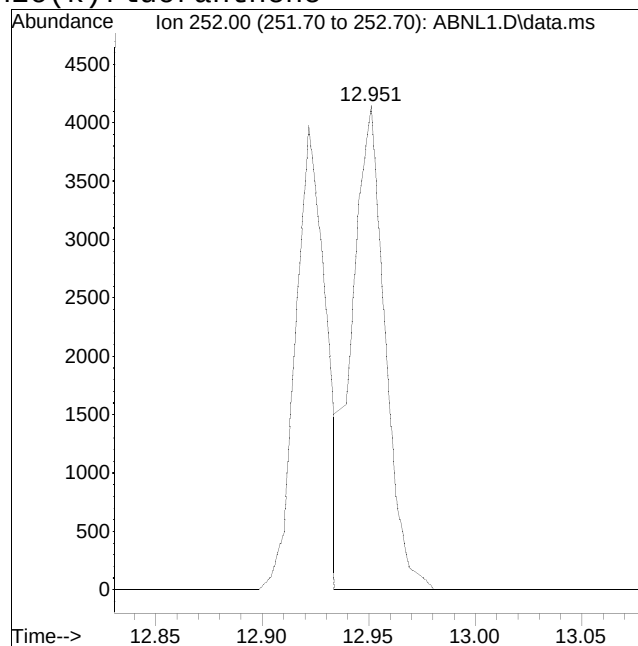
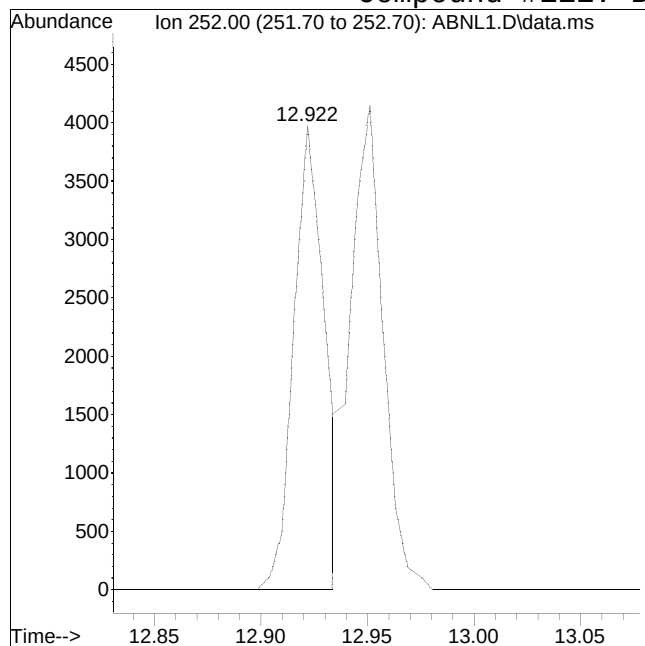
Manual Peak Response = 340 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250313RVTica01
Data File : ABNL1.D
Date Inj'd : 3/13/2025 4:49 pm
Sample : IL10,32,,ABNL0.1 Lot# 11430
Method : FS250313SV112RVT.m
Operator : SV112:ljb
Instrument : SV112
Quant Date : 3/13/2025 8:23 pm

Compound #111: Benzo(k)fluoranthene



Original Peak Response = 4027

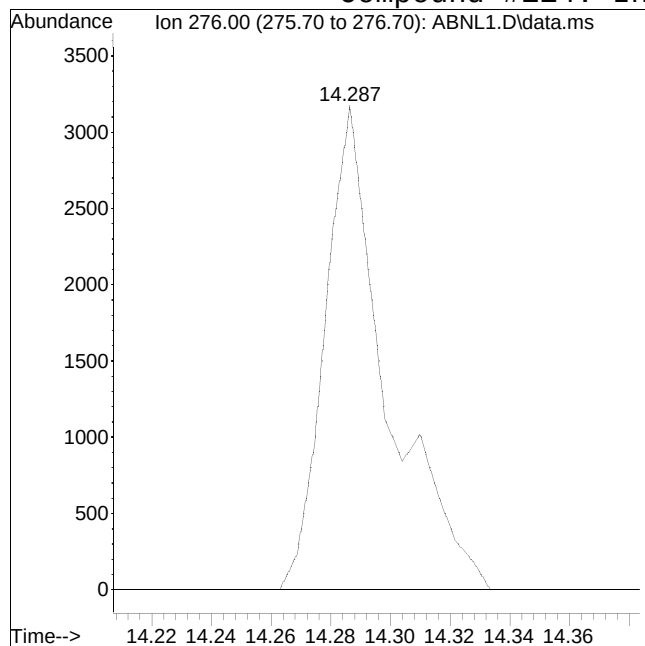
Manual Peak Response = 4380 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

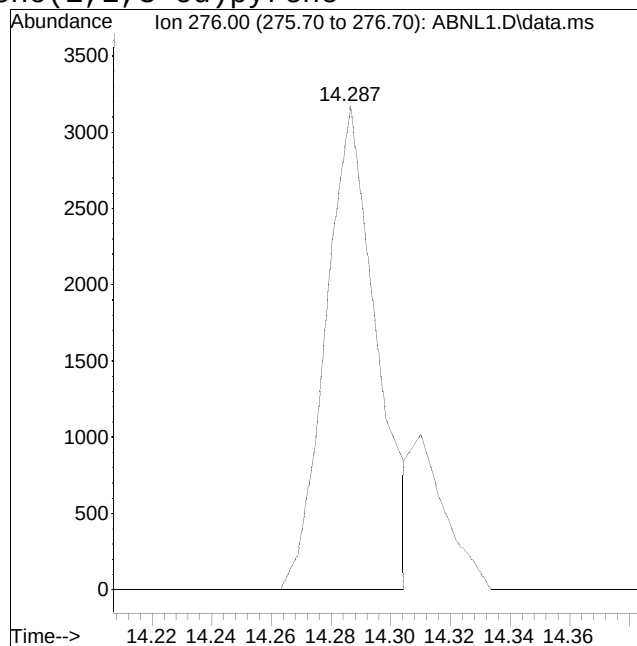
Data Path : I:\8270\SV112\250313RVTica01
Data File : ABNL1.D
Date Inj'd : 3/13/2025 4:49 pm
Sample : IL10,32,,ABNL0.1 Lot# 11430
Method : FS250313SV112RVT.m
Operator : SV112:ljj
Instrument : SV112
Quant Date : 3/13/2025 8:23 pm

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 4584

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Peak Response = 3821 M6

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250313RVTical\
 Data File : AP9L9.D
 Acq On : 13 Mar 2025 05:12 pm
 Operator : SV112:ljb
 Sample : IL2,32,,AP9L50 Lot# 11434
 Misc : WG2040627
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 13 20:37:03 2025
 Quant Method : I:\8270\SV112\250313RVTical\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Mar 13 20:36:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250313RVTical\AP9L6.D
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.834	152	23236	4.000	ug/ml	0.00
Standard Area 1 = 22127			Recovery =	105.01%		
55) IS2_Naphthalene-d8	6.063	136	90222	4.000	ug/ml	0.00
Standard Area 1 = 82556			Recovery =	109.29%		
83) IS2_Acenaphthene-d10	7.763	164	58178	4.000	ug/ml	0.00
Standard Area 1 = 51609			Recovery =	112.73%		
98) IS2_Phenanthrene-d10	9.199	188	126664	4.000	ug/ml	# 0.00
Standard Area 1 = 116712			Recovery =	108.53%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	4.399	105	295269	53.307	ug/ml	97
29) Acetophenone	5.228	105	518279	51.536	ug/ml	99
30) m-Toluidine	5.311	106	504525	55.592	ug/ml	98
31) 2-Chloroaniline	5.669	127	458501	52.292	ug/ml	98
56) a-Terpineol	6.122	59	314758	55.192	ug/ml	95
57) 3-Chloroaniline	6.134	65	163651	55.613	ug/ml	96
58) 2,6-Dichlorophenol	6.163	162	346281	53.886	ug/ml	91
59) 1-chloro-2-nitrobenzene	6.416	111	161702	52.112	ug/ml	93
60) Caprolactam	6.469	55	184143	50.207	ug/ml	96
61) 1,2,4,5-Tetrachloroben...	6.934	216	472035	47.758	ug/ml	98
62) Biphenyl	7.222	154	931914	46.422	ug/ml	93
84) Dichloran	8.893	206	162105	60.755	ug/ml#	67
85) Pentachloronitrobenzene	9.046	237	162877	57.536	ug/ml#	82
99) Diphenamid	10.099	167	786307	55.725	ug/ml	85

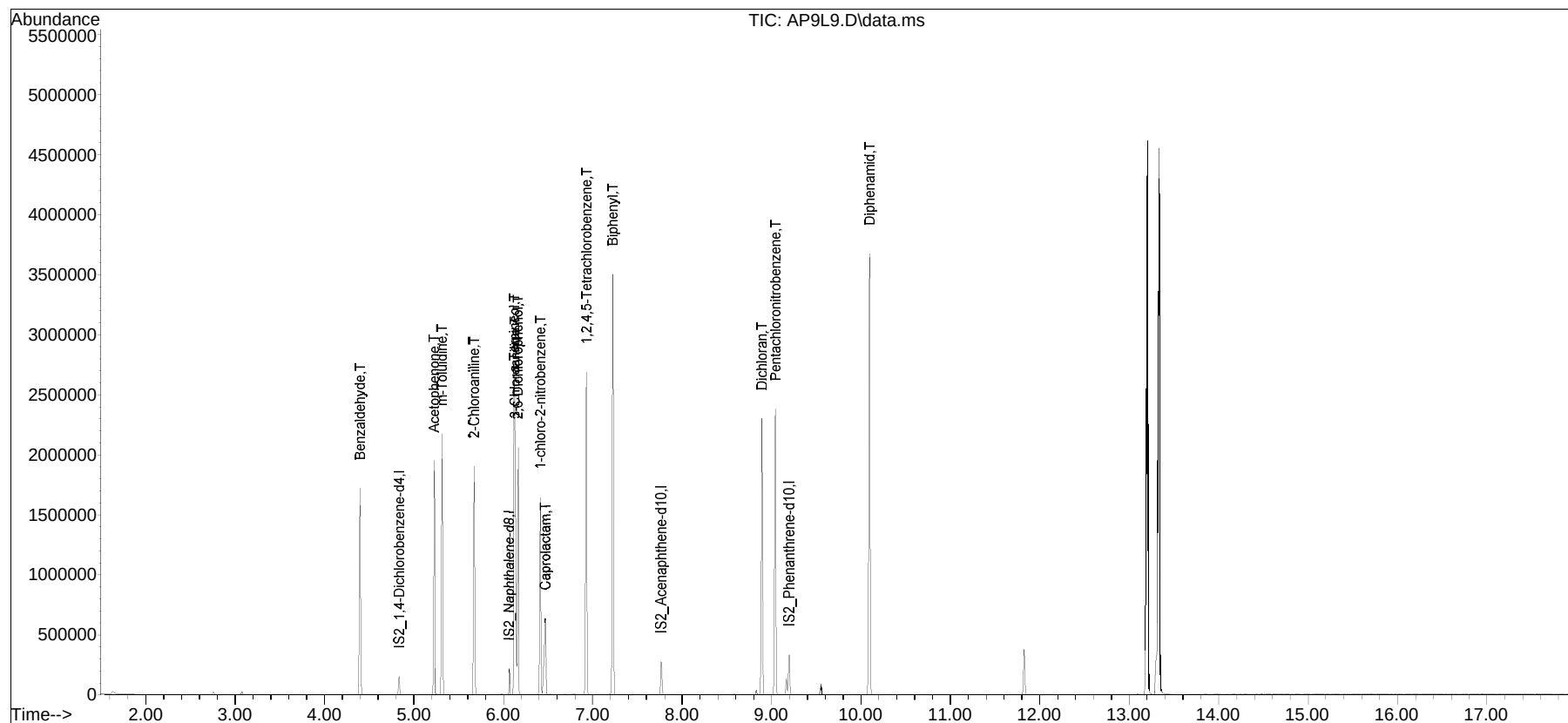
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250313RVTical\
 Data File : AP9L9.D
 Acq On : 13 Mar 2025 05:12 pm
 Operator : SV112:ljj
 Sample : IL2,32,,AP9L50 Lot# 11434
 Misc : WG2040627
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Mar 13 20:37:03 2025
 Quant Method : I:\8270\SV112\250313RVTical\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Mar 13 20:36:15 2025
 Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•



Manual Integration Report

Data Path : I:\8270\SV112\250313RVTical\Method : FS250313SV112RVT.m
Data File : AP9L9.D Operator : SV112:ljpg
Date Inj'd : 3/13/2025 5:12 pm Instrument : SV112
Sample : IL2,32,,AP9L50 Lot# 11434 Quant Date : 3/13/2025 8:38 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250313RVTical\
 Data File : AP9L8.D
 Acq On : 13 Mar 2025 05:35 pm
 Operator : SV112:ljb
 Sample : IL3,32,,AP9L25 Lot# 11435
 Misc : WG2040627
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 13 20:36:53 2025
 Quant Method : I:\8270\SV112\250313RVTical\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Mar 13 20:36:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250313RVTical\AP9L6.D
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.834	152	22710	4.000	ug/ml	0.00
Standard Area 1 = 22127			Recovery =	102.63%		
55) IS2_Naphthalene-d8	6.063	136	87666	4.000	ug/ml	0.00
Standard Area 1 = 82556			Recovery =	106.19%		
83) IS2_Acenaphthene-d10	7.763	164	56174	4.000	ug/ml	0.00
Standard Area 1 = 51609			Recovery =	108.85%		
98) IS2_Phenanthrene-d10	9.193	188	123504	4.000	ug/ml	# 0.00
Standard Area 1 = 116712			Recovery =	105.82%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	4.399	105	157694	29.129	ug/ml	98
29) Acetophenone	5.228	105	277906	28.274	ug/ml	99
30) m-Toluidine	5.310	106	271575	30.617	ug/ml	97
31) 2-Chloroaniline	5.669	127	247664	28.900	ug/ml	99
56) a-Terpineol	6.122	59	166019	29.960	ug/ml	97
57) 3-Chloroaniline	6.134	65	85408	29.870	ug/ml	97
58) 2,6-Dichlorophenol	6.163	162	182980	29.304	ug/ml	92
59) 1-chloro-2-nitrobenzene	6.416	111	86633	28.733	ug/ml	95
60) Caprolactam	6.457	55	96203	27.088	ug/ml	96
61) 1,2,4,5-Tetrachloroben...	6.934	216	256992	26.759	ug/ml	96
62) Biphenyl	7.222	154	519547	26.635	ug/ml	96
84) Dichloran	8.893	206	82362	31.969	ug/ml#	67
85) Pentachloronitrobenzene	9.040	237	85759	31.375	ug/ml#	80
99) Diphenamid	10.093	167	423677	30.794	ug/ml	86

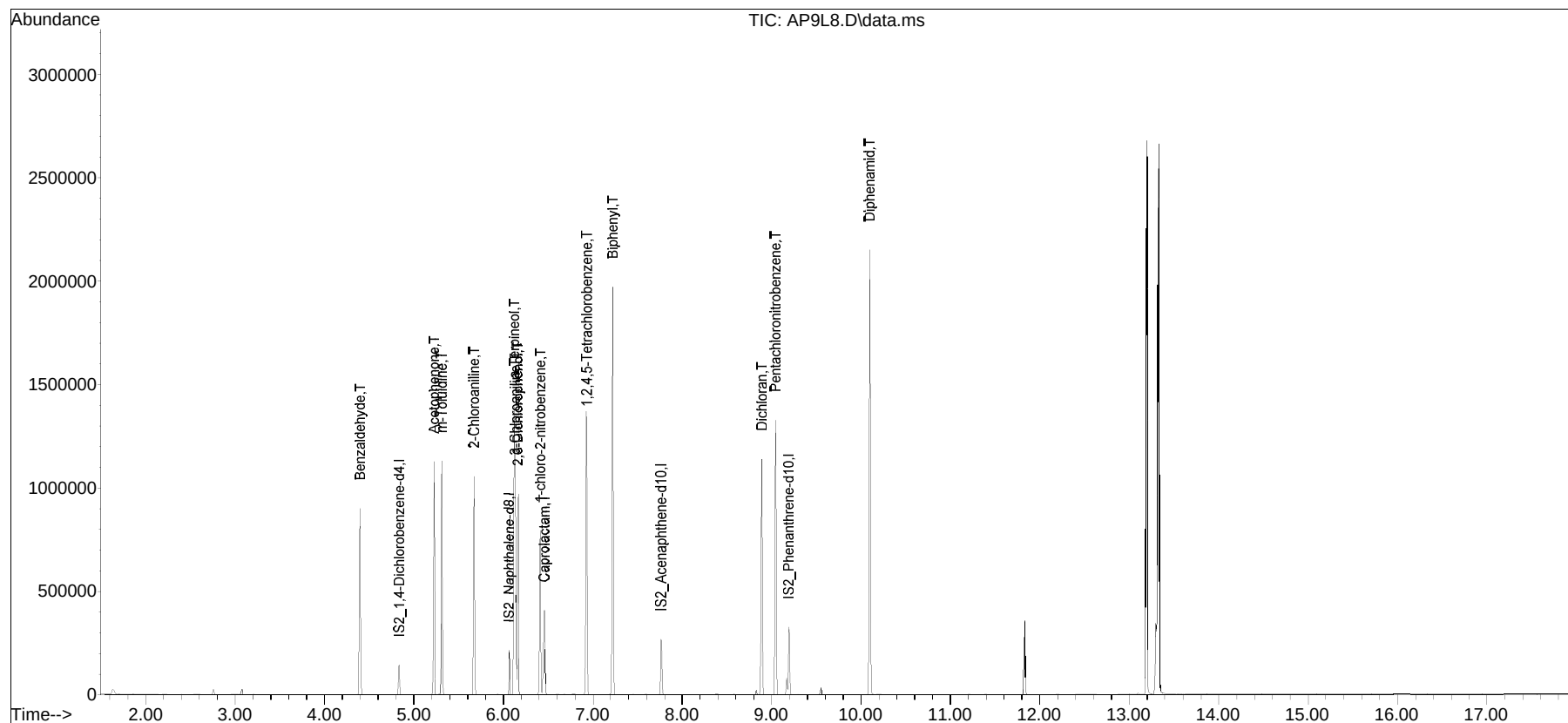
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250313RVTical\
 Data File : AP9L8.D
 Acq On : 13 Mar 2025 05:35 pm
 Operator : SV112:ljj
 Sample : IL3,32,,AP9L25 Lot# 11435
 Misc : WG2040627
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Mar 13 20:36:53 2025
 Quant Method : I:\8270\SV112\250313RVTical\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Mar 13 20:36:15 2025
 Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•



Manual Integration Report

Data Path : I:\8270\SV112\250313RVTical\Method : FS250313SV112RVT.m
Data File : AP9L8.D Operator : SV112:ljpg
Date Inj'd : 3/13/2025 5:35 pm Instrument : SV112
Sample : IL3,32,,AP9L25 Lot# 11435 Quant Date : 3/13/2025 8:37 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250313RVTical\
 Data File : AP9L7.D
 Acq On : 13 Mar 2025 05:57 pm
 Operator : SV112:ljb
 Sample : IL4,32,,AP9L10 Lot# 11436
 Misc : WG2040627
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 13 20:36:42 2025
 Quant Method : I:\8270\SV112\250313RVTical\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Mar 13 20:36:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250313RVTical\AP9L6.D
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.834	152	22134	4.000	ug/ml	0.00
Standard Area 1 = 22127			Recovery =	100.03%		
55) IS2_Naphthalene-d8	6.063	136	82724	4.000	ug/ml	0.00
Standard Area 1 = 82556			Recovery =	100.20%		
83) IS2_Acenaphthene-d10	7.763	164	51834	4.000	ug/ml	0.00
Standard Area 1 = 51609			Recovery =	100.44%		
98) IS2_Phenanthrene-d10	9.193	188	116003	4.000	ug/ml	# 0.00
Standard Area 1 = 116712			Recovery =	99.39%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	4.399	105	53330	10.107	ug/ml	99
29) Acetophenone	5.228	105	92720	9.679	ug/ml	98
30) m-Toluidine	5.310	106	90441	10.462	ug/ml	97
31) 2-Chloroaniline	5.669	127	81665	9.778	ug/ml	99
56) a-Terpineol	6.116	59	52449	10.030	ug/ml	93
57) 3-Chloroaniline	6.128	65	28165	10.439	ug/ml	99
58) 2,6-Dichlorophenol	6.157	162	60318	10.237	ug/ml	91
59) 1-chloro-2-nitrobenzene	6.410	111	27565	9.689	ug/ml	95
60) Caprolactam	6.446	55	30088	9.113	ug/ml	99
61) 1,2,4,5-Tetrachloroben...	6.928	216	84413	9.315	ug/ml	97
62) Biphenyl	7.222	154	175684	9.545	ug/ml	97
84) Dichloran	8.887	206	23504	9.887	ug/ml#	69
85) Pentachloronitrobenzene	9.040	237	25933	10.282	ug/ml#	83
99) Diphenamid	10.092	167	132967	10.289	ug/ml	87

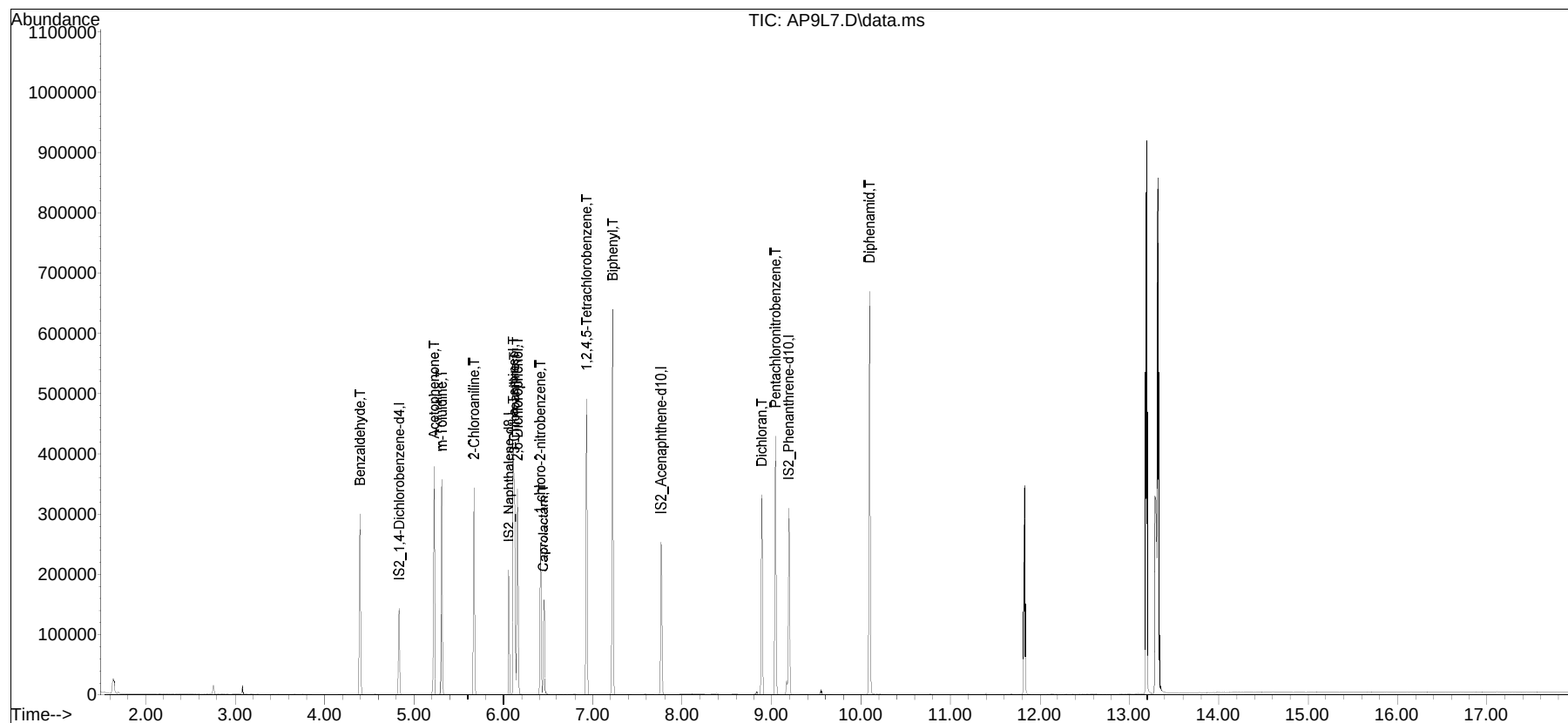
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250313RVTical\
 Data File : AP9L7.D
 Acq On : 13 Mar 2025 05:57 pm
 Operator : SV112:ljj
 Sample : IL4,32,,AP9L10 Lot# 11436
 Misc : WG2040627
 ALS Vial : 12 Sample Multiplier: 1

Quant Time: Mar 13 20:36:42 2025
 Quant Method : I:\8270\SV112\250313RVTical\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Mar 13 20:36:15 2025
 Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•



Manual Integration Report

Data Path : I:\8270\SV112\250313RVTical\Method : FS250313SV112RVT.m
Data File : AP9L7.D Operator : SV112:ljpg
Date Inj'd : 3/13/2025 5:57 pm Instrument : SV112
Sample : IL4,32,,AP9L10 Lot# 11436 Quant Date : 3/13/2025 8:37 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250313RVTical\
 Data File : AP9L6.D
 Acq On : 13 Mar 2025 06:20 pm
 Operator : SV112:ljb
 Sample : IL5,32,,AP9L5 Lot# 11437
 Misc : WG2040627
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 13 20:36:32 2025
 Quant Method : I:\8270\SV112\250313RVTical\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Mar 13 20:36:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250313RVTical\AP9L6.D
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.834	152	22127	4.000	ug/ml	0.00
Standard Area 1 = 22127			Recovery =	100.00%		
55) IS2_Naphthalene-d8	6.063	136	82556	4.000	ug/ml	0.00
Standard Area 1 = 82556			Recovery =	100.00%		
83) IS2_Acenaphthene-d10	7.763	164	51609	4.000	ug/ml	0.00
Standard Area 1 = 51609			Recovery =	100.00%		
98) IS2_Phenanthrene-d10	9.193	188	116712	4.000	ug/ml	# 0.00
Standard Area 1 = 116712			Recovery =	100.00%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	4.399	105	26694	5.061	ug/ml	97
29) Acetophenone	5.228	105	46142	4.818	ug/ml	98
30) m-Toluidine	5.310	106	44096	5.102	ug/ml	96
31) 2-Chloroaniline	5.669	127	41749	5.000	ug/ml	99
56) a-Terpineol	6.116	59	25632	4.912	ug/ml	94
57) 3-Chloroaniline	6.128	65	14851	5.515	ug/ml	91
58) 2,6-Dichlorophenol	6.157	162	28581	4.861	ug/ml	92
59) 1-chloro-2-nitrobenzene	6.410	111	13851	4.878	ug/ml	98
60) Caprolactam	6.446	55	13529	4.217	ug/ml	95
61) 1,2,4,5-Tetrachloroben...	6.928	216	44650	4.937	ug/ml#	94
62) Biphenyl	7.222	154	89594	4.877	ug/ml	98
84) Dichloran	8.887	206	10901	4.606	ug/ml#	71
85) Pentachloronitrobenzene	9.040	237	12741	5.074	ug/ml#	79
99) Diphenamid	10.093	167	63545	4.887	ug/ml	87

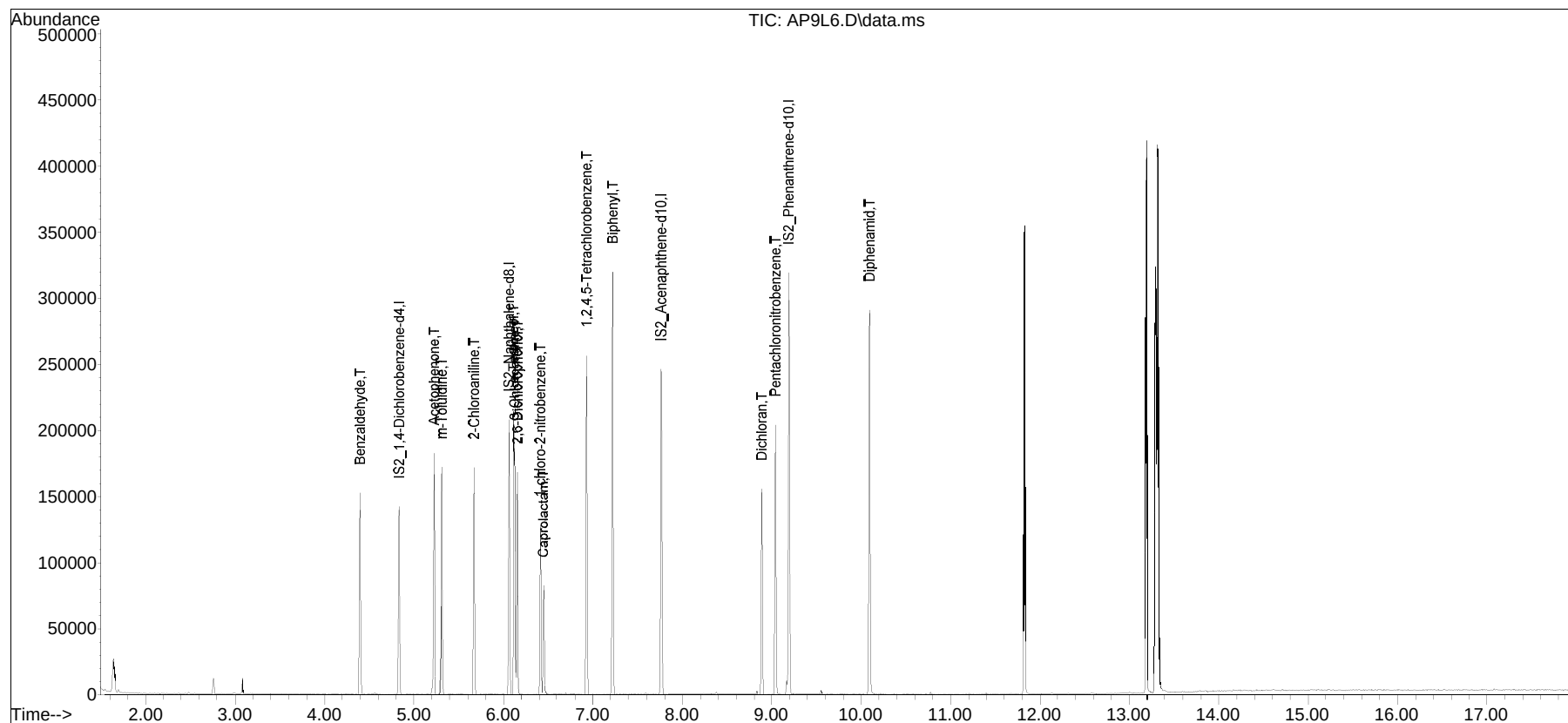
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250313RVTical\
 Data File : AP9L6.D
 Acq On : 13 Mar 2025 06:20 pm
 Operator : SV112:ljj
 Sample : IL5,32,,AP9L5 Lot# 11437
 Misc : WG2040627
 ALS Vial : 13 Sample Multiplier: 1

Quant Time: Mar 13 20:36:32 2025
 Quant Method : I:\8270\SV112\250313RVTical\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Mar 13 20:36:15 2025
 Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•



Manual Integration Report

Data Path	: I:\8270\SV112\250313RVTica	Method	: FS250313SV112RVT.m
Data File	: AP9L6.D	Operator	: SV112:ljpg
Date Inj'd	: 3/13/2025 6:20 pm	Instrument	: SV112
Sample	: IL5,32,,AP9L5 Lot# 11437	Quant Date	: 3/13/2025 8:37 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250313RVTical\
 Data File : AP9L5.D
 Acq On : 13 Mar 2025 06:43 pm
 Operator : SV112:ljb
 Sample : IL6,32,,AP9L2.5 Lot# 11438
 Misc : WG2040627
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Mar 13 20:36:23 2025
 Quant Method : I:\8270\SV112\250313RVTical\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Mar 13 20:36:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250313RVTical\AP9L6.D
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.834	152	22339	4.000	ug/ml	0.00
Standard Area 1 = 22127			Recovery =	100.96%		
55) IS2_Naphthalene-d8	6.063	136	80184	4.000	ug/ml	0.00
Standard Area 1 = 82556			Recovery =	97.13%		
83) IS2_Acenaphthene-d10	7.763	164	49882	4.000	ug/ml	0.00
Standard Area 1 = 51609			Recovery =	96.65%		
98) IS2_Phenanthrene-d10	9.193	188	113498	4.000	ug/ml	# 0.00
Standard Area 1 = 116712			Recovery =	97.25%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	4.399	105	12571	2.361	ug/ml	98
29) Acetophenone	5.228	105	20871	2.159	ug/ml	96
30) m-Toluidine	5.310	106	19525	2.238	ug/ml	98
31) 2-Chloroaniline	5.669	127	19136	2.270	ug/ml	99
56) a-Terpineol	6.116	59	12013	2.370	ug/ml	97
57) 3-Chloroaniline	6.128	65	6429	2.458	ug/ml	99
58) 2,6-Dichlorophenol	6.157	162	12984	2.273	ug/ml	93
59) 1-chloro-2-nitrobenzene	6.410	111	6230	2.259	ug/ml	96
60) Caprolactam	6.446	55	5560	1.900	ug/ml	94
61) 1,2,4,5-Tetrachloroben...	6.928	216	20302	2.311	ug/ml	96
62) Biphenyl	7.222	154	42113	2.360	ug/ml	97
84) Dichloran	8.887	206	4815	2.105	ug/ml#	66
85) Pentachloronitrobenzene	9.040	237	5376	2.215	ug/ml#	83
99) Diphenamid	10.093	167	27947	2.210	ug/ml	88

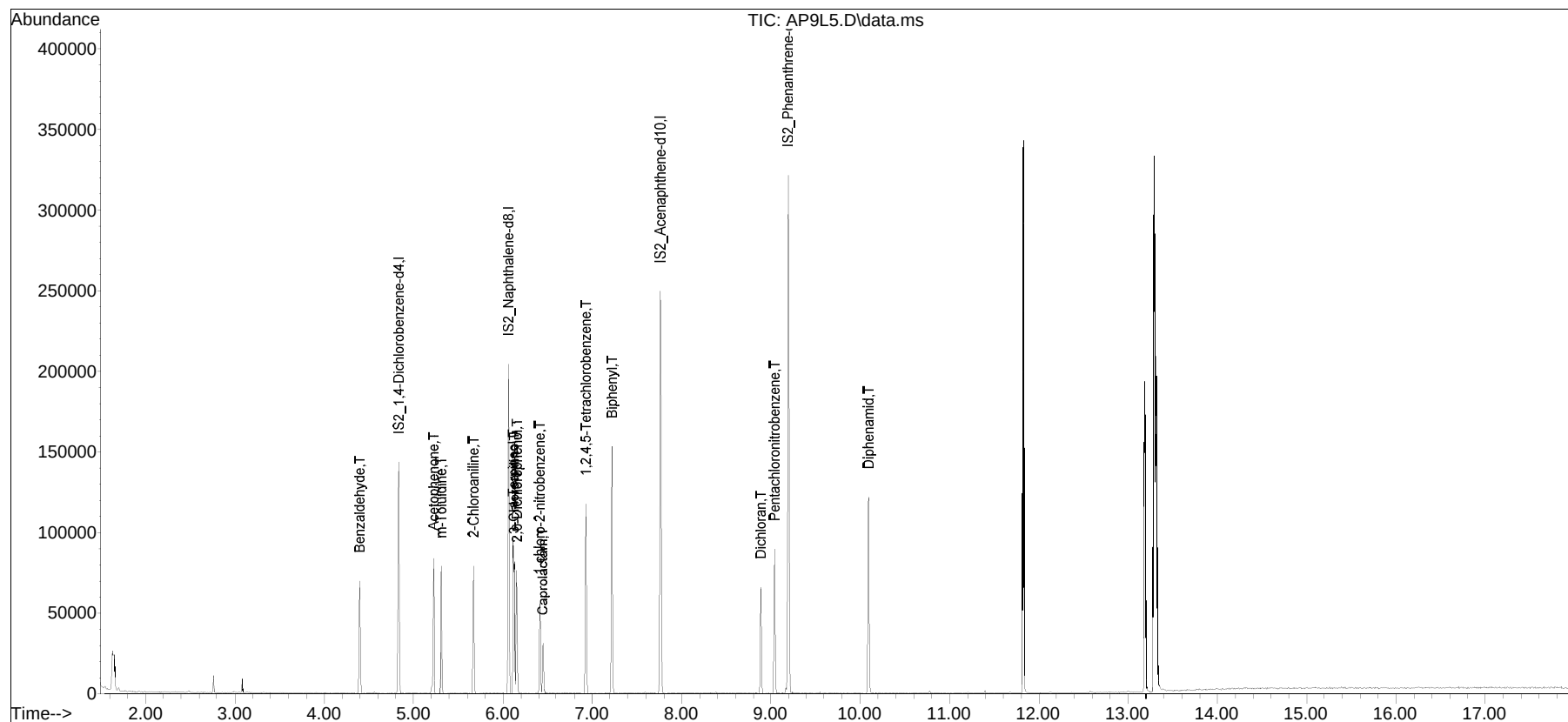
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250313RVTical\
 Data File : AP9L5.D
 Acq On : 13 Mar 2025 06:43 pm
 Operator : SV112:ljj
 Sample : IL6,32,,AP9L2.5 Lot# 11438
 Misc : WG2040627
 ALS Vial : 14 Sample Multiplier: 1

Quant Time: Mar 13 20:36:23 2025
 Quant Method : I:\8270\SV112\250313RVTical\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Mar 13 20:36:15 2025
 Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•



Manual Integration Report

Data Path : I:\8270\SV112\250313RVTical\Method : FS250313SV112RVT.m
Data File : AP9L5.D Operator : SV112:lvg
Date Inj'd : 3/13/2025 6:43 pm Instrument : SV112
Sample : IL6,32,,AP9L2.5 Lot# 11438 Quant Date : 3/13/2025 8:37 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250313RVTical\
 Data File : AP9L4.D
 Acq On : 13 Mar 2025 07:06 pm
 Operator : SV112:ljb
 Sample : IL7,32,,AP9L1 Lot# 11439
 Misc : WG2040627
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Mar 13 20:36:14 2025
 Quant Method : I:\8270\SV112\250313RVTical\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Mar 13 20:36:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250313RVTical\AP9L6.D
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.834	152	22835	4.000	ug/ml	0.00
Standard Area 1 = 22127			Recovery =	103.20%		
55) IS2_Naphthalene-d8	6.063	136	86655	4.000	ug/ml	0.00
Standard Area 1 = 82556			Recovery =	104.97%		
83) IS2_Acenaphthene-d10	7.763	164	52240	4.000	ug/ml	0.00
Standard Area 1 = 51609			Recovery =	101.22%		
98) IS2_Phenanthrene-d10	9.193	188	117704	4.000	ug/ml	# 0.00
Standard Area 1 = 116712			Recovery =	100.85%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	4.399	105	5547	1.019	ug/ml	98
29) Acetophenone	5.228	105	9786	0.990	ug/ml	94
30) m-Toluidine	5.310	106	7878	0.883	ug/ml	99
31) 2-Chloroaniline	5.669	127	8707	1.010	ug/ml	99
56) a-Terpineol	6.116	59	5426	0.991	ug/ml	98
57) 3-Chloroaniline	6.128	65	2709	0.958	ug/ml	93
58) 2,6-Dichlorophenol	6.157	162	6027	0.976	ug/ml#	88
59) 1-chloro-2-nitrobenzene	6.410	111	2640	0.886	ug/ml	92
60) Caprolactam	6.446	55	2215	0.828	ug/ml	97
61) 1,2,4,5-Tetrachloroben...	6.928	216	9519	1.003	ug/ml	94
62) Biphenyl	7.222	154	19296	1.001	ug/ml	99
84) Dichloran	8.887	206	1872	0.781	ug/ml#	79
85) Pentachloronitrobenzene	9.040	237	2310	0.909	ug/ml#	80
99) Diphenamid	10.093	167	11866	0.905	ug/ml	85

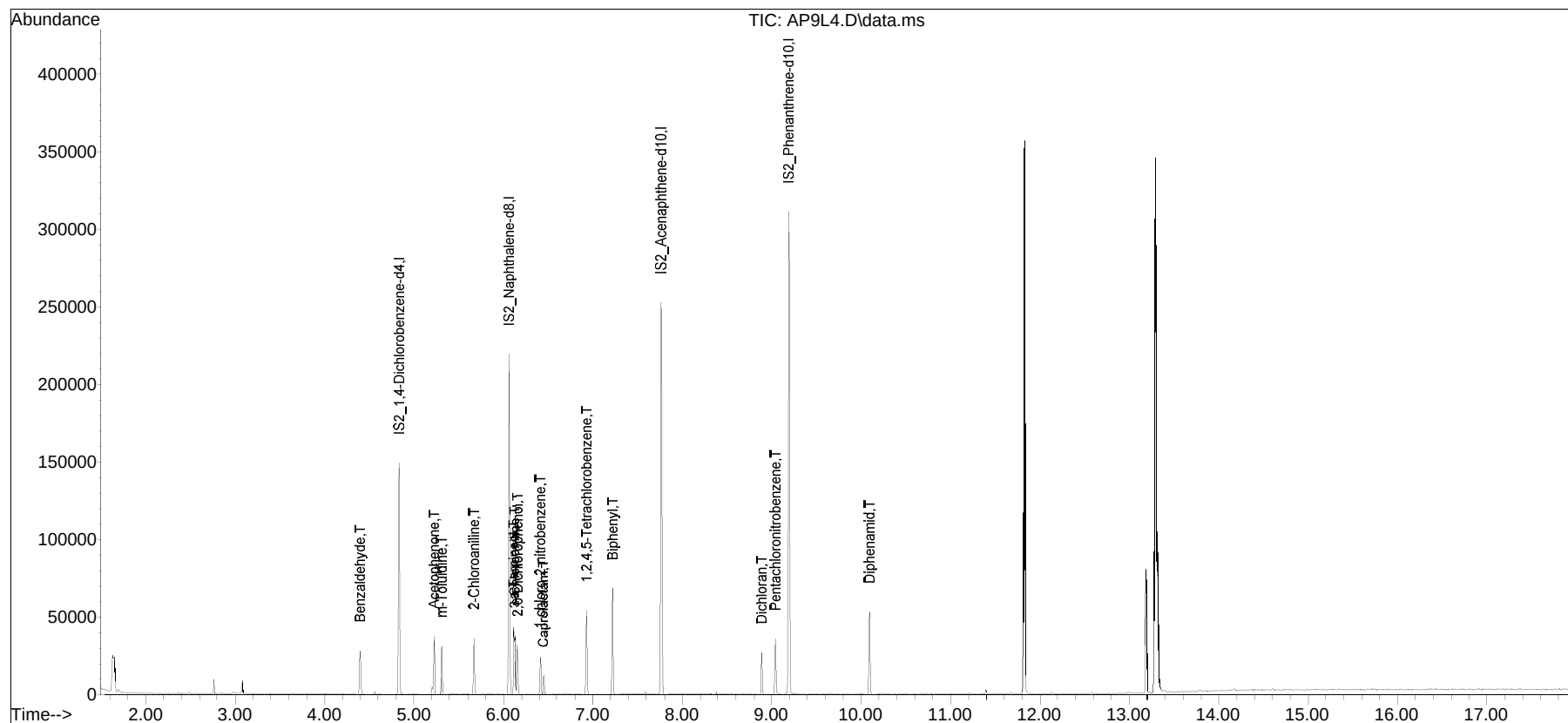
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250313RVTical\
 Data File : AP9L4.D
 Acq On : 13 Mar 2025 07:06 pm
 Operator : SV112:ljj
 Sample : IL7,32,,AP9L1 Lot# 11439
 Misc : WG2040627
 ALS Vial : 15 Sample Multiplier: 1

Quant Time: Mar 13 20:36:14 2025
 Quant Method : I:\8270\SV112\250313RVTical\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Mar 13 20:36:15 2025
 Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•



Manual Integration Report

Data Path : I:\8270\SV112\250313RVTical\Method : FS250313SV112RVT.m
Data File : AP9L4.D Operator : SV112:ljb
Date Inj'd : 3/13/2025 7:06 pm Instrument : SV112
Sample : IL7,32,,AP9L1 Lot# 11439 Quant Date : 3/13/2025 8:37 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250313RVTical\
 Data File : AP9L3.D
 Acq On : 13 Mar 2025 07:29 pm
 Operator : SV112:ljb
 Sample : IL8,32,,AP9L0.5 Lot# 11440
 Misc : WG2040627
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Mar 13 20:36:05 2025
 Quant Method : I:\8270\SV112\250313RVTical\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Mar 13 20:36:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250313RVTical\AP9L6.D
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.834	152	22299	4.000	ug/ml	0.00
Standard Area 1 = 22127			Recovery =	100.78%		
55) IS2_Naphthalene-d8	6.063	136	83092	4.000	ug/ml	0.00
Standard Area 1 = 82556			Recovery =	100.65%		
83) IS2_Acenaphthene-d10	7.763	164	50238	4.000	ug/ml	0.00
Standard Area 1 = 51609			Recovery =	97.34%		
98) IS2_Phenanthrene-d10	9.193	188	112395	4.000	ug/ml	# 0.00
Standard Area 1 = 116712			Recovery =	96.30%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	4.399	105	3099	0.583	ug/ml	98
29) Acetophenone	5.228	105	5312	0.550	ug/ml	95
30) m-Toluidine	5.310	106	3564	0.409	ug/ml#	94
31) 2-Chloroaniline	5.669	127	4577	0.544	ug/ml	97
56) a-Terpineol	6.116	59	2856	0.544	ug/ml	89
57) 3-Chloroaniline	6.128	65	1433	0.529	ug/ml	90
58) 2,6-Dichlorophenol	6.157	162	3088	0.522	ug/ml	94
59) 1-chloro-2-nitrobenzene	6.410	111	1521	0.532	ug/ml	96
60) Caprolactam	6.446	55	1205	0.557	ug/ml	93
61) 1,2,4,5-Tetrachloroben...	6.928	216	4947	0.543	ug/ml	98
62) Biphenyl	7.222	154	10559	0.571	ug/ml	100
84) Dichloran	8.887	206	1121	0.487	ug/ml#	66
85) Pentachloronitrobenzene	9.040	237	1163	0.476	ug/ml	89
99) Diphenamid	10.092	167	5960	0.476	ug/ml#	88

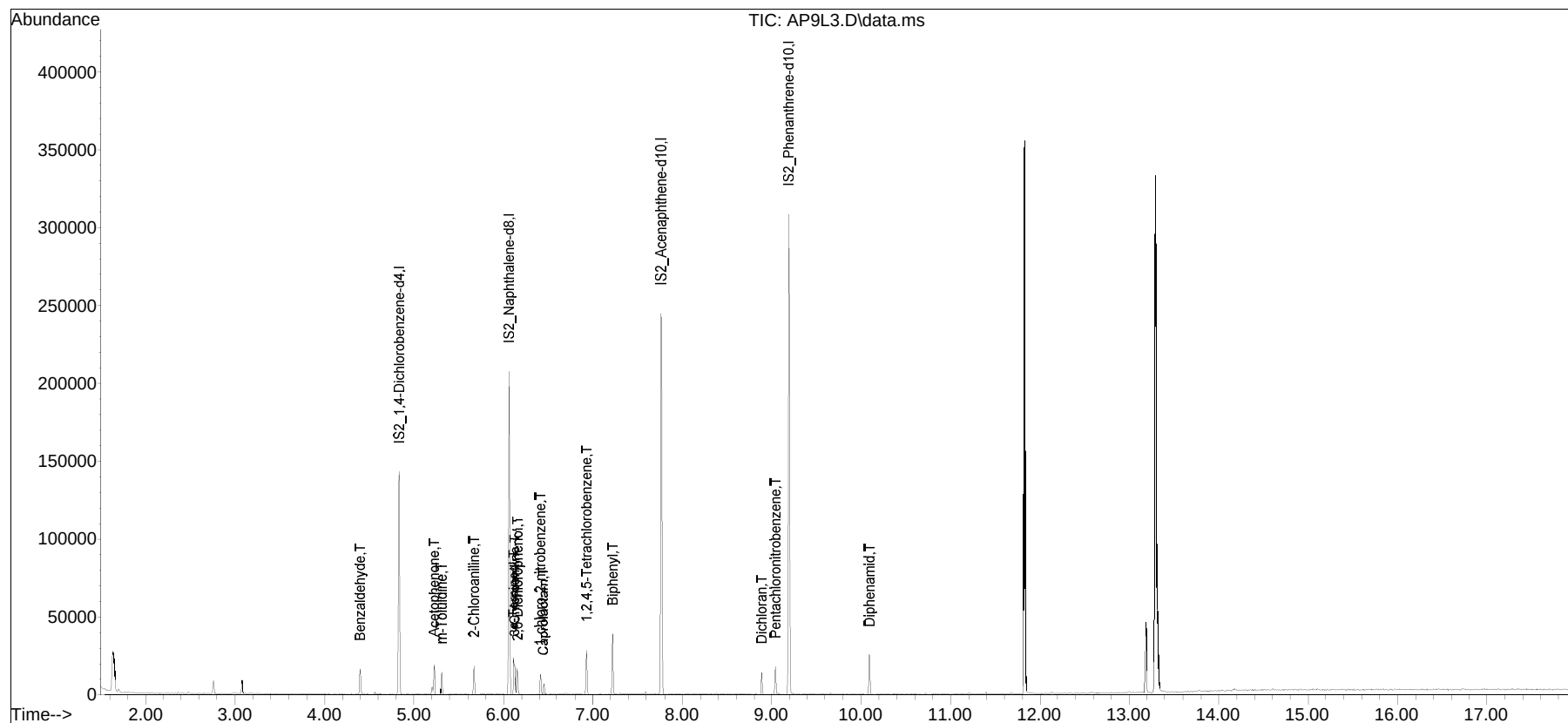
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250313RVTical\
 Data File : AP9L3.D
 Acq On : 13 Mar 2025 07:29 pm
 Operator : SV112:ljj
 Sample : IL8,32,,AP9L0.5 Lot# 11440
 Misc : WG2040627
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Mar 13 20:36:05 2025
 Quant Method : I:\8270\SV112\250313RVTical\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Mar 13 20:36:15 2025
 Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•



Manual Integration Report

Data Path : I:\8270\SV112\250313RVTicaQMethod : FS250313SV112RVT.m
Data File : AP9L3.DOperator : SV112:lvg
Date Inj'd : 3/13/2025 7:29 pmInstrument : SV112
Sample : IL8,32,,AP9L0.5 Lot# 11440Quant Date : 3/13/2025 8:37 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250313RVTical\
 Data File : AP9L2.D
 Acq On : 13 Mar 2025 07:51 pm
 Operator : SV112:ljb
 Sample : IL9,32,,AP9L0.2 Lot# 11441
 Misc : WG2040627
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Mar 13 20:35:56 2025
 Quant Method : I:\8270\SV112\250313RVTical\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Mar 13 20:36:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250313RVTical\AP9L6.D
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.834	152	23247	4.000	ug/ml	0.00
Standard Area 1 = 22127			Recovery =	105.06%		
55) IS2_Naphthalene-d8	6.063	136	84978	4.000	ug/ml	0.00
Standard Area 1 = 82556			Recovery =	102.93%		
83) IS2_Acenaphthene-d10	7.763	164	50100	4.000	ug/ml	0.00
Standard Area 1 = 51609			Recovery =	97.08%		
98) IS2_Phenanthrene-d10	9.193	188	112344	4.000	ug/ml	# 0.00
Standard Area 1 = 116712			Recovery =	96.26%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	4.405	105	976	0.176	ug/ml	94
29) Acetophenone	5.228	105	1779	0.177	ug/ml#	83
30) m-Toluidine	5.310	106	520	0.057	ug/ml#	13
31) 2-Chloroaniline	5.669	127	1496	0.171	ug/ml#	46
56) a-Terpineol	6.116	59	776	0.144	ug/ml#	77
57) 3-Chloroaniline	6.128	65	471M2	0.170	ug/ml	
58) 2,6-Dichlorophenol	6.157	162	1059	0.175	ug/ml#	90
59) 1-chloro-2-nitrobenzene	6.416	111	546	0.187	ug/ml#	58
60) Caprolactam	6.452	55	311M2	0.291	ug/ml	
61) 1,2,4,5-Tetrachloroben...	6.928	216	1694	0.182	ug/ml#	88
62) Biphenyl	7.222	154	3447	0.182	ug/ml	99
84) Dichloran	8.887	206	343M2	0.149	ug/ml	
85) Pentachloronitrobenzene	9.040	237	401M2	0.164	ug/ml	
99) Diphenamid	10.087	167	2156	0.172	ug/ml	95

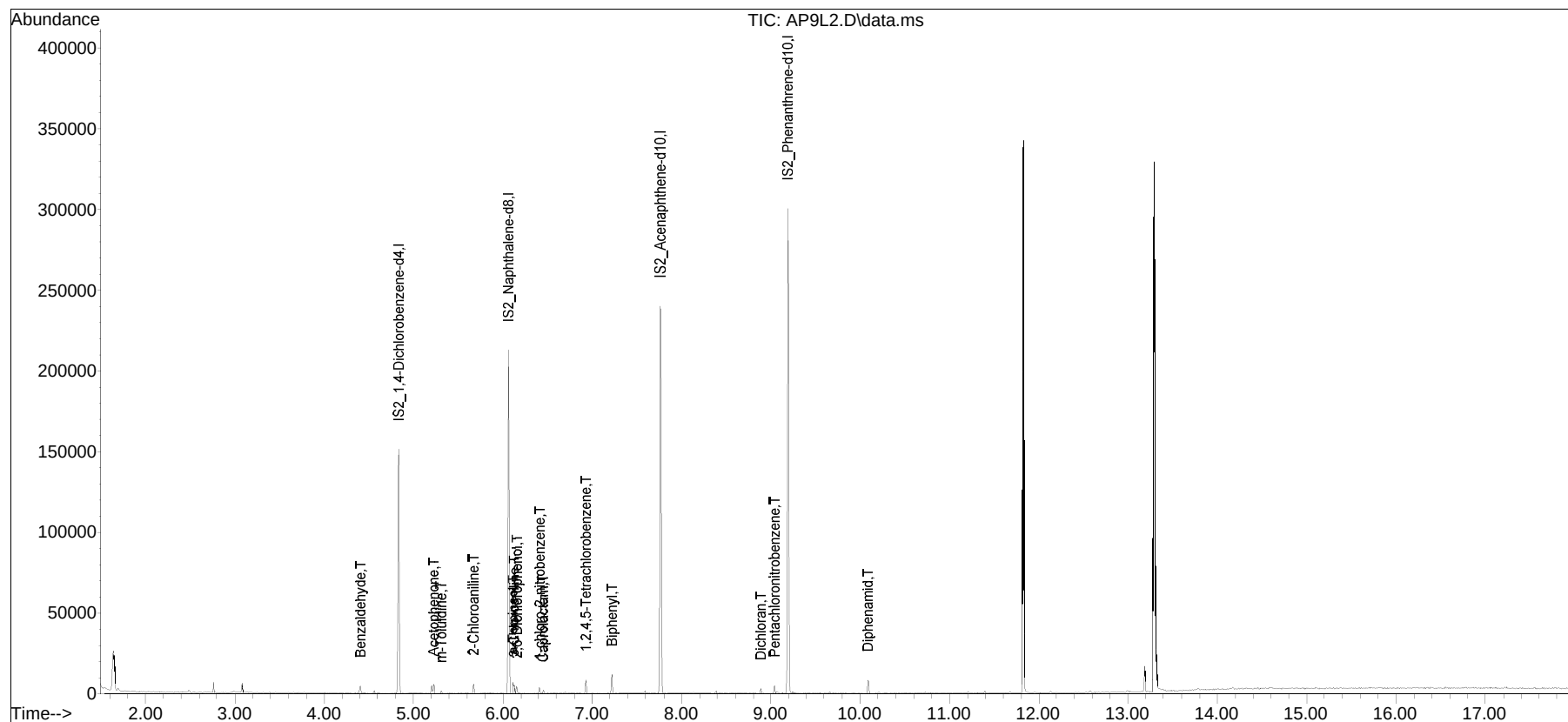
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250313RVTical\
 Data File : AP9L2.D
 Acq On : 13 Mar 2025 07:51 pm
 Operator : SV112:ljj
 Sample : IL9,32,,AP9L0.2 Lot# 11441
 Misc : WG2040627
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Mar 13 20:35:56 2025
 Quant Method : I:\8270\SV112\250313RVTical\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Mar 13 20:36:15 2025
 Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•

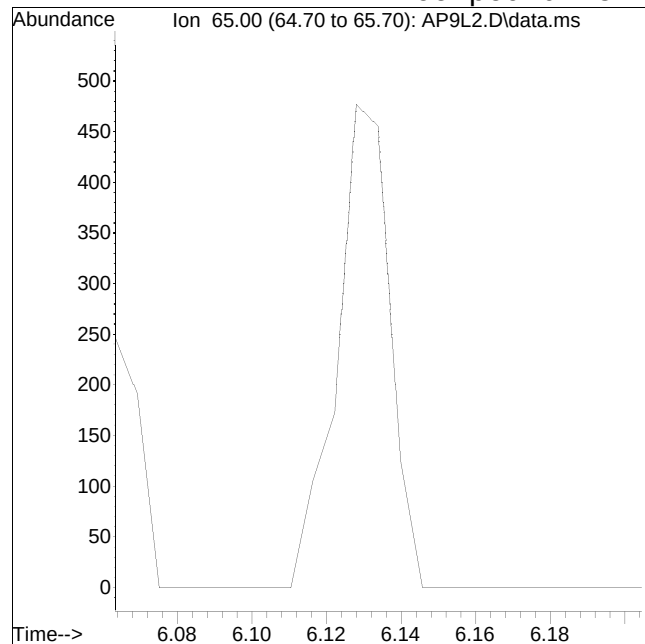


Manual Integration Report

Data Path : I:\8270\SV112\250313RVT\data.ms
Data File : AP9L2.D
Date Inj'd : 3/13/2025 7:51 pm
Sample : IL9,32,,AP9L0.2 Lot# 11441

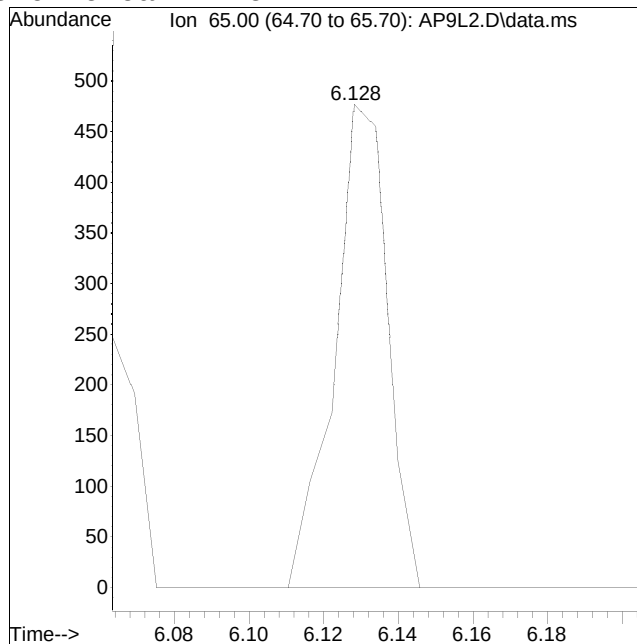
Method : FS250313SV112RVT.m
Operator : SV112:lbg
Instrument : SV112
Quant Date : 3/13/2025 8:36 pm

Compound #57: 3-Chloroaniline



Original Peak Response = 0

M2 = Peak not found by automatic integration algorithm.



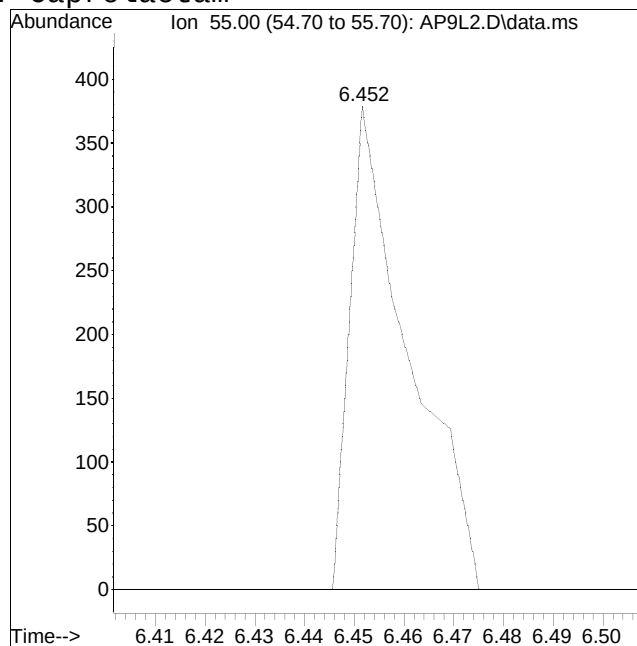
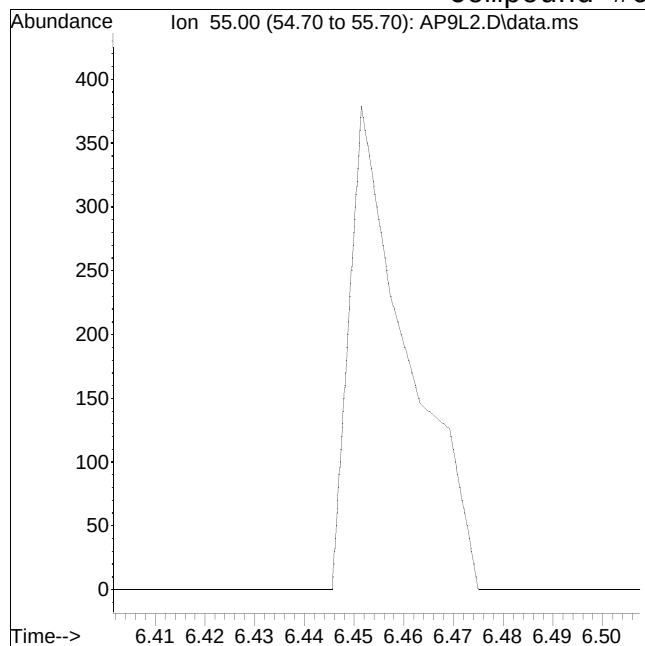
Manual Peak Response = 471 M2

Manual Integration Report

Data Path : I:\8270\SV112\250313RVTica01
Data File : AP9L2.D
Date Inj'd : 3/13/2025 7:51 pm
Sample : IL9,32,,AP9L0.2 Lot# 11441

Method : FS250313SV112RVT.m
Operator : SV112:ljb
Instrument : SV112
Quant Date : 3/13/2025 8:36 pm

Compound #60: Caprolactam



Original Peak Response = 0

Manual Peak Response = 311 M2

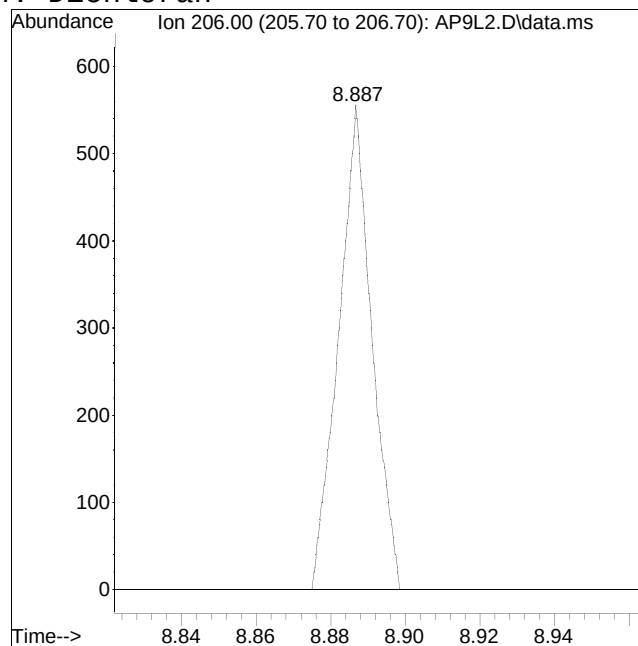
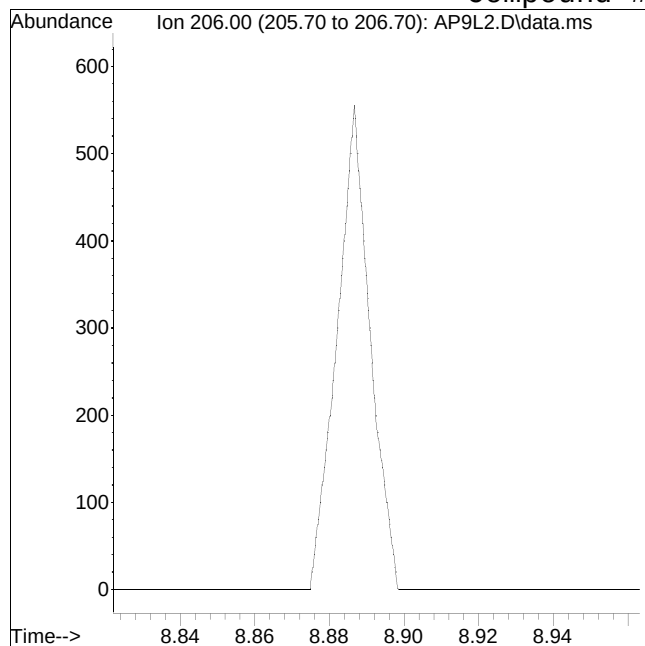
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250313RVTica01
Data File : AP9L2.D
Date Inj'd : 3/13/2025 7:51 pm
Sample : IL9,32,,AP9L0.2 Lot# 11441

Method : FS250313SV112RVT.m
Operator : SV112:ljb
Instrument : SV112
Quant Date : 3/13/2025 8:36 pm

Compound #84: Dichloran



Original Peak Response = 0

Manual Peak Response = 343 M2

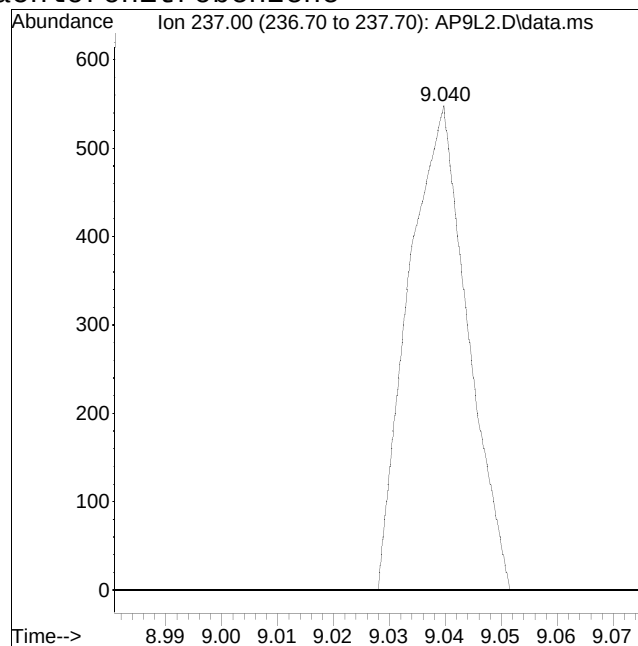
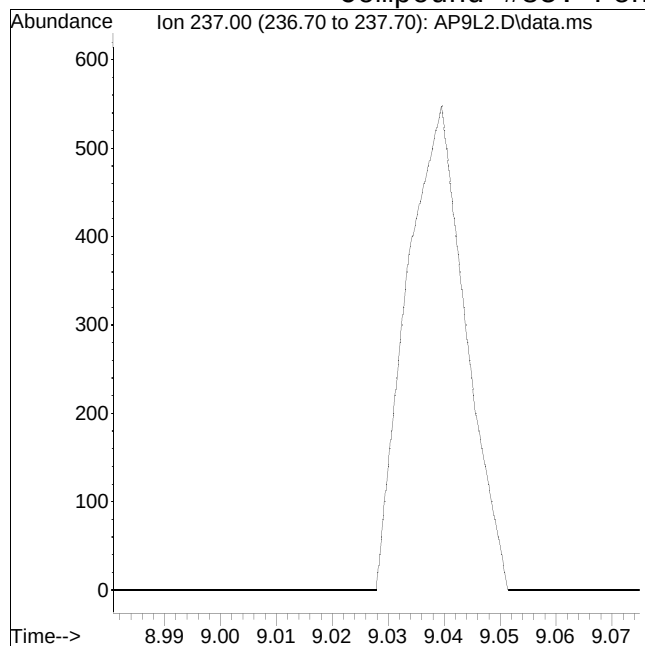
M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250313RVTica01
Data File : AP9L2.D
Date Inj'd : 3/13/2025 7:51 pm
Sample : IL9,32,,AP9L0.2 Lot# 11441

Method : FS250313SV112RVT.m
Operator : SV112:ljb
Instrument : SV112
Quant Date : 3/13/2025 8:36 pm

Compound #85: Pentachloronitrobenzene



Original Peak Response = 0

Manual Peak Response = 401 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250313RVTical\
 Data File : AP9L1.D
 Acq On : 13 Mar 2025 08:14 pm
 Operator : SV112:ljb
 Sample : IL10,32,,AP9L0.1 Lot# 11442
 Misc : WG2040627
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Mar 13 20:35:46 2025
 Quant Method : I:\8270\SV112\250313RVTical\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Mar 13 20:36:15 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250313RVTical\AP9L6.D
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.834	152	20978	4.000	ug/ml	0.00
Standard Area 1 = 22127			Recovery =	94.81%		
55) IS2_Naphthalene-d8	6.063	136	75665	4.000	ug/ml	0.00
Standard Area 1 = 82556			Recovery =	91.65%		
83) IS2_Acenaphthene-d10	7.763	164	44334	4.000	ug/ml	0.00
Standard Area 1 = 51609			Recovery =	85.90%		
98) IS2_Phenanthrene-d10	9.193	188	96560	4.000	ug/ml	# 0.00
Standard Area 1 = 116712			Recovery =	82.73%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	4.405	105	368M2	0.074	ug/ml	
29) Acetophenone	5.228	105	970	0.107	ug/ml#	51
30) m-Toluidine	0.000		0	N.D.		
31) 2-Chloroaniline	5.669	127	761	0.096	ug/ml#	46
56) a-Terpineol	6.116	59	461M2	0.096	ug/ml	
57) 3-Chloroaniline	6.128	65	172M2	0.070	ug/ml	
58) 2,6-Dichlorophenol	6.158	162	512	0.095	ug/ml#	17
59) 1-chloro-2-nitrobenzene	6.411	111	280M2	0.108	ug/ml	
60) Caprolactam	6.458	55	169M2	0.256	ug/ml	
61) 1,2,4,5-Tetrachloroben...	6.928	216	938	0.113	ug/ml#	85
62) Biphenyl	7.222	154	1814	0.108	ug/ml#	76
84) Dichloran	8.887	206	248M2	0.122	ug/ml	
85) Pentachloronitrobenzene	9.040	237	212M2	0.098	ug/ml	
99) Diphenamid	10.093	167	1124	0.104	ug/ml	91

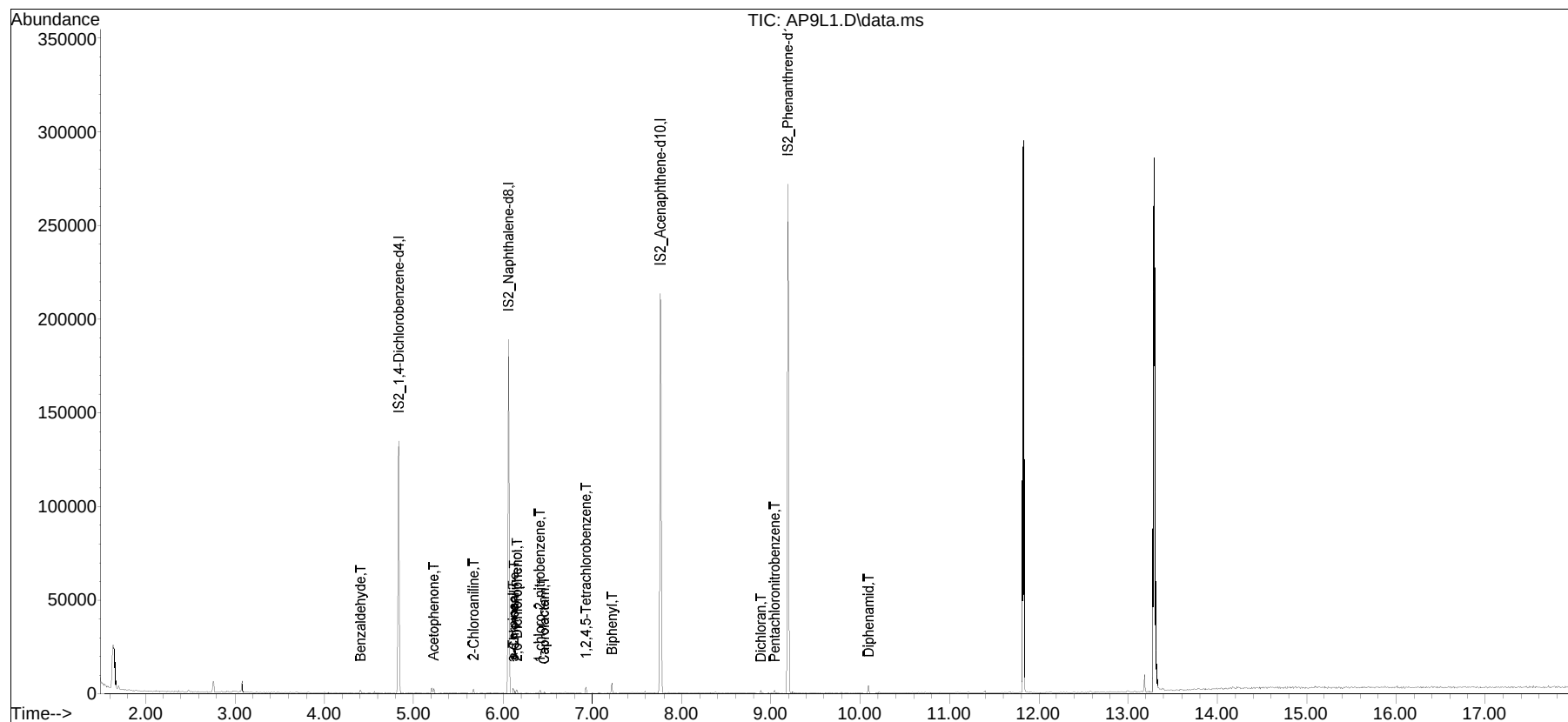
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250313RVTical\
 Data File : AP9L1.D
 Acq On : 13 Mar 2025 08:14 pm
 Operator : SV112:ljpg
 Sample : IL10,32,,AP9L0.1 Lot# 11442
 Misc : WG2040627
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Mar 13 20:35:46 2025
 Quant Method : I:\8270\SV112\250313RVTical\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Mar 13 20:36:15 2025
 Response via : Initial Calibration

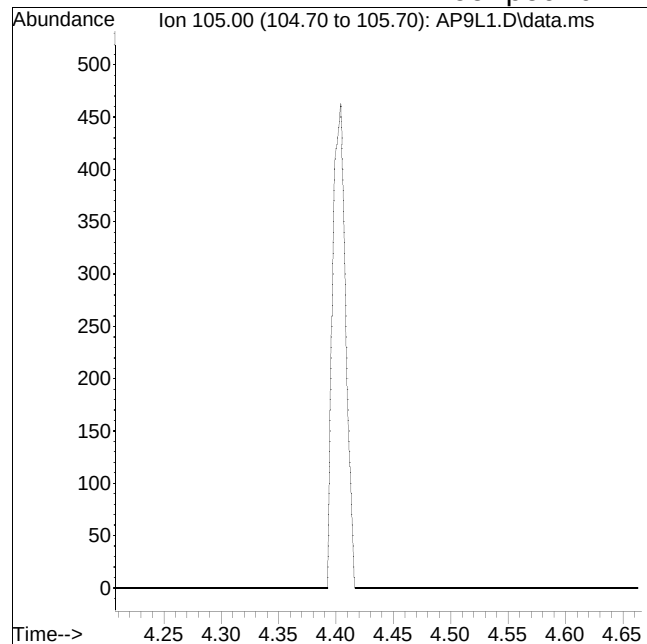
Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•



Manual Integration Report

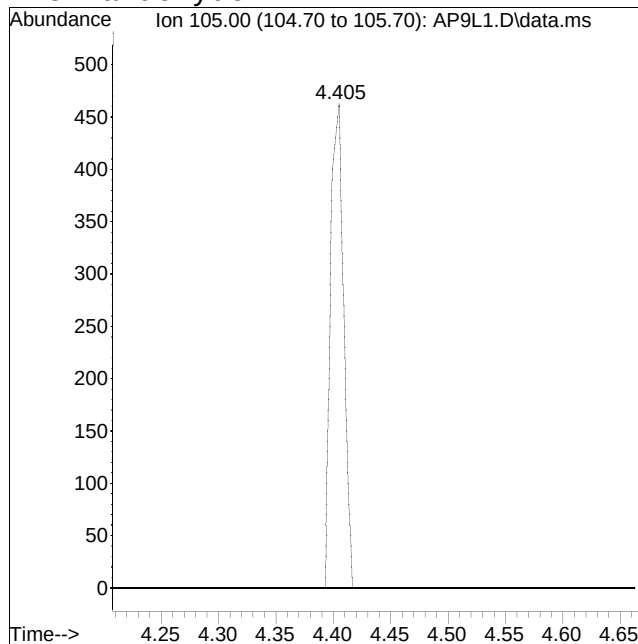
Data Path : I:\8270\SV112\250313RVTicalQMethod : FS250313SV112RVT.m
Data File : AP9L1.D Operator : SV112:ljg
Date Inj'd : 3/13/2025 8:14 pm Instrument : SV112
Sample : IL10,32,,AP9L0.1 Lot# 11440 Quant Date : 3/13/2025 8:36 pm

Compound #28: Benzaldehyde



Original Peak Response = 0

M2 = Peak not found by automatic integration algorithm.

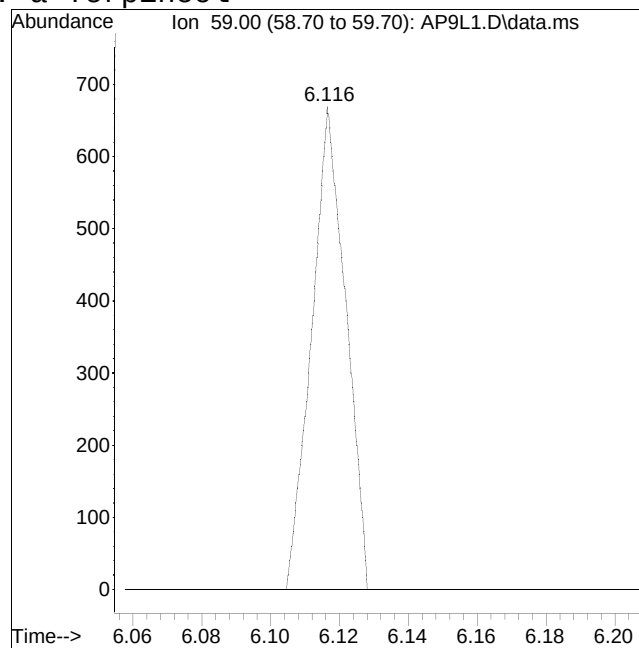
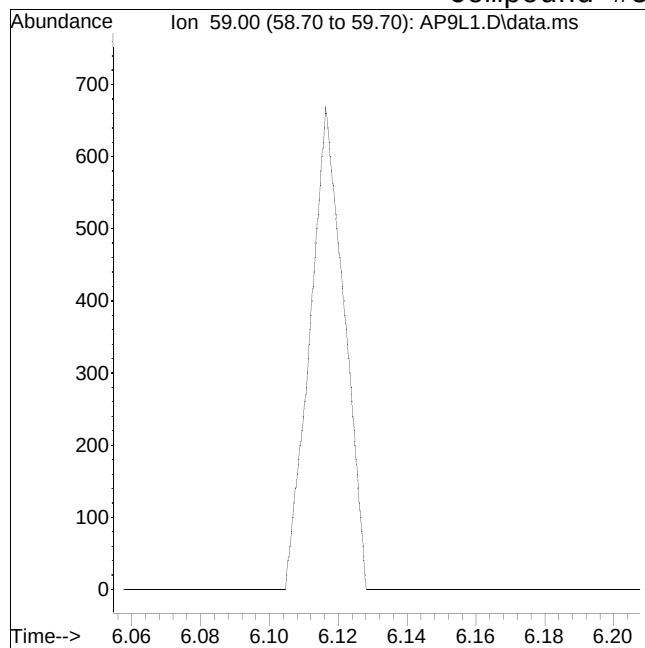


Manual Peak Response = 368 M2

Manual Integration Report

Data Path : I:\8270\SV112\250313RVTical\Method : FS250313SV112RVT.m
Data File : AP9L1.D Operator : SV112:ljb
Date Inj'd : 3/13/2025 8:14 pm Instrument : SV112
Sample : IL10,32,,AP9L0.1 Lot# 11440 Quant Date : 3/13/2025 8:36 pm

Compound #56: a-Terpineol



Original Peak Response = 0

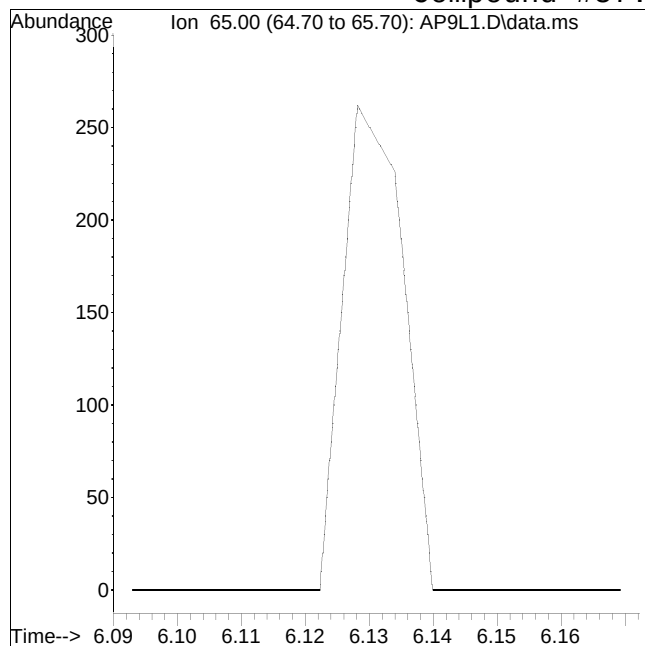
Manual Peak Response = 461 M2

M2 = Peak not found by automatic integration algorithm.

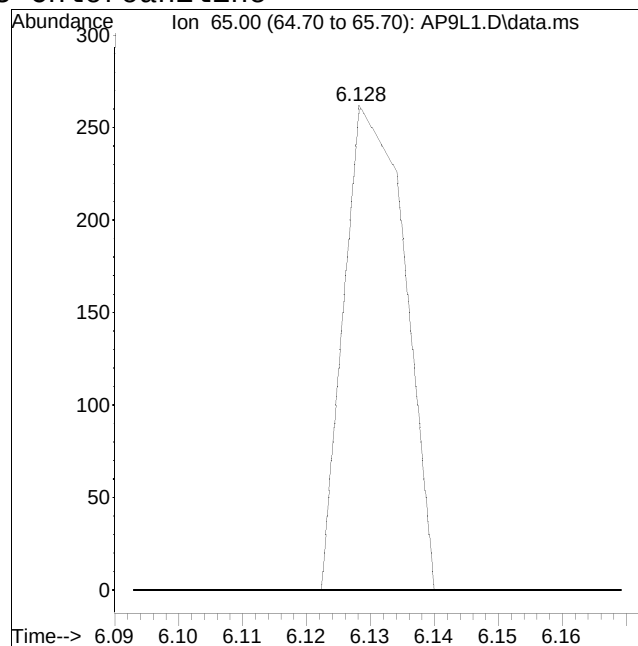
Manual Integration Report

Data Path : I:\8270\SV112\250313RVTicalMethod : FS250313SV112RVT.m
Data File : AP9L1.DOperator : SV112:lvg
Date Inj'd : 3/13/2025 8:14 pmInstrument : SV112
Sample : IL10,32,,AP9L0.1 Lot# 1144Quant Date : 3/13/2025 8:36 pm

Compound #57: 3-Chloroaniline



Original Peak Response = 0



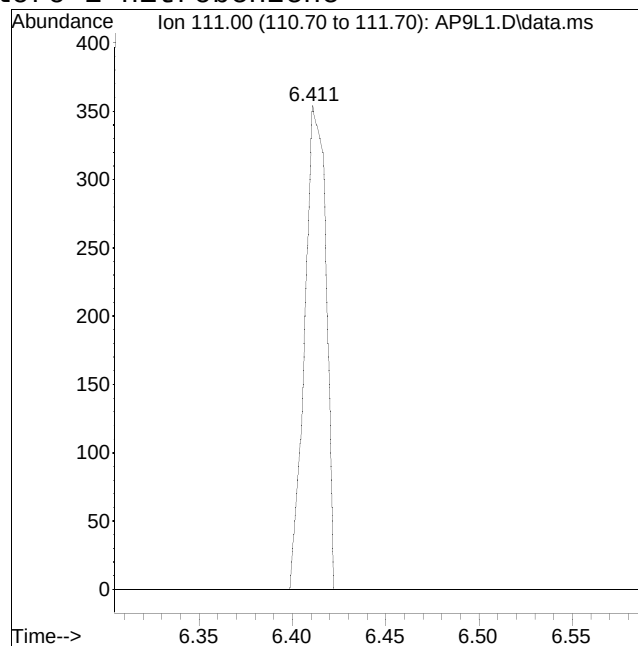
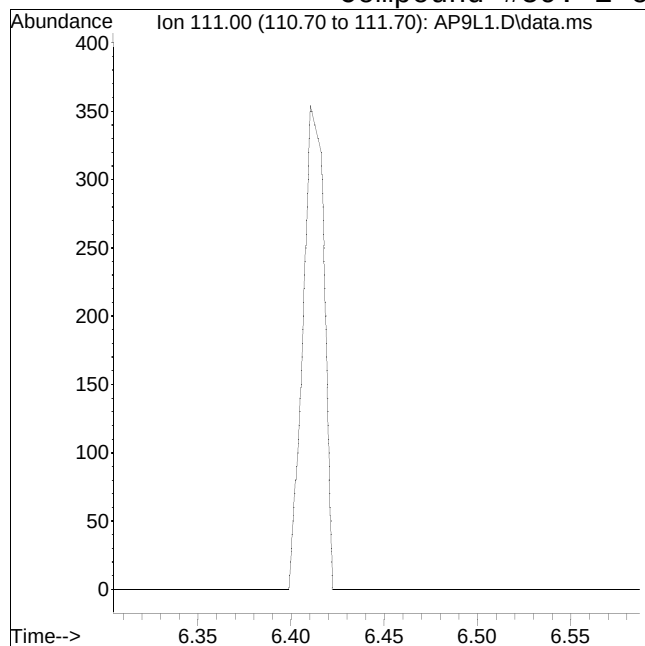
Manual Peak Response = 172 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250313RVTica01
Data File : AP9L1.D
Date Inj'd : 3/13/2025 8:14 pm
Sample : IL10,32,,AP9L0.1 Lot# 11440
Method : FS250313SV112RVT.m
Operator : SV112:lvg
Instrument : SV112
Quant Date : 3/13/2025 8:36 pm

Compound #59: 1-chloro-2-nitrobenzene



Original Peak Response = 0

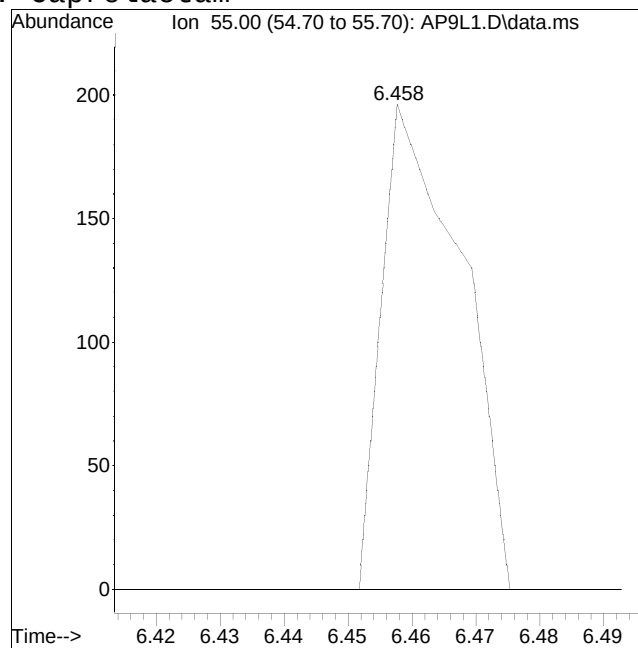
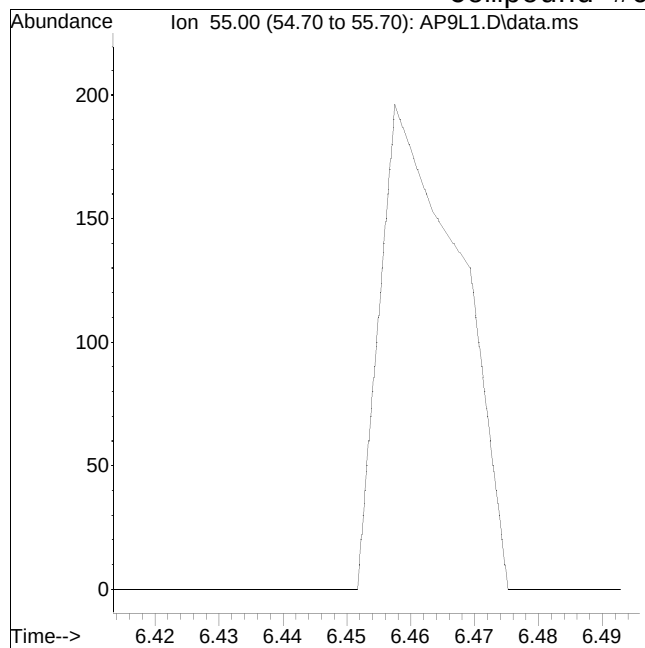
Manual Peak Response = 280 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250313RVT\data\Method : FS250313SV112RVT.m
Data File : AP9L1.D Operator : SV112:ljb
Date Inj'd : 3/13/2025 8:14 pm Instrument : SV112
Sample : IL10,32,,AP9L0.1 Lot# 11440 Quant Date : 3/13/2025 8:36 pm

Compound #60: Caprolactam



Original Peak Response = 0

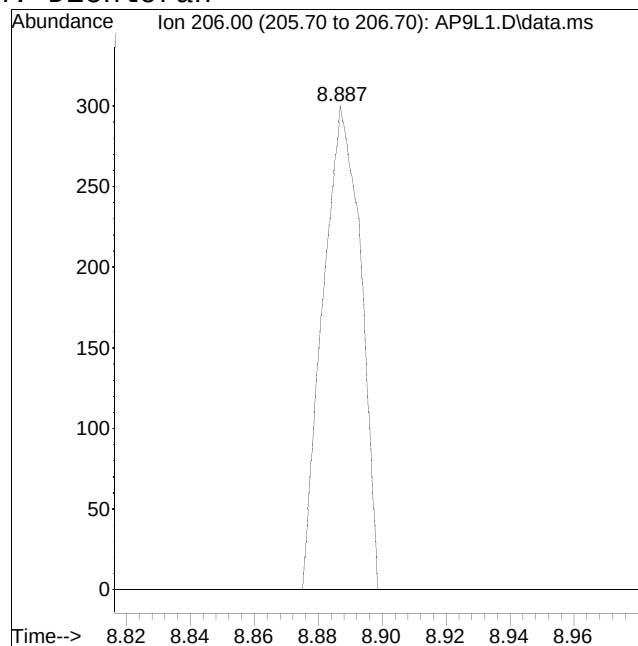
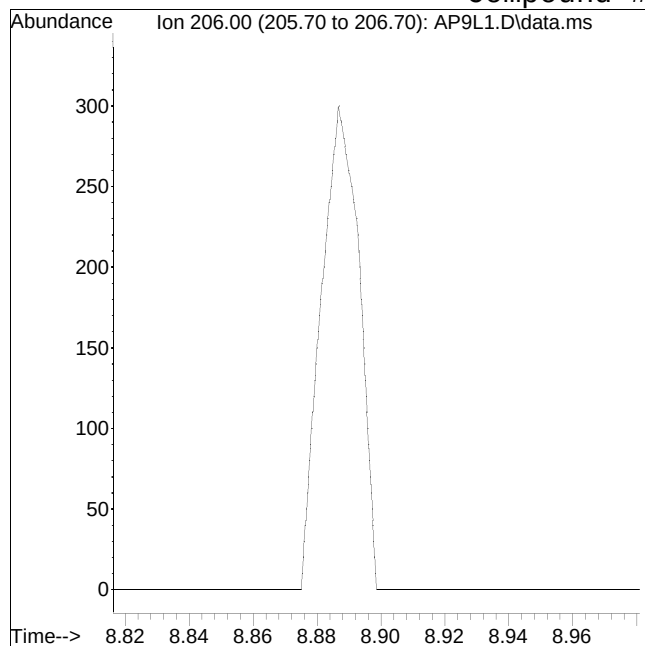
Manual Peak Response = 169 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250313RVTica01
Data File : AP9L1.D
Date Inj'd : 3/13/2025 8:14 pm
Sample : IL10,32,,AP9L0.1 Lot# 11440
Method : FS250313SV112RVT.m
Operator : SV112:lvg
Instrument : SV112
Quant Date : 3/13/2025 8:36 pm

Compound #84: Dichloran



Original Peak Response = 0

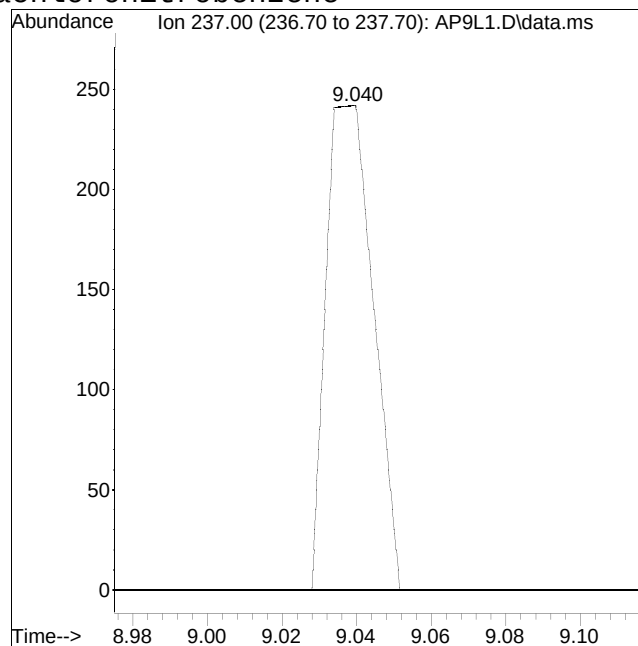
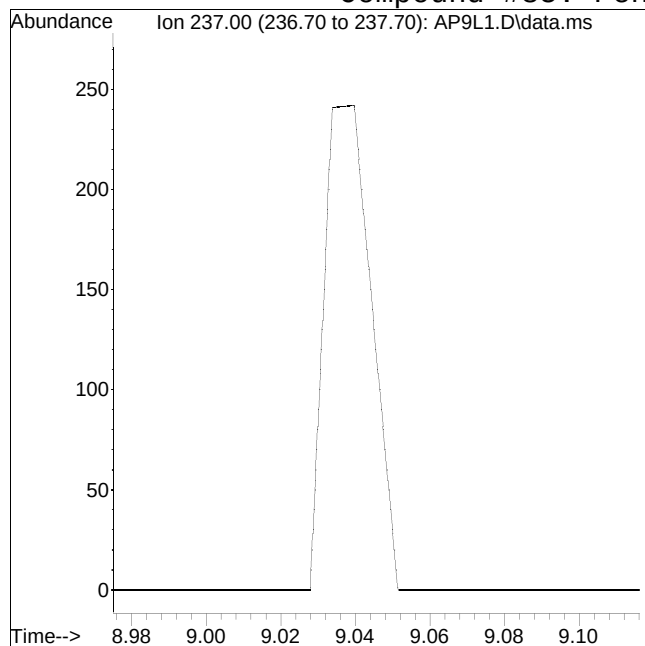
Manual Peak Response = 248 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

Data Path : I:\8270\SV112\250313RVTica01
Data File : AP9L1.D
Date Inj'd : 3/13/2025 8:14 pm
Sample : IL10,32,,AP9L0.1 Lot# 11440
Method : FS250313SV112RVT.m
Operator : SV112:lvg
Instrument : SV112
Quant Date : 3/13/2025 8:36 pm

Compound #85: Pentachloronitrobenzene



Original Peak Response = 0

Manual Peak Response = 212 M2

M2 = Peak not found by automatic integration algorithm.

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV112\250313RVTical\
 Data File : ABNICV.D
 Acq On : 13 Mar 2025 08:37 pm
 Operator : SV112:ljj
 Sample : CQICV1,32,,ABNICV Lot# 11452
 Misc : WG2040627
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Mar 14 11:19:19 2025
 Quant Method : I:\8270\SV112\250313RVTical\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Mar 14 11:20:18 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	IS1_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	87	0.00
2 T	n-Nitrosodimethylamine	0.695	0.809	-16.4	99	0.00
3 T	Pyridine	1.215	1.025	15.6	74	0.00
4 S	2-Fluorophenol	1.083	1.190	-9.9	96	0.00
5 T	Aniline	1.770	2.002	-13.1	93	0.00
6 T	2-Chlorophenol	1.247	1.313	-5.3	94	0.00
7 S	Phenol-d6	1.350	1.518	-12.4	98	0.00
8 T	Phenol	1.592	1.762	-10.7	97	0.00
9 T	Bis(2-chloroethyl)ether	1.152	1.304	-13.2	98	0.00
10 T	1,3-Dichlorobenzene	1.473	1.640	-11.3	101	0.00
11 T	1,4-Dichlorobenzene	1.525	1.653	-8.4	98	0.00
12 T	1,2-Dichlorobenzene	1.463	1.617	-10.5	102	0.00
13 T	Benzyl alcohol	0.972	1.070	-10.1	97	0.00
14 T	Bis(2-chloroisopropyl)ether	1.674	1.816	-8.5	98	0.00
15 T	2-Methylphenol	1.055	1.157	-9.7	95	0.00
16 T	Hexachloroethane	0.561	0.622	-10.9	101	0.00
17 T	n-Nitrosodi-n-propylamine	0.904	0.955	-5.6	93	0.00
18 T	3-Methylphenol/4-Methylphen	1.169	1.271	-8.7	99	0.00
19 S	Nitrobenzene-d5	1.275	1.376	-7.9	94	0.00
20 T	Nitrobenzene	1.302	1.421	-9.1	96	0.00
21 T	Isophorone	2.405	2.644	-9.9	96	0.00
22 T	2-Nitrophenol	0.593	0.631	-6.4	91	0.00
23 T	2,4-Dimethylphenol	1.237	1.386	-12.0	98	0.00
24 T	Bis(2-chloroethoxy)methane	1.616	1.762	-9.0	100	0.00
25 T	2,4-Dichlorophenol	1.135	1.292	-13.8	98	0.00
26 T	1,2,4-Trichlorobenzene	1.440	1.574	-9.3	101	0.00
35 I	IS1_Naphthalene-d8	1.000	1.000	0.0	90	0.00
36 T	Naphthalene	1.025	1.101	-7.4	100	0.00
37 T	Benzoic Acid	* 5.000	3.649	27.0#	75	0.00
38 T	4-Chloroaniline	0.128	0.142	-10.9	98	0.00
39 T	Hexachlorobutadiene	0.261	0.257	1.5	93	0.00
40 T	p-Chloro-m-cresol	0.287	0.315	-9.8	99	0.00
41 T	2-Methylnaphthalene	0.638	0.716	-12.2	105	0.00
42 T	1-Methylnaphthalene	0.244	0.265	-8.6	101	0.00
43 T	Hexachlorocyclopentadiene	0.315	0.338	-7.3	98	0.00
44 T	2,4,6-Trichlorophenol	0.270	0.276	-2.2	94	0.00
45 T	2,4,5-Trichlorophenol	0.273	0.312	-14.3	100	0.00
46 S	2-Fluorobiphenyl	0.916	0.989	-8.0	101	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV112\250313RVTical\
 Data File : ABNICV.D
 Acq On : 13 Mar 2025 08:37 pm
 Operator : SV112:ljj
 Sample : CQICV1,32,,ABNICV Lot# 11452
 Misc : WG2040627
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Mar 14 11:19:19 2025
 Quant Method : I:\8270\SV112\250313RVTical\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Mar 14 11:20:18 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
47 T	2-Chloronaphthalene	0.748	0.820	-9.6	101	0.00
48 T	2-Nitroaniline	0.202	0.222	-9.9	96	0.00
49 T	1,4-Dinitrobenzene	0.110	0.111	-0.9	92	0.00
50 T	1,3-Dinitrobenzene	0.123	0.129	-4.9	93	0.00
51 T	Dimethyl phthalate	0.959	1.020	-6.4	99	0.00
52 T	Acenaphthylene	1.213	1.349	-11.2	100	0.00
53 T	2,6-Dinitrotoluene	0.176	0.198	-12.5	93	0.00
54 T	1,2-Dinitrobenzene	0.081	0.085	-4.9	92	0.00
63 I	IS1_Acenaphthene-d10	1.000	1.000	0.0	91	0.00
64 T	3-Nitroaniline	0.309	0.338	-9.4	98	0.00
65 T	Acenaphthene	1.072	1.130	-5.4	101	0.00
66 T	2,4-Dinitrophenol	* 5.000	4.273	14.5	89	0.00
67 T	Dibenzofuran	1.844	1.925	-4.4	101	0.00
68 T	2,4-Dinitrotoluene	0.402	0.426	-6.0	95	0.00
69 T	4-Nitrophenol	0.229	0.262	-14.4	96	0.00
70 T	2,3,5,6-Tetrachlorophenol	0.392	0.428	-9.2	95	0.00
71 T	2,3,4,6-Tetrachlorophenol	0.400	0.433	-8.2	98	0.00
72 T	Diethyl phthalate	1.497	1.592	-6.3	100	0.00
73 T	Fluorene	1.449	1.546	-6.7	102	0.00
74 T	4-Chlorophenyl phenyl ether	0.764	0.811	-6.2	104	0.00
75 T	4-Nitroaniline	0.322	0.366	-13.7	100	0.00
76 T	4,6-Dinitro-o-cresol	0.234	0.242	-3.4	91	0.00
77 T	NDPA/DPA	1.191	1.320	-10.8	102	0.00
78 T	Azobenzene	1.339	1.496	-11.7	101	0.00
79 S	2,4,6-Tribromophenol	0.241	0.255	-5.8	101	0.00
80 T	4-Bromophenyl phenyl ether	0.498	0.508	-2.0	100	0.00
81 T	Hexachlorobenzene	0.586	0.601	-2.6	103	0.00
82 T	Pentachlorophenol	0.315	0.322	-2.2	88	0.00
88 I	IS1_Phenanthrene-d10	1.000	1.000	0.0	91	0.00
89 T	Phenanthrene	1.091	1.127	-3.3	102	0.00
90 T	Anthracene	1.047	1.146	-9.5	102	0.00
91 T	Carbazole	0.974	1.057	-8.5	100	0.00
92 T	Di-n-butylphthalate	1.090	1.183	-8.5	97	0.00
93 T	Fluoranthene	1.279	1.392	-8.8	101	0.00
94 T	Benzidine	0.692	0.812	-17.3	101	0.00
95 T	Pyrene	1.335	1.485	-11.2	101	0.00
96 S	4-Terphenyl-d14	1.046	1.144	-9.4	101	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV112\250313RVTical\
 Data File : ABNICV.D
 Acq On : 13 Mar 2025 08:37 pm
 Operator : SV112:ljj
 Sample : CQICV1,32,,ABNICV Lot# 11452
 Misc : WG2040627
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Mar 14 11:19:19 2025
 Quant Method : I:\8270\SV112\250313RVTical\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Mar 14 11:20:18 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
97 T	Butyl benzyl phthalate	0.474	0.494	-4.2	97	0.00
104 I	IS1_Chrysene-d12	1.000	1.000	0.0	92	0.00
105 T	Benzo(a)anthracene	1.245	1.313	-5.5	100	0.00
106 T	3,3'-Dichlorobenzidine	0.447	0.503	-12.5	102	0.00
107 T	Chrysene	1.192	1.259	-5.6	102	0.00
108 T	Bis(2-ethylhexyl)phthalate	0.622	0.680	-9.3	95	0.00
109 T	Di-n-octylphthalate	0.994	1.120	-12.7	98	0.00
110 T	Benzo(b)fluoranthene	1.202	1.394	-16.0	100	0.00
111 T	Benzo(k)fluoranthene	1.200	1.234	-2.8	99	0.00
112 T	Benzo(a)pyrene	1.127	1.236	-9.7	100	0.00
113 I	IS1_Perylene-d12	1.000	1.000	0.0	91	0.00
114 T	Indeno(1,2,3-cd)pyrene	1.096	1.143	-4.3	102	0.00
115 T	Dibenzo(a,h)anthracene	1.063	1.140	-7.2	99	0.00
116 T	Benzo(ghi)perylene	1.099	1.155	-5.1	100	0.00

* Evaluation of CC level amount vs concentration.
 (#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250313RVTical\
 Data File : ABNICV.D
 Acq On : 13 Mar 2025 08:37 pm
 Operator : SV112:ljj
 Sample : CQICV1,32,,ABNICV Lot# 11452
 Misc : WG2040627
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Mar 14 11:19:19 2025
 Quant Method : I:\8270\SV112\250313RVTical\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Mar 14 11:20:18 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250313RVTical\ABNL6.D
 Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) IS1_1,4-Dichlorobenzen...	4.834	152	20353	4.000	ug/ml	0.00
Standard Area 1 = 23356			Recovery =	87.14%		
35) IS1_Naphthalene-d8	6.063	136	78483	4.000	ug/ml	0.00
Standard Area 1 = 87070			Recovery =	90.14%		
63) IS1_Acenaphthene-d10	7.769	164	51226	4.000	ug/ml	0.00
Standard Area 1 = 56356			Recovery =	90.90%		
88) IS1_Phenanthrene-d10	9.193	188	111744	4.000	ug/ml	# 0.00
Standard Area 1 = 122535			Recovery =	91.19%		
104) IS1_Chrysene-d12	11.828	240	129758	4.000	ug/ml	# 0.00
Standard Area 1 = 141005			Recovery =	92.02%		
113) IS1_Perylene-d12	13.292	264	139978	4.000	ug/ml	0.00
Standard Area 1 = 153196			Recovery =	91.37%		
System Monitoring Compounds						
4) 2-Fluorophenol	3.563	112	30283	5.498	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	274.90%#		
7) Phenol-d6	4.499	99	38614	5.620	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	281.00%#		
19) Nitrobenzene-d5	5.369	82	35006	5.395	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	539.50%#		
46) 2-Fluorobiphenyl	7.128	172	97010	5.398	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	539.80%#		
79) 2,4,6-Tribromophenol	8.528	330	16331	5.282	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	264.10%#		
96) 4-Terphenyl-d14	10.769	244	159784	5.468	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	546.80%#		
Target Compounds						
						Qvalue
2) n-Nitrosodimethylamine	2.199	74	20592	5.820	ug/ml	88
3) Pyridine	2.240	79	26067	4.216	ug/ml	86
5) Aniline	4.510	93	50925	5.654	ug/ml#	48
6) 2-Chlorophenol	4.628	128	33399	5.262	ug/ml	98
8) Phenol	4.510	94	44825	5.534	ug/ml#	44
9) Bis(2-chloroethyl)ether	4.593	93	33188	5.660	ug/ml	96
10) 1,3-Dichlorobenzene	4.775	146	41724	5.568	ug/ml	96
11) 1,4-Dichlorobenzene	4.846	146	42054	5.420	ug/ml	95
12) 1,2-Dichlorobenzene	4.993	146	41141	5.528	ug/ml	96
13) Benzyl alcohol	4.975	79	27220	5.503	ug/ml	96
14) Bis(2-chloroisopropyl)...	5.122	45	46198	5.425	ug/ml#	77

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250313RVTical\
 Data File : ABNICV.D
 Acq On : 13 Mar 2025 08:37 pm
 Operator : SV112:ljj
 Sample : CQICV1,32,,ABNICV Lot# 11452
 Misc : WG2040627
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Mar 14 11:19:19 2025
 Quant Method : I:\8270\SV112\250313RVTical\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Mar 14 11:20:18 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250313RVTical\ABNL6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15)	2-Methylphenol	5.105	108	29423	5.480	ug/ml	95
16)	Hexachloroethane	5.322	117	15814	5.543	ug/ml#	65
17)	n-Nitrosodi-n-propylamine	5.246	70	24292	5.279	ug/ml	96
18)	3-Methylphenol/4-Methy...	5.257	108	32340	5.437	ug/ml	95
20)	Nitrobenzene	5.387	77	36161	5.459	ug/ml	95
21)	Isophorone	5.628	82	67264	5.497	ug/ml	100
22)	2-Nitrophenol	5.705	139	16053	5.318	ug/ml	96
23)	2,4-Dimethylphenol	5.769	107	35250	5.599	ug/ml	99
24)	Bis(2-chloroethoxy)met...	5.857	93	44820	5.451	ug/ml	100
25)	2,4-Dichlorophenol	5.940	162	32874	5.694	ug/ml#	94
26)	1,2,4-Trichlorobenzene	6.016	180	40043	5.467	ug/ml	97
36)	Naphthalene	6.087	128	108008	5.369	ug/ml	99
37)	Benzoic Acid	5.834	105	15773	3.649	ug/ml	93
38)	4-Chloroaniline	6.152	65	13932	5.554	ug/ml	96
39)	Hexachlorobutadiene	6.234	225	25260	4.927	ug/ml	97
40)	p-Chloro-m-cresol	6.640	107	30863	5.483	ug/ml	96
41)	2-Methylnaphthalene	6.763	142	70201	5.605	ug/ml	99
42)	1-Methylnaphthalene	6.857	115	25954	5.426	ug/ml	97
43)	Hexachlorocyclopentadiene	6.934	237	33131	5.365	ug/ml	98
44)	2,4,6-Trichlorophenol	7.046	196	27069	5.110	ug/ml	98
45)	2,4,5-Trichlorophenol	7.075	196	30599	5.719	ug/ml	98
47)	2-Chloronaphthalene	7.228	162	80417	5.480	ug/ml	93
48)	2-Nitroaniline	7.334	138	21732	5.489	ug/ml	96
49)	1,4-Dinitrobenzene	7.463	168	10929	5.041	ug/ml	88
50)	1,3-Dinitrobenzene	7.540	168	12685	5.262	ug/ml	93
51)	Dimethyl phthalate	7.534	163	100058	5.315	ug/ml	100
52)	Acenaphthylene	7.628	152	132376	5.562	ug/ml	99
53)	2,6-Dinitrotoluene	7.575	165	19401	5.633	ug/ml	95
54)	1,2-Dinitrobenzene	7.622	168	8308	5.200	ug/ml#	1
64)	3-Nitroaniline	7.734	138	21673	5.483	ug/ml	96
65)	Acenaphthene	7.799	154	72325	5.267	ug/ml	95
66)	2,4-Dinitrophenol	7.834	184	10560	4.273	ug/ml#	85
67)	Dibenzofuran	7.963	168	123279	5.219	ug/ml	92
68)	2,4-Dinitrotoluene	7.963	165	27306	5.308	ug/ml	94
69)	4-Nitrophenol	7.910	65	16760	5.706	ug/ml	98
70)	2,3,5,6-Tetrachlorophenol	8.051	232	27378	5.451	ug/ml	99
71)	2,3,4,6-Tetrachlorophenol	8.093	232	27757	5.421	ug/ml	99
72)	Diethyl phthalate	8.222	149	101920	5.316	ug/ml	97
73)	Fluorene	8.299	166	98989	5.334	ug/ml	98
74)	4-Chlorophenyl phenyl ...	8.310	204	51938	5.306	ug/ml#	81

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250313RVTical\
 Data File : ABNICV.D
 Acq On : 13 Mar 2025 08:37 pm
 Operator : SV112:ljj
 Sample : CQICV1,32,,ABNICV Lot# 11452
 Misc : WG2040627
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Mar 14 11:19:19 2025
 Quant Method : I:\8270\SV112\250313RVTical\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Mar 14 11:20:18 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250313RVTical\ABNL6.D
 Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
75)	4-Nitroaniline	8.316	138	23424	5.686	ug/ml	95
76)	4,6-Dinitro-o-cresol	8.351	198	15474	5.168	ug/ml#	80
77)	NDPA/DPA	8.428	169	84535	5.544	ug/ml	94
78)	Azobenzene	8.463	77	95798	5.589	ug/ml	93
80)	4-Bromophenyl phenyl e...	8.781	248	32515	5.102	ug/ml#	83
81)	Hexachlorobenzene	8.834	284	38488	5.133	ug/ml#	86
82)	Pentachlorophenol	9.022	266	20597	5.106	ug/ml	99
89)	Phenanthrene	9.216	178	157458	5.168	ug/ml	99
90)	Anthracene	9.263	178	160030	5.472	ug/ml	99
91)	Carbazole	9.428	167	147631	5.428	ug/ml	98
92)	Di-n-butylphthalate	9.810	149	165192	5.423	ug/ml	100
93)	Fluoranthene	10.369	202	194367M3	5.438	ug/ml	
94)	Benzidine	10.516	184	113354	5.862	ug/ml#	97
95)	Pyrene	10.587	202	207481	5.562	ug/ml	99
97)	Butyl benzyl phthalate	11.292	149	69051	5.212	ug/ml	95
105)	Benzo(a)anthracene	11.822	228	212930	5.274	ug/ml	98
106)	3,3'-Dichlorobenzidine	11.816	252	81522	5.627	ug/ml#	97
107)	Chrysene	11.857	228	204134	5.277	ug/ml	99
108)	Bis(2-ethylhexyl)phtha...	11.922	149	110270	5.464	ug/ml	99
109)	Di-n-octylphthalate	12.604	149	181634	5.636	ug/ml	100
110)	Benzo(b)fluoranthene	12.922	252	226032	5.797	ug/ml#	95
111)	Benzo(k)fluoranthene	12.951	252	200232M3	5.142	ug/ml	
112)	Benzo(a)pyrene	13.239	252	200403	5.481	ug/ml#	95
114)	Indeno(1,2,3-cd)pyrene	14.286	276	200063M6	5.217	ug/mL	
115)	Dibenzo(a,h)anthracene	14.310	278	199441	5.360	ug/ml#	92
116)	Benzo(ghi)perylene	14.557	276	202163	5.257	ug/ml#	93

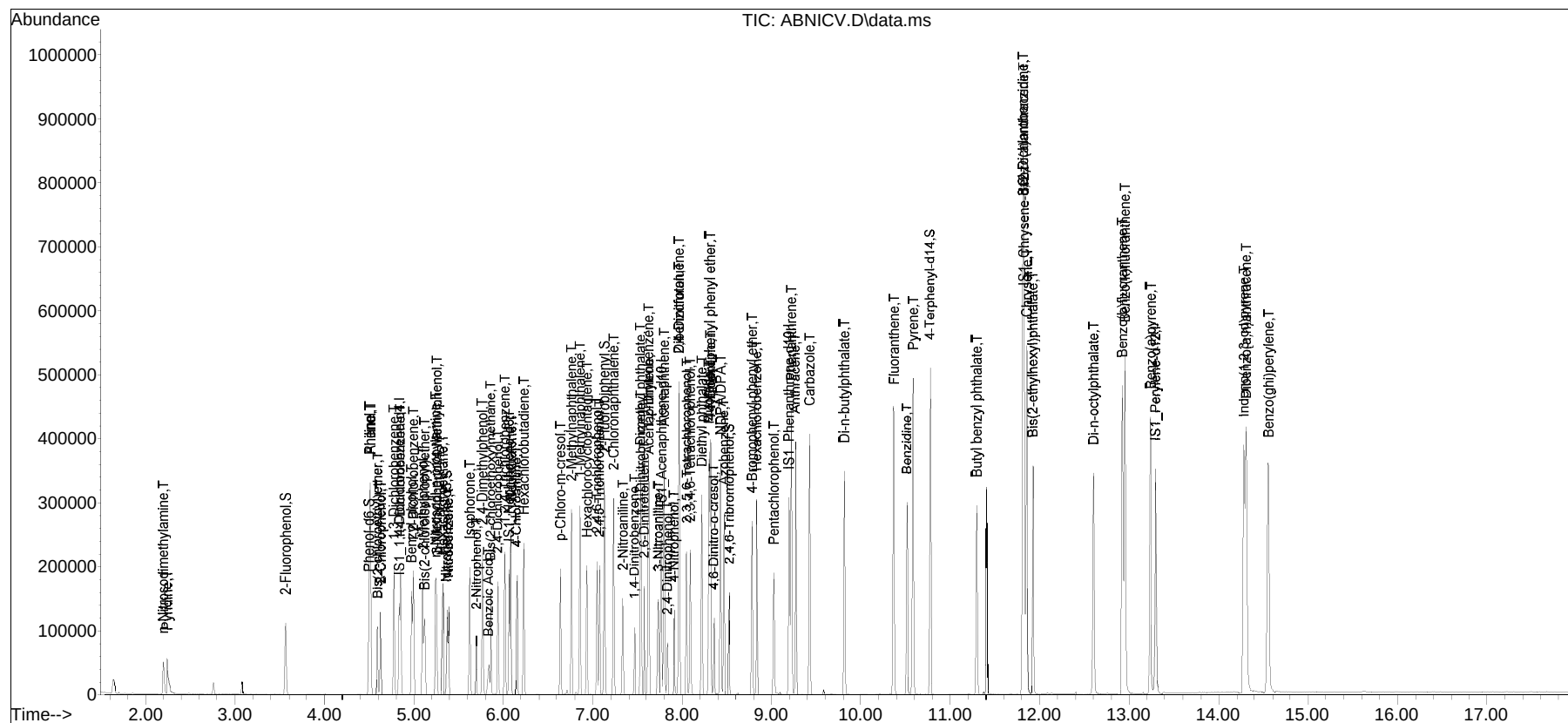
(#) = qualifier out of range (m) = manual integration (+) = signals summed

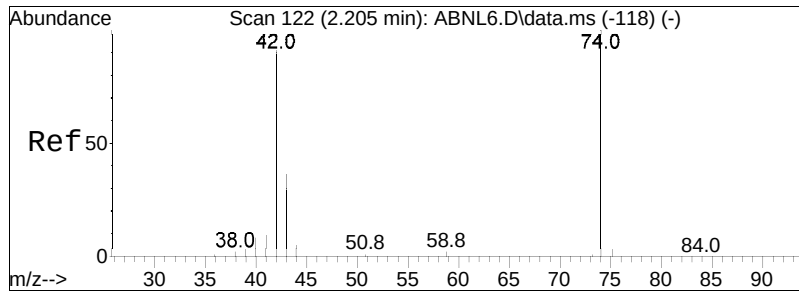
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250313RVTical\
Data File : ABNICV.D
Acq On : 13 Mar 2025 08:37 pm
Operator : SV112:lvg
Sample : CQICV1,32,,ABNICV Lot# 11452
Misc : WG2040627
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Mar 14 11:19:19 2025
Quant Method : I:\8270\SV112\250313RVTical\FS250313SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Mar 14 11:20:18 2025
Response via : Initial Calibration

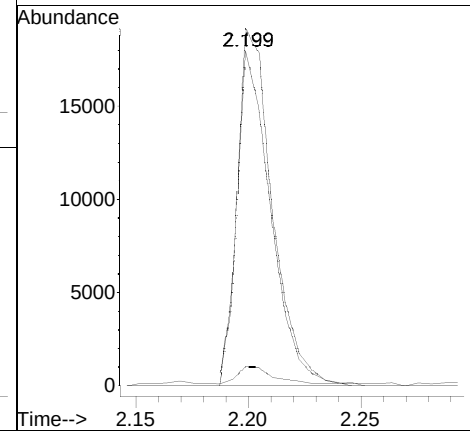
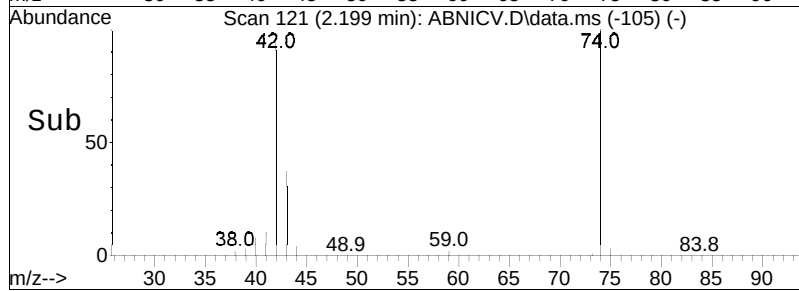
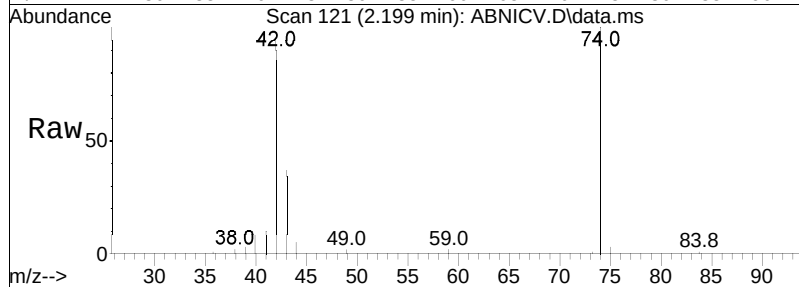
Sub List : ABNical - ABN ical sublistTical\ABNL6.D•

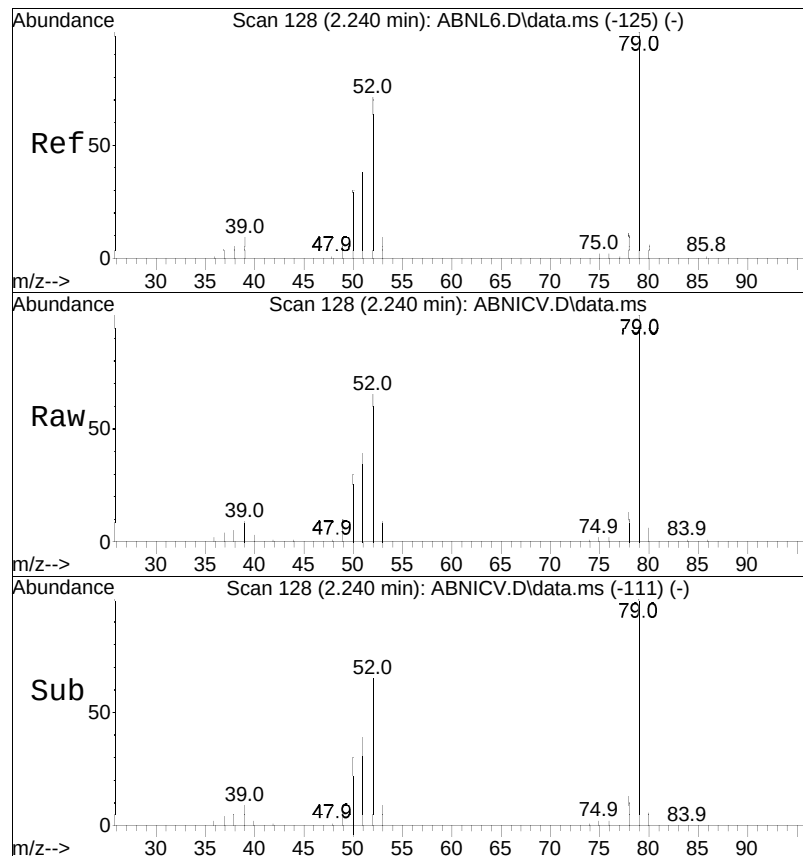




#2
 n-Nitrosodimethylamine
 Concen: 5.82 ug/ml
 RT: 2.199 min Scan# 121
 Delta R.T. -0.006 min
 Lab File: ABNICV.D
 Acq: 13 Mar 2025 08:37 pm

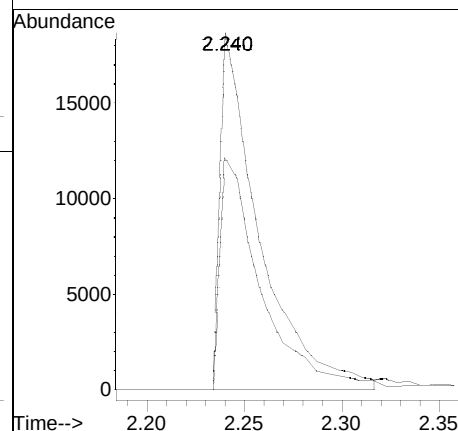
Tgt Ion: 74 Resp: 20592
 Ion Ratio Lower Upper
 74 100
 42 90.5 63.8 95.8
 44 4.8 4.3 6.5

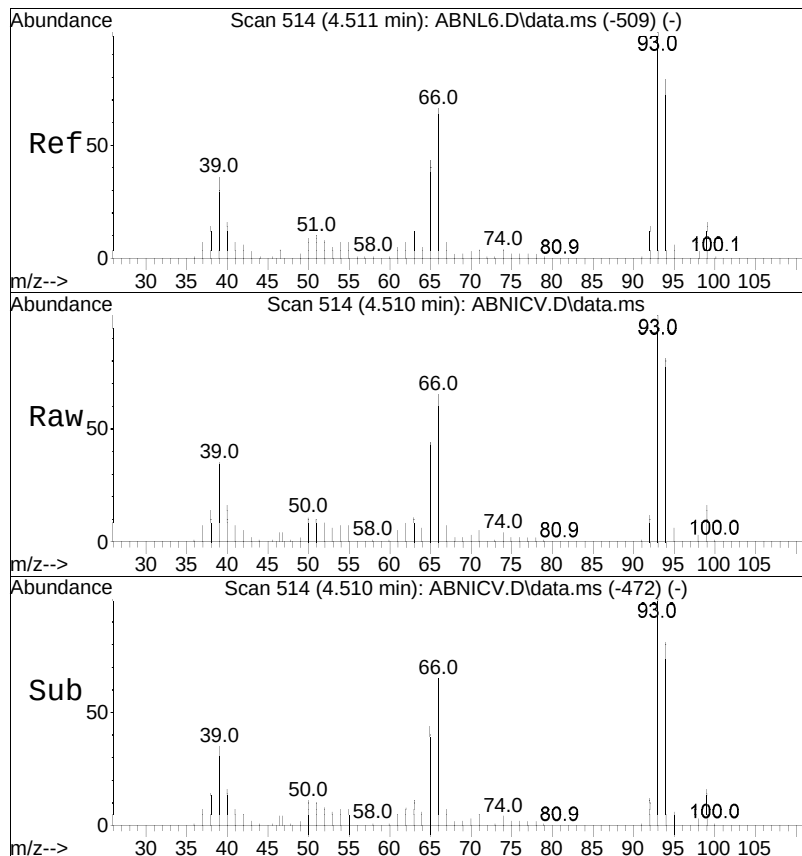




#3
 Pyridine
 Concen: 4.22 ug/ml
 RT: 2.240 min Scan# 128
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 13 Mar 2025 08:37 pm

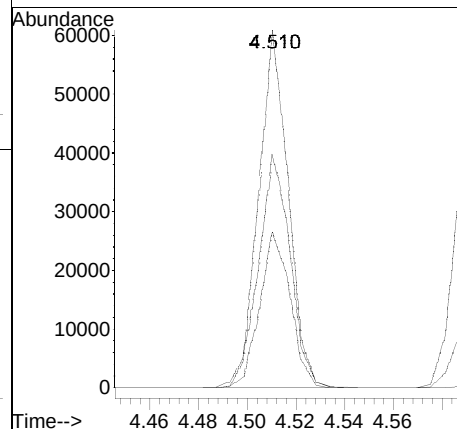
Tgt Ion: 79 Resp: 26067
 Ion Ratio Lower Upper
 79 100
 52 68.4 64.6 96.8

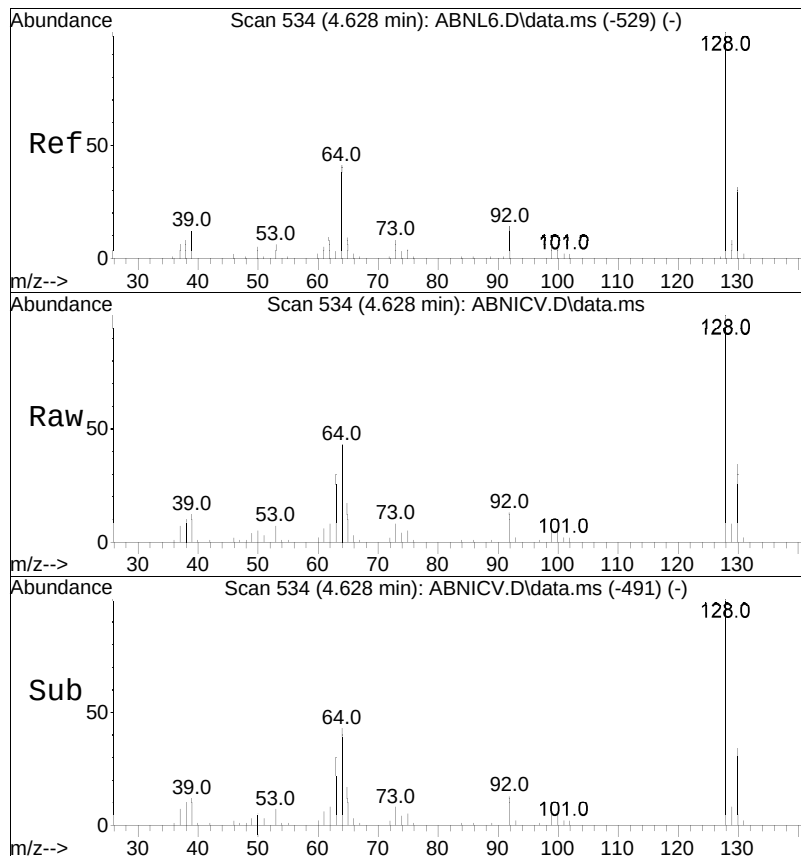




#5
 Aniline
 Concen: 5.65 ug/ml
 RT: 4.510 min Scan# 514
 Delta R.T. -0.001 min
 Lab File: ABNICV.D
 Acq: 13 Mar 2025 08:37 pm

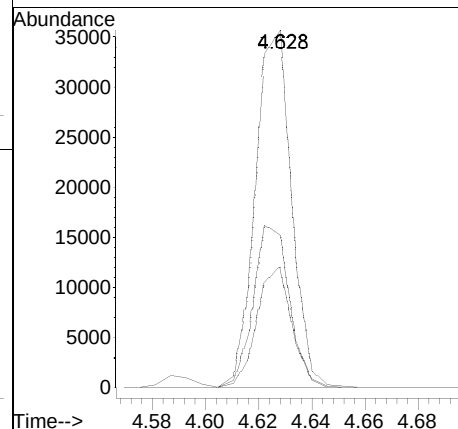
Tgt Ion	Ratio	Lower	Upper
93	100		
66	71.0	31.3	46.9#
65	45.4	16.6	25.0#

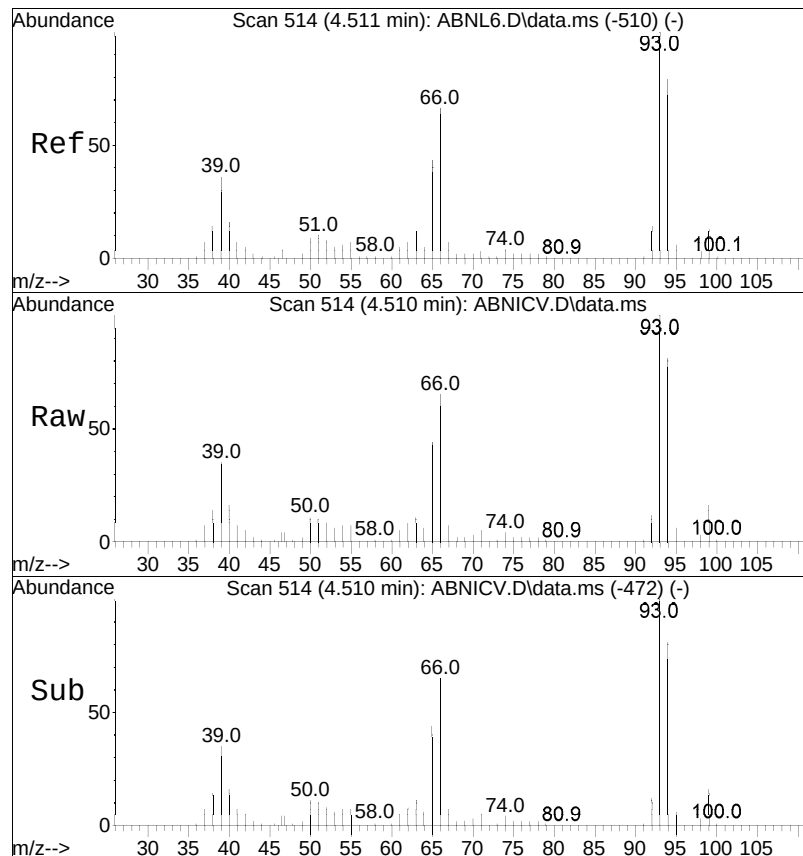




#6
 2-Chlorophenol
 Concen: 5.26 ug/ml
 RT: 4.628 min Scan# 534
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 13 Mar 2025 08:37 pm

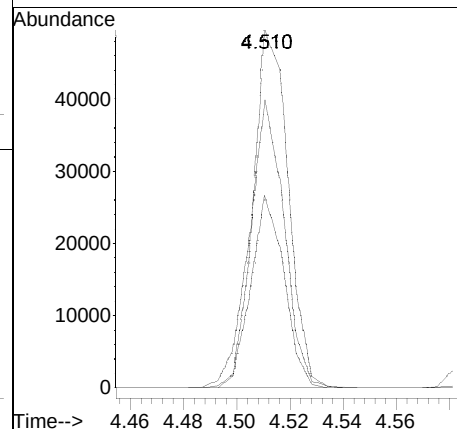
Tgt Ion:	128	Resp:	33399
Ion Ratio	Lower	Upper	
128	100		
64	45.6	38.2	57.4
130	32.8	26.2	39.2

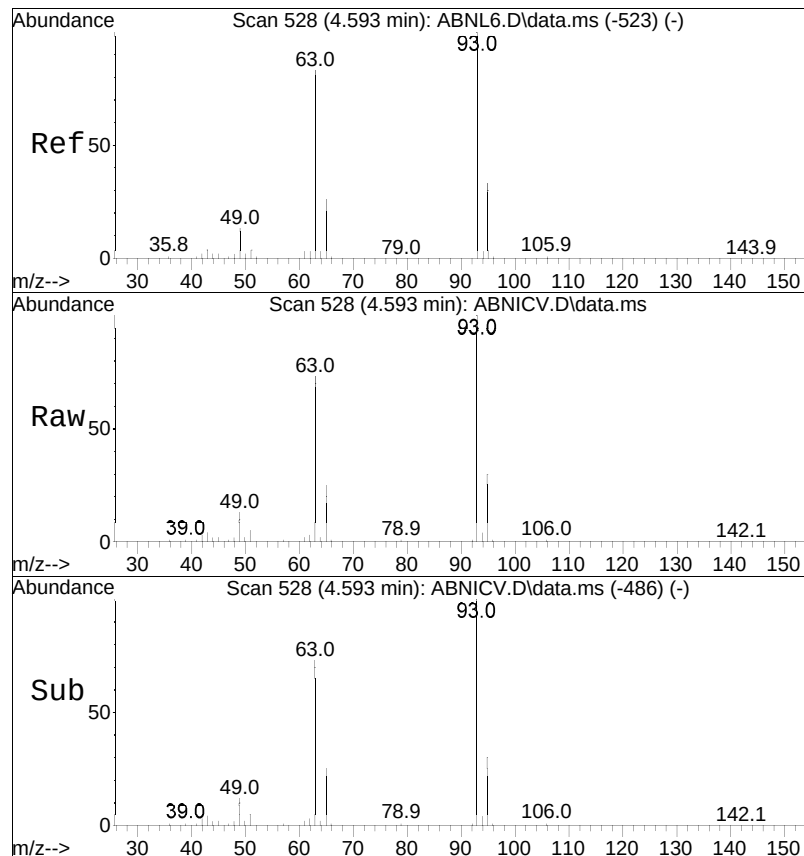




#8
 Phenol
 Concen: 5.53 ug/ml
 RT: 4.510 min Scan# 514
 Delta R.T. -0.001 min
 Lab File: ABNICV.D
 Acq: 13 Mar 2025 08:37 pm

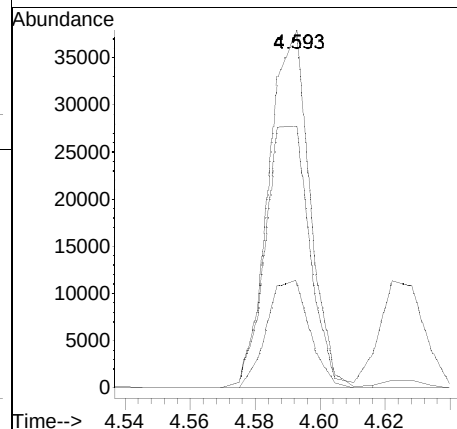
Tgt Ion	Ratio	Lower	Upper
94	100		
65	51.6	23.0	34.6#
66	80.7	32.1	48.1#

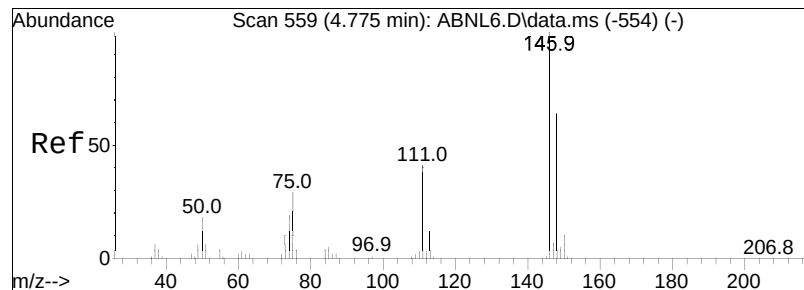




#9
 Bis(2-chloroethyl)ether
 Concen: 5.66 ug/ml
 RT: 4.593 min Scan# 528
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 13 Mar 2025 08:37 pm

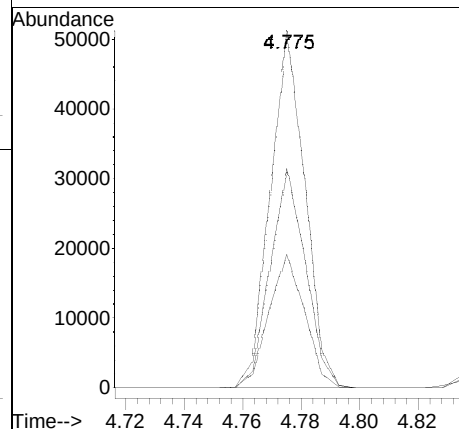
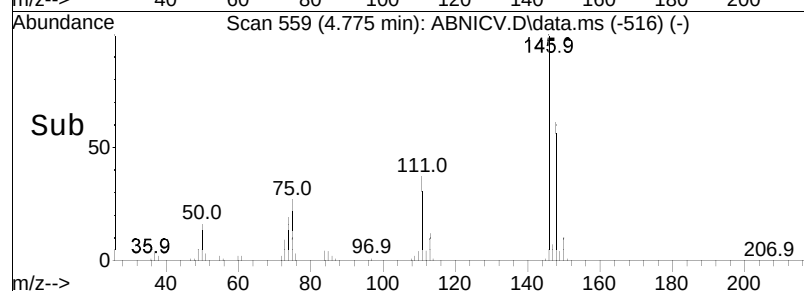
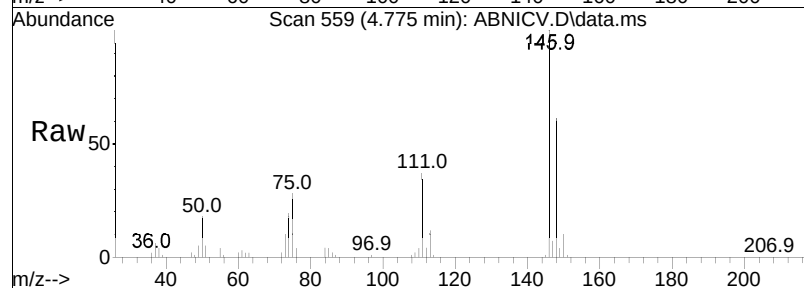
Tgt Ion:	93	Resp:	33188
Ion Ratio	Lower	Upper	
93	100		
63	79.0	67.0	100.4
95	31.3	26.1	39.1

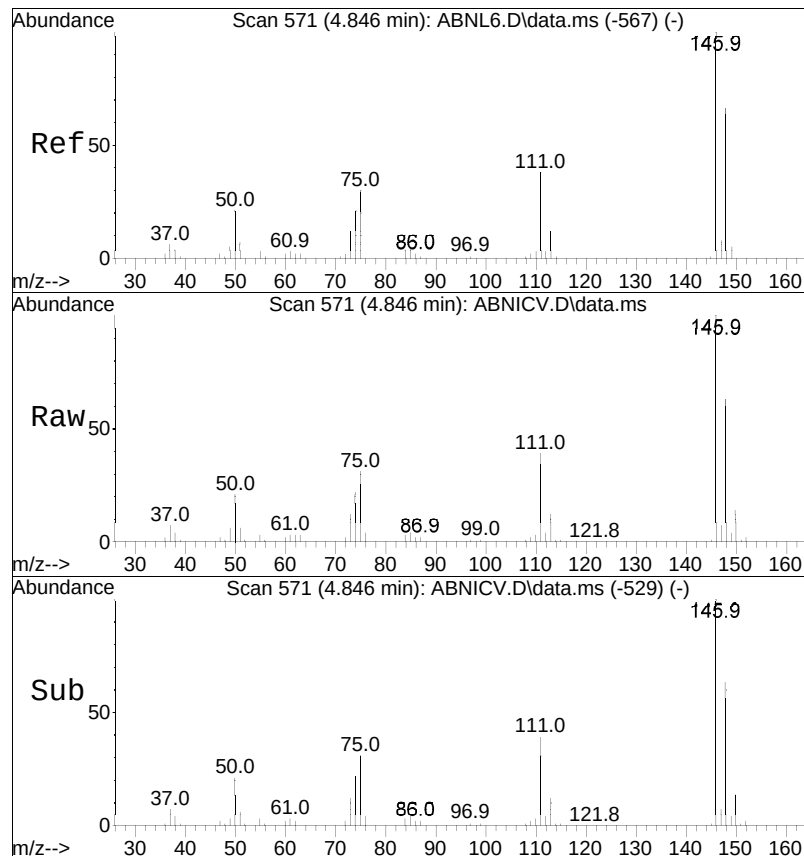




#10
 1,3-Dichlorobenzene
 Concen: 5.57 ug/ml
 RT: 4.775 min Scan# 559
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 13 Mar 2025 08:37 pm

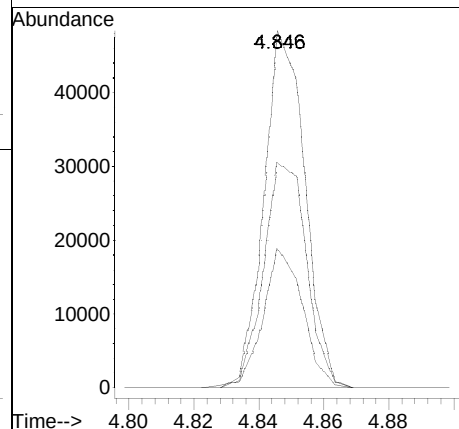
Tgt Ion	Ratio	Lower	Upper
146	100		
111	38.9	35.0	52.4
148	62.8	51.3	76.9

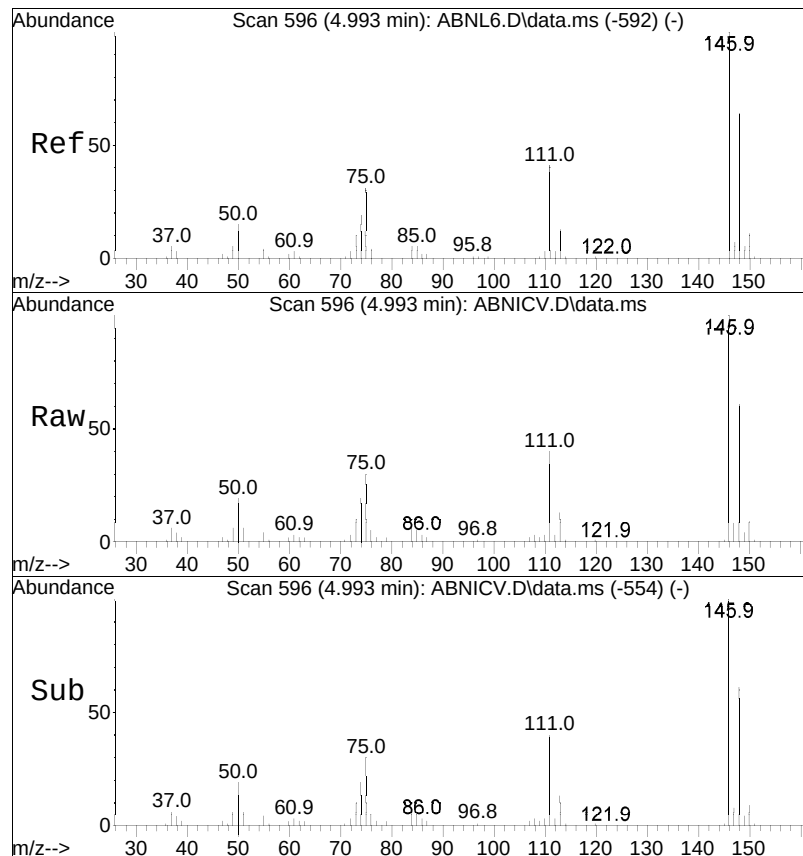




#11
 1,4-Dichlorobenzene
 Concen: 5.42 ug/ml
 RT: 4.846 min Scan# 571
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 13 Mar 2025 08:37 pm

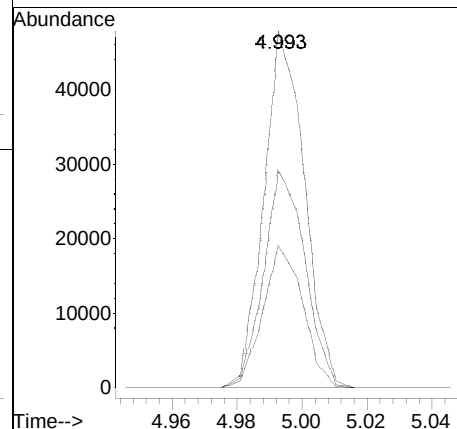
Tgt Ion	Ratio	Lower	Upper
146	100		
148	66.1	51.1	76.7
111	38.1	34.4	51.6

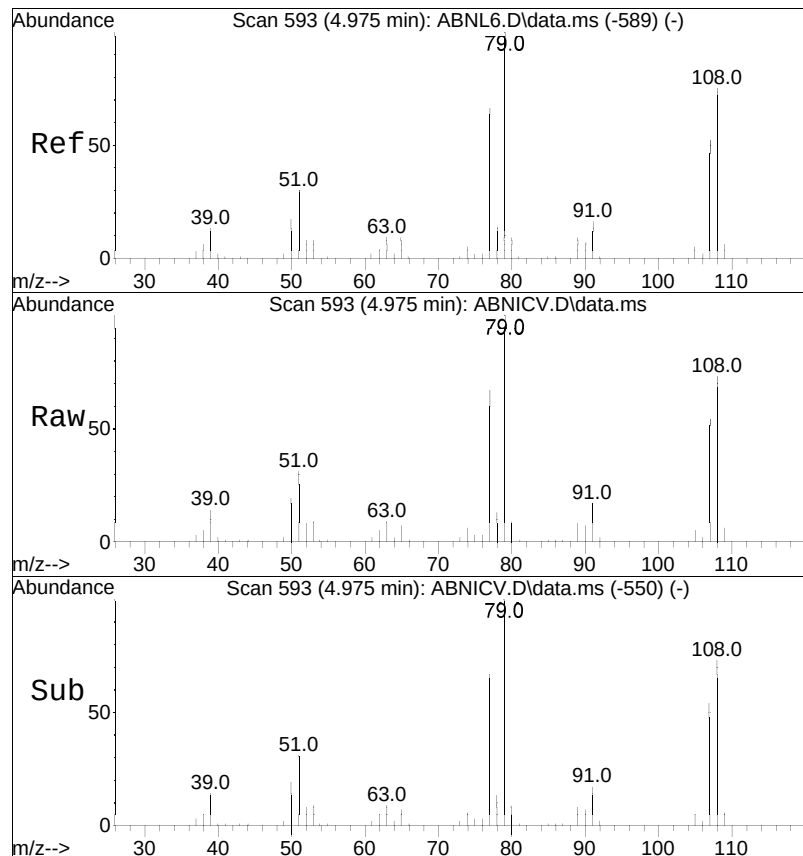




#12
 1,2-Dichlorobenzene
 Concen: 5.53 ug/ml
 RT: 4.993 min Scan# 596
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 13 Mar 2025 08:37 pm

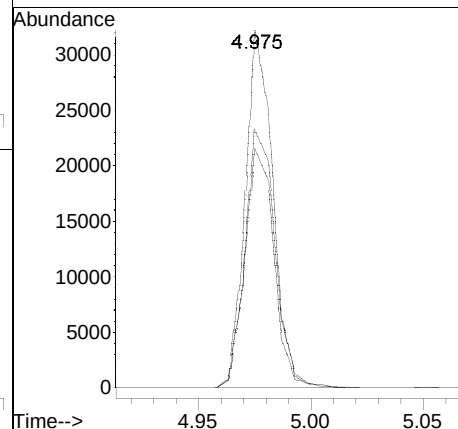
Tgt Ion	Ratio	Lower	Upper
146	100		
111	39.6	35.5	53.3
148	62.2	50.6	76.0

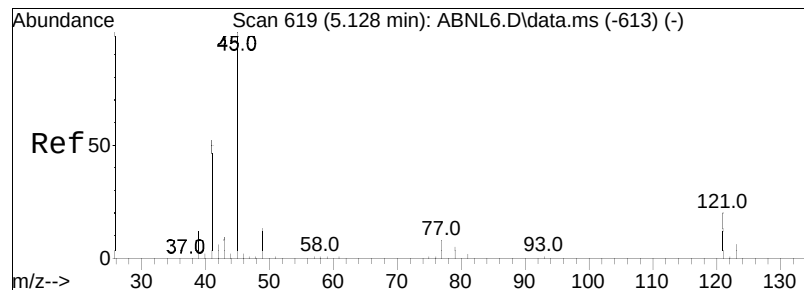




#13
 Benzyl alcohol
 Concen: 5.50 ug/ml
 RT: 4.975 min Scan# 593
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 13 Mar 2025 08:37 pm

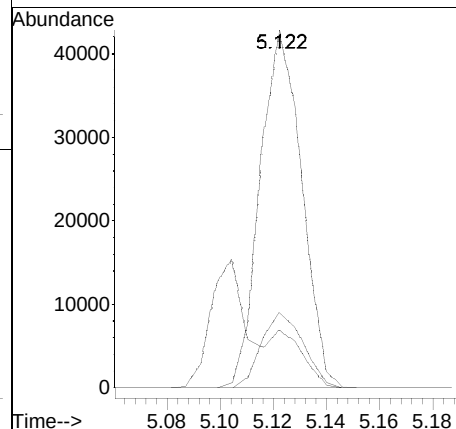
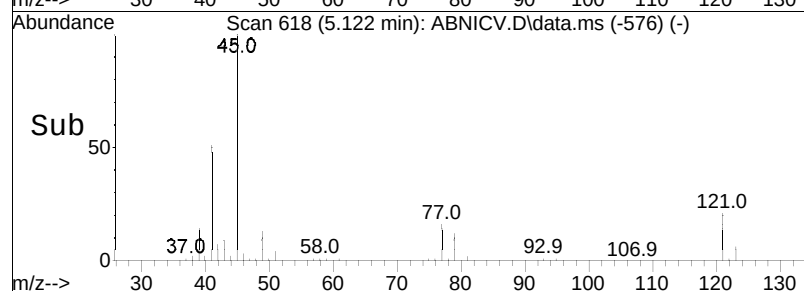
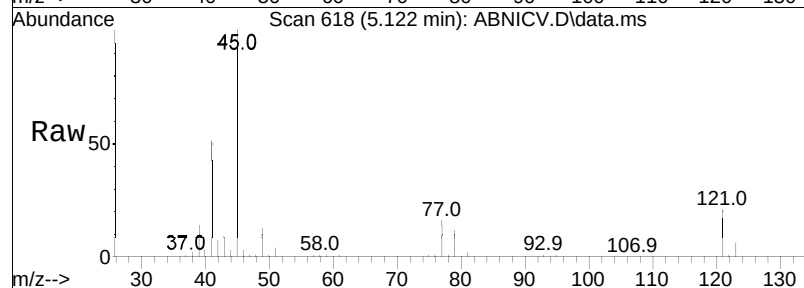
Tgt Ion:	79	Resp:	27220
Ion Ratio	Lower	Upper	
79	100		
77	71.1	51.8	77.6
108	78.9	63.9	95.9

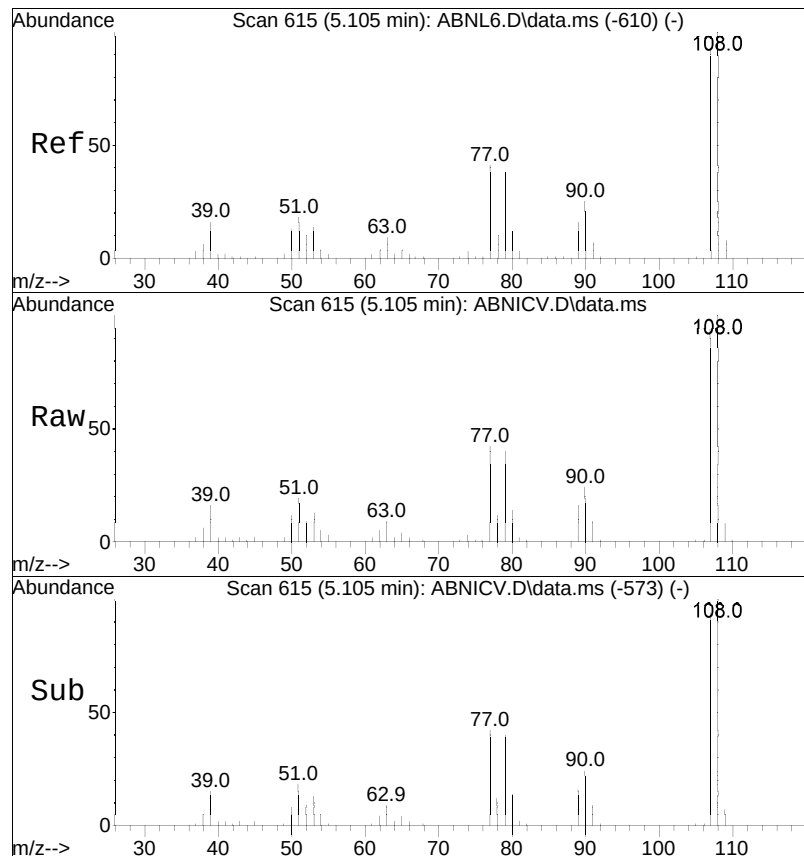




#14
 Bis(2-chloroisopropyl)ether
 Concen: 5.43 ug/ml
 RT: 5.122 min Scan# 618
 Delta R.T. -0.006 min
 Lab File: ABNICV.D
 Acq: 13 Mar 2025 08:37 pm

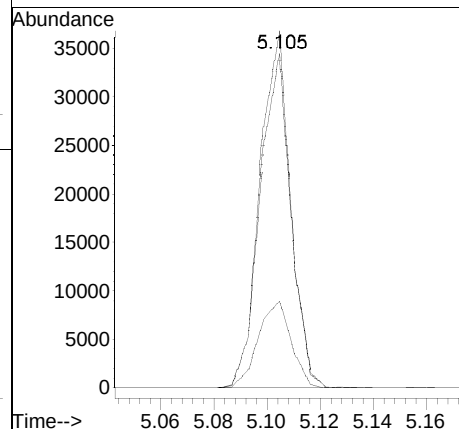
Tgt Ion	Ratio	Lower	Upper
45	100		
121	21.2	14.8	22.2
77	31.7	10.5	15.7

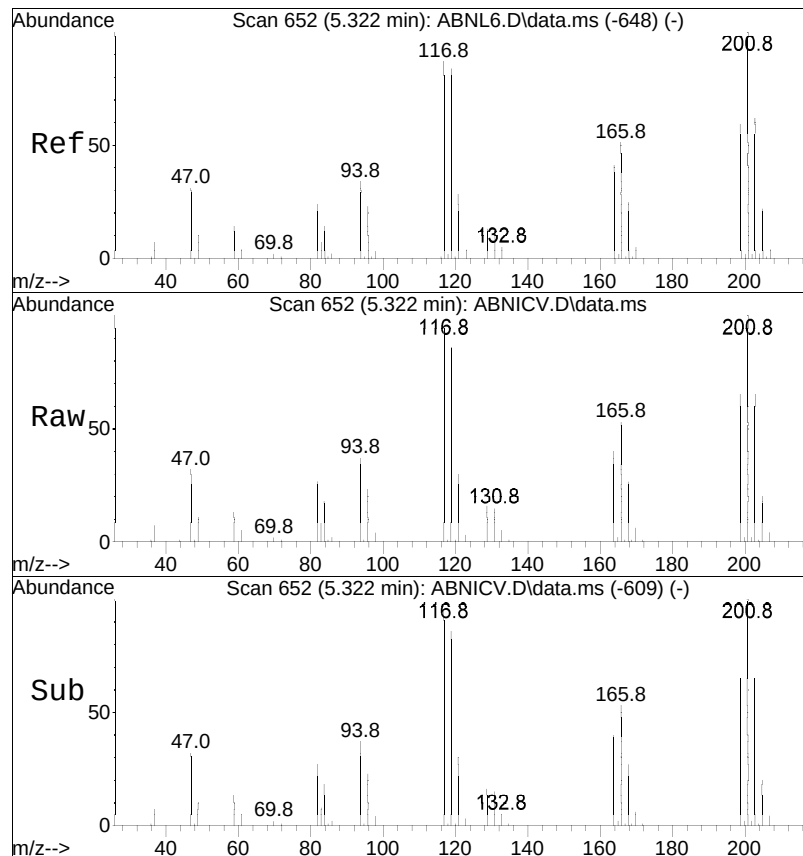




#15
 2-Methylphenol
 Concen: 5.48 ug/ml
 RT: 5.105 min Scan# 615
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 13 Mar 2025 08:37 pm

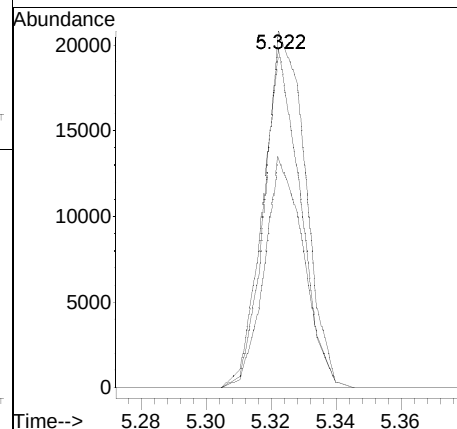
Tgt Ion	Ratio	Lower	Upper
108	100		
107	93.9	71.0	106.4
90	26.1	19.7	29.5

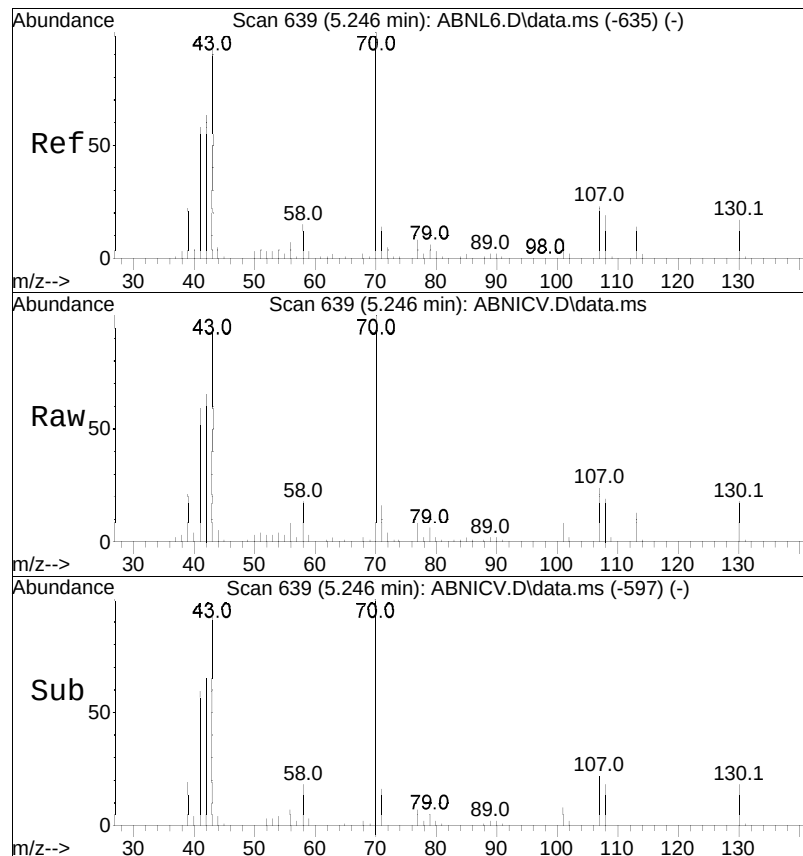




#16
 Hexachloroethane
 Concen: 5.54 ug/ml
 RT: 5.322 min Scan# 652
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 13 Mar 2025 08:37 pm

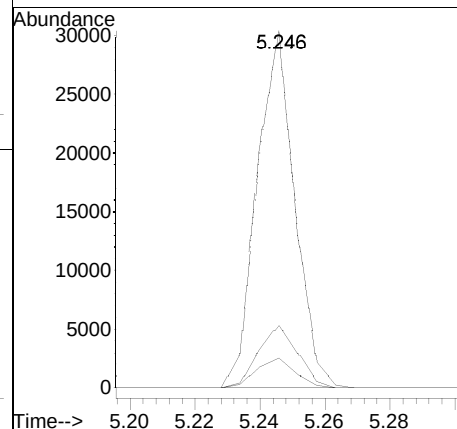
Tgt Ion	Ratio	Resp	Lower	Upper
117	100	15814		
201	113.8		64.4	96.6#
199	71.8		40.5	60.7#

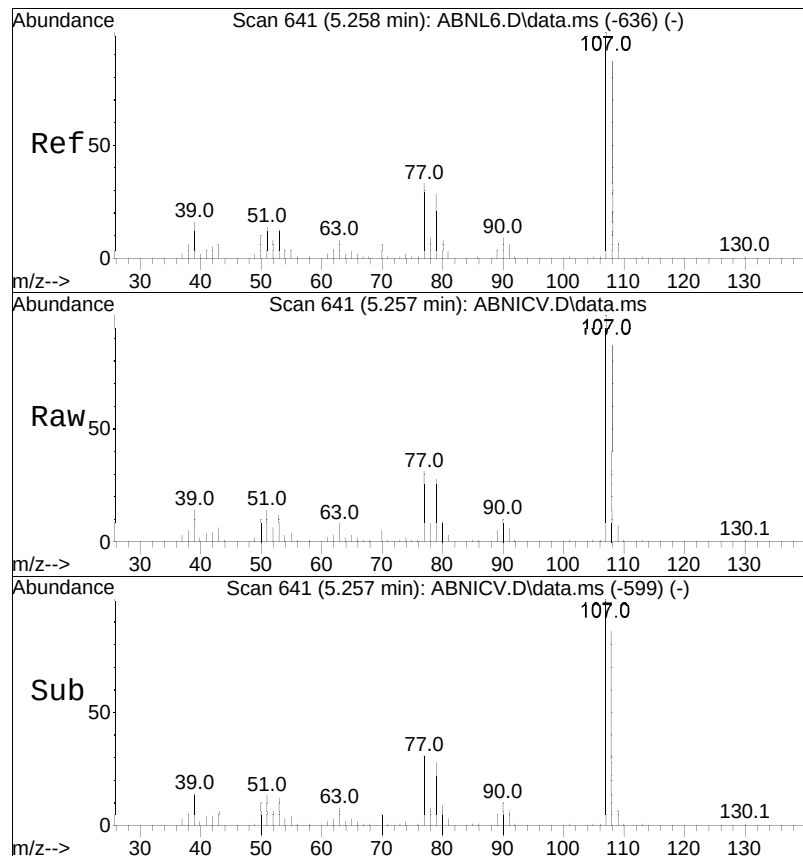




#17
 n-Nitrosodi-n-propylamine
 Concen: 5.28 ug/ml
 RT: 5.246 min Scan# 639
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 13 Mar 2025 08:37 pm

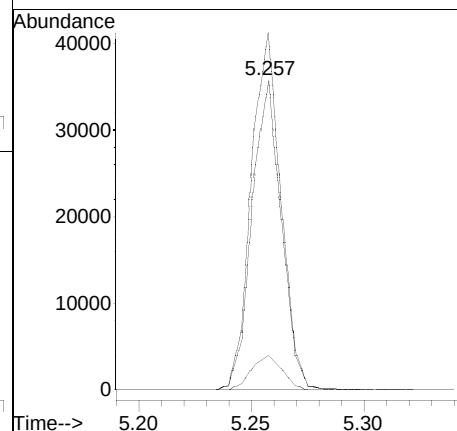
Tgt Ion:	70	Resp:	24292
Ion Ratio	Lower	Upper	
70	100		
130	18.3	16.2	24.4
101	8.6	7.6	11.4

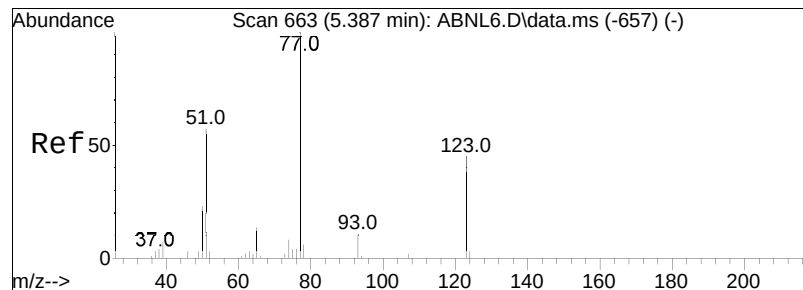




#18
 3-Methylphenol/4-Methylphenol
 Concen: 5.44 ug/ml
 RT: 5.257 min Scan# 641
 Delta R.T. -0.001 min
 Lab File: ABNICV.D
 Acq: 13 Mar 2025 08:37 pm

Tgt Ion:	108	Resp:	32340
Ion Ratio	Lower	Upper	
108	100		
107	116.6	88.8	133.2
90	11.5	9.0	13.6





#20

Nitrobenzene

Concen: 5.46 ug/ml

RT: 5.387 min Scan# 663

Delta R.T. -0.000 min

Lab File: ABNICV.D

Acq: 13 Mar 2025 08:37 pm

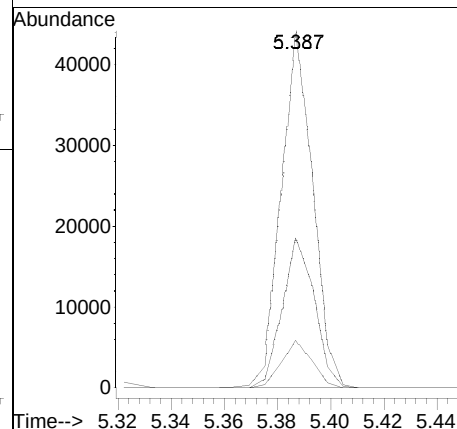
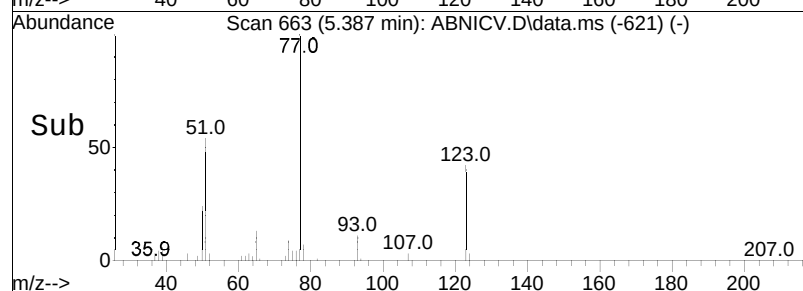
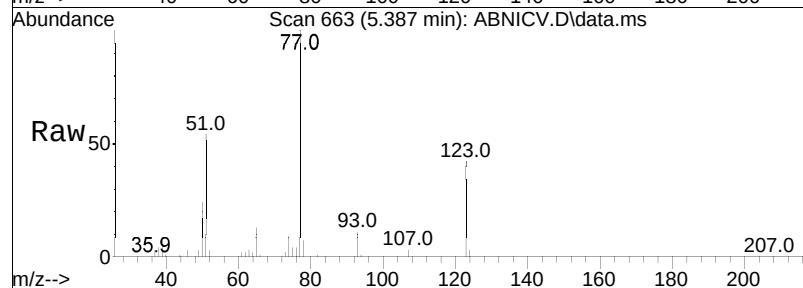
Tgt Ion: 77 Resp: 36161

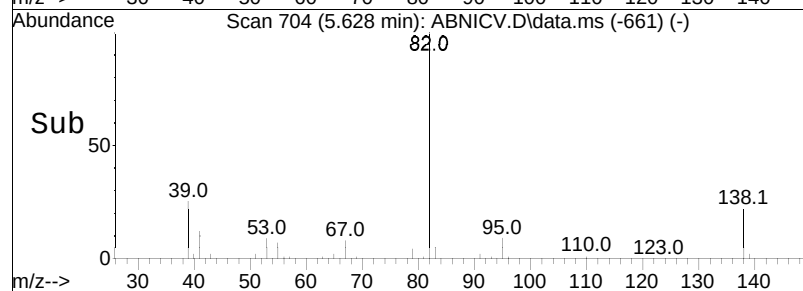
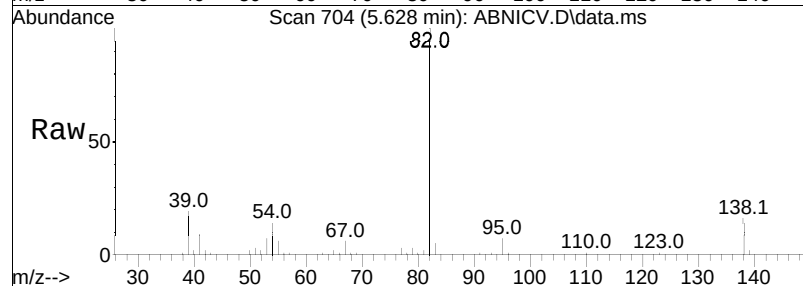
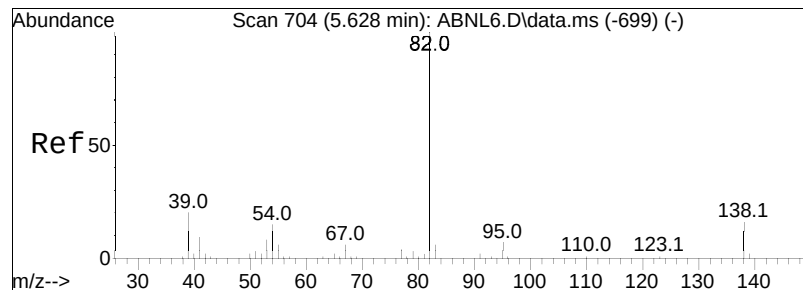
Ion Ratio Lower Upper

77 100

123 42.8 37.3 55.9

65 13.0 10.9 16.3





#21

Isophorone

Concen: 5.50 ug/ml

RT: 5.628 min Scan# 704

Delta R.T. 0.000 min

Lab File: ABNICV.D

Acq: 13 Mar 2025 08:37 pm

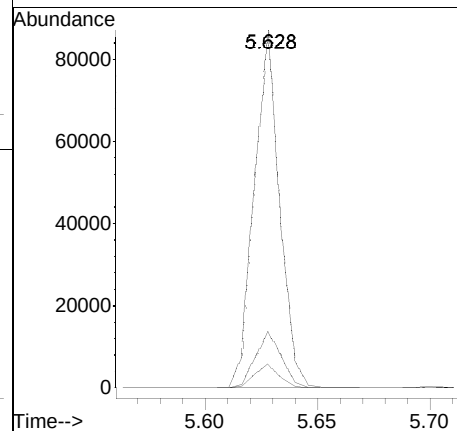
Tgt Ion: 82 Resp: 67264

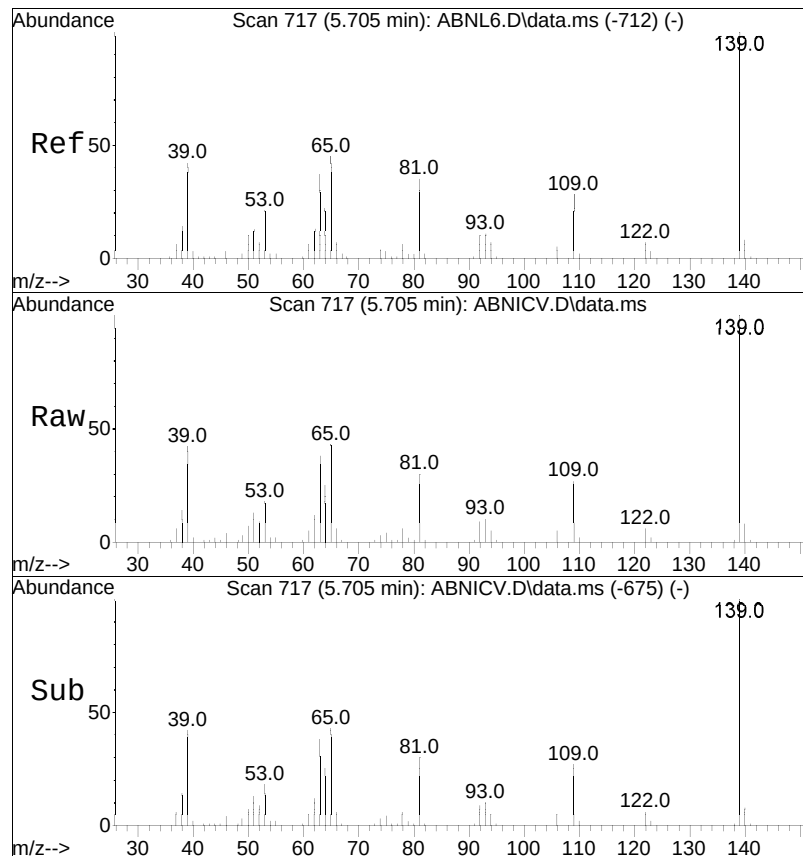
Ion Ratio Lower Upper

82 100

138 16.2 13.0 19.4

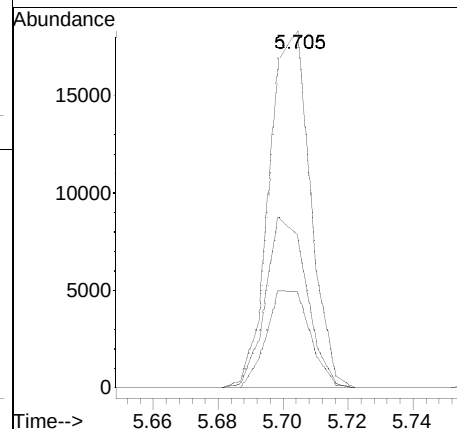
95 6.5 5.5 8.3

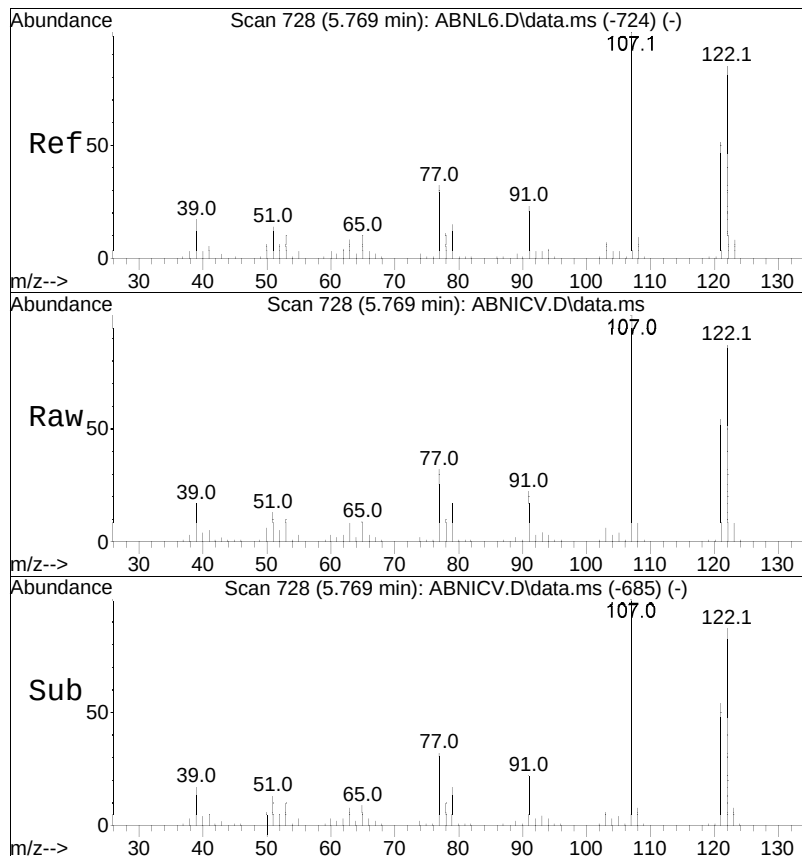




#22
 2-Nitrophenol
 Concen: 5.32 ug/ml
 RT: 5.705 min Scan# 717
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 13 Mar 2025 08:37 pm

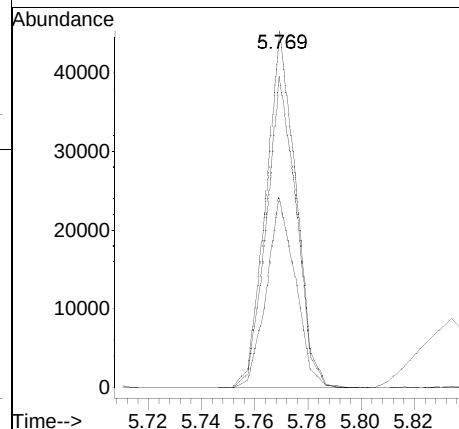
Tgt Ion:	139	Resp:	16053
Ion Ratio	Lower	Upper	
139	100		
109	29.0	23.1	34.7
65	47.8	41.4	62.2

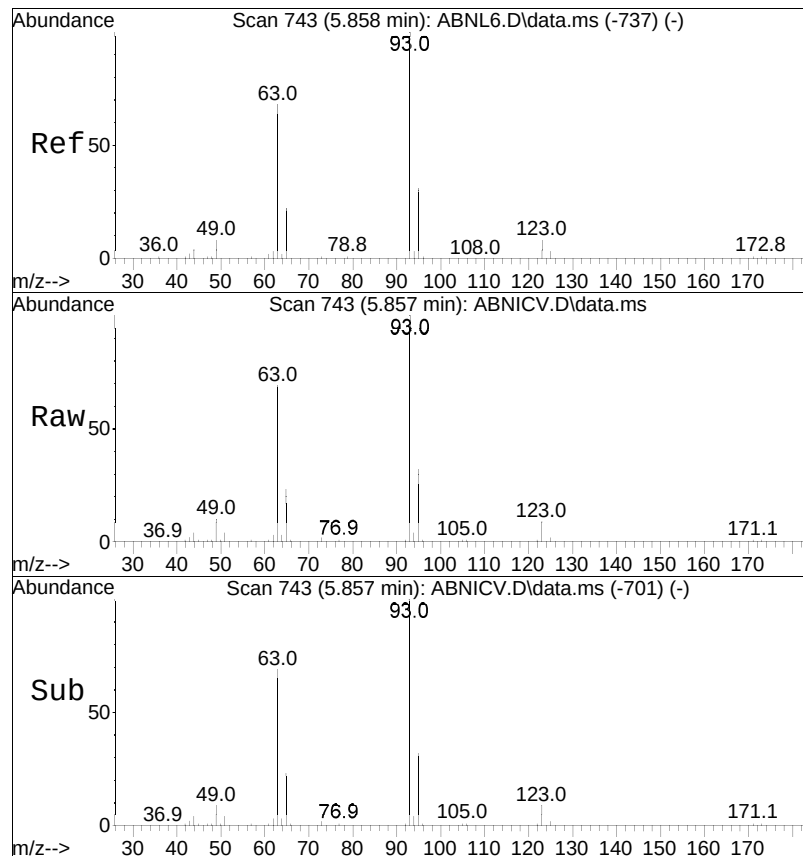




#23
 2,4-Dimethylphenol
 Concen: 5.60 ug/ml
 RT: 5.769 min Scan# 728
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 13 Mar 2025 08:37 pm

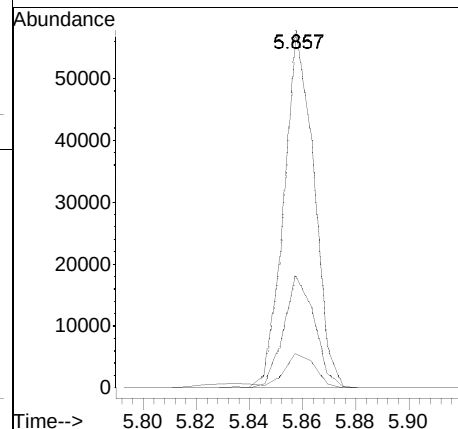
Tgt Ion:	107	Resp:	35250
Ion Ratio	Lower	Upper	
107	100		
121	52.1	41.3	61.9
122	87.1	69.3	103.9

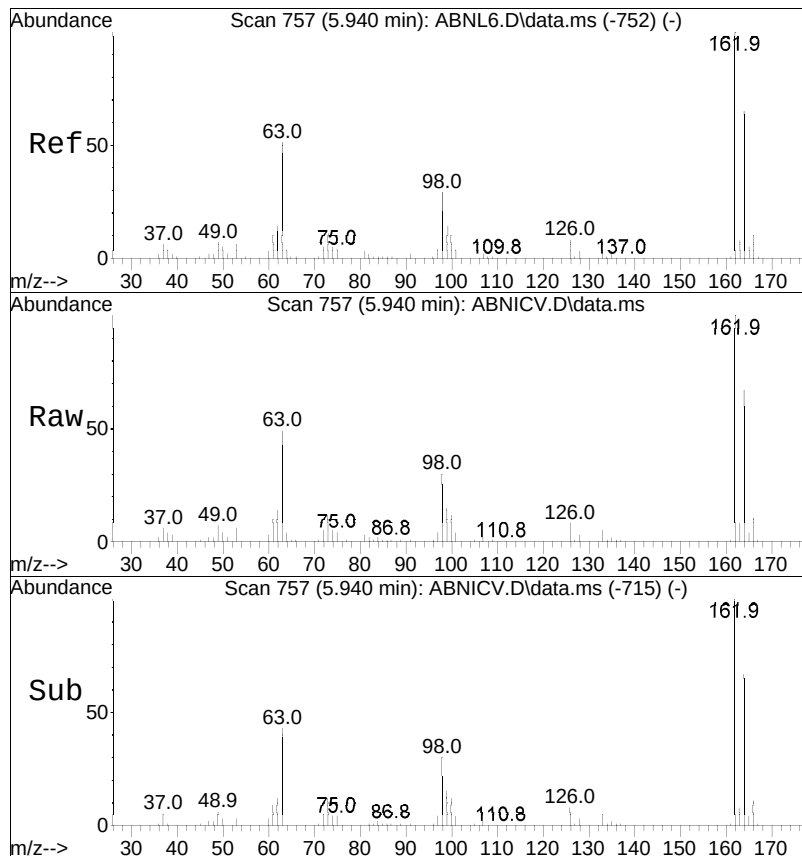




#24
 Bis(2-chloroethoxy)methane
 Concen: 5.45 ug/ml
 RT: 5.857 min Scan# 743
 Delta R.T. -0.001 min
 Lab File: ABNICV.D
 Acq: 13 Mar 2025 08:37 pm

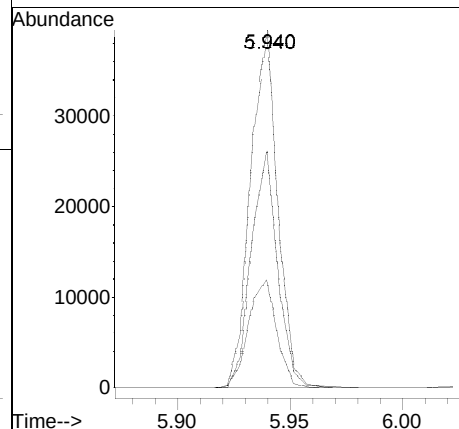
Tgt Ion:	93	Resp:	44820
Ion Ratio	Lower	Upper	
93	100		
95	32.5	25.8	38.8
123	12.0	9.6	14.4

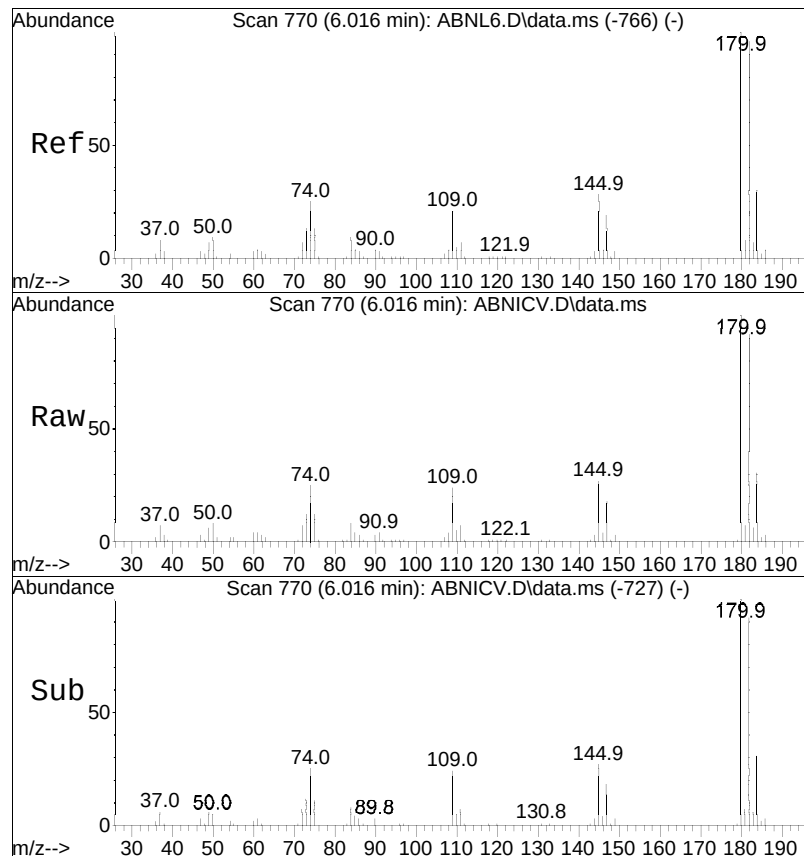




#25
 2,4-Dichlorophenol
 Concen: 5.69 ug/ml
 RT: 5.940 min Scan# 757
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 13 Mar 2025 08:37 pm

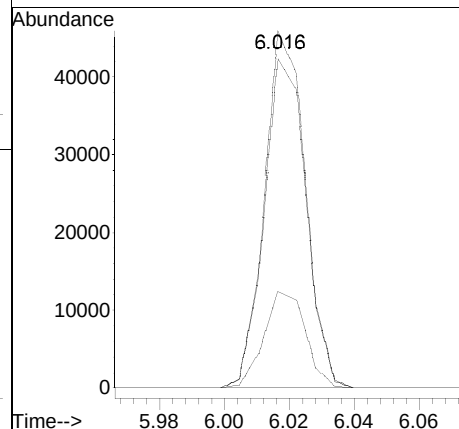
Tgt Ion:	162	Resp:	32874
Ion Ratio	Lower	Upper	
162	100		
164	64.2	51.1	76.7
98	31.7	32.2	48.2#

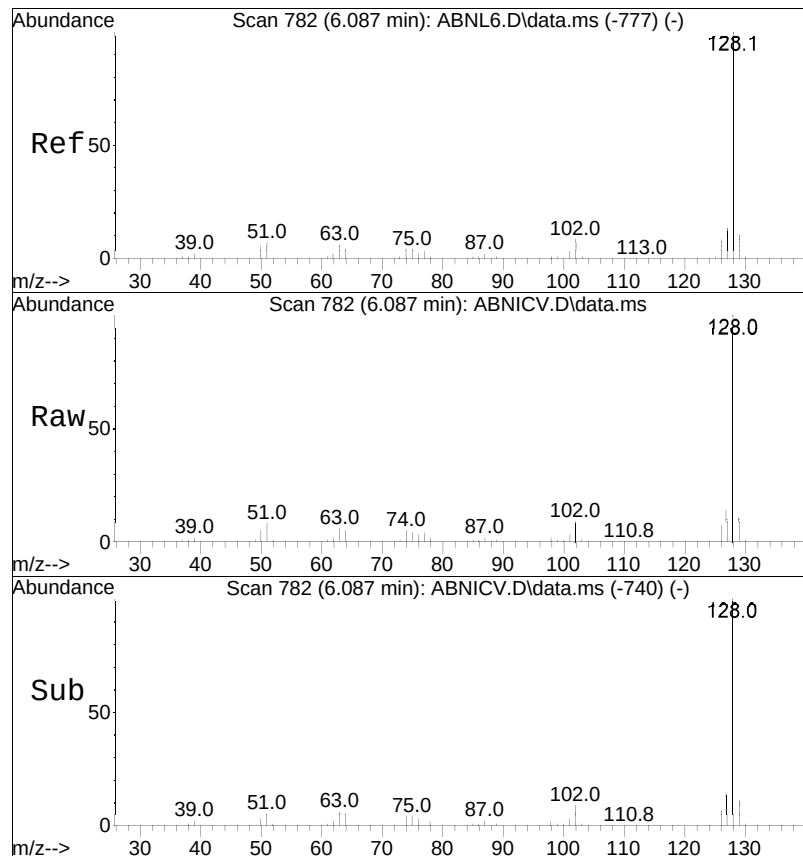




#26
 1,2,4-Trichlorobenzene
 Concen: 5.47 ug/ml
 RT: 6.016 min Scan# 770
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 13 Mar 2025 08:37 pm

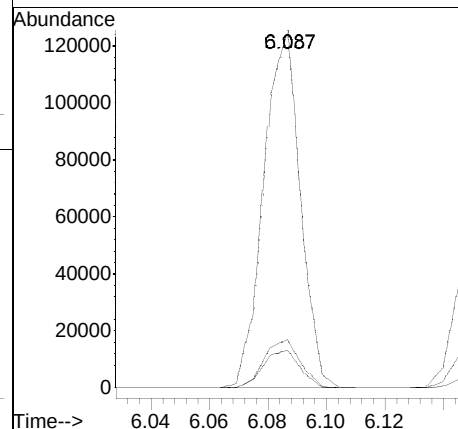
Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.0	75.8	113.8
145	27.5	26.3	39.5

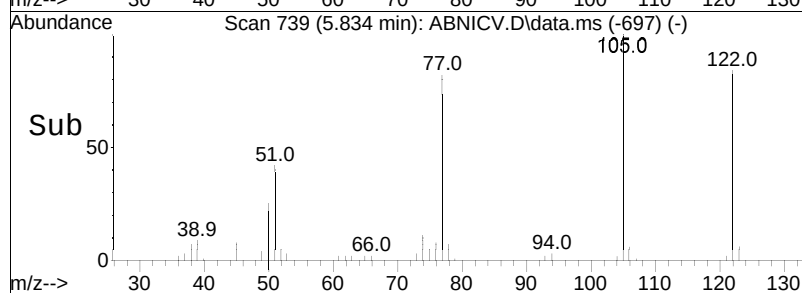
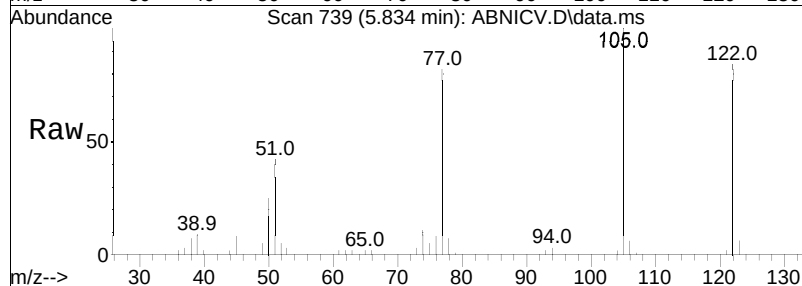
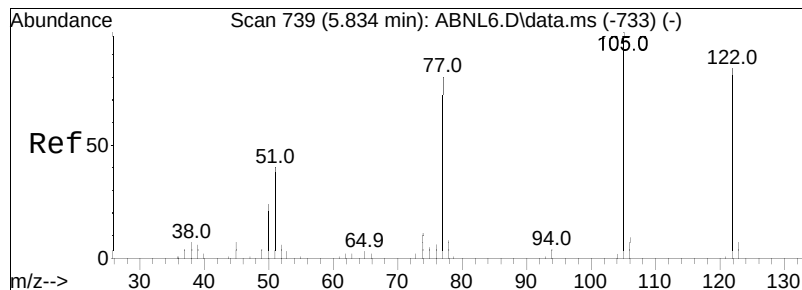




#36
 Naphthalene
 Concen: 5.37 ug/ml
 RT: 6.087 min Scan# 782
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 13 Mar 2025 08:37 pm

Tgt Ion:	128	Resp:	108008
Ion Ratio	Lower	Upper	
128	100		
129	10.8	8.9	13.3
127	13.6	10.6	15.8





#37

Benzoic Acid

Concen: 3.65 ug/ml

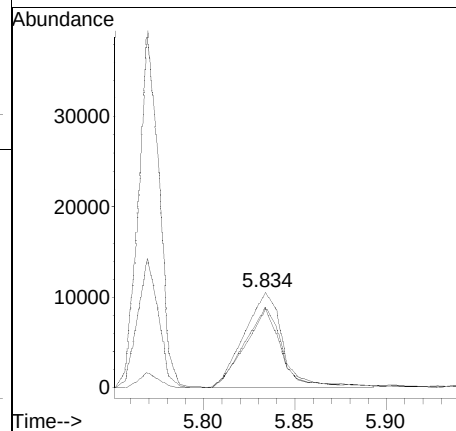
RT: 5.834 min Scan# 739

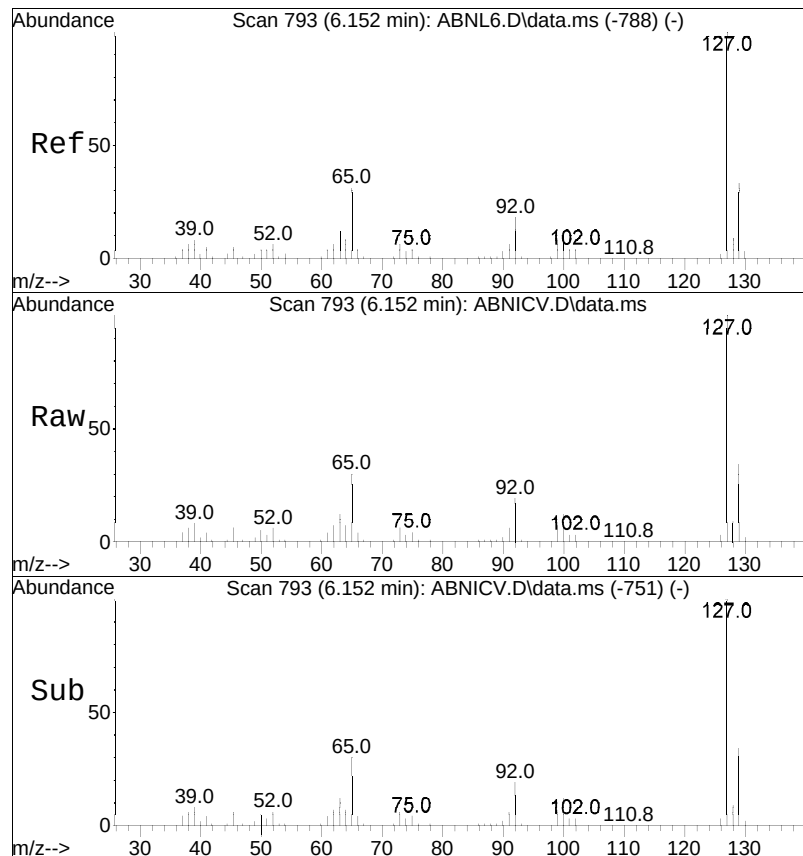
Delta R.T. -0.000 min

Lab File: ABNICV.D

Acq: 13 Mar 2025 08:37 pm

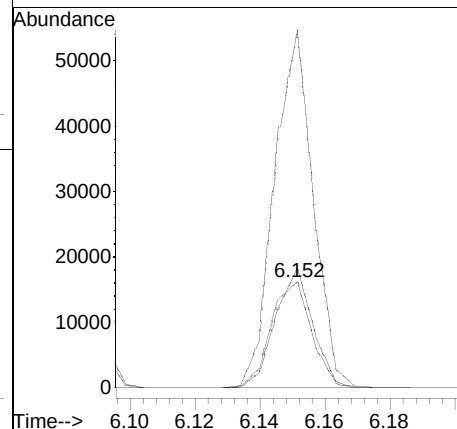
Tgt Ion:	105	Resp:	15773
Ion Ratio	Lower	Upper	
105	100		
122	83.1	62.6	93.8
77	80.5	59.1	88.7

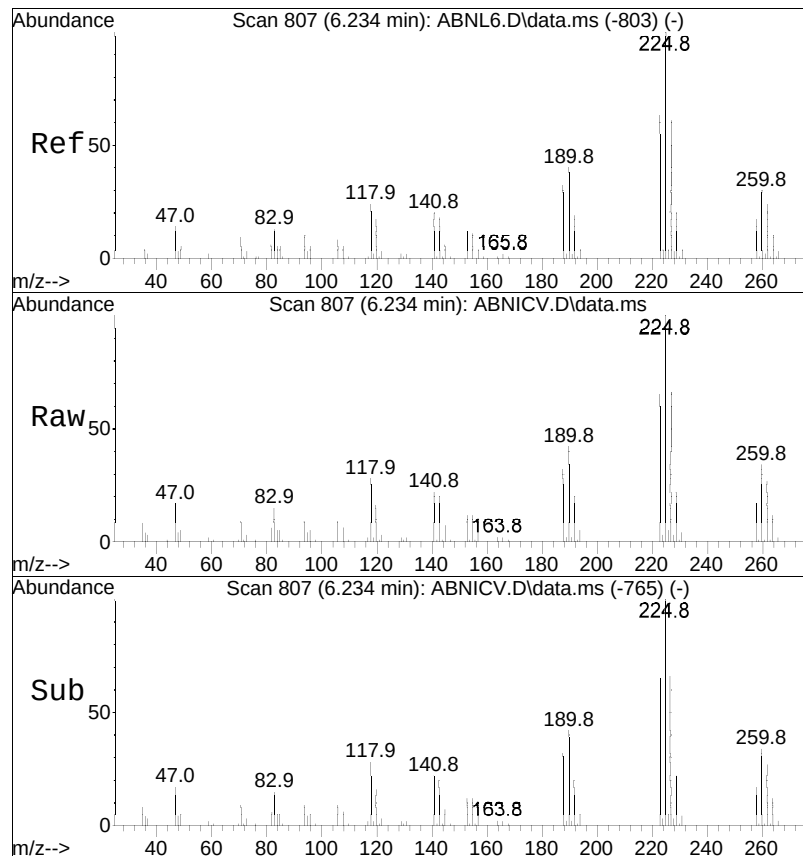




#38
 4-Chloroaniline
 Concen: 5.55 ug/ml
 RT: 6.152 min Scan# 793
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 13 Mar 2025 08:37 pm

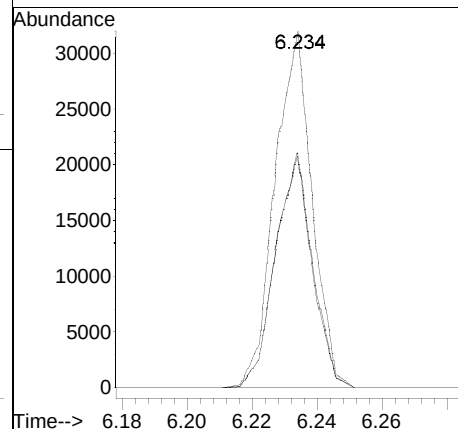
Tgt Ion:	65	Resp:	13932
Ion Ratio	Lower	Upper	
65	100		
127	322.4	266.2	399.4
129	104.8	85.0	127.4

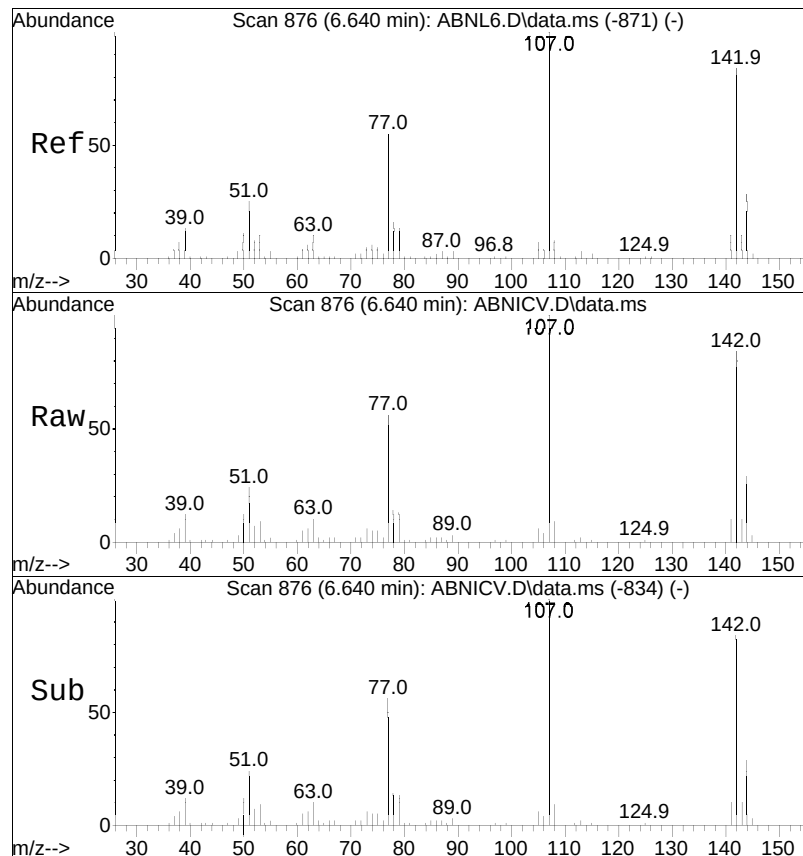




#39
 Hexachlorobutadiene
 Concen: 4.93 ug/ml
 RT: 6.234 min Scan# 807
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 13 Mar 2025 08:37 pm

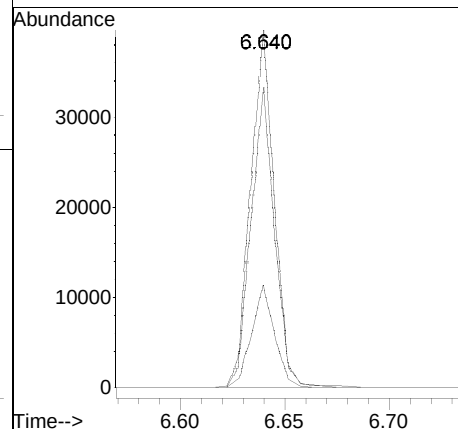
Tgt Ion	Ratio	Resp	Lower	Upper
225	100	25260		
223	64.7		50.5	75.7
227	65.8		50.4	75.6

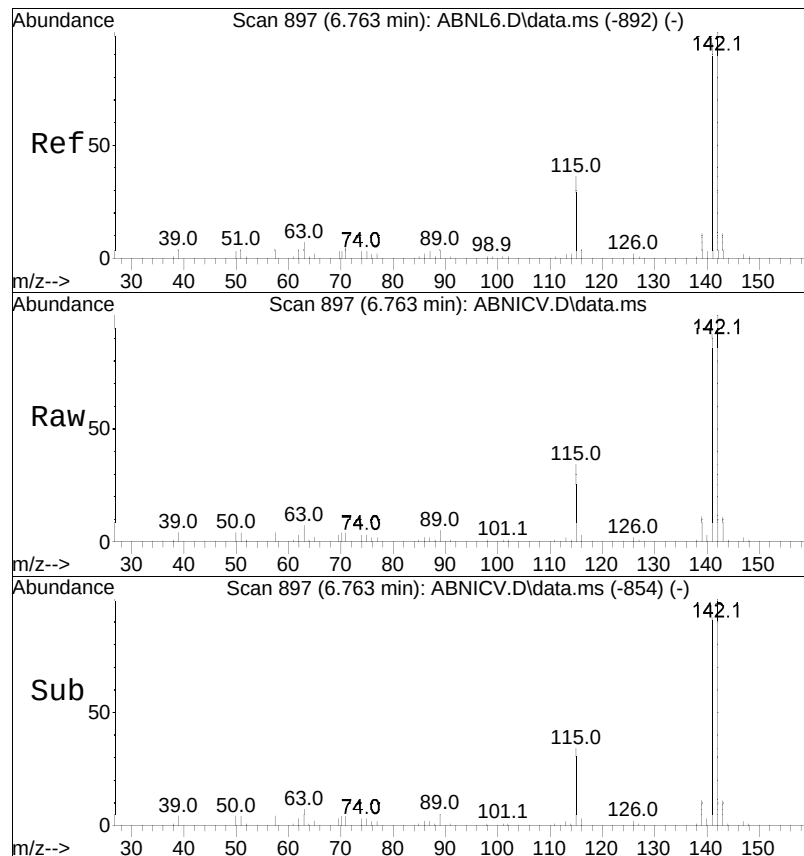




#40
 p-Chloro-m-cresol
 Concen: 5.48 ug/ml
 RT: 6.640 min Scan# 876
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 13 Mar 2025 08:37 pm

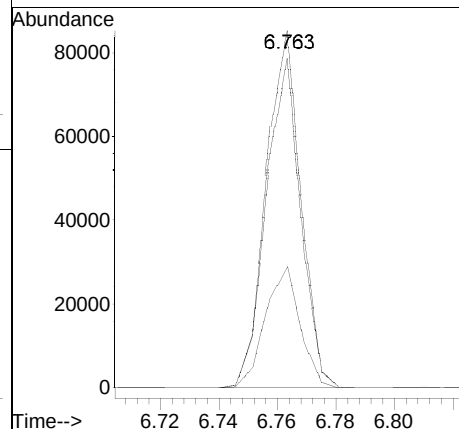
Tgt Ion:	107	Resp:	30863
Ion Ratio	Lower	Upper	
107	100		
144	27.9	20.3	30.5
142	83.1	63.8	95.6

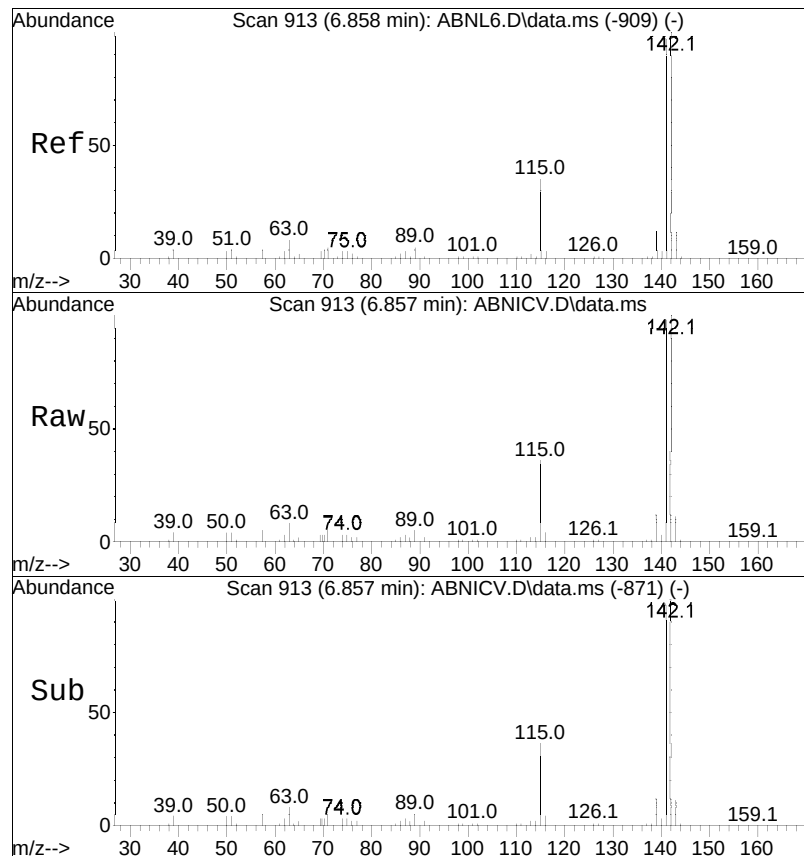




#41
 2-Methylnaphthalene
 Concen: 5.61 ug/ml
 RT: 6.763 min Scan# 897
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 13 Mar 2025 08:37 pm

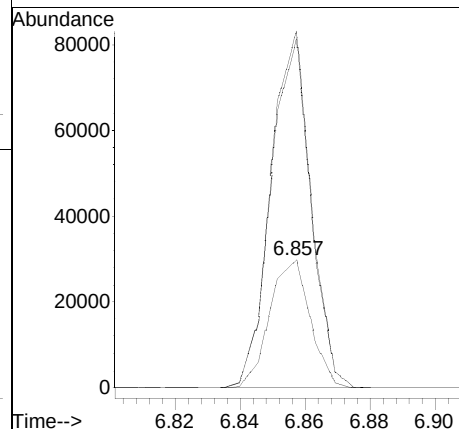
Tgt Ion:	142	Resp:	70201
Ion Ratio	Lower	Upper	
142	100		
141	91.7	72.2	108.4
115	34.0	27.8	41.6

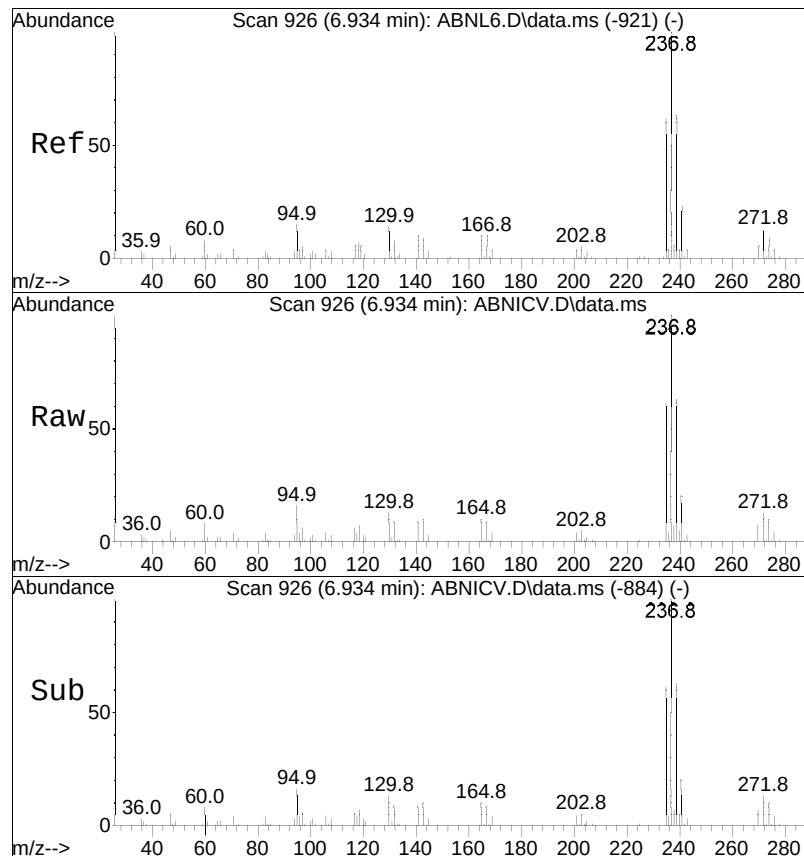




#42
 1-Methylnaphthalene
 Concen: 5.43 ug/ml
 RT: 6.857 min Scan# 913
 Delta R.T. -0.001 min
 Lab File: ABNICV.D
 Acq: 13 Mar 2025 08:37 pm

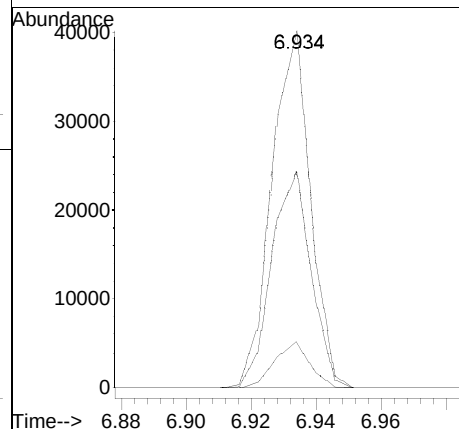
Tgt Ion:	115	Resp:	25954
Ion Ratio	Lower	Upper	
115	100		
141	266.2	205.4	308.2
142	274.3	220.2	330.4

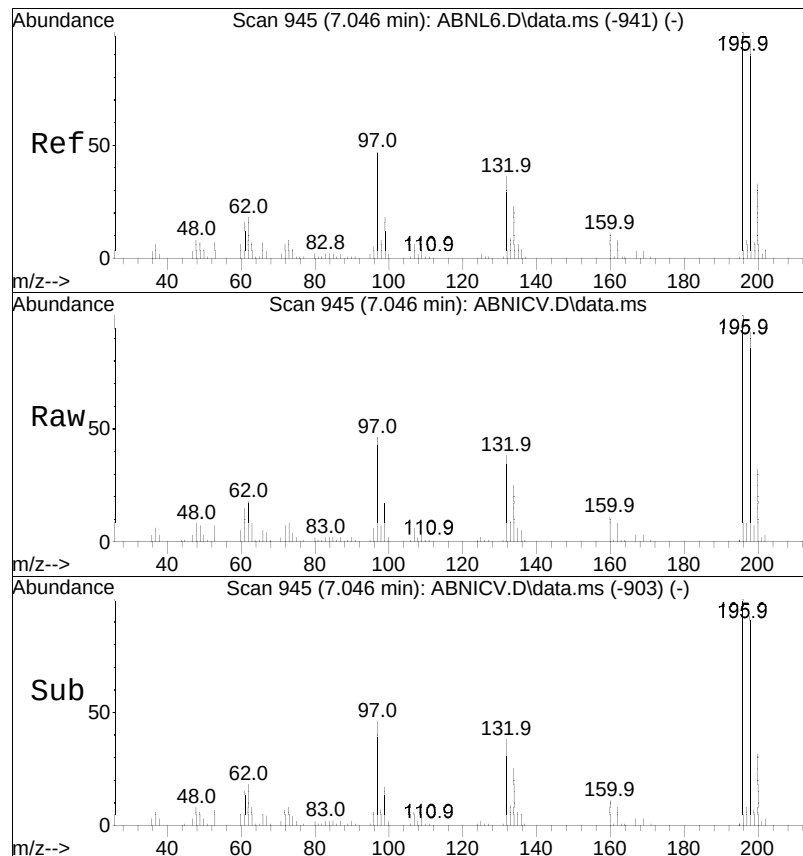




#43
 Hexachlorocyclopentadiene
 Concen: 5.36 ug/ml
 RT: 6.934 min Scan# 926
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 13 Mar 2025 08:37 pm

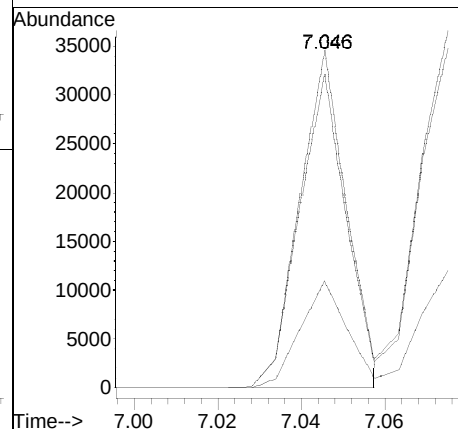
Tgt Ion:	237	Resp:	33131
Ion Ratio	Lower	Upper	
237	100		
235	62.0	50.9	76.3
272	11.9	10.1	15.1

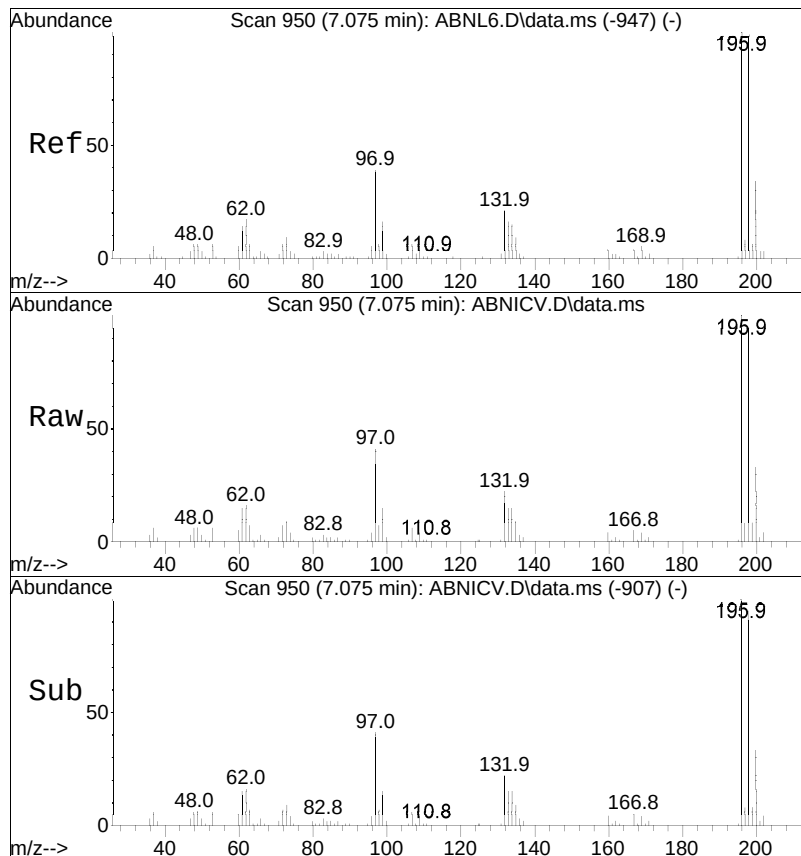




#44
 2,4,6-Trichlorophenol
 Concen: 5.11 ug/ml
 RT: 7.046 min Scan# 945
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 13 Mar 2025 08:37 pm

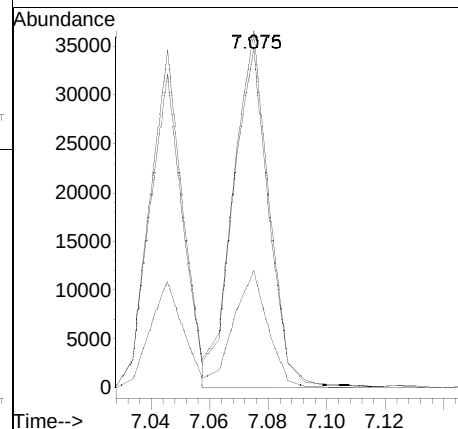
Tgt Ion:	196	Resp:	27069
Ion Ratio	Lower	Upper	
196	100		
198	93.7	76.4	114.6
200	31.9	24.4	36.6

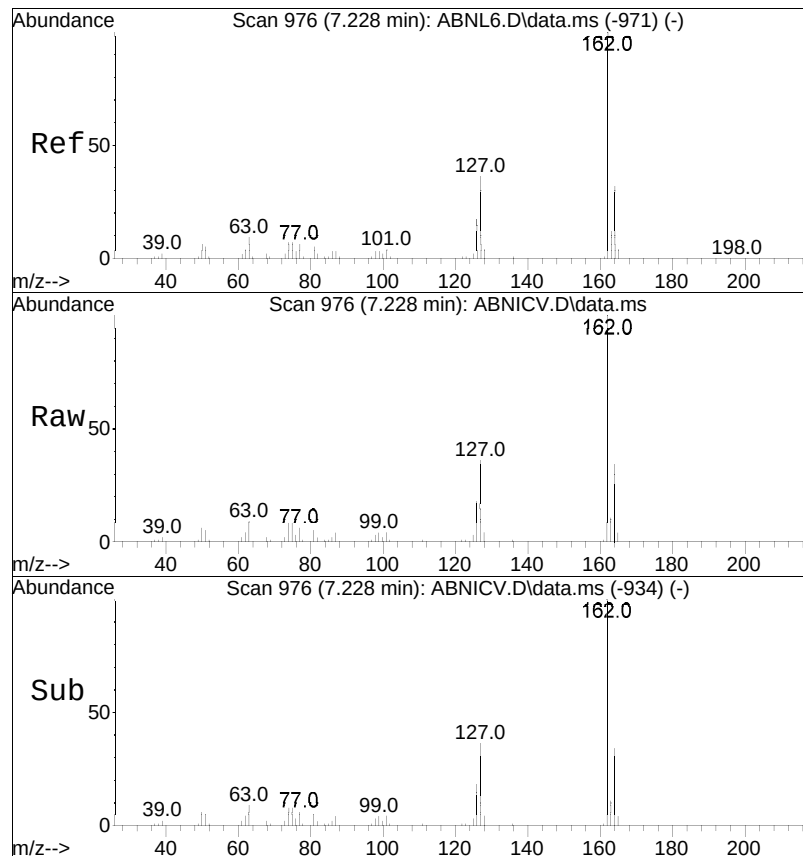




#45
 2,4,5-Trichlorophenol
 Concen: 5.72 ug/ml
 RT: 7.075 min Scan# 950
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 13 Mar 2025 08:37 pm

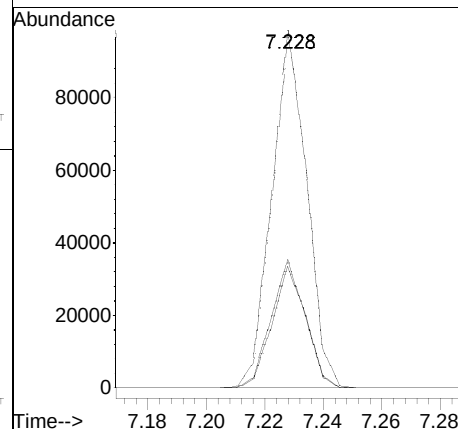
Tgt Ion	Ratio	Lower	Upper
196	100		
200	32.0	24.2	36.4
198	96.4	76.2	114.2

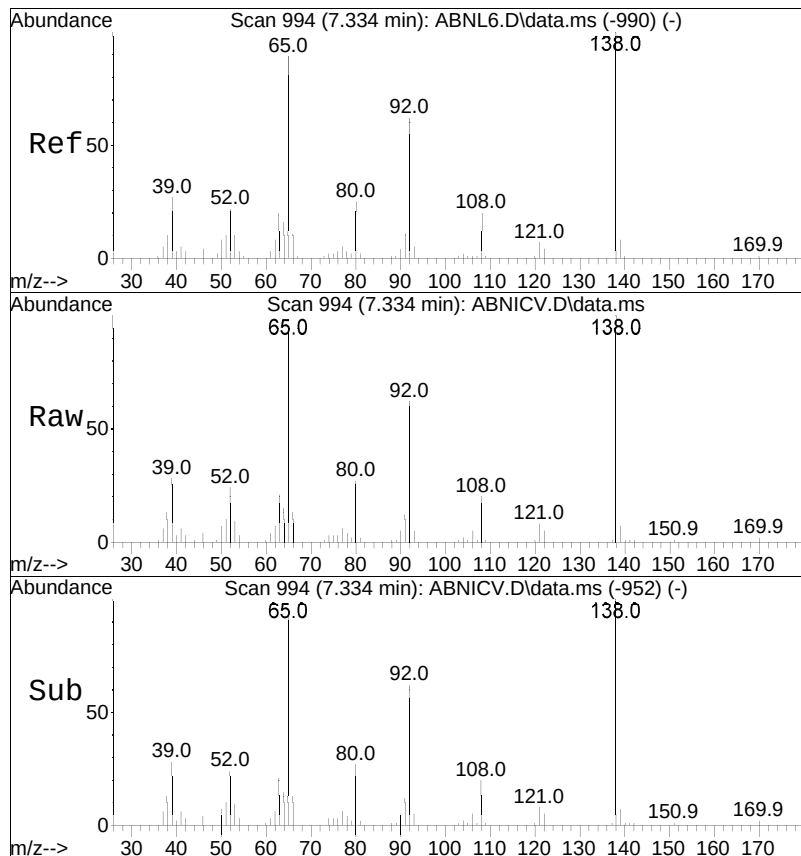




#47
 2-Chloronaphthalene
 Concen: 5.48 ug/ml
 RT: 7.228 min Scan# 976
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 13 Mar 2025 08:37 pm

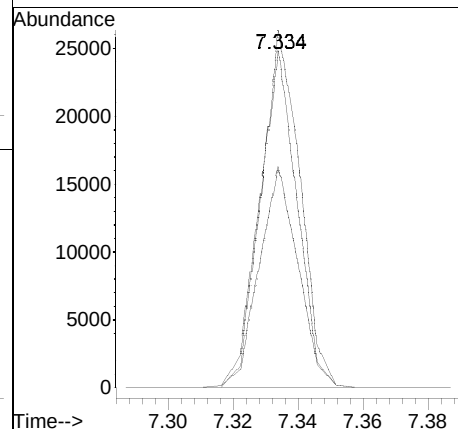
Tgt	Ion:162	Resp:	80417
Ion	Ratio	Lower	Upper
162	100		
127	35.2	33.8	50.6
164	33.5	25.8	38.6

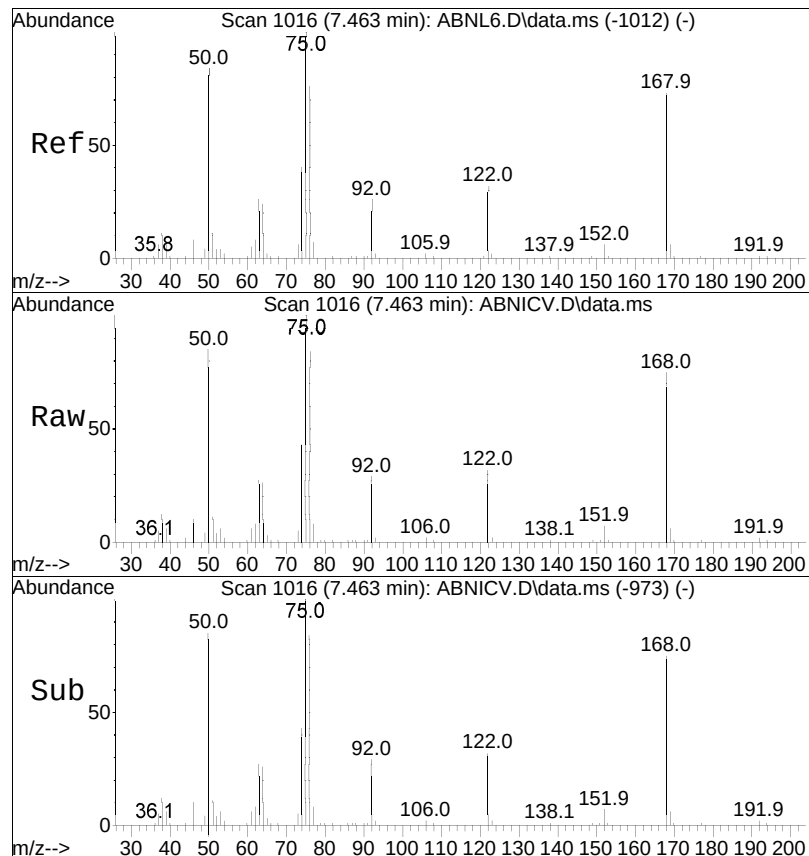




#48
 2-Nitroaniline
 Concen: 5.49 ug/ml
 RT: 7.334 min Scan# 994
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 13 Mar 2025 08:37 pm

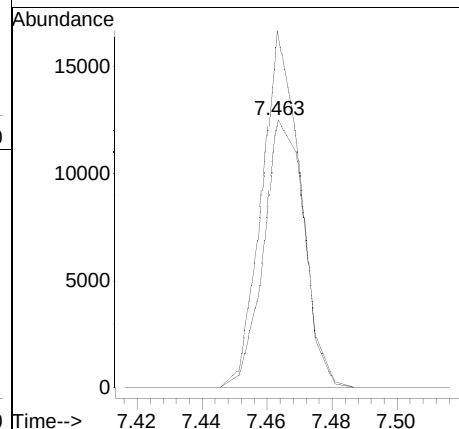
Tgt Ion	Ratio	Lower	Upper
138	100		
92	61.7	52.1	78.1
65	91.6	75.9	113.9

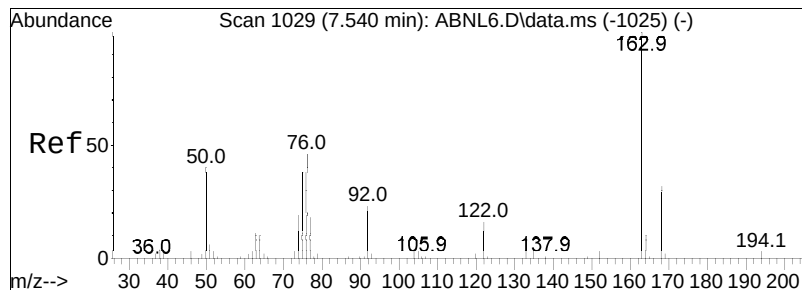




#49
 1,4-Dinitrobenzene
 Concen: 5.04 ug/ml
 RT: 7.463 min Scan# 1016
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 13 Mar 2025 08:37 pm

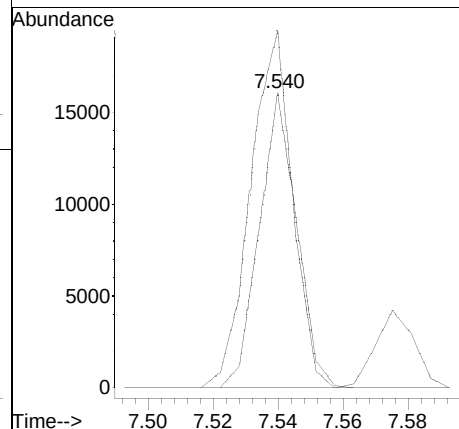
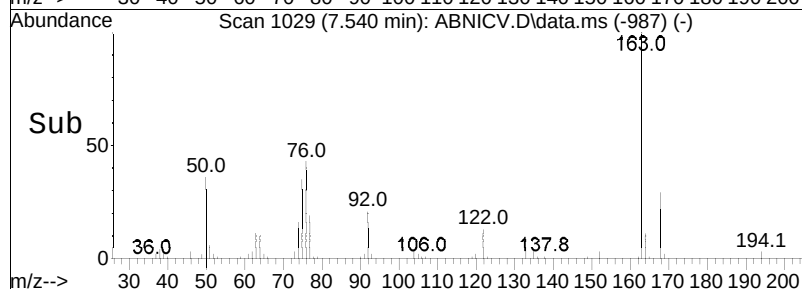
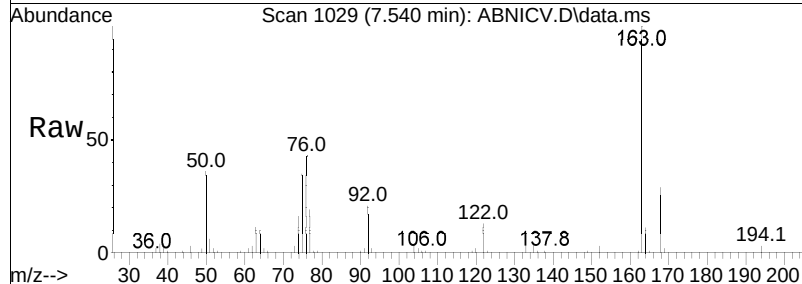
Tgt Ion	Ratio	Lower	Upper
168	100		
75	124.5	111.0	166.4

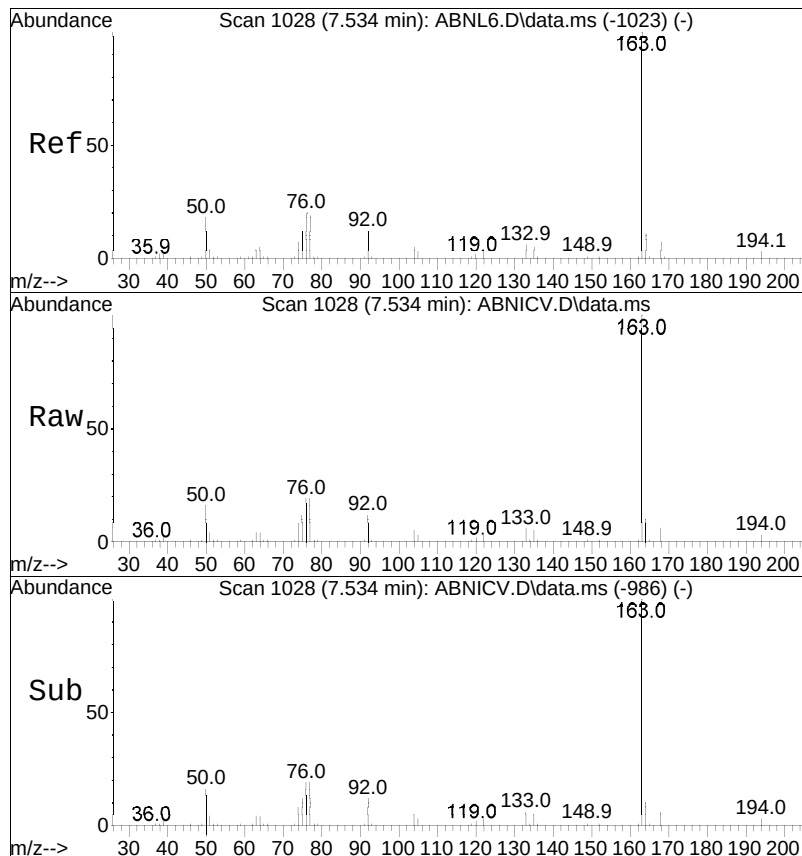




#50
 1,3-Dinitrobenzene
 Concen: 5.26 ug/ml
 RT: 7.540 min Scan# 1029
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 13 Mar 2025 08:37 pm

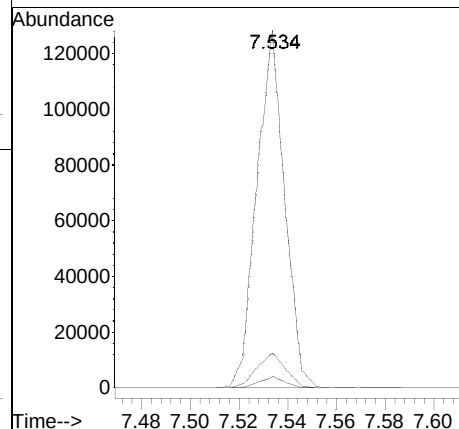
Tgt Ion	Ratio	Lower	Upper
168	100		
75	136.5	116.4	174.6

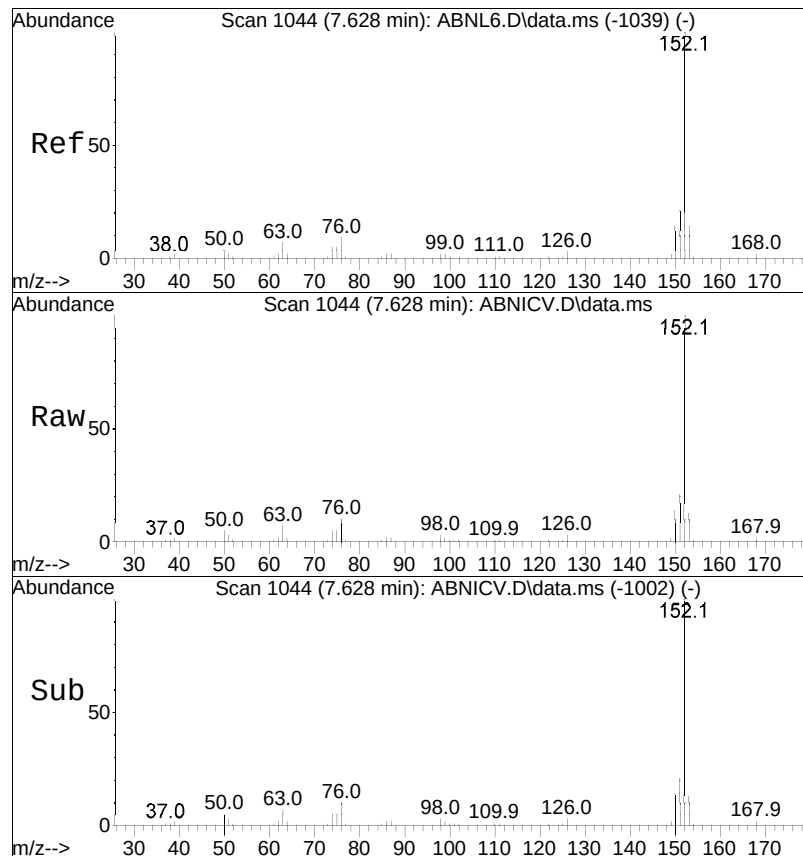




#51
 Dimethyl phthalate
 Concen: 5.32 ug/ml
 RT: 7.534 min Scan# 1028
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 13 Mar 2025 08:37 pm

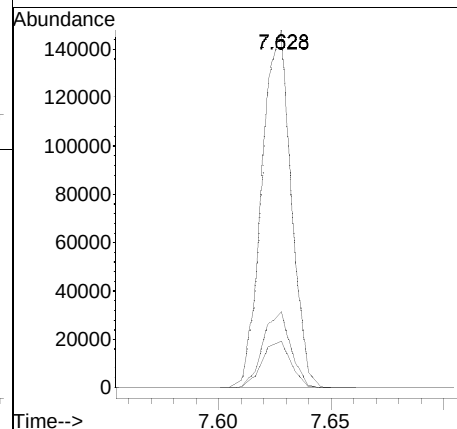
Tgt Ion	163	Resp	100058
Ion Ratio	100	Lower	Upper
163	100		
194	2.9	2.3	3.5
164	10.2	8.2	12.2

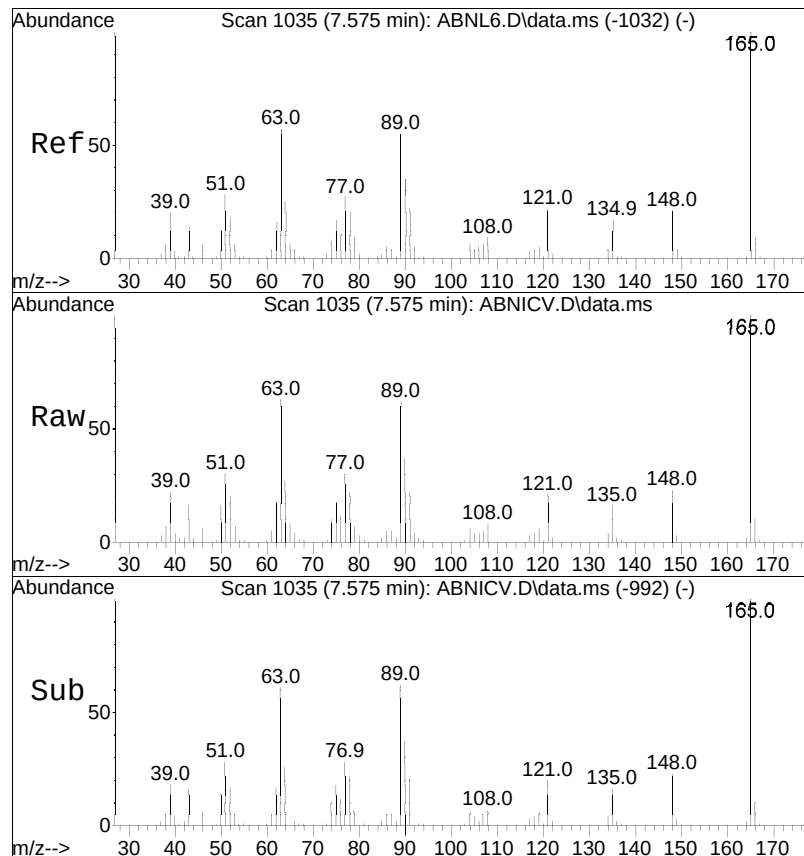




#52
 Acenaphthylene
 Concen: 5.56 ug/ml
 RT: 7.628 min Scan# 1044
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 13 Mar 2025 08:37 pm

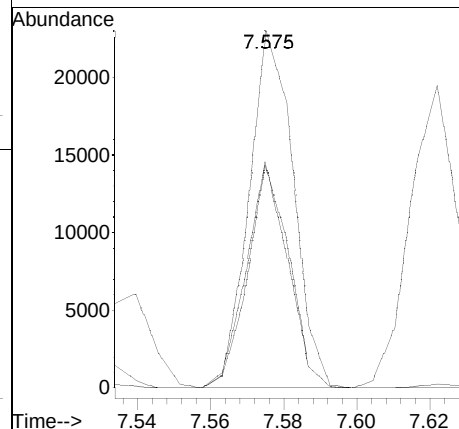
Tgt Ion:	152	Resp:	132376
Ion Ratio	Lower	Upper	
152	100		
151	20.3	15.9	23.9
153	13.0	10.5	15.7

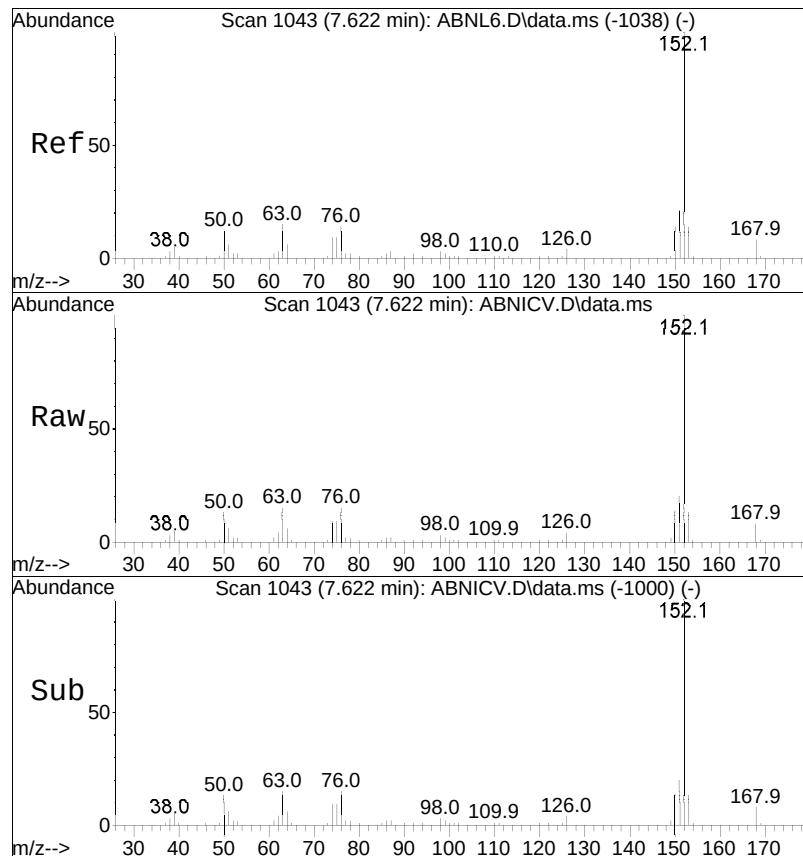




#53
 2,6-Dinitrotoluene
 Concen: 5.63 ug/ml
 RT: 7.575 min Scan# 1035
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 13 Mar 2025 08:37 pm

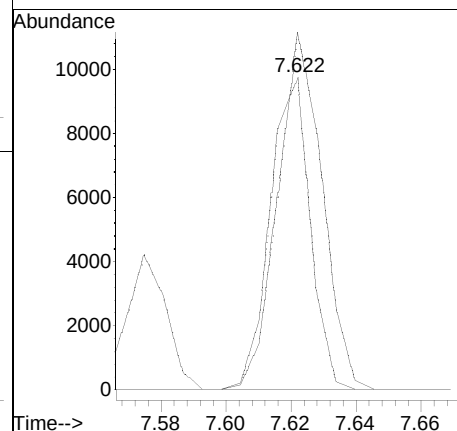
Tgt Ion	Ratio	Lower	Upper
165	100		
89	58.2	48.8	73.2
63	58.9	50.5	75.7

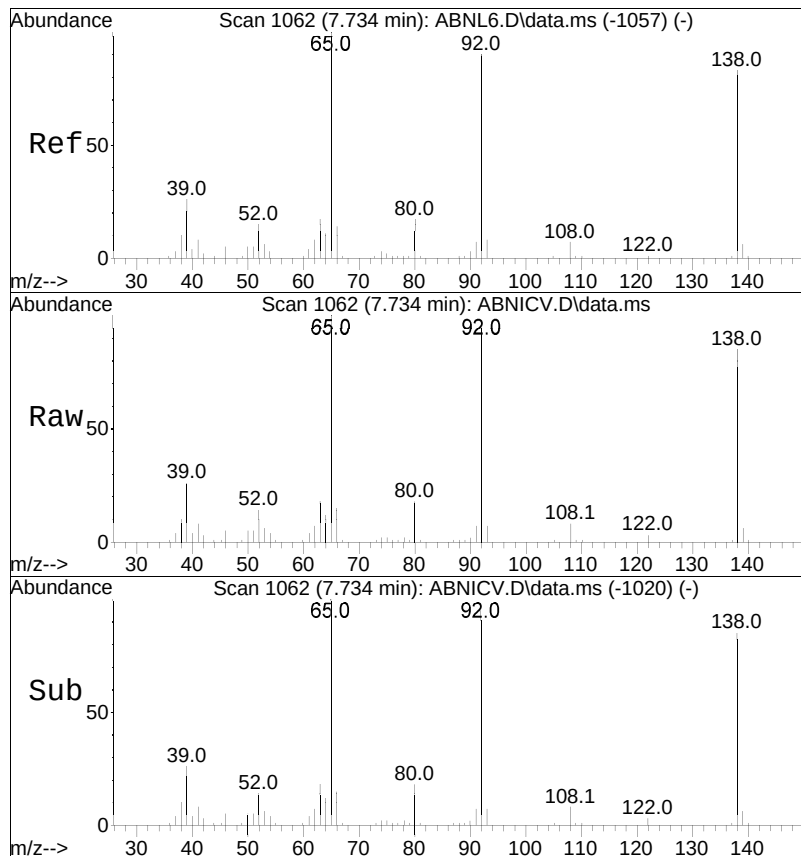




#54
 1,2-Dinitrobenzene
 Concen: 5.20 ug/ml
 RT: 7.622 min Scan# 1043
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 13 Mar 2025 08:37 pm

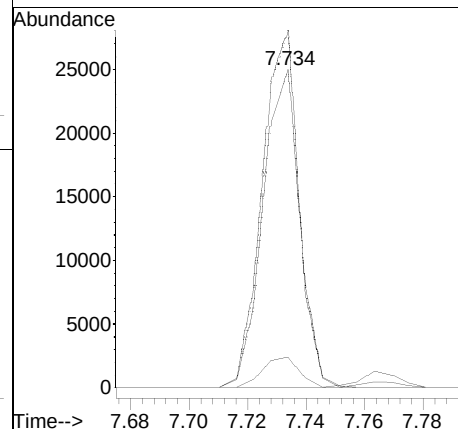
Tgt Ion	Ratio	Lower	Upper
168	100		
75	126.8	32.2	48.2#

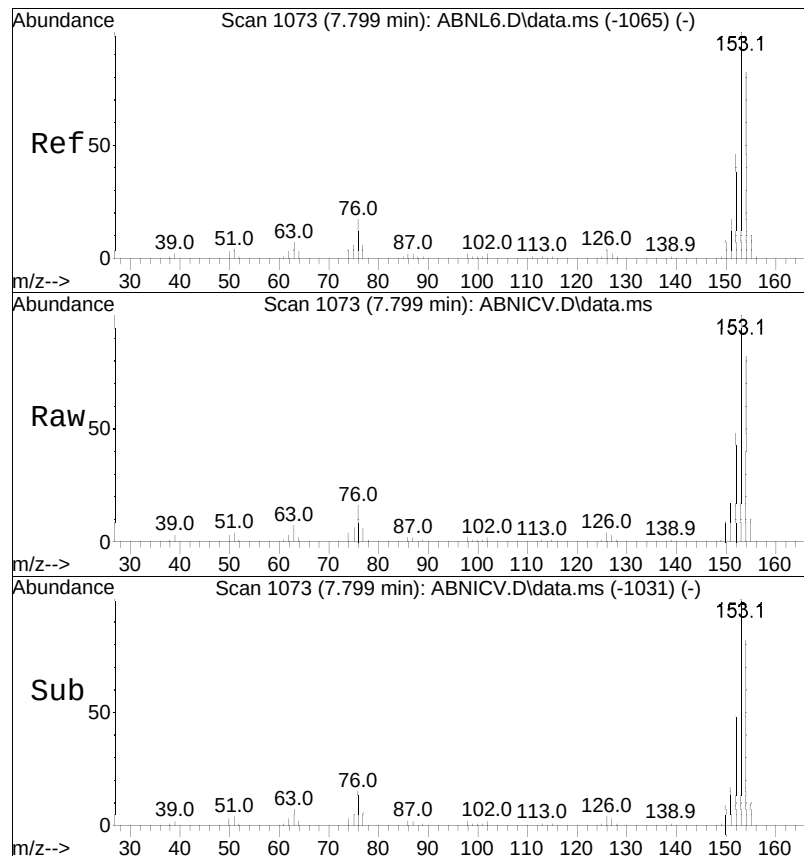




#64
 3-Nitroaniline
 Concen: 5.48 ug/ml
 RT: 7.734 min Scan# 1062
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 13 Mar 2025 08:37 pm

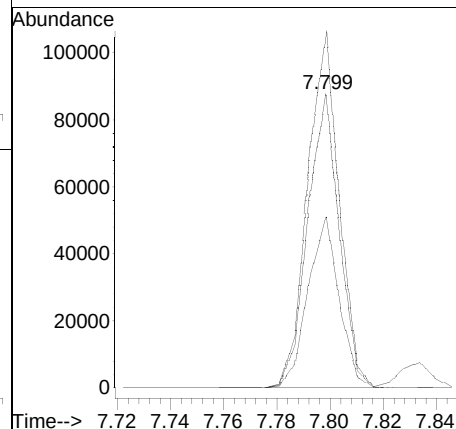
Tgt Ion:	138	Resp:	21673
Ion Ratio	Lower	Upper	
138	100		
92	111.1	92.8	139.2
108	9.5	7.9	11.9

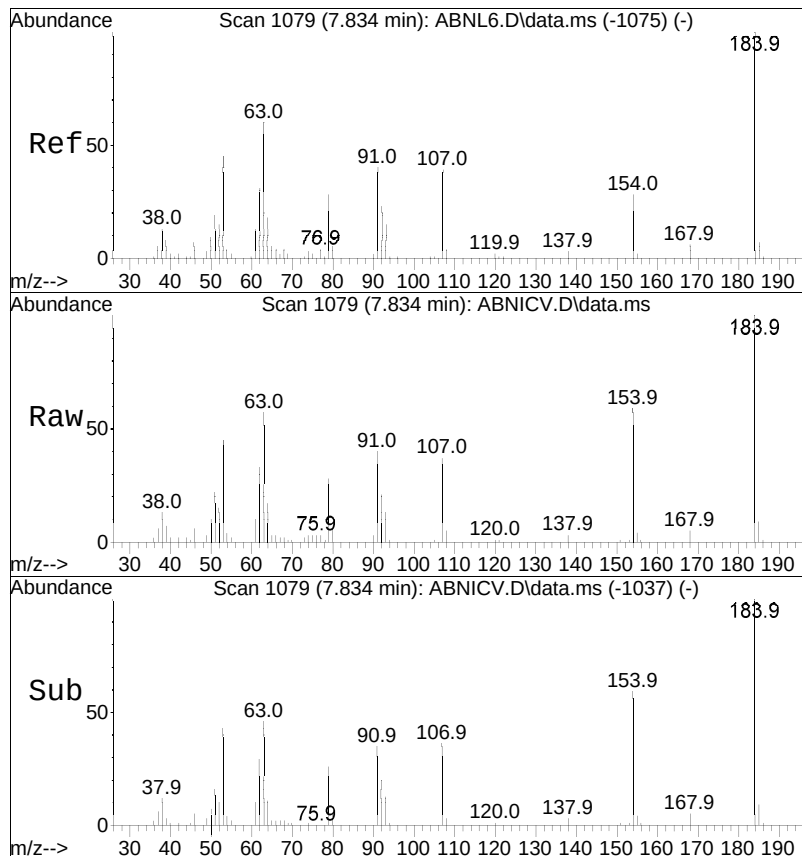




#65
 Acenaphthene
 Concen: 5.27 ug/ml
 RT: 7.799 min Scan# 1073
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 13 Mar 2025 08:37 pm

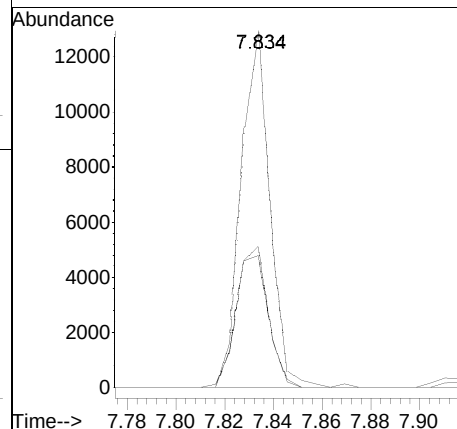
Tgt Ion:	154	Resp:	72325
Ion Ratio	Lower	Upper	
154	100		
153	121.0	93.0	139.4
152	57.7	43.3	64.9

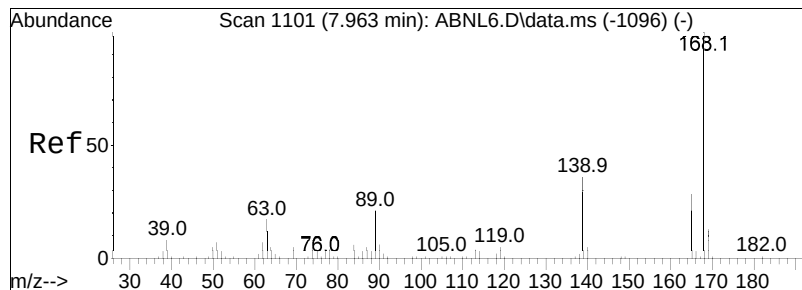




#66
 2,4-Dinitrophenol
 Concen: 4.27 ug/ml
 RT: 7.834 min Scan# 1079
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 13 Mar 2025 08:37 pm

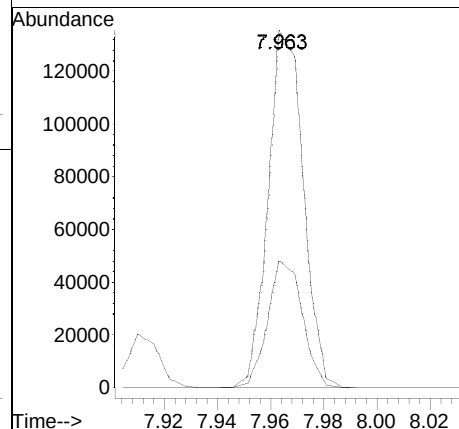
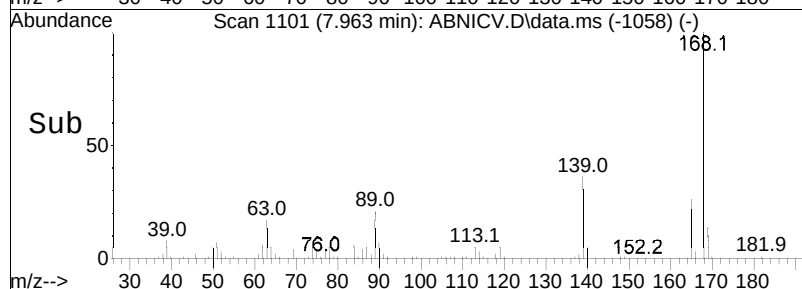
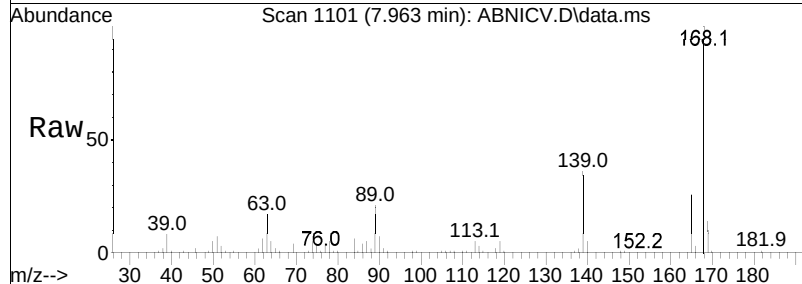
Tgt Ion	Ratio	Lower	Upper
184	100		
107	42.6	41.8	62.6
91	43.8	44.2	66.2#

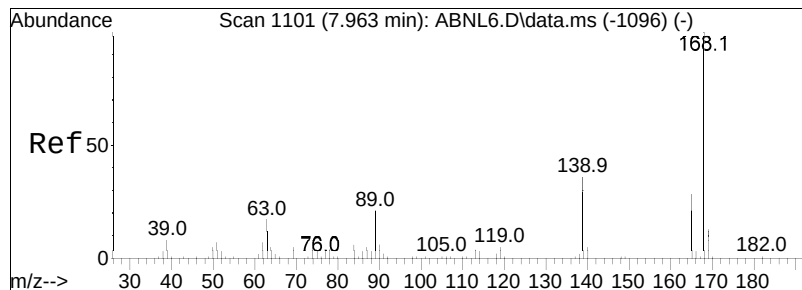




#67
Dibenzofuran
Concen: 5.22 ug/ml
RT: 7.963 min Scan# 1101
Delta R.T. 0.000 min
Lab File: ABNICV.D
Acq: 13 Mar 2025 08:37 pm

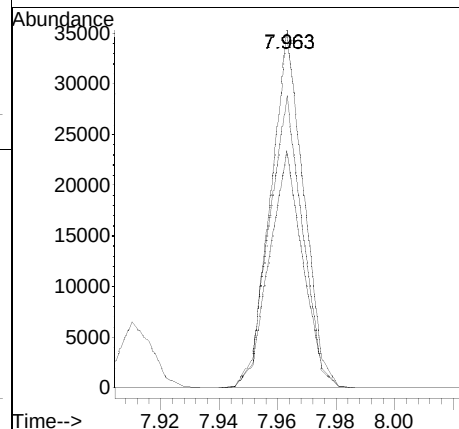
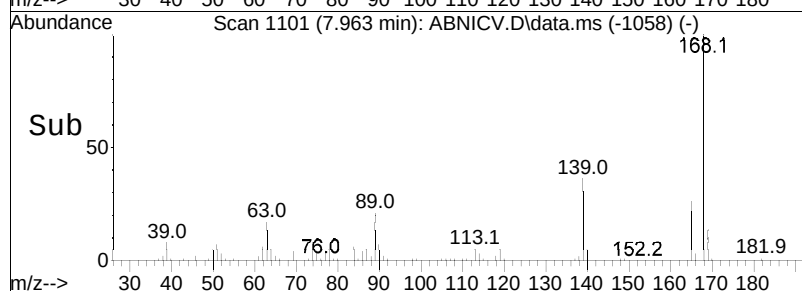
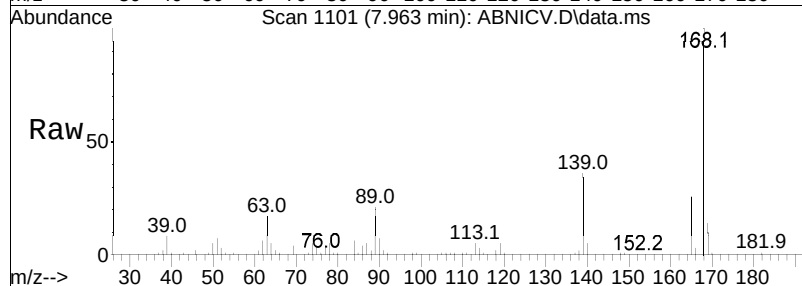
Tgt Ion	Ratio	Lower	Upper
168	100		
139	35.5	32.3	48.5

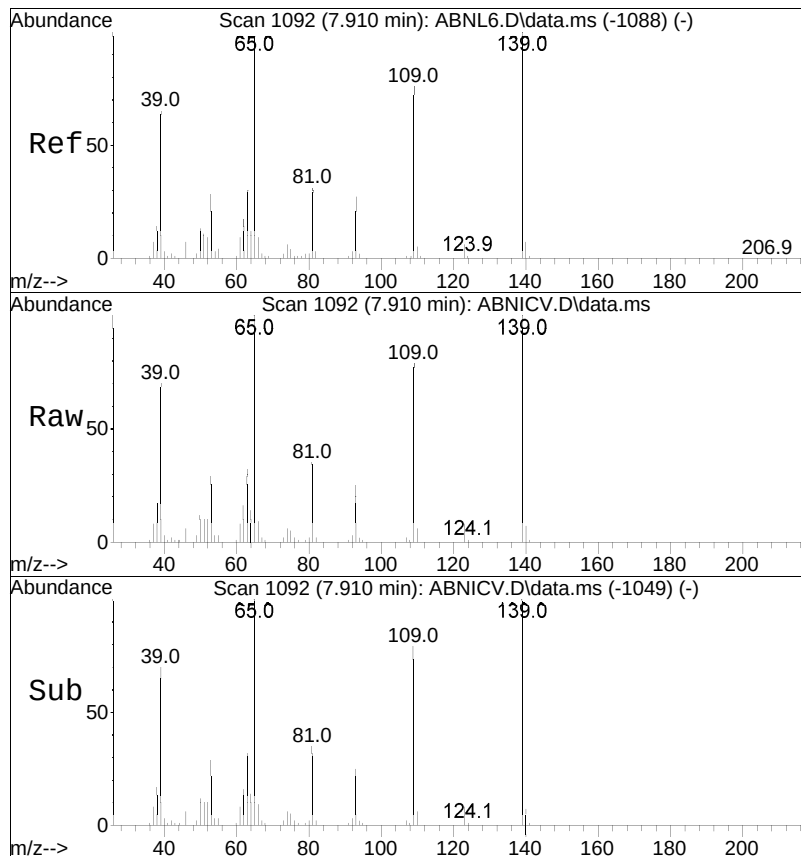




#68
 2,4-Dinitrotoluene
 Concen: 5.31 ug/ml
 RT: 7.963 min Scan# 1101
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 13 Mar 2025 08:37 pm

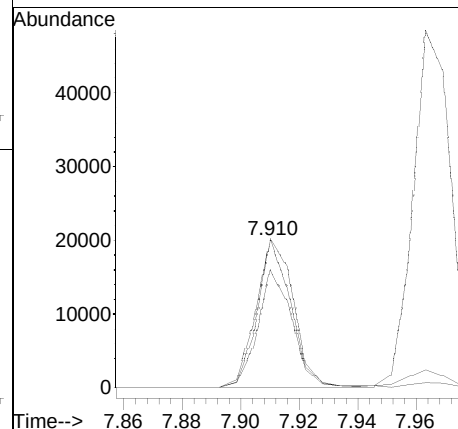
Tgt Ion	Ratio	Lower	Upper
165	100		
89	83.3	73.0	109.4
63	67.8	56.3	84.5

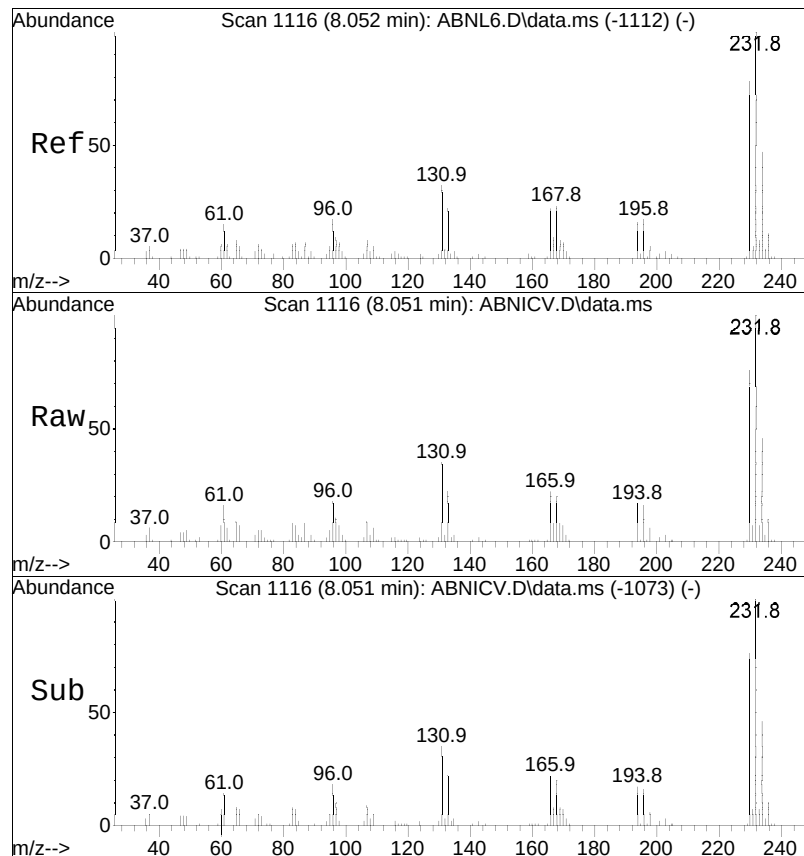




#69
 4-Nitrophenol
 Concen: 5.71 ug/ml
 RT: 7.910 min Scan# 1092
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 13 Mar 2025 08:37 pm

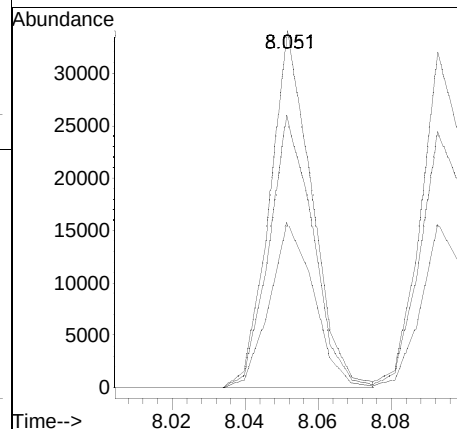
Tgt Ion	Ratio	Lower	Upper
65	100		
109	77.9	60.2	90.2
139	102.5	81.1	121.7

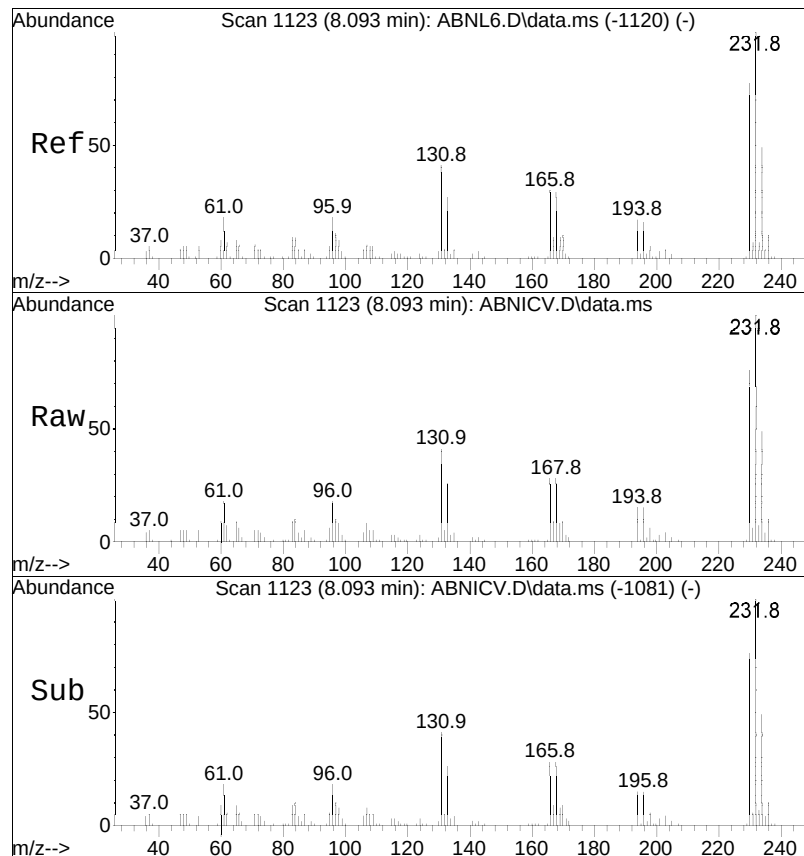




#70
 2,3,5,6-Tetrachlorophenol
 Concen: 5.45 ug/ml
 RT: 8.051 min Scan# 1116
 Delta R.T. -0.001 min
 Lab File: ABNICV.D
 Acq: 13 Mar 2025 08:37 pm

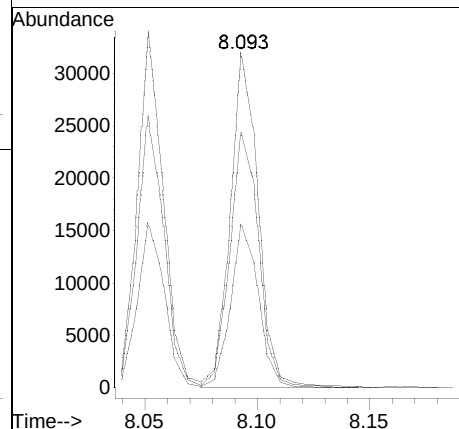
Tgt Ion	Ratio	Resp	Lower	Upper
232	100	27378		
230	79.0		63.8	95.8
234	48.4		38.3	57.5

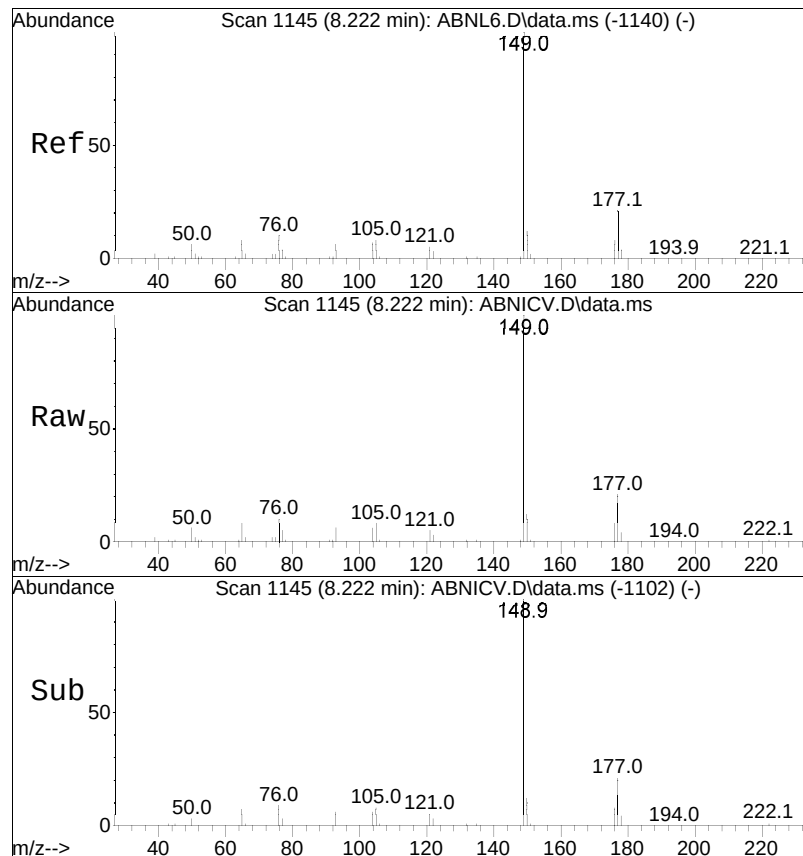




#71
 2,3,4,6-Tetrachlorophenol
 Concen: 5.42 ug/ml
 RT: 8.093 min Scan# 1123
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 13 Mar 2025 08:37 pm

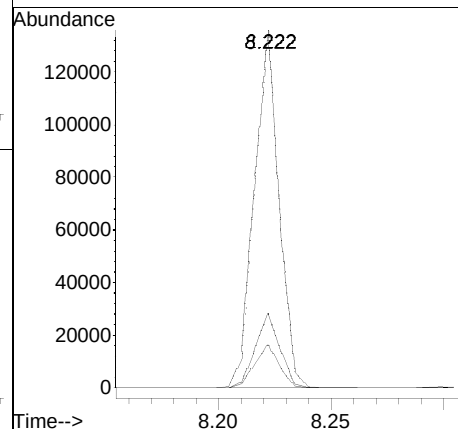
Tgt Ion:	232	Resp:	27757
Ion Ratio	Lower	Upper	
232	100		
230	78.6	63.8	95.8
234	48.8	39.0	58.6

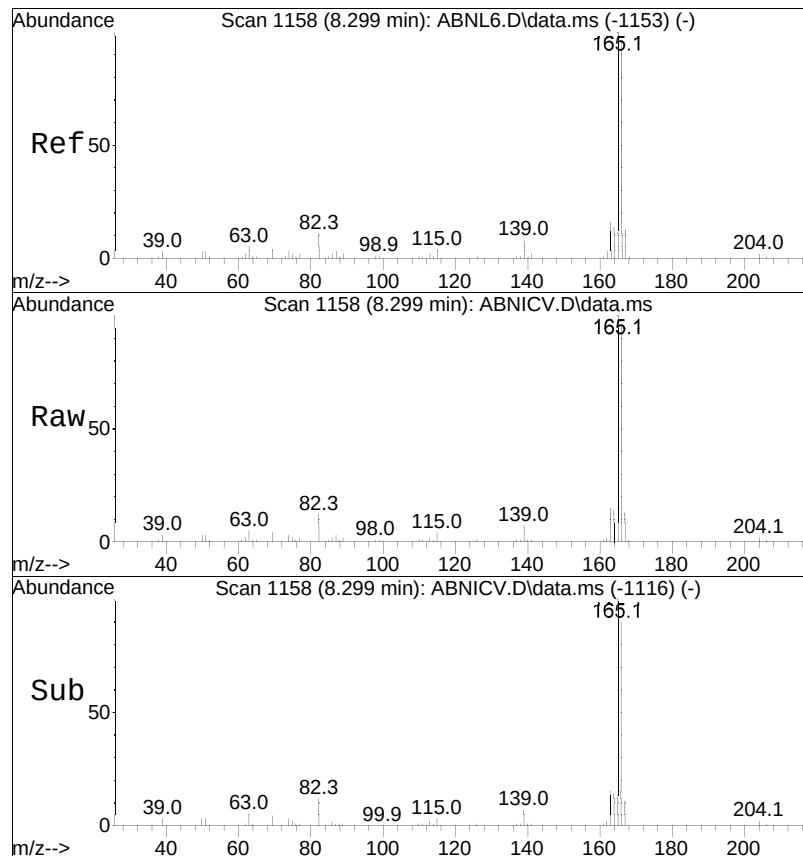




#72
 Diethyl phthalate
 Concen: 5.32 ug/ml
 RT: 8.222 min Scan# 1145
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 13 Mar 2025 08:37 pm

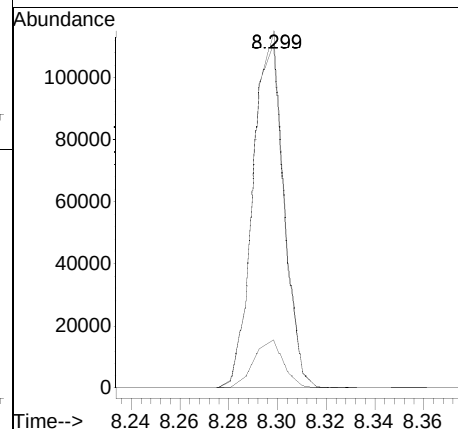
Tgt Ion:	149	Resp:	101920
Ion Ratio	Lower	Upper	
149	100		
177	20.9	15.0	22.6
150	12.2	9.8	14.6

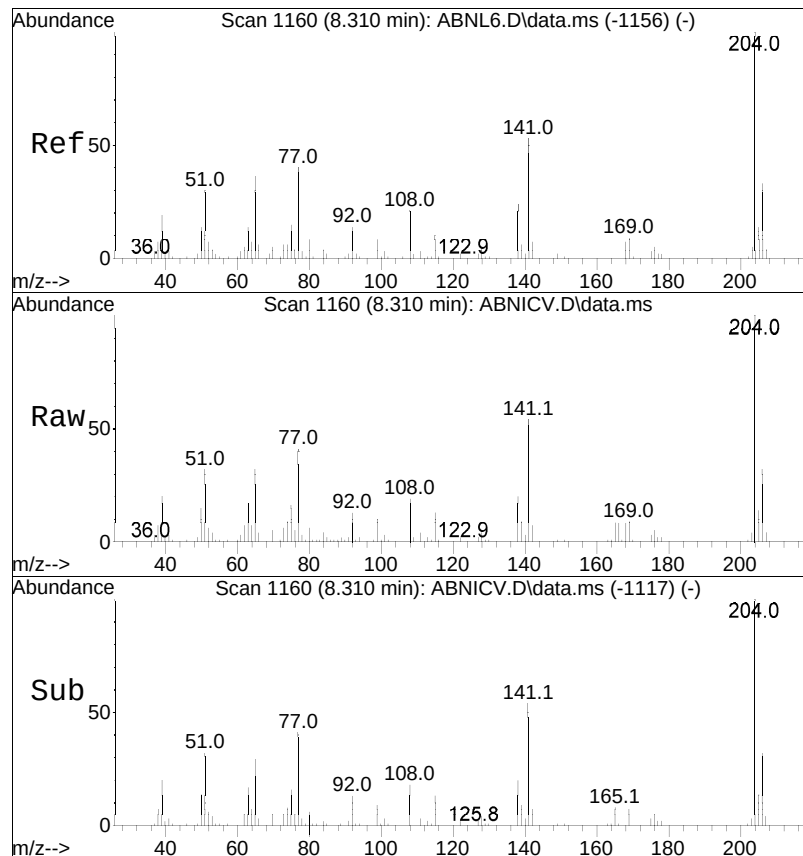




#73
 Fluorene
 Concen: 5.33 ug/ml
 RT: 8.299 min Scan# 1158
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 13 Mar 2025 08:37 pm

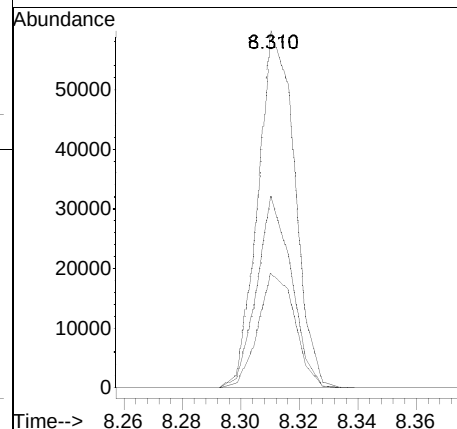
Tgt Ion:	166	Resp:	98989
Ion Ratio	Lower	Upper	
166	100		
165	101.8	80.0	120.0
167	13.4	10.7	16.1

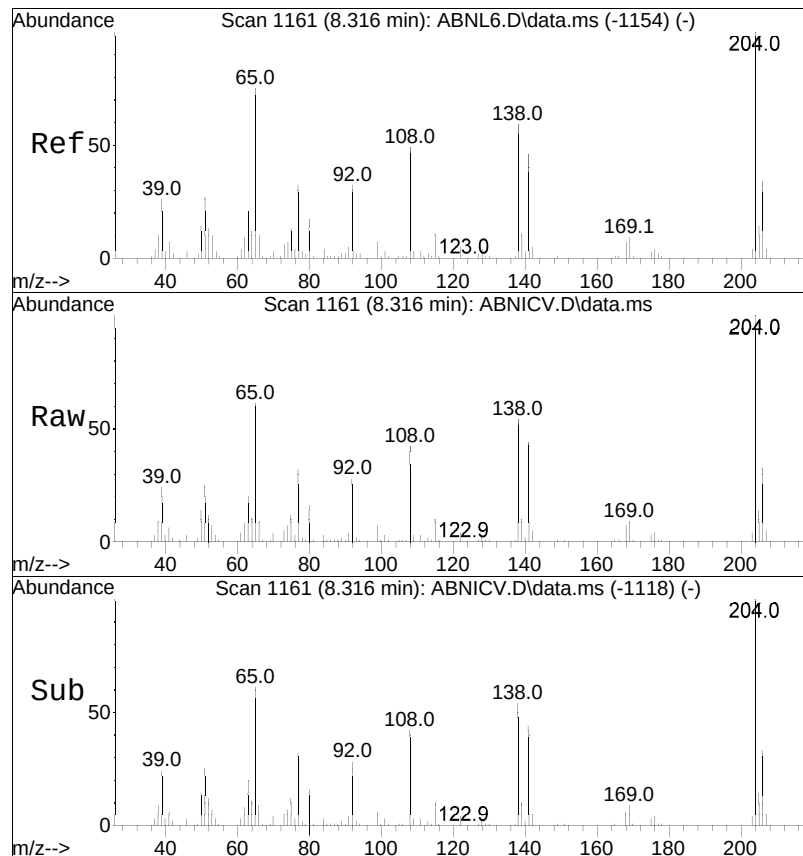




#74
 4-Chlorophenyl phenyl ether
 Concen: 5.31 ug/ml
 RT: 8.310 min Scan# 1160
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 13 Mar 2025 08:37 pm

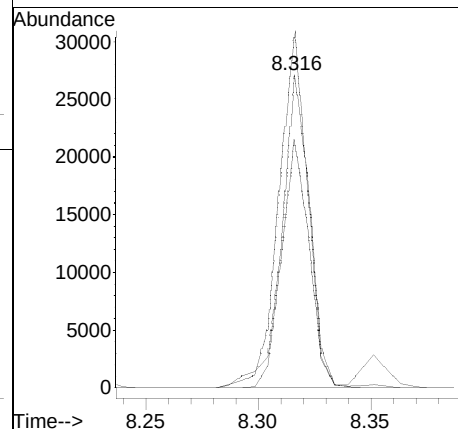
Tgt Ion:	204	Resp:	51938
Ion Ratio	Lower	Upper	
204	100		
206	32.3	26.3	39.5
141	50.7	58.4	87.6#

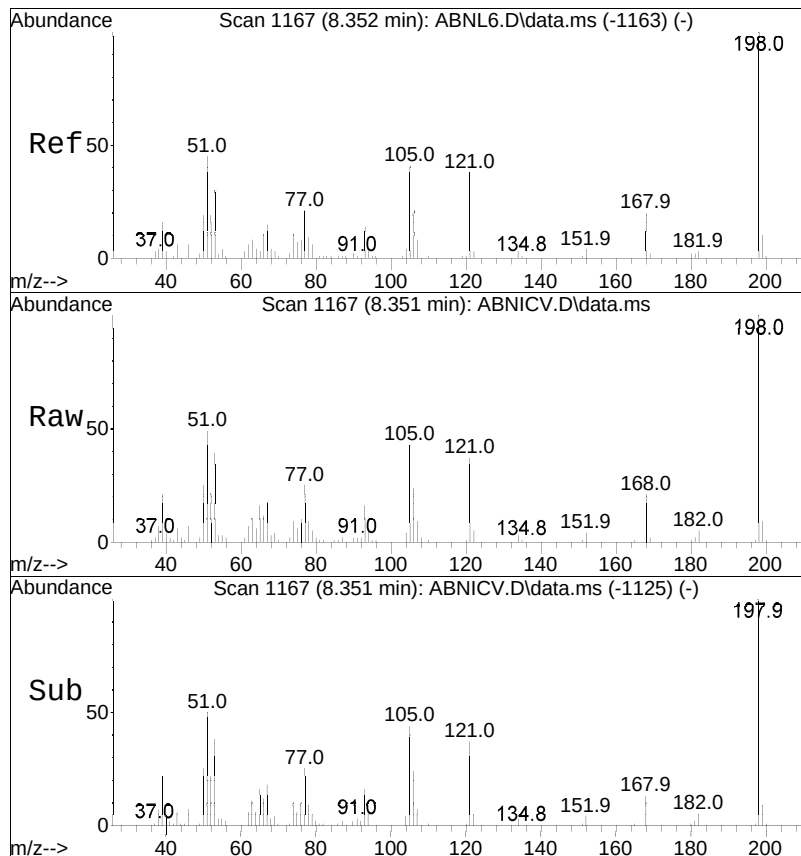




#75
 4-Nitroaniline
 Concen: 5.69 ug/ml
 RT: 8.316 min Scan# 1161
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 13 Mar 2025 08:37 pm

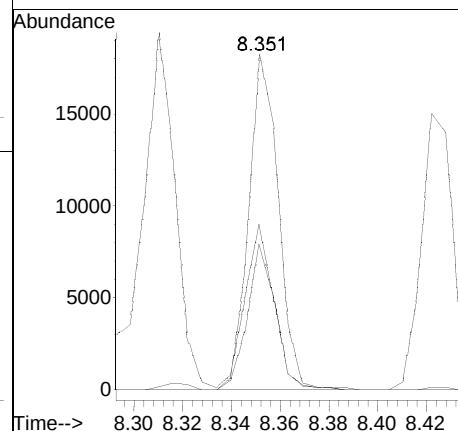
Tgt Ion	Ratio	Lower	Upper
138	100		
108	77.2	59.2	88.8
65	116.3	97.6	146.4

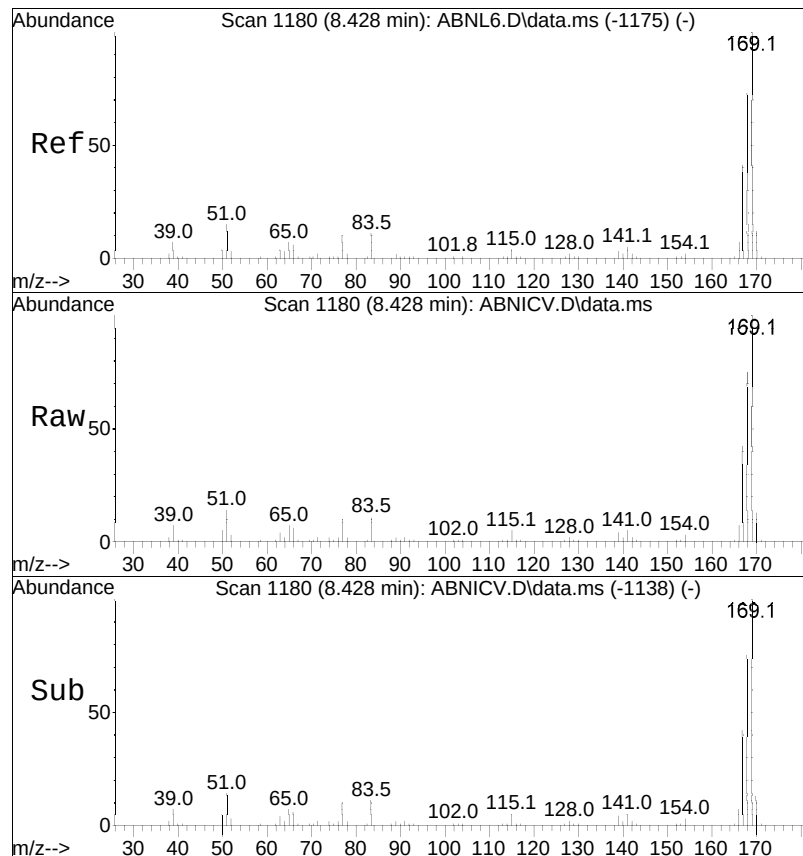




#76
 4,6-Dinitro-o-cresol
 Concen: 5.17 ug/ml
 RT: 8.351 min Scan# 1167
 Delta R.T. -0.001 min
 Lab File: ABNICV.D
 Acq: 13 Mar 2025 08:37 pm

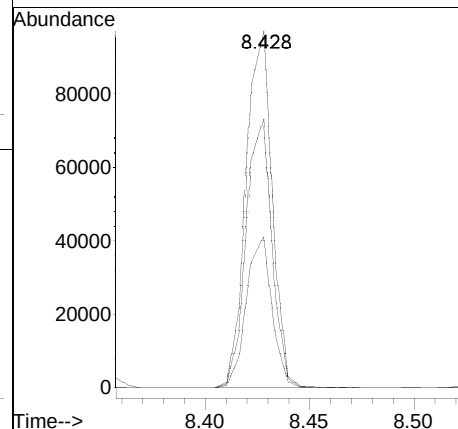
Tgt Ion	Ratio	Lower	Upper
198	100		
51	48.2	49.9	74.9#
105	41.1	45.8	68.6#

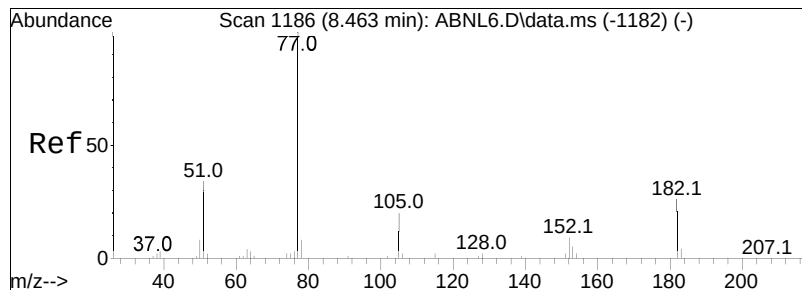




#77
 NDPA/DPA
 Concen: 5.54 ug/ml
 RT: 8.428 min Scan# 1180
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 13 Mar 2025 08:37 pm

Tgt Ion	Ratio	Lower	Upper
169	100		
168	74.2	55.2	82.8
167	41.5	30.4	45.6





#78

Azobenzene

Concen: 5.59 ug/ml

RT: 8.463 min Scan# 1186

Delta R.T. 0.000 min

Lab File: ABNICV.D

Acq: 13 Mar 2025 08:37 pm

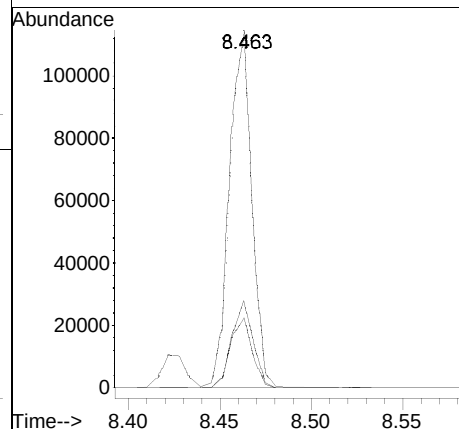
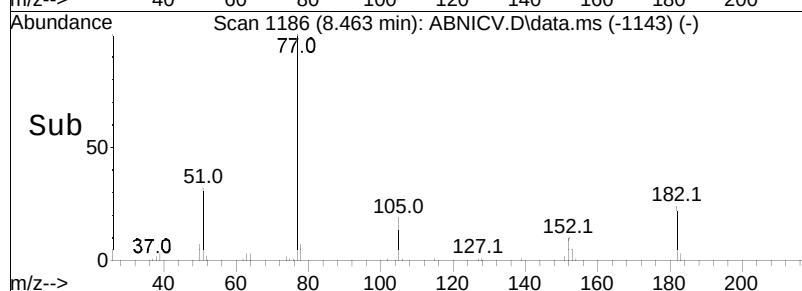
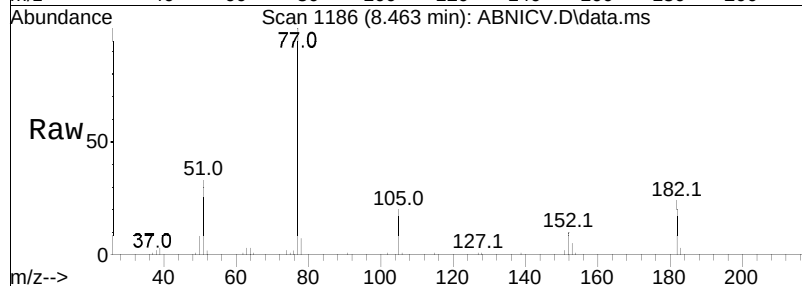
Tgt Ion: 77 Resp: 95798

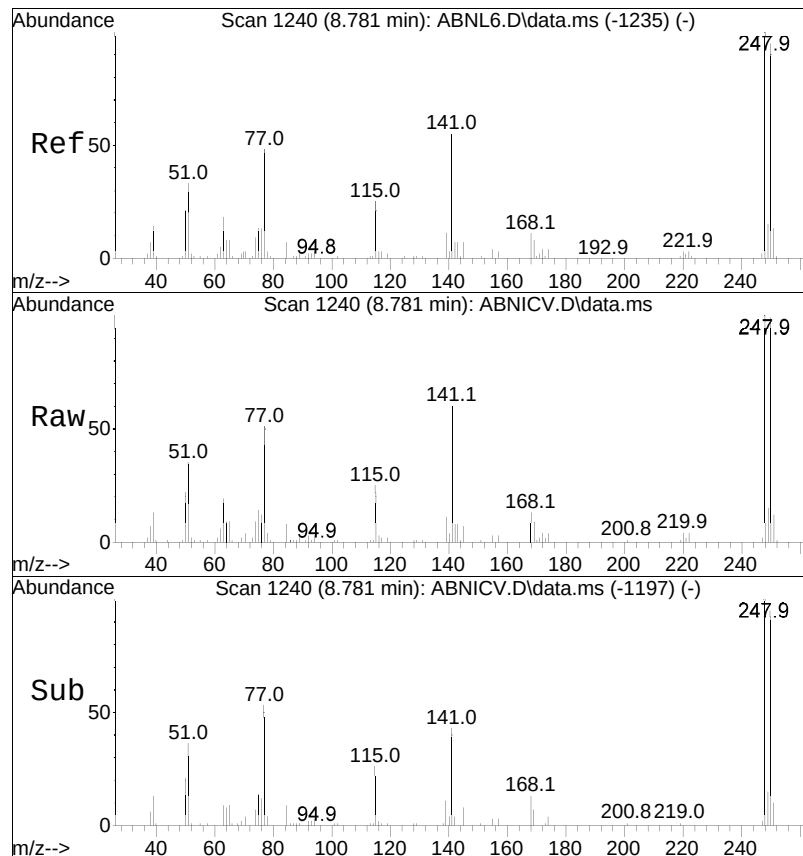
Ion Ratio Lower Upper

77 100

182 23.4 16.2 24.2

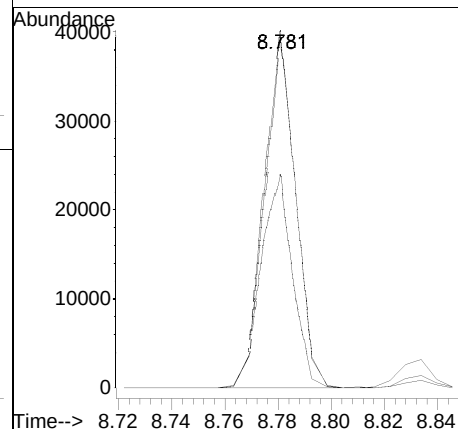
105 19.4 17.9 26.9

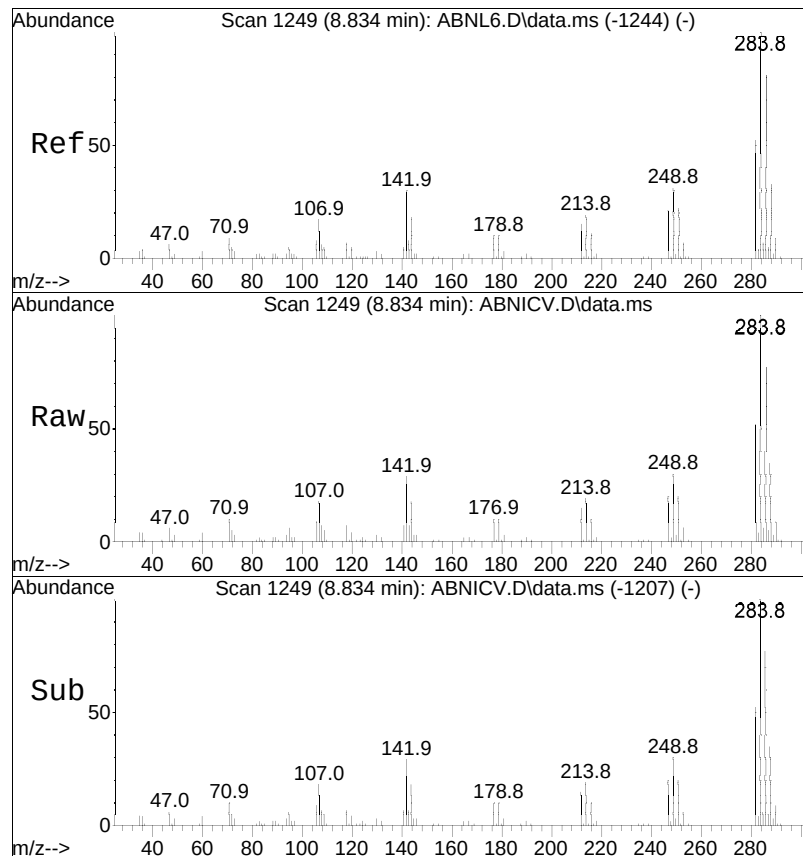




#80
 4-Bromophenyl phenyl ether
 Concen: 5.10 ug/ml
 RT: 8.781 min Scan# 1240
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 13 Mar 2025 08:37 pm

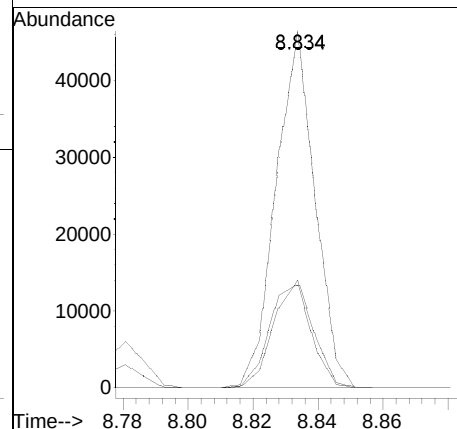
Tgt Ion	Ratio	Lower	Upper
248	100		
141	60.4	74.6	111.8#
250	97.2	76.9	115.3

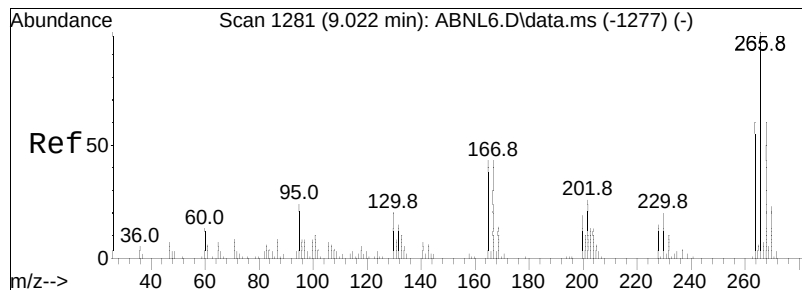




#81
 Hexachlorobenzene
 Concen: 5.13 ug/ml
 RT: 8.834 min Scan# 1249
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 13 Mar 2025 08:37 pm

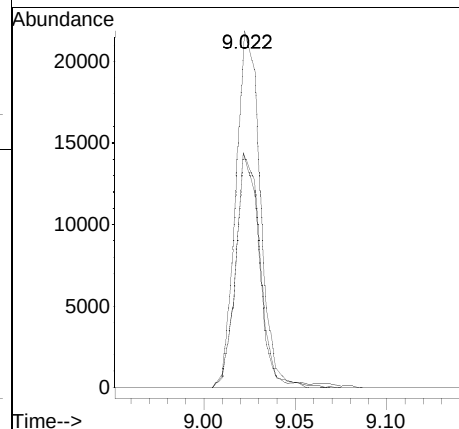
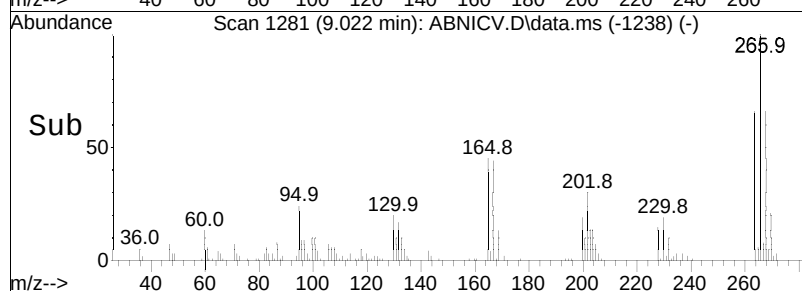
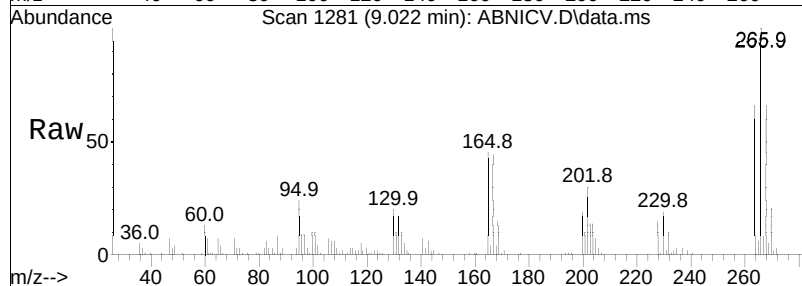
Tgt Ion:	284	Resp:	38488
Ion Ratio	Lower	Upper	
284	100		
142	31.4	37.6	56.4#
249	31.1	25.4	38.2

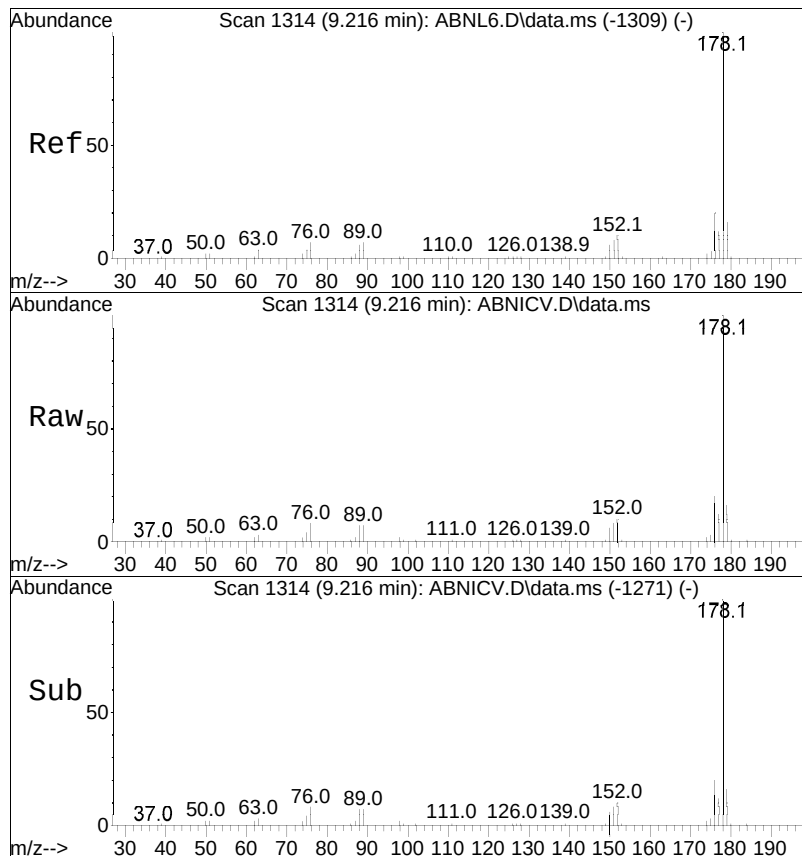




#82
 Pentachlorophenol
 Concen: 5.11 ug/ml
 RT: 9.022 min Scan# 1281
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 13 Mar 2025 08:37 pm

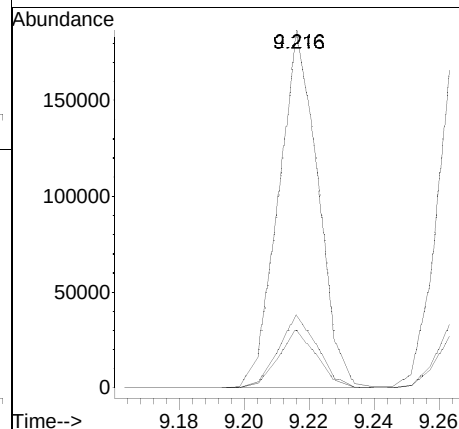
Tgt Ion	Ratio	Lower	Upper
266	100		
264	63.0	50.7	76.1
268	64.4	52.5	78.7

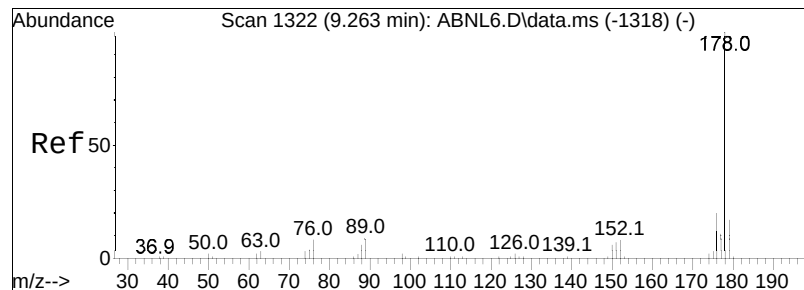




#89
 Phenanthrene
 Concen: 5.17 ug/ml
 RT: 9.216 min Scan# 1314
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 13 Mar 2025 08:37 pm

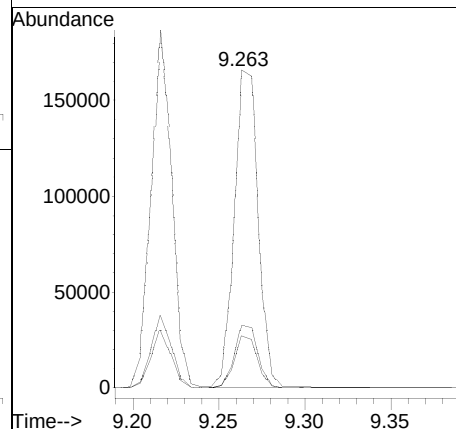
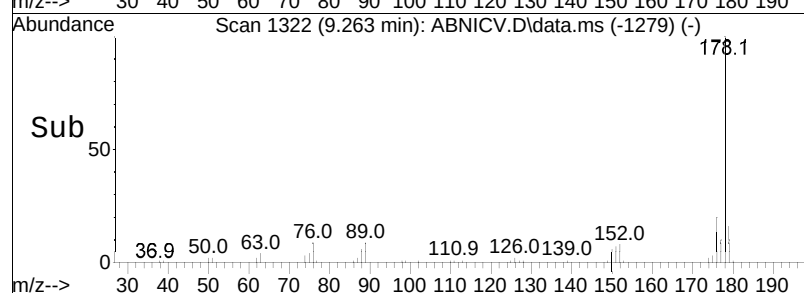
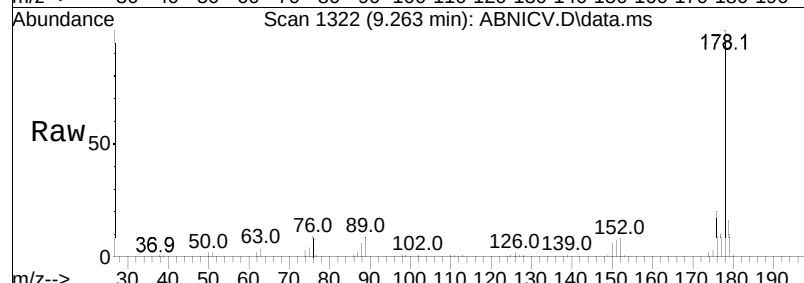
Tgt Ion:	178	Resp:	157458
Ion Ratio	Lower	Upper	
178	100		
179	15.7	12.3	18.5
176	20.0	15.4	23.2

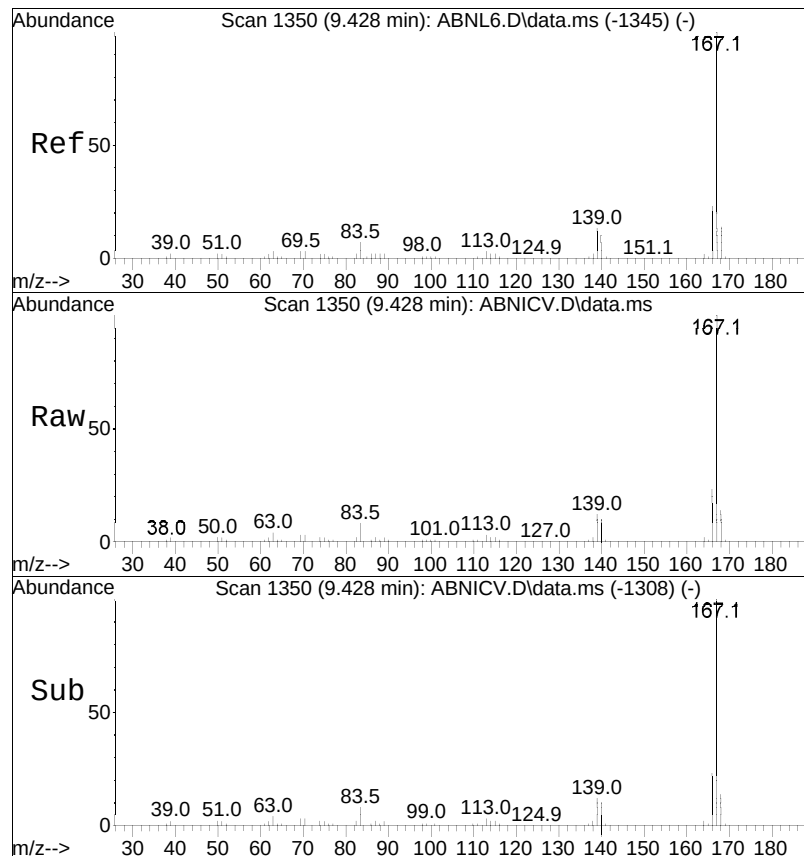




#90
 Anthracene
 Concen: 5.47 ug/ml
 RT: 9.263 min Scan# 1322
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 13 Mar 2025 08:37 pm

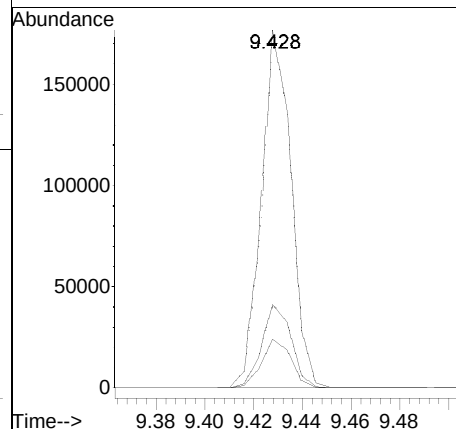
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.8	12.2	18.2
176	19.6	15.1	22.7

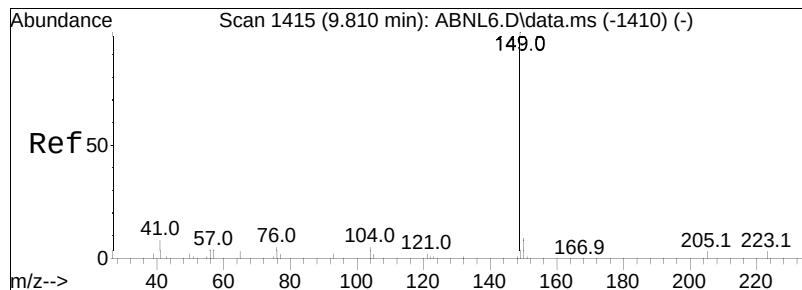




#91
 Carbazole
 Concen: 5.43 ug/ml
 RT: 9.428 min Scan# 1350
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 13 Mar 2025 08:37 pm

Tgt Ion:	167	Resp:	147631
Ion Ratio	Lower	Upper	
167	100		
168	13.7	10.8	16.2
166	23.3	17.7	26.5





#92

Di-n-butylphthalate

Concen: 5.42 ug/ml

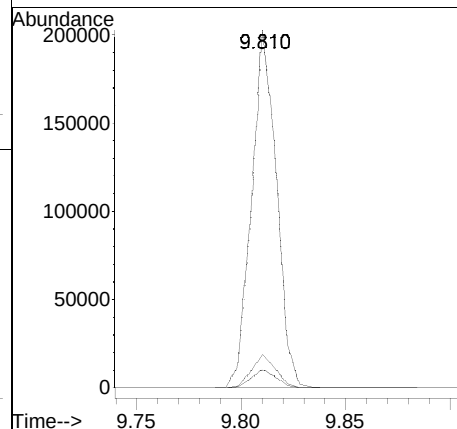
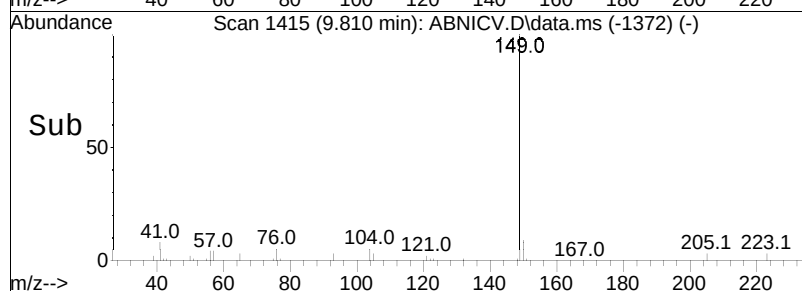
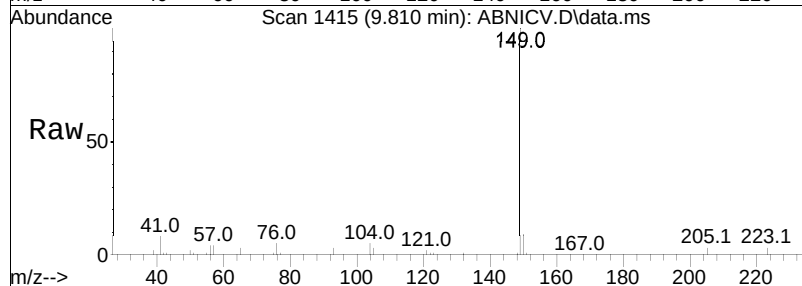
RT: 9.810 min Scan# 1415

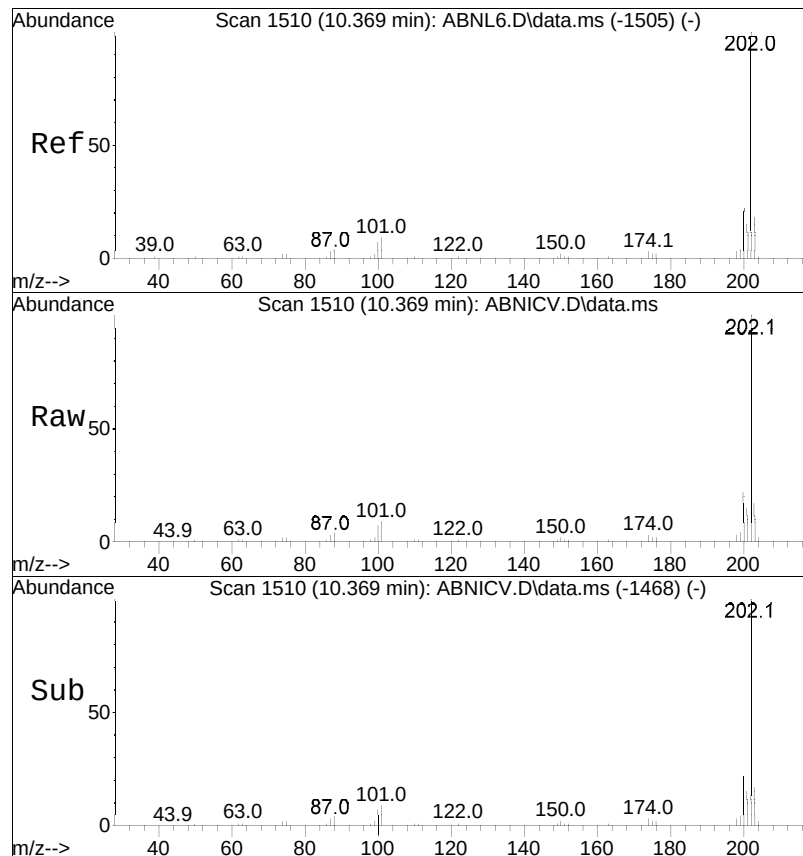
Delta R.T. 0.000 min

Lab File: ABNICV.D

Acq: 13 Mar 2025 08:37 pm

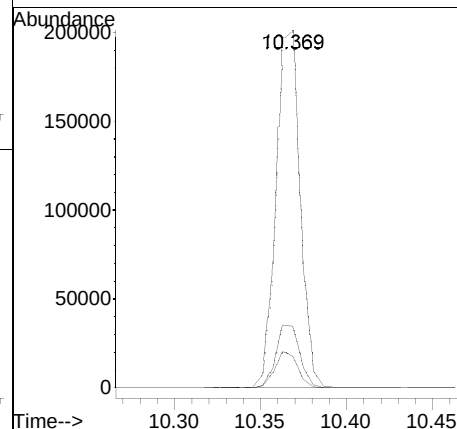
Tgt Ion:	149	Resp:	165192
Ion Ratio	Lower	Upper	
149	100		
150	9.1	7.3	10.9
104	5.2	4.0	6.0

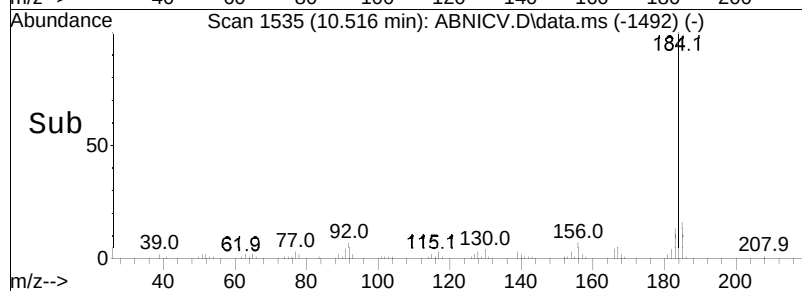
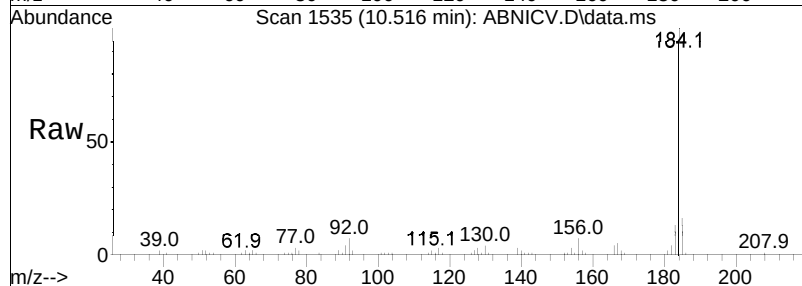
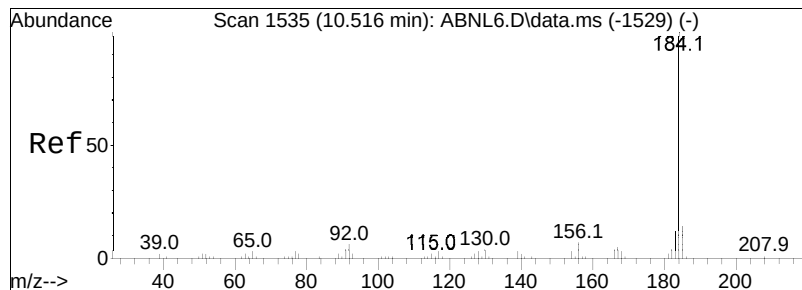




#93
 Fluoranthene
 Concen: 5.44 ug/ml M3
 RT: 10.369 min Scan# 1510
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 13 Mar 2025 08:37 pm

Tgt Ion:	202	Resp:	194367
Ion Ratio	Lower	Upper	
202	100		
101	12.2	11.2	16.8
203	19.0	13.7	20.5





#94

Benzidine

Concen: 5.86 ug/ml

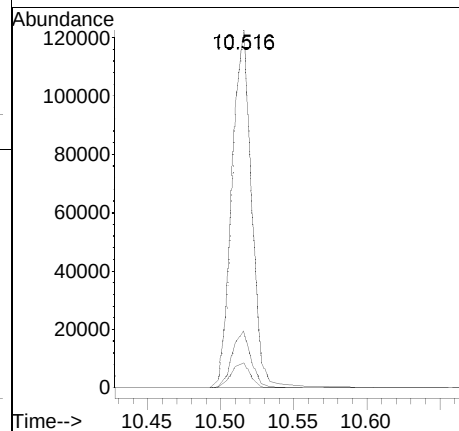
RT: 10.516 min Scan# 1535

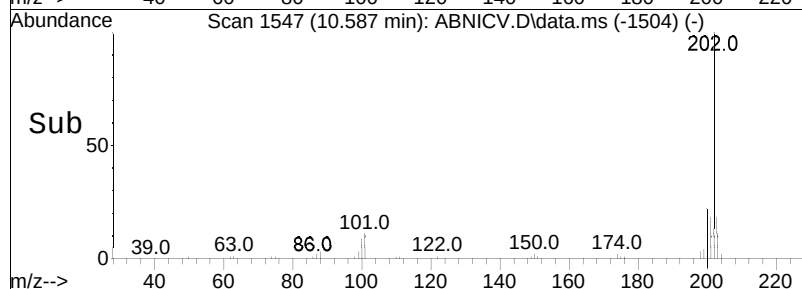
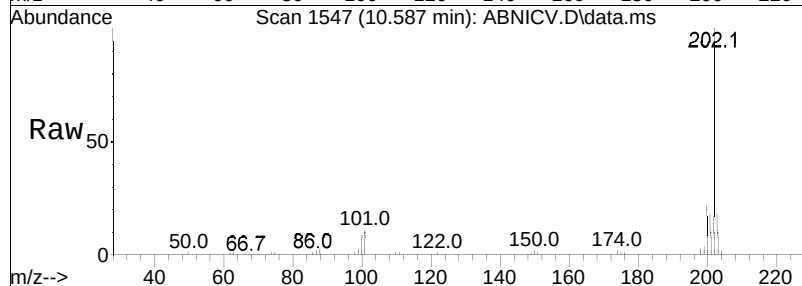
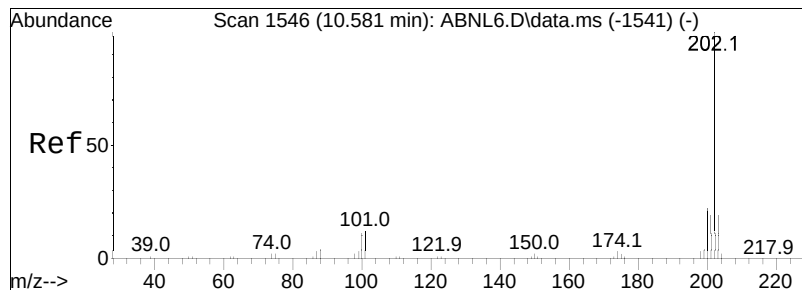
Delta R.T. 0.000 min

Lab File: ABNICV.D

Acq: 13 Mar 2025 08:37 pm

Tgt Ion	Ratio	Lower	Upper
184	100		
92	6.9	7.3	10.9#
185	15.5	11.8	17.8





#95

Pyrene

Concen: 5.56 ug/ml

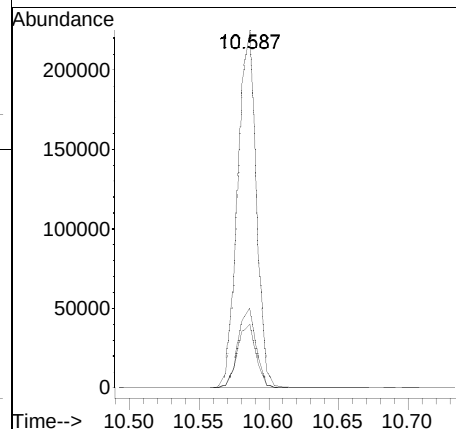
RT: 10.587 min Scan# 1547

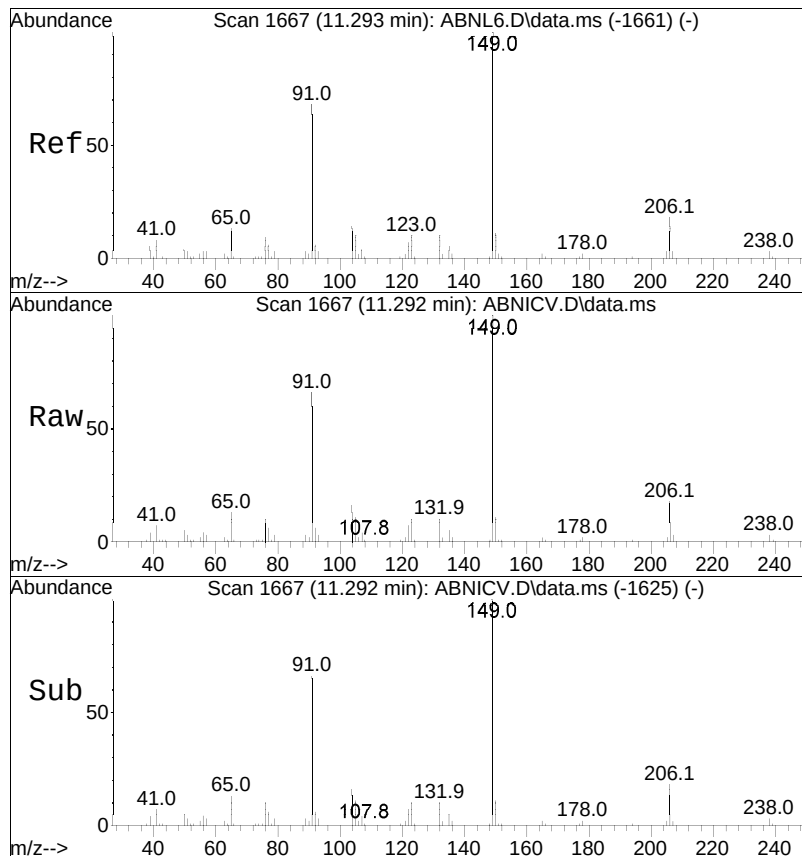
Delta R.T. 0.006 min

Lab File: ABNICV.D

Acq: 13 Mar 2025 08:37 pm

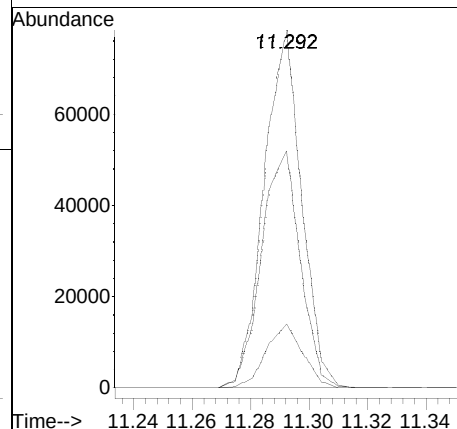
Tgt Ion:	202	Resp:	207481
Ion Ratio	Lower	Upper	
202	100		
200	21.7	16.9	25.3
203	17.9	14.3	21.5

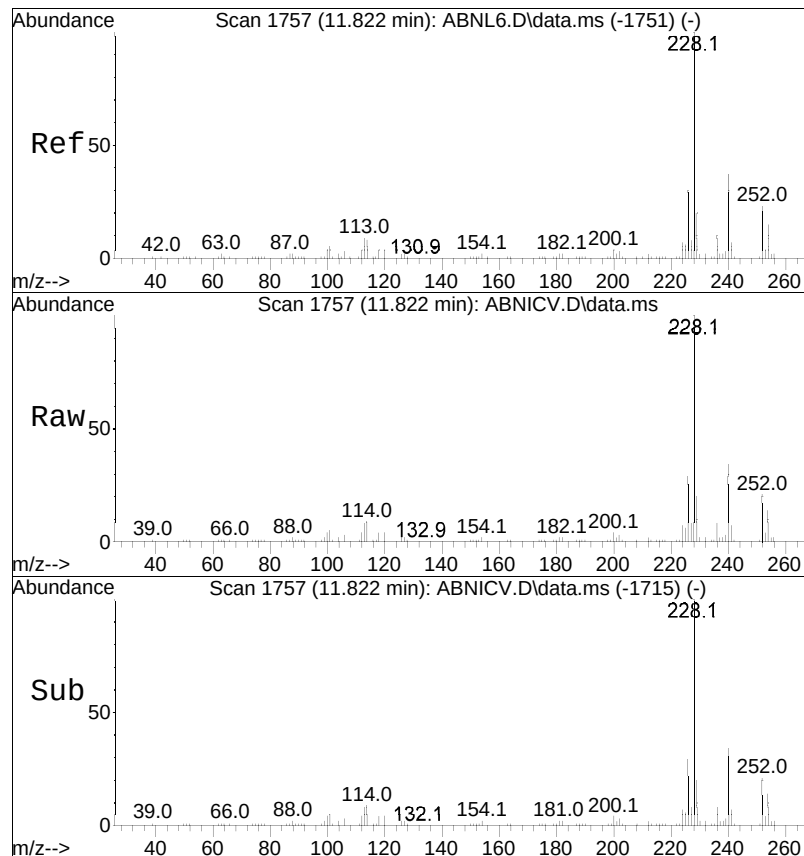




#97
 Butyl benzyl phthalate
 Concen: 5.21 ug/ml
 RT: 11.292 min Scan# 1667
 Delta R.T. -0.001 min
 Lab File: ABNICV.D
 Acq: 13 Mar 2025 08:37 pm

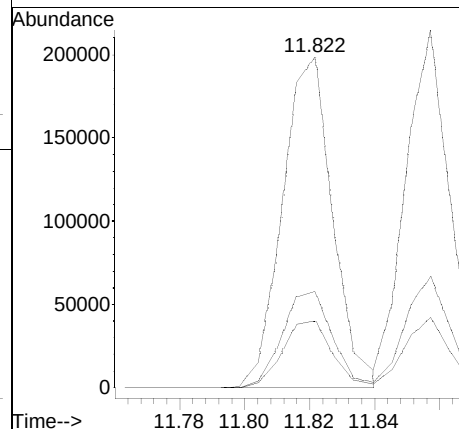
Tgt Ion:	149	Resp:	69051
Ion Ratio	Lower	Upper	
149	100		
91	68.8	57.9	86.9
206	17.6	11.9	17.9

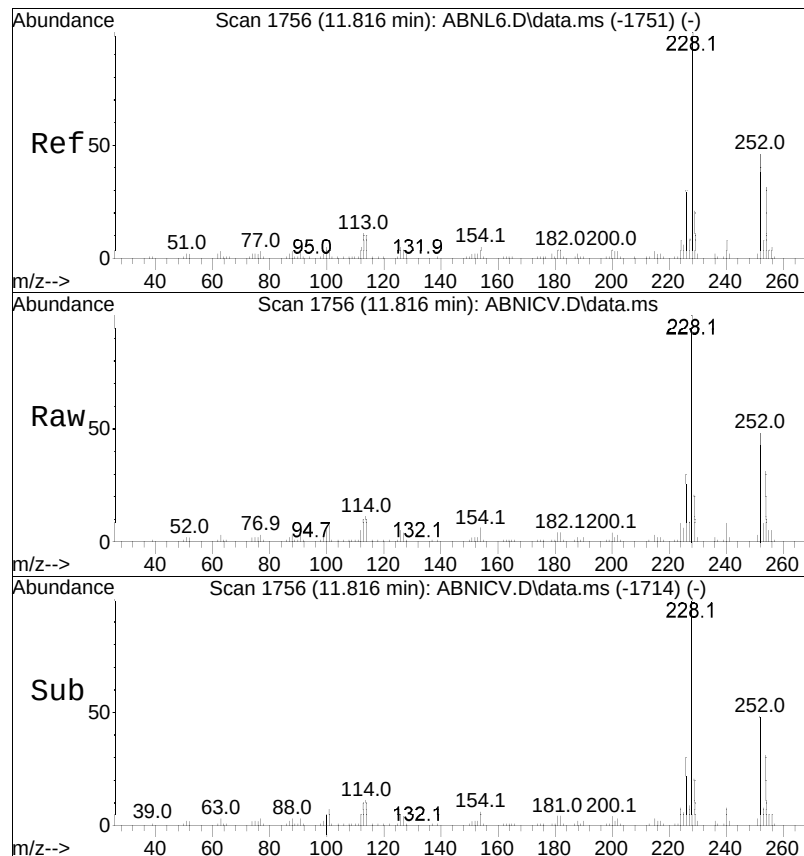




#105
 Benzo(a)anthracene
 Concen: 5.27 ug/ml
 RT: 11.822 min Scan# 1757
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 13 Mar 2025 08:37 pm

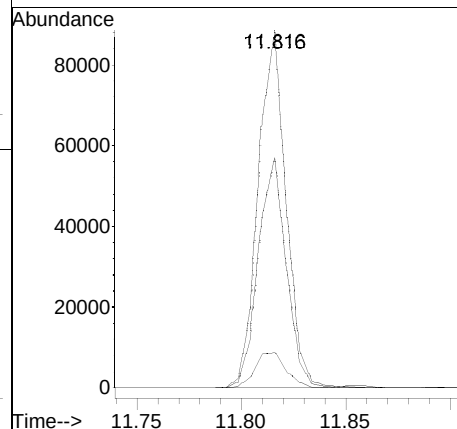
Tgt Ion	Ratio	Lower	Upper
228	100		
226	29.3	22.6	34.0
229	20.3	15.8	23.6

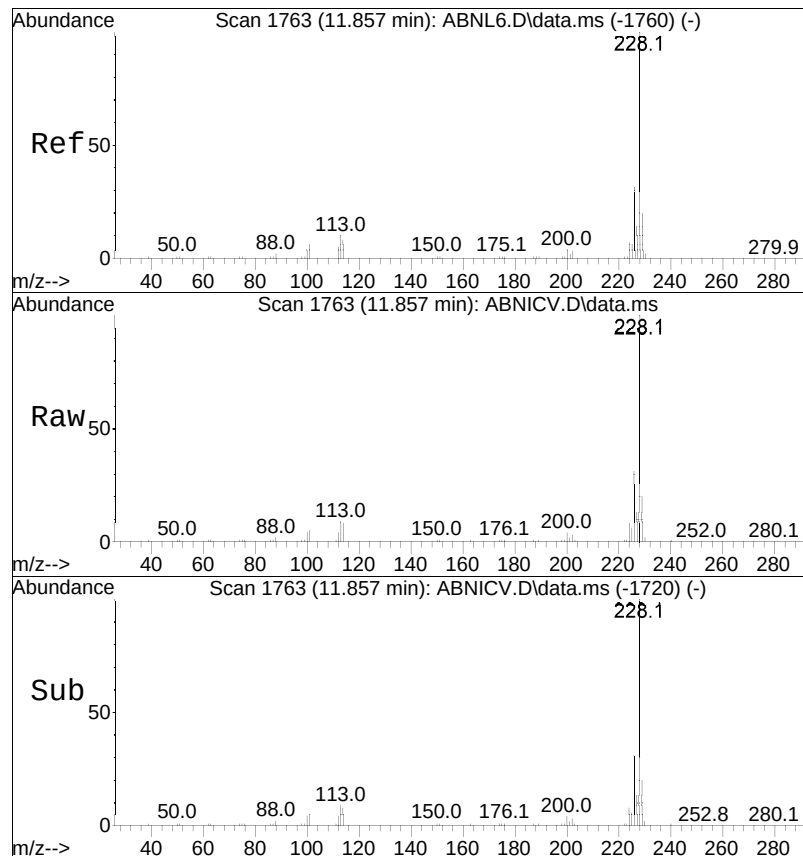




#106
 3,3'-Dichlorobenzidine
 Concen: 5.63 ug/ml
 RT: 11.816 min Scan# 1756
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 13 Mar 2025 08:37 pm

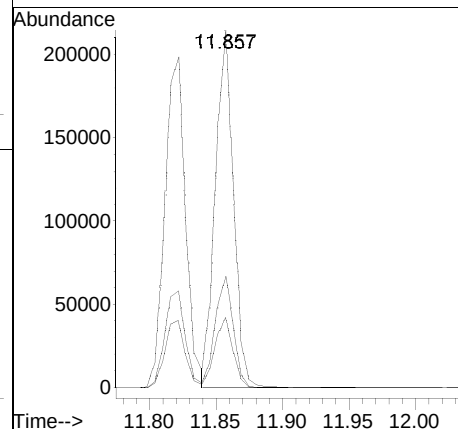
Tgt Ion:	252	Resp:	81522
Ion Ratio	Lower	Upper	
252	100		
126	11.3	12.6	19.0#
254	65.1	51.1	76.7

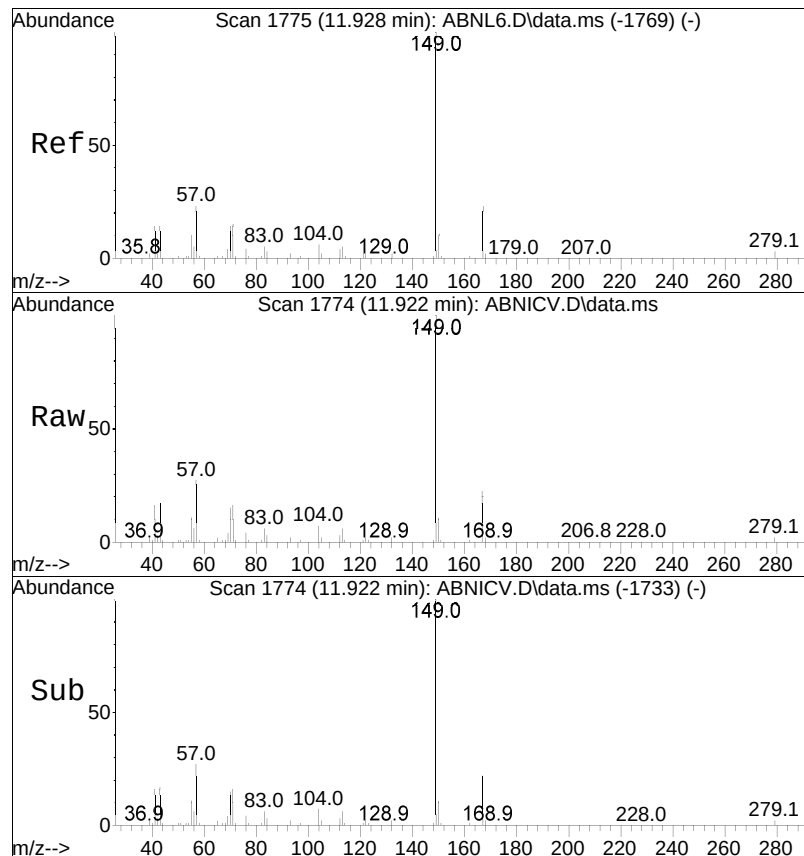




#107
 Chrysene
 Concen: 5.28 ug/ml
 RT: 11.857 min Scan# 1763
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 13 Mar 2025 08:37 pm

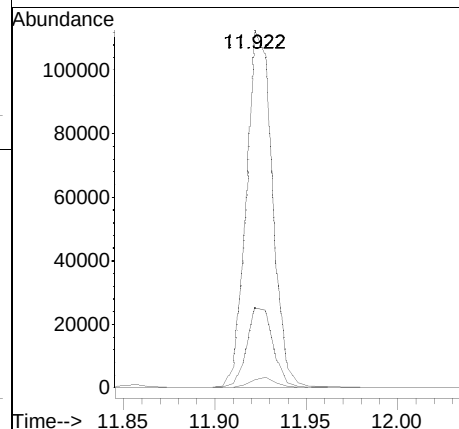
Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.3	24.7	37.1
229	19.8	15.5	23.3

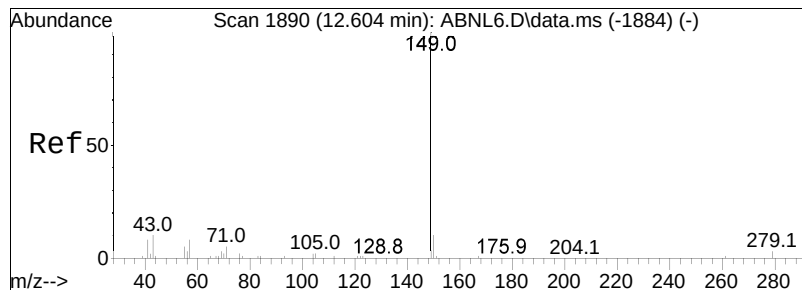




#108
 Bis(2-ethylhexyl)phthalate
 Concen: 5.46 ug/ml
 RT: 11.922 min Scan# 1774
 Delta R.T. -0.006 min
 Lab File: ABNICV.D
 Acq: 13 Mar 2025 08:37 pm

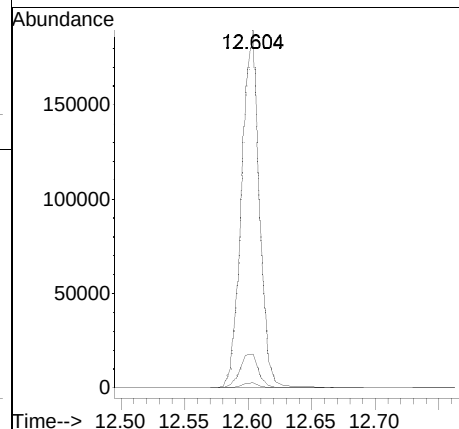
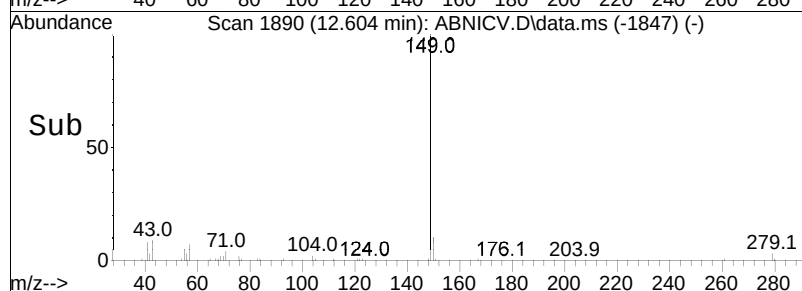
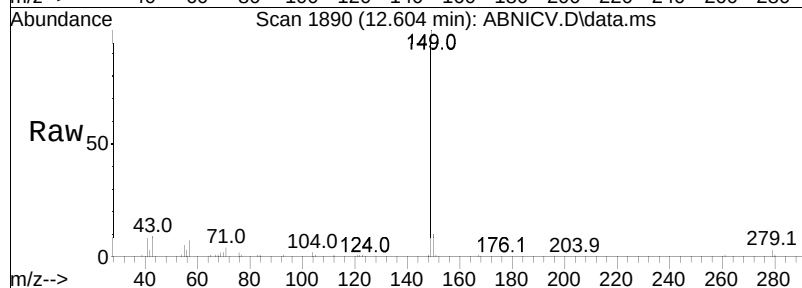
Tgt Ion:	149	Resp:	110270
Ion Ratio	Lower	Upper	
149	100		
167	22.6	18.4	27.6
279	2.5	1.7	2.5

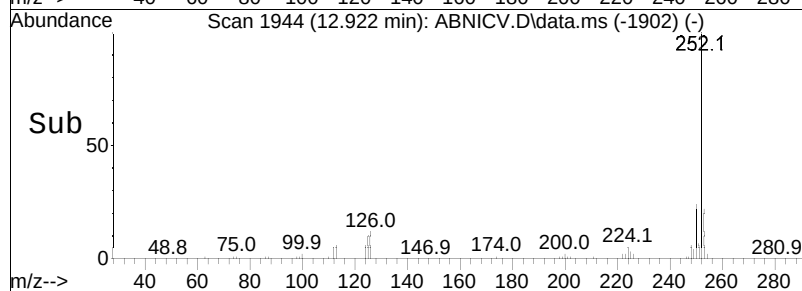
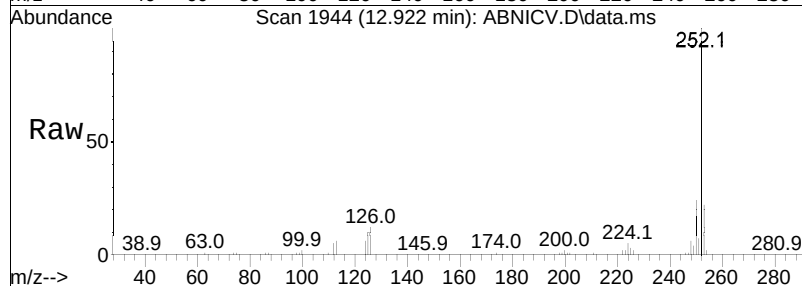
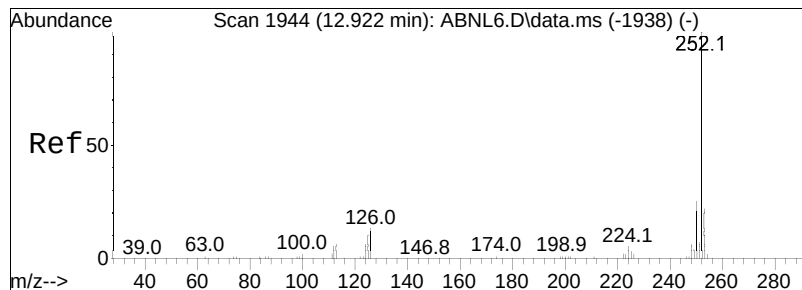




#109
 Di-n-octylphthalate
 Concen: 5.64 ug/ml
 RT: 12.604 min Scan# 1890
 Delta R.T. 0.000 min
 Lab File: ABNICV.D
 Acq: 13 Mar 2025 08:37 pm

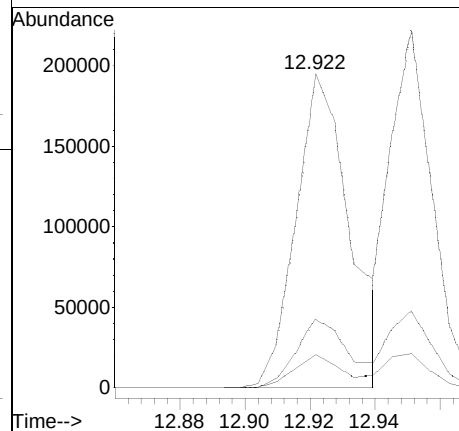
Tgt Ion	Ratio	Lower	Upper
149	100		
43	10.2	8.2	12.2
167	1.3	1.1	1.7

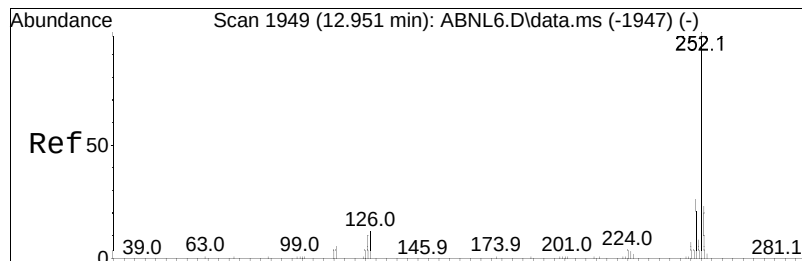




#110
Benzo(b)fluoranthene
Concen: 5.80 ug/ml
RT: 12.922 min Scan# 1944
Delta R.T. -0.000 min
Lab File: ABNICV.D
Acq: 13 Mar 2025 08:37 pm

Tgt Ion	Ratio	Lower	Upper
252	100		
125	9.2	11.3	16.9#
253	21.9	17.8	26.8





#111

Benzo(k)fluoranthene

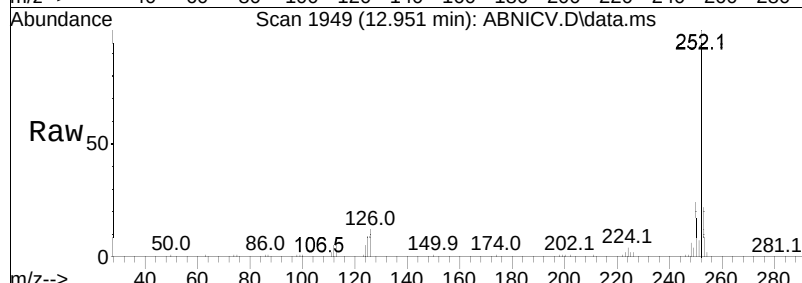
Concen: 5.14 ug/ml M3

RT: 12.951 min Scan# 1949

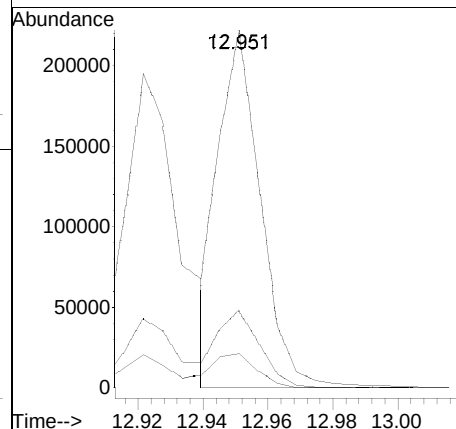
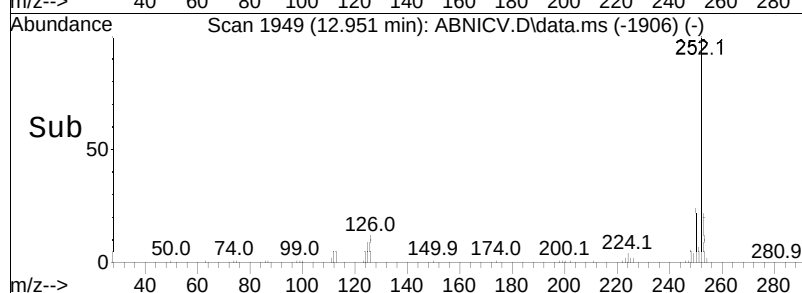
Delta R.T. 0.000 min

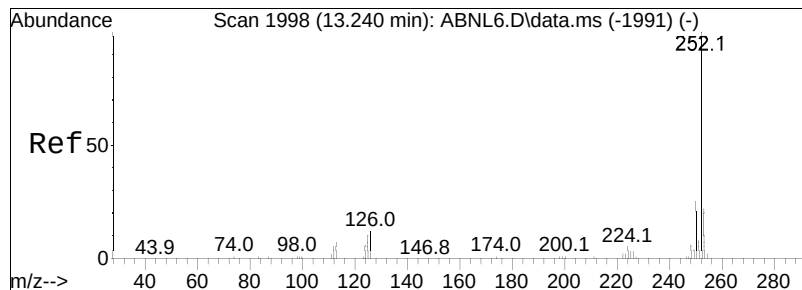
Lab File: ABNICV.D

Acq: 13 Mar 2025 08:37 pm



Tgt	Ion:252	Resp:	200232
Ion	Ratio	Lower	Upper
252	100		
125	10.3	11.5	17.3#
253	24.7	17.6	26.4





#112

Benzo(a)pyrene

Concen: 5.48 ug/ml

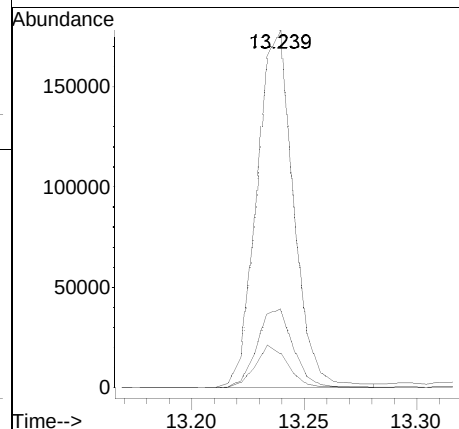
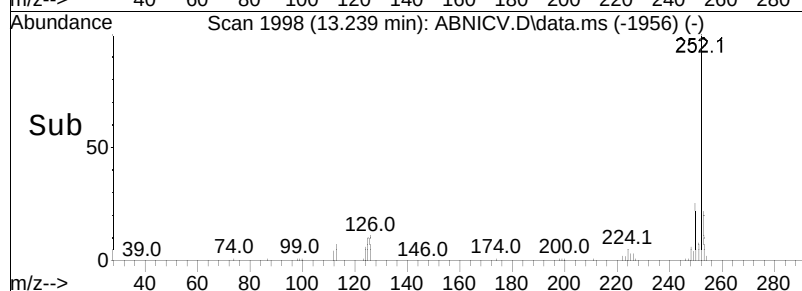
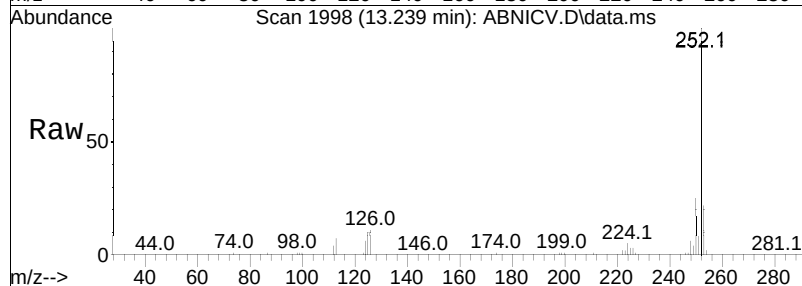
RT: 13.239 min Scan# 1998

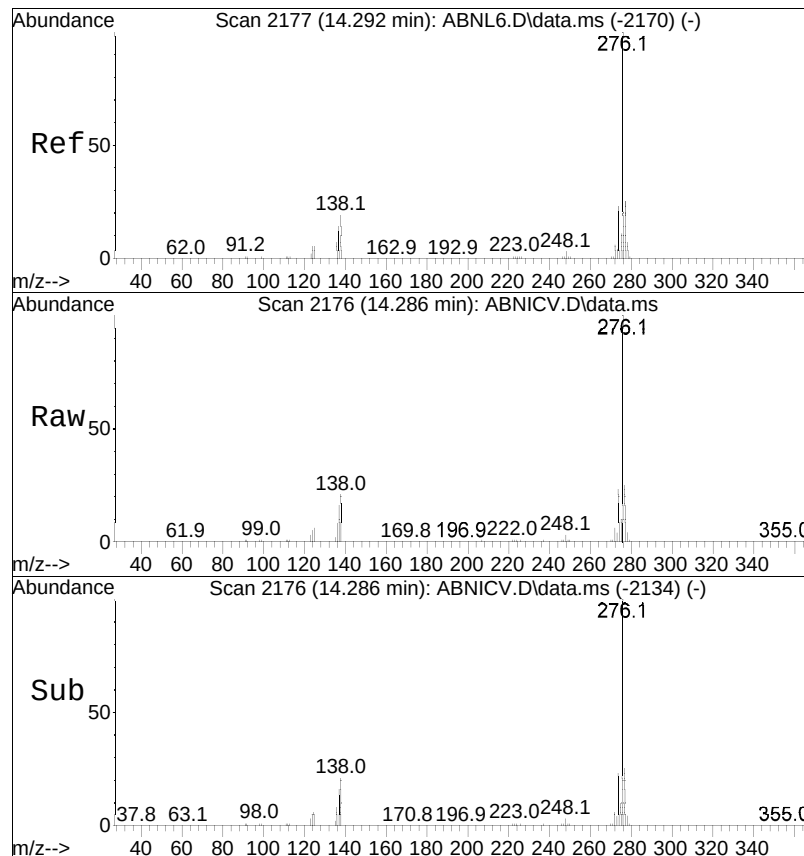
Delta R.T. -0.001 min

Lab File: ABNICV.D

Acq: 13 Mar 2025 08:37 pm

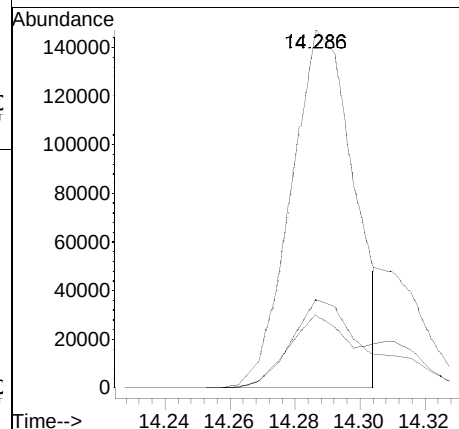
Tgt Ion:	252	Resp:	200403
Ion Ratio	Lower	Upper	
252	100		
125	11.0	12.6	18.8#
253	22.1	17.5	26.3

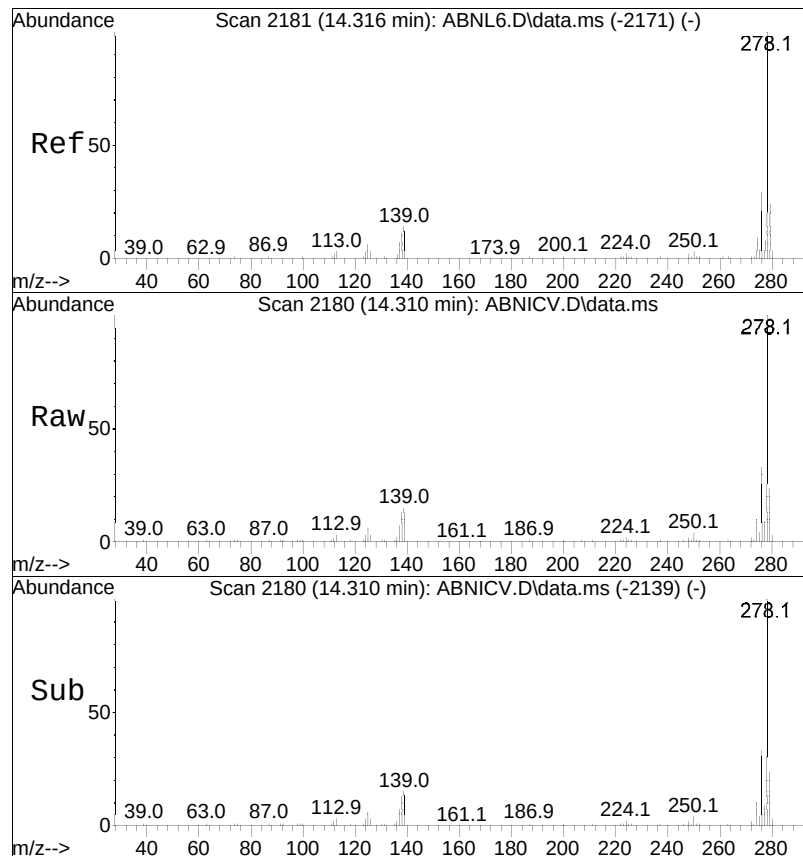




#114
 Indeno(1,2,3-cd)pyrene
 Concen: 5.22 ug/mL M6
 RT: 14.286 min Scan# 2176
 Delta R.T. -0.006 min
 Lab File: ABNICV.D
 Acq: 13 Mar 2025 08:37 pm

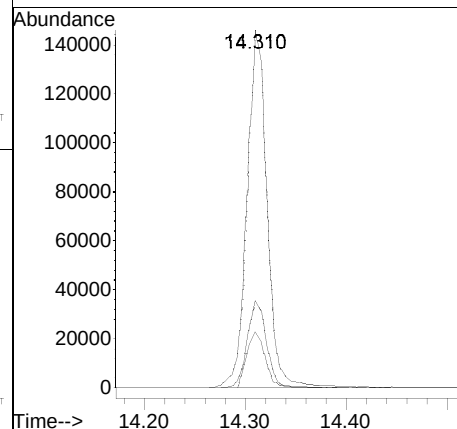
Tgt Ion:	276	Resp:	200063
Ion Ratio	Lower	Upper	
276	100		
138	30.7	22.1	33.1
277	31.4	19.0	28.6#

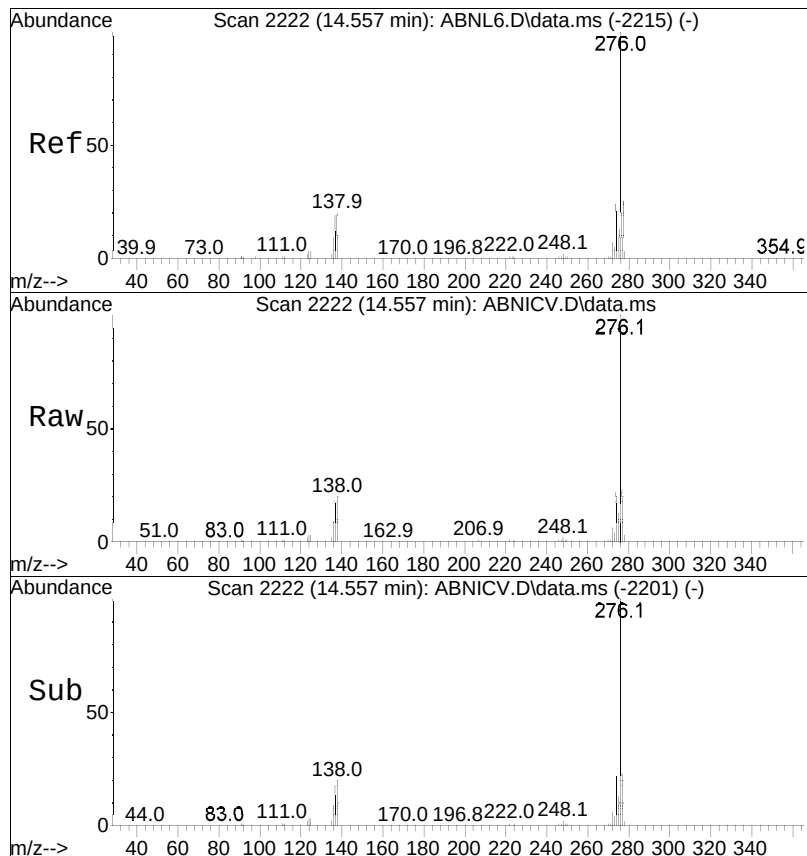




#115
 Dibenzo(a,h)anthracene
 Concen: 5.36 ug/ml
 RT: 14.310 min Scan# 2180
 Delta R.T. -0.006 min
 Lab File: ABNICV.D
 Acq: 13 Mar 2025 08:37 pm

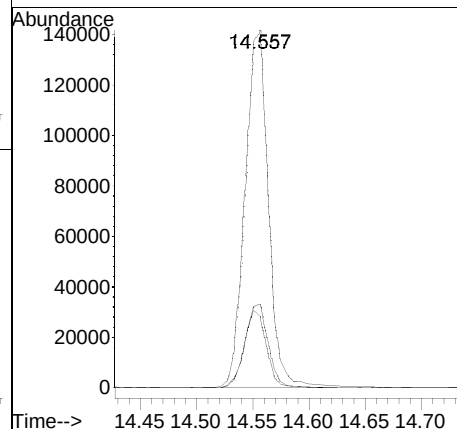
Tgt Ion	Ratio	Lower	Upper
278	100		
139	14.6	17.8	26.8#
279	23.9	19.2	28.8





#116
 Benzo(ghi)perylene
 Concen: 5.26 ug/ml
 RT: 14.557 min Scan# 2222
 Delta R.T. -0.000 min
 Lab File: ABNICV.D
 Acq: 13 Mar 2025 08:37 pm

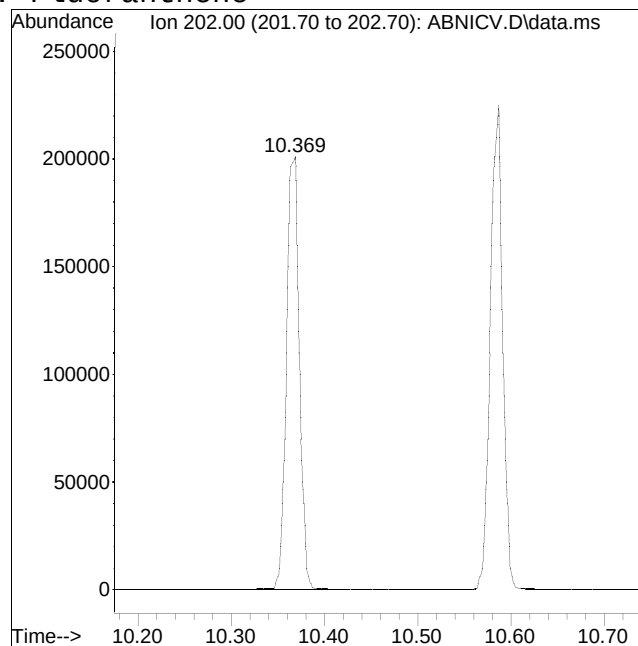
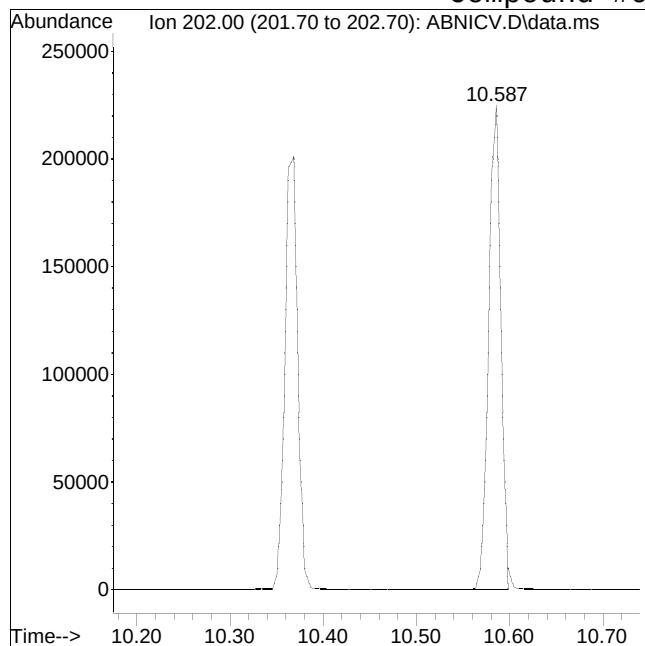
Tgt Ion:	276	Resp:	202163
Ion Ratio	Lower	Upper	
276	100		
138	21.2	21.9	32.9#
277	23.8	18.4	27.6



Manual Integration Report

Data Path : I:\8270\SV112\250313RVTica01
Data File : ABNICV.D
Date Inj'd : 3/13/2025 8:37 pm
Sample : CQICV1,32,,ABNICV Lot# 11400
Method : FS250313SV112RVT.m
Operator : SV112:ljj
Instrument : SV112
Acq Date : 3/14/2025 11:20 am

Compound #93: Fluoranthene



Original Peak Response = 206014

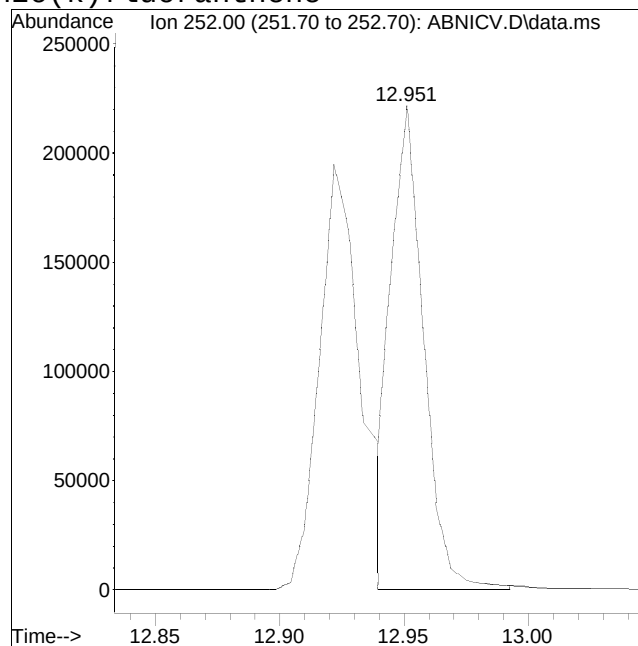
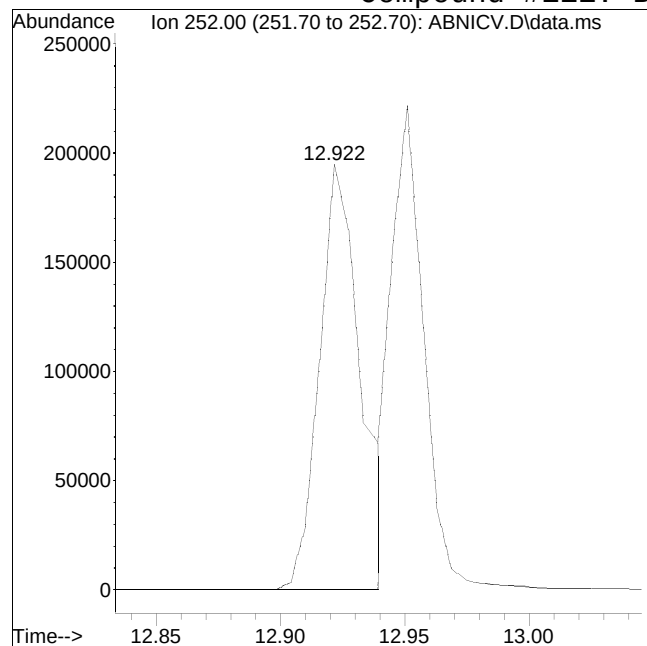
Manual Peak Response = 194367 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250313RVT\data
Data File : ABNICV.D
Date Inj'd : 3/13/2025 8:37 pm
Sample : CQICV1,32,,ABNICV Lot# 11400
Method : FS250313SV112RVT.m
Operator : SV112:ljb
Instrument : SV112
Acq Date : 3/14/2025 11:20 am

Compound #111: Benzo(k)fluoranthene



Original Peak Response = 226032

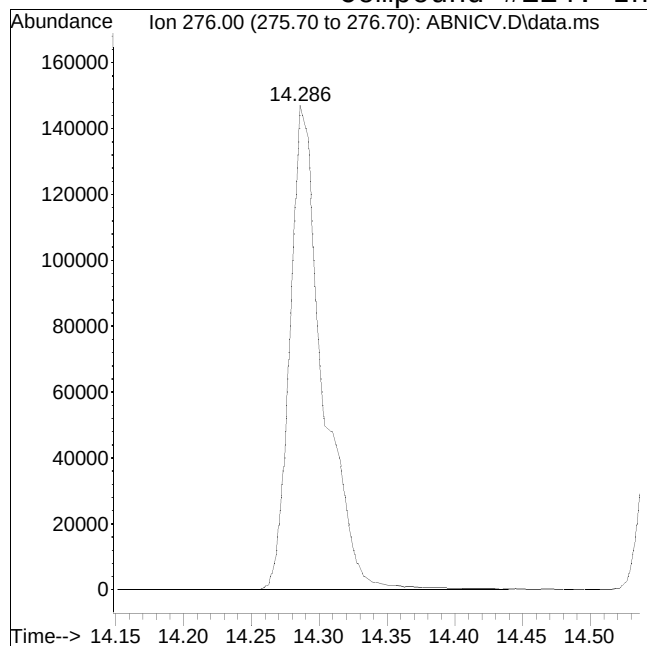
Manual Peak Response = 200232 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

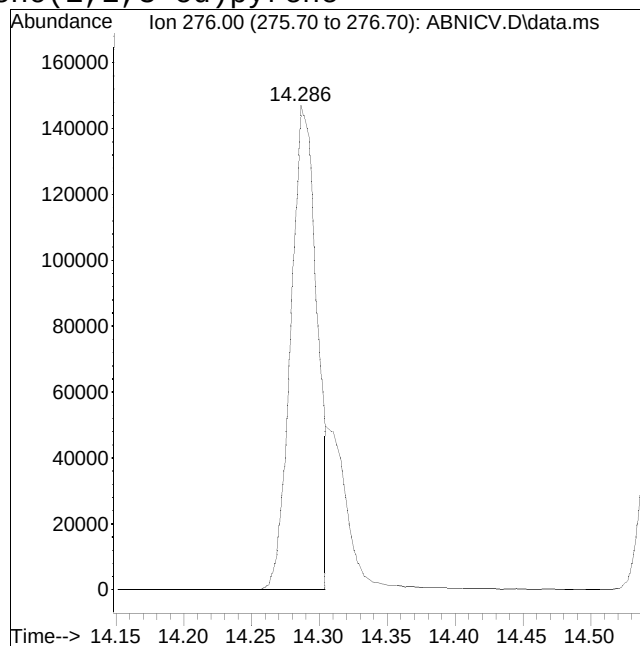
Data Path : I:\8270\SV112\250313RVT\data
Data File : ABNICV.D
Date Inj'd : 3/13/2025 8:37 pm
Sample : CQICV1,32,,ABNICV Lot# 114602
Method : FS250313SV112RVT.m
Operator : SV112:ljj
Instrument : SV112
Acq Date : 3/14/2025 11:20 am

Compound #114: Indeno(1,2,3-cd)pyrene



Original Peak Response = 247888

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Peak Response = 200063 M6

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV112\250313RVTical\
 Data File : AP9ICV.D
 Acq On : 13 Mar 2025 09:00 pm
 Operator : SV112:ljj
 Sample : CQICV2,32,,AP9ICV Lot# 11453
 Misc : WG2040627
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Mar 14 09:42:04 2025
 Quant Method : I:\8270\SV112\250313RVTical\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Mar 14 08:13:03 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

27 I	IS2_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	90	0.00
28 T	Benzaldehyde	0.954	1.194	-25.2#	111	0.00
29 T	Acetophenone	1.731	2.109	-21.8#	114	0.00
30 T	m-Toluidine	1.562	2.020	-29.3#	114	0.00
31 T	2-Chloroaniline	1.509	1.890	-25.2#	113	0.00
55 I	IS2_Naphthalene-d8	1.000	1.000	0.0	92	0.00
56 T	a-Terpineol	0.253	0.304	-20.2#	113	0.00
57 T	3-Chloroaniline	0.130	0.169	-30.0#	108	0.00
58 T	2,6-Dichlorophenol	0.285	0.350	-22.8#	116	0.00
59 T	1-chloro-2-nitrobenzene	0.138	0.162	-17.4	111	0.00
60 T	Caprolactam	* 5.000	5.099	-2.0	112	0.00
61 T	1,2,4,5-Tetrachlorobenzene	0.438	0.509	-16.2	108	0.00
62 T	Biphenyl	0.890	1.061	-19.2	112	0.00
83 I	IS2_Acenaphthene-d10	1.000	1.000	0.0	88	0.00
84 T	Dichloran	0.183	0.210	-14.8	109	0.00
85 T	Pentachloronitrobenzene	0.195	0.243	-24.6#	108	0.00
98 I	IS2_Phenanthrene-d10	1.000	1.000	0.0	86	0.00
99 T	Diphenamid	0.446	0.568	-27.4#	112	0.00

* Evaluation of CC level amount vs concentration.
 (#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250313RVTical\
 Data File : AP9ICV.D
 Acq On : 13 Mar 2025 09:00 pm
 Operator : SV112:ljj
 Sample : CQICV2,32,,AP9ICV Lot# 11453
 Misc : WG2040627
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Mar 14 09:42:04 2025
 Quant Method : I:\8270\SV112\250313RVTical\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Mar 14 08:13:03 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250313RVTical\AP9L6.D
 Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
27) IS2_1,4-Dichlorobenzen...	4.834	152	19900	4.000	ug/ml	0.00
Standard Area 1 = 22127			Recovery =	89.94%		
55) IS2_Naphthalene-d8	6.063	136	75903	4.000	ug/ml	0.00
Standard Area 1 = 82556			Recovery =	91.94%		
83) IS2_Acenaphthene-d10	7.763	164	45270	4.000	ug/ml	0.00
Standard Area 1 = 51609			Recovery =	87.72%		
98) IS2_Phenanthrene-d10	9.193	188	100235	4.000	ug/ml	# 0.00
Standard Area 1 = 116712			Recovery =	85.88%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	4.399	105	29690	6.259	ug/ml	97
29) Acetophenone	5.228	105	52450	6.090	ug/ml	97
30) m-Toluidine	5.310	106	50251	6.465	ug/ml	96
31) 2-Chloroaniline	5.669	127	47023	6.262	ug/ml	99
56) a-Terpineol	6.116	59	28851	6.013	ug/ml	95
57) 3-Chloroaniline	6.128	65	16057	6.486	ug/ml	97
58) 2,6-Dichlorophenol	6.157	162	33199	6.141	ug/ml	92
59) 1-chloro-2-nitrobenzene	6.410	111	15347	5.879	ug/ml	96
60) Caprolactam	6.446	55	15173	5.099	ug/ml	98
61) 1,2,4,5-Tetrachloroben...	6.928	216	48315	5.810	ug/ml	97
62) Biphenyl	7.222	154	100689	5.962	ug/ml	98
84) Dichloran	8.887	206	11911	5.737	ug/ml#	74
85) Pentachloronitrobenzene	9.040	237	13724	6.230	ug/ml#	83
99) Diphenamid	10.092	167	71119	6.369	ug/ml	88

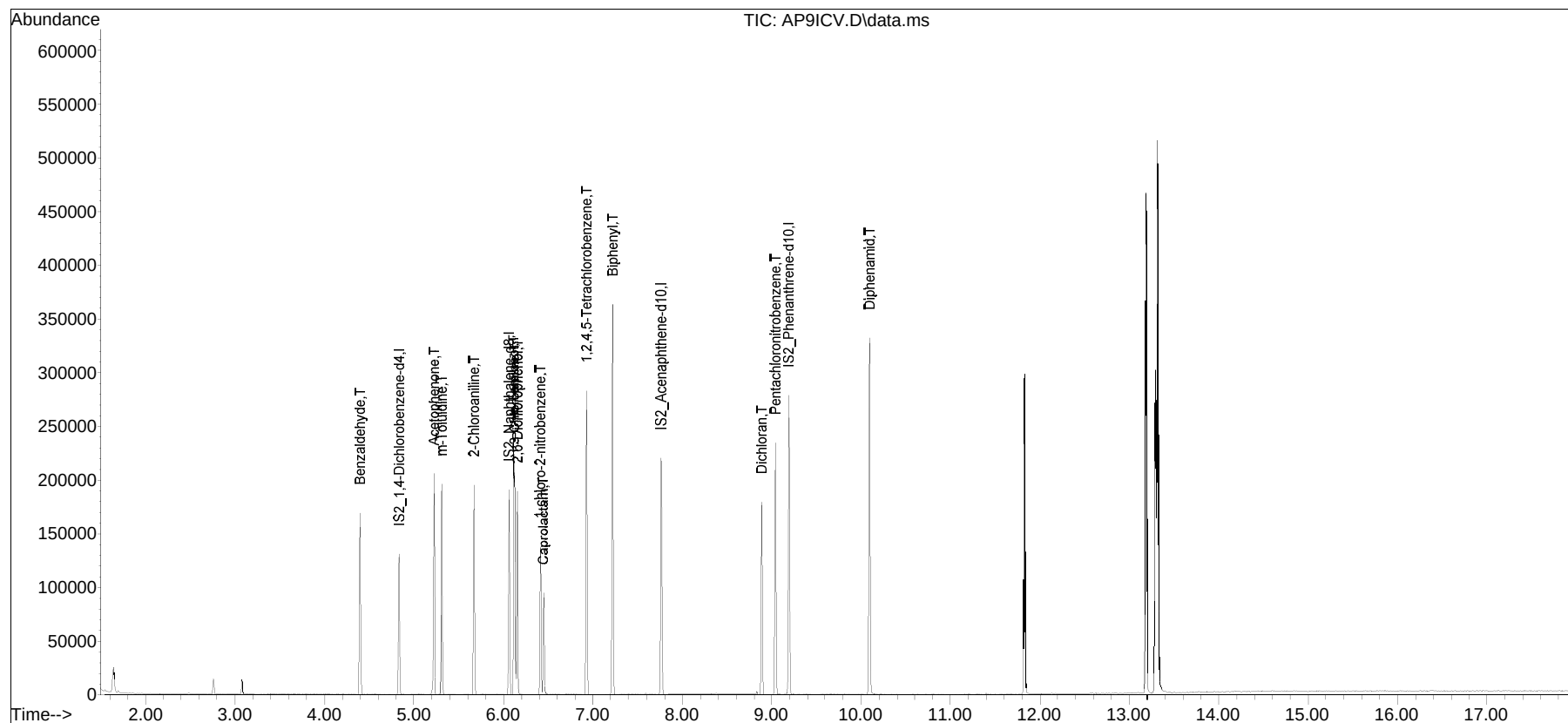
(#) = qualifier out of range (m) = manual integration (+) = signals summed

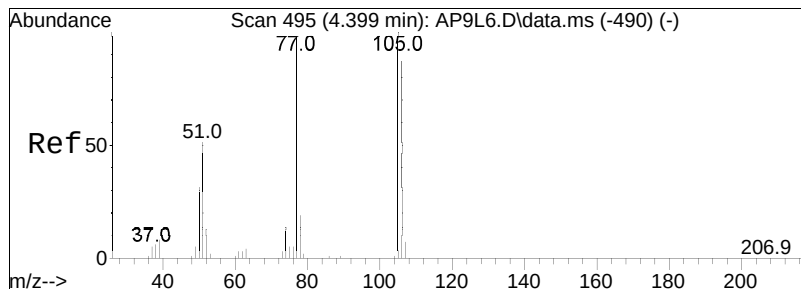
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250313RVTical\
 Data File : AP9ICV.D
 Acq On : 13 Mar 2025 09:00 pm
 Operator : SV112:ljj
 Sample : CQICV2,32,,AP9ICV Lot# 11453
 Misc : WG2040627
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Mar 14 09:42:04 2025
 Quant Method : I:\8270\SV112\250313RVTical\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Mar 14 08:13:03 2025
 Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublistTical\AP9L6.D•





#28

Benzaldehyde

Concen: 6.26 ug/ml

RT: 4.399 min Scan# 495

Delta R.T. -0.000 min

Lab File: AP9ICV.D

Acq: 13 Mar 2025 09:00 pm

Tgt Ion:105 Resp: 29690

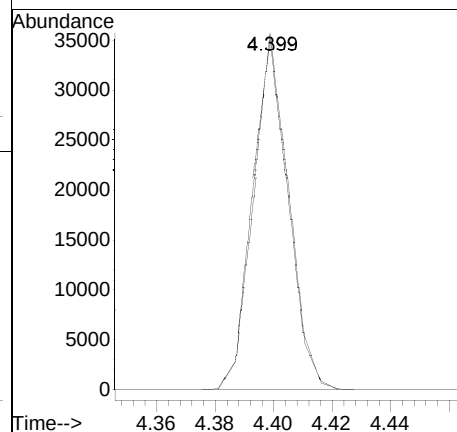
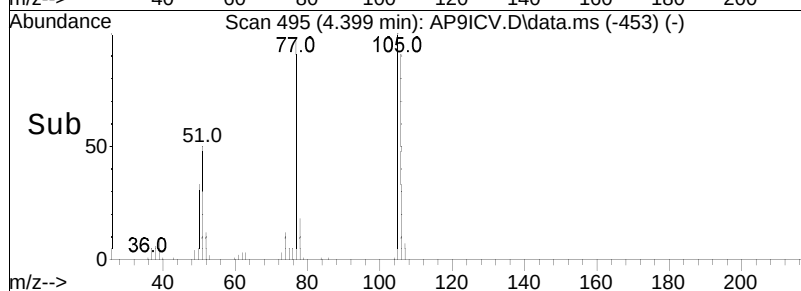
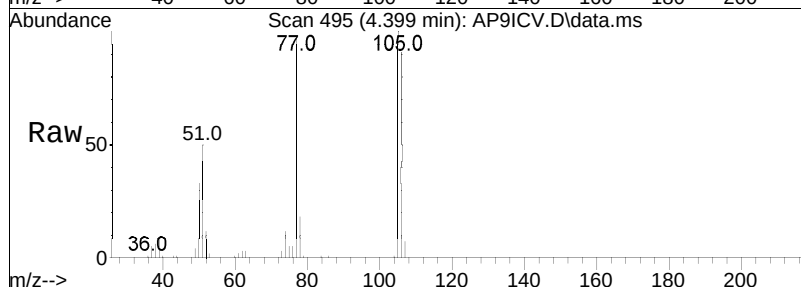
Ion Ratio Lower Upper

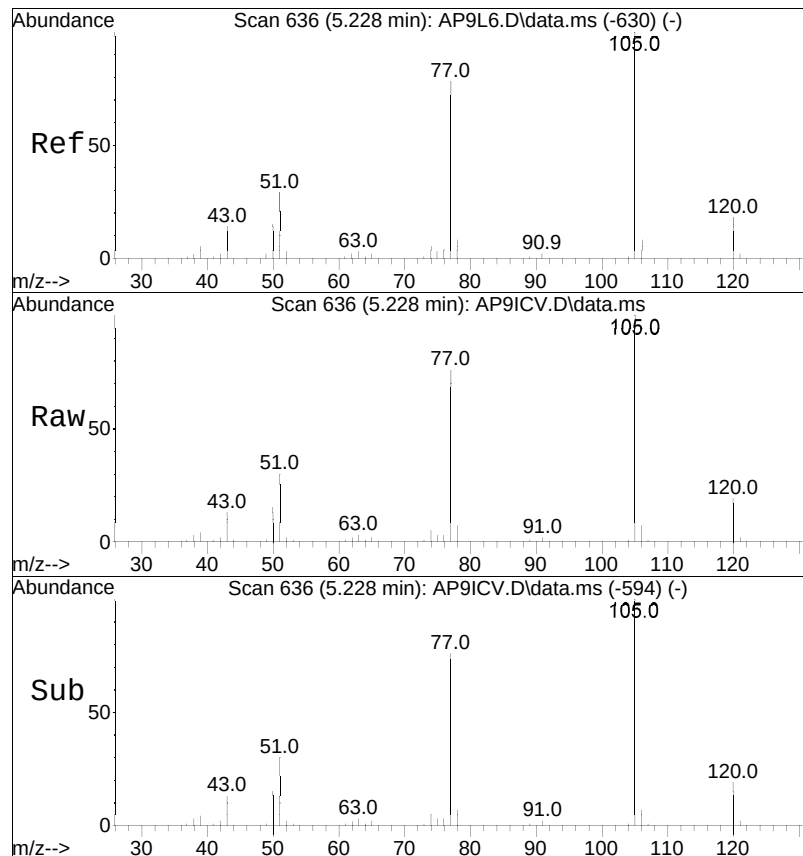
105 100

77 99.7

77.0

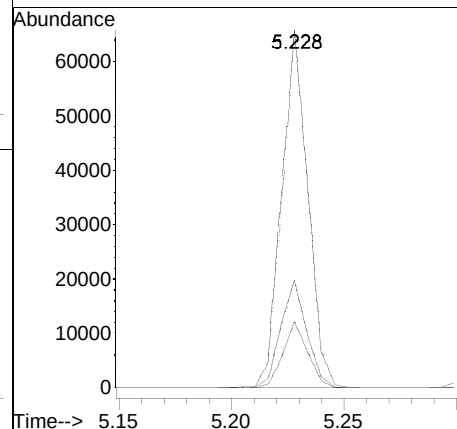
115.6

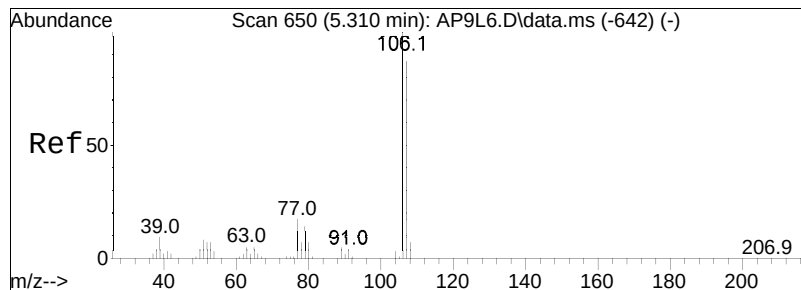




#29
 Acetophenone
 Concen: 6.09 ug/ml
 RT: 5.228 min Scan# 636
 Delta R.T. -0.000 min
 Lab File: AP9ICV.D
 Acq: 13 Mar 2025 09:00 pm

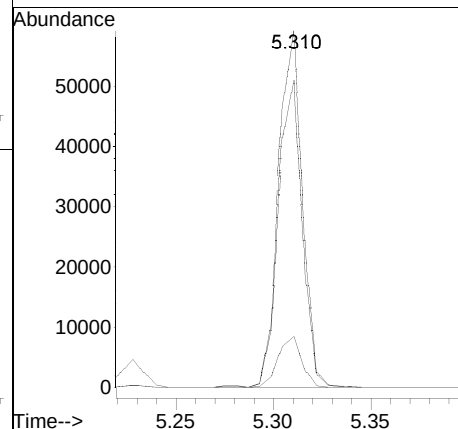
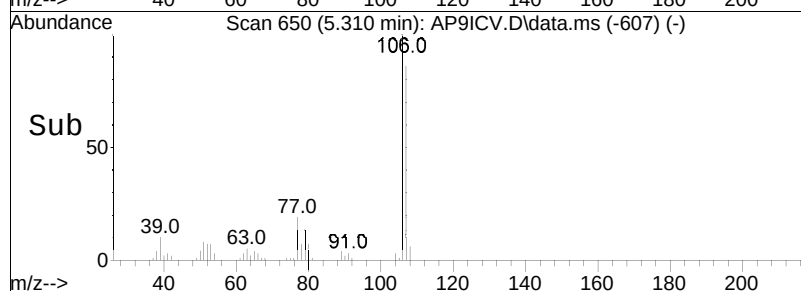
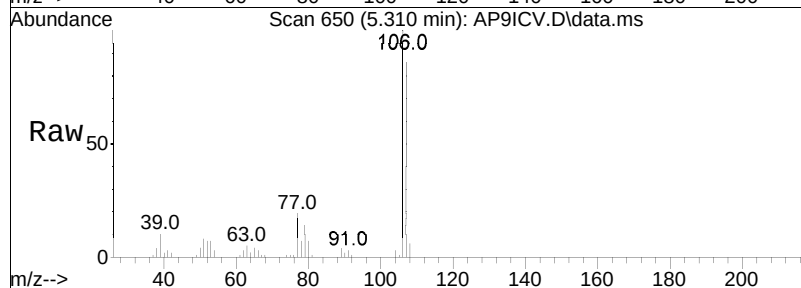
Tgt Ion:	105	Resp:	52450
Ion Ratio	Lower	Upper	
105	100		
120	17.7	15.2	22.8
51	30.3	23.1	34.7

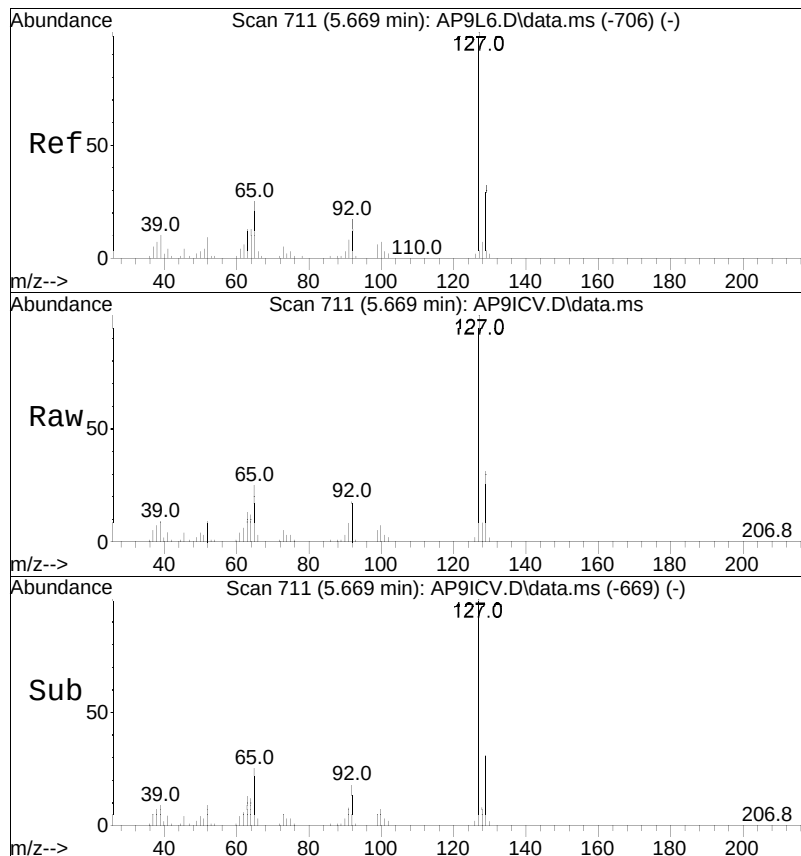




#30
 m-Toluidine
 Concen: 6.47 ug/ml
 RT: 5.310 min Scan# 650
 Delta R.T. 0.000 min
 Lab File: AP9ICV.D
 Acq: 13 Mar 2025 09:00 pm

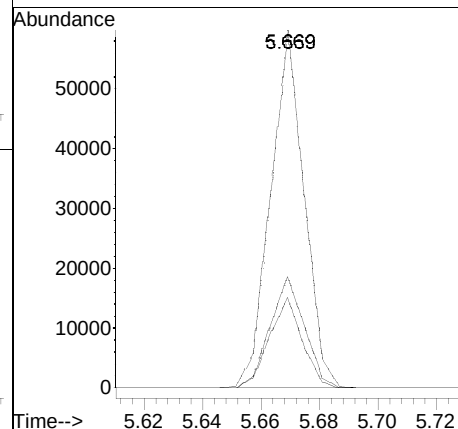
Tgt Ion	Ratio	Lower	Upper
106	100		
107	86.3	72.3	108.5
79	14.3	12.2	18.2

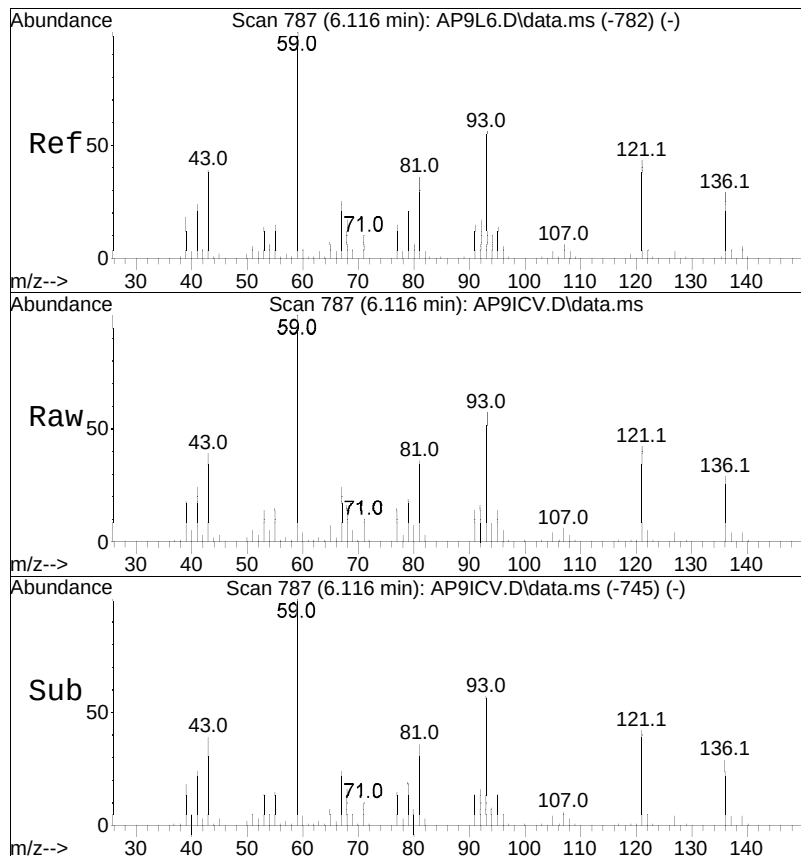




#31
 2-Chloroaniline
 Concen: 6.26 ug/ml
 RT: 5.669 min Scan# 711
 Delta R.T. -0.000 min
 Lab File: AP9ICV.D
 Acq: 13 Mar 2025 09:00 pm

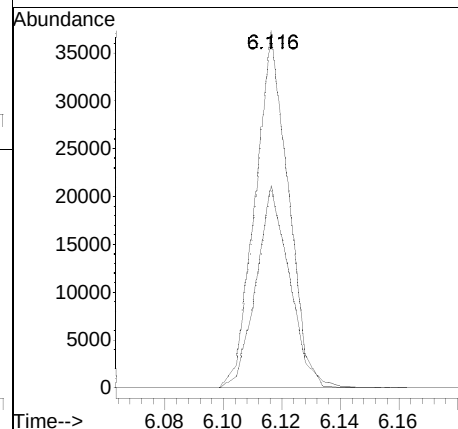
Tgt Ion	Ratio	Lower	Upper
127	100		
129	32.1	25.7	38.5
65	24.9	20.5	30.7

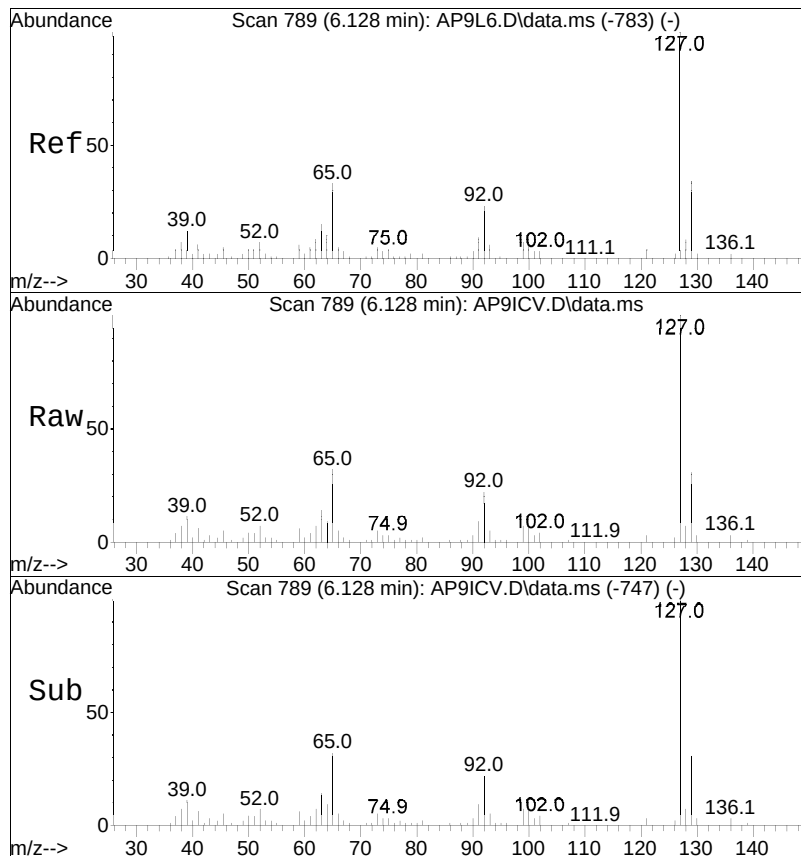




#56
a-Terpineol
Concen: 6.01 ug/ml
RT: 6.116 min Scan# 787
Delta R.T. -0.000 min
Lab File: AP9ICV.D
Acq: 13 Mar 2025 09:00 pm

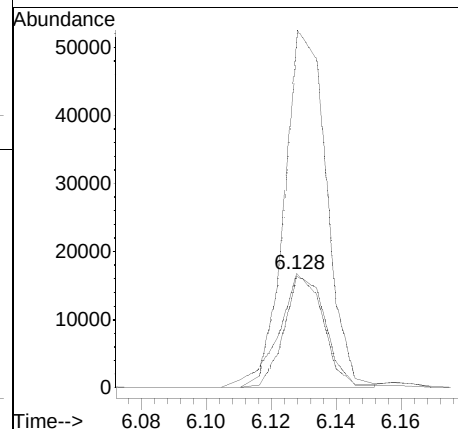
Tgt Ion	Ratio	Lower	Upper
59	100		
93	58.1	43.5	65.3

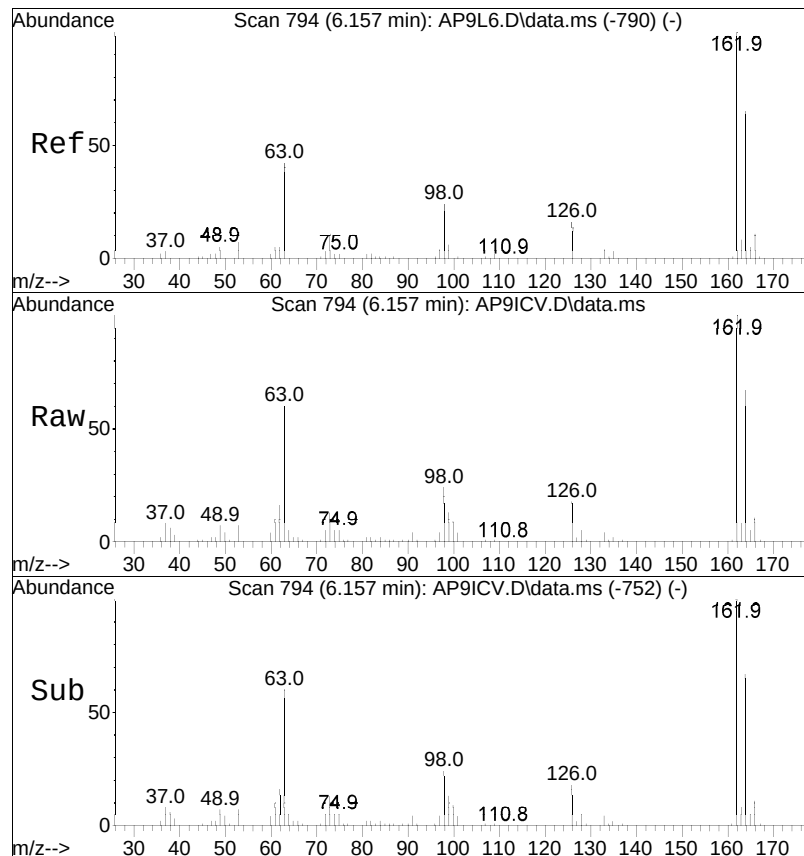




#57
 3-Chloroaniline
 Concen: 6.49 ug/ml
 RT: 6.128 min Scan# 789
 Delta R.T. -0.000 min
 Lab File: AP9ICV.D
 Acq: 13 Mar 2025 09:00 pm

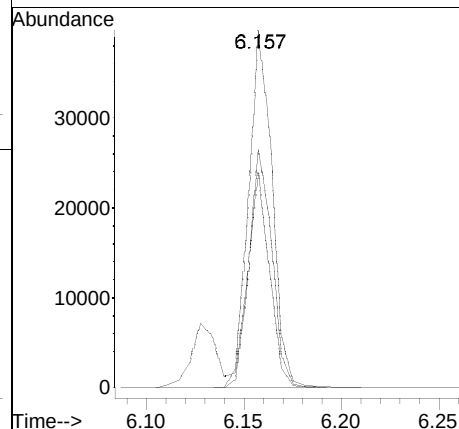
Tgt Ion	Ratio	Lower	Upper
65	100		
127	292.1	236.6	355.0
129	90.6	76.6	115.0

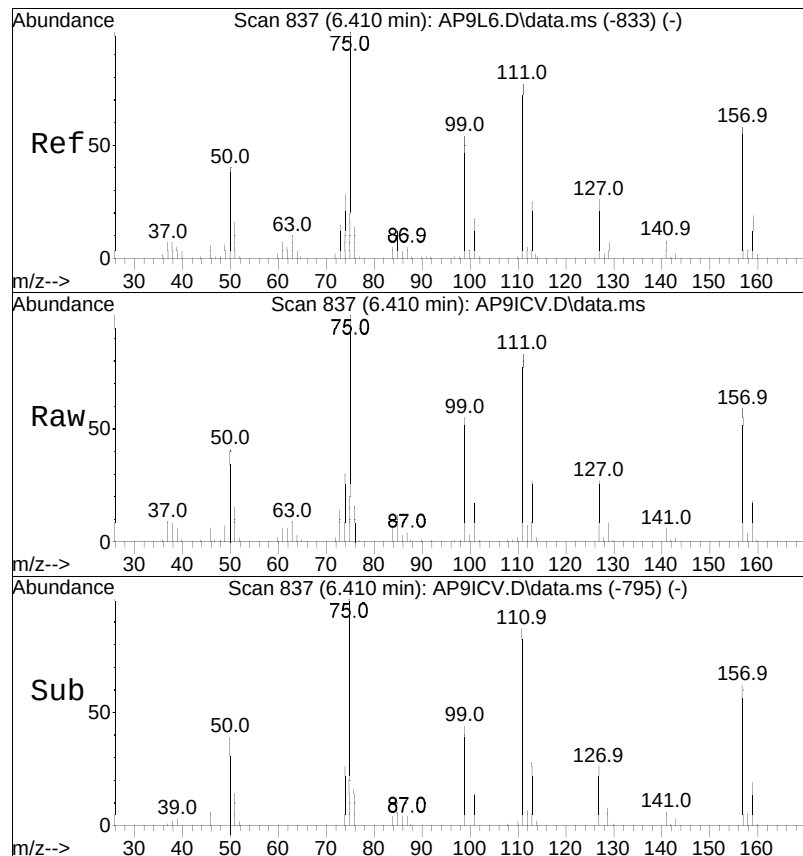




#58
 2,6-Dichlorophenol
 Concen: 6.14 ug/ml
 RT: 6.157 min Scan# 794
 Delta R.T. -0.000 min
 Lab File: AP9ICV.D
 Acq: 13 Mar 2025 09:00 pm

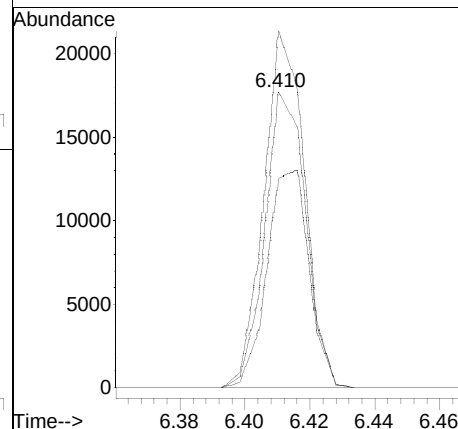
Tgt Ion:	162	Resp:	33199
Ion Ratio	Lower	Upper	
162	100		
164	64.3	50.8	76.2
63	55.7	53.6	80.4

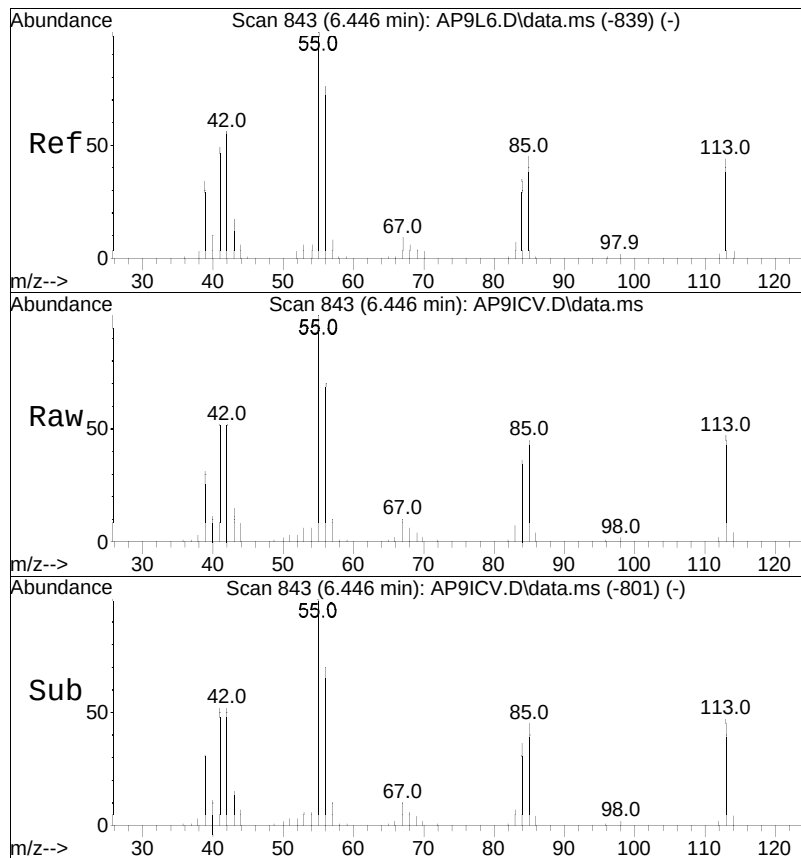




#59
 1-chloro-2-nitrobenzene
 Concen: 5.88 ug/ml
 RT: 6.410 min Scan# 837
 Delta R.T. -0.000 min
 Lab File: AP9ICV.D
 Acq: 13 Mar 2025 09:00 pm

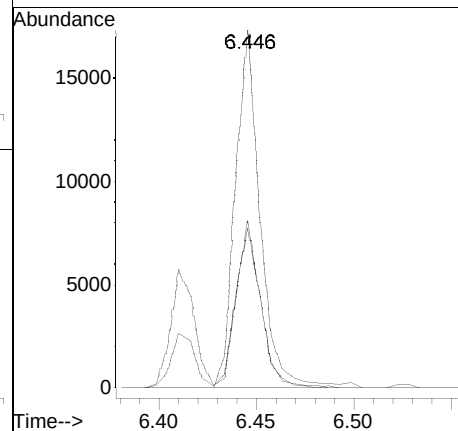
Tgt Ion	Ratio	Lower	Upper
111	100		
157	76.1	56.2	84.2
75	120.0	97.8	146.6

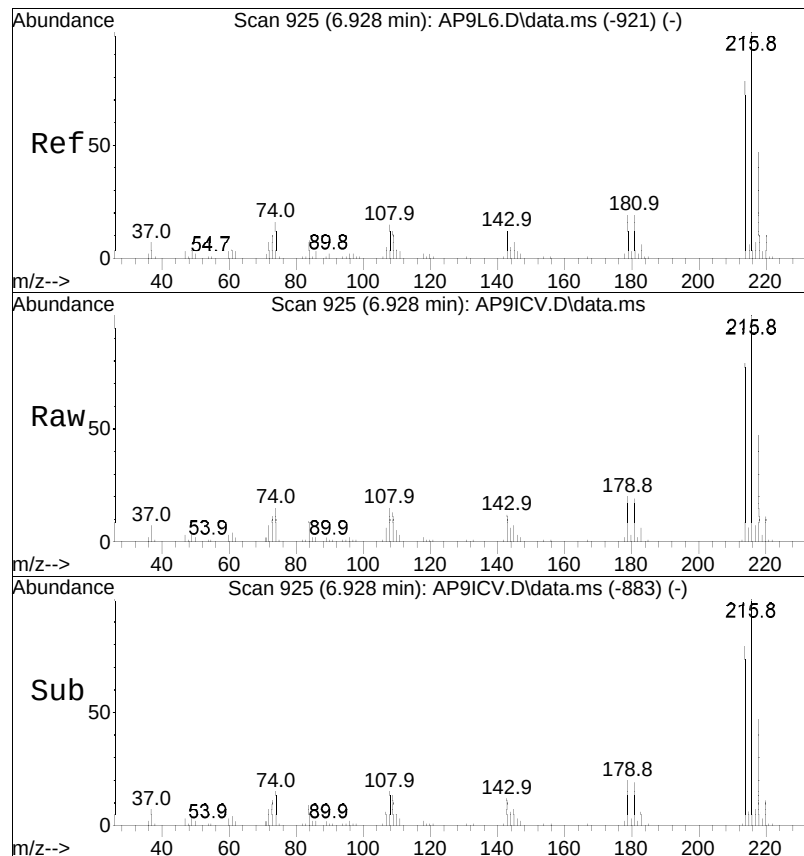




#60
 Caprolactam
 Concen: 5.10 ug/ml
 RT: 6.446 min Scan# 843
 Delta R.T. -0.000 min
 Lab File: AP9ICV.D
 Acq: 13 Mar 2025 09:00 pm

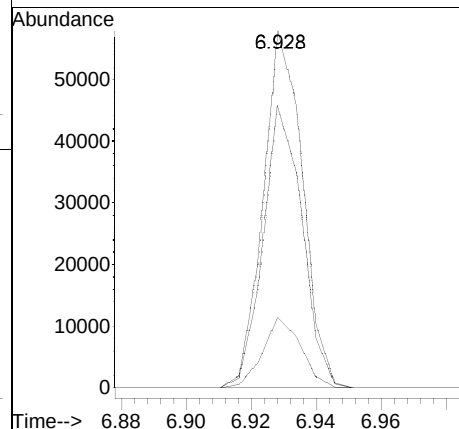
Tgt	Ion: 55	Resp:	15173
Ion	Ratio	Lower	Upper
55	100		
85	46.0	35.2	52.8
113	46.0	36.6	55.0

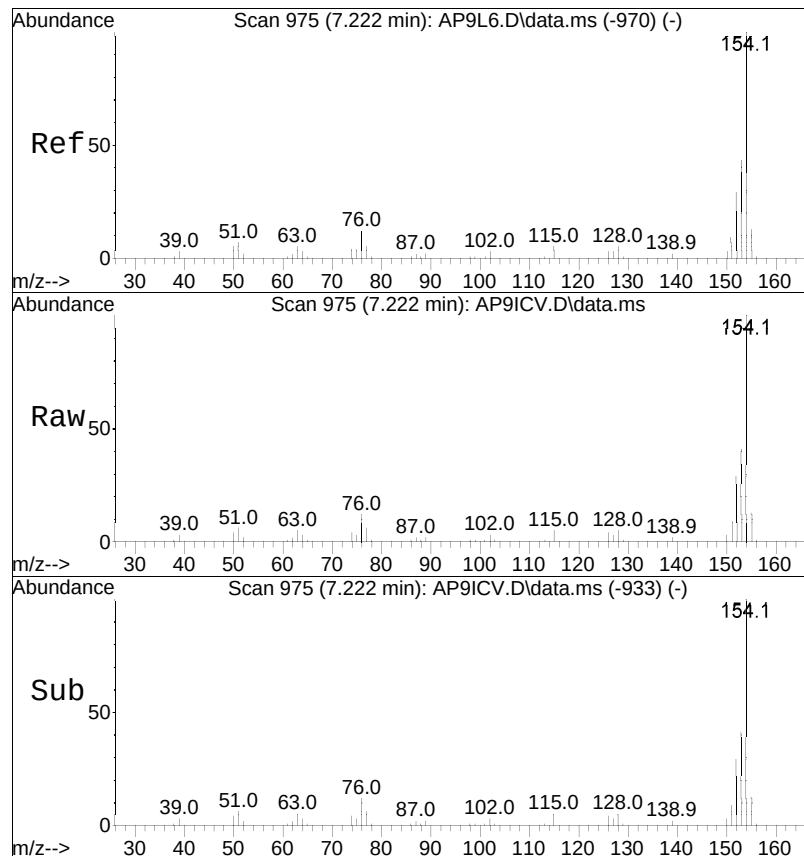




#61
 1,2,4,5-Tetrachlorobenzene
 Concen: 5.81 ug/ml
 RT: 6.928 min Scan# 925
 Delta R.T. -0.000 min
 Lab File: AP9ICV.D
 Acq: 13 Mar 2025 09:00 pm

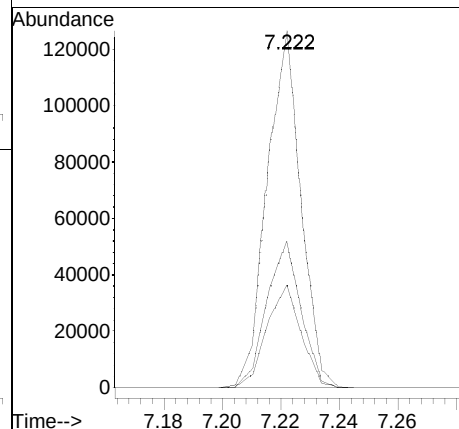
Tgt Ion:	216	Resp:	48315
Ion Ratio	Lower	Upper	
216	100		
214	78.3	64.0	96.0
179	19.2	18.7	28.1

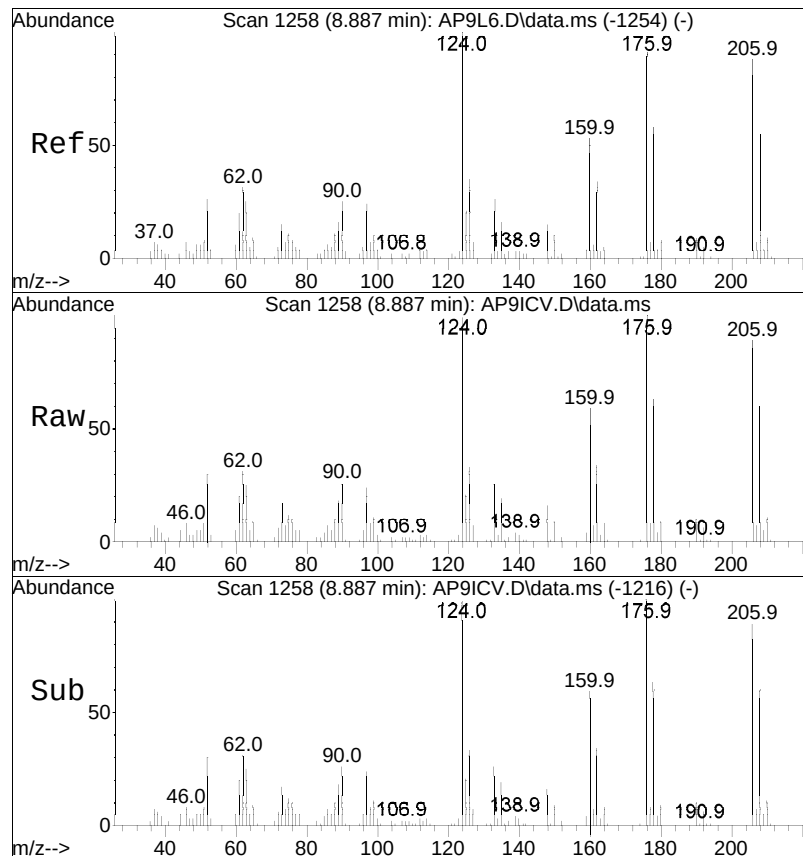




#62
 Biphenyl
 Concen: 5.96 ug/ml
 RT: 7.222 min Scan# 975
 Delta R.T. -0.000 min
 Lab File: AP9ICV.D
 Acq: 13 Mar 2025 09:00 pm

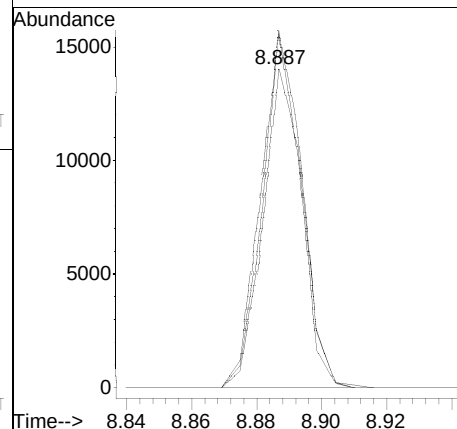
Tgt Ion:	154	Resp:	100689
Ion Ratio	Lower	Upper	
154	100		
153	41.9	32.5	48.7
152	29.5	22.6	34.0

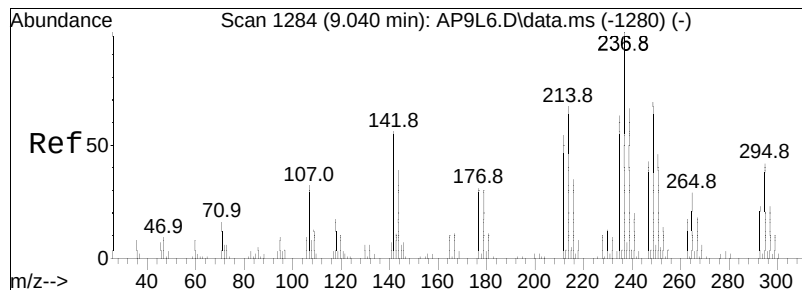




#84
 Dichloran
 Concen: 5.74 ug/ml
 RT: 8.887 min Scan# 1258
 Delta R.T. -0.000 min
 Lab File: AP9ICV.D
 Acq: 13 Mar 2025 09:00 pm

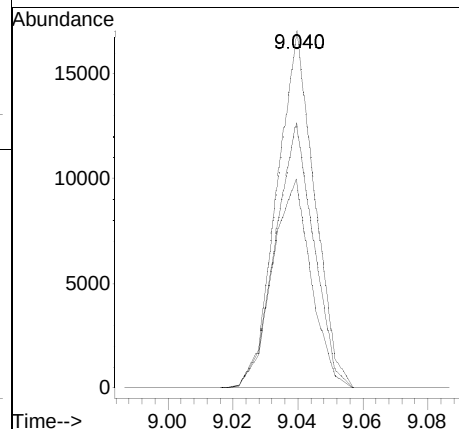
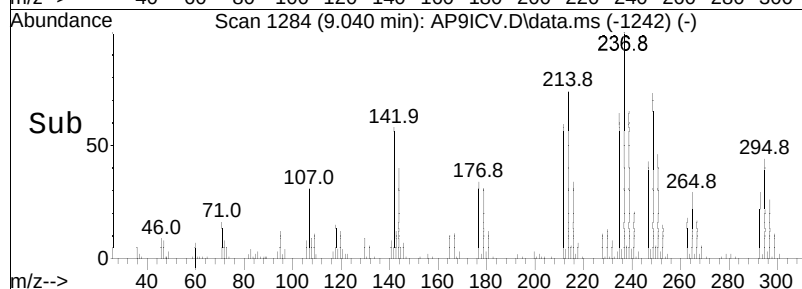
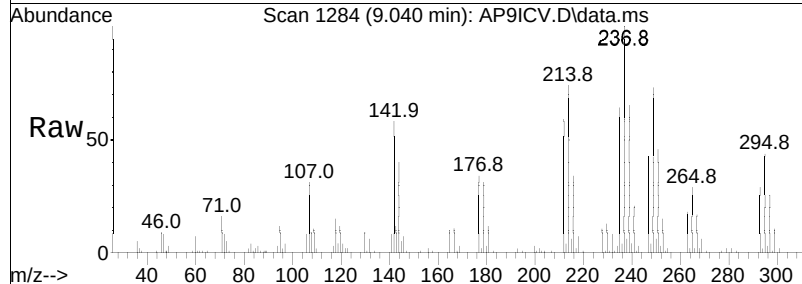
Tgt Ion	Ratio	Lower	Upper
206	100		
176	110.1	98.8	148.2
124	108.8	125.8	188.6#

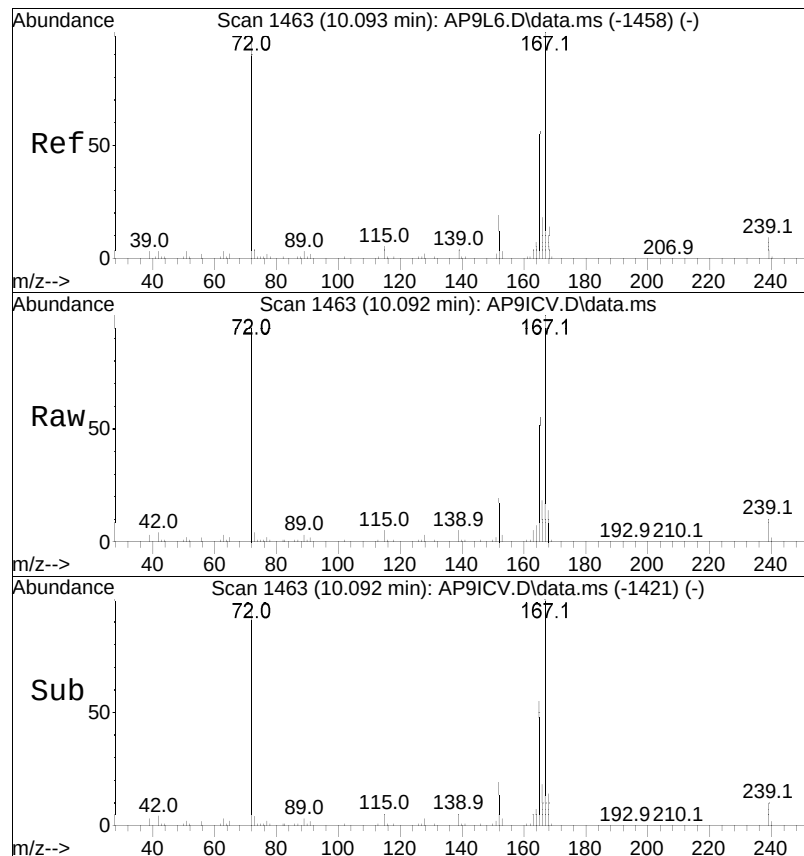




#85
 Pentachloronitrobenzene
 Concen: 6.23 ug/ml
 RT: 9.040 min Scan# 1284
 Delta R.T. -0.000 min
 Lab File: AP9ICV.D
 Acq: 13 Mar 2025 09:00 pm

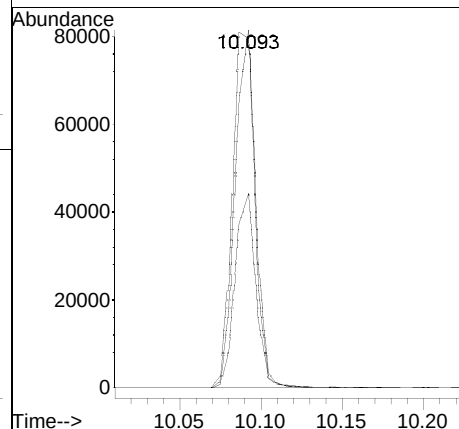
Tgt Ion	Ratio	Lower	Upper
237	100		
142	60.2	70.3	105.5#
214	75.5	59.4	89.2





#99
 Diphenamid
 Concen: 6.37 ug/ml
 RT: 10.092 min Scan# 1463
 Delta R.T. -0.000 min
 Lab File: AP9ICV.D
 Acq: 13 Mar 2025 09:00 pm

Tgt Ion	Ratio	Lower	Upper
167	100		
72	107.8	98.9	148.3
165	56.1	40.4	60.6



Manual Integration Report

Data Path : I:\8270\SV112\250313RVTical\Method : FS250313SV112RVT.m
Data File : AP9ICV.D Operator : SV112:ljb
Date Inj'd : 3/13/2025 9:00 pm Instrument : SV112
Sample : CQICV2,32,,AP9ICV Lot# 114088ant Date : 3/14/2025 8:32 am

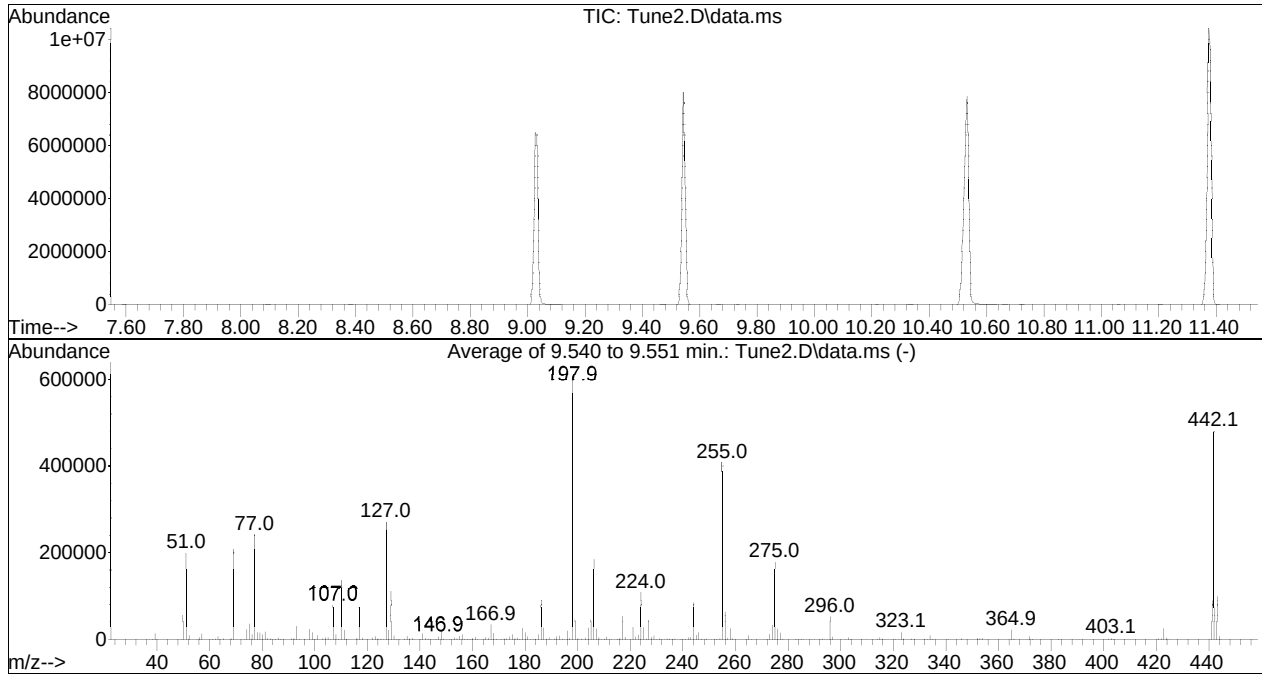
There are no manual integrations or false positives in this file.

DFTPP

Data Path : I:\8270\SV112\250313RVTical\
 Data File : Tune2.D
 Acq On : 13 Mar 2025 09:22 pm
 Operator : SV112:ljg
 Sample : Tune Lot#11459
 Misc : WG2040627
 ALS Vial : 141 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270\SV112\250313RVTical\FS250313SV112RVT.m
 Title : Semivolatiles by GC/MS by modified 8270
 Last Update : Fri Mar 14 09:19:55 2025



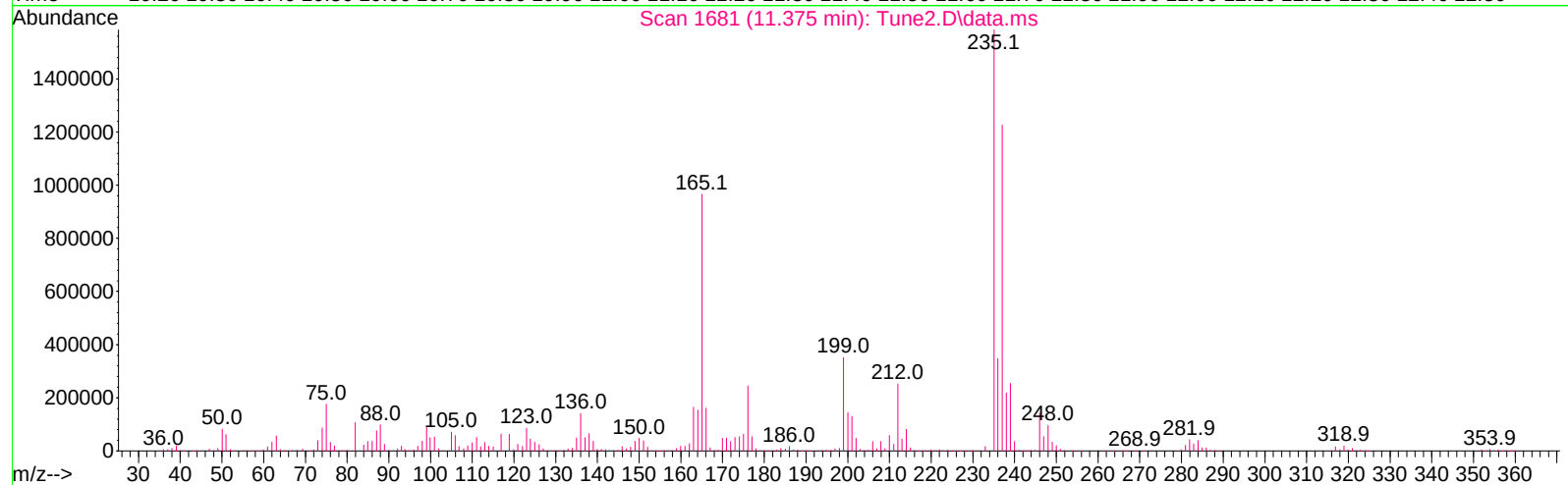
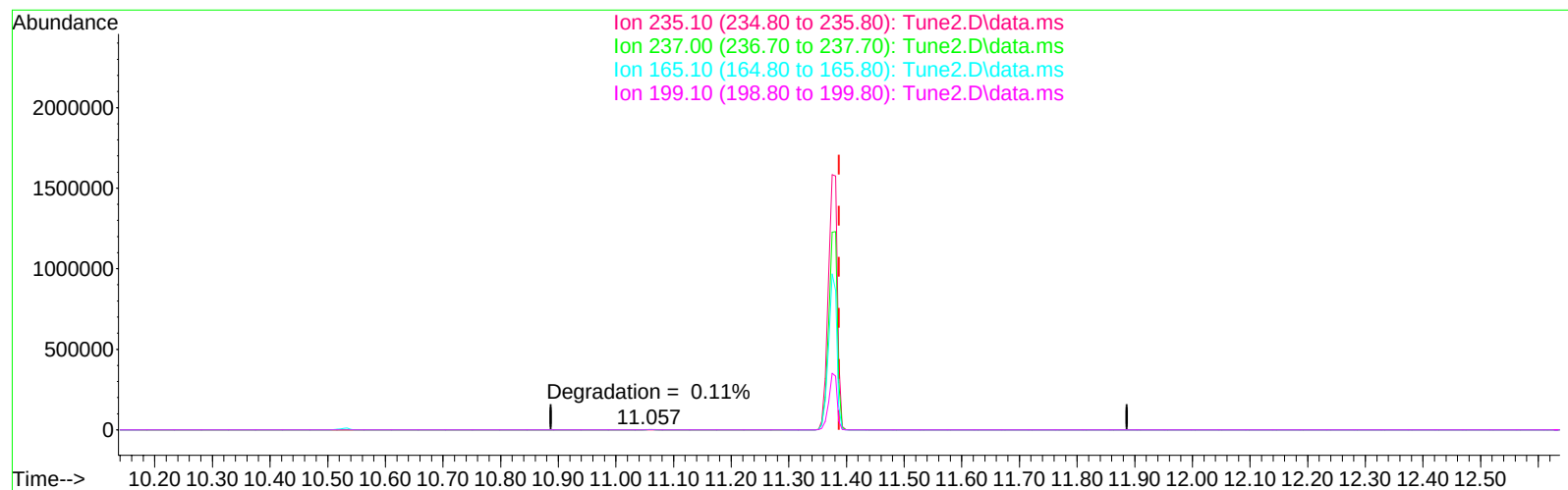
Spectrum Information: Average of 9.540 to 9.551 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	32.6	198509	PASS
68	69	0.00	2	1.7	3429	PASS
69	69	100	100	100.0	206485	PASS
70	69	0.00	2	0.5	1005	PASS
127	198	10	80	44.4	270221	PASS
197	198	0.00	2	0.7	4354	PASS
198	198	100	100	100.0	608427	PASS
199	198	5	9	7.5	45421	PASS
275	198	10	60	29.3	178384	PASS
365	198	1	100	3.6	22095	PASS
441	442	0.01	24	18.2	87557	PASS
442	198	50	100	79.0	480875	PASS
443	442	15	24	20.5	98723	PASS

Quantitation Report (Qedit)

Data Path : I:\8270\SV112\250313RVTical\
 Data File : Tune2.D
 Acq On : 13 Mar 2025 09:22 pm
 Operator : SV112:ljj
 Sample : Tune Lot#11459
 Misc : WG2040627
 ALS Vial : 141 Sample Multiplier: 1

Quant Time: Mar 14 07:51:39 2025
 Quant Method : I:\8270\SV112\250313RVTical\DftppSV112.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Feb 26 15:45:52 2025
 Response via : Initial Calibration



CHROMtools™ [Tune Lot#11459]

(6) DDT (T)

11.375min (-0.012) 0.00

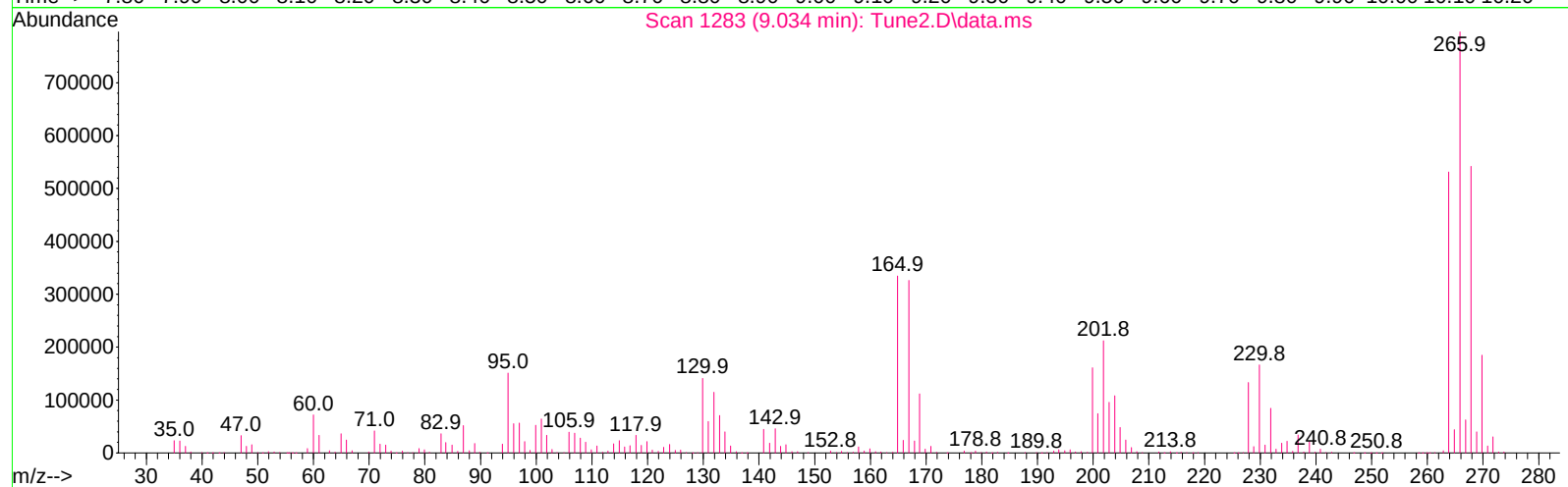
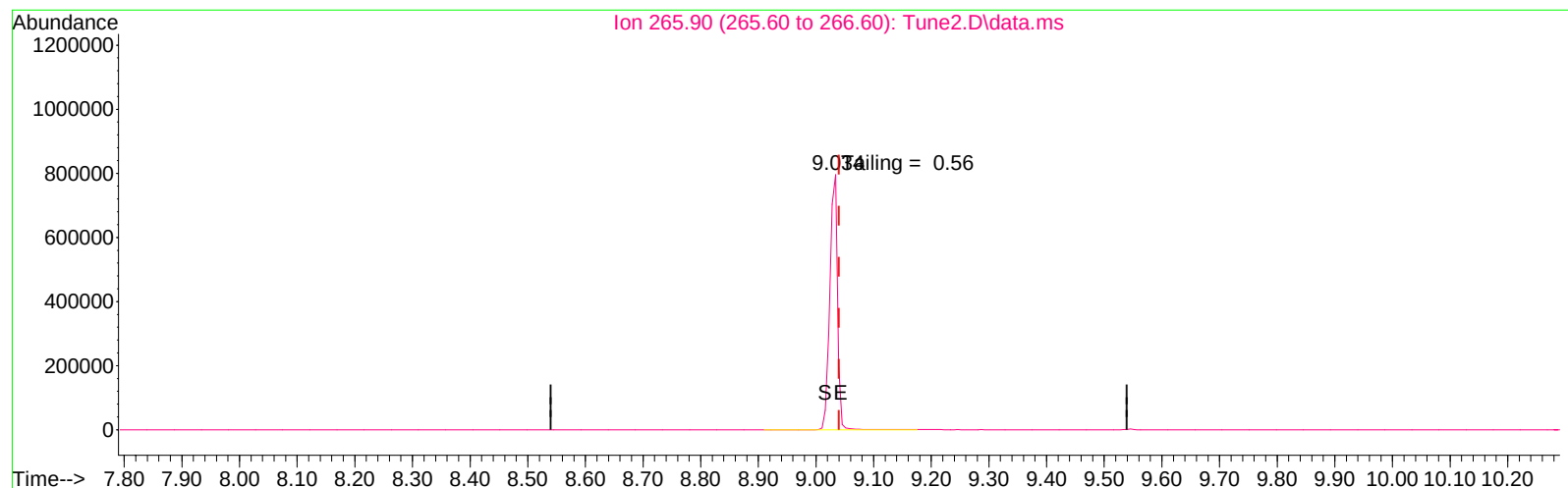
response 1754691

Ion	Exp%	Act%
235.10	100.00	100.00
237.00	71.30	73.97
165.10	47.10	54.93
199.10	16.40	19.72

Quantitation Report (Qedit)

Data Path : I:\8270\SV112\250313RVTical\
 Data File : Tune2.D
 Acq On : 13 Mar 2025 09:22 pm
 Operator : SV112:ljj
 Sample : Tune Lot#11459
 Misc : WG2040627
 ALS Vial : 141 Sample Multiplier: 1

Quant Time: Mar 14 07:51:39 2025
 Quant Method : I:\8270\SV112\250313RVTical\DftppSV112.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Feb 26 15:45:52 2025
 Response via : Initial Calibration



CHROMtools™ [Tune Lot#11459]

(1) Pentachlorophenol (T)

9.034min (-0.006) 0.00

response 741927

Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Duplicate Retention Times

(5) DDD 235.00

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250313RVTical\
 Data File : ADPL9.D
 Acq On : 13 Mar 2025 09:45 pm
 Operator : SV112:ljb
 Sample : IL2,32,,ADPL50 Lot# 11443
 Misc : WG2040627
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Mar 14 08:11:45 2025
 Quant Method : I:\8270\SV112\250313RVTical\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Mar 14 07:58:18 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250313RVTical\ADPL6.D
 Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.834	152	20391	4.000	ug/ml	0.00
Standard Area 1 = 22545			Recovery =	90.45%		
86) IS3_Acenaphthene-d10	7.763	164	46305	4.000	ug/ml	0.00
Standard Area 1 = 49125			Recovery =	94.26%		
100) IS3_Phenanthrene-d10	9.193	188	103186	4.000	ug/ml	# 0.00
Standard Area 1 = 112339			Recovery =	91.85%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
33) 1,4-Dioxane	1.928	88	121764	55.179	ug/ml#	81
34) n-Decane	4.716	57	341418	54.700	ug/ml#	90
87) Atrazine	8.969	200	314659	63.073	ug/ml	96
101) n-Octadecane	9.163	57	555540	60.562	ug/ml	89
102) Parathion	9.975	109	179709	80.901	ug/ml#	90
103) 3,3'-Dimethylbenzidine	11.263	212	1264591	73.279	ug/ml	94

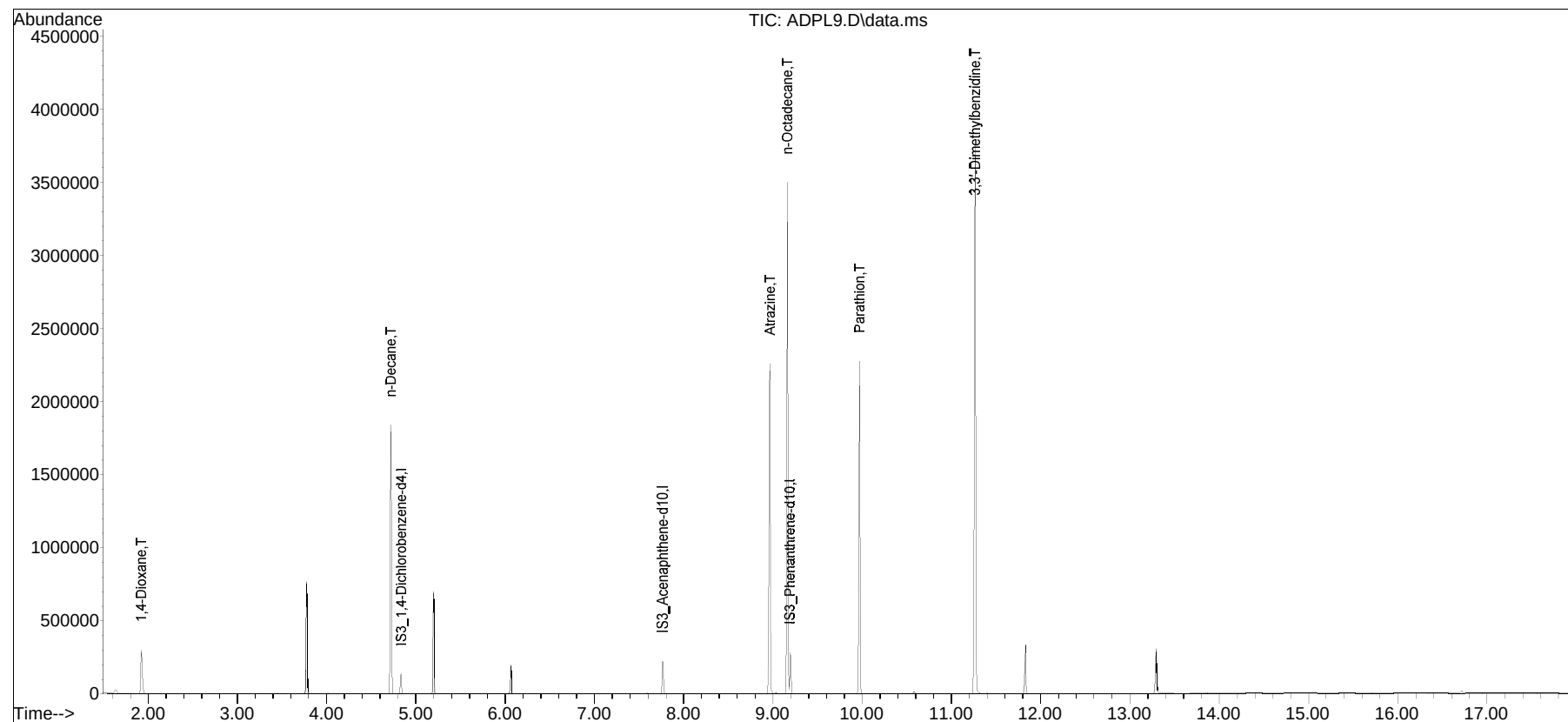
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250313RVTical\
Data File : ADPL9.D
Acq On : 13 Mar 2025 09:45 pm
Operator : SV112:ljg
Sample : IL2,32,,ADPL50 Lot# 11443
Misc : WG2040627
ALS Vial : 21 Sample Multiplier: 1

Quant Time: Mar 14 08:11:45 2025
Quant Method : I:\8270\SV112\250313RVTical\FS250313SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Mar 14 07:58:18 2025
Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistTical\ADPL6.D•



Manual Integration Report

Data Path : I:\8270\SV112\250313RVTical\Method : FS250313SV112RVT.m
Data File : ADPL9.D Operator : SV112:lvg
Date Inj'd : 3/13/2025 9:45 pm Instrument : SV112
Sample : IL2,32,,ADPL50 Lot# 11443 Quant Date : 3/14/2025 8:02 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250313RVTical\
 Data File : ADPL8.D
 Acq On : 13 Mar 2025 10:08 pm
 Operator : SV112:ljb
 Sample : IL3,32,,ADPL25 Lot# 11444
 Misc : WG2040627
 ALS Vial : 22 Sample Multiplier: 1

Quant Time: Mar 14 08:10:49 2025
 Quant Method : I:\8270\SV112\250313RVTical\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Mar 14 07:58:18 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250313RVTical\ADPL6.D
 Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.834	152	20103	4.000	ug/ml	0.00
Standard Area 1 = 22545			Recovery =	89.17%		
86) IS3_Acenaphthene-d10	7.763	164	46541	4.000	ug/ml	0.00
Standard Area 1 = 49125			Recovery =	94.74%		
100) IS3_Phenanthrene-d10	9.193	188	104995	4.000	ug/ml	# 0.00
Standard Area 1 = 112339			Recovery =	93.46%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
33) 1,4-Dioxane	1.928	88	68311	31.400	ug/ml#	82
34) n-Decane	4.716	57	193273	31.409	ug/ml#	89
87) Atrazine	8.963	200	176092	35.119	ug/ml	98
101) n-Octadecane	9.163	57	320907	34.381	ug/ml	90
102) Parathion	9.969	109	95866	42.413	ug/ml#	90
103) 3,3'-Dimethylbenzidine	11.257	212	730921	41.625	ug/ml	97

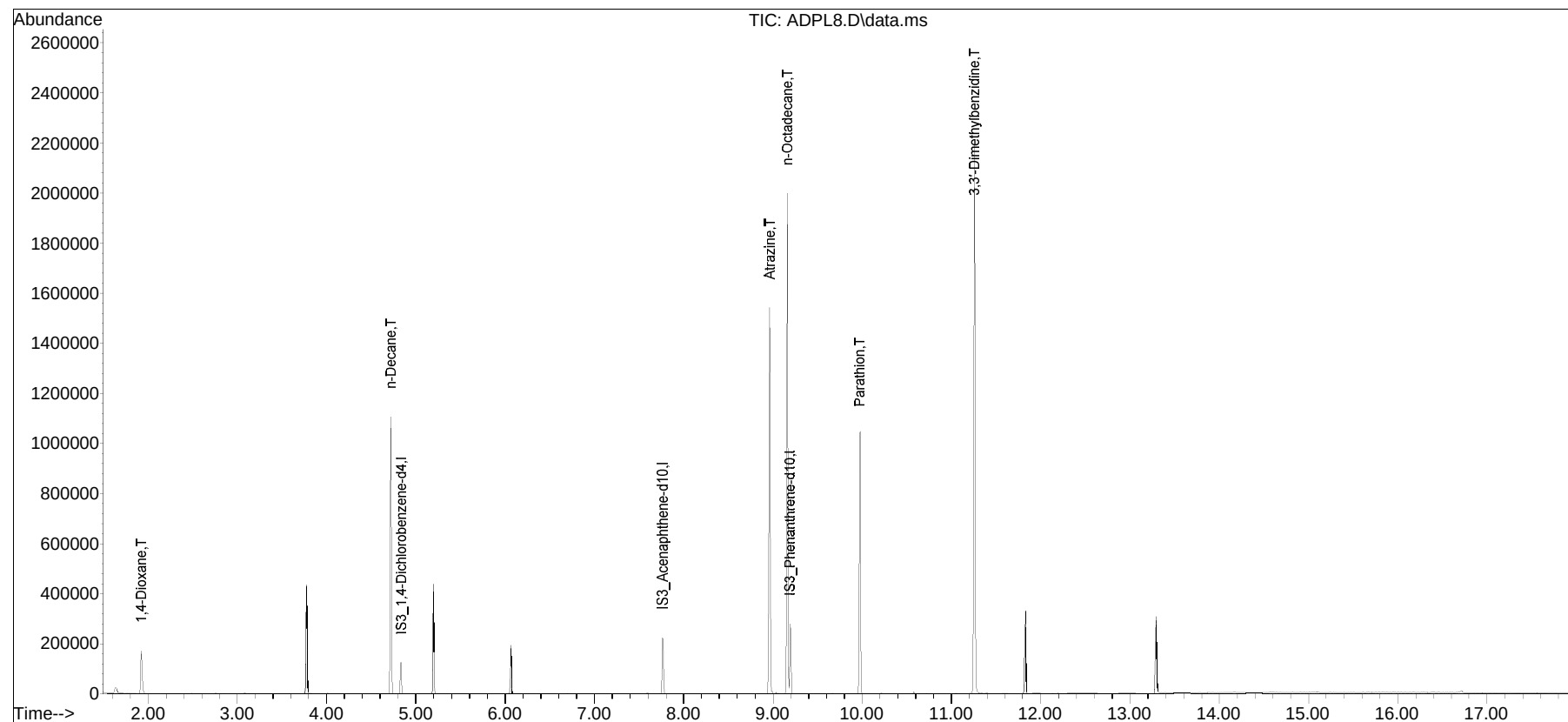
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250313RVTical\
 Data File : ADPL8.D
 Acq On : 13 Mar 2025 10:08 pm
 Operator : SV112:ljg
 Sample : IL3,32,,ADPL25 Lot# 11444
 Misc : WG2040627
 ALS Vial : 22 Sample Multiplier: 1

Quant Time: Mar 14 08:10:49 2025
 Quant Method : I:\8270\SV112\250313RVTical\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Mar 14 07:58:18 2025
 Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistTical\ADPL6.D•



Manual Integration Report

Data Path : I:\8270\SV112\250313RVTical\Method : FS250313SV112RVT.m
Data File : ADPL8.D Operator : SV112:ljb
Date Inj'd : 3/13/2025 10:08 pm Instrument : SV112
Sample : IL3,32,,ADPL25 Lot# 11444 Quant Date : 3/14/2025 8:02 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250313RVTical\
 Data File : ADPL7.D
 Acq On : 13 Mar 2025 10:31 pm
 Operator : SV112:ljb
 Sample : IL4,32,,ADPL10 Lot# 11445
 Misc : WG2040627
 ALS Vial : 23 Sample Multiplier: 1

Quant Time: Mar 14 08:10:08 2025
 Quant Method : I:\8270\SV112\250313RVTical\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Mar 14 07:58:18 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250313RVTical\ADPL6.D
 Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.834	152	22131	4.000	ug/ml	0.00
Standard Area 1 = 22545			Recovery =	98.16%		
86) IS3_Acenaphthene-d10	7.763	164	47840	4.000	ug/ml	0.00
Standard Area 1 = 49125			Recovery =	97.38%		
100) IS3_Phenanthrene-d10	9.193	188	110507	4.000	ug/ml	# 0.00
Standard Area 1 = 112339			Recovery =	98.37%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
33) 1,4-Dioxane	1.934	88	25064	10.465	ug/ml#	84
34) n-Decane	4.716	57	69691	10.288	ug/ml#	88
87) Atrazine	8.957	200	56048	10.874	ug/ml	98
101) n-Octadecane	9.163	57	108679	11.063	ug/ml	91
102) Parathion	9.969	109	27770	11.673	ug/ml#	89
103) 3,3'-Dimethylbenzidine	11.257	212	223305	12.083	ug/ml	99

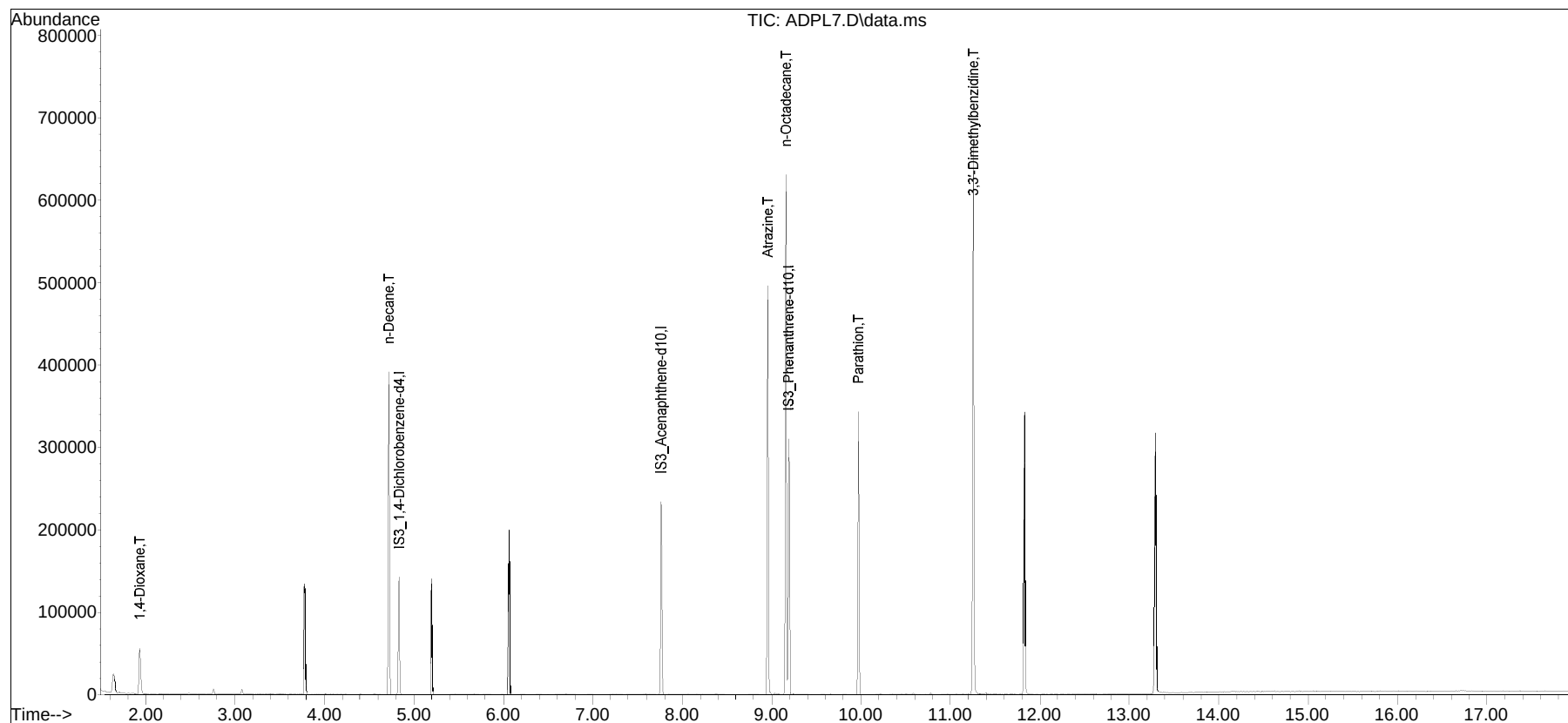
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250313RVTical\
 Data File : ADPL7.D
 Acq On : 13 Mar 2025 10:31 pm
 Operator : SV112:ljg
 Sample : IL4,32,,ADPL10 Lot# 11445
 Misc : WG2040627
 ALS Vial : 23 Sample Multiplier: 1

Quant Time: Mar 14 08:10:08 2025
 Quant Method : I:\8270\SV112\250313RVTical\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Mar 14 07:58:18 2025
 Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistTical\ADPL6.D•



Manual Integration Report

Data Path : I:\8270\SV112\250313RVTical\Method : FS250313SV112RVT.m
Data File : ADPL7.D Operator : SV112:ljpg
Date Inj'd : 3/13/2025 10:31 pm Instrument : SV112
Sample : IL4,32,,ADPL10 Lot# 11445 Quant Date : 3/14/2025 8:02 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250313RVTical\
 Data File : ADPL6.D
 Acq On : 13 Mar 2025 10:53 pm
 Operator : SV112:ljb
 Sample : IL5,32,,ADPL5 Lot# 11446
 Misc : WG2040627
 ALS Vial : 24 Sample Multiplier: 1

Quant Time: Mar 14 07:57:37 2025
 Quant Method : I:\8270\SV112\250313RVTical\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Mar 14 07:58:21 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250313RVTical\ADPL6.D
 Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.834	152	22545	4.000	ug/ml	0.00
Standard Area 1 = 22545			Recovery =	100.00%		
86) IS3_Acenaphthene-d10	7.763	164	49125	4.000	ug/ml	0.00
Standard Area 1 = 49125			Recovery =	100.00%		
100) IS3_Phenanthrene-d10	9.193	188	112339	4.000	ug/ml	# 0.00
Standard Area 1 = 112339			Recovery =	100.00%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
33) 1,4-Dioxane	1.934	88	12199	5.000	ug/ml#	79
34) n-Decane	4.716	57	34505	5.000	ug/ml#	87
87) Atrazine	8.957	200	26463	5.000	ug/ml	97
101) n-Octadecane	9.163	57	49934	5.000	ug/ml	90
102) Parathion	9.969	109	12092	5.000	ug/ml#	88
103) 3,3'-Dimethylbenzidine	11.257	212	93940	5.000	ug/ml	99

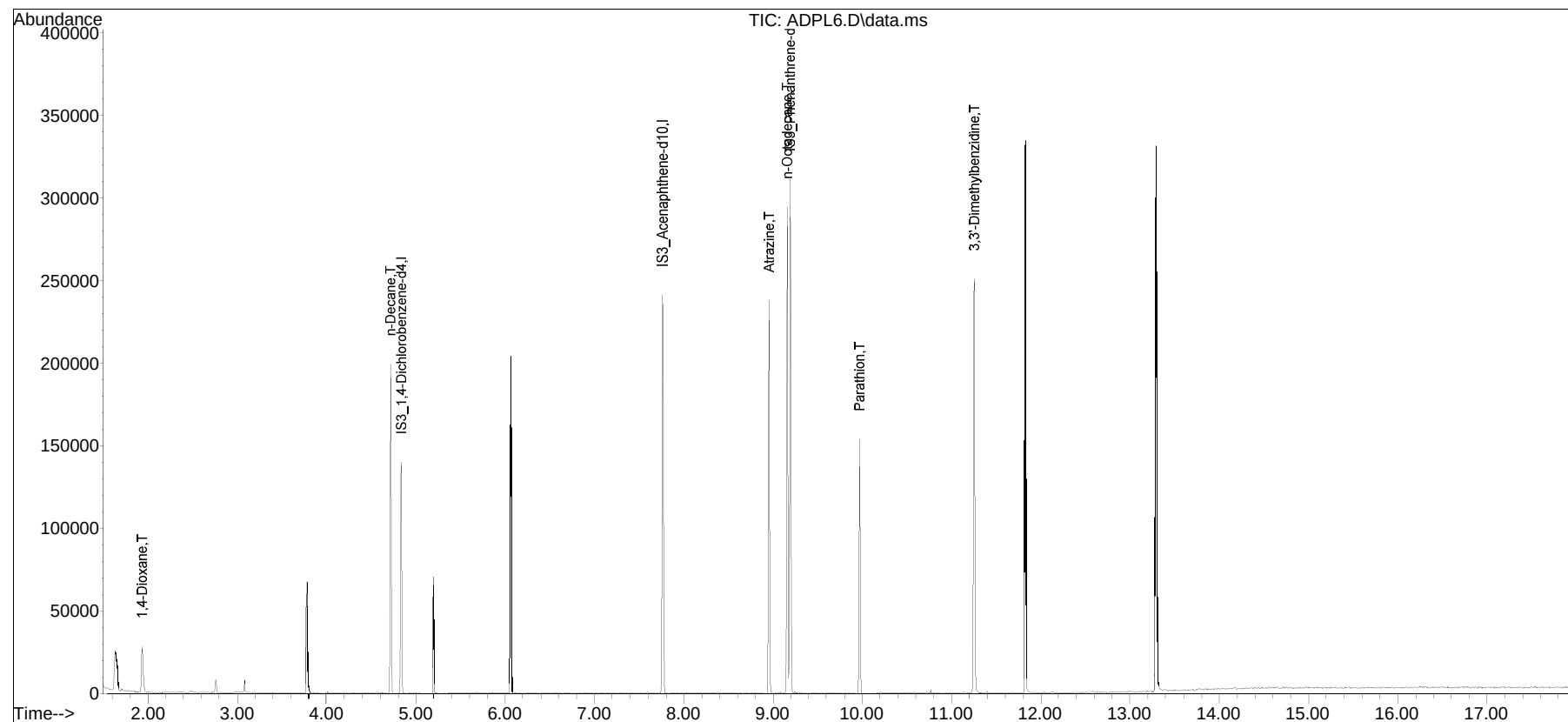
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250313RVTical\
 Data File : ADPL6.D
 Acq On : 13 Mar 2025 10:53 pm
 Operator : SV112:ljj
 Sample : IL5,32,,ADPL5 Lot# 11446
 Misc : WG2040627
 ALS Vial : 24 Sample Multiplier: 1

Quant Time: Mar 14 07:57:37 2025
 Quant Method : I:\8270\SV112\250313RVTical\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Mar 14 07:58:21 2025
 Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistTical\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\SV112\250313RVTical	Method	: FS250313SV112RVT.m
Data File	: ADPL6.D	Operator	: SV112:ljpg
Date Inj'd	: 3/13/2025 10:53 pm	Instrument	: SV112
Sample	: IL5,32,,ADPL5 Lot# 11446	Quant Date	: 3/14/2025 7:58 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250313RVTical\
 Data File : ADPL5.D
 Acq On : 13 Mar 2025 11:16 pm
 Operator : SV112:ljb
 Sample : IL6,32,,ADPL2.5 Lot# 11447
 Misc : WG2040627
 ALS Vial : 25 Sample Multiplier: 1

Quant Time: Mar 14 08:09:21 2025
 Quant Method : I:\8270\SV112\250313RVTical\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Mar 14 07:58:18 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250313RVTical\ADPL6.D
 Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.834	152	20907	4.000	ug/ml	0.00
Standard Area 1 = 22545			Recovery =	92.73%		
86) IS3_Acenaphthene-d10	7.763	164	45678	4.000	ug/ml	0.00
Standard Area 1 = 49125			Recovery =	92.98%		
100) IS3_Phenanthrene-d10	9.193	188	105105	4.000	ug/ml	# 0.00
Standard Area 1 = 112339			Recovery =	93.56%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
33) 1,4-Dioxane	1.934	88	5896	2.606	ug/ml	88
34) n-Decane	4.716	57	15028	2.348	ug/ml#	87
87) Atrazine	8.957	200	11079	2.251	ug/ml	99
101) n-Octadecane	9.163	57	20861	2.233	ug/ml	91
102) Parathion	9.969	109	5008	2.213	ug/ml#	89
103) 3,3'-Dimethylbenzidine	11.257	212	34123	1.941	ug/ml	99

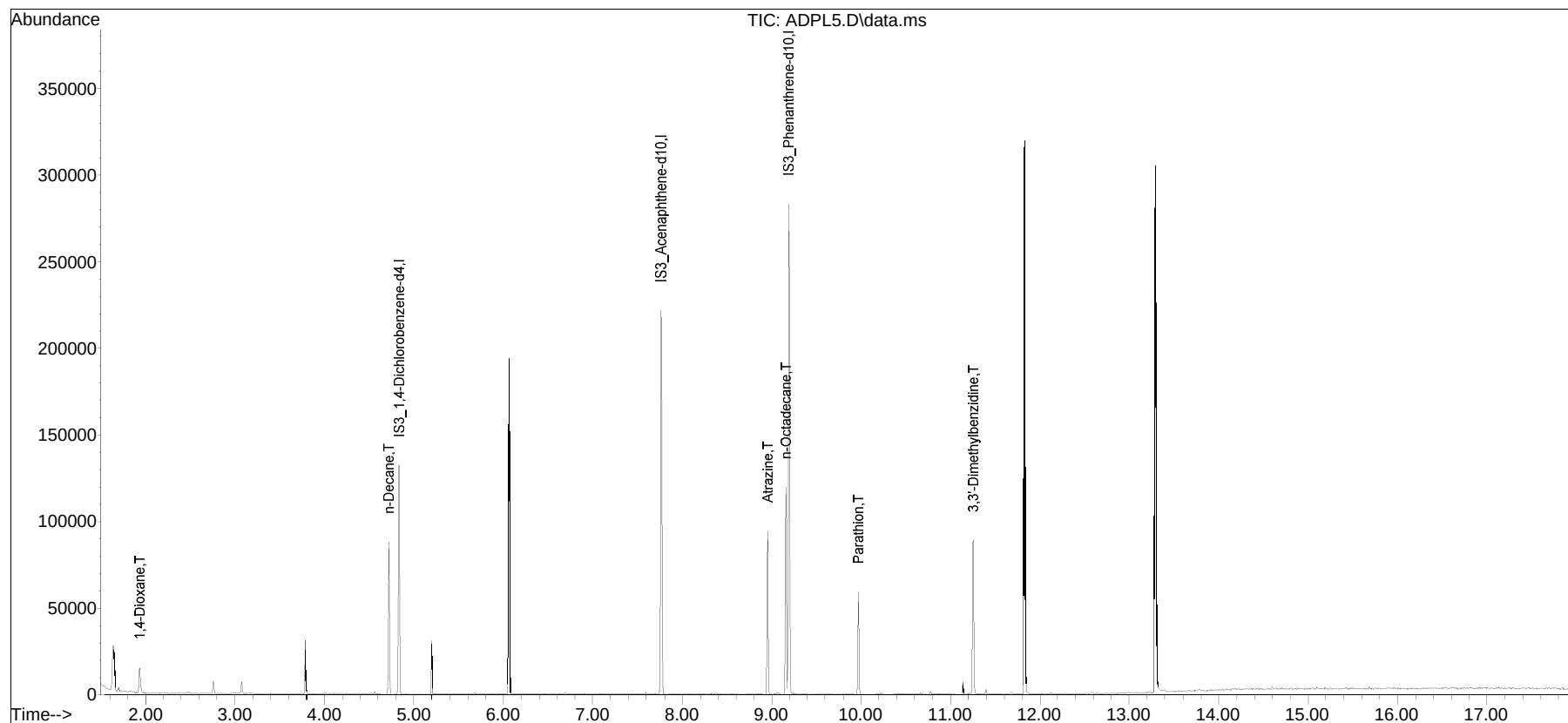
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250313RVTical\
 Data File : ADPL5.D
 Acq On : 13 Mar 2025 11:16 pm
 Operator : SV112:ljg
 Sample : IL6,32,,ADPL2.5 Lot# 11447
 Misc : WG2040627
 ALS Vial : 25 Sample Multiplier: 1

Quant Time: Mar 14 08:09:21 2025
 Quant Method : I:\8270\SV112\250313RVTical\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Mar 14 07:58:18 2025
 Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistTical\ADPL6.D•



Manual Integration Report

Data Path : I:\8270\SV112\250313RVTical\Method : FS250313SV112RVT.m
Data File : ADPL5.D Operator : SV112:ljb
Date Inj'd : 3/13/2025 11:16 pm Instrument : SV112
Sample : IL6,32,,ADPL2.5 Lot# 11447 Quant Date : 3/14/2025 8:02 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250313RVTical\
 Data File : ADPL4.D
 Acq On : 13 Mar 2025 11:39 pm
 Operator : SV112:ljb
 Sample : IL7,32,,ADPL1 Lot# 11448
 Misc : WG2040627
 ALS Vial : 26 Sample Multiplier: 1

Quant Time: Mar 14 08:08:41 2025
 Quant Method : I:\8270\SV112\250313RVTical\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Mar 14 07:58:18 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250313RVTical\ADPL6.D
 Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.834	152	21114	4.000	ug/ml	0.00
Standard Area 1 = 22545			Recovery =	93.65%		
86) IS3_Acenaphthene-d10	7.763	164	46143	4.000	ug/ml	0.00
Standard Area 1 = 49125			Recovery =	93.93%		
100) IS3_Phenanthrene-d10	9.193	188	102555	4.000	ug/ml	# 0.00
Standard Area 1 = 112339			Recovery =	91.29%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
33) 1,4-Dioxane	1.934	88	2714	1.188	ug/ml#	77
34) n-Decane	4.716	57	7214	1.116	ug/ml#	88
87) Atrazine	8.957	200	4936	0.993	ug/ml	98
101) n-Octadecane	9.163	57	9084	0.996	ug/ml	91
102) Parathion	9.969	109	2173	0.984	ug/ml#	82
103) 3,3'-Dimethylbenzidine	11.257	212	12189	0.711	ug/ml	98

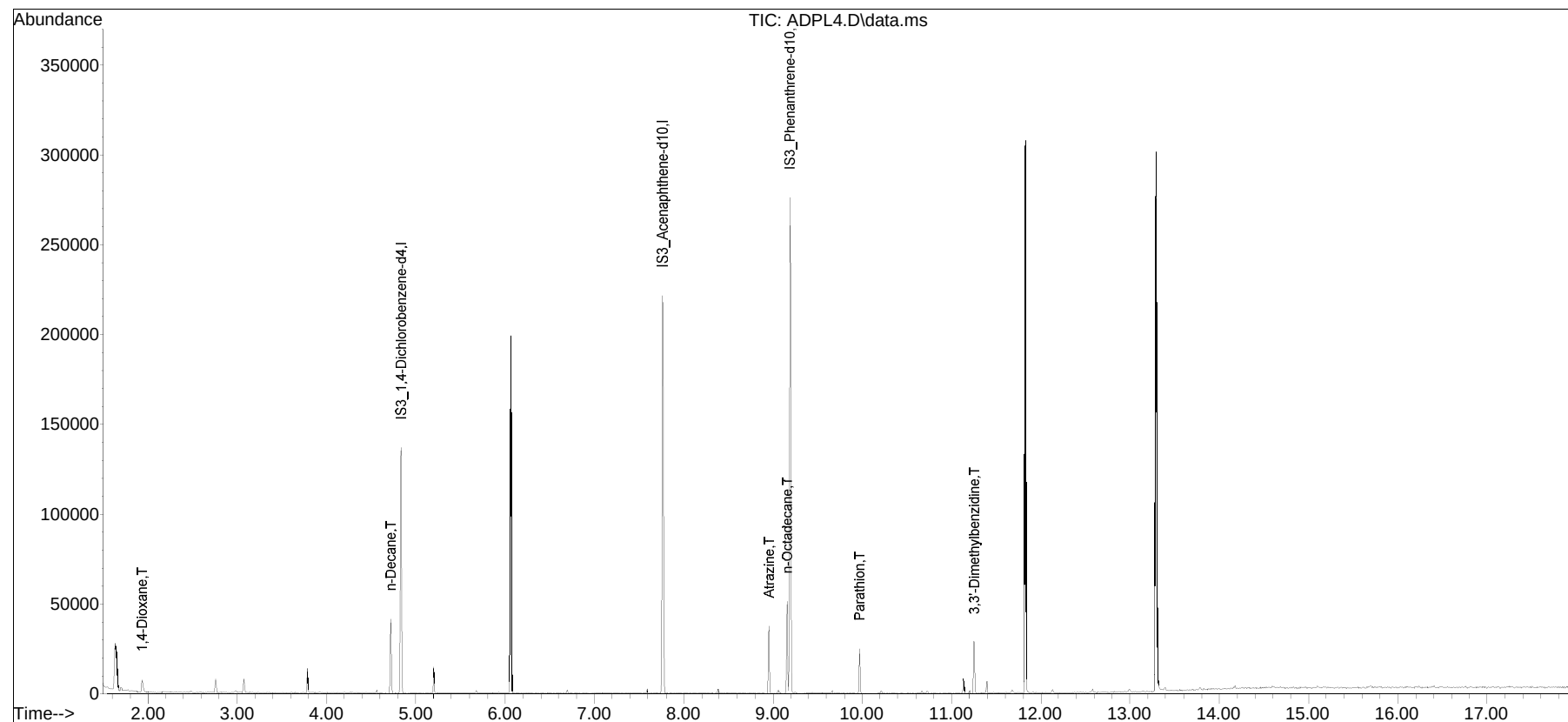
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250313RVTical\
 Data File : ADPL4.D
 Acq On : 13 Mar 2025 11:39 pm
 Operator : SV112:ljj
 Sample : IL7,32,,ADPL1 Lot# 11448
 Misc : WG2040627
 ALS Vial : 26 Sample Multiplier: 1

Quant Time: Mar 14 08:08:41 2025
 Quant Method : I:\8270\SV112\250313RVTical\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Mar 14 07:58:18 2025
 Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistTical\ADPL6.D•



Manual Integration Report

Data Path	: I:\8270\SV112\250313RVTica	Method	: FS250313SV112RVT.m
Data File	: ADPL4.D	Operator	: SV112:ljpg
Date Inj'd	: 3/13/2025 11:39 pm	Instrument	: SV112
Sample	: IL7,32,,ADPL1 Lot# 11448	Quant Date	: 3/14/2025 8:02 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250313RVTical\
 Data File : ADPL3.D
 Acq On : 14 Mar 2025 12:02 am
 Operator : SV112:ljb
 Sample : IL8,32,,ADPL0.5 Lot# 11449
 Misc : WG2040627
 ALS Vial : 27 Sample Multiplier: 1

Quant Time: Mar 14 08:08:09 2025
 Quant Method : I:\8270\SV112\250313RVTical\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Mar 14 07:58:18 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250313RVTical\ADPL6.D
 Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.834	152	21741	4.000	ug/ml	0.00
Standard Area 1 = 22545			Recovery =	96.43%		
86) IS3_Acenaphthene-d10	7.763	164	47030	4.000	ug/ml	0.00
Standard Area 1 = 49125			Recovery =	95.74%		
100) IS3_Phenanthrene-d10	9.193	188	104728	4.000	ug/ml	# 0.00
Standard Area 1 = 112339			Recovery =	93.22%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
33) 1,4-Dioxane	1.934	88	1463	0.622	ug/ml#	68
34) n-Decane	4.716	57	4005	0.602	ug/ml	95
87) Atrazine	8.957	200	2596	0.512	ug/ml	96
101) n-Octadecane	9.163	57	4888	0.525	ug/ml#	88
102) Parathion	9.969	109	1333	0.591	ug/ml#	88
103) 3,3'-Dimethylbenzidine	11.251	212	5121	0.292	ug/ml	96

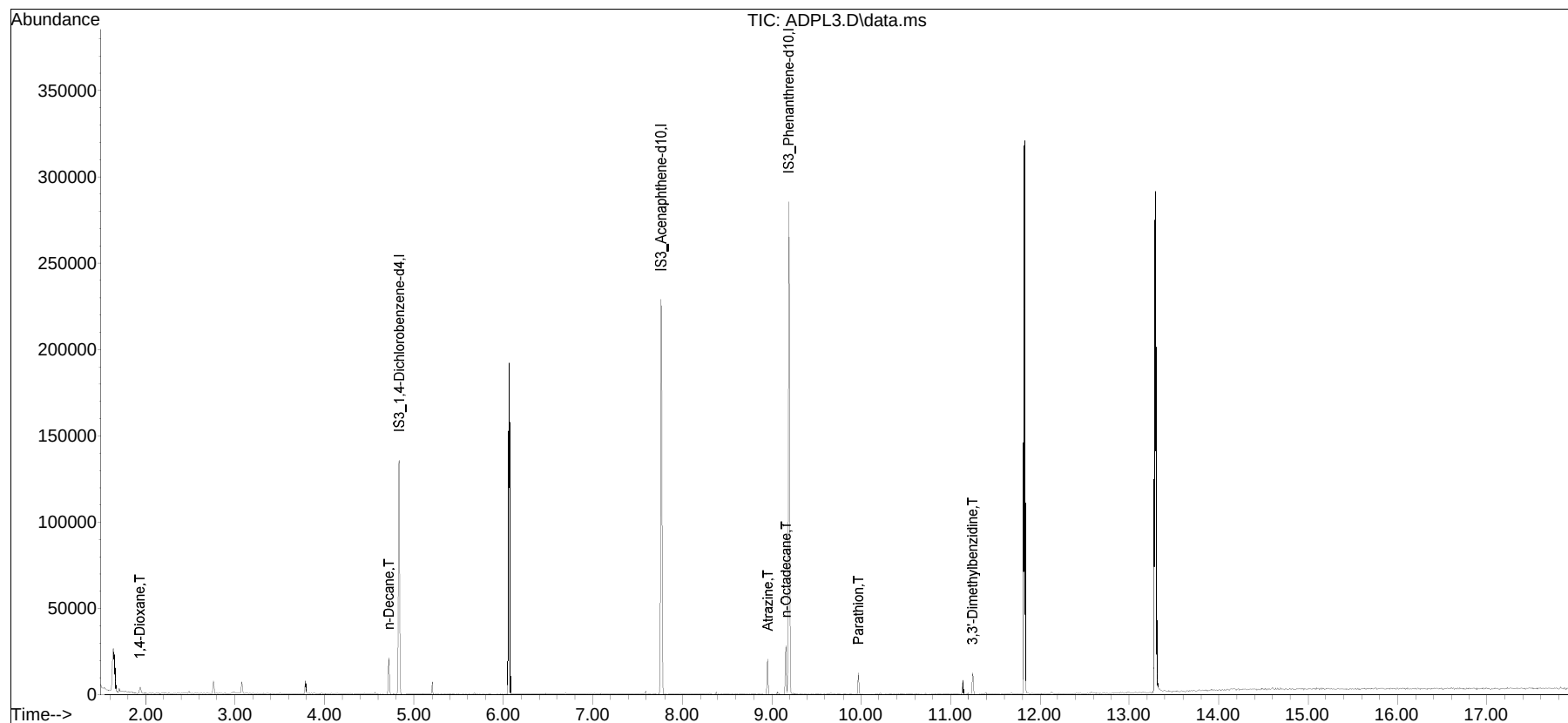
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250313RVTical\
 Data File : ADPL3.D
 Acq On : 14 Mar 2025 12:02 am
 Operator : SV112:ljg
 Sample : IL8,32,,ADPL0.5 Lot# 11449
 Misc : WG2040627
 ALS Vial : 27 Sample Multiplier: 1

Quant Time: Mar 14 08:08:09 2025
 Quant Method : I:\8270\SV112\250313RVTical\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Mar 14 07:58:18 2025
 Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistTical\ADPL6.D•



Manual Integration Report

Data Path : I:\8270\SV112\250313RVTicaQMethod : FS250313SV112RVT.m
Data File : ADPL3.D Operator : SV112:ljpg
Date Inj'd : 3/14/2025 12:02 am Instrument : SV112
Sample : IL8,32,,ADPL0.5 Lot# 11449Quant Date : 3/14/2025 8:02 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250313RVTical\
 Data File : ADPL2.D
 Acq On : 14 Mar 2025 12:25 am
 Operator : SV112:ljb
 Sample : IL9,32,,ADPL0.2 Lot# 11450
 Misc : WG2040627
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Mar 14 08:06:20 2025
 Quant Method : I:\8270\SV112\250313RVTical\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Mar 14 07:58:18 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250313RVTical\ADPL6.D
 Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.834	152	22175	4.000	ug/ml	0.00
Standard Area 1 = 22545			Recovery =	98.36%		
86) IS3_Acenaphthene-d10	7.769	164	46198	4.000	ug/ml	0.00
Standard Area 1 = 49125			Recovery =	94.04%		
100) IS3_Phenanthrene-d10	9.192	188	102840	4.000	ug/ml	# 0.00
Standard Area 1 = 112339			Recovery =	91.54%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
33) 1,4-Dioxane	1.946	88	488M2	0.203	ug/ml	
34) n-Decane	4.716	57	1407	0.207	ug/ml#	85
87) Atrazine	8.957	200	915	0.184	ug/ml#	37
101) n-Octadecane	9.163	57	1705	0.186	ug/ml	91
102) Parathion	9.969	109	365M2	0.165	ug/ml	
103) 3,3'-Dimethylbenzidine	0.000		0	N.D.		

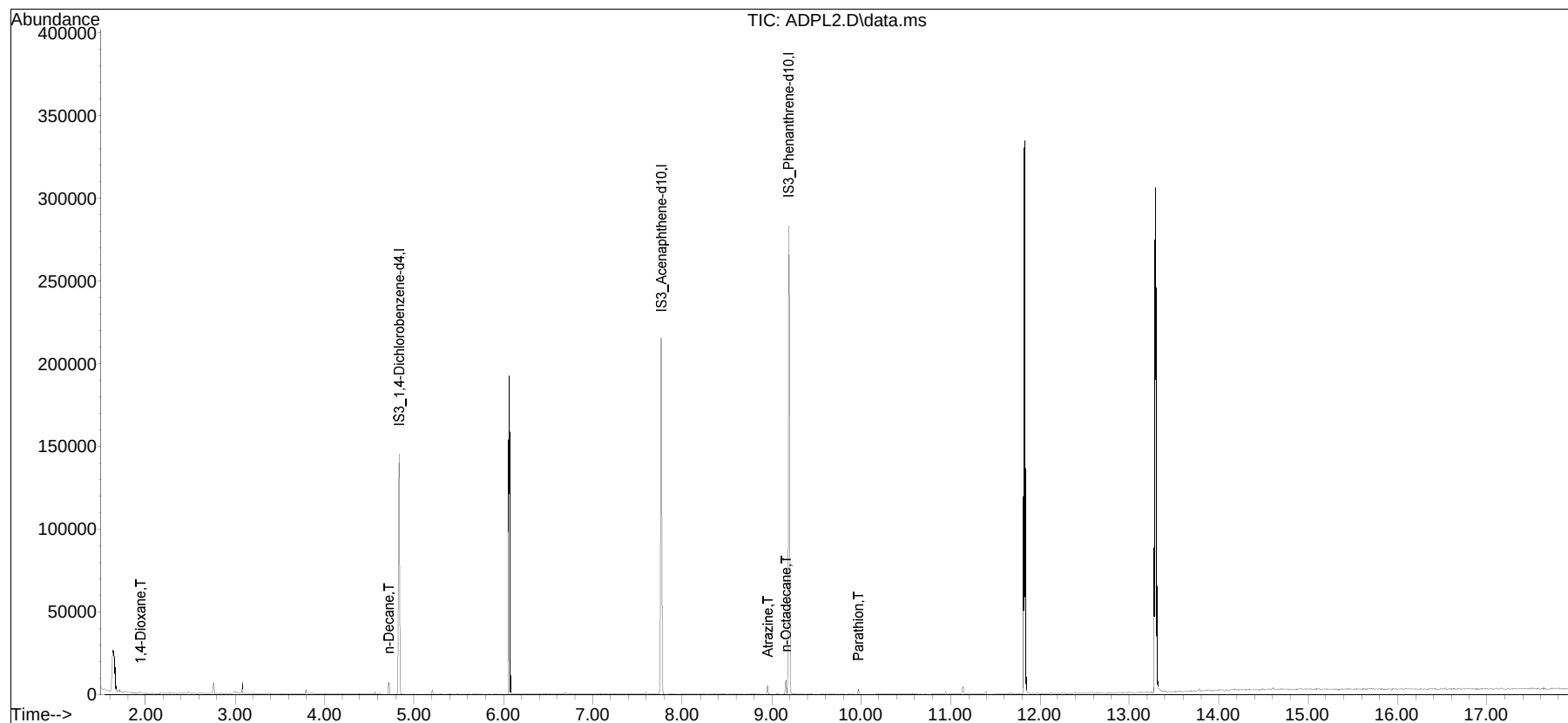
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250313RVTical\
 Data File : ADPL2.D
 Acq On : 14 Mar 2025 12:25 am
 Operator : SV112:ljg
 Sample : IL9,32,,ADPL0.2 Lot# 11450
 Misc : WG2040627
 ALS Vial : 28 Sample Multiplier: 1

Quant Time: Mar 14 08:06:20 2025
 Quant Method : I:\8270\SV112\250313RVTical\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Mar 14 07:58:18 2025
 Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistTical\ADPL6.D•

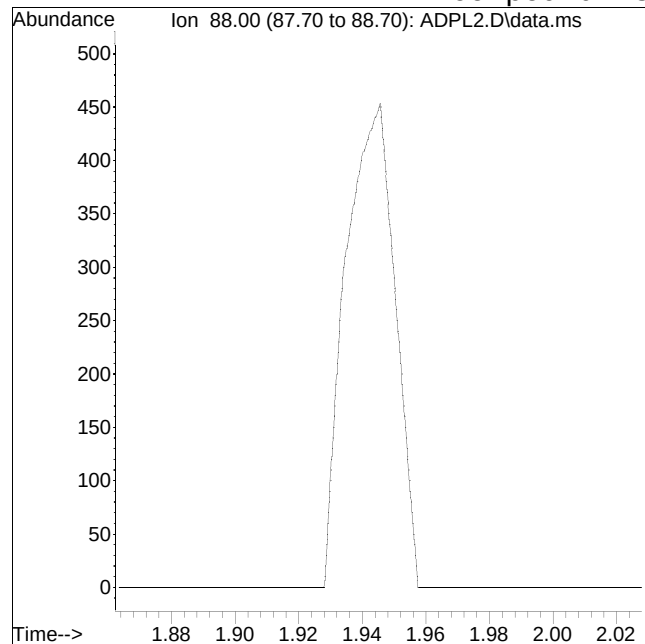


Manual Integration Report

Data Path : I:\8270\SV112\250313RVT\data.ms
Data File : ADPL2.D
Date Inj'd : 3/14/2025 12:25 am
Sample : IL9,32,,ADPL0.2 Lot# 11450

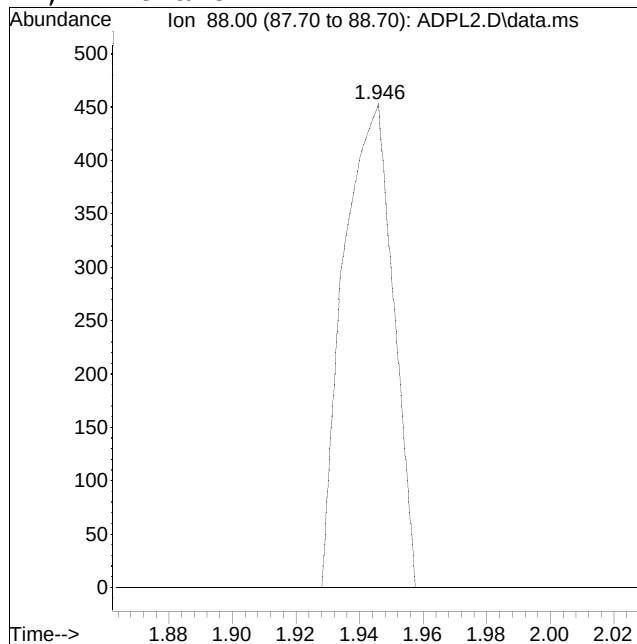
Method : FS250313SV112RVT.m
Operator : SV112:ljl
Instrument : SV112
Quant Date : 3/14/2025 8:01 am

Compound #33: 1,4-Dioxane



Original Peak Response = 0

M2 = Peak not found by automatic integration algorithm.

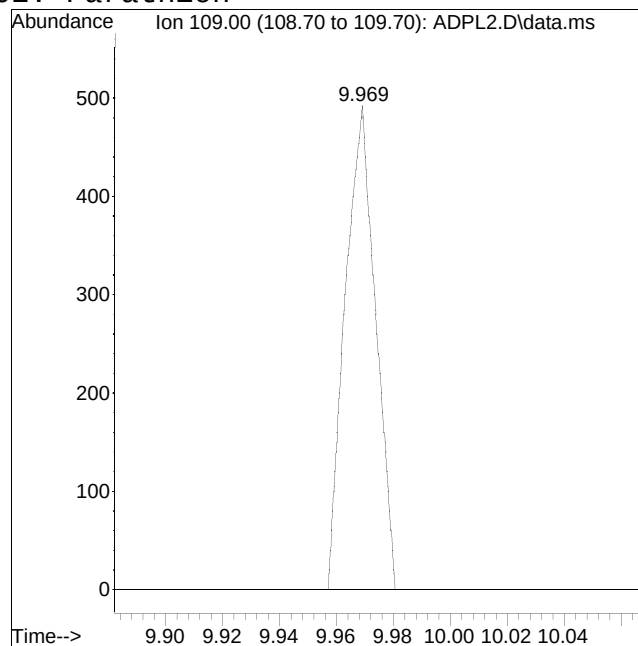
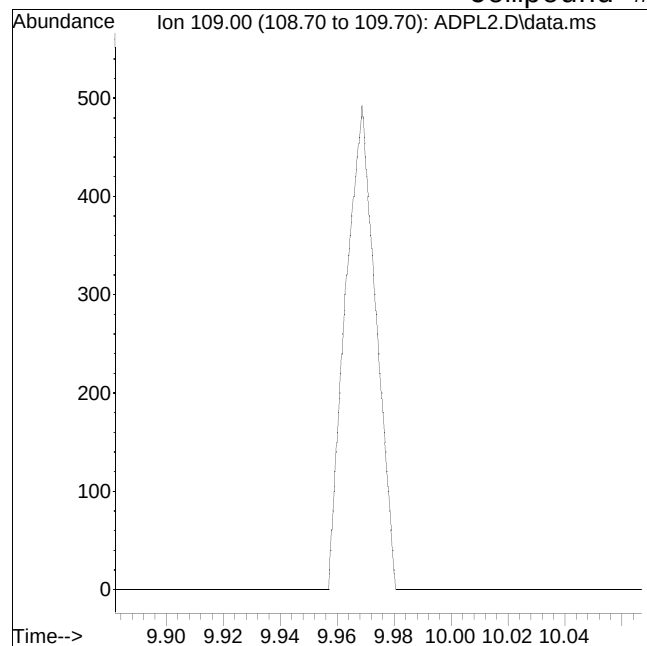


Manual Peak Response = 488 M2

Manual Integration Report

Data Path : I:\8270\SV112\250313RVTica01
Data File : ADPL2.D
Date Inj'd : 3/14/2025 12:25 am
Sample : IL9,32,,ADPL0.2 Lot# 11450
Method : FS250313SV112RVT.m
Operator : SV112:ljb
Instrument : SV112
Quant Date : 3/14/2025 8:01 am

Compound #102: Parathion



Original Peak Response = 0

Manual Peak Response = 365 M2

M2 = Peak not found by automatic integration algorithm.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250313RVTical\
 Data File : ADPL1.D
 Acq On : 14 Mar 2025 12:48 am
 Operator : SV112:ljb
 Sample : IL10,32,,ADPL0.1 Lot# 11451
 Misc : WG2040627
 ALS Vial : 29 Sample Multiplier: 1

Quant Time: Mar 14 08:04:08 2025
 Quant Method : I:\8270\SV112\250313RVTical\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Mar 14 07:58:18 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250313RVTical\ADPL6.D
 Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.834	152	20205	4.000	ug/ml	0.00
Standard Area 1 = 22545			Recovery =	89.62%		
86) IS3_Acenaphthene-d10	7.769	164	43109	4.000	ug/ml	0.00
Standard Area 1 = 49125			Recovery =	87.75%		
100) IS3_Phenanthrene-d10	9.193	188	95866	4.000	ug/ml	# 0.00
Standard Area 1 = 112339			Recovery =	85.34%		

System Monitoring Compounds

Target Compounds					Qvalue
33) 1,4-Dioxane	0.000		0	N.D.	
34) n-Decane	4.716	57	674	0.109 ug/ml#	72
87) Atrazine	8.957	200	566	0.122 ug/ml#	37
101) n-Octadecane	9.163	57	1081	0.127 ug/ml	87
102) Parathion	9.969	109	264M2	0.128 ug/ml	
103) 3,3'-Dimethylbenzidine	0.000		0	N.D.	

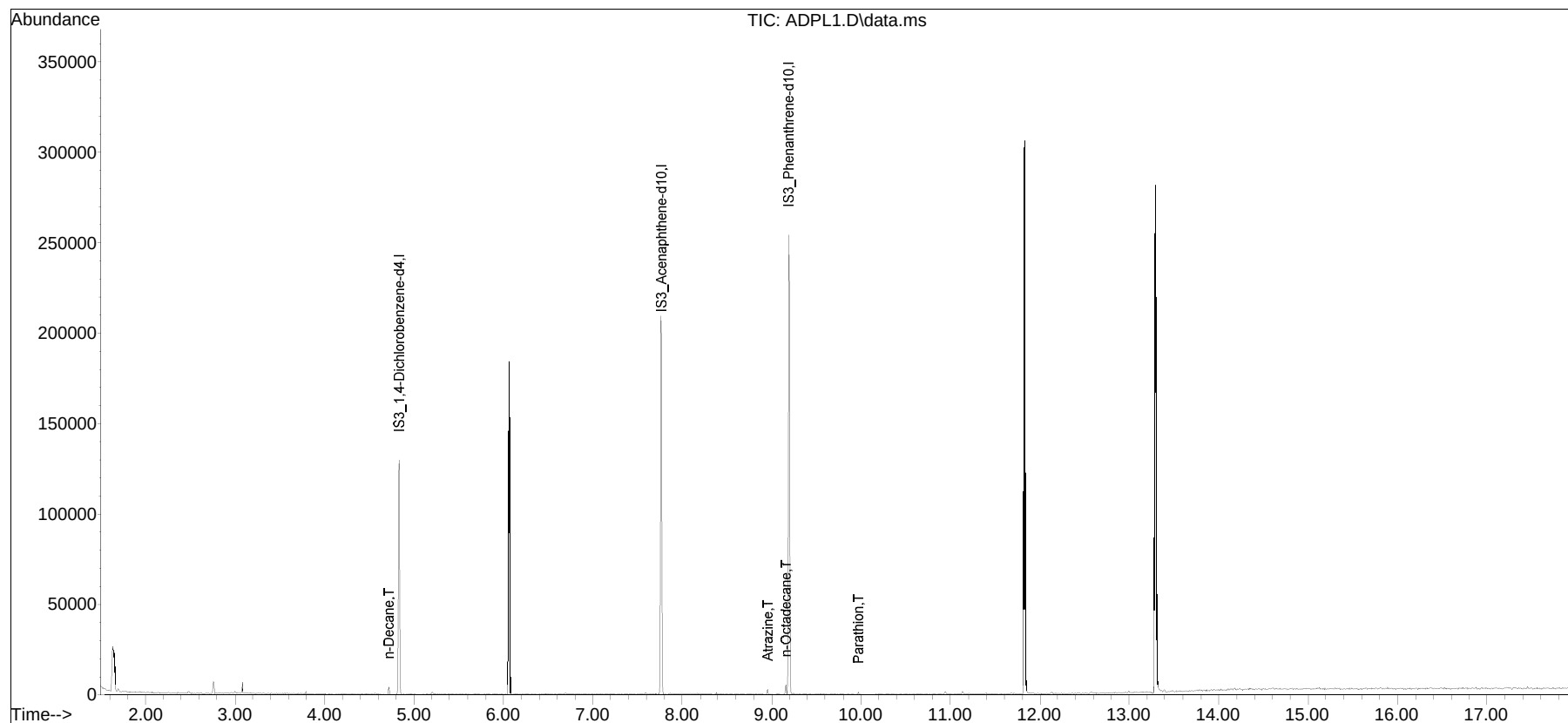
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250313RVTical\
 Data File : ADPL1.D
 Acq On : 14 Mar 2025 12:48 am
 Operator : SV112:ljb
 Sample : IL10,32,,ADPL0.1 Lot# 11451
 Misc : WG2040627
 ALS Vial : 29 Sample Multiplier: 1

Quant Time: Mar 14 08:04:08 2025
 Quant Method : I:\8270\SV112\250313RVTical\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Mar 14 07:58:18 2025
 Response via : Initial Calibration

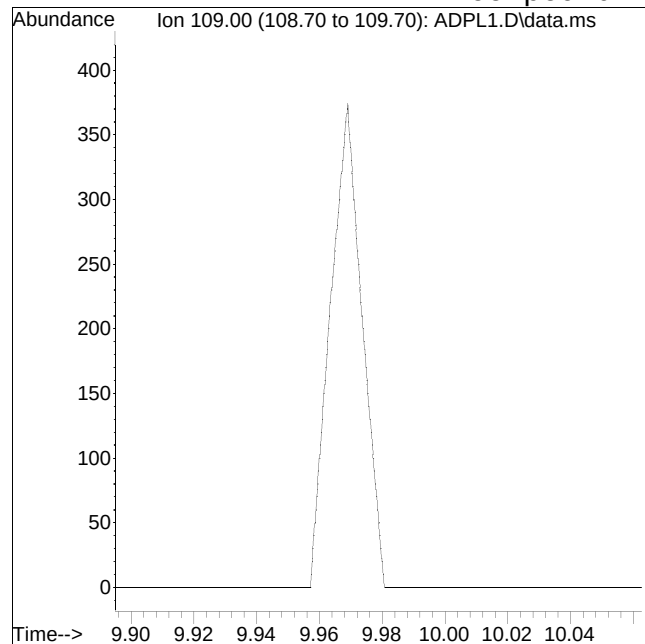
Sub List : ADPical_REV2 - ADP sublistTical\ADPL6.D•



Manual Integration Report

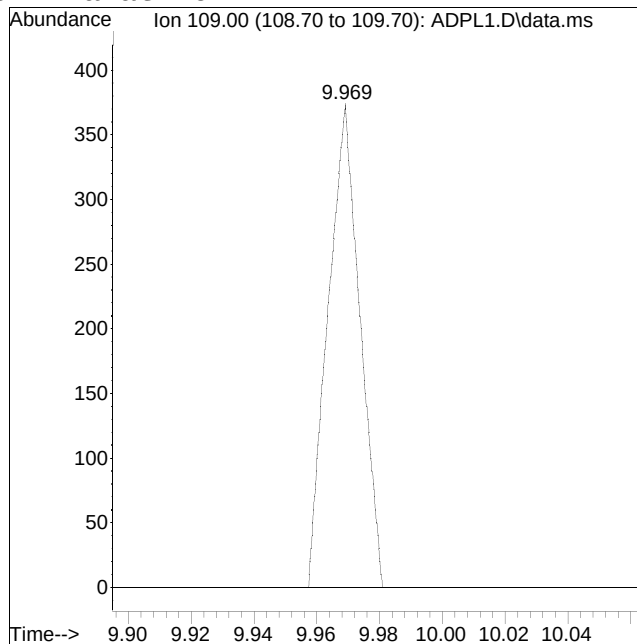
Data Path : I:\8270\SV112\250313RVTicalQMethod : FS250313SV112RVT.m
Data File : ADPL1.D Operator : SV112:ljb
Date Inj'd : 3/14/2025 12:48 am Instrument : SV112
Sample : IL10,32,,ADPL0.1 Lot# 11450 Quant Date : 3/14/2025 8:01 am

Compound #102: Parathion



Original Peak Response = 0

M2 = Peak not found by automatic integration algorithm.



Manual Peak Response = 264 M2

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV112\250313RVTical\
 Data File : ADPICV.D
 Acq On : 14 Mar 2025 01:11 am
 Operator : SV112:ljb
 Sample : CQICV, 32,,ADPICV Lot# 11454
 Misc : WG2040627
 ALS Vial : 30 Sample Multiplier: 1

Quant Time: Mar 14 12:26:41 2025
 Quant Method : I:\8270\SV112\250313RVTical\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Mar 14 12:27:37 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
32 I	IS3_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	88	0.00
33 T	1,4-Dioxane	0.481	0.459	4.6	94	0.00
34 T	n-Decane	1.328	1.342	-1.1	97	0.00
86 I	IS3_Acenaphthene-d10	1.000	1.000	0.0	89	0.00
87 T	Atrazine	0.470	0.470	0.0	98	0.00
100 I	IS3_Phenanthrene-d10	1.000	1.000	0.0	92	0.00
101 T	n-Octadecane	0.389	0.378	2.8	98	0.00
102 T	Parathion	* 5.000	5.221	-4.4	96	0.00
103 T	3,3'-Dimethylbenzidine	* 5.000	4.412	11.8	94	0.00

* Evaluation of CC level amount vs concentration.
 (#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250313RVTical\
 Data File : ADPICV.D
 Acq On : 14 Mar 2025 01:11 am
 Operator : SV112:ljb
 Sample : CQICV, 32,,ADPICV Lot# 11454
 Misc : WG2040627
 ALS Vial : 30 Sample Multiplier: 1

Quant Time: Mar 14 12:26:41 2025
 Quant Method : I:\8270\SV112\250313RVTical\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Mar 14 12:27:37 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250313RVTical\ADPL6.D
 Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
32) IS3_1,4-Dichlorobenzen...	4.834	152	19949	4.000	ug/ml	0.00
Standard Area 1 = 22545			Recovery =	88.49%		
86) IS3_Acenaphthene-d10	7.769	164	43923	4.000	ug/ml	0.00
Standard Area 1 = 49125			Recovery =	89.41%		
100) IS3_Phenanthrene-d10	9.193	188	103514	4.000	ug/ml	# 0.00
Standard Area 1 = 112339			Recovery =	92.14%		

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
33) 1,4-Dioxane	1.928	88	11454	4.771	ug/ml#	79
34) n-Decane	4.716	57	33464	5.051	ug/ml#	88
87) Atrazine	8.957	200	25826	5.007	ug/ml	97
101) n-Octadecane	9.163	57	48900	4.864	ug/ml	90
102) Parathion	9.969	109	11607	5.221	ug/ml#	90
103) 3,3'-Dimethylbenzidine	11.257	212	88391	4.412	ug/ml	98

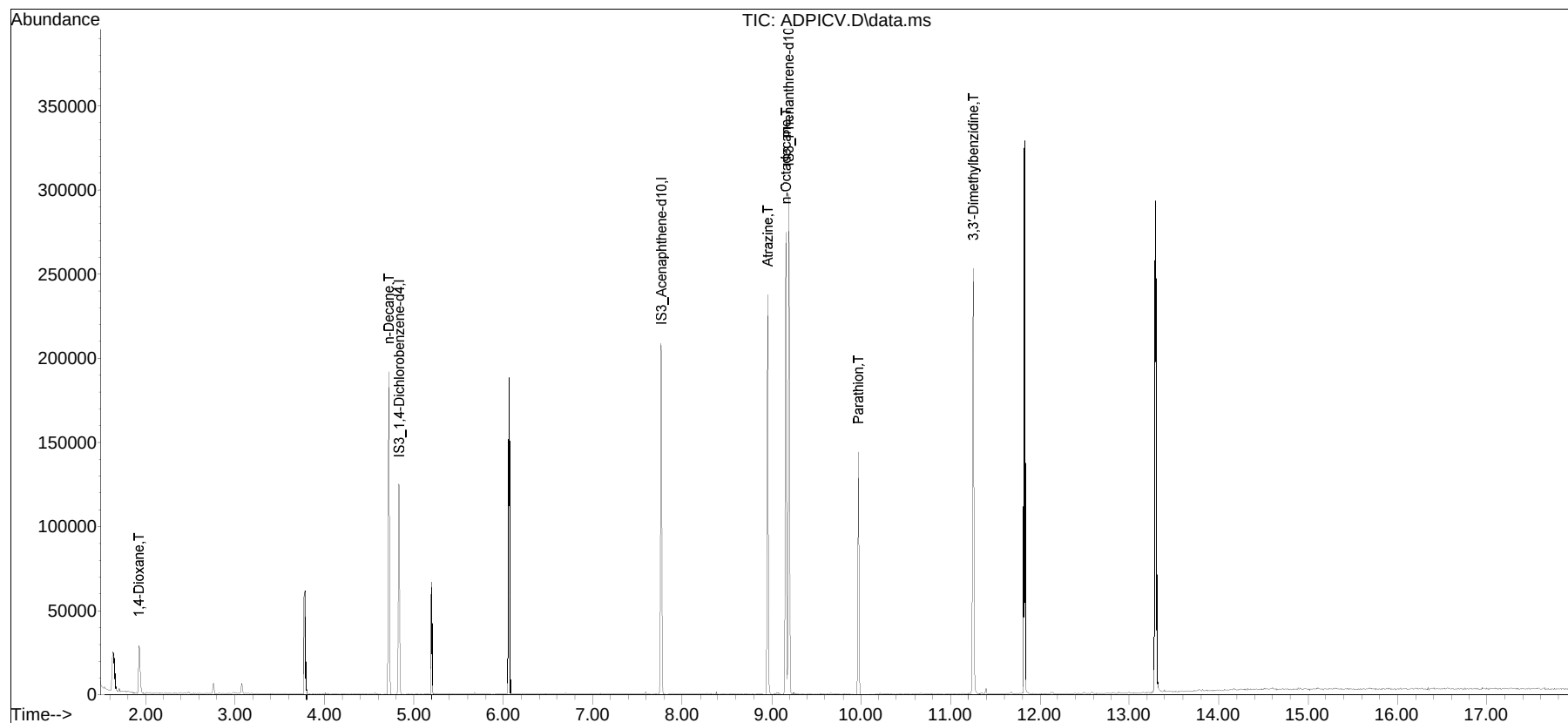
(#) = qualifier out of range (m) = manual integration (+) = signals summed

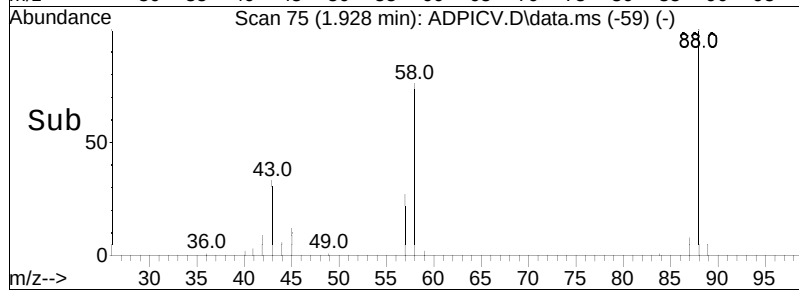
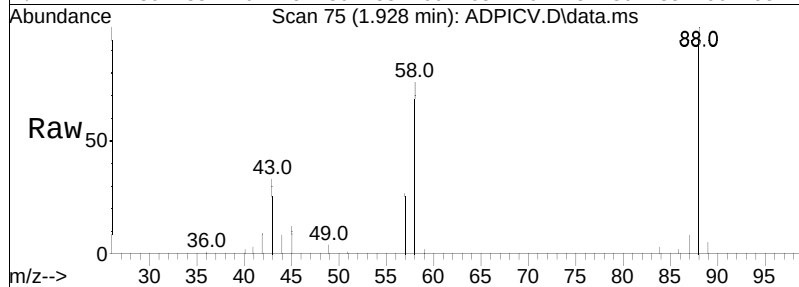
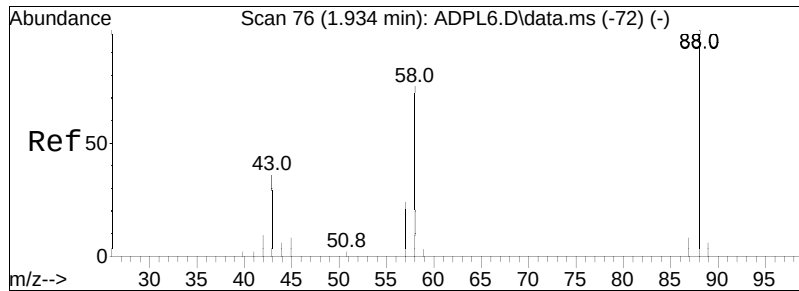
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250313RVTical\
 Data File : ADPICV.D
 Acq On : 14 Mar 2025 01:11 am
 Operator : SV112:ljj
 Sample : CQICV,32,,ADPICV Lot# 11454
 Misc : WG2040627
 ALS Vial : 30 Sample Multiplier: 1

Quant Time: Mar 14 12:26:41 2025
 Quant Method : I:\8270\SV112\250313RVTical\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Mar 14 12:27:37 2025
 Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublistTical\ADPL6.D•





#33

1,4-Dioxane

Concen: 4.77 ug/ml

RT: 1.928 min Scan# 75

Delta R.T. -0.006 min

Lab File: ADPICV.D

Acq: 14 Mar 2025 01:11 am

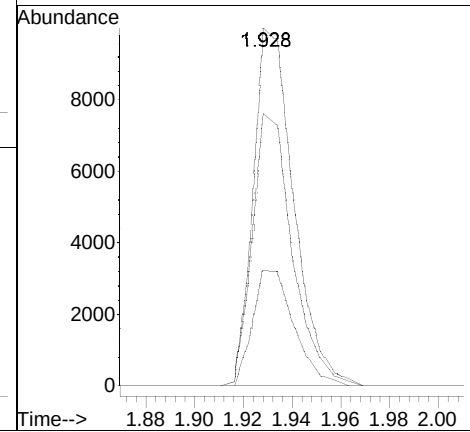
Tgt Ion: 88 Resp: 11454

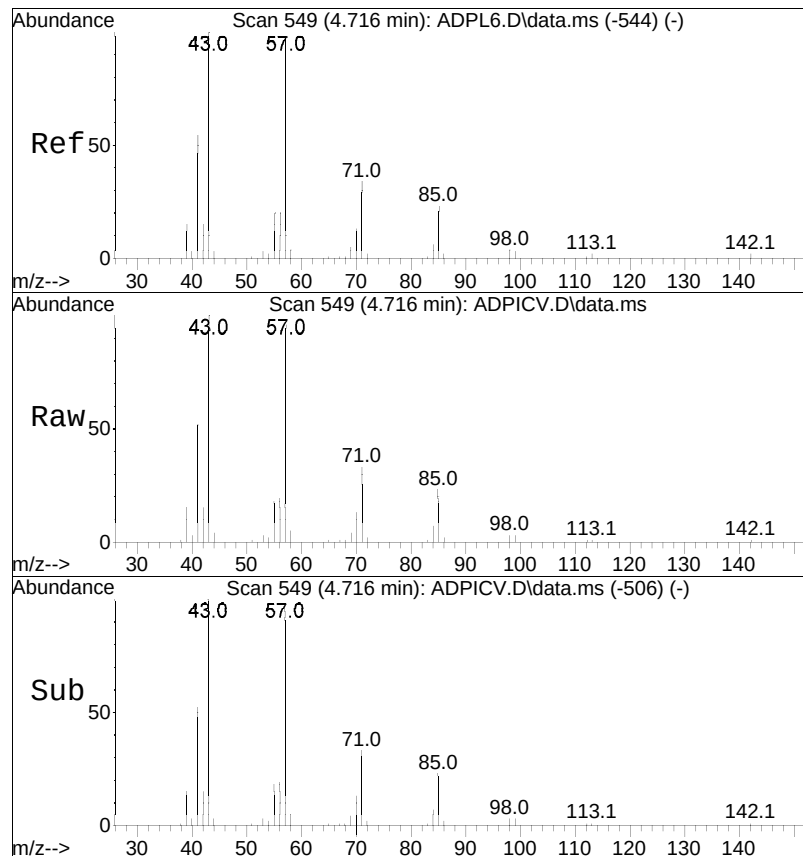
Ion Ratio Lower Upper

88 100

58 75.0 44.8 67.2#

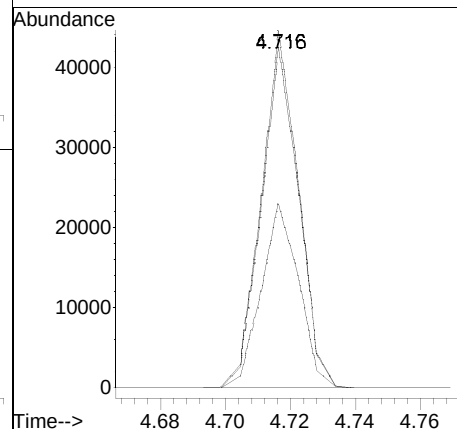
43 33.3 22.4 33.6

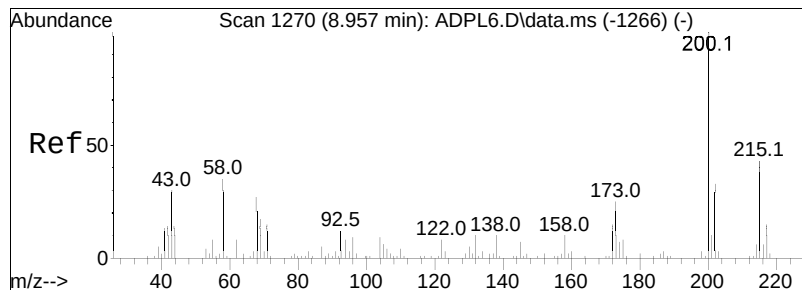




#34
 n-Decane
 Concen: 5.05 ug/ml
 RT: 4.716 min Scan# 549
 Delta R.T. 0.000 min
 Lab File: ADPICV.D
 Acq: 14 Mar 2025 01:11 am

Tgt Ion:	57	Resp:	33464
Ion Ratio	Lower	Upper	
57	100		
43	104.2	75.4	113.2
41	54.6	35.0	52.6#





#87

Atrazine

Concen: 5.01 ug/ml

RT: 8.957 min Scan# 1270

Delta R.T. 0.000 min

Lab File: ADPICV.D

Acq: 14 Mar 2025 01:11 am

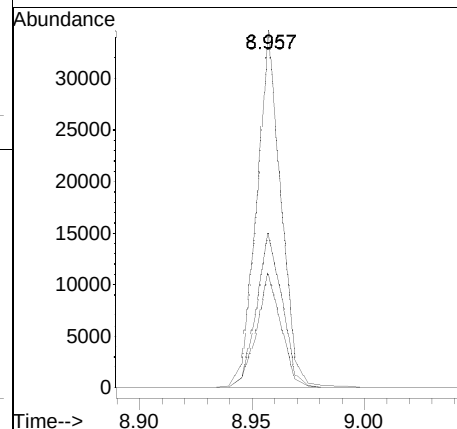
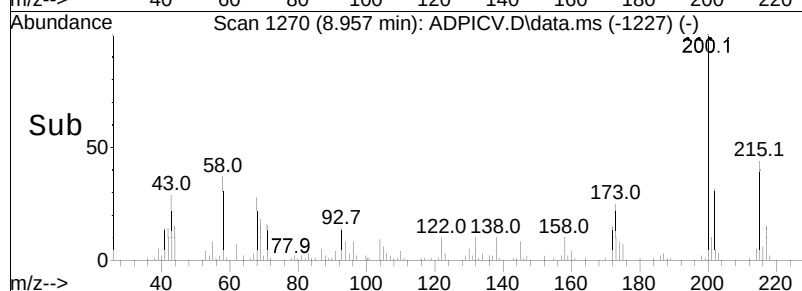
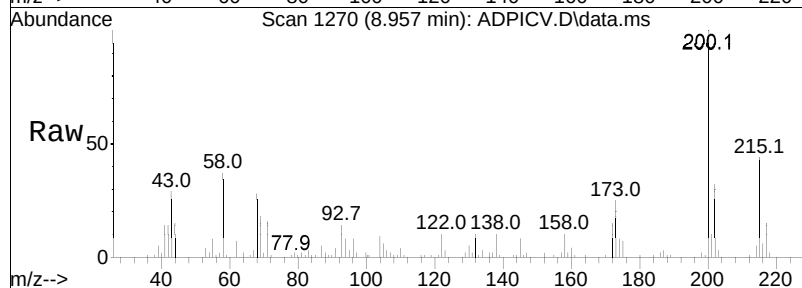
Tgt Ion: 200 Resp: 25826

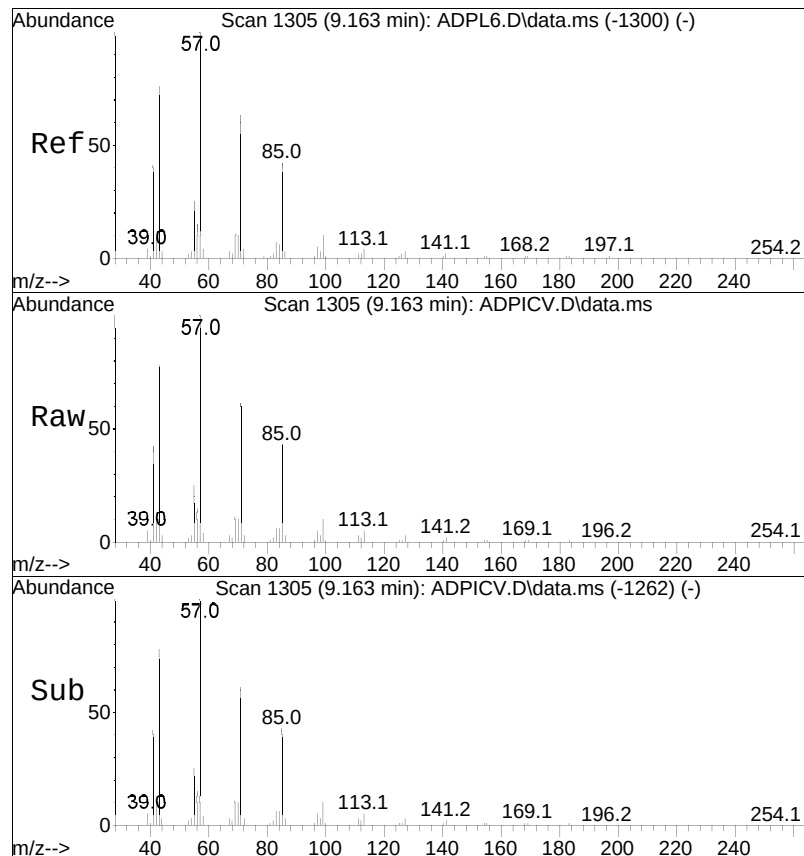
Ion Ratio Lower Upper

200 100

202 32.4 25.0 37.6

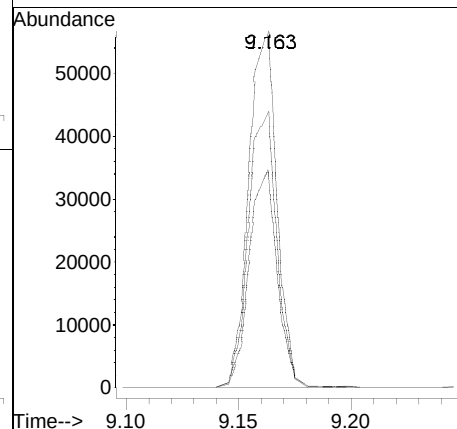
215 45.2 34.5 51.7

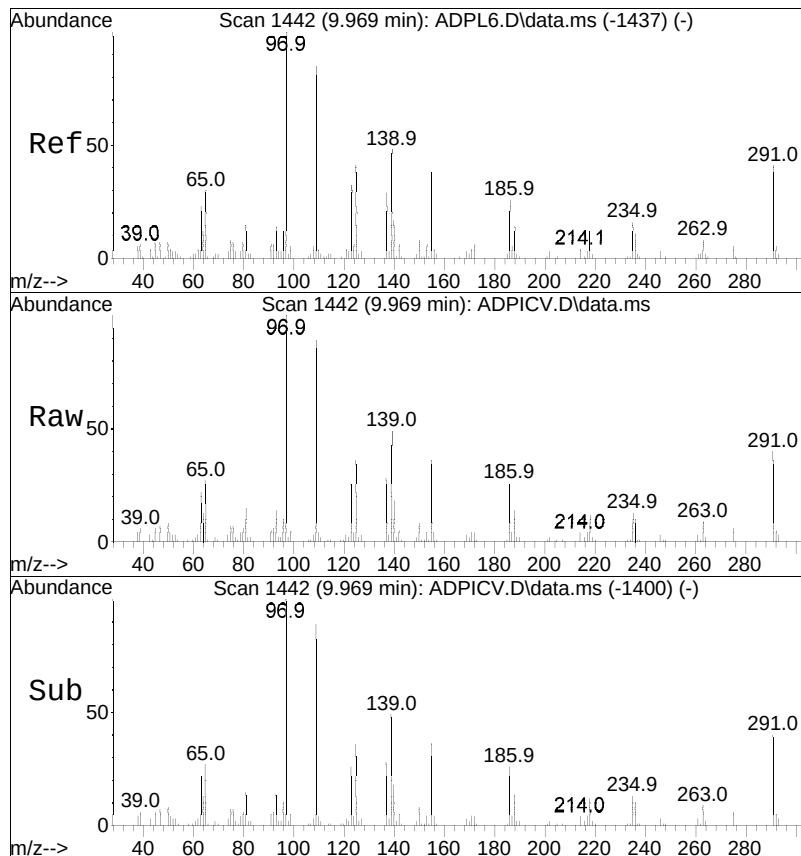




#101
 n-Octadecane
 Concen: 4.86 ug/ml
 RT: 9.163 min Scan# 1305
 Delta R.T. 0.000 min
 Lab File: ADPICV.D
 Acq: 14 Mar 2025 01:11 am

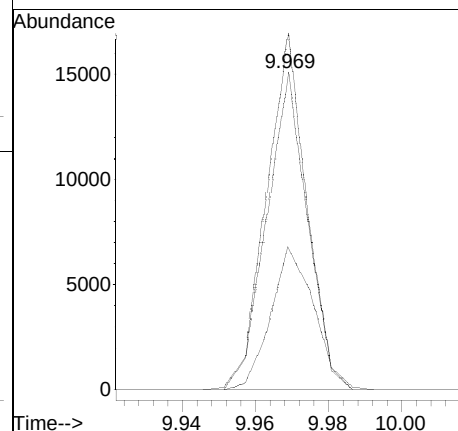
Tgt Ion	Ratio	Lower	Upper
57	100		
43	78.4	54.3	81.5
71	60.5	45.1	67.7

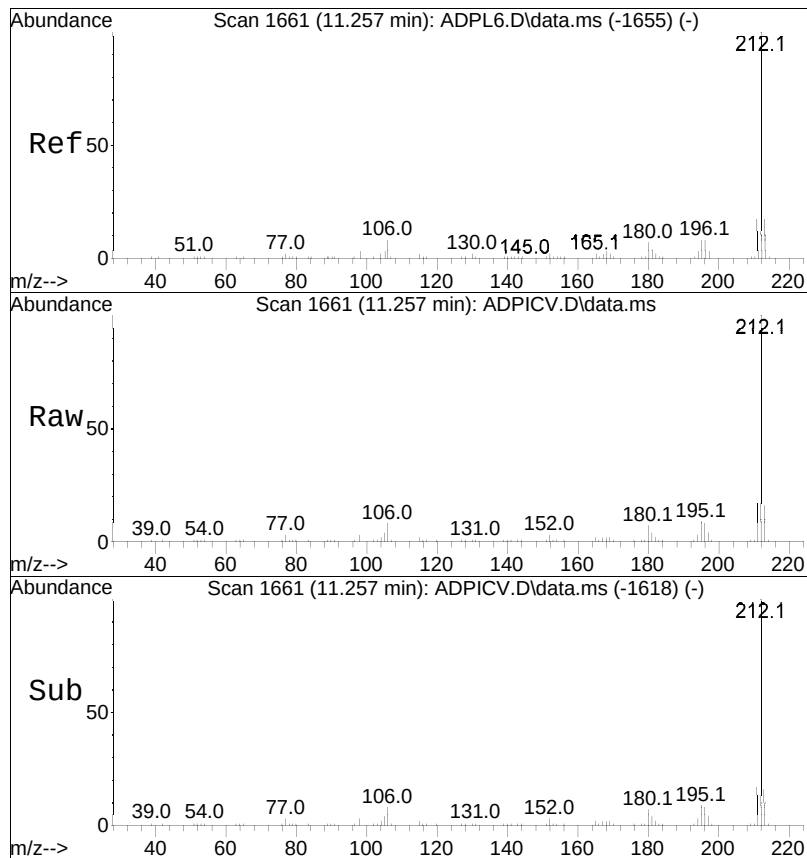




#102
 Parathion
 Concen: 5.22 ug/ml
 RT: 9.969 min Scan# 1442
 Delta R.T. -0.000 min
 Lab File: ADPICV.D
 Acq: 14 Mar 2025 01:11 am

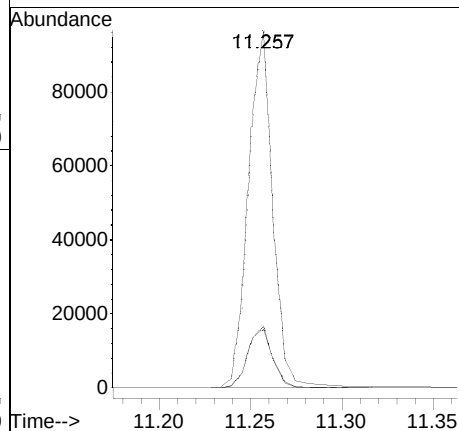
Tgt Ion	109	Resp	11607
Ion Ratio	Lower	Upper	
109	100		
97	111.3	85.4	128.2
291	48.0	25.4	38.2#





#103
 3,3'-Dimethylbenzidine
 Concen: 4.41 ug/ml
 RT: 11.257 min Scan# 1661
 Delta R.T. 0.000 min
 Lab File: ADPICV.D
 Acq: 14 Mar 2025 01:11 am

Tgt Ion	Ratio	Lower	Upper
212	100		
211	17.2	13.3	19.9
213	17.5	13.4	20.2



Manual Integration Report

Data Path	: I:\8270\SV112\250313RVTical	Method	: FS250313SV112RVT.m
Data File	: ADPICV.D	Operator	: SV112:ljb
Date Inj'd	: 3/14/2025 1:11 am	Instrument	: SV112
Sample	: CQICV,32,,ADPICV Lot# 11450	Quant Date	: 3/14/2025 12:27 pm

There are no manual integrations or false positives in this file.

Method Path : I:\8270\SV112\250313RVTical\
 Method File : FS250313SV112RVT.m
 Title : Semivolatiles by GC/MS by modified 8270
 Last Update : Fri Mar 14 09:19:55 2025

	COMPOUND	CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE
37	T Benzoic Acid	L	ug/ml	5.0	4.248	-15.0	0.50	0.720	44.0
60	T Caprolactam	L	ug/ml	5.0	4.217	-15.7	0.20	0.291	45.5
66	T 2,4-Dinitrophenol	L	ug/ml	5.0	4.342	-13.2	0.20	0.289	44.5
102	T Parathion	Q	ug/ml	5.0	5.039	0.8	0.50	0.521	4.2
103	T 3,3'-Dimethylbenzidine	L	ug/ml	5.0	4.343	-13.1	2.50	2.356	-5.8

Calibration Correlation Report

	COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant
37	T Benzoic Acid	Linear	0.992779	0.000000	0.262833	-0.0388273
60	T Caprolactam	Linear	0.993163	0.000000	0.163263	-0.00822649
66	T 2,4-Dinitrophenol	Linear	0.995654	0.000000	0.202978	-0.0106744
102	T Parathion	Quadratic	0.999898	0.012669	0.0664226	0.00385312
103	T 3,3'-Dimethylbenzidine	Linear	0.991593	0.000000	1.02948	-0.281637

Continuing Calibration

Calibration Verification Summary

Form 7

Semivolatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM GROUNDWATER EVENT
 Instrument ID : SV112
 Lab File ID : ABN0621
 Sample No : WG2081810-3
 Channel :

Lab Number : L2538805
 Project Number : 2232.0006Y005
 Calibration Date : 06/21/25 11:28
 Init. Calib. Date(s) : 03/13/25 03/14/25
 Init. Calib. Times : 13:47 00:48

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS1_1,4-Dichlorobenzene-d4	1	1	-	0	20	96	0
n-Nitrosodimethylamine	0.695	0.683	-	1.7	20	92	0
Pyridine	1.215	0.893	-	26.5*	20	71	0
2-Fluorophenol	1.083	1.019	-	5.9	20	90	0
Aniline	1.77	1.721	-	2.8	20	88	0
2-Chlorophenol	1.247	1.197	-	4	20	94	0
Phenol-d6	1.35	1.277	-	5.4	20	91	0
Phenol	1.592	1.382	-	13.2	20	84	0
Bis(2-chloroethyl)ether	1.152	1.109	-	3.7	20	92	0
1,3-Dichlorobenzene	1.473	1.362	-	7.5	20	93	0
1,4-Dichlorobenzene	1.525	1.391	-	8.8	20	91	0
1,2-Dichlorobenzene	1.463	1.373	-	6.2	20	95	0
Benzyl alcohol	0.972	0.931	-	4.2	20	94	0
Bis(2-chloroisopropyl)ethe	1.674	2.015	-	-20.4*	20	120	0
2-Methylphenol	1.055	1.037	-	1.7	20	94	0
Hexachloroethane	0.561	0.536	-	4.5	20	96	0
n-Nitrosodi-n-propylamine	0.904	0.799	-	11.6	20	86	0
3-Methylphenol/4-Methylphe	1.169	1.104	-	5.6	20	94	0
Nitrobenzene-d5	1.275	1.202	-	5.7	20	90	0
Nitrobenzene	1.302	1.219	-	6.4	20	91	0
Isophorone	2.405	2.17	-	9.8	20	87	0
2-Nitrophenol	0.593	0.647	-	-9.1	20	102	0
2,4-Dimethylphenol	1.237	1.19	-	3.8	20	92	0
Bis(2-chloroethoxy)methane	1.616	1.5	-	7.2	20	94	0
2,4-Dichlorophenol	1.135	1.101	-	3	20	92	0
1,2,4-Trichlorobenzene	1.44	1.245	-	13.5	20	88	0
IS1_Naphthalene-d8	1	1	-	0	20	99	0
Naphthalene	1.025	0.935	-	8.8	20	94	0
Benzoic Acid	5	3.392	-	32.2*	20	76	0
4-Chloroaniline	0.128	0.124	-	3.1	20	94	0
Hexachlorobutadiene	0.261	0.199	-	23.8*	20	80	0
p-Chloro-m-cresol	0.287	0.278	-	3.1	20	97	0
2-Methylnaphthalene	0.638	0.58	-	9.1	20	94	0
1-Methylnaphthalene	0.244	0.216	-	11.5	20	91	0
Hexachlorocyclopentadiene	0.315	0.258	-	18.1	20	83	0
2,4,6-Trichlorophenol	0.27	0.239	-	11.5	20	90	0
2,4,5-Trichlorophenol	0.273	0.247	-	9.5	20	87	0
2-Fluorobiphenyl	0.916	0.762	-	16.8	20	86	0
2-Chloronaphthalene	0.748	0.658	-	12	20	90	0
2-Nitroaniline	0.202	0.21	-	-4	20	100	0
1,4-Dinitrobenzene	0.11	0.099	-	10	20	90	0
1,3-Dinitrobenzene	0.123	0.117	-	4.9	20	93	0
Dimethyl phthalate	0.959	0.823	-	14.2	20	88	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM GROUNDWATER EVENT
 Instrument ID : SV112
 Lab File ID : ABN0621
 Sample No : WG2081810-3
 Channel :

Lab Number : L2538805
 Project Number : 2232.0006Y005
 Calibration Date : 06/21/25 11:28
 Init. Calib. Date(s) : 03/13/25 03/14/25
 Init. Calib. Times : 13:47 00:48

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Acenaphthylene	1.213	1.078	-	11.1	20	88	0
2,6-Dinitrotoluene	0.176	0.176	-	0	20	91	0
1,2-Dinitrobenzene	0.081	0.075	-	7.4	20	91	0
IS1_Acenaphthene-d10	1	1	-	0	20	94	0
3-Nitroaniline	0.309	0.314	-	-1.6	20	94	0
Acenaphthene	1.072	0.987	-	7.9	20	92	0
2,4-Dinitrophenol	5	4.031	-	19.4	20	87	0
Dibenzofuran	1.844	1.594	-	13.6	20	87	0
2,4-Dinitrotoluene	0.402	0.398	-	1	20	91	0
4-Nitrophenol	0.229	0.268	-	-17	20	102	0
2,3,5,6-Tetrachlorophenol	0.392	0.361	-	7.9	20	83	0
2,3,4,6-Tetrachlorophenol	0.4	0.35	-	12.5	20	81	0
Diethyl phthalate	1.497	1.378	-	7.9	20	89	0
Fluorene	1.449	1.282	-	11.5	20	87	0
4-Chlorophenyl phenyl ethe	0.764	0.627	-	17.9	20	83	0
4-Nitroaniline	0.322	0.317	-	1.6	20	90	0
4,6-Dinitro-o-cresol	0.234	0.233	-	0.4	20	91	0
NDPA/DPA	1.191	1.082	-	9.2	20	86	0
Azobenzene	1.339	1.209	-	9.7	20	84	0
2,4,6-Tribromophenol	0.241	0.186	-	22.8*	20	77	0
4-Bromophenyl phenyl ether	0.498	0.384	-	22.9*	20	79	0
Hexachlorobenzene	0.586	0.432	-	26.3*	20	76	0
Pentachlorophenol	0.315	0.305	-	3.2	20	86	0
IS1_Phenanthrene-d10	1	1	-	0	20	90	0
Phenanthrene	1.091	0.972	-	10.9	20	87	0
Anthracene	1.047	0.991	-	5.3	20	87	0
Carbazole	0.974	0.924	-	5.1	20	87	0
Di-n-butylphthalate	1.09	1.123	-	-3	20	91	0
Fluoranthene	1.279	1.171	-	8.4	20	84	0
Benzidine	0.692	0.806	-	-16.5	20	99	0
Pyrene	1.335	1.255	-	6	20	84	0
4-Terphenyl-d14	1.046	0.853	-	18.5	20	75	0
Butyl benzyl phthalate	0.474	0.519	-	-9.5	20	101	0
IS1_Chrysene-d12	1	1	-	0	20	82	0
Benzo(a)anthracene	1.245	1.182	-	5.1	20	80	0
3,3'-Dichlorobenzidine	0.447	0.427	-	4.5	20	77	0
Chrysene	1.192	1.13	-	5.2	20	81	0
Bis(2-ethylhexyl)phthalate	0.622	0.758	-	-21.9*	20	95	0
Di-n-octylphthalate	0.994	1.318	-	-32.6*	20	102	0
Benzo(b)fluoranthene	1.202	1.218	-	-1.3	20	78	0
Benzo(k)fluoranthene	1.2	1.112	-	7.3	20	80	0
Benzo(a)pyrene	1.127	1.101	-	2.3	20	79	0
IS1_Perylene-d12	1	1	-	0	20	83	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Instrument ID	: SV112	Calibration Date	: 06/21/25 11:28
Lab File ID	: ABN0621	Init. Calib. Date(s)	: 03/13/25 03/14/25
Sample No	: WG2081810-3	Init. Calib. Times	: 13:47 00:48
Channel	:		

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Indeno(1,2,3-cd)pyrene	1.096	0.973	-	11.2	20	79	0
Dibenzo(a,h)anthracene	1.063	0.986	-	7.2	20	78	0
Benzo(ghi)perylene	1.099	1.005	-	8.6	20	79	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : Roux Env. Eng. & Geology, DPC Project Name : CORAM GROUNDWATER EVENT Instrument ID : SV112 Lab File ID : AP90621 Sample No : WG2081810-4 Channel :	Lab Number : L2538805 Project Number : 2232.0006Y005 Calibration Date : 06/21/25 11:50 Init. Calib. Date(s) : 03/13/25 03/14/25 Init. Calib. Times : 13:47 00:48
--	---

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS2_1,4-Dichlorobenzene-d4	1	1	-	0	20	103	0
Benzaldehyde	0.954	0.987	-	-3.5	20	105	0
Acetophenone	1.731	1.776	-	-2.6	20	109	0
m-Toluidine	1.562	1.493	-	4.4	20	96	0
2-Chloroaniline	1.509	1.584	-	-5	20	108	0
IS2_Naphthalene-d8	1	1	-	0	20	107	0
a-Terpineol	0.253	0.314	-	-24.1*	20	136	0
3-Chloroaniline	0.13	0.143	-	-10	20	107	0
2,6-Dichlorophenol	0.285	0.295	-	-3.5	20	114	0
1-chloro-2-nitrobenzene	0.138	0.138	-	0	20	110	0
Caprolactam	5	5.884	-	-17.7	20	152	0
1,2,4,5-Tetrachlorobenzene	0.438	0.371	-	15.3	20	92	0
Biphenyl	0.89	0.845	-	5.1	20	104	0
IS2_Acenaphthene-d10	1	1	-	0	20	104	0
Dichloran	0.183	0.185	-	-1.1	20	114	0
Pentachloronitrobenzene	0.195	0.199	-	-2.1	20	105	0
IS2_Phenanthrene-d10	1	1	-	0	20	99	0
Diphenamid	0.446	0.475	-	-6.5	20	108	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : Roux Env. Eng. & Geology, DPC Project Name : CORAM GROUNDWATER EVENT Instrument ID : SV112 Lab File ID : ADP0621 Sample No : WG2081810-5 Channel :	Lab Number : L2538805 Project Number : 2232.0006Y005 Calibration Date : 06/21/25 12:13 Init. Calib. Date(s) : 03/13/25 03/14/25 Init. Calib. Times : 13:47 00:48
--	---

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
IS3_1,4-Dichlorobenzene-d4	1	1	-	0	20	84	0
1,4-Dioxane	0.481	0.468	-	2.7	20	90	0
n-Decane	1.328	1.629	-	-22.7*	20	111	0
IS3_Acenaphthene-d10	1	1	-	0	20	86	0
Atrazine	0.47	0.414	-	11.9	20	83	0
IS3_Phenanthrene-d10	1	1	-	0	20	80	0
n-Octadecane	0.389	0.56	-	-44*	20	126	0
Parathion	5	6.508	-	-30.2*	20	108	0
3,3'-Dimethylbenzidine	5	3.719	-	25.6*	20	65	0

* Value outside of QC limits.



Evaluate Continuing Calibration Report

Data Path : I:\8270\SV112\250621RVTb\
 Data File : ABN0621.D
 Acq On : 21 Jun 2025 11:28 am
 Operator : SV112:smz
 Sample : wg2081810-3,32,,ABN 11297 gmr0620A
 Misc : wg2081810,,ical22084
 ALS Vial : 142 Sample Multiplier: 1

Quant Time: Jun 21 12:13:17 2025
 Quant Method : I:\8270\SV112\250621RVTb\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Jun 21 12:13:50 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 I	IS1_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	96	0.00
2 T	n-Nitrosodimethylamine	0.695	0.683	1.7	92	0.00
3 T	Pyridine	1.215	0.893	26.5#	71	0.00
4 S	2-Fluorophenol	1.083	1.019	5.9	90	0.00
5 T	Aniline	1.770	1.721	2.8	88	0.00
6 T	2-Chlorophenol	1.247	1.197	4.0	94	0.00
7 S	Phenol-d6	1.350	1.277	5.4	91	0.00
8 T	Phenol	1.592	1.382	13.2	84	0.00
9 T	Bis(2-chloroethyl)ether	1.152	1.109	3.7	92	0.00
10 T	1,3-Dichlorobenzene	1.473	1.362	7.5	93	0.00
11 T	1,4-Dichlorobenzene	1.525	1.391	8.8	91	0.00
12 T	1,2-Dichlorobenzene	1.463	1.373	6.2	95	0.00
13 T	Benzyl alcohol	0.972	0.931	4.2	94	0.00
14 T	Bis(2-chloroisopropyl)ether	1.674	2.015	-20.4#	120	0.00
15 T	2-Methylphenol	1.055	1.037	1.7	94	0.00
16 T	Hexachloroethane	0.561	0.536	4.5	96	0.00
17 T	n-Nitrosodi-n-propylamine	0.904	0.799	11.6	86	0.00
18 T	3-Methylphenol/4-Methylphen	1.169	1.104	5.6	94	0.00
19 S	Nitrobenzene-d5	1.275	1.202	5.7	90	0.00
20 T	Nitrobenzene	1.302	1.219	6.4	91	0.00
21 T	Isophorone	2.405	2.170	9.8	87	0.00
22 T	2-Nitrophenol	0.593	0.647	-9.1	102	0.00
23 T	2,4-Dimethylphenol	1.237	1.190	3.8	92	0.00
24 T	Bis(2-chloroethoxy)methane	1.616	1.500	7.2	94	0.00
25 T	2,4-Dichlorophenol	1.135	1.101	3.0	92	0.00
26 T	1,2,4-Trichlorobenzene	1.440	1.245	13.5	88	0.00
35 I	IS1_Naphthalene-d8	1.000	1.000	0.0	99	0.00
36 T	Naphthalene	1.025	0.935	8.8	94	0.00
37 T	Benzoic Acid	* 5.000	3.392	32.2#	76	0.00
38 T	4-Chloroaniline	0.128	0.124	3.1	94	0.00
39 T	Hexachlorobutadiene	0.261	0.199	23.8#	80	0.00
40 T	p-Chloro-m-cresol	0.287	0.278	3.1	97	0.00
41 T	2-Methylnaphthalene	0.638	0.580	9.1	94	0.00
42 T	1-Methylnaphthalene	0.244	0.216	11.5	91	0.00
43 T	Hexachlorocyclopentadiene	0.315	0.258	18.1	83	0.00
44 T	2,4,6-Trichlorophenol	0.270	0.239	11.5	90	0.00
45 T	2,4,5-Trichlorophenol	0.273	0.247	9.5	87	0.00
46 S	2-Fluorobiphenyl	0.916	0.762	16.8	86	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV112\250621RVTb\
 Data File : ABN0621.D
 Acq On : 21 Jun 2025 11:28 am
 Operator : SV112:smz
 Sample : wg2081810-3,32,,ABN 11297 gmr0620A
 Misc : wg2081810,,ical22084
 ALS Vial : 142 Sample Multiplier: 1

Quant Time: Jun 21 12:13:17 2025
 Quant Method : I:\8270\SV112\250621RVTb\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Jun 21 12:13:50 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
47 T	2-Chloronaphthalene	0.748	0.658	12.0	90	0.00
48 T	2-Nitroaniline	0.202	0.210	-4.0	100	0.00
49 T	1,4-Dinitrobenzene	0.110	0.099	10.0	90	0.00
50 T	1,3-Dinitrobenzene	0.123	0.117	4.9	93	0.00
51 T	Dimethyl phthalate	0.959	0.823	14.2	88	0.00
52 T	Acenaphthylene	1.213	1.078	11.1	88	0.00
53 T	2,6-Dinitrotoluene	0.176	0.176	0.0	91	0.00
54 T	1,2-Dinitrobenzene	0.081	0.075	7.4	91	0.00
63 I	IS1_Acenaphthene-d10	1.000	1.000	0.0	94	0.00
64 T	3-Nitroaniline	0.309	0.314	-1.6	94	0.00
65 T	Acenaphthene	1.072	0.987	7.9	92	0.00
66 T	2,4-Dinitrophenol	* 5.000	4.031	19.4	87	0.00
67 T	Dibenzofuran	1.844	1.594	13.6	87	0.00
68 T	2,4-Dinitrotoluene	0.402	0.398	1.0	91	0.00
69 T	4-Nitrophenol	0.229	0.268	-17.0	102	0.00
70 T	2,3,5,6-Tetrachlorophenol	0.392	0.361	7.9	83	0.00
71 T	2,3,4,6-Tetrachlorophenol	0.400	0.350	12.5	81	0.00
72 T	Diethyl phthalate	1.497	1.378	7.9	89	0.00
73 T	Fluorene	1.449	1.282	11.5	87	0.00
74 T	4-Chlorophenyl phenyl ether	0.764	0.627	17.9	83	0.00
75 T	4-Nitroaniline	0.322	0.317	1.6	90	0.00
76 T	4,6-Dinitro-o-cresol	0.234	0.233	0.4	91	0.00
77 T	NDPA/DPA	1.191	1.082	9.2	86	0.00
78 T	Azobenzene	1.339	1.209	9.7	84	0.00
79 S	2,4,6-Tribromophenol	0.241	0.186	22.8#	77	0.00
80 T	4-Bromophenyl phenyl ether	0.498	0.384	22.9#	79	0.00
81 T	Hexachlorobenzene	0.586	0.432	26.3#	76	0.00
82 T	Pentachlorophenol	0.315	0.305	3.2	86	0.00
88 I	IS1_Phenanthrene-d10	1.000	1.000	0.0	90	0.00
89 T	Phenanthrene	1.091	0.972	10.9	87	0.00
90 T	Anthracene	1.047	0.991	5.3	87	0.00
91 T	Carbazole	0.974	0.924	5.1	87	0.00
92 T	Di-n-butylphthalate	1.090	1.123	-3.0	91	0.00
93 T	Fluoranthene	1.279	1.171	8.4	84	0.00
94 T	Benzidine	0.692	0.806	-16.5	99	0.00
95 T	Pyrene	1.335	1.255	6.0	84	0.00
96 S	4-Terphenyl-d14	1.046	0.853	18.5	75	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV112\250621RVTb\
 Data File : ABN0621.D
 Acq On : 21 Jun 2025 11:28 am
 Operator : SV112:smz
 Sample : wg2081810-3,32,,ABN 11297 gmr0620A
 Misc : wg2081810,,ical22084
 ALS Vial : 142 Sample Multiplier: 1

Quant Time: Jun 21 12:13:17 2025
 Quant Method : I:\8270\SV112\250621RVTb\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Jun 21 12:13:50 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
97 T	Butyl benzyl phthalate	0.474	0.519	-9.5	101	0.00
104 I	IS1_Chrysene-d12	1.000	1.000	0.0	82	0.00
105 T	Benzo(a)anthracene	1.245	1.182	5.1	80	0.00
106 T	3,3'-Dichlorobenzidine	0.447	0.427	4.5	77	0.00
107 T	Chrysene	1.192	1.130	5.2	81	0.00
108 T	Bis(2-ethylhexyl)phthalate	0.622	0.758	-21.9#	95	0.00
109 T	Di-n-octylphthalate	0.994	1.318	-32.6#	102	0.00
110 T	Benzo(b)fluoranthene	1.202	1.218	-1.3	78	0.00
111 T	Benzo(k)fluoranthene	1.200	1.112	7.3	80	0.00
112 T	Benzo(a)pyrene	1.127	1.101	2.3	79	0.00
113 I	IS1_Perylene-d12	1.000	1.000	0.0	83	0.00
114 T	Indeno(1,2,3-cd)pyrene	1.096	0.973	11.2	79	0.00
115 T	Dibenzo(a,h)anthracene	1.063	0.986	7.2	78	0.00
116 T	Benzo(ghi)perylene	1.099	1.005	8.6	79	0.00

* Evaluation of CC level amount vs concentration.
 (#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250621RVTb\
 Data File : ABN0621.D
 Acq On : 21 Jun 2025 11:28 am
 Operator : SV112:smz
 Sample : wg2081810-3,32,,ABN 11297 gmr0620A
 Misc : wg2081810,,ical22084
 ALS Vial : 142 Sample Multiplier: 1

Quant Time: Jun 21 12:13:17 2025
 Quant Method : I:\8270\SV112\250621RVTb\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Jun 21 12:13:50 2025
 Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) IS1_1,4-Dichlorobenzen...	3.713	152	22450	4.000	ug/ml	0.00
35) IS1_Naphthalene-d8	4.972	136	86605	4.000	ug/ml	0.00
63) IS1_Acenaphthene-d10	6.654	164	53004	4.000	ug/ml	0.00
88) IS1_Phenanthrene-d10	8.048	188	110288	4.000	ug/ml	0.00
104) IS1_Chrysene-d12	10.560	240	115775	4.000	ug/ml	0.00
113) IS1_Perylene-d12	11.919	264	127514	4.000	ug/ml	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	2.337	112	28601	4.707	ug/ml	0.00
Spiked Amount	2.000	Range 15 - 110	Recovery	=	235.35%#	
7) Phenol-d6	3.443	99	35827	4.727	ug/ml	0.00
Spiked Amount	2.000	Range 15 - 110	Recovery	=	236.35%#	
19) Nitrobenzene-d5	4.284	82	33741	4.714	ug/ml	0.00
Spiked Amount	1.000	Range 30 - 130	Recovery	=	471.40%#	
46) 2-Fluorobiphenyl	6.054	172	82526	4.161	ug/ml	0.00
Spiked Amount	1.000	Range 30 - 130	Recovery	=	416.10%#	
79) 2,4,6-Tribromophenol	7.407	330	12354	3.862	ug/ml	0.00
Spiked Amount	2.000	Range 15 - 110	Recovery	=	193.10%#	
96) 4-Terphenyl-d14	9.619	244	117591	4.077	ug/ml	0.00
Spiked Amount	1.000	Range 30 - 130	Recovery	=	407.70%#	
Target Compounds						
					Qvalue	
2) n-Nitrosodimethylamine	1.084	74	19154	4.908	ug/ml#	88
3) Pyridine	1.096	79	25066	3.675	ug/ml	86
5) Aniline	3.390	93	48308	4.862	ug/ml	99
6) 2-Chlorophenol	3.502	128	33585	4.797	ug/ml	96
8) Phenol	3.455	94	38769	4.339	ug/ml	96
9) Bis(2-chloroethyl)ether	3.502	93	31117	4.811	ug/ml#	64
10) 1,3-Dichlorobenzene	3.649	146	38211	4.623	ug/ml	97
11) 1,4-Dichlorobenzene	3.731	146	39042	4.561	ug/ml	97
12) 1,2-Dichlorobenzene	3.878	146	38531	4.694	ug/ml	97
13) Benzyl alcohol	3.908	79	26132	4.789	ug/ml	99
14) Bis(2-chloroisopropyl)...	4.060	45	56540	6.019	ug/ml#	77
15) 2-Methylphenol	4.066	108	29111	4.915	ug/ml	99
16) Hexachloroethane	4.207	117	15050	4.782	ug/ml#	76
17) n-Nitrosodi-n-propylamine	4.184	70	22426	4.418	ug/ml	96
18) 3-Methylphenol/4-Methy...	4.231	108	30995	4.724	ug/ml	96
20) Nitrobenzene	4.302	77	34212	4.682	ug/ml	99
21) Isophorone	4.555	82	60897	4.512	ug/ml	99
22) 2-Nitrophenol	4.625	139	18163	5.455	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250621RVTb\
 Data File : ABN0621.D
 Acq On : 21 Jun 2025 11:28 am
 Operator : SV112:smz
 Sample : wg2081810-3,32,,ABN 11297 gmr0620A
 Misc : wg2081810,,ical22084
 ALS Vial : 142 Sample Multiplier: 1

Quant Time: Jun 21 12:13:17 2025
 Quant Method : I:\8270\SV112\250621RVTb\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Jun 21 12:13:50 2025
 Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
23)	2,4-Dimethylphenol	4.743	107	33398	4.810	ug/ml	99
24)	Bis(2-chloroethoxy)met...	4.819	93	42084	4.640	ug/ml	99
25)	2,4-Dichlorophenol	4.872	162	30903	4.852	ug/ml	97
26)	1,2,4-Trichlorobenzene	4.937	180	34942	4.325	ug/ml	97
36)	Naphthalene	4.990	128	101224	4.560	ug/ml	99
37)	Benzoic Acid	4.849	105	15941	3.392	ug/ml	95
38)	4-Chloroaniline	5.090	65	13418	4.848	ug/ml	95
39)	Hexachlorobutadiene	5.155	225	21553	3.810	ug/ml	99
40)	p-Chloro-m-cresol	5.613	107	30139	4.852	ug/ml	96
41)	2-Methylnaphthalene	5.672	142	62761	4.541	ug/ml	98
42)	1-Methylnaphthalene	5.760	115	23381	4.429	ug/ml	96
43)	Hexachlorocyclopentadiene	5.843	237	27935	4.099	ug/ml	99
44)	2,4,6-Trichlorophenol	5.972	196	25867	4.425	ug/ml	99
45)	2,4,5-Trichlorophenol	6.002	196	26728	4.527	ug/ml	98
47)	2-Chloronaphthalene	6.125	162	71198	4.397	ug/ml	96
48)	2-Nitroaniline	6.254	138	22746	5.206	ug/ml	96
49)	1,4-Dinitrobenzene	6.396	168	10694	4.470	ug/ml	96
50)	1,3-Dinitrobenzene	6.466	168	12631	4.748	ug/ml	86
51)	Dimethyl phthalate	6.478	163	89053	4.287	ug/ml	100
52)	Acenaphthylene	6.507	152	116675	4.442	ug/ml	99
53)	2,6-Dinitrotoluene	6.507	165	19025	5.005	ug/ml#	74
54)	1,2-Dinitrobenzene	6.543	168	8158	4.627	ug/ml	89
64)	3-Nitroaniline	6.654	138	20833	5.094	ug/ml#	94
65)	Acenaphthene	6.684	154	65366	4.600	ug/ml	98
66)	2,4-Dinitrophenol	6.754	184	10276	4.031	ug/ml	89
67)	Dibenzofuran	6.849	168	105608	4.321	ug/ml	94
68)	2,4-Dinitrotoluene	6.884	165	26383	4.956	ug/ml#	85
69)	4-Nitrophenol	6.878	65	17767	5.846	ug/ml	95
70)	2,3,5,6-Tetrachlorophenol	6.954	232	23926	4.604	ug/ml	100
71)	2,3,4,6-Tetrachlorophenol	6.996	232	23191	4.378	ug/ml	99
72)	Diethyl phthalate	7.160	149	91294	4.602	ug/ml	98
73)	Fluorene	7.172	166	84926	4.423	ug/ml	98
74)	4-Chlorophenyl phenyl ...	7.213	204	41533	4.100	ug/ml#	86
75)	4-Nitroaniline	7.225	138	20982	4.922	ug/ml	98
76)	4,6-Dinitro-o-cresol	7.266	198	15438	4.983	ug/ml#	90
77)	NDPA/DPA	7.331	169	71664	4.542	ug/ml	97
78)	Azobenzene	7.354	77	80094M6	4.516	ug/ml	
80)	4-Bromophenyl phenyl e...	7.666	248	25432	3.857	ug/ml#	87
81)	Hexachlorobenzene	7.696	284	28612	3.688	ug/ml	91
82)	Pentachlorophenol	7.901	266	20233	4.847	ug/ml	98
89)	Phenanthrene	8.066	178	134035	4.457	ug/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250621RVTb\
 Data File : ABN0621.D
 Acq On : 21 Jun 2025 11:28 am
 Operator : SV112:smz
 Sample : wg2081810-3,32,,ABN 11297 gmr0620A
 Misc : wg2081810,,ical22084
 ALS Vial : 142 Sample Multiplier: 1

Quant Time: Jun 21 12:13:17 2025
 Quant Method : I:\8270\SV112\250621RVTb\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Jun 21 12:13:50 2025
 Response via : Initial Calibration

Sub List : ABNical - ABN ical sublist

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
90)	Anthracene	8.113	178	136624	4.733	ug/ml	100
91)	Carbazole	8.301	167	127424	4.747	ug/ml	99
92)	Di-n-butylphthalate	8.731	149	154757	5.148	ug/ml	99
93)	Fluoranthene	9.190	202	161404	4.576	ug/ml	97
94)	Benazidine	9.372	184	111097	5.821	ug/ml	98
95)	Pyrene	9.395	202	172977	4.698	ug/ml	99
97)	Butyl benzyl phthalate	10.137	149	71579	5.474	ug/ml	95
105)	Benzo(a)anthracene	10.554	228	171114	4.750	ug/ml	99
106)	3,3'-Dichlorobenzidine	10.584	252	61749	4.777	ug/ml	99
107)	Chrysene	10.584	228	163583	4.739	ug/ml	98
108)	Bis(2-ethylhexyl)phtha...	10.754	149	109760	6.096	ug/ml	100
109)	Di-n-octylphthalate	11.389	149	190787	6.635	ug/ml	99
110)	Benzo(b)fluoranthene	11.578	252	176213	5.066	ug/ml	99
111)	Benzo(k)fluoranthene	11.601	252	160882M3	4.631	ug/ml	
112)	Benzo(a)pyrene	11.866	252	159293	4.883	ug/ml	98
114)	Indeno(1,2,3-cd)pyrene	12.836	276	155074	4.439	ug/mL	97
115)	Dibenzo(a,h)anthracene	12.866	278	157175	4.637	ug/ml	97
116)	Benzo(ghi)perylene	13.036	276	160196	4.573	ug/ml	99

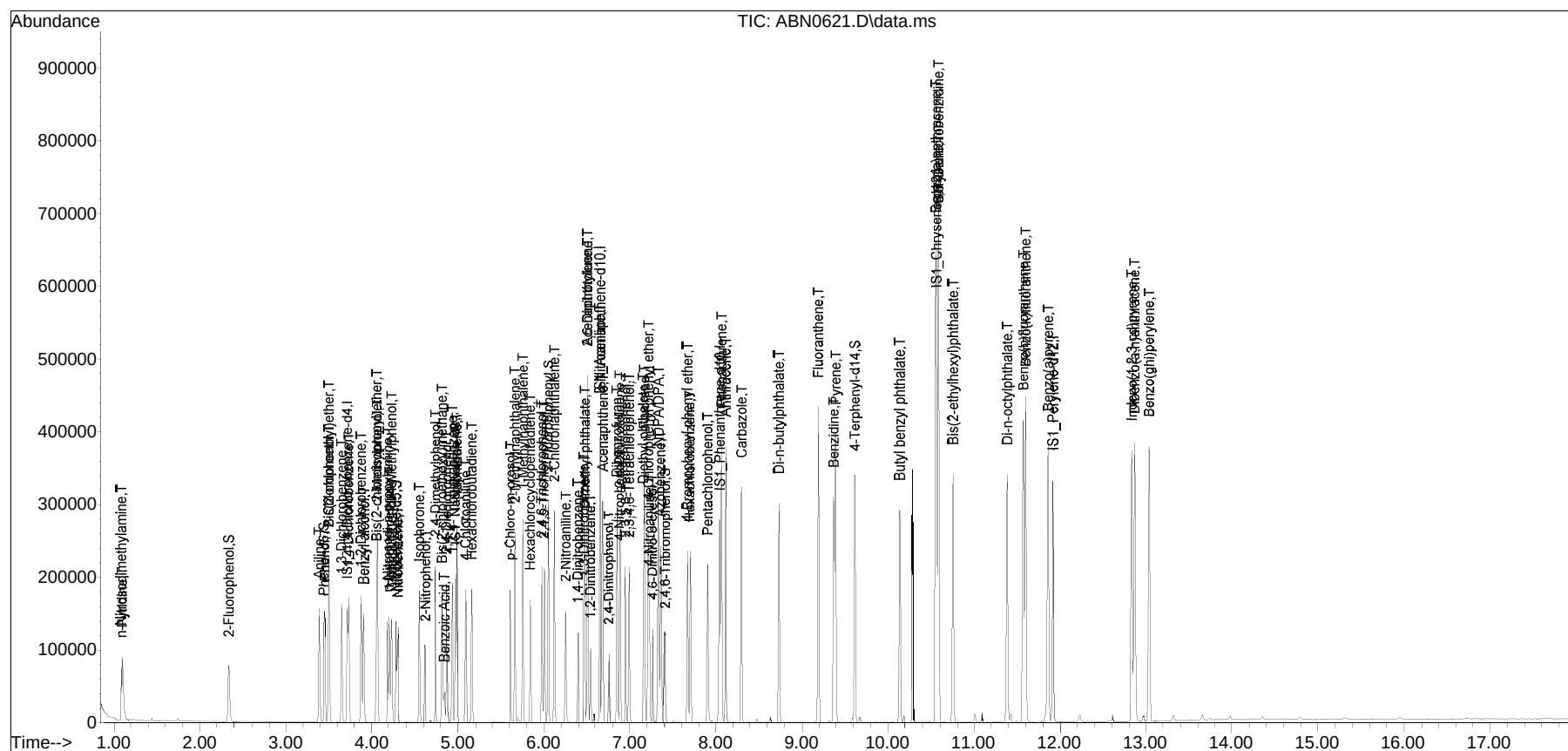
(#) = qualifier out of range (m) = manual integration (+) = signals summed

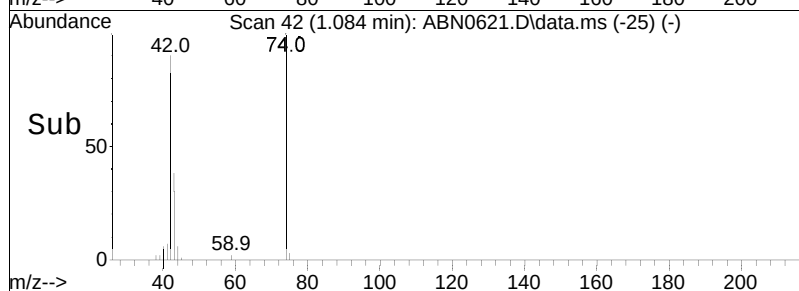
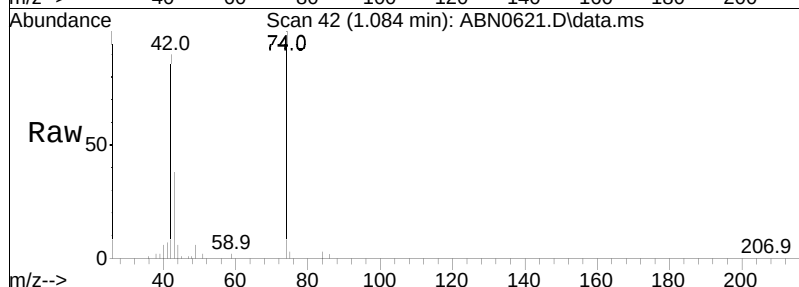
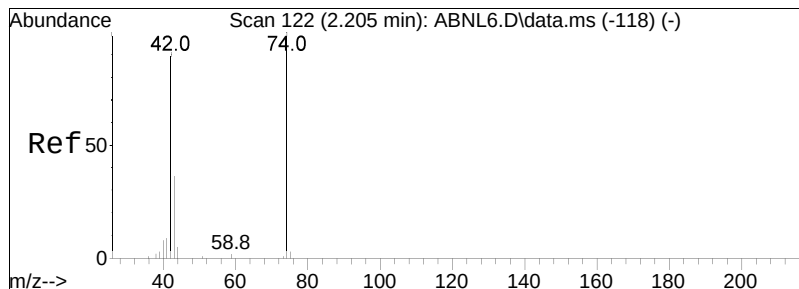
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250621RVTb\
Data File : ABN0621.D
Acq On : 21 Jun 2025 11:28 am
Operator : SV112:smz
Sample : wg2081810-3,32,,ABN 11297 gmr0620A
Misc : wg2081810,,ical22084
ALS Vial : 142 Sample Multiplier: 1

Quant Time: Jun 21 12:13:17 2025
Quant Method : I:\8270\SV112\250621RVTb\FS250313SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 21 12:13:50 2025
Response via : Initial Calibration

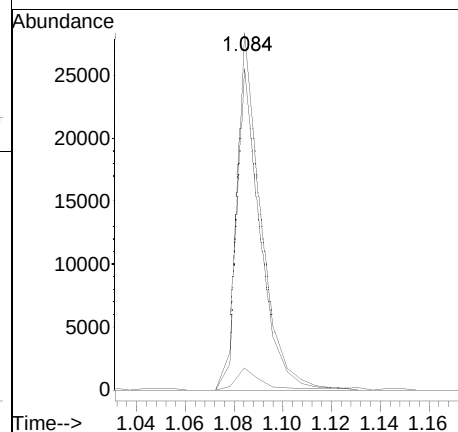
Sub List : ABNical - ABN ical sublist

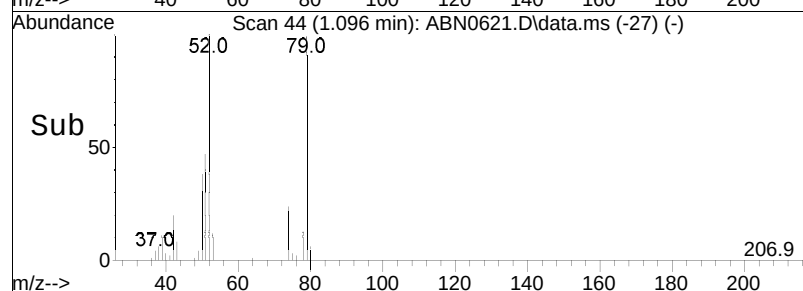
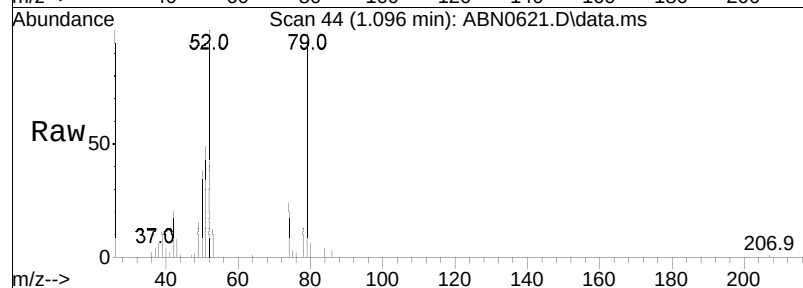
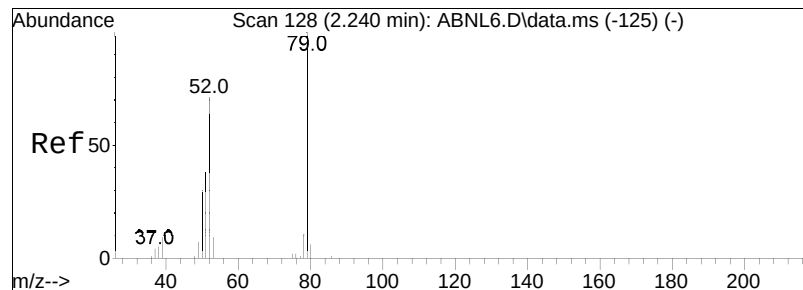




#2
 n-Nitrosodimethylamine
 Concen: 4.91 ug/ml
 RT: 1.084 min Scan# 42
 Delta R.T. 0.000 min
 Lab File: ABN0621.D
 Acq: 21 Jun 2025 11:28 am

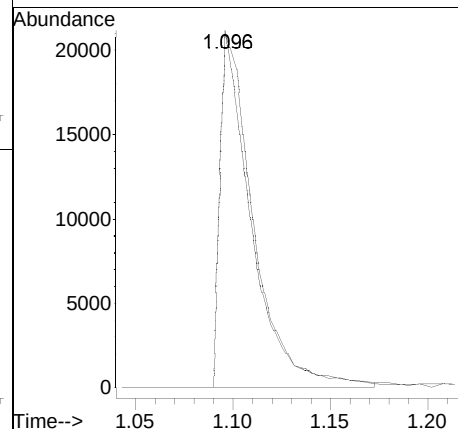
Tgt Ion: 74 Resp: 19154
 Ion Ratio Lower Upper
 74 100
 42 90.5 63.8 95.8
 44 6.9 4.3 6.5#

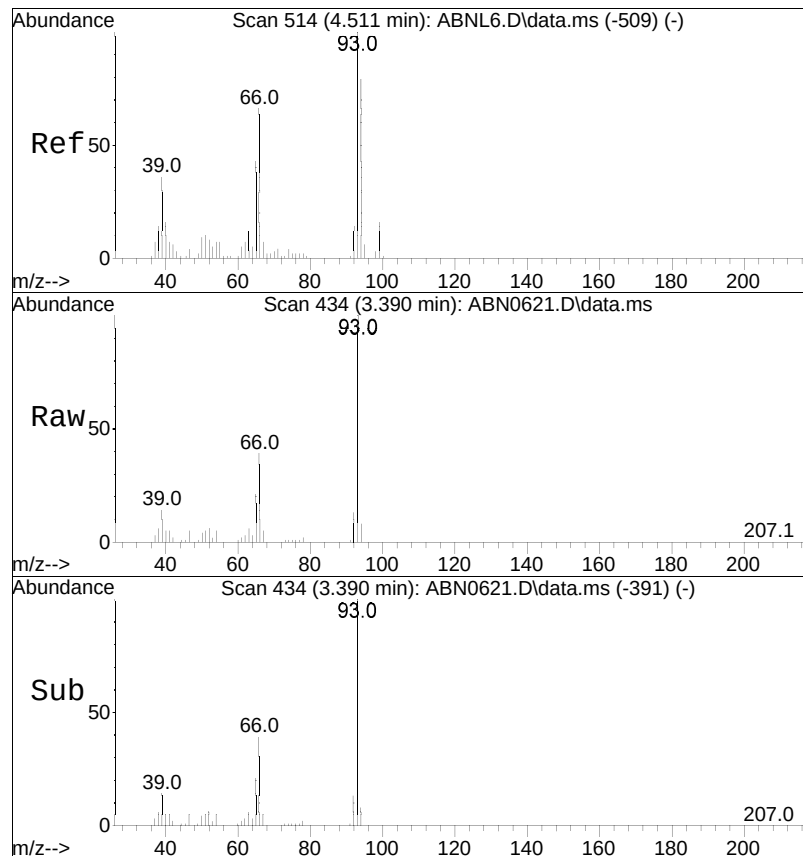




#3
 Pyridine
 Concen: 3.68 ug/ml
 RT: 1.096 min Scan# 44
 Delta R.T. 0.000 min
 Lab File: ABN0621.D
 Acq: 21 Jun 2025 11:28 am

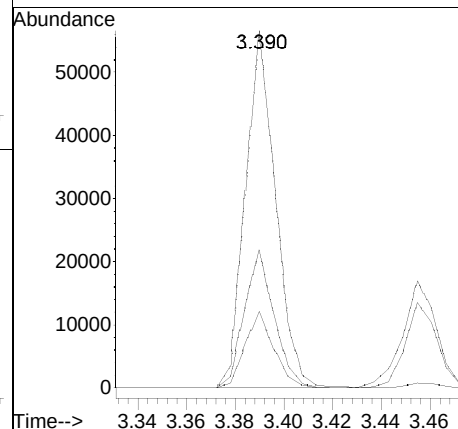
Tgt Ion	Ratio	Lower	Upper
79	100		
52	93.5	64.6	96.8

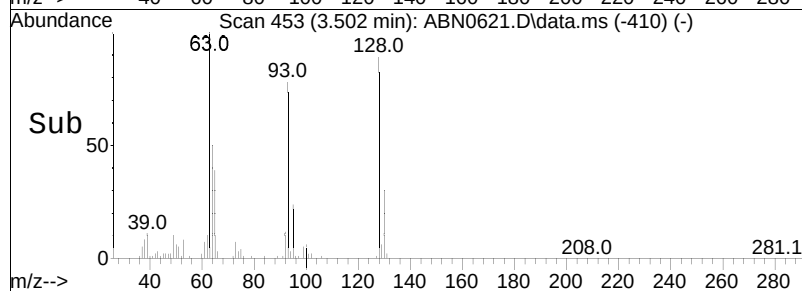
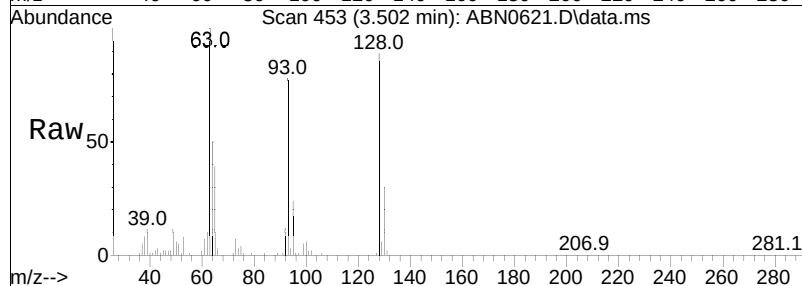
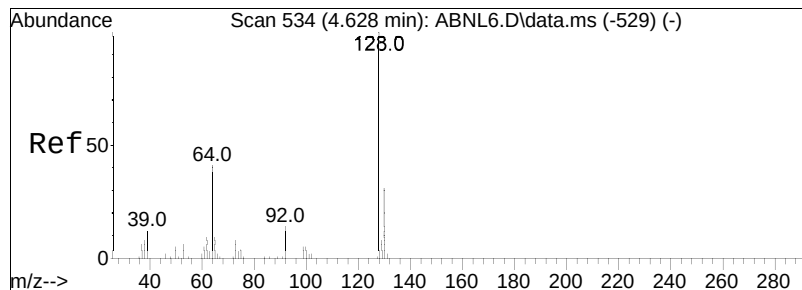




#5
 Aniline
 Concen: 4.86 ug/ml
 RT: 3.390 min Scan# 434
 Delta R.T. 0.000 min
 Lab File: ABN0621.D
 Acq: 21 Jun 2025 11:28 am

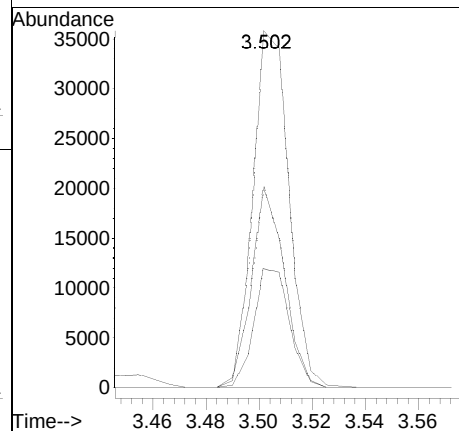
Tgt Ion:	93	Resp:	48308
Ion	Ratio	Lower	Upper
93	100		
66	38.3	31.3	46.9
65	20.5	16.6	25.0

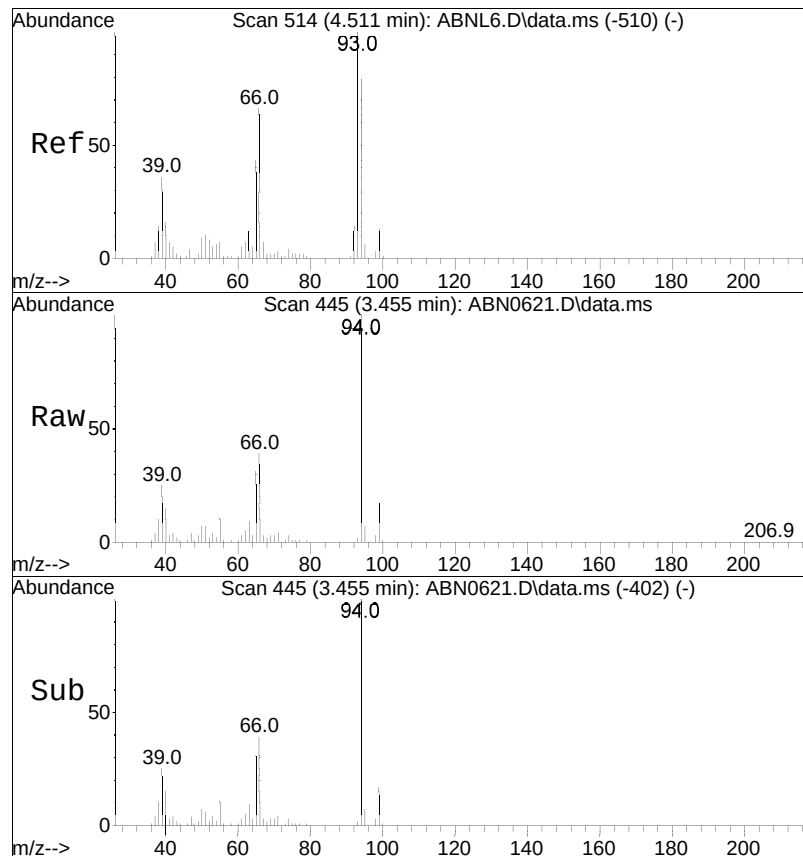




#6
 2-Chlorophenol
 Concen: 4.80 ug/ml
 RT: 3.502 min Scan# 453
 Delta R.T. 0.000 min
 Lab File: ABN0621.D
 Acq: 21 Jun 2025 11:28 am

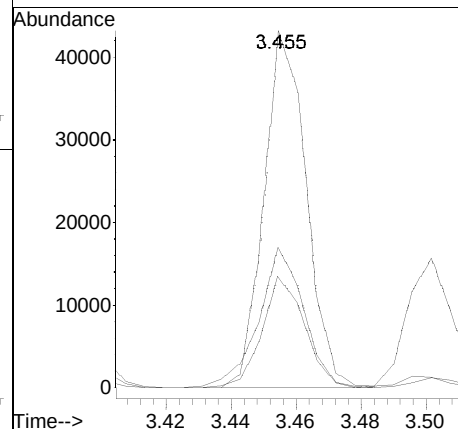
Tgt Ion:	128	Resp:	33585
Ion Ratio	Lower	Upper	
128	100		
64	51.5	38.2	57.4
130	33.2	26.2	39.2

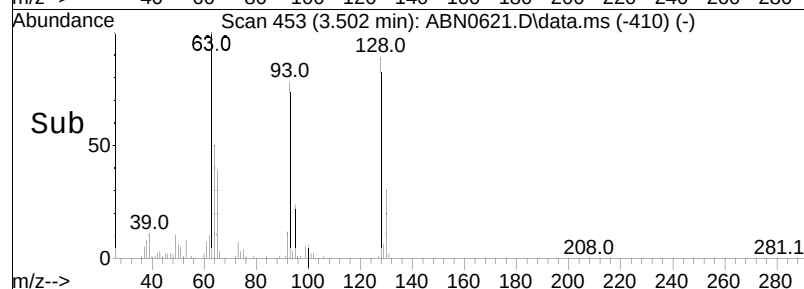
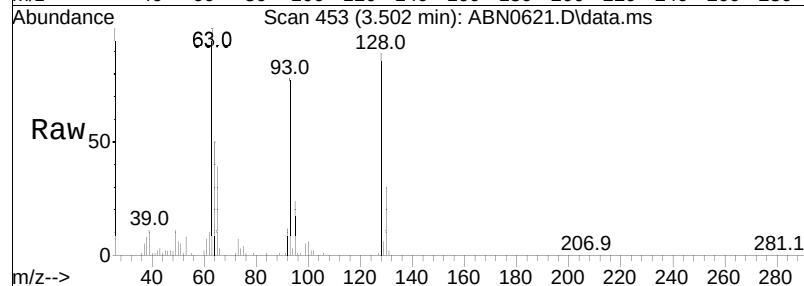
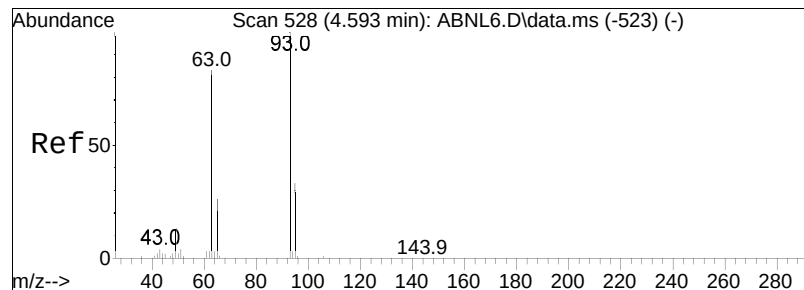




#8
 Phenol
 Concen: 4.34 ug/ml
 RT: 3.455 min Scan# 445
 Delta R.T. 0.000 min
 Lab File: ABN0621.D
 Acq: 21 Jun 2025 11:28 am

Tgt Ion:	94	Resp:	38769
Ion Ratio	Lower	Upper	
94	100		
65	31.4	23.0	34.6
66	42.1	32.1	48.1





#9

Bis(2-chloroethyl)ether

Concen: 4.81 ug/ml

RT: 3.502 min Scan# 453

Delta R.T. 0.000 min

Lab File: ABN0621.D

Acq: 21 Jun 2025 11:28 am

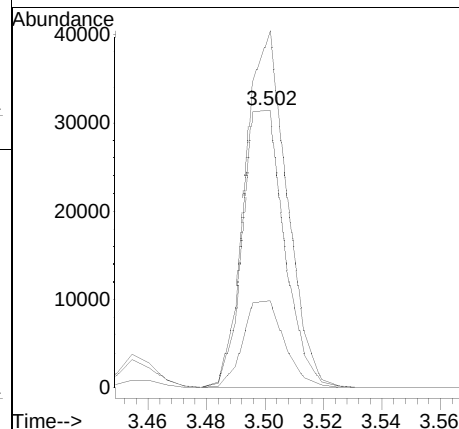
Tgt Ion: 93 Resp: 31117

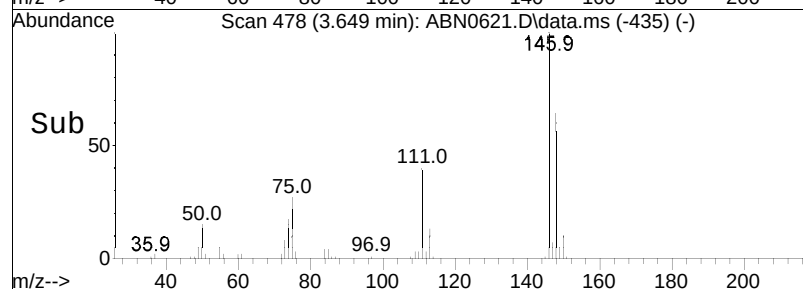
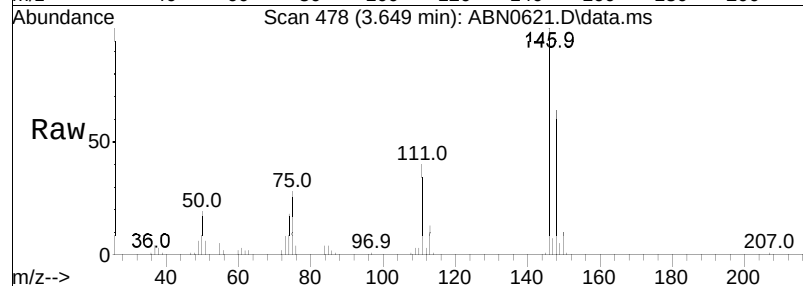
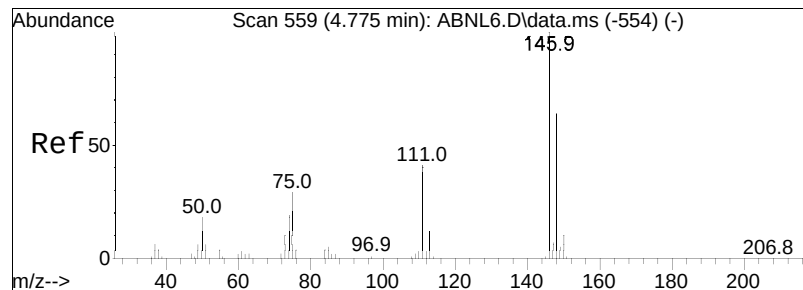
Ion Ratio Lower Upper

93 100

63 128.2 67.0 100.4#

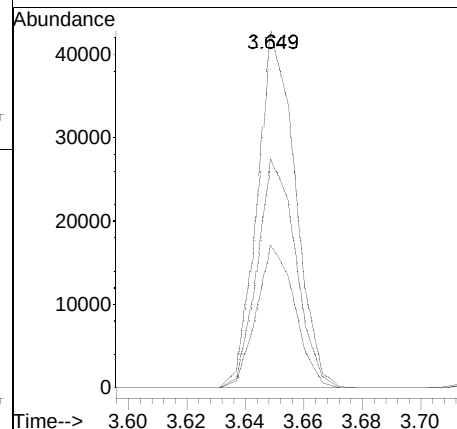
95 31.2 26.1 39.1

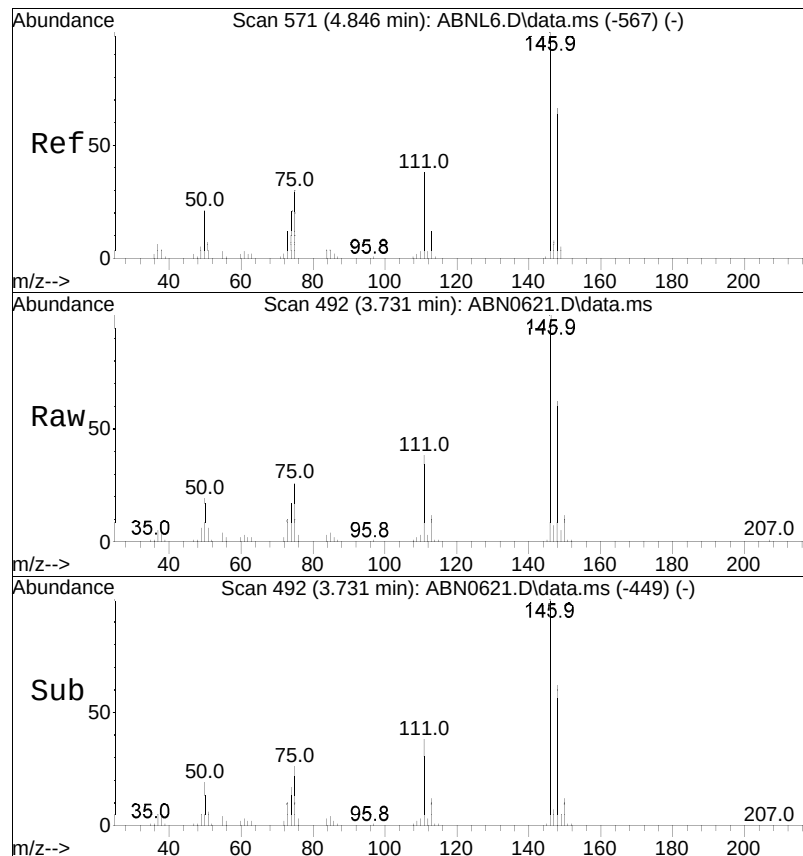




#10
 1,3-Dichlorobenzene
 Concen: 4.62 ug/ml
 RT: 3.649 min Scan# 478
 Delta R.T. 0.000 min
 Lab File: ABN0621.D
 Acq: 21 Jun 2025 11:28 am

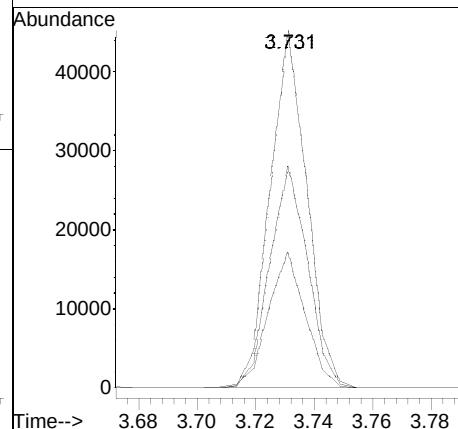
Tgt Ion	Ratio	Lower	Upper
146	100		
111	40.3	35.0	52.4
148	65.2	51.3	76.9

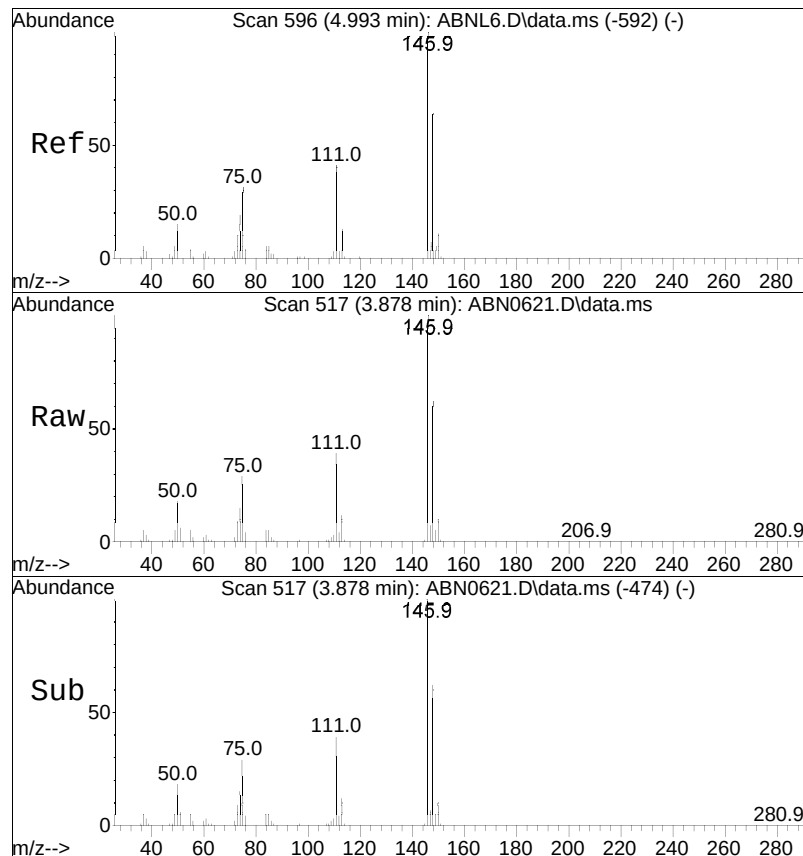




#11
 1,4-Dichlorobenzene
 Concen: 4.56 ug/ml
 RT: 3.731 min Scan# 492
 Delta R.T. 0.000 min
 Lab File: ABN0621.D
 Acq: 21 Jun 2025 11:28 am

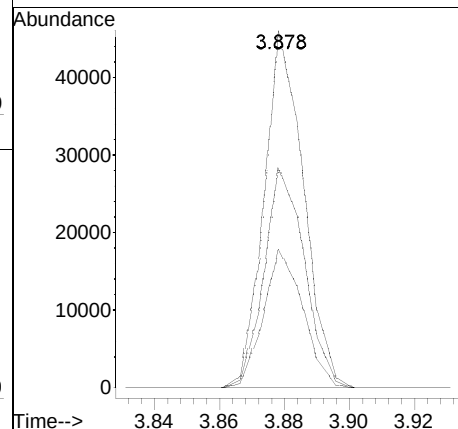
Tgt Ion:	146	Resp:	39042
Ion Ratio	Lower	Upper	
146	100		
148	64.2	51.1	76.7
111	38.8	34.4	51.6

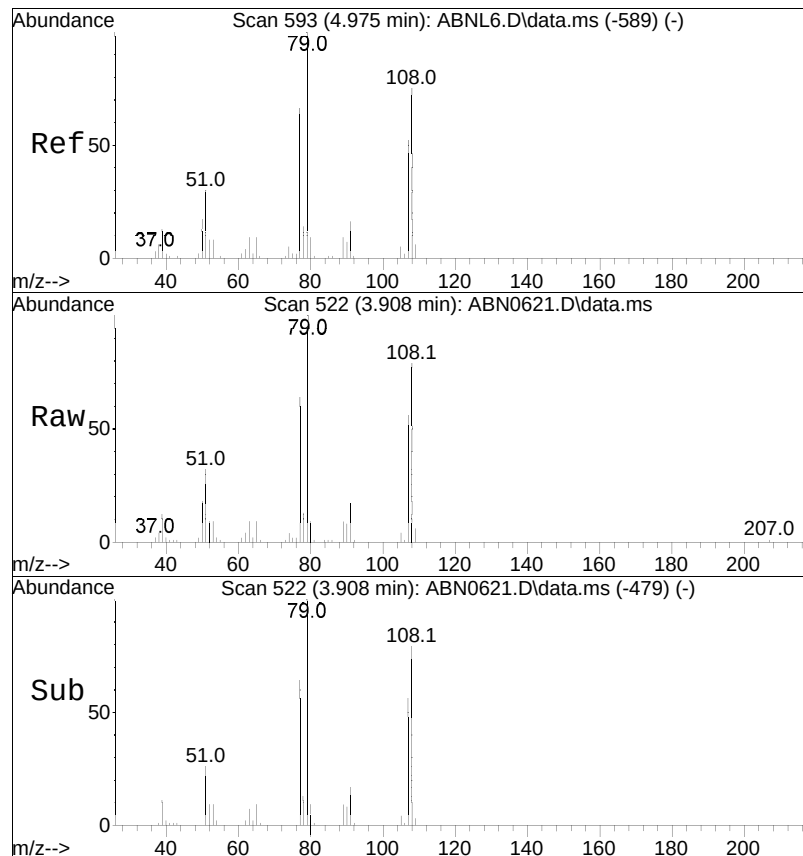




#12
 1,2-Dichlorobenzene
 Concen: 4.69 ug/ml
 RT: 3.878 min Scan# 517
 Delta R.T. 0.000 min
 Lab File: ABN0621.D
 Acq: 21 Jun 2025 11:28 am

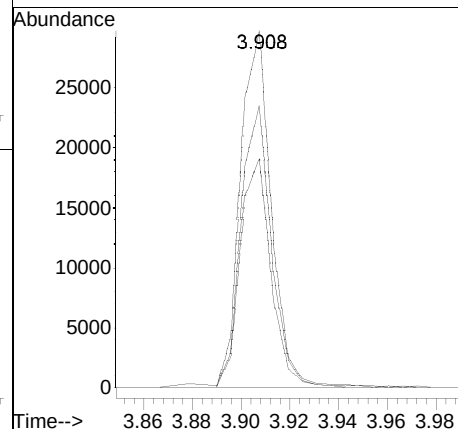
Tgt Ion:	146	Resp:	38531
Ion Ratio	Lower	Upper	
146	100		
111	39.2	35.5	53.3
148	63.2	50.6	76.0

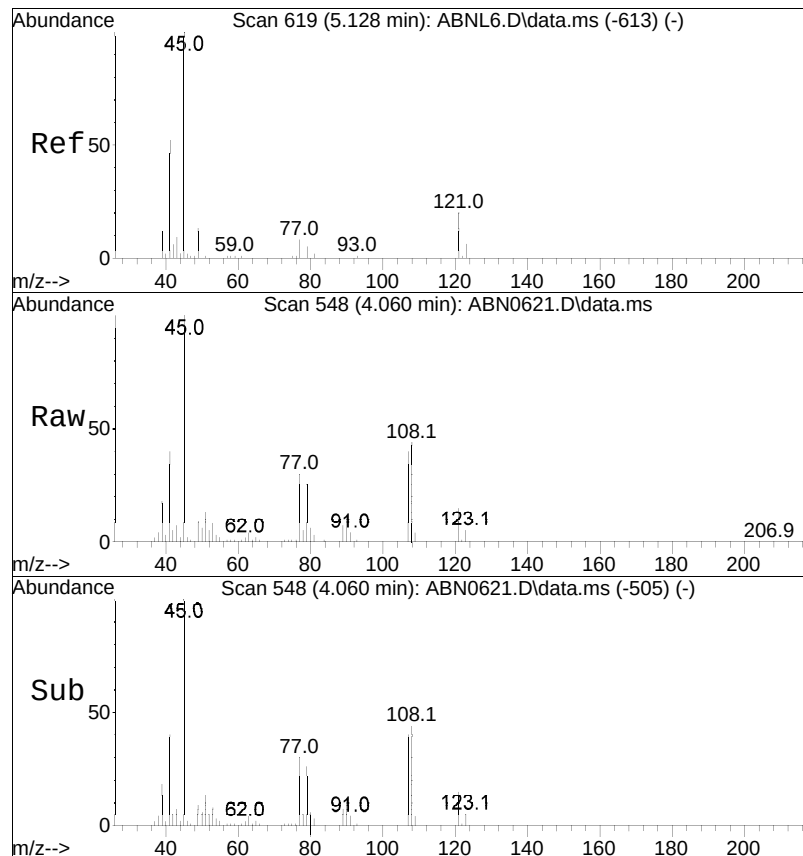




#13
 Benzyl alcohol
 Concen: 4.79 ug/ml
 RT: 3.908 min Scan# 522
 Delta R.T. 0.000 min
 Lab File: ABN0621.D
 Acq: 21 Jun 2025 11:28 am

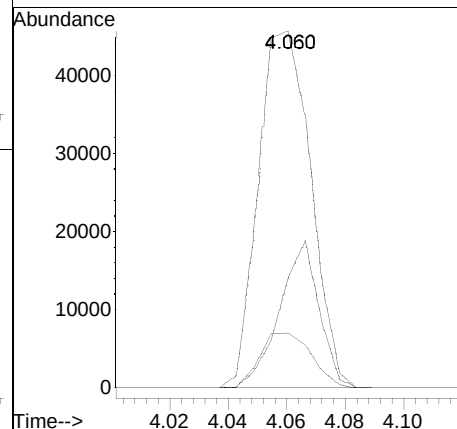
Tgt Ion	Ratio	Lower	Upper
79	100		
77	64.0	51.8	77.6
108	79.5	63.9	95.9

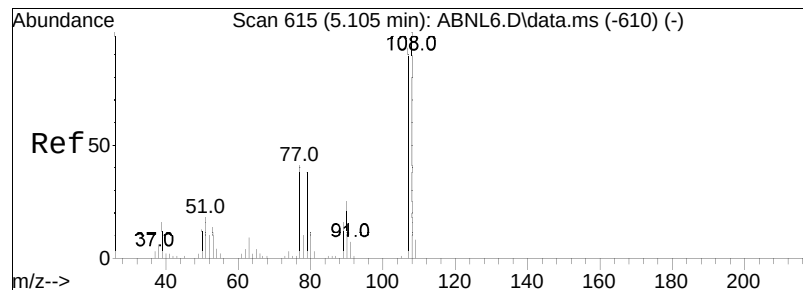




#14
 Bis(2-chloroisopropyl)ether
 Concen: 6.02 ug/ml
 RT: 4.060 min Scan# 548
 Delta R.T. 0.000 min
 Lab File: ABN0621.D
 Acq: 21 Jun 2025 11:28 am

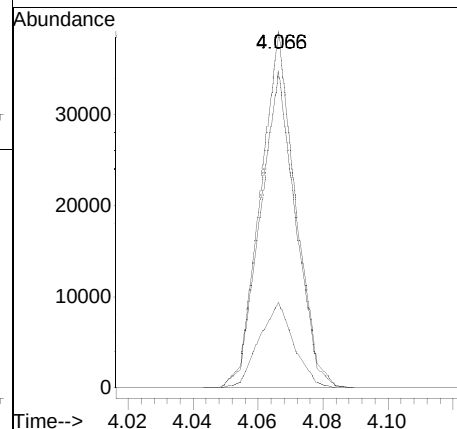
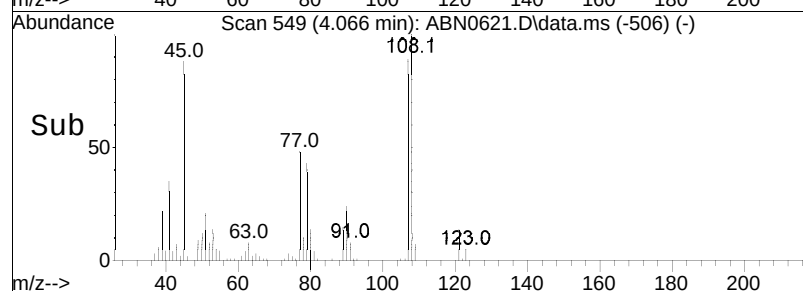
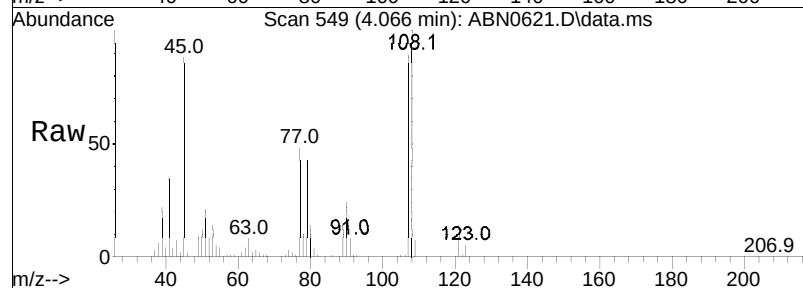
Tgt Ion:	45	Resp:	56540
Ion Ratio	Lower	Upper	
45	100		
121	15.2	14.8	22.2
77	31.3	10.5	15.7#

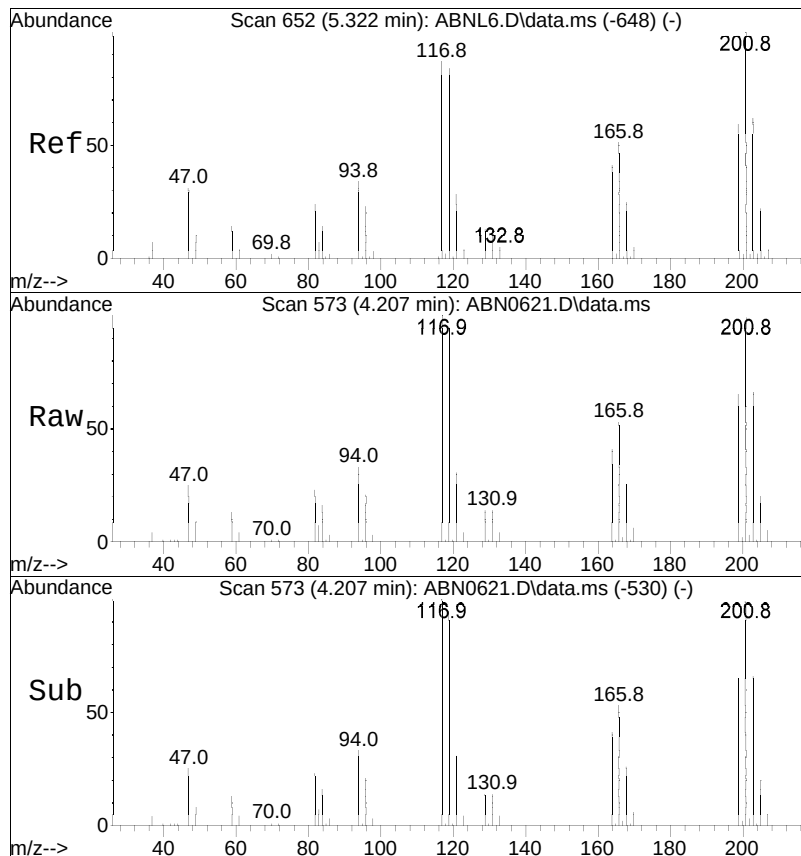




#15
 2-Methylphenol
 Concen: 4.92 ug/ml
 RT: 4.066 min Scan# 549
 Delta R.T. 0.000 min
 Lab File: ABN0621.D
 Acq: 21 Jun 2025 11:28 am

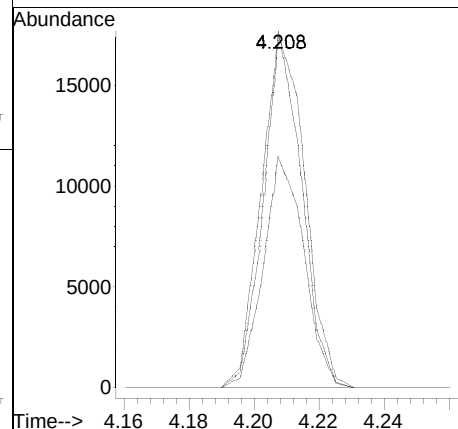
Tgt Ion	Ratio	Lower	Upper
108	100		
107	89.9	71.0	106.4
90	23.9	19.7	29.5

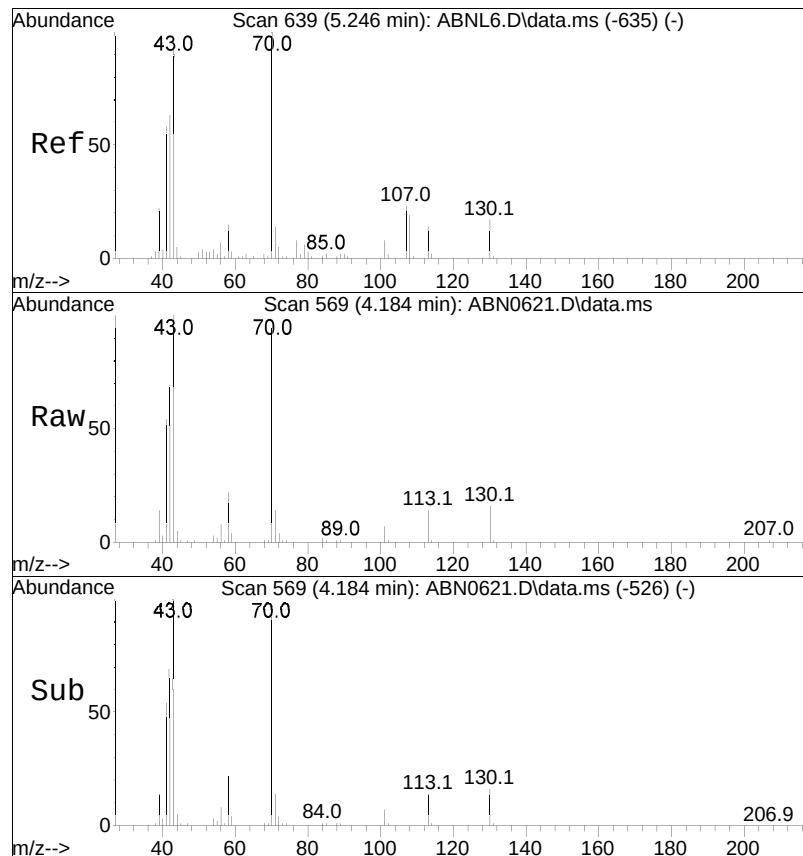




#16
 Hexachloroethane
 Concen: 4.78 ug/ml
 RT: 4.207 min Scan# 573
 Delta R.T. 0.000 min
 Lab File: ABN0621.D
 Acq: 21 Jun 2025 11:28 am

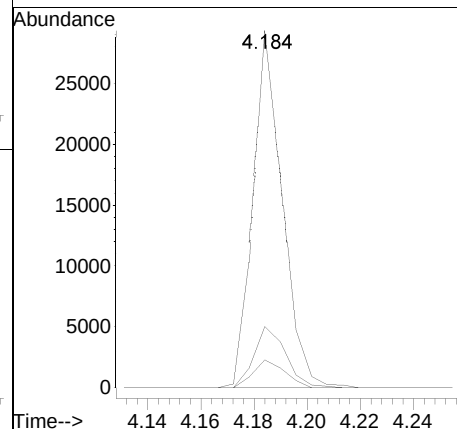
Tgt Ion:	117	Resp:	15050
Ion Ratio	Lower	Upper	
117	100		
201	102.7	64.4	96.6#
199	66.0	40.5	60.7#

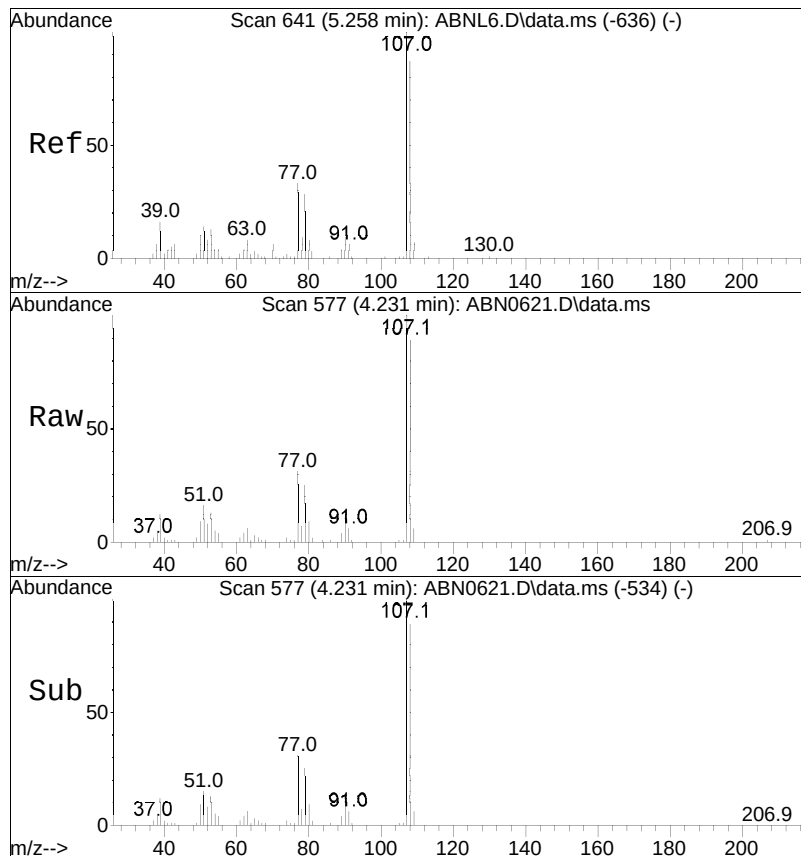




#17
 n-Nitrosodi-n-propylamine
 Concen: 4.42 ug/ml
 RT: 4.184 min Scan# 569
 Delta R.T. 0.000 min
 Lab File: ABN0621.D
 Acq: 21 Jun 2025 11:28 am

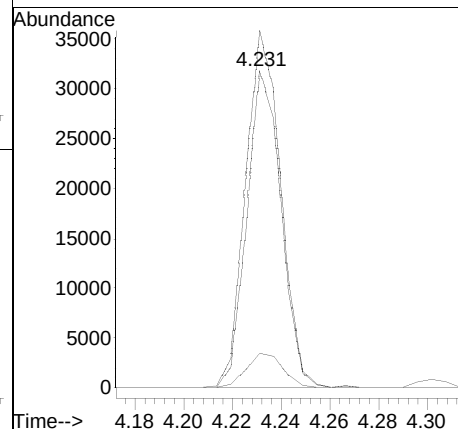
Tgt Ion:	70	Resp:	22426
Ion Ratio	Lower	Upper	
70	100		
130	18.4	16.2	24.4
101	8.4	7.6	11.4

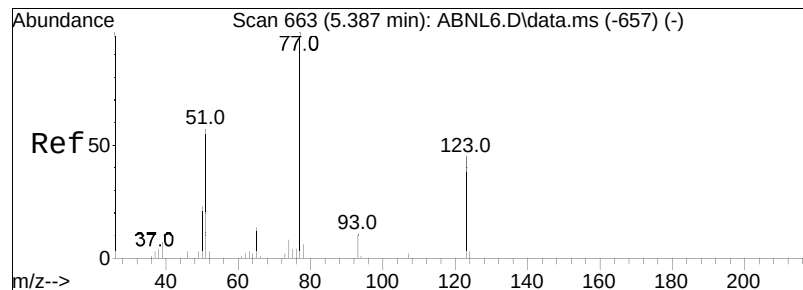




#18
 3-Methylphenol/4-Methylphenol
 Concen: 4.72 ug/ml
 RT: 4.231 min Scan# 577
 Delta R.T. 0.000 min
 Lab File: ABN0621.D
 Acq: 21 Jun 2025 11:28 am

Tgt Ion:	108	Resp:	30995
Ion Ratio	Lower	Upper	
108	100		
107	115.6	88.8	133.2
90	11.5	9.0	13.6





#20

Nitrobenzene

Concen: 4.68 ug/ml

RT: 4.302 min Scan# 589

Delta R.T. 0.000 min

Lab File: ABN0621.D

Acq: 21 Jun 2025 11:28 am

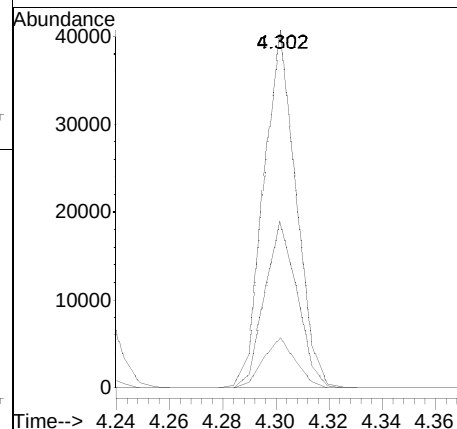
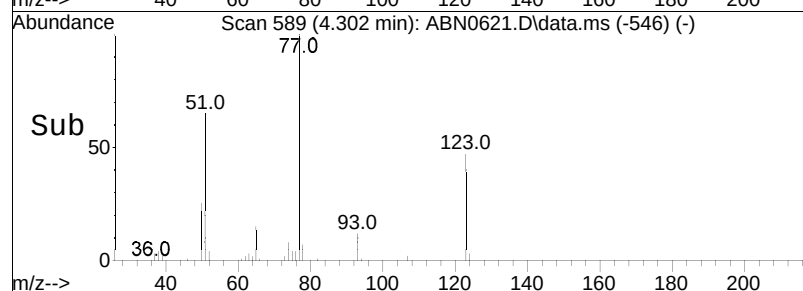
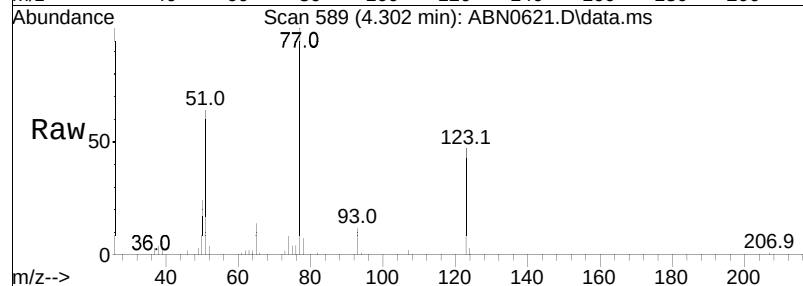
Tgt Ion: 77 Resp: 34212

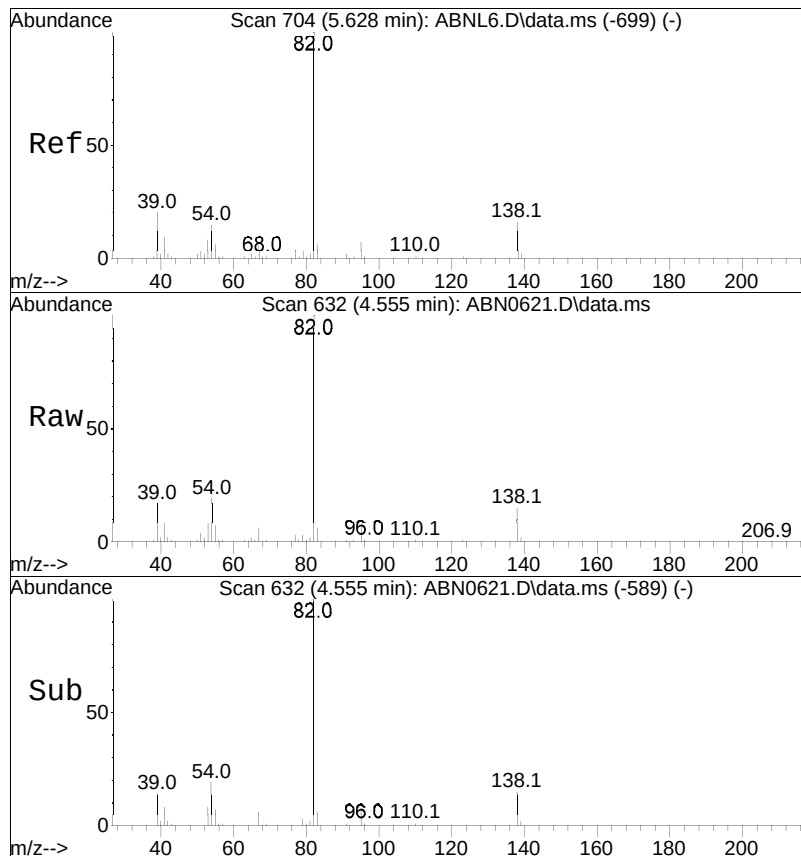
Ion Ratio Lower Upper

77 100

123 46.9 37.3 55.9

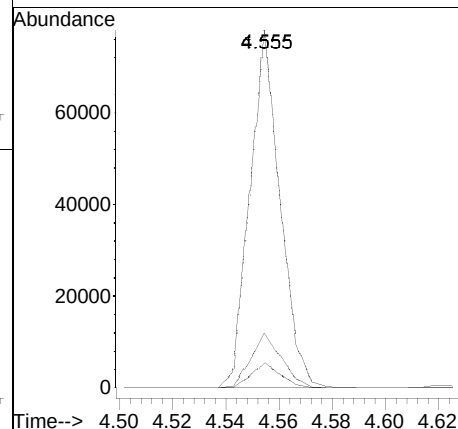
65 14.0 10.9 16.3

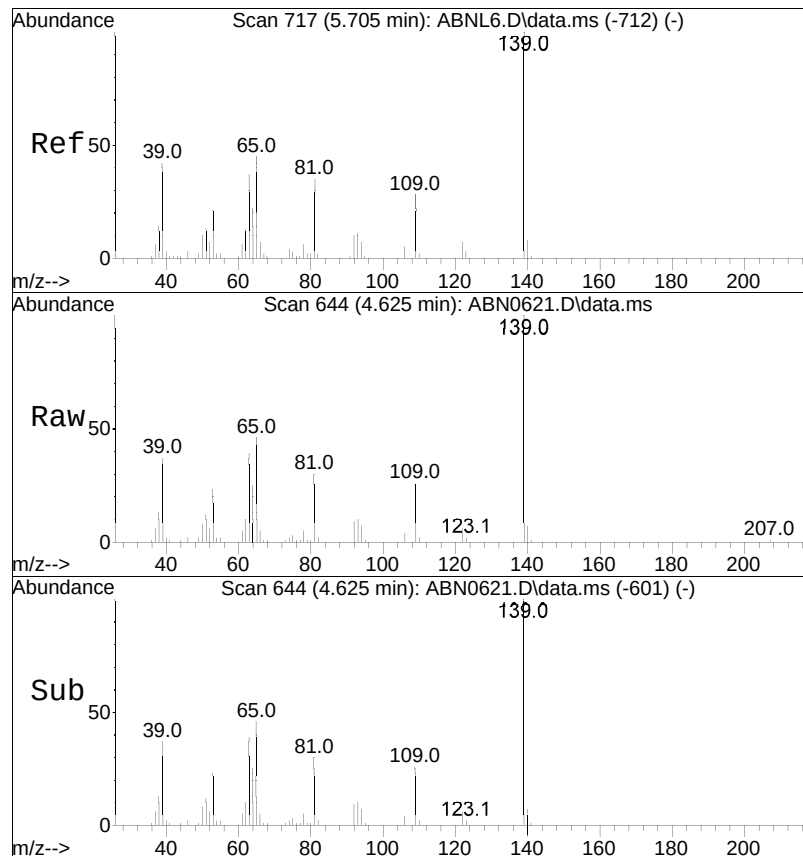




#21
 Isophorone
 Concen: 4.51 ug/ml
 RT: 4.555 min Scan# 632
 Delta R.T. 0.000 min
 Lab File: ABN0621.D
 Acq: 21 Jun 2025 11:28 am

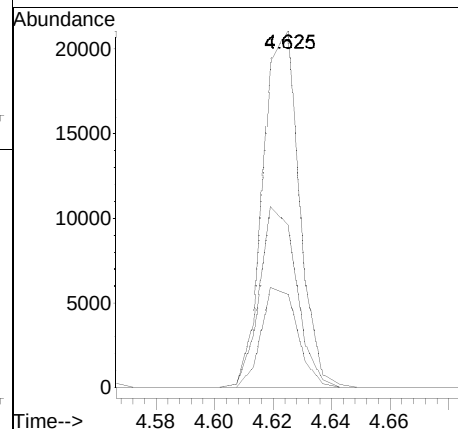
Tgt	Ion: 82	Resp:	60897
Ion	Ratio	Lower	Upper
82	100		
138	15.6	13.0	19.4
95	6.8	5.5	8.3

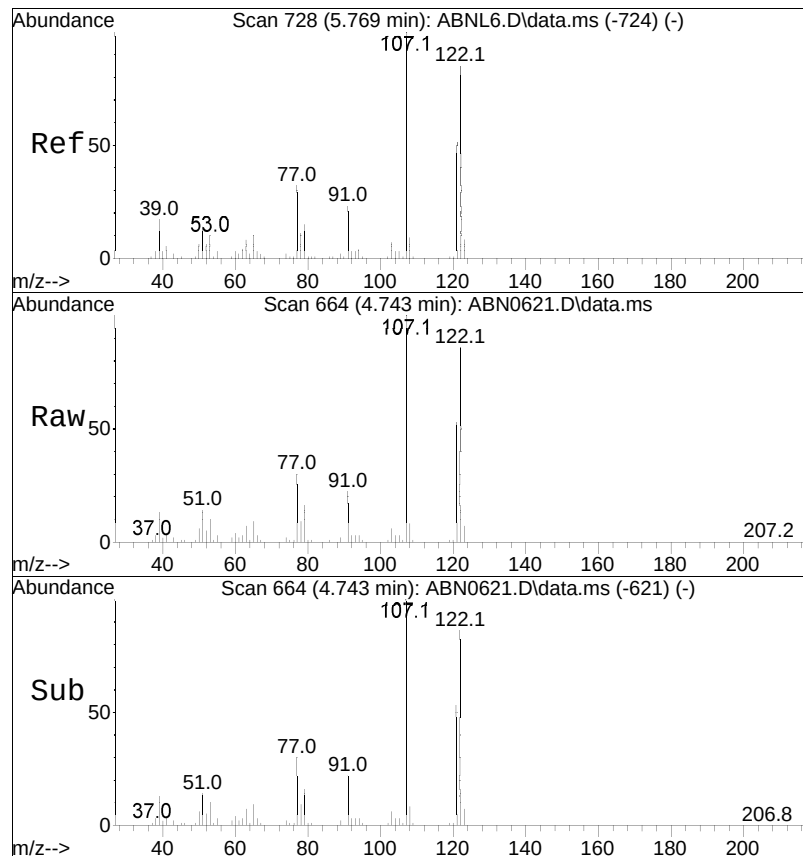




#22
 2-Nitrophenol
 Concen: 5.45 ug/ml
 RT: 4.625 min Scan# 644
 Delta R.T. 0.000 min
 Lab File: ABN0621.D
 Acq: 21 Jun 2025 11:28 am

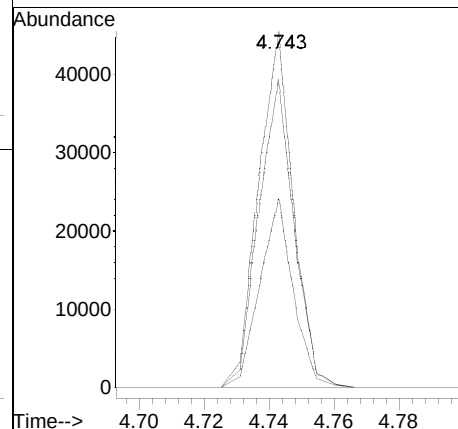
Tgt Ion:	139	Resp:	18163
Ion Ratio	Lower	Upper	
139	100		
109	28.2	23.1	34.7
65	51.6	41.4	62.2

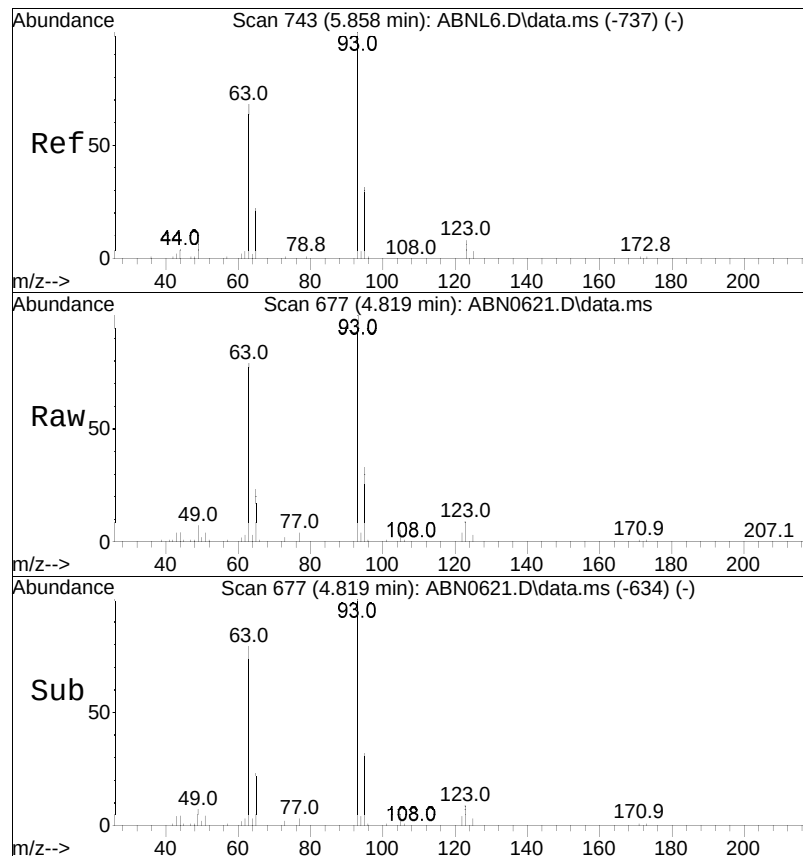




#23
 2,4-Dimethylphenol
 Concen: 4.81 ug/ml
 RT: 4.743 min Scan# 664
 Delta R.T. 0.000 min
 Lab File: ABN0621.D
 Acq: 21 Jun 2025 11:28 am

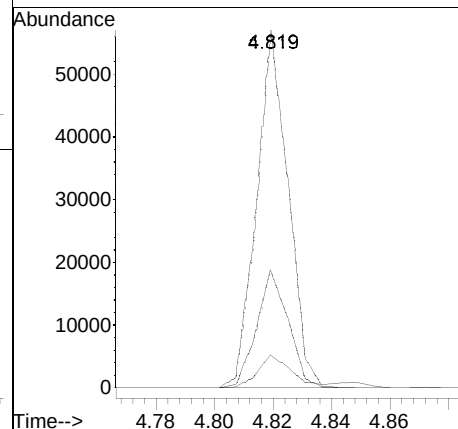
Tgt Ion:	107	Resp:	33398
Ion Ratio	Lower	Upper	
107	100		
121	51.4	41.3	61.9
122	87.8	69.3	103.9

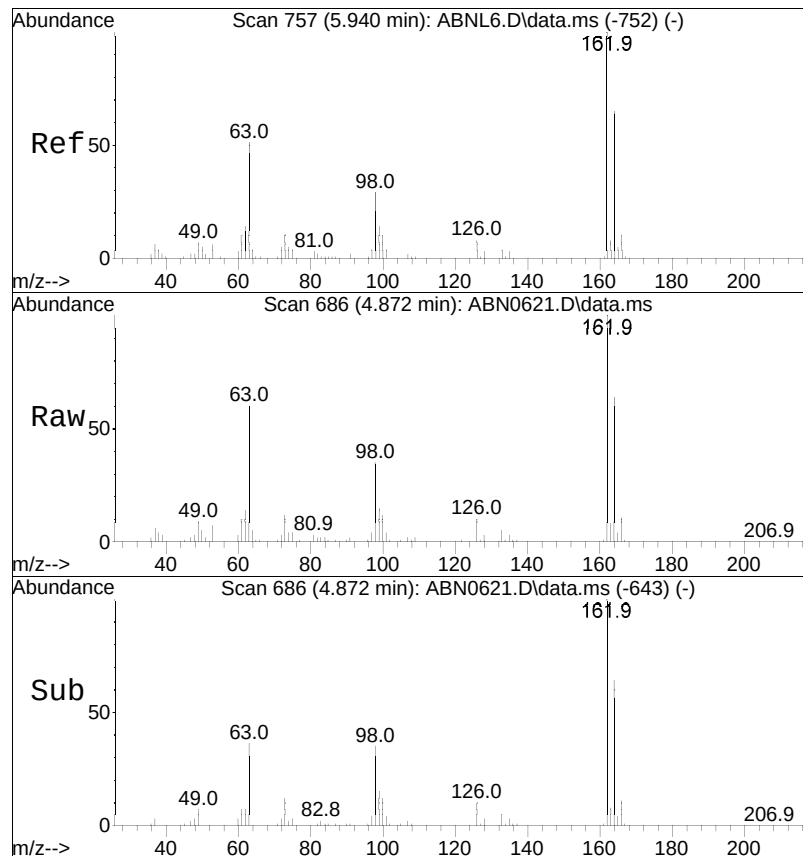




#24
 Bis(2-chloroethoxy)methane
 Concen: 4.64 ug/ml
 RT: 4.819 min Scan# 677
 Delta R.T. 0.000 min
 Lab File: ABN0621.D
 Acq: 21 Jun 2025 11:28 am

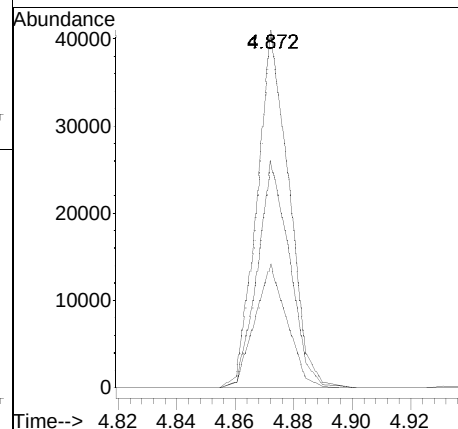
Tgt Ion:	93	Resp:	42084
Ion Ratio	Lower	Upper	
93	100		
95	33.0	25.8	38.8
123	11.4	9.6	14.4

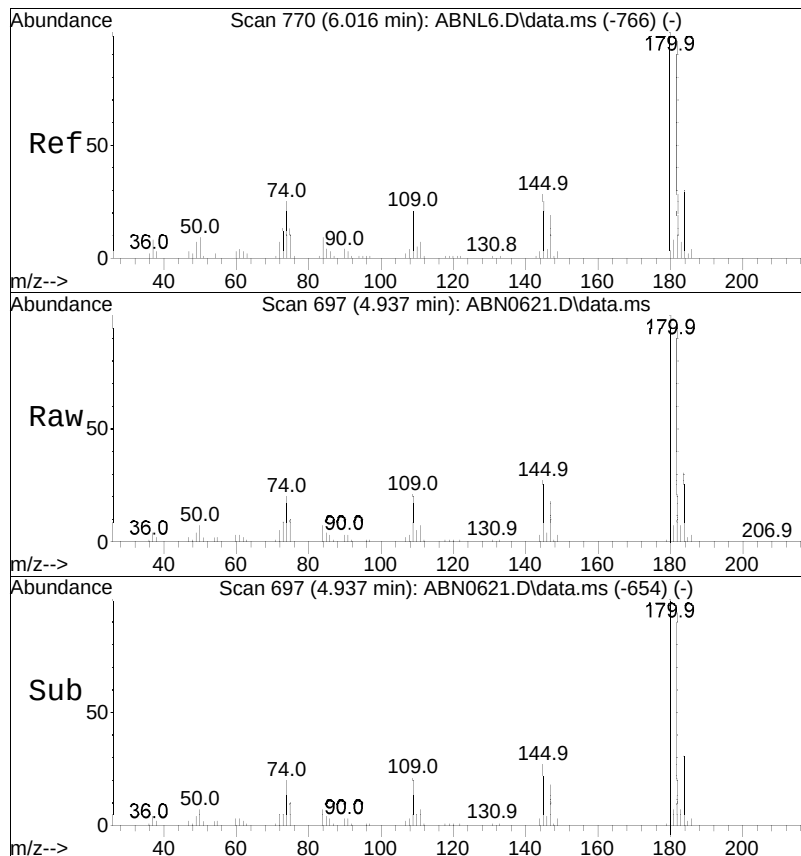




#25
 2,4-Dichlorophenol
 Concen: 4.85 ug/ml
 RT: 4.872 min Scan# 686
 Delta R.T. 0.000 min
 Lab File: ABN0621.D
 Acq: 21 Jun 2025 11:28 am

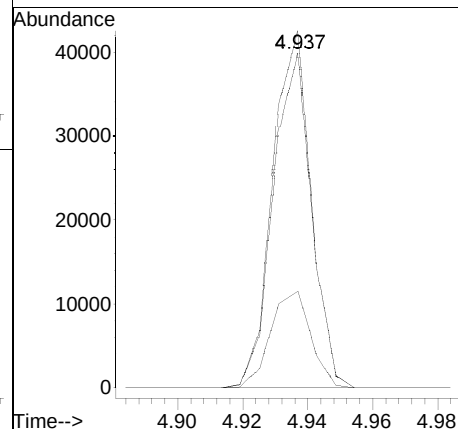
Tgt Ion:	162	Resp:	30903
Ion Ratio	Lower	Upper	
162	100		
164	64.0	51.1	76.7
98	34.9	32.2	48.2

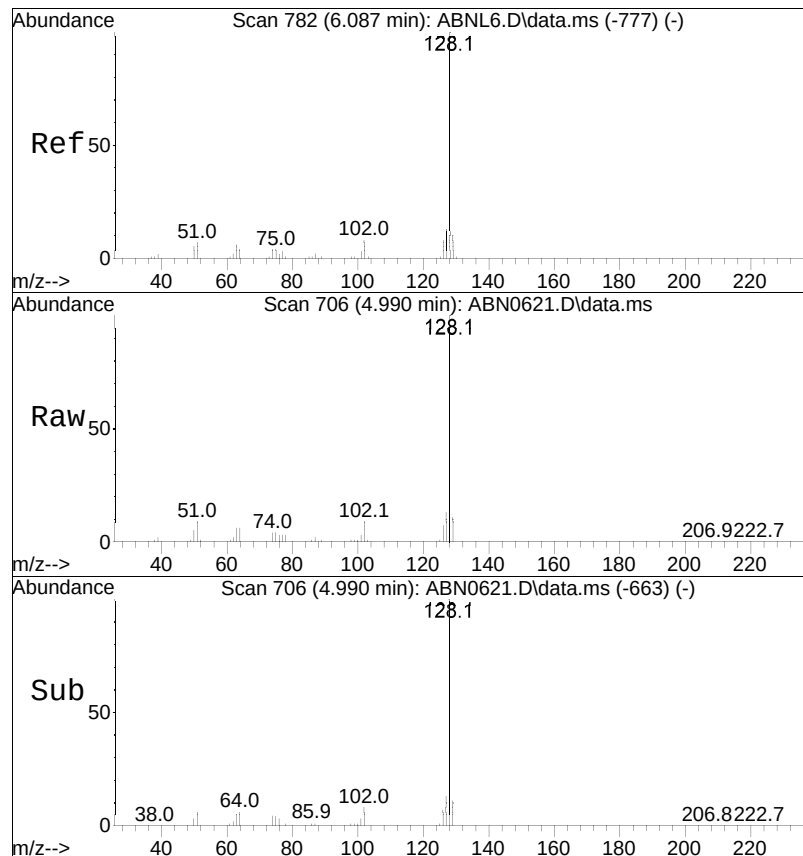




#26
 1,2,4-Trichlorobenzene
 Concen: 4.32 ug/ml
 RT: 4.937 min Scan# 697
 Delta R.T. 0.000 min
 Lab File: ABN0621.D
 Acq: 21 Jun 2025 11:28 am

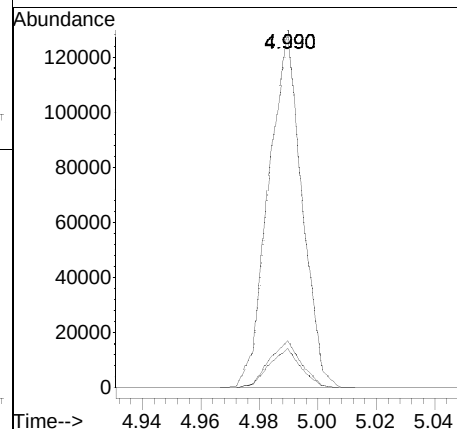
Tgt Ion:	180	Resp:	34942
Ion Ratio	Lower	Upper	
180	100		
182	93.6	75.8	113.8
145	28.3	26.3	39.5

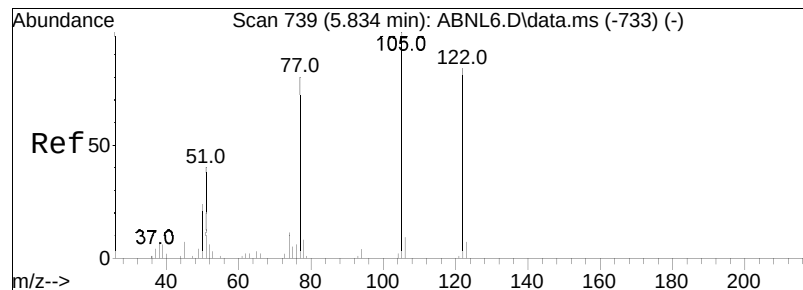




#36
 Naphthalene
 Concen: 4.56 ug/ml
 RT: 4.990 min Scan# 706
 Delta R.T. 0.000 min
 Lab File: ABN0621.D
 Acq: 21 Jun 2025 11:28 am

Tgt Ion:	128	Resp:	101224
Ion Ratio	Lower	Upper	
128	100		
129	10.8	8.9	13.3
127	13.0	10.6	15.8





#37

Benzoic Acid

Concen: 3.39 ug/ml

RT: 4.849 min Scan# 682

Delta R.T. 0.000 min

Lab File: ABN0621.D

Acq: 21 Jun 2025 11:28 am

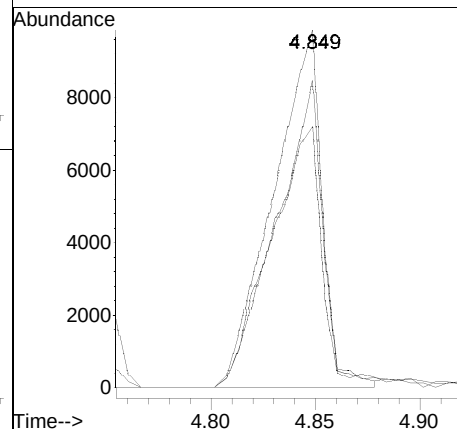
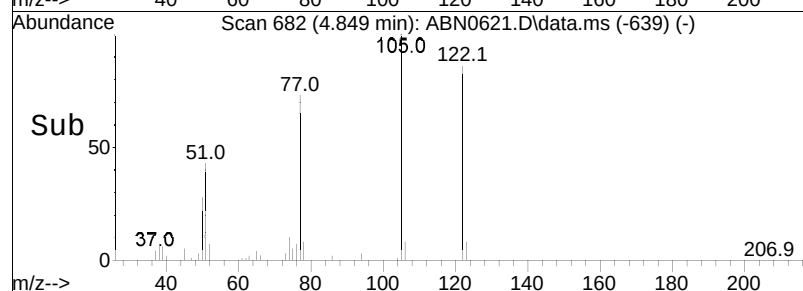
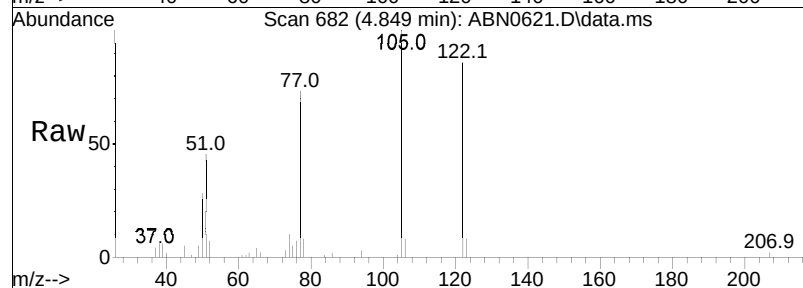
Tgt Ion:105 Resp: 15941

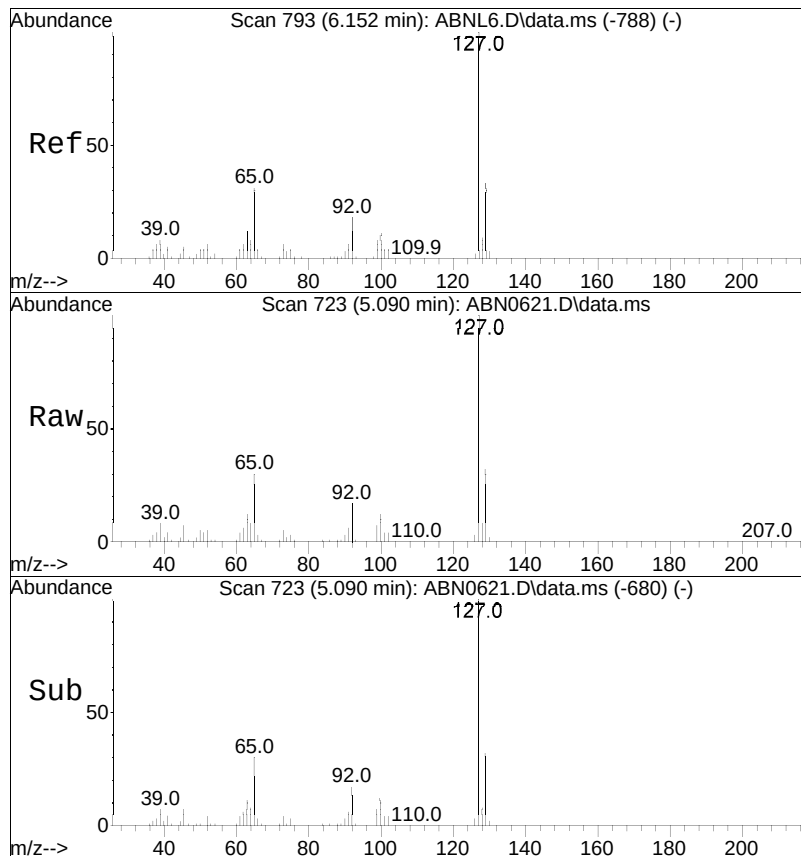
Ion Ratio Lower Upper

105 100

122 84.2 62.6 93.8

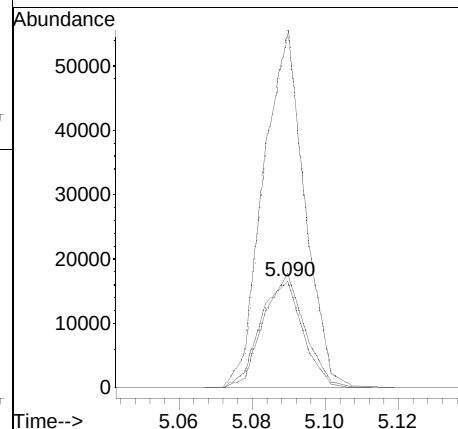
77 77.1 59.1 88.7

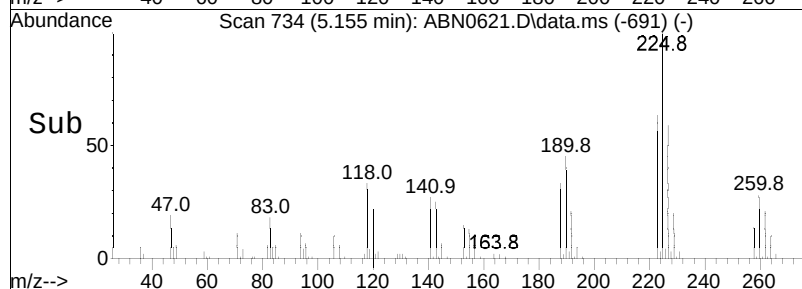
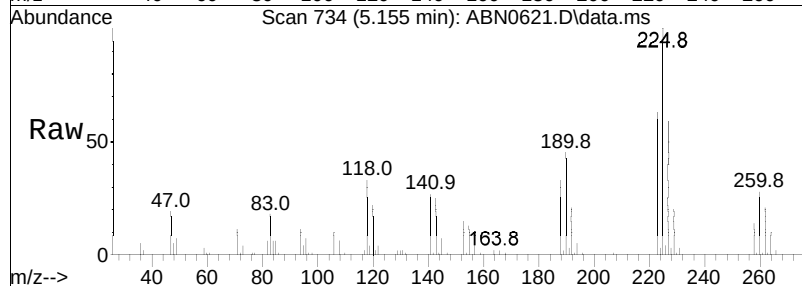
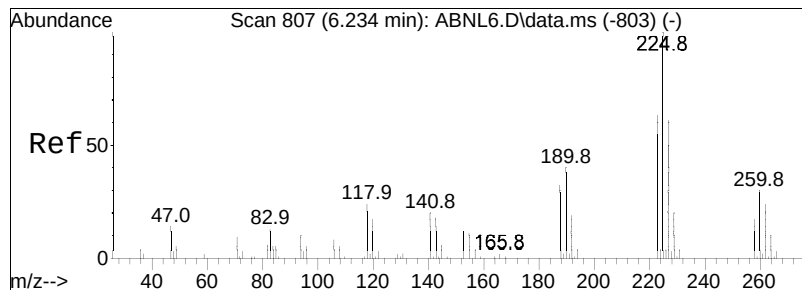




#38
 4-Chloroaniline
 Concen: 4.85 ug/ml
 RT: 5.090 min Scan# 723
 Delta R.T. 0.000 min
 Lab File: ABN0621.D
 Acq: 21 Jun 2025 11:28 am

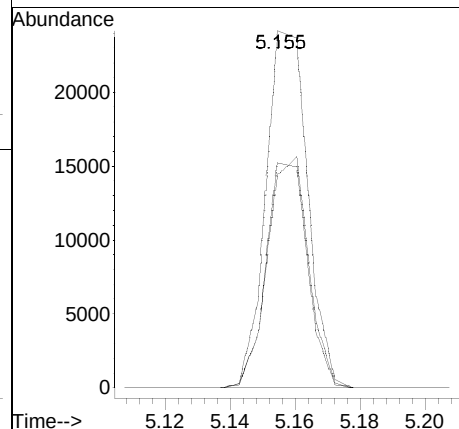
Tgt Ion	Ratio	Lower	Upper
65	100		
127	322.3	266.2	399.4
129	102.7	85.0	127.4

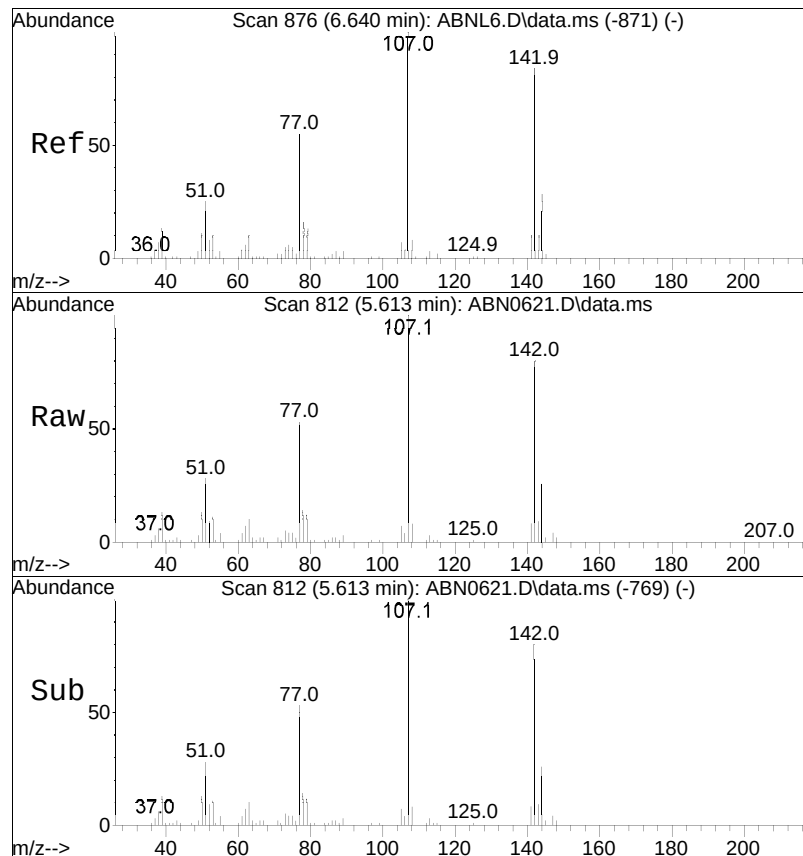




#39
 Hexachlorobutadiene
 Concen: 3.81 ug/ml
 RT: 5.155 min Scan# 734
 Delta R.T. 0.000 min
 Lab File: ABN0621.D
 Acq: 21 Jun 2025 11:28 am

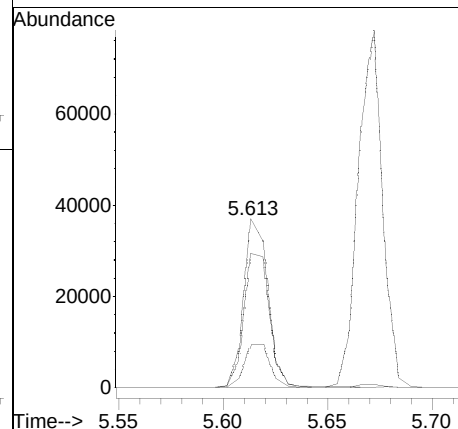
Tgt Ion	Ratio	Resp	Lower	Upper
225	100	21553		
223	62.6		50.5	75.7
227	63.6		50.4	75.6

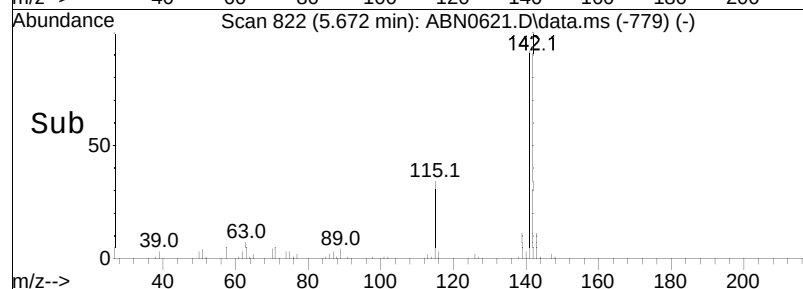
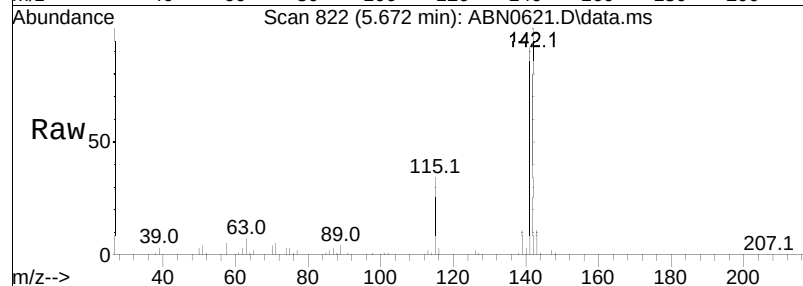
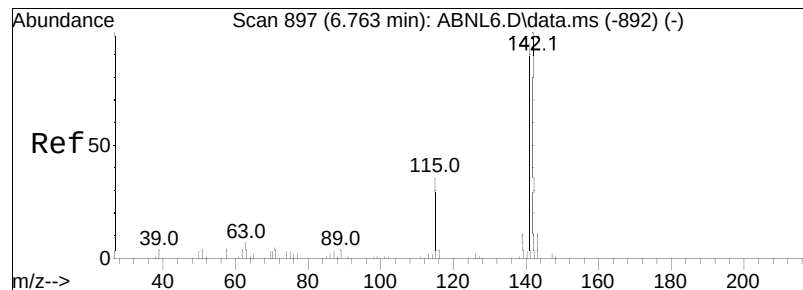




#40
 p-Chloro-m-cresol
 Concen: 4.85 ug/ml
 RT: 5.613 min Scan# 812
 Delta R.T. 0.000 min
 Lab File: ABN0621.D
 Acq: 21 Jun 2025 11:28 am

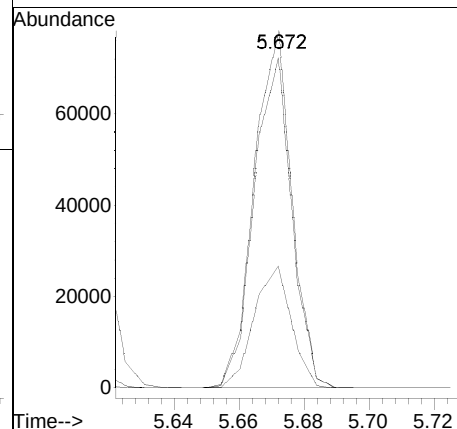
Tgt Ion:	107	Resp:	30139
Ion Ratio	Lower	Upper	
107	100		
144	27.1	20.3	30.5
142	83.1	63.8	95.6

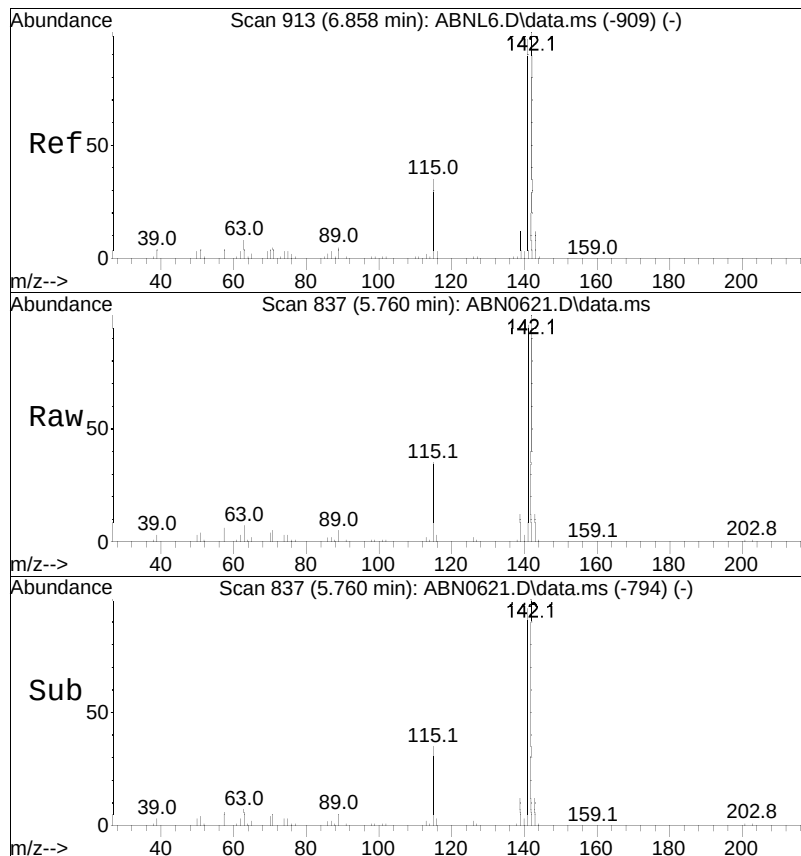




#41
 2-Methylnaphthalene
 Concen: 4.54 ug/ml
 RT: 5.672 min Scan# 822
 Delta R.T. 0.000 min
 Lab File: ABN0621.D
 Acq: 21 Jun 2025 11:28 am

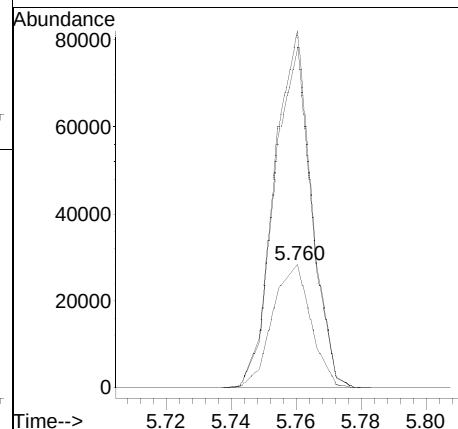
Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.3	72.2	108.4
115	33.9	27.8	41.6

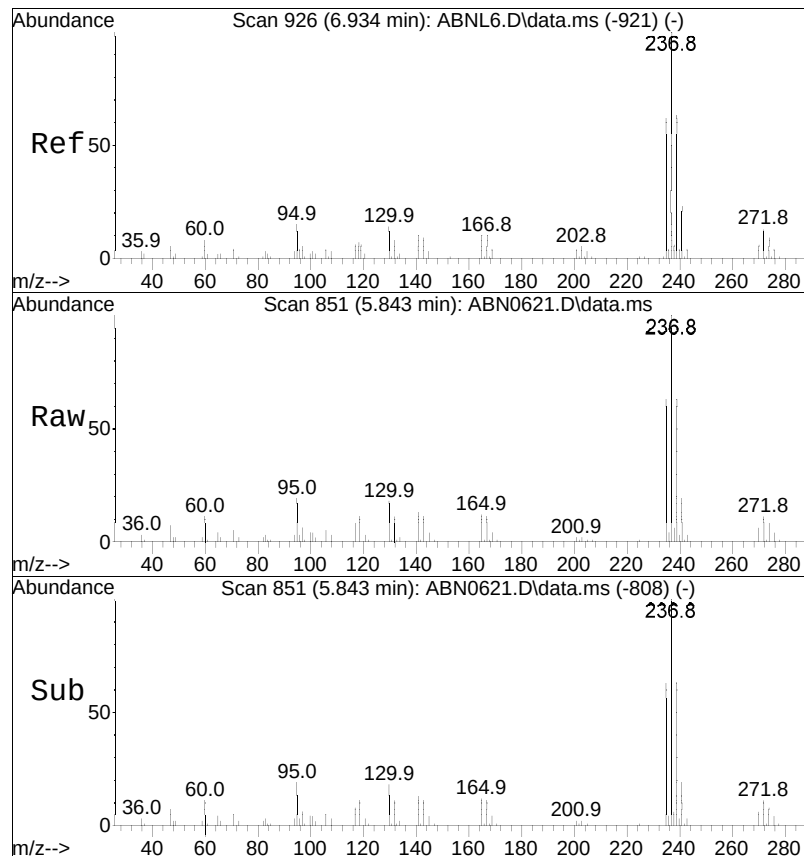




#42
 1-Methylnaphthalene
 Concen: 4.43 ug/ml
 RT: 5.760 min Scan# 837
 Delta R.T. 0.000 min
 Lab File: ABN0621.D
 Acq: 21 Jun 2025 11:28 am

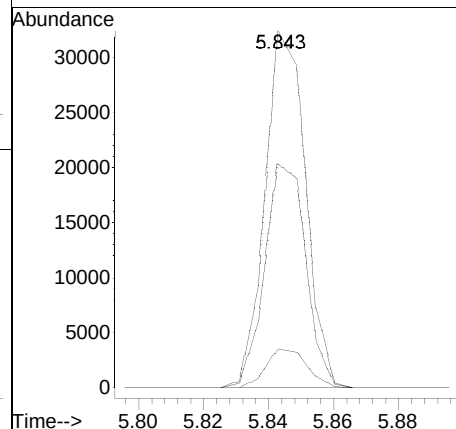
Tgt Ion	Ratio	Lower	Upper
115	100		
141	266.2	205.4	308.2
142	279.3	220.2	330.4

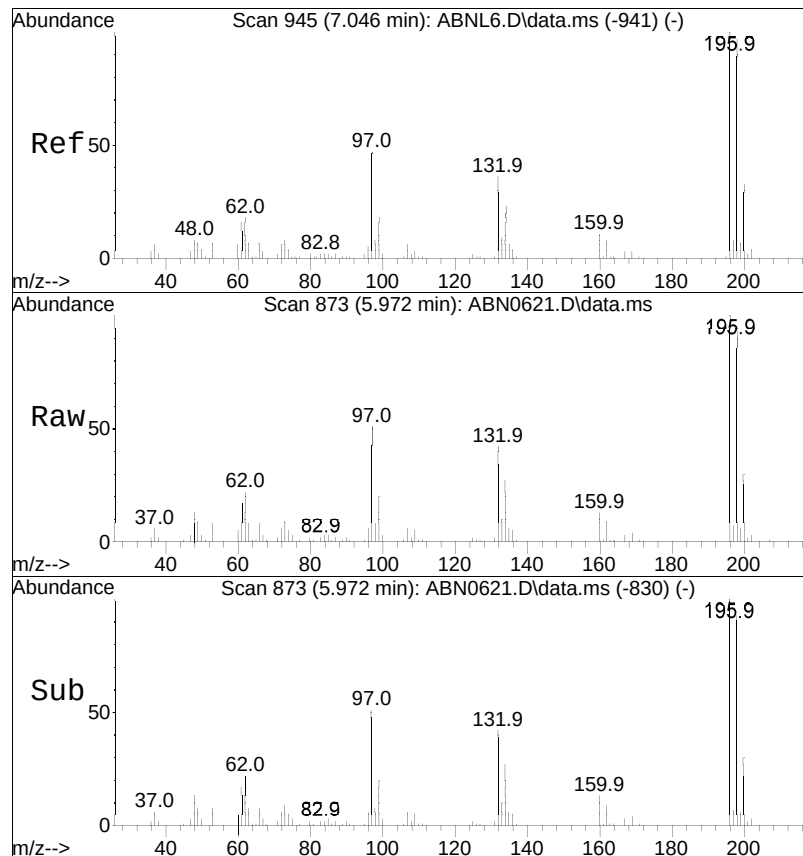




#43
 Hexachlorocyclopentadiene
 Concen: 4.10 ug/ml
 RT: 5.843 min Scan# 851
 Delta R.T. 0.000 min
 Lab File: ABN0621.D
 Acq: 21 Jun 2025 11:28 am

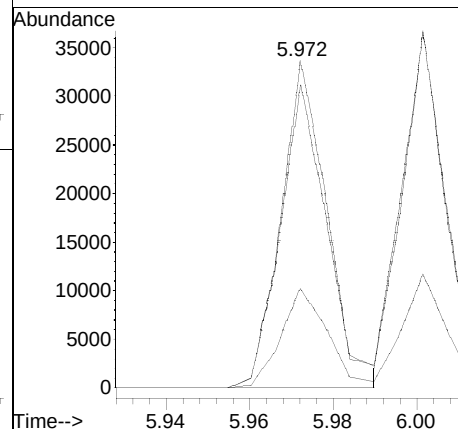
Tgt Ion	Ratio	Resp	Lower	Upper
237	100	27935		
235	63.7		50.9	76.3
272	11.3		10.1	15.1

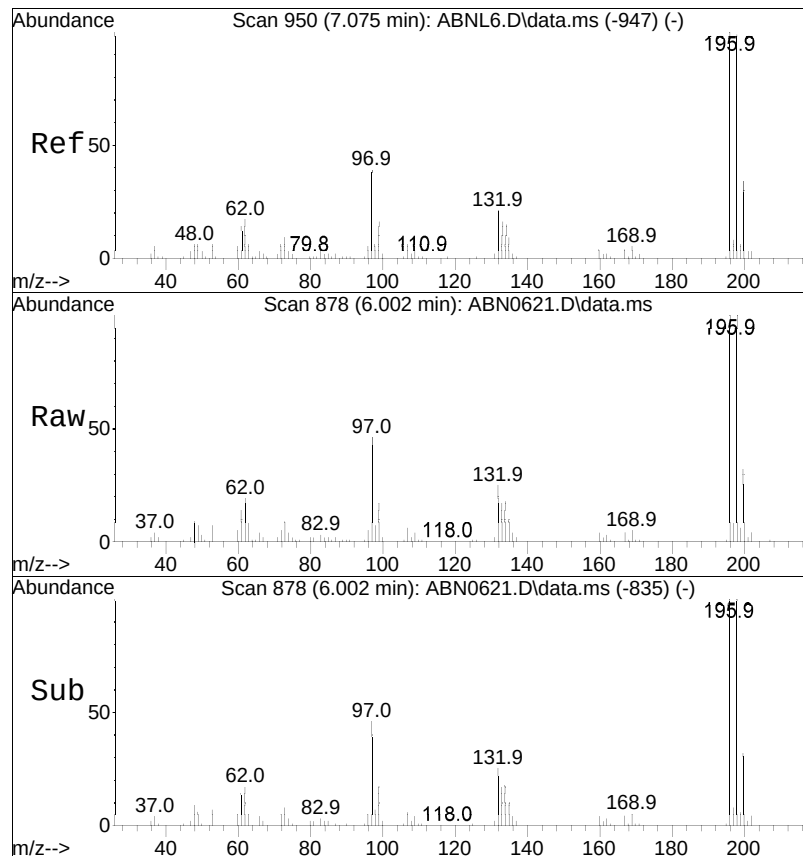




#44
 2,4,6-Trichlorophenol
 Concen: 4.43 ug/ml
 RT: 5.972 min Scan# 873
 Delta R.T. 0.000 min
 Lab File: ABN0621.D
 Acq: 21 Jun 2025 11:28 am

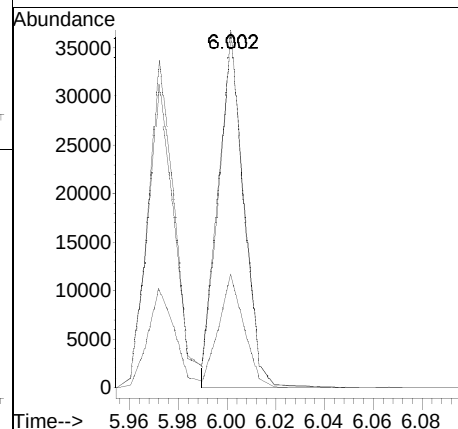
Tgt Ion	Ratio	Resp	Lower	Upper
196	100	25867		
198	94.0		76.4	114.6
200	31.0		24.4	36.6

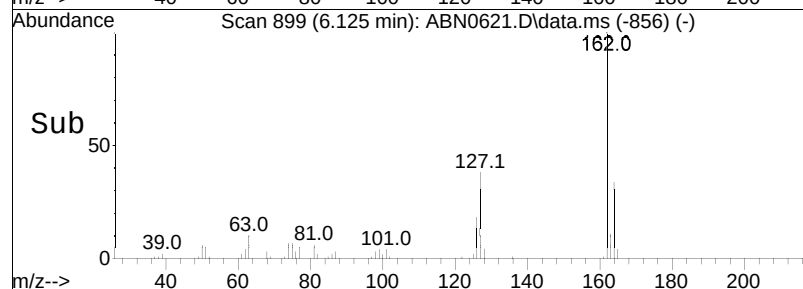
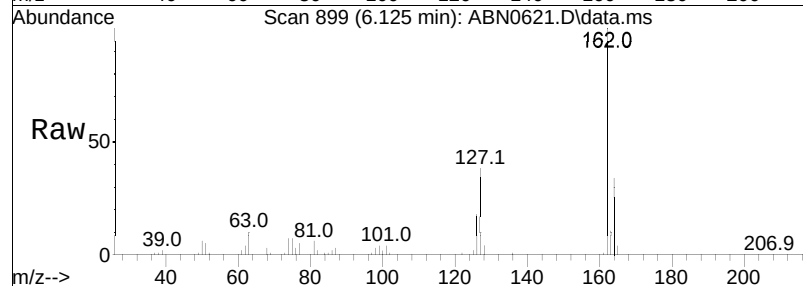
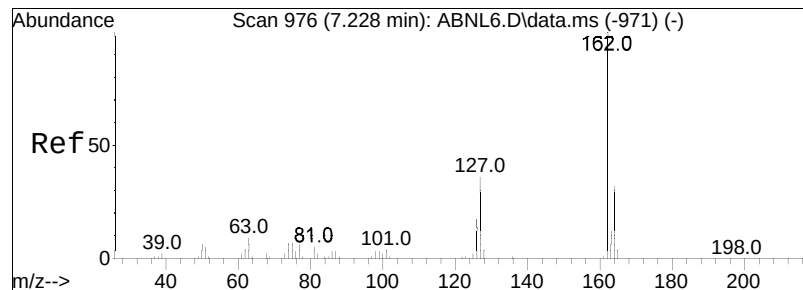




#45
 2,4,5-Trichlorophenol
 Concen: 4.53 ug/ml
 RT: 6.002 min Scan# 878
 Delta R.T. 0.000 min
 Lab File: ABN0621.D
 Acq: 21 Jun 2025 11:28 am

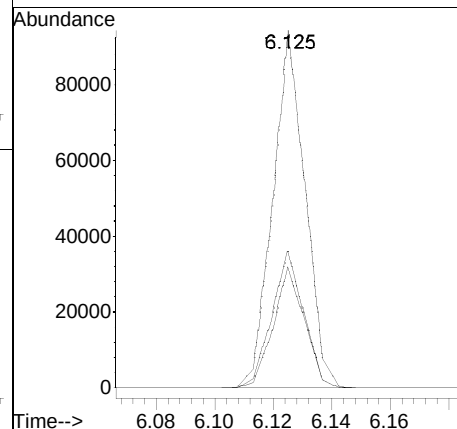
Tgt Ion:	196	Resp:	26728
Ion Ratio	Lower	Upper	
196	100		
200	31.5	24.2	36.4
198	97.6	76.2	114.2

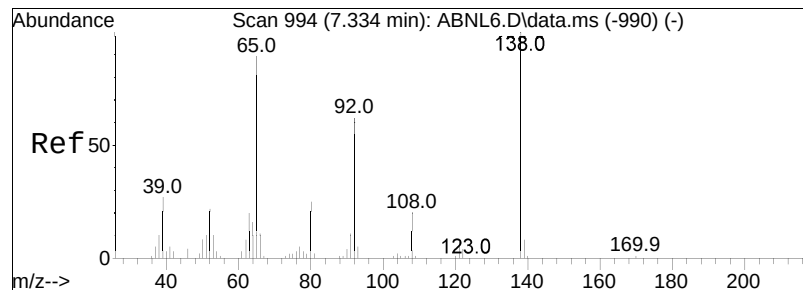




#47
 2-Chloronaphthalene
 Concen: 4.40 ug/ml
 RT: 6.125 min Scan# 899
 Delta R.T. 0.000 min
 Lab File: ABN0621.D
 Acq: 21 Jun 2025 11:28 am

Tgt Ion	Ratio	Lower	Upper
162	100		
127	38.1	33.8	50.6
164	33.0	25.8	38.6





#48

2-Nitroaniline

Concen: 5.21 ug/ml

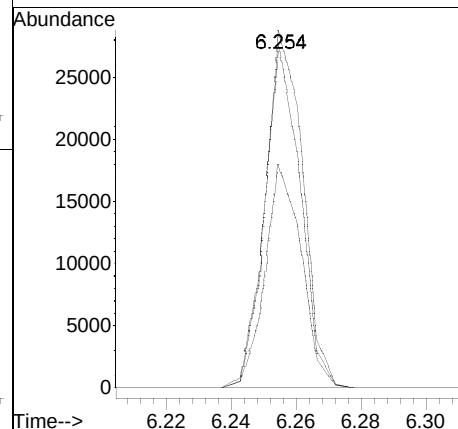
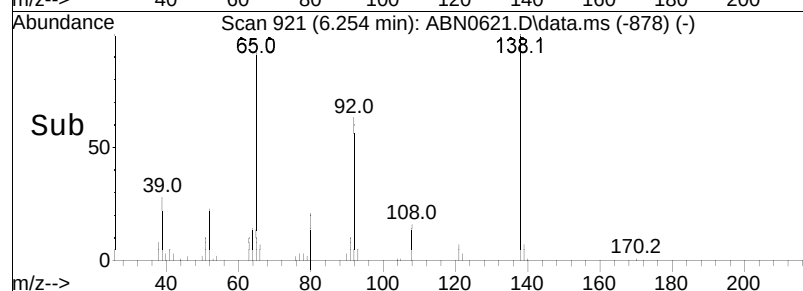
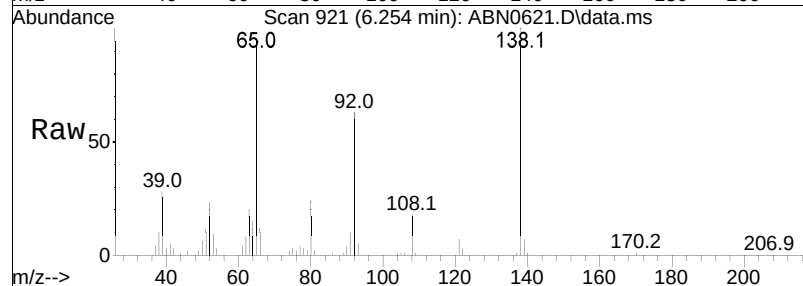
RT: 6.254 min Scan# 921

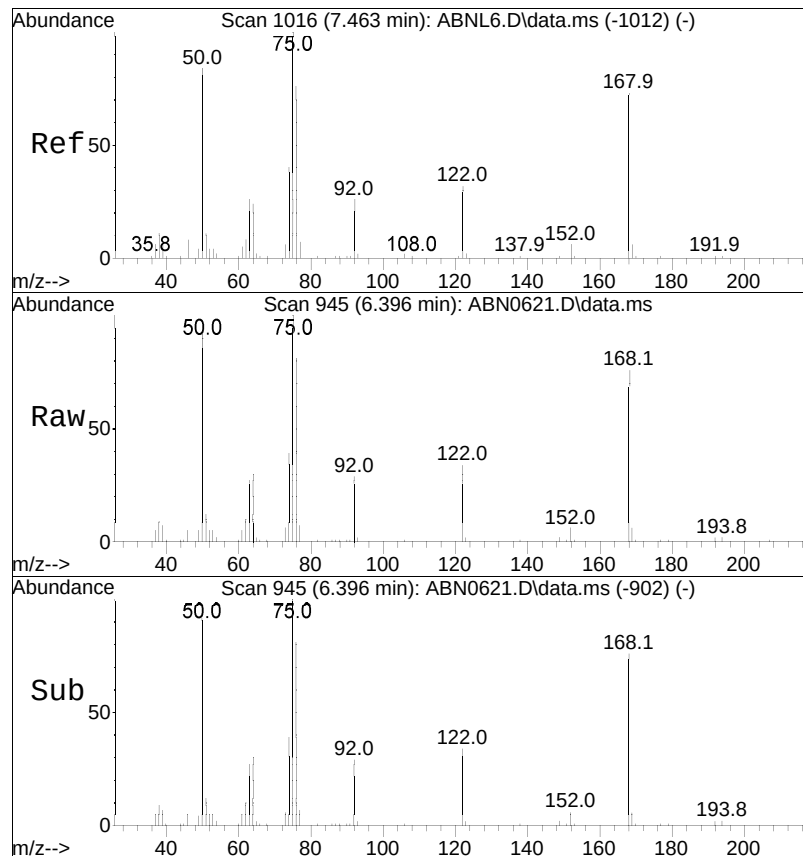
Delta R.T. 0.000 min

Lab File: ABN0621.D

Acq: 21 Jun 2025 11:28 am

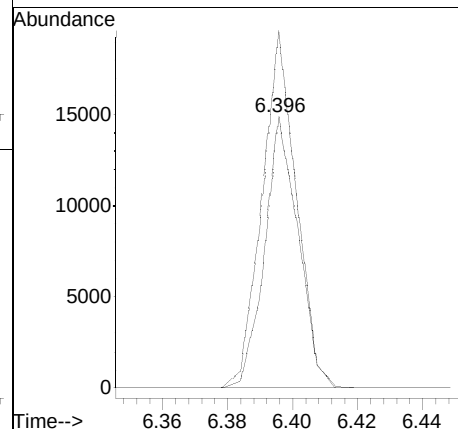
Tgt Ion:	138	Resp:	22746
Ion Ratio	Lower	Upper	
138	100		
92	61.0	52.1	78.1
65	91.7	75.9	113.9

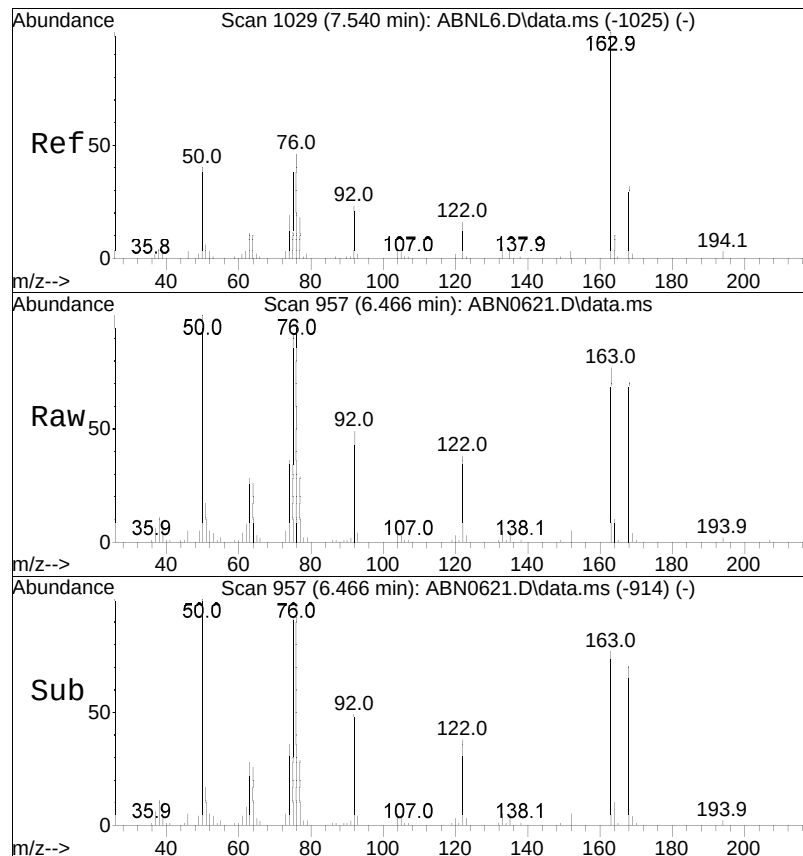




#49
 1,4-Dinitrobenzene
 Concen: 4.47 ug/ml
 RT: 6.396 min Scan# 945
 Delta R.T. 0.000 min
 Lab File: ABN0621.D
 Acq: 21 Jun 2025 11:28 am

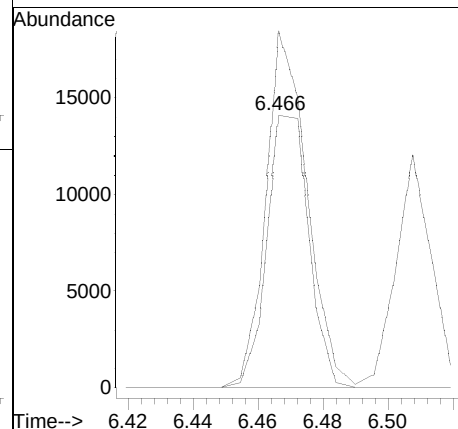
Tgt Ion	Ratio	Lower	Upper
168	100		
75	133.4	111.0	166.4

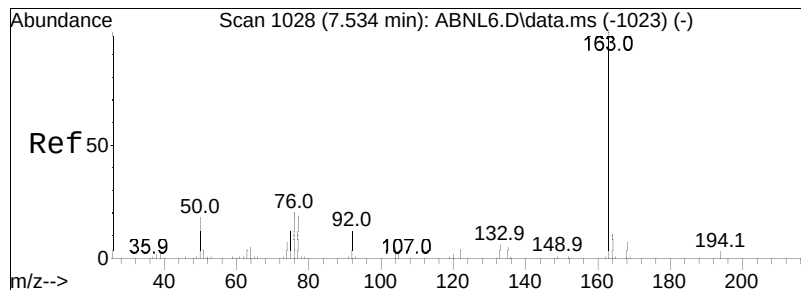




#50
 1,3-Dinitrobenzene
 Concen: 4.75 ug/ml
 RT: 6.466 min Scan# 957
 Delta R.T. 0.000 min
 Lab File: ABN0621.D
 Acq: 21 Jun 2025 11:28 am

Tgt Ion	Ratio	Lower	Upper
168	100		
75	128.4	116.4	174.6





#51

Dimethyl phthalate

Concen: 4.29 ug/ml

RT: 6.478 min Scan# 959

Delta R.T. 0.000 min

Lab File: ABN0621.D

Acq: 21 Jun 2025 11:28 am

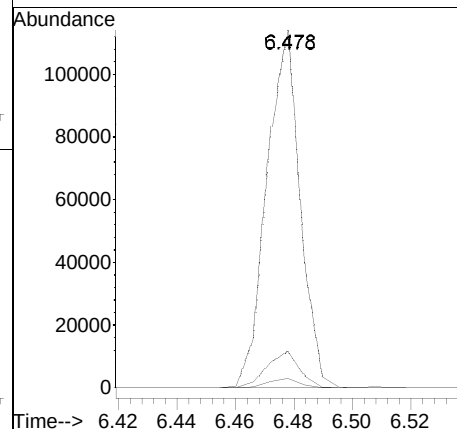
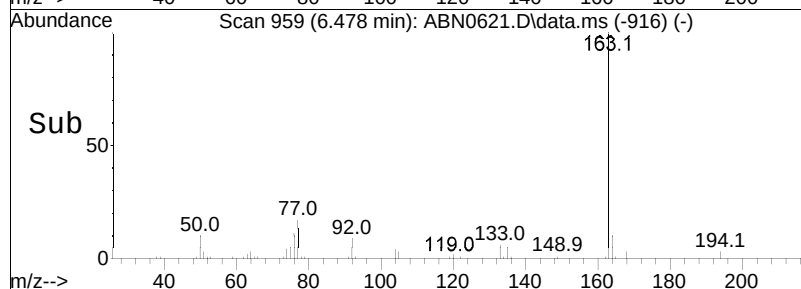
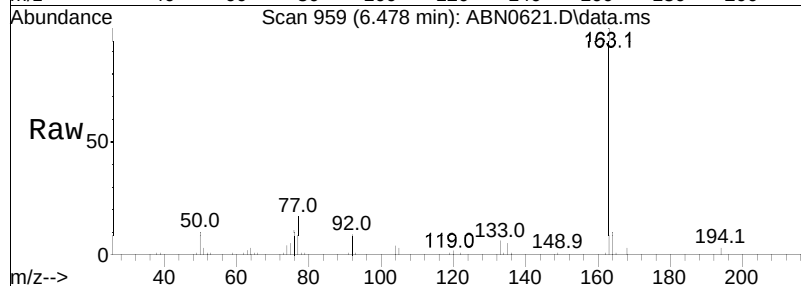
Tgt Ion:163 Resp: 89053

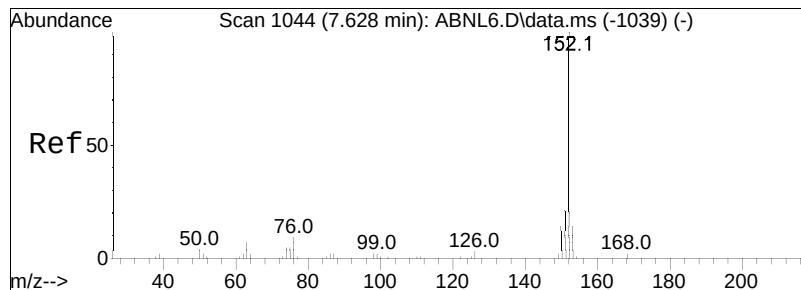
Ion Ratio Lower Upper

163 100

194 2.5 2.3 3.5

164 10.2 8.2 12.2





#52

Acenaphthylene

Concen: 4.44 ug/ml

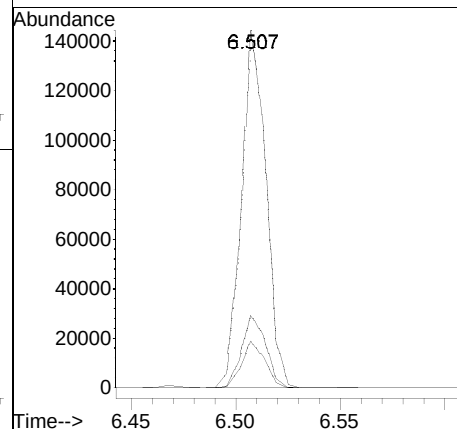
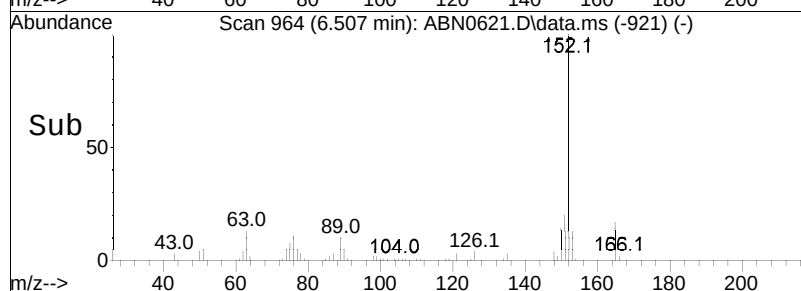
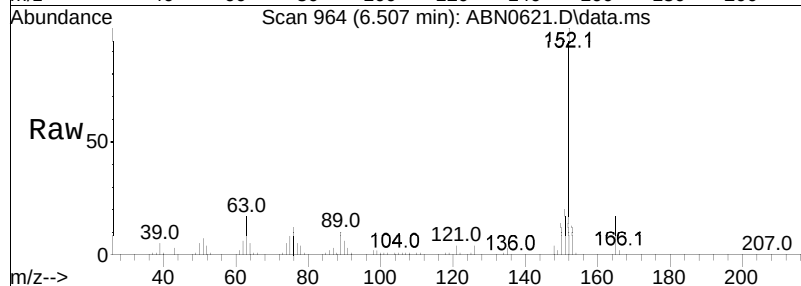
RT: 6.507 min Scan# 964

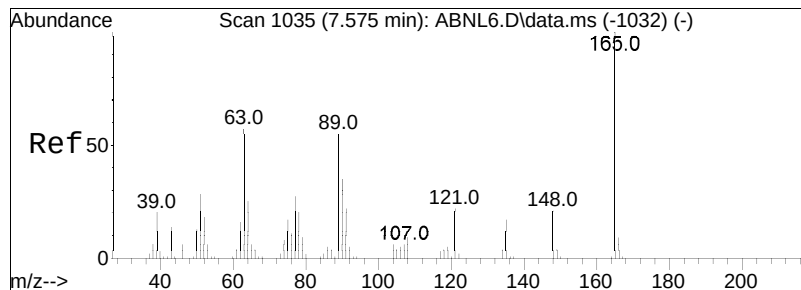
Delta R.T. 0.000 min

Lab File: ABN0621.D

Acq: 21 Jun 2025 11:28 am

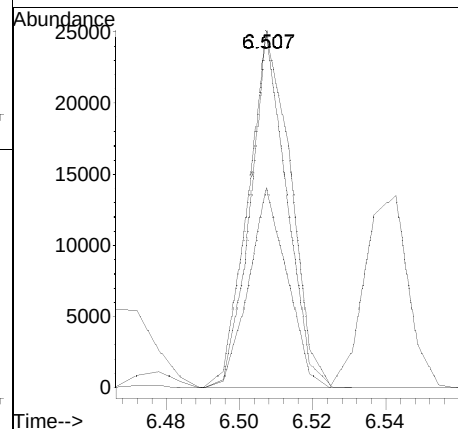
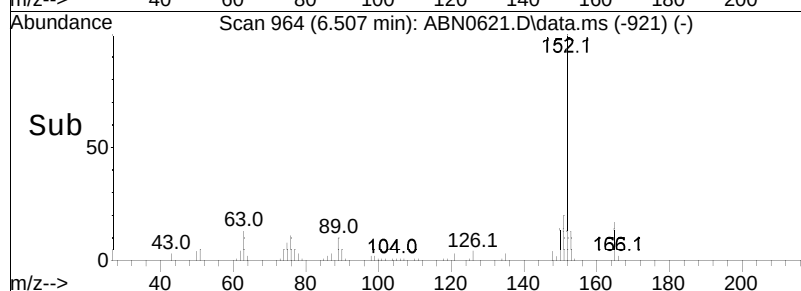
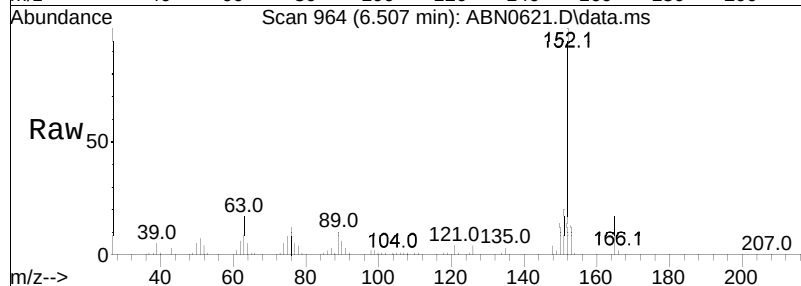
Tgt Ion:	152	Resp:	116675
Ion Ratio	Lower	Upper	
152	100		
151	20.1	15.9	23.9
153	12.6	10.5	15.7

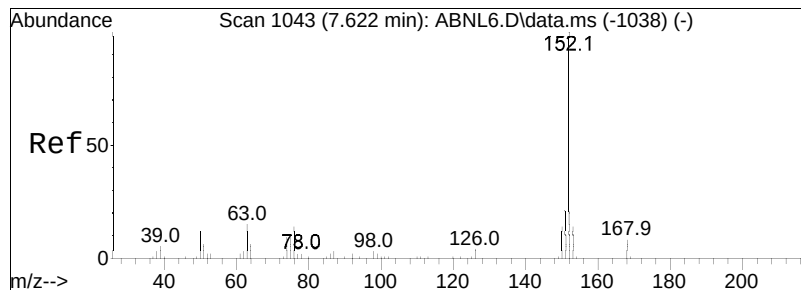




#53
 2,6-Dinitrotoluene
 Concen: 5.01 ug/ml
 RT: 6.507 min Scan# 964
 Delta R.T. 0.000 min
 Lab File: ABN0621.D
 Acq: 21 Jun 2025 11:28 am

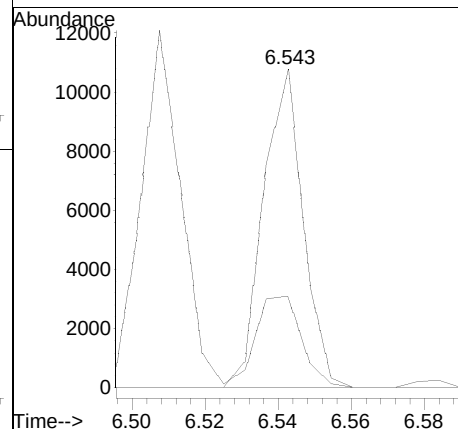
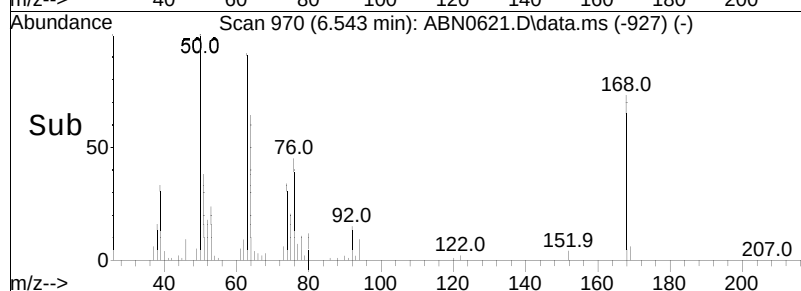
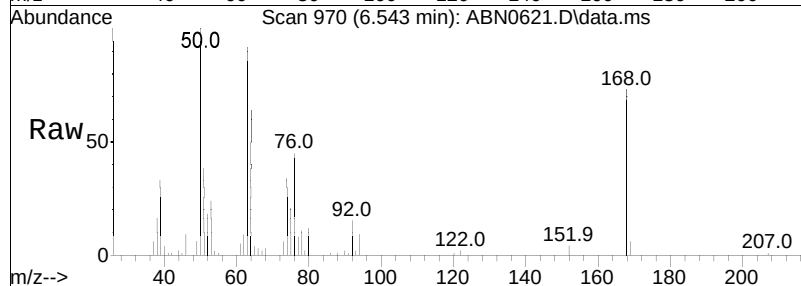
Tgt Ion	Ratio	Lower	Upper
165	100		
89	54.1	48.8	73.2
63	96.4	50.5	75.7#

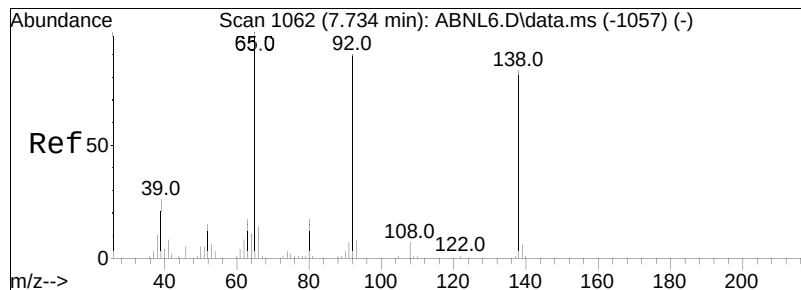




#54
 1,2-Dinitrobenzene
 Concen: 4.63 ug/ml
 RT: 6.543 min Scan# 970
 Delta R.T. 0.000 min
 Lab File: ABN0621.D
 Acq: 21 Jun 2025 11:28 am

Tgt Ion:168 Resp: 8158
 Ion Ratio Lower Upper
 168 100
 75 33.2 32.2 48.2





#64

3-Nitroaniline

Concen: 5.09 ug/ml

RT: 6.654 min Scan# 989

Delta R.T. 0.000 min

Lab File: ABN0621.D

Acq: 21 Jun 2025 11:28 am

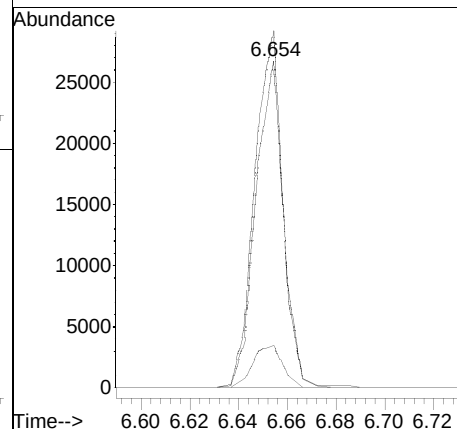
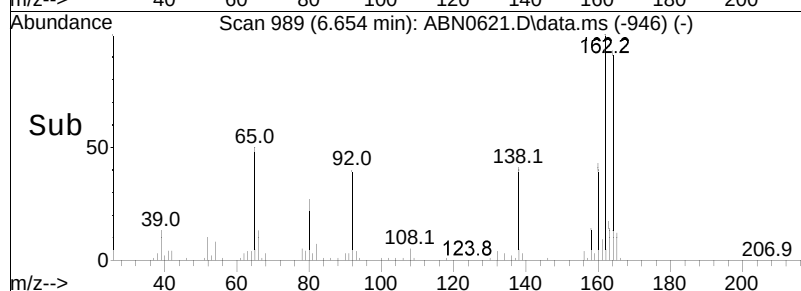
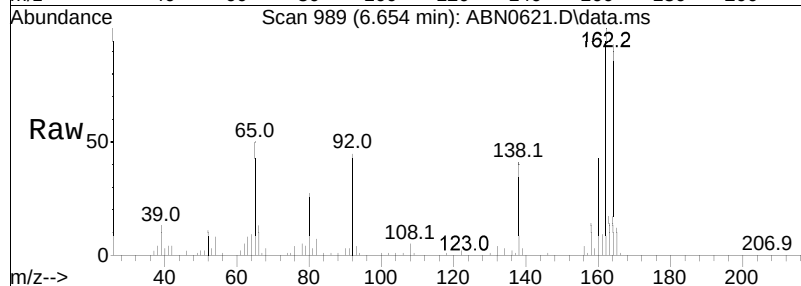
Tgt Ion:138 Resp: 20833

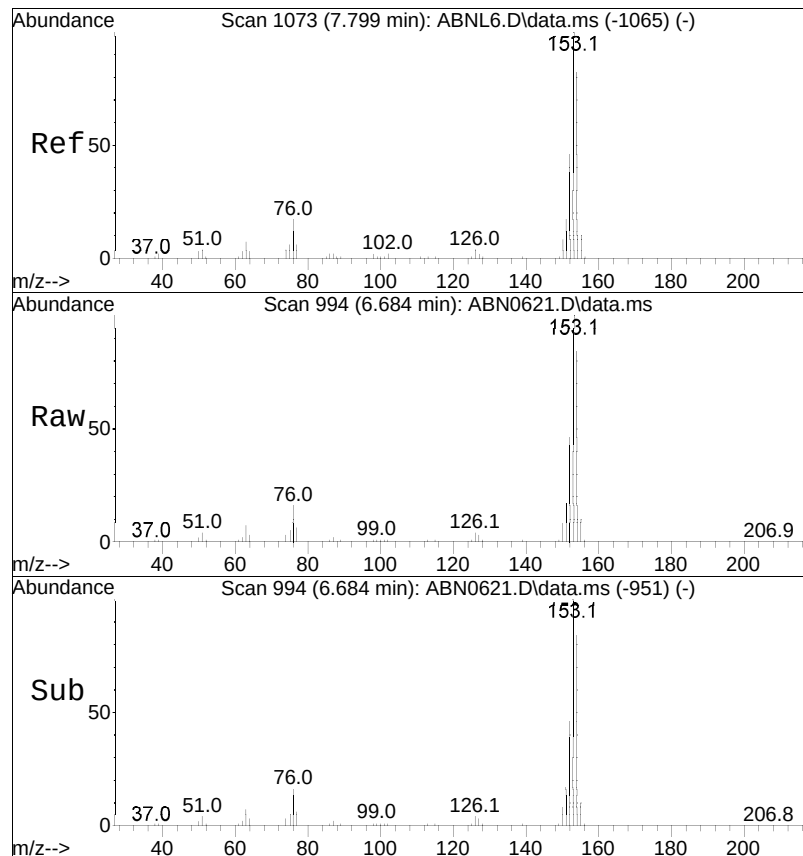
Ion Ratio Lower Upper

138 100

92 109.5 92.8 139.2

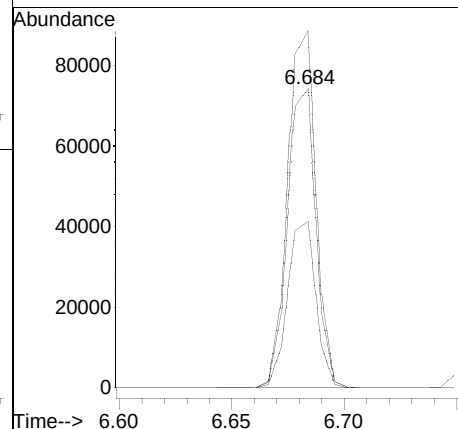
108 13.9 7.9 11.9#

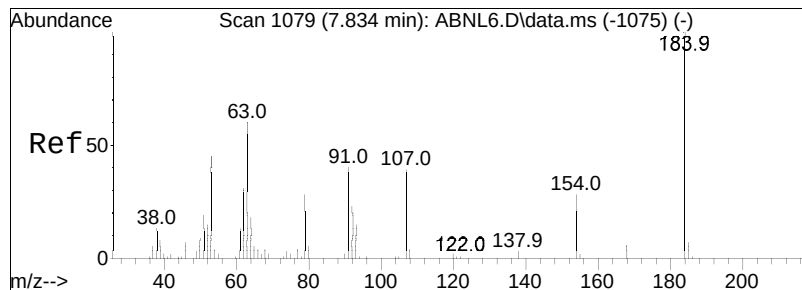




#65
 Acenaphthene
 Concen: 4.60 ug/ml
 RT: 6.684 min Scan# 994
 Delta R.T. 0.000 min
 Lab File: ABN0621.D
 Acq: 21 Jun 2025 11:28 am

Tgt Ion:	154	Resp:	65366
Ion Ratio	Lower	Upper	
154	100		
153	118.9	93.0	139.4
152	55.5	43.3	64.9





#66

2,4-Dinitrophenol

Concen: 4.03 ug/ml

RT: 6.754 min Scan# 1006

Delta R.T. 0.000 min

Lab File: ABN0621.D

Acq: 21 Jun 2025 11:28 am

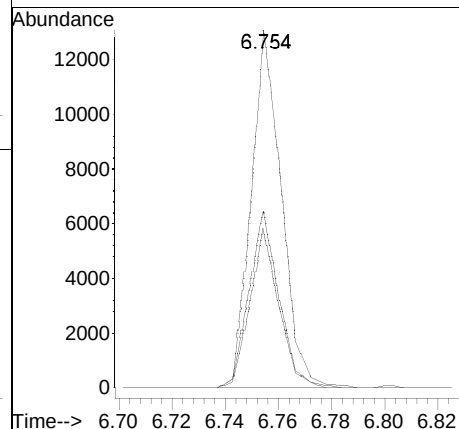
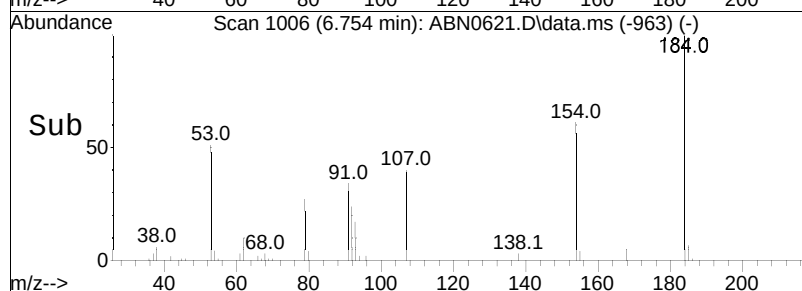
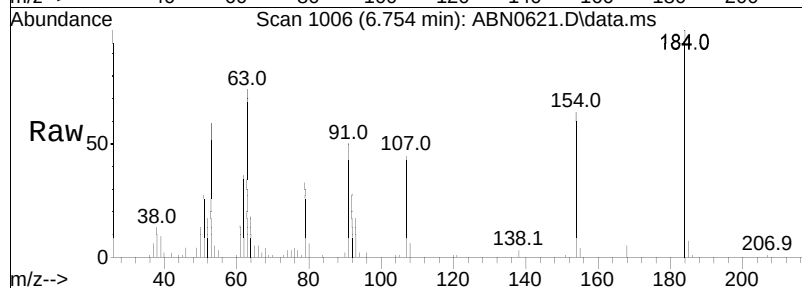
Tgt Ion:184 Resp: 10276

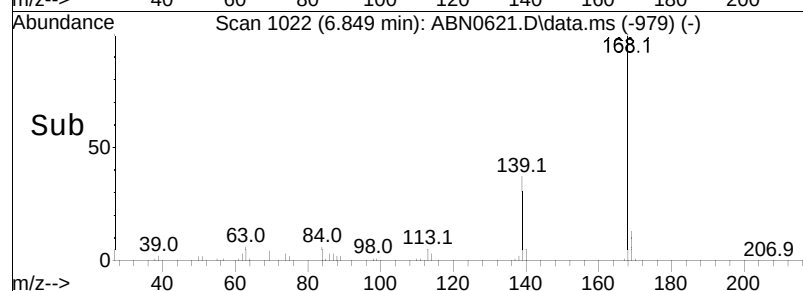
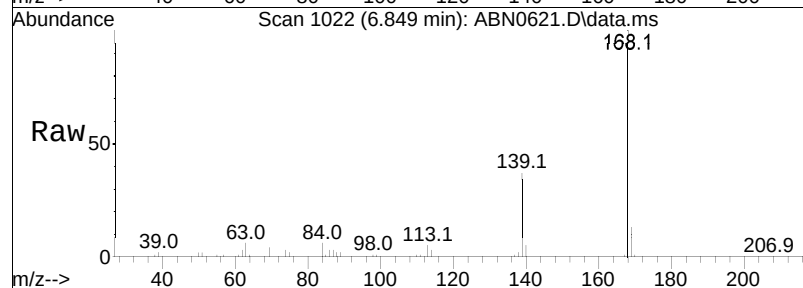
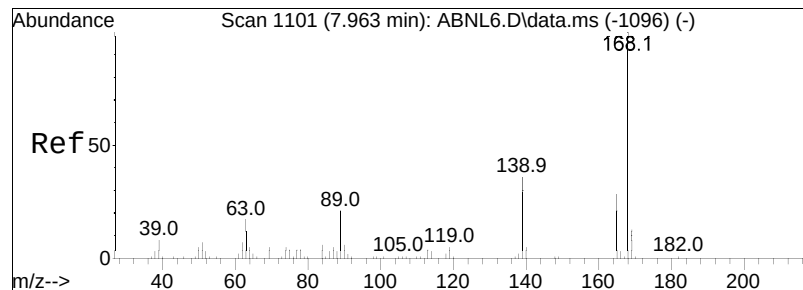
Ion Ratio Lower Upper

184 100

107 43.0 41.8 62.6

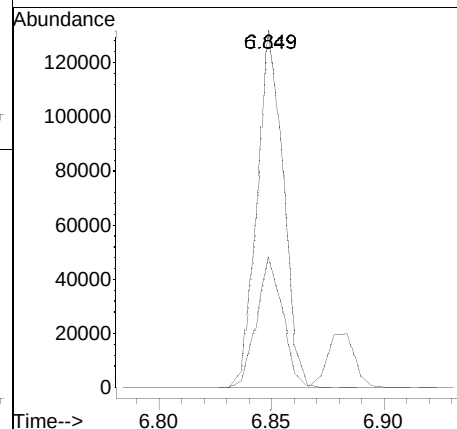
91 48.7 44.2 66.2

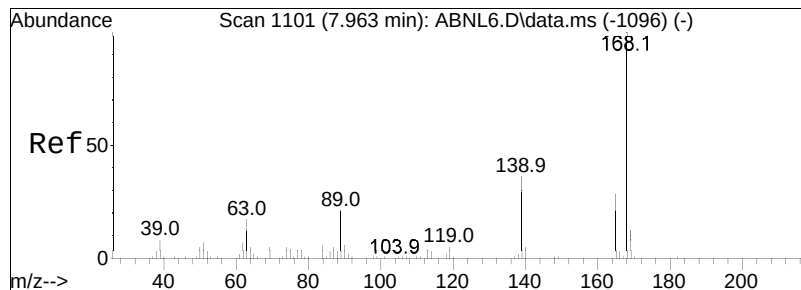




#67
 Dibenzofuran
 Concen: 4.32 ug/ml
 RT: 6.849 min Scan# 1022
 Delta R.T. 0.000 min
 Lab File: ABN0621.D
 Acq: 21 Jun 2025 11:28 am

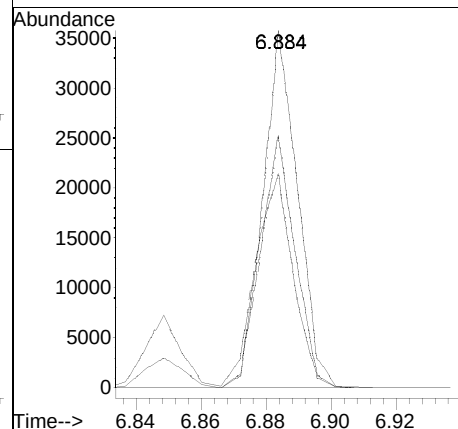
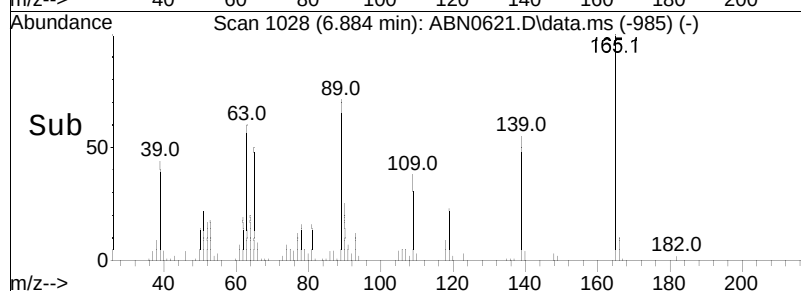
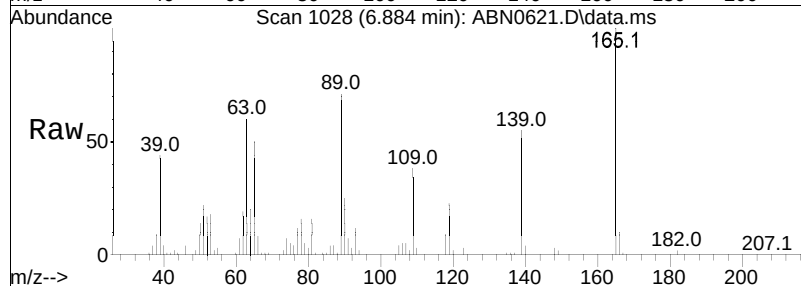
Tgt Ion	Ratio	Lower	Upper
168	100		
139	36.5	32.3	48.5

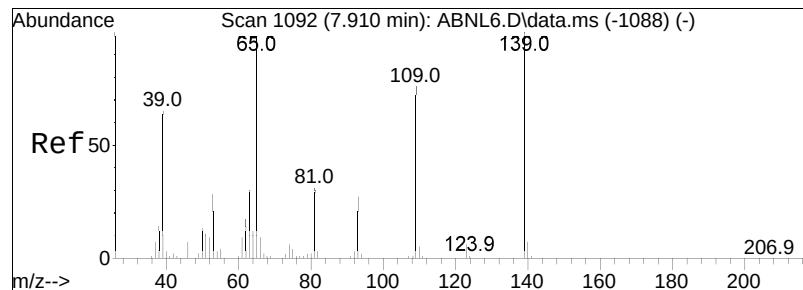




#68
 2,4-Dinitrotoluene
 Concen: 4.96 ug/ml
 RT: 6.884 min Scan# 1028
 Delta R.T. 0.000 min
 Lab File: ABN0621.D
 Acq: 21 Jun 2025 11:28 am

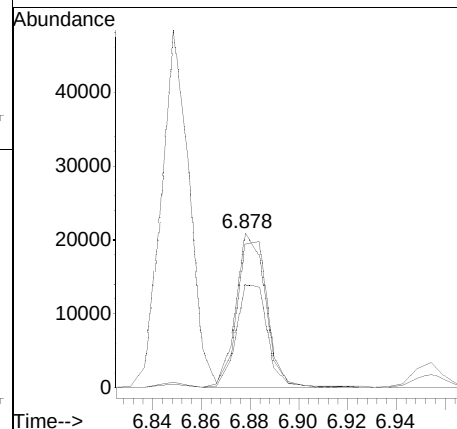
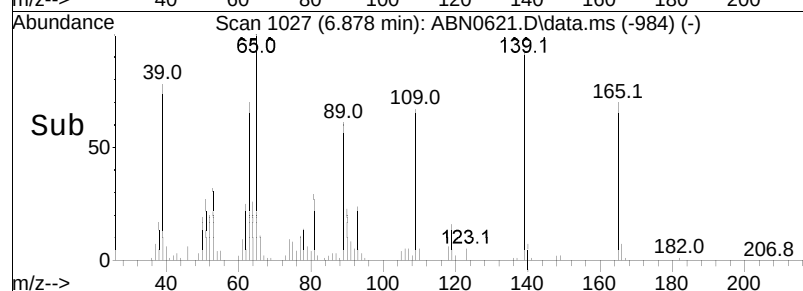
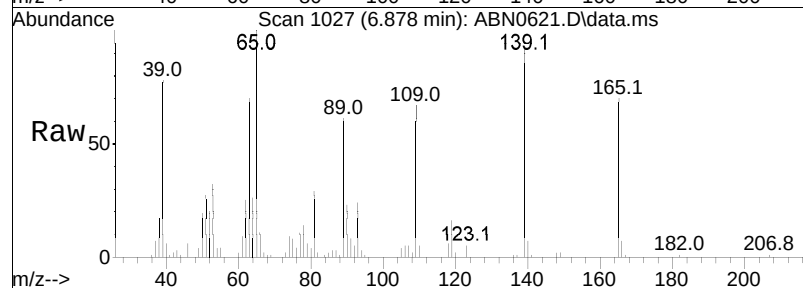
Tgt Ion	Ratio	Resp	Lower	Upper
165	100	26383		
89	70.5		73.0	109.4#
63	65.0		56.3	84.5

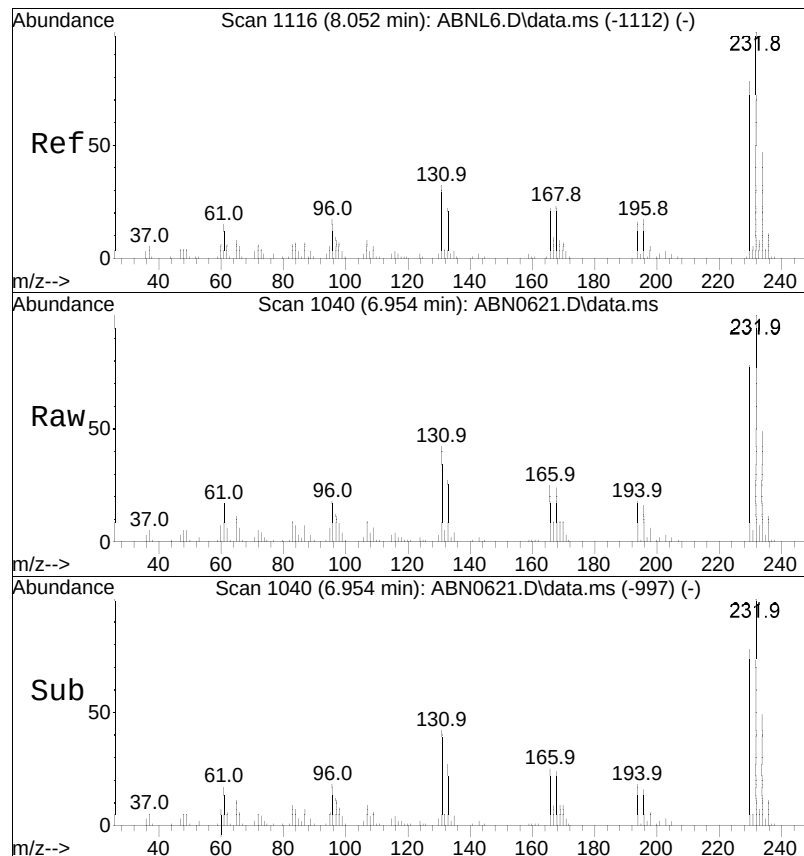




#69
 4-Nitrophenol
 Concen: 5.85 ug/ml
 RT: 6.878 min Scan# 1027
 Delta R.T. 0.000 min
 Lab File: ABN0621.D
 Acq: 21 Jun 2025 11:28 am

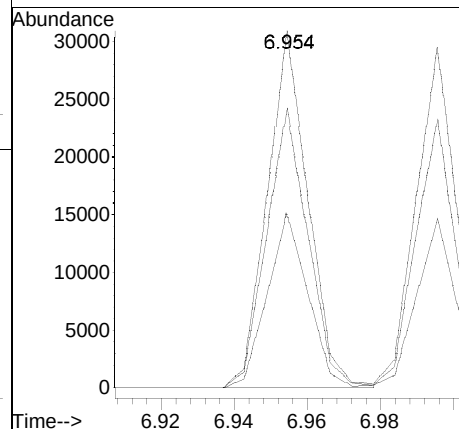
Tgt Ion	Ratio	Lower	Upper
65	100		
109	69.8	60.2	90.2
139	97.1	81.1	121.7

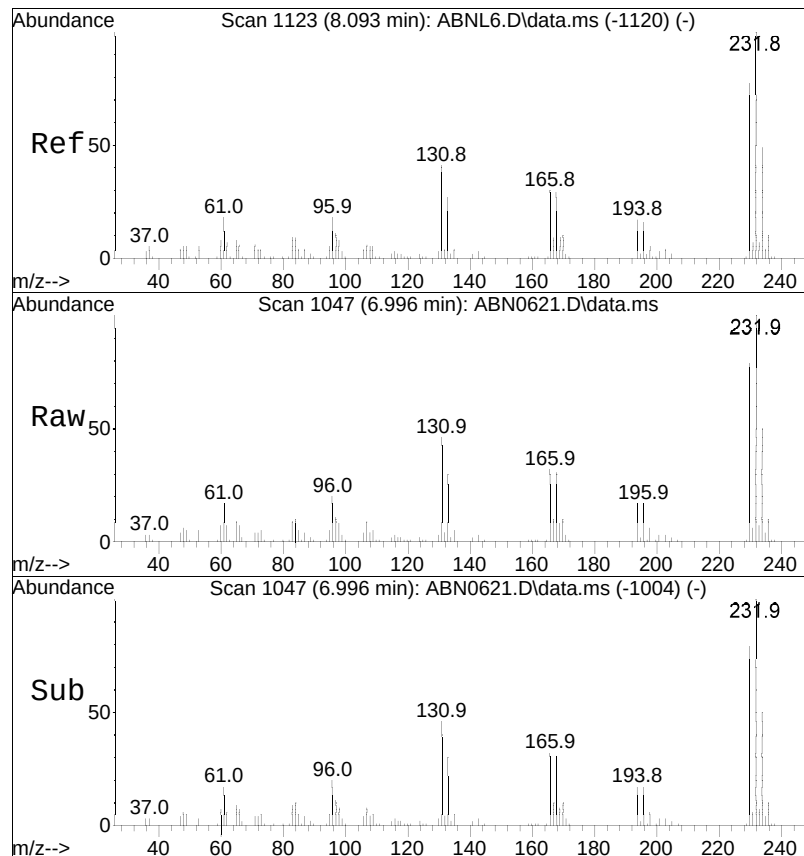




#70
 2,3,5,6-Tetrachlorophenol
 Concen: 4.60 ug/ml
 RT: 6.954 min Scan# 1040
 Delta R.T. 0.000 min
 Lab File: ABN0621.D
 Acq: 21 Jun 2025 11:28 am

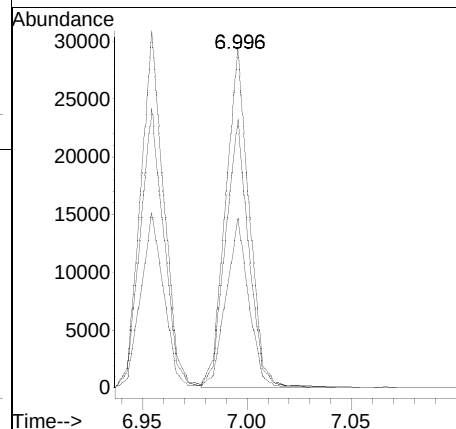
Tgt Ion:	232	Resp:	23926
Ion Ratio	Lower	Upper	
232	100		
230	79.6	63.8	95.8
234	48.5	38.3	57.5

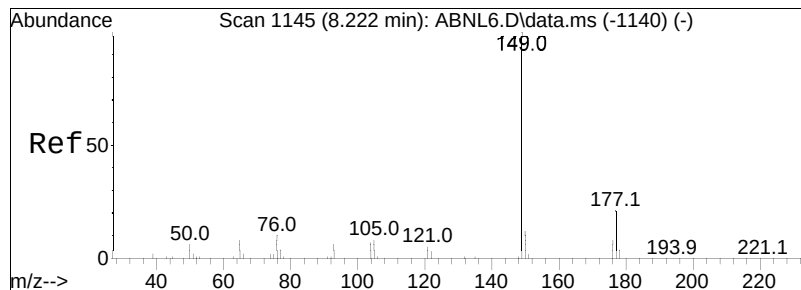




#71
 2,3,4,6-Tetrachlorophenol
 Concen: 4.38 ug/ml
 RT: 6.996 min Scan# 1047
 Delta R.T. 0.000 min
 Lab File: ABN0621.D
 Acq: 21 Jun 2025 11:28 am

Tgt Ion:	232	Resp:	23191
Ion Ratio	Lower	Upper	
232	100		
230	78.3	63.8	95.8
234	48.4	39.0	58.6





#72

Diethyl phthalate

Concen: 4.60 ug/ml

RT: 7.160 min Scan# 1075

Delta R.T. 0.000 min

Lab File: ABN0621.D

Acq: 21 Jun 2025 11:28 am

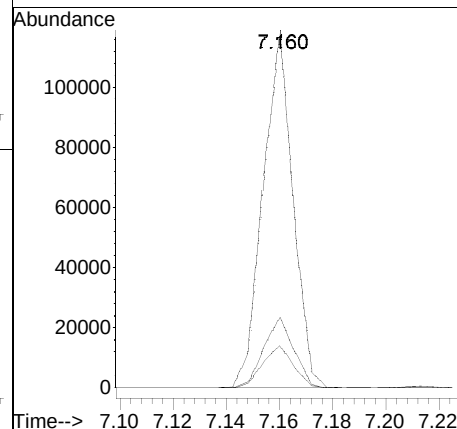
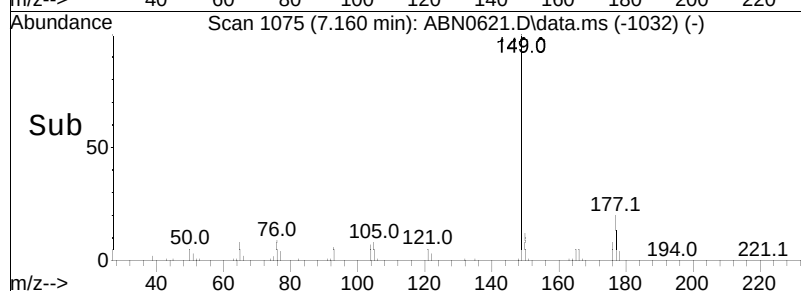
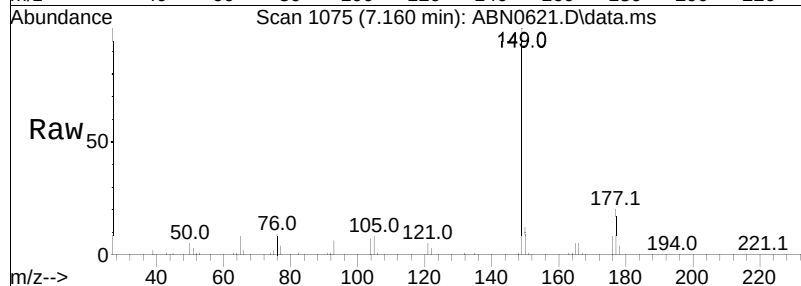
Tgt Ion:149 Resp: 91294

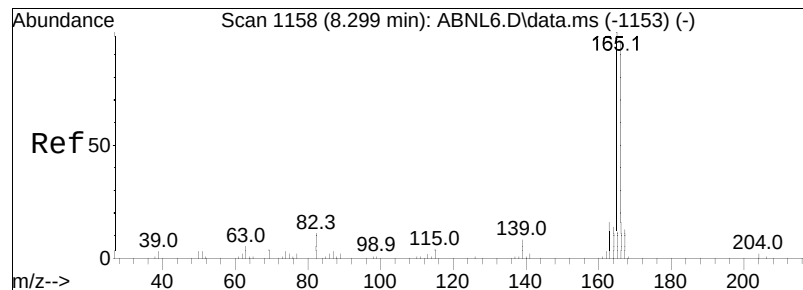
Ion Ratio Lower Upper

149 100

177 20.1 15.0 22.6

150 12.5 9.8 14.6





#73

Fluorene

Concen: 4.42 ug/ml

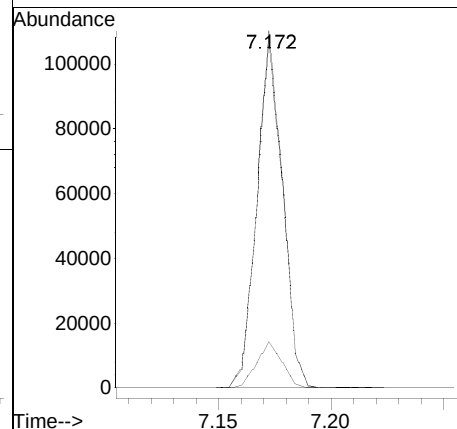
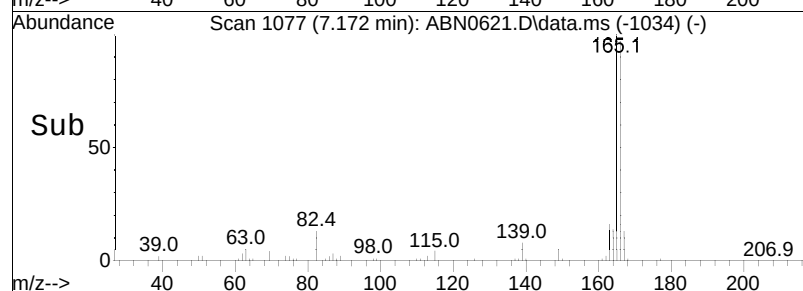
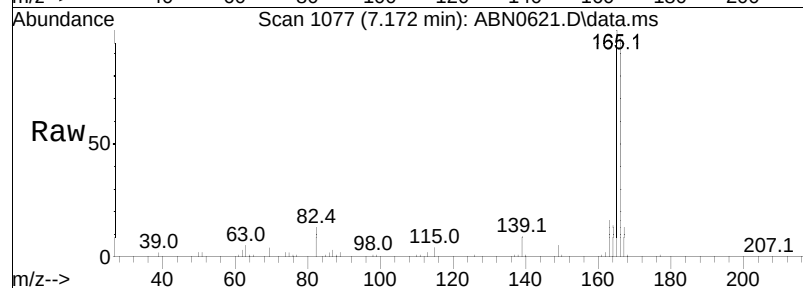
RT: 7.172 min Scan# 1077

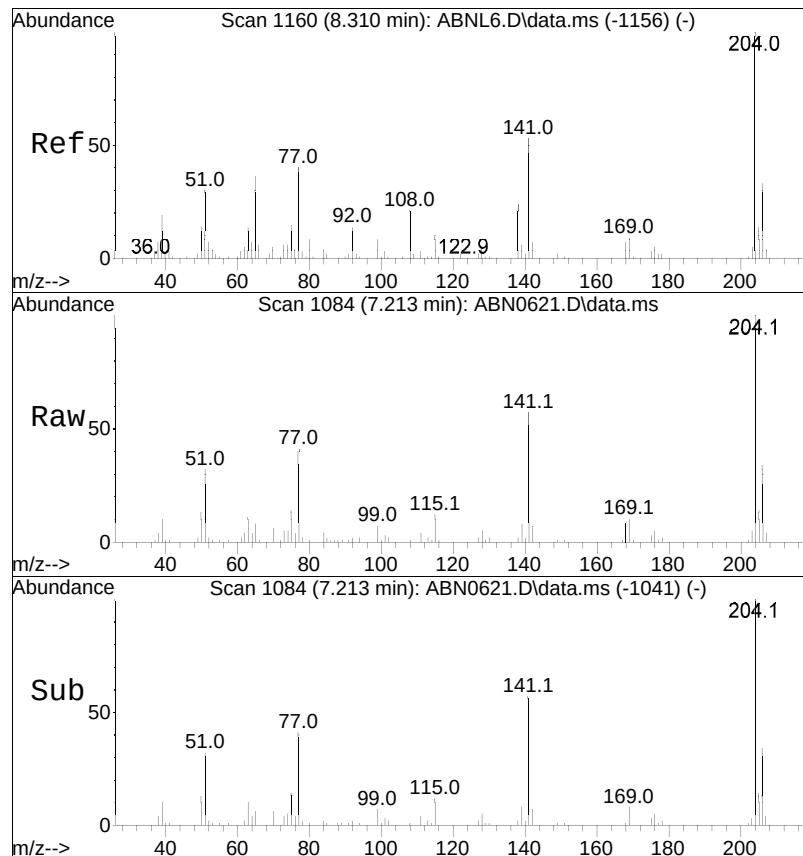
Delta R.T. 0.000 min

Lab File: ABN0621.D

Acq: 21 Jun 2025 11:28 am

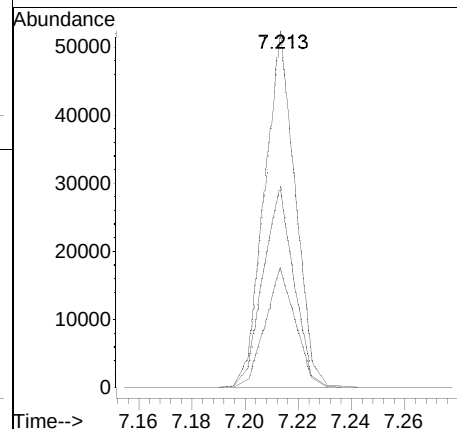
Tgt Ion:	166	Resp:	84926
Ion Ratio	Lower	Upper	
166	100		
165	102.4	80.0	120.0
167	13.3	10.7	16.1

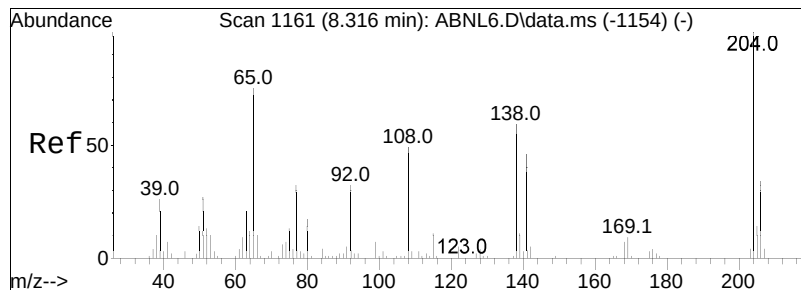




#74
 4-Chlorophenyl phenyl ether
 Concen: 4.10 ug/ml
 RT: 7.213 min Scan# 1084
 Delta R.T. 0.000 min
 Lab File: ABN0621.D
 Acq: 21 Jun 2025 11:28 am

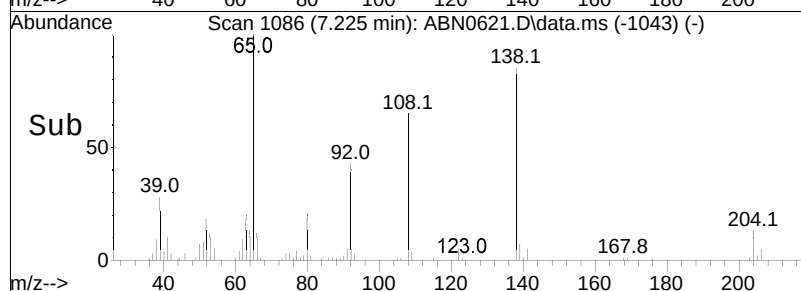
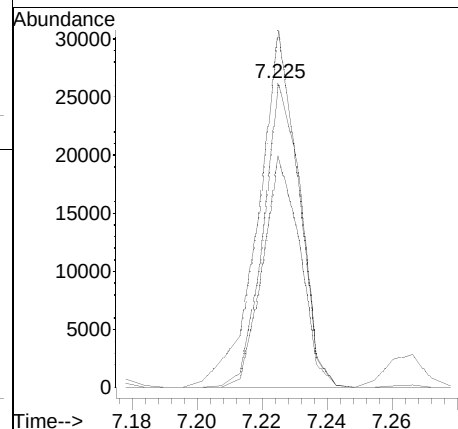
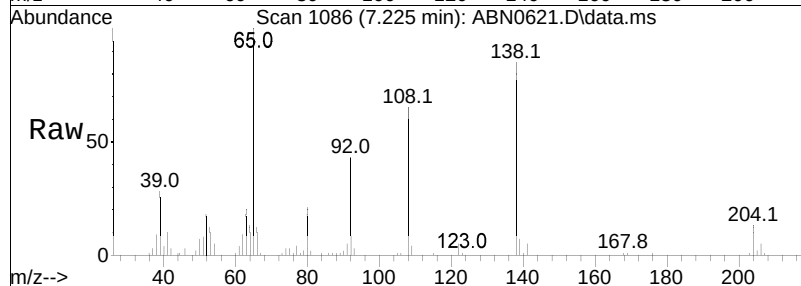
Tgt Ion:	204	Resp:	41533
Ion Ratio	Lower	Upper	
204	100		
206	32.8	26.3	39.5
141	56.4	58.4	87.6#

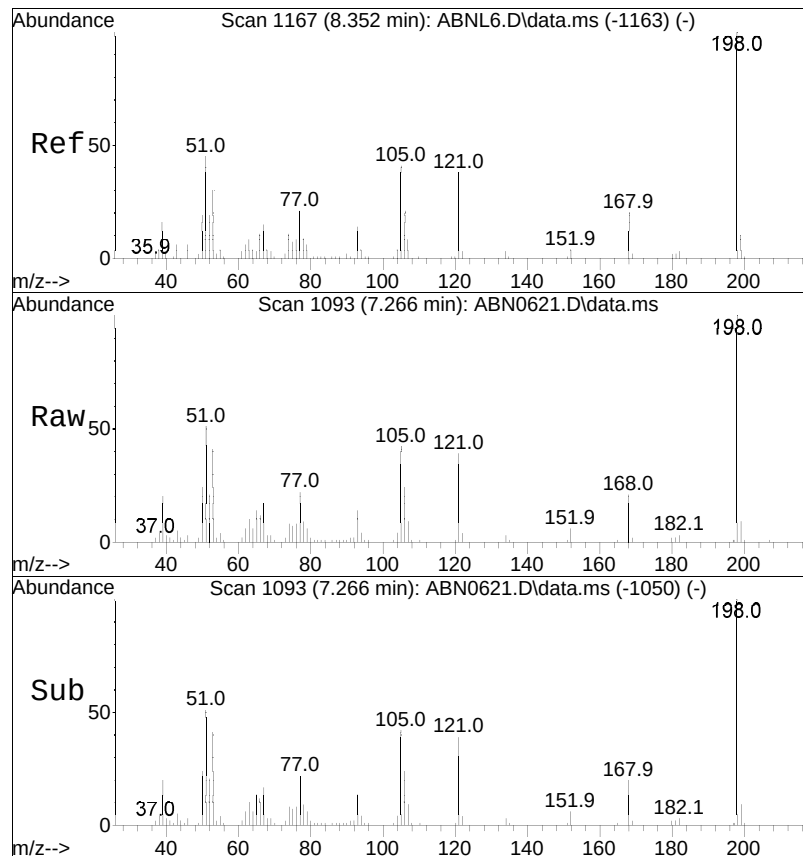




#75
 4-Nitroaniline
 Concen: 4.92 ug/ml
 RT: 7.225 min Scan# 1086
 Delta R.T. 0.000 min
 Lab File: ABN0621.D
 Acq: 21 Jun 2025 11:28 am

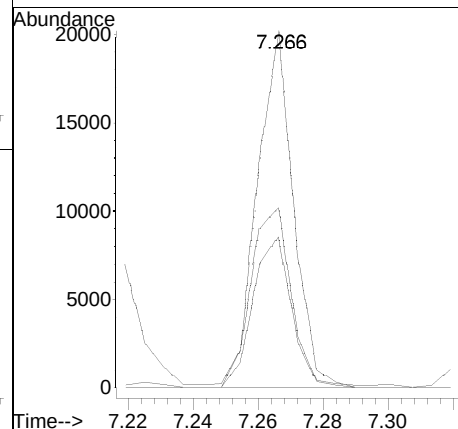
Tgt Ion	Ratio	Resp	Lower	Upper
138	100	20982		
108	75.1		59.2	88.8
65	123.9		97.6	146.4

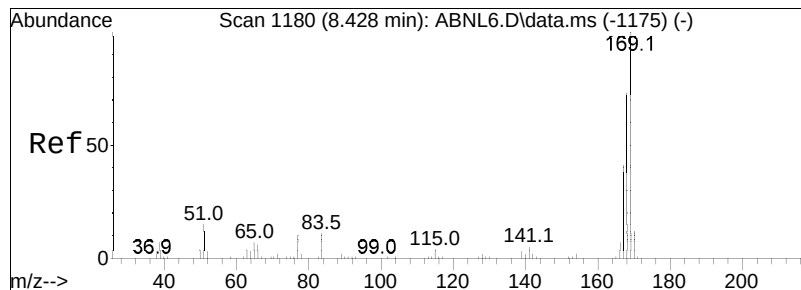




#76
 4,6-Dinitro-o-cresol
 Concen: 4.98 ug/ml
 RT: 7.266 min Scan# 1093
 Delta R.T. 0.000 min
 Lab File: ABN0621.D
 Acq: 21 Jun 2025 11:28 am

Tgt Ion:	198	Resp:	15438
Ion Ratio	Lower	Upper	
198	100		
51	58.1	49.9	74.9
105	45.6	45.8	68.6#





#77

NDPA/DPA

Concen: 4.54 ug/ml

RT: 7.331 min Scan# 1104

Delta R.T. 0.000 min

Lab File: ABN0621.D

Acq: 21 Jun 2025 11:28 am

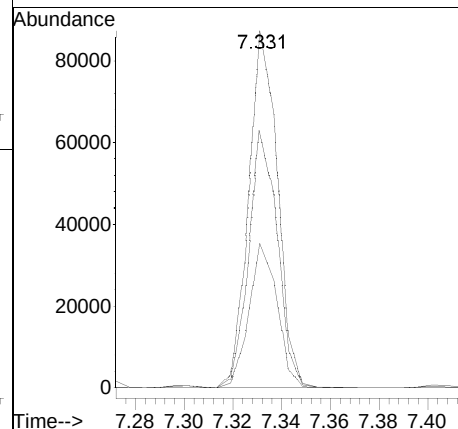
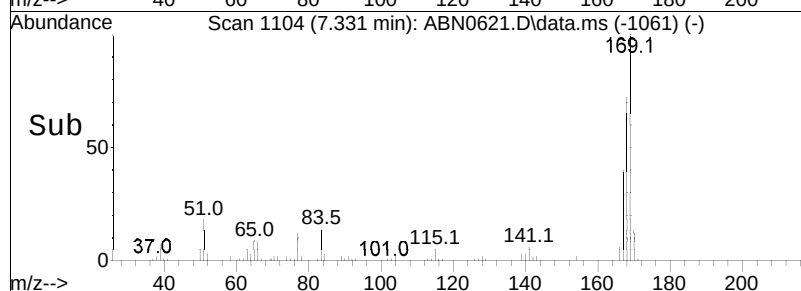
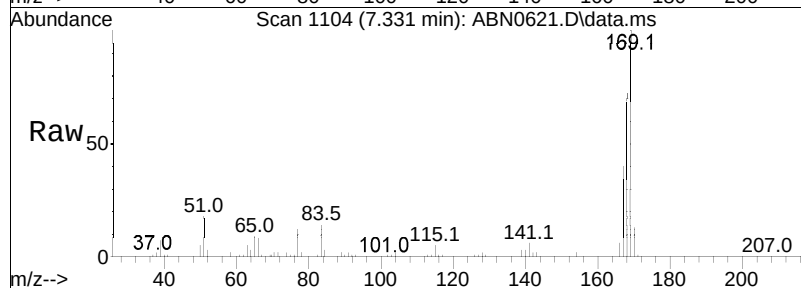
Tgt Ion:169 Resp: 71664

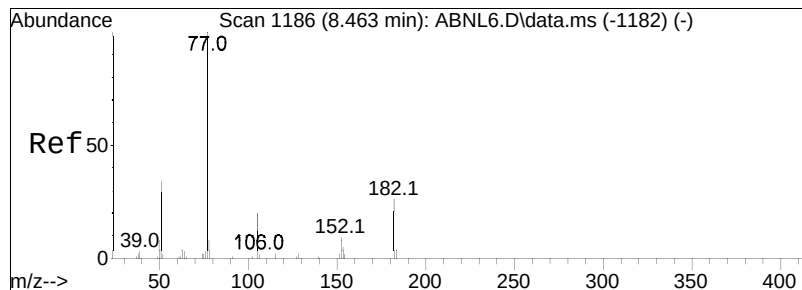
Ion Ratio Lower Upper

169 100

168 71.5 55.2 82.8

167 39.6 30.4 45.6





#78

Azobenzene

Concen: 4.52 ug/ml M6

RT: 7.354 min Scan# 1108

Delta R.T. 0.000 min

Lab File: ABN0621.D

Acq: 21 Jun 2025 11:28 am

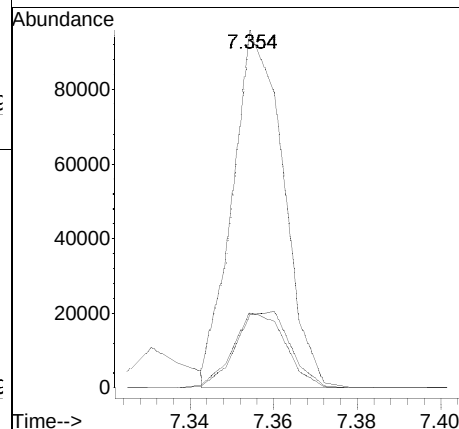
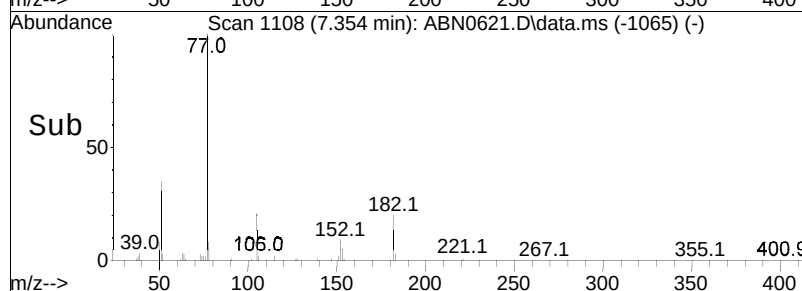
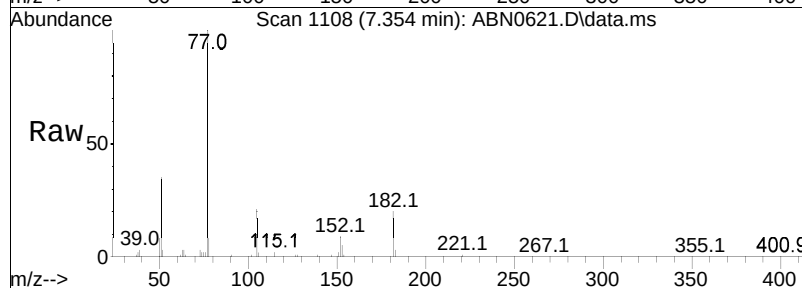
Tgt Ion: 77 Resp: 80094

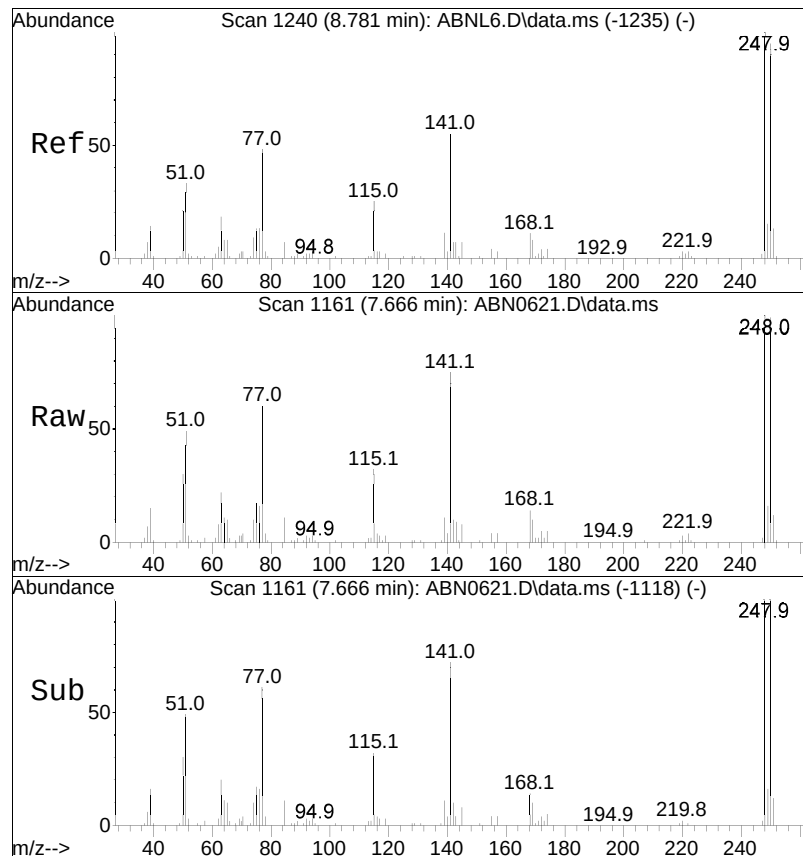
Ion Ratio Lower Upper

77 100

182 23.2 16.2 24.2

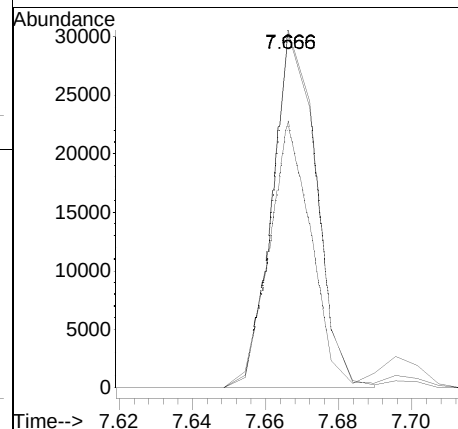
105 22.1 17.9 26.9

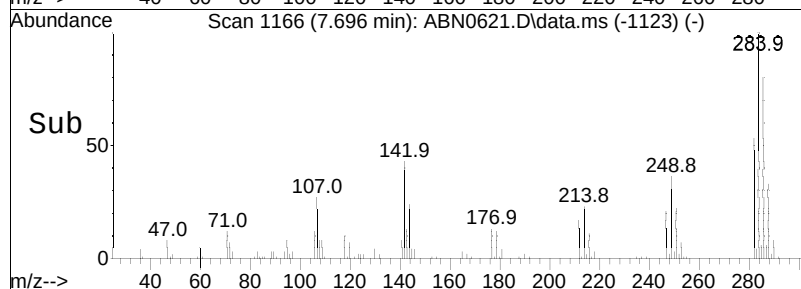
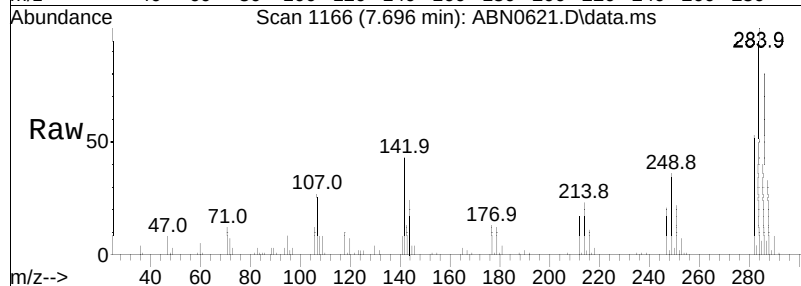
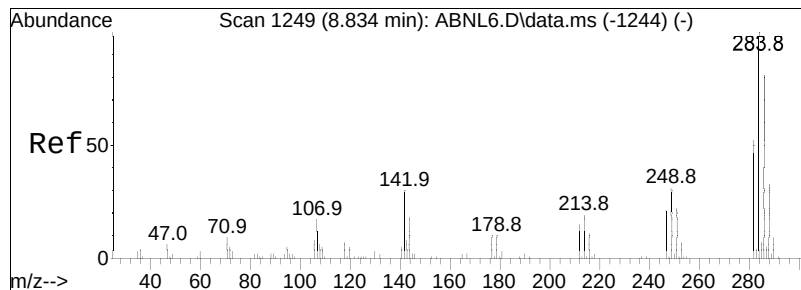




#80
 4-Bromophenyl phenyl ether
 Concen: 3.86 ug/ml
 RT: 7.666 min Scan# 1161
 Delta R.T. 0.000 min
 Lab File: ABN0621.D
 Acq: 21 Jun 2025 11:28 am

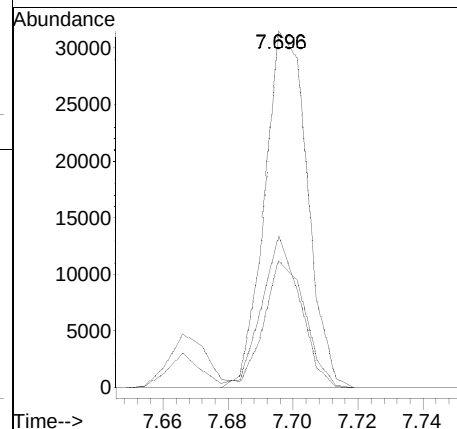
Tgt Ion:	248	Resp:	25432
Ion Ratio	Lower	Upper	
248	100		
141	70.9	74.6	111.8#
250	98.7	76.9	115.3

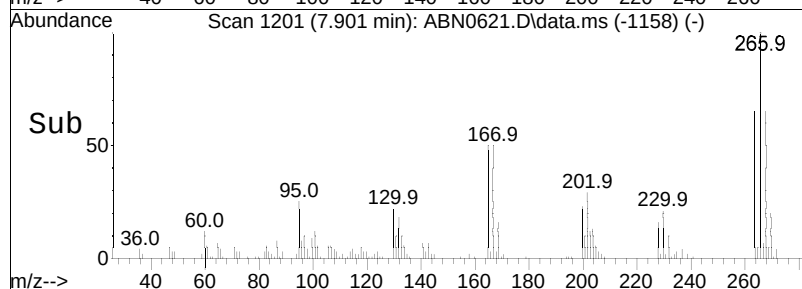
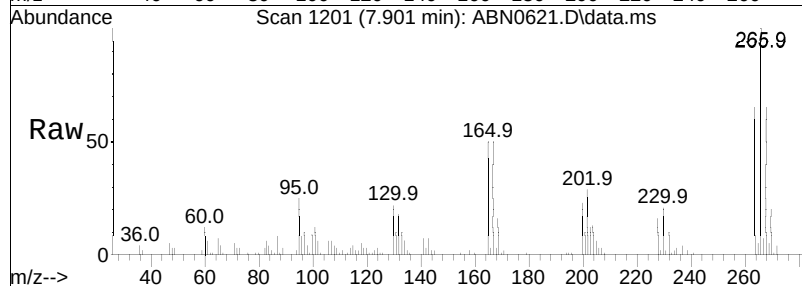
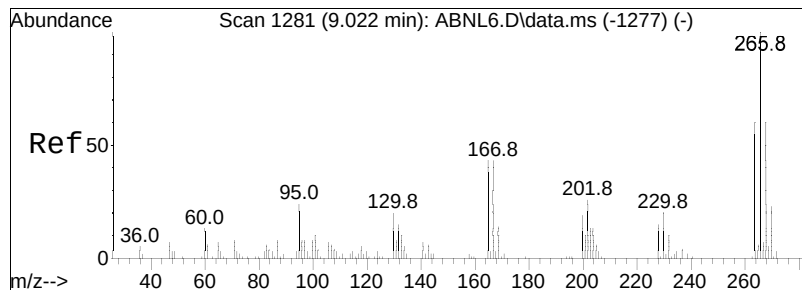




#81
 Hexachlorobenzene
 Concen: 3.69 ug/ml
 RT: 7.696 min Scan# 1166
 Delta R.T. 0.000 min
 Lab File: ABN0621.D
 Acq: 21 Jun 2025 11:28 am

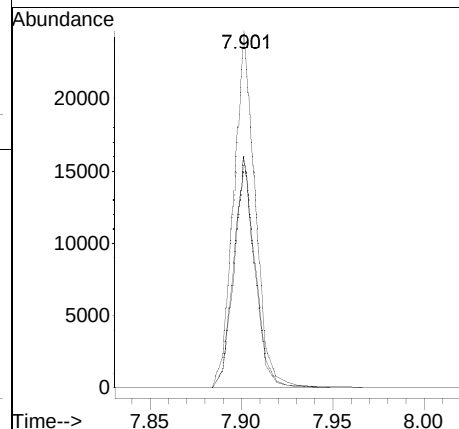
Tgt Ion	Ratio	Lower	Upper
284	100		
142	38.4	37.6	56.4
249	34.1	25.4	38.2

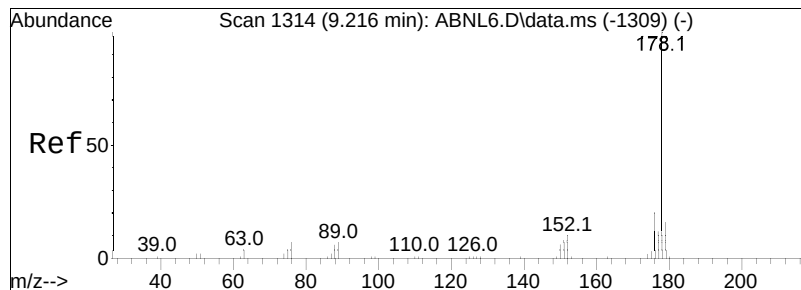




#82
 Pentachlorophenol
 Concen: 4.85 ug/ml
 RT: 7.901 min Scan# 1201
 Delta R.T. 0.000 min
 Lab File: ABN0621.D
 Acq: 21 Jun 2025 11:28 am

Tgt Ion	Ratio	Lower	Upper
266	100		
264	61.5	50.7	76.1
268	65.0	52.5	78.7





#89

Phenanthrene

Concen: 4.46 ug/ml

RT: 8.066 min Scan# 1229

Delta R.T. 0.000 min

Lab File: ABN0621.D

Acq: 21 Jun 2025 11:28 am

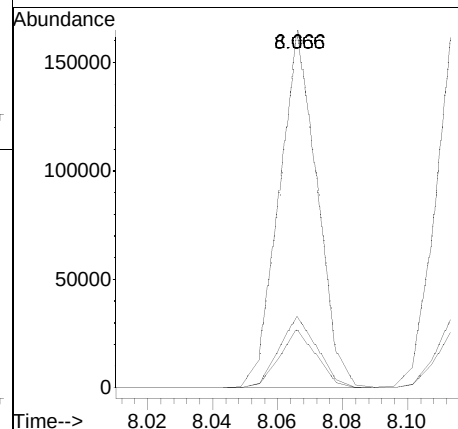
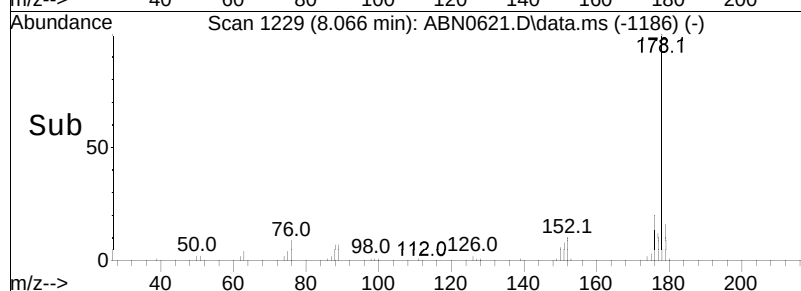
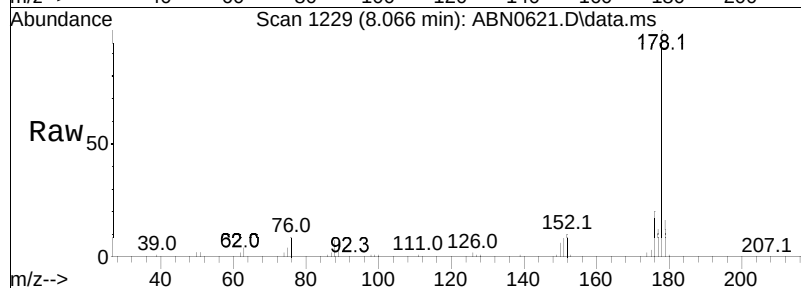
Tgt Ion:178 Resp: 134035

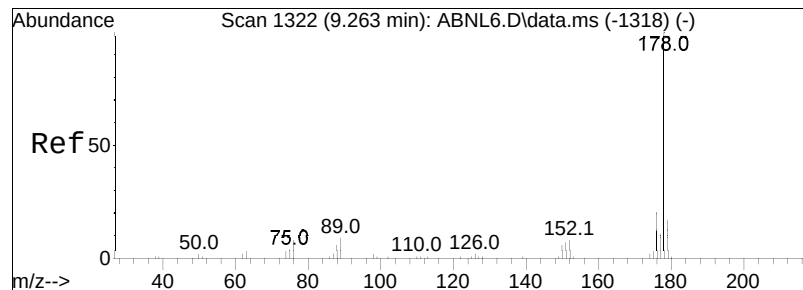
Ion Ratio Lower Upper

178 100

179 15.8 12.3 18.5

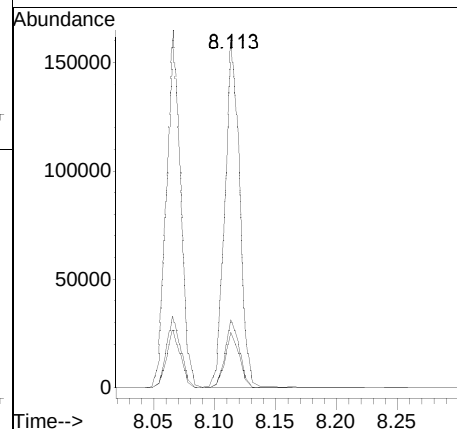
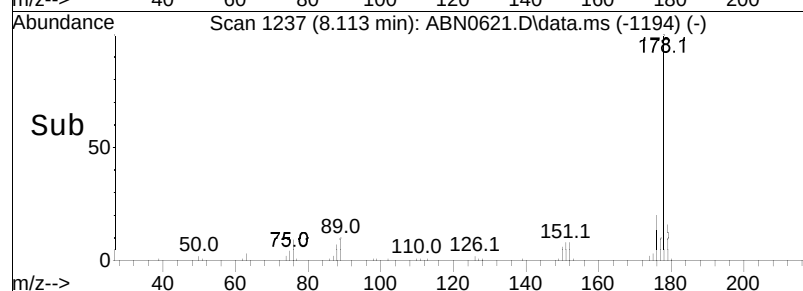
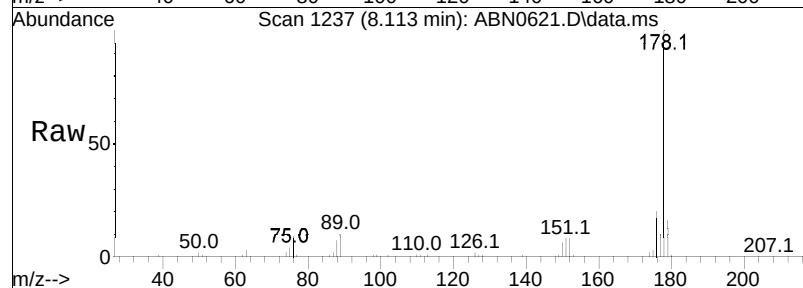
176 20.0 15.4 23.2

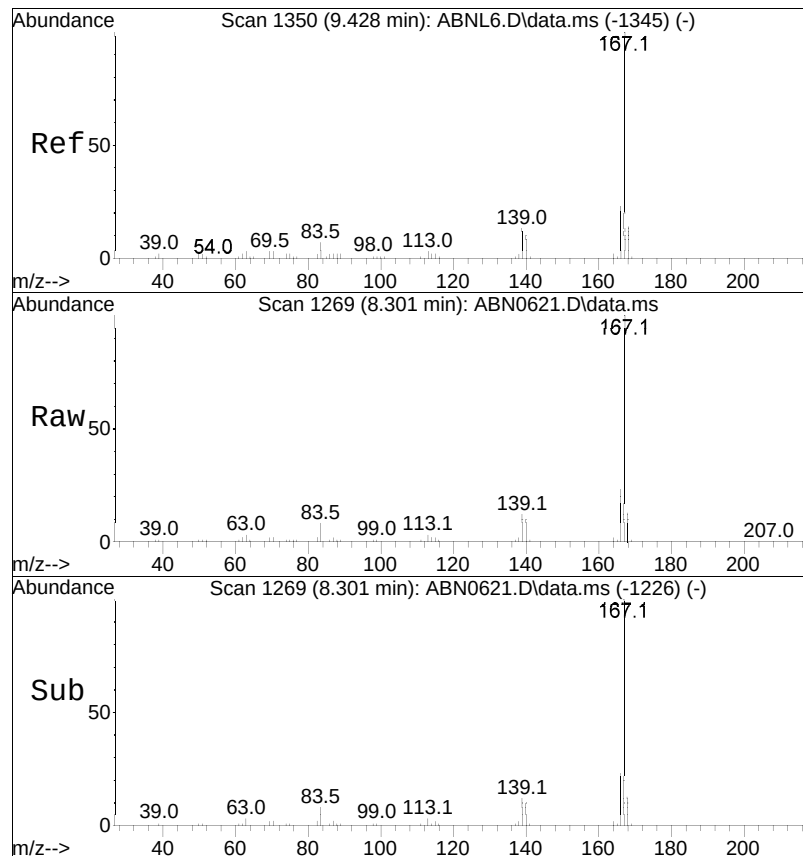




#90
 Anthracene
 Concen: 4.73 ug/ml
 RT: 8.113 min Scan# 1237
 Delta R.T. 0.000 min
 Lab File: ABN0621.D
 Acq: 21 Jun 2025 11:28 am

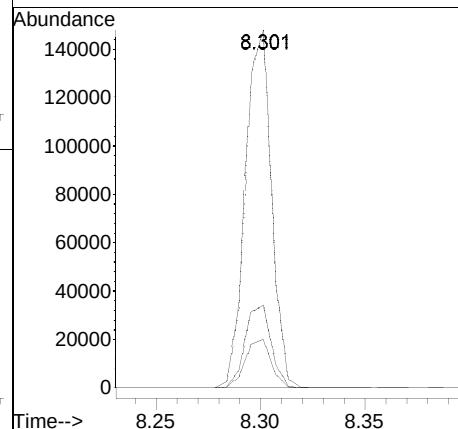
Tgt	Ion	Ratio	Lower	Upper
178	100			
179	15.4	12.2	18.2	
176	18.8	15.1	22.7	

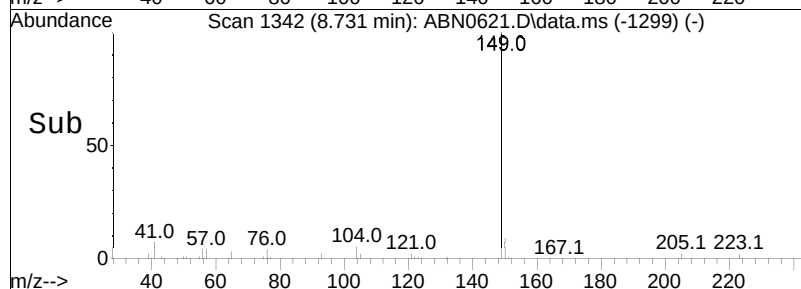
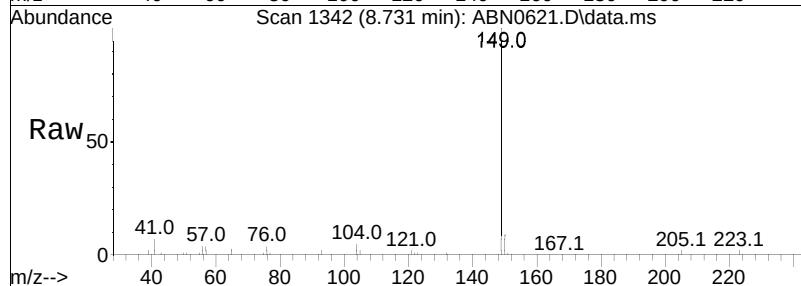
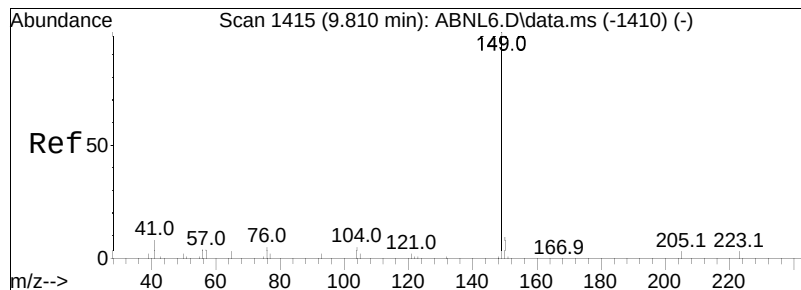




#91
 Carbazole
 Concen: 4.75 ug/ml
 RT: 8.301 min Scan# 1269
 Delta R.T. 0.000 min
 Lab File: ABN0621.D
 Acq: 21 Jun 2025 11:28 am

Tgt Ion:	167	Resp:	127424
Ion Ratio	Lower	Upper	
167	100		
168	13.5	10.8	16.2
166	23.2	17.7	26.5





#92

Di-n-butylphthalate

Concen: 5.15 ug/ml

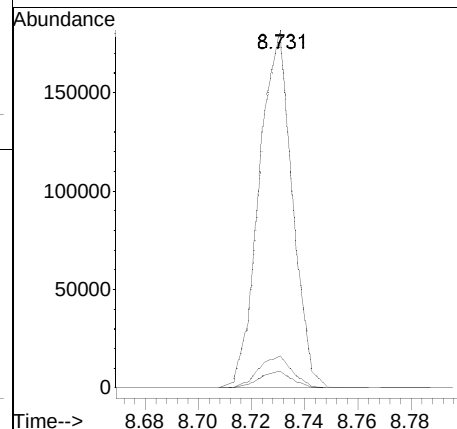
RT: 8.731 min Scan# 1342

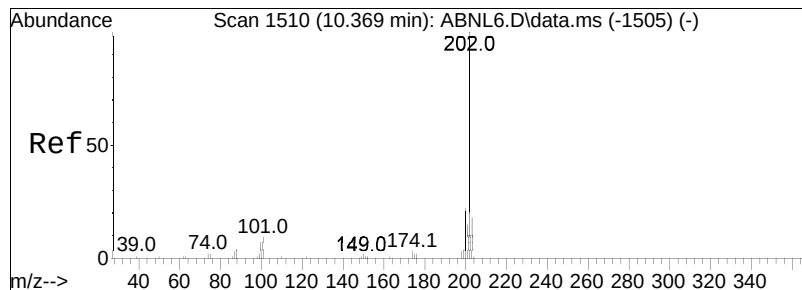
Delta R.T. 0.000 min

Lab File: ABN0621.D

Acq: 21 Jun 2025 11:28 am

Tgt	Ion:149	Resp:	154757
Ion	Ratio	Lower	Upper
149	100		
150	9.2	7.3	10.9
104	4.6	4.0	6.0





#93

Fluoranthene

Concen: 4.58 ug/ml

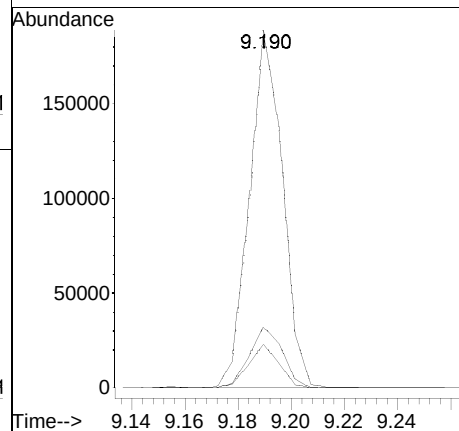
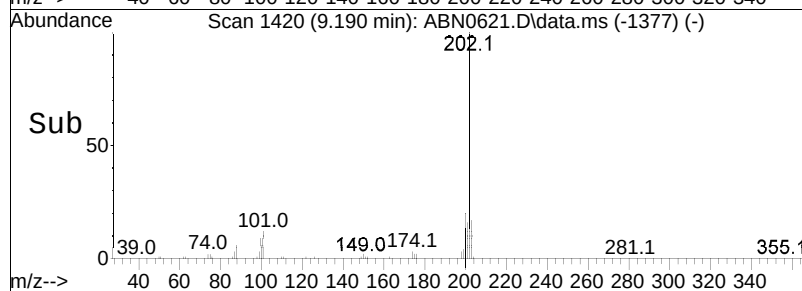
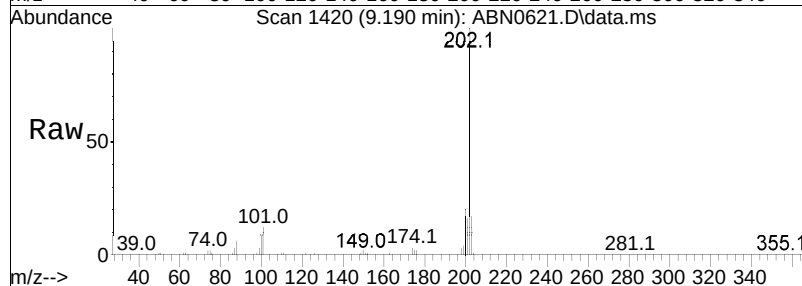
RT: 9.190 min Scan# 1420

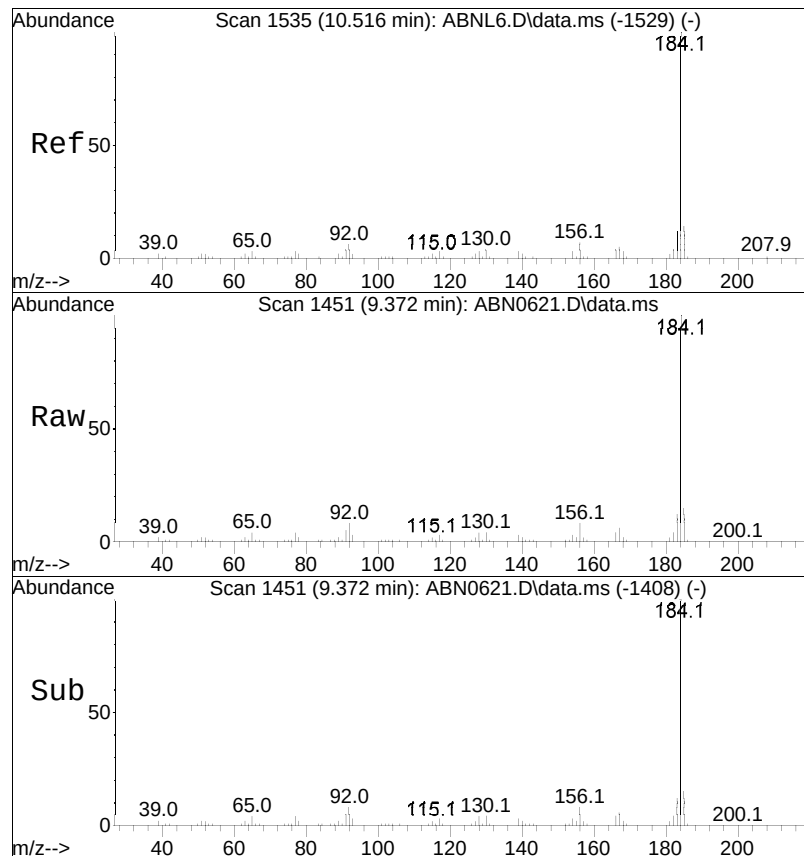
Delta R.T. 0.000 min

Lab File: ABN0621.D

Acq: 21 Jun 2025 11:28 am

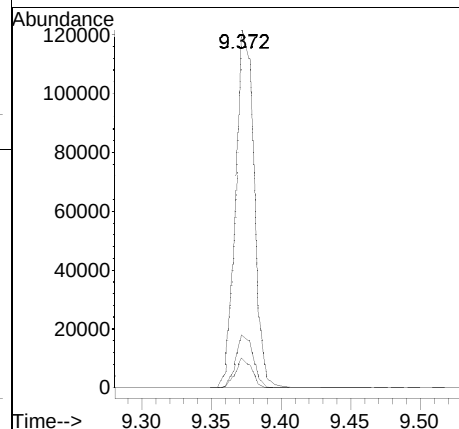
Tgt Ion:	202	Resp:	161404
Ion Ratio	Lower	Upper	
202	100		
101	11.5	11.2	16.8
203	17.3	13.7	20.5

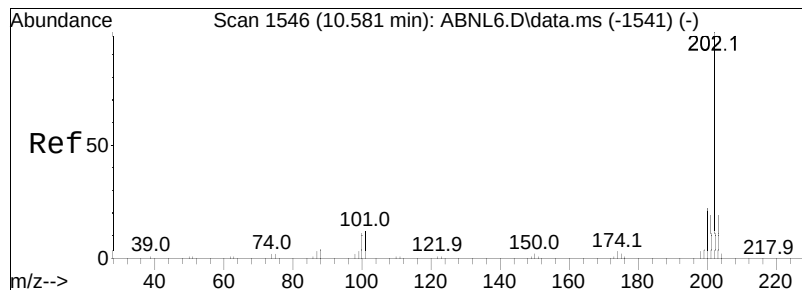




#94
 Benzidine
 Concen: 5.82 ug/ml
 RT: 9.372 min Scan# 1451
 Delta R.T. 0.000 min
 Lab File: ABN0621.D
 Acq: 21 Jun 2025 11:28 am

Tgt Ion:	184	Resp:	111097
Ion Ratio	Lower	Upper	
184	100		
92	7.5	7.3	10.9
185	14.2	11.8	17.8





#95

Pyrene

Concen: 4.70 ug/ml

RT: 9.395 min Scan# 1455

Delta R.T. 0.000 min

Lab File: ABN0621.D

Acq: 21 Jun 2025 11:28 am

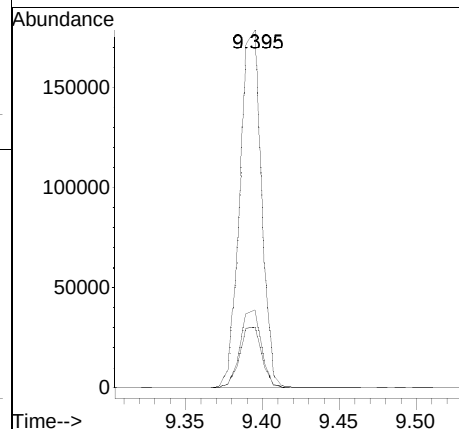
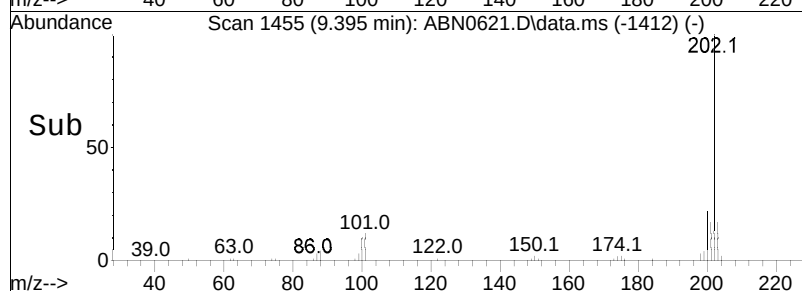
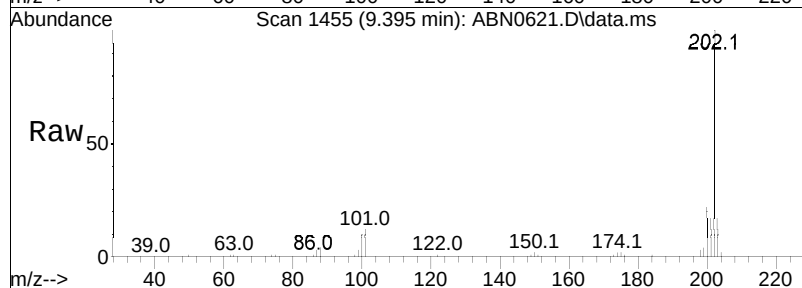
Tgt Ion: 202 Resp: 172977

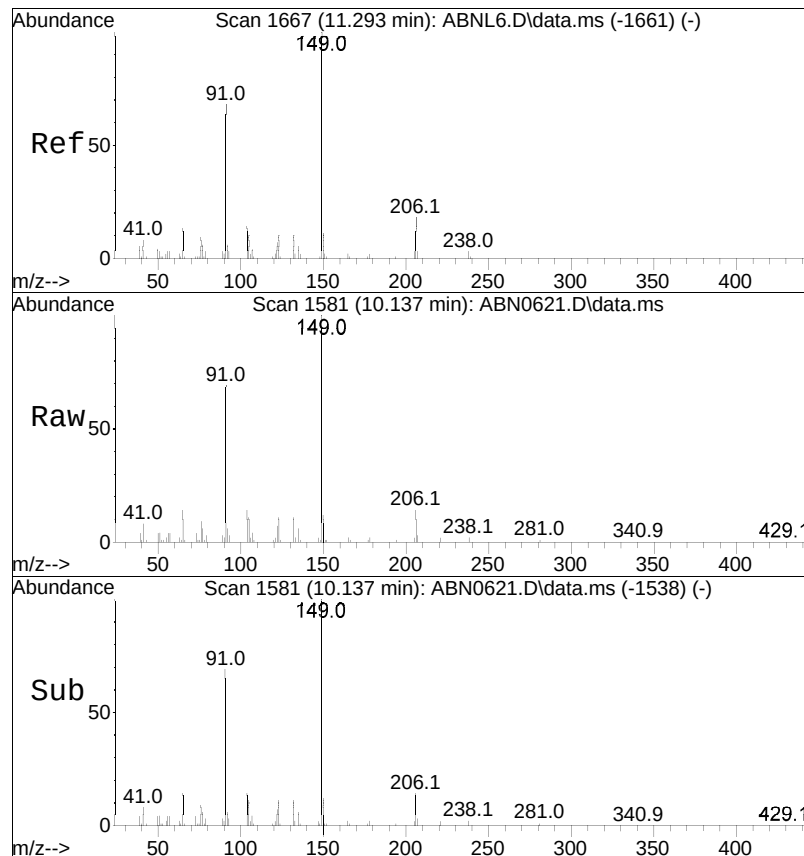
Ion Ratio Lower Upper

202 100

200 21.3 16.9 25.3

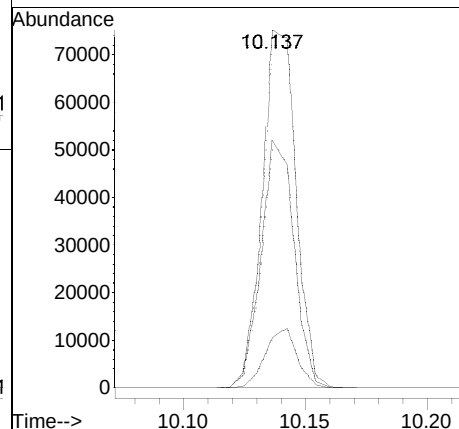
203 17.4 14.3 21.5

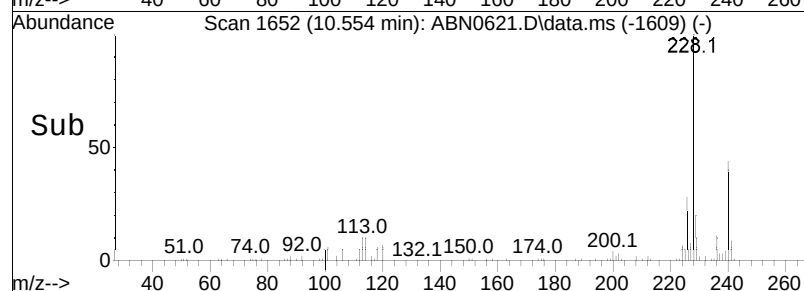
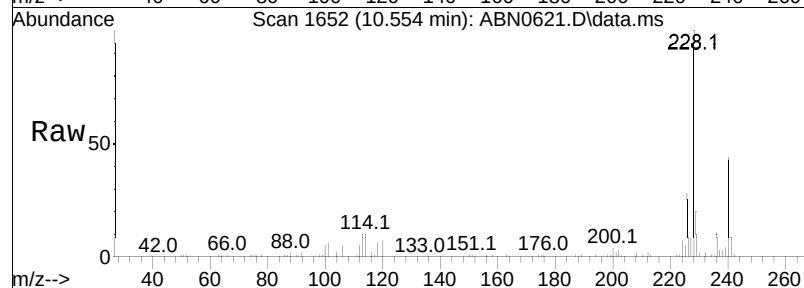
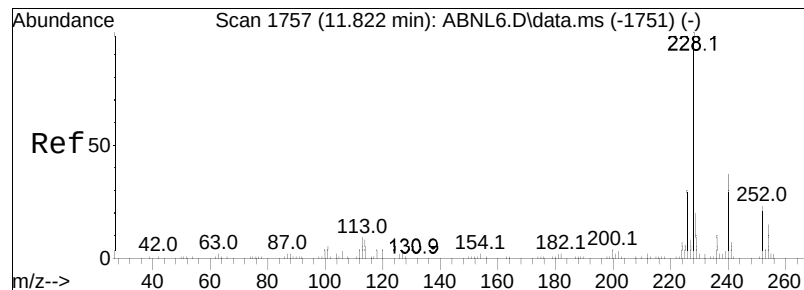




#97
 Butyl benzyl phthalate
 Concen: 5.47 ug/ml
 RT: 10.137 min Scan# 1581
 Delta R.T. 0.000 min
 Lab File: ABN0621.D
 Acq: 21 Jun 2025 11:28 am

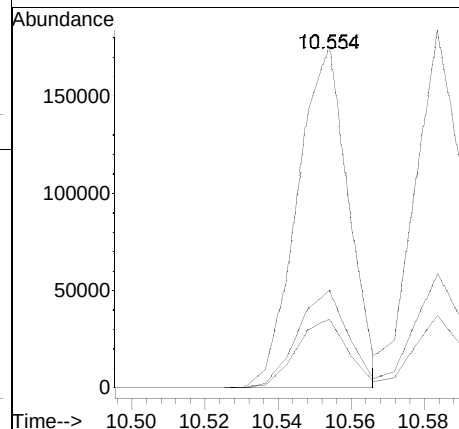
Tgt Ion:	149	Resp:	71579
Ion Ratio	Lower	Upper	
149	100		
91	67.6	57.9	86.9
206	15.7	11.9	17.9

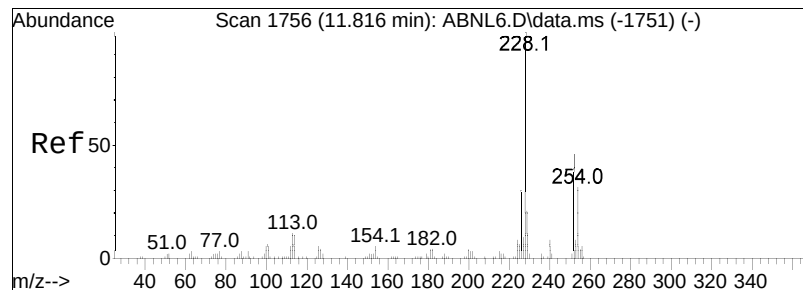




#105
 Benzo(a)anthracene
 Concen: 4.75 ug/ml
 RT: 10.554 min Scan# 1652
 Delta R.T. 0.000 min
 Lab File: ABN0621.D
 Acq: 21 Jun 2025 11:28 am

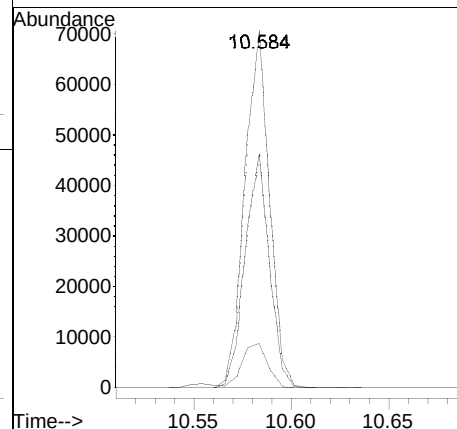
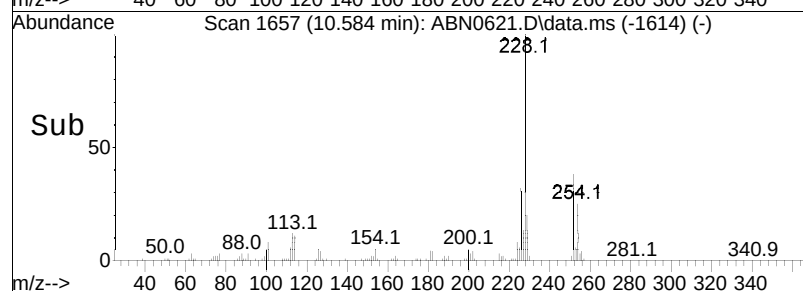
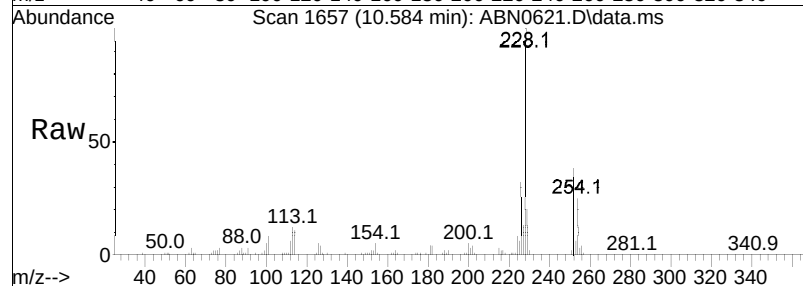
Tgt Ion	Ratio	Lower	Upper
228	100		
226	28.5	22.6	34.0
229	20.3	15.8	23.6

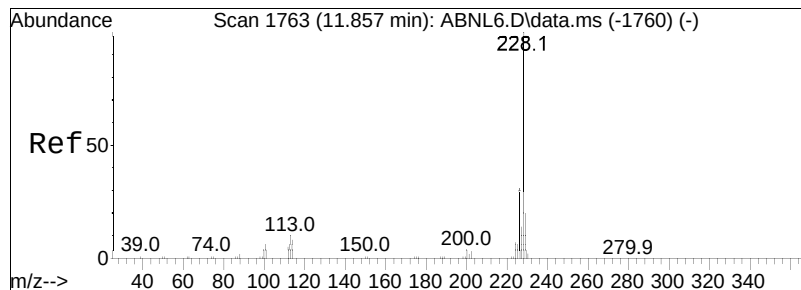




#106
 3,3'-Dichlorobenzidine
 Concen: 4.78 ug/ml
 RT: 10.584 min Scan# 1657
 Delta R.T. 0.000 min
 Lab File: ABN0621.D
 Acq: 21 Jun 2025 11:28 am

Tgt Ion	Ratio	Lower	Upper
252	100		
126	14.5	12.6	19.0
254	64.7	51.1	76.7





#107

Chrysene

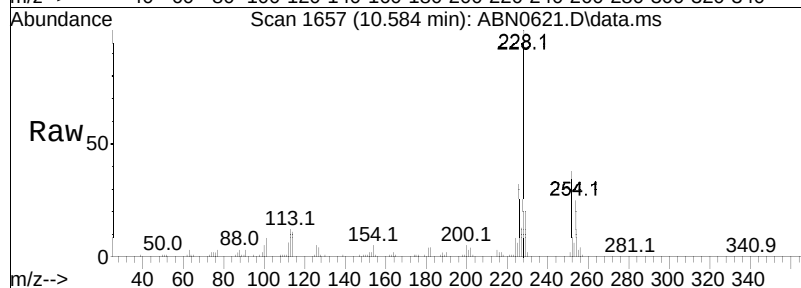
Concen: 4.74 ug/ml

RT: 10.584 min Scan# 1657

Delta R.T. 0.000 min

Lab File: ABN0621.D

Acq: 21 Jun 2025 11:28 am



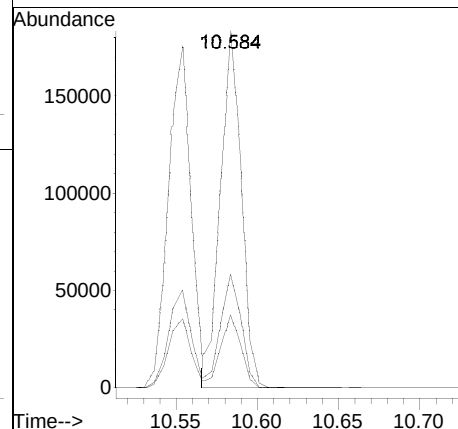
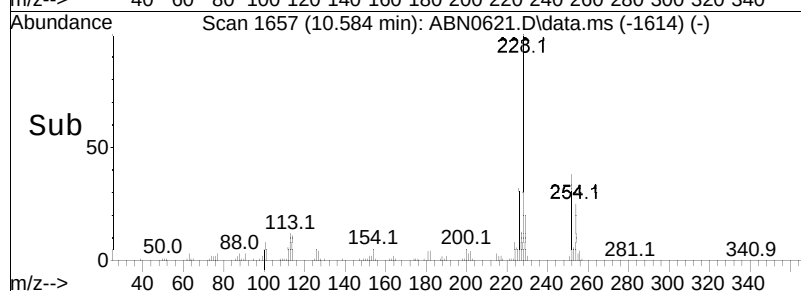
Tgt Ion: 228 Resp: 163583

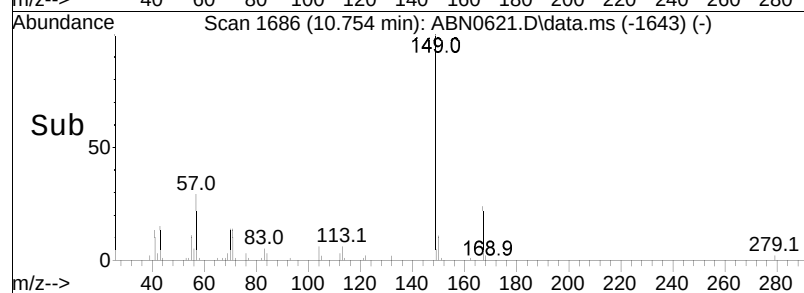
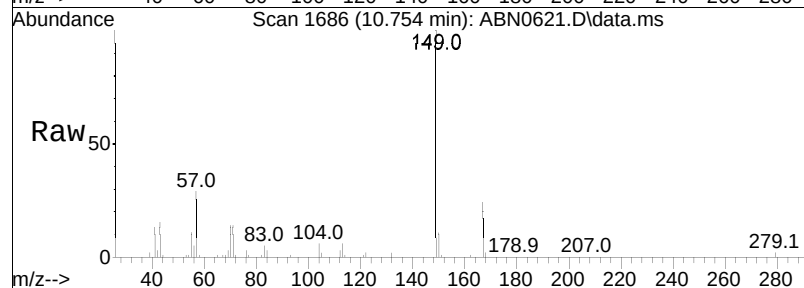
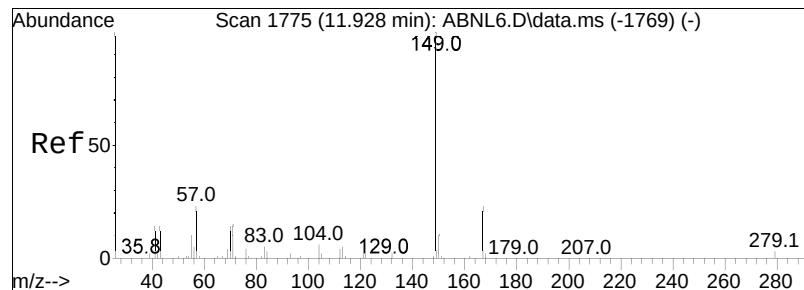
Ion Ratio Lower Upper

228 100

226 31.8 24.7 37.1

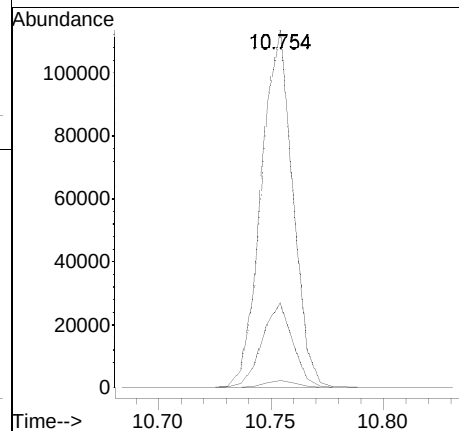
229 20.0 15.5 23.3

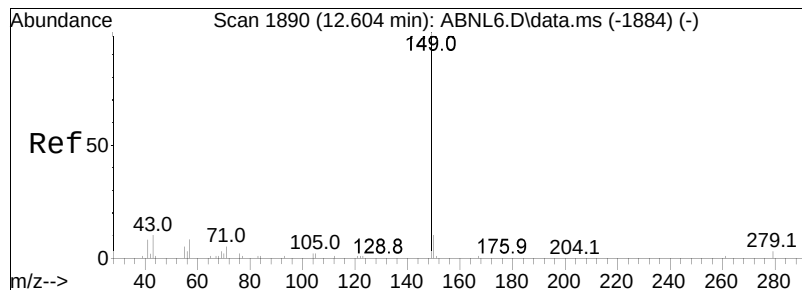




#108
 Bis(2-ethylhexyl)phthalate
 Concen: 6.10 ug/ml
 RT: 10.754 min Scan# 1686
 Delta R.T. 0.000 min
 Lab File: ABN0621.D
 Acq: 21 Jun 2025 11:28 am

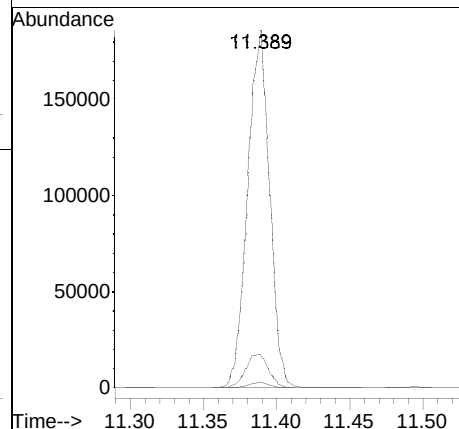
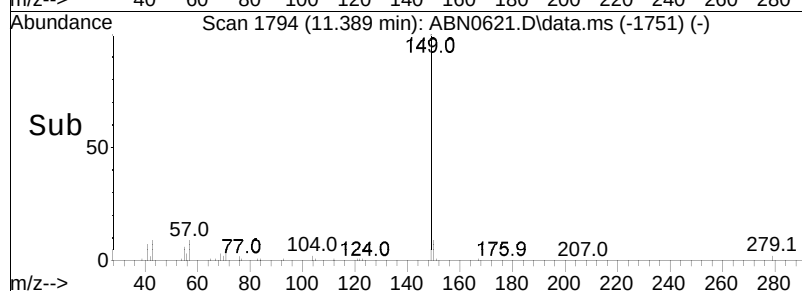
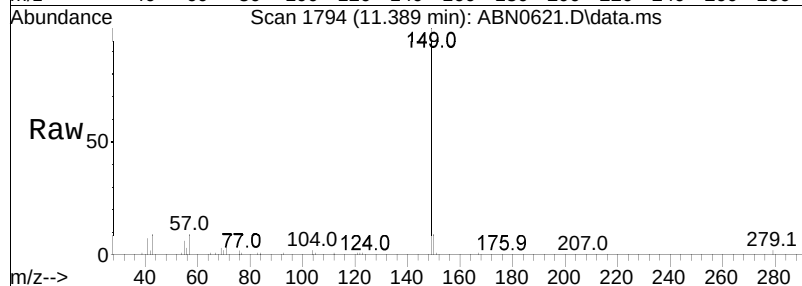
Tgt Ion	Ratio	Resp	Lower	Upper
149	100	109760		
167	23.0		18.4	27.6
279	1.8		1.7	2.5

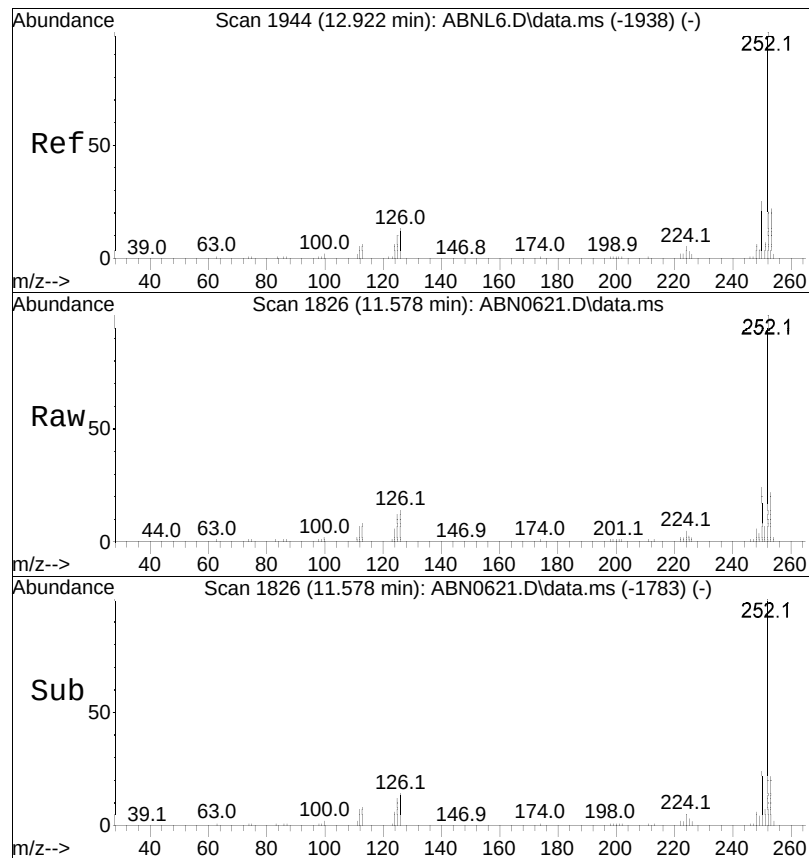




#109
 Di-n-octylphthalate
 Concen: 6.63 ug/ml
 RT: 11.389 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: ABN0621.D
 Acq: 21 Jun 2025 11:28 am

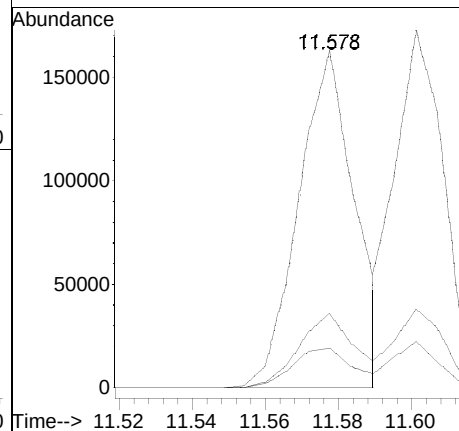
Tgt Ion	Ratio	Lower	Upper
149	100		
43	9.9	8.2	12.2
167	1.4	1.1	1.7

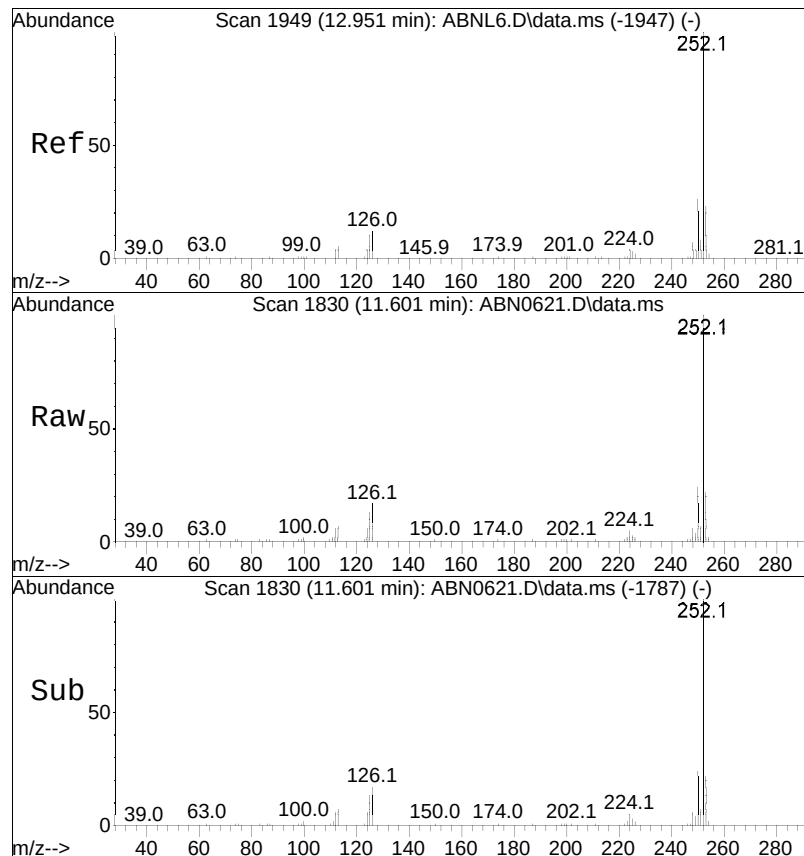




#110
 Benzo(b)fluoranthene
 Concen: 5.07 ug/ml
 RT: 11.578 min Scan# 1826
 Delta R.T. 0.000 min
 Lab File: ABN0621.D
 Acq: 21 Jun 2025 11:28 am

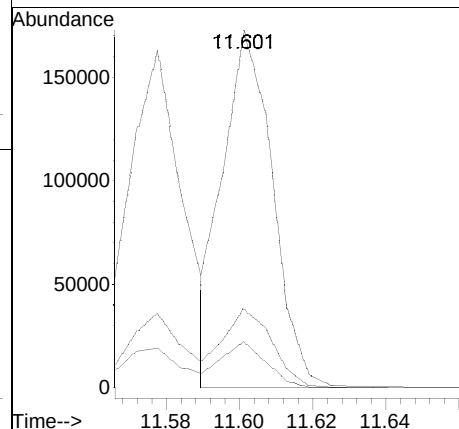
Tgt Ion:	252	Resp:	176213
Ion Ratio	Lower	Upper	
252	100		
125	12.9	11.3	16.9
253	22.2	17.8	26.8

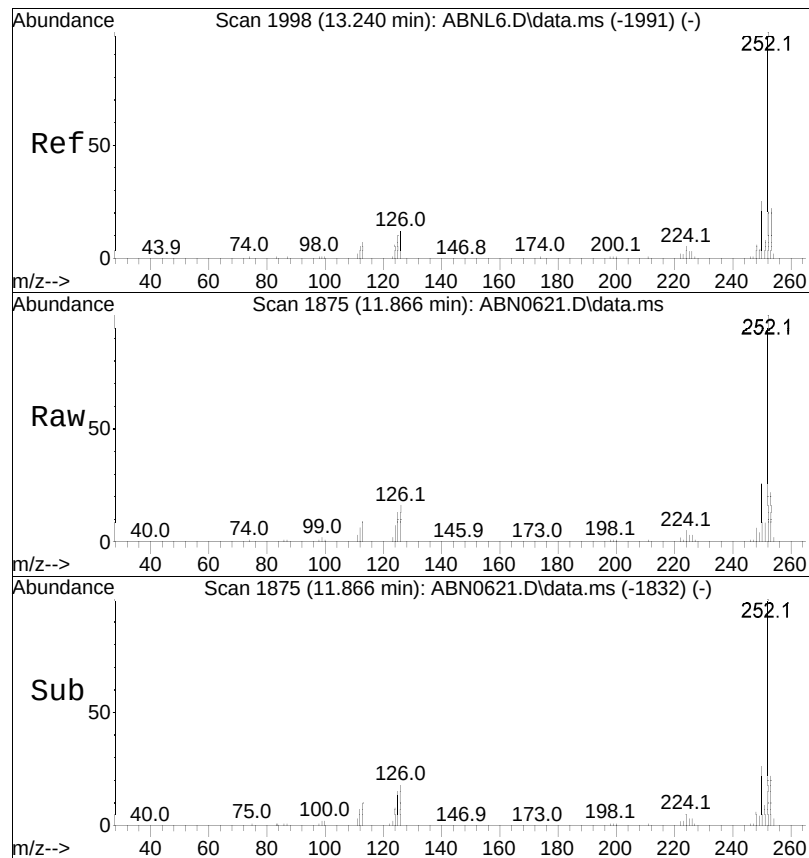




#111
 Benzo(k)fluoranthene
 Concen: 4.63 ug/ml M3
 RT: 11.601 min Scan# 1830
 Delta R.T. 0.000 min
 Lab File: ABN0621.D
 Acq: 21 Jun 2025 11:28 am

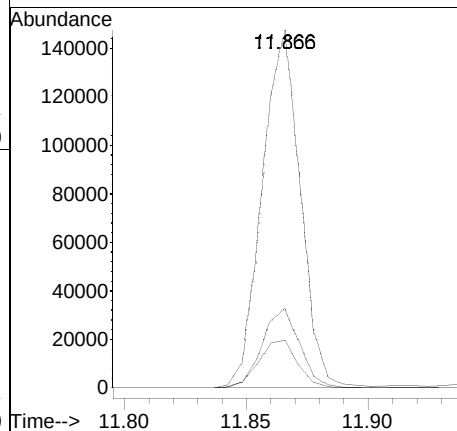
Tgt	Ion:252	Resp:	160882
Ion	Ratio	Lower	Upper
252	100		
125	14.2	11.5	17.3
253	24.3	17.6	26.4

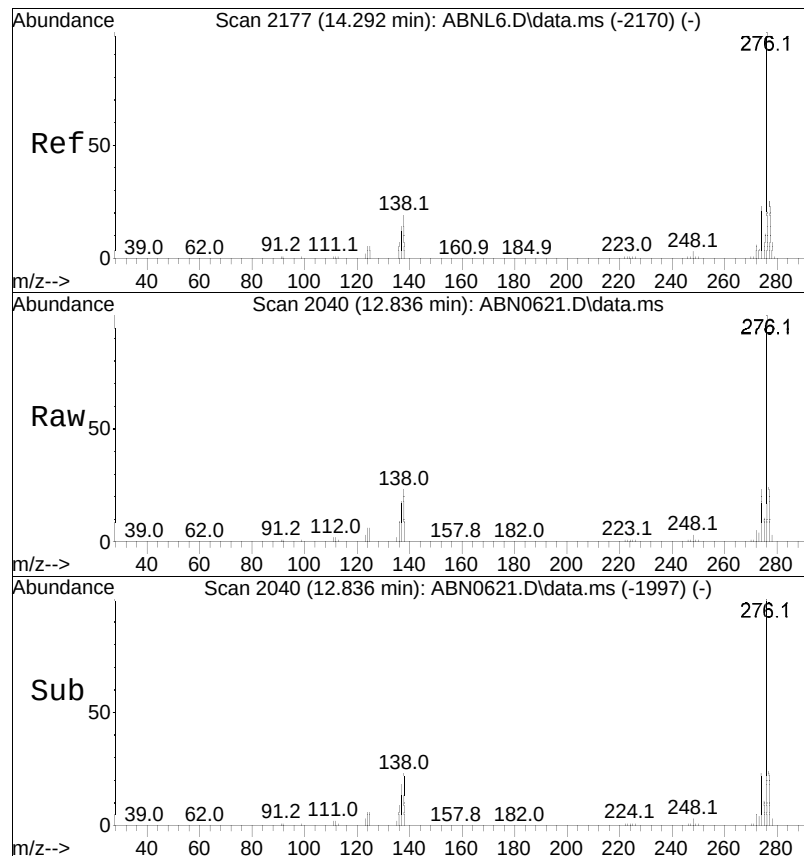




#112
 Benzo(a)pyrene
 Concen: 4.88 ug/ml
 RT: 11.866 min Scan# 1875
 Delta R.T. 0.000 min
 Lab File: ABN0621.D
 Acq: 21 Jun 2025 11:28 am

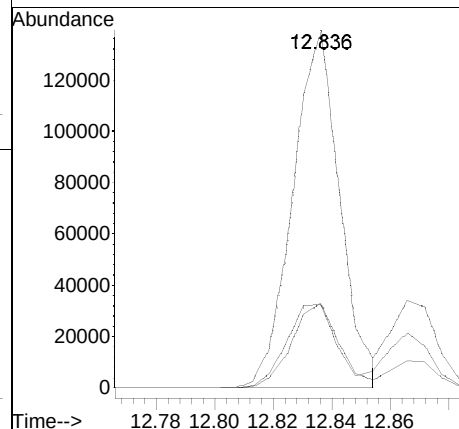
Tgt Ion:	252	Resp:	159293
Ion Ratio	Lower	Upper	
252	100		
125	13.7	12.6	18.8
253	22.0	17.5	26.3

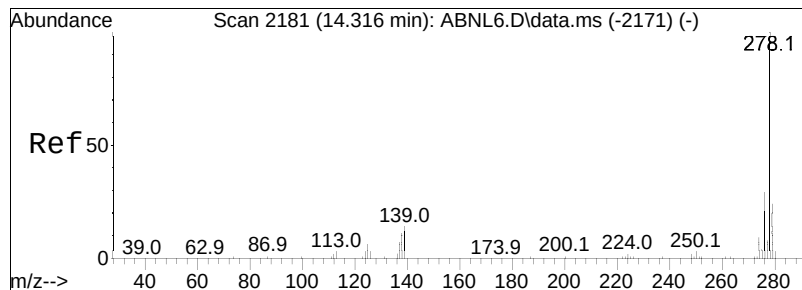




#114
 Indeno(1,2,3-cd)pyrene
 Concen: 4.44 ug/mL
 RT: 12.836 min Scan# 2040
 Delta R.T. 0.000 min
 Lab File: ABN0621.D
 Acq: 21 Jun 2025 11:28 am

Tgt Ion:	276	Resp:	155074
Ion Ratio	Lower	Upper	
276	100		
138	24.8	22.1	33.1
277	24.1	19.0	28.6





#115

Dibenzo(a,h)anthracene

Concen: 4.64 ug/ml

RT: 12.866 min Scan# 2045

Delta R.T. 0.000 min

Lab File: ABN0621.D

Acq: 21 Jun 2025 11:28 am

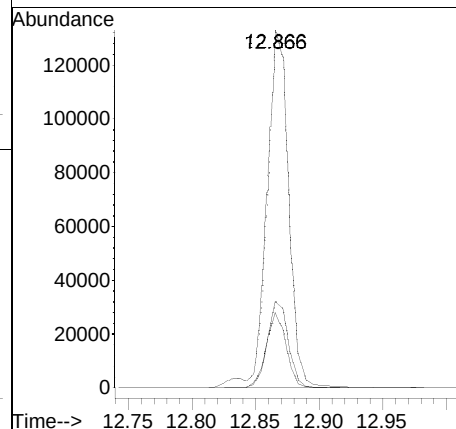
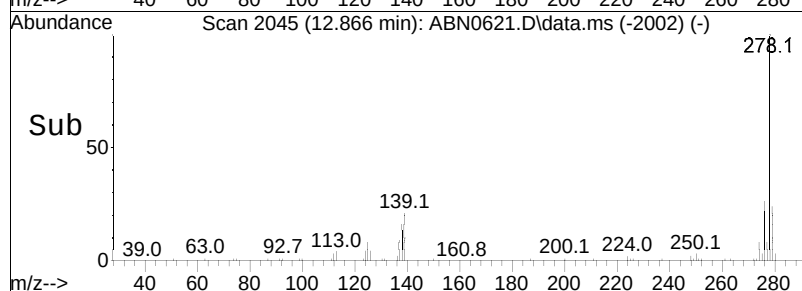
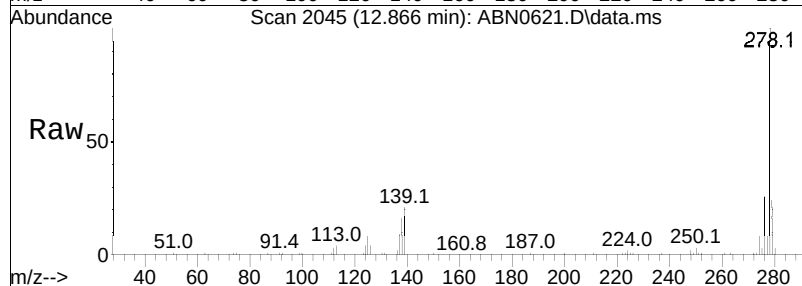
Tgt Ion: 278 Resp: 157175

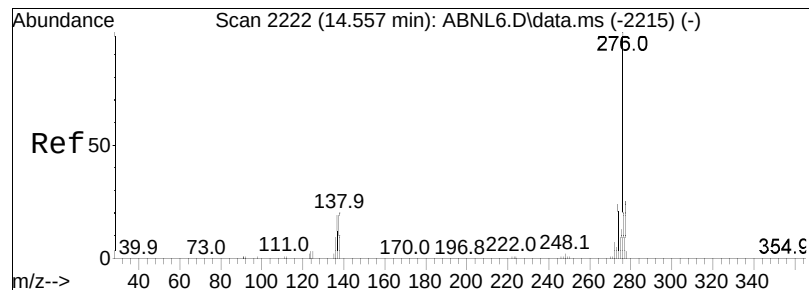
Ion Ratio Lower Upper

278 100

139 19.5 17.8 26.8

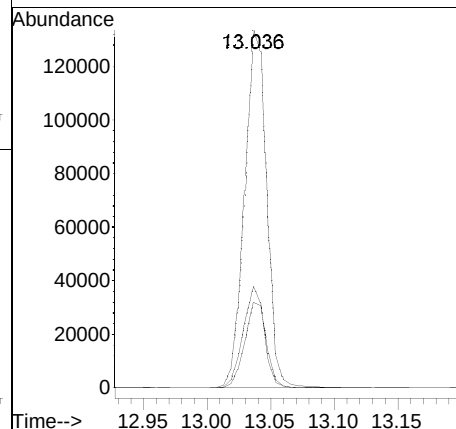
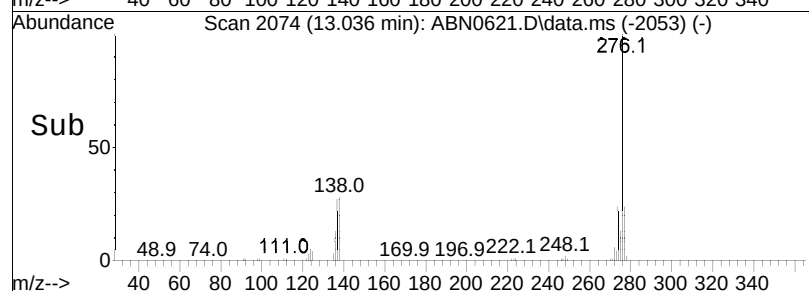
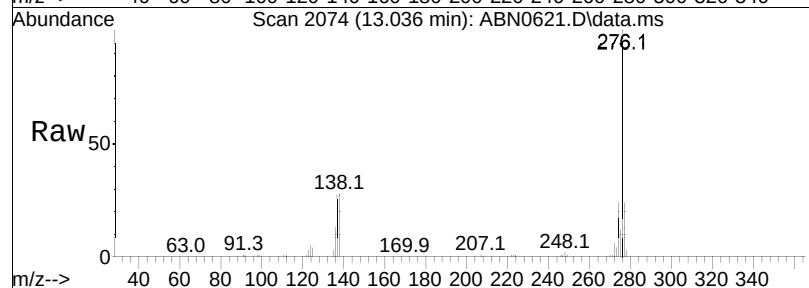
279 23.5 19.2 28.8





#116
 Benzo(ghi)perylene
 Concen: 4.57 ug/ml
 RT: 13.036 min Scan# 2074
 Delta R.T. 0.000 min
 Lab File: ABN0621.D
 Acq: 21 Jun 2025 11:28 am

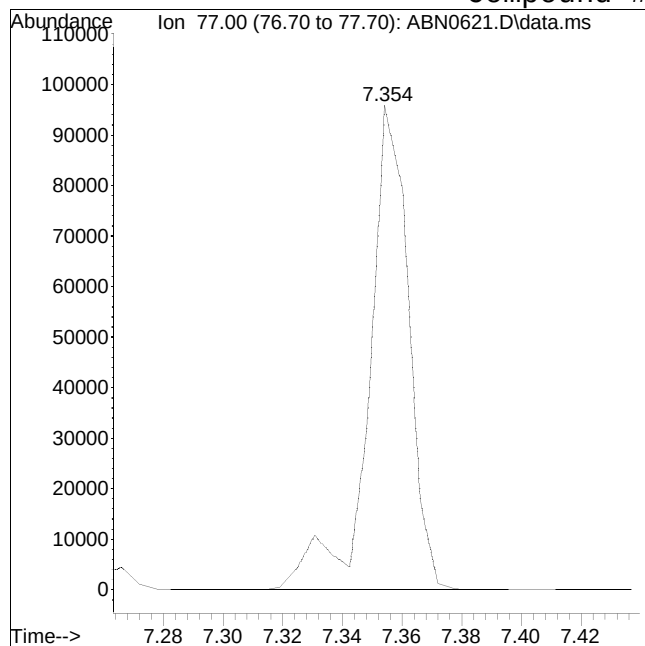
Tgt Ion	Ratio	Lower	Upper
276	100		
138	27.4	21.9	32.9
277	23.9	18.4	27.6



Manual Integration Report

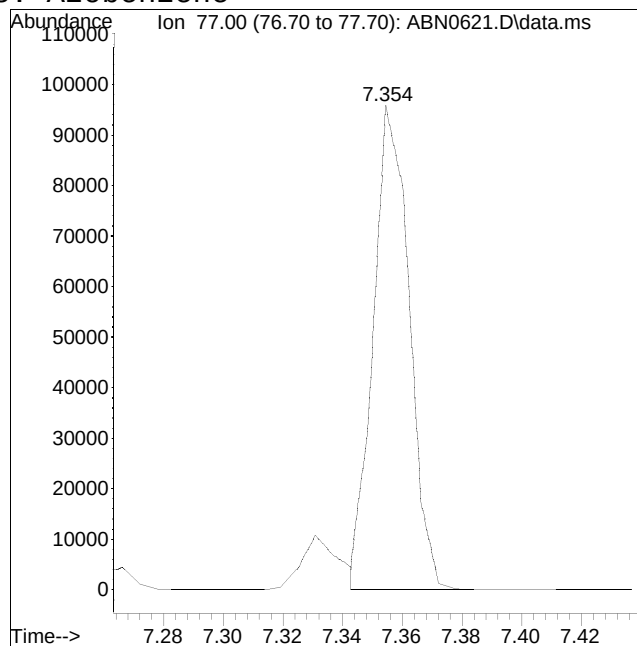
Data Path : I:\8270\SV112\250621RVTb\ QMethod : FS250313SV112RVT.m
Data File : ABN0621.D Operator : SV112:smz
Date Inj'd : 6/21/2025 11:28 am Instrument : SV112
Sample : wg2081810-3,32,,ABN 11297 Quant Date

Compound #78: Azobenzene



Original Peak Response = 89778

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

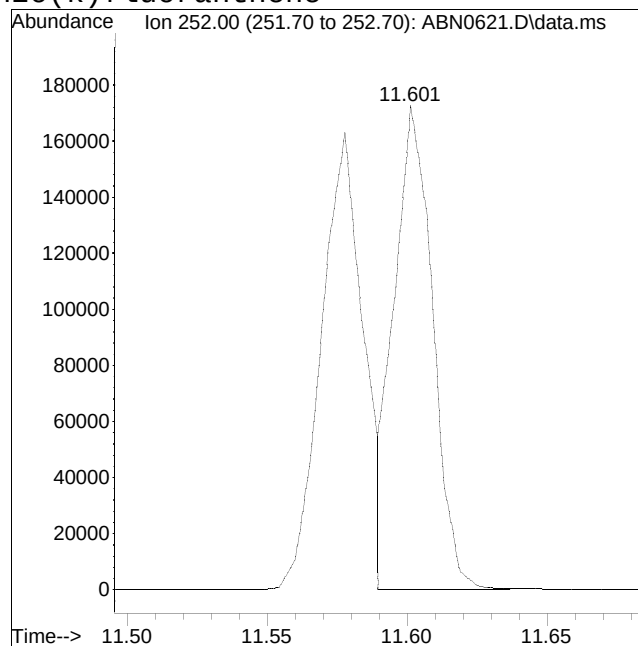
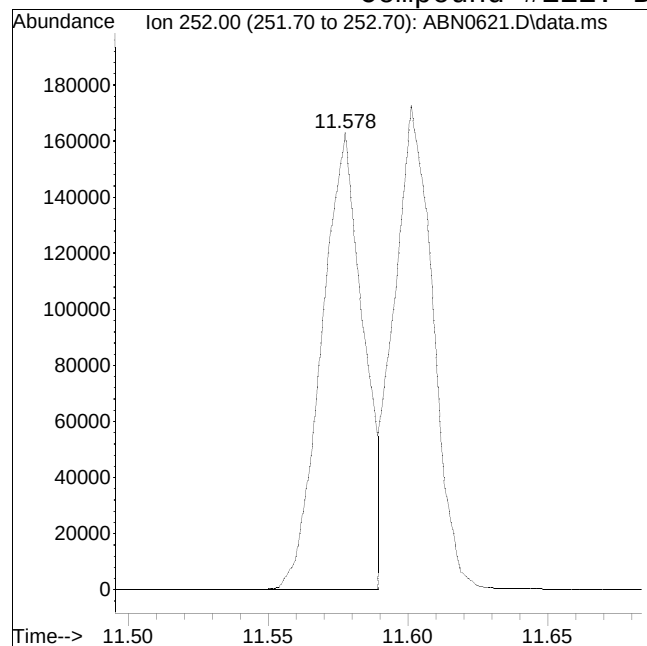


Manual Peak Response = 80094 M6

Manual Integration Report

Data Path : I:\8270\SV112\250621RVTb\ QMethod : FS250313SV112RVT.m
Data File : ABN0621.D Operator : SV112:smz
Date Inj'd : 6/21/2025 11:28 am Instrument : SV112
Sample : wg2081810-3,32,,ABN 11297 QMethod : 6/21/2025 12:13 pm

Compound #111: Benzo(k)fluoranthene



Original Peak Response = 176213

Manual Peak Response = 160882 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV112\250621RVTb\
 Data File : AP90621.D
 Acq On : 21 Jun 2025 11:50 am
 Operator : SV112:smz
 Sample : wg2081810-4,32,,AP9 11662 gmr0619A
 Misc : wg2081810,,ical22084
 ALS Vial : 143 Sample Multiplier: 1

Quant Time: Jun 22 06:40:13 2025
 Quant Method : I:\8270\SV112\250621RVTb\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Jun 21 12:15:48 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)

27 I	IS2_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	103	0.00
28 T	Benzaldehyde	0.954	0.987	-3.5	105	0.00
29 T	Acetophenone	1.731	1.776	-2.6	109	0.00
30 T	m-Toluidine	1.562	1.493	4.4	96	0.00
31 T	2-Chloroaniline	1.509	1.584	-5.0	108	0.00
55 I	IS2_Naphthalene-d8	1.000	1.000	0.0	107	0.00
56 T	a-Terpineol	0.253	0.314	-24.1#	136	0.00
57 T	3-Chloroaniline	0.130	0.143	-10.0	107	0.00
58 T	2,6-Dichlorophenol	0.285	0.295	-3.5	114	0.00
59 T	1-chloro-2-nitrobenzene	0.138	0.138	0.0	110	0.00
60 T	Caprolactam	* 5.000	5.884	-17.7	152	0.00
61 T	1,2,4,5-Tetrachlorobenzene	0.438	0.371	15.3	92	0.00
62 T	Biphenyl	0.890	0.845	5.1	104	0.00
83 I	IS2_Acenaphthene-d10	1.000	1.000	0.0	104	0.00
84 T	Dichloran	0.183	0.185	-1.1	114	0.00
85 T	Pentachloronitrobenzene	0.195	0.199	-2.1	105	0.00
98 I	IS2_Phenanthrene-d10	1.000	1.000	0.0	99	0.00
99 T	Diphenamid	0.446	0.475	-6.5	108	0.00

* Evaluation of CC level amount vs concentration.
 (#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250621RVTb\
 Data File : AP90621.D
 Acq On : 21 Jun 2025 11:50 am
 Operator : SV112:smz
 Sample : wg2081810-4,32,,AP9 11662 gmr0619A
 Misc : wg2081810,,ical22084
 ALS Vial : 143 Sample Multiplier: 1

Quant Time: Jun 22 06:40:13 2025
 Quant Method : I:\8270\SV112\250621RVTb\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Jun 21 12:15:48 2025
 Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
27) IS2_1,4-Dichlorobenzen...	3.713	152	22756	4.000	ug/ml	0.00
55) IS2_Naphthalene-d8	4.972	136	88541	4.000	ug/ml	0.00
83) IS2_Acenaphthene-d10	6.648	164	53432	4.000	ug/ml	0.00
98) IS2_Phenanthrene-d10	8.043	188	115124	4.000	ug/ml	0.00

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
28) Benzaldehyde	3.255	105	28065	5.174	ug/ml	99
29) Acetophenone	4.149	105	50521	5.130	ug/ml	95
30) m-Toluidine	4.237	106	42479	4.779	ug/ml	97
31) 2-Chloroaniline	4.596	127	45052	5.247	ug/ml	99
56) a-Terpineol	5.054	59	34783	6.215	ug/ml	89
57) 3-Chloroaniline	5.072	65	15853	5.490	ug/ml	98
58) 2,6-Dichlorophenol	5.090	162	32699	5.185	ug/ml	92
59) 1-chloro-2-nitrobenzene	5.343	111	15295	5.023	ug/ml	93
60) Caprolactam	5.384	55	20537	5.884	ug/ml	89
61) 1,2,4,5-Tetrachloroben...	5.843	216	41052	4.232	ug/ml	97
62) Biphenyl	6.137	154	93533	4.748	ug/ml	99
84) Dichloran	7.772	206	12373	5.049	ug/ml#	73
85) Pentachloronitrobenzene	7.913	237	13323	5.124	ug/ml#	85
99) Diphenamid	8.978	167	68389	5.332	ug/ml	91

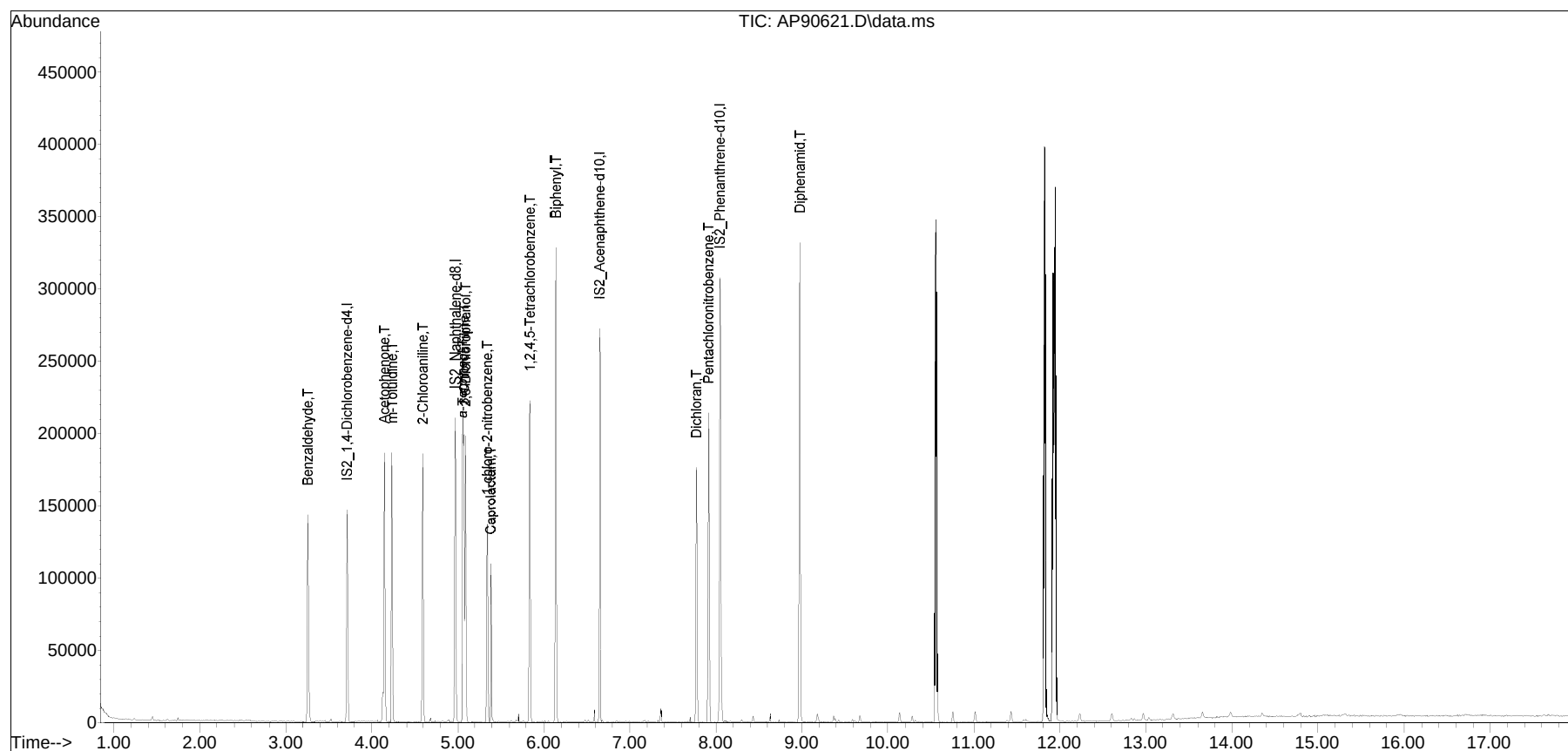
(#) = qualifier out of range (m) = manual integration (+) = signals summed

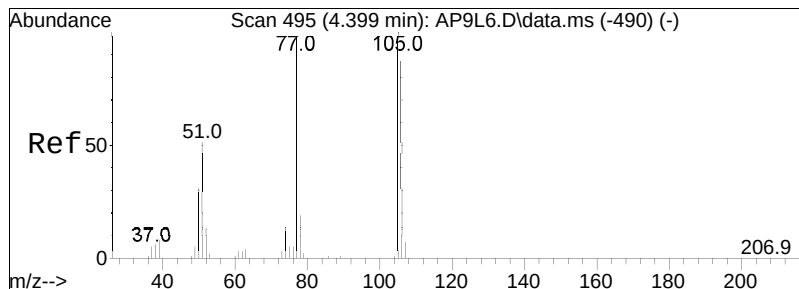
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250621RVTb\
 Data File : AP90621.D
 Acq On : 21 Jun 2025 11:50 am
 Operator : SV112:smz
 Sample : wg2081810-4,32,,AP9 11662 gmr0619A
 Misc : wg2081810,,ical22084
 ALS Vial : 143 Sample Multiplier: 1

Quant Time: Jun 22 06:40:13 2025
 Quant Method : I:\8270\SV112\250621RVTb\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Jun 21 12:15:48 2025
 Response via : Initial Calibration

Sub List : AP9ical - AP9 ical sublist





#28

Benzaldehyde

Concen: 5.17 ug/ml

RT: 3.255 min Scan# 411

Delta R.T. 0.000 min

Lab File: AP90621.D

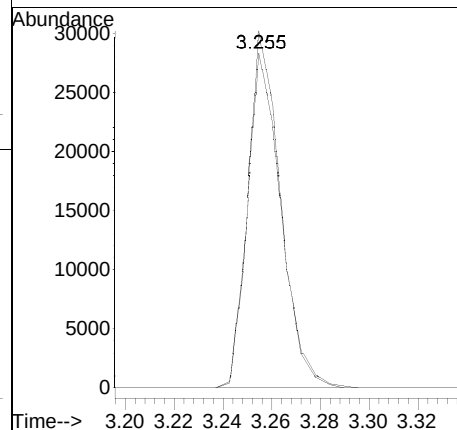
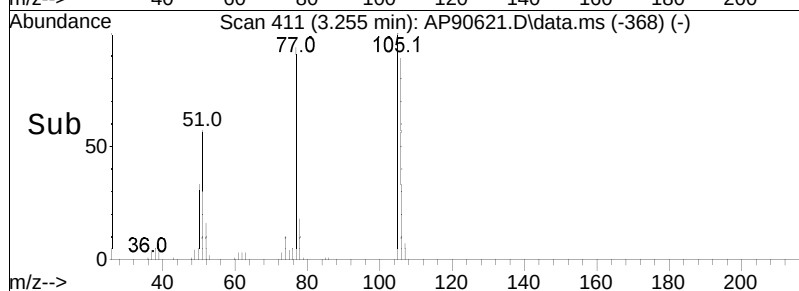
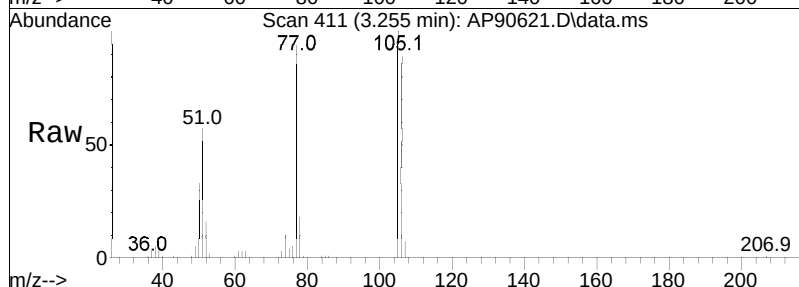
Acq: 21 Jun 2025 11:50 am

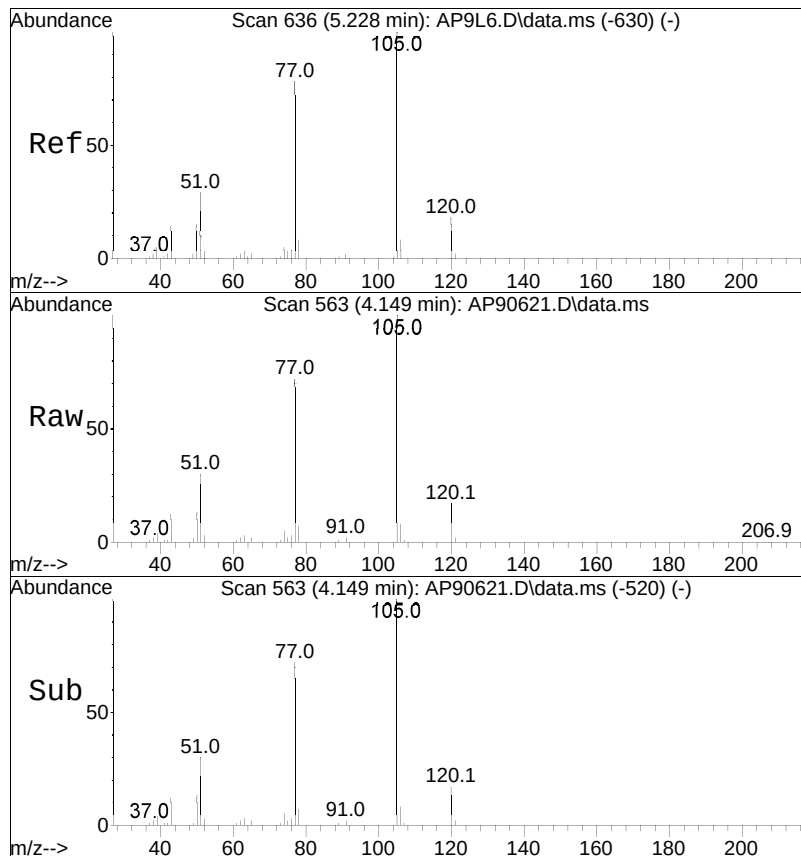
Tgt Ion:105 Resp: 28065

Ion Ratio Lower Upper

105 100

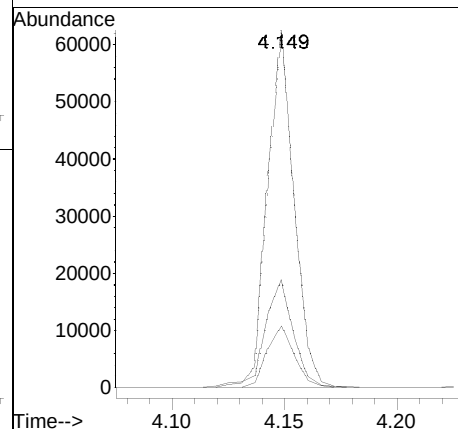
77 95.6 77.0 115.6

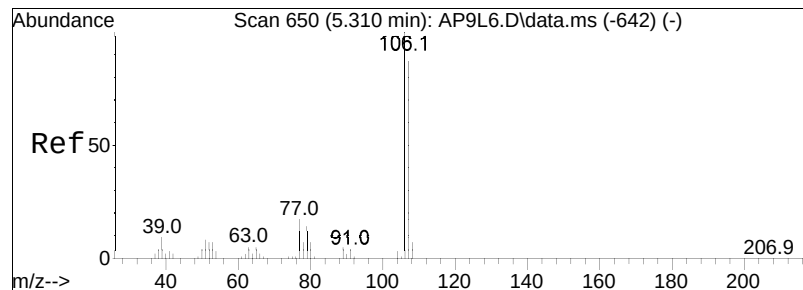




#29
 Acetophenone
 Concen: 5.13 ug/ml
 RT: 4.149 min Scan# 563
 Delta R.T. 0.000 min
 Lab File: AP90621.D
 Acq: 21 Jun 2025 11:50 am

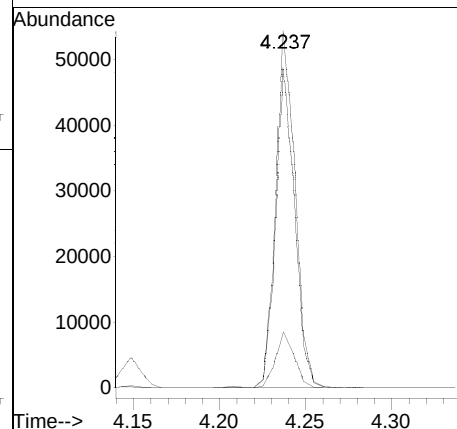
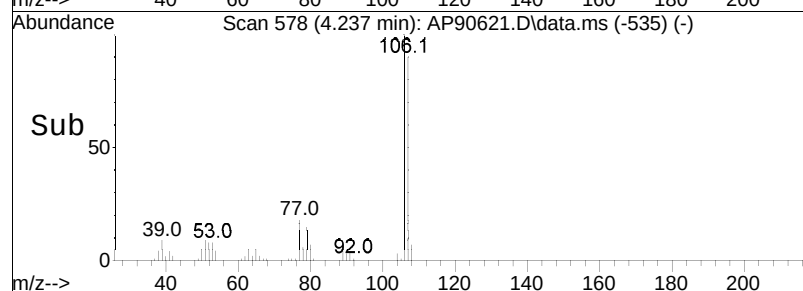
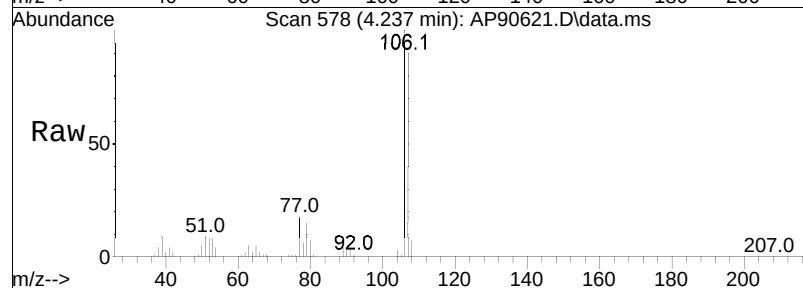
Tgt	Ion:105	Resp:	50521
Ion	Ratio	Lower	Upper
105	100		
120	17.9	15.2	22.8
51	32.5	23.1	34.7

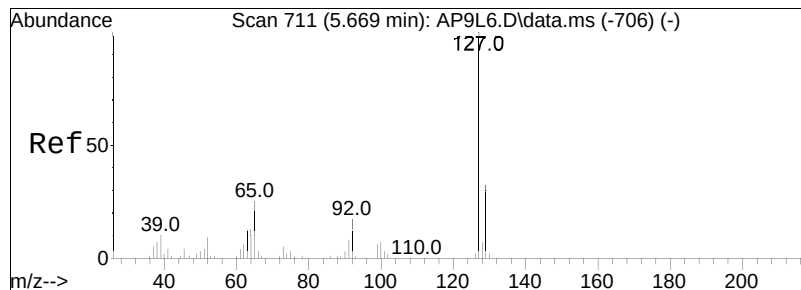




#30
 m-Toluidine
 Concen: 4.78 ug/ml
 RT: 4.237 min Scan# 578
 Delta R.T. 0.000 min
 Lab File: AP90621.D
 Acq: 21 Jun 2025 11:50 am

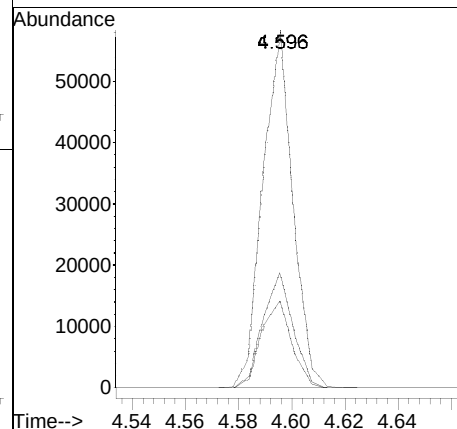
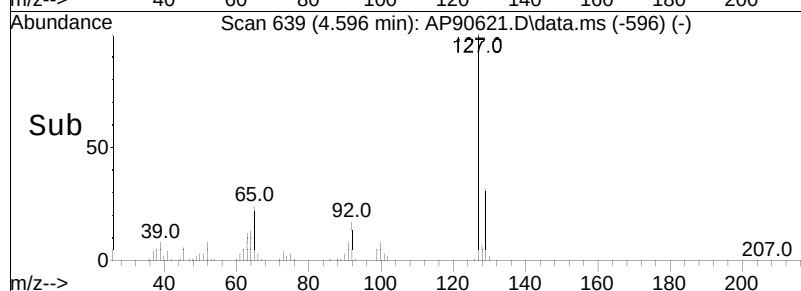
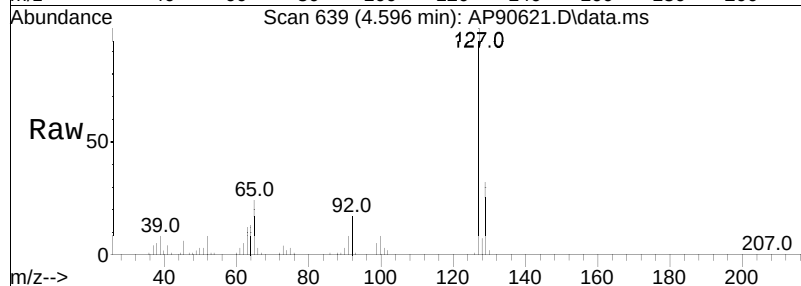
Tgt Ion	Ratio	Lower	Upper
106	100		
107	87.4	72.3	108.5
79	15.3	12.2	18.2

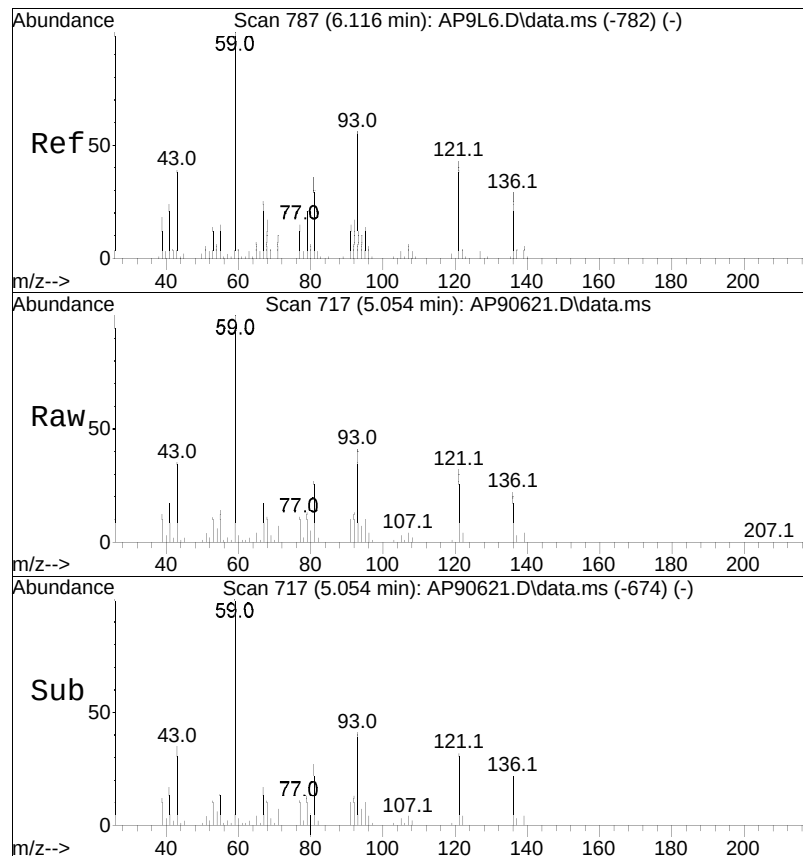




#31
 2-Chloroaniline
 Concen: 5.25 ug/ml
 RT: 4.596 min Scan# 639
 Delta R.T. 0.000 min
 Lab File: AP90621.D
 Acq: 21 Jun 2025 11:50 am

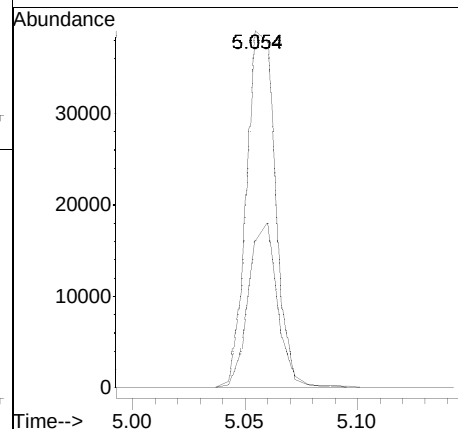
Tgt Ion	Ratio	Lower	Upper
127	100		
129	32.6	25.7	38.5
65	24.9	20.5	30.7

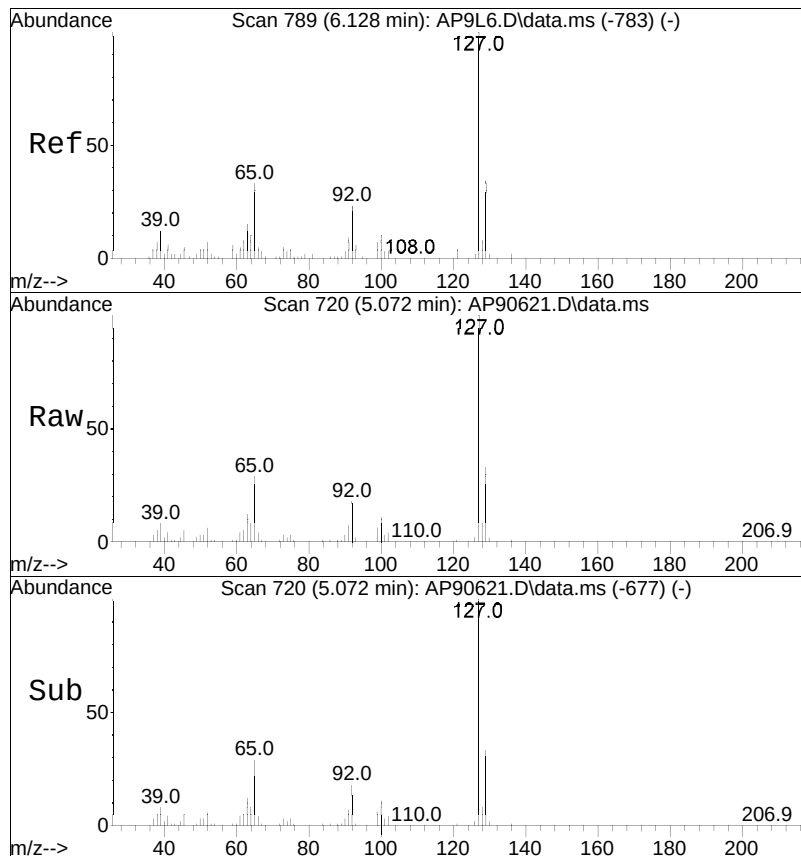




#56
 a-Terpineol
 Concen: 6.21 ug/ml
 RT: 5.054 min Scan# 717
 Delta R.T. 0.000 min
 Lab File: AP90621.D
 Acq: 21 Jun 2025 11:50 am

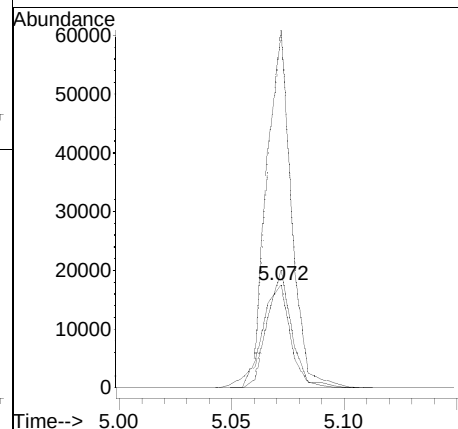
Tgt Ion	Ratio	Lower	Upper
59	100		
93	46.5	43.5	65.3

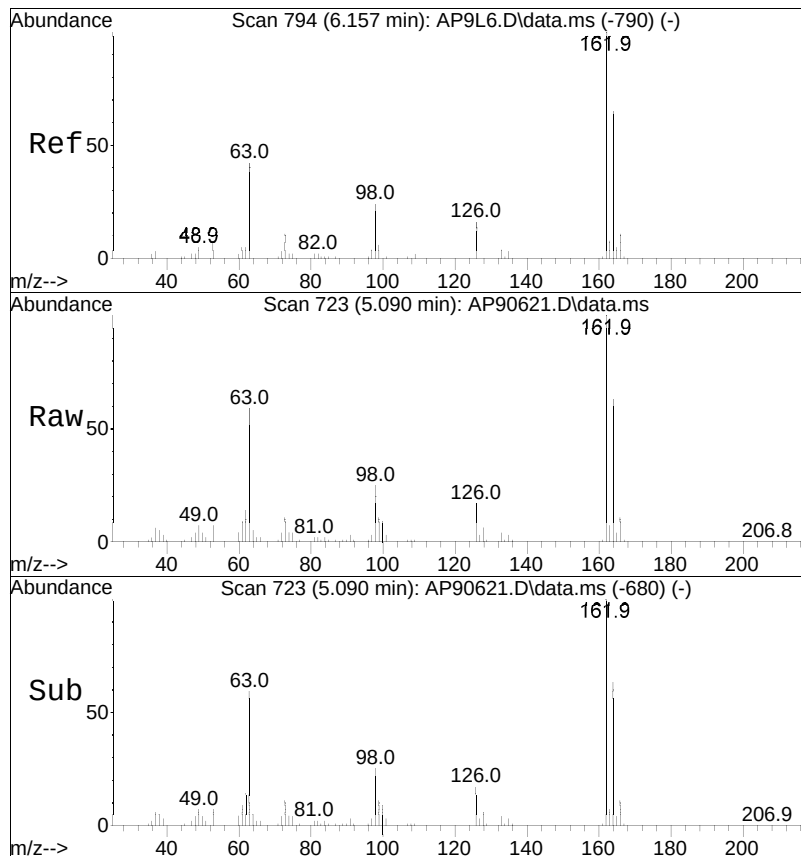




#57
 3-Chloroaniline
 Concen: 5.49 ug/ml
 RT: 5.072 min Scan# 720
 Delta R.T. 0.000 min
 Lab File: AP90621.D
 Acq: 21 Jun 2025 11:50 am

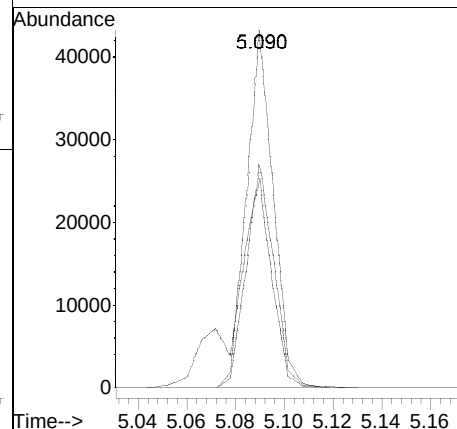
Tgt Ion:	65	Resp:	15853
Ion Ratio	Lower	Upper	
65	100		
127	291.0	236.6	355.0
129	94.3	76.6	115.0

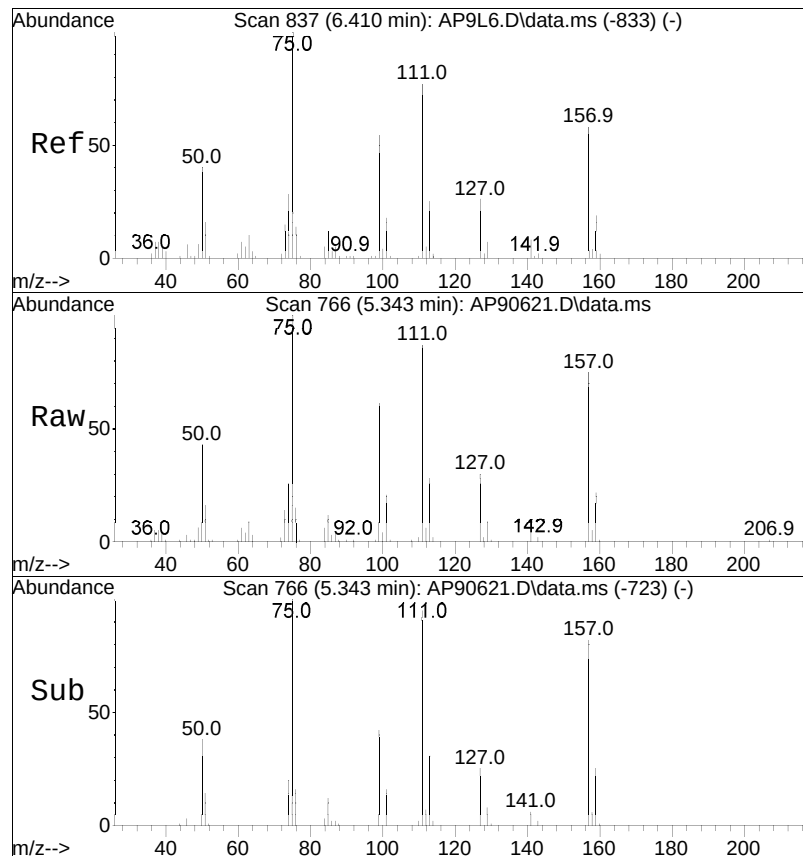




#58
 2,6-Dichlorophenol
 Concen: 5.19 ug/ml
 RT: 5.090 min Scan# 723
 Delta R.T. 0.000 min
 Lab File: AP90621.D
 Acq: 21 Jun 2025 11:50 am

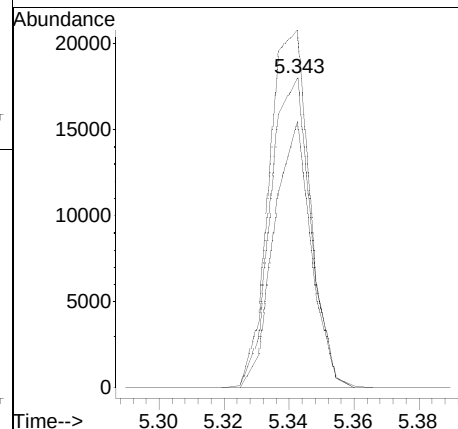
Tgt Ion	Ratio	Resp	Lower	Upper
162	100	32699		
164	64.2		50.8	76.2
63	79.5		53.6	80.4

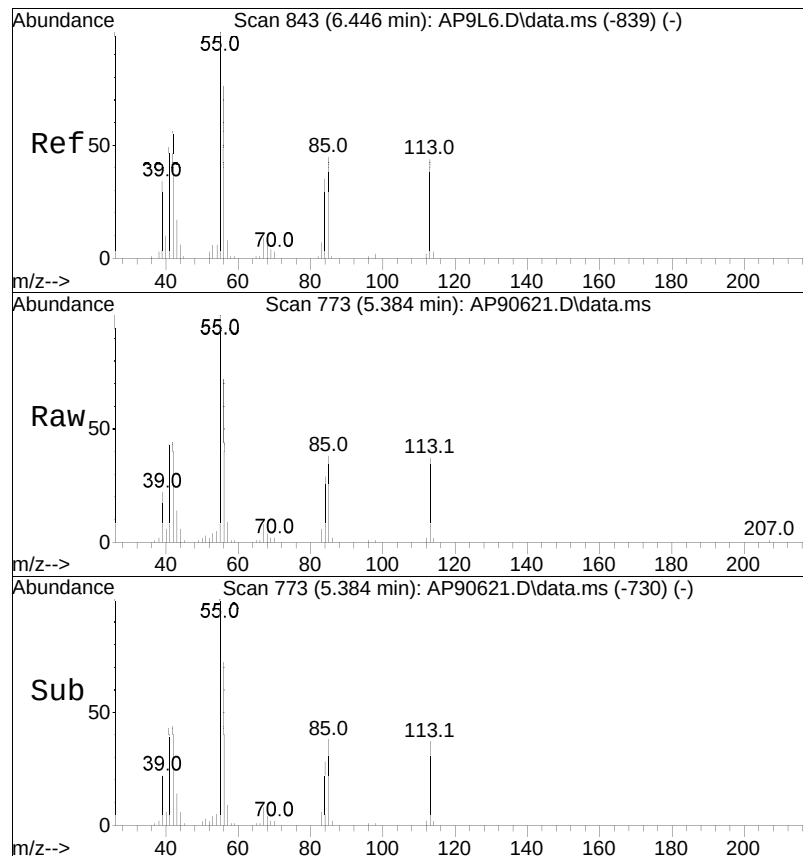




#59
 1-chloro-2-nitrobenzene
 Concen: 5.02 ug/ml
 RT: 5.343 min Scan# 766
 Delta R.T. 0.000 min
 Lab File: AP90621.D
 Acq: 21 Jun 2025 11:50 am

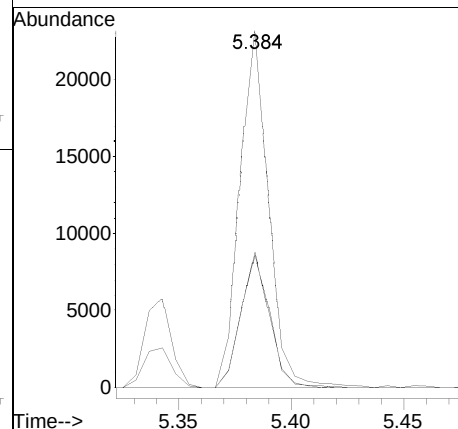
Tgt Ion:	111	Resp:	15295
Ion Ratio	Lower	Upper	
111	100		
157	79.6	56.2	84.2
75	117.5	97.8	146.6

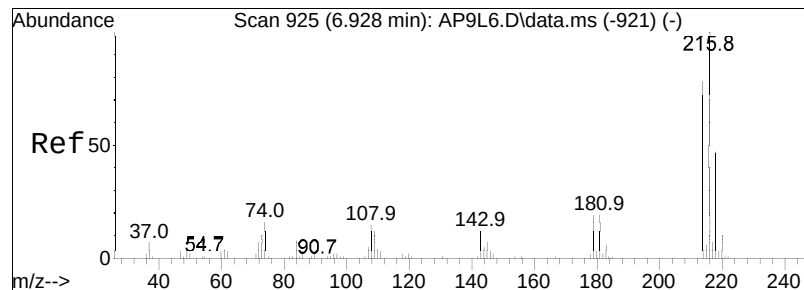




#60
 Caprolactam
 Concen: 5.88 ug/ml
 RT: 5.384 min Scan# 773
 Delta R.T. 0.000 min
 Lab File: AP90621.D
 Acq: 21 Jun 2025 11:50 am

Tgt Ion:	55	Resp:	20537
Ion Ratio	Lower	Upper	
55	100		
85	37.5	35.2	52.8
113	37.8	36.6	55.0





#61

1,2,4,5-Tetrachlorobenzene

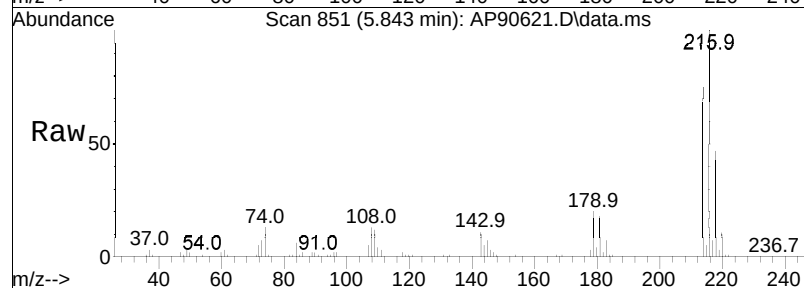
Concen: 4.23 ug/ml

RT: 5.843 min Scan# 851

Delta R.T. 0.000 min

Lab File: AP90621.D

Acq: 21 Jun 2025 11:50 am



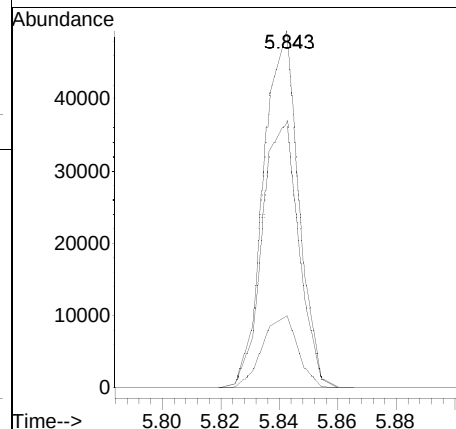
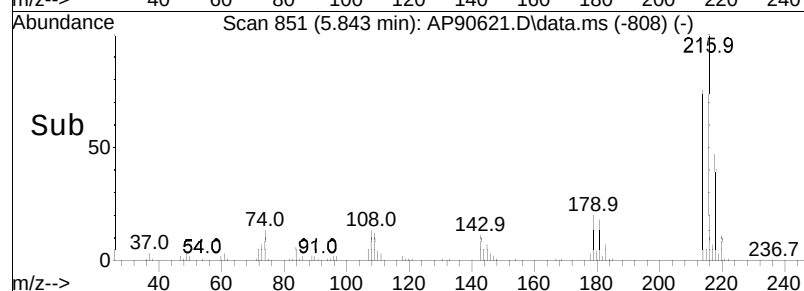
Tgt Ion: 216 Resp: 41052

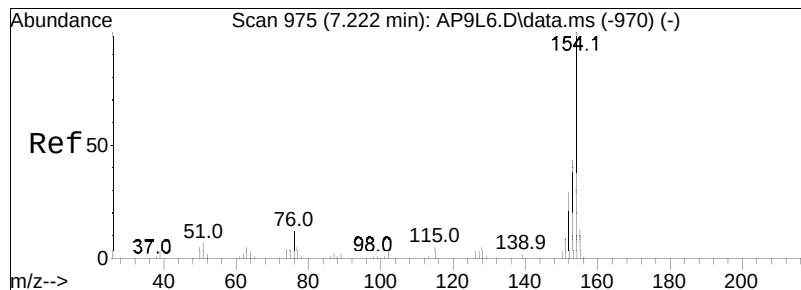
Ion Ratio Lower Upper

216 100

214 77.9 64.0 96.0

179 20.6 18.7 28.1





#62

Biphenyl

Concen: 4.75 ug/ml

RT: 6.137 min Scan# 901

Delta R.T. 0.000 min

Lab File: AP90621.D

Acq: 21 Jun 2025 11:50 am

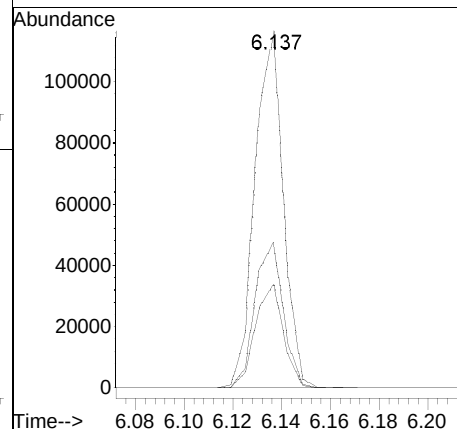
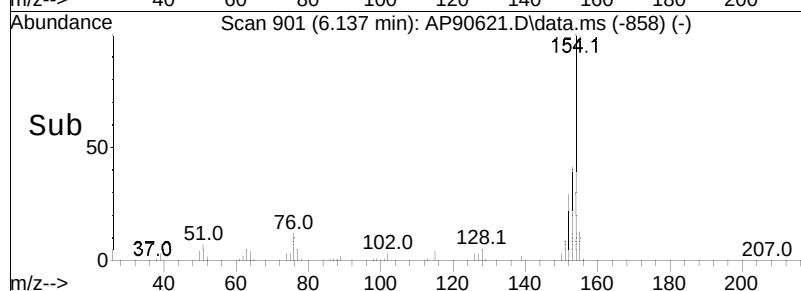
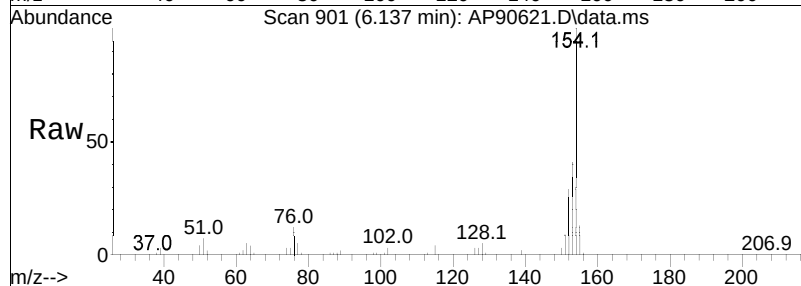
Tgt Ion:154 Resp: 93533

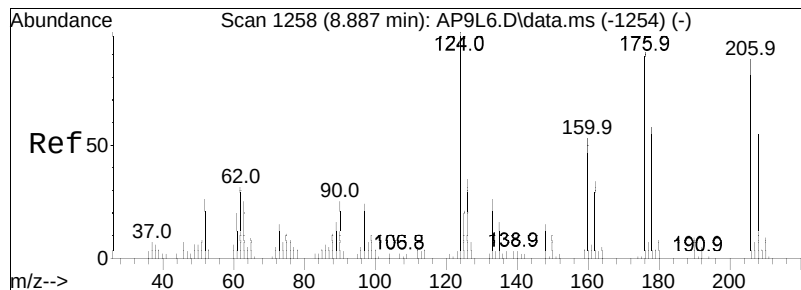
Ion Ratio Lower Upper

154 100

153 40.9 32.5 48.7

152 29.0 22.6 34.0





#84

Dichloran

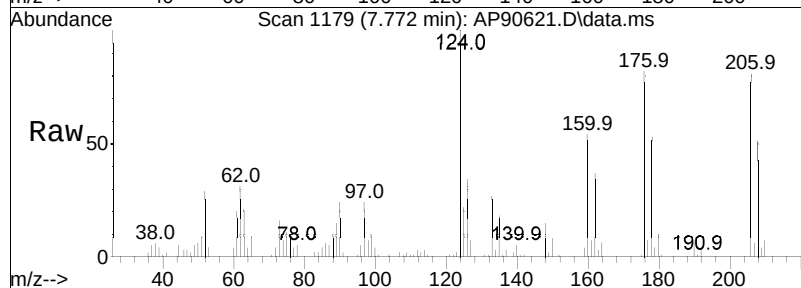
Concen: 5.05 ug/ml

RT: 7.772 min Scan# 1179

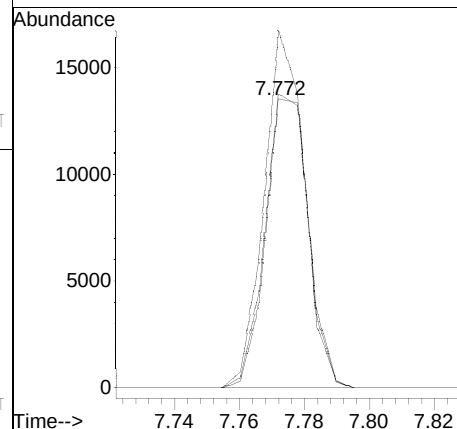
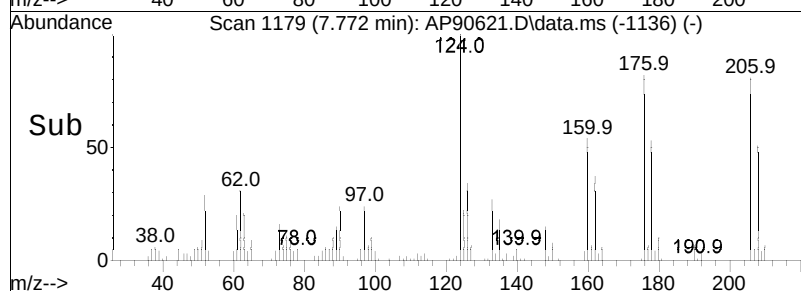
Delta R.T. 0.000 min

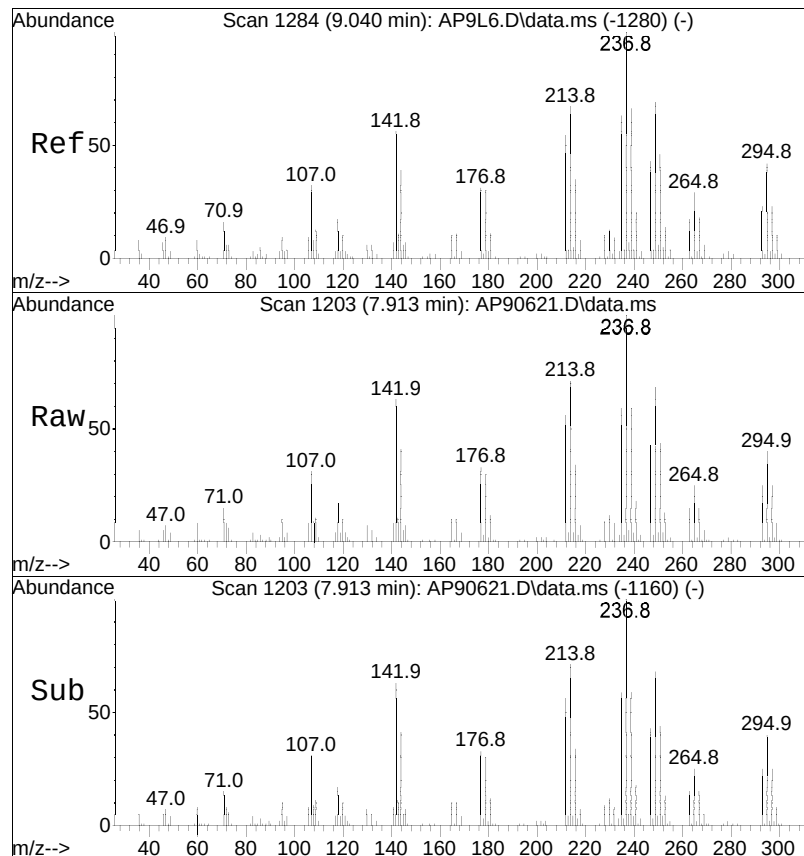
Lab File: AP90621.D

Acq: 21 Jun 2025 11:50 am



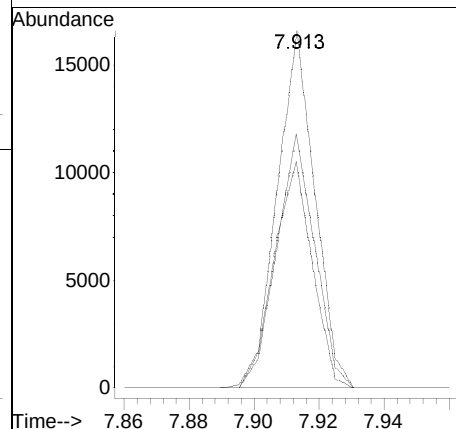
Tgt Ion:	206	Resp:	12373
Ion Ratio	Lower	Upper	
206	100		
176	101.3	98.8	148.2
124	115.4	125.8	188.6#

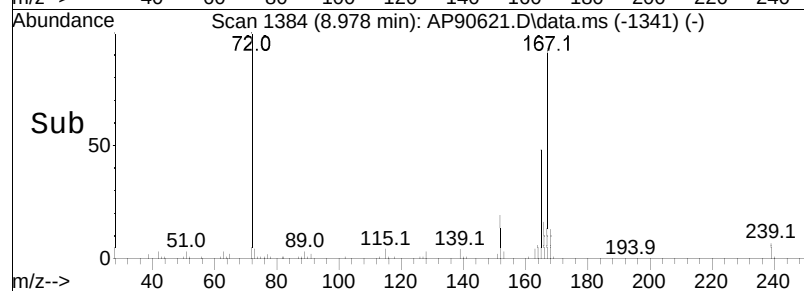
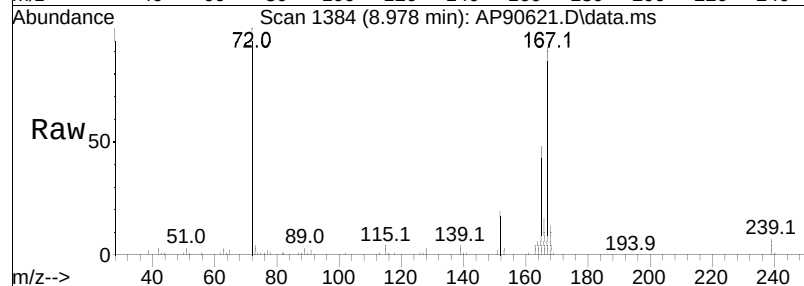
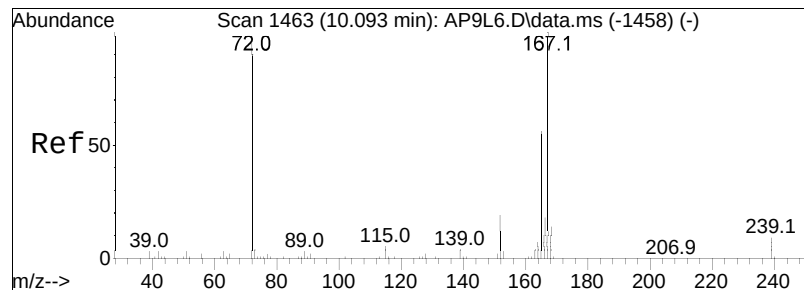




#85
 Pentachloronitrobenzene
 Concen: 5.12 ug/ml
 RT: 7.913 min Scan# 1203
 Delta R.T. 0.000 min
 Lab File: AP90621.D
 Acq: 21 Jun 2025 11:50 am

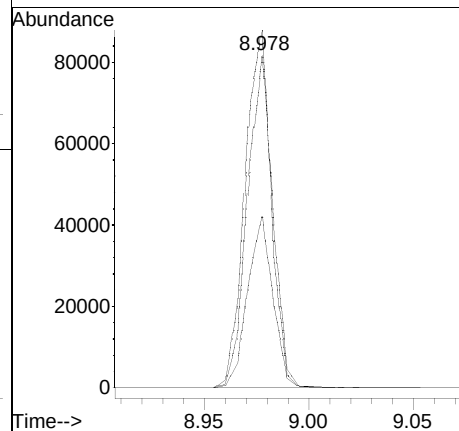
Tgt Ion:	237	Resp:	13323
Ion Ratio	Lower	Upper	
237	100		
142	64.3	70.3	105.5#
214	71.8	59.4	89.2





#99
 Diphenamid
 Concen: 5.33 ug/ml
 RT: 8.978 min Scan# 1384
 Delta R.T. 0.000 min
 Lab File: AP90621.D
 Acq: 21 Jun 2025 11:50 am

Tgt Ion	Ratio	Lower	Upper
167	100		
72	110.3	98.9	148.3
165	51.7	40.4	60.6



Manual Integration Report

Data Path	: I:\8270\SV112\250621RVTb\	QMethod	: FS250313SV112RVT.m
Data File	: AP90621.D	Operator	: SV112:smz
Date Inj'd	: 6/21/2025 11:50 am	Instrument	: SV112
Sample	: wg2081810-4,32,,AP9 11662	QMethod	: FS250313SV112RVT.m
		Date	: 6/21/2025 12:15 pm

There are no manual integrations or false positives in this file.

Evaluate Continuing Calibration Report

Data Path : I:\8270\SV112\250621RVTb\
 Data File : ADP0621.D
 Acq On : 21 Jun 2025 12:13 pm
 Operator : SV112:smz
 Sample : wg2081810-5,32,,ADP 11661 dv0617A
 Misc : wg2081810,,ical22084
 ALS Vial : 144 Sample Multiplier: 1

Quant Time: Jun 21 13:14:27 2025
 Quant Method : I:\8270\SV112\250621RVTb\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Jun 21 13:15:11 2025
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
32 I	IS3_1,4-Dichlorobenzene-d4	1.000	1.000	0.0	84	0.00
33 T	1,4-Dioxane	0.481	0.468	2.7	90	0.00
34 T	n-Decane	1.328	1.629	-22.7#	111	0.00
86 I	IS3_Acenaphthene-d10	1.000	1.000	0.0	86	0.00
87 T	Atrazine	0.470	0.414	11.9	83	0.00
100 I	IS3_Phenanthrene-d10	1.000	1.000	0.0	80	0.00
101 T	n-Octadecane	0.389	0.560	-44.0#	126	0.00
102 T	Parathion	* 5.000	6.508	-30.2#	108	0.00
103 T	3,3'-Dimethylbenzidine	* 5.000	3.719	25.6#	65	0.00

* Evaluation of CC level amount vs concentration.
 (#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250621RVTb\
 Data File : ADP0621.D
 Acq On : 21 Jun 2025 12:13 pm
 Operator : SV112:smz
 Sample : wg2081810-5,32,,ADP 11661 dv0617A
 Misc : wg2081810,,ical22084
 ALS Vial : 144 Sample Multiplier: 1

Quant Time: Jun 21 13:14:27 2025
 Quant Method : I:\8270\SV112\250621RVTb\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Jun 21 13:15:11 2025
 Response via : Initial Calibration

Sub List : ADPical_REV2 - ADP sublist

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
32) IS3_1,4-Dichlorobenzen...	3.714	152	18865	4.000	ug/ml	0.00
86) IS3_Acenaphthene-d10	6.649	164	42482	4.000	ug/ml	0.00
100) IS3_Phenanthrene-d10	8.043	188	89880	4.000	ug/ml	0.00

System Monitoring Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
33) 1,4-Dioxane	0.943	88	11025	4.856	ug/ml#	68
34) n-Decane	3.637	57	38422	6.133	ug/ml	99
87) Atrazine	7.884	200	21994	4.409	ug/ml	98
101) n-Octadecane	8.107	57	62918	7.207	ug/ml	94
102) Parathion	8.866	109	13074	6.508	ug/ml	94
103) 3,3'-Dimethylbenzidine	10.078	212	60727	3.719	ug/ml	99

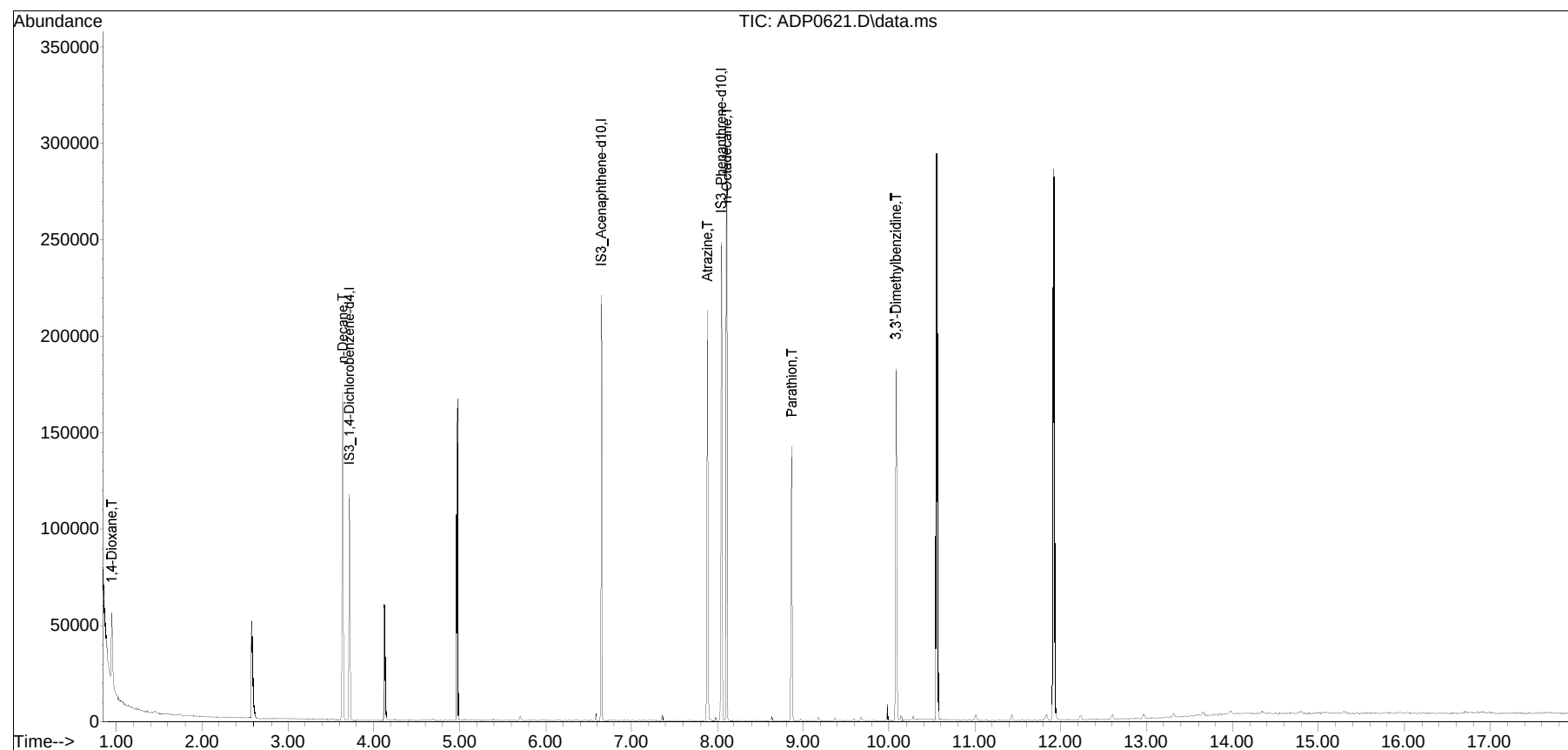
(#) = qualifier out of range (m) = manual integration (+) = signals summed

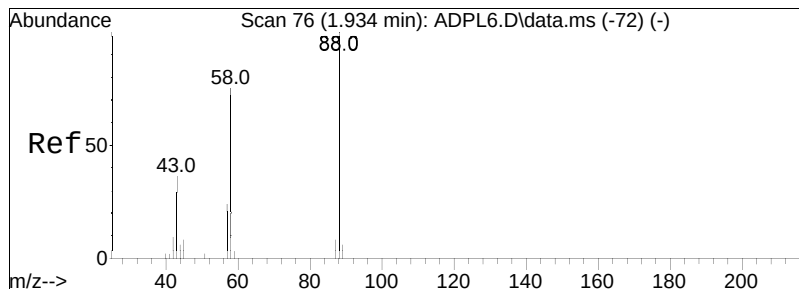
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250621RVTb\
 Data File : ADP0621.D
 Acq On : 21 Jun 2025 12:13 pm
 Operator : SV112:smz
 Sample : wg2081810-5,32,,ADP 11661 dv0617A
 Misc : wg2081810,,ical22084
 ALS Vial : 144 Sample Multiplier: 1

Quant Time: Jun 21 13:14:27 2025
 Quant Method : I:\8270\SV112\250621RVTb\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Jun 21 13:15:11 2025
 Response via : Initial Calibration

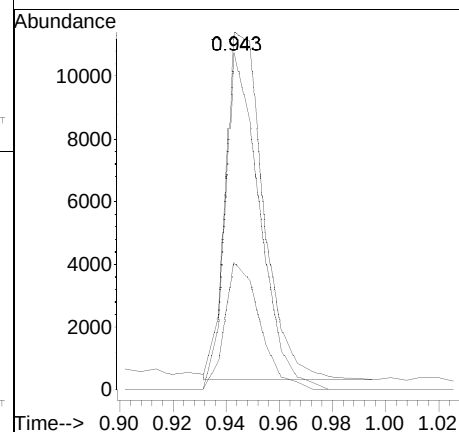
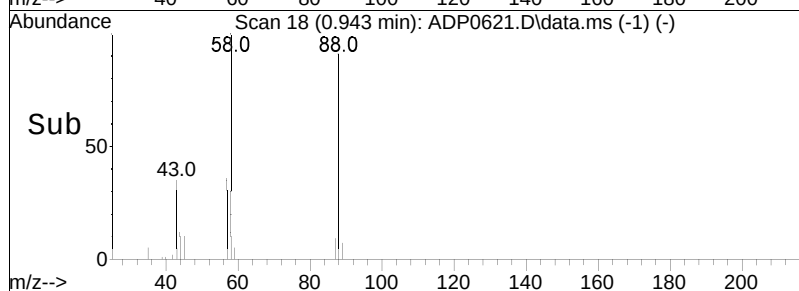
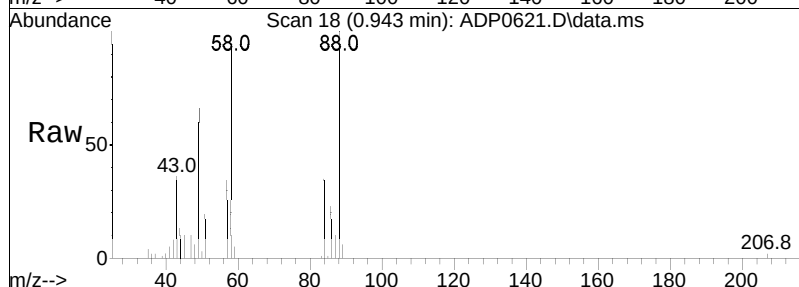
Sub List : ADPical_REV2 - ADP sublist

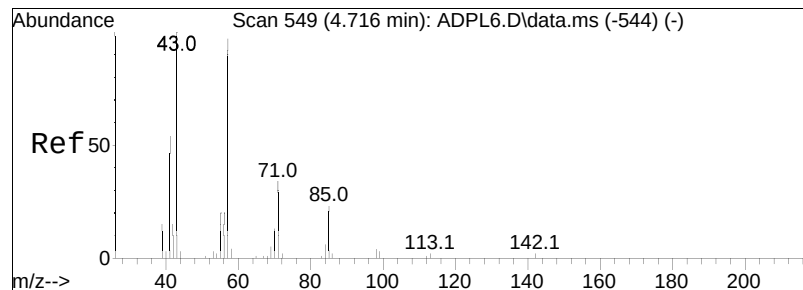




#33
 1,4-Dioxane
 Concen: 4.86 ug/ml
 RT: 0.943 min Scan# 18
 Delta R.T. 0.000 min
 Lab File: ADP0621.D
 Acq: 21 Jun 2025 12:13 pm

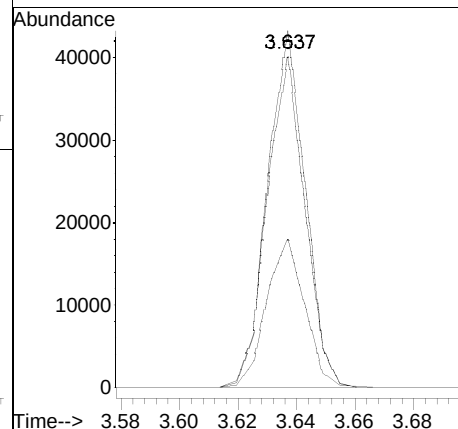
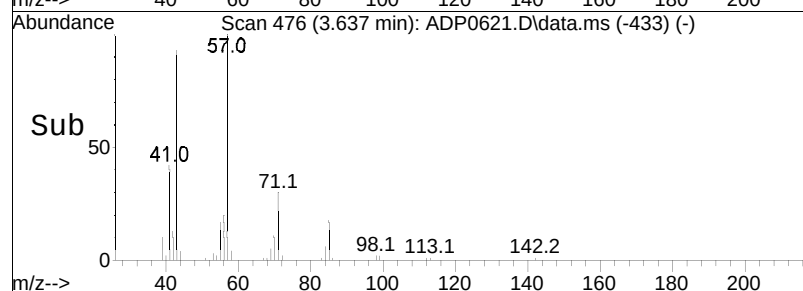
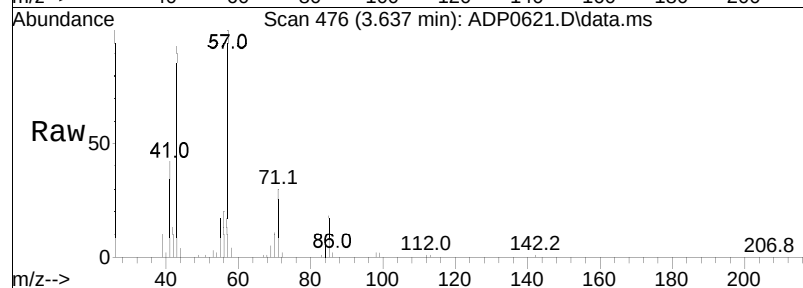
Tgt Ion: 88 Resp: 11025
 Ion Ratio Lower Upper
 88 100
 58 87.3 44.8 67.2#
 43 33.9 22.4 33.6#

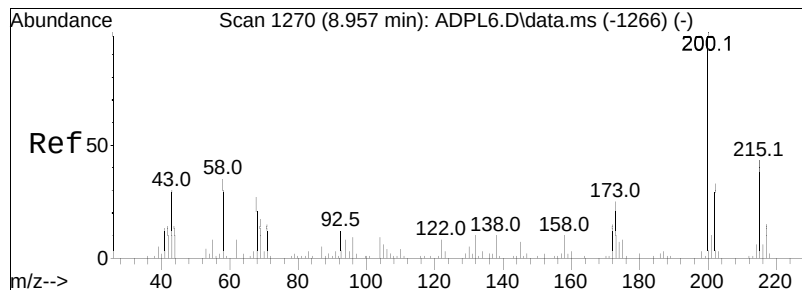




#34
 n-Decane
 Concen: 6.13 ug/ml
 RT: 3.637 min Scan# 476
 Delta R.T. 0.000 min
 Lab File: ADP0621.D
 Acq: 21 Jun 2025 12:13 pm

Tgt Ion	Ratio	Lower	Upper
57	100		
43	93.2	75.4	113.2
41	42.5	35.0	52.6





#87

Atrazine

Concen: 4.41 ug/ml

RT: 7.884 min Scan# 1198

Delta R.T. 0.000 min

Lab File: ADP0621.D

Acq: 21 Jun 2025 12:13 pm

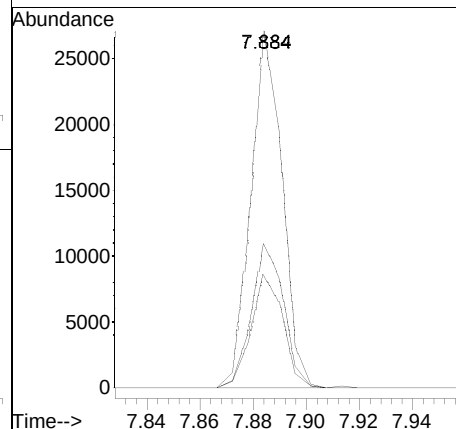
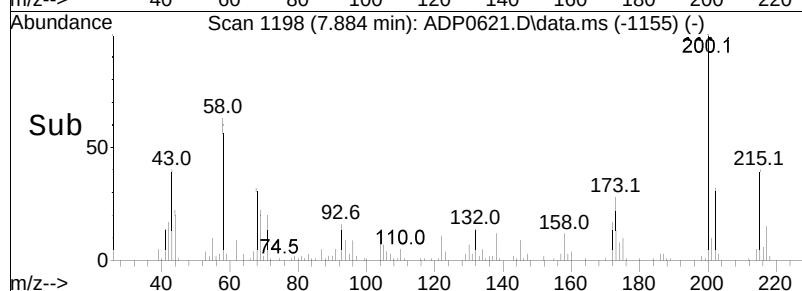
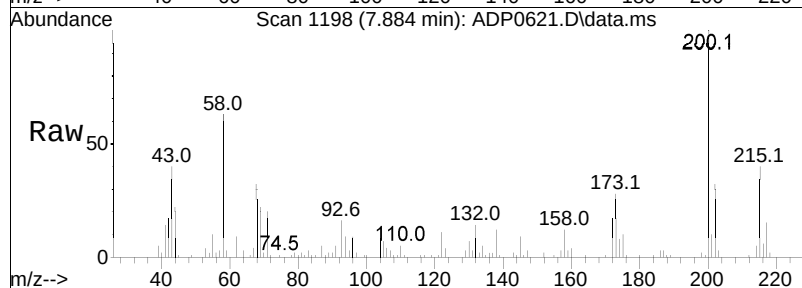
Tgt Ion: 200 Resp: 21994

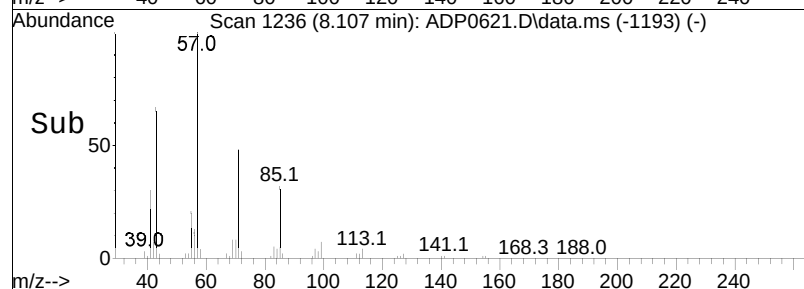
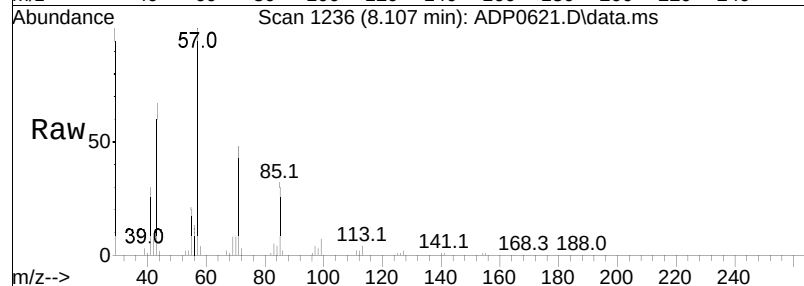
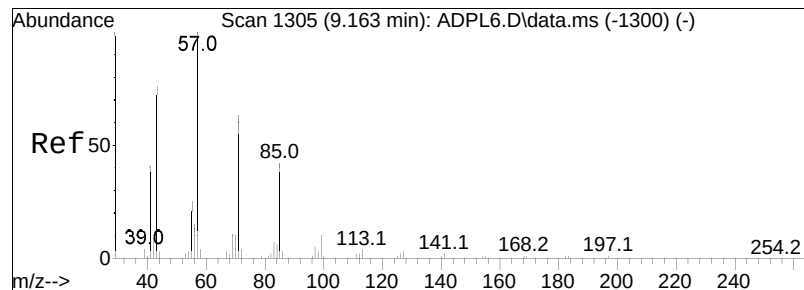
Ion Ratio Lower Upper

200 100

202 32.5 25.0 37.6

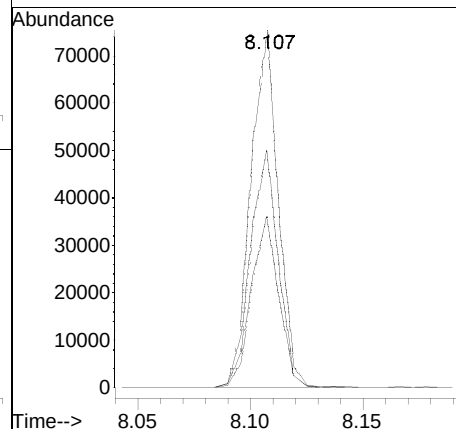
215 41.4 34.5 51.7

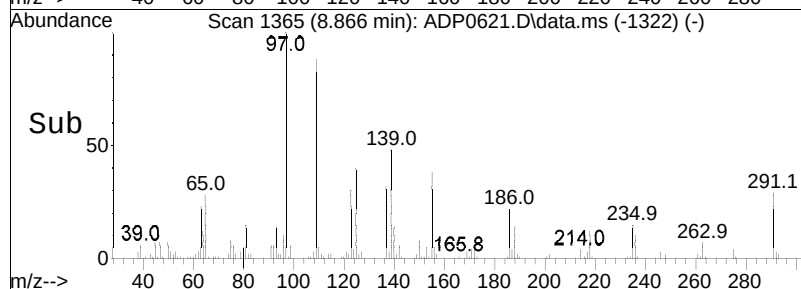
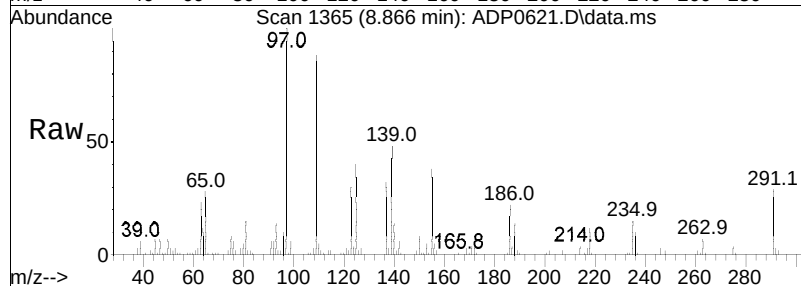
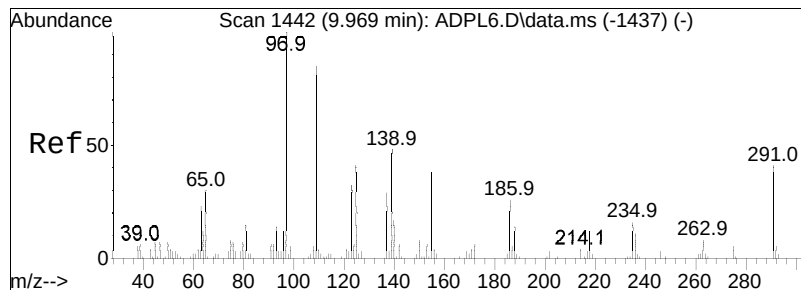




#101
n-Octadecane
Concen: 7.21 ug/ml
RT: 8.107 min Scan# 1236
Delta R.T. 0.000 min
Lab File: ADP0621.D
Acq: 21 Jun 2025 12:13 pm

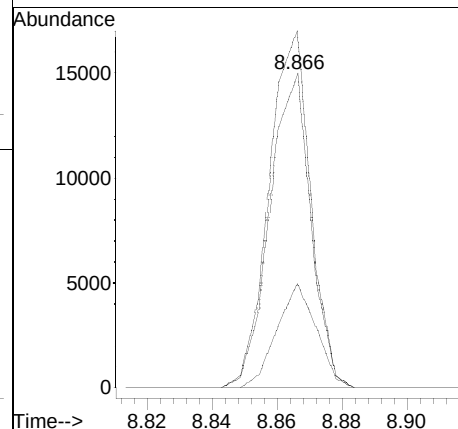
Tgt	Ion	Ratio	Lower	Upper
57	100			
43	66.6	54.3	81.5	
71	47.8	45.1	67.7	

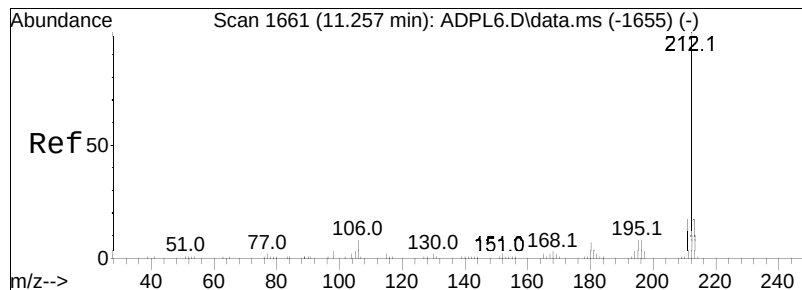




#102
 Parathion
 Concen: 6.51 ug/ml
 RT: 8.866 min Scan# 1365
 Delta R.T. 0.000 min
 Lab File: ADP0621.D
 Acq: 21 Jun 2025 12:13 pm

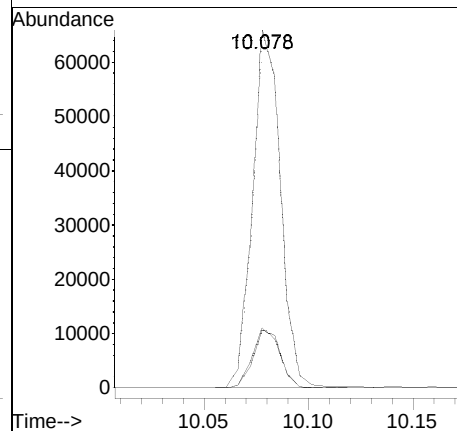
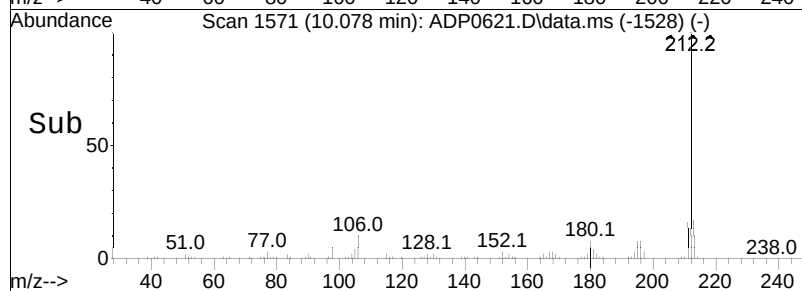
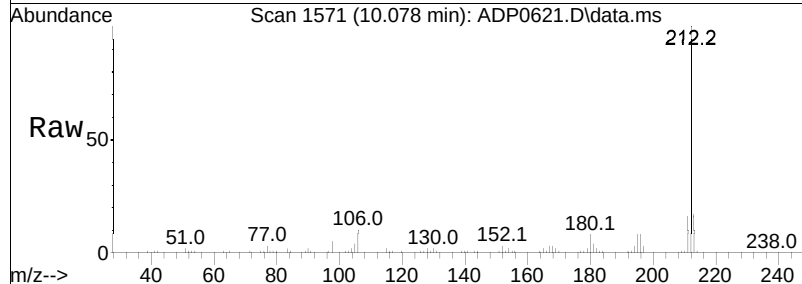
Tgt Ion	109	Resp	13074
Ion Ratio	Lower	Upper	
109	100		
97	114.5	85.4	128.2
291	32.0	25.4	38.2





#103
 3,3'-Dimethylbenzidine
 Concen: 3.72 ug/ml
 RT: 10.078 min Scan# 1571
 Delta R.T. 0.000 min
 Lab File: ADP0621.D
 Acq: 21 Jun 2025 12:13 pm

Tgt Ion:	212	Resp:	60727
Ion Ratio	Lower	Upper	
212	100		
211	16.0	13.3	19.9
213	16.6	13.4	20.2



Manual Integration Report

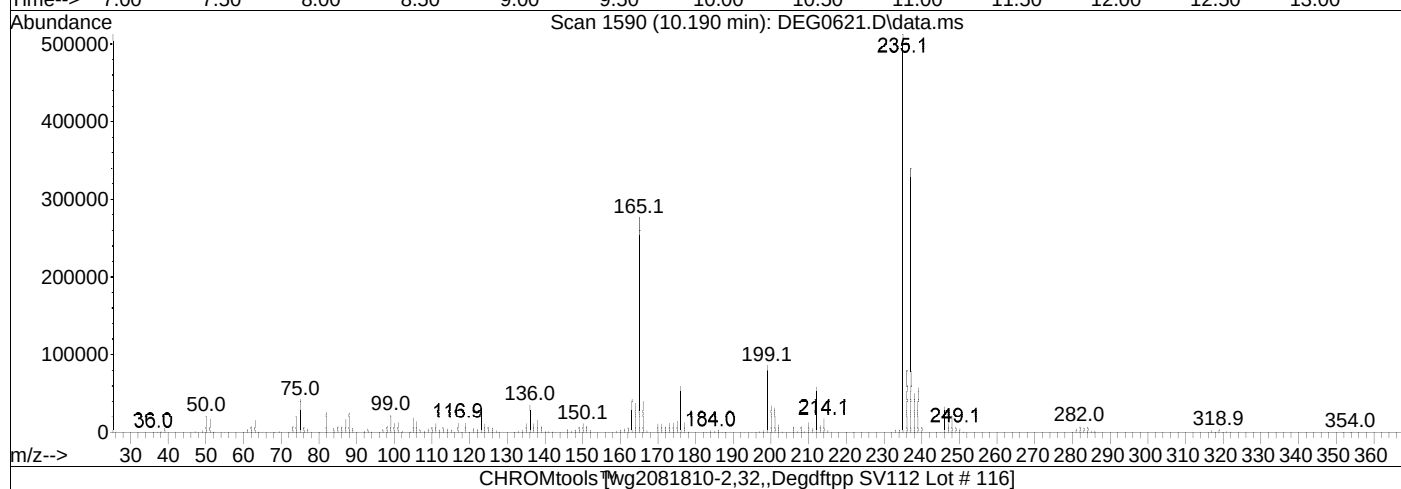
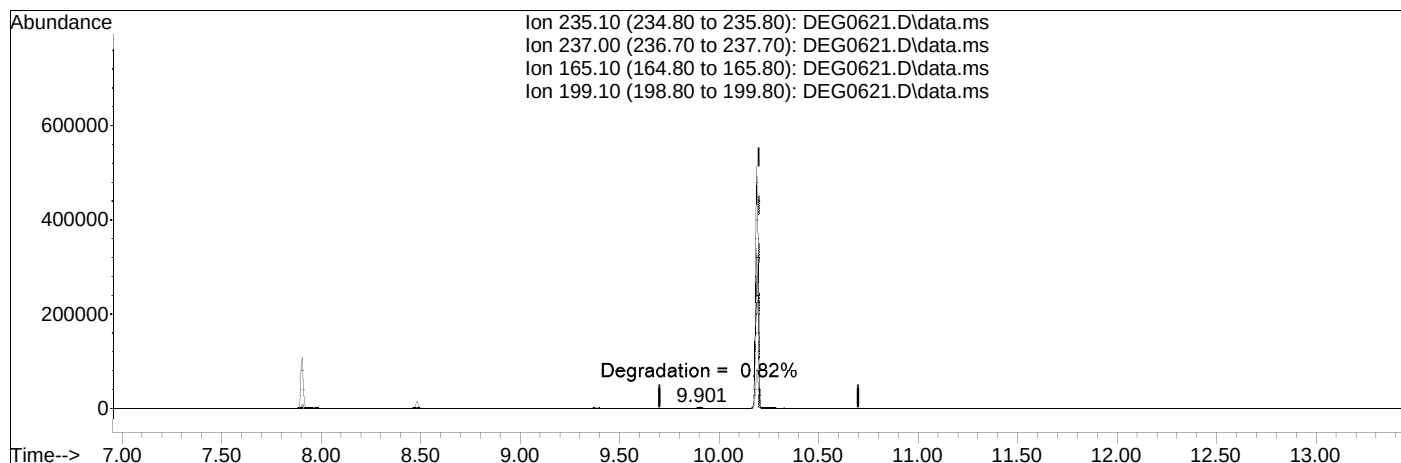
Data Path : I:\8270\SV112\250621RVTb\ QMethod : FS250313SV112RVT.m
Data File : ADP0621.D Operator : SV112:smz
Date Inj'd : 6/21/2025 12:13 pm Instrument : SV112
Sample : wg2081810-5,32,,ADP 11661 Qvalue Date : 6/21/2025 1:15 pm

There are no manual integrations or false positives in this file.

Quantitation Report (Qedit)

Data Path : I:\8270\SV112\250621RVTb\
Data File : DEG0621.D
Acq On : 21 Jun 2025 11:05 am
Operator : SV112:smz
Sample : wg2081810-2,32,,Degdftpp SV112 Lot # 116
Misc : wg2081810,,ical22084
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Jun 21 11:32:18 2025
Quant Method : I:\8270\SV112\250621RVTb\DftppSV112.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Feb 26 15:45:52 2025
Response via : Initial Calibration



CHROMtools [wg2081810-2,32,,Degdftpp SV112 Lot # 116]

(6) DDT (T)

10.190min (-0.011) 0.00

response 466072

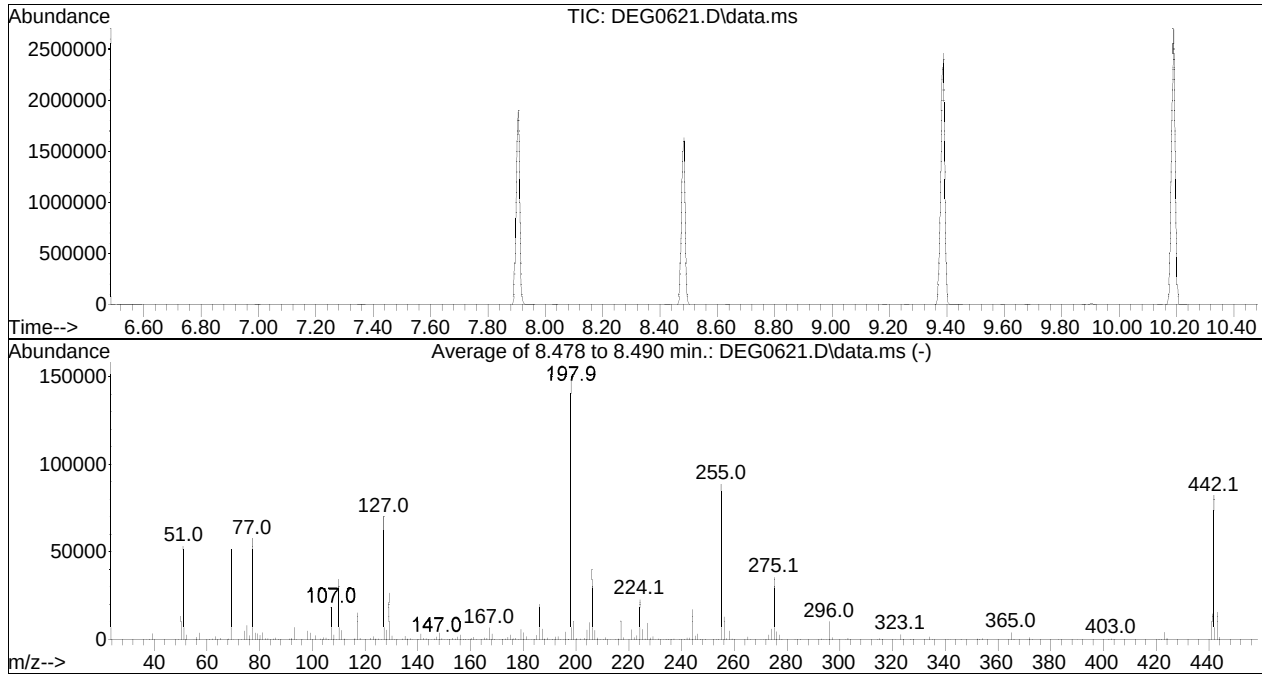
Ion	Exp%	Act%
235.10	100.00	100.00
237.00	71.30	65.90
165.10	47.10	51.91
199.10	16.40	16.14

DFTPP

Data Path : I:\8270\SV112\250621RVTb\
 Data File : DEG0621.D
 Acq On : 21 Jun 2025 11:05 am
 Operator : SV112:gmr
 Sample : WG2081810-1,32,,Degdftpp SV112 Lot # 11649
 Misc : WG2081810,,ical22084
 ALS Vial : 141 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270\SV112\250621RVTb\FS250313SV112RVT.m
 Title : Semivolatiles by GC/MS by modified 8270
 Last Update : Sat Jun 21 12:15:47 2025



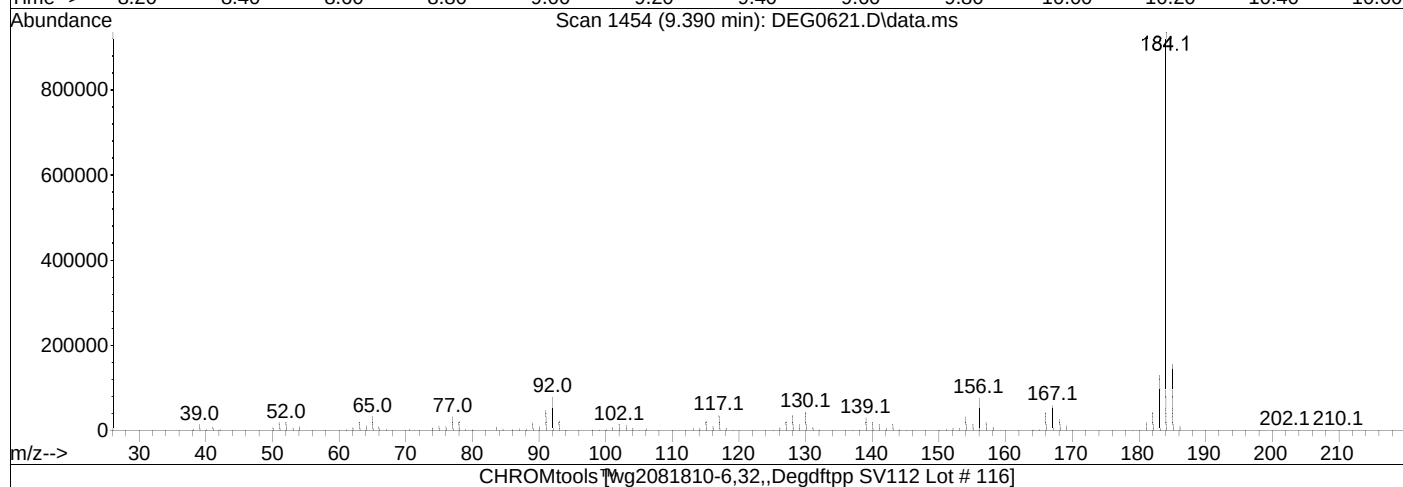
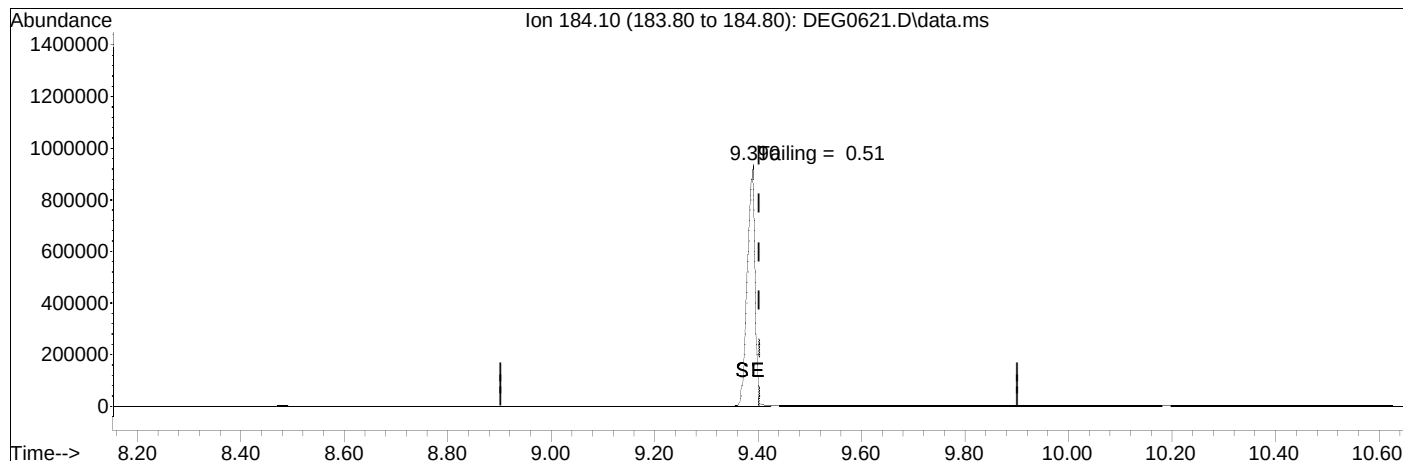
Spectrum Information: Average of 8.478 to 8.490 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	35.3	53200	PASS
68	69	0.00	2	1.5	778	PASS
69	69	100	100	100.0	51610	PASS
70	69	0.00	2	0.5	281	PASS
127	198	10	80	46.6	70179	PASS
197	198	0.00	2	0.4	562	PASS
198	198	100	100	100.0	150664	PASS
199	198	5	9	6.9	10400	PASS
275	198	10	60	23.6	35619	PASS
365	198	1	100	2.7	4062	PASS
441	442	0.01	24	18.1	14791	PASS
442	198	50	100	54.4	81920	PASS
443	442	15	24	19.2	15748	PASS

Quantitation Report (Qedit)

Data Path : I:\8270\SV112\250621RVTb\
Data File : DEG0621.D
Acq On : 21 Jun 2025 11:05 am
Operator : SV112:smz
Sample : wg2081810-6,32,,Degdftpp SV112 Lot # 116
Misc : wg2081810,,ical22084
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Jun 21 11:32:18 2025
Quant Method : I:\8270\SV112\250621RVTb\DftppSV112.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Feb 26 15:45:52 2025
Response via : Initial Calibration



(3) Benzidine (T)

9.390min (-0.012) 0.00

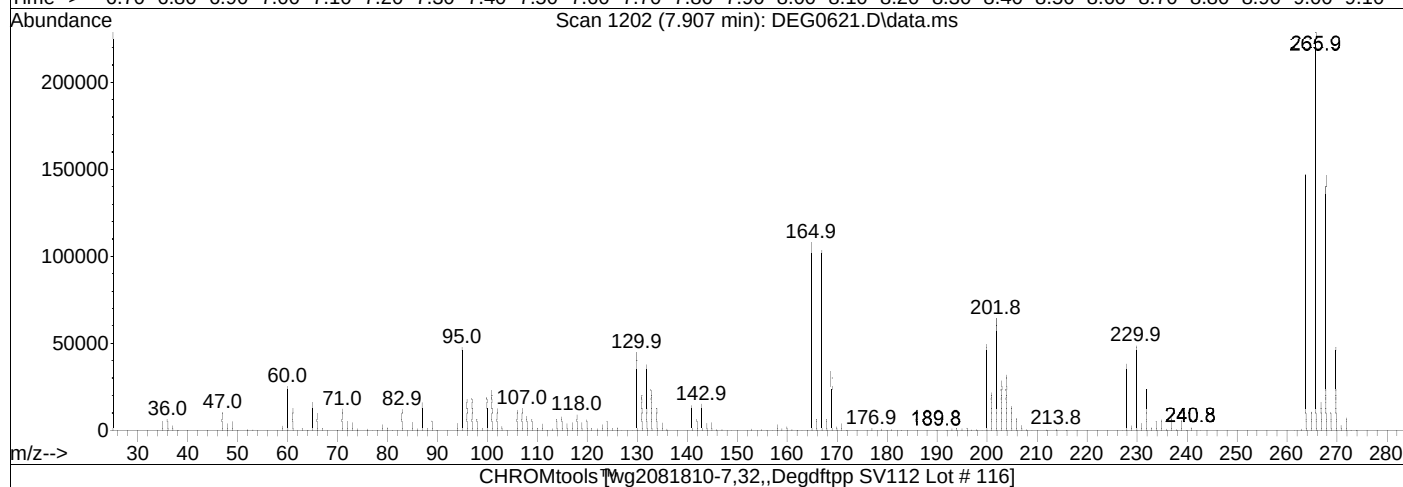
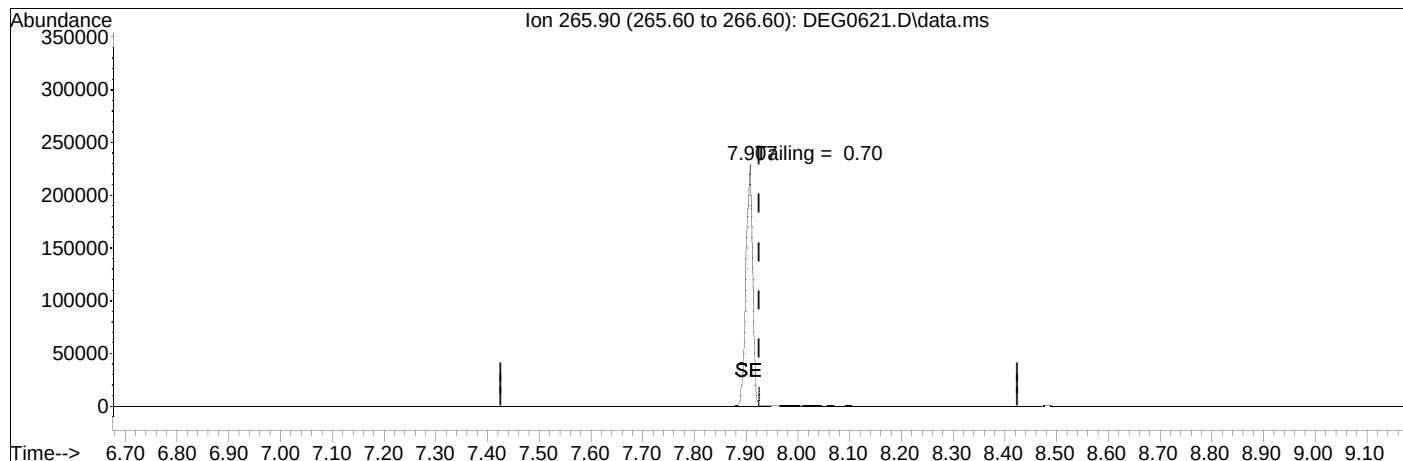
response 906861

Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270\SV112\250621RVTb\
Data File : DEG0621.D
Acq On : 21 Jun 2025 11:05 am
Operator : SV112:smz
Sample : wg2081810-7,32,,Degdftpp SV112 Lot # 116
Misc : wg2081810,,ical22084
ALS Vial : 141 Sample Multiplier: 1

Quant Time: Jun 21 11:32:18 2025
Quant Method : I:\8270\SV112\250621RVTb\DftppSV112.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Feb 26 15:45:52 2025
Response via : Initial Calibration



(1) Pentachlorophenol (T)

7.907min (-0.018) 0.00

```
response 188132
```

Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Semivolatiles Raw QC Data

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250621RVTb\
 Data File : 081650-1.D
 Acq On : 21 Jun 2025 12:36 pm
 Operator : SV112:smz
 Sample : WG2081650-1,32,,gmr
 Misc : WG2081810,WG2081650,ical22084
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 24 08:50:02 2025
 Quant Method : I:\8270\SV112\250621RVTb\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Jun 21 13:15:10 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250621RVTb\ABN0621.D
 : 2 - I:\8270\SV112\250621RVTb\ADP0621.D
 : 3 - I:\8270\SV112\250621RVTb\AP90621.D
 Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	3.714	152	19460	4.000	ug/ml	0.00
Standard Area 1 = 22450			Recovery =	86.68%		
27) IS2_1,4-Dichlorobenzen...	3.714	152	19460	4.000	ug/ml	0.00
Standard Area 3 = 22756			Recovery =	85.52%		
32) IS3_1,4-Dichlorobenzen...	3.714	152	19460	4.000	ug/ml	0.00
Standard Area 2 = 18865			Recovery =	103.15%		
35) IS1_Naphthalene-d8	4.972	136	74501	4.000	ug/ml	0.00
Standard Area 1 = 86605			Recovery =	86.02%		
55) IS2_Naphthalene-d8	4.972	136	74501	4.000	ug/ml	0.00
Standard Area 3 = 88541			Recovery =	84.14%		
63) IS1_Acenaphthene-d10	6.649	164	43040	4.000	ug/ml	0.00
Standard Area 1 = 53004			Recovery =	81.20%		
83) IS2_Acenaphthene-d10	6.649	164	43040	4.000	ug/ml	0.00
Standard Area 3 = 53432			Recovery =	80.55%		
86) IS3_Acenaphthene-d10	6.649	164	43040	4.000	ug/ml	0.00
Standard Area 2 = 42482			Recovery =	101.31%		
88) IS1_Phenanthrene-d10	8.043	188	95261	4.000	ug/ml	0.00
Standard Area 1 = 110288			Recovery =	86.37%		
100) IS3_Phenanthrene-d10	8.043	188	95261	4.000	ug/ml	0.00
Standard Area 2 = 89880			Recovery =	105.99%		
104) IS1_Chrysene-d12	10.554	240	111268	4.000	ug/ml	0.00
Standard Area 1 = 115775			Recovery =	96.11%		
113) IS1_Perylene-d12	11.919	264	126342	4.000	ug/ml	0.00
Standard Area 1 = 127514			Recovery =	99.08%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.343	112	5581	1.060	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	53.00%		
7) Phenol-d6	3.449	99	5281	0.804	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	40.20%		
19) Nitrobenzene-d5	4.290	82	4711	0.759	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	75.90%		
46) 2-Fluorobiphenyl	6.055	172	11164	0.654	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	65.40%		
79) 2,4,6-Tribromophenol	7.402	330	3078	1.185	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	59.25%		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250621RVTb\
 Data File : 081650-1.D
 Acq On : 21 Jun 2025 12:36 pm
 Operator : SV112:smz
 Sample : WG2081650-1,32,,gmr
 Misc : WG2081810,WG2081650,ical22084
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 24 08:50:02 2025
 Quant Method : I:\8270\SV112\250621RVTb\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Jun 21 13:15:10 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250621RVTb\ABN0621.D
 : 2 - I:\8270\SV112\250621RVTb\ADP0621.D
 : 3 - I:\8270\SV112\250621RVTb\AP90621.D
 Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 4-Terphenyl-d14	9.613	244	21027	0.844	ug/ml	0.00
Spiked Amount	1.000	Range	30 - 130	Recovery	=	84.40%
Target Compounds						Qvalue
6) 2-Chlorophenol	0.000		0		N.D.	
8) Phenol	0.000		0		N.D.	
14) Bis(2-chloroisopropyl)...	0.000		0		N.D.	
15) 2-Methylphenol	0.000		0		N.D.	
17) n-Nitrosodi-n-propylamine	0.000		0		N.D.	d
18) 3-Methylphenol/4-Methy...	0.000		0		N.D.	
20) Nitrobenzene	0.000		0		N.D.	
21) Isophorone	0.000		0		N.D.	
22) 2-Nitrophenol	0.000		0		N.D.	
23) 2,4-Dimethylphenol	0.000		0		N.D.	
24) Bis(2-chloroethoxy)met...	0.000		0		N.D.	
25) 2,4-Dichlorophenol	0.000		0		N.D.	
28) Benzaldehyde	0.000		0		N.D.	
29) Acetophenone	0.000		0		N.D.	
38) 4-Chloroaniline	0.000		0		N.D.	
40) p-Chloro-m-cresol	0.000		0		N.D.	
43) Hexachlorocyclopentadiene	0.000		0		N.D.	
44) 2,4,6-Trichlorophenol	0.000		0		N.D.	
45) 2,4,5-Trichlorophenol	0.000		0		N.D.	
48) 2-Nitroaniline	0.000		0		N.D.	
51) Dimethyl phthalate	0.000		0		N.D.	d
53) 2,6-Dinitrotoluene	0.000		0		N.D.	d
60) Caprolactam	0.000		0		N.D.	
61) 1,2,4,5-Tetrachloroben...	0.000		0		N.D.	
62) Biphenyl	0.000		0		N.D.	
64) 3-Nitroaniline	0.000		0		N.D.	
66) 2,4-Dinitrophenol	0.000		0		N.D.	
67) Dibenzofuran	0.000		0		N.D.	
68) 2,4-Dinitrotoluene	0.000		0		N.D.	
69) 4-Nitrophenol	0.000		0		N.D.	
72) Diethyl phthalate	0.000		0		N.D.	
74) 4-Chlorophenyl phenyl ...	0.000		0		N.D.	
75) 4-Nitroaniline	0.000		0		N.D.	

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250621RVTb\
 Data File : 081650-1.D
 Acq On : 21 Jun 2025 12:36 pm
 Operator : SV112:smz
 Sample : WG2081650-1,32,,gmr
 Misc : WG2081810,WG2081650,ical22084
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 24 08:50:02 2025
 Quant Method : I:\8270\SV112\250621RVTb\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Jun 21 13:15:10 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250621RVTb\ABN0621.D
 : 2 - I:\8270\SV112\250621RVTb\ADP0621.D
 : 3 - I:\8270\SV112\250621RVTb\AP90621.D
 Sub List : 8270TCL_REV2 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
76)	4,6-Dinitro-o-cresol	0.000		0		N.D.	
77)	NDPA/DPA	0.000		0		N.D.	
80)	4-Bromophenyl phenyl e...	0.000		0		N.D.	
87)	Atrazine	0.000		0		N.D.	
91)	Carbazole	0.000		0		N.D.	
92)	Di-n-butylphthalate	0.000		0		N.D.	
97)	Butyl benzyl phthalate	0.000		0		N.D.	
106)	3,3'-Dichlorobenzidine	0.000		0		N.D.	
108)	Bis(2-ethylhexyl)phtha...	0.000		0		N.D.	d
109)	Di-n-octylphthalate	0.000		0		N.D.	d

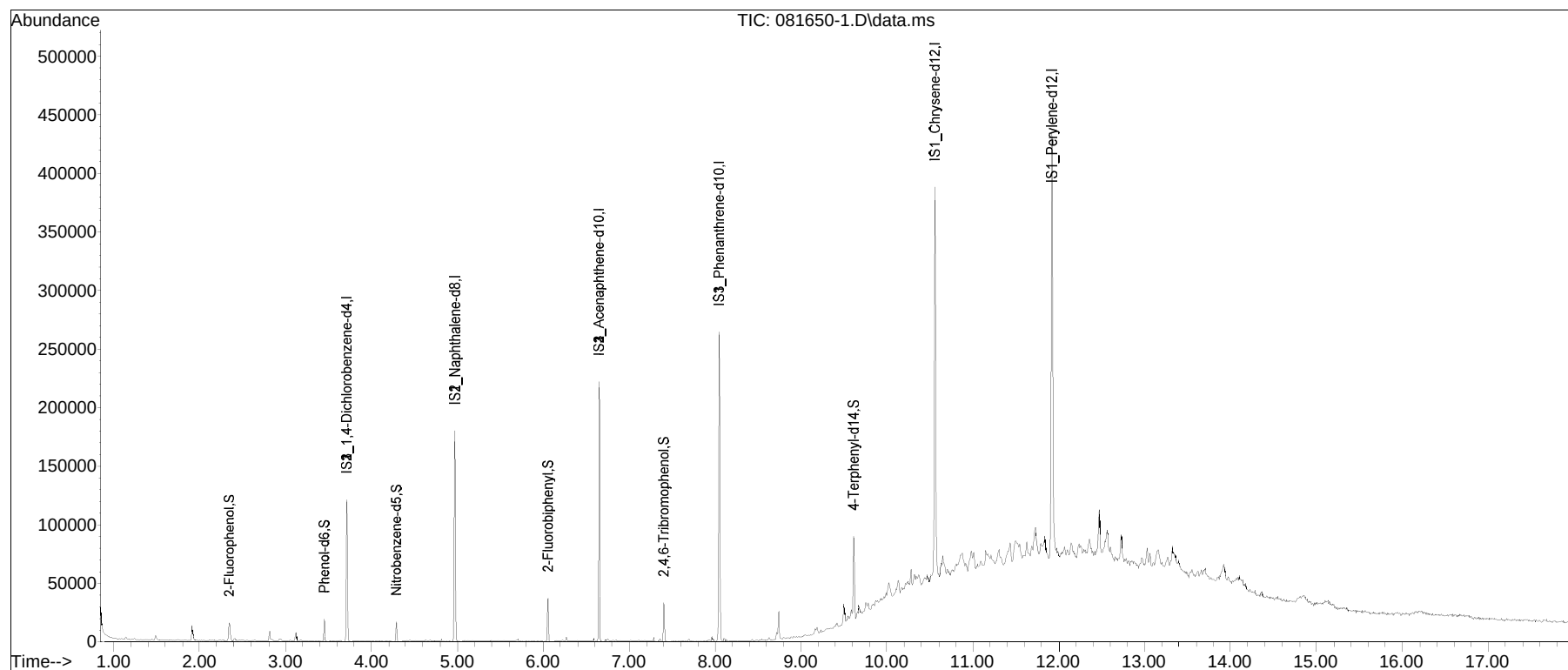
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250621RVTb\
 Data File : 081650-1.D
 Acq On : 21 Jun 2025 12:36 pm
 Operator : SV112:smz
 Sample : WG2081650-1,32,,gmr
 Misc : WG2081810,WG2081650,ical22084
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 24 08:50:02 2025
 Quant Method : I:\8270\SV112\250621RVTb\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Jun 21 13:15:10 2025
 Response via : Initial Calibration

Sub List : 8270ICL\8270\SV112\250621RVTb\AP90621.D•



Manual Integration Report

Data Path	: I:\8270\SV112\250621RVTb\	QMethod	: FS250313SV112RVT.m
Data File	: 081650-1.D	Operator	: SV112:smz
Date Inj'd	: 6/21/2025 12:36 pm	Instrument	: SV112
Sample	: WG2081650-1, 32,,gmr	Quant Date	: 6/22/2025 6:41 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250621RVTb\
 Data File : 081650-2.D
 Acq On : 21 Jun 2025 12:59 pm
 Operator : SV112:smz
 Sample : WG2081650-2,32,,gmr
 Misc : WG2081810,WG2081650,ical22084
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 24 09:07:01 2025
 Quant Method : I:\8270\SV112\250621RVTb\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Jun 21 13:15:10 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250621RVTb\ABN0621.D
 : 2 - I:\8270\SV112\250621RVTb\ADP0621.D
 : 3 - I:\8270\SV112\250621RVTb\AP90621.D
 Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) IS1_1,4-Dichlorobenzen...	3.714	152	19644	4.000	ug/ml	0.00
Standard Area 1 = 22450			Recovery =	87.50%		
27) IS2_1,4-Dichlorobenzen...	3.714	152	19644	4.000	ug/ml	0.00
Standard Area 3 = 22756			Recovery =	86.32%		
32) IS3_1,4-Dichlorobenzen...	3.714	152	19644	4.000	ug/ml	0.00
Standard Area 2 = 18865			Recovery =	104.13%		
35) IS1_Naphthalene-d8	4.972	136	74661	4.000	ug/ml	0.00
Standard Area 1 = 86605			Recovery =	86.21%		
55) IS2_Naphthalene-d8	4.972	136	74661	4.000	ug/ml	0.00
Standard Area 3 = 88541			Recovery =	84.32%		
63) IS1_Acenaphthene-d10	6.649	164	47060	4.000	ug/ml	0.00
Standard Area 1 = 53004			Recovery =	88.79%		
83) IS2_Acenaphthene-d10	6.649	164	47060	4.000	ug/ml	0.00
Standard Area 3 = 53432			Recovery =	88.07%		
86) IS3_Acenaphthene-d10	6.649	164	47060	4.000	ug/ml	0.00
Standard Area 2 = 42482			Recovery =	110.78%		
88) IS1_Phenanthrene-d10	8.043	188	98160	4.000	ug/ml	0.00
Standard Area 1 = 110288			Recovery =	89.00%		
100) IS3_Phenanthrene-d10	8.043	188	98160	4.000	ug/ml	0.00
Standard Area 2 = 89880			Recovery =	109.21%		
104) IS1_Chrysene-d12	10.560	240	108588	4.000	ug/ml	0.00
Standard Area 1 = 115775			Recovery =	93.79%		
113) IS1_Perylene-d12	11.919	264	123468	4.000	ug/ml	0.00
Standard Area 1 = 127514			Recovery =	96.83%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.343	112	6891	1.296	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	64.80%		
7) Phenol-d6	3.449	99	6741	1.016	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	50.80%		
19) Nitrobenzene-d5	4.284	82	5178	0.827	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	82.70%		
46) 2-Fluorobiphenyl	6.055	172	11026	0.645	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	64.50%		
79) 2,4,6-Tribromophenol	7.402	330	3818	1.344	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	67.20%		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250621RVTb\
 Data File : 081650-2.D
 Acq On : 21 Jun 2025 12:59 pm
 Operator : SV112:smz
 Sample : WG2081650-2,32,,gmr
 Misc : WG2081810,WG2081650,ical22084
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 24 09:07:01 2025
 Quant Method : I:\8270\SV112\250621RVTb\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Jun 21 13:15:10 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250621RVTb\ABN0621.D
 : 2 - I:\8270\SV112\250621RVTb\ADP0621.D
 : 3 - I:\8270\SV112\250621RVTb\AP90621.D
 Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 4-Terphenyl-d14	9.613	244	19435	0.757	ug/ml	0.00
Spiked Amount	1.000	Range	30 - 130	Recovery	=	75.70%
Target Compounds						Qvalue
6) 2-Chlorophenol	3.508	128	9955	1.625	ug/ml	95
8) Phenol	3.461	94	7313	0.935	ug/ml	98
14) Bis(2-chloroisopropyl)...	4.066	45	17034	2.073	ug/ml#	74
15) 2-Methylphenol	4.066	108	7986	1.541	ug/ml	96
17) n-Nitrosodi-n-propylamine	4.190	70	7052	1.588	ug/ml	96
18) 3-Methylphenol/4-Methy...	4.237	108	8645	1.506	ug/ml	86
20) Nitrobenzene	4.302	77	10298	1.611	ug/ml	96
21) Isophorone	4.555	82	18886	1.599	ug/ml	99
22) 2-Nitrophenol	4.625	139	5463	1.875	ug/ml	97
23) 2,4-Dimethylphenol	4.743	107	7408	1.219	ug/ml	97
24) Bis(2-chloroethoxy)met...	4.819	93	12879	1.623	ug/ml	99
25) 2,4-Dichlorophenol	4.872	162	9486	1.702	ug/ml	96
28) Benzaldehyde	3.261	105	7861	1.679	ug/ml	95
29) Acetophenone	4.149	105	14191M6	1.669	ug/ml	
38) 4-Chloroaniline	5.090	65	2852M3	1.195	ug/ml	
40) p-Chloro-m-cresol	5.619	107	9295	1.736	ug/ml	99
43) Hexachlorocyclopentadiene	5.849	237	4644	0.790	ug/ml#	94
44) 2,4,6-Trichlorophenol	5.972	196	7447	1.478	ug/ml	98
45) 2,4,5-Trichlorophenol	6.002	196	8345M3	1.639	ug/ml	
48) 2-Nitroaniline	6.255	138	7487	1.988	ug/ml	96
51) Dimethyl phthalate	6.472	163	27335	1.526	ug/ml	99
53) 2,6-Dinitrotoluene	6.507	165	5613	1.713	ug/ml#	75
60) Caprolactam	5.384	55	2588	1.051	ug/ml#	89
61) 1,2,4,5-Tetrachloroben...	5.843	216	9505	1.162	ug/ml	95
62) Biphenyl	6.137	154	23886	1.438	ug/ml	97
64) 3-Nitroaniline	6.655	138	6192	1.705	ug/ml#	92
66) 2,4-Dinitrophenol	6.755	184	3171	1.538	ug/ml	92
67) Dibenzofuran	6.849	168	31677	1.460	ug/ml	93
68) 2,4-Dinitrotoluene	6.884	165	8115	1.717	ug/ml#	82
69) 4-Nitrophenol	6.878	65	4017	1.489	ug/ml	90
72) Diethyl phthalate	7.160	149	28634	1.626	ug/ml	98
74) 4-Chlorophenyl phenyl ...	7.213	204	12414	1.380	ug/ml#	85
75) 4-Nitroaniline	7.225	138	6524	1.724	ug/ml	96

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250621RVTb\
 Data File : 081650-2.D
 Acq On : 21 Jun 2025 12:59 pm
 Operator : SV112:smz
 Sample : WG2081650-2,32,,gmr
 Misc : WG2081810,WG2081650,ical22084
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 24 09:07:01 2025
 Quant Method : I:\8270\SV112\250621RVTb\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Jun 21 13:15:10 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250621RVTb\ABN0621.D
 : 2 - I:\8270\SV112\250621RVTb\ADP0621.D
 : 3 - I:\8270\SV112\250621RVTb\AP90621.D
 Sub List : 8270TCL_REV2 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
76)	4,6-Dinitro-o-cresol	7.260	198	4549	1.654	ug/ml	96
77)	NDPA/DPA	7.331	169	18214	1.300	ug/ml	96
80)	4-Bromophenyl phenyl e...	7.666	248	7907	1.351	ug/ml#	88
87)	Atrazine	7.884	200	9366	1.695	ug/ml#	82
91)	Carbazole	8.302	167	41968	1.757	ug/ml	99
92)	Di-n-butylphthalate	8.731	149	50522	1.888	ug/ml	99
97)	Butyl benzyl phthalate	10.137	149	24388	2.096	ug/ml	94
106)	3,3'-Dichlorobenzidine	10.584	252	11336	0.935	ug/ml	97
108)	Bis(2-ethylhexyl)phtha...	10.748	149	37208	2.203	ug/ml#	98
109)	Di-n-octylphthalate	11.390	149	66719	2.474	ug/ml#	99

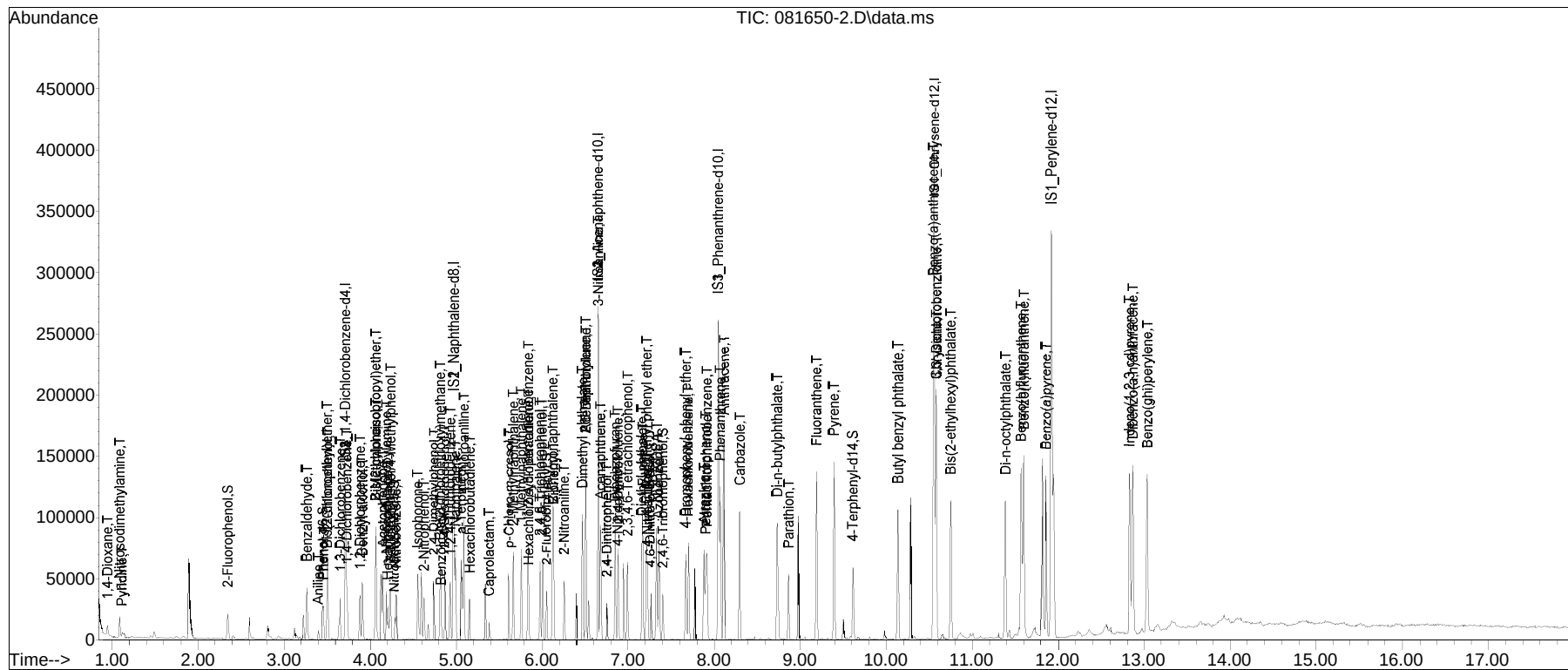
(#) = qualifier out of range (m) = manual integration (+) = signals summed

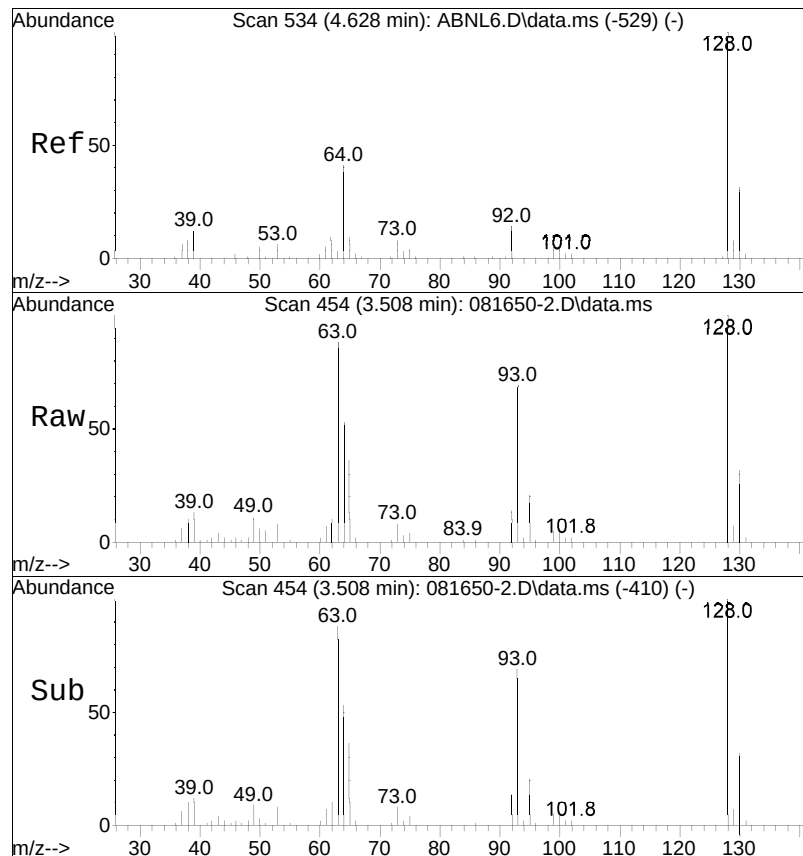
(QT Reviewed)

Data Path : I:\8270\SV112\250621RVTb\
Data File : 081650-2.D
Acq On : 21 Jun 2025 12:59 pm
Operator : SV112:smz
Sample : WG2081650-2,32,,gmr
Misc : WG2081810,WG2081650,ical22084
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 24 09:07:01 2025
Quant Method : I:\8270\SV112\250621RVTb\FS250313SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 21 13:15:10 2025
Response via : Initial Calibration

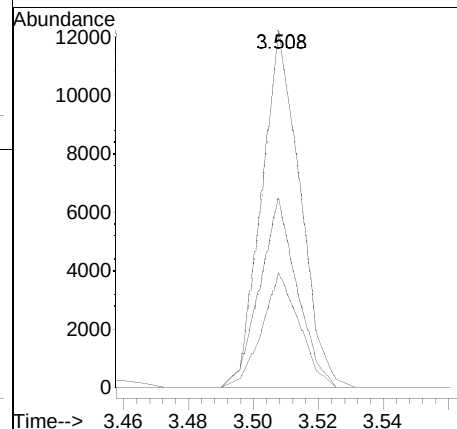
Sub List : 8270IC\8270\SV1I2\260601\ARVTb\AP90621.D•

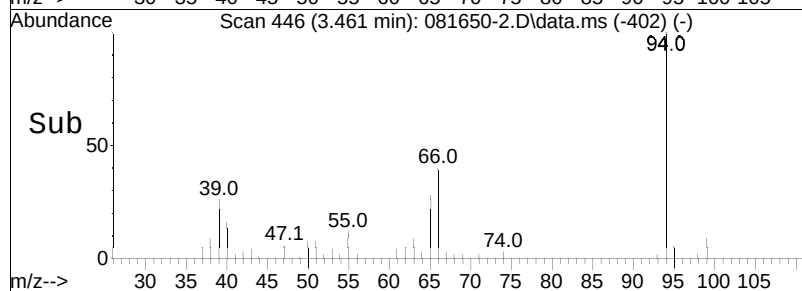
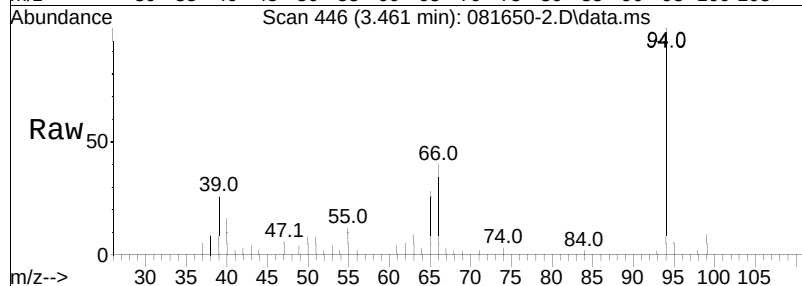
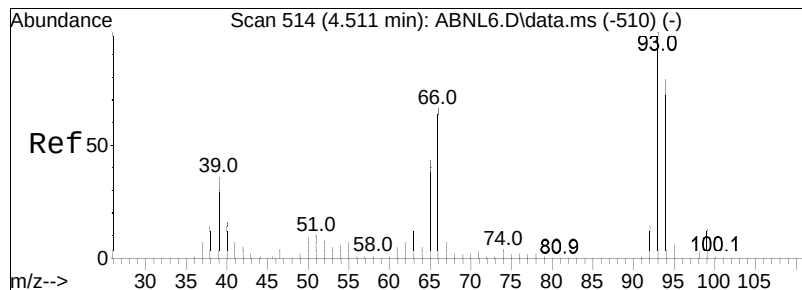




#6
 2-Chlorophenol
 Concen: 1.63 ug/ml
 RT: 3.508 min Scan# 454
 Delta R.T. 0.006 min
 Lab File: 081650-2.D
 Acq: 21 Jun 2025 12:59 pm

Tgt Ion:	128	Resp:	9955
Ion Ratio	Lower	Upper	
128	100		
64	52.0	38.2	57.4
130	31.5	26.2	39.2





#8

Phenol

Concen: 0.94 ug/ml

RT: 3.461 min Scan# 446

Delta R.T. 0.006 min

Lab File: 081650-2.D

Acq: 21 Jun 2025 12:59 pm

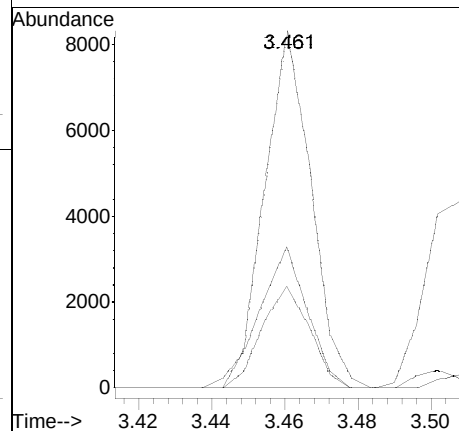
Tgt Ion: 94 Resp: 7313

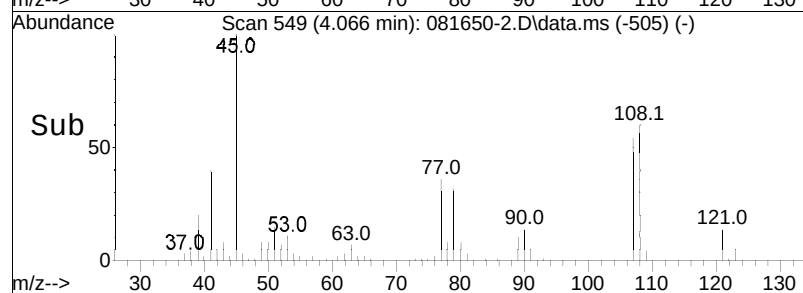
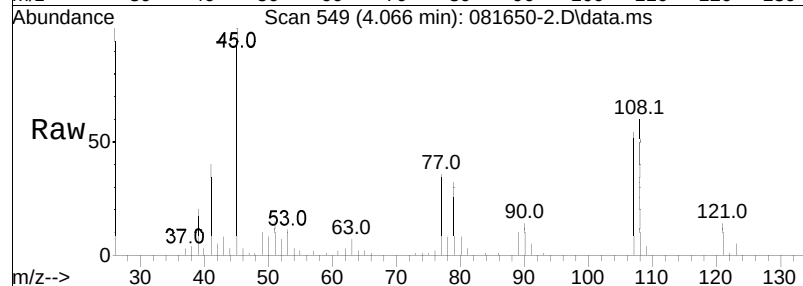
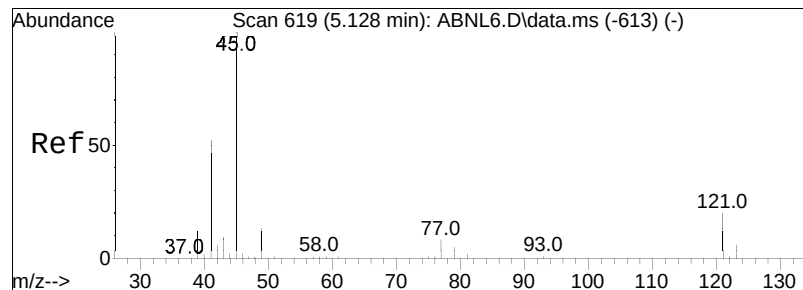
Ion Ratio Lower Upper

94 100

65 29.4 23.0 34.6

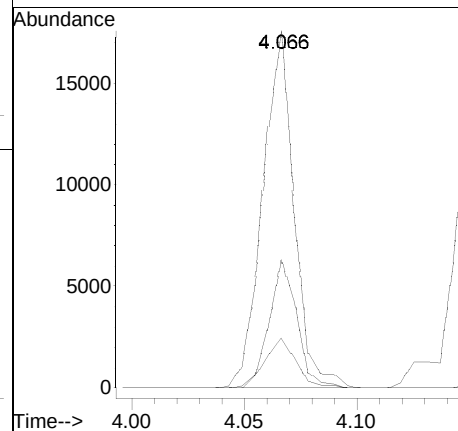
66 41.4 32.1 48.1

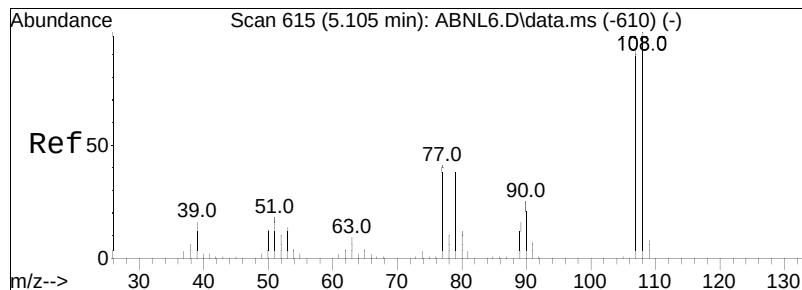




#14
 Bis(2-chloroisopropyl)ether
 Concen: 2.07 ug/ml
 RT: 4.066 min Scan# 549
 Delta R.T. 0.006 min
 Lab File: 081650-2.D
 Acq: 21 Jun 2025 12:59 pm

Tgt Ion:	45	Resp:	17034
Ion Ratio	100	Lower	Upper
121	13.9	14.8	22.2#
77	32.0	10.5	15.7#





#15

2-Methylphenol

Concen: 1.54 ug/ml

RT: 4.066 min Scan# 549

Delta R.T. 0.000 min

Lab File: 081650-2.D

Acq: 21 Jun 2025 12:59 pm

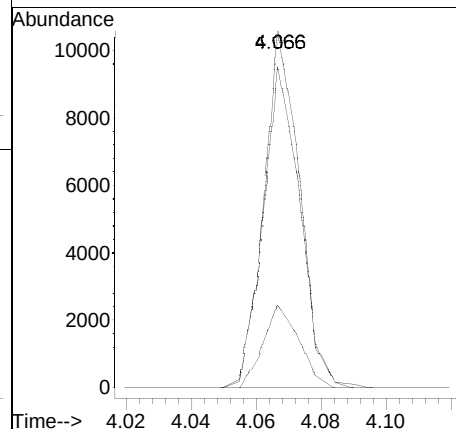
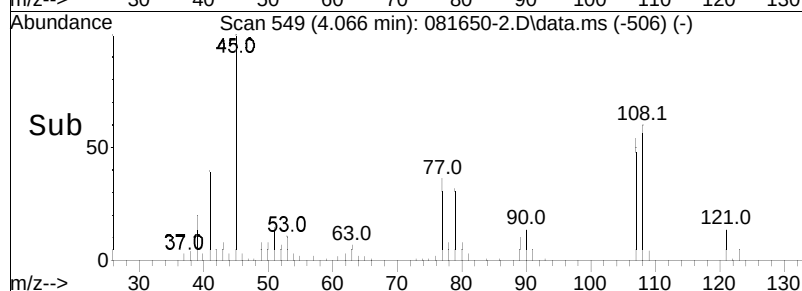
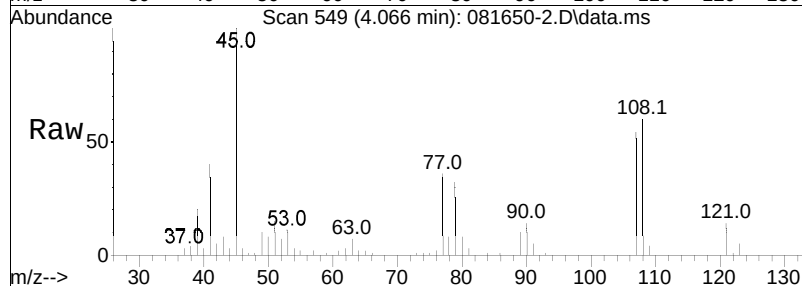
Tgt Ion:108 Resp: 7986

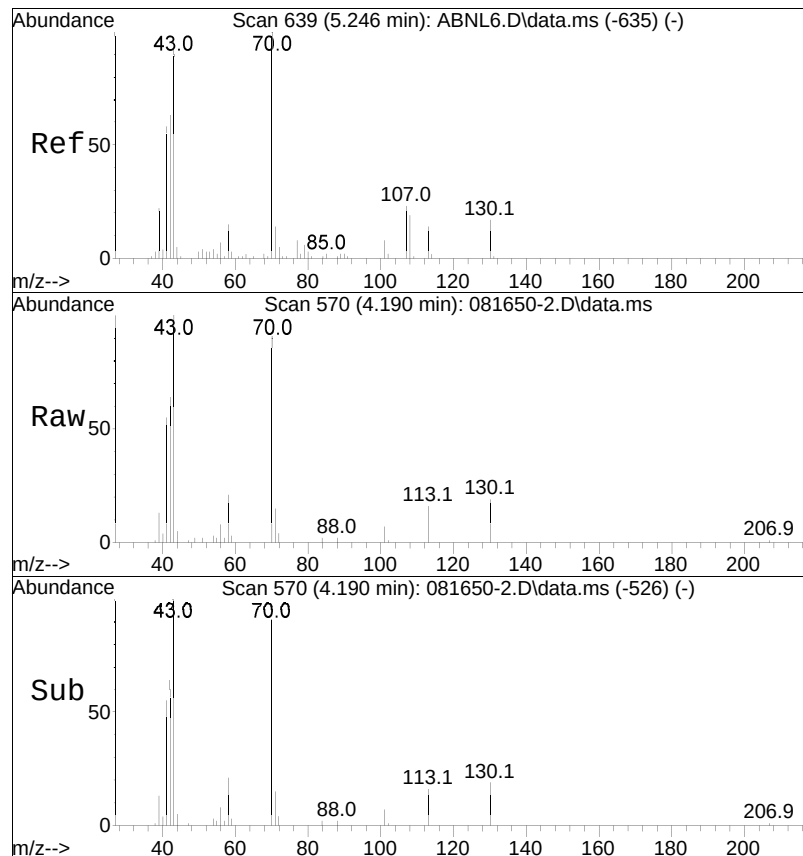
Ion Ratio Lower Upper

108 100

107 93.3 71.0 106.4

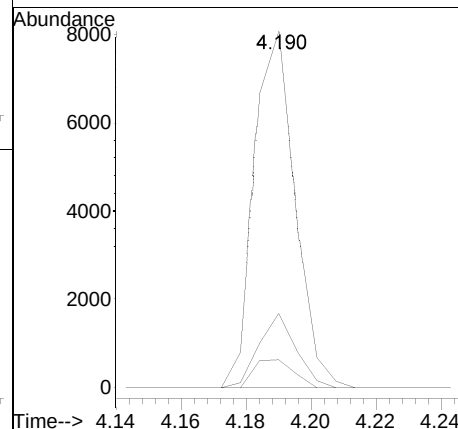
90 23.5 19.7 29.5

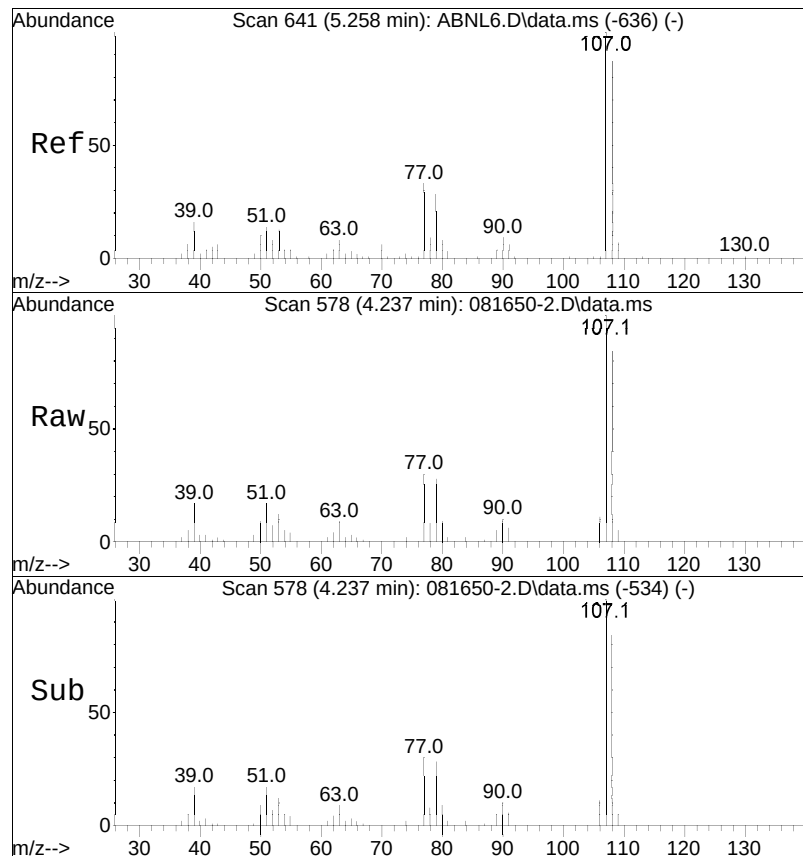




#17
 n-Nitrosodi-n-propylamine
 Concen: 1.59 ug/ml
 RT: 4.190 min Scan# 570
 Delta R.T. 0.006 min
 Lab File: 081650-2.D
 Acq: 21 Jun 2025 12:59 pm

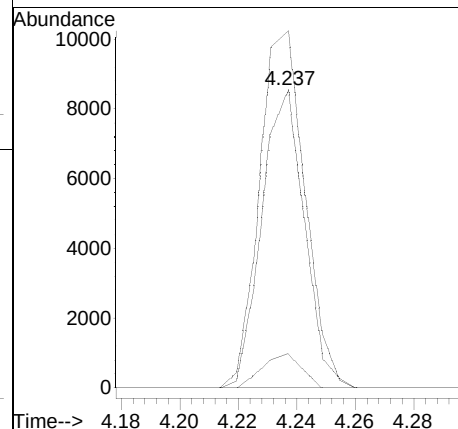
Tgt Ion:	70	Resp:	7052
Ion Ratio	Lower	Upper	
70	100		
130	18.7	16.2	24.4
101	7.7	7.6	11.4

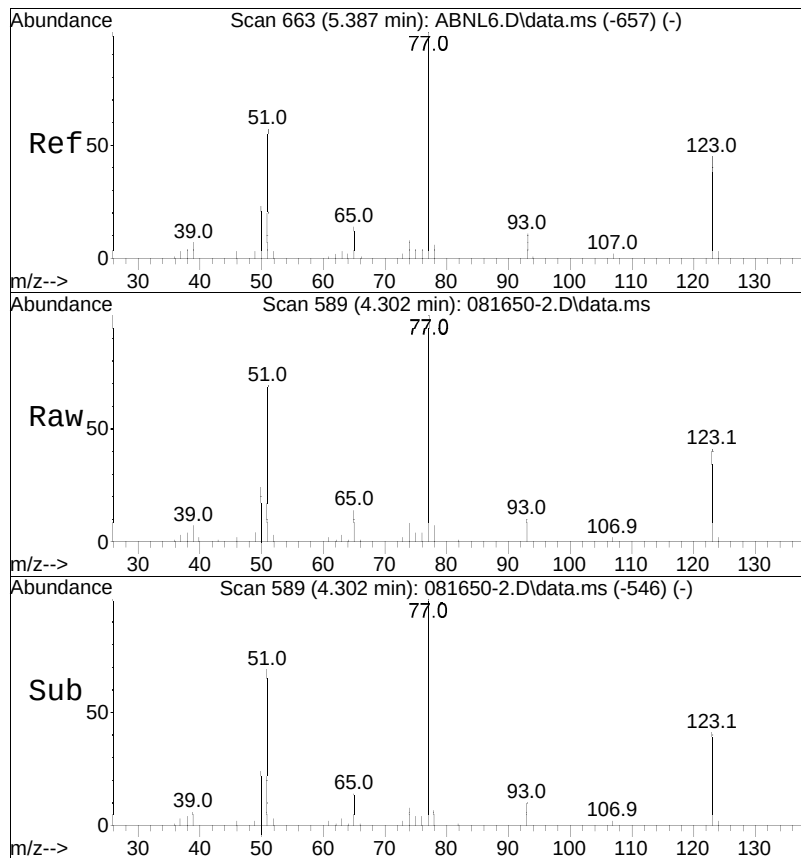




#18
 3-Methylphenol/4-Methylphenol
 Concen: 1.51 ug/ml
 RT: 4.237 min Scan# 578
 Delta R.T. 0.006 min
 Lab File: 081650-2.D
 Acq: 21 Jun 2025 12:59 pm

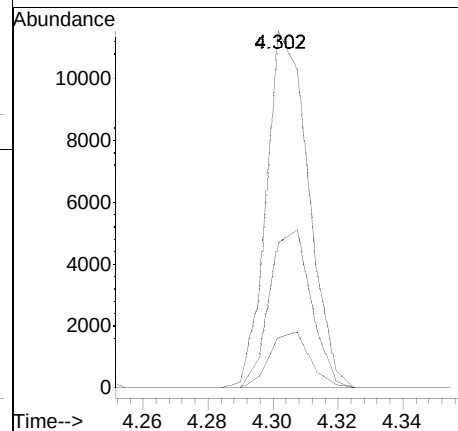
Tgt Ion	Ratio	Lower	Upper
108	100		
107	127.8	88.8	133.2
90	10.7	9.0	13.6

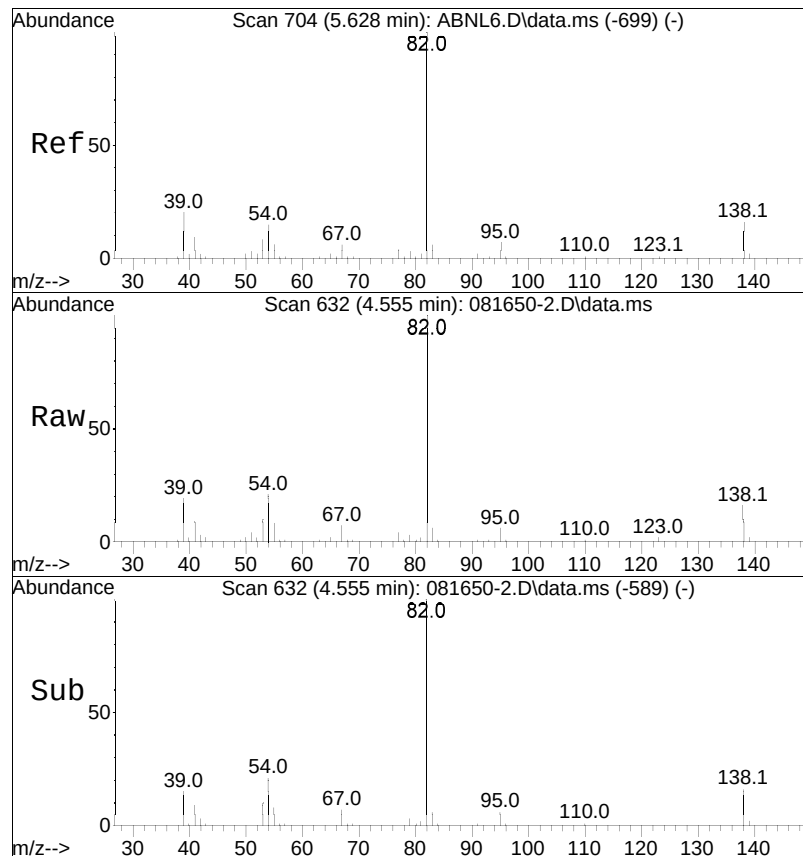




#20
 Nitrobenzene
 Concen: 1.61 ug/ml
 RT: 4.302 min Scan# 589
 Delta R.T. 0.000 min
 Lab File: 081650-2.D
 Acq: 21 Jun 2025 12:59 pm

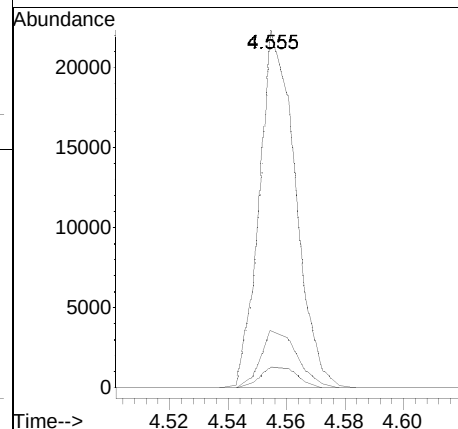
Tgt Ion:	77	Resp:	10298
Ion Ratio	Lower	Upper	
77	100		
123	44.1	37.3	55.9
65	15.2	10.9	16.3

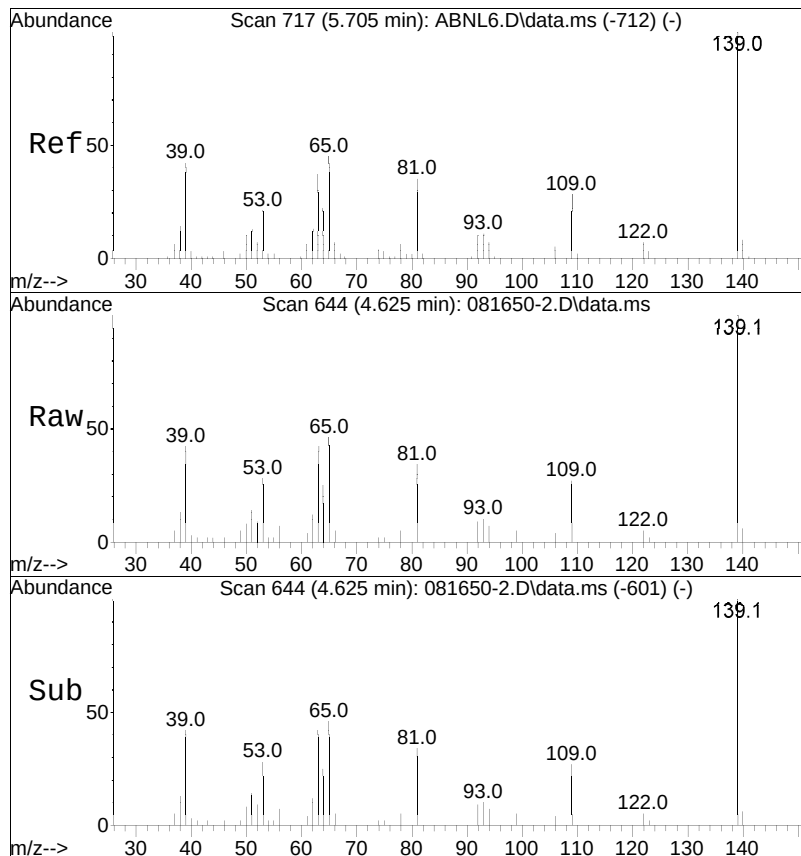




#21
 Isophorone
 Concen: 1.60 ug/ml
 RT: 4.555 min Scan# 632
 Delta R.T. 0.000 min
 Lab File: 081650-2.D
 Acq: 21 Jun 2025 12:59 pm

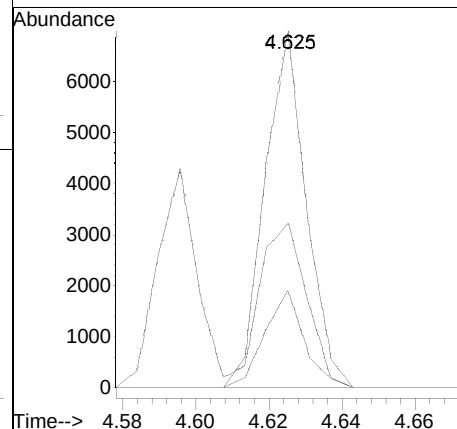
Tgt Ion:	82	Resp:	18886
Ion Ratio	Lower	Upper	
82	100		
138	16.3	13.0	19.4
95	6.1	5.5	8.3

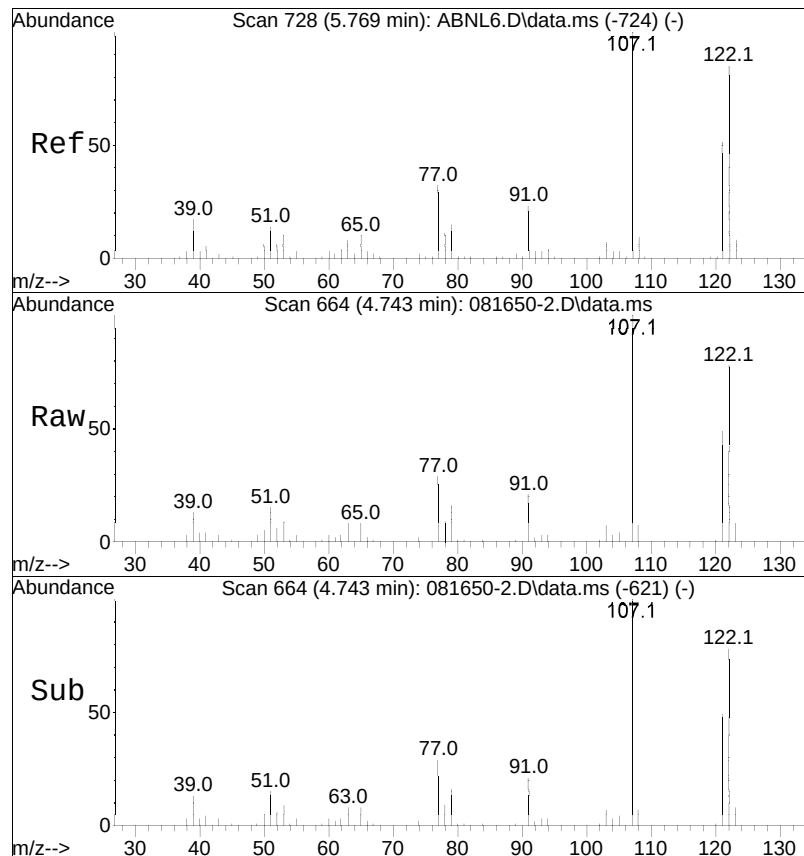




#22
 2-Nitrophenol
 Concen: 1.88 ug/ml
 RT: 4.625 min Scan# 644
 Delta R.T. 0.000 min
 Lab File: 081650-2.D
 Acq: 21 Jun 2025 12:59 pm

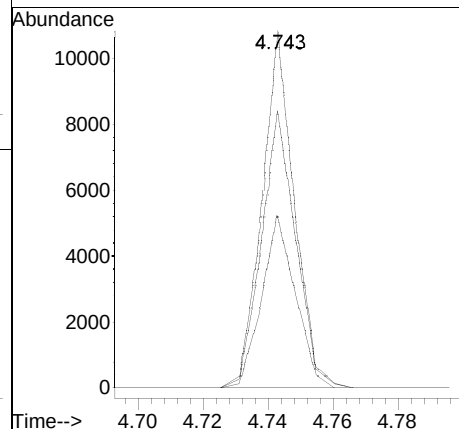
Tgt Ion	Ratio	Lower	Upper
139	100		
109	26.0	23.1	34.7
65	52.8	41.4	62.2

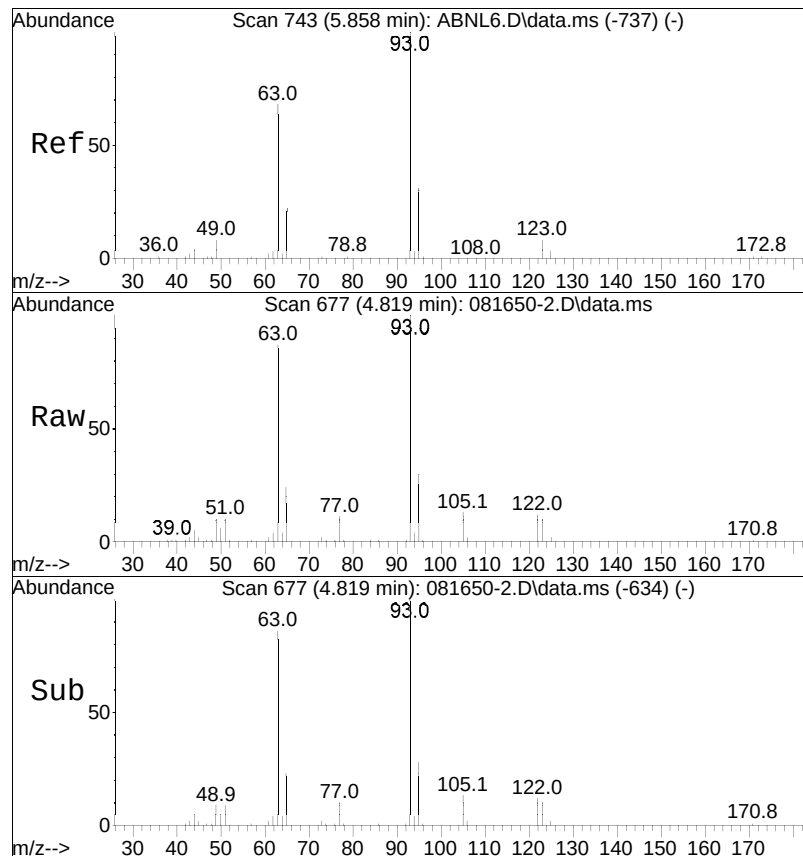




#23
 2,4-Dimethylphenol
 Concen: 1.22 ug/ml
 RT: 4.743 min Scan# 664
 Delta R.T. 0.000 min
 Lab File: 081650-2.D
 Acq: 21 Jun 2025 12:59 pm

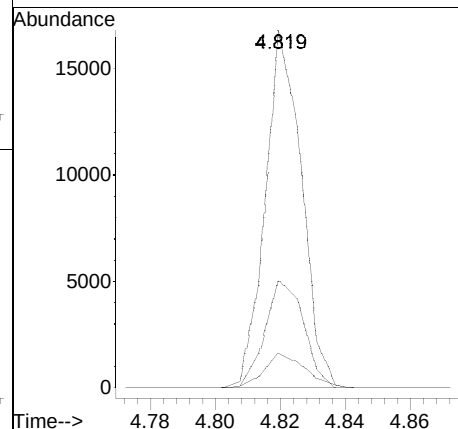
Tgt Ion:	107	Resp:	7408
Ion Ratio	Lower	Upper	
107	100		
121	50.8	41.3	61.9
122	82.3	69.3	103.9

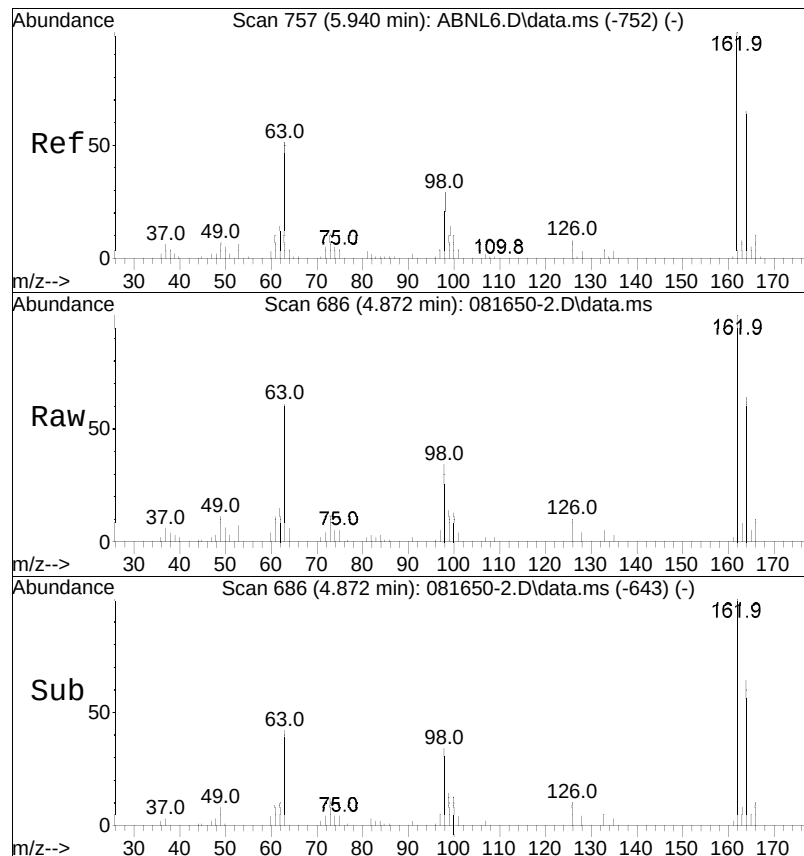




#24
 Bis(2-chloroethoxy)methane
 Concen: 1.62 ug/ml
 RT: 4.819 min Scan# 677
 Delta R.T. 0.000 min
 Lab File: 081650-2.D
 Acq: 21 Jun 2025 12:59 pm

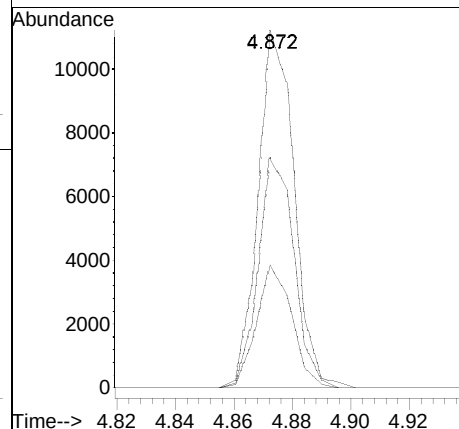
Tgt Ion:	93	Resp:	12879
Ion Ratio	Lower	Upper	
93	100		
95	32.2	25.8	38.8
123	11.2	9.6	14.4

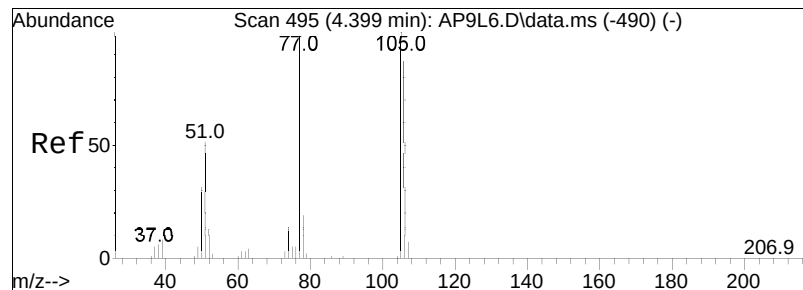




#25
 2,4-Dichlorophenol
 Concen: 1.70 ug/ml
 RT: 4.872 min Scan# 686
 Delta R.T. 0.000 min
 Lab File: 081650-2.D
 Acq: 21 Jun 2025 12:59 pm

Tgt Ion:	162	Resp:	9486
Ion Ratio	Lower	Upper	
162	100		
164	64.2	51.1	76.7
98	33.8	32.2	48.2





#28

Benzaldehyde

Concen: 1.68 ug/ml

RT: 3.261 min Scan# 412

Delta R.T. 0.006 min

Lab File: 081650-2.D

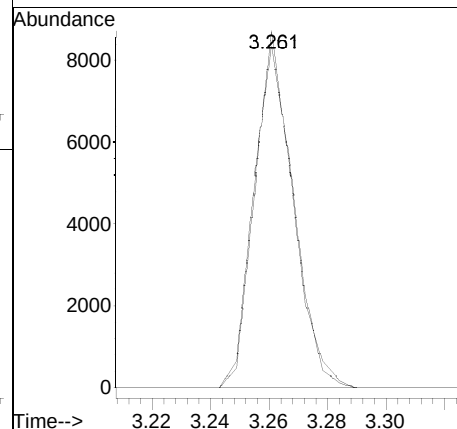
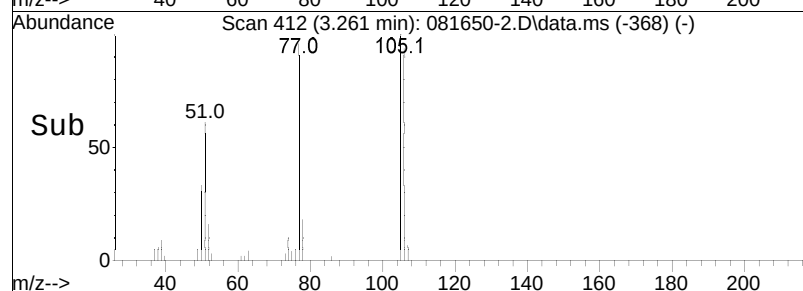
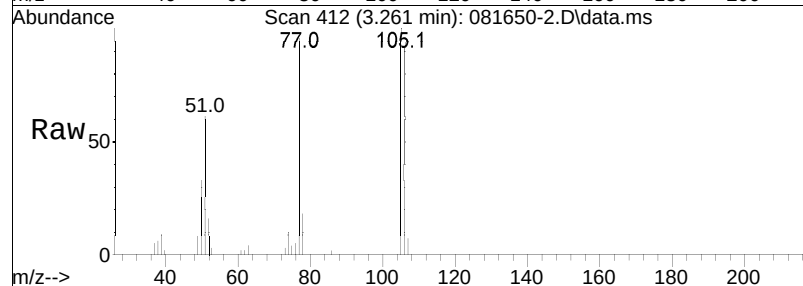
Acq: 21 Jun 2025 12:59 pm

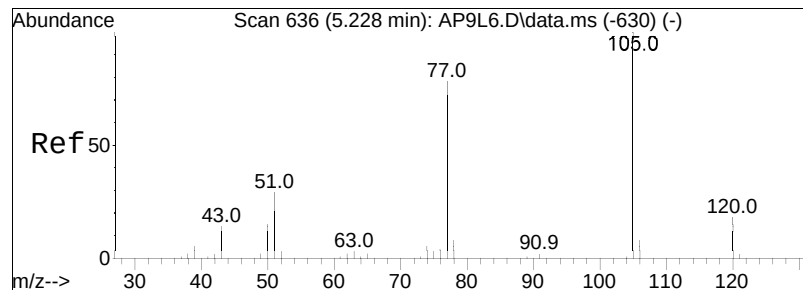
Tgt Ion:105 Resp: 7861

Ion Ratio Lower Upper

105 100

77 100.9 77.0 115.6





#29

Acetophenone

Concen: 1.67 ug/ml M6

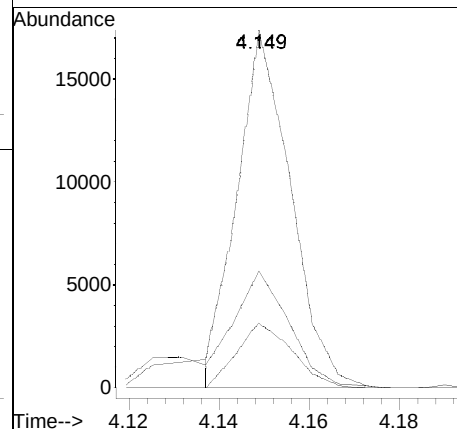
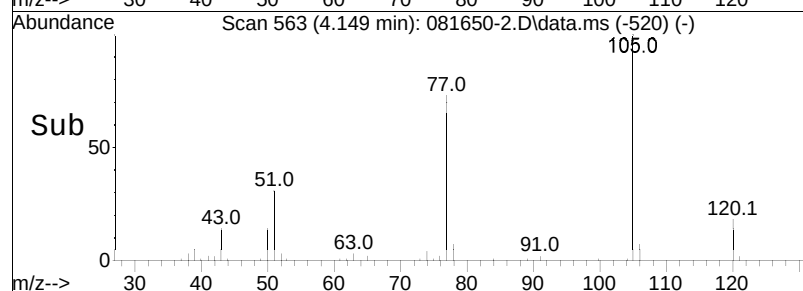
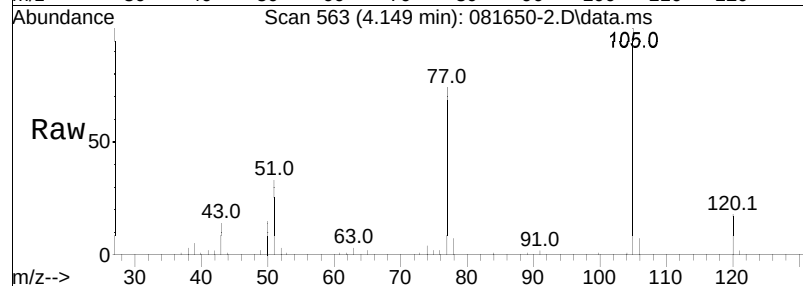
RT: 4.149 min Scan# 563

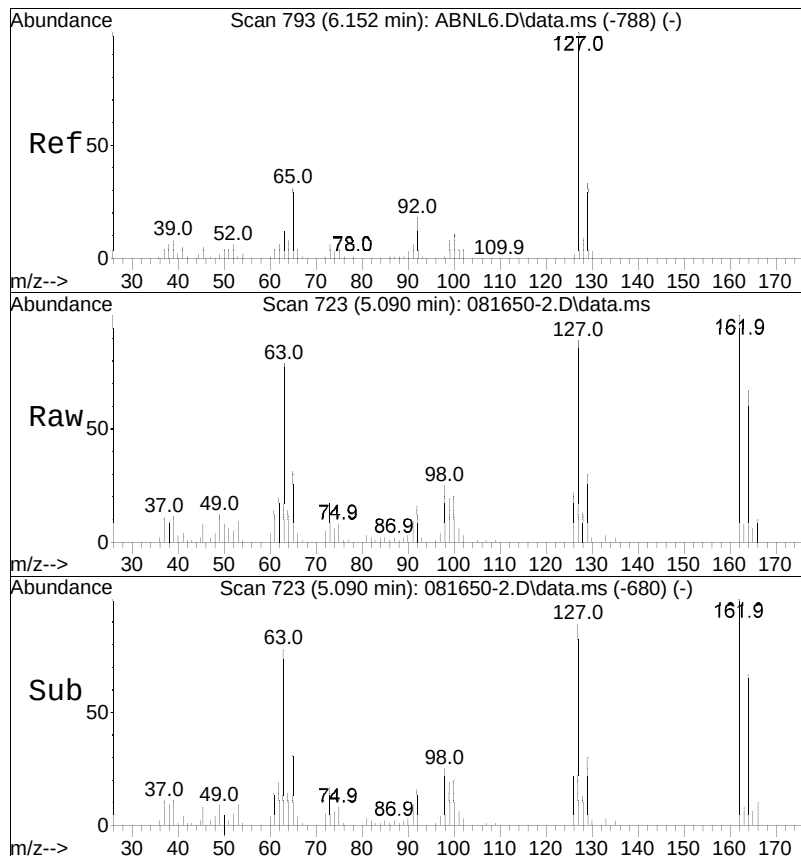
Delta R.T. 0.000 min

Lab File: 081650-2.D

Acq: 21 Jun 2025 12:59 pm

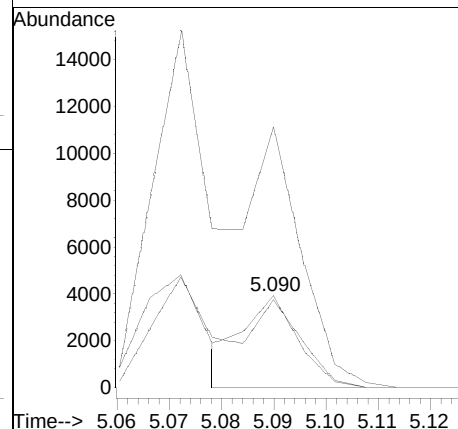
Tgt Ion:	105	Resp:	14191
Ion Ratio	Lower	Upper	
105	100		
120	18.9	15.2	22.8
51	44.7	23.1	34.7#

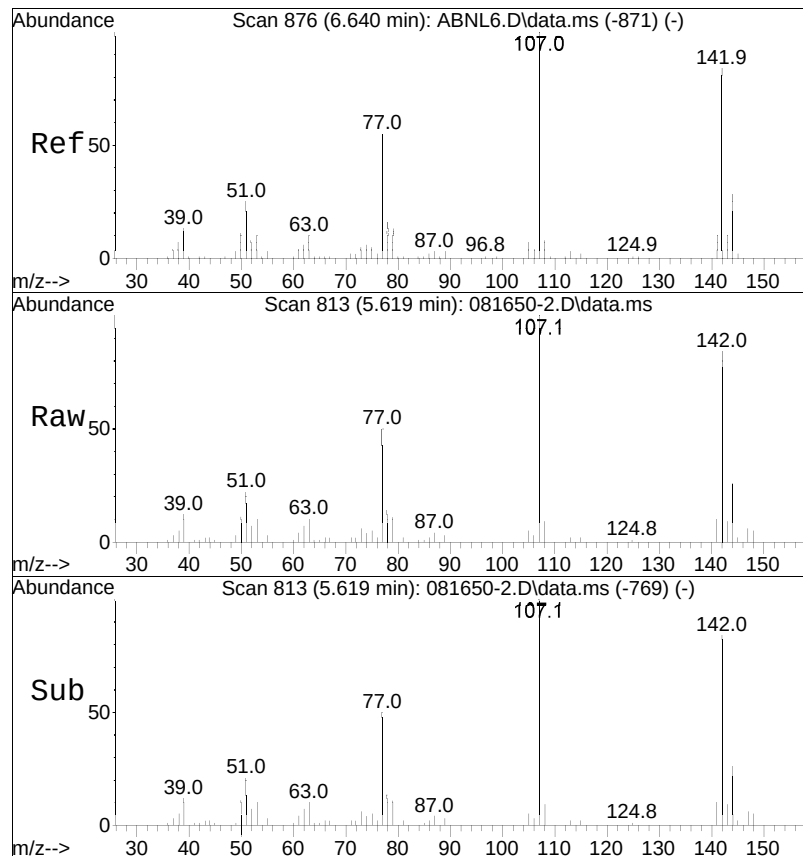




#38
 4-Chloroaniline
 Concen: 1.20 ug/ml M3
 RT: 5.090 min Scan# 723
 Delta R.T. 0.000 min
 Lab File: 081650-2.D
 Acq: 21 Jun 2025 12:59 pm

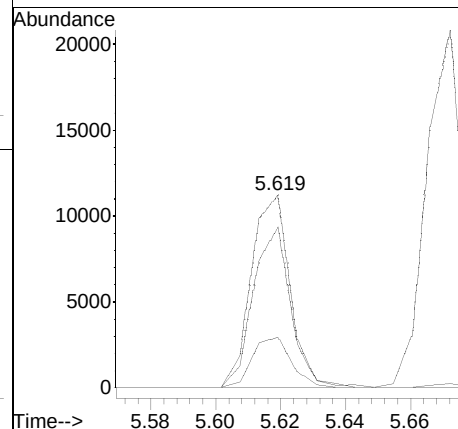
Tgt Ion:	65	Resp:	2852
Ion Ratio	Lower	Upper	
65	100		
127	684.4	266.2	399.4#
129	142.6	85.0	127.4#

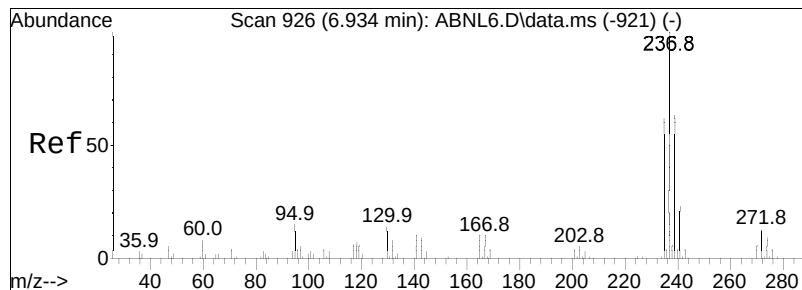




#40
 p-Chloro-m-cresol
 Concen: 1.74 ug/ml
 RT: 5.619 min Scan# 813
 Delta R.T. 0.006 min
 Lab File: 081650-2.D
 Acq: 21 Jun 2025 12:59 pm

Tgt Ion:	107	Resp:	9295
Ion Ratio	Lower	Upper	
107	100		
144	26.2	20.3	30.5
142	80.6	63.8	95.6





#43

Hexachlorocyclopentadiene

Concen: 0.79 ug/ml

RT: 5.849 min Scan# 852

Delta R.T. 0.006 min

Lab File: 081650-2.D

Acq: 21 Jun 2025 12:59 pm

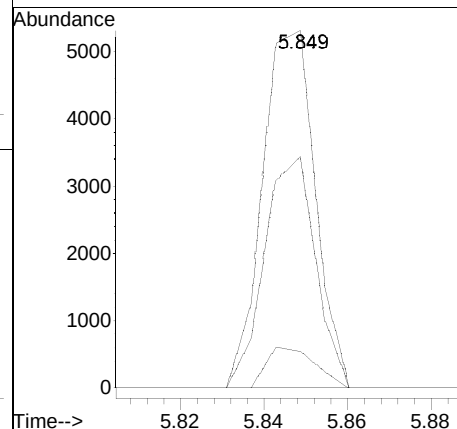
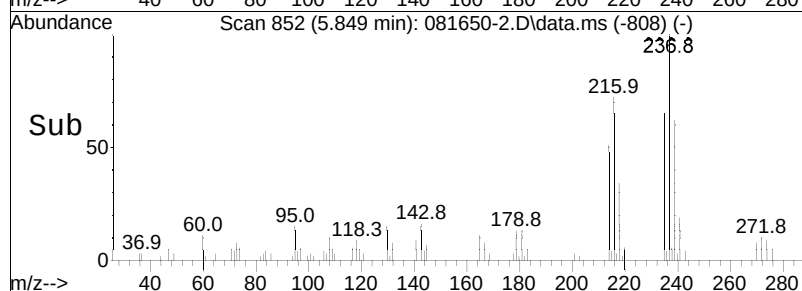
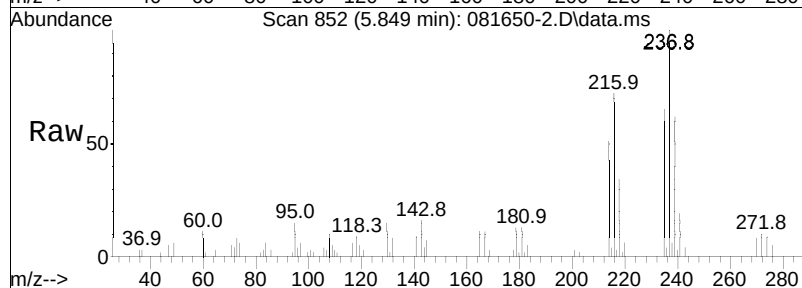
Tgt Ion: 237 Resp: 4644

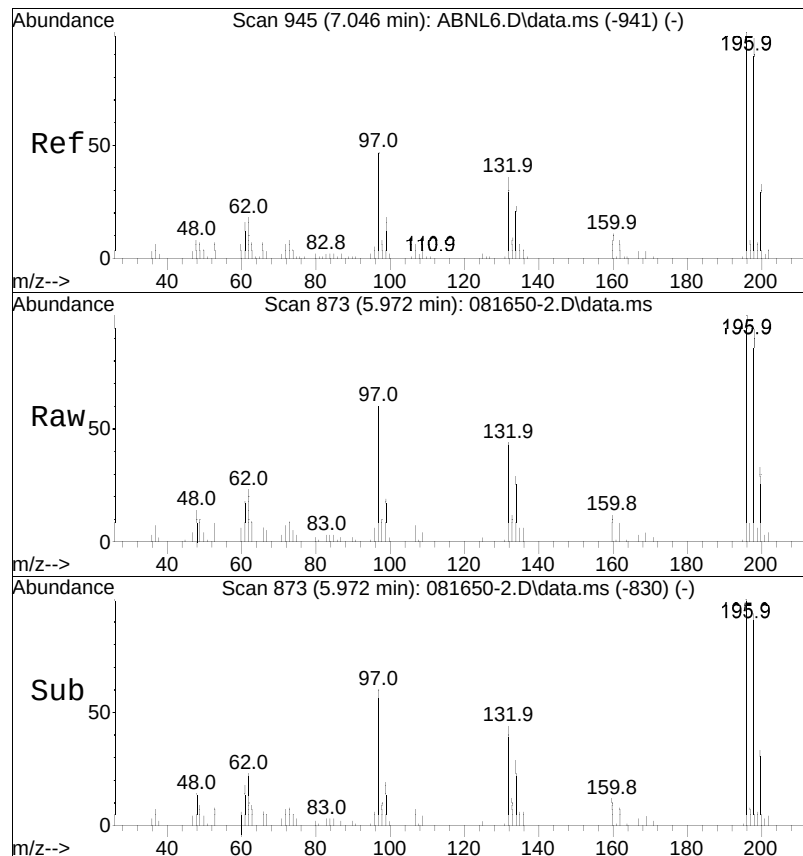
Ion Ratio Lower Upper

237 100

235 62.7 50.9 76.3

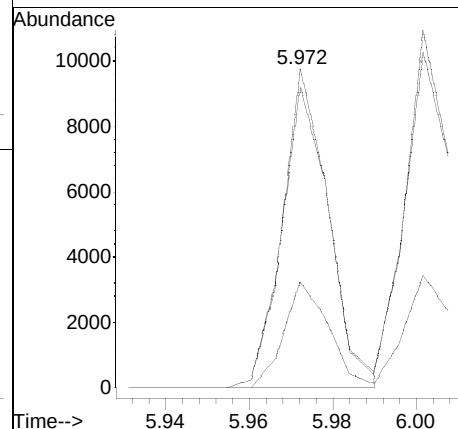
272 0.0 10.1 15.1#

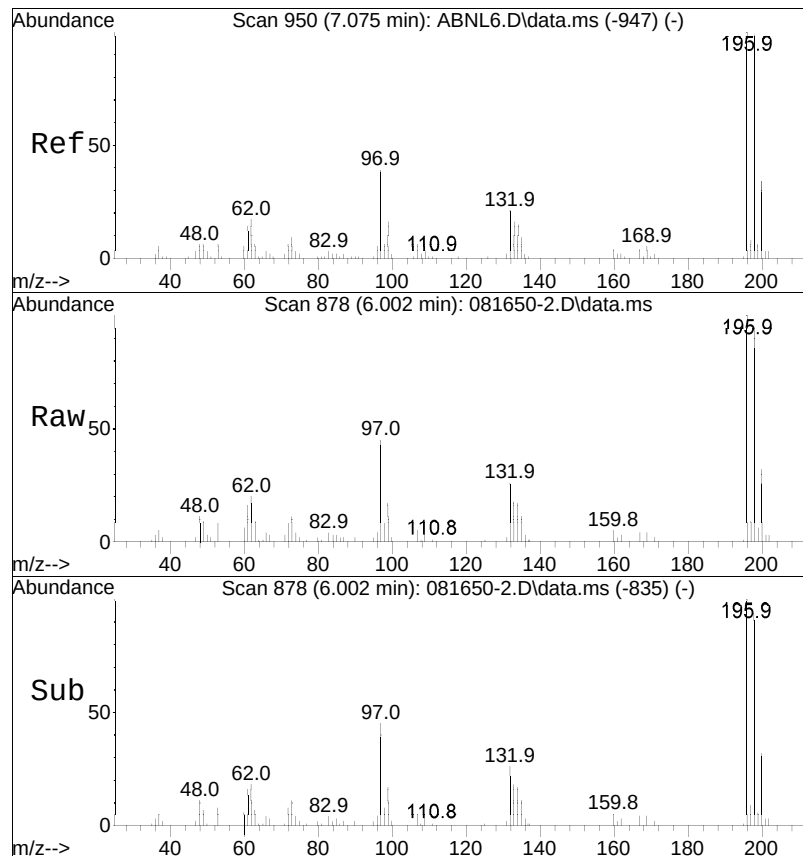




#44
 2,4,6-Trichlorophenol
 Concen: 1.48 ug/ml
 RT: 5.972 min Scan# 873
 Delta R.T. 0.000 min
 Lab File: 081650-2.D
 Acq: 21 Jun 2025 12:59 pm

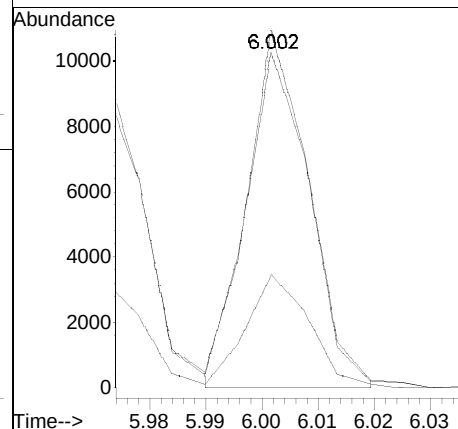
Tgt Ion	Ratio	Lower	Upper
196	100		
198	97.3	76.4	114.6
200	32.6	24.4	36.6

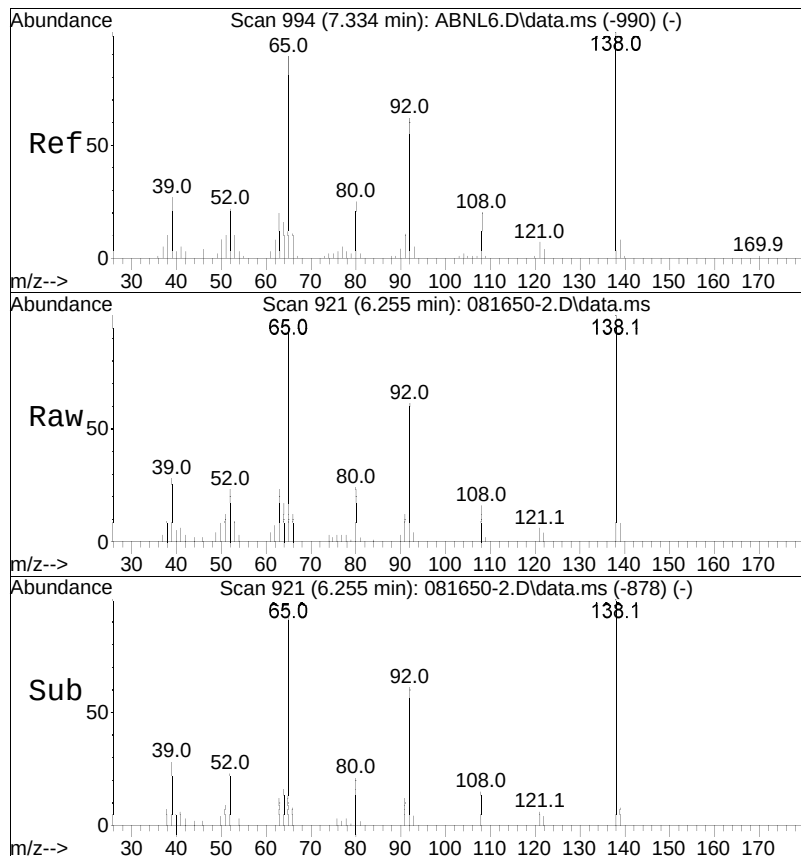




#45
 2,4,5-Trichlorophenol
 Concen: 1.64 ug/ml M3
 RT: 6.002 min Scan# 878
 Delta R.T. 0.000 min
 Lab File: 081650-2.D
 Acq: 21 Jun 2025 12:59 pm

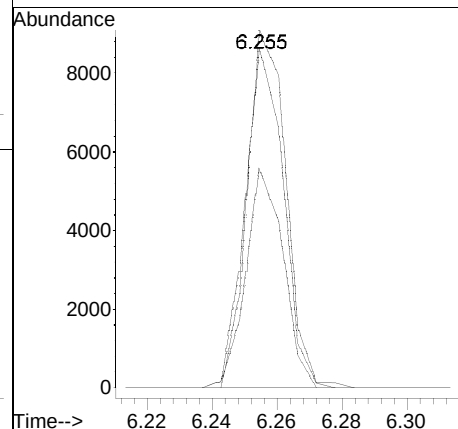
Tgt Ion:	196	Resp:	8345
Ion Ratio	Lower	Upper	
196	100		
200	29.1	24.2	36.4
198	86.9	76.2	114.2

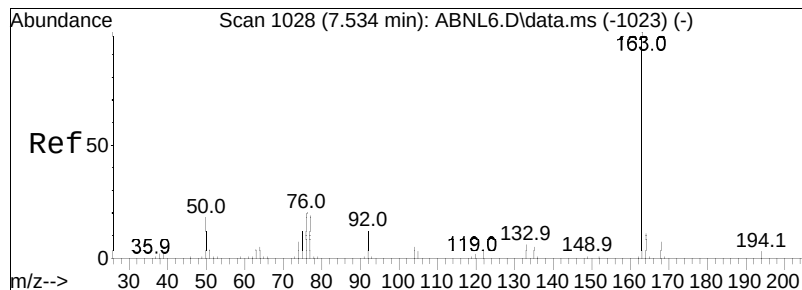




#48
 2-Nitroaniline
 Concen: 1.99 ug/ml
 RT: 6.255 min Scan# 921
 Delta R.T. 0.000 min
 Lab File: 081650-2.D
 Acq: 21 Jun 2025 12:59 pm

Tgt Ion:	138	Resp:	7487
Ion Ratio	Lower	Upper	
138	100		
92	59.3	52.1	78.1
65	93.3	75.9	113.9





#51

Dimethyl phthalate

Concen: 1.53 ug/ml

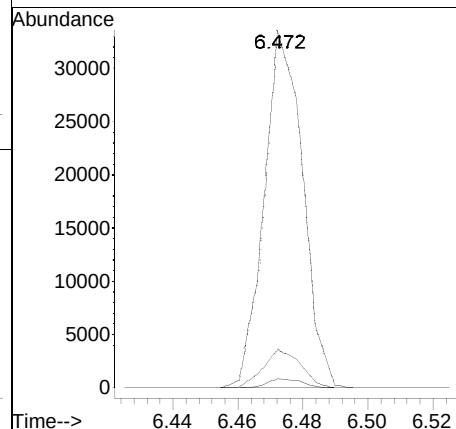
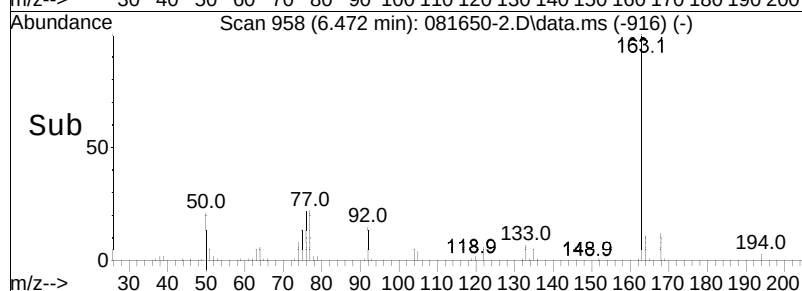
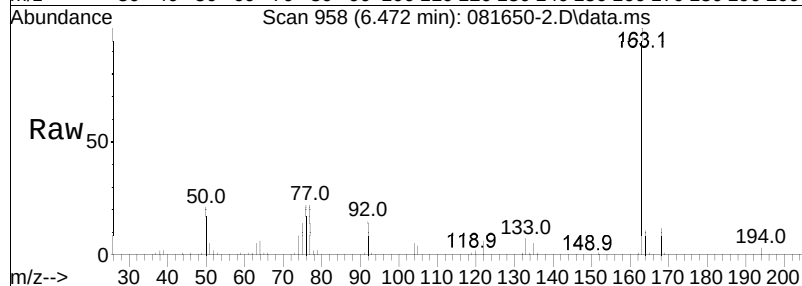
RT: 6.472 min Scan# 958

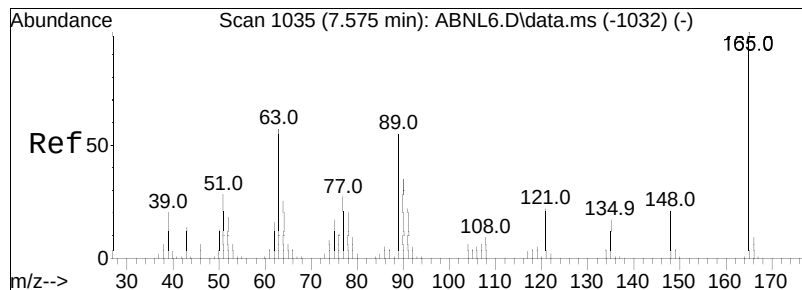
Delta R.T. -0.006 min

Lab File: 081650-2.D

Acq: 21 Jun 2025 12:59 pm

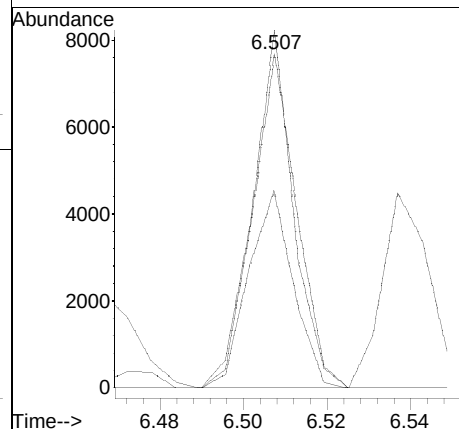
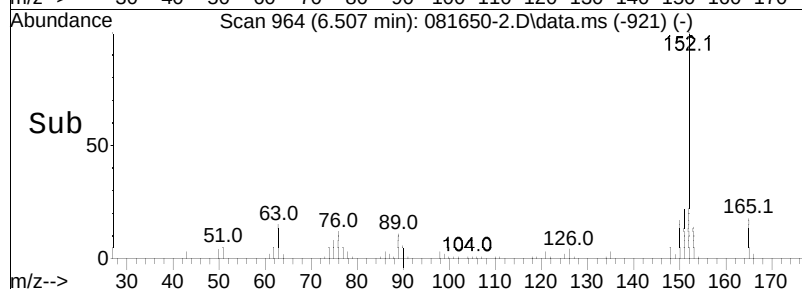
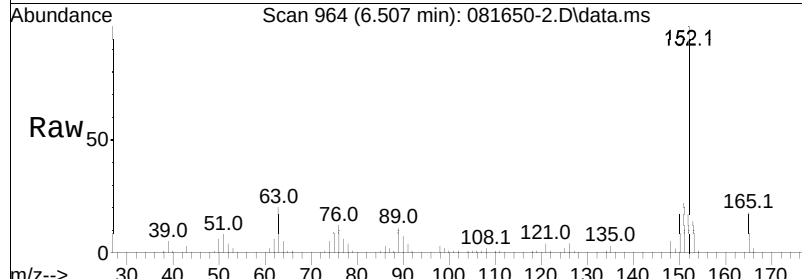
Tgt Ion:	163	Resp:	27335
Ion Ratio	Lower	Upper	
163	100		
194	2.5	2.3	3.5
164	10.7	8.2	12.2

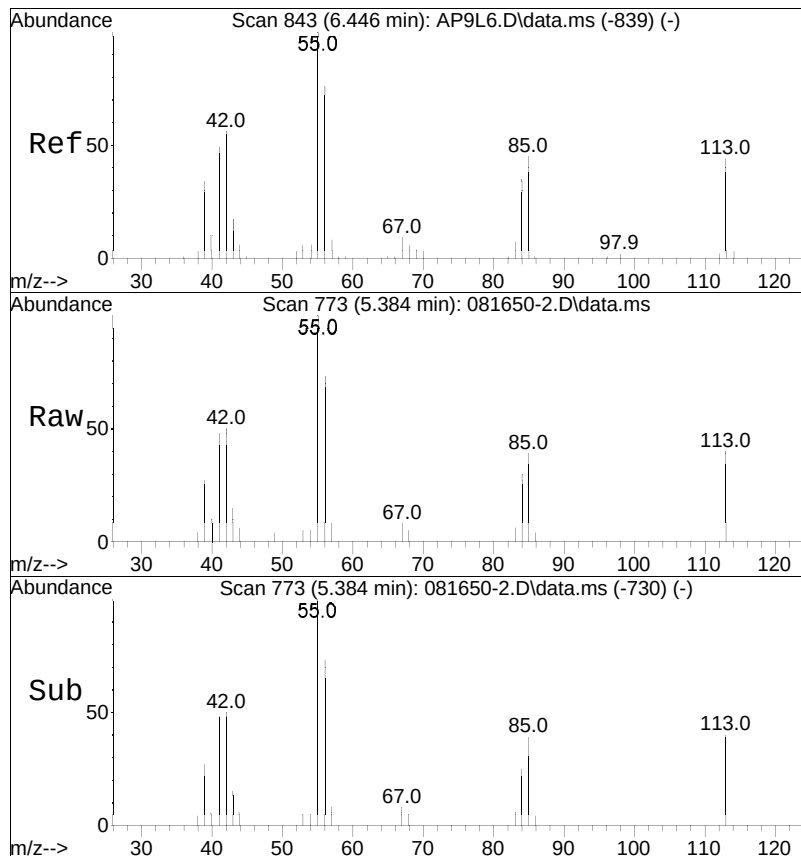




#53
 2,6-Dinitrotoluene
 Concen: 1.71 ug/ml
 RT: 6.507 min Scan# 964
 Delta R.T. 0.000 min
 Lab File: 081650-2.D
 Acq: 21 Jun 2025 12:59 pm

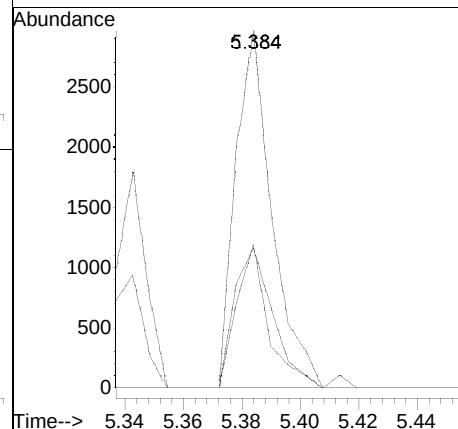
Tgt Ion	Ratio	Lower	Upper
165	100		
89	59.9	48.8	73.2
63	99.5	50.5	75.7#

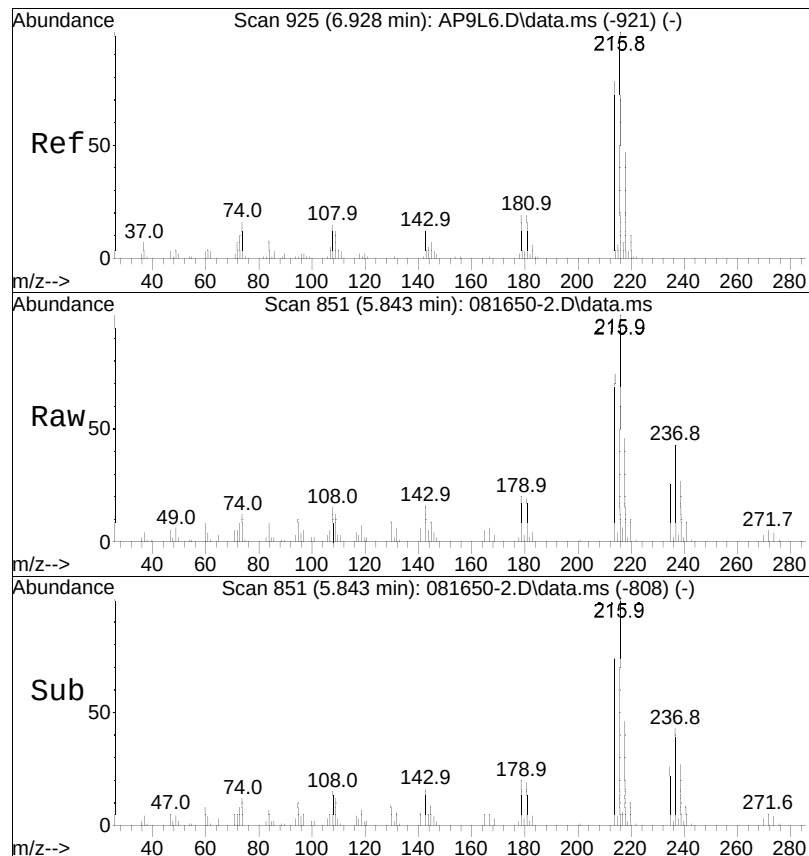




#60
 Caprolactam
 Concen: 1.05 ug/ml
 RT: 5.384 min Scan# 773
 Delta R.T. 0.000 min
 Lab File: 081650-2.D
 Acq: 21 Jun 2025 12:59 pm

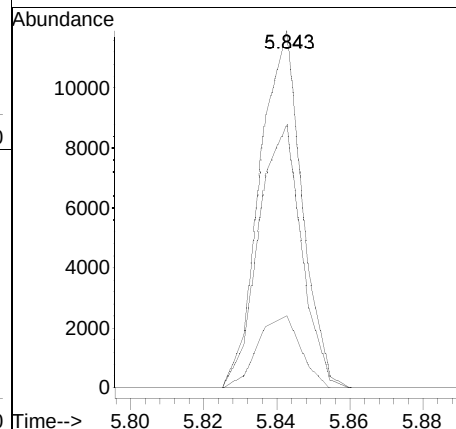
Tgt Ion	Ratio	Lower	Upper
55	100		
85	41.2	35.2	52.8
113	34.5	36.6	55.0#

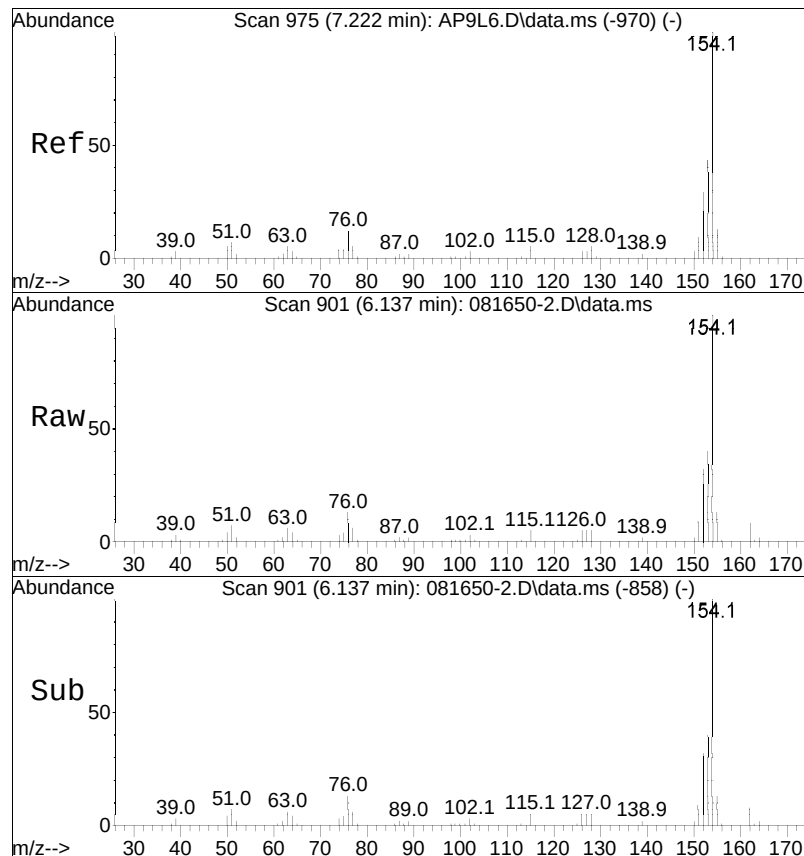




#61
 1,2,4,5-Tetrachlorobenzene
 Concen: 1.16 ug/ml
 RT: 5.843 min Scan# 851
 Delta R.T. 0.000 min
 Lab File: 081650-2.D
 Acq: 21 Jun 2025 12:59 pm

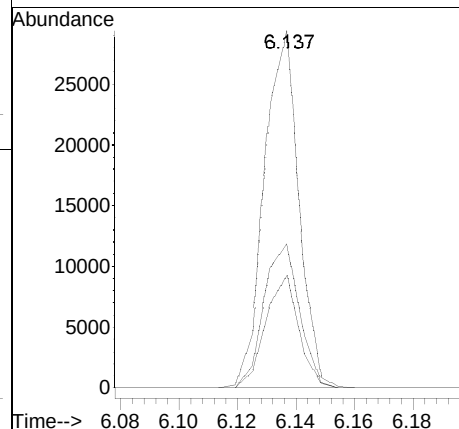
Tgt Ion:	216	Resp:	9505
Ion Ratio	Lower	Upper	
216	100		
214	75.4	64.0	96.0
179	20.7	18.7	28.1

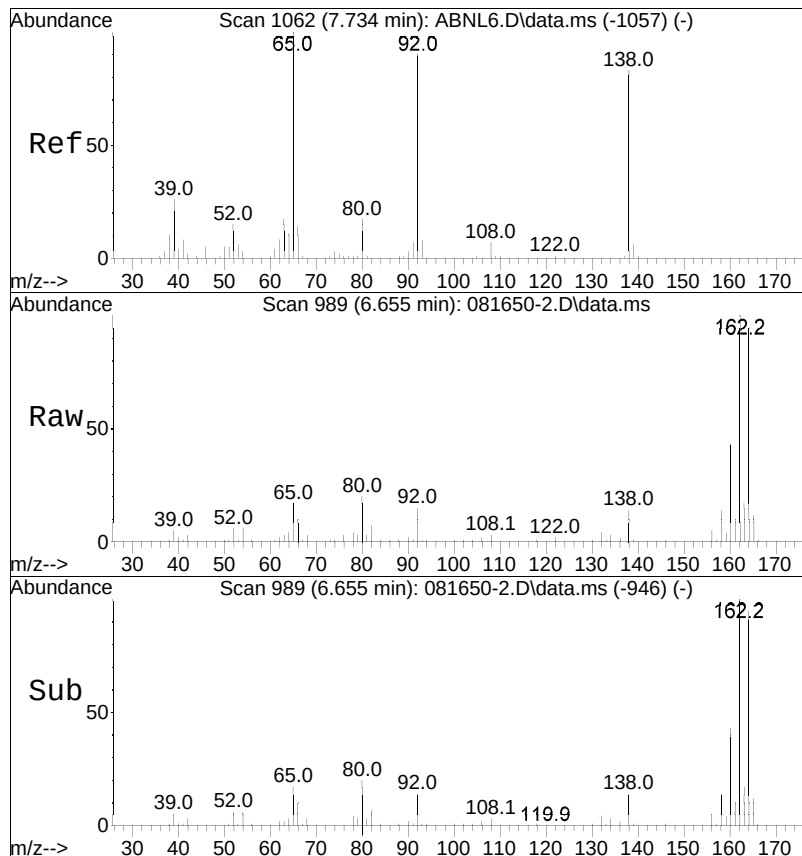




#62
 Biphenyl
 Concen: 1.44 ug/ml
 RT: 6.137 min Scan# 901
 Delta R.T. 0.000 min
 Lab File: 081650-2.D
 Acq: 21 Jun 2025 12:59 pm

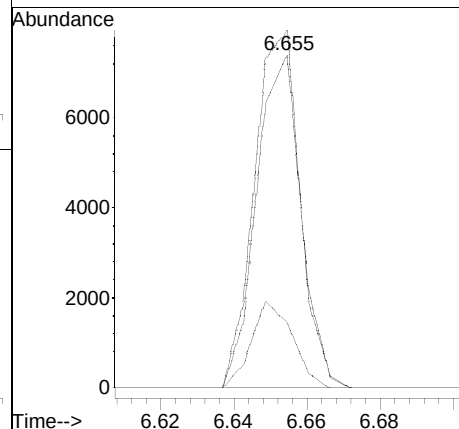
Tgt Ion:	154	Resp:	23886
Ion Ratio	Lower	Upper	
154	100		
153	41.7	32.5	48.7
152	30.4	22.6	34.0

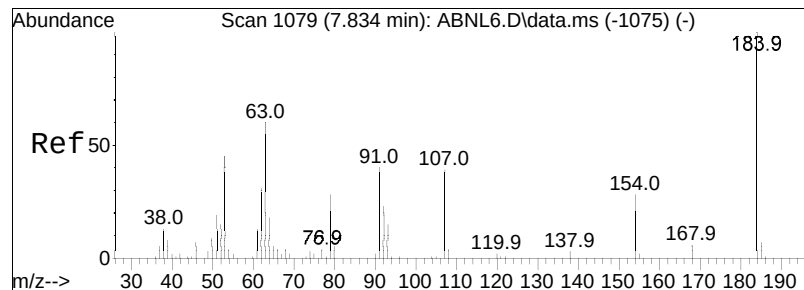




#64
 3-Nitroaniline
 Concen: 1.71 ug/ml
 RT: 6.655 min Scan# 989
 Delta R.T. 0.000 min
 Lab File: 081650-2.D
 Acq: 21 Jun 2025 12:59 pm

Tgt Ion:	138	Resp:	6192
Ion Ratio	Lower	Upper	
138	100		
92	109.8	92.8	139.2
108	24.1	7.9	11.9#





#66

2,4-Dinitrophenol

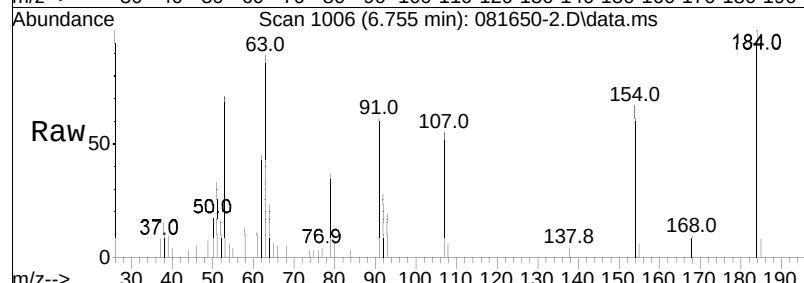
Concen: 1.54 ug/ml

RT: 6.755 min Scan# 1006

Delta R.T. 0.000 min

Lab File: 081650-2.D

Acq: 21 Jun 2025 12:59 pm



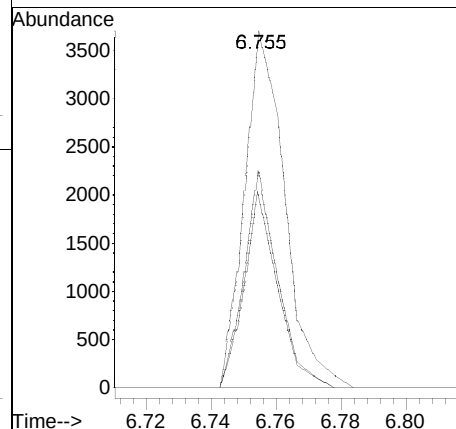
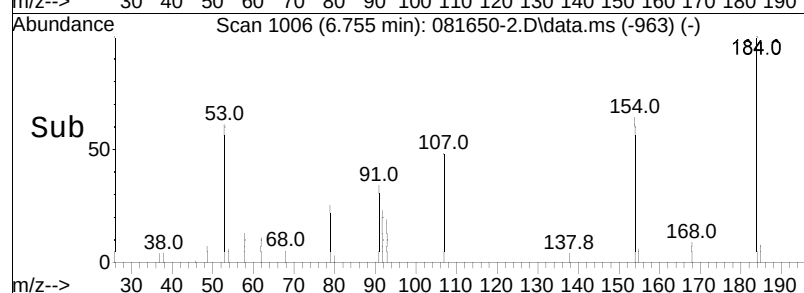
Tgt Ion:184 Resp: 3171

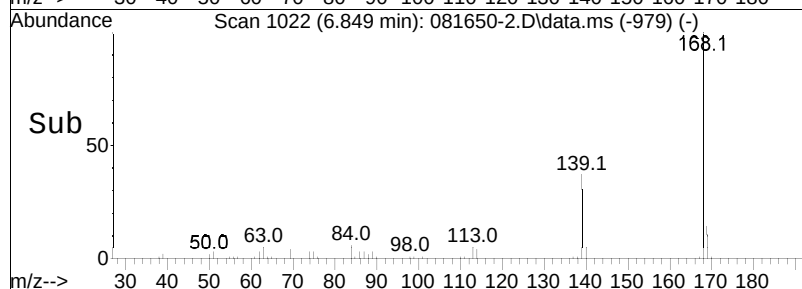
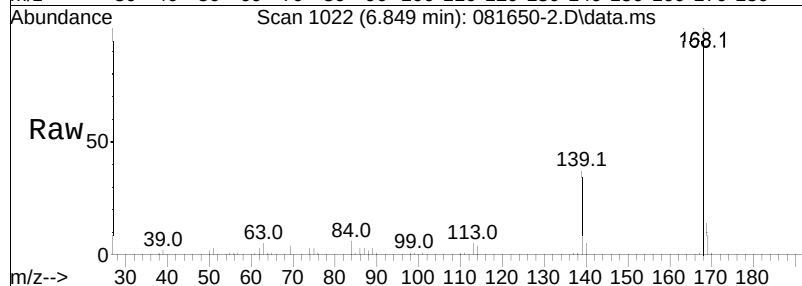
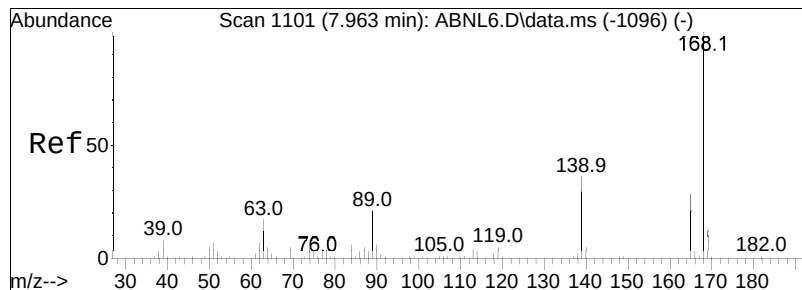
Ion Ratio Lower Upper

184 100

107 45.8 41.8 62.6

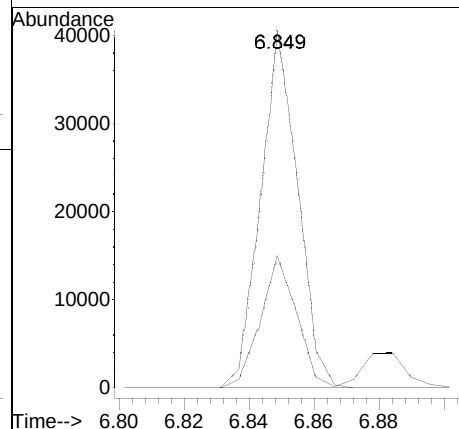
91 50.8 44.2 66.2

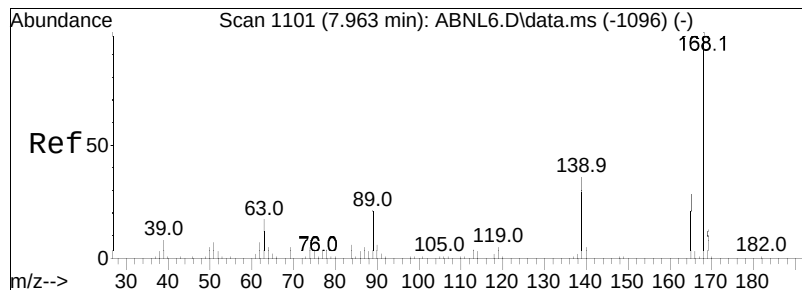




#67
 Dibenzofuran
 Concen: 1.46 ug/ml
 RT: 6.849 min Scan# 1022
 Delta R.T. 0.000 min
 Lab File: 081650-2.D
 Acq: 21 Jun 2025 12:59 pm

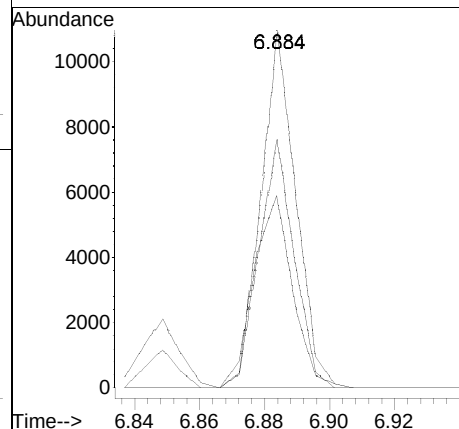
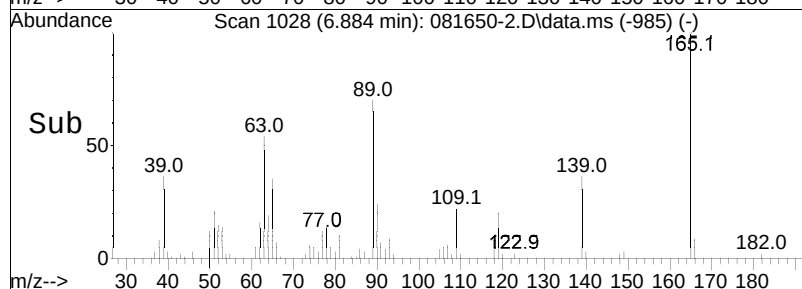
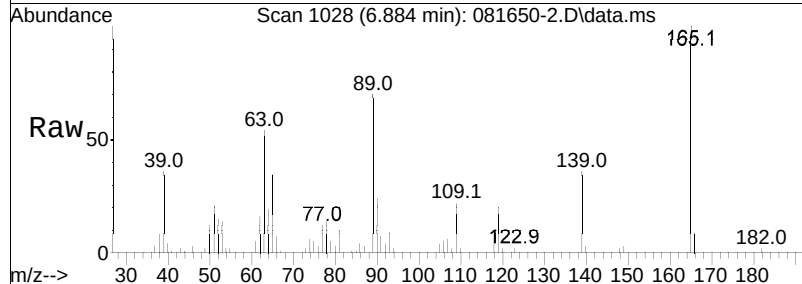
Tgt Ion	Ratio	Lower	Upper
168	100		
139	36.2	32.3	48.5

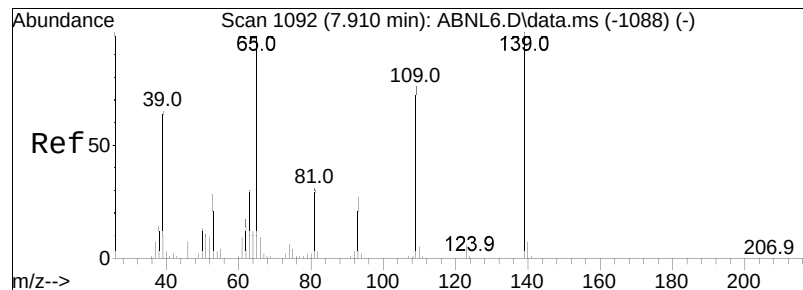




#68
 2,4-Dinitrotoluene
 Concen: 1.72 ug/ml
 RT: 6.884 min Scan# 1028
 Delta R.T. 0.000 min
 Lab File: 081650-2.D
 Acq: 21 Jun 2025 12:59 pm

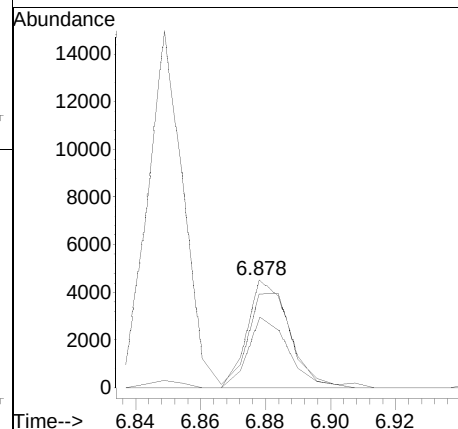
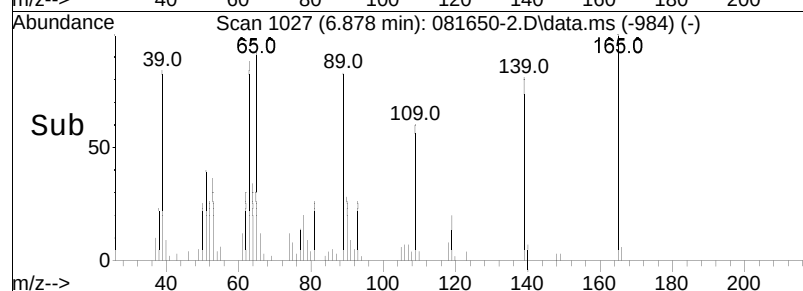
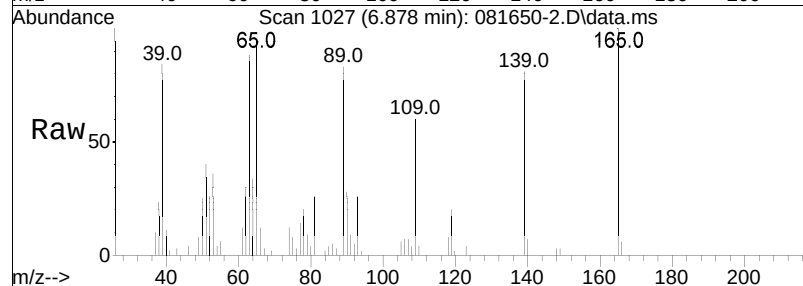
Tgt Ion	Ratio	Lower	Upper
165	100		
89	70.0	73.0	109.4#
63	59.8	56.3	84.5

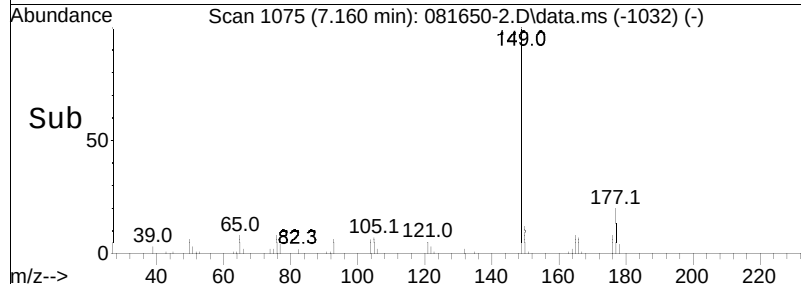
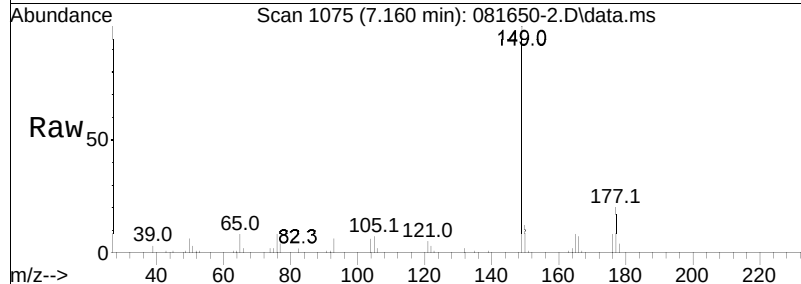
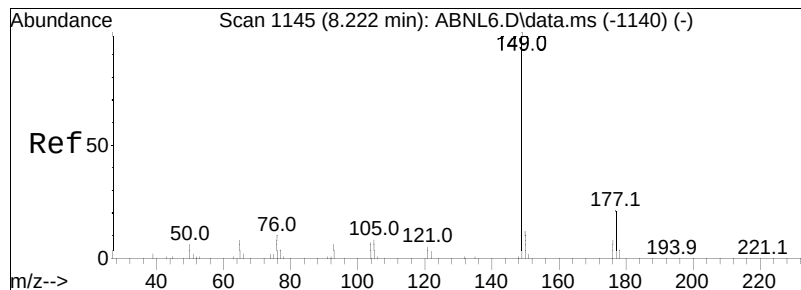




#69
 4-Nitrophenol
 Concen: 1.49 ug/ml
 RT: 6.878 min Scan# 1027
 Delta R.T. 0.000 min
 Lab File: 081650-2.D
 Acq: 21 Jun 2025 12:59 pm

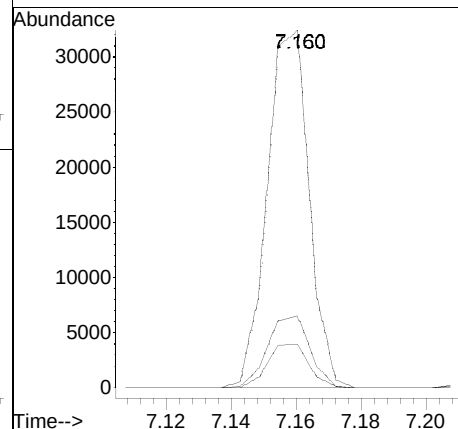
Tgt Ion	Ratio	Lower	Upper
65	100		
109	63.9	60.2	90.2
139	94.5	81.1	121.7

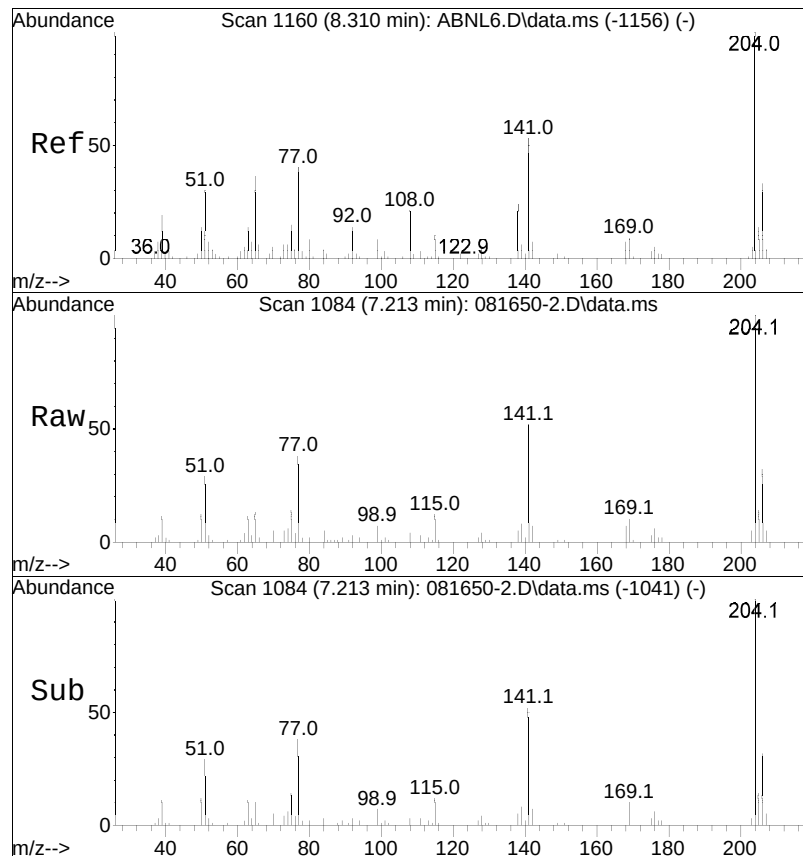




#72
 Diethyl phthalate
 Concen: 1.63 ug/ml
 RT: 7.160 min Scan# 1075
 Delta R.T. 0.000 min
 Lab File: 081650-2.D
 Acq: 21 Jun 2025 12:59 pm

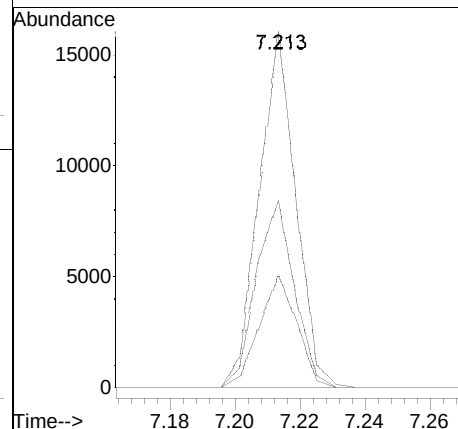
Tgt Ion:	149	Resp:	28634
Ion Ratio	Lower	Upper	
149	100		
177	20.6	15.0	22.6
150	12.3	9.8	14.6

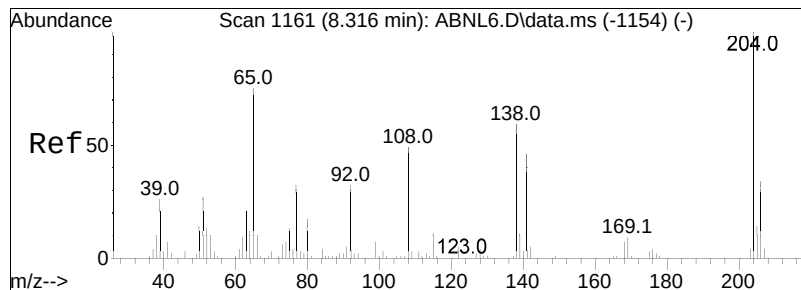




#74
 4-Chlorophenyl phenyl ether
 Concen: 1.38 ug/ml
 RT: 7.213 min Scan# 1084
 Delta R.T. 0.000 min
 Lab File: 081650-2.D
 Acq: 21 Jun 2025 12:59 pm

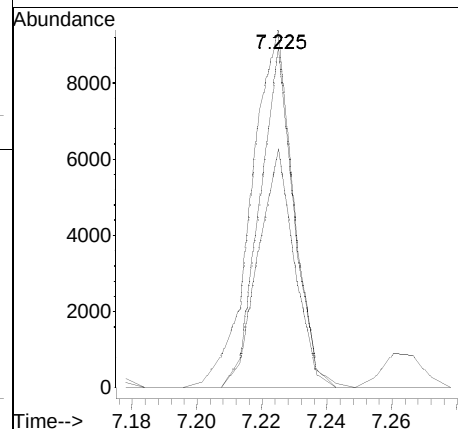
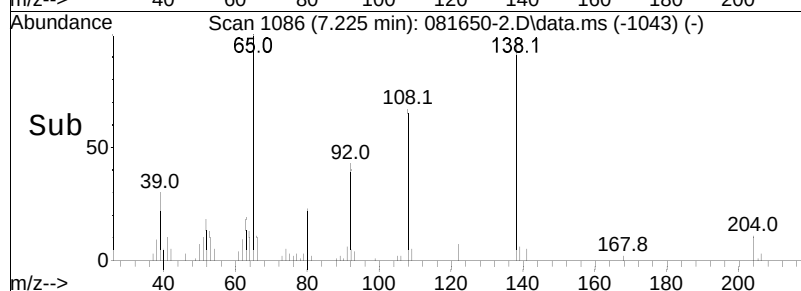
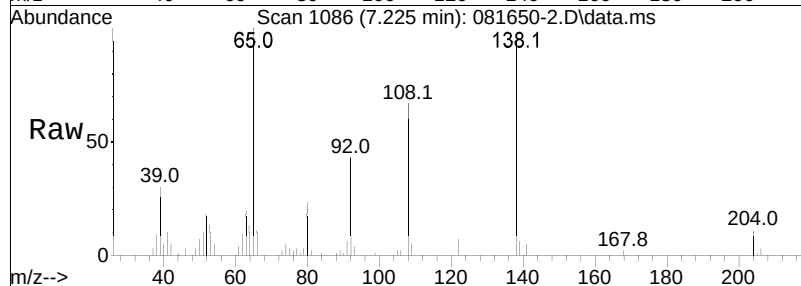
Tgt Ion:	204	Resp:	12414
Ion Ratio	Lower	Upper	
204	100		
206	32.7	26.3	39.5
141	55.1	58.4	87.6#

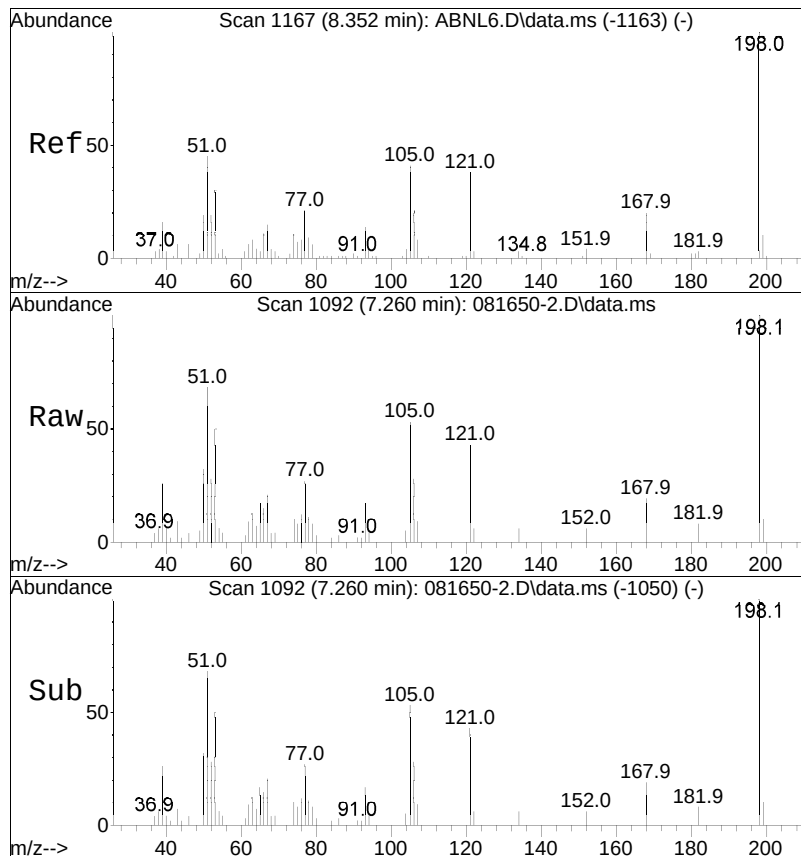




#75
 4-Nitroaniline
 Concen: 1.72 ug/ml
 RT: 7.225 min Scan# 1086
 Delta R.T. 0.000 min
 Lab File: 081650-2.D
 Acq: 21 Jun 2025 12:59 pm

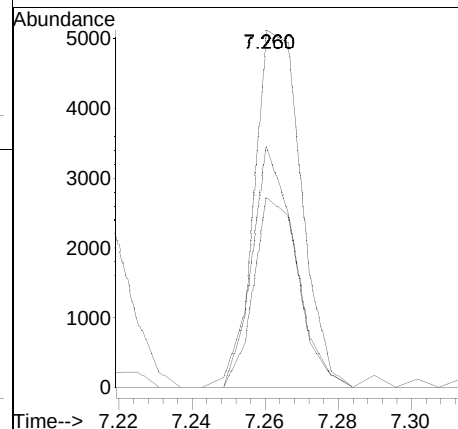
Tgt Ion	Ratio	Lower	Upper
138	100		
108	73.8	59.2	88.8
65	128.8	97.6	146.4

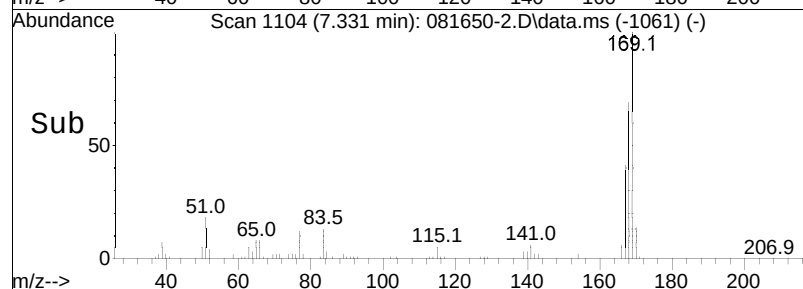
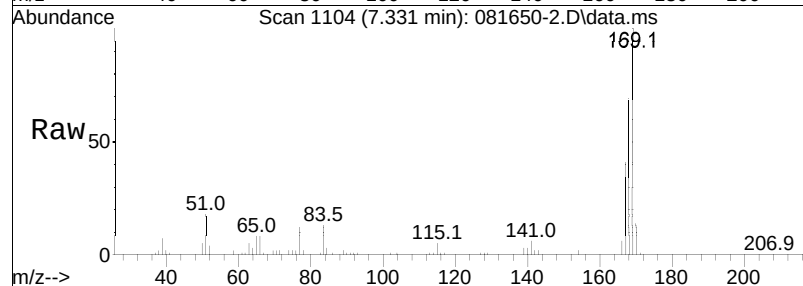
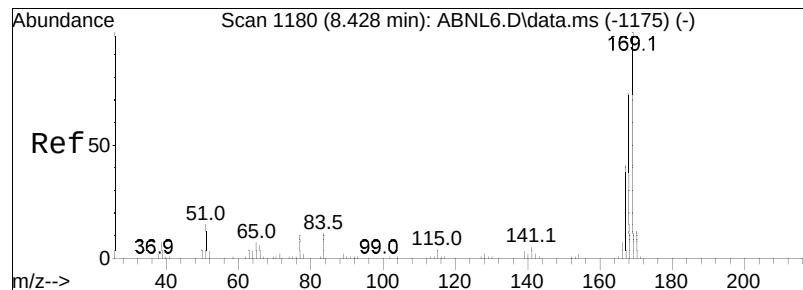




#76
 4,6-Dinitro-o-cresol
 Concen: 1.65 ug/ml
 RT: 7.260 min Scan# 1092
 Delta R.T. -0.006 min
 Lab File: 081650-2.D
 Acq: 21 Jun 2025 12:59 pm

Tgt Ion:	198	Resp:	4549
Ion Ratio	Lower	Upper	
198	100		
51	62.8	49.9	74.9
105	51.8	45.8	68.6





#77

NDPA/DPA

Concen: 1.30 ug/ml

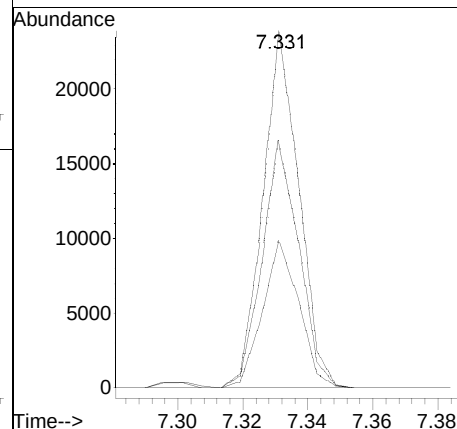
RT: 7.331 min Scan# 1104

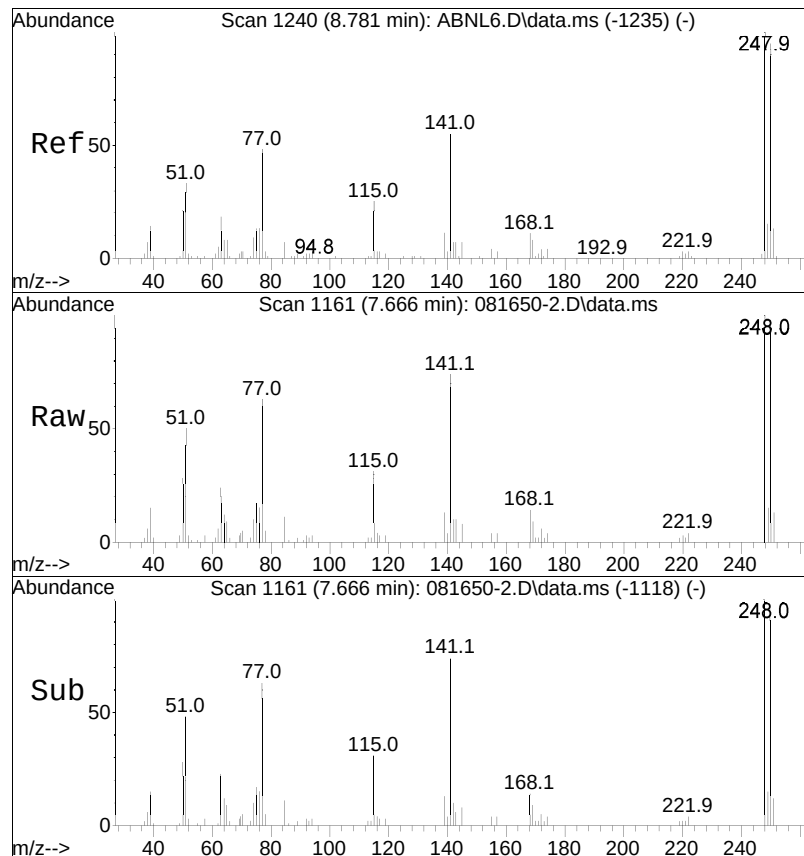
Delta R.T. 0.000 min

Lab File: 081650-2.D

Acq: 21 Jun 2025 12:59 pm

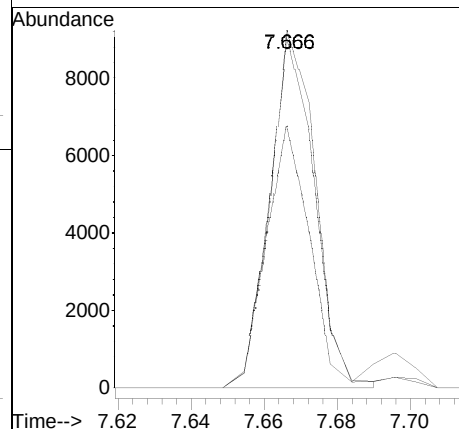
Tgt Ion:	169	Resp:	18214
Ion Ratio	Lower	Upper	
169	100		
168	70.9	55.2	82.8
167	41.9	30.4	45.6

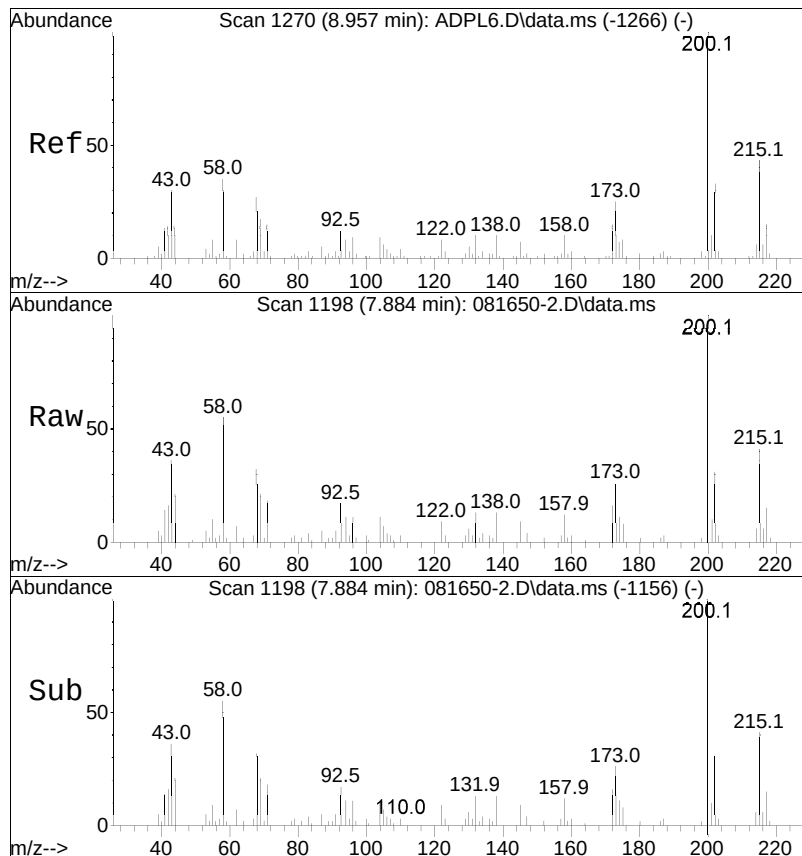




#80
 4-Bromophenyl phenyl ether
 Concen: 1.35 ug/ml
 RT: 7.666 min Scan# 1161
 Delta R.T. 0.000 min
 Lab File: 081650-2.D
 Acq: 21 Jun 2025 12:59 pm

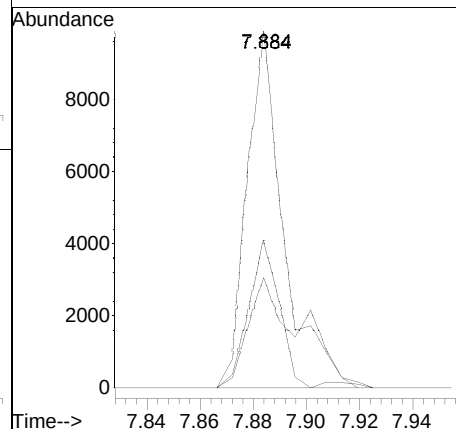
Tgt Ion:	248	Resp:	7907
Ion Ratio	Lower	Upper	
248	100		
141	70.6	74.6	111.8#
250	97.2	76.9	115.3

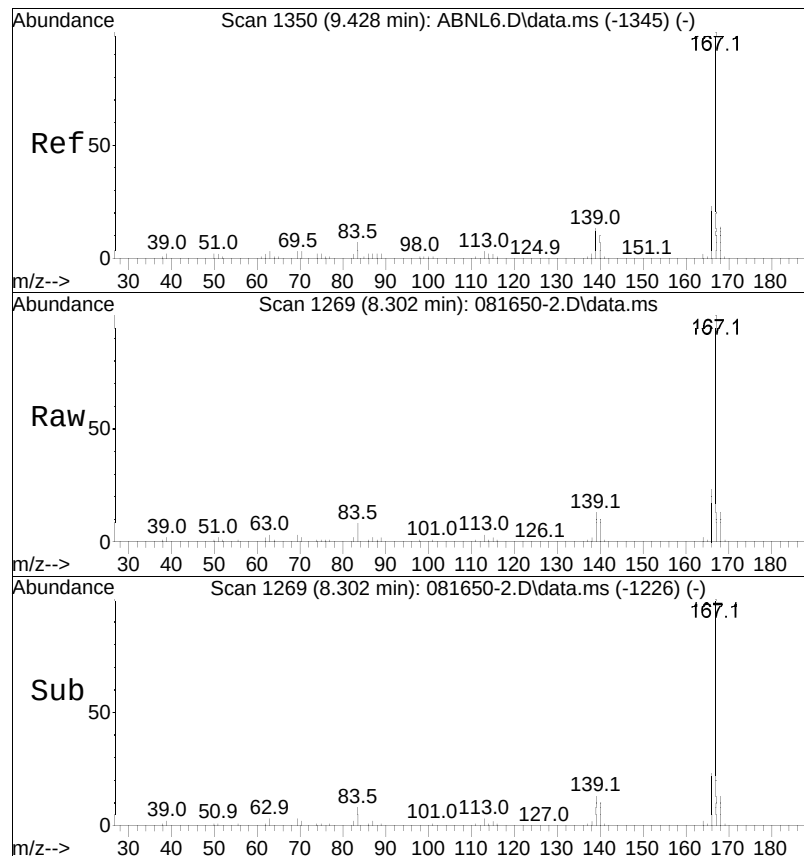




#87
 Atrazine
 Concen: 1.69 ug/ml
 RT: 7.884 min Scan# 1198
 Delta R.T. -0.000 min
 Lab File: 081650-2.D
 Acq: 21 Jun 2025 12:59 pm

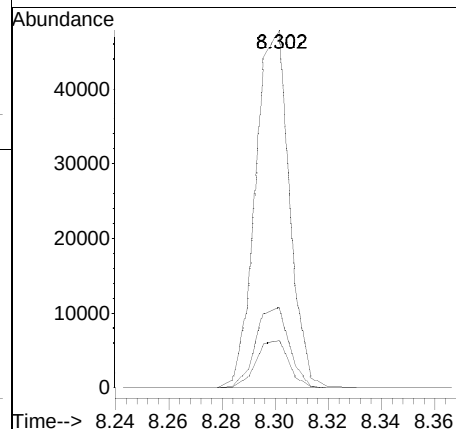
Tgt	Ion:200	Resp:	9366
Ion	Ratio	Lower	Upper
200	100		
202	45.0	25.0	37.6#
215	34.8	34.5	51.7

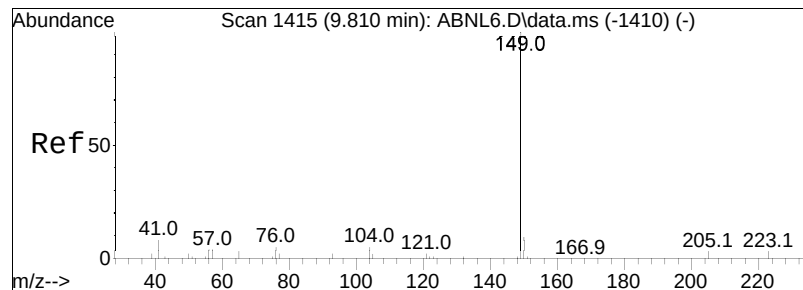




#91
 Carbazole
 Concen: 1.76 ug/ml
 RT: 8.302 min Scan# 1269
 Delta R.T. 0.000 min
 Lab File: 081650-2.D
 Acq: 21 Jun 2025 12:59 pm

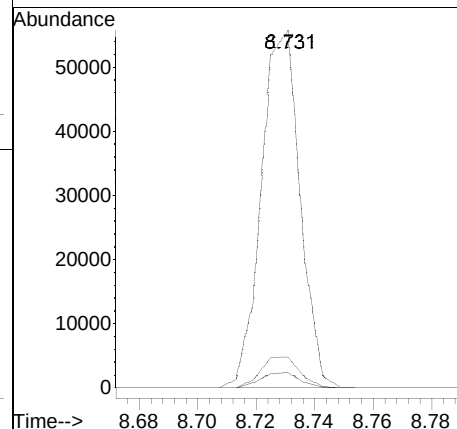
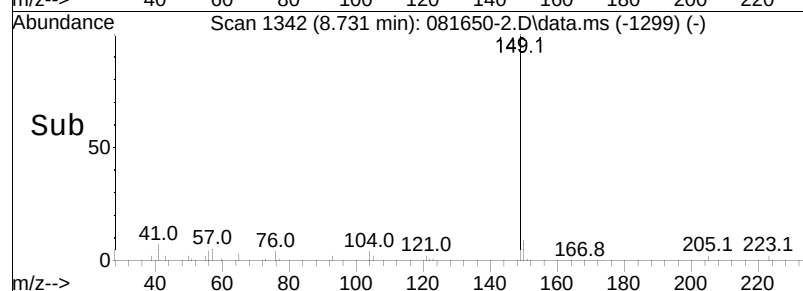
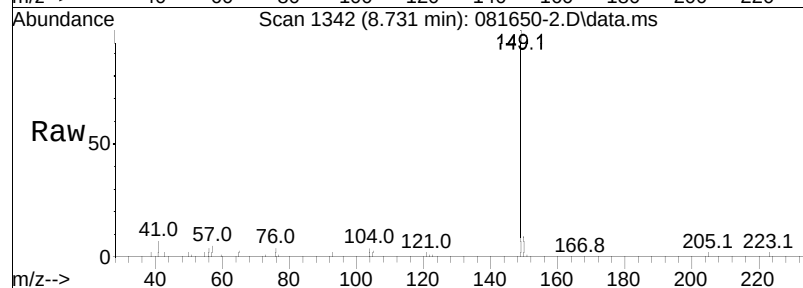
Tgt Ion	Ratio	Lower	Upper
167	100		
168	13.0	10.8	16.2
166	22.4	17.7	26.5

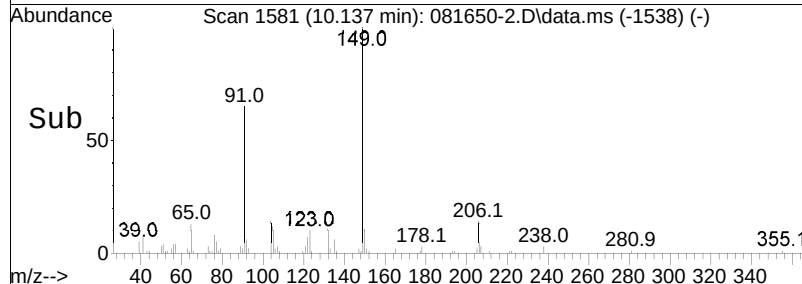
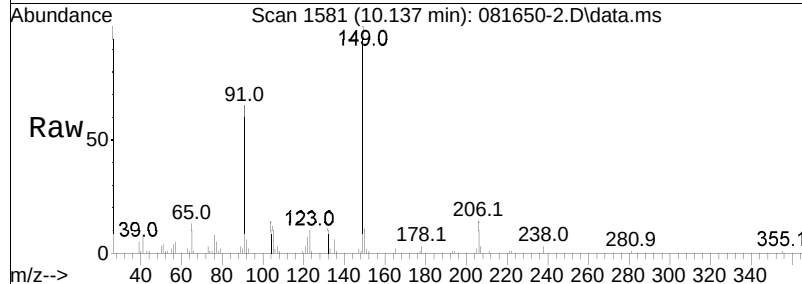
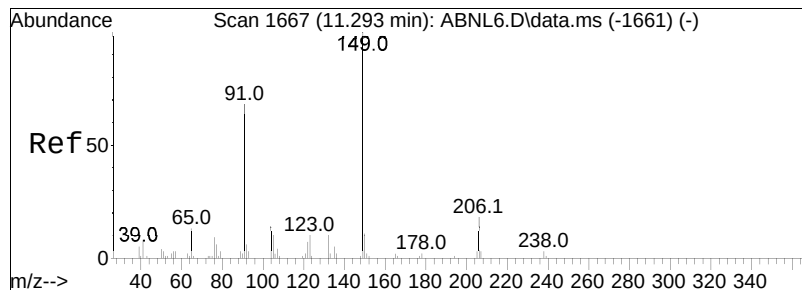




#92
 Di-n-butylphthalate
 Concen: 1.89 ug/ml
 RT: 8.731 min Scan# 1342
 Delta R.T. 0.000 min
 Lab File: 081650-2.D
 Acq: 21 Jun 2025 12:59 pm

Tgt Ion	Ratio	Lower	Upper
149	100		
150	8.8	7.3	10.9
104	4.5	4.0	6.0





#97

Butyl benzyl phthalate

Concen: 2.10 ug/ml

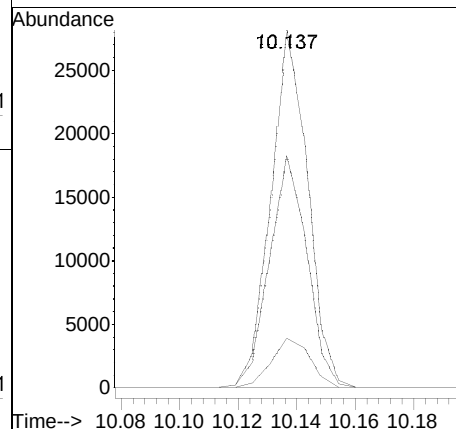
RT: 10.137 min Scan# 1581

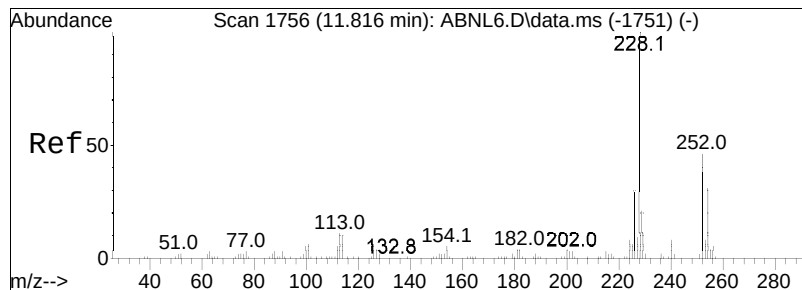
Delta R.T. 0.000 min

Lab File: 081650-2.D

Acq: 21 Jun 2025 12:59 pm

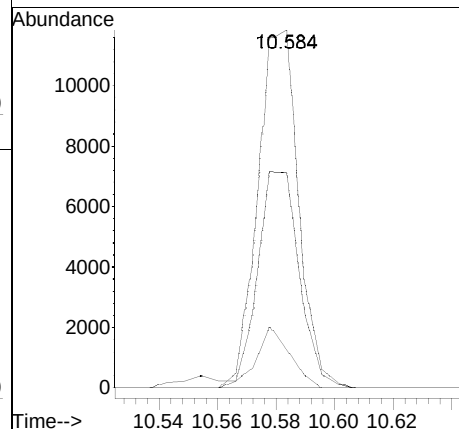
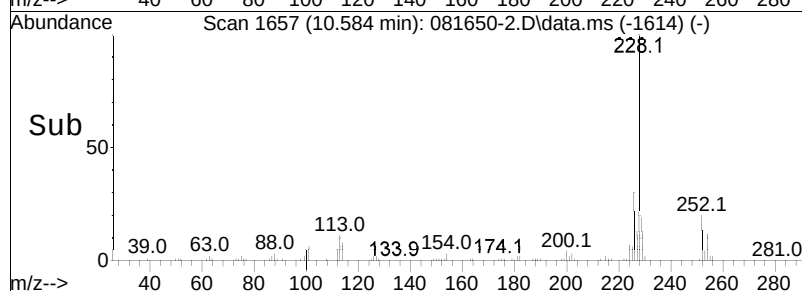
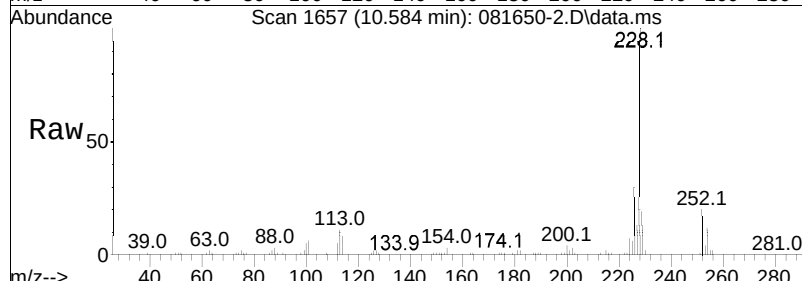
Tgt Ion:	149	Resp:	24388
Ion Ratio	Lower	Upper	
149	100		
91	66.3	57.9	86.9
206	14.6	11.9	17.9

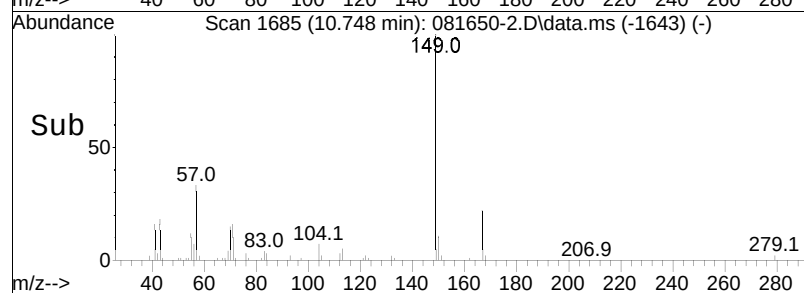
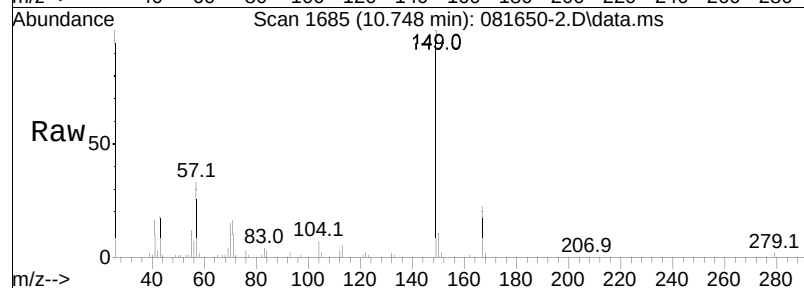
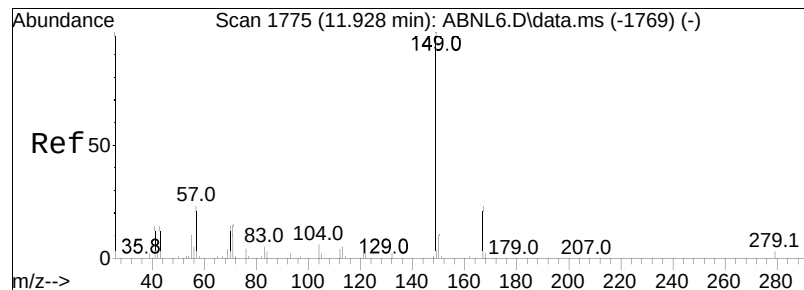




#106
 3,3'-Dichlorobenzidine
 Concen: 0.94 ug/ml
 RT: 10.584 min Scan# 1657
 Delta R.T. 0.000 min
 Lab File: 081650-2.D
 Acq: 21 Jun 2025 12:59 pm

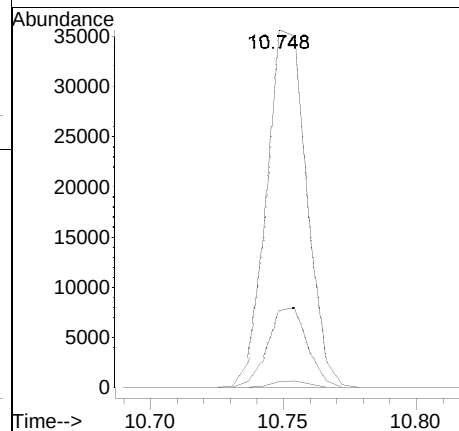
Tgt Ion	Ratio	Lower	Upper
252	100		
126	17.5	12.6	19.0
254	61.8	51.1	76.7

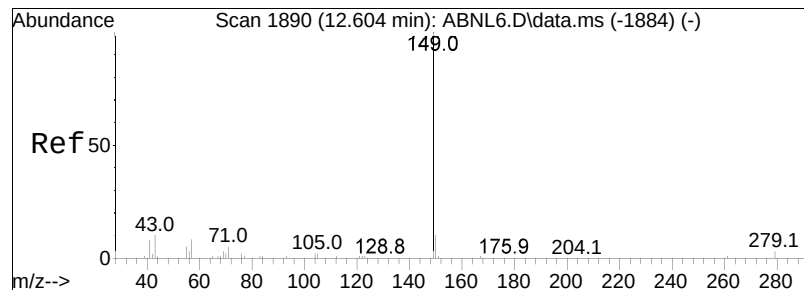




#108
 Bis(2-ethylhexyl)phthalate
 Concen: 2.20 ug/ml
 RT: 10.748 min Scan# 1685
 Delta R.T. -0.006 min
 Lab File: 081650-2.D
 Acq: 21 Jun 2025 12:59 pm

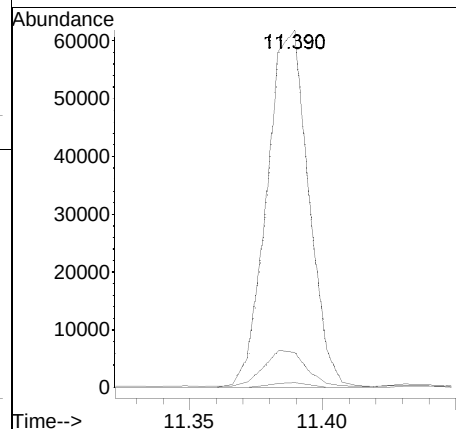
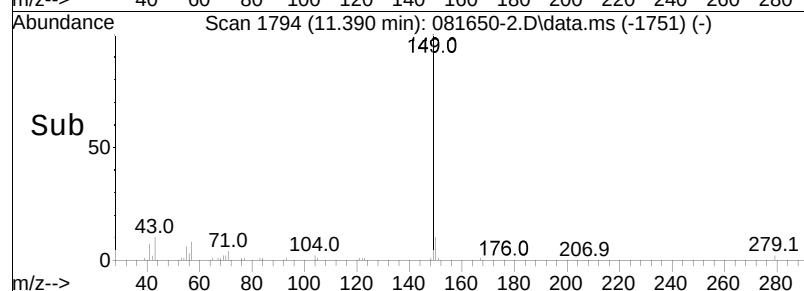
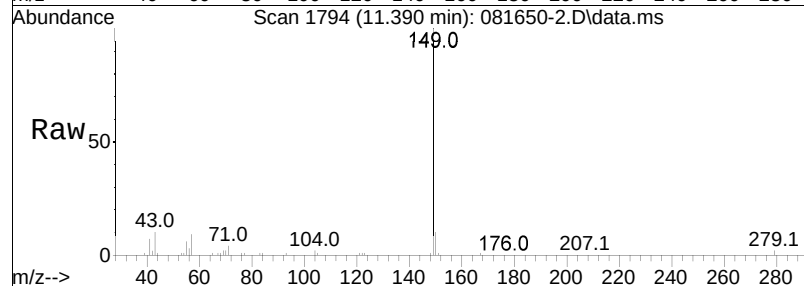
Tgt Ion	Ratio	Lower	Upper
149	100		
167	22.0	18.4	27.6
279	1.5	1.7	2.5#





#109
 Di-n-octylphthalate
 Concen: 2.47 ug/ml
 RT: 11.390 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: 081650-2.D
 Acq: 21 Jun 2025 12:59 pm

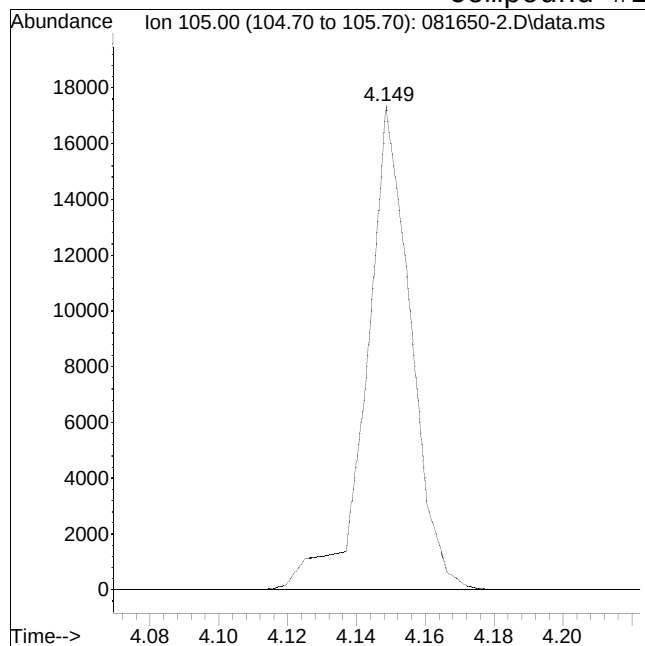
Tgt Ion:	149	Resp:	66719
Ion Ratio	Lower	Upper	
149	100		
43	10.5	8.2	12.2
167	1.1	1.1	1.7#



Manual Integration Report

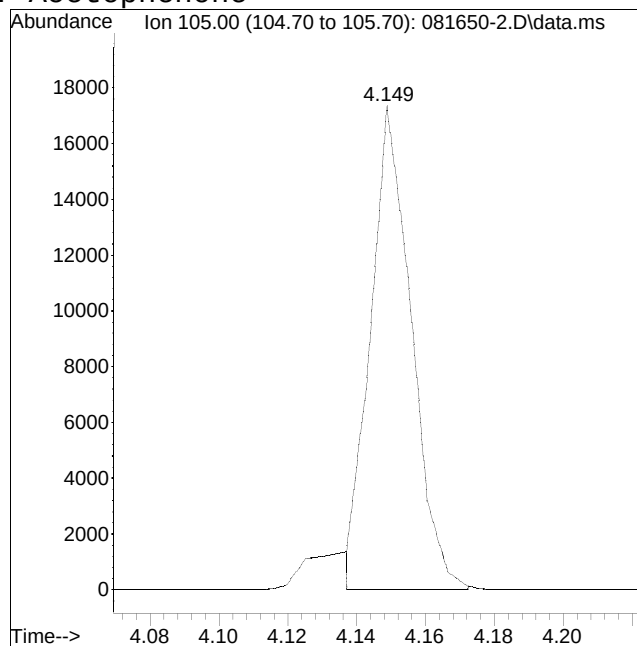
Data Path : I:\8270\SV112\250621RVTb\ QMethod : FS250313SV112RVT.m
Data File : 081650-2.D Operator : SV112:smz
Date Inj'd : 6/21/2025 12:59 pm Instrument : SV112
Sample : WG2081650-2,32,,gmr Quant Date : 6/22/2025 6:41 am

Compound #29: Acetophenone



Original Peak Response = 15548

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

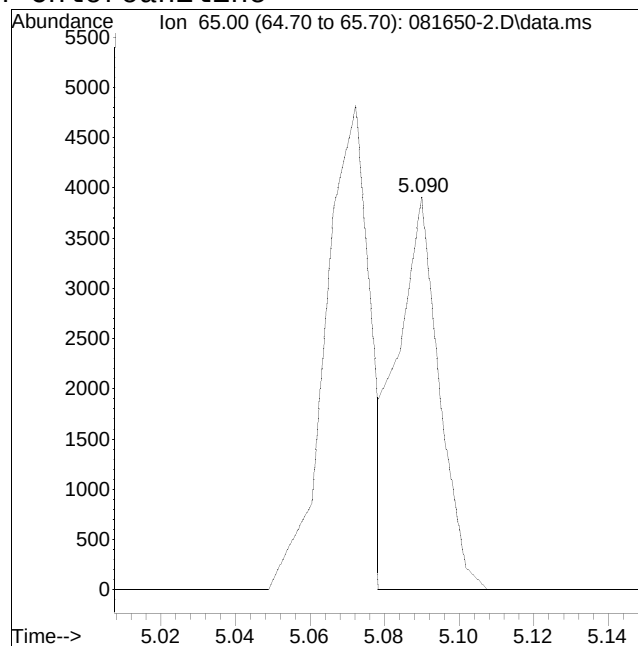
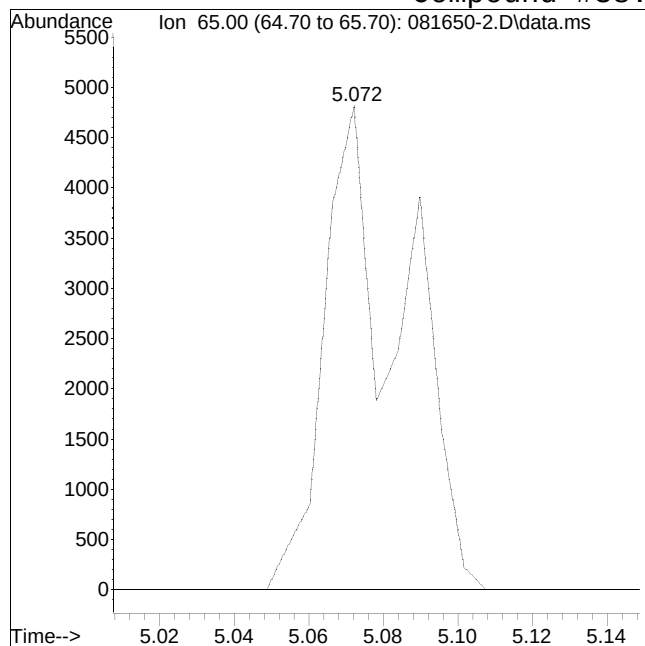


Manual Peak Response = 14191 M6

Manual Integration Report

Data Path : I:\8270\SV112\250621RVTb\ QMethod : FS250313SV112RVT.m
Data File : 081650-2.D Operator : SV112:smz
Date Inj'd : 6/21/2025 12:59 pm Instrument : SV112
Sample : WG2081650-2,32,,gmr Quant Date : 6/22/2025 6:41 am

Compound #38: 4-Chloroaniline



Original Peak Response = 7021

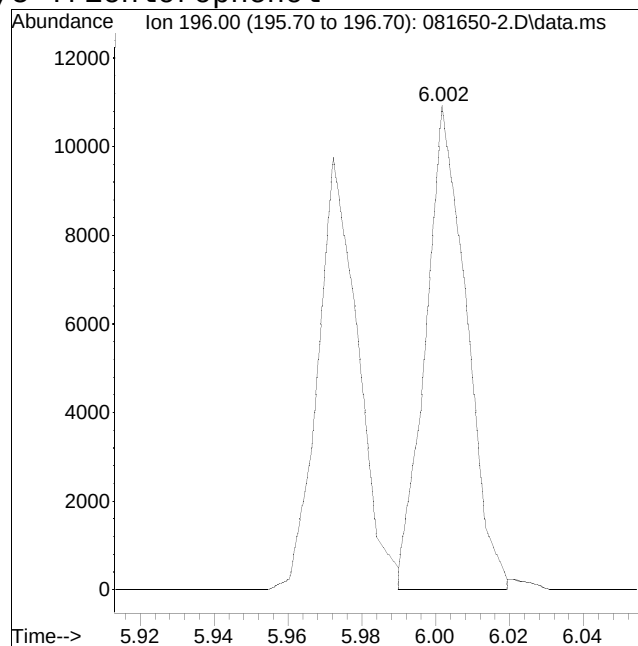
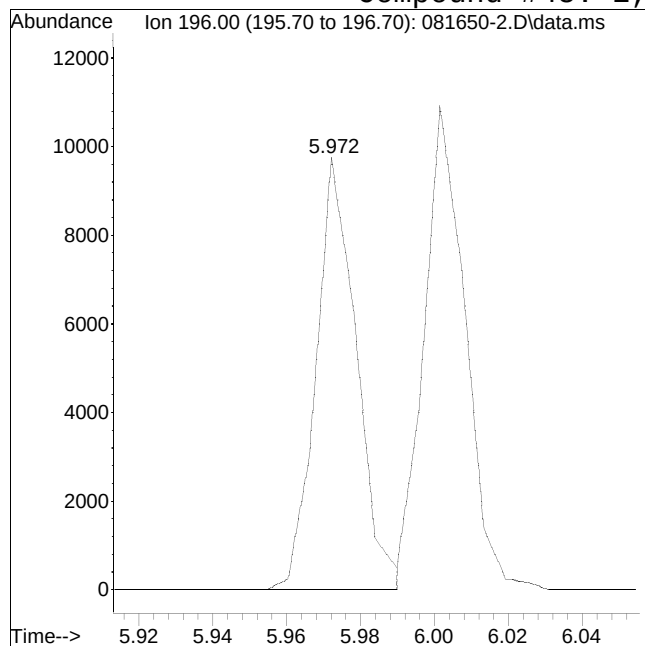
Manual Peak Response = 2852 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

Data Path : I:\8270\SV112\250621RVTb\ QMethod : FS250313SV112RVT.m
Data File : 081650-2.D Operator : SV112:smz
Date Inj'd : 6/21/2025 12:59 pm Instrument : SV112
Sample : WG2081650-2,32,,gmr Quant Date : 6/22/2025 6:41 am

Compound #45: 2,4,5-Trichlorophenol



Original Peak Response = 7447

Manual Peak Response = 8345 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250621RVTb\
 Data File : 081650-3.D
 Acq On : 21 Jun 2025 01:21 pm
 Operator : SV112:smz
 Sample : WG2081650-3,32,,gmr
 Misc : WG2081810,WG2081650,ical22084
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 24 09:07:14 2025
 Quant Method : I:\8270\SV112\250621RVTb\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Jun 21 13:15:10 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250621RVTb\ABN0621.D
 : 2 - I:\8270\SV112\250621RVTb\ADP0621.D
 : 3 - I:\8270\SV112\250621RVTb\AP90621.D
 Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) IS1_1,4-Dichlorobenzen...	3.713	152	18685	4.000	ug/ml	0.00
Standard Area 1 = 22450			Recovery =	83.23%		
27) IS2_1,4-Dichlorobenzen...	3.713	152	18685	4.000	ug/ml	0.00
Standard Area 3 = 22756			Recovery =	82.11%		
32) IS3_1,4-Dichlorobenzen...	3.713	152	18685	4.000	ug/ml	0.00
Standard Area 2 = 18865			Recovery =	99.05%		
35) IS1_Naphthalene-d8	4.972	136	71809	4.000	ug/ml	0.00
Standard Area 1 = 86605			Recovery =	82.92%		
55) IS2_Naphthalene-d8	4.972	136	71809	4.000	ug/ml	0.00
Standard Area 3 = 88541			Recovery =	81.10%		
63) IS1_Acenaphthene-d10	6.654	164	42829	4.000	ug/ml	0.00
Standard Area 1 = 53004			Recovery =	80.80%		
83) IS2_Acenaphthene-d10	6.654	164	42829	4.000	ug/ml	0.00
Standard Area 3 = 53432			Recovery =	80.16%		
86) IS3_Acenaphthene-d10	6.654	164	42829	4.000	ug/ml	0.00
Standard Area 2 = 42482			Recovery =	100.82%		
88) IS1_Phenanthrene-d10	8.043	188	89174	4.000	ug/ml	0.00
Standard Area 1 = 110288			Recovery =	80.86%		
100) IS3_Phenanthrene-d10	8.043	188	89174	4.000	ug/ml	0.00
Standard Area 2 = 89880			Recovery =	99.21%		
104) IS1_Chrysene-d12	10.560	240	99674	4.000	ug/ml	0.00
Standard Area 1 = 115775			Recovery =	86.09%		
113) IS1_Perylene-d12	11.919	264	115065	4.000	ug/ml	0.00
Standard Area 1 = 127514			Recovery =	90.24%		
System Monitoring Compounds						
4) 2-Fluorophenol	2.343	112	5973	1.181	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	59.05%		
7) Phenol-d6	3.449	99	5502	0.872	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	43.60%		
19) Nitrobenzene-d5	4.284	82	4150	0.697	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	69.70%		
46) 2-Fluorobiphenyl	6.054	172	9409	0.572	ug/ml	0.00
Spiked Amount 1.000	Range 30 - 130		Recovery =	57.20%		
79) 2,4,6-Tribromophenol	7.407	330	3010	1.164	ug/ml	0.00
Spiked Amount 2.000	Range 15 - 110		Recovery =	58.20%		

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250621RVTb\
 Data File : 081650-3.D
 Acq On : 21 Jun 2025 01:21 pm
 Operator : SV112:smz
 Sample : WG2081650-3,32,,gmr
 Misc : WG2081810,WG2081650,ical22084
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 24 09:07:14 2025
 Quant Method : I:\8270\SV112\250621RVTb\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Jun 21 13:15:10 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250621RVTb\ABN0621.D
 : 2 - I:\8270\SV112\250621RVTb\ADP0621.D
 : 3 - I:\8270\SV112\250621RVTb\AP90621.D
 Sub List : 8270TCL_REV2 - TCL/CT/MA

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 4-Terphenyl-d14	9.613	244	15479	0.664	ug/ml	0.00
Spiked Amount	1.000	Range	30 - 130	Recovery	=	66.40%
Target Compounds						Qvalue
6) 2-Chlorophenol	3.508	128	8919	1.531	ug/ml	95
8) Phenol	3.460	94	6000	0.807	ug/ml	95
14) Bis(2-chloroisopropyl)...	4.066	45	14434	1.846	ug/ml#	74
15) 2-Methylphenol	4.066	108	7287	1.478	ug/ml	98
17) n-Nitrosodi-n-propylamine	4.190	70	5693	1.348	ug/ml	98
18) 3-Methylphenol/4-Methy...	4.237	108	7485	1.371	ug/ml#	77
20) Nitrobenzene	4.302	77	9033	1.485	ug/ml	99
21) Isophorone	4.555	82	16486	1.467	ug/ml	98
22) 2-Nitrophenol	4.625	139	4455	1.608	ug/ml	99
23) 2,4-Dimethylphenol	4.743	107	7269	1.258	ug/ml	98
24) Bis(2-chloroethoxy)met...	4.819	93	10892	1.443	ug/ml	95
25) 2,4-Dichlorophenol	4.872	162	8052	1.519	ug/ml	95
28) Benzaldehyde	3.261	105	7052	1.583	ug/ml	99
29) Acetophenone	4.149	105	12455M6	1.540	ug/ml	
38) 4-Chloroaniline	5.090	65	1999M6	0.871	ug/ml	
40) p-Chloro-m-cresol	5.619	107	8082	1.569	ug/ml	97
43) Hexachlorocyclopentadiene	5.849	237	3988	0.706	ug/ml#	87
44) 2,4,6-Trichlorophenol	5.972	196	6951	1.434	ug/ml	95
45) 2,4,5-Trichlorophenol	6.002	196	7279M3	1.487	ug/ml	
48) 2-Nitroaniline	6.254	138	5986	1.652	ug/ml	95
51) Dimethyl phthalate	6.472	163	23153	1.344	ug/ml	99
53) 2,6-Dinitrotoluene	6.507	165	4479	1.421	ug/ml#	74
60) Caprolactam	5.384	55	2234	0.964	ug/ml	88
61) 1,2,4,5-Tetrachloroben...	5.843	216	7862	0.999	ug/ml	98
62) Biphenyl	6.137	154	20705	1.296	ug/ml	100
64) 3-Nitroaniline	6.654	138	5195	1.572	ug/ml#	95
66) 2,4-Dinitrophenol	6.754	184	2913	1.551	ug/ml#	83
67) Dibenzofuran	6.849	168	27089	1.372	ug/ml	93
68) 2,4-Dinitrotoluene	6.884	165	6300	1.465	ug/ml	86
69) 4-Nitrophenol	6.878	65	3630	1.478	ug/ml	83
72) Diethyl phthalate	7.160	149	23330	1.455	ug/ml	97
74) 4-Chlorophenyl phenyl ...	7.213	204	10380	1.268	ug/ml#	86
75) 4-Nitroaniline	7.225	138	5506	1.599	ug/ml	96

Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250621RVTb\
 Data File : 081650-3.D
 Acq On : 21 Jun 2025 01:21 pm
 Operator : SV112:smz
 Sample : WG2081650-3,32,,gmr
 Misc : WG2081810,WG2081650,ical22084
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 24 09:07:14 2025
 Quant Method : I:\8270\SV112\250621RVTb\FS250313SV112RVT.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Sat Jun 21 13:15:10 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270\SV112\250621RVTb\ABN0621.D
 : 2 - I:\8270\SV112\250621RVTb\ADP0621.D
 : 3 - I:\8270\SV112\250621RVTb\AP90621.D
 Sub List : 8270TCL_REV2 - TCL/CT/MA

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
76)	4,6-Dinitro-o-cresol	7.266	198	4000	1.598	ug/ml	92
77)	NDPA/DPA	7.331	169	18842	1.478	ug/ml	98
80)	4-Bromophenyl phenyl e...	7.666	248	6682	1.254	ug/ml#	85
87)	Atrazine	7.884	200	7714	1.534	ug/ml#	86
91)	Carbazole	8.296	167	34897	1.608	ug/ml	98
92)	Di-n-butylphthalate	8.725	149	40902	1.683	ug/ml	98
97)	Butyl benzyl phthalate	10.137	149	19400	1.835	ug/ml	96
106)	3,3'-Dichlorobenzidine	10.584	252	13474	1.211	ug/ml	98
108)	Bis(2-ethylhexyl)phtha...	10.754	149	32511	2.097	ug/ml#	100
109)	Di-n-octylphthalate	11.389	149	53234	2.150	ug/ml	99

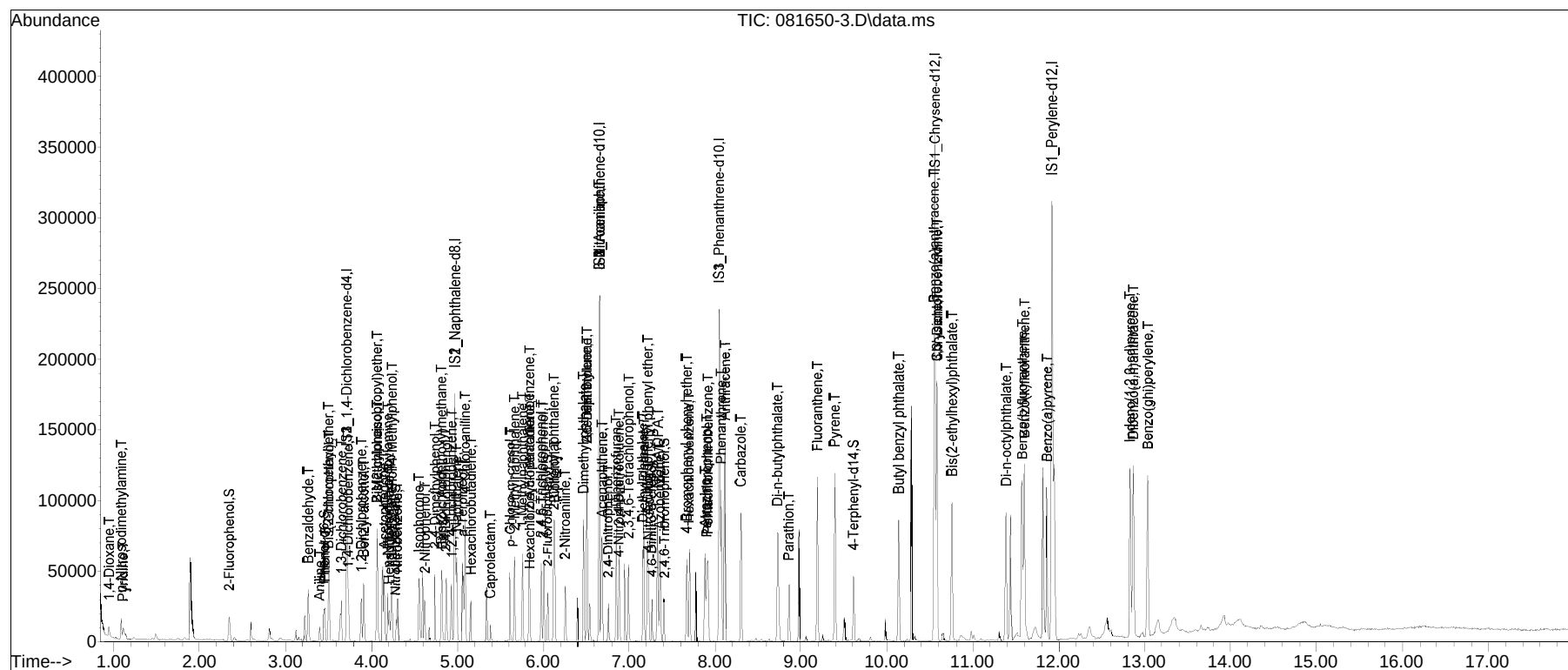
(#) = qualifier out of range (m) = manual integration (+) = signals summed

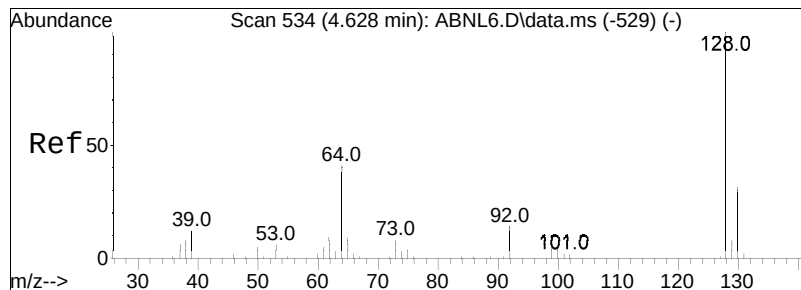
Quantitation Report (QT Reviewed)

Data Path : I:\8270\SV112\250621RVTb\
Data File : 081650-3.D
Acq On : 21 Jun 2025 01:21 pm
Operator : SV112:smz
Sample : WG2081650-3,32,,gmr
Misc : WG2081810,WG2081650,ical22084
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 24 09:07:14 2025
Quant Method : I:\8270\SV112\250621RVTb\FS250313SV112RVT.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Sat Jun 21 13:15:10 2025
Response via : Initial Calibration

Sub List : 8270IC\8RZ0\SV1I0\260601ARVTb\AP90621.D•





#6

2-Chlorophenol

Concen: 1.53 ug/ml

RT: 3.508 min Scan# 454

Delta R.T. 0.006 min

Lab File: 081650-3.D

Acq: 21 Jun 2025 01:21 pm

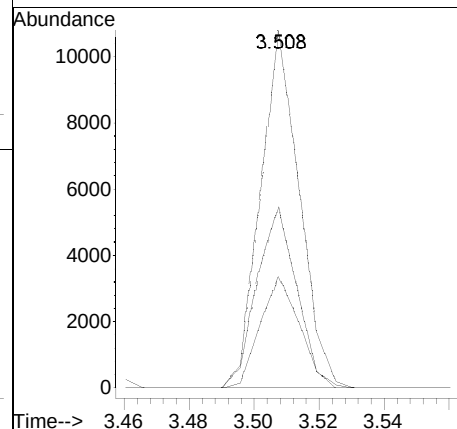
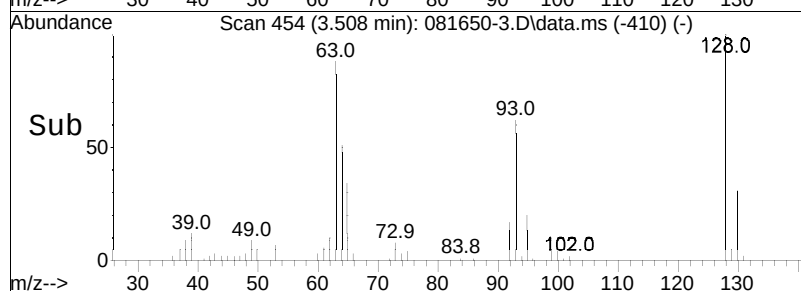
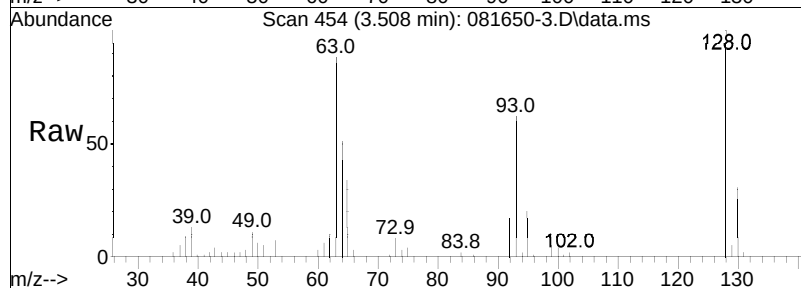
Tgt Ion:128 Resp: 8919

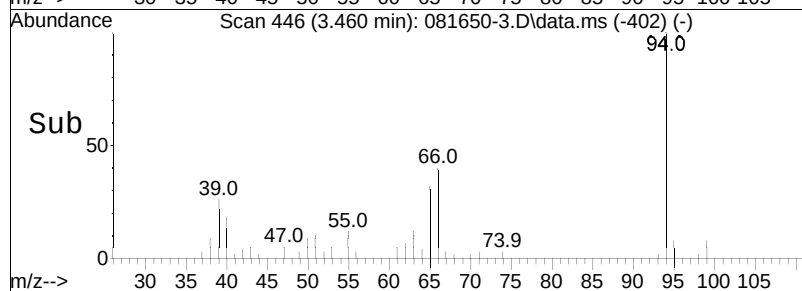
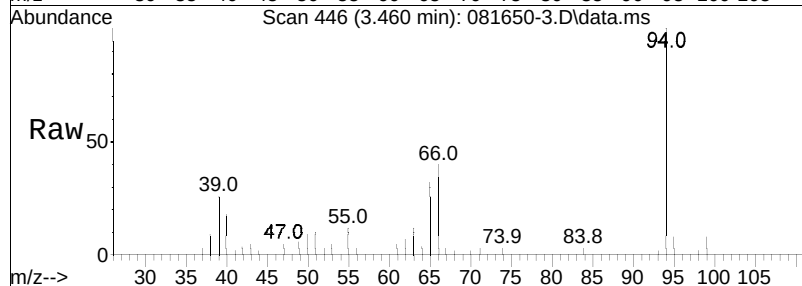
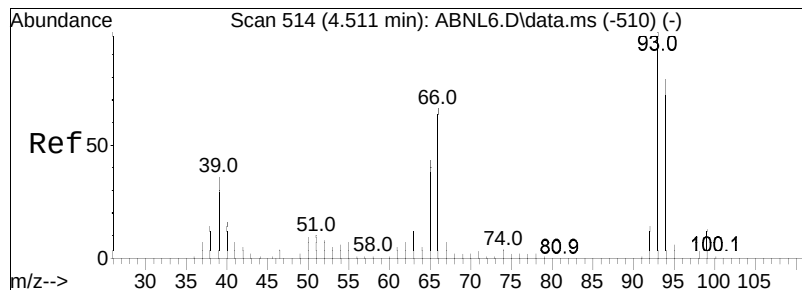
Ion Ratio Lower Upper

128 100

64 52.0 38.2 57.4

130 31.5 26.2 39.2





#8

Phenol

Concen: 0.81 ug/ml

RT: 3.460 min Scan# 446

Delta R.T. 0.006 min

Lab File: 081650-3.D

Acq: 21 Jun 2025 01:21 pm

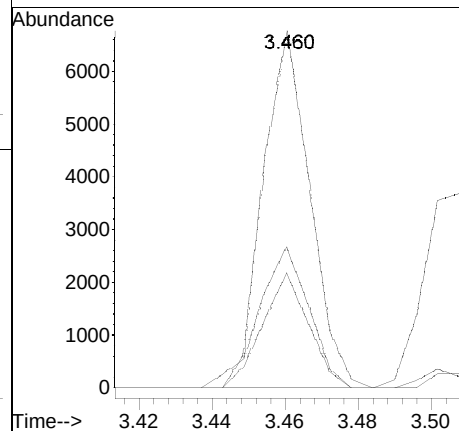
Tgt Ion: 94 Resp: 6000

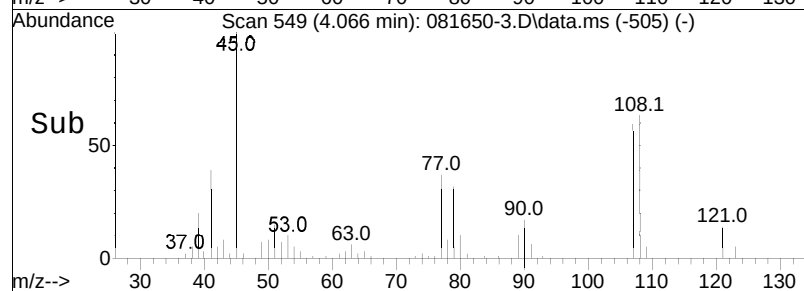
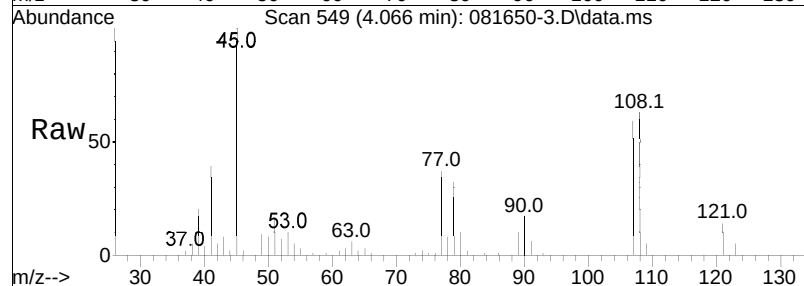
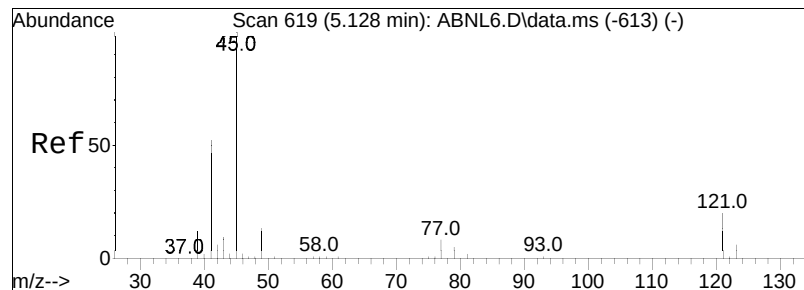
Ion Ratio Lower Upper

94 100

65 31.8 23.0 34.6

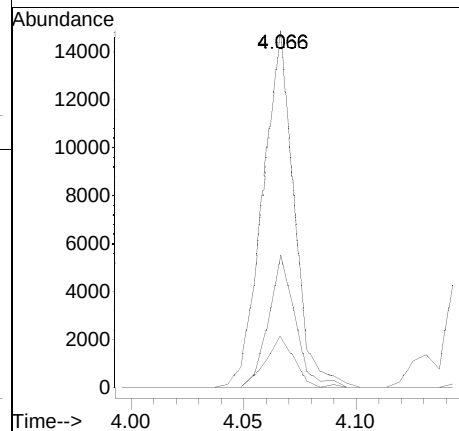
66 42.6 32.1 48.1

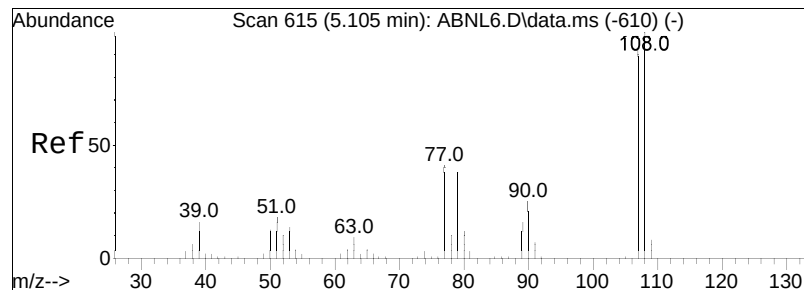




#14
 Bis(2-chloroisopropyl)ether
 Concen: 1.85 ug/ml
 RT: 4.066 min Scan# 549
 Delta R.T. 0.006 min
 Lab File: 081650-3.D
 Acq: 21 Jun 2025 01:21 pm

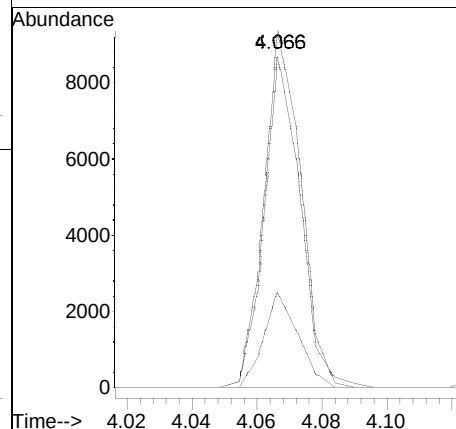
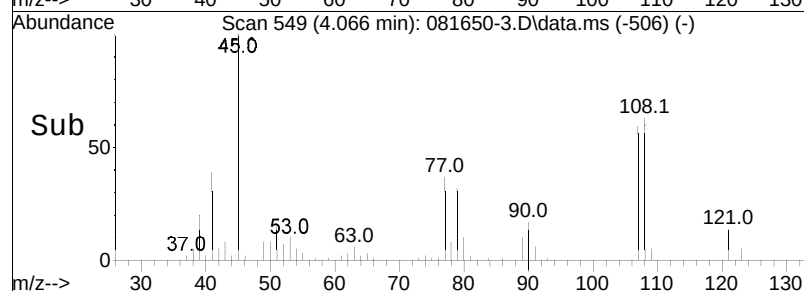
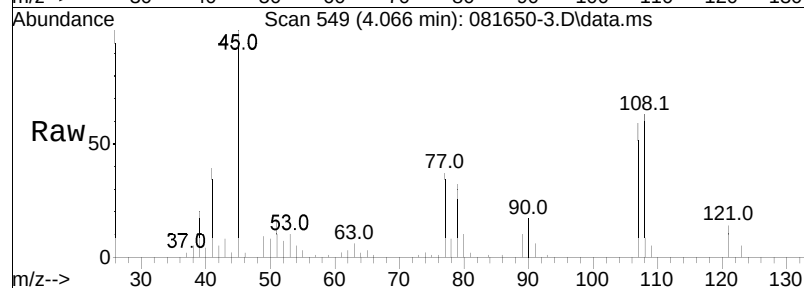
Tgt Ion:	45	Resp:	14434
Ion Ratio	100	Lower	Upper
45	100		
121	13.4	14.8	22.2#
77	31.8	10.5	15.7#

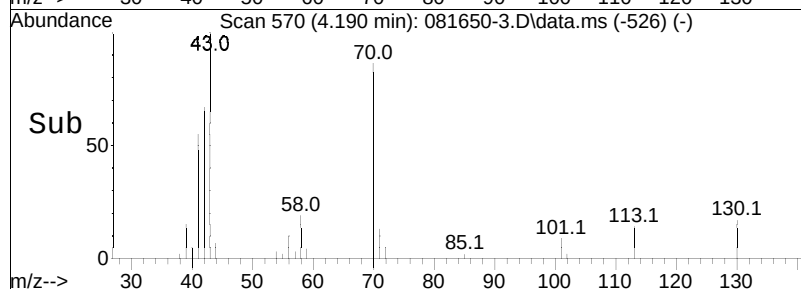
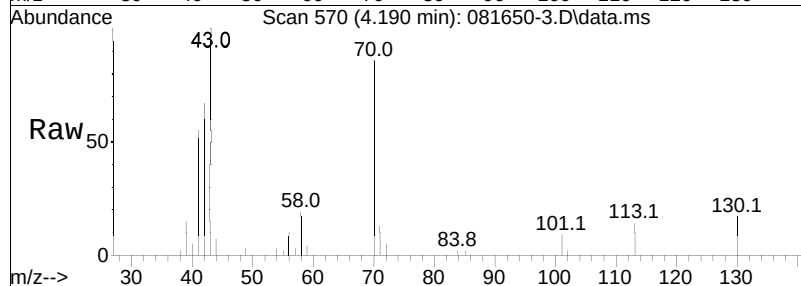
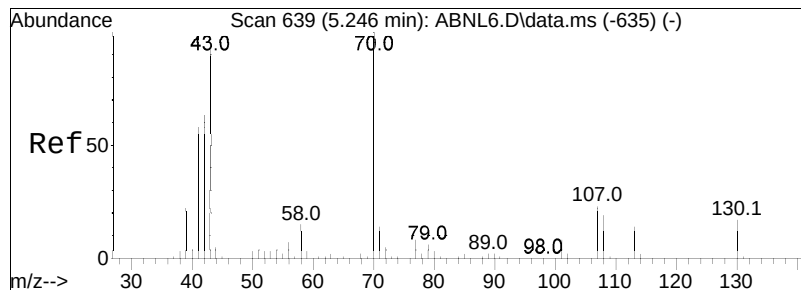




#15
 2-Methylphenol
 Concen: 1.48 ug/ml
 RT: 4.066 min Scan# 549
 Delta R.T. 0.000 min
 Lab File: 081650-3.D
 Acq: 21 Jun 2025 01:21 pm

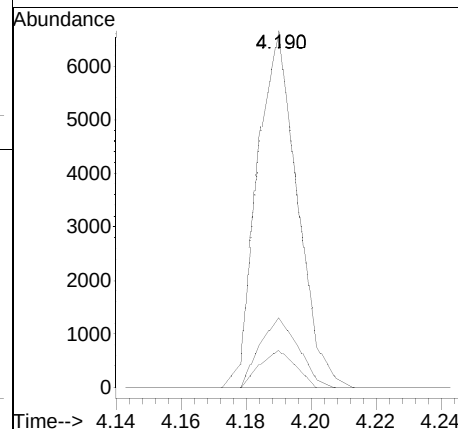
Tgt Ion	Ratio	Lower	Upper
108	100		
107	91.0	71.0	106.4
90	25.2	19.7	29.5

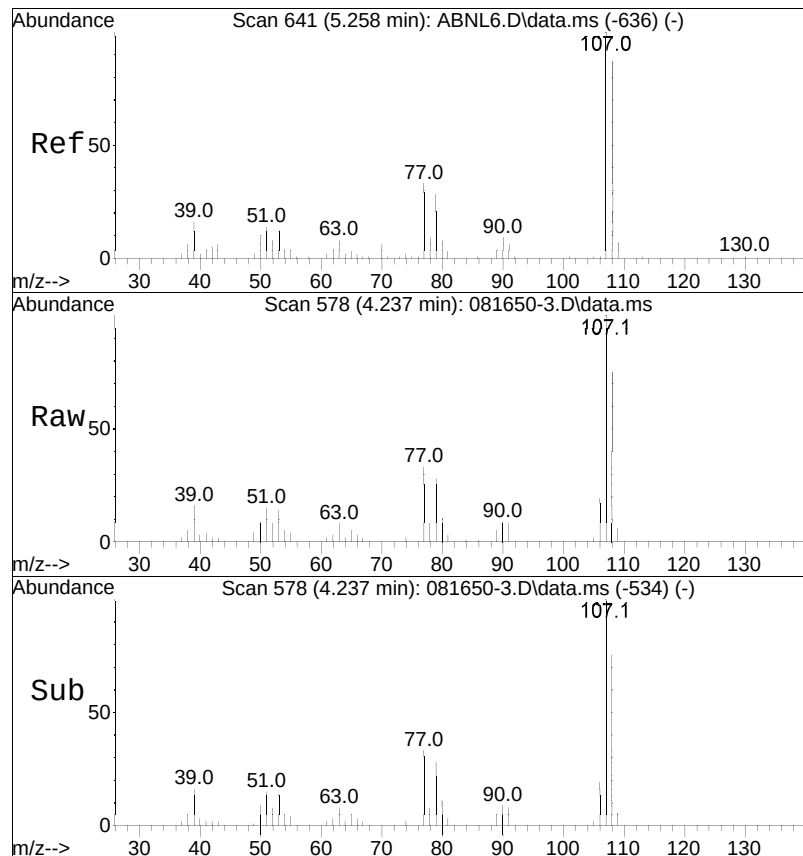




#17
 n-Nitrosodi-n-propylamine
 Concen: 1.35 ug/ml
 RT: 4.190 min Scan# 570
 Delta R.T. 0.006 min
 Lab File: 081650-3.D
 Acq: 21 Jun 2025 01:21 pm

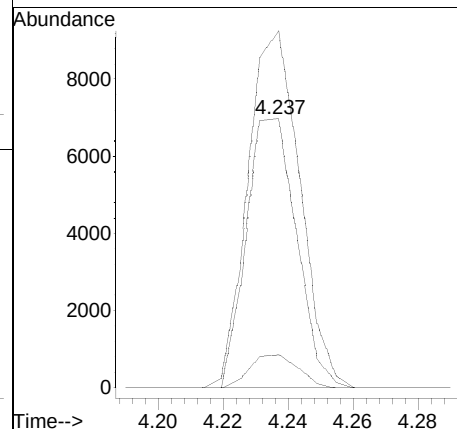
Tgt Ion	Ratio	Lower	Upper
70	100		
130	18.9	16.2	24.4
101	9.4	7.6	11.4

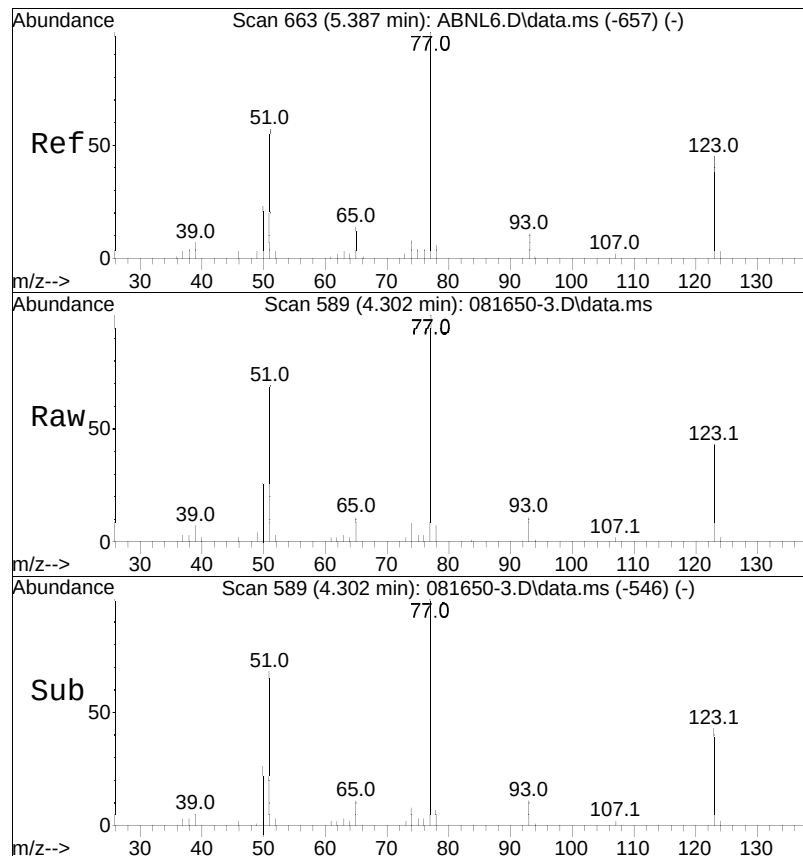




#18
 3-Methylphenol/4-Methylphenol
 Concen: 1.37 ug/ml
 RT: 4.237 min Scan# 578
 Delta R.T. 0.006 min
 Lab File: 081650-3.D
 Acq: 21 Jun 2025 01:21 pm

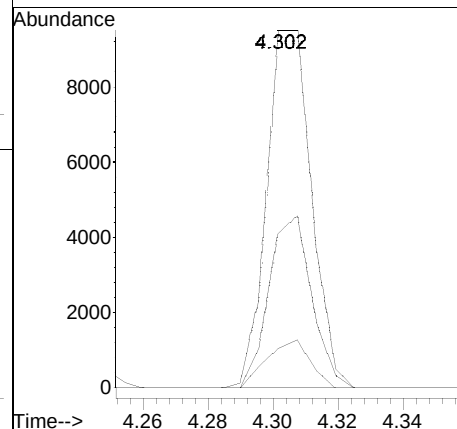
Tgt Ion	Ratio	Lower	Upper
108	100		
107	137.5	88.8	133.2#
90	12.1	9.0	13.6

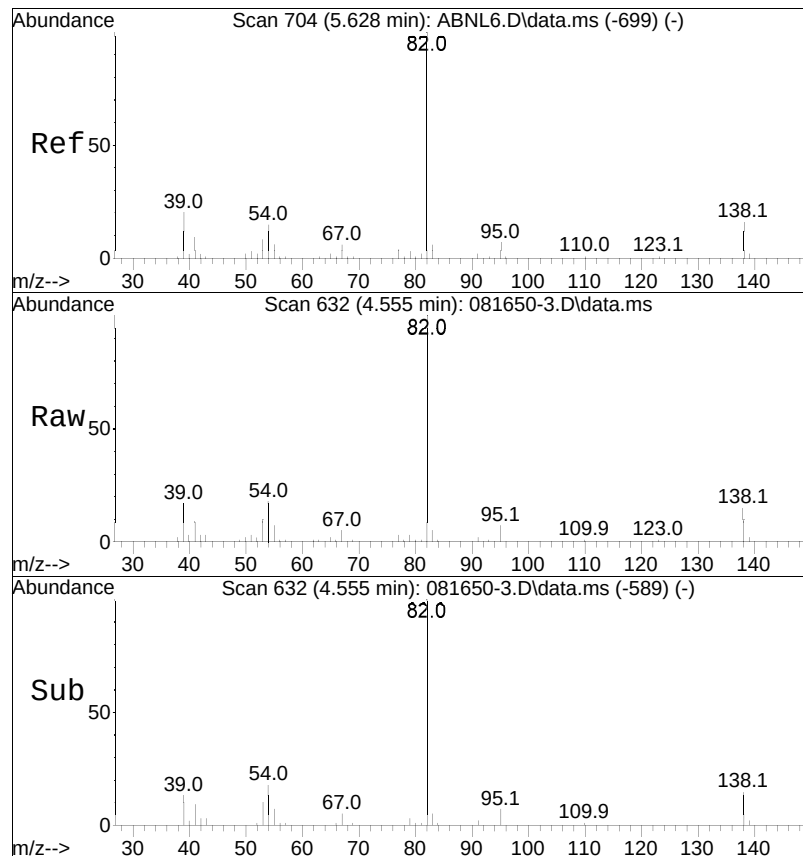




#20
 Nitrobenzene
 Concen: 1.49 ug/ml
 RT: 4.302 min Scan# 589
 Delta R.T. 0.000 min
 Lab File: 081650-3.D
 Acq: 21 Jun 2025 01:21 pm

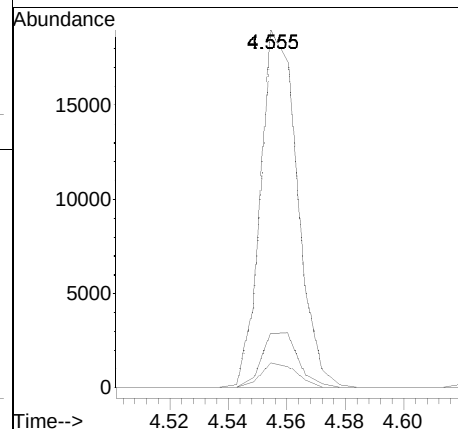
Tgt Ion:	77	Resp:	9033
Ion Ratio	Lower	Upper	
77	100		
123	46.0	37.3	55.9
65	13.0	10.9	16.3

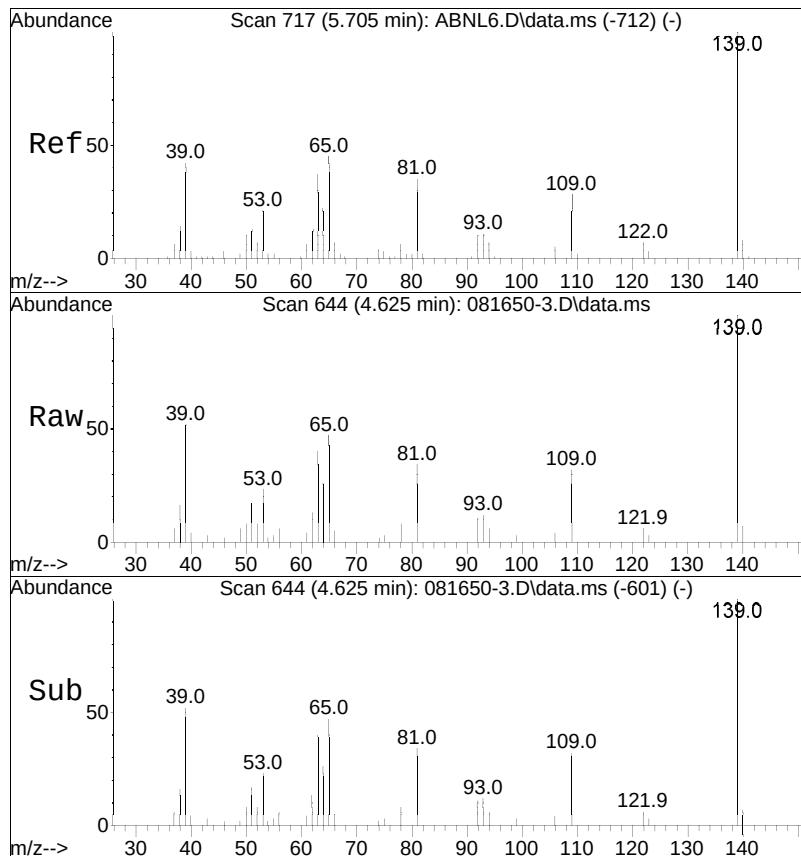




#21
 Isophorone
 Concen: 1.47 ug/ml
 RT: 4.555 min Scan# 632
 Delta R.T. 0.000 min
 Lab File: 081650-3.D
 Acq: 21 Jun 2025 01:21 pm

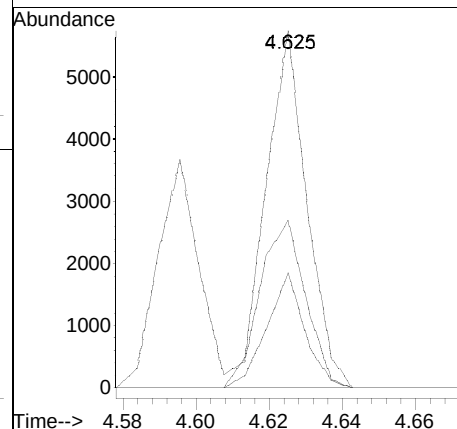
Tgt Ion:	82	Resp:	16486
Ion Ratio	Lower	Upper	
82	100		
138	15.2	13.0	19.4
95	6.7	5.5	8.3

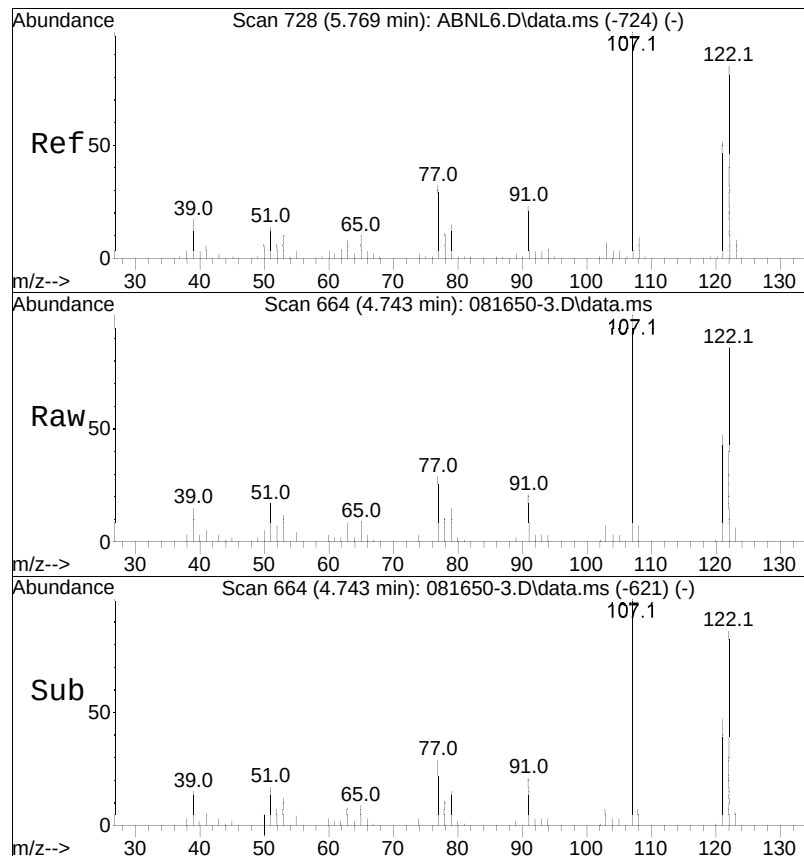




#22
 2-Nitrophenol
 Concen: 1.61 ug/ml
 RT: 4.625 min Scan# 644
 Delta R.T. 0.000 min
 Lab File: 081650-3.D
 Acq: 21 Jun 2025 01:21 pm

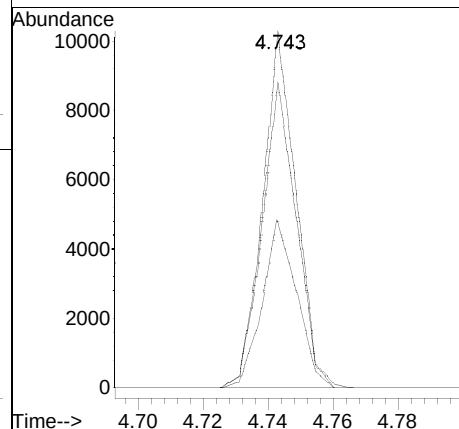
Tgt Ion	Ratio	Lower	Upper
139	100		
109	29.9	23.1	34.7
65	52.1	41.4	62.2

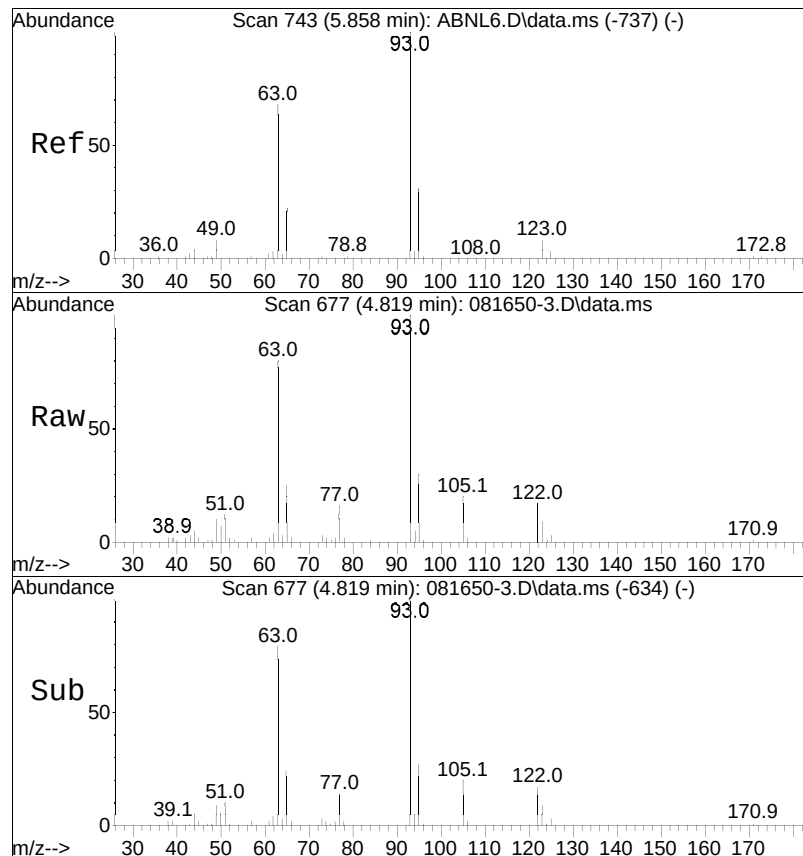




#23
 2,4-Dimethylphenol
 Concen: 1.26 ug/ml
 RT: 4.743 min Scan# 664
 Delta R.T. 0.000 min
 Lab File: 081650-3.D
 Acq: 21 Jun 2025 01:21 pm

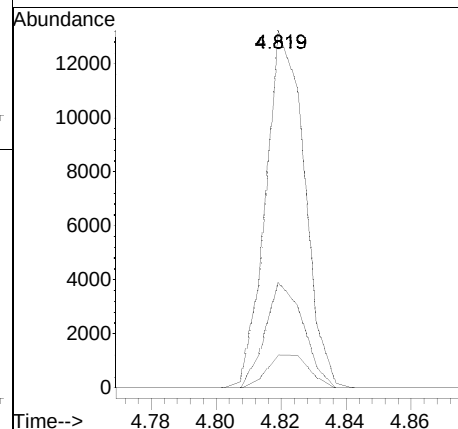
Tgt Ion:	107	Resp:	7269
Ion Ratio	Lower	Upper	
107	100		
121	48.8	41.3	61.9
122	87.6	69.3	103.9

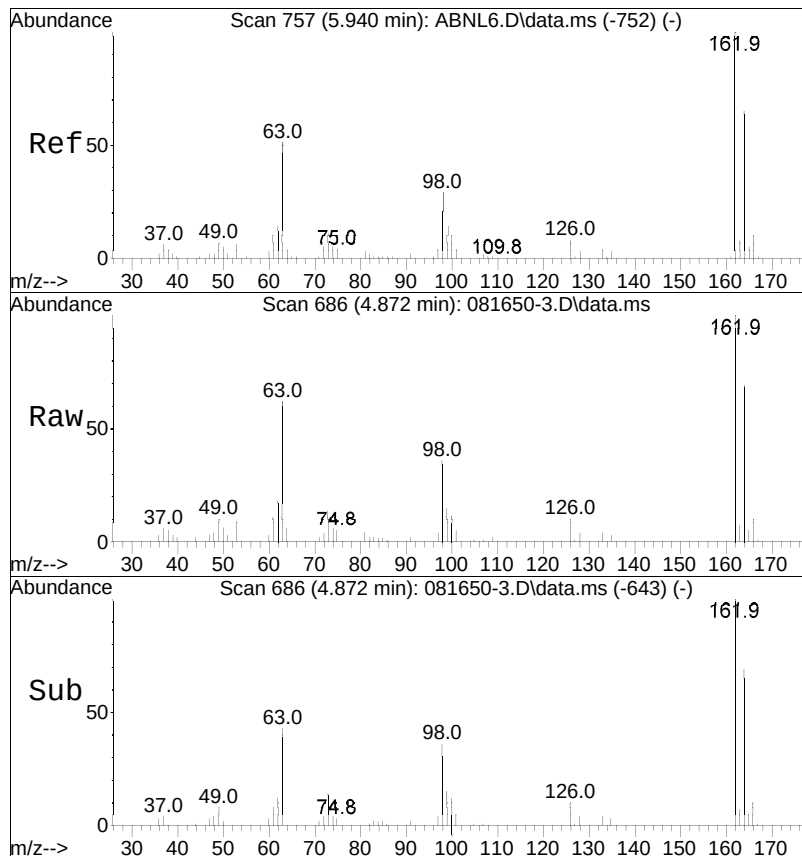




#24
 Bis(2-chloroethoxy)methane
 Concen: 1.44 ug/ml
 RT: 4.819 min Scan# 677
 Delta R.T. 0.000 min
 Lab File: 081650-3.D
 Acq: 21 Jun 2025 01:21 pm

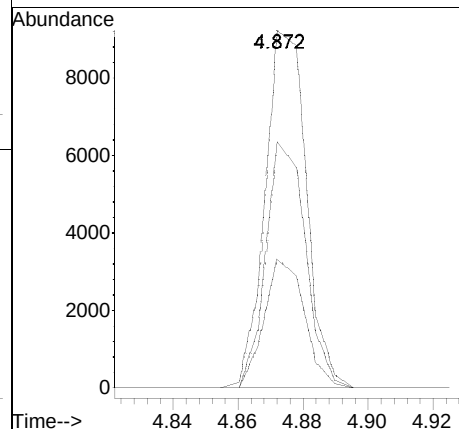
Tgt Ion:	93	Resp:	10892
Ion Ratio	Lower	Upper	
93	100		
95	29.1	25.8	38.8
123	10.1	9.6	14.4

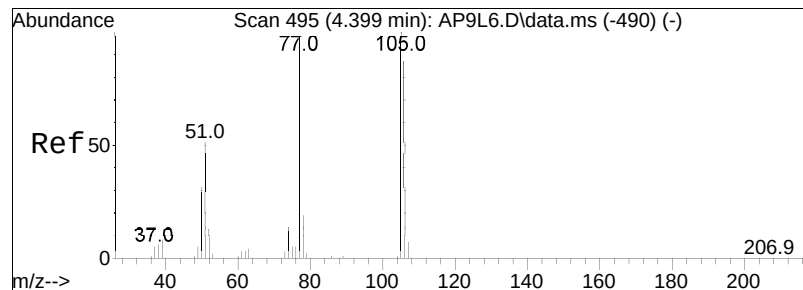




#25
 2,4-Dichlorophenol
 Concen: 1.52 ug/ml
 RT: 4.872 min Scan# 686
 Delta R.T. 0.000 min
 Lab File: 081650-3.D
 Acq: 21 Jun 2025 01:21 pm

Tgt Ion:	162	Resp:	8052
Ion Ratio	Lower	Upper	
162	100		
164	66.2	51.1	76.7
98	35.3	32.2	48.2





#28

Benzaldehyde

Concen: 1.58 ug/ml

RT: 3.261 min Scan# 412

Delta R.T. 0.006 min

Lab File: 081650-3.D

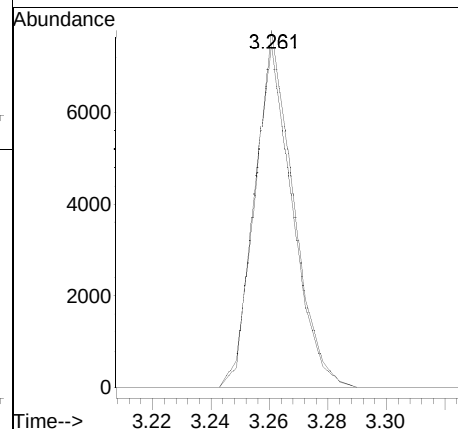
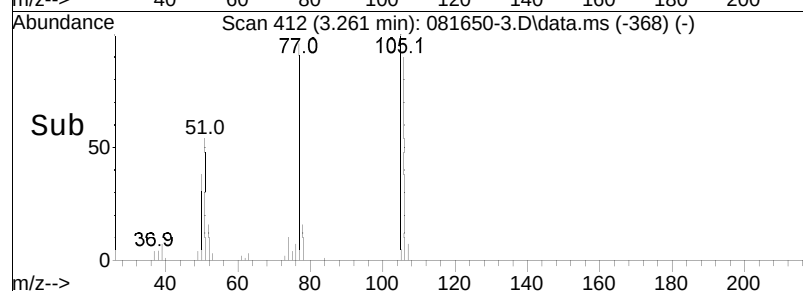
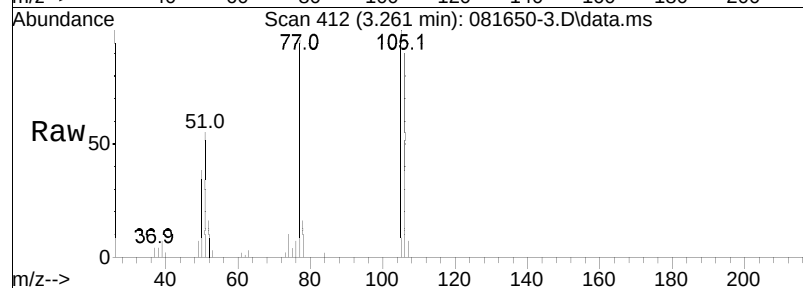
Acq: 21 Jun 2025 01:21 pm

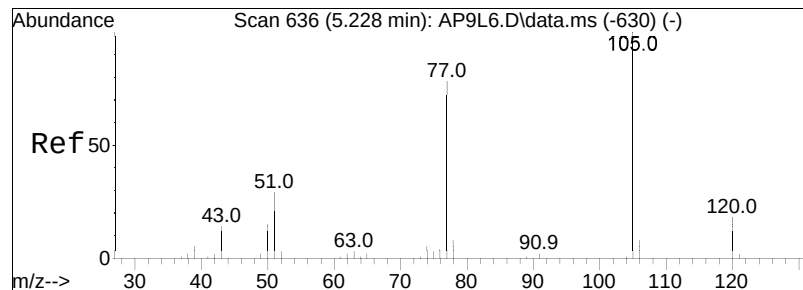
Tgt Ion:105 Resp: 7052

Ion Ratio Lower Upper

105 100

77 95.5 77.0 115.6





#29

Acetophenone

Concen: 1.54 ug/ml M6

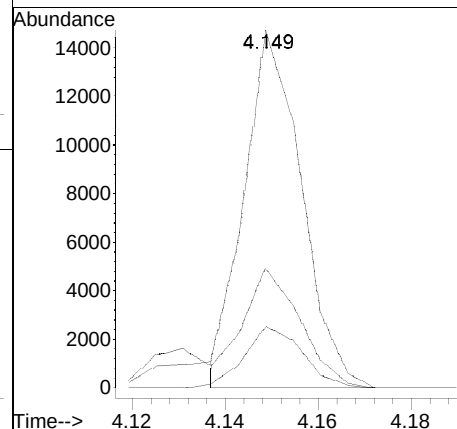
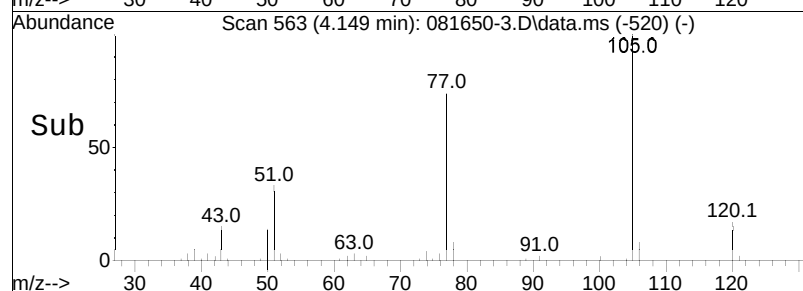
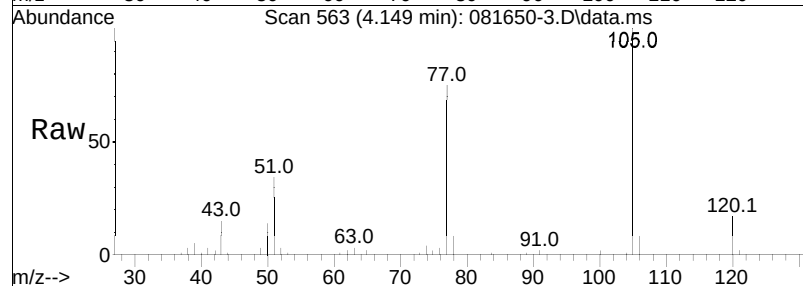
RT: 4.149 min Scan# 563

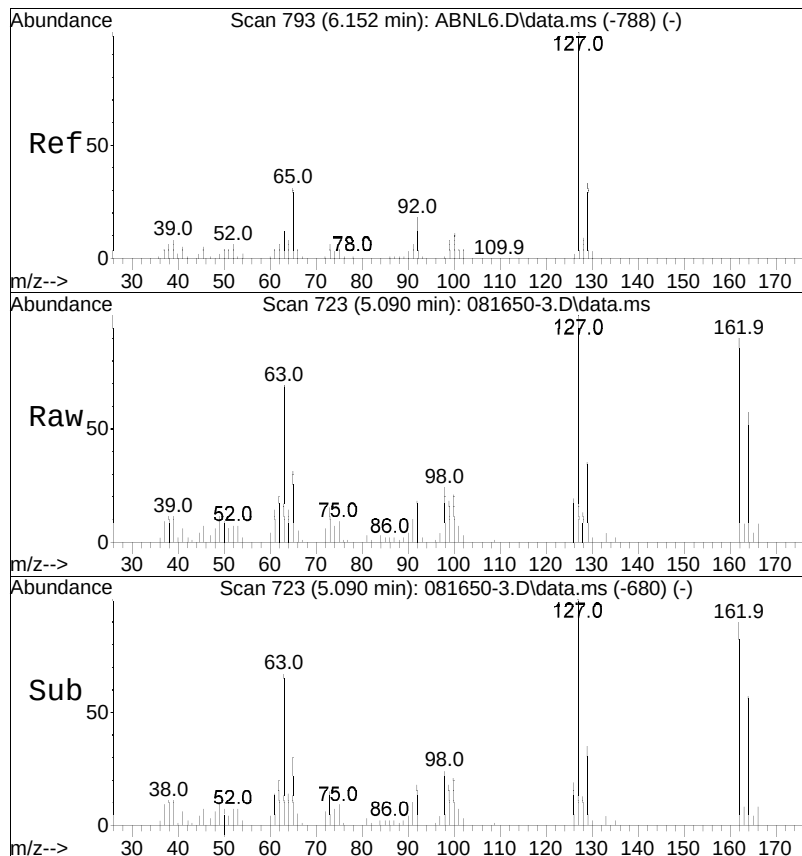
Delta R.T. 0.000 min

Lab File: 081650-3.D

Acq: 21 Jun 2025 01:21 pm

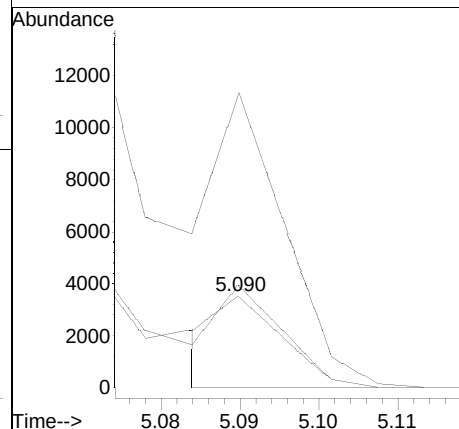
Tgt Ion:	105	Resp:	12455
Ion Ratio	Lower	Upper	
105	100		
120	17.7	15.2	22.8
51	45.7	23.1	34.7#

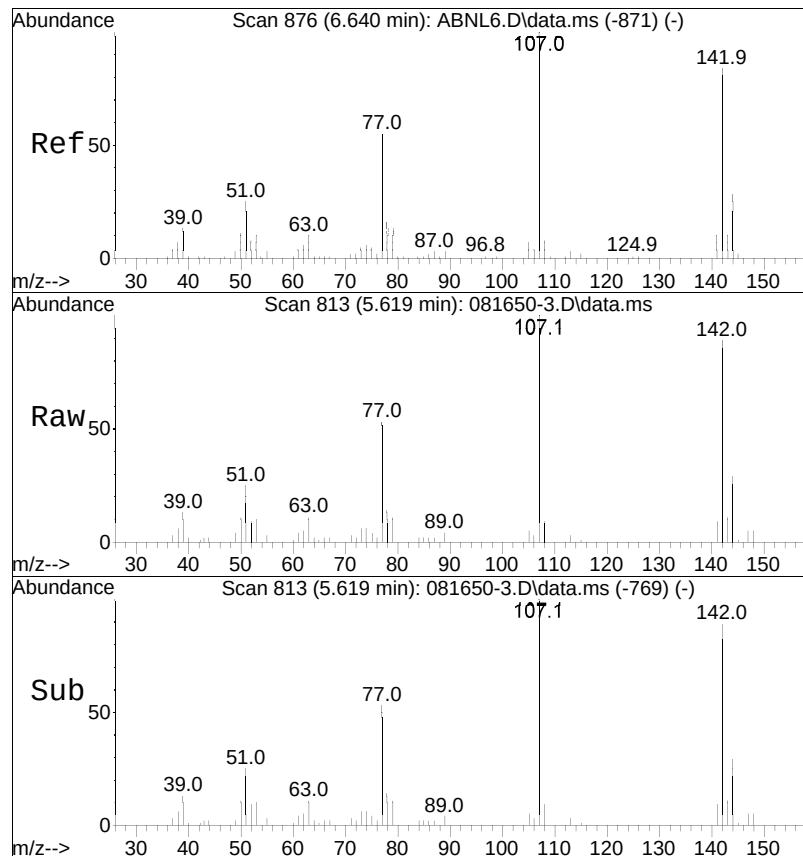




#38
 4-Chloroaniline
 Concen: 0.87 ug/ml M6
 RT: 5.090 min Scan# 723
 Delta R.T. 0.000 min
 Lab File: 081650-3.D
 Acq: 21 Jun 2025 01:21 pm

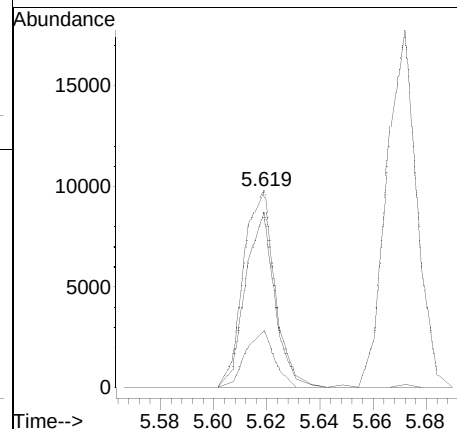
Tgt Ion:	65	Resp:	1999
Ion Ratio	Lower	Upper	
65	100		
127	601.1	266.2	399.4#
129	199.1	85.0	127.4#

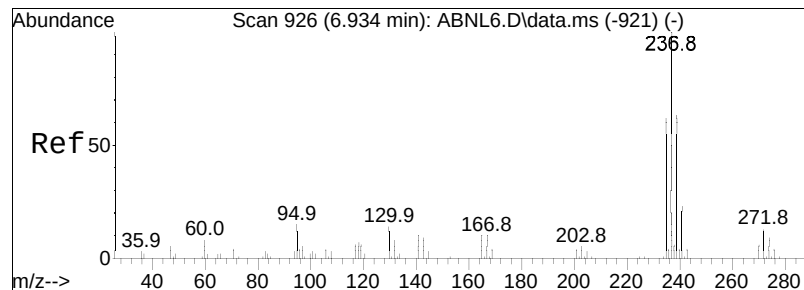




#40
 p-Chloro-m-cresol
 Concen: 1.57 ug/ml
 RT: 5.619 min Scan# 813
 Delta R.T. 0.006 min
 Lab File: 081650-3.D
 Acq: 21 Jun 2025 01:21 pm

Tgt Ion:	107	Resp:	8082
Ion Ratio	Lower	Upper	
107	100		
144	26.1	20.3	30.5
142	82.5	63.8	95.6





#43

Hexachlorocyclopentadiene

Concen: 0.71 ug/ml

RT: 5.849 min Scan# 852

Delta R.T. 0.006 min

Lab File: 081650-3.D

Acq: 21 Jun 2025 01:21 pm

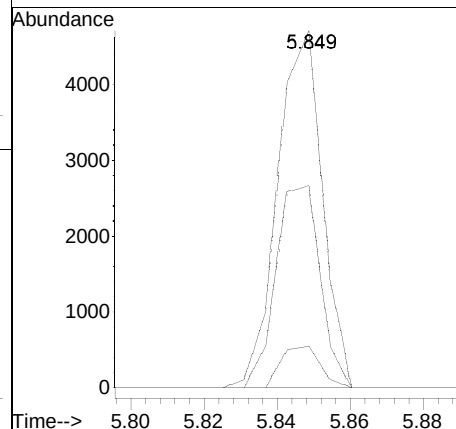
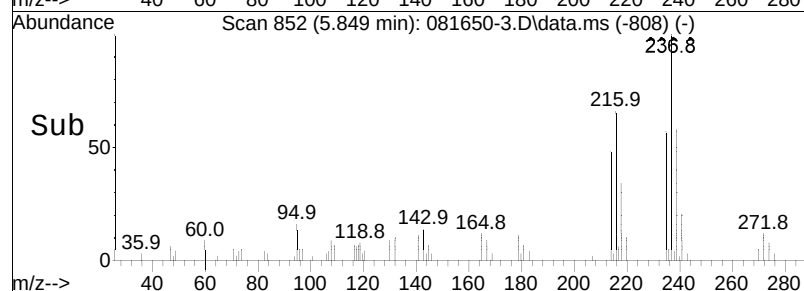
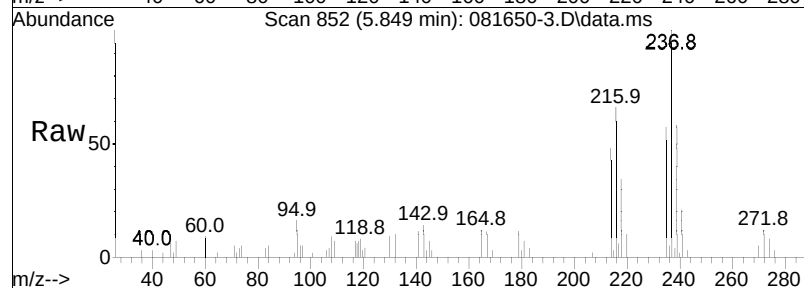
Tgt Ion: 237 Resp: 3988

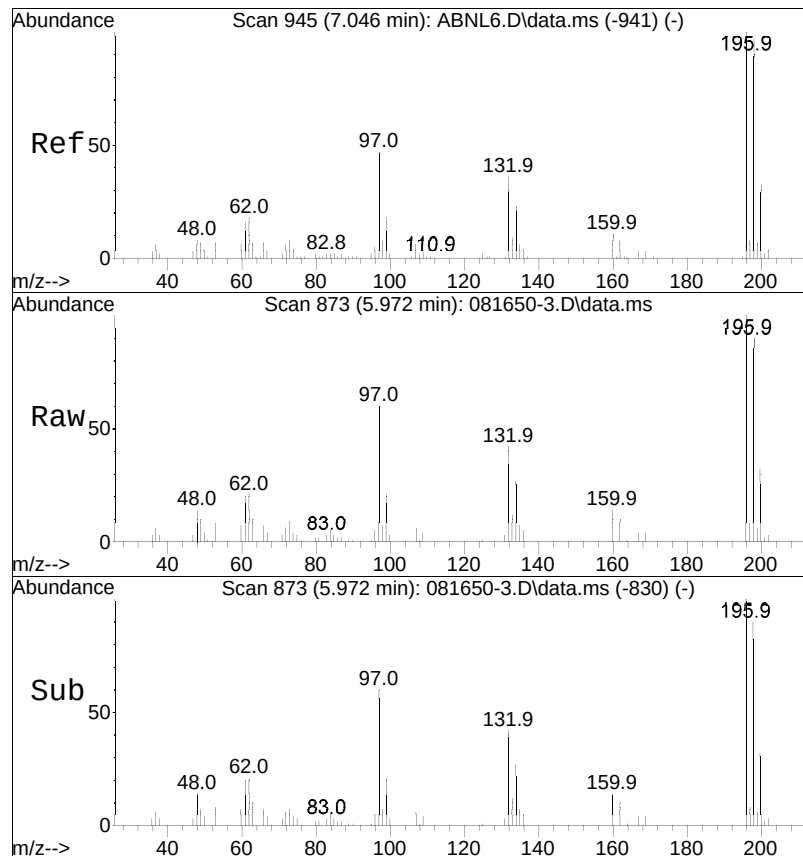
Ion Ratio Lower Upper

237 100

235 56.3 50.9 76.3

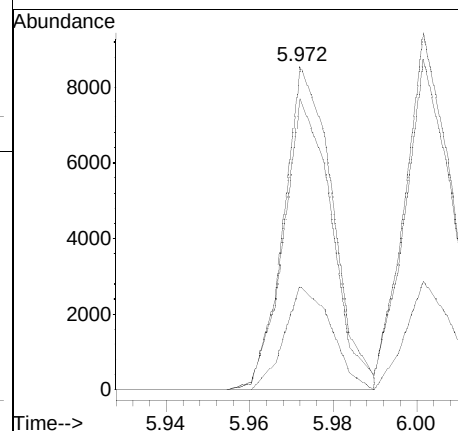
272 0.0 10.1 15.1#

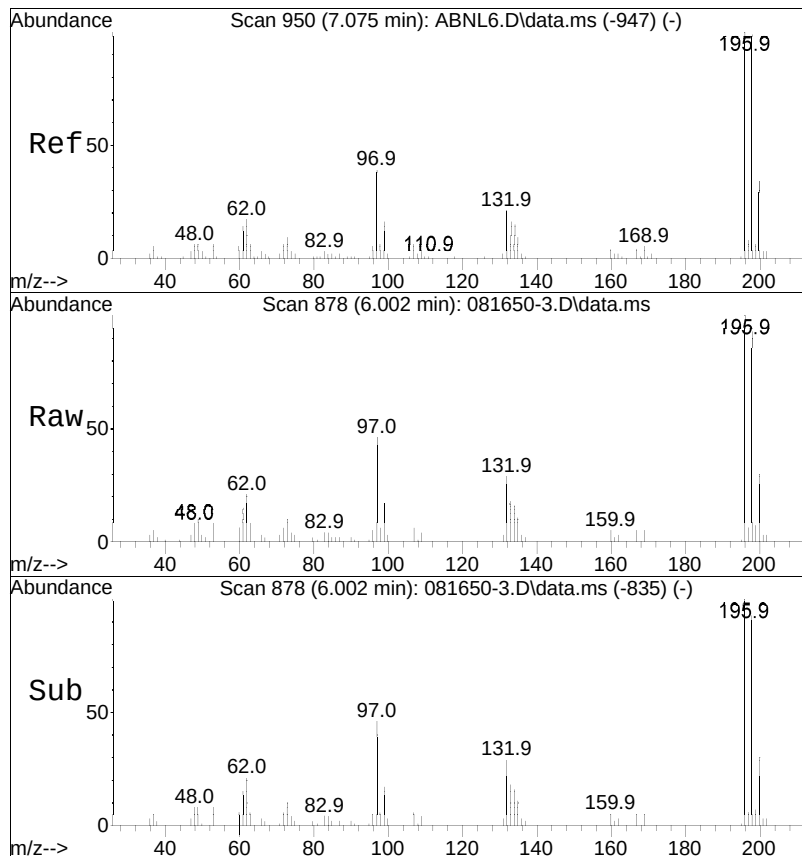




#44
 2,4,6-Trichlorophenol
 Concen: 1.43 ug/ml
 RT: 5.972 min Scan# 873
 Delta R.T. 0.000 min
 Lab File: 081650-3.D
 Acq: 21 Jun 2025 01:21 pm

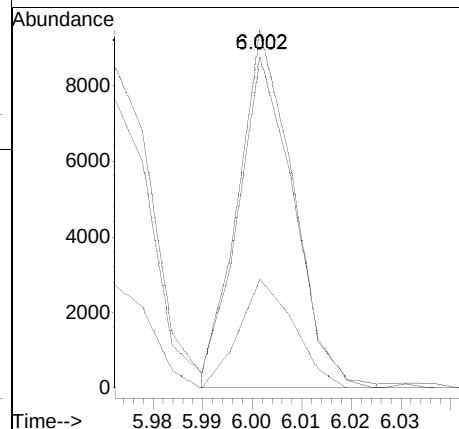
Tgt Ion	Ratio	Lower	Upper
196	100		
198	89.5	76.4	114.6
200	30.6	24.4	36.6

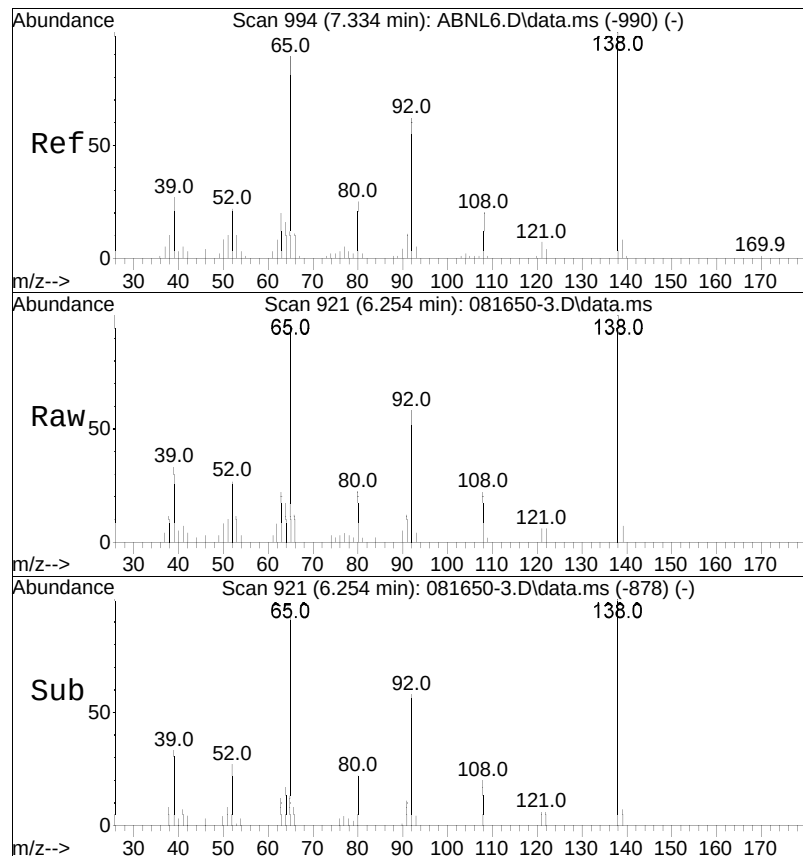




#45
 2,4,5-Trichlorophenol
 Concen: 1.49 ug/ml M3
 RT: 6.002 min Scan# 878
 Delta R.T. 0.000 min
 Lab File: 081650-3.D
 Acq: 21 Jun 2025 01:21 pm

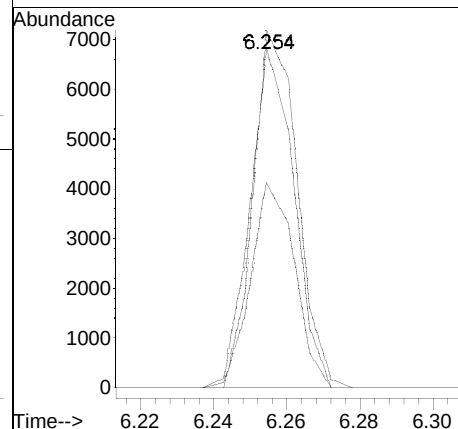
Tgt Ion:	196	Resp:	7279
Ion Ratio	Lower	Upper	
196	100		
200	29.2	24.2	36.4
198	85.5	76.2	114.2

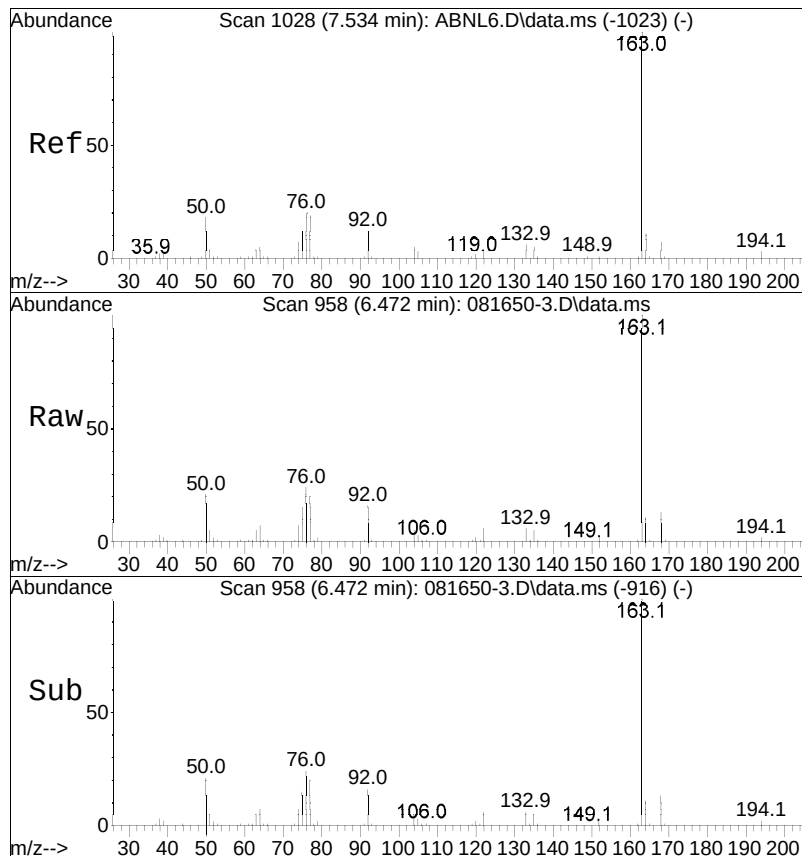




#48
 2-Nitroaniline
 Concen: 1.65 ug/ml
 RT: 6.254 min Scan# 921
 Delta R.T. 0.000 min
 Lab File: 081650-3.D
 Acq: 21 Jun 2025 01:21 pm

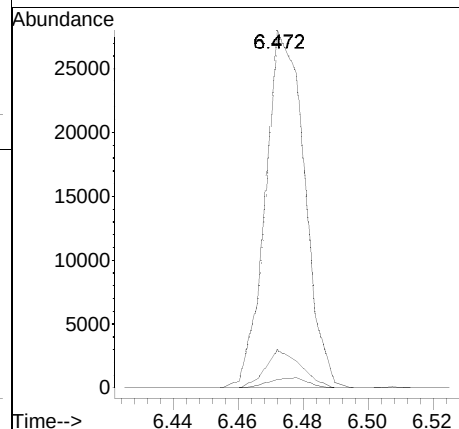
Tgt Ion:	138	Resp:	5986
Ion Ratio	Lower	Upper	
138	100		
92	57.0	52.1	78.1
65	94.1	75.9	113.9

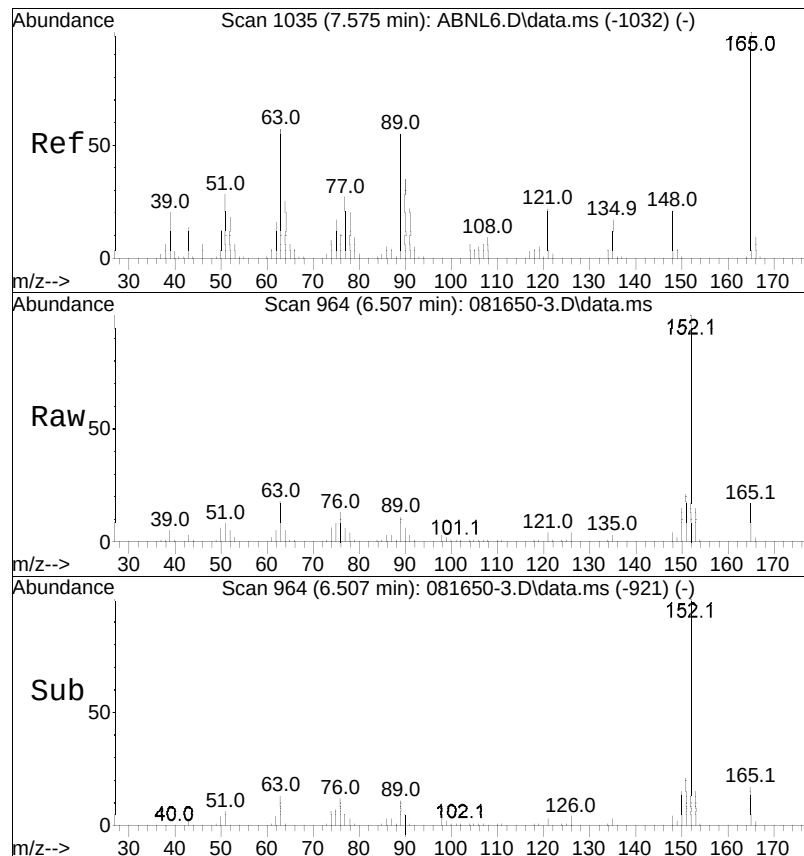




#51
 Dimethyl phthalate
 Concen: 1.34 ug/ml
 RT: 6.472 min Scan# 958
 Delta R.T. -0.006 min
 Lab File: 081650-3.D
 Acq: 21 Jun 2025 01:21 pm

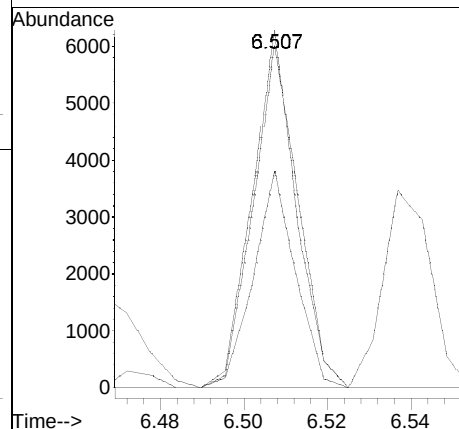
Tgt Ion:	163	Resp:	23153
Ion Ratio	Lower	Upper	
163	100		
194	2.9	2.3	3.5
164	9.8	8.2	12.2

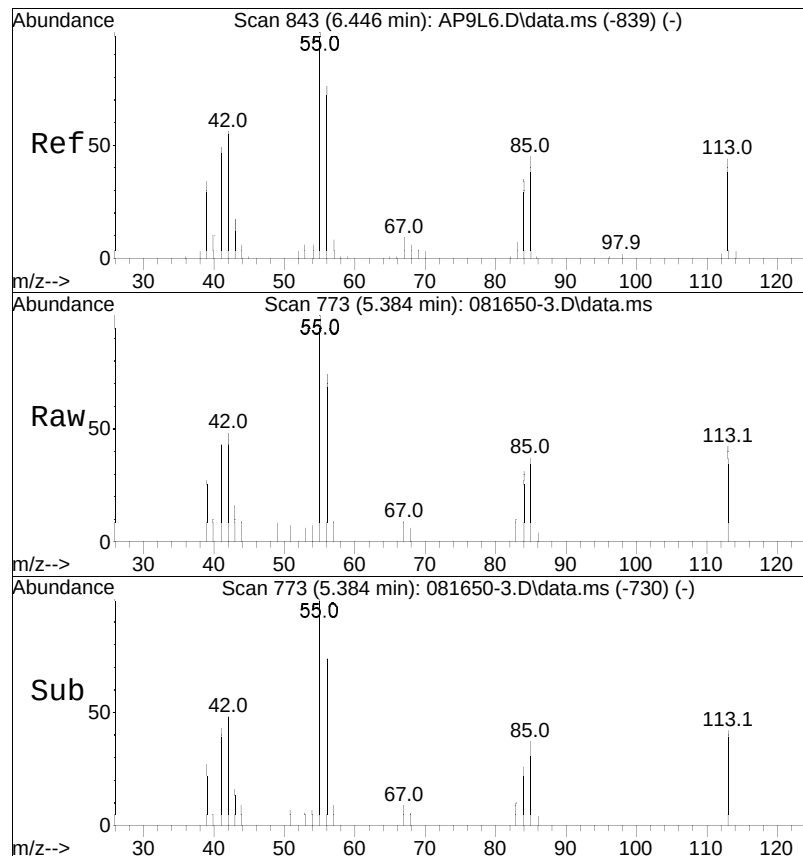




#53
 2,6-Dinitrotoluene
 Concen: 1.42 ug/ml
 RT: 6.507 min Scan# 964
 Delta R.T. 0.000 min
 Lab File: 081650-3.D
 Acq: 21 Jun 2025 01:21 pm

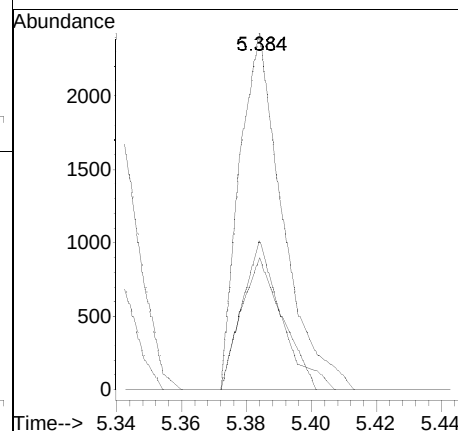
Tgt Ion	Ratio	Lower	Upper
165	100		
89	59.3	48.8	73.2
63	101.3	50.5	75.7#

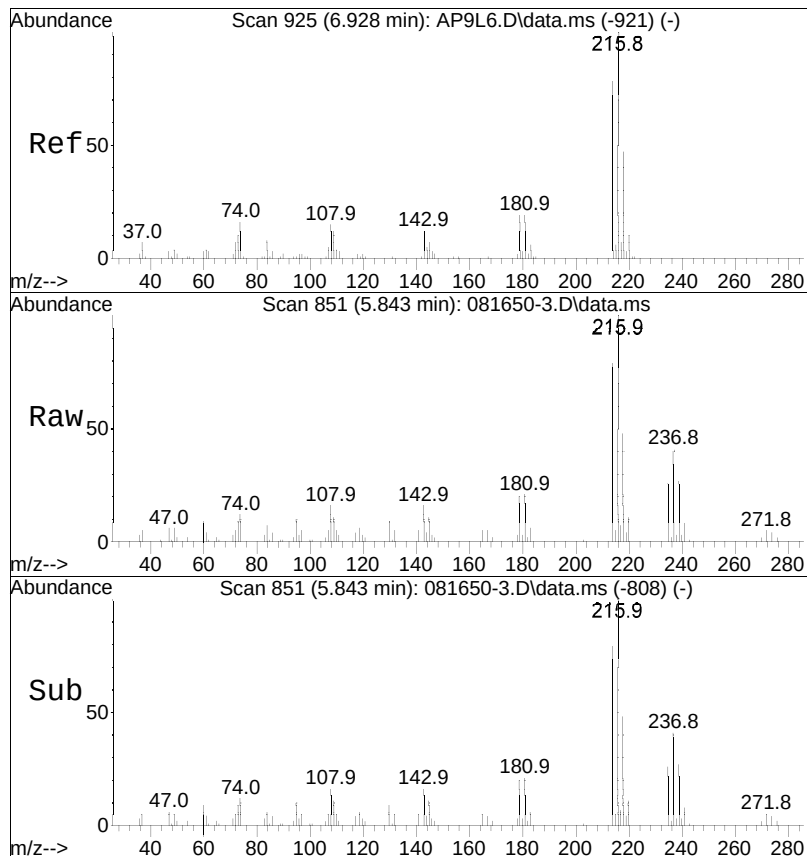




#60
 Caprolactam
 Concen: 0.96 ug/ml
 RT: 5.384 min Scan# 773
 Delta R.T. 0.000 min
 Lab File: 081650-3.D
 Acq: 21 Jun 2025 01:21 pm

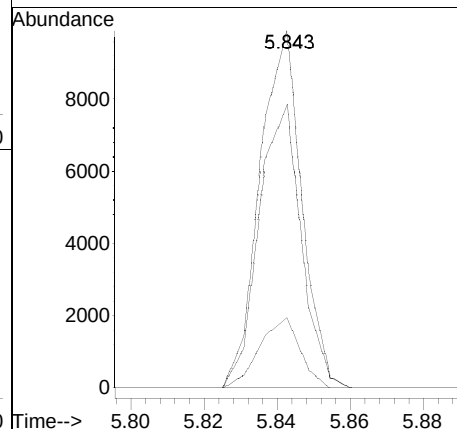
Tgt Ion	Ratio	Lower	Upper
55	100		
85	35.6	35.2	52.8
113	38.2	36.6	55.0

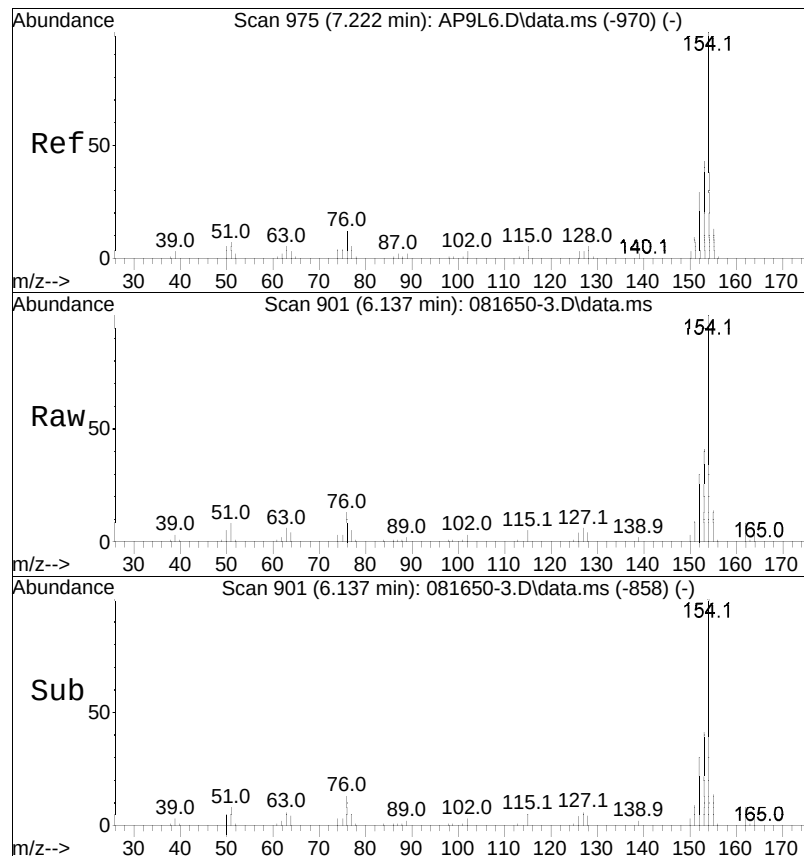




#61
 1,2,4,5-Tetrachlorobenzene
 Concen: 1.00 ug/ml
 RT: 5.843 min Scan# 851
 Delta R.T. 0.000 min
 Lab File: 081650-3.D
 Acq: 21 Jun 2025 01:21 pm

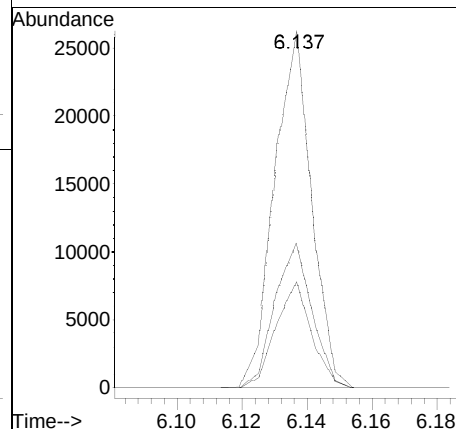
Tgt Ion:	216	Resp:	7862
Ion Ratio	Lower	Upper	
216	100		
214	79.9	64.0	96.0
179	19.1	18.7	28.1

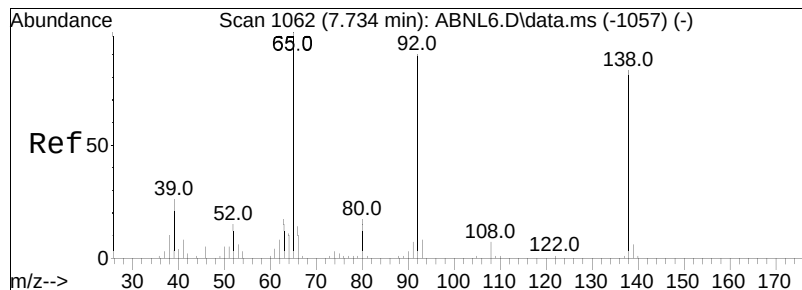




#62
 Biphenyl
 Concen: 1.30 ug/ml
 RT: 6.137 min Scan# 901
 Delta R.T. 0.000 min
 Lab File: 081650-3.D
 Acq: 21 Jun 2025 01:21 pm

Tgt Ion:	154	Resp:	20705
Ion Ratio	Lower	Upper	
154	100		
153	40.7	32.5	48.7
152	28.8	22.6	34.0





#64

3-Nitroaniline

Concen: 1.57 ug/ml

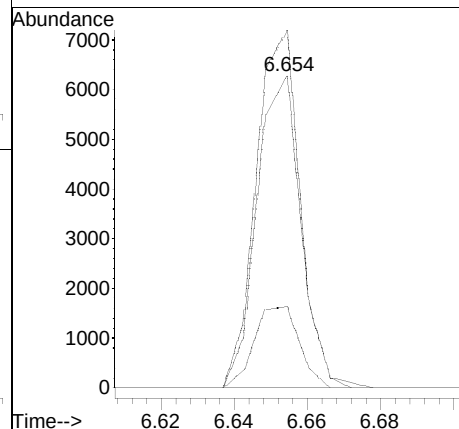
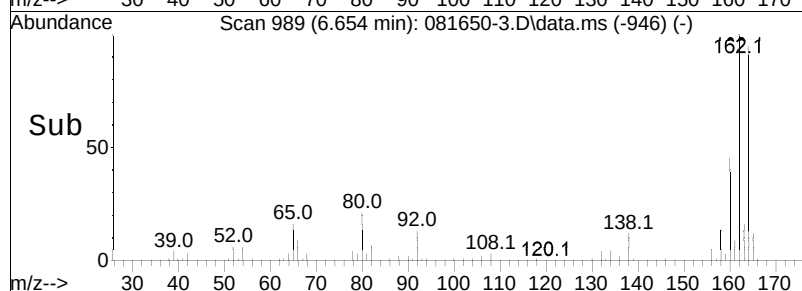
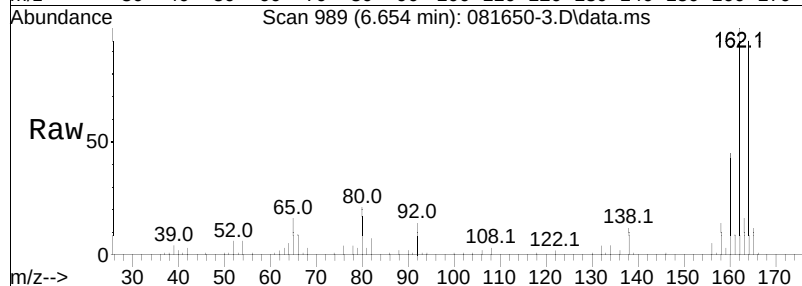
RT: 6.654 min Scan# 989

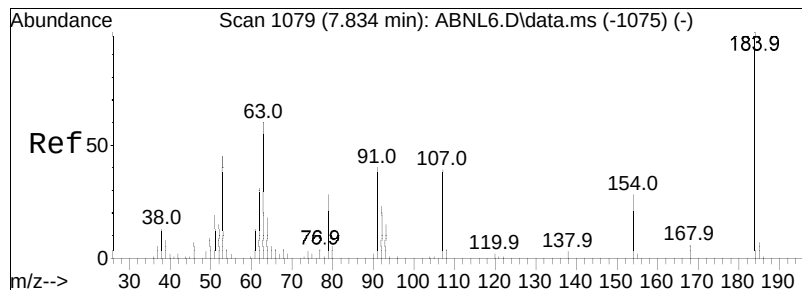
Delta R.T. 0.000 min

Lab File: 081650-3.D

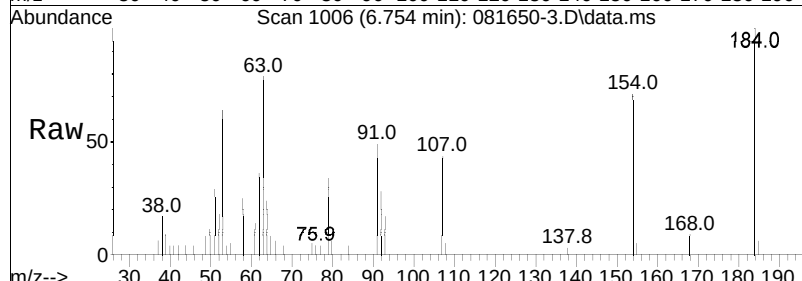
Acq: 21 Jun 2025 01:21 pm

Tgt Ion:	138	Resp:	5195
Ion Ratio	Lower	Upper	
138	100		
92	114.9	92.8	139.2
108	27.0	7.9	11.9#

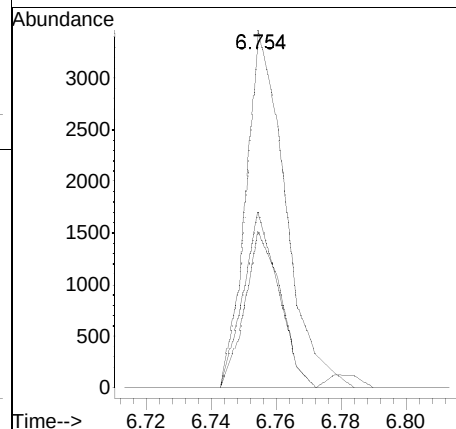
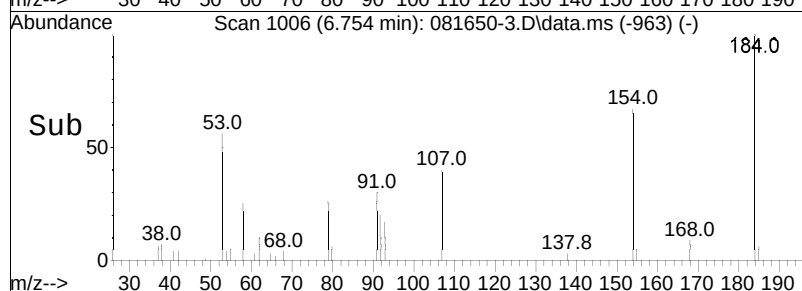


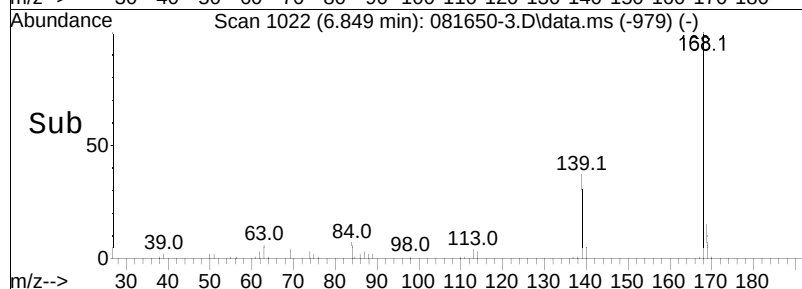
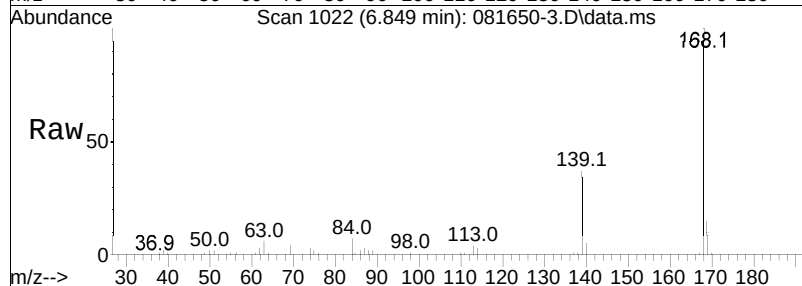
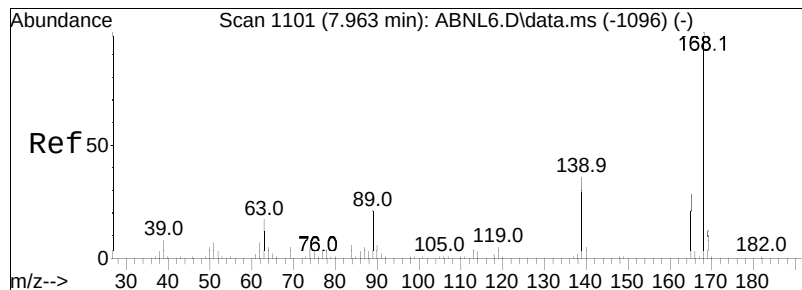


#66
 2,4-Dinitrophenol
 Concen: 1.55 ug/ml
 RT: 6.754 min Scan# 1006
 Delta R.T. 0.000 min
 Lab File: 081650-3.D
 Acq: 21 Jun 2025 01:21 pm



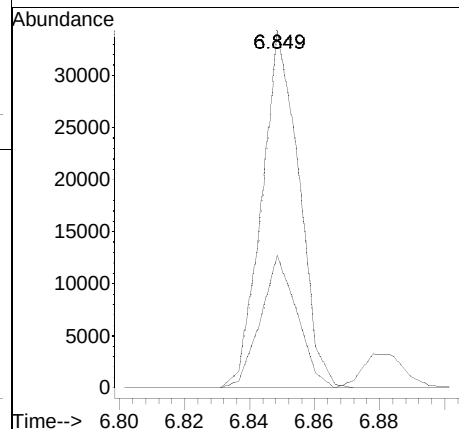
Tgt Ion	Ratio	Lower	Upper
184	100		
107	39.8	41.8	62.6#
91	43.7	44.2	66.2#

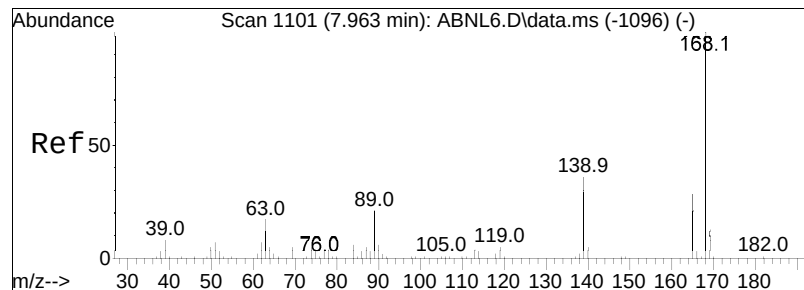




#67
 Dibenzofuran
 Concen: 1.37 ug/ml
 RT: 6.849 min Scan# 1022
 Delta R.T. 0.000 min
 Lab File: 081650-3.D
 Acq: 21 Jun 2025 01:21 pm

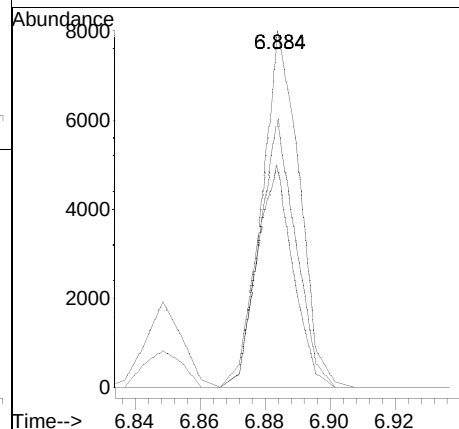
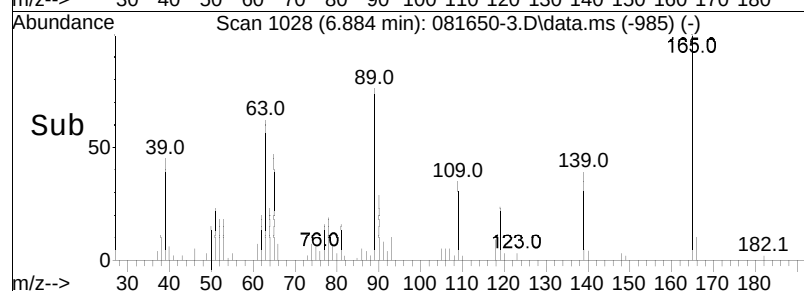
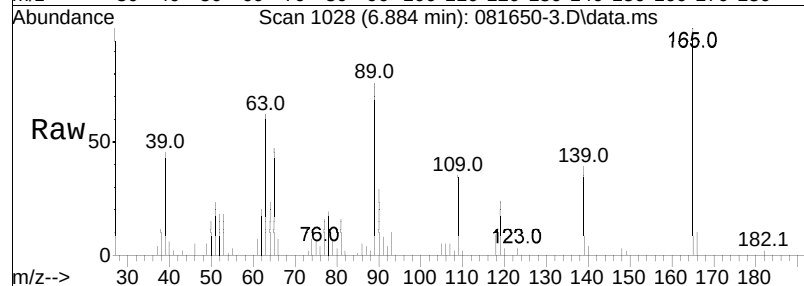
Tgt Ion	Ratio	Lower	Upper
168	100		
139	36.4	32.3	48.5

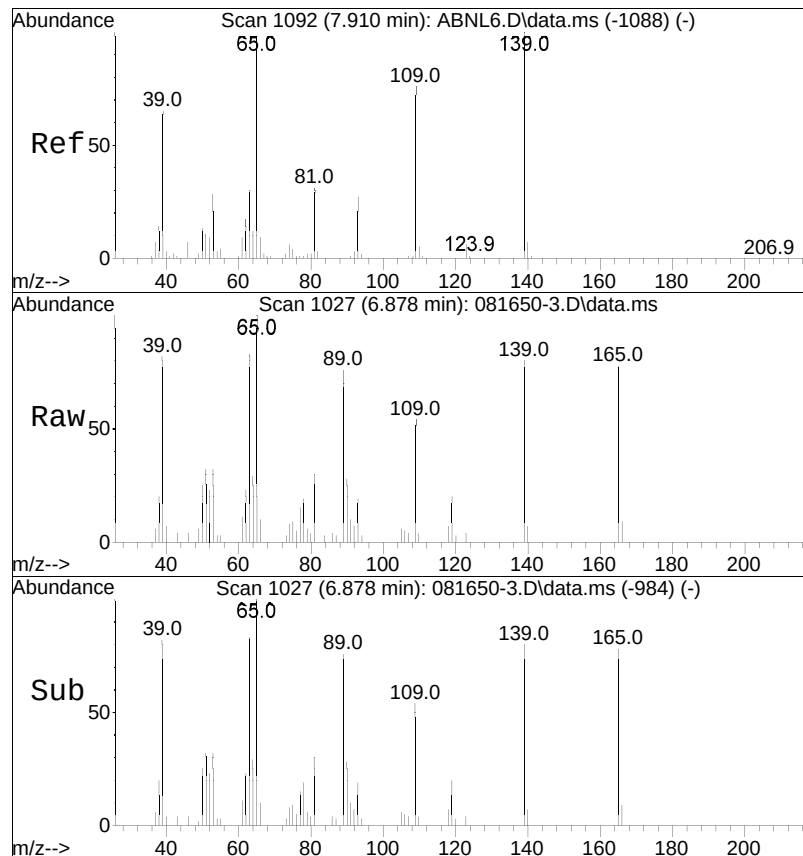




#68
 2,4-Dinitrotoluene
 Concen: 1.46 ug/ml
 RT: 6.884 min Scan# 1028
 Delta R.T. 0.000 min
 Lab File: 081650-3.D
 Acq: 21 Jun 2025 01:21 pm

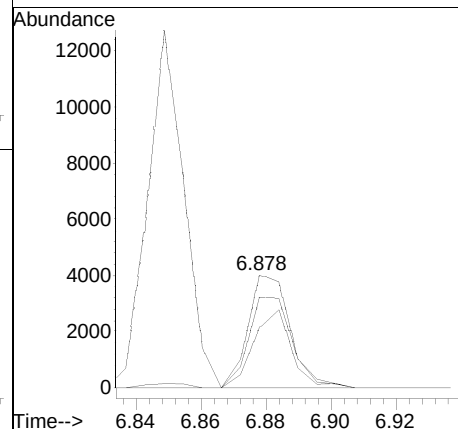
Tgt Ion	Ratio	Lower	Upper
165	100		
89	73.5	73.0	109.4
63	63.2	56.3	84.5

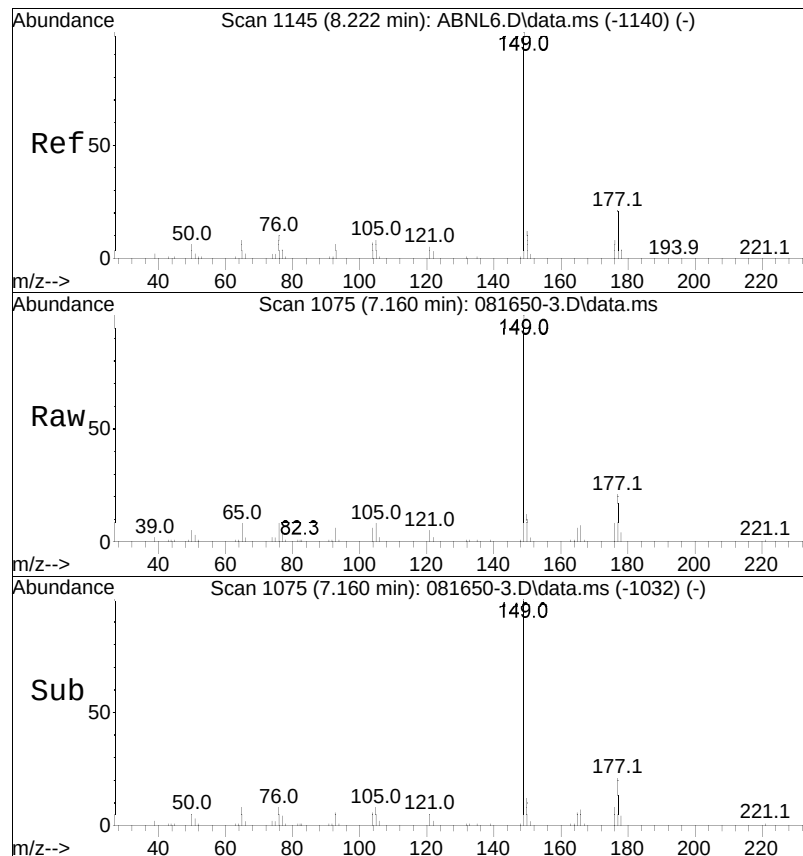




#69
 4-Nitrophenol
 Concen: 1.48 ug/ml
 RT: 6.878 min Scan# 1027
 Delta R.T. 0.000 min
 Lab File: 081650-3.D
 Acq: 21 Jun 2025 01:21 pm

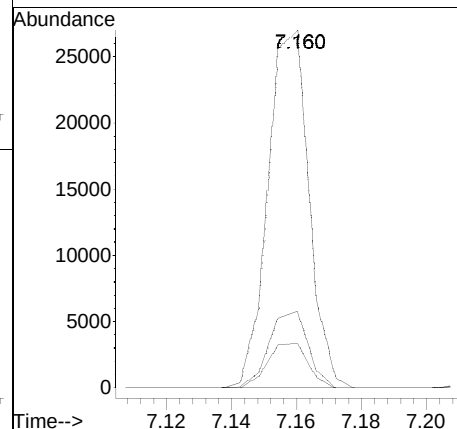
Tgt Ion:	65	Resp:	3630
Ion Ratio	Lower	Upper	
65	100		
109	62.2	60.2	90.2
139	82.7	81.1	121.7

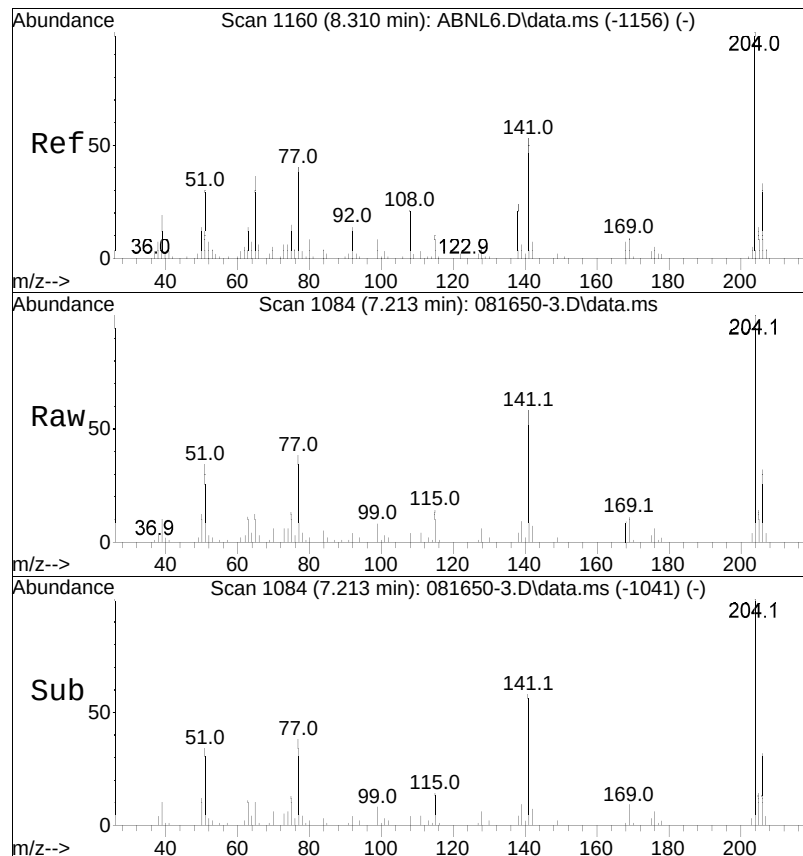




#72
 Diethyl phthalate
 Concen: 1.46 ug/ml
 RT: 7.160 min Scan# 1075
 Delta R.T. 0.000 min
 Lab File: 081650-3.D
 Acq: 21 Jun 2025 01:21 pm

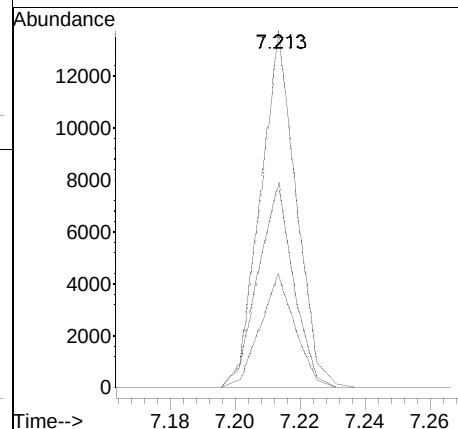
Tgt Ion:	149	Resp:	23330
Ion Ratio	Lower	Upper	
149	100		
177	20.6	15.0	22.6
150	12.5	9.8	14.6

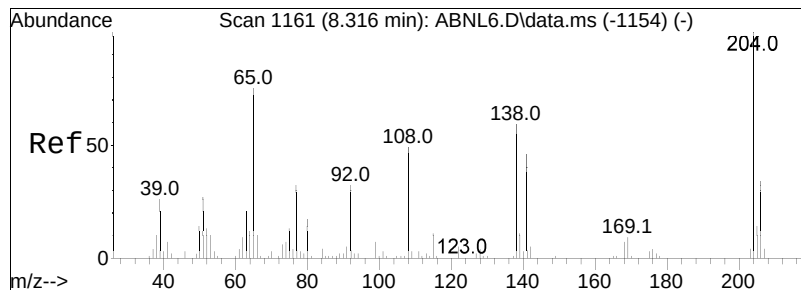




#74
 4-Chlorophenyl phenyl ether
 Concen: 1.27 ug/ml
 RT: 7.213 min Scan# 1084
 Delta R.T. 0.000 min
 Lab File: 081650-3.D
 Acq: 21 Jun 2025 01:21 pm

Tgt Ion:	204	Resp:	10380
Ion Ratio	Lower	Upper	
204	100		
206	31.3	26.3	39.5
141	57.1	58.4	87.6#





#75

4-Nitroaniline

Concen: 1.60 ug/ml

RT: 7.225 min Scan# 1086

Delta R.T. 0.000 min

Lab File: 081650-3.D

Acq: 21 Jun 2025 01:21 pm

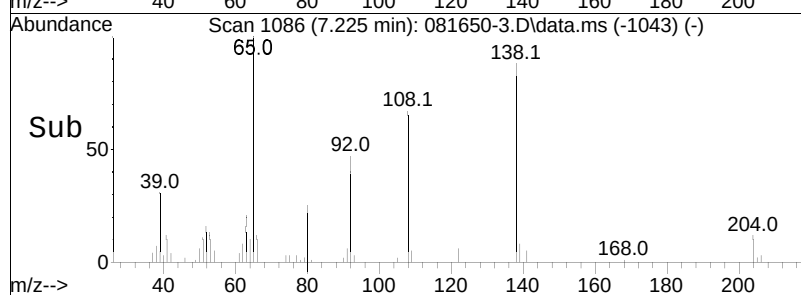
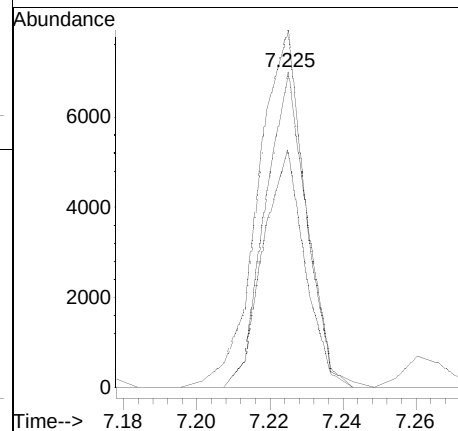
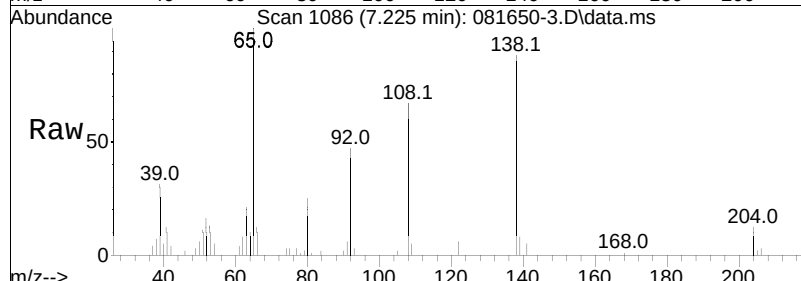
Tgt Ion:138 Resp: 5506

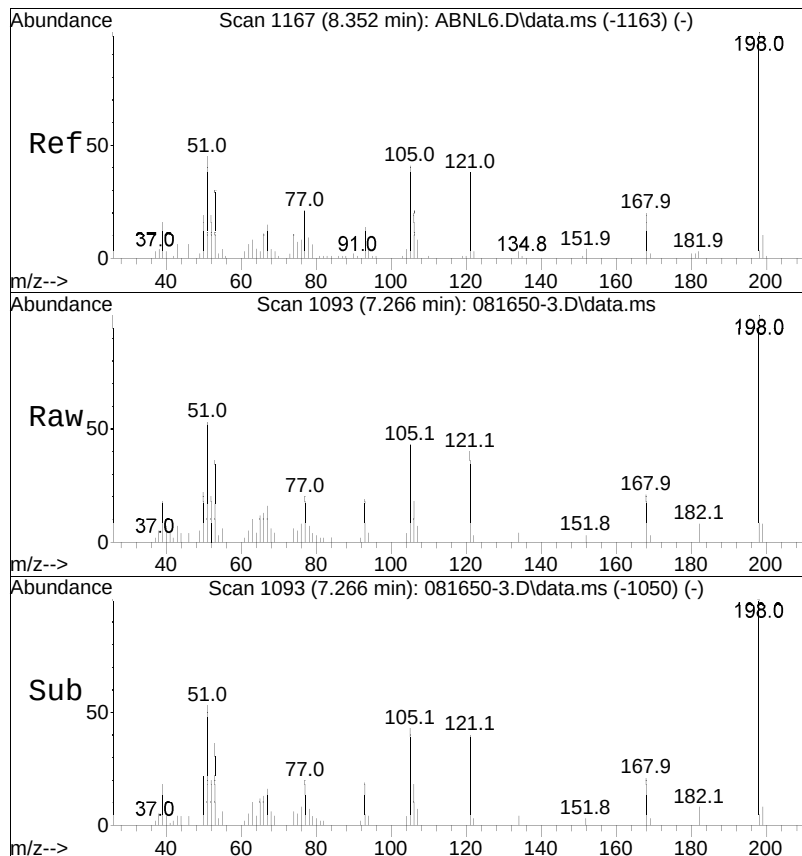
Ion Ratio Lower Upper

138 100

108 75.9 59.2 88.8

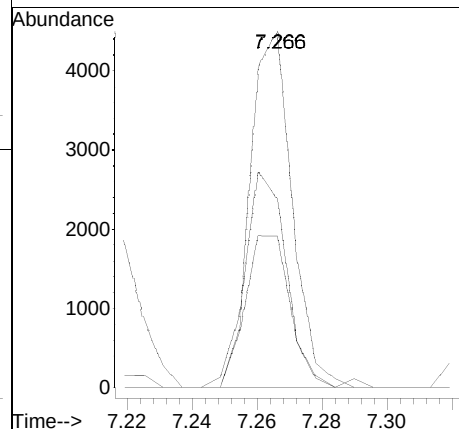
65 128.5 97.6 146.4

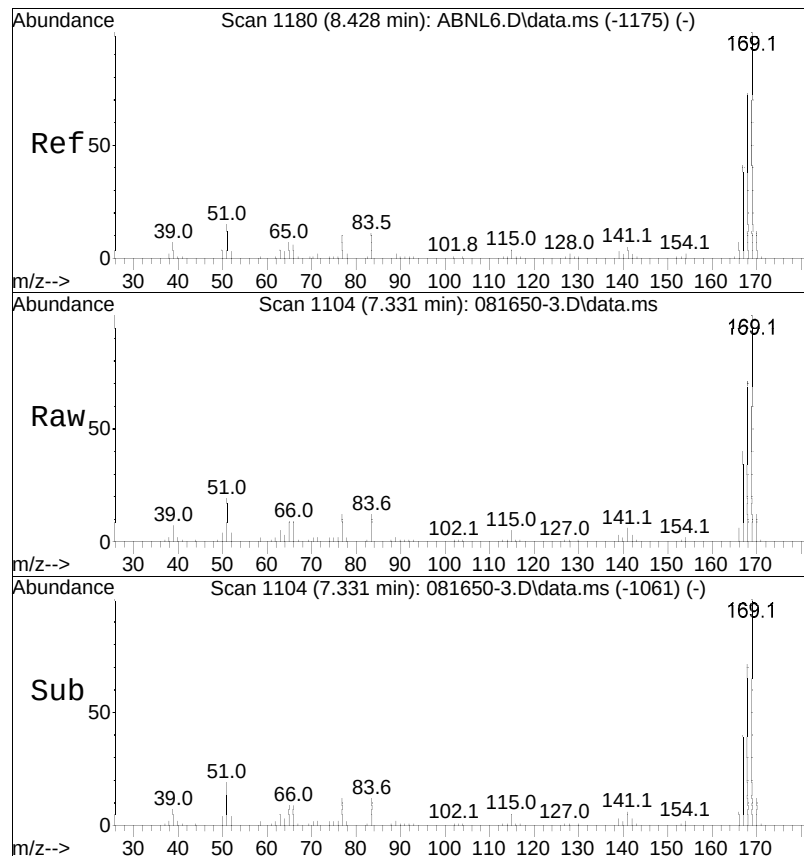




#76
 4,6-Dinitro-o-cresol
 Concen: 1.60 ug/ml
 RT: 7.266 min Scan# 1093
 Delta R.T. 0.000 min
 Lab File: 081650-3.D
 Acq: 21 Jun 2025 01:21 pm

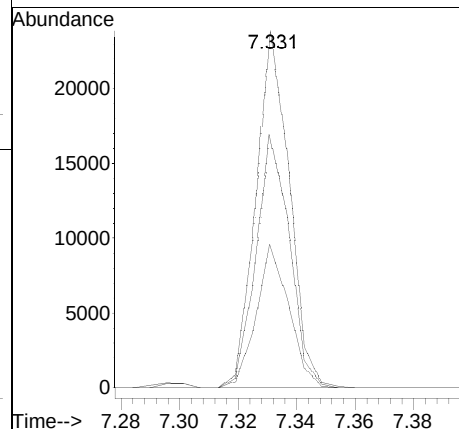
Tgt Ion:	198	Resp:	4000
Ion Ratio	Lower	Upper	
198	100		
51	61.7	49.9	74.9
105	46.1	45.8	68.6

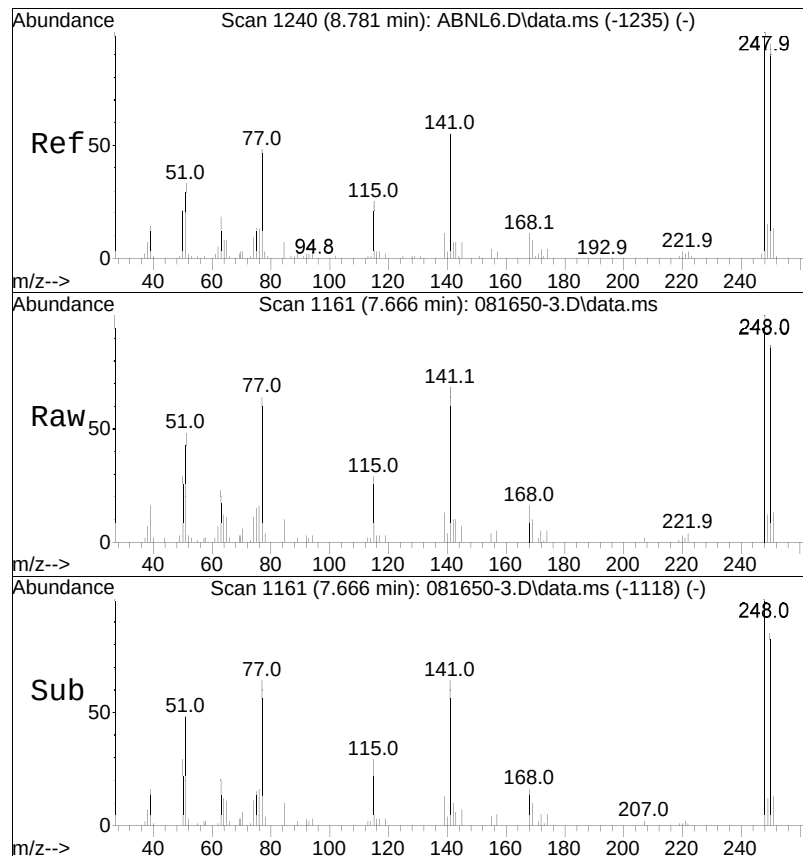




#77
 NDPA/DPA
 Concen: 1.48 ug/ml
 RT: 7.331 min Scan# 1104
 Delta R.T. 0.000 min
 Lab File: 081650-3.D
 Acq: 21 Jun 2025 01:21 pm

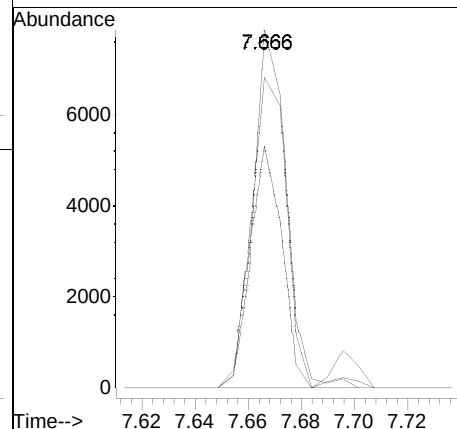
Tgt Ion	Ratio	Lower	Upper
169	100		
168	71.0	55.2	82.8
167	39.5	30.4	45.6

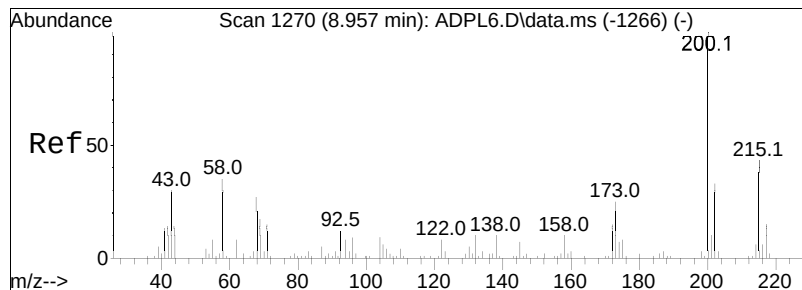




#80
 4-Bromophenyl phenyl ether
 Concen: 1.25 ug/ml
 RT: 7.666 min Scan# 1161
 Delta R.T. 0.000 min
 Lab File: 081650-3.D
 Acq: 21 Jun 2025 01:21 pm

Tgt Ion:	248	Resp:	6682
Ion Ratio	Lower	Upper	
248	100		
141	67.1	74.6	111.8#
250	93.0	76.9	115.3





#87

Atrazine

Concen: 1.53 ug/ml

RT: 7.884 min Scan# 1198

Delta R.T. -0.000 min

Lab File: 081650-3.D

Acq: 21 Jun 2025 01:21 pm

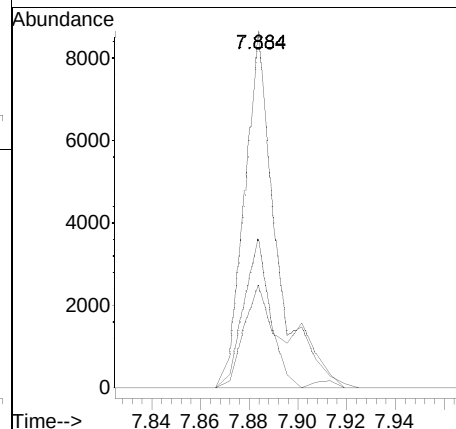
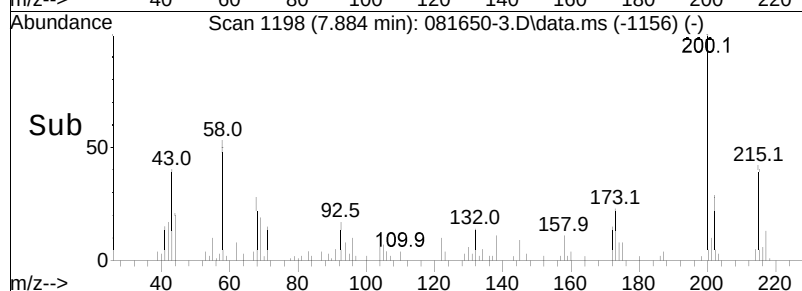
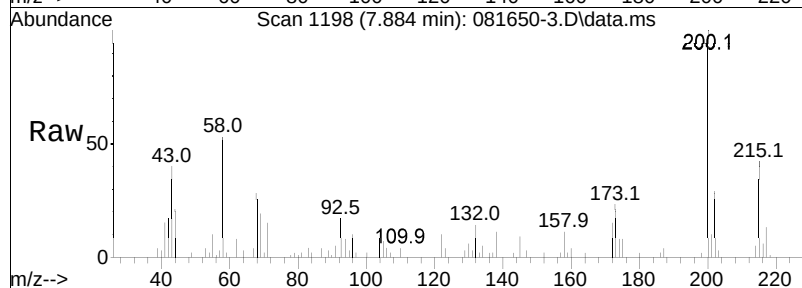
Tgt Ion: 200 Resp: 7714

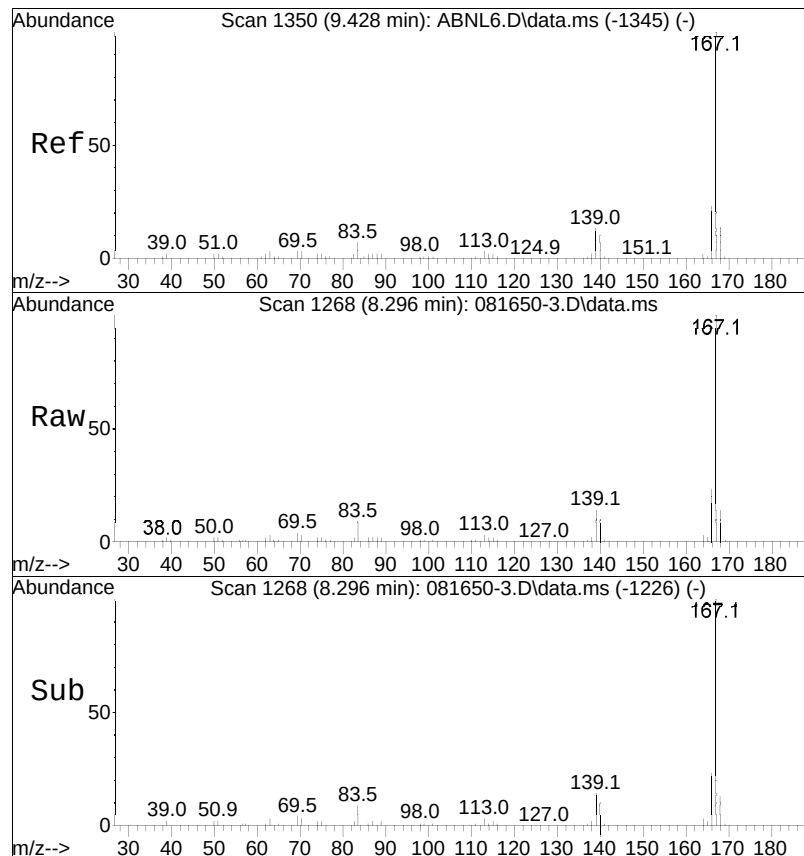
Ion Ratio Lower Upper

200 100

202 42.4 25.0 37.6#

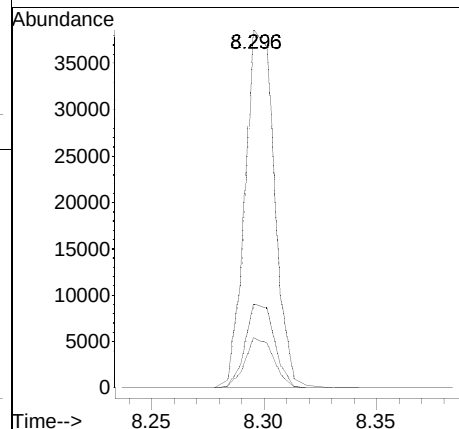
215 36.8 34.5 51.7

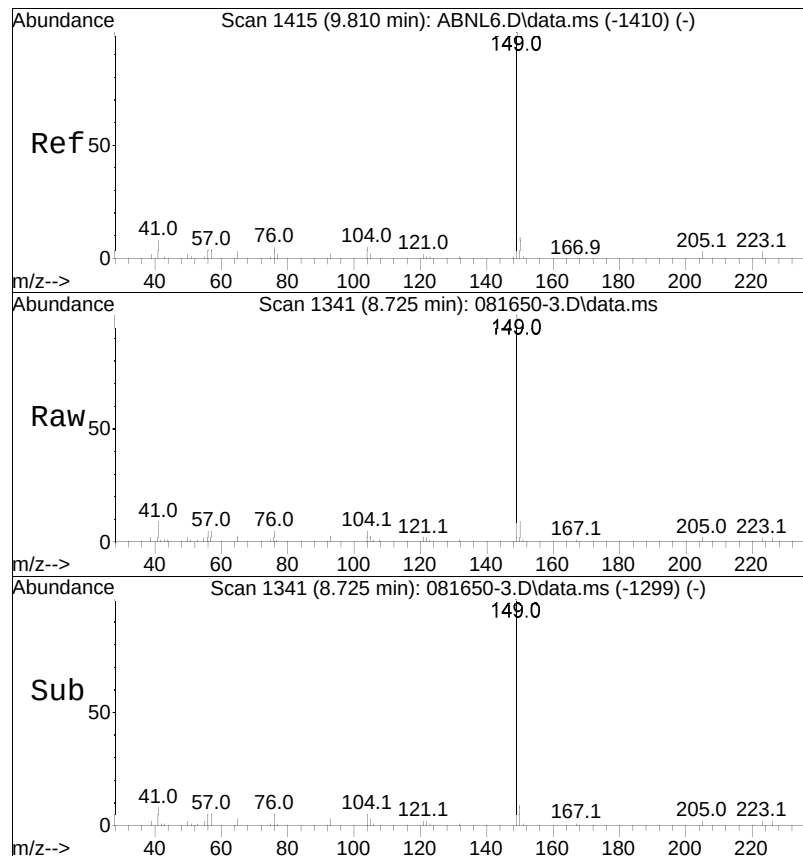




#91
 Carbazole
 Concen: 1.61 ug/ml
 RT: 8.296 min Scan# 1268
 Delta R.T. -0.006 min
 Lab File: 081650-3.D
 Acq: 21 Jun 2025 01:21 pm

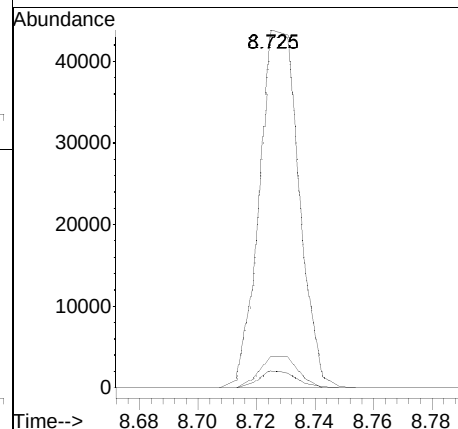
Tgt Ion:	167	Resp:	34897
Ion Ratio	Lower	Upper	
167	100		
168	13.8	10.8	16.2
166	23.2	17.7	26.5

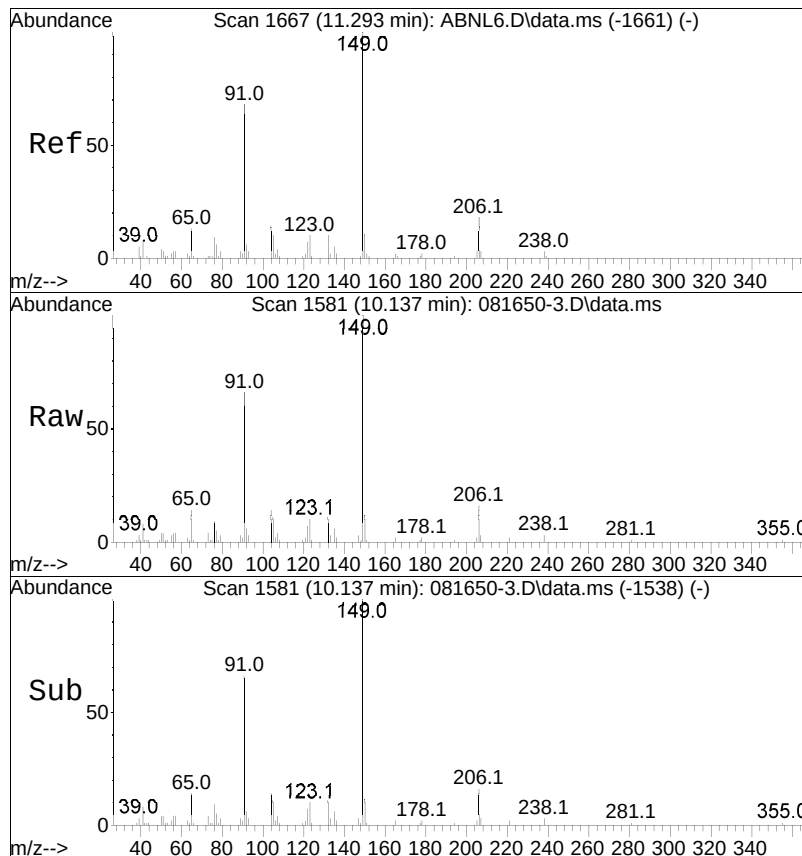




#92
 Di-n-butylphthalate
 Concen: 1.68 ug/ml
 RT: 8.725 min Scan# 1341
 Delta R.T. -0.006 min
 Lab File: 081650-3.D
 Acq: 21 Jun 2025 01:21 pm

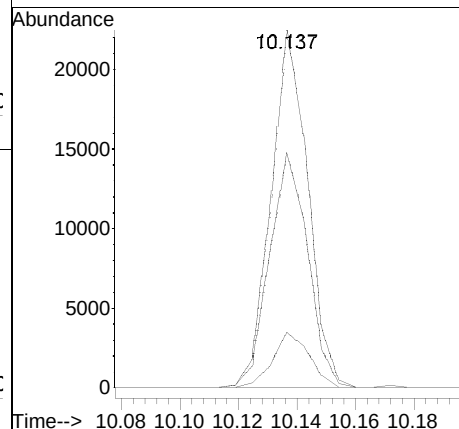
Tgt	Ion:149	Resp:	40902
Ion	Ratio	Lower	Upper
149	100		
150	8.5	7.3	10.9
104	4.5	4.0	6.0

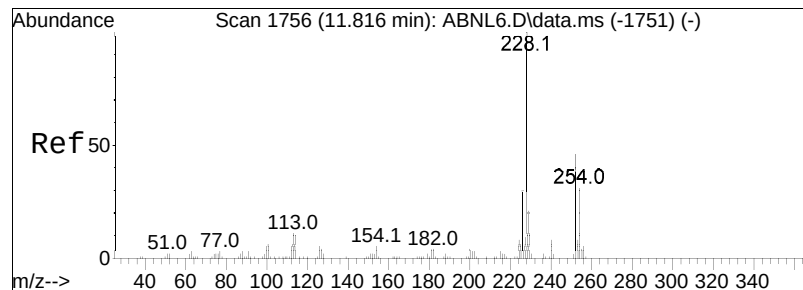




#97
 Butyl benzyl phthalate
 Concen: 1.83 ug/ml
 RT: 10.137 min Scan# 1581
 Delta R.T. 0.000 min
 Lab File: 081650-3.D
 Acq: 21 Jun 2025 01:21 pm

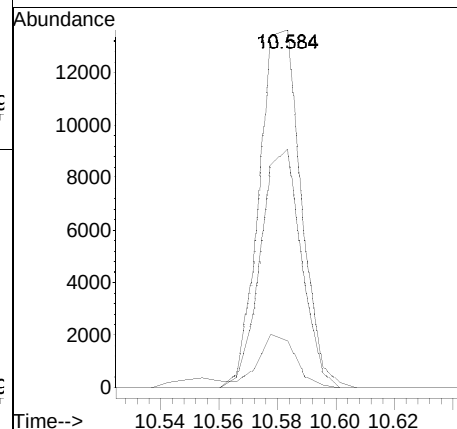
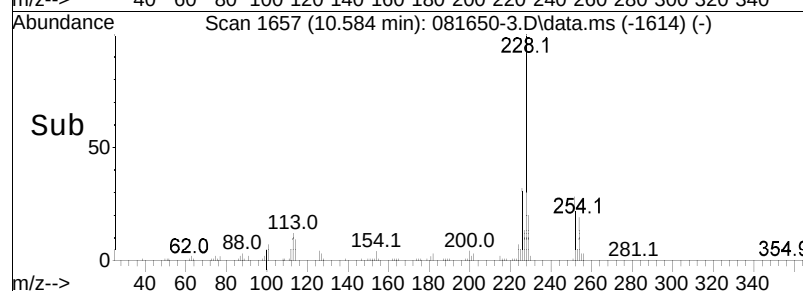
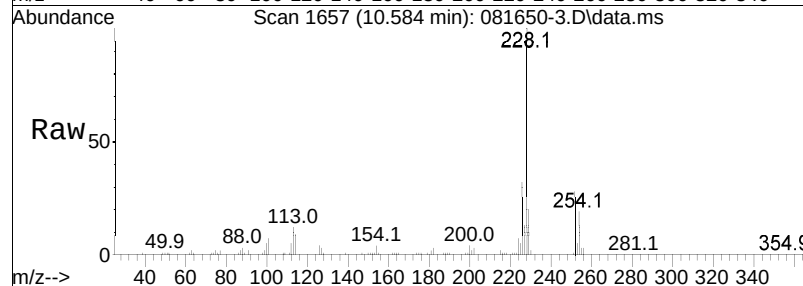
Tgt Ion:	149	Resp:	19400
Ion Ratio	Lower	Upper	
149	100		
91	68.4	57.9	86.9
206	15.5	11.9	17.9

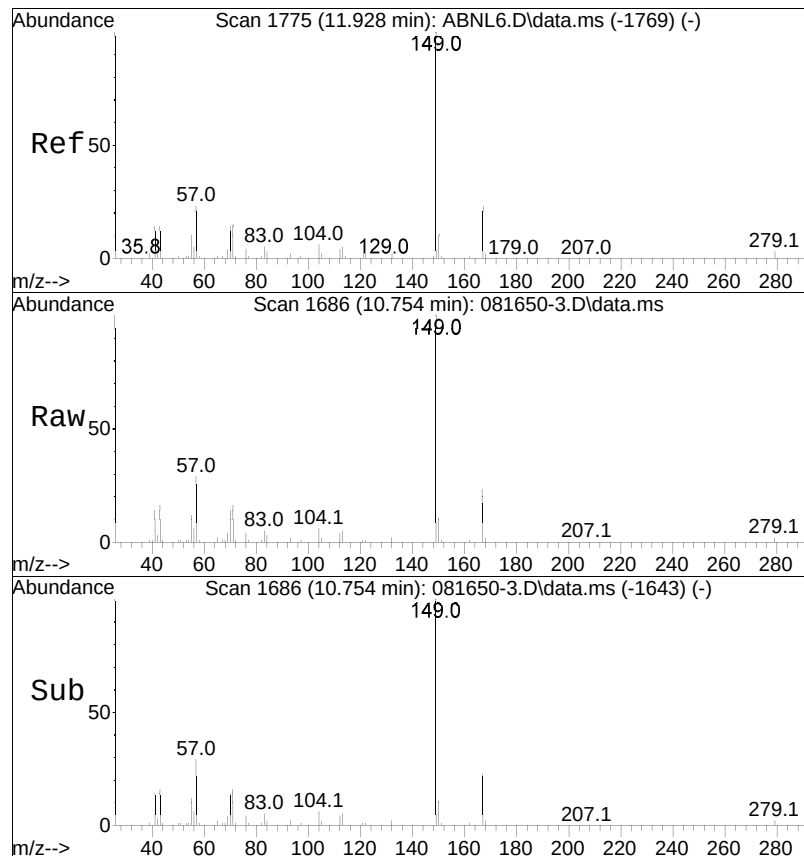




#106
 3,3'-Dichlorobenzidine
 Concen: 1.21 ug/ml
 RT: 10.584 min Scan# 1657
 Delta R.T. 0.000 min
 Lab File: 081650-3.D
 Acq: 21 Jun 2025 01:21 pm

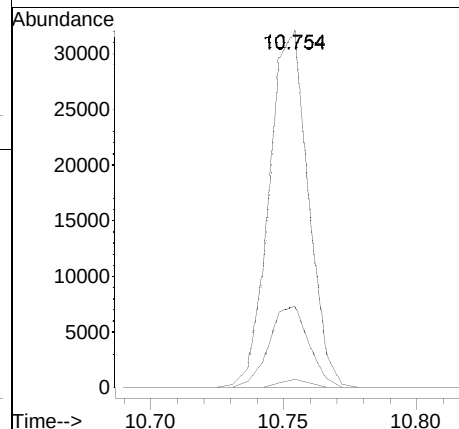
Tgt Ion	Ratio	Lower	Upper
252	100		
126	16.5	12.6	19.0
254	65.3	51.1	76.7

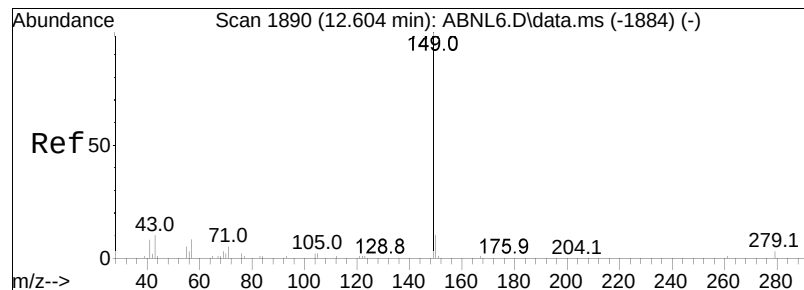




#108
 Bis(2-ethylhexyl)phthalate
 Concen: 2.10 ug/ml
 RT: 10.754 min Scan# 1686
 Delta R.T. 0.000 min
 Lab File: 081650-3.D
 Acq: 21 Jun 2025 01:21 pm

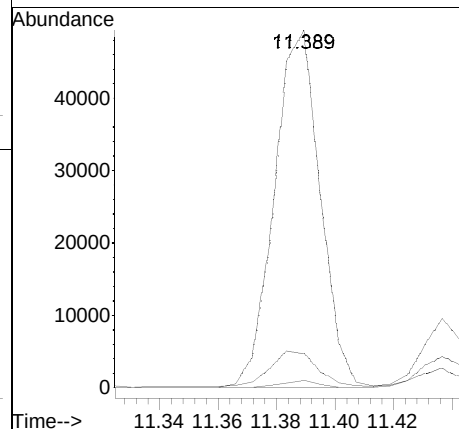
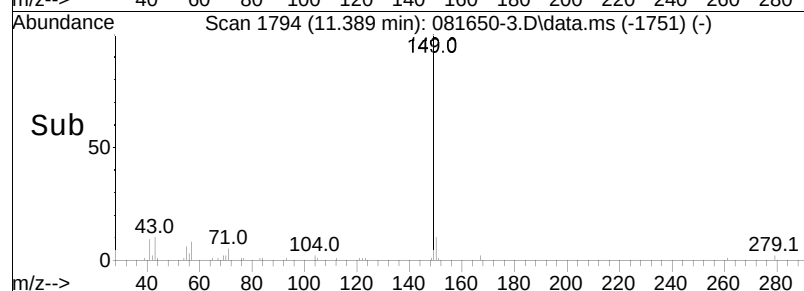
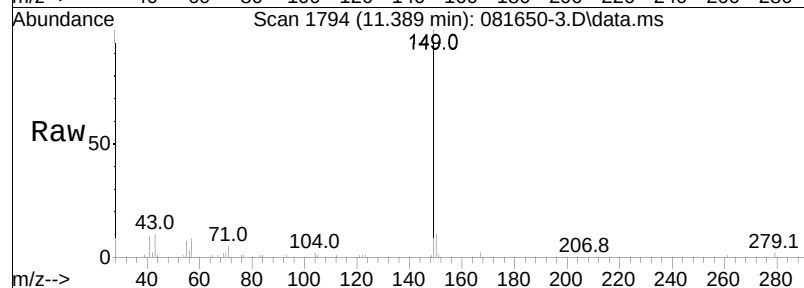
Tgt Ion:	149	Resp:	32511
Ion Ratio	Lower	Upper	
149	100		
167	23.2	18.4	27.6
279	1.6	1.7	2.5#





#109
 Di-n-octylphthalate
 Concen: 2.15 ug/ml
 RT: 11.389 min Scan# 1794
 Delta R.T. 0.000 min
 Lab File: 081650-3.D
 Acq: 21 Jun 2025 01:21 pm

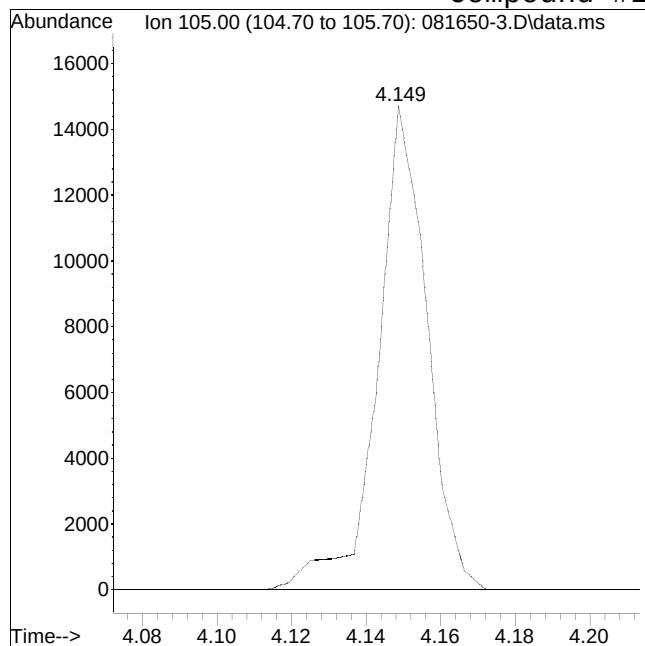
Tgt Ion	Ratio	Lower	Upper
149	100		
43	10.4	8.2	12.2
167	1.4	1.1	1.7



Manual Integration Report

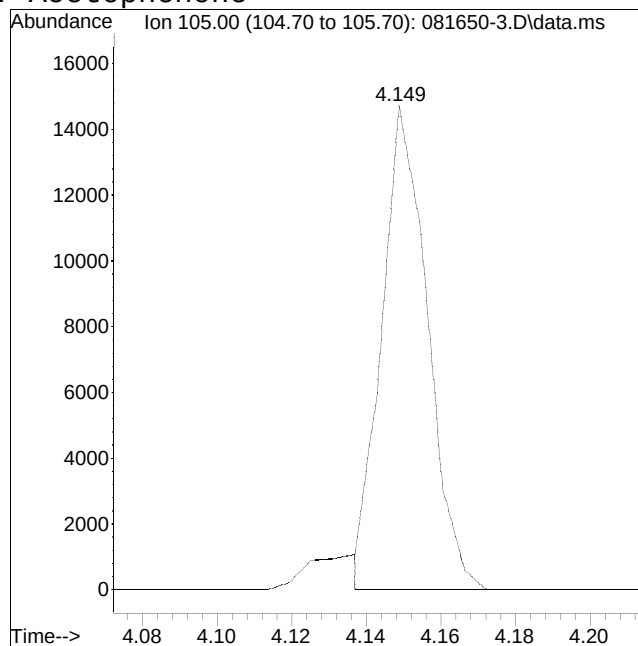
Data Path : I:\8270\SV112\250621RVTb\ QMethod : FS250313SV112RVT.m
Data File : 081650-3.D Operator : SV112:smz
Date Inj'd : 6/21/2025 1:21 pm Instrument : SV112
Sample : WG2081650-3,32,,gmr Quant Date : 6/22/2025 6:48 am

Compound #29: Acetophenone



Original Peak Response = 13559

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

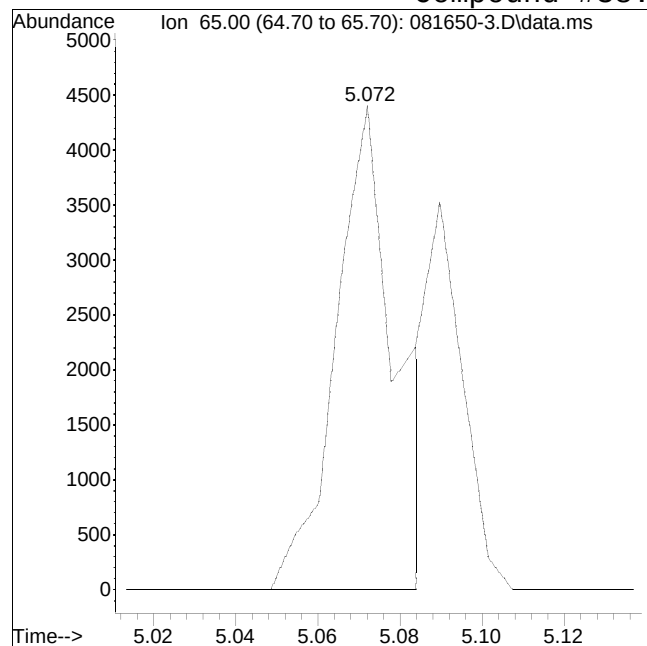


Manual Peak Response = 12455 M6

Manual Integration Report

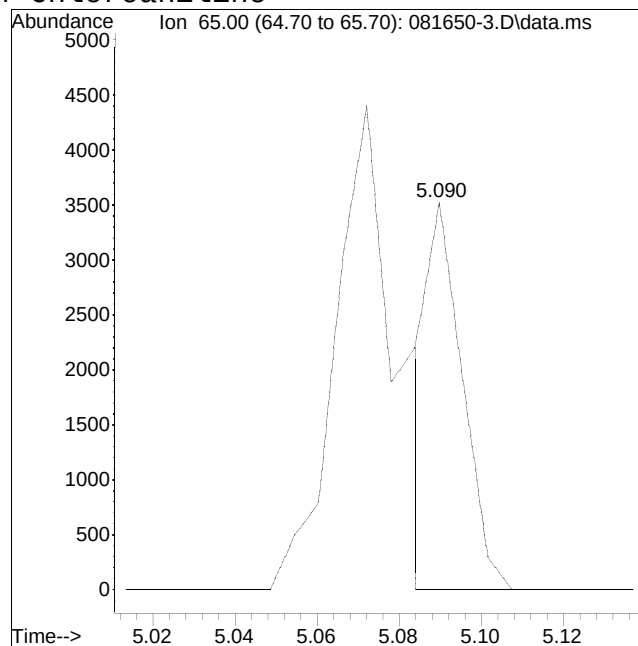
Data Path : I:\8270\SV112\250621RVTb\ QMethod : FS250313SV112RVT.m
Data File : 081650-3.D Operator : SV112:smz
Date Inj'd : 6/21/2025 1:21 pm Instrument : SV112
Sample : WG2081650-3,32,,gmr Quant Date : 6/22/2025 6:48 am

Compound #38: 4-Chloroaniline



Original Peak Response = 4520

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

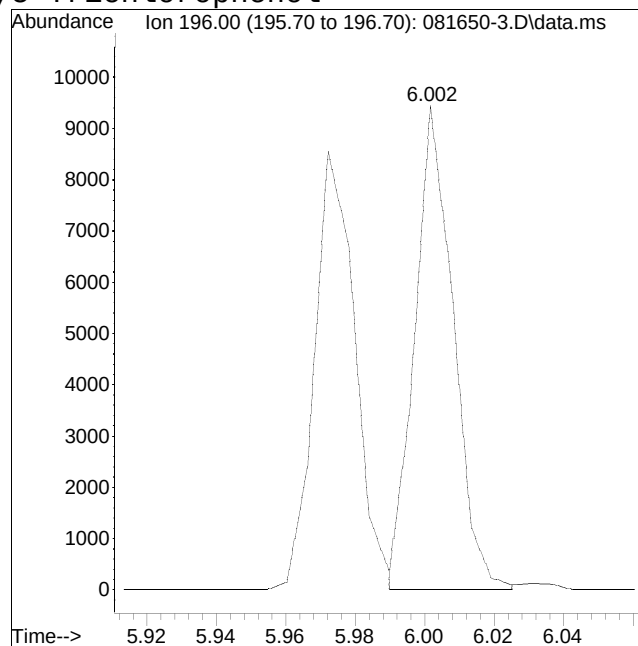
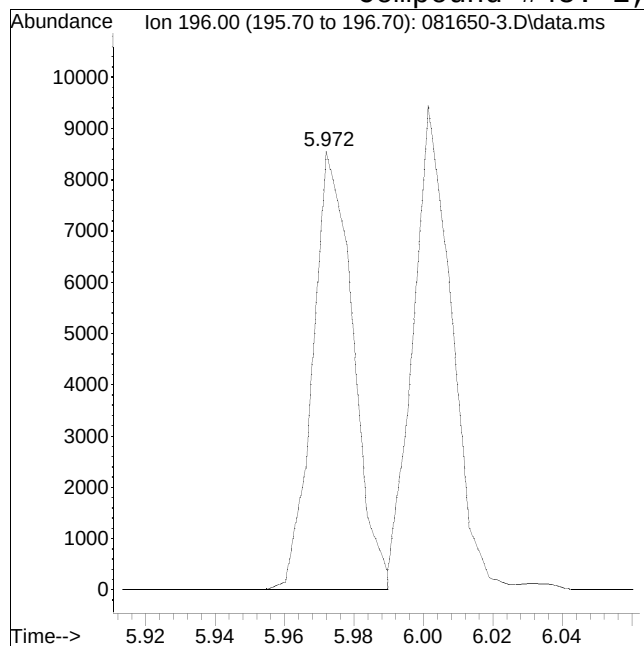


Manual Peak Response = 1999 M6

Manual Integration Report

Data Path : I:\8270\SV112\250621RVTb\ QMethod : FS250313SV112RVT.m
Data File : 081650-3.D Operator : SV112:smz
Date Inj'd : 6/21/2025 1:21 pm Instrument : SV112
Sample : WG2081650-3,32,,gmr Quant Date : 6/22/2025 6:48 am

Compound #45: 2,4,5-Trichlorophenol



Original Peak Response = 6951

Manual Peak Response = 7279 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Calculation of Semi Volatile Organic Compounds

Aqueous Concentration Formula: $Amt * DF * 1000 * (1/V_o) * V_f$

Where:

DF = Dilution Factor

V_o = Volume of Sample (mL)

V_f = Extraction Lab Final Volume (mL)

Soil Concentration Formula: $Amt * DF * 1000 * (1/W_t) * V_f * (100/TS)$

Where:

DF = Dilution Factor

W_t = Weight of Sample (g)

V_f = Extraction Lab Final Volume (mL)

TS = Total Solids

PACE ANALYTICAL SERVICES

PACE WORK GROUP REPORT (wk02)

Jun 24 2025, 10:23 am

Work Group: WG2081650 for Department: 2 Organic Preparation

Created: 20-JUN-25 Due: Operator: JCL

Sample	Client ID	C Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2538793-02	FB-01_20250619	C NYTCL-8270-RVT	WATER	DONE	U	0626	0624	1C	Amber-A.1
L2538793-03	GW-01	C NYTCL-8270-RVT	WATER	DONE	U	0626	0624	1C	Amber-A.1
L2538793-04	DUP-01_20250619	C NYTCL-8270-RVT	WATER	DONE	U	0626	0624	1C	Amber-A.1
L2538805-01	MW-4S	C NYTCL-8270-RVT	WATER	DONE	U	0626	0630	S0	Amber-A.1
L2538805-02	MW-4D2	C NYTCL-8270-RVT	WATER	DONE	U	0626	0630	S0	Amber-A.1
L2538805-03	SCDOH-DR	C NYTCL-8270-RVT	WATER	DONE	U	0626	0630	S0	Amber-A.1
L2538805-04	MW-10S	C NYTCL-8270-RVT	WATER	DONE	U	0626	0630	S0	Amber-A.1
L2538805-05	MW-10D	C NYTCL-8270-RVT	WATER	DONE	U	0626	0630	S0	Amber-A.1
L2538805-06	EQUIPMENT BLANK	C NYTCL-8270-RVT	WATER	DONE	U	0626	0630	S0	Amber-A.1
WG2081650-1	Laboratory Method Bl	S NYTCL-8270-RVT	WATER	DONE	U				
WG2081650-2	Laboratory Control S	S NYTCL-8270-RVT	WATER	DONE	U				
WG2081650-3	LCS Duplicate	S NYTCL-8270-RVT	WATER	DONE	U				
WG2081650-4	Matrix Spike	S NYTCL-8270-RVT	WATER	DONE	U				
WG2081650-5	Matrix Spike Duplica	S NYTCL-8270-RVT	WATER	DONE	U				
Comments:									
WG2081650-3	WG2081650-2								
WG2081650-4	L2538793-03								
WG2081650-5	L2538793-03								

Dep.: GCMS
 Inst: SV112
 Date: 03/13/25
 Run: ICAL

Method
 GC: 8270RVT
 Seq: WG2040627
 ICAL: 22084



Vial	Data File	Sample	CCAL/Notes	Screen	Verified	Initials
141	Tune1	Tune Lot#11459				
1	ABNL9	IL2,32,,ABNL50 Lot# 11425				
2	ABNL8	IL3,32,,ABNL25 Lot# 11426				
3	ABNL7	IL4,32,,ABNL10 Lot# 11427				
4	ABNL6	IL5,32,,ABNL5 Lot# 11428				
5	ABNL5	IL6,32,,ABNL2.5 Lot# 11429				
6	ABNL4	IL7,32,,ABNL1 Lot# 11430				
7	ABNL3	IL8,32,,ABNL0.5 Lot# 11431				
8	ABNL2	IL9,32,,ABNL0.2 Lot# 11432				
9	ABNL1	IL10,32,,ABNL0.1 Lot# 11433				
10	AP9L9	IL2,32,,AP9L50 Lot# 11434				
11	AP9L8	IL3,32,,AP9L25 Lot# 11435				
12	AP9L7	IL4,32,,AP9L10 Lot# 11436				
13	AP9L6	IL5,32,,AP9L5 Lot# 11437				
14	AP9L5	IL6,32,,AP9L2.5 Lot# 11438				
15	AP9L4	IL7,32,,AP9L1 Lot# 11439				
16	AP9L3	IL8,32,,AP9L0.5 Lot# 11440				
17	AP9L2	IL9,32,,AP9L0.2 Lot# 11441				
18	AP9L1	IL10,32,,AP9L0.1 Lot# 11442				
19	ABNICV	CQICV1,32,,ABNICV Lot# 11452				
20	AP9ICV	CQICV2,32,,AP9ICV Lot# 11453				
141	Tune2	Tune Lot#11459				
21	ADPL9	IL2,32,,ADPL50 Lot# 11443				
22	ADPL8	IL3,32,,ADPL25 Lot# 11444				
23	ADPL7	IL4,32,,ADPL10 Lot# 11445				
24	ADPL6	IL5,32,,ADPL5 Lot# 11446				
25	ADPL5	IL6,32,,ADPL2.5 Lot# 11447				
26	ADPL4	IL7,32,,ADPL1 Lot# 11448				
27	ADPL3	IL8,32,,ADPL0.5 Lot# 11449				
28	ADPL2	IL9,32,,ADPL0.2 Lot# 11450				
29	ADPL1	IL10,32,,ADPL0.1 Lot# 11451				
30	ADPICV	CQICV,32,,ADPICV Lot# 11454				
31	Blank	Instrument Blank			hny	

Dep.: GCMS
 Inst: SV112
 Date: 06/21/25
 Run:

Method
 GC: 8270RVT
 Seq: **WG2081810**
 ICAL: 22084



Vial	Data File	Sample	CCAL/Notes	Screen	Verified	Initials
141	DEG0621	wg-1,32,,Degdftpp SV112 Lot # 11649				smz 6/24
142	ABN0621	wg-3,32,,ABN 11297 gmr0620A	Full List: Pyridine Low			smz 6/24
143	AP90621	wg-4,32,,AP9 11662 gmr0619A				smz 6/24
144	ADP0621	wg-5,32,,ADP 11661 dv0617A				smz 6/24
1	081650-1	WG2081650-1,32,,gmr	shares with 1648			smz 6/24
2	081650-2	WG2081650-2,32,,gmr				smz 6/24
3	081650-3	WG2081650-3,32,,gmr				smz 6/24
4	38793-02	L2538793-02,32,,R1C,gmr				smz 6/24
5	38793-03	L2538793-03,32,,R1C,gmr				smz 6/24
6	081650-4	WG2081650-4,32,,gmr				smz 6/24
7	081650-5	WG2081650-5,32,,gmr				smz 6/24
8	38793-04	L2538793-04,32,,R1C,gmr				smz 6/24
9	38558-01	L2538558-01,32,,R1D,gmr				smz 6/24
10	38558-03	L2538558-03,32,,R1D,gmr				smz 6/24
11	38558-04	L2538558-04,32,,R1D,gmr				smz 6/24
12	38431-04	L2538431-04,32,,gmr				smz 6/24
13	37427-06	L2537427-06,32,,gmr				
14	37512-05	L2537512-05,32,,gmr				
15	37512-04	L2537512-04,32,,gmr				
16	37512-03	L2537512-03,32,,gmr				
17	37512-02	L2537512-02,32,,gmr	acid surr all 0			cmm 6/22
18	37512-01	L2537512-01,32,,gmr				
19	38032-01	L2538032-01,32,,gmr				
20	37457-02	L2537457-02,32,,gmr				
21	38805-01	L2538805-01,32,,gmr				smz 6/24
22	38805-02	L2538805-02,32,,gmr				smz 6/24
23	38805-03	L2538805-03,32,,gmr				smz 6/24
24	38805-04	L2538805-04,32,,gmr				smz 6/24
25	38805-05	L2538805-05,32,,gmr				smz 6/24
26	38805-06	L2538805-06,32,,gmr			gmr	smz 6/24
					sv-cmm	



ORGANIC ELN REPORT

Workgroup: WG2081650

Prep Method: EPA 3510C Solvent Type: DCM Surrogate Type: ABN Spike Type: ABN Spike Verify by: JCL Lims Spikelot: 8270-RVT Additional Reagents/Std <table><tr><td>H2SO4</td><td>A052225</td></tr><tr><td>Na2SO4</td><td>244434</td></tr><tr><td>NaOH</td><td>10NNaOH061425</td></tr></table>	H2SO4	A052225	Na2SO4	244434	NaOH	10NNaOH061425	Conc.Method: Buchi Solvent Type: DCM Lot #: EK254 Additional Reagents/Std	Cleanup 1 Cleanup Method 1: Cleanup Method 2: Solvent Type: Lot #: Additional Reagents/Std
H2SO4	A052225							
Na2SO4	244434							
NaOH	10NNaOH061425							

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol ml	Ph	Surr Amt ml	Spike Amt ml	Conc Date	Analyst	Final Vol ml	Conc Unit
L2538793-02 SAMP	06/21/25 02:00	Jessica Labossier e	100	<2,>12	.1		06/21/25 03:02	Rebecca Corbin	1	K
L2538793-03 SAMP	06/21/25 02:00	Jessica Labossier e	100	<2,>12	.1		06/21/25 03:02	Rebecca Corbin	1	K
L2538793-04 SAMP	06/21/25 02:00	Jessica Labossier e	100	<2,>12	.1		06/21/25 03:02	Rebecca Corbin	1	K
L2538805-01 SAMP	06/21/25 02:00	Jessica Labossier e	100	<2,>12	.1		06/21/25 03:02	Rebecca Corbin	1	K
L2538805-02 SAMP	06/21/25 02:00	Jessica Labossier e	100	<2,>12	.1		06/21/25 03:02	Rebecca Corbin	1	K



ORGANIC ELN REPORT

Workgroup: WG2081650

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol ml	Ph	Surr Amt ml	Spike Amt ml	Conc Date	Analyst	Final Vol ml	Conc Unit
L2538805-03 SAMP	06/21/25 02:00	Jessica Labossier e	100	<2,>12	.1		06/21/25 03:02	Rebecca Corbin	1	K
L2538805-04 SAMP	06/21/25 02:00	Jessica Labossier e	100	<2,>12	.1		06/21/25 03:02	Rebecca Corbin	1	K
L2538805-05 SAMP	06/21/25 02:00	Jessica Labossier e	100	<2,>12	.1		06/21/25 03:02	Rebecca Corbin	1	G
L2538805-06 SAMP	06/21/25 02:00	Jessica Labossier e	100	<2,>12	.1		06/21/25 03:02	Rebecca Corbin	1	G
WG2081650-1 BLANK	06/21/25 02:00	Jessica Labossier e	100	<2,>12	.1		06/21/25 03:02	Rebecca Corbin	1	K
WG2081648, WG2081649, WG2081650, WG2081652										
WG2081650-2 LCS	06/21/25 02:00	Jessica Labossier e	100	<2,>12	.1	.1	06/21/25 03:02	Rebecca Corbin	1	K
WG2081650-3 LCSD	06/21/25 02:00	Jessica Labossier e	100	<2,>12	.1	.1	06/21/25 03:02	Rebecca Corbin	1	K
WG2081650-4 MS	06/21/25 02:00	Jessica Labossier e	100	<2,>12	.1	.1	06/21/25 03:02	Rebecca Corbin	1	K



ORGANIC ELN REPORT

Workgroup: WG2081650

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol ml	Ph	Surr Amt ml	Spike Amt ml	Conc Date	Analyst	Final Vol ml	Conc Unit
WG2081650 -5 MSD	06/21/25 02:00	Jessica Labossier e	100	<2,>12	.1	.1	06/21/25 03:02	Rebecca Corbin	1	K

Semivolatiles Data by Method 8270D-SIM

Semivolatiles QC Summary

Surrogate Recovery Summary

Form 2

Semivolatiles

Client: Roux Env. Eng. & Geology, DPC
Project Name: CORAM GROUNDWATER EVENT

Lab Number: L2538805
Project Number: 2232.0006Y005
Matrix: Equipment Blank/Water

CLIENT ID (LAB SAMPLE NO.)	S1 (2FP)	S2 (PHL)	S3 (NBZ)	S4 (FBP)	S5 (TBP)	S6 (TPH)	TOT OUT
MW-4S (L2538805-01)	48	37	61	64	54	74	0
MW-4D2 (L2538805-02)	56	44	80	84	61	97	0
SCDOH-DR (L2538805-03)	49	37	72	81	64	89	0
MW-10S (L2538805-04)	42	37	69	70	47	84	0
MW-10D (L2538805-05)	41	35	70	75	48	90	0
EQUIPMENT BLANK (L2538805-06)	33	30	65	69	44	95	0
WG2081652-1BLANK	51	40	76	72	69	98	0
WG2081652-2LCS	62	46	76	69	81	90	0
WG2081652-3LCSD	55	41	66	63	75	79	0

QC LIMITS

(21-120) 2FP = 2-FLUOROPHENOL
(10-120) PHL = PHENOL-D6
(23-120) NBZ = NITROBENZENE-D5
(15-120) FBP = 2-FLUOROBIPHENYL
(10-120) TBP = 2,4,6-TRIBROMOPHENOL
(41-149) TPH = 4-TERPHENYL-D14

* Values outside of QC limits

FORM II NYTCL-8270-SIM-RVT



Laboratory Control Sample Summary

Form 3

Semivolatiles

Client : Roux Env. Eng. & Geology, DPC Lab Number : L2538805
 Project Name : CORAM GROUNDWATER EVENT Project Number : 2232.0006Y005
 Matrix (Level) : WATER (LOW)
 LCS Sample ID : WG2081652-2 Analysis Date : 06/23/25 11:49 File ID : 081649-2
 LCSD Sample ID : WG2081652-3 Analysis Date : 06/23/25 12:06 File ID : 081649-3

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (ug/l)	Found (ug/l)	%R	True (ug/l)	Found (ug/l)	%R			
Acenaphthene	20	14	71	20	13	65	9	40-140	40
2-Chloronaphthalene	20	13	67	20	12	61	9	40-140	40
Fluoranthene	20	16	80	20	14	72	11	40-140	40
Hexachlorobutadiene	20	10	51	20	8.8	44	15	40-140	40
Naphthalene	20	13	65	20	11	57	13	40-140	40
Benzo(a)anthracene	20	16	80	20	14	71	12	40-140	40
Benzo(a)pyrene	20	15	77	20	14	71	8	40-140	40
Benzo(b)fluoranthene	20	17	83	20	15	74	11	40-140	40
Benzo(k)fluoranthene	20	17	85	20	15	77	10	40-140	40
Chrysene	20	16	82	20	14	72	13	40-140	40
Acenaphthylene	20	14	73	20	13	66	10	40-140	40
Anthracene	20	15	77	20	14	71	8	40-140	40
Benzo(ghi)perylene	20	16	79	20	14	71	11	40-140	40
Fluorene	20	15	76	20	14	69	10	40-140	40
Phenanthrene	20	15	75	20	13	67	11	40-140	40
Dibenzo(a,h)anthracene	20	15	77	20	14	68	12	40-140	40
Indeno(1,2,3-cd)pyrene	20	15	73	20	13	63	15	40-140	40
Pyrene	20	16	78	20	14	71	9	40-140	40
2-Methylnaphthalene	20	13	65	20	12	58	11	40-140	40
Pentachlorophenol	20	17	85	20	15	76	11	40-140	40
Hexachlorobenzene	20	16	83	20	15	76	9	40-140	40
Hexachloroethane	20	10	50	20	8.5	42	17	40-140	40
Bis(2-chloroethyl)ether	20	15	77	20	14	69	11	40-140	40



**Method Blank Summary
Form 4
Semivolatiles**

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab Sample ID	: WG2081652-1	Lab File ID	: 081649-1
Instrument ID	: SV119	Extraction Date	: 06/21/25
Matrix	: WATER	Analysis Date	: 06/23/25 12:23
Level	: LOW		

Client Sample No.	Lab Sample ID	Analysis Date
WG2081652-2LCS	WG2081652-2	06/23/25 11:49
WG2081652-3LCSD	WG2081652-3	06/23/25 12:06
MW-4S	L2538805-01	06/27/25 02:18
MW-4D2	L2538805-02	06/27/25 02:35
SCDOH-DR	L2538805-03	06/27/25 02:52
MW-10S	L2538805-04	06/27/25 03:08
MW-10D	L2538805-05	06/27/25 03:25
EQUIPMENT BLANK	L2538805-06	06/27/25 03:42

Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client : Roux Env. Eng. & Geology, DPC	Lab Number : L2538805
Project Name : CORAM GROUNDWATER EVENT	Project Number : 2232.0006Y005
Instrument ID : SV119	Analysis Date : 06/18/25 18:07
Tune Standard : R1978820-12	Tune File ID : TUNE_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	52.8
68	Less than 2.0% of mass 69	0.9 (2)1
69		100
70	Less than 2.0% of mass 69	0.3 (.7)1
127	10.0 - 80.0% of Base Peak	54.3
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.4
275	10.0 - 60.0% of Base Peak	25.4
365	Greater than 1.0% of mass 198	2.6
441	Present, but less than 24% of mass 442	19.6
442	Base Peak, or >50% of mass 198	77.4
443	15.0 - 24.0% of mass 442	15 (19.4)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
L10	R1978820-3	L10	06/18/25 18:34
L9	R1978820-9	L9	06/18/25 18:50
L8	R1978820-10	L8	06/18/25 19:07
L7	R1978820-8	L7	06/18/25 19:23
L6	R1978820-7	L6	06/18/25 19:40
L5	R1978820-5	L5	06/18/25 19:56
L4	R1978820-6	L4	06/18/25 20:13
L3	R1978820-2	L3	06/18/25 20:30
L2	R1978820-4	L2	06/18/25 20:46
L1	R1978820-1	L1	06/18/25 21:03
ICV Quant Report	R1978820-11	ICV	06/18/25 21:19



Instrument Performance Check (Tune) Summary
Form 5
Semivolatiles
Decafluorotriphenylphosphine (DFTPP)

Client : Roux Env. Eng. & Geology, DPC	Lab Number : L2538805
Project Name : CORAM GROUNDWATER EVENT	Project Number : 2232.0006Y005
Instrument ID : SV119	Analysis Date : 06/23/25 08:36
Tune Standard : WG2082224-1	Tune File ID : deg0623_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	43.5
68	Less than 2.0% of mass 69	0 (0)1
69		100
70	Less than 2.0% of mass 69	0.2 (.5)1
127	10.0 - 80.0% of Base Peak	47.9
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	5.9
275	10.0 - 60.0% of Base Peak	27.9
365	Greater than 1.0% of mass 198	3
441	Present, but less than 24% of mass 442	18
442	Base Peak, or >50% of mass 198	91.9
443	15.0 - 24.0% of mass 442	17.1 (18.6)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG2082224-4TFACTOR-B	WG2082224-4	DEG0623	06/23/25 08:36
WG2082224-5TFACTOR-P	WG2082224-5	DEG0623	06/23/25 08:36
WG2082224-3CCAL	WG2082224-3	CCV0623A	06/23/25 09:12
WG2081652-2LCS	WG2081652-2	081649-2	06/23/25 11:49
WG2081652-3LCSD	WG2081652-3	081649-3	06/23/25 12:06
WG2081652-1BLANK	WG2081652-1	081649-1	06/23/25 12:23



Instrument Performance Check (Tune) Summary

Form 5

Semivolatiles

Decafluorotriphenylphosphine (DFTPP)

Client : Roux Env. Eng. & Geology, DPC	Lab Number : L2538805
Project Name : CORAM GROUNDWATER EVENT	Project Number : 2232.0006Y005
Instrument ID : SV119	Analysis Date : 06/25/25 19:48
Tune Standard : R1981927-2	Tune File ID : TUNE_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	47
68	Less than 2.0% of mass 69	0.8 (2)1
69		100
70	Less than 2.0% of mass 69	0.2 (.4)1
127	10.0 - 80.0% of Base Peak	50.5
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.6
275	10.0 - 60.0% of Base Peak	24
365	Greater than 1.0% of mass 198	3.3
441	Present, but less than 24% of mass 442	18.8
442	Base Peak, or >50% of mass 198	85.2
443	15.0 - 24.0% of mass 442	16.2 (19)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
L10	R1981927-4	L10	06/25/25 20:07
L9	R1981927-10	L9	06/25/25 20:23
L8	R1981927-11	L8	06/25/25 20:40
L7	R1981927-12	L7	06/25/25 20:57
L6	R1981927-9	L6	06/25/25 21:14
L5	R1981927-8	L5	06/25/25 21:31
L4	R1981927-7	L4	06/25/25 21:48
L3	R1981927-6	L3	06/25/25 22:04
L2	R1981927-5	L2	06/25/25 22:24
L1	R1981927-3	L1	06/25/25 22:41
ICV Quant Report	R1981927-1	ICV	06/25/25 22:58

Instrument Performance Check (Tune) Summary

Form 5

Semivolatiles

Decafluorotriphenylphosphine (DFTPP)

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Instrument ID	: SV119	Analysis Date	: 06/26/25 21:14
Tune Standard	: WG2084091-1	Tune File ID	: deg0626a_tune

m/e	Ion Abundance Criteria	%Relative Abundance
51	10.0 - 80.0% of Base Peak	42.8
68	Less than 2.0% of mass 69	0.7 (1.7)1
69		100
70	Less than 2.0% of mass 69	0.2 (.6)1
127	10.0 - 80.0% of Base Peak	50.1
197	Less than 2.0% of mass 198	0
198	Base Peak, or >50% of mass 442	100
199	5.0 - 9.0% of mass 198	6.5
275	10.0 - 60.0% of Base Peak	25.1
365	Greater than 1.0% of mass 198	3
441	Present, but less than 24% of mass 442	19
442	Base Peak, or >50% of mass 198	91.2
443	15.0 - 24.0% of mass 442	17.4 (19.1)2

1-Value is % of mass 69 2-Value is % of mass 442

This Check Applies to the following Samples, MS, MSD, Blanks, and Standards:

Client Sample ID	Lab Sample ID	File ID	Analysis Date/Time
WG2084091-4TFACTOR-B	WG2084091-4	DEG0626A	06/26/25 21:14
WG2084091-5TFACTOR-P	WG2084091-5	DEG0626A	06/26/25 21:14
WG2084091-3CCAL	WG2084091-3	CCV0626	06/26/25 21:31
MW-4S	L2538805-01	38805-01	06/27/25 02:18
MW-4D2	L2538805-02	38805-02	06/27/25 02:35
SCDOH-DR	L2538805-03	38805-03	06/27/25 02:52
MW-10S	L2538805-04	38805-04	06/27/25 03:08
MW-10D	L2538805-05	38805-05	06/27/25 03:25
EQUIPMENT BLANK	L2538805-06	38805-06	06/27/25 03:42



Internal Standard Area and RT Summary

Form 8a

Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Instrument ID	: SV119	Analysis Date	: 06/23/25 09:12:00
Sample No	: WG2082224-3	Lab File ID	: CCV0623A

	1,4-Dichlorobenzene-d4		Naphthalene-d8		Acenaphthene-d10	
	Area	RT	Area	RT	Area	RT
WG2082224-3	223163	2.31	839534	2.96	501334	3.94
Upper Limit	446326	2.81	1679068	3.46	1002668	4.44
Lower Limit	111582	1.81	419767	2.46	250667	3.44
Sample ID						
WG2081652-2 LCS	274424	2.31	1034935	2.97	615117	3.95
WG2081652-3 LCSD	273329	2.31	1037311	2.97	619476	3.95
WG2081652-1 BLANK	266448	2.31	1024249	2.97	628648	3.94

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits



Internal Standard Area and RT Summary

Form 8a

Semivolatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM GROUNDWATER EVENT
 Instrument ID : SV119
 Sample No : WG2082224-3

Lab Number : L2538805
 Project Number : 2232.0006Y005
 Analysis Date : 06/23/25 09:12:00
 Lab File ID : CCV0623A

	Phenanthrene-d10		Chrysene-d12		Perylene-d12	
	Area	RT	Area	RT	Area	RT
WG2082224-3	1091615	4.79	1163786	6.45	1221164	7.74
Upper Limit	2183230	5.29	2327572	6.95	2442328	8.24
Lower Limit	545808	4.29	581893	5.95	610582	7.24
Sample ID						
WG2081652-2 LCS	1334065	4.79	1366233	6.42	1448263	7.71
WG2081652-3 LCSD	1341940	4.79	1380790	6.42	1465493	7.71
WG2081652-1 BLANK	1357664	4.79	1372958	6.42	1417060	7.71

Area Upper Limit = +100% of internal standard area
 Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
 RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits



Internal Standard Area and RT Summary

Form 8a

Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Instrument ID	: SV119	Analysis Date	: 06/26/25 21:31:00
Sample No	: WG2084091-3	Lab File ID	: CCV0626

	1,4-Dichlorobenzene-d4		Naphthalene-d8		Acenaphthene-d10	
	Area	RT	Area	RT	Area	RT
WG2084091-3	185566	2.36	705213	3.03	406672	4.00
Upper Limit	371132	2.86	1410426	3.53	813344	4.50
Lower Limit	92783	1.86	352607	2.53	203336	3.50
Sample ID						
MW-4S	184700	2.36	737303	3.02	468854	4.00
MW-4D2	175807	2.36	692149	3.02	432591	4.00
SCDOH-DR	175275	2.36	675860	3.02	457496	4.00
MW-10S	187172	2.36	767833	3.02	498547	4.00
MW-10D	182674	2.36	712173	3.02	442710	4.00
EQUIPMENT BLANK	174328	2.36	678020	3.02	421525	4.00

Area Upper Limit = +100% of internal standard area
Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits



Internal Standard Area and RT Summary

Form 8a

Semivolatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM GROUNDWATER EVENT
 Instrument ID : SV119
 Sample No : WG2084091-3

Lab Number : L2538805
 Project Number : 2232.0006Y005
 Analysis Date : 06/26/25 21:31:00
 Lab File ID : CCV0626

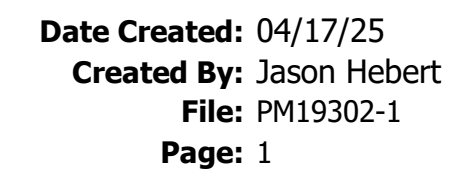
	Phenanthrene-d10		Chrysene-d12		Perylene-d12	
	Area	RT	Area	RT	Area	RT
WG2084091-3	872131	4.84	1108620	6.44	1141279	7.76
Upper Limit	1744262	5.34	2217240	6.94	2282558	8.26
Lower Limit	436066	4.34	554310	5.94	570640	7.26
Sample ID						
MW-4S	1041736	4.84	1244192	6.44	1117334	7.76
MW-4D2	933438	4.84	1063063	6.44	975785	7.76
SCDOH-DR	1044288	4.84	1278135	6.44	1188137	7.76
MW-10S	1118519	4.84	1334397	6.45	1156158	7.76
MW-10D	955368	4.84	1163637	6.45	1059678	7.76
EQUIPMENT BLANK	961730	4.84	1173995	6.44	1083883	7.76

Area Upper Limit = +100% of internal standard area
 Area Lower Limit = - 50% of internal standard area

RT Upper Limit = +0.50 minutes of internal standard RT
 RT Lower Limit = -0.50 minutes of internal standard RT

* Values outside of QC limits





Holding Time: 7 days
Container/Sample Preservation: 2 - Amber 100ml unpreserved

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of Pace Analytical Services.



Semivolatile Sample Data

Results Summary

Form 1

Semivolatile Organics by GC/MS-SIM

Client : Roux Env. Eng. & Geology, DPC Project Name : CORAM GROUNDWATER EVENT Lab ID : L2538805-01 Client ID : MW-4S Sample Location : 416 MILLER PLACE-YAPHANK RD. Sample Matrix : WATER Analytical Method : 1,8270E-SIM Lab File ID : 38805-01 Sample Amount : 100 ml Extraction Method : EPA 3510C Extract Volume : 1000 uL GPC Cleanup : N	Lab Number : L2538805 Project Number : 2232.0006Y005 Date Collected : 06/19/25 11:10 Date Received : 06/19/25 Date Analyzed : 06/27/25 02:18 Date Extracted : 06/21/25 Dilution Factor : 1 Analyst : SLR Instrument ID : SV119 GC Column : RXI-5SilM %Solids : N/A Injection Volume : 1 uL
---	---

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	0.03	0.80	0.01	J
67-72-1	Hexachloroethane	ND	0.80	0.02	U



Results Summary

Form 1

Semivolatile Organics by GC/MS-SIM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-01	Date Collected	: 06/19/25 11:10
Client ID	: MW-4S	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 06/27/25 02:18
Sample Matrix	: WATER	Date Extracted	: 06/21/25
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 38805-01	Analyst	: SLR
Sample Amount	: 100 ml	Instrument ID	: SV119
Extraction Method	: EPA 3510C	GC Column	: RXI-5SilM
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
111-44-4	Bis(2-chloroethyl)ether	ND	0.10	0.05	U



Results Summary

Form 1

Semivolatile Organics by GC/MS-SIM

Client : Roux Env. Eng. & Geology, DPC Project Name : CORAM GROUNDWATER EVENT Lab ID : L2538805-02 Client ID : MW-4D2 Sample Location : 416 MILLER PLACE-YAPHANK RD. Sample Matrix : WATER Analytical Method : 1,8270E-SIM Lab File ID : 38805-02 Sample Amount : 100 ml Extraction Method : EPA 3510C Extract Volume : 1000 uL GPC Cleanup : N	Lab Number : L2538805 Project Number : 2232.0006Y005 Date Collected : 06/19/25 11:05 Date Received : 06/19/25 Date Analyzed : 06/27/25 02:35 Date Extracted : 06/21/25 Dilution Factor : 1 Analyst : SLR Instrument ID : SV119 GC Column : RXI-5SiLM %Solids : N/A Injection Volume : 1 uL
--	---

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U



Results Summary

Form 1

Semivolatile Organics by GC/MS-SIM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-02	Date Collected	: 06/19/25 11:05
Client ID	: MW-4D2	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 06/27/25 02:35
Sample Matrix	: WATER	Date Extracted	: 06/21/25
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 38805-02	Analyst	: SLR
Sample Amount	: 100 ml	Instrument ID	: SV119
Extraction Method	: EPA 3510C	GC Column	: RXI-5SilM
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
111-44-4	Bis(2-chloroethyl)ether	ND	0.10	0.05	U



Results Summary

Form 1

Semivolatile Organics by GC/MS-SIM

Client : Roux Env. Eng. & Geology, DPC Project Name : CORAM GROUNDWATER EVENT Lab ID : L2538805-03 Client ID : SCDOH-DR Sample Location : 416 MILLER PLACE-YAPHANK RD. Sample Matrix : WATER Analytical Method : 1,8270E-SIM Lab File ID : 38805-03 Sample Amount : 100 ml Extraction Method : EPA 3510C Extract Volume : 1000 uL GPC Cleanup : N	Lab Number : L2538805 Project Number : 2232.0006Y005 Date Collected : 06/19/25 10:00 Date Received : 06/19/25 Date Analyzed : 06/27/25 02:52 Date Extracted : 06/21/25 Dilution Factor : 1 Analyst : SLR Instrument ID : SV119 GC Column : RXI-5SilM %Solids : N/A Injection Volume : 1 uL
--	---

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	0.03	0.80	0.01	J
67-72-1	Hexachloroethane	ND	0.80	0.02	U



Results Summary

Form 1

Semivolatile Organics by GC/MS-SIM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-03	Date Collected	: 06/19/25 10:00
Client ID	: SCDOH-DR	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 06/27/25 02:52
Sample Matrix	: WATER	Date Extracted	: 06/21/25
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 38805-03	Analyst	: SLR
Sample Amount	: 100 ml	Instrument ID	: SV119
Extraction Method	: EPA 3510C	GC Column	: RXI-5SilM
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
111-44-4	Bis(2-chloroethyl)ether	ND	0.10	0.05	U

Results Summary

Form 1

Semivolatile Organics by GC/MS-SIM

Client : Roux Env. Eng. & Geology, DPC Project Name : CORAM GROUNDWATER EVENT Lab ID : L2538805-04 Client ID : MW-10S Sample Location : 416 MILLER PLACE-YAPHANK RD. Sample Matrix : WATER Analytical Method : 1,8270E-SIM Lab File ID : 38805-04 Sample Amount : 100 ml Extraction Method : EPA 3510C Extract Volume : 1000 uL GPC Cleanup : N	Lab Number : L2538805 Project Number : 2232.0006Y005 Date Collected : 06/19/25 08:38 Date Received : 06/19/25 Date Analyzed : 06/27/25 03:08 Date Extracted : 06/21/25 Dilution Factor : 1 Analyst : SLR Instrument ID : SV119 GC Column : RXI-5SilM %Solids : N/A Injection Volume : 1 uL
--	---

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U



Results Summary

Form 1

Semivolatile Organics by GC/MS-SIM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-04	Date Collected	: 06/19/25 08:38
Client ID	: MW-10S	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 06/27/25 03:08
Sample Matrix	: WATER	Date Extracted	: 06/21/25
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 38805-04	Analyst	: SLR
Sample Amount	: 100 ml	Instrument ID	: SV119
Extraction Method	: EPA 3510C	GC Column	: RXI-5SilM
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
111-44-4	Bis(2-chloroethyl)ether	ND	0.10	0.05	U



Results Summary

Form 1

Semivolatile Organics by GC/MS-SIM

Client : Roux Env. Eng. & Geology, DPC	Lab Number : L2538805
Project Name : CORAM GROUNDWATER EVENT	Project Number : 2232.0006Y005
Lab ID : L2538805-05	Date Collected : 06/19/25 08:50
Client ID : MW-10D	Date Received : 06/19/25
Sample Location : 416 MILLER PLACE-YAPHANK RD.	Date Analyzed : 06/27/25 03:25
Sample Matrix : WATER	Date Extracted : 06/21/25
Analytical Method : 1,8270E-SIM	Dilution Factor : 1
Lab File ID : 38805-05	Analyst : SLR
Sample Amount : 100 ml	Instrument ID : SV119
Extraction Method : EPA 3510C	GC Column : RXI-5SilM
Extract Volume : 1000 uL	%Solids : N/A
GPC Cleanup : N	Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U



Results Summary

Form 1

Semivolatile Organics by GC/MS-SIM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-05	Date Collected	: 06/19/25 08:50
Client ID	: MW-10D	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 06/27/25 03:25
Sample Matrix	: WATER	Date Extracted	: 06/21/25
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 38805-05	Analyst	: SLR
Sample Amount	: 100 ml	Instrument ID	: SV119
Extraction Method	: EPA 3510C	GC Column	: RXI-5SilM
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
111-44-4	Bis(2-chloroethyl)ether	ND	0.10	0.05	U



Results Summary

Form 1

Semivolatile Organics by GC/MS-SIM

Client : Roux Env. Eng. & Geology, DPC Project Name : CORAM GROUNDWATER EVENT Lab ID : L2538805-06 Client ID : EQUIPMENT BLANK Sample Location : 416 MILLER PLACE-YAPHANK RD. Sample Matrix : Equipment Blank Analytical Method : 1,8270E-SIM Lab File ID : 38805-06 Sample Amount : 100 ml Extraction Method : EPA 3510C Extract Volume : 1000 uL GPC Cleanup : N	Lab Number : L2538805 Project Number : 2232.0006Y005 Date Collected : 06/19/25 12:00 Date Received : 06/19/25 Date Analyzed : 06/27/25 03:42 Date Extracted : 06/21/25 Dilution Factor : 1 Analyst : SLR Instrument ID : SV119 GC Column : RXI-5SiLM %Solids : N/A Injection Volume : 1 uL
---	---

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
83-32-9	Acenaphthene	ND	0.10	0.02	U
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	ND	0.10	0.03	U
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	ND	0.10	0.02	U
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	ND	0.10	0.02	U
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	ND	0.10	0.03	U
85-01-8	Phenanthrene	ND	0.10	0.04	U
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	ND	0.10	0.03	U
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	ND	0.80	0.01	U
67-72-1	Hexachloroethane	ND	0.80	0.02	U



Results Summary

Form 1

Semivolatile Organics by GC/MS-SIM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-06	Date Collected	: 06/19/25 12:00
Client ID	: EQUIPMENT BLANK	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 06/27/25 03:42
Sample Matrix	: Equipment Blank	Date Extracted	: 06/21/25
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 38805-06	Analyst	: SLR
Sample Amount	: 100 ml	Instrument ID	: SV119
Extraction Method	: EPA 3510C	GC Column	: RXI-5SilM
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
111-44-4	Bis(2-chloroethyl)ether	ND	0.10	0.05	U



Results Summary

Form 1

Semivolatile Organics by GC/MS-SIM

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM GROUNDWATER EVENT
 Lab ID : WG2081652-1
 Client ID : WG2081652-1BLANK
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 1,8270E-SIM
 Lab File ID : 081649-1
 Sample Amount : 100 ml
 Extraction Method : EPA 3510C
 Extract Volume : 1000 uL
 GPC Cleanup : N

Lab Number : L2538805
 Project Number : 2232.0006Y005
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 06/23/25 12:23
 Date Extracted : 06/21/25
 Dilution Factor : 1
 Analyst : RP
 Instrument ID : SV119
 GC Column : RXI-5SiLM
 %Solids : N/A
 Injection Volume : 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
83-32-9	Acenaphthene	0.11	0.10	0.02	
91-58-7	2-Chloronaphthalene	ND	0.20	0.02	U
206-44-0	Fluoranthene	0.05	0.10	0.03	J
87-68-3	Hexachlorobutadiene	ND	0.50	0.02	U
91-20-3	Naphthalene	0.07	0.10	0.02	J
56-55-3	Benzo(a)anthracene	ND	0.10	0.03	U
50-32-8	Benzo(a)pyrene	ND	0.10	0.02	U
205-99-2	Benzo(b)fluoranthene	ND	0.10	0.03	U
207-08-9	Benzo(k)fluoranthene	ND	0.10	0.03	U
218-01-9	Chrysene	ND	0.10	0.03	U
208-96-8	Acenaphthylene	ND	0.10	0.02	U
120-12-7	Anthracene	0.04	0.10	0.02	J
191-24-2	Benzo(ghi)perylene	ND	0.10	0.02	U
86-73-7	Fluorene	0.11	0.10	0.03	
85-01-8	Phenanthrene	0.10	0.10	0.04	J
53-70-3	Dibenzo(a,h)anthracene	ND	0.10	0.02	U
193-39-5	Indeno(1,2,3-cd)pyrene	ND	0.10	0.02	U
129-00-0	Pyrene	ND	0.10	0.04	U
91-57-6	2-Methylnaphthalene	0.09	0.10	0.03	J
87-86-5	Pentachlorophenol	ND	0.80	0.06	U
118-74-1	Hexachlorobenzene	0.05	0.80	0.01	J
67-72-1	Hexachloroethane	ND	0.80	0.02	U



Results Summary

Form 1

Semivolatile Organics by GC/MS-SIM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: WG2081652-1	Date Collected	: NA
Client ID	: WG2081652-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 06/23/25 12:23
Sample Matrix	: WATER	Date Extracted	: 06/21/25
Analytical Method	: 1,8270E-SIM	Dilution Factor	: 1
Lab File ID	: 081649-1	Analyst	: RP
Sample Amount	: 100 ml	Instrument ID	: SV119
Extraction Method	: EPA 3510C	GC Column	: RXI-5SilM
Extract Volume	: 1000 uL	%Solids	: N/A
GPC Cleanup	: N	Injection Volume	: 1 uL

CAS NO.	Parameter	ug/L			Qualifier
		Results	RL	MDL	
111-44-4	Bis(2-chloroethyl)ether	ND	0.10	0.05	U

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250626RVT\
 Data File : 38805-01.D
 Acq On : 27 Jun 2025 02:18 am
 Operator : sv119:slr
 Sample : L2538805-01,32,,DV
 Misc : WG2084091,wg2081652,ICAL22426
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 27 10:07:52 2025
 Quant Method : I:\8270SIM\sv119\250626RVT\SIM-RVT_250625_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Jun 27 10:08:50 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\250626RVT\ccv0626.D
 Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.360	152	184700	4000.000	ng/ml	0.00
Standard Area 1 = 185566			Recovery	=	99.53%	
9) Naphthalene-d8	3.022	136	737303	4000.000	ng/ml	0.00
Standard Area 1 = 705213			Recovery	=	104.55%	
18) Acenaphthene-d10	3.996	164	468854	4000.000	ng/ml	0.00
Standard Area 1 = 406672			Recovery	=	115.29%	
23) Phenanthrene-d10	4.839	188	1041736	4000.000	ng/ml	0.00
Standard Area 1 = 872131			Recovery	=	119.45%	
33) Chrysene-d12	6.441	240	1244192	4000.000	ng/ml	0.00
Standard Area 1 = 1108620			Recovery	=	112.23%	
38) Perylene-d12	7.758	264	1117334	4000.000	ng/ml	0.00
Standard Area 1 = 1141279			Recovery	=	97.90%	
System Monitoring Compounds						
3) 2-Fluorophenol	1.764	112	50750	950.862	ng/ml	0.00
Spiked Amount 2000.000	Range	15 - 110	Recovery	=	47.54%	
4) Phenol-d6	2.164	99	48708	734.713	ng/ml	0.00
Spiked Amount 2000.000	Range	15 - 110	Recovery	=	36.74%	
8) Nitrobenzene-d5	2.639	82	37091	610.982	ng/ml	0.00
Spiked Amount 1000.000	Range	30 - 130	Recovery	=	61.10%	
14) 2-Fluorobiphenyl	3.614	172	105497	638.533	ng/ml	0.00
Spiked Amount 1000.000	Range	30 - 130	Recovery	=	63.85%	
22) 2,4,6-Tribromophenol	4.440	330	29168	1083.536	ng/ml	0.00
Spiked Amount 2000.000	Range	15 - 110	Recovery	=	54.18%	
32) 4-Terphenyl-d14	5.764	244	212737	738.677	ng/ml	0.00
Spiked Amount 1000.000	Range	30 - 130	Recovery	=	73.87%	
Target Compounds						
5) Bis(2-chloroethyl)ether	0.000		0	N.D.	d	
7) Hexachloroethane	0.000		0	N.D.		
10) Naphthalene	0.000		0	N.D.	d	
11) Hexachlorobutadiene	0.000		0	N.D.		
12) 2-Methylnaphthalene	0.000		0	N.D.	d	
15) 2-Chloronaphthalene	0.000		0	N.D.	d	
17) Acenaphthylene	0.000		0	N.D.	d	
19) Acenaphthene	0.000		0	N.D.	d	
21) Fluorene	0.000		0	N.D.	d	
25) Hexachlorobenzene	4.621	284	223	3.036	ng/ml	94

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250626RVT\
 Data File : 38805-01.D
 Acq On : 27 Jun 2025 02:18 am
 Operator : sv119:slr
 Sample : L2538805-01,32,,DV
 Misc : WG2084091,wg2081652,ICAL22426
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 27 10:07:52 2025
 Quant Method : I:\8270SIM\sv119\250626RVT\SIM-RVT_250625_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Jun 27 10:08:50 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\250626RVT\ccv0626.D
 Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Pentachlorophenol	0.000		0		N.D.	
27) Phenanthrene	0.000		0		N.D.	d
28) Anthracene	0.000		0		N.D.	d
29) Fluoranthene	0.000		0		N.D.	d
30) Pyrene	0.000		0		N.D.	d
34) Benzo[a]anthracene	0.000		0		N.D.	d
36) Chrysene	0.000		0		N.D.	d
39) Benzo[b]fluoranthene	0.000		0		N.D.	d
40) Benzo[k]fluoranthene	0.000		0		N.D.	d
41) Benzo[a]pyrene	0.000		0		N.D.	d
42) Indeno[1,2,3-cd]pyrene	0.000		0		N.D.	d
43) Dibenzo[a,h]anthracene	0.000		0		N.D.	d
44) Benzo[g,h,i]perylene	0.000		0		N.D.	d

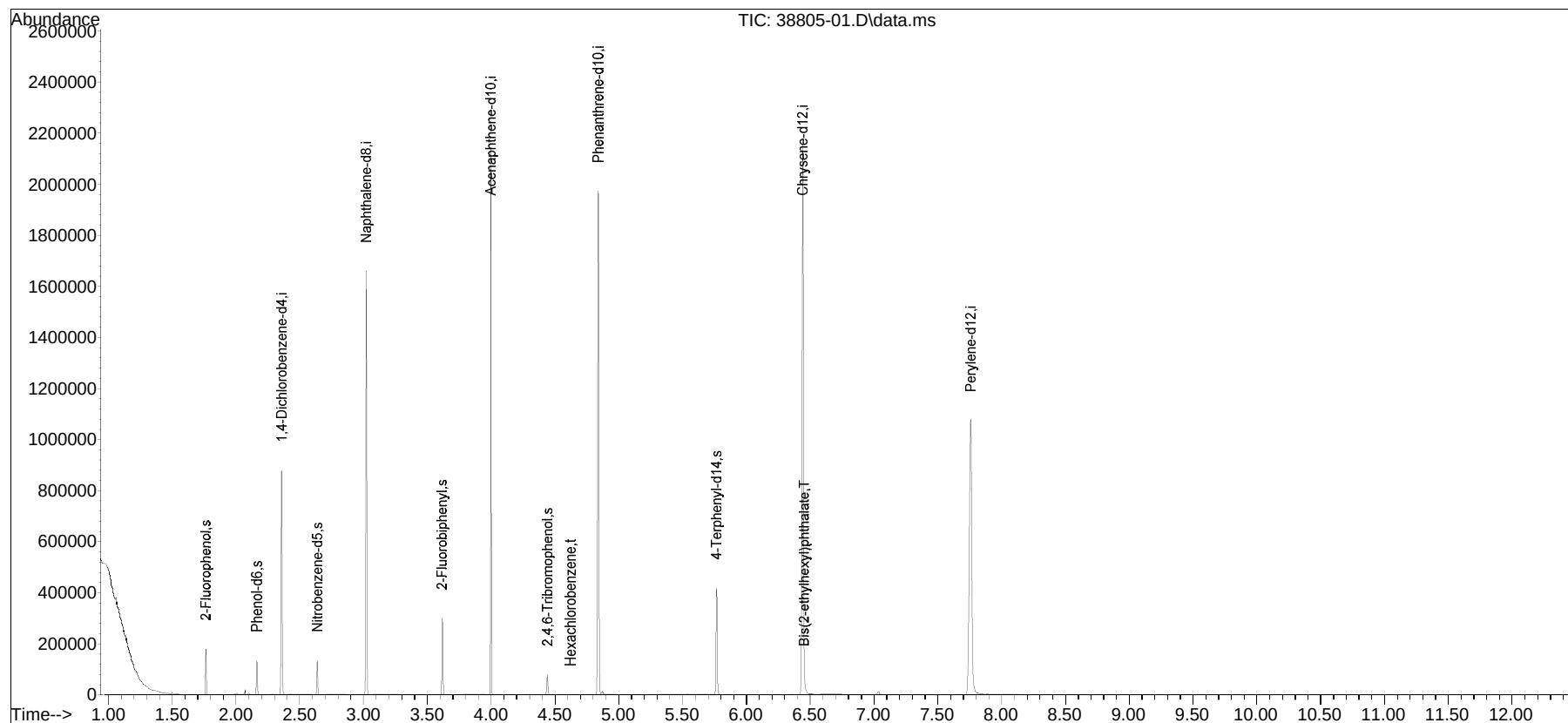
(#) = qualifier out of range (m) = manual integration (+) = signals summed

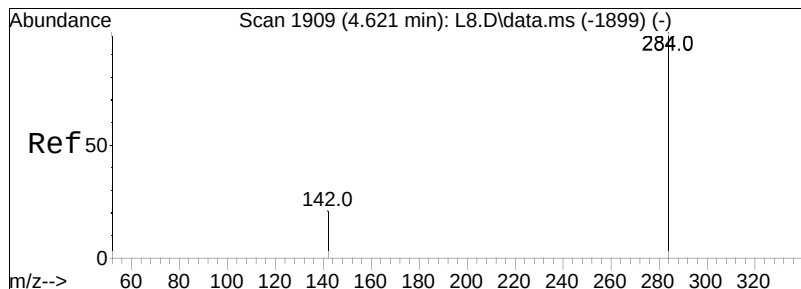
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250626RVT\
 Data File : 38805-01.D
 Acq On : 27 Jun 2025 02:18 am
 Operator : sv119:slr
 Sample : L2538805-01, 32,, DV
 Misc : WG2084091, wg2081652, ICAL22426
 ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 27 10:07:52 2025
 Quant Method : I:\8270SIM\sv119\250626RVT\SIM-RVT_250625_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Jun 27 10:08:50 2025
 Response via : Initial Calibration

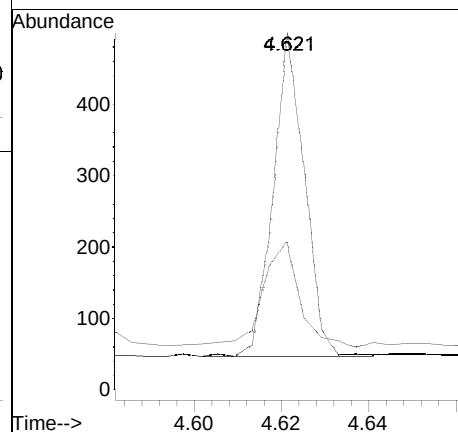
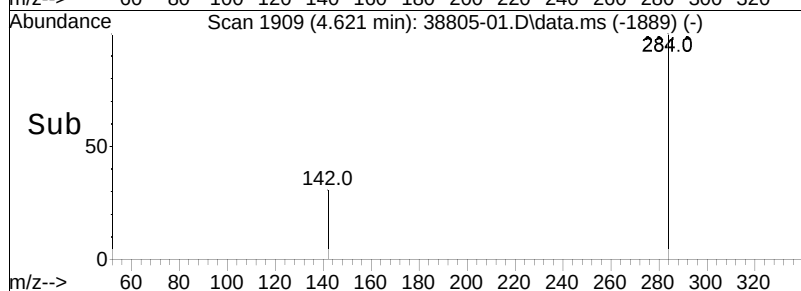
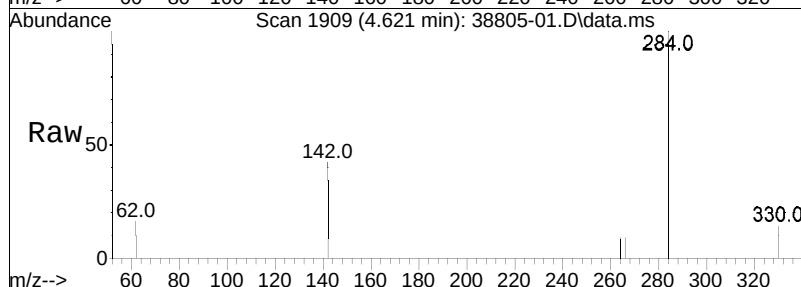
Sub List : DEFAULT - All compounds listed\ccv0626.D•





#25
 Hexachlorobenzene
 Concen: 3.04 ng/ml
 RT: 4.621 min Scan# 1909
 Delta R.T. 0.000 min
 Lab File: 38805-01.D
 Acq: 27 Jun 2025 02:18 am

Tgt Ion: 284 Resp: 223
 Ion Ratio Lower Upper
 284 100
 142 39.5 28.8 43.2



Manual Integration Report

Data Path	: I:\8270SIM\sv119\250626RVTQ	Method	: SIM-RVT_250625_sv119.M
Data File	: 38805-01.D	Operator	: sv119:slr
Date Inj'd	: 6/27/2025 2:18 am	Instrument	: SV119
Sample	: L2538805-01,32,,DV	Quant Date	: 6/27/2025 10:08 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250626RVT\
 Data File : 38805-02.D
 Acq On : 27 Jun 2025 02:35 am
 Operator : sv119:slr
 Sample : L2538805-02,32,,DV
 Misc : WG2084091,wg2081652,ICAL22426
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 27 10:07:57 2025
 Quant Method : I:\8270SIM\sv119\250626RVT\SIM-RVT_250625_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Jun 27 10:08:54 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\250626RVT\ccv0626.D
 Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.360	152	175807	4000.000	ng/ml	0.00
Standard Area 1 = 185566			Recovery = 94.74%			
9) Naphthalene-d8	3.022	136	692149	4000.000	ng/ml	0.00
Standard Area 1 = 705213			Recovery = 98.15%			
18) Acenaphthene-d10	3.996	164	432591	4000.000	ng/ml	0.00
Standard Area 1 = 406672			Recovery = 106.37%			
23) Phenanthrene-d10	4.839	188	933438	4000.000	ng/ml	0.00
Standard Area 1 = 872131			Recovery = 107.03%			
33) Chrysene-d12	6.441	240	1063063	4000.000	ng/ml	0.00
Standard Area 1 = 1108620			Recovery = 95.89%			
38) Perylene-d12	7.755	264	975785	4000.000	ng/ml	0.00
Standard Area 1 = 1141279			Recovery = 85.50%			
System Monitoring Compounds						
3) 2-Fluorophenol	1.766	112	56866	1119.348	ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery = 55.97%			
4) Phenol-d6	2.164	99	56154	889.875	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 44.49%			
8) Nitrobenzene-d5	2.638	82	45976	795.649	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 79.56%			
14) 2-Fluorobiphenyl	3.614	172	129954	837.875	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 83.79%			
22) 2,4,6-Tribromophenol	4.440	330	30278	1219.058	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 60.95%			
32) 4-Terphenyl-d14	5.764	244	249650	967.421	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 96.74%			
Target Compounds						
						Qvalue
5) Bis(2-chloroethyl)ether	0.000		0	N.D.	d	
7) Hexachloroethane	0.000		0	N.D.		
10) Naphthalene	0.000		0	N.D.	d	
11) Hexachlorobutadiene	0.000		0	N.D.		
12) 2-Methylnaphthalene	0.000		0	N.D.	d	
15) 2-Chloronaphthalene	0.000		0	N.D.		
17) Acenaphthylene	0.000		0	N.D.	d	
19) Acenaphthene	0.000		0	N.D.	d	
21) Fluorene	0.000		0	N.D.	d	
25) Hexachlorobenzene	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250626RVT\
 Data File : 38805-02.D
 Acq On : 27 Jun 2025 02:35 am
 Operator : sv119:slr
 Sample : L2538805-02,32,,DV
 Misc : WG2084091,wg2081652,ICAL22426
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 27 10:07:57 2025
 Quant Method : I:\8270SIM\sv119\250626RVT\SIM-RVT_250625_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Jun 27 10:08:54 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\250626RVT\ccv0626.D
 Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Pentachlorophenol	0.000		0	N.D.	d	
27) Phenanthrene	0.000		0	N.D.	d	
28) Anthracene	0.000		0	N.D.	d	
29) Fluoranthene	0.000		0	N.D.	d	
30) Pyrene	0.000		0	N.D.	d	
34) Benzo[a]anthracene	0.000		0	N.D.	d	
36) Chrysene	0.000		0	N.D.	d	
39) Benzo[b]fluoranthene	0.000		0	N.D.	d	
40) Benzo[k]fluoranthene	0.000		0	N.D.	d	
41) Benzo[a]pyrene	0.000		0	N.D.	d	
42) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.		
43) Dibenzo[a,h]anthracene	0.000		0	N.D.		
44) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

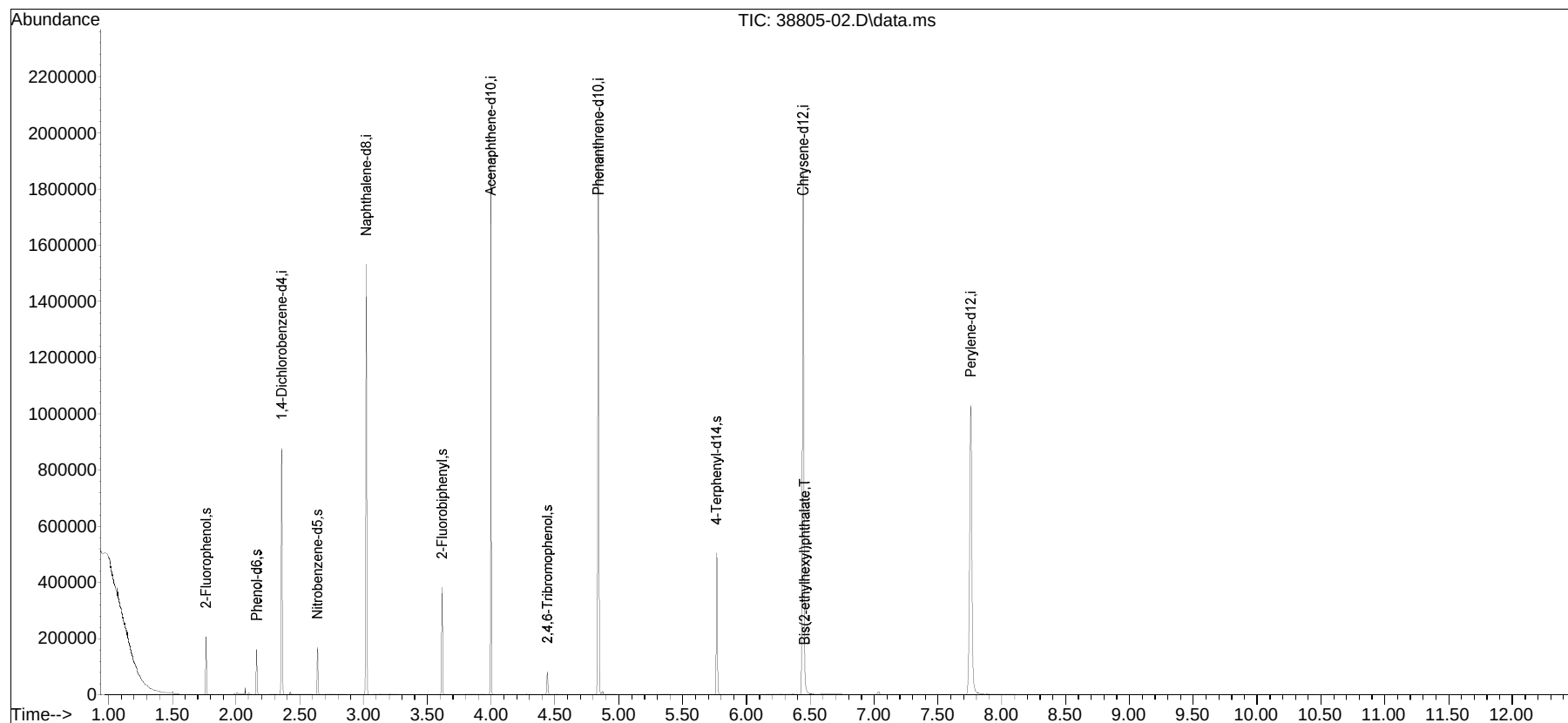
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250626RVT\
 Data File : 38805-02.D
 Acq On : 27 Jun 2025 02:35 am
 Operator : sv119:slr
 Sample : L2538805-02,32,,DV
 Misc : WG2084091,wg2081652,ICAL22426
 ALS Vial : 17 Sample Multiplier: 1

Quant Time: Jun 27 10:07:57 2025
 Quant Method : I:\8270SIM\sv119\250626RVT\SIM-RVT_250625_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Jun 27 10:08:54 2025
 Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv0626.D•



Manual Integration Report

Data Path	: I:\8270SIM\sv119\250626RVTQ	Method	: SIM-RVT_250625_sv119.M
Data File	: 38805-02.D	Operator	: sv119:slr
Date Inj'd	: 6/27/2025 2:35 am	Instrument	: SV119
Sample	: L2538805-02,32,,DV	Quant Date	: 6/27/2025 10:08 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250626RVT\
 Data File : 38805-03.D
 Acq On : 27 Jun 2025 02:52 am
 Operator : sv119:slr
 Sample : L2538805-03,32,,DV
 Misc : WG2084091,wg2081652,ICAL22426
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 27 10:08:11 2025
 Quant Method : I:\8270SIM\sv119\250626RVT\SIM-RVT_250625_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Jun 27 10:08:59 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\250626RVT\ccv0626.D
 Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.357	152	175275	4000.000	ng/ml	0.00
Standard Area 1 = 185566			Recovery	=	94.45%	
9) Naphthalene-d8	3.022	136	675860	4000.000	ng/ml	0.00
Standard Area 1 = 705213			Recovery	=	95.84%	
18) Acenaphthene-d10	3.996	164	457496	4000.000	ng/ml	0.00
Standard Area 1 = 406672			Recovery	=	112.50%	
23) Phenanthrene-d10	4.839	188	1044288	4000.000	ng/ml	0.00
Standard Area 1 = 872131			Recovery	=	119.74%	
33) Chrysene-d12	6.444	240	1278135	4000.000	ng/ml	0.00
Standard Area 1 = 1108620			Recovery	=	115.29%	
38) Perylene-d12	7.759	264	1188137	4000.000	ng/ml	0.00
Standard Area 1 = 1141279			Recovery	=	104.11%	
System Monitoring Compounds						
3) 2-Fluorophenol	1.763	112	49473	976.780	ng/ml	0.00
Spiked Amount 2000.000	Range	15 - 110	Recovery	=	48.84%	
4) Phenol-d6	2.162	99	47062	748.058	ng/ml	0.00
Spiked Amount 2000.000	Range	15 - 110	Recovery	=	37.40%	
8) Nitrobenzene-d5	2.637	82	41385	718.372	ng/ml	0.00
Spiked Amount 1000.000	Range	30 - 130	Recovery	=	71.84%	
14) 2-Fluorobiphenyl	3.614	172	122553	809.201	ng/ml	0.00
Spiked Amount 1000.000	Range	30 - 130	Recovery	=	80.92%	
22) 2,4,6-Tribromophenol	4.440	330	33439	1273.035	ng/ml	0.00
Spiked Amount 2000.000	Range	15 - 110	Recovery	=	63.65%	
32) 4-Terphenyl-d14	5.764	244	255859	886.237	ng/ml	0.00
Spiked Amount 1000.000	Range	30 - 130	Recovery	=	88.62%	
Target Compounds						
5) Bis(2-chloroethyl)ether	0.000		0	N.D.	d	Qvalue
7) Hexachloroethane	0.000		0	N.D.		
10) Naphthalene	0.000		0	N.D.	d	
11) Hexachlorobutadiene	0.000		0	N.D.		
12) 2-Methylnaphthalene	0.000		0	N.D.	d	
15) 2-Chloronaphthalene	0.000		0	N.D.	d	
17) Acenaphthylene	0.000		0	N.D.	d	
19) Acenaphthene	0.000		0	N.D.	d	
21) Fluorene	0.000		0	N.D.	d	
25) Hexachlorobenzene	4.622	284	197M7	2.676	ng/ml	

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250626RVT\
 Data File : 38805-03.D
 Acq On : 27 Jun 2025 02:52 am
 Operator : sv119:slr
 Sample : L2538805-03,32,,DV
 Misc : WG2084091,wg2081652,ICAL22426
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 27 10:08:11 2025
 Quant Method : I:\8270SIM\sv119\250626RVT\SIM-RVT_250625_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Jun 27 10:08:59 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\250626RVT\ccv0626.D
 Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Pentachlorophenol	0.000		0	N.D.	d	
27) Phenanthrene	0.000		0	N.D.	d	
28) Anthracene	0.000		0	N.D.	d	
29) Fluoranthene	0.000		0	N.D.	d	
30) Pyrene	0.000		0	N.D.	d	
34) Benzo[a]anthracene	0.000		0	N.D.	d	
36) Chrysene	0.000		0	N.D.	d	
39) Benzo[b]fluoranthene	0.000		0	N.D.	d	
40) Benzo[k]fluoranthene	0.000		0	N.D.	d	
41) Benzo[a]pyrene	0.000		0	N.D.	d	
42) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
43) Dibenzo[a,h]anthracene	0.000		0	N.D.	d	
44) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

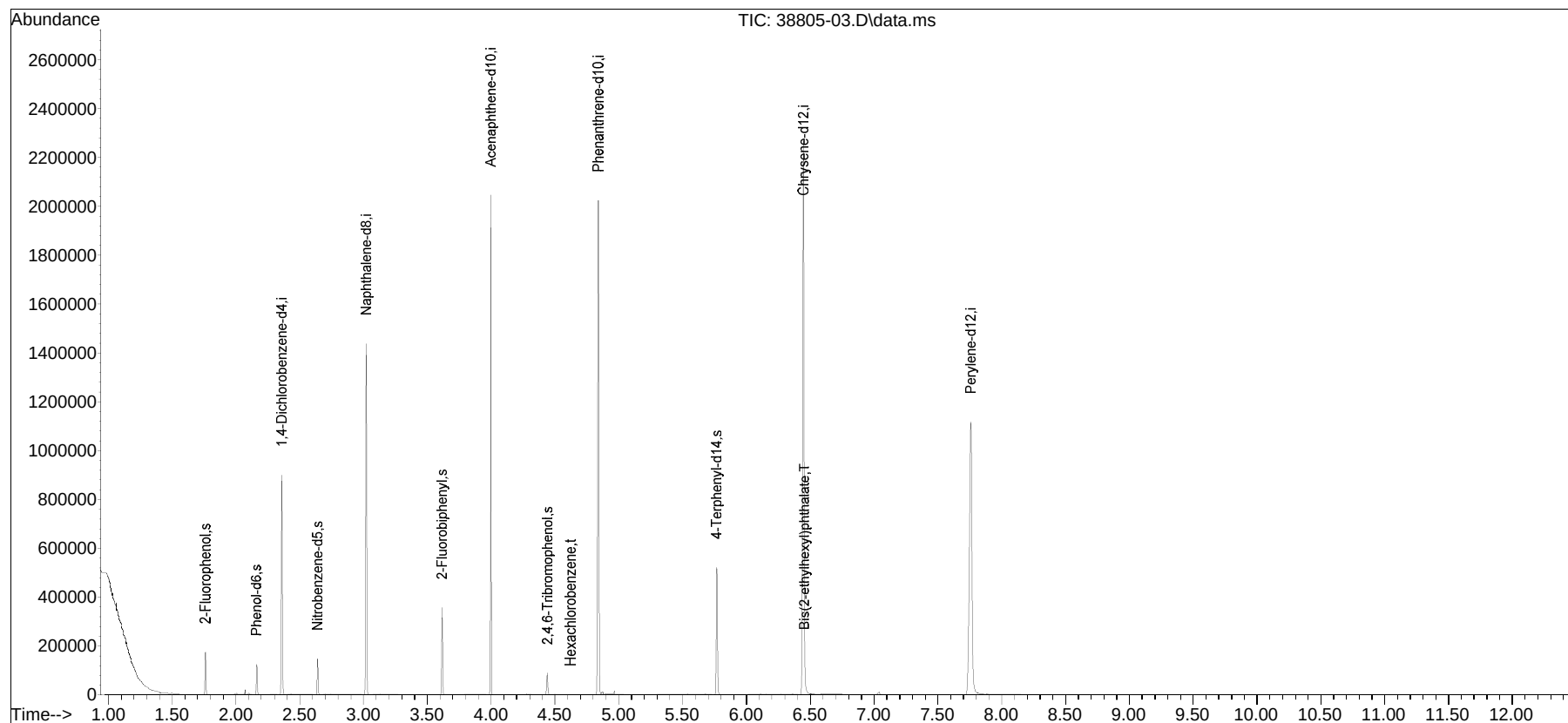
(#) = qualifier out of range (m) = manual integration (+) = signals summed

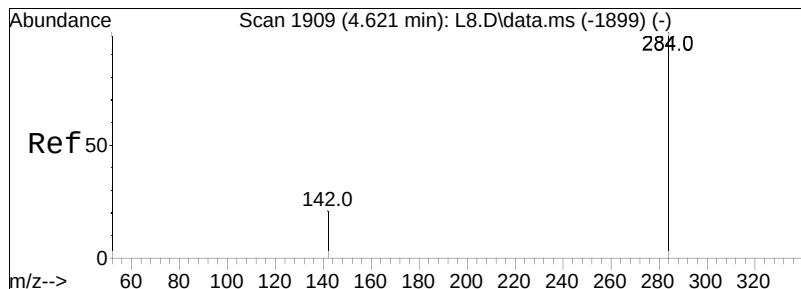
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250626RVT\
 Data File : 38805-03.D
 Acq On : 27 Jun 2025 02:52 am
 Operator : sv119:slr
 Sample : L2538805-03,32,,DV
 Misc : WG2084091,wg2081652,ICAL22426
 ALS Vial : 18 Sample Multiplier: 1

Quant Time: Jun 27 10:08:11 2025
 Quant Method : I:\8270SIM\sv119\250626RVT\SIM-RVT_250625_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Jun 27 10:08:59 2025
 Response via : Initial Calibration

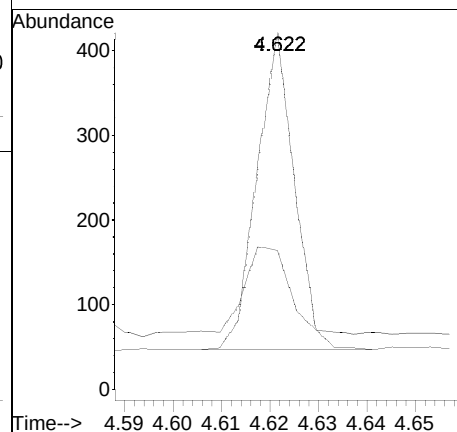
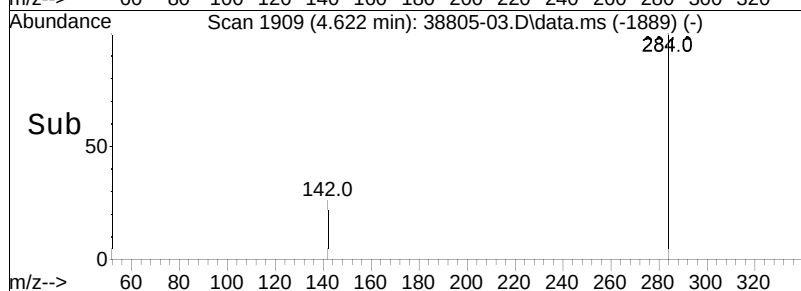
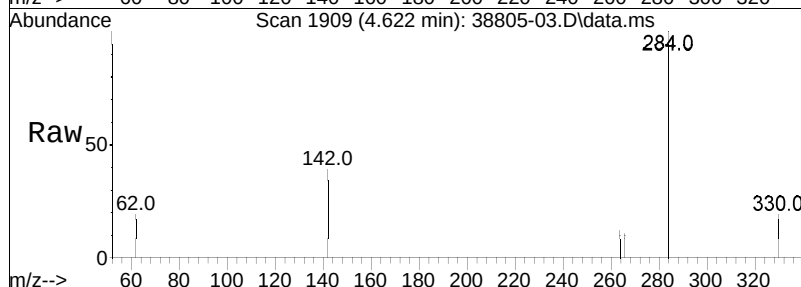
Sub List : DEFAULT - All compounds listed\ccv0626.D•





#25
 Hexachlorobenzene
 Concen: 2.68 ng/ml M7
 RT: 4.622 min Scan# 1909
 Delta R.T. 0.001 min
 Lab File: 38805-03.D
 Acq: 27 Jun 2025 02:52 am

Tgt Ion: 284 Resp: 197
 Ion Ratio Lower Upper
 284 100
 142 39.1 28.8 43.2

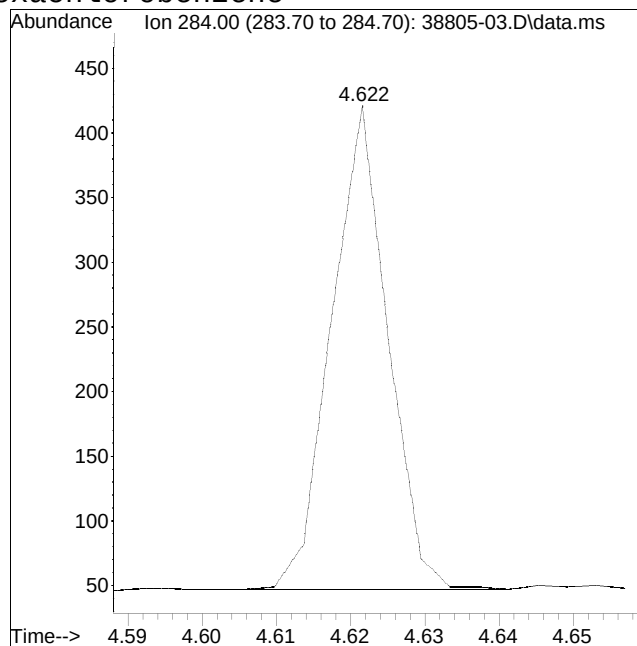
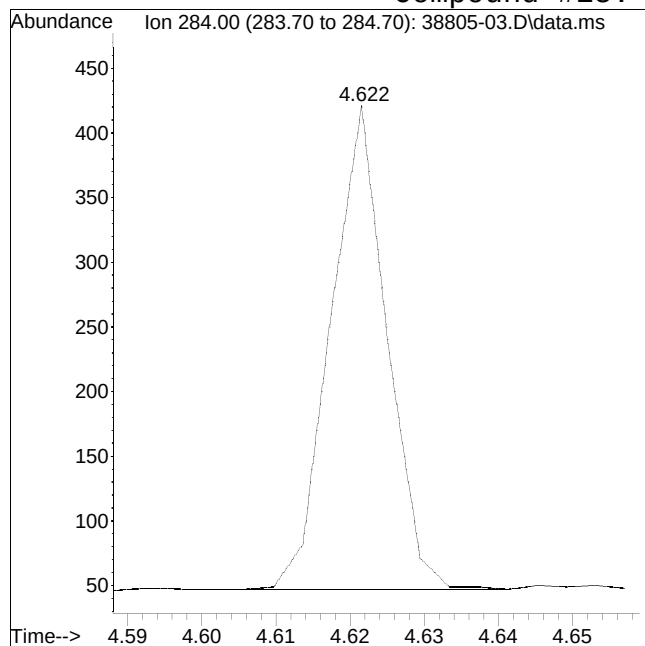


Manual Integration Report

Data Path : I:\8270SIM\sv119\250626RVTQ
Data File : 38805-03.D
Date Inj'd : 6/27/2025 2:52 am
Sample : L2538805-03,32,,DV

Method : SIM-RVT_250625_sv119.M
Operator : sv119:slr
Instrument : SV119
Quant Date : 6/27/2025 10:08 am

Compound #25: Hexachlorobenzene



Original Peak Response = 197

Manual Peak Response = 197 M7

M7 = A qualifier ion was manually integrated (only for GC/MS data).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250626RVT\
 Data File : 38805-04.D
 Acq On : 27 Jun 2025 03:08 am
 Operator : sv119:slr
 Sample : L2538805-04,32,,DV
 Misc : WG2084091,wg2081652,ICAL22426
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 27 10:08:25 2025
 Quant Method : I:\8270SIM\sv119\250626RVT\SIM-RVT_250625_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Jun 27 10:09:13 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\250626RVT\ccv0626.D
 Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.360	152	187172	4000.000	ng/ml	0.00
Standard Area 1 = 185566			Recovery	=	100.87%	
9) Naphthalene-d8	3.022	136	767833	4000.000	ng/ml	0.00
Standard Area 1 = 705213			Recovery	=	108.88%	
18) Acenaphthene-d10	3.996	164	498547	4000.000	ng/ml	0.00
Standard Area 1 = 406672			Recovery	=	122.59%	
23) Phenanthrene-d10	4.839	188	1118519	4000.000	ng/ml	0.00
Standard Area 1 = 872131			Recovery	=	128.25%	
33) Chrysene-d12	6.448	240	1334397	4000.000	ng/ml	0.00
Standard Area 1 = 1108620			Recovery	=	120.37%	
38) Perylene-d12	7.764	264	1156158	4000.000	ng/ml	0.00
Standard Area 1 = 1141279			Recovery	=	101.30%	
System Monitoring Compounds						
3) 2-Fluorophenol	1.764	112	44973	831.495	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	41.57%	
4) Phenol-d6	2.164	99	49444	735.965	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	36.80%	
8) Nitrobenzene-d5	2.638	82	42651	693.290	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	69.33%	
14) 2-Fluorobiphenyl	3.614	172	120893	702.625	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	70.26%	
22) 2,4,6-Tribromophenol	4.440	330	27191	949.934	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	47.50%	
32) 4-Terphenyl-d14	5.767	244	260352	841.951	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	84.20%	
Target Compounds						
						Qvalue
5) Bis(2-chloroethyl)ether	0.000		0	N.D.	d	
7) Hexachloroethane	0.000		0	N.D.		
10) Naphthalene	0.000		0	N.D.	d	
11) Hexachlorobutadiene	0.000		0	N.D.		
12) 2-Methylnaphthalene	0.000		0	N.D.	d	
15) 2-Chloronaphthalene	0.000		0	N.D.	d	
17) Acenaphthylene	0.000		0	N.D.	d	
19) Acenaphthene	0.000		0	N.D.	d	
21) Fluorene	0.000		0	N.D.	d	
25) Hexachlorobenzene	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250626RVT\
 Data File : 38805-04.D
 Acq On : 27 Jun 2025 03:08 am
 Operator : sv119:slr
 Sample : L2538805-04,32,,DV
 Misc : WG2084091,wg2081652,ICAL22426
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 27 10:08:25 2025
 Quant Method : I:\8270SIM\sv119\250626RVT\SIM-RVT_250625_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Jun 27 10:09:13 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\250626RVT\ccv0626.D
 Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Pentachlorophenol	0.000		0	N.D.	d	
27) Phenanthrene	0.000		0	N.D.	d	
28) Anthracene	0.000		0	N.D.	d	
29) Fluoranthene	0.000		0	N.D.	d	
30) Pyrene	0.000		0	N.D.	d	
34) Benzo[a]anthracene	0.000		0	N.D.	d	
36) Chrysene	0.000		0	N.D.	d	
39) Benzo[b]fluoranthene	0.000		0	N.D.	d	
40) Benzo[k]fluoranthene	0.000		0	N.D.	d	
41) Benzo[a]pyrene	0.000		0	N.D.	d	
42) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
43) Dibenzo[a,h]anthracene	0.000		0	N.D.	d	
44) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

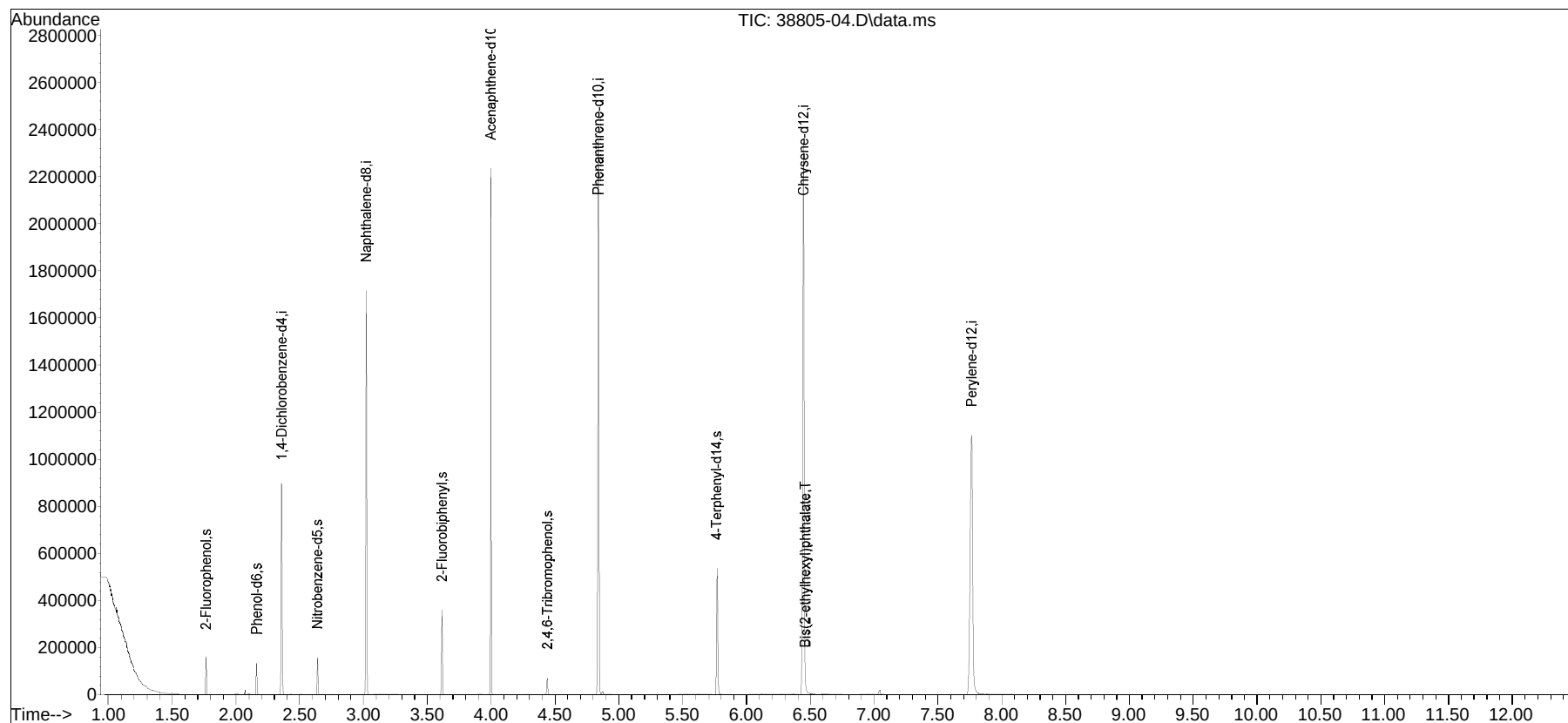
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250626RVT\
 Data File : 38805-04.D
 Acq On : 27 Jun 2025 03:08 am
 Operator : sv119:slr
 Sample : L2538805-04, 32,, DV
 Misc : WG2084091, wg2081652, ICAL22426
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 27 10:08:25 2025
 Quant Method : I:\8270SIM\sv119\250626RVT\SIM-RVT_250625_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Jun 27 10:09:13 2025
 Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv0626.D•



Manual Integration Report

Data Path	: I:\8270SIM\sv119\250626RVTQ	Method	: SIM-RVT_250625_sv119.M
Data File	: 38805-04.D	Operator	: sv119:slr
Date Inj'd	: 6/27/2025 3:08 am	Instrument	: SV119
Sample	: L2538805-04,32,,DV	Quant Date	: 6/27/2025 10:09 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250626RVT\
 Data File : 38805-05.D
 Acq On : 27 Jun 2025 03:25 am
 Operator : sv119:slr
 Sample : L2538805-05,32,,DV
 Misc : WG2084091,wg2081652,ICAL22426
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 27 10:08:32 2025
 Quant Method : I:\8270SIM\sv119\250626RVT\SIM-RVT_250625_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Jun 27 10:09:27 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\250626RVT\ccv0626.D
 Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.360	152	182674	4000.000	ng/ml	0.00
Standard Area 1 = 185566			Recovery	=	98.44%	
9) Naphthalene-d8	3.022	136	712173	4000.000	ng/ml	0.00
Standard Area 1 = 705213			Recovery	=	100.99%	
18) Acenaphthene-d10	3.996	164	442710	4000.000	ng/ml	0.00
Standard Area 1 = 406672			Recovery	=	108.86%	
23) Phenanthrene-d10	4.839	188	955368	4000.000	ng/ml	0.00
Standard Area 1 = 872131			Recovery	=	109.54%	
33) Chrysene-d12	6.445	240	1163637	4000.000	ng/ml	0.00
Standard Area 1 = 1108620			Recovery	=	104.96%	
38) Perylene-d12	7.759	264	1059678	4000.000	ng/ml	0.00
Standard Area 1 = 1141279			Recovery	=	92.85%	
System Monitoring Compounds						
3) 2-Fluorophenol	1.766	112	43436	822.852	ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	41.14%	
4) Phenol-d6	2.164	99	45852	699.304	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	34.97%	
8) Nitrobenzene-d5	2.639	82	42039	700.168	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	70.02%	
14) 2-Fluorobiphenyl	3.614	172	119571	749.255	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	74.93%	
22) 2,4,6-Tribromophenol	4.440	330	24522	964.742	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	48.24%	
32) 4-Terphenyl-d14	5.767	244	237337	898.595	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	89.86%	
Target Compounds						Qvalue
5) Bis(2-chloroethyl)ether	0.000		0	N.D.	d	
7) Hexachloroethane	0.000		0	N.D.		
10) Naphthalene	0.000		0	N.D.	d	
11) Hexachlorobutadiene	0.000		0	N.D.		
12) 2-Methylnaphthalene	0.000		0	N.D.	d	
15) 2-Chloronaphthalene	0.000		0	N.D.		
17) Acenaphthylene	0.000		0	N.D.		
19) Acenaphthene	0.000		0	N.D.	d	
21) Fluorene	0.000		0	N.D.	d	
25) Hexachlorobenzene	0.000		0	N.D.		

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250626RVT\
 Data File : 38805-05.D
 Acq On : 27 Jun 2025 03:25 am
 Operator : sv119:slr
 Sample : L2538805-05,32,,DV
 Misc : WG2084091,wg2081652,ICAL22426
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 27 10:08:32 2025
 Quant Method : I:\8270SIM\sv119\250626RVT\SIM-RVT_250625_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Jun 27 10:09:27 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\250626RVT\ccv0626.D
 Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Pentachlorophenol	0.000		0	N.D.	d	
27) Phenanthrene	0.000		0	N.D.	d	
28) Anthracene	0.000		0	N.D.	d	
29) Fluoranthene	0.000		0	N.D.	d	
30) Pyrene	0.000		0	N.D.	d	
34) Benzo[a]anthracene	0.000		0	N.D.	d	
36) Chrysene	0.000		0	N.D.	d	
39) Benzo[b]fluoranthene	0.000		0	N.D.	d	
40) Benzo[k]fluoranthene	0.000		0	N.D.	d	
41) Benzo[a]pyrene	0.000		0	N.D.	d	
42) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
43) Dibenzo[a,h]anthracene	0.000		0	N.D.		
44) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

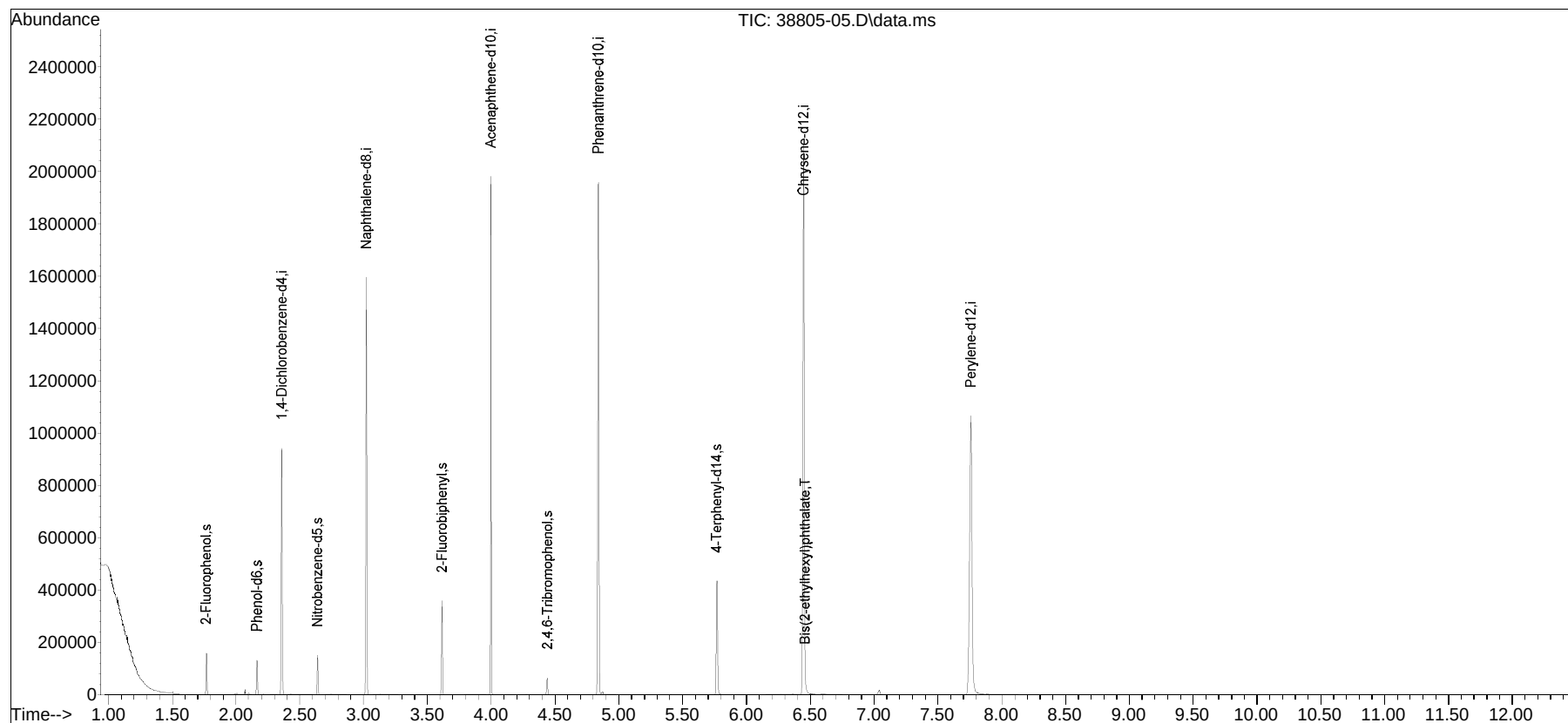
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250626RVT\
 Data File : 38805-05.D
 Acq On : 27 Jun 2025 03:25 am
 Operator : sv119:slr
 Sample : L2538805-05,32,,DV
 Misc : WG2084091,wg2081652,ICAL22426
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 27 10:08:32 2025
 Quant Method : I:\8270SIM\sv119\250626RVT\SIM-RVT_250625_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Jun 27 10:09:27 2025
 Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv0626.D•



Manual Integration Report

Data Path	: I:\8270SIM\sv119\250626RVTQ	Method	: SIM-RVT_250625_sv119.M
Data File	: 38805-05.D	Operator	: sv119:slr
Date Inj'd	: 6/27/2025 3:25 am	Instrument	: SV119
Sample	: L2538805-05,32,,DV	Quant Date	: 6/27/2025 10:09 am

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250626RVT\
 Data File : 38805-06.D
 Acq On : 27 Jun 2025 03:42 am
 Operator : sv119:slr
 Sample : L2538805-06,32,,DV
 Misc : WG2084091,wg2081652,ICAL22426
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jun 27 10:08:39 2025
 Quant Method : I:\8270SIM\sv119\250626RVT\SIM-RVT_250625_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Jun 27 10:09:33 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\250626RVT\ccv0626.D
 Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.360	152	174328	4000.000	ng/ml	0.00
Standard Area 1 = 185566			Recovery	=	93.94%	
9) Naphthalene-d8	3.022	136	678020	4000.000	ng/ml	0.00
Standard Area 1 = 705213			Recovery	=	96.14%	
18) Acenaphthene-d10	3.996	164	421525	4000.000	ng/ml	0.00
Standard Area 1 = 406672			Recovery	=	103.65%	
23) Phenanthrene-d10	4.840	188	961730	4000.000	ng/ml	0.00
Standard Area 1 = 872131			Recovery	=	110.27%	
33) Chrysene-d12	6.443	240	1173995	4000.000	ng/ml	0.00
Standard Area 1 = 1108620			Recovery	=	105.90%	
38) Perylene-d12	7.755	264	1083883	4000.000	ng/ml	0.00
Standard Area 1 = 1141279			Recovery	=	94.97%	
System Monitoring Compounds						
3) 2-Fluorophenol	1.764	112	33611	667.210	ng/ml	0.00
Spiked Amount 2000.000	Range	15 - 110	Recovery	=	33.36%	
4) Phenol-d6	2.164	99	37204	594.576	ng/ml	0.00
Spiked Amount 2000.000	Range	15 - 110	Recovery	=	29.73%	
8) Nitrobenzene-d5	2.638	82	37497	654.419	ng/ml	0.00
Spiked Amount 1000.000	Range	30 - 130	Recovery	=	65.44%	
14) 2-Fluorobiphenyl	3.614	172	104081	685.044	ng/ml	0.00
Spiked Amount 1000.000	Range	30 - 130	Recovery	=	68.50%	
22) 2,4,6-Tribromophenol	4.440	330	21521	889.229	ng/ml	0.00
Spiked Amount 2000.000	Range	15 - 110	Recovery	=	44.46%	
32) 4-Terphenyl-d14	5.764	244	252086	948.124	ng/ml	0.00
Spiked Amount 1000.000	Range	30 - 130	Recovery	=	94.81%	
Target Compounds						Qvalue
5) Bis(2-chloroethyl)ether	0.000		0	N.D.	d	
7) Hexachloroethane	0.000		0	N.D.		
10) Naphthalene	0.000		0	N.D.	d	
11) Hexachlorobutadiene	0.000		0	N.D.		
12) 2-Methylnaphthalene	0.000		0	N.D.	d	
15) 2-Chloronaphthalene	0.000		0	N.D.	d	
17) Acenaphthylene	0.000		0	N.D.	d	
19) Acenaphthene	0.000		0	N.D.	d	
21) Fluorene	0.000		0	N.D.	d	
25) Hexachlorobenzene	0.000		0	N.D.	d	

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250626RVT\
 Data File : 38805-06.D
 Acq On : 27 Jun 2025 03:42 am
 Operator : sv119:slr
 Sample : L2538805-06,32,,DV
 Misc : WG2084091,wg2081652,ICAL22426
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jun 27 10:08:39 2025
 Quant Method : I:\8270SIM\sv119\250626RVT\SIM-RVT_250625_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Jun 27 10:09:33 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\250626RVT\ccv0626.D
 Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Pentachlorophenol	0.000		0	N.D.	d	
27) Phenanthrene	0.000		0	N.D.	d	
28) Anthracene	0.000		0	N.D.	d	
29) Fluoranthene	0.000		0	N.D.	d	
30) Pyrene	0.000		0	N.D.	d	
34) Benzo[a]anthracene	0.000		0	N.D.	d	
36) Chrysene	0.000		0	N.D.	d	
39) Benzo[b]fluoranthene	0.000		0	N.D.	d	
40) Benzo[k]fluoranthene	0.000		0	N.D.	d	
41) Benzo[a]pyrene	0.000		0	N.D.	d	
42) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
43) Dibenzo[a,h]anthracene	0.000		0	N.D.	d	
44) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

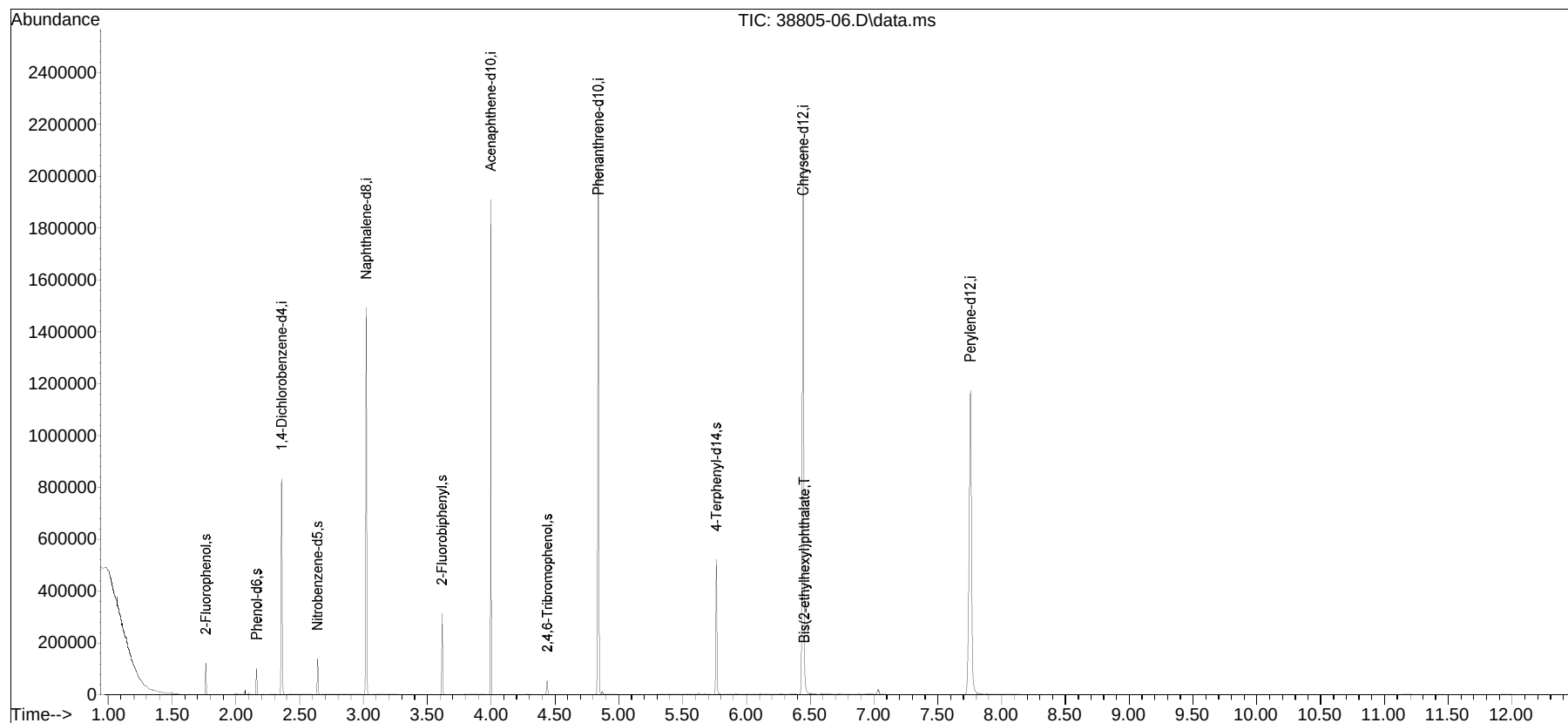
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250626RVT\
 Data File : 38805-06.D
 Acq On : 27 Jun 2025 03:42 am
 Operator : sv119:slr
 Sample : L2538805-06,32,,DV
 Misc : WG2084091,wg2081652,ICAL22426
 ALS Vial : 21 Sample Multiplier: 1

Quant Time: Jun 27 10:08:39 2025
 Quant Method : I:\8270SIM\sv119\250626RVT\SIM-RVT_250625_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Jun 27 10:09:33 2025
 Response via : Initial Calibration

Sub List : DEFAULT - All compounds listed\ccv0626.D•



Manual Integration Report

Data Path	: I:\8270SIM\sv119\250626RVTQ	Method	: SIM-RVT_250625_sv119.M
Data File	: 38805-06.D	Operator	: sv119:slr
Date Inj'd	: 6/27/2025 3:42 am	Instrument	: SV119
Sample	: L2538805-06,32,,DV	Quant Date	: 6/27/2025 10:09 am

There are no manual integrations or false positives in this file.

Semivolatiles Standards Data

Initial Calibration

Initial Calibration Summary

Form 6

Semivolatiles

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM GROUNDWATER EVENT
Instrument ID : SV119
Calibration dates : 06/18/25 18:34 06/18/25 21:03
Lab Number : L2538805
Project Number : 2232.0006Y005
Ical Ref : ICAL22394

Calibration Files

L1 =L1.D L2 =L2.D L3 =L3.D L4 =L4.D L5 =L5.D L6 =L6.D L7 =L7.D L8 =L8.D L9 =L9.D
 L10 =L10.D

Compound		L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	Avg	
1) i	1,4-Dichlorobenzene-d4	-----ISTD-----											
2) T	N-Nitrosodimethylamine					0.731	0.667	0.666	0.646	0.648	0.611	0.662	5.99
3) s	2-Fluorophenol		1.153	1.157	1.129	1.147	1.142	1.150	1.118	1.086	1.029	1.123	3.72
4) s	Phenol-d6		1.777	1.380	1.545	1.400	1.406	1.433	1.400	1.415	1.371	1.459	8.91
5) T	Bis(2-chloroethyl)ether				1.231	1.169	1.180	1.210	1.170	1.159	1.120	1.177	3.06
6) T	n-nitrosodi-n-propylamine			0.894	0.866	0.864	0.860	0.908	0.875	0.915	0.897	0.885	2.39
7) t	Hexachloroethane			0.521	0.574	0.535	0.529	0.542	0.524	0.521	0.502	0.531	3.95
8) s	Nitrobenzene-d5		1.250	1.207	1.198	1.191	1.185	1.228	1.188	1.213	1.170	1.203	2.03
9) i	Naphthalene-d8	-----ISTD-----											
10) t	Naphthalene		1.136	1.119	1.071	1.044	1.030	1.049	1.019	1.006	0.957	1.048	5.29
11) t	Hexachlorobutadiene		0.231	0.219	0.205	0.208	0.206	0.208	0.203	0.198	0.189	0.208	5.83
12) t	2-Methylnaphthalene		0.803	0.724	0.690	0.690	0.682	0.701	0.670	0.666	0.628	0.695	6.95
13) t	1-Methylnaphthalene		0.777	0.750	0.733	0.719	0.717	0.736	0.697	0.689	0.648	0.718	5.20
14) s	2-Fluorobiphenyl		0.942	0.951	0.946	0.933	0.928	0.940	0.877	0.843	0.785	0.905	6.40
15) t	2-Chloronaphthalene		0.795	0.791	0.796	0.798	0.790	0.803	0.762	0.758	0.721	0.779	3.49
16) t	2,6-Dinitrotoluene					0.147	0.141	0.157	0.157	0.176	0.173	0.159	8.84
17) t	Acenaphthylene	1.363	1.331	1.292	1.285	1.301	1.292	1.349	1.279	1.270	1.193	1.296	3.66
18) i	Acenaphthene-d10	-----ISTD-----											
19) t	Acenaphthene	1.428	1.360	1.324	1.329	1.322	1.318	1.351	1.310	1.305	1.240	1.329	3.57
20) t	2,4-Dinitrotoluene					0.303	0.304	0.347	0.360	0.401	0.402	0.353	12.47
21) t	Fluorene	1.671	1.627	1.617	1.603	1.594	1.574	1.646	1.576	1.551	1.437	1.589	4.05
22) s	2,4,6-Tribromophenol			0.201	0.203	0.190	0.190	0.205	0.202	0.210	0.205	0.201	3.53
23) i	Phenanthrene-d10	-----ISTD-----											
24) T	4,6-Dinitro-o-cresol					0.073	0.071	0.084	0.085	0.095	0.099	*Q	0.99
95)													
25) t	Hexachlorobenzene		0.261	0.251	0.251	0.251	0.251	0.254	0.243	0.240	0.226	0.248	4.02
26) t	Pentachlorophenol				0.173	0.122	0.113	0.105	0.109	0.128	0.143	*Q	0.99
96)													
27) t	Phenanthrene	1.432	1.308	1.211	1.184	1.157	1.140	1.171	1.125	1.113	1.046	1.189	9.21
28) t	Anthracene	1.184	1.185	1.172	1.170	1.158	1.143	1.196	1.157	1.150	1.082	1.160	2.77
29) t	Fluoranthene	1.572	1.482	1.438	1.458	1.426	1.416	1.459	1.405	1.357		1.446	4.13
30) t	Pyrene	1.605	1.535	1.513	1.500	1.484	1.460	1.513	1.444	1.372		1.492	4.33
31) T	Benzidine							0.411	0.618	0.779	0.805	*L	0.99
98)													
32) s	4-Terphenyl-d14			0.929	0.954	0.941	0.923	0.940	0.894	0.840	0.774	0.899	6.90
33) i	Chrysene-d12	-----ISTD-----											



Initial Calibration Summary

Form 6

Semivolatiles

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM GROUNDWATER EVENT
Instrument ID : SV119
Calibration dates : 06/18/25 18:34 06/18/25 21:03
Lab Number : L2538805
Project Number : 2232.0006Y005
Ical Ref : ICAL22394

Calibration Files

L1 =L1.D L2 =L2.D L3 =L3.D L4 =L4.D L5 =L5.D L6 =L6.D L7 =L7.D L8 =L8.D L9 =L9.D
 L10 =L10.D

	Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	Avg
34) t	Benzo[a]anthracene			3.637	2.454	1.594	1.438	1.460	1.421	1.439	1.378	*L 0.99
96)												
35) t	3,3'-Dichlorobenzidine					0.400	0.435	0.543	0.557	0.605	0.593	0.522 16.27
36) t	Chrysene			1.228	1.330	1.305	1.314	1.384	1.330	1.344	1.284	1.315 3.48
37) T	Bis(2-ethylhexyl)phtha...					0.491	0.511	0.637	0.698	0.804	0.802	*L 0.99
68)												
38) i	Perylene-d12	-----ISTD-----										
39) t	Benzo[b]fluoranthene			0.997	1.066	1.118	1.188	1.356	1.314	1.330	1.275	1.206 11.10
40) t	Benzo[k]fluoranthene			1.059	1.170	1.237	1.290	1.417	1.384	1.368	1.260	1.273 9.40
41) t	Benzo[a]pyrene			0.873	0.943	1.006	1.059	1.220	1.218	1.255	1.201	1.097 13.32
42) t	Indeno[1,2,3-cd]pyrene			0.629	0.698	0.756	0.849	1.060	1.124	1.189		*L 0.99
66)												
43) t	Dibenzo[a,h]anthracene			0.533	0.582	0.688	0.812	1.066	1.081	1.122		*L 0.99
76)												
44) t	Benzo[g,h,i]perylene			0.707	0.808	0.886	0.968	1.137	1.160	1.200		*L 0.99
87)												

Initial Calibration Summary

Form 6

Semivolatiles

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM GROUNDWATER EVENT
Instrument ID : SV119
Calibration dates : 06/25/25 20:07 06/25/25 22:41
Lab Number : L2538805
Project Number : 2232.0006Y005
Ical Ref : ICAL22426

Calibration Files

L1 =L1.D L2 =L2.D L3 =L3.D L4 =L4.D L5 =L5.D L6 =L6.D L7 =L7.D L8 =L8.D L9 =L9.D
 L10 =L10.D

Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	Avg
1) i 1,4-Dichlorobenzene-d4	-----ISTD-----										
2) T N-Nitrosodimethylamine					0.658	0.685	0.708	0.679	0.692	0.671	0.682
3) s 2-Fluorophenol	1.367	1.221	1.150	1.136	1.150	1.098	1.137	1.101	1.137	1.060	1.156
4) s Phenol-d6		1.529	1.448	1.444	1.455	1.365	1.431	1.423	1.436	1.391	1.436
5) T Bis(2-chloroethyl)ether	1.471	1.375	1.335	1.299	1.202	1.141	1.184	1.177	1.167	1.122	1.247
6) T n-nitrosodi-n-propylamine			1.058	0.901	0.912	0.841	0.908	0.926	0.963	0.925	0.929
7) t Hexachloroethane	0.477	0.510	0.550	0.538	0.543	0.492	0.515	0.509	0.507	0.496	0.514
8) s Nitrobenzene-d5	1.471	1.423	1.456	1.290	1.281	1.160	1.254	1.285	1.295	1.233	1.315
9) i Naphthalene-d8	-----ISTD-----										
10) t Naphthalene	1.216	1.251	1.138	1.099	1.057	1.036	1.048	1.031	1.018	0.968	1.086
11) t Hexachlorobutadiene	0.226	0.212	0.202	0.209	0.205	0.198	0.203	0.198	0.195	0.190	0.204
12) t 2-Methylnaphthalene	0.853	0.768	0.699	0.685	0.680	0.631	0.665	0.653	0.670	0.615	0.692
13) t 1-Methylnaphthalene	0.748	0.720	0.726	0.710	0.700	0.668	0.697	0.690	0.706	0.634	0.700
14) s 2-Fluorobiphenyl	0.936	0.935	0.905	0.918	0.912	0.868	0.899	0.887	0.903	0.801	0.896
15) t 2-Chloronaphthalene	0.715	0.777	0.785	0.771	0.767	0.727	0.762	0.753	0.780	0.697	0.753
16) t 2,6-Dinitrotoluene					0.144	0.130	0.153	0.170	0.198	0.180	0.162
17) t Acenaphthylene	1.216	1.261	1.237	1.272	1.292	1.195	1.297	1.299	1.379	1.207	1.266
18) i Acenaphthene-d10	-----ISTD-----										
19) t Acenaphthene	1.431	1.382	1.342	1.356	1.341	1.304	1.327	1.289	1.262	1.209	1.324
20) t 2,4-Dinitrotoluene					0.316	0.299	0.353	0.381	0.424	0.406	0.363
21) t Fluorene	1.809	1.678	1.612	1.628	1.612	1.543	1.602	1.572	1.492	1.413	1.596
22) s 2,4,6-Tribromophenol		0.237	0.231	0.225	0.223	0.210	0.231	0.236	0.241	0.233	0.230
23) i Phenanthrene-d10	-----ISTD-----										
24) T 4,6-Dinitro-o-cresol					0.080	0.074	0.088	0.093	0.104	0.106	*L
75)											
25) t Hexachlorobenzene	0.323	0.291	0.286	0.294	0.290	0.263	0.278	0.267	0.266	0.262	0.282
26) t Pentachlorophenol				0.149	0.115	0.091	0.094	0.110	0.141	0.154	*Q
73)											
27) t Phenanthrene		1.396	1.261	1.241	1.214	1.194	1.195	1.156	1.151	1.082	1.210
28) t Anthracene		1.246	1.244	1.271	1.249	1.155	1.245	1.222	1.218	1.145	1.222
29) t Fluoranthene		1.807	1.624	1.610	1.594	1.474	1.632	1.601	1.571	1.431	1.594
30) t Pyrene		1.917	1.715	1.733	1.699	1.551	1.720	1.685	1.628	1.446	1.677
31) T Benzydine						0.022	0.427	0.785	0.993	0.954	*L
01)											
32) s 4-Terphenyl-d14		1.225	1.145	1.167	1.155	1.045	1.140	1.117	1.036	0.922	1.106
33) i Chrysene-d12	-----ISTD-----										



Initial Calibration Summary

Form 6

Semivolatiles

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM GROUNDWATER EVENT
Instrument ID : SV119
Calibration dates : 06/25/25 20:07 06/25/25 22:41
Lab Number : L2538805
Project Number : 2232.0006Y005
Ical Ref : ICAL22426

Calibration Files

L1 =L1.D L2 =L2.D L3 =L3.D L4 =L4.D L5 =L5.D L6 =L6.D L7 =L7.D L8 =L8.D L9 =L9.D
 L10 =L10.D

Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	Avg
34) t Benzo[a]anthracene 96)	1.224	0.683	0.345	0.237	0.156	0.136	0.138	0.137	0.140	0.133	*L 0.99
35) t 3,3'-Dichlorobenzidine					0.422	0.435	0.548	0.586	0.612	0.601	0.534 15.88
36) t Chrysene	1.266	1.325	1.261	1.325	1.318	1.301	1.361	1.316	1.313	1.252	1.304 2.62
37) T Bis(2-ethylhexyl)phtha...					0.686	0.621	0.602	0.689	0.742	0.828	0.846 0.716 13.23
38) i Perylene-d12	-----ISTD-----										
39) t Benzo[b]fluoranthene			0.916	1.011	1.028	0.996	1.169	1.209	1.268	1.245	1.105 12.01
40) t Benzo[k]fluoranthene			1.164	1.204	1.255	1.310	1.358	1.336	1.344	1.255	1.278 5.50
41) t Benzo[a]pyrene			0.859	0.897	0.961	0.966	1.143	1.168	1.222	1.184	1.050 13.71
42) t Indeno[1,2,3-cd]pyrene 87)			0.640	0.640	0.684	0.705	0.835	0.940	1.057	1.112	*Q 0.99
43) t Dibenzo[a,h]anthracene 87)			0.546	0.576	0.660	0.659	0.903	0.965	1.040	1.059	*Q 0.99
44) t Benzo[g,h,i]perylene			0.781	0.811	0.884	0.902	1.066	1.096	1.141	1.121	0.975 15.01



Response Factor Report SV119

Method Path : I:\8270SIM\sv119\250618RVTical\
Method File : SIM-RVT_250618_sv119.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Thu Jun 19 10:23:42 2025
Response Via : Initial Calibration

Calibration Files

L1 =L1.D L2 =L2.D L3 =L3.D L4 =L4.D L5 =L5.D L6 =L6.D L7 =L7.D L8 =L8.D L9 =L9.D
L10 =L10.D

%RSD		Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	Avg

1) i	2) T	1,4-Dichlorobenzene-d4 N-Nitrosodimet...	-----ISTD-----										
						0.731	0.667	0.666	0.646	0.648	0.611	0.662	5.99
3) s		2-Fluorophenol	1.153	1.157	1.129	1.147	1.142	1.150	1.118	1.086	1.029	1.123	3.72
4) s		Phenol-d6	1.777	1.380	1.545	1.400	1.406	1.433	1.400	1.415	1.371	1.459	8.91
5) T		Bis(2-chloroet...			1.231	1.169	1.180	1.210	1.170	1.159	1.120	1.177	3.06
6) T		n-nitrosodi-n-...		0.894	0.866	0.864	0.860	0.908	0.875	0.915	0.897	0.885	2.39
7) t		Hexachloroethane		0.521	0.574	0.535	0.529	0.542	0.524	0.521	0.502	0.531	3.95
8) s		Nitrobenzene-d5	1.250	1.207	1.198	1.191	1.185	1.228	1.188	1.213	1.170	1.203	2.03
9) i	10) t	Naphthalene-d8 Naphthalene	-----ISTD-----										
			1.136	1.119	1.071	1.044	1.030	1.049	1.019	1.006	0.957	1.048	5.29
11) t		Hexachlorobuta...	0.231	0.219	0.205	0.208	0.206	0.208	0.203	0.198	0.189	0.208	5.83
12) t		2-Methylnaphth...	0.803	0.724	0.690	0.690	0.682	0.701	0.670	0.666	0.628	0.695	6.95
13) t		1-Methylnaphth...	0.777	0.750	0.733	0.719	0.717	0.736	0.697	0.689	0.648	0.718	5.20
14) s		2-Fluorobiphenyl	0.942	0.951	0.946	0.933	0.928	0.940	0.877	0.843	0.785	0.905	6.40
15) t		2-Chloronaphth...	0.795	0.791	0.796	0.798	0.790	0.803	0.762	0.758	0.721	0.779	3.49

Response Factor Report SV119

Method Path : I:\8270SIM\sv119\250618RVTical\
 Method File : SIM-RVT_250618_sv119.M
 Title : Semivolatiles by GC/MS by modified 8270
 Last Update : Thu Jun 19 10:23:42 2025
 Response Via : Initial Calibration

Calibration Files

L1 =L1.D L2 =L2.D L3 =L3.D L4 =L4.D L5 =L5.D L6 =L6.D L7 =L7.D L8 =L8.D L9 =L9.D
 L10 =L10.D

	Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	Avg	
%RSD													
16) t	2,6-Dinitrotol...					0.147	0.141	0.157	0.157	0.176	0.173	0.159	8.84
17) t	Acenaphthylene	1.363	1.331	1.292	1.285	1.301	1.292	1.349	1.279	1.270	1.193	1.296	3.66
18) i	Acenaphthene-d10	-----ISTD-----											
19) t	Acenaphthene	1.428	1.360	1.324	1.329	1.322	1.318	1.351	1.310	1.305	1.240	1.329	3.57
20) t	2,4-Dinitrotol...					0.303	0.304	0.347	0.360	0.401	0.402	0.353	12.47
21) t	Fluorene	1.671	1.627	1.617	1.603	1.594	1.574	1.646	1.576	1.551	1.437	1.589	4.05
22) s	2,4,6-Tribromo...			0.201	0.203	0.190	0.190	0.205	0.202	0.210	0.205	0.201	3.53
23) i	Phenanthrene-d10	-----ISTD-----											
24) T	4,6-Dinitro-o-...					0.073	0.071	0.084	0.085	0.095	0.099	*Q	0.99
95													
25) t	Hexachlorobenzene	0.261	0.251	0.251	0.251	0.251	0.254	0.243	0.240	0.226	0.248		4.02
26) t	Pentachlorophenol				0.173	0.122	0.113	0.105	0.109	0.128	0.143	*Q	0.99
96													
27) t	Phenanthrene	1.432	1.308	1.211	1.184	1.157	1.140	1.171	1.125	1.113	1.046	1.189	9.21
28) t	Anthracene	1.184	1.185	1.172	1.170	1.158	1.143	1.196	1.157	1.150	1.082	1.160	2.77
29) t	Fluoranthene	1.572	1.482	1.438	1.458	1.426	1.416	1.459	1.405	1.357		1.446	4.13
30) t	Pyrene	1.605	1.535	1.513	1.500	1.484	1.460	1.513	1.444	1.372		1.492	4.33

Response Factor Report SV119

Method Path : I:\8270SIM\sv119\250618RVTical\
Method File : SIM-RVT_250618_sv119.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Thu Jun 19 10:23:42 2025
Response Via : Initial Calibration

Calibration Files

L1 =L1.D L2 =L2.D L3 =L3.D L4 =L4.D L5 =L5.D L6 =L6.D L7 =L7.D L8 =L8.D L9 =L9.D
L10 =L10.D

Compound		L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	Avg
%RSD												

31) T	Benzidine						0.411	0.618	0.779	0.805	*L	0.99
98												
32) s	4-Terphenyl-d14		0.929	0.954	0.941	0.923	0.940	0.894	0.840	0.774	0.899	6.90

33) i	Chrysene-d12	-----ISTD-----										
34) t	Benzo[a]anthra...		3.637	2.454	1.594	1.438	1.460	1.421	1.439	1.378	*L	0.99
96												
35) t	3,3'-Dichlorob...				0.400	0.435	0.543	0.557	0.605	0.593	0.522	16.27
36) t	Chrysene		1.228	1.330	1.305	1.314	1.384	1.330	1.344	1.284	1.315	3.48
37) T	Bis(2-ethylhex...				0.491	0.511	0.637	0.698	0.804	0.802	*L	0.99
68												
38) i	Perylene-d12	-----ISTD-----										
39) t	Benzo[b]fluora...		0.997	1.066	1.118	1.188	1.356	1.314	1.330	1.275	1.206	11.10
40) t	Benzo[k]fluora...		1.059	1.170	1.237	1.290	1.417	1.384	1.368	1.260	1.273	9.40
41) t	Benzo[a]pyrene		0.873	0.943	1.006	1.059	1.220	1.218	1.255	1.201	1.097	13.32
42) t	Indeno[1,2,3-c...		0.629	0.698	0.756	0.849	1.060	1.124	1.189		*L	0.99
66												
43) t	Dibenzo[a,h]an...		0.533	0.582	0.688	0.812	1.066	1.081	1.122		*L	0.99
76												
44) t	Benzo[g,h,i]pe...		0.707	0.808	0.886	0.968	1.137	1.160	1.200		*L	0.99
87												

Response Factor Report SV119

Method Path : I:\8270SIM\sv119\250618RVTical\
 Method File : SIM-RVT_250618_sv119.M
 Title : Semivolatiles by GC/MS by modified 8270
 Last Update : Thu Jun 19 10:23:42 2025
 Response Via : Initial Calibration

Calibration Files

L1 =L1.D L2 =L2.D L3 =L3.D L4 =L4.D L5 =L5.D L6 =L6.D L7 =L7.D L8 =L8.D L9 =L9.D
 L10 =L10.D

Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	Avg
%RSD											

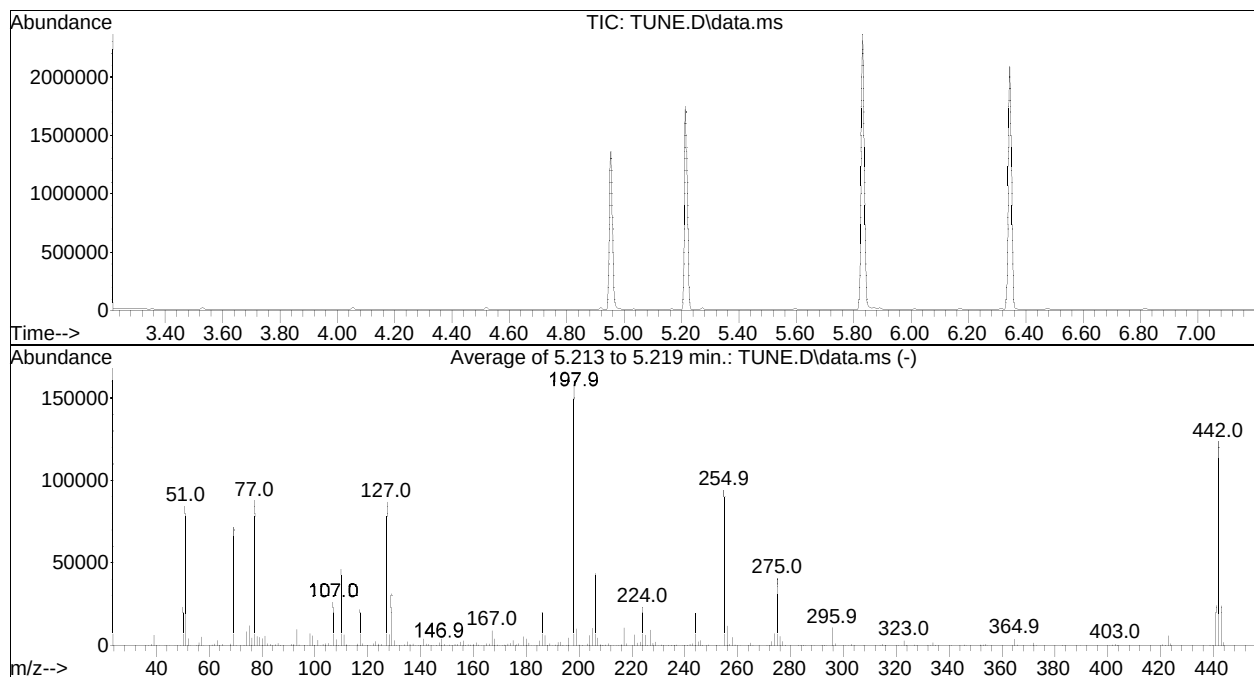
(#) = Out of Range

DFTPP

Data Path : I:\8270SIM\sv119\250618RVTical\
Data File : TUNE.D
Acq On : 18 Jun 2025 06:07 pm
Operator : sv119:slr
Sample : TUNE
Misc : WG2080956,,ical
ALS Vial : 48 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270SIM\sv119\250618RVTical\SIM-RVT_250618_sv119.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Thu Jun 19 10:23:42 2025



AutoFind: Scans 683, 684, 685; Background Corrected with Scan 676

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	52.8	84471	PASS
68	69	0.00	2	2.0	1424	PASS
69	69	100	100	100.0	71693	PASS
70	69	0.00	2	0.7	517	PASS
127	198	10	80	54.3	86816	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	159893	PASS
199	198	5	9	6.4	10221	PASS
275	198	10	60	25.4	40675	PASS
365	198	1	100	2.6	4126	PASS
441	442	0.01	24	19.6	24221	PASS
442	198	50	100	77.4	123779	PASS
443	442	15	24	19.4	24019	PASS

Data Path : I:\8270SIM\sv119\250618RVTical\

Data File : TUNE.D

Acq On : 18 Jun 2025 06:07 pm

Operator : sv119:slr

Sample : TUNE

Misc : WG2080956,,ical

ALS Vial : 48 Sample Multiplier: 1

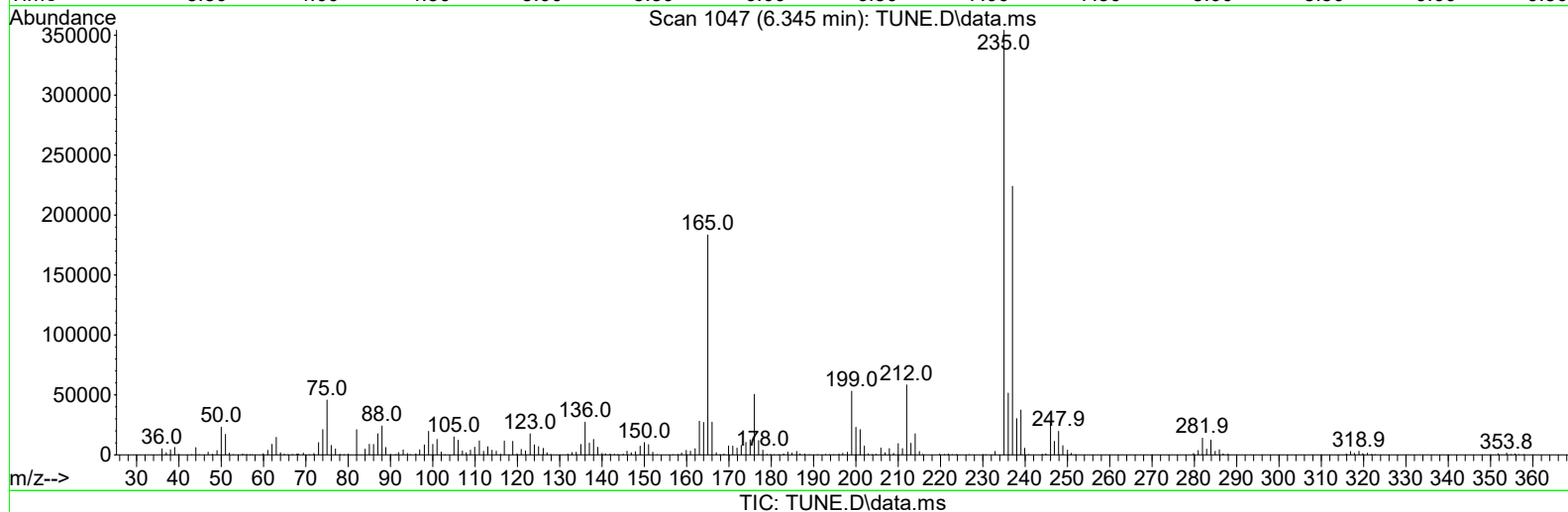
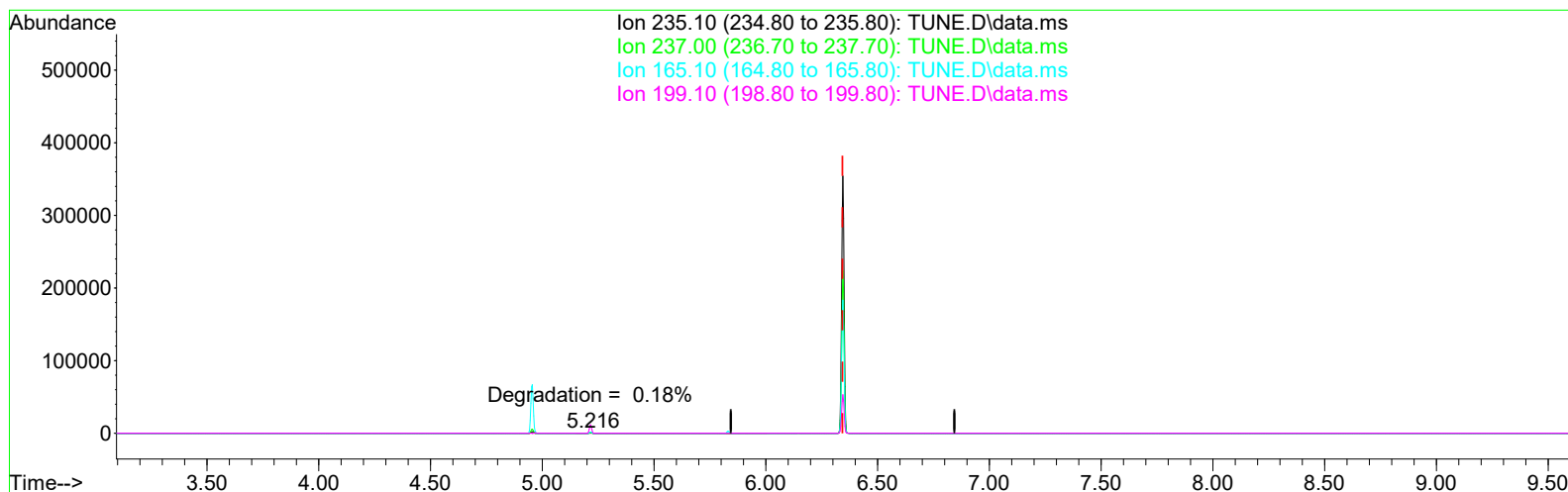
Quant Time: Jun 18 18:29:26 2025

Quant Method : I:\8270SIM\sv119\250618RVTical\dftppsv119.m

Quant Title : Semivolatiles by GC/MS by modified 8270

QLast Update : Wed Jun 18 18:30:20 2025

Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D



TIC: TUNE.D\data.ms

(6) d dt (T)

6.345min (-0.000) 44.47

response 271064

I on Exp % A ct%

235.10 1 00.00 100.00

237.00 65.60 63.47

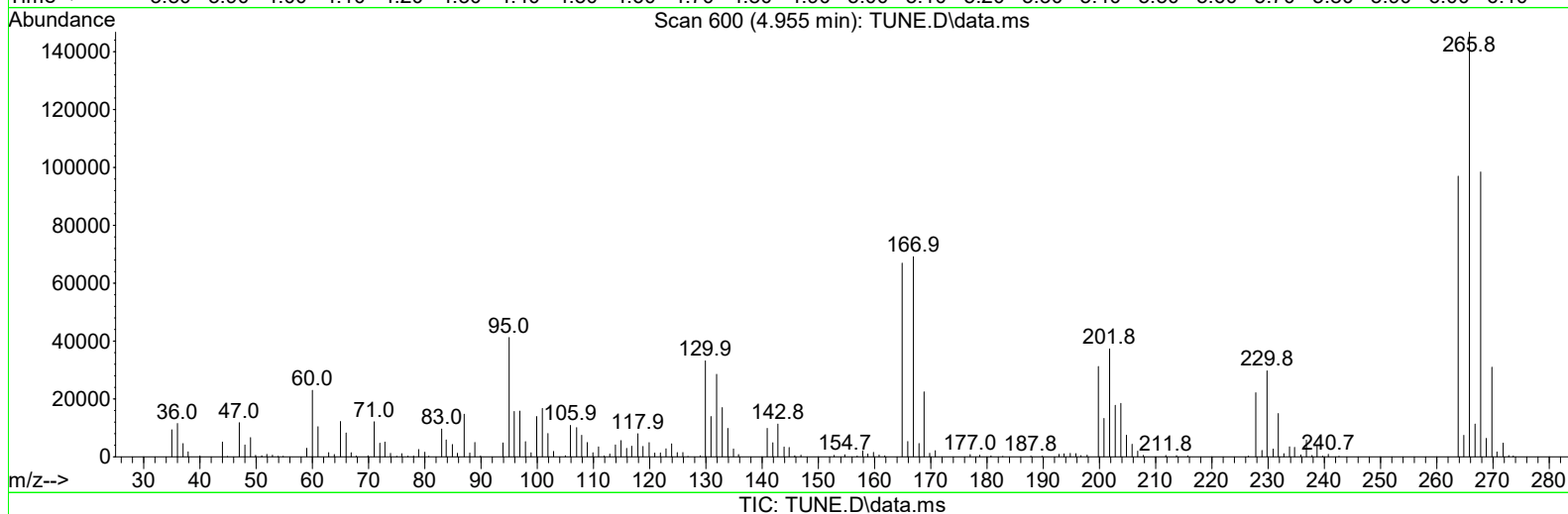
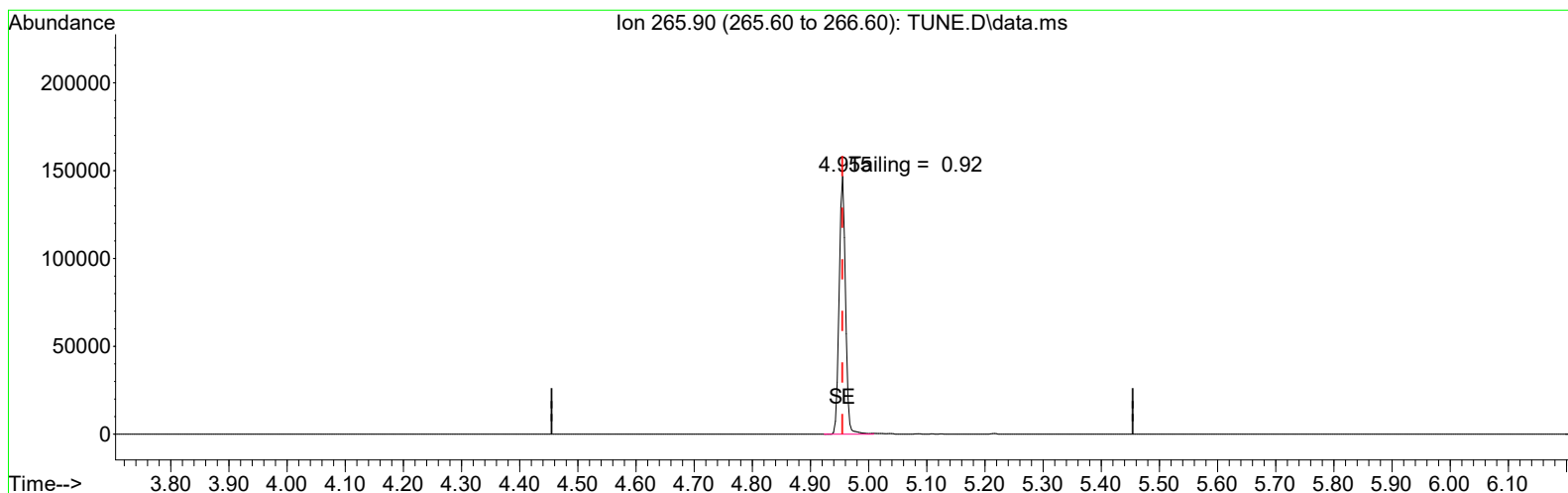
165.10 53.30 52.02

199.10 17.10 15.09

Quantitation Report (Qedit)

Data Path : I:\8270SIM\sv119\250618RVTical\
 Data File : TUNE.D
 Acq On : 18 Jun 2025 06:07 pm
 Operator : sv119:slr
 Sample : TUNE
 Misc : WG2080956,,ical
 ALS Vial : 48 Sample Multiplier: 1

Quant Time: Jun 18 18:29:26 2025
 Quant Method : I:\8270SIM\sv119\250618RVTical\dfppsv119.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Jun 18 18:30:20 2025
 Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D



(1) pentachlorophenol (T)

4.955min (+ 0.000) 52.87

response 111055

Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250618RVTical\
 Data File : L10.D
 Acq On : 18 Jun 2025 06:34 pm
 Operator : sv119:slr
 Sample : IL10,32,,5 Lot# 11697
 Misc : WG2080956,,ical
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 18 21:39:47 2025
 Quant Method : I:\8270SIM\sv119\250618RVTical\SIM-RVT_250618_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Jun 18 21:40:44 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\250618RVTical\L8.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.320	152	272280	4000.000	ng/ml	0.00
Standard Area 1 = 283024			Recovery	=	96.20%	
9) Naphthalene-d8	2.995	136	1067695	4000.000	ng/ml	0.00
Standard Area 1 = 1065169			Recovery	=	100.24%	
18) Acenaphthene-d10	3.981	164	640925	4000.000	ng/ml	0.00
Standard Area 1 = 633894			Recovery	=	101.11%	
23) Phenanthrene-d10	4.826	188	1343391	4000.000	ng/ml	0.00
Standard Area 1 = 1369725			Recovery	=	98.08%	
33) Chrysene-d12	6.457	240	1180302	4000.000	ng/ml	0.06
Standard Area 1 = 1297109			Recovery	=	90.99%	
38) Perylene-d12	7.742	264	1207981	4000.000	ng/ml	0.06
Standard Area 1 = 1258930			Recovery	=	95.95%	
System Monitoring Compounds						
3) 2-Fluorophenol	1.721	112	350263	4580.242	ng/ml	-0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	229.01%#	
4) Phenol-d6	2.123	99	466700	4700.305	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	235.02%#	
8) Nitrobenzene-d5	2.605	82	398299	4862.758	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	486.28%#	
14) 2-Fluorobiphenyl	3.596	172	1047076	4334.543	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	433.45%#	
22) 2,4,6-Tribromophenol	4.427	330	163974	5099.959	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	255.00%#	
32) 4-Terphenyl-d14	5.775	244	1299795	4303.325	ng/ml	0.04
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	430.33%#	
Target Compounds						
						Qvalue
2) N-Nitrosodimethylamine	1.271	74	207985	4617.604	ng/mL#	23
5) Bis(2-chloroethyl)ether	2.180	93	381150	4756.683	ng/ml	99
6) n-nitrosodi-n-propylamine	2.525	70	305372	5069.210	ng/ml	100
7) Hexachloroethane	2.584	117	170922	4729.430	ng/ml	99
10) Naphthalene	3.006	128	1277089	4565.184	ng/ml	99
11) Hexachlorobutadiene	3.078	225	252182	4552.836	ng/ml	100
12) 2-Methylnaphthalene	3.390	142	838623	4520.922	ng/ml	100
13) 1-Methylnaphthalene	3.445	142	865450	4513.014	ng/ml	99
15) 2-Chloronaphthalene	3.664	162	962132	4624.894	ng/ml	99
16) 2,6-Dinitrotoluene	3.857	165	231397	5468.624	ng/ml	99
17) Acenaphthylene	3.900	152	1591795	4603.095	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250618RVTical\
 Data File : L10.D
 Acq On : 18 Jun 2025 06:34 pm
 Operator : sv119:slr
 Sample : IL10,32,,5 Lot# 11697
 Misc : WG2080956,,ical
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 18 21:39:47 2025
 Quant Method : I:\8270SIM\sv119\250618RVTical\SIM-RVT_250618_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Jun 18 21:40:44 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\250618RVTical\L8.D
 Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19)	Acenaphthene	3.999	153	993547	4666.976	ng/ml	97
20)	2,4-Dinitrotoluene	4.087	165	321731	5695.140	ng/ml	97
21)	Fluorene	4.291	166	1151356	4520.715	ng/ml	99
24)	4,6-Dinitro-o-cresol	4.319	198	165890	5145.039	ng/ml	100
25)	Hexachlorobenzene	4.609	284	379982	4569.975	ng/ml	99
26)	Pentachlorophenol	4.718	266	240129	5386.626	ng/ml	100
27)	Phenanthrene	4.841	178	1757049	4401.151	ng/ml	99
28)	Anthracene	4.869	178	1816567	4664.132	ng/ml	99
29)	Fluoranthene	5.541	202	2110885M3	4347.142	ng/ml	
30)	Pyrene	5.679	202	2145769	4282.783	ng/ml	99
31)	Benzydine	5.620	184	1351758	4972.615	ng/mL	99
34)	Benzo[a]anthracene	6.448	228	2033515	4919.716	ng/ml	99
35)	3,3'-Dichlorobenzidine	6.432	252	874619	5674.791	ng/ml	100
36)	Chrysene	6.476	228	1894176	4881.556	ng/ml	99
37)	Bis(2-ethylhexyl)phtha...	6.476	149	1182723	5093.227	ng/ml	100
39)	Benzo[b]fluoranthene	7.351	252	1925265	5288.256	ng/ml	99
40)	Benzo[k]fluoranthene	7.378	252	1902954	4949.430	ng/ml	97
41)	Benzo[a]pyrene	7.679	252	1813292	5472.950	ng/ml	99
42)	Indeno[1,2,3-cd]pyrene	9.034	276	1824397	5107.926	ng/ml	98
43)	Dibenzo[a,h]anthracene	9.075	278	1720735M6	5078.950	ng/ml	
44)	Benzo[g,h,i]perylene	9.398	276	1880685	5037.779	ng/ml	99

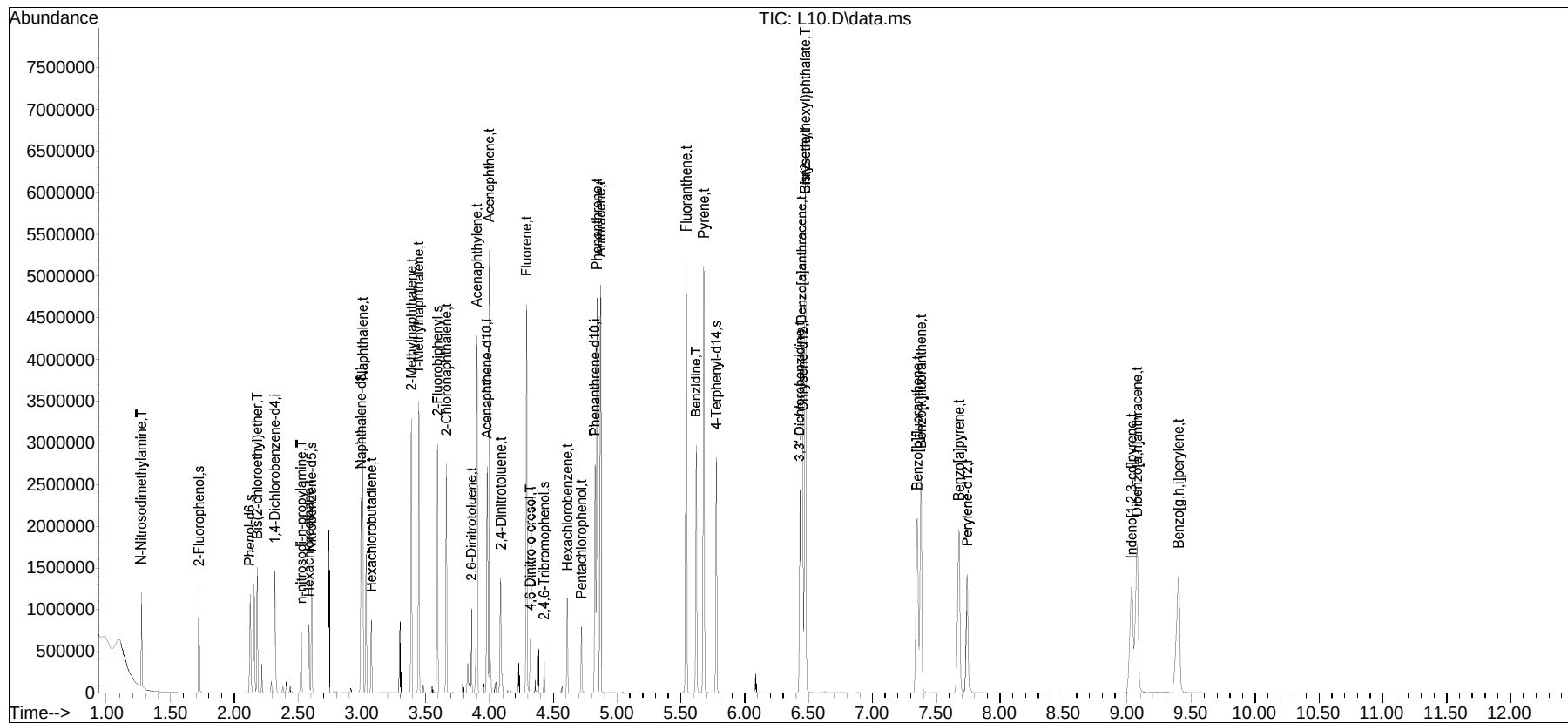
(#) = qualifier out of range (m) = manual integration (+) = signals summed

(QT Reviewed)

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Data Path : I:\8270SIM\sv119\250618RVTical\
Data File : L10.D
Acq On    : 18 Jun 2025 06:34 pm
Operator  : sv119:slr
Sample    : IL10,32,,5 Lot# 11697
Misc      : WG2080956,,ical
ALS Vial  : 1 Sample Multiplier: 1
```

Quant Time: Jun 18 21:39:47 2025
Quant Method : I:\8270SIM\sv119\250618RVTical\SIM-RVT_250618_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 18 21:40:44 2025
Response via : Initial Calibration

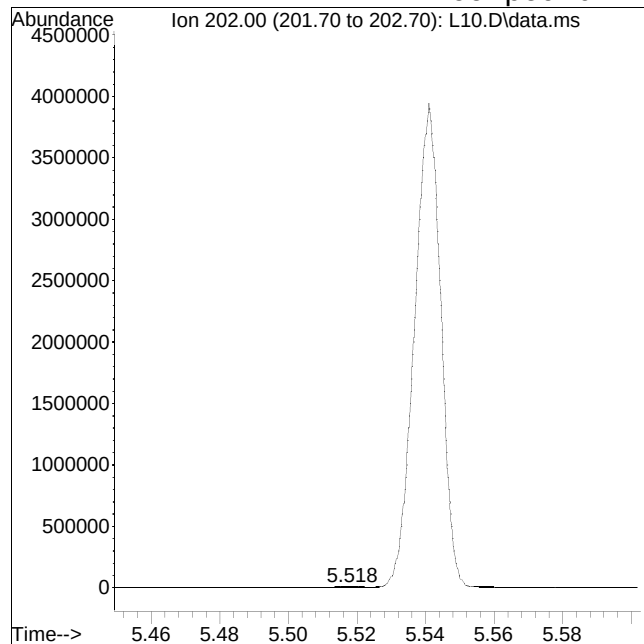
Sub List : Default - All compounds listedical\L8.D•



Manual Integration Report

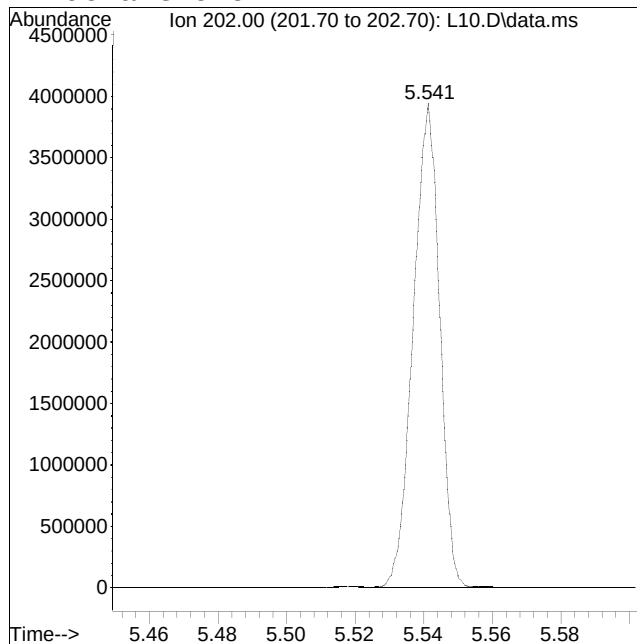
Data Path : I:\8270SIM\sv119\250618RVT01.M
Data File : L10.D
Date Inj'd : 6/18/2025 6:34 pm
Sample : IL10,32,,5 Lot# 11697
Method : SIM-RVT_250618_sv119.M
Operator : sv119:slr
Instrument : SV119
Quant Date : 6/18/2025 9:40 pm

Compound #29: Fluoranthene



Original Peak Response = 5660

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

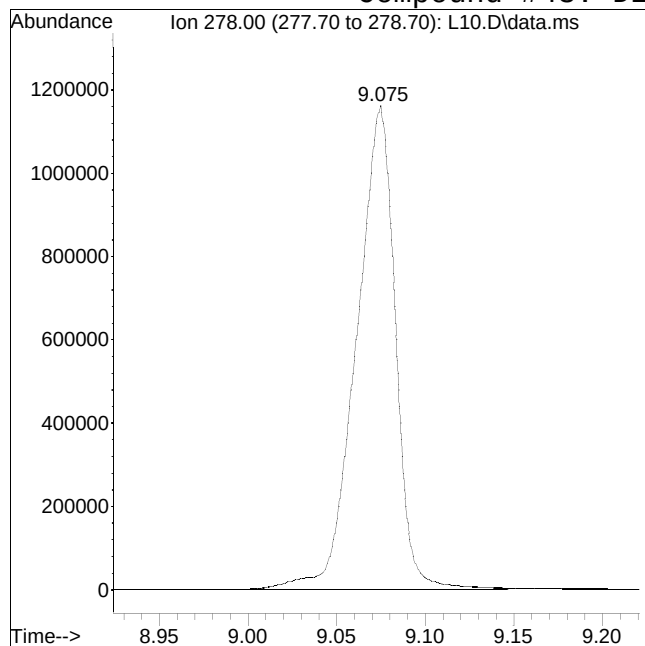


Manual Peak Response = 2110885 M3

Manual Integration Report

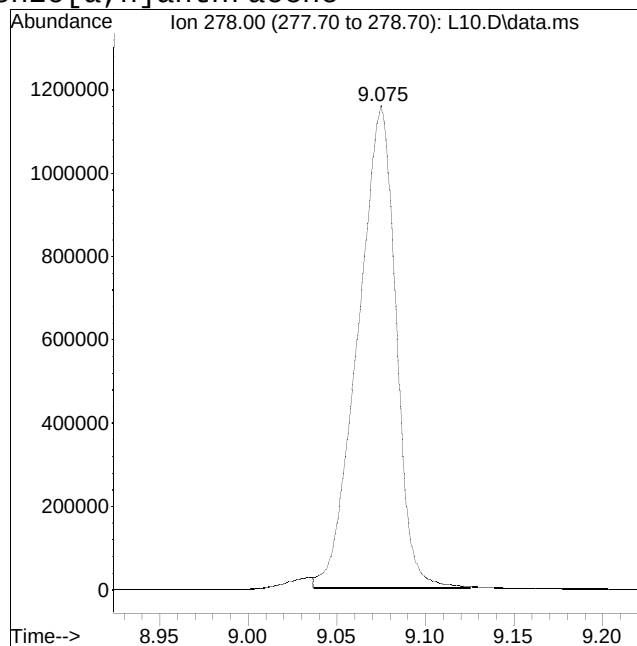
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Data File : L10.D
Date Inj'd : 6/18/2025 6:34 pm
Sample : IL10,32,,5 Lot# 11697
Method : SIM-RVT_250618_sv119.M
Operator : sv119:slr
Instrument : SV119
Quant Date : 6/18/2025 9:40 pm

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 1781260

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Peak Response = 1720735 M6

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250618RVTical\
 Data File : L9.D
 Acq On : 18 Jun 2025 06:50 pm
 Operator : sv119:slr
 Sample : IL9,32,,2.5 Lot# 11699
 Misc : WG2080956,,ical
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 18 21:40:29 2025
 Quant Method : I:\8270SIM\sv119\250618RVTical\SIM-RVT_250618_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Jun 18 21:41:26 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\250618RVTical\L8.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.329	152	295793	4000.000	ng/ml	0.00
Standard Area 1 = 283024			Recovery = 104.51%			
9) Naphthalene-d8	2.999	136	1139071	4000.000	ng/ml	0.00
Standard Area 1 = 1065169			Recovery = 106.94%			
18) Acenaphthene-d10	3.982	164	684818	4000.000	ng/ml	0.00
Standard Area 1 = 633894			Recovery = 108.03%			
23) Phenanthrene-d10	4.823	188	1453813	4000.000	ng/ml	0.00
Standard Area 1 = 1369725			Recovery = 106.14%			
33) Chrysene-d12	6.408	240	1291823	4000.000	ng/ml	0.00
Standard Area 1 = 1297109			Recovery = 99.59%			
38) Perylene-d12	7.686	264	1285299	4000.000	ng/ml	0.00
Standard Area 1 = 1258930			Recovery = 102.09%			
System Monitoring Compounds						
3) 2-Fluorophenol	1.732	112	200687	2415.690	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 120.78%#			
4) Phenol-d6	2.130	99	261669	2425.874	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 121.29%#			
8) Nitrobenzene-d5	2.611	82	224321	2520.991	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 252.10%#			
14) 2-Fluorobiphenyl	3.598	172	600385	2329.654	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 232.97%#			
22) 2,4,6-Tribromophenol	4.427	330	89851	2615.451	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 130.77%#			
32) 4-Terphenyl-d14	5.746	244	763622	2336.155	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 233.62%#			
Target Compounds						
						Qvalue
2) N-Nitrosodimethylamine	1.286	74	119862	2449.594	ng/mL#	31
5) Bis(2-chloroethyl)ether	2.189	93	214282	2461.625	ng/ml	100
6) n-nitrosodi-n-propylamine	2.529	70	169173	2585.056	ng/ml	100
7) Hexachloroethane	2.591	117	96252	2451.593	ng/ml	100
10) Naphthalene	3.009	128	716195	2399.744	ng/ml	100
11) Hexachlorobutadiene	3.081	225	141048	2386.884	ng/ml	100
12) 2-Methylnaphthalene	3.392	142	474181	2396.077	ng/ml	100
13) 1-Methylnaphthalene	3.448	142	490232	2396.198	ng/ml	100
15) 2-Chloronaphthalene	3.665	162	539421	2430.476	ng/ml	99
16) 2,6-Dinitrotoluene	3.857	165	125312	2775.936	ng/ml	99
17) Acenaphthylene	3.900	152	904354	2451.307	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250618RVTical\
 Data File : L9.D
 Acq On : 18 Jun 2025 06:50 pm
 Operator : sv119:slr
 Sample : IL9,32,,2.5 Lot# 11699
 Misc : WG2080956,,ical
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 18 21:40:29 2025
 Quant Method : I:\8270SIM\sv119\250618RVTical\SIM-RVT_250618_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Jun 18 21:41:26 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\250618RVTical\L8.D
 Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19)	Acenaphthene	3.999	153	558381	2454.764	ng/ml	99
20)	2,4-Dinitrotoluene	4.086	165	171605	2842.978	ng/ml	99
21)	Fluorene	4.290	166	663640	2438.721	ng/ml	99
24)	4,6-Dinitro-o-cresol	4.317	198	86728	2495.443	ng/ml	100
25)	Hexachlorobenzene	4.608	284	218243	2425.409	ng/ml	100
26)	Pentachlorophenol	4.715	266	115856	2402.641	ng/ml	100
27)	Phenanthrene	4.837	178	1010918	2339.873	ng/ml	100
28)	Anthracene	4.866	178	1044753	2478.717	ng/ml	99
29)	Fluoranthene	5.521	202	1233145	2346.644	ng/ml	99
30)	Pyrene	5.655	202	1246811	2299.522	ng/ml	99
31)	Benzidine	5.596	184	707498	2540.056	ng/mL	100
34)	Benzo[a]anthracene	6.398	228	1161700	2564.225	ng/ml	100
35)	3,3'-Dichlorobenzidine	6.381	252	488711	2897.165	ng/ml	100
36)	Chrysene	6.425	228	1085375	2555.688	ng/ml	100
37)	Bis(2-ethylhexyl)phtha...	6.422	149	649544	2568.540	ng/ml	100
39)	Benzo[b]fluoranthene	7.291	252	1068332	2757.935	ng/ml	99
40)	Benzo[k]fluoranthene	7.317	252	1099093	2686.688	ng/ml	98
41)	Benzo[a]pyrene	7.619	252	1008450	2860.646	ng/ml	99
42)	Indeno[1,2,3-cd]pyrene	8.976	276	954742	2514.758	ng/ml	99
43)	Dibenzo[a,h]anthracene	9.014	278	901392M6	2503.131	ng/ml	
44)	Benzo[g,h,i]perylene	9.338	276	964266	2442.152	ng/ml	99

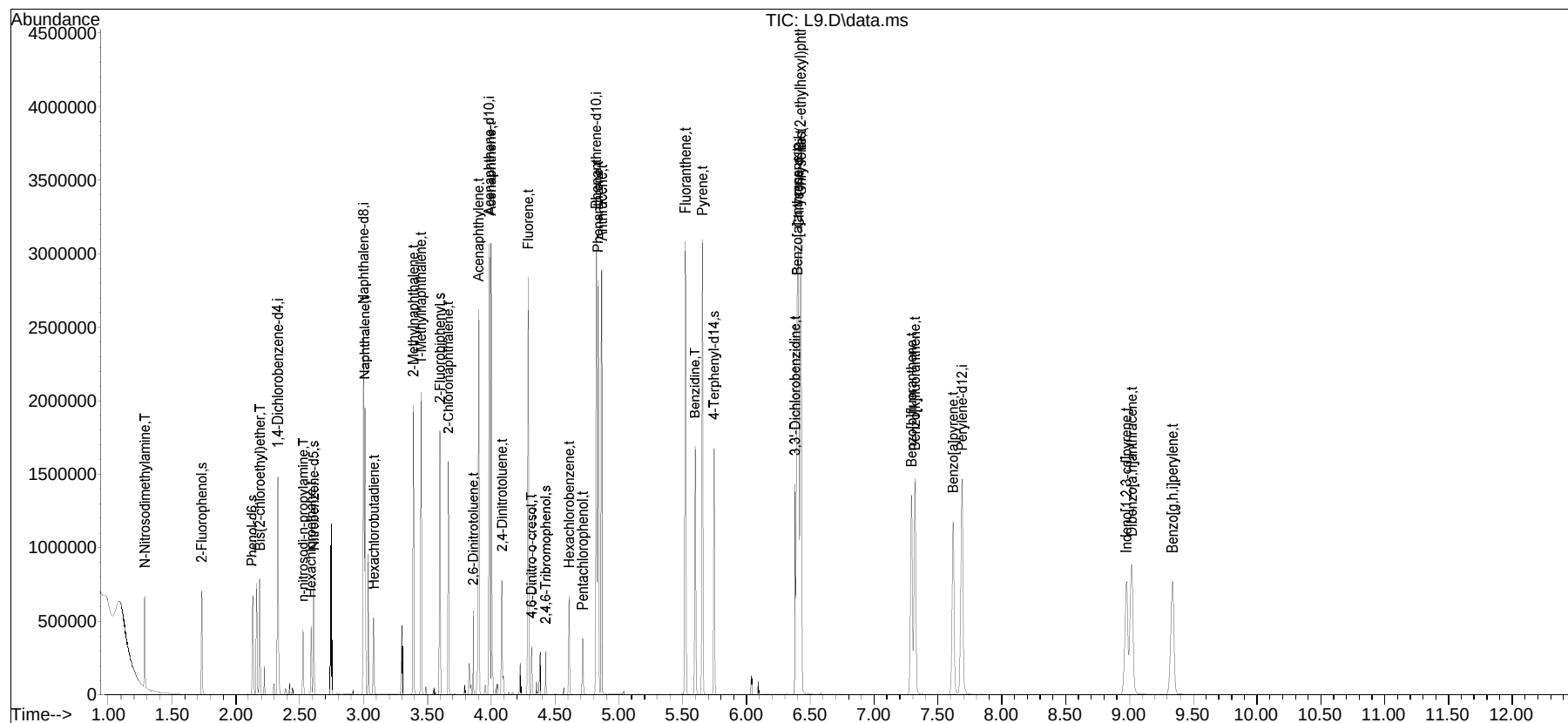
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250618RVTical\
 Data File : L9.D
 Acq On : 18 Jun 2025 06:50 pm
 Operator : sv119:slr
 Sample : IL9,32,,2.5 Lot# 11699
 Misc : WG2080956,,ical
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 18 21:40:29 2025
 Quant Method : I:\8270SIM\sv119\250618RVTical\SIM-RVT_250618_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Jun 18 21:41:26 2025
 Response via : Initial Calibration

Sub List : Default - All compounds listedical\L8.D•

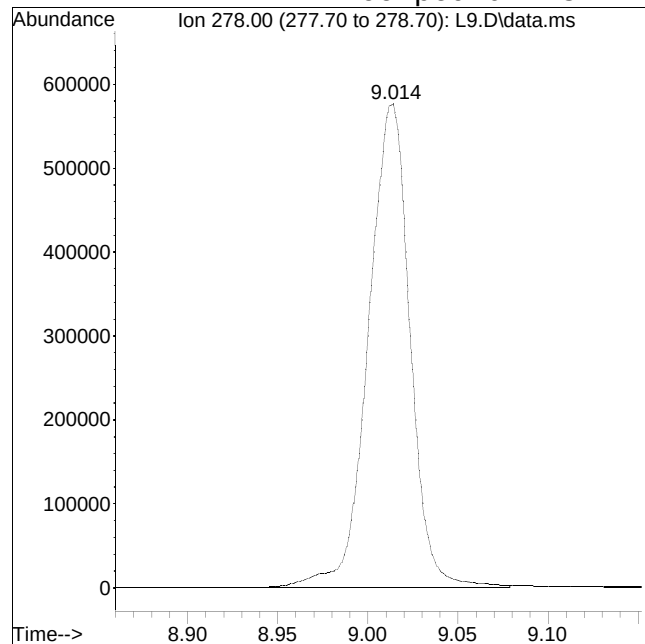


Manual Integration Report

Data Path : I:\8270SIM\sv119\250618RVT\data
Data File : L9.D
Date Inj'd : 6/18/2025 6:50 pm
Sample : IL9,32,,2.5 Lot# 11699

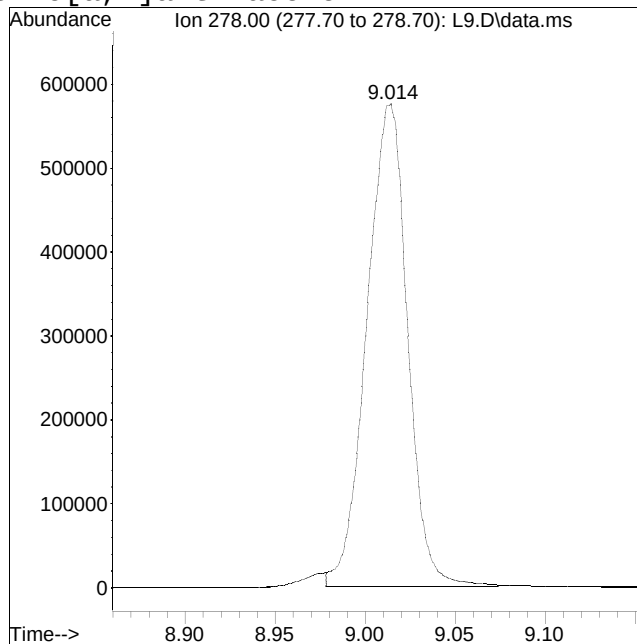
Method : SIM-RVT_250618_sv119.M
Operator : sv119:slr
Instrument : SV119
Quant Date : 6/18/2025 9:41 pm

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 930585

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Peak Response = 901392 M6

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250618RVTical\
 Data File : L8.D
 Acq On : 18 Jun 2025 07:07 pm
 Operator : sv119:slr
 Sample : IL8,32,,1 Lot# 11700
 Misc : WG2080956,,ical
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 18 21:40:23 2025
 Quant Method : I:\8270SIM\sv119\250618RVTical\SIM-RVT_250618_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Jun 18 21:41:21 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\250618RVTical\L8.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.329	152	283024	4000.000	ng/ml	0.00
Standard Area 1 = 283024			Recovery	=	100.00%	
9) Naphthalene-d8	2.999	136	1065169	4000.000	ng/ml	0.00
Standard Area 1 = 1065169			Recovery	=	100.00%	
18) Acenaphthene-d10	3.980	164	633894	4000.000	ng/ml	0.00
Standard Area 1 = 633894			Recovery	=	100.00%	
23) Phenanthrene-d10	4.823	188	1369725	4000.000	ng/ml	0.00
Standard Area 1 = 1369725			Recovery	=	100.00%	
33) Chrysene-d12	6.400	240	1297109	4000.000	ng/ml	0.00
Standard Area 1 = 1297109			Recovery	=	100.00%	
38) Perylene-d12	7.678	264	1258930	4000.000	ng/ml	0.00
Standard Area 1 = 1258930			Recovery	=	100.00%	
System Monitoring Compounds						
3) 2-Fluorophenol	1.734	112	79127	995.431	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	49.77%	
4) Phenol-d6	2.132	99	99043	959.631	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	47.98%	
8) Nitrobenzene-d5	2.611	82	84045	987.138	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	98.71%	
14) 2-Fluorobiphenyl	3.598	172	233510	968.945	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	96.89%	
22) 2,4,6-Tribromophenol	4.425	330	32062	1008.261	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	50.41%	
32) 4-Terphenyl-d14	5.740	244	306086	993.898	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	99.39%	
Target Compounds						
						Qvalue
2) N-Nitrosodimethylamine	1.288	74	45716	976.440	ng/mL	100
5) Bis(2-chloroethyl)ether	2.189	93	82782	993.886	ng/ml	100
6) n-nitrosodi-n-propylamine	2.528	70	61925	988.939	ng/ml	100
7) Hexachloroethane	2.592	117	37076	986.952	ng/ml	100
10) Naphthalene	3.010	128	271481	972.759	ng/ml	100
11) Hexachlorobutadiene	3.081	225	53971	976.691	ng/ml	100
12) 2-Methylnaphthalene	3.392	142	178298	963.464	ng/ml	100
13) 1-Methylnaphthalene	3.448	142	185647	970.379	ng/ml	100
15) 2-Chloronaphthalene	3.664	162	202832	977.310	ng/ml	100
16) 2,6-Dinitrotoluene	3.855	165	41855	991.508	ng/ml	100
17) Acenaphthylene	3.898	152	340660	987.444	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250618RVTical\
 Data File : L8.D
 Acq On : 18 Jun 2025 07:07 pm
 Operator : sv119:slr
 Sample : IL8,32,,1 Lot# 11700
 Misc : WG2080956,,ical
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 18 21:40:23 2025
 Quant Method : I:\8270SIM\sv119\250618RVTical\SIM-RVT_250618_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Jun 18 21:41:21 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\250618RVTical\L8.D
 Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19)	Acenaphthene	3.999	153	207604	985.992	ng/ml	100
20)	2,4-Dinitrotoluene	4.083	165	56992	1020.037	ng/ml	100
21)	Fluorene	4.290	166	249721	991.387	ng/ml	100
24)	4,6-Dinitro-o-cresol	4.314	198	29198	904.001	ng/ml	100
25)	Hexachlorobenzene	4.606	284	83201	981.405	ng/ml	100
26)	Pentachlorophenol	4.715	266	37392	824.386	ng/ml	100
27)	Phenanthrene	4.837	178	385069	945.998	ng/ml	100
28)	Anthracene	4.865	178	396253	997.840	ng/ml	100
29)	Fluoranthene	5.517	202	481109	971.744	ng/ml	100
30)	Pyrene	5.649	202	494384	967.780	ng/ml	100
31)	Benzydine	5.592	184	211683	985.204	ng/mL	100
34)	Benzo[a]anthracene	6.390	228	460866	1008.485	ng/ml	100
35)	3,3'-Dichlorobenzidine	6.373	252	180742	1067.104	ng/ml	100
36)	Chrysene	6.415	228	431398	1011.656	ng/ml	100
37)	Bis(2-ethylhexyl)phtha...	6.414	149	226244	907.849	ng/ml	100
39)	Benzo[b]fluoranthene	7.281	252	413545	1089.942	ng/ml	100
40)	Benzo[k]fluoranthene	7.304	252	435443	1086.718	ng/ml	100
41)	Benzo[a]pyrene	7.609	252	383495	1110.637	ng/ml	100
42)	Indeno[1,2,3-cd]pyrene	8.961	276	353781	954.402	ng/ml	100
43)	Dibenzo[a,h]anthracene	9.000	278	340301	967.963	ng/ml	100
44)	Benzo[g,h,i]perylene	9.321	276	365124	961.339	ng/ml	100

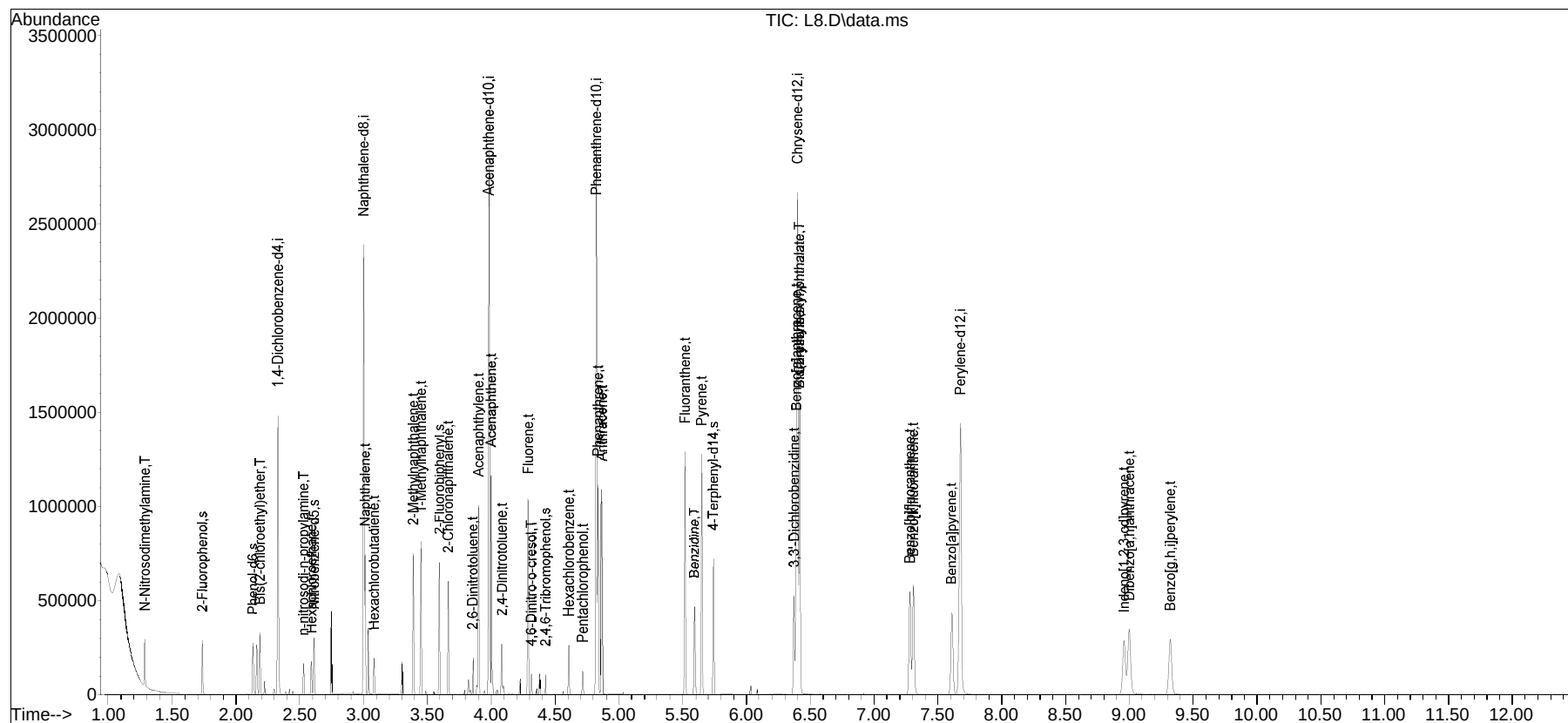
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250618RVTical\
 Data File : L8.D
 Acq On : 18 Jun 2025 07:07 pm
 Operator : sv119:slr
 Sample : IL8,32,,1 Lot# 11700
 Misc : WG2080956,,ical
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 18 21:40:23 2025
 Quant Method : I:\8270SIM\sv119\250618RVTical\SIM-RVT_250618_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Jun 18 21:41:21 2025
 Response via : Initial Calibration

Sub List : Default - All compounds listedical\L8.D•



Manual Integration Report

Data Path	: I:\8270SIM\sv119\250618RVT	Method	: SIM-RVT_250618_sv119.M
Data File	: L8.D	Operator	: sv119:slr
Date Inj'd	: 6/18/2025 7:07 pm	Instrument	: SV119
Sample	: IL8,32,,1 Lot# 11700	Quant Date	: 6/18/2025 9:41 pm

There are no manual integrations or false positives in this file.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250618RVTical\
 Data File : L7.D
 Acq On : 18 Jun 2025 07:23 pm
 Operator : sv119:slr
 Sample : IL7,32,,0.5 Lot# 11701
 Misc : WG2080956,,ical
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 18 21:40:20 2025
 Quant Method : I:\8270SIM\sv119\250618RVTical\SIM-RVT_250618_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Jun 18 21:41:17 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\250618RVTical\L8.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.329	152	289820	4000.000	ng/ml	0.00
Standard Area 1 = 283024			Recovery	=	102.40%	
9) Naphthalene-d8	2.999	136	1102274	4000.000	ng/ml	0.00
Standard Area 1 = 1065169			Recovery	=	103.48%	
18) Acenaphthene-d10	3.981	164	667954	4000.000	ng/ml	0.00
Standard Area 1 = 633894			Recovery	=	105.37%	
23) Phenanthrene-d10	4.823	188	1448685	4000.000	ng/ml	0.00
Standard Area 1 = 1369725			Recovery	=	105.76%	
33) Chrysene-d12	6.401	240	1379709	4000.000	ng/ml	0.00
Standard Area 1 = 1297109			Recovery	=	106.37%	
38) Perylene-d12	7.680	264	1302333	4000.000	ng/ml	0.00
Standard Area 1 = 1258930			Recovery	=	103.45%	
System Monitoring Compounds						
3) 2-Fluorophenol	1.733	112	41656	511.751	ng/ml	0.00
Spiked Amount 2000.000	Range	15 - 110	Recovery	=	25.59%	
4) Phenol-d6	2.130	99	51921	491.268	ng/ml	0.00
Spiked Amount 2000.000	Range	15 - 110	Recovery	=	24.56%	
8) Nitrobenzene-d5	2.609	82	44499	510.400	ng/ml	0.00
Spiked Amount 1000.000	Range	30 - 130	Recovery	=	51.04%	
14) 2-Fluorobiphenyl	3.597	172	129572	519.558	ng/ml	0.00
Spiked Amount 1000.000	Range	30 - 130	Recovery	=	51.96%	
22) 2,4,6-Tribromophenol	4.425	330	17113	510.715	ng/ml	0.00
Spiked Amount 2000.000	Range	15 - 110	Recovery	=	25.54%	
32) 4-Terphenyl-d14	5.740	244	170268	522.746	ng/ml	0.00
Spiked Amount 1000.000	Range	30 - 130	Recovery	=	52.27%	
Target Compounds						
						Qvalue
2) N-Nitrosodimethylamine	1.284	74	24135	503.407	ng/mL#	1
5) Bis(2-chloroethyl)ether	2.189	93	43853	514.156	ng/ml	99
6) n-nitrosodi-n-propylamine	2.528	70	32880	512.779	ng/ml	100
7) Hexachloroethane	2.591	117	19628	510.240	ng/ml	100
10) Naphthalene	3.009	128	144493	500.313	ng/ml	100
11) Hexachlorobutadiene	3.081	225	28693	501.766	ng/ml	99
12) 2-Methylnaphthalene	3.393	142	96628	504.569	ng/ml	100
13) 1-Methylnaphthalene	3.448	142	101398	512.167	ng/ml	100
15) 2-Chloronaphthalene	3.664	162	110637	515.140	ng/ml	100
16) 2,6-Dinitrotoluene	3.855	165	21616	494.827	ng/ml	100
17) Acenaphthylene	3.898	152	185805	520.449	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250618RVTical\
 Data File : L7.D
 Acq On : 18 Jun 2025 07:23 pm
 Operator : sv119:slr
 Sample : IL7,32,,0.5 Lot# 11701
 Misc : WG2080956,,ical
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 18 21:40:20 2025
 Quant Method : I:\8270SIM\sv119\250618RVTical\SIM-RVT_250618_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Jun 18 21:41:17 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\250618RVTical\L8.D
 Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19)	Acenaphthene	3.997	153	112807	508.445	ng/ml	99
20)	2,4-Dinitrotoluene	4.083	165	28932	491.417	ng/ml	99
21)	Fluorene	4.288	166	137465	517.905	ng/ml	100
24)	4,6-Dinitro-o-cresol	4.312	198	15149	453.219	ng/ml	100
25)	Hexachlorobenzene	4.607	284	46005	513.079	ng/ml	100
26)	Pentachlorophenol	4.714	266	18924	395.542	ng/ml	99
27)	Phenanthrene	4.836	178	212075	492.607	ng/ml	99
28)	Anthracene	4.864	178	216576	515.654	ng/ml	100
29)	Fluoranthene	5.517	202	264139	504.429	ng/ml	100
30)	Pyrene	5.649	202	273931	507.006	ng/ml	100
31)	Benzidine	5.592	184	74407	502.125	ng/mL	100
34)	Benzo[a]anthracene	6.393	228	251821	514.325	ng/ml	100
35)	3,3'-Dichlorobenzidine	6.375	252	93721	520.204	ng/ml	99
36)	Chrysene	6.418	228	238658	526.162	ng/ml	100
37)	Bis(2-ethylhexyl)phtha...	6.415	149	109887	428.557	ng/ml	99
39)	Benzo[b]fluoranthene	7.281	252	220672	562.221	ng/ml	98
40)	Benzo[k]fluoranthene	7.306	252	230754	556.691	ng/ml	99
41)	Benzo[a]pyrene	7.612	252	198679	556.216	ng/ml	100
42)	Indeno[1,2,3-cd]pyrene	8.961	276	172555	452.573	ng/ml	99
43)	Dibenzo[a,h]anthracene	9.000	278	173610M6	479.975	ng/ml	
44)	Benzo[g,h,i]perylene	9.321	276	185123	485.496	ng/ml	100

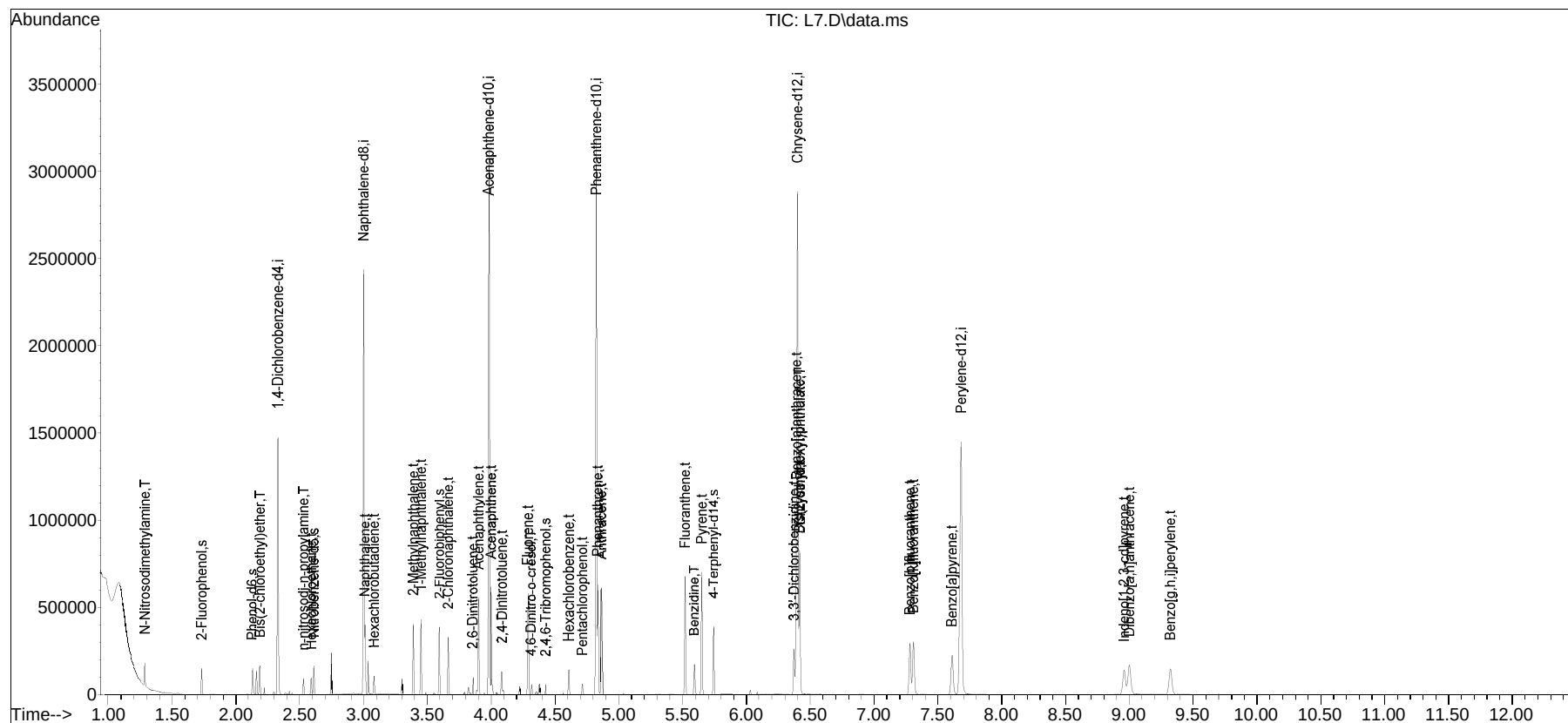
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250618RVTical\
 Data File : L7.D
 Acq On : 18 Jun 2025 07:23 pm
 Operator : sv119:slr
 Sample : IL7,32,,0.5 Lot# 11701
 Misc : WG2080956,,ical
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 18 21:40:20 2025
 Quant Method : I:\8270SIM\sv119\250618RVTical\SIM-RVT_250618_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Jun 18 21:41:17 2025
 Response via : Initial Calibration

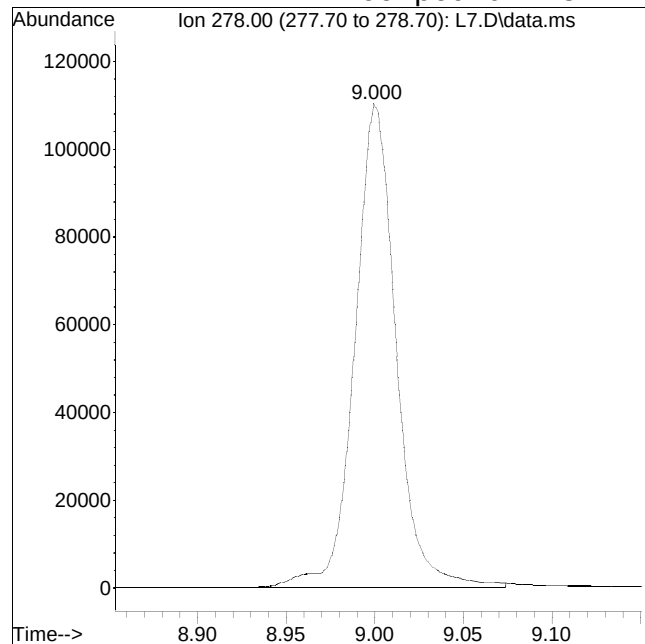
Sub List : Default - All compounds listedical\L8.D•



Manual Integration Report

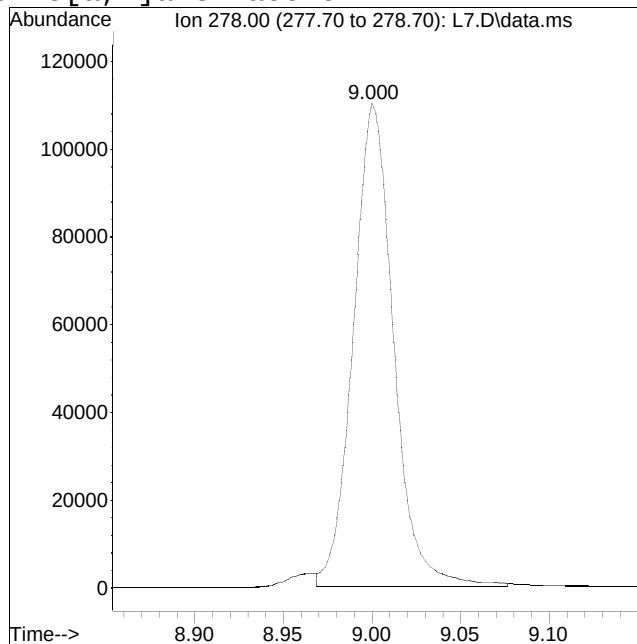
Data Path : I:\8270SIM\sv119\250618RVTQMethod : SIM-RVT_250618_sv119.M
Data File : L7.D Operator : sv119:slr
Date Inj'd : 6/18/2025 7:23 pm Instrument : SV119
Sample : IL7,32,,0.5 Lot# 11701 Quant Date : 6/18/2025 9:41 pm

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 178718

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Peak Response = 173610 M6

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250618RVTical\
 Data File : L6.D
 Acq On : 18 Jun 2025 07:40 pm
 Operator : sv119:slr
 Sample : IL6,32,,0.1 Lot# 11702
 Misc : WG2080956,,ical
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 18 21:40:16 2025
 Quant Method : I:\8270SIM\sv119\250618RVTical\SIM-RVT_250618_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Jun 18 21:41:13 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\250618RVTical\L8.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.330	152	298941	4000.000	ng/ml	0.00
Standard Area 1 = 283024			Recovery	=	105.62%	
9) Naphthalene-d8	2.999	136	1115179	4000.000	ng/ml	0.00
Standard Area 1 = 1065169			Recovery	=	104.70%	
18) Acenaphthene-d10	3.980	164	666254	4000.000	ng/ml	0.00
Standard Area 1 = 633894			Recovery	=	105.10%	
23) Phenanthrene-d10	4.823	188	1428657	4000.000	ng/ml	0.00
Standard Area 1 = 1369725			Recovery	=	104.30%	
33) Chrysene-d12	6.400	240	1410622	4000.000	ng/ml	0.00
Standard Area 1 = 1297109			Recovery	=	108.75%	
38) Perylene-d12	7.678	264	1306056	4000.000	ng/ml	0.00
Standard Area 1 = 1258930			Recovery	=	103.74%	
System Monitoring Compounds						
3) 2-Fluorophenol	1.734	112	8532	101.619	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	5.08%#	
4) Phenol-d6	2.131	99	10508	96.391	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	4.82%#	
8) Nitrobenzene-d5	2.611	82	8853	98.445	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	9.84%#	
14) 2-Fluorobiphenyl	3.597	172	25868	102.525	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	10.25%#	
22) 2,4,6-Tribromophenol	4.424	330	3165	94.696	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	4.73%#	
32) 4-Terphenyl-d14	5.741	244	32959	102.607	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	10.26%#	
Target Compounds						
						Qvalue
2) N-Nitrosodimethylamine	1.288	74	4987M6	100.845	ng/mL	
5) Bis(2-chloroethyl)ether	2.191	93	8820	100.255	ng/ml	99
6) n-nitrosodi-n-propylamine	2.529	70	6430	97.219	ng/ml	100
7) Hexachloroethane	2.592	117	3955	99.675	ng/ml	100
10) Naphthalene	3.010	128	28726	98.314	ng/ml	100
11) Hexachlorobutadiene	3.083	225	5741	99.233	ng/ml	100
12) 2-Methylnaphthalene	3.392	142	19011	98.122	ng/ml	100
13) 1-Methylnaphthalene	3.448	142	19979	99.747	ng/ml	100
15) 2-Chloronaphthalene	3.664	162	22029	101.383	ng/ml	100
16) 2,6-Dinitrotoluene	3.854	165	3923	88.765	ng/ml	99
17) Acenaphthylene	3.898	152	36015	99.712	ng/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250618RVTical\
 Data File : L6.D
 Acq On : 18 Jun 2025 07:40 pm
 Operator : sv119:slr
 Sample : IL6,32,,0.1 Lot# 11702
 Misc : WG2080956,,ical
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 18 21:40:16 2025
 Quant Method : I:\8270SIM\sv119\250618RVTical\SIM-RVT_250618_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Jun 18 21:41:13 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\250618RVTical\L8.D
 Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19)	Acenaphthene	3.997	153	21948	99.177	ng/ml	98
20)	2,4-Dinitrotoluene	4.083	165	5062	86.199	ng/ml	99
21)	Fluorene	4.288	166	26215	99.018	ng/ml	99
24)	4,6-Dinitro-o-cresol	4.312	198	2542	93.006	ng/ml	100
25)	Hexachlorobenzene	4.606	284	8962	101.351	ng/ml	99
26)	Pentachlorophenol	4.715	266	4031	87.033	ng/ml	98
27)	Phenanthrene	4.835	178	40730M6	95.934	ng/ml	
28)	Anthracene	4.863	178	40824	98.562	ng/ml	99
29)	Fluoranthene	5.518	202	50584	97.955	ng/ml	100
30)	Pyrene	5.648	202	52162	97.898	ng/ml	100
31)	Benzidine	5.591	184	843	264.423	ng/mL#	74
34)	Benzo[a]anthracene	6.392	228	50701	95.123	ng/ml	98
35)	3,3'-Dichlorobenzidine	6.374	252	15349	83.329	ng/ml	100
36)	Chrysene	6.416	228	46348	99.943	ng/ml	100
37)	Bis(2-ethylhexyl)phtha...	6.414	149	18036	90.446	ng/ml	99
39)	Benzo[b]fluoranthene	7.279	252	38796	98.561	ng/ml	98
40)	Benzo[k]fluoranthene	7.304	252	42106	101.291	ng/ml	99
41)	Benzo[a]pyrene	7.607	252	34586	96.550	ng/ml	100
42)	Indeno[1,2,3-cd]pyrene	8.960	276	27722	76.604	ng/ml	99
43)	Dibenzo[a,h]anthracene	8.996	278	26511M4	77.453	ng/ml	
44)	Benzo[g,h,i]perylene	9.317	276	31613	105.986	ng/ml	100

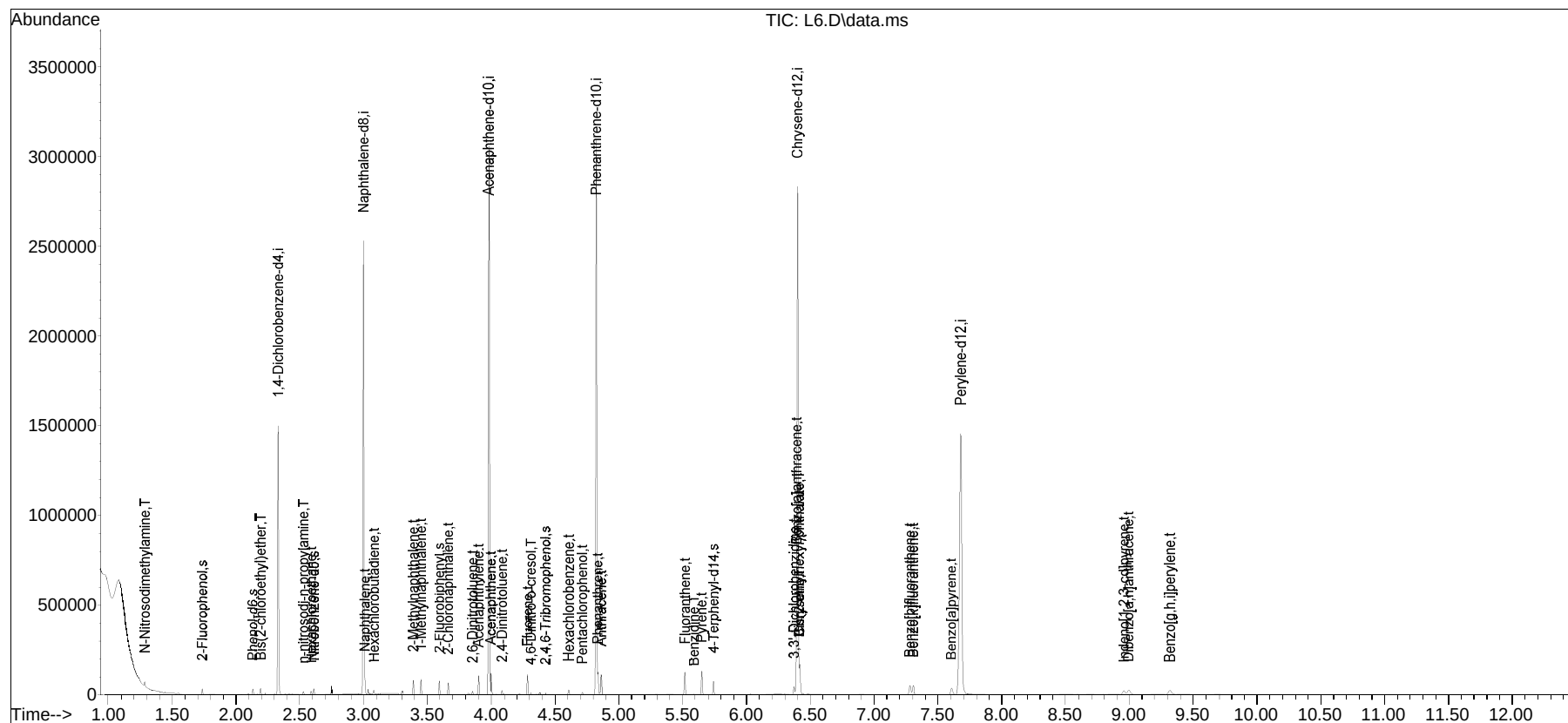
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

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Data Path : I:\8270SIM\sv119\250618RVTical\
Data File : L6.D
Acq On    : 18 Jun 2025 07:40 pm
Operator  : sv119:slr
Sample    : IL6,32,,0.1 Lot# 11702
Misc      : WG2080956,,ical
ALS Vial  : 5 Sample Multiplier: 1
```

Quant Time: Jun 18 21:40:16 2025
Quant Method : I:\8270SIM\sv119\250618RVTical\SIM-RVT_250618_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 18 21:41:13 2025
Response via : Initial Calibration

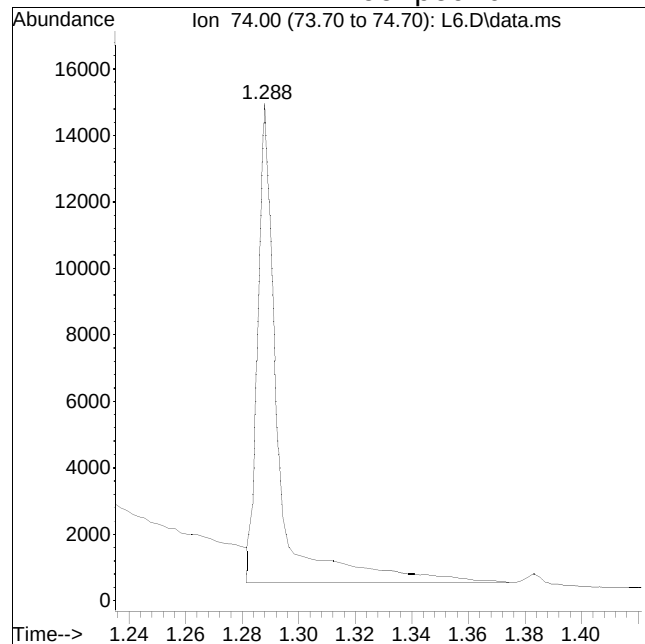
Sub List : Default - All compounds listedical\L8.D•



Manual Integration Report

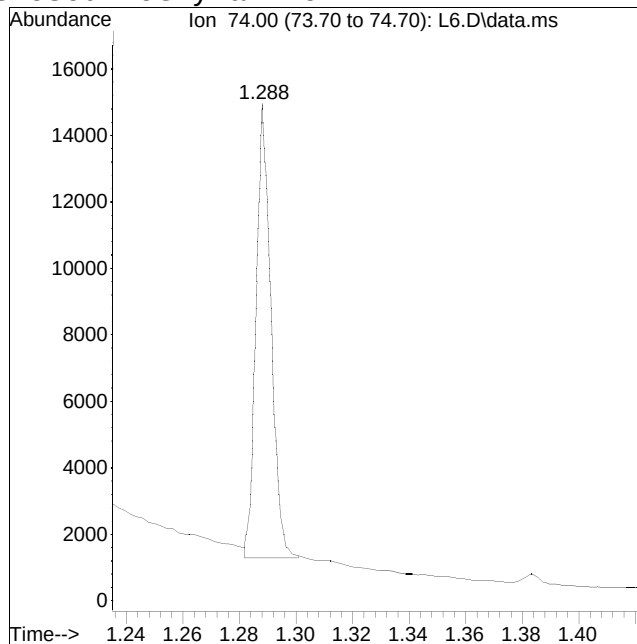
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Data File : L6.D
Date Inj'd : 6/18/2025 7:40 pm
Sample : IL6,32,,0.1 Lot# 11702
Method : SIM-RVT_250618_sv119.M
Operator : sv119:slr
Instrument : SV119
Quant Date : 6/18/2025 9:41 pm

Compound #2: N-Nitrosodimethylamine



Original Peak Response = 7186

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

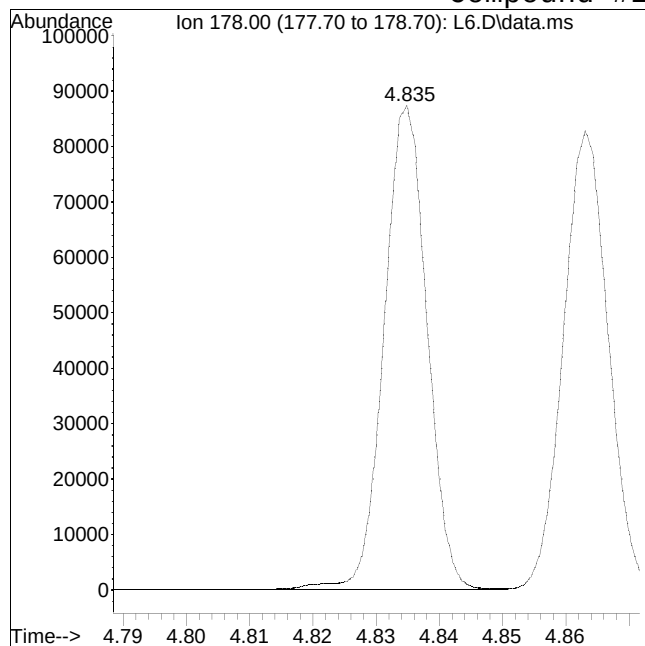


Manual Peak Response = 4987 M6

Manual Integration Report

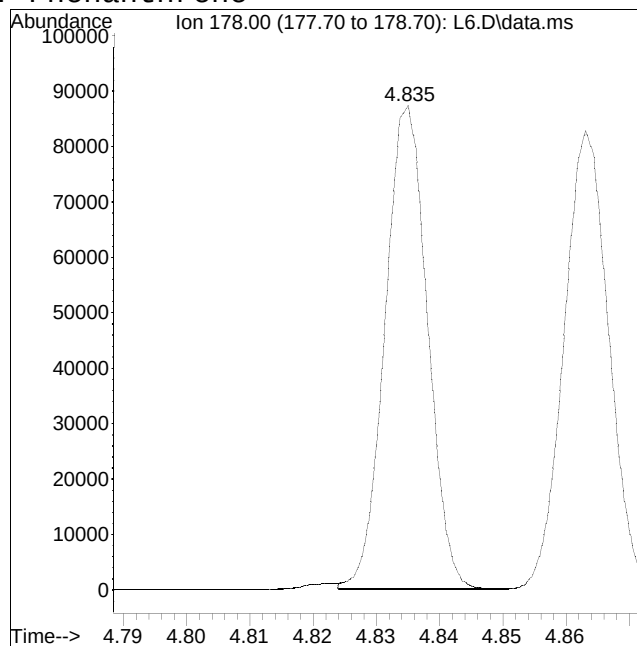
Data Path : I:\8270SIM\sv119\250618RVT01.M
Data File : L6.D
Date Inj'd : 6/18/2025 7:40 pm
Sample : IL6,32,,0.1 Lot# 11702
Method : SIM-RVT_250618_sv119.M
Operator : sv119:slr
Instrument : SV119
Quant Date : 6/18/2025 9:41 pm

Compound #27: Phenanthrene



Original Peak Response = 41359

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

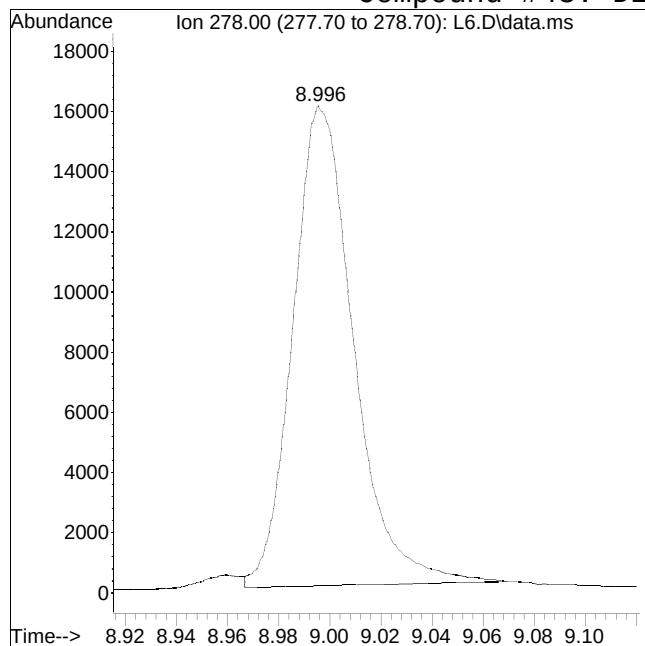


Manual Peak Response = 40730 M6

Manual Integration Report

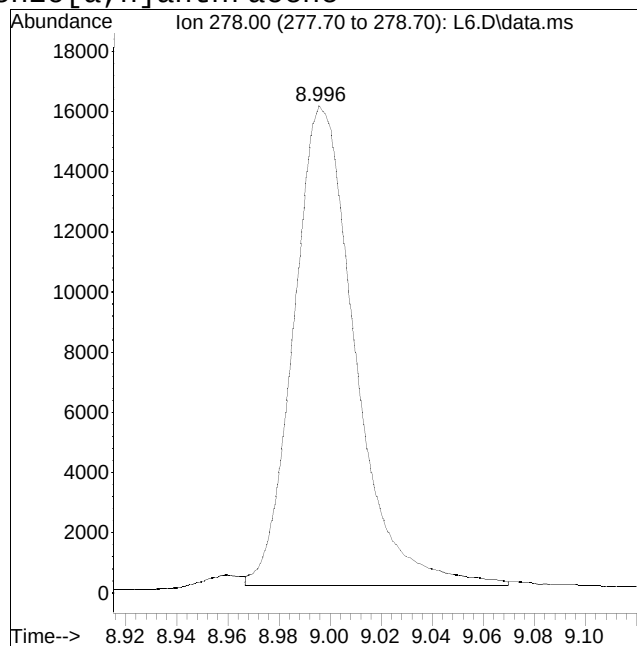
Data Path : I:\8270SIM\sv119\250618RVT\data.ms
Data File : L6.D
Date Inj'd : 6/18/2025 7:40 pm
Sample : IL6,32,,0.1 Lot# 11702
Method : SIM-RVT_250618_sv119.M
Operator : sv119:slr
Instrument : SV119
Quant Date : 6/18/2025 9:41 pm

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 26319

M4 = Poor automated baseline construction.



Manual Peak Response = 26511 M4

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250618RVTical\
 Data File : L5.D
 Acq On : 18 Jun 2025 07:56 pm
 Operator : sv119:slr
 Sample : IL5,32,,0.04 Lot# 11703
 Misc : WG2080956,,ical
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 19 10:20:33 2025
 Quant Method : I:\8270SIM\sv119\250618RVTical\SIM-RVT_250618_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Jun 18 21:41:08 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\250618RVTical\L8.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.330	152	284079	4000.000	ng/ml	0.00
Standard Area 1 = 283024			Recovery	=	100.37%	
9) Naphthalene-d8	2.999	136	1051951	4000.000	ng/ml	0.00
Standard Area 1 = 1065169			Recovery	=	98.76%	
18) Acenaphthene-d10	3.979	164	626430	4000.000	ng/ml	0.00
Standard Area 1 = 633894			Recovery	=	98.82%	
23) Phenanthrene-d10	4.824	188	1343954	4000.000	ng/ml	0.00
Standard Area 1 = 1369725			Recovery	=	98.12%	
33) Chrysene-d12	6.401	240	1354272	4000.000	ng/ml	0.00
Standard Area 1 = 1297109			Recovery	=	104.41%	
38) Perylene-d12	7.678	264	1243475	4000.000	ng/ml	0.00
Standard Area 1 = 1258930			Recovery	=	98.77%	
System Monitoring Compounds						
3) 2-Fluorophenol	1.735	112	3259	40.847	ng/ml	0.00
Spiked Amount 2000.000	Range	15 - 110	Recovery	=	2.04%#	
4) Phenol-d6	2.131	99	3976	38.381	ng/ml	0.00
Spiked Amount 2000.000	Range	15 - 110	Recovery	=	1.92%#	
8) Nitrobenzene-d5	2.611	82	3382	39.575	ng/ml	0.00
Spiked Amount 1000.000	Range	30 - 130	Recovery	=	3.96%#	
14) 2-Fluorobiphenyl	3.597	172	9812	41.226	ng/ml	0.00
Spiked Amount 1000.000	Range	30 - 130	Recovery	=	4.12%#	
22) 2,4,6-Tribromophenol	4.425	330	1191	37.900	ng/ml	0.00
Spiked Amount 2000.000	Range	15 - 110	Recovery	=	1.89%#	
32) 4-Terphenyl-d14	5.741	244	12649	41.860	ng/ml	0.00
Spiked Amount 1000.000	Range	30 - 130	Recovery	=	4.19%#	
Target Compounds						
						Qvalue
2) N-Nitrosodimethylamine	1.290	74	2077M6	44.198	ng/mL	
5) Bis(2-chloroethyl)ether	2.191	93	3321	39.724	ng/ml	100
6) n-nitrosodi-n-propylamine	2.529	70	2455	39.061	ng/ml	99
7) Hexachloroethane	2.592	117	1519	40.285	ng/ml	99
10) Naphthalene	3.011	128	10987	39.863	ng/ml	98
11) Hexachlorobutadiene	3.083	225	2186	40.056	ng/ml	100
12) 2-Methylnaphthalene	3.393	142	7260	39.724	ng/ml	100
13) 1-Methylnaphthalene	3.448	142	7568	40.055	ng/ml	100
15) 2-Chloronaphthalene	3.664	162	8394	40.953	ng/ml	99
16) 2,6-Dinitrotoluene	3.854	165	1546	37.084	ng/ml	95
17) Acenaphthylene	3.897	152	13689	40.178	ng/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250618RVTical\
 Data File : L5.D
 Acq On : 18 Jun 2025 07:56 pm
 Operator : sv119:slr
 Sample : IL5,32,,0.04 Lot# 11703
 Misc : WG2080956,,ical
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 19 10:20:33 2025
 Quant Method : I:\8270SIM\sv119\250618RVTical\SIM-RVT_250618_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Jun 18 21:41:08 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\250618RVTical\L8.D
 Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19)	Acenaphthene	3.996	153	8284	39.813	ng/ml	97
20)	2,4-Dinitrotoluene	4.082	165	1897	34.357	ng/ml	99
21)	Fluorene	4.288	166	9983	40.105	ng/ml	100
24)	4,6-Dinitro-o-cresol	4.315	198	976	49.293	ng/ml	95
25)	Hexachlorobenzene	4.607	284	3375	40.574	ng/ml	100
26)	Pentachlorophenol	4.716	266	1635	38.685	ng/ml	98
27)	Phenanthrene	4.836	178	15547	38.927	ng/ml	99
28)	Anthracene	4.864	178	15557	39.927	ng/ml	100
29)	Fluoranthene	5.518	202	19163	39.448	ng/ml	99
30)	Pyrene	5.650	202	19950	39.802	ng/ml	100
31)	Benzidine	5.593	184	455	263.245	ng/mL#	48
34)	Benzo[a]anthracene	6.394	228	21588	37.919	ng/ml	96
35)	3,3'-Dichlorobenzidine	6.374	252	5414	30.615	ng/ml	99
36)	Chrysene	6.416	228	17678	39.706	ng/ml	99
37)	Bis(2-ethylhexyl)phtha...	6.414	149	6651M6	50.623	ng/ml	
39)	Benzo[b]fluoranthene	7.279	252	13908	37.112	ng/ml	98
40)	Benzo[k]fluoranthene	7.307	252	15383M1	38.868	ng/ml	
41)	Benzo[a]pyrene	7.610	252	12514	36.692	ng/ml	100
42)	Indeno[1,2,3-cd]pyrene	8.960	276	9395	30.414	ng/ml	98
43)	Dibenzo[a,h]anthracene	8.998	278	8558M1	29.666	ng/ml	
44)	Benzo[g,h,i]perylene	9.319	276	11013	56.599	ng/ml	99

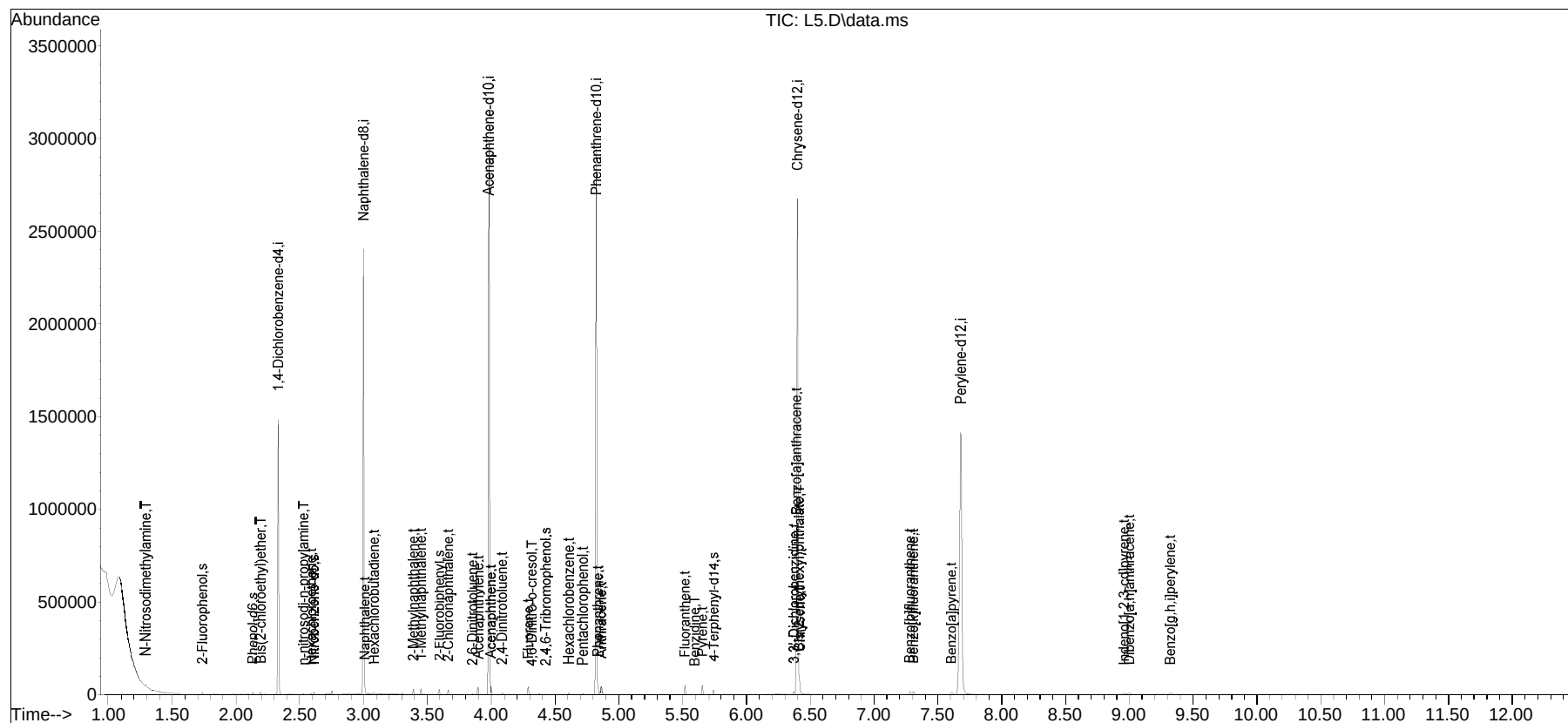
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250618RVTical\
 Data File : L5.D
 Acq On : 18 Jun 2025 07:56 pm
 Operator : sv119:slr
 Sample : IL5,32,,0.04 Lot# 11703
 Misc : WG2080956,,ical
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 19 10:20:33 2025
 Quant Method : I:\8270SIM\sv119\250618RVTical\SIM-RVT_250618_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Jun 18 21:41:08 2025
 Response via : Initial Calibration

Sub List : Default - All compounds listedical\L8.D•

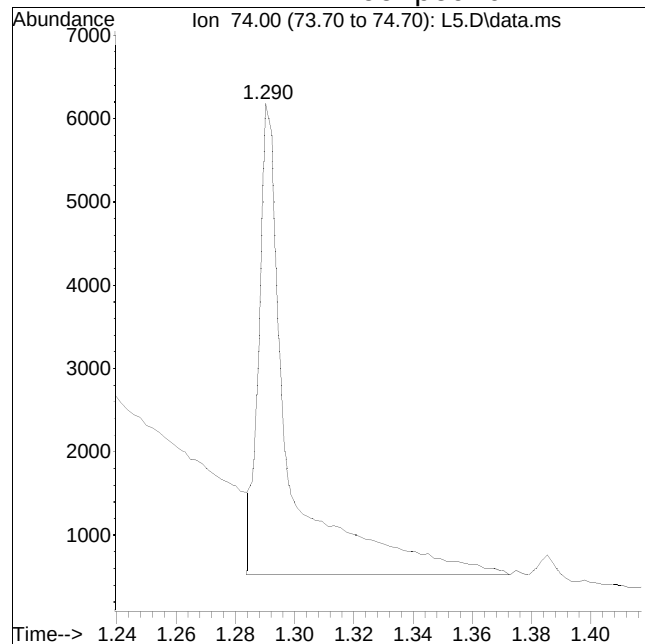


Manual Integration Report

Data Path : I:\8270SIM\sv119\250618RVT\data
Data File : L5.D
Date Inj'd : 6/18/2025 7:56 pm
Sample : IL5,32,,0.04 Lot# 11703

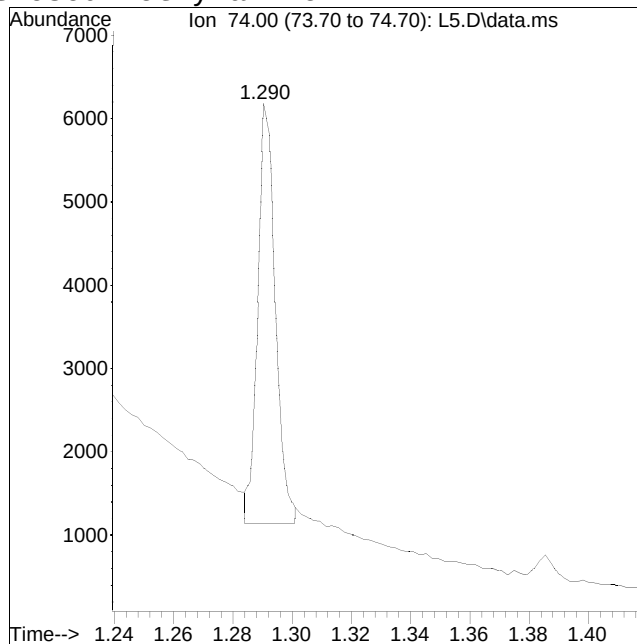
Method : SIM-RVT_250618_sv119.M
Operator : sv119:slr
Instrument : SV119
Quant Date : 6/18/2025 9:41 pm

Compound #2: N-Nitrosodimethylamine



Original Peak Response = 4087

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

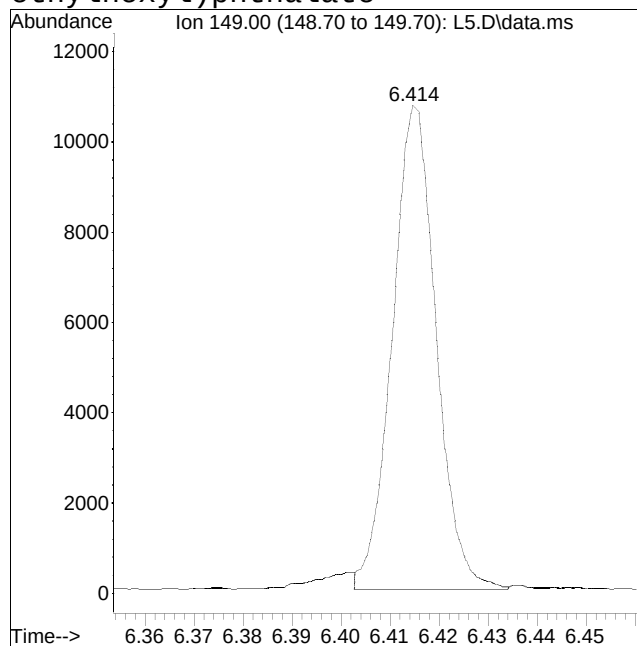
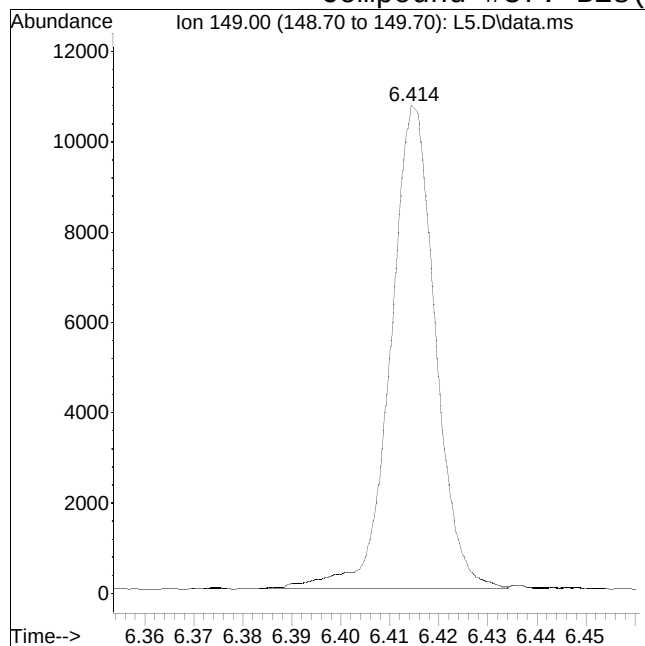


Manual Peak Response = 2077 M6

Manual Integration Report

Data Path : I:\8270SIM\sv119\250618RVT01.M
 Data File : L5.D
 Date Inj'd : 6/18/2025 7:56 pm
 Sample : IL5,32,,0.04 Lot# 11703
 Method : SIM-RVT_250618_sv119.M
 Operator : sv119:slr
 Instrument : SV119
 Quant Date : 6/18/2025 9:41 pm

Compound #37: Bis(2-ethylhexyl)phthalate



Original Peak Response = 6854

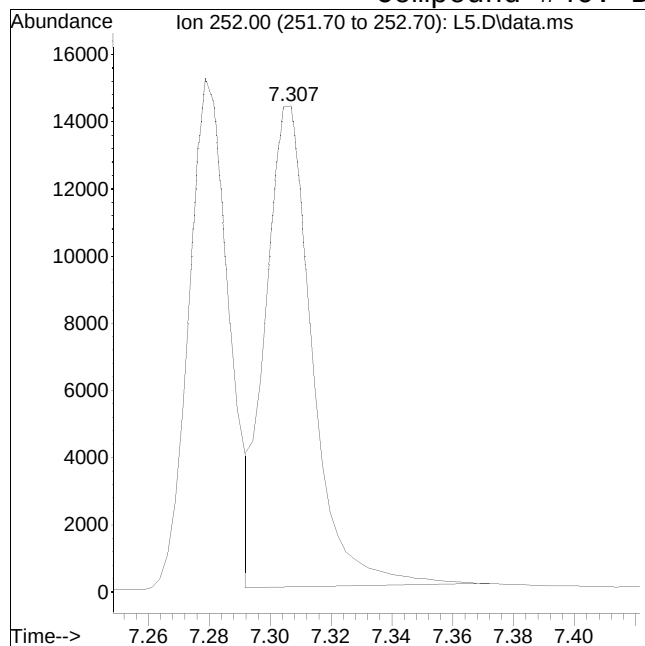
Manual Peak Response = 6651 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

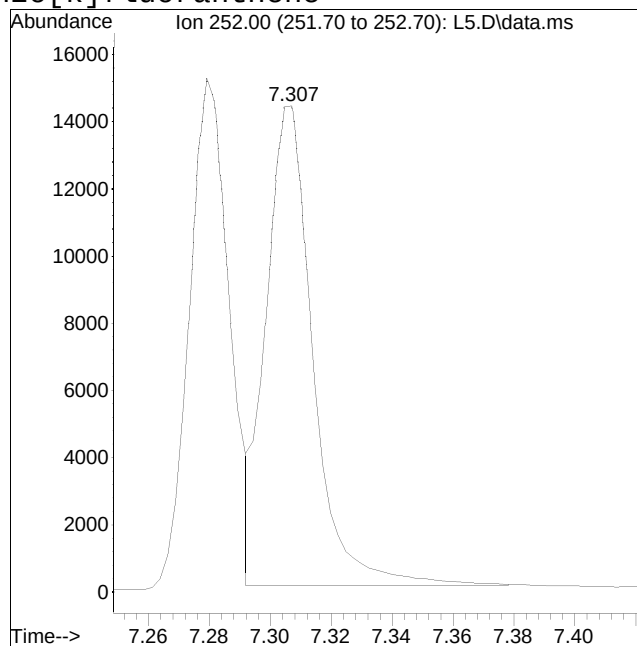
Data Path : I:\8270SIM\sv119\250618RVT01\data.ms
Data File : L5.D
Date Inj'd : 6/18/2025 7:56 pm
Sample : IL5,32,,0.04 Lot# 11703
Method : SIM-RVT_250618_sv119.M
Operator : sv119:slr
Instrument : SV119
Quant Date : 6/18/2025 9:41 pm

Compound #40: Benzo[k]fluoranthene



Original Peak Response = 15376

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

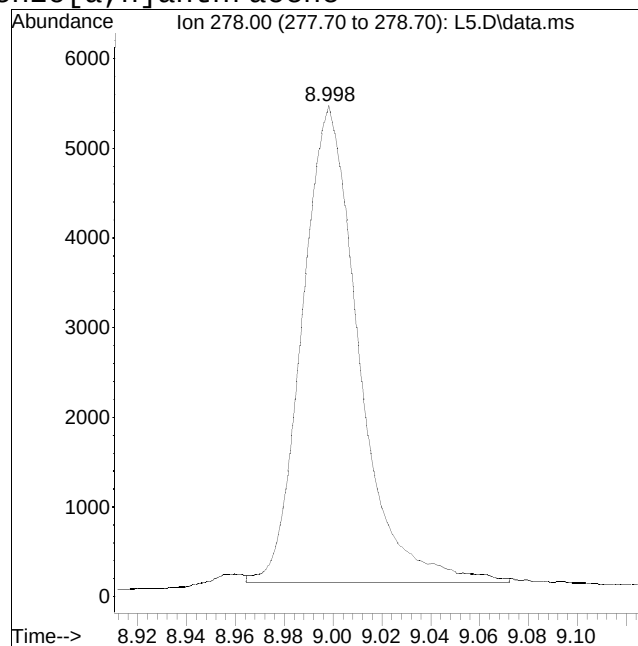
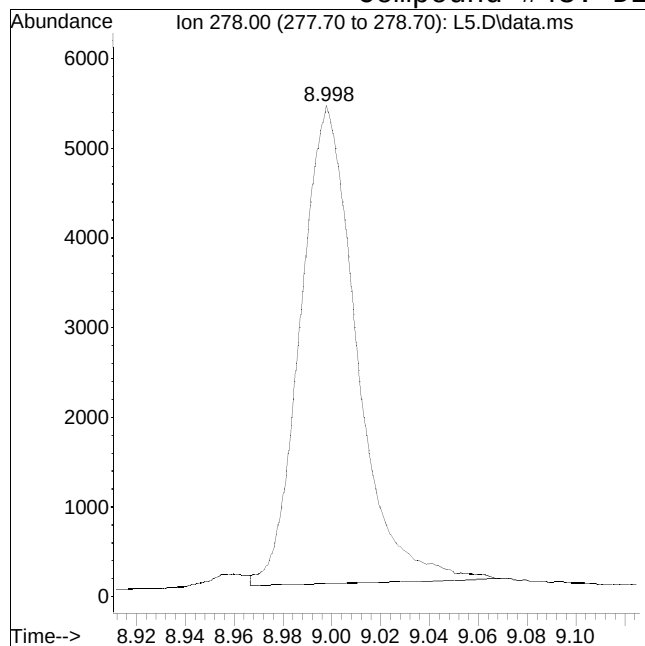


Manual Peak Response = 15383 M1

Manual Integration Report

Data Path : I:\8270SIM\sv119\250618RVT01\data.ms
Data File : L5.D
Date Inj'd : 6/18/2025 7:56 pm
Sample : IL5,32,,0.04 Lot# 11703
Method : SIM-RVT_250618_sv119.M
Operator : sv119:slr
Instrument : SV119
Quant Date : 6/18/2025 9:41 pm

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 8525

Manual Peak Response = 8558 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250618RVTical\
 Data File : L4.D
 Acq On : 18 Jun 2025 08:13 pm
 Operator : sv119:slr
 Sample : IL4,32,,0.01 Lot# 11704
 Misc : WG2080956,,ical
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 18 21:40:07 2025
 Quant Method : I:\8270SIM\sv119\250618RVTical\SIM-RVT_250618_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Jun 18 21:41:03 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\250618RVTical\L8.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.330	152	278035	4000.000	ng/ml	0.00
Standard Area 1 = 283024			Recovery = 98.24%			
9) Naphthalene-d8	2.999	136	1023177	4000.000	ng/ml	0.00
Standard Area 1 = 1065169			Recovery = 96.06%			
18) Acenaphthene-d10	3.981	164	608338	4000.000	ng/ml	0.00
Standard Area 1 = 633894			Recovery = 95.97%			
23) Phenanthrene-d10	4.823	188	1311266	4000.000	ng/ml	0.00
Standard Area 1 = 1369725			Recovery = 95.73%			
33) Chrysene-d12	6.399	240	1354251	4000.000	ng/ml	0.00
Standard Area 1 = 1297109			Recovery = 104.41%			
38) Perylene-d12	7.675	264	1250121	4000.000	ng/ml	0.00
Standard Area 1 = 1258930			Recovery = 99.30%			
System Monitoring Compounds						
3) 2-Fluorophenol	1.735	112	785M2	10.053	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.50%#			
4) Phenol-d6	2.131	99	1074	10.593	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.53%#			
8) Nitrobenzene-d5	2.612	82	833	9.959	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 1.00%#			
14) 2-Fluorobiphenyl	3.598	172	2420	10.454	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 1.05%#			
22) 2,4,6-Tribromophenol	4.426	330	308	10.093	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.50%#			
32) 4-Terphenyl-d14	5.741	244	3126	10.603	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 1.06%#			
Target Compounds						
						Qvalue
2) N-Nitrosodimethylamine	1.292	74	2683	58.334	ng/mL#	1
5) Bis(2-chloroethyl)ether	2.191	93	856	10.462	ng/ml	97
6) n-nitrosodi-n-propylamine	2.529	70	602	9.786	ng/ml#	89
7) Hexachloroethane	2.592	117	399	10.812	ng/ml	93
10) Naphthalene	3.011	128	2740	10.221	ng/ml	98
11) Hexachlorobutadiene	3.083	225	525	9.891	ng/ml	98
12) 2-Methylnaphthalene	3.393	142	1766	9.935	ng/ml	99
13) 1-Methylnaphthalene	3.448	142	1874	10.197	ng/ml	100
15) 2-Chloronaphthalene	3.664	162	2037	10.218	ng/ml	99
16) 2,6-Dinitrotoluene	3.854	165	398	9.815	ng/ml	95

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250618RVTical\
 Data File : L4.D
 Acq On : 18 Jun 2025 08:13 pm
 Operator : sv119:slr
 Sample : IL4,32,,0.01 Lot# 11704
 Misc : WG2080956,,ical
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 18 21:40:07 2025
 Quant Method : I:\8270SIM\sv119\250618RVTical\SIM-RVT_250618_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Jun 18 21:41:03 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\250618RVTical\L8.D
 Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
17)	Acenaphthylene	3.898	152	3286	9.916	ng/ml	98
19)	Acenaphthene	3.998	153	2021	10.002	ng/ml	96
20)	2,4-Dinitrotoluene	4.083	165	490	9.138	ng/ml	96
21)	Fluorene	4.289	166	2438	10.085	ng/ml	99
24)	4,6-Dinitro-o-cresol	4.316	198	195	25.321	ng/ml	92
25)	Hexachlorobenzene	4.608	284	823	10.141	ng/ml	97
26)	Pentachlorophenol	4.717	266	568	15.087	ng/ml	99
27)	Phenanthrene	4.836	178	3882	9.962	ng/ml	97
28)	Anthracene	4.864	178	3837	10.093	ng/ml	99
29)	Fluoranthene	5.517	202	4779	10.083	ng/ml	97
30)	Pyrene	5.648	202	4916	10.052	ng/ml	100
31)	Benzidine	5.591	184	370	262.981	ng/mL#	58
34)	Benzo[a]anthracene	6.393	228	8308	9.874	ng/ml#	88
35)	3,3'-Dichlorobenzidine	6.371	252	1286	7.272	ng/ml#	98
36)	Chrysene	6.413	228	4503	10.114	ng/ml	96
37)	Bis(2-ethylhexyl)phtha...	6.412	149	1826M1	32.605	ng/ml	
39)	Benzo[b]fluoranthene	7.276	252	3331	8.841	ng/ml	98
40)	Benzo[k]fluoranthene	7.302	252	3656M4	9.188	ng/ml	
41)	Benzo[a]pyrene	7.604	252	2947	8.595	ng/ml	100
42)	Indeno[1,2,3-cd]pyrene	8.954	276	2181	10.780	ng/ml	100
43)	Dibenzo[a,h]anthracene	8.993	278	1820M6	10.337	ng/ml	
44)	Benzo[g,h,i]perylene	9.314	276	2525	34.599	ng/ml	99

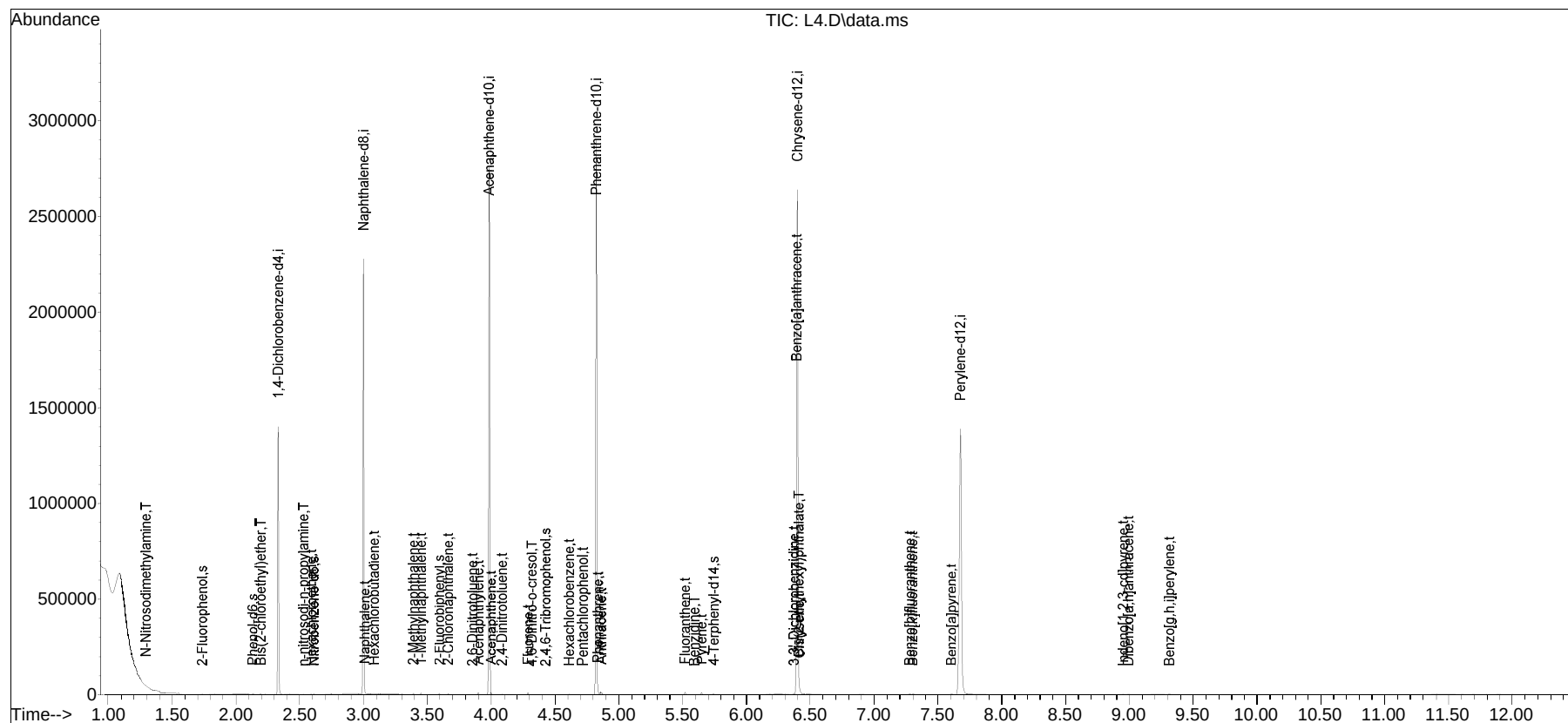
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250618RVTical\
 Data File : L4.D
 Acq On : 18 Jun 2025 08:13 pm
 Operator : sv119:slr
 Sample : IL4,32,,0.01 Lot# 11704
 Misc : WG2080956,,ical
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 18 21:40:07 2025
 Quant Method : I:\8270SIM\sv119\250618RVTical\SIM-RVT_250618_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Jun 18 21:41:03 2025
 Response via : Initial Calibration

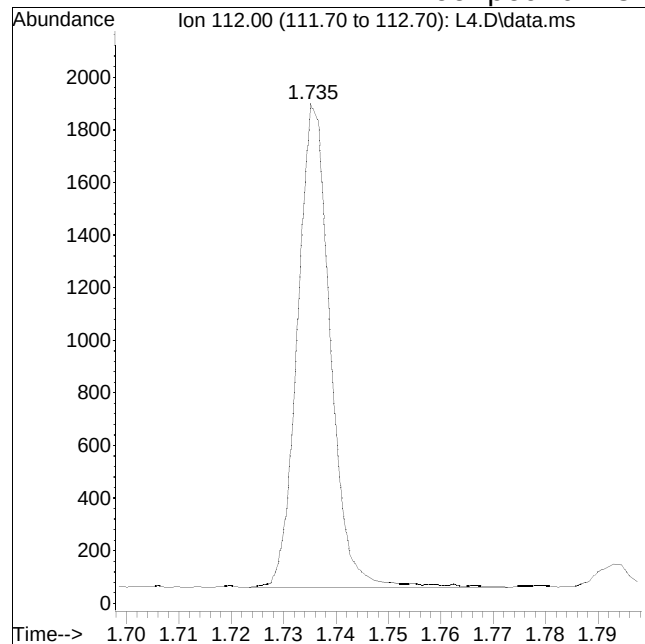
Sub List : Default - All compounds listedical\L8.D•



Manual Integration Report

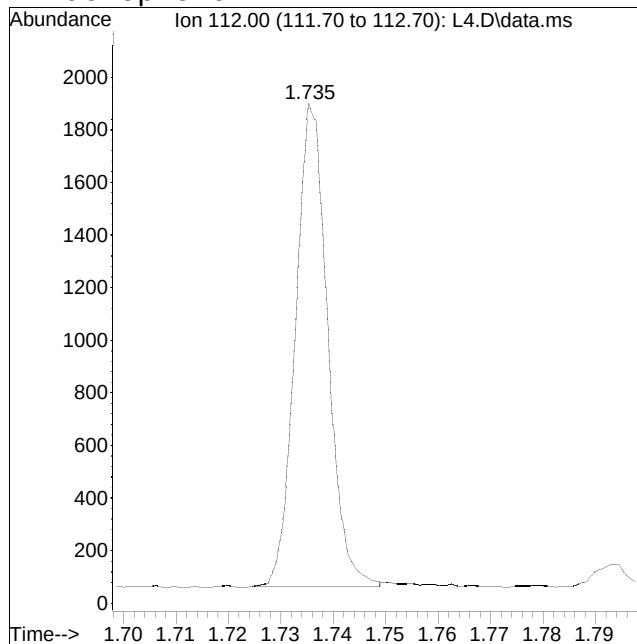
Data Path : I:\8270SIM\sv119\250618RVT\data
Data File : L4.D
Date Inj'd : 6/18/2025 8:13 pm
Sample : IL4,32,,0.01 Lot# 11704
Method : SIM-RVT_250618_sv119.M
Operator : sv119:slr
Instrument : SV119
Quant Date : 6/18/2025 9:41 pm

Compound #3: 2-Fluorophenol



Original Peak Response = 803

M2 = Peak not found by automatic integration algorithm.

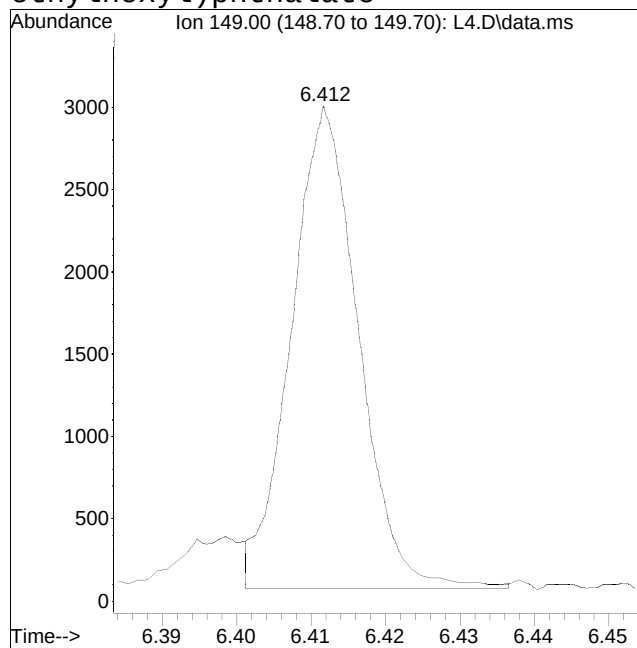
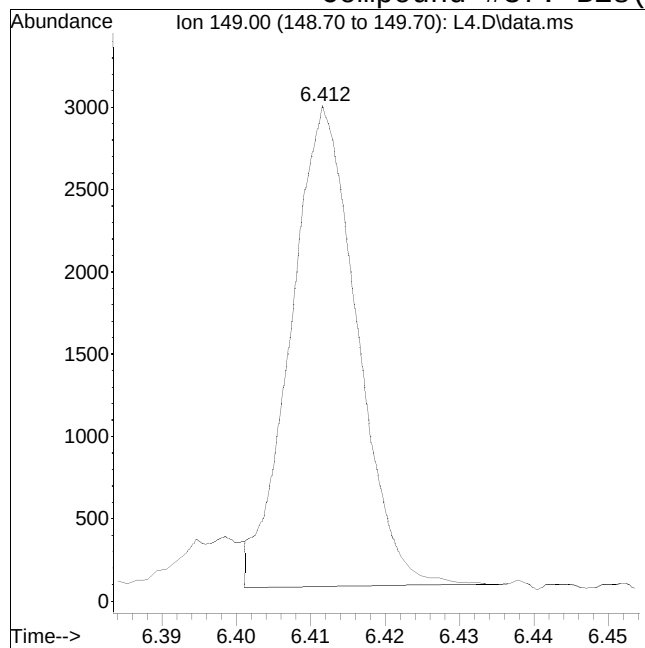


Manual Peak Response = 785 M2

Manual Integration Report

Data Path : I:\8270SIM\sv119\250618RVT01.M
Data File : L4.D
Date Inj'd : 6/18/2025 8:13 pm
Sample : IL4,32,,0.01 Lot# 11704
Method : SIM-RVT_250618_sv119.M
Operator : sv119:slr
Instrument : SV119
Quant Date : 6/18/2025 9:41 pm

Compound #37: Bis(2-ethylhexyl)phthalate



Original Peak Response = 1796

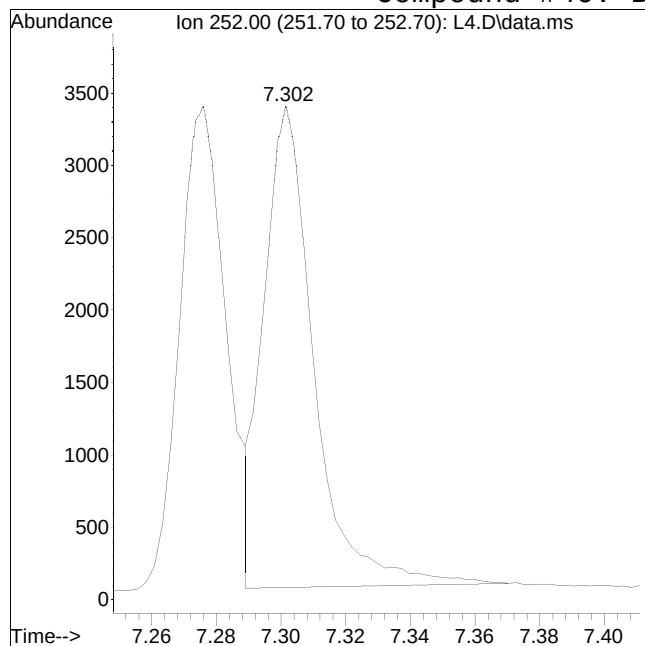
Manual Peak Response = 1826 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

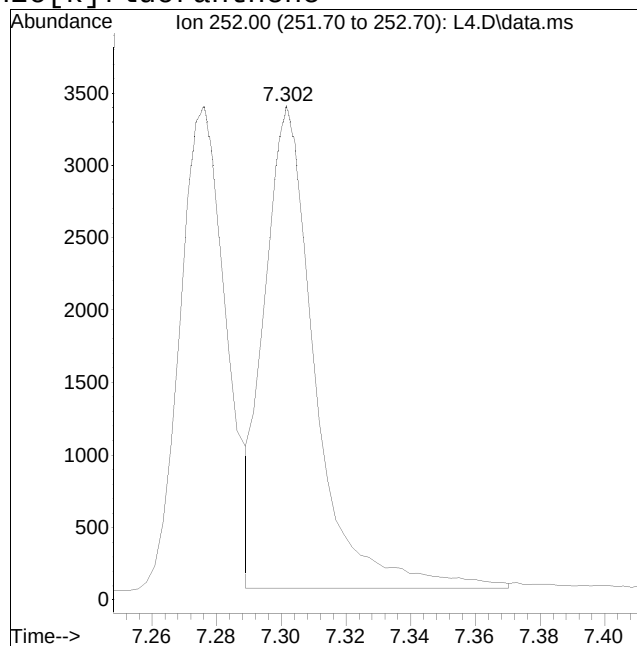
Data Path : I:\8270SIM\sv119\250618RVT\data.ms
Data File : L4.D
Date Inj'd : 6/18/2025 8:13 pm
Sample : IL4,32,,0.01 Lot# 11704
Method : SIM-RVT_250618_sv119.M
Operator : sv119:slr
Instrument : SV119
Quant Date : 6/18/2025 9:41 pm

Compound #40: Benzo[k]fluoranthene



Original Peak Response = 3581

M4 = Poor automated baseline construction.

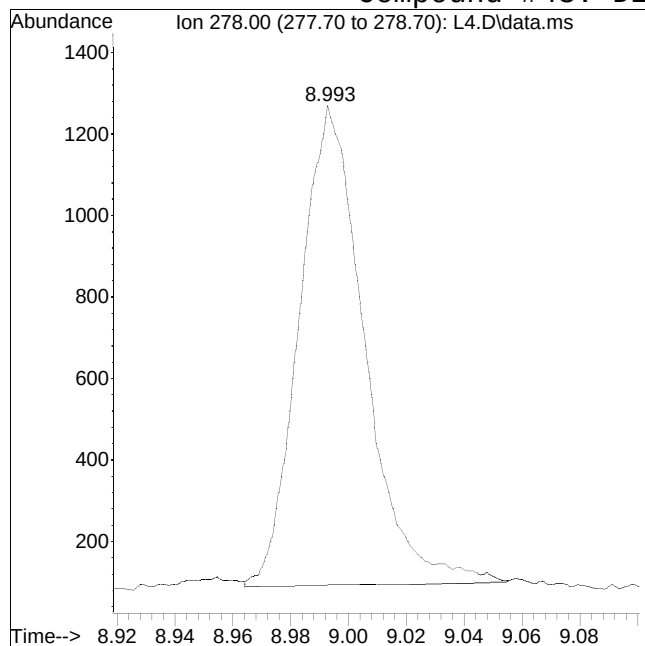


Manual Peak Response = 3656 M4

Manual Integration Report

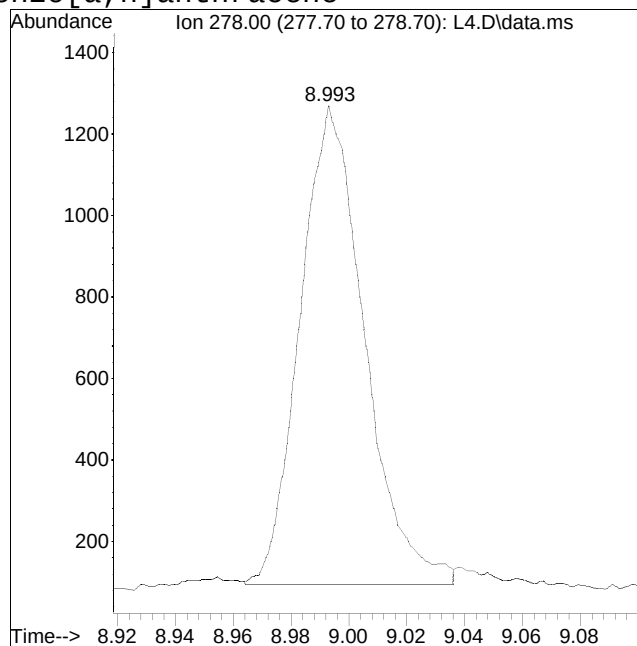
Data Path : I:\8270SIM\sv119\250618RVT01.M
Data File : L4.D
Date Inj'd : 6/18/2025 8:13 pm
Sample : IL4,32,,0.01 Lot# 11704
Method : SIM-RVT_250618_sv119.M
Operator : sv119:slr
Instrument : SV119
Quant Date : 6/18/2025 9:41 pm

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 1850

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Peak Response = 1820 M6

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250618RVTical\
 Data File : L3.D
 Acq On : 18 Jun 2025 08:30 pm
 Operator : sv119:slr
 Sample : IL3,32,,0.005 Lot# 11705
 Misc : WG2080956,,ical
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 19 10:21:51 2025
 Quant Method : I:\8270SIM\sv119\250618RVTical\SIM-RVT_250618_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Jun 18 21:40:57 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\250618RVTical\L8.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.329	152	276484	4000.000	ng/ml	0.00
Standard Area 1 = 283024			Recovery = 97.69%			
9) Naphthalene-d8	3.000	136	1021288	4000.000	ng/ml	0.00
Standard Area 1 = 1065169			Recovery = 95.88%			
18) Acenaphthene-d10	3.980	164	605614	4000.000	ng/ml	0.00
Standard Area 1 = 633894			Recovery = 95.54%			
23) Phenanthrene-d10	4.823	188	1298207	4000.000	ng/ml	0.00
Standard Area 1 = 1369725			Recovery = 94.78%			
33) Chrysene-d12	6.400	240	1319201	4000.000	ng/ml	0.00
Standard Area 1 = 1297109			Recovery = 101.70%			
38) Perylene-d12	7.679	264	1216873	4000.000	ng/ml	0.00
Standard Area 1 = 1258930			Recovery = 96.66%			
System Monitoring Compounds						
3) 2-Fluorophenol	1.735	112	400	5.151	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.26%#			
4) Phenol-d6	2.133	99	477	4.731	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.24%#			
8) Nitrobenzene-d5	2.611	82	417	5.014	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.50%#			
14) 2-Fluorobiphenyl	3.598	172	1214	5.254	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.53%#			
22) 2,4,6-Tribromophenol	4.425	330	152	5.003	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.25%#			
32) 4-Terphenyl-d14	5.742	244	1507	5.163	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.52%#			
Target Compounds						
2) N-Nitrosodimethylamine	0.000		0	N.D.	d	
5) Bis(2-chloroethyl)ether	0.000		0	N.D.	d	
6) n-nitrosodi-n-propylamine	2.531	70	309	5.051	ng/ml#	67
7) Hexachloroethane	2.592	117	180	4.905	ng/ml	96
10) Naphthalene	3.011	128	1429	5.340	ng/ml	97
11) Hexachlorobutadiene	3.083	225	280	5.285	ng/ml	99
12) 2-Methylnaphthalene	3.393	142	924	5.208	ng/ml	100
13) 1-Methylnaphthalene	3.448	142	958	5.223	ng/ml	99
15) 2-Chloronaphthalene	3.665	162	1010	5.076	ng/ml	97
16) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
17) Acenaphthylene	3.899	152	1650	4.988	ng/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250618RVTical\
 Data File : L3.D
 Acq On : 18 Jun 2025 08:30 pm
 Operator : sv119:slr
 Sample : IL3,32,,0.005 Lot# 11705
 Misc : WG2080956,,ical
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 19 10:21:51 2025
 Quant Method : I:\8270SIM\sv119\250618RVTical\SIM-RVT_250618_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Jun 18 21:40:57 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\250618RVTical\L8.D
 Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19)	Acenaphthene	3.997	153	1002	4.981	ng/ml	93
20)	2,4-Dinitrotoluene	0.000		0	N.D.	d	
21)	Fluorene	4.290	166	1224	5.086	ng/ml	99
24)	4,6-Dinitro-o-cresol	0.000		0	N.D.	d	
25)	Hexachlorobenzene	4.606	284	407	5.065	ng/ml	93
26)	Pentachlorophenol	4.718	266	403M1	11.389	ng/ml	
27)	Phenanthrene	4.835	178	1965	5.093	ng/ml	94
28)	Anthracene	4.864	178	1902	5.053	ng/ml	99
29)	Fluoranthene	5.517	202	2333	4.972	ng/ml	97
30)	Pyrene	5.649	202	2455	5.071	ng/ml	100
31)	Benzidine	5.592	184	349	262.919	ng/mL#	73
34)	Benzo[a]anthracene	6.397	228	5998	5.332	ng/mL#	83
35)	3,3'-Dichlorobenzidine	0.000		0	N.D.	d	
36)	Chrysene	6.414	228	2025	4.669	ng/ml	99
37)	Bis(2-ethylhexyl)phtha...	6.414	149	981	29.547	ng/ml	96
39)	Benzo[b]fluoranthene	7.280	252	1517	4.136	ng/ml	98
40)	Benzo[k]fluoranthene	7.305	252	1611M6	4.159	ng/ml	
41)	Benzo[a]pyrene	7.608	252	1328	3.979	ng/ml	98
42)	Indeno[1,2,3-cd]pyrene	8.958	276	957	7.543	ng/ml	98
43)	Dibenzo[a,h]anthracene	8.996	278	811	7.526	ng/ml	96
44)	Benzo[g,h,i]perylene	9.320	276	1075M6	30.943	ng/ml	

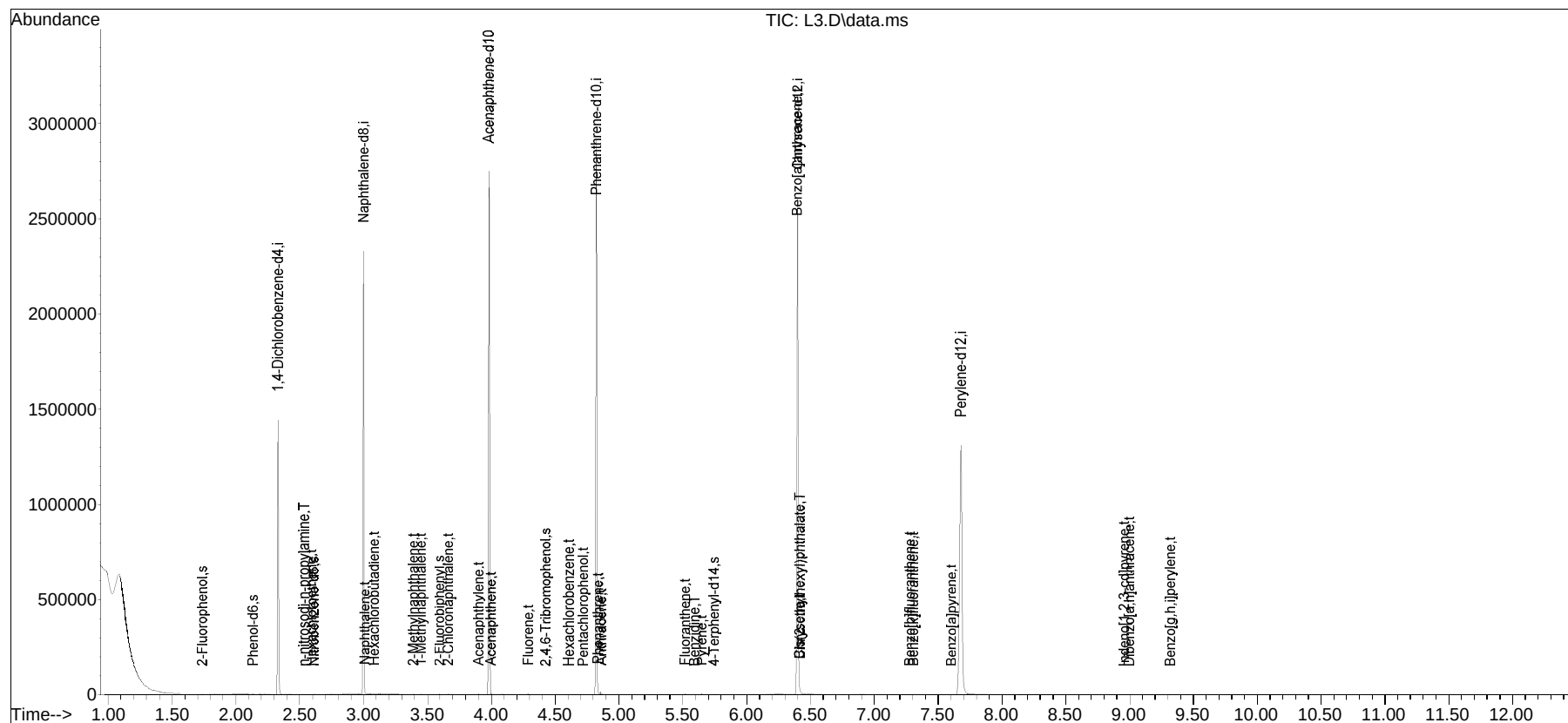
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250618RVTical\
 Data File : L3.D
 Acq On : 18 Jun 2025 08:30 pm
 Operator : sv119:slr
 Sample : IL3,32,,0.005 Lot# 11705
 Misc : WG2080956,,ical
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 19 10:21:51 2025
 Quant Method : I:\8270SIM\sv119\250618RVTical\SIM-RVT_250618_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Jun 18 21:40:57 2025
 Response via : Initial Calibration

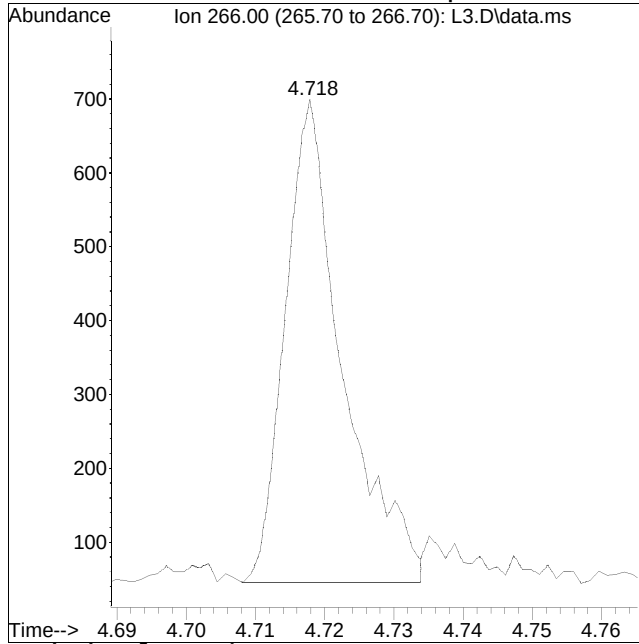
Sub List : Default - All compounds listedical\L8.D•



Manual Integration Report

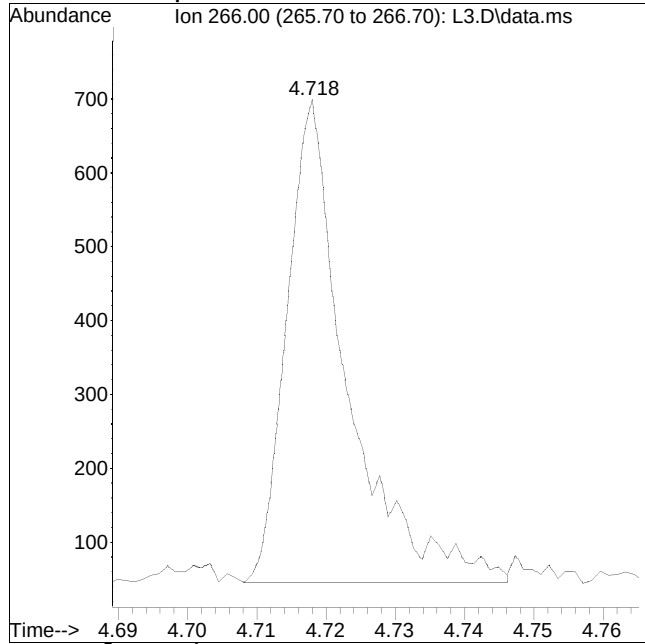
Data Path : I:\8270SIM\sv119\250618RVTQMethod : SIM-RVT_250618_sv119.M
Data File : L3.DOperator : sv119:slr
Date Inj'd : 6/18/2025 8:30 pmInstrument : SV119
Sample : IL3,32,,0.005 Lot# 11705Quant Date : 6/18/2025 9:40 pm

Compound #26: Pentachlorophenol



Original Peak Response = 376

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

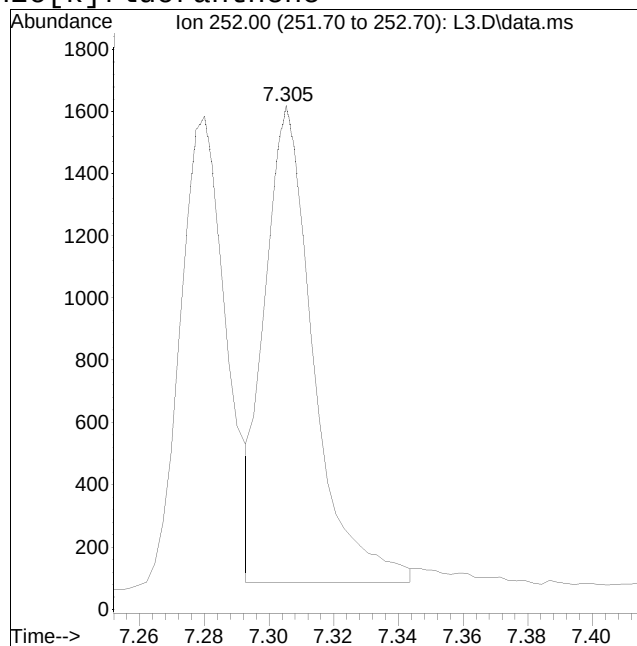
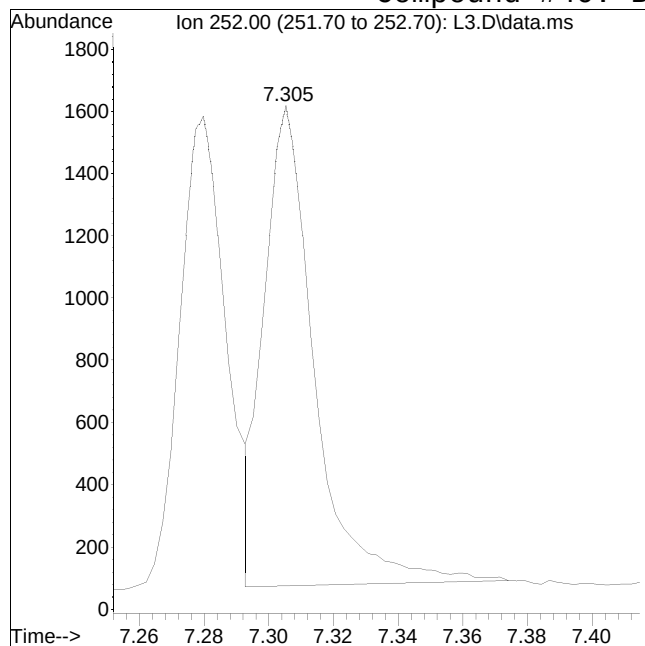


Manual Peak Response = 403 M1

Manual Integration Report

Data Path : I:\8270SIM\sv119\250618RVT01\data.ms
Data File : L3.D
Date Inj'd : 6/18/2025 8:30 pm
Sample : IL3,32,,0.005 Lot# 11705
Method : SIM-RVT_250618_sv119.M
Operator : sv119:slr
Instrument : SV119
Quant Date : 6/18/2025 9:40 pm

Compound #40: Benzo[k]fluoranthene



Original Peak Response = 1681

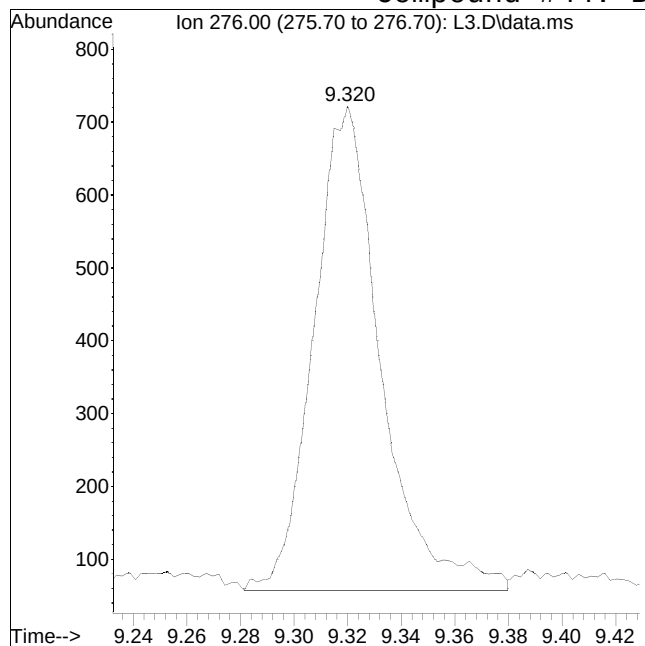
Manual Peak Response = 1611 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

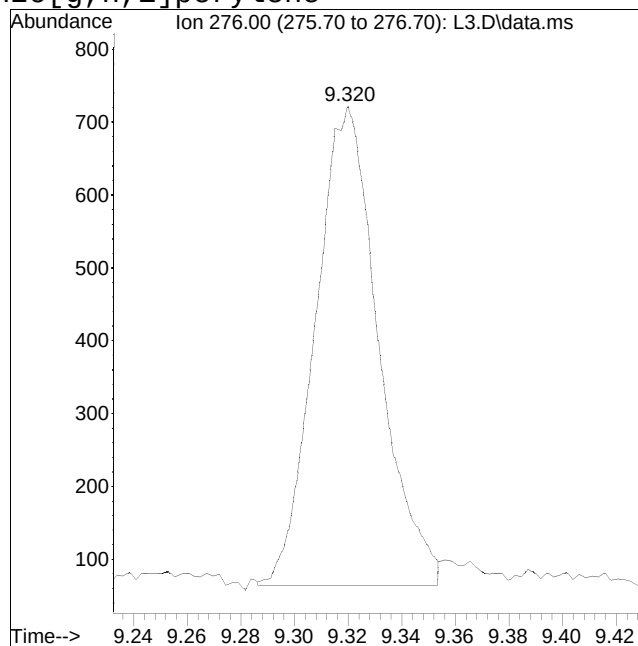
Data Path : I:\8270SIM\sv119\250618RVT\data.ms
Data File : L3.D
Date Inj'd : 6/18/2025 8:30 pm
Sample : IL3,32,,0.005 Lot# 11705
Method : SIM-RVT_250618_sv119.M
Operator : sv119:slr
Instrument : SV119
Quant Date : 6/18/2025 9:40 pm

Compound #44: Benzo[g,h,i]perylene



Original Peak Response = 1153

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Peak Response = 1075 M6

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250618RVTical\
 Data File : L2.D
 Acq On : 18 Jun 2025 08:46 pm
 Operator : sv119:slr
 Sample : IL2,32,,0.002 Lot# 11706
 Misc : WG2080956,,ical
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 20 09:40:27 2025
 Quant Method : I:\8270SIM\sv119\250618RVTical\SIM-RVT_250618_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Jun 18 21:40:50 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\250618RVTical\L8.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.330	152	288059	4000.000	ng/ml	0.00
Standard Area 1 = 283024			Recovery = 101.78%			
9) Naphthalene-d8	2.999	136	1063485	4000.000	ng/ml	0.00
Standard Area 1 = 1065169			Recovery = 99.84%			
18) Acenaphthene-d10	3.981	164	630794	4000.000	ng/ml	0.00
Standard Area 1 = 633894			Recovery = 99.51%			
23) Phenanthrene-d10	4.823	188	1349829	4000.000	ng/ml	0.00
Standard Area 1 = 1369725			Recovery = 98.55%			
33) Chrysene-d12	6.399	240	1373262	4000.000	ng/ml	0.00
Standard Area 1 = 1297109			Recovery = 105.87%			
38) Perylene-d12	7.678	264	1261793	4000.000	ng/ml	0.00
Standard Area 1 = 1258930			Recovery = 100.23%			
System Monitoring Compounds						
3) 2-Fluorophenol	1.735	112	166	2.052	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.10%#			
4) Phenol-d6	2.131	99	256	2.437	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.12%#			
8) Nitrobenzene-d5	2.612	82	180	2.077	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.21%#			
14) 2-Fluorobiphenyl	3.598	172	501	2.082	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.21%#			
22) 2,4,6-Tribromophenol	4.426	330	60	1.896	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.09%#			
32) 4-Terphenyl-d14	5.741	244	665	2.191	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.22%#			
Target Compounds						
2) N-Nitrosodimethylamine	0.000		0	N.D.		
5) Bis(2-chloroethyl)ether	0.000		0	N.D. d		
6) n-nitrosodi-n-propylamine	0.000		0	N.D. d		
7) Hexachloroethane	0.000		0	N.D. d		
10) Naphthalene	3.011	128	604	2.168	ng/ml#	92
11) Hexachlorobutadiene	3.081	225	123	2.229	ng/ml	99
12) 2-Methylnaphthalene	3.393	142	427	2.311	ng/ml	95
13) 1-Methylnaphthalene	3.448	142	413	2.162	ng/ml	98
15) 2-Chloronaphthalene	3.664	162	423M6	2.041	ng/ml	
16) 2,6-Dinitrotoluene	0.000		0	N.D. d		
17) Acenaphthylene	3.898	152	708	2.055	ng/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250618RVTical\
 Data File : L2.D
 Acq On : 18 Jun 2025 08:46 pm
 Operator : sv119:slr
 Sample : IL2,32,,0.002 Lot# 11706
 Misc : WG2080956,,ical
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 20 09:40:27 2025
 Quant Method : I:\8270SIM\sv119\250618RVTical\SIM-RVT_250618_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Jun 18 21:40:50 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\250618RVTical\L8.D
 Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
19)	Acenaphthene	3.998	153	429	2.048	ng/ml		93
20)	2,4-Dinitrotoluene	0.000		0	N.D.	d		
21)	Fluorene	4.289	166	513M4	2.047	ng/ml		
24)	4,6-Dinitro-o-cresol	0.000		0	N.D.			
25)	Hexachlorobenzene	4.607	284	176	2.107	ng/ml		97
26)	Pentachlorophenol	0.000		0	N.D.	d		
27)	Phenanthrene	4.836	178	883M2	2.201	ng/ml		
28)	Anthracene	4.865	178	800	2.044	ng/ml		98
29)	Fluoranthene	5.517	202	1000	2.050	ng/ml#		92
30)	Pyrene	5.649	202	1036	2.058	ng/ml		99
31)	Benzydine	5.591	184	199	262.350	ng/mL#		52
34)	Benzo[a]anthracene	0.000		0	N.D.	d		
35)	3,3'-Dichlorobenzidine	0.000		0	N.D.	d		
36)	Chrysene	6.413	228	861M4	1.907	ng/ml		
37)	Bis(2-ethylhexyl)phtha...	0.000		0	N.D.	d		
39)	Benzo[b]fluoranthene	0.000		0	N.D.	d		
40)	Benzo[k]fluoranthene	0.000		0	N.D.	d		
41)	Benzo[a]pyrene	0.000		0	N.D.	d		
42)	Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d		
43)	Dibenzo[a,h]anthracene	0.000		0	N.D.	d		
44)	Benzo[g,h,i]perylene	0.000		0	N.D.	d		

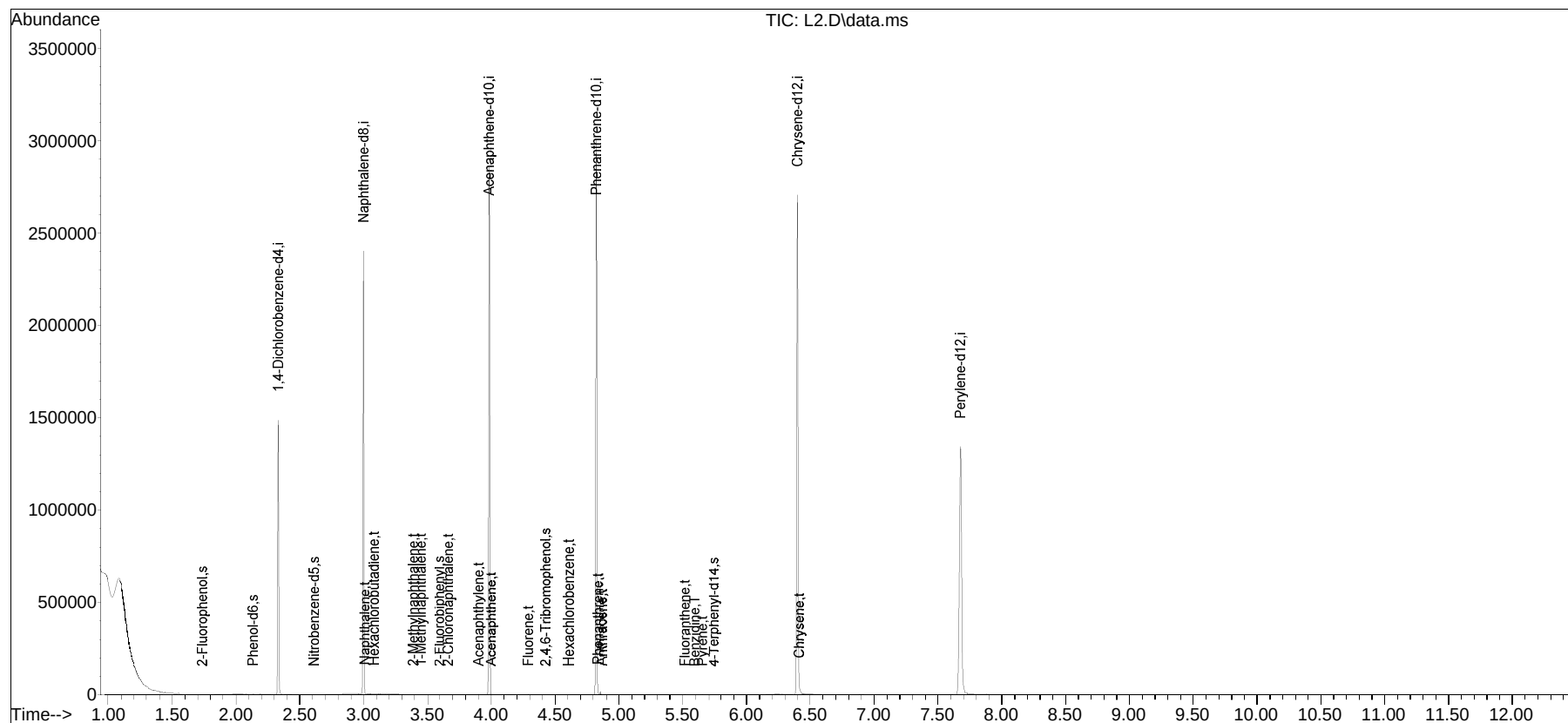
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250618RVTical\
 Data File : L2.D
 Acq On : 18 Jun 2025 08:46 pm
 Operator : sv119:slr
 Sample : IL2,32,,0.002 Lot# 11706
 Misc : WG2080956,,ical
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 20 09:40:27 2025
 Quant Method : I:\8270SIM\sv119\250618RVTical\SIM-RVT_250618_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Jun 18 21:40:50 2025
 Response via : Initial Calibration

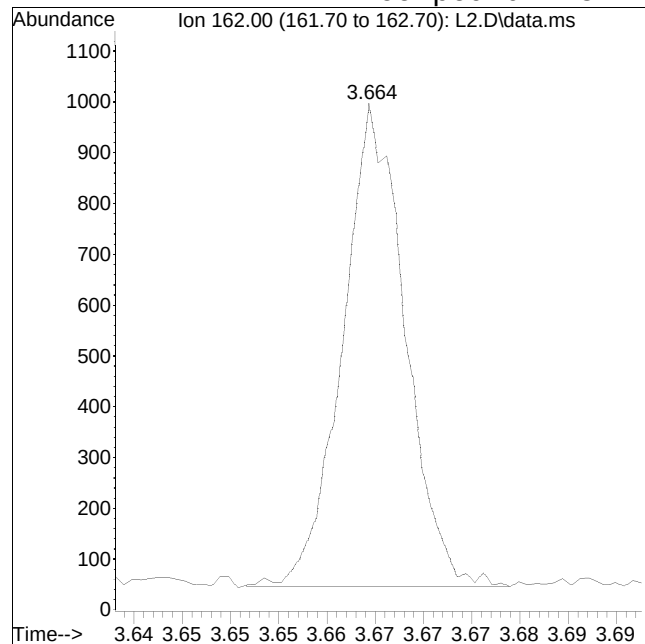
Sub List : Default - All compounds listedical\L8.D•



Manual Integration Report

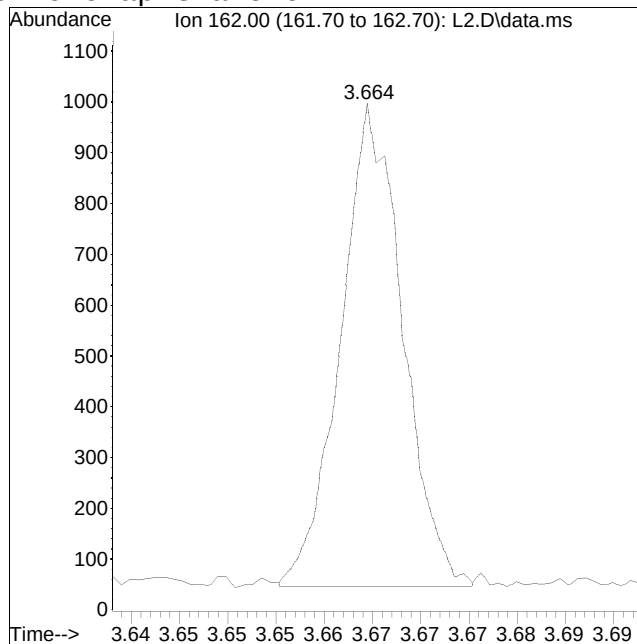
Data Path : I:\8270SIM\sv119\250618RVT\Method : SIM-RVT_250618_sv119.M
Data File : L2.D Operator : sv119:slr
Date Inj'd : 6/18/2025 8:46 pm Instrument : SV119
Sample : IL2,32,,0.002 Lot# 11706 Quant Date : 6/18/2025 9:40 pm

Compound #15: 2-Chloronaphthalene



Original Peak Response = 428

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

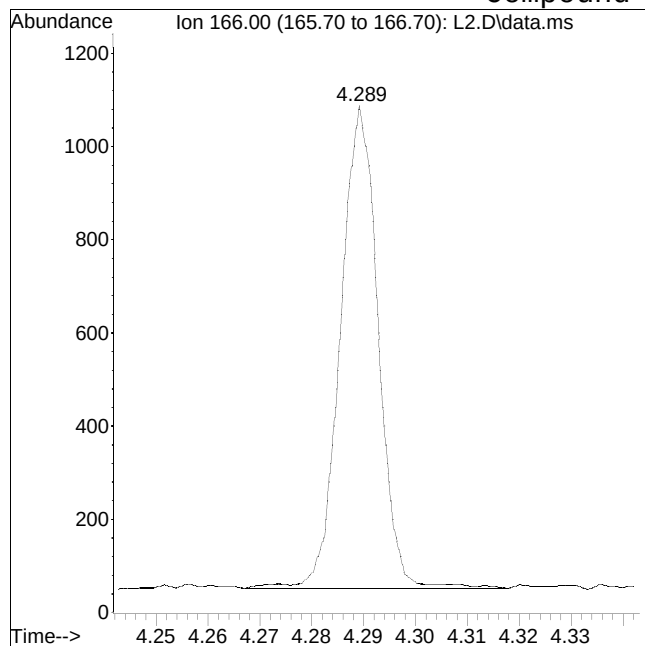


Manual Peak Response = 423 M6

Manual Integration Report

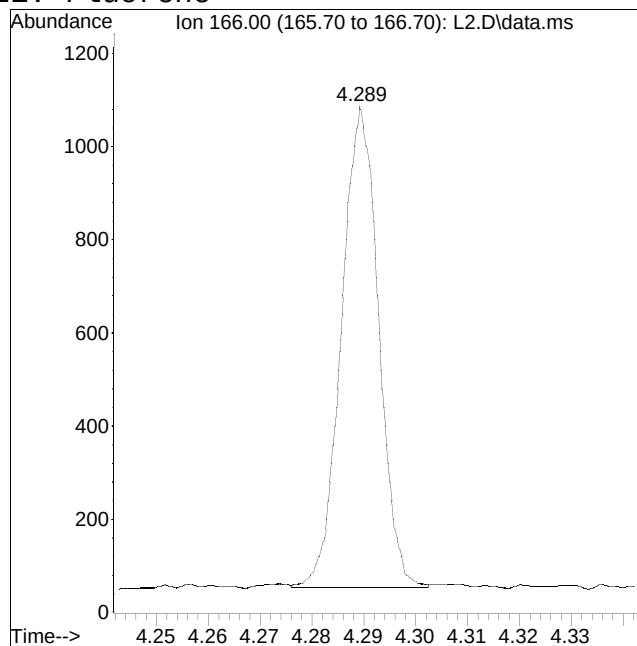
Data Path : I:\8270SIM\sv119\250618RVT01.M
Data File : L2.D
Date Inj'd : 6/18/2025 8:46 pm
Sample : IL2,32,,0.002 Lot# 11706
Method : SIM-RVT_250618_sv119.M
Operator : sv119:slr
Instrument : SV119
Quant Date : 6/18/2025 9:40 pm

Compound #21: Fluorene



Original Peak Response = 525

M4 = Poor automated baseline construction.

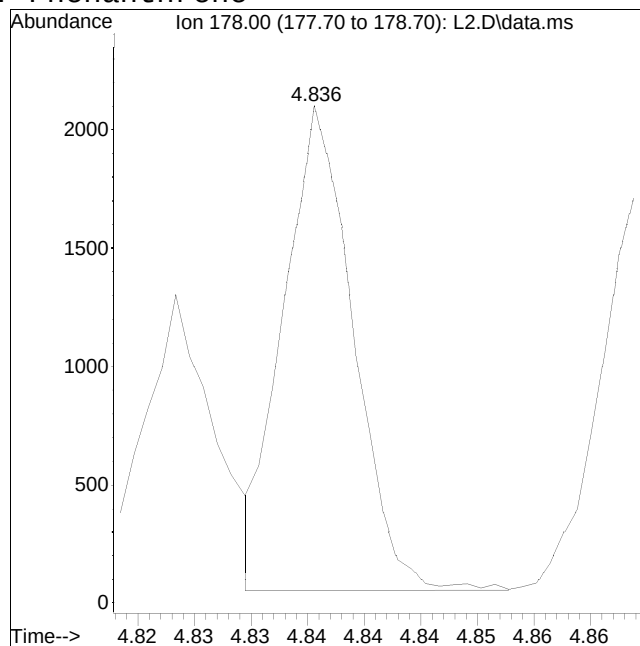
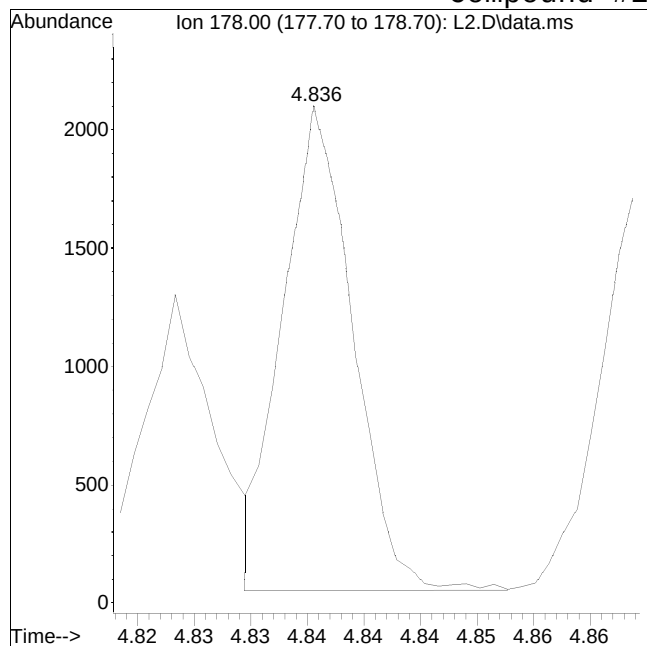


Manual Peak Response = 513 M4

Manual Integration Report

Data Path : I:\8270SIM\sv119\250618RVT\data.ms
Data File : L2.D
Date Inj'd : 6/18/2025 8:46 pm
Sample : IL2,32,,0.002 Lot# 11706
Method : SIM-RVT_250618_sv119.M
Operator : sv119:slr
Instrument : SV119
Quant Date : 6/18/2025 9:40 pm

Compound #27: Phenanthrene



Original Peak Response = 883

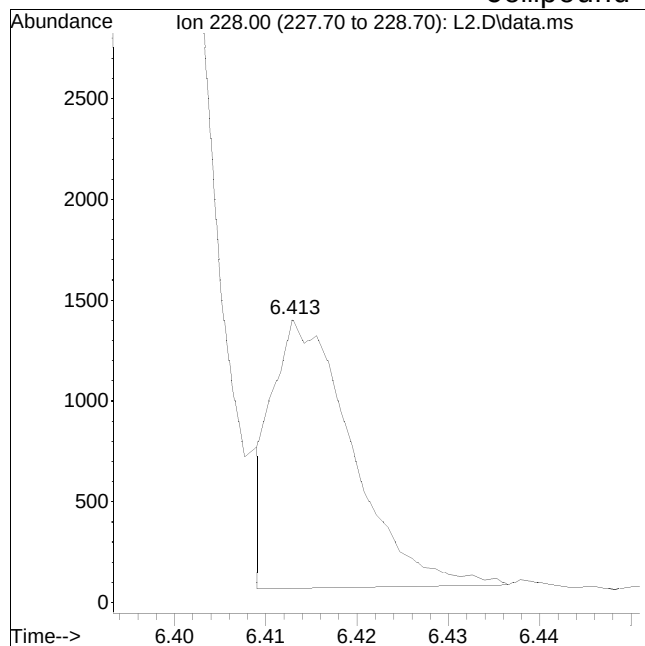
Manual Peak Response = 883 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

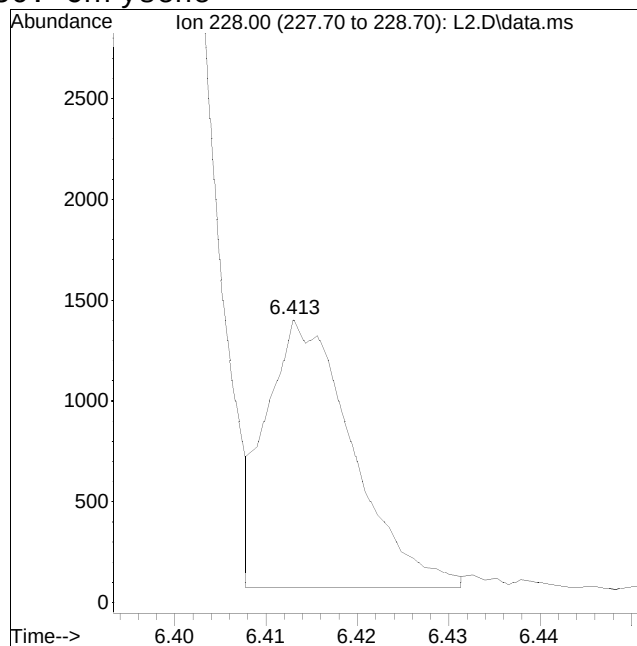
Data Path : I:\8270SIM\sv119\250618RVT\Method : SIM-RVT_250618_sv119.M
Data File : L2.D Operator : sv119:slr
Date Inj'd : 6/18/2025 8:46 pm Instrument : SV119
Sample : IL2,32,,0.002 Lot# 11706 Quant Date : 6/18/2025 9:40 pm

Compound #36: Chrysene



Original Peak Response = 814

M4 = Poor automated baseline construction.



Manual Peak Response = 861 M4

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250618RVTical\
 Data File : L1.D
 Acq On : 18 Jun 2025 09:03 pm
 Operator : sv119:slr
 Sample : IL1,32,,0.001 Lot# 11707
 Misc : WG2080956,,ical
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 19 10:11:46 2025
 Quant Method : I:\8270SIM\sv119\250618RVTical\SIM-RVT_250618_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Jun 18 21:40:38 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\250618RVTical\L8.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.329	152	284249	4000.000	ng/ml	0.00
Standard Area 1 = 283024			Recovery = 100.43%			
9) Naphthalene-d8	3.000	136	1047772	4000.000	ng/ml	0.00
Standard Area 1 = 1065169			Recovery = 98.37%			
18) Acenaphthene-d10	3.980	164	624767	4000.000	ng/ml	0.00
Standard Area 1 = 633894			Recovery = 98.56%			
23) Phenanthrene-d10	4.823	188	1338054	4000.000	ng/ml	0.00
Standard Area 1 = 1369725			Recovery = 97.69%			
33) Chrysene-d12	6.396	240	1359881	4000.000	ng/ml	0.00
Standard Area 1 = 1297109			Recovery = 104.84%			
38) Perylene-d12	7.678	264	1248585	4000.000	ng/ml	0.00
Standard Area 1 = 1258930			Recovery = 99.18%			
System Monitoring Compounds						
3) 2-Fluorophenol	0.000	112	0d	0.000	ng/ml	
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.00%#			
4) Phenol-d6	0.000	99	0d	0.000	ng/ml	
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.00%#			
8) Nitrobenzene-d5	2.609	82	100	1.169	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.12%#			
14) 2-Fluorobiphenyl	3.598	172	274	1.156	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.12%#			
22) 2,4,6-Tribromophenol	4.425	330	42	1.340	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 0.07%#			
32) 4-Terphenyl-d14	5.740	244	340	1.130	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 0.11%#			
Target Compounds						
2) N-Nitrosodimethylamine	0.000		0	N.D.		
5) Bis(2-chloroethyl)ether	0.000		0	N.D.	d	
6) n-nitrosodi-n-propylamine	0.000		0	N.D.	d	
7) Hexachloroethane	0.000		0	N.D.	d	
10) Naphthalene	0.000		0	N.D.	d	
11) Hexachlorobutadiene	0.000		0	N.D.	d	
12) 2-Methylnaphthalene	0.000		0	N.D.	d	
13) 1-Methylnaphthalene	0.000		0	N.D.	d	
15) 2-Chloronaphthalene	0.000		0	N.D.	d	
16) 2,6-Dinitrotoluene	0.000		0	N.D.	d	
17) Acenaphthylene	3.899	152	357	1.052	ng/ml	98

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250618RVTical\
 Data File : L1.D
 Acq On : 18 Jun 2025 09:03 pm
 Operator : sv119:slr
 Sample : IL1,32,,0.001 Lot# 11707
 Misc : WG2080956,,ical
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 19 10:11:46 2025
 Quant Method : I:\8270SIM\sv119\250618RVTical\SIM-RVT_250618_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Jun 18 21:40:38 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\250618RVTical\L8.D
 Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19)	Acenaphthene	3.997	153	223	1.075	ng/ml	99
20)	2,4-Dinitrotoluene	0.000		0	N.D.	d	
21)	Fluorene	4.288	166	261	1.051	ng/ml	95
24)	4,6-Dinitro-o-cresol	0.000		0	N.D.		
25)	Hexachlorobenzene	4.605	284	106	1.280	ng/ml#	71
26)	Pentachlorophenol	0.000		0	N.D.	d	
27)	Phenanthrene	4.834	178	479M6	1.205	ng/ml	
28)	Anthracene	4.865	178	396	1.021	ng/ml#	88
29)	Fluoranthene	5.517	202	526	1.088	ng/ml	95
30)	Pyrene	5.649	202	537	1.076	ng/ml	100
31)	Benzydine	5.592	184	154	262.199	ng/mL#	35
34)	Benzo[a]anthracene	0.000		0	N.D.	d	
35)	3,3'-Dichlorobenzidine	0.000		0	N.D.	d	
36)	Chrysene	6.413	228	404M1	0.904	ng/ml	
37)	Bis(2-ethylhexyl)phtha...	0.000		0	N.D.	d	
39)	Benzo[b]fluoranthene	7.277	252	274	0.728	ng/ml	100
40)	Benzo[k]fluoranthene	7.302	252	287M4	0.722	ng/ml	
41)	Benzo[a]pyrene	7.607	252	246	0.718	ng/ml	97
42)	Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
43)	Dibenzo[a,h]anthracene	0.000		0	N.D.	d	
44)	Benzo[g,h,i]perylene	0.000		0	N.D.	d	

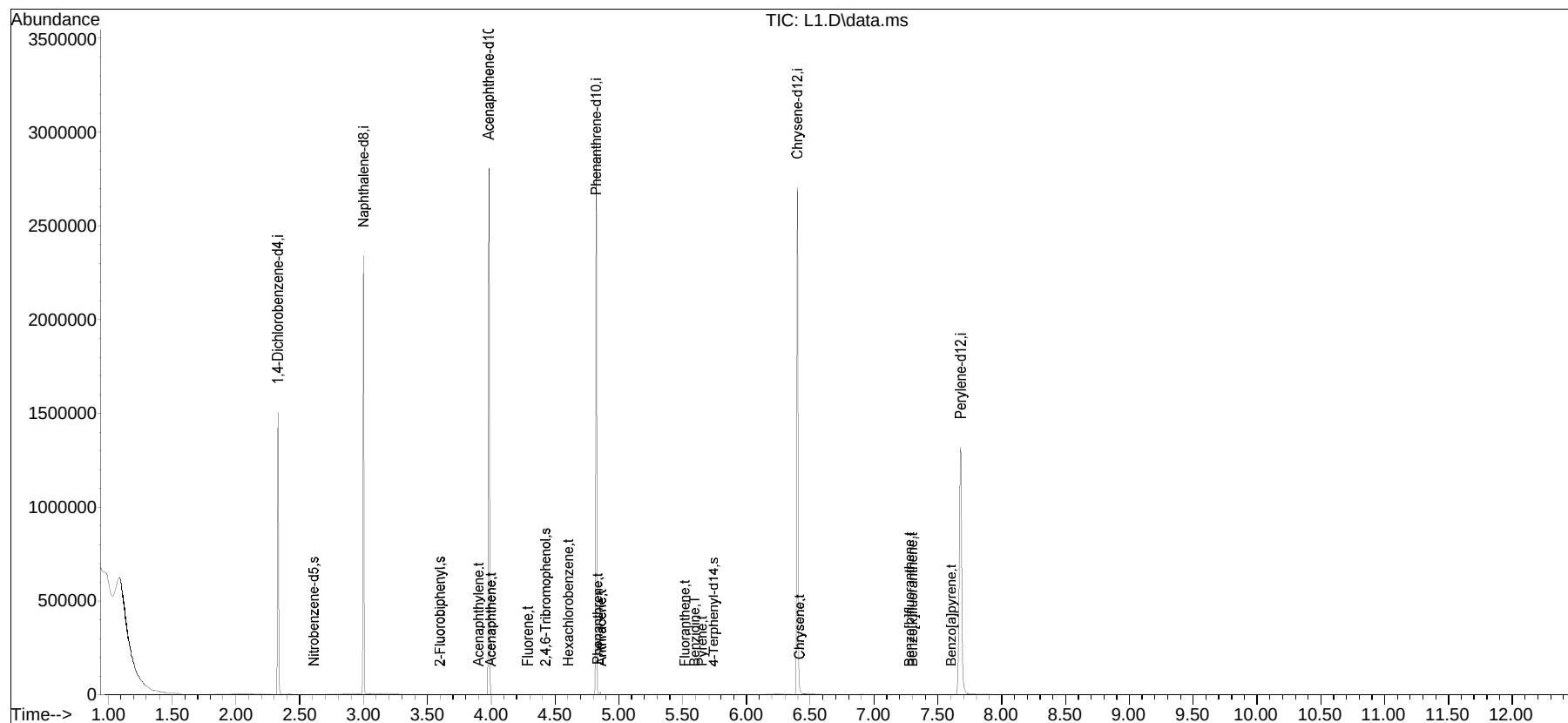
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250618RVTical\
 Data File : L1.D
 Acq On : 18 Jun 2025 09:03 pm
 Operator : sv119:slr
 Sample : IL1,32,,0.001 Lot# 11707
 Misc : WG2080956,,ical
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 19 10:11:46 2025
 Quant Method : I:\8270SIM\sv119\250618RVTical\SIM-RVT_250618_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Jun 18 21:40:38 2025
 Response via : Initial Calibration

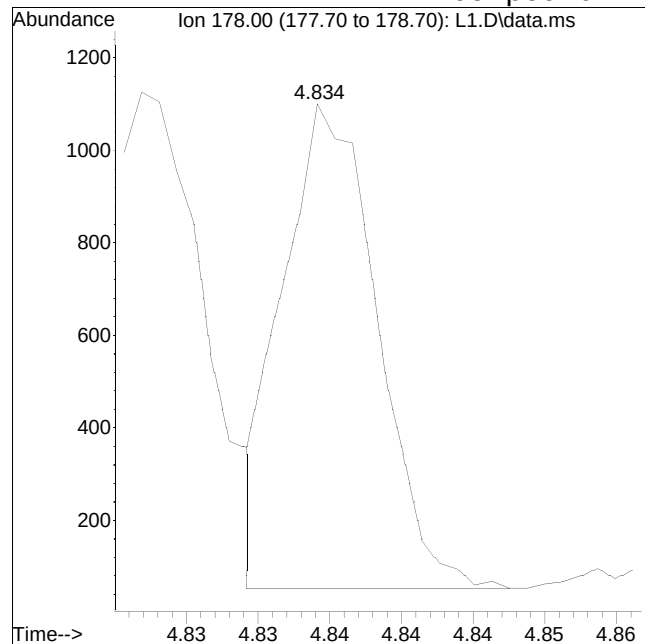
Sub List : Default - All compounds listedical\L8.D•



Manual Integration Report

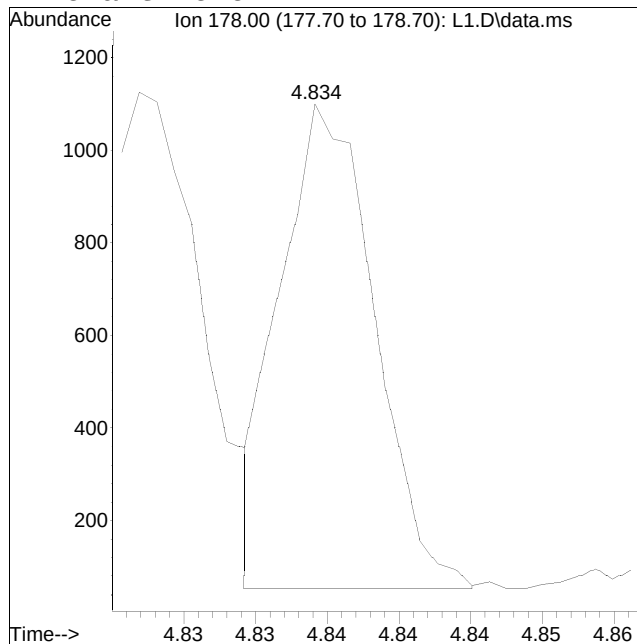
Data Path : I:\8270SIM\sv119\250618RVT\data
Data File : L1.D
Date Inj'd : 6/18/2025 9:03 pm
Sample : IL1,32,,0.001 Lot# 11707
Method : SIM-RVT_250618_sv119.M
Operator : sv119:slr
Instrument : SV119
Quant Date : 6/18/2025 9:40 pm

Compound #27: Phenanthrene



Original Peak Response = 482

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

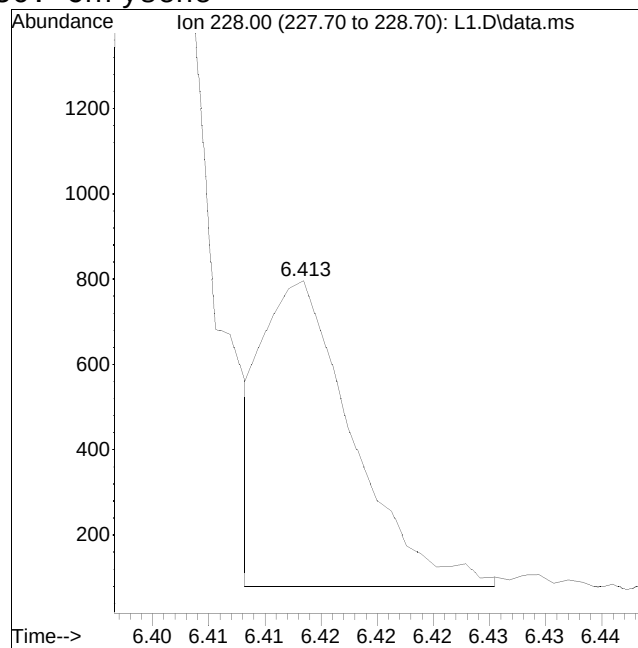
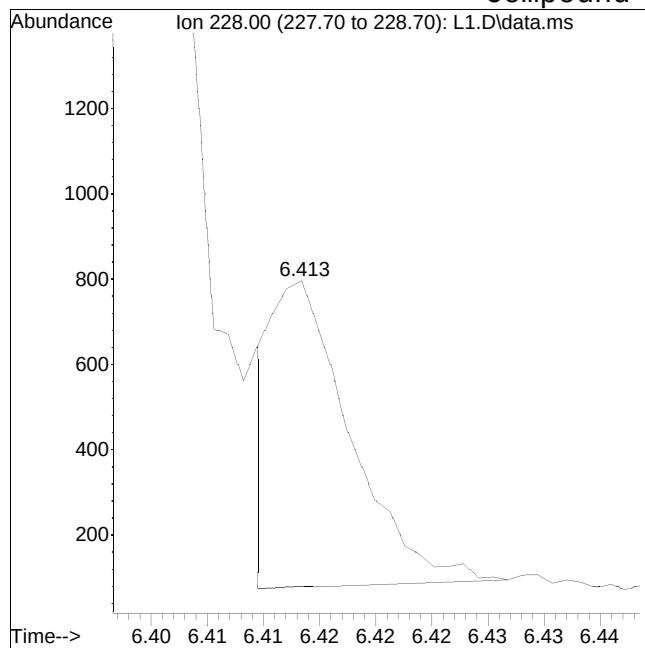


Manual Peak Response = 479 M6

Manual Integration Report

Data Path : I:\8270SIM\sv119\250618RVT01.M
Data File : L1.D
Date Inj'd : 6/18/2025 9:03 pm
Sample : IL1,32,,0.001 Lot# 11707
Method : SIM-RVT_250618_sv119.M
Operator : sv119:slr
Instrument : SV119
Quant Date : 6/18/2025 9:40 pm

Compound #36: Chrysene



Original Peak Response = 354

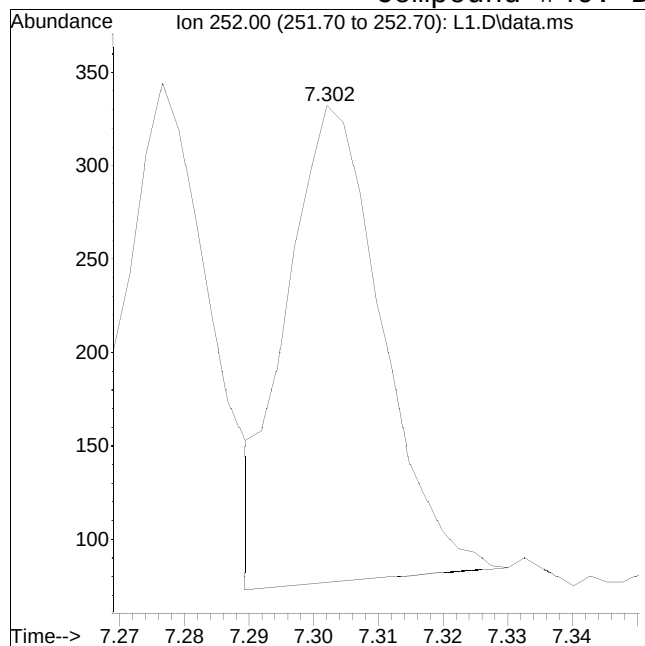
Manual Peak Response = 404 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

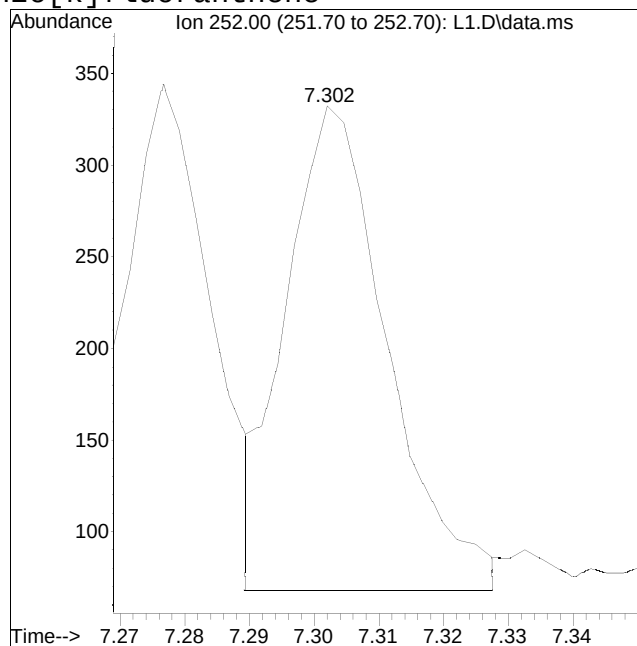
Data Path : I:\8270SIM\sv119\250618RVT01.M
Data File : L1.D
Date Inj'd : 6/18/2025 9:03 pm
Sample : IL1,32,,0.001 Lot# 11707
Method : SIM-RVT_250618_sv119.M
Operator : sv119:slr
Instrument : SV119
Quant Date : 6/18/2025 9:40 pm

Compound #40: Benzo[k]fluoranthene



Original Peak Response = 263

M4 = Poor automated baseline construction.



Manual Peak Response = 287 M4

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\sv119\250618RVTical\
 Data File : ICV.D
 Acq On : 18 Jun 2025 09:19 pm
 Operator : sv119:slr
 Sample : CQICV1,32,,1 Lot# 11696
 Misc : WG2080956,,ical
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 19 10:29:30 2025
 Quant Method : I:\8270SIM\sv119\250618RVTical\SIM-RVT_250618_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Jun 19 10:23:45 2025
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 i	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	93	0.00
2 T	N-Nitrosodimethylamine	0.662	0.653	1.4	94	0.00
3 s	2-Fluorophenol	1.123	1.213	-8.0	101	0.00
4 s	Phenol-d6	1.459	1.496	-2.5	100	0.00
5 T	Bis(2-chloroethyl)ether	1.177	1.128	4.2	90	0.00
6 T	n-nitrosodi-n-propylamine	0.885	0.849	4.1	91	0.00
7 t	Hexachloroethane	0.531	0.509	4.1	91	0.00
8 s	Nitrobenzene-d5	1.203	1.160	3.6	91	0.00
9 i	Naphthalene-d8	1.000	1.000	0.0	93	0.00
10 t	Naphthalene	1.048	0.995	5.1	91	0.00
11 t	Hexachlorobutadiene	0.208	0.197	5.3	90	0.00
12 t	2-Methylnaphthalene	0.695	0.671	3.5	93	0.00
13 t	1-Methylnaphthalene	0.718	0.684	4.7	91	0.00
14 s	2-Fluorobiphenyl	0.905	0.874	3.4	93	0.00
15 t	2-Chloronaphthalene	0.779	0.741	4.9	90	0.00
16 t	2,6-Dinitrotoluene	0.159	0.150	5.7	89	0.00
17 t	Acenaphthylene	1.296	1.247	3.8	91	0.00
18 i	Acenaphthene-d10	1.000	1.000	0.0	93	0.00
19 t	Acenaphthene	1.329	1.270	4.4	90	0.00
20 t	2,4-Dinitrotoluene	0.353	0.340	3.7	88	0.00
21 t	Fluorene	1.589	1.536	3.3	91	0.00
22 s	2,4,6-Tribromophenol	0.201	0.215	-7.0	99	0.00
23 i	Phenanthrene-d10	1.000	1.000	0.0	94	0.00
24 T	4,6-Dinitro-o-cresol	*1000.000	996.611	0.3	97	0.00
25 t	Hexachlorobenzene	0.248	0.236	4.8	92	0.00
26 t	Pentachlorophenol	*1000.000	941.674	5.8	91	0.00
27 t	Phenanthrene	1.189	1.088	8.5	91	0.00
28 t	Anthracene	1.160	1.120	3.4	91	0.00
29 t	Fluoranthene	1.446	1.386	4.1	93	0.00
30 t	Pyrene	1.492	1.420	4.8	93	0.00
31 T	Benzidine	*1000.000	715.837	28.4	59	0.00
32 s	4-Terphenyl-d14	0.899	0.907	-0.9	96	0.00
33 i	Chrysene-d12	1.000	1.000	0.0	98	0.00
34 t	Benzo[a]anthracene	*1000.000	950.929	4.9	92	0.00
35 t	3,3'-Dichlorobenzidine	0.522	0.505	3.3	89	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\sv119\250618RVTical\
 Data File : ICV.D
 Acq On : 18 Jun 2025 09:19 pm
 Operator : sv119:slr
 Sample : CQICV1,32,,1 Lot# 11696
 Misc : WG2080956,,ical
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 19 10:29:30 2025
 Quant Method : I:\8270SIM\sv119\250618RVTical\SIM-RVT_250618_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Jun 19 10:23:45 2025
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 30% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
36 t	Chrysene	1.315	1.284	2.4	95	0.00
37 T	Bis(2-ethylhexyl)phthalate	*1000.000	798.190	20.2	86	0.00
38 i	Perylene-d12	1.000	1.000	0.0	97	0.00
39 t	Benzo[b]fluoranthene	1.206	1.182	2.0	88	0.00
40 t	Benzo[k]fluoranthene	1.273	1.378	-8.2	97	0.00
41 t	Benzo[a]pyrene	1.097	1.119	-2.0	89	0.00
42 t	Indeno[1,2,3-cd]pyrene	*1000.000	720.479	28.0	72	0.00
43 t	Dibenzo[a,h]anthracene	*1000.000	777.960	22.2	77	0.00
44 t	Benzo[g,h,i]perylene	*1000.000	866.845	13.3	86	0.00

* Evaluation of CC level amount vs concentration.
 (#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250618RVTical\
 Data File : ICV.D
 Acq On : 18 Jun 2025 09:19 pm
 Operator : sv119:slr
 Sample : CQICV1,32,,1 Lot# 11696
 Misc : WG2080956,,ical
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 19 10:29:30 2025
 Quant Method : I:\8270SIM\sv119\250618RVTical\SIM-RVT_250618_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Jun 19 10:23:45 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\250618RVTical\L8.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.330	152	264344	4000.000	ng/ml	0.00
Standard Area 1 = 283024			Recovery = 93.40%			
9) Naphthalene-d8	2.999	136	990142	4000.000	ng/ml	0.00
Standard Area 1 = 1065169			Recovery = 92.96%			
18) Acenaphthene-d10	3.981	164	591092	4000.000	ng/ml	0.00
Standard Area 1 = 633894			Recovery = 93.25%			
23) Phenanthrene-d10	4.823	188	1293806	4000.000	ng/ml	0.00
Standard Area 1 = 1369725			Recovery = 94.46%			
33) Chrysene-d12	6.401	240	1270687	4000.000	ng/ml	0.00
Standard Area 1 = 1297109			Recovery = 97.96%			
38) Perylene-d12	7.679	264	1226646	4000.000	ng/ml	0.00
Standard Area 1 = 1258930			Recovery = 97.44%			
System Monitoring Compounds						
3) 2-Fluorophenol	1.735	112	80193	1080.132	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 54.01%			
4) Phenol-d6	2.134	99	98876	1025.712	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 51.29%			
8) Nitrobenzene-d5	2.611	82	76670	964.151	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 96.42%			
14) 2-Fluorobiphenyl	3.598	172	216409	966.029	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 96.60%			
22) 2,4,6-Tribromophenol	4.426	330	31729	1070.040	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery = 53.50%			
32) 4-Terphenyl-d14	5.741	244	293412	1008.650	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery = 100.87%			
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	1.290	74	43143	986.600	ng/mL	95
5) Bis(2-chloroethyl)ether	2.191	93	74522	957.942	ng/ml	100
6) n-nitrosodi-n-propylamine	2.530	70	56112	959.430	ng/ml	100
7) Hexachloroethane	2.592	117	33605	957.770	ng/ml	99
10) Naphthalene	3.011	128	246391	949.755	ng/ml	100
11) Hexachlorobutadiene	3.083	225	48660	947.305	ng/ml	100
12) 2-Methylnaphthalene	3.393	142	166175	965.997	ng/ml	100
13) 1-Methylnaphthalene	3.448	142	169347	952.252	ng/ml	100
15) 2-Chloronaphthalene	3.665	162	183338	950.319	ng/ml	100
16) 2,6-Dinitrotoluene	3.855	165	37081	944.978	ng/ml	96
17) Acenaphthylene	3.898	152	308774	962.838	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250618RVTical\
 Data File : ICV.D
 Acq On : 18 Jun 2025 09:19 pm
 Operator : sv119:slr
 Sample : CQICV1,32,,1 Lot# 11696
 Misc : WG2080956,,ical
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 19 10:29:30 2025
 Quant Method : I:\8270SIM\sv119\250618RVTical\SIM-RVT_250618_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Jun 19 10:23:45 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\250618RVTical\L8.D
 Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19)	Acenaphthene	3.999	153	187722	956.124	ng/ml	99
20)	2,4-Dinitrotoluene	4.083	165	50216	963.842	ng/ml	97
21)	Fluorene	4.289	166	227045	966.633	ng/ml	100
24)	4,6-Dinitro-o-cresol	4.313	198	28403	996.611	ng/ml	98
25)	Hexachlorobenzene	4.607	284	76191	951.454	ng/ml	99
26)	Pentachlorophenol	4.716	266	34113	941.674	ng/ml	100
27)	Phenanthrene	4.836	178	351900	915.240	ng/ml	100
28)	Anthracene	4.864	178	362255	965.755	ng/ml	100
29)	Fluoranthene	5.517	202	448243	958.486	ng/ml	100
30)	Pyrene	5.650	202	459332	951.926	ng/ml	100
31)	Benzydine	5.592	184	125511	715.837	ng/mL	100
34)	Benzo[a]anthracene	6.393	228	425906	950.929	ng/ml	100
35)	3,3'-Dichlorobenzidine	6.374	252	160402	966.708	ng/ml	100
36)	Chrysene	6.418	228	407877	976.386	ng/ml	99
37)	Bis(2-ethylhexyl)phtha...	6.416	149	194001	798.190	ng/ml	100
39)	Benzo[b]fluoranthene	7.283	252	362589	980.793	ng/ml	98
40)	Benzo[k]fluoranthene	7.308	252	422560M1	1082.321	ng/ml	
41)	Benzo[a]pyrene	7.611	252	343068	1019.706	ng/ml	100
42)	Indeno[1,2,3-cd]pyrene	8.968	276	252954	720.479	ng/ml	98
43)	Dibenzo[a,h]anthracene	9.006	278	261012M6	777.960	ng/ml	
44)	Benzo[g,h,i]perylene	9.327	276	312375	866.845	ng/ml	99

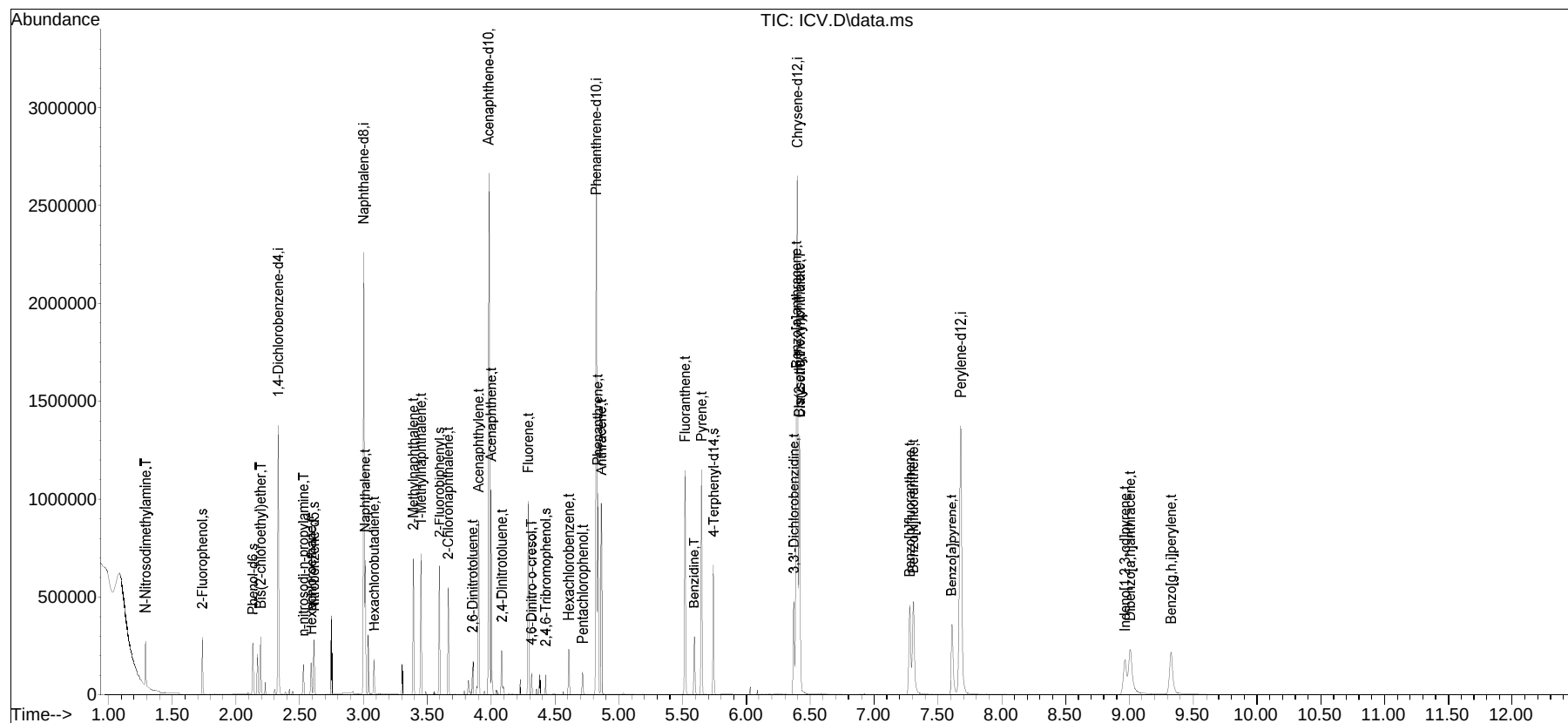
(#) = qualifier out of range (m) = manual integration (+) = signals summed

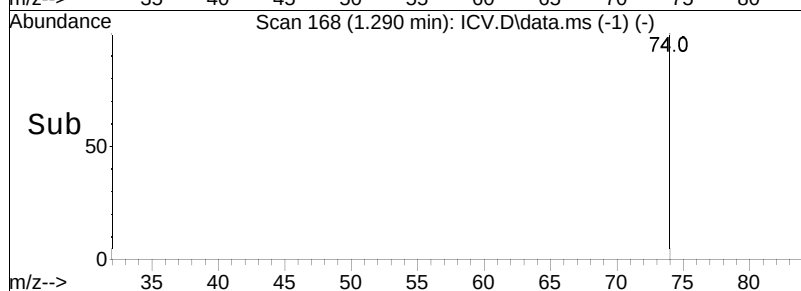
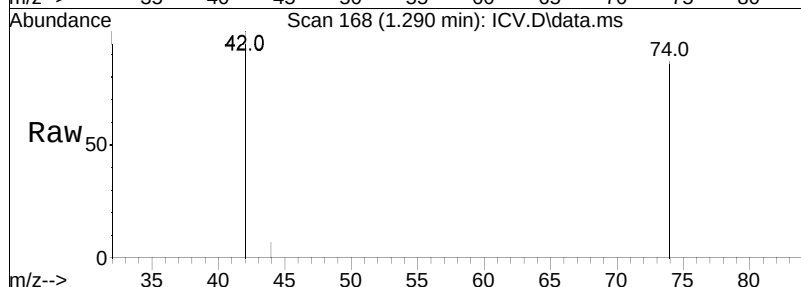
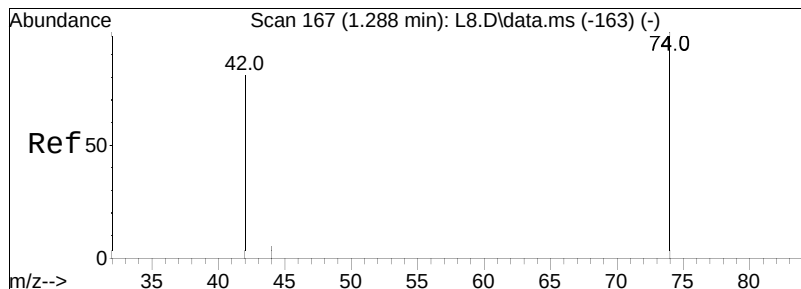
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250618RVTical\
 Data File : ICV.D
 Acq On : 18 Jun 2025 09:19 pm
 Operator : sv119:slr
 Sample : CQICV1,32,,1 Lot# 11696
 Misc : WG2080956,,ical
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 19 10:29:30 2025
 Quant Method : I:\8270SIM\sv119\250618RVTical\SIM-RVT_250618_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Jun 19 10:23:45 2025
 Response via : Initial Calibration

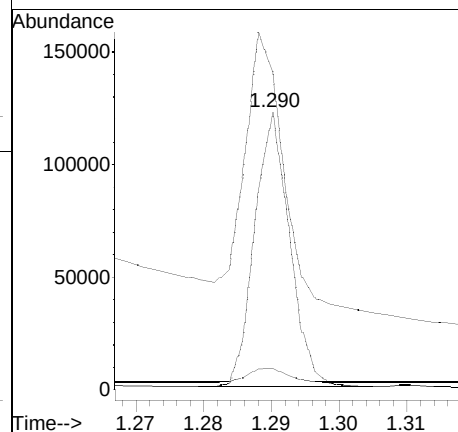
Sub List : Default - All compounds listedical\L8.D•

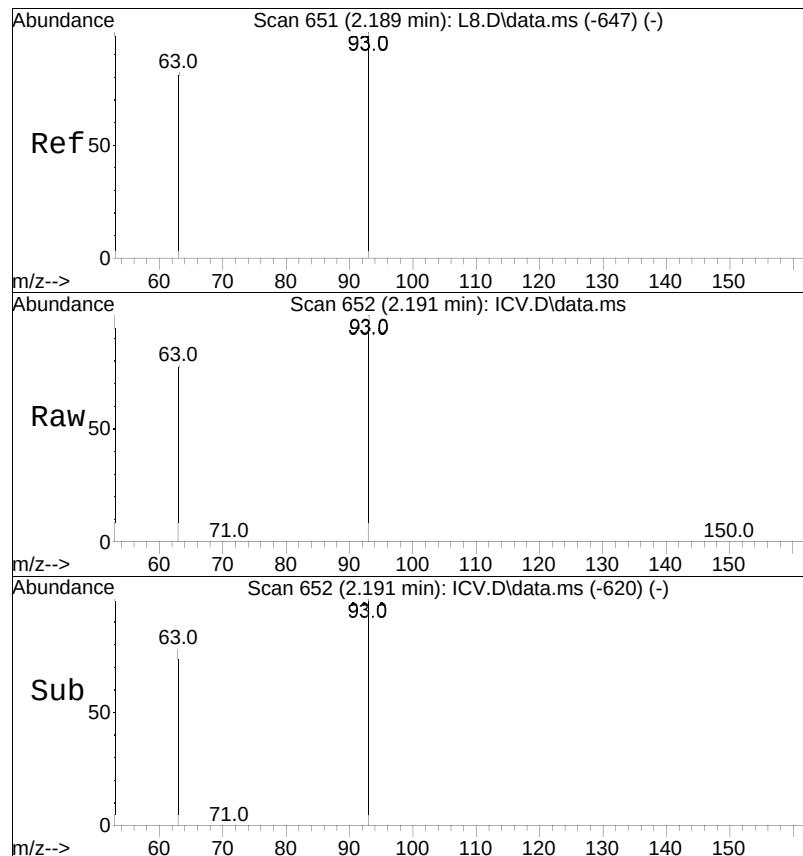




#2
 N-Nitrosodimethylamine
 Concen: 986.60 ng/mL
 RT: 1.290 min Scan# 168
 Delta R.T. 0.002 min
 Lab File: ICV.D
 Acq: 18 Jun 2025 09:19 pm

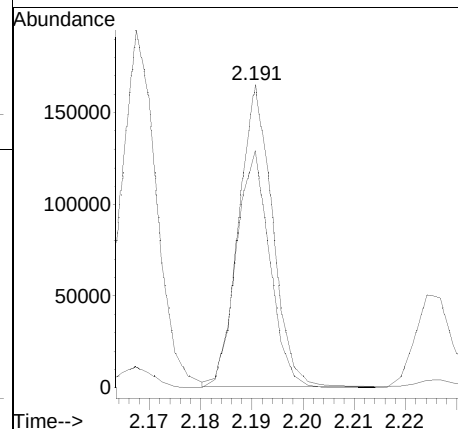
Tgt Ion	Ratio	Lower	Upper
74	100		
42	378.3	293.4	440.0
44	5.3	4.3	6.5

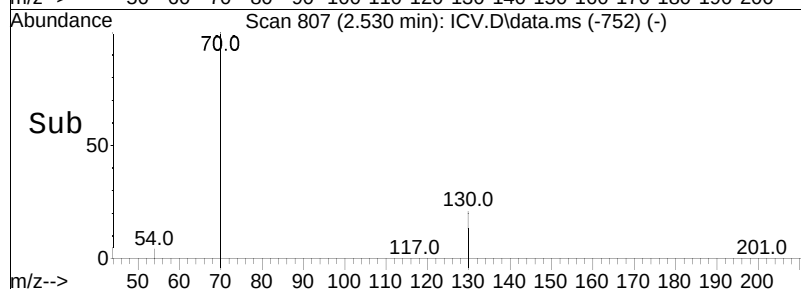
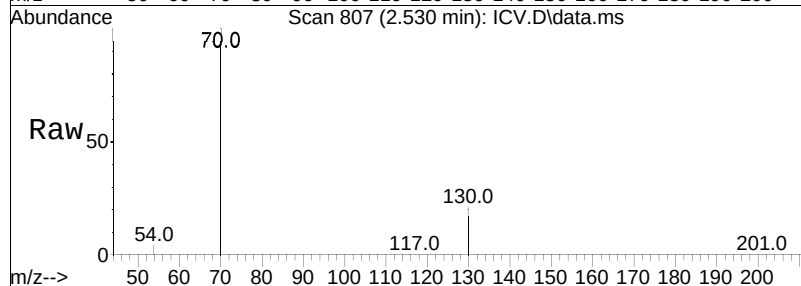
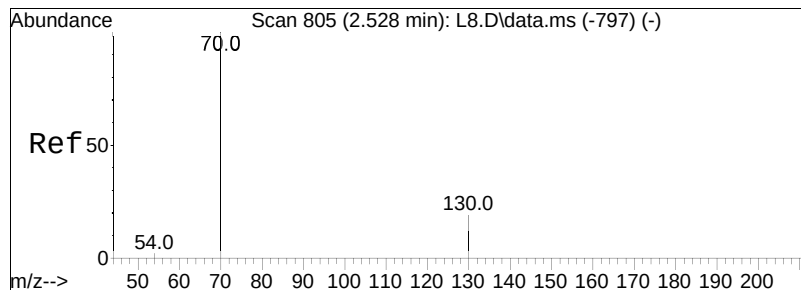




#5
 Bis(2-chloroethyl)ether
 Concen: 957.94 ng/ml
 RT: 2.191 min Scan# 652
 Delta R.T. 0.002 min
 Lab File: ICV.D
 Acq: 18 Jun 2025 09:19 pm

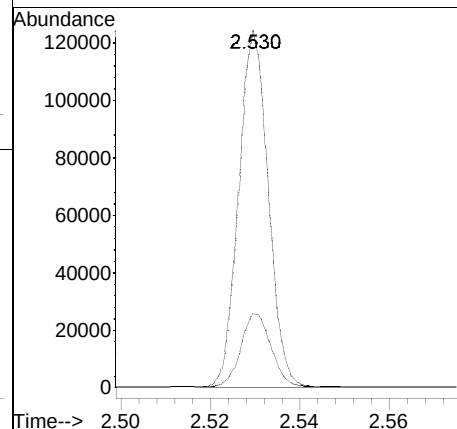
Tgt	Ion	Ratio	Lower	Upper
93	100			
63	79.0	62.9	94.3	

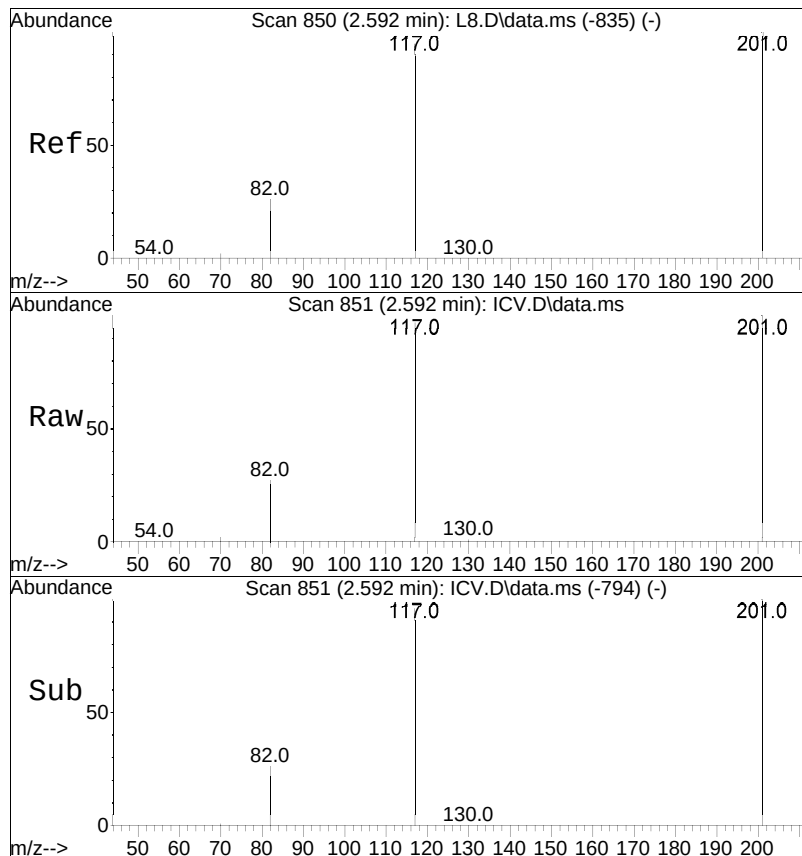




#6
 n-nitrosodi-n-propylamine
 Concen: 959.43 ng/ml
 RT: 2.530 min Scan# 807
 Delta R.T. 0.002 min
 Lab File: ICV.D
 Acq: 18 Jun 2025 09:19 pm

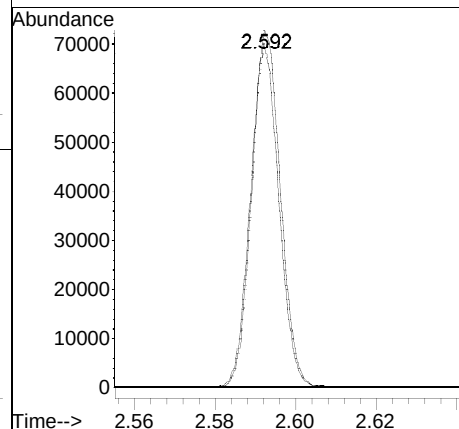
Tgt Ion	Ratio	Lower	Upper
70	100		
130	20.6	16.4	24.6

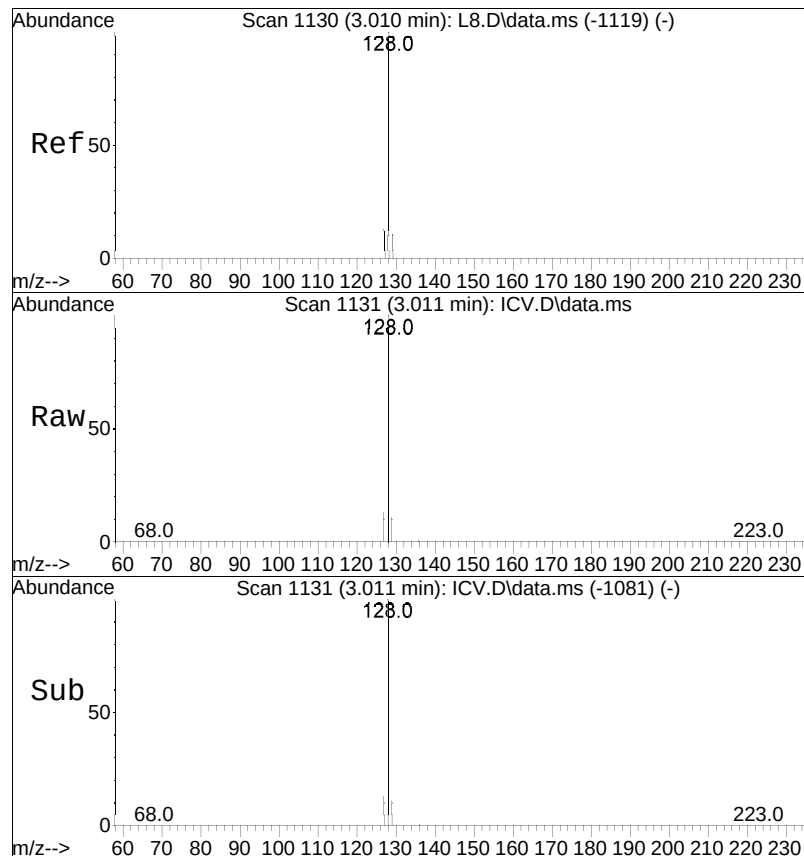




#7
 Hexachloroethane
 Concen: 957.77 ng/ml
 RT: 2.592 min Scan# 851
 Delta R.T. 0.000 min
 Lab File: ICV.D
 Acq: 18 Jun 2025 09:19 pm

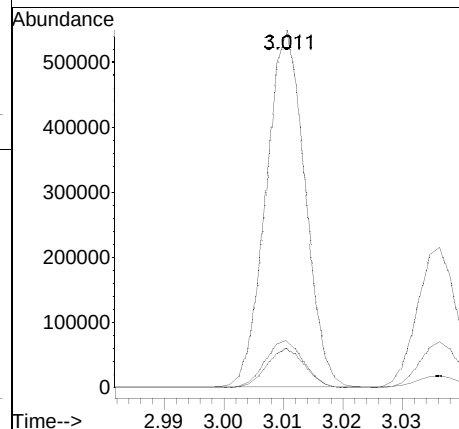
Tgt Ion	Ratio	Lower	Upper
117	100		
201	105.1	82.9	124.3

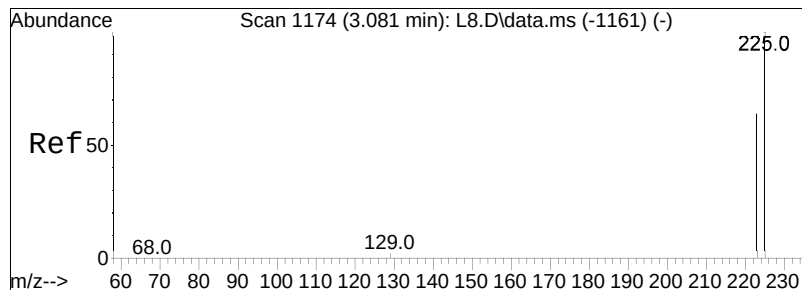




#10
 Naphthalene
 Concen: 949.76 ng/ml
 RT: 3.011 min Scan# 1131
 Delta R.T. 0.001 min
 Lab File: ICV.D
 Acq: 18 Jun 2025 09:19 pm

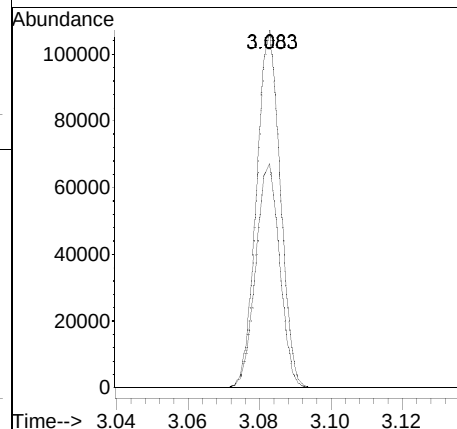
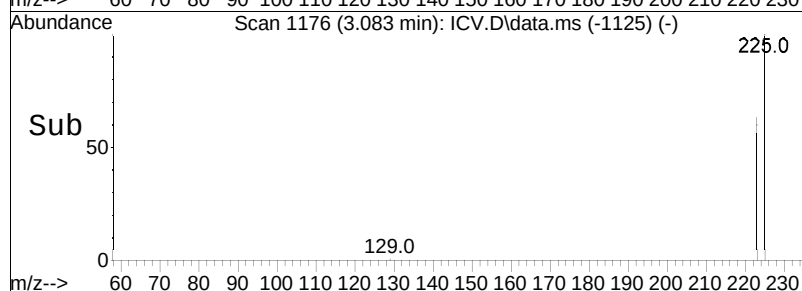
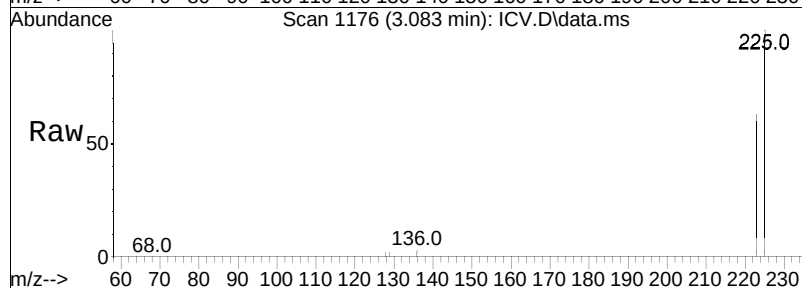
Tgt	Ion:128	Resp:	246391
Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	13.2	10.6	15.8

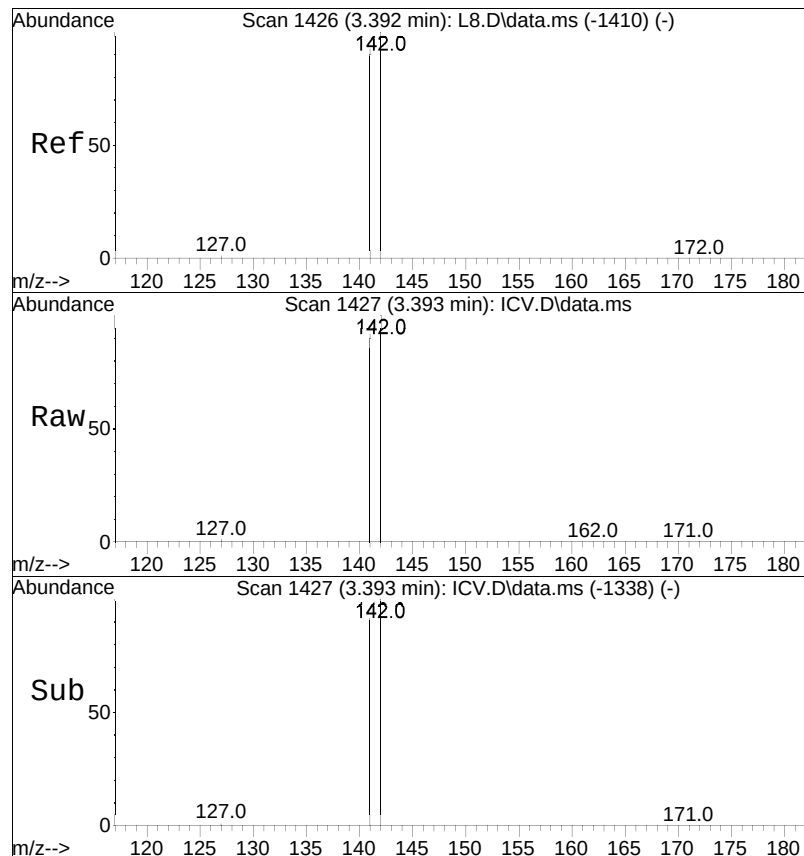




#11
 Hexachlorobutadiene
 Concen: 947.30 ng/ml
 RT: 3.083 min Scan# 1176
 Delta R.T. 0.002 min
 Lab File: ICV.D
 Acq: 18 Jun 2025 09:19 pm

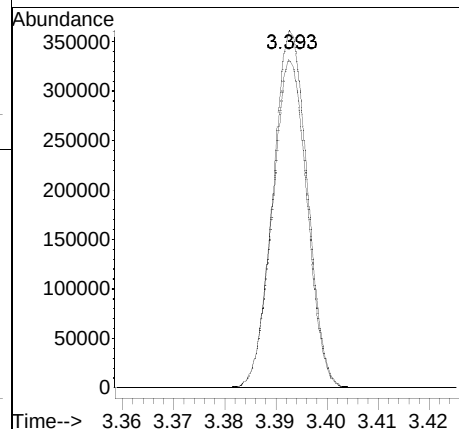
Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.0	50.2	75.4

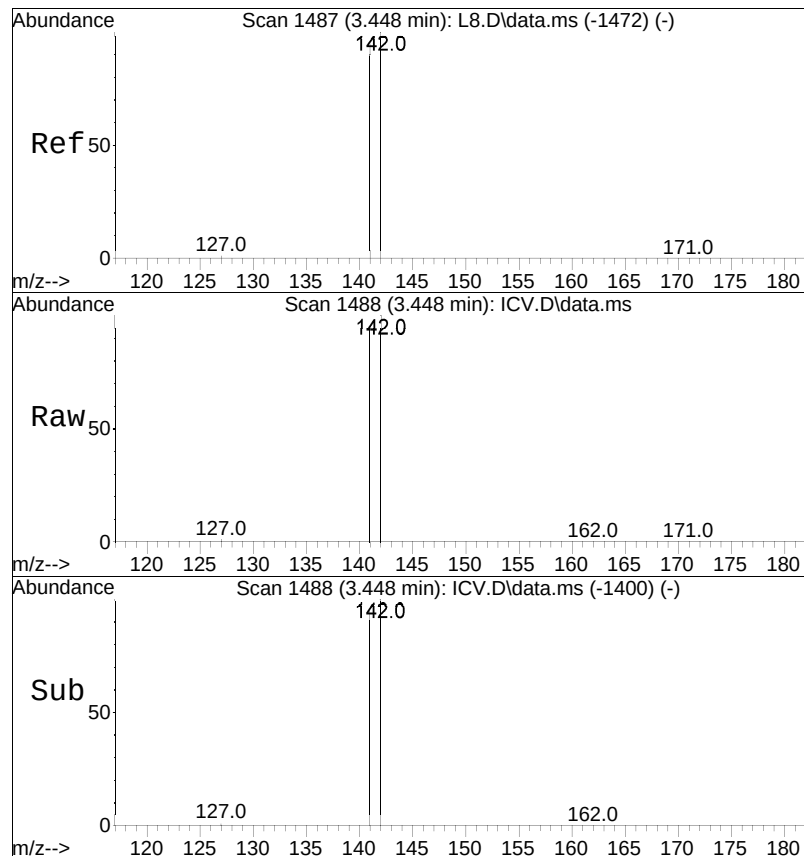




#12
 2-Methylnaphthalene
 Concen: 966.00 ng/ml
 RT: 3.393 min Scan# 1427
 Delta R.T. 0.001 min
 Lab File: ICV.D
 Acq: 18 Jun 2025 09:19 pm

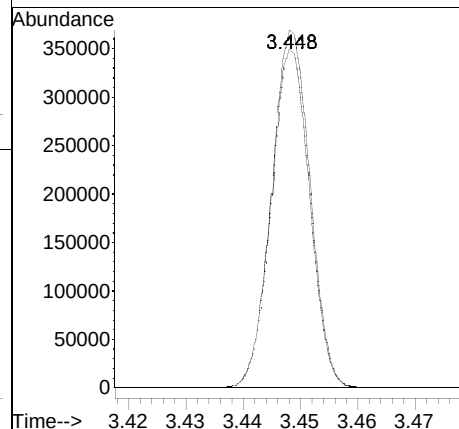
Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.1	73.6	110.4

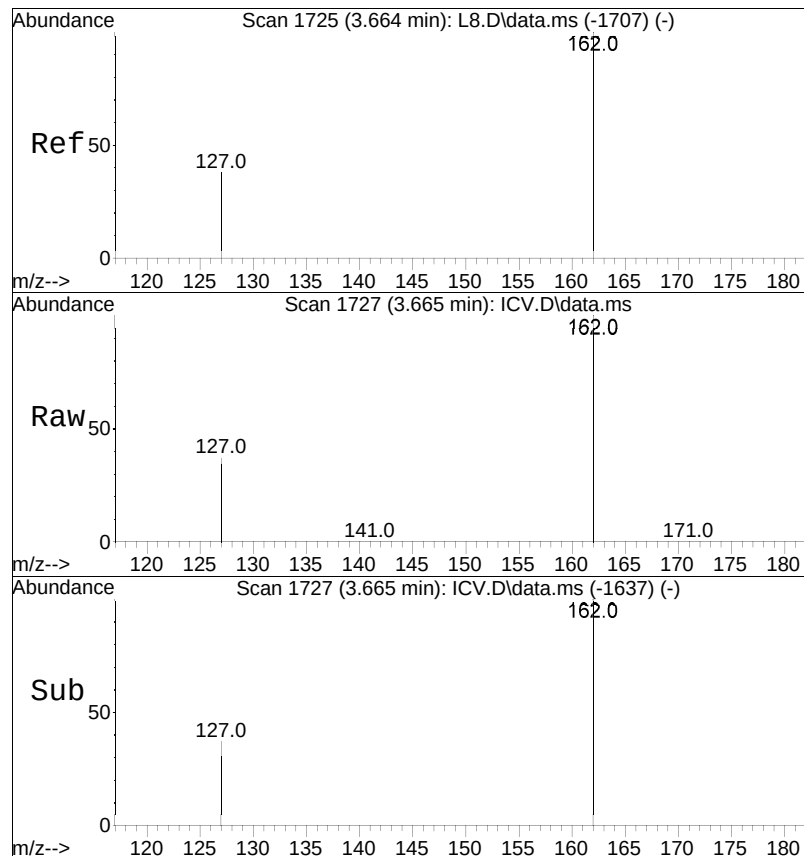




#13
 1-Methylnaphthalene
 Concen: 952.25 ng/ml
 RT: 3.448 min Scan# 1488
 Delta R.T. 0.000 min
 Lab File: ICV.D
 Acq: 18 Jun 2025 09:19 pm

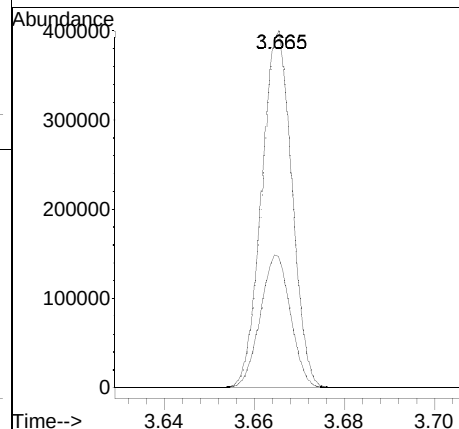
Tgt Ion	Ratio	Lower	Upper
142	100		
141	95.0	76.0	114.0

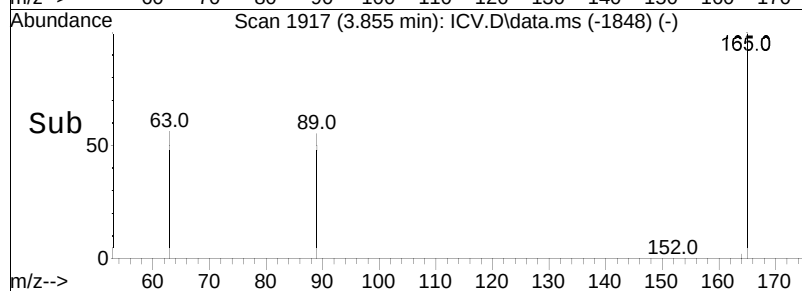
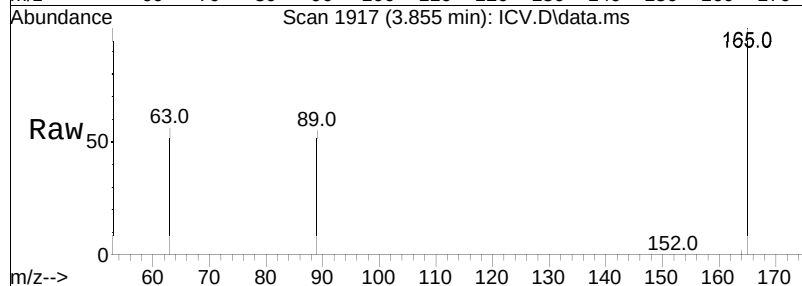
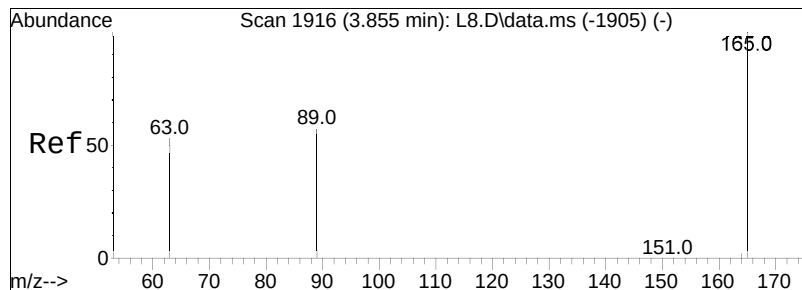




#15
 2-Chloronaphthalene
 Concen: 950.32 ng/ml
 RT: 3.665 min Scan# 1727
 Delta R.T. 0.001 min
 Lab File: ICV.D
 Acq: 18 Jun 2025 09:19 pm

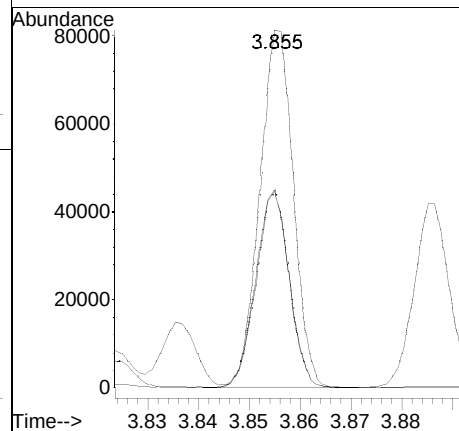
Tgt Ion	Ratio	Lower	Upper
162	100		
127	37.3	29.8	44.8

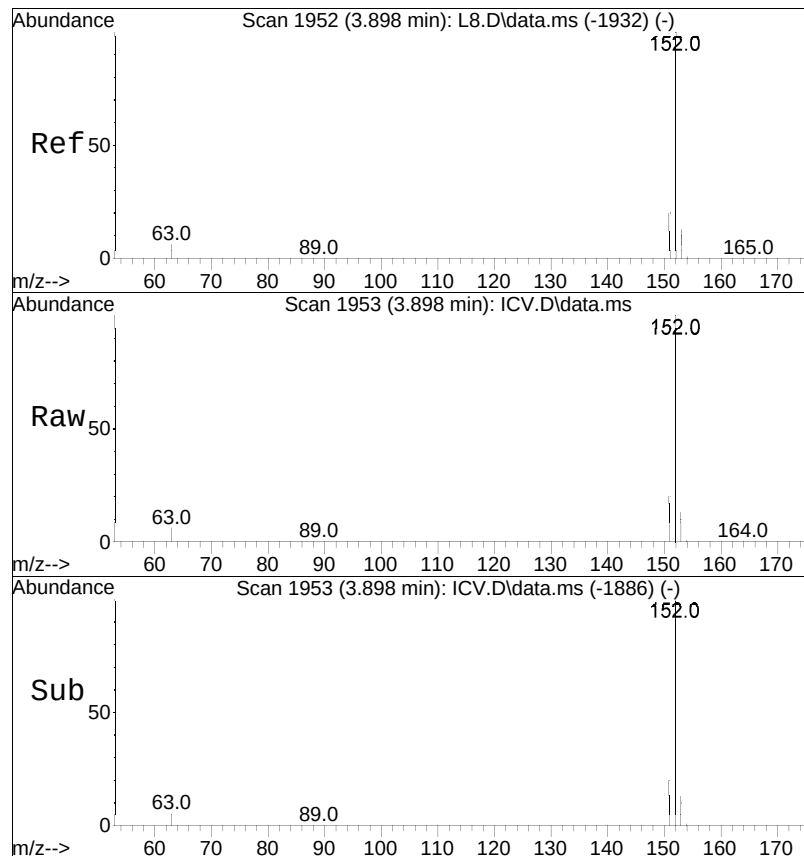




#16
 2,6-Dinitrotoluene
 Concen: 944.98 ng/ml
 RT: 3.855 min Scan# 1917
 Delta R.T. -0.000 min
 Lab File: ICV.D
 Acq: 18 Jun 2025 09:19 pm

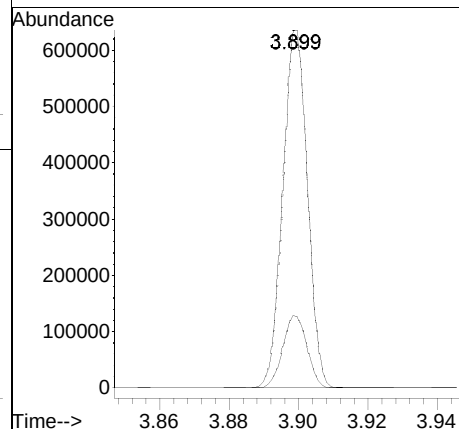
Tgt Ion:	165	Resp:	37081
Ion Ratio	Lower	Upper	
165	100		
89	54.0	45.6	68.4
63	54.6	45.4	68.2

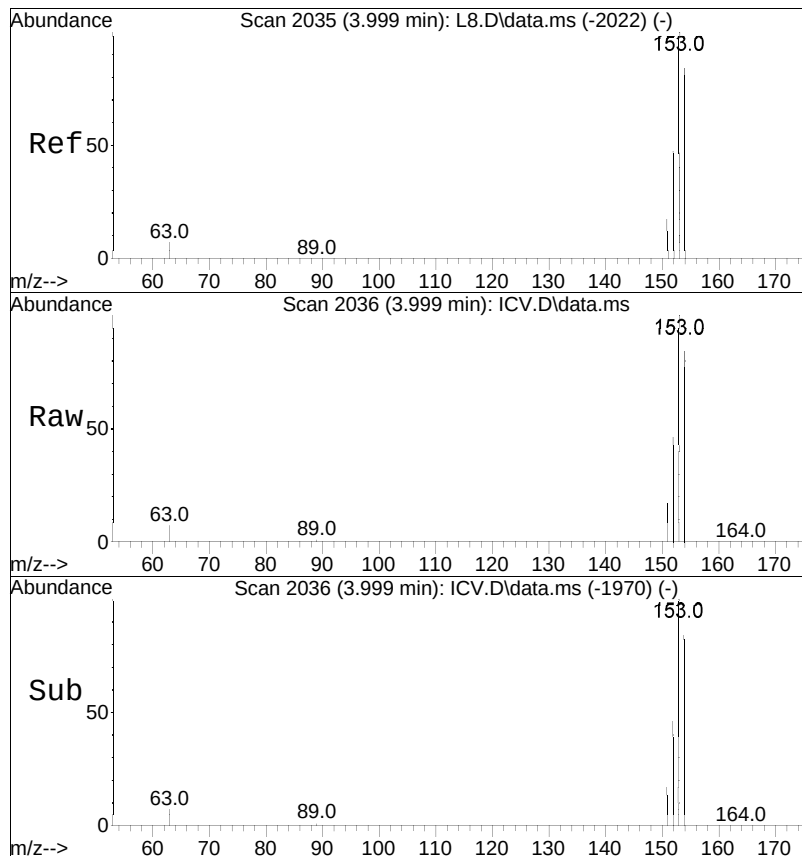




#17
 Acenaphthylene
 Concen: 962.84 ng/ml
 RT: 3.898 min Scan# 1953
 Delta R.T. 0.000 min
 Lab File: ICV.D
 Acq: 18 Jun 2025 09:19 pm

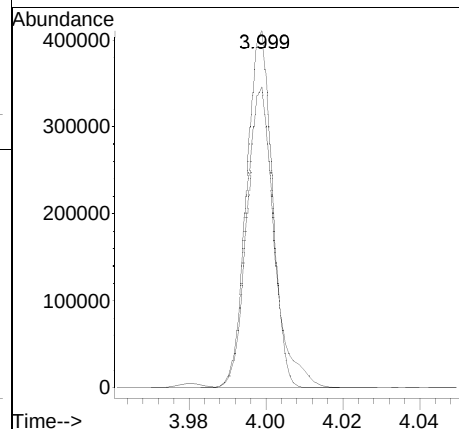
Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.2	24.2

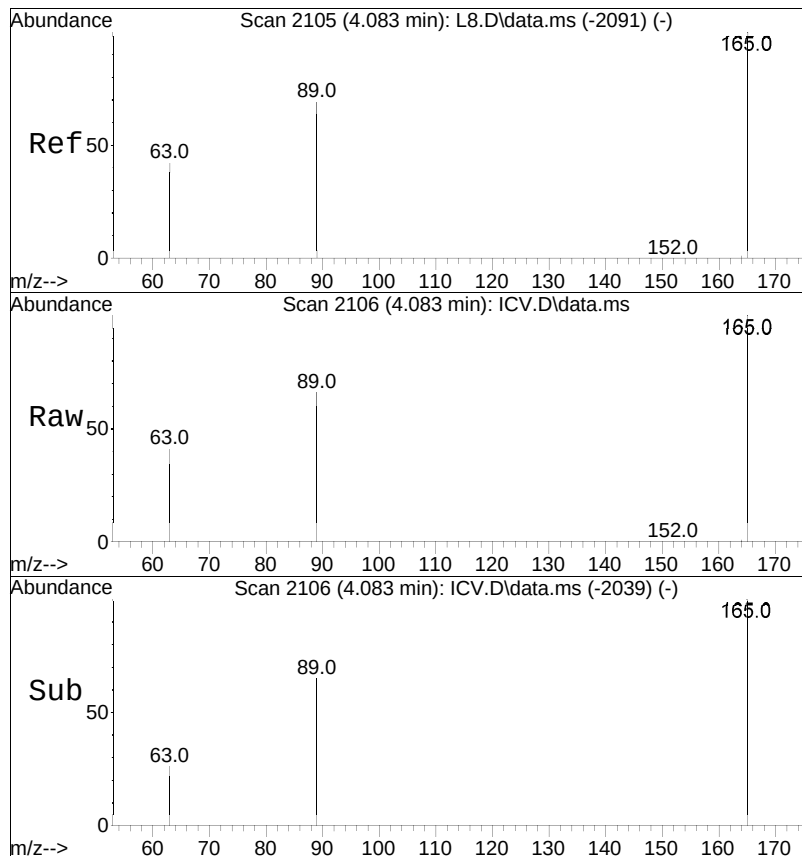




#19
 Acenaphthene
 Concen: 956.12 ng/ml
 RT: 3.999 min Scan# 2036
 Delta R.T. -0.000 min
 Lab File: ICV.D
 Acq: 18 Jun 2025 09:19 pm

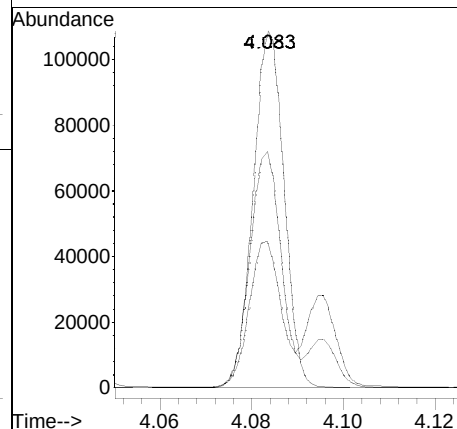
Tgt Ion	Ratio	Lower	Upper
153	100		
154	90.6	72.0	108.0

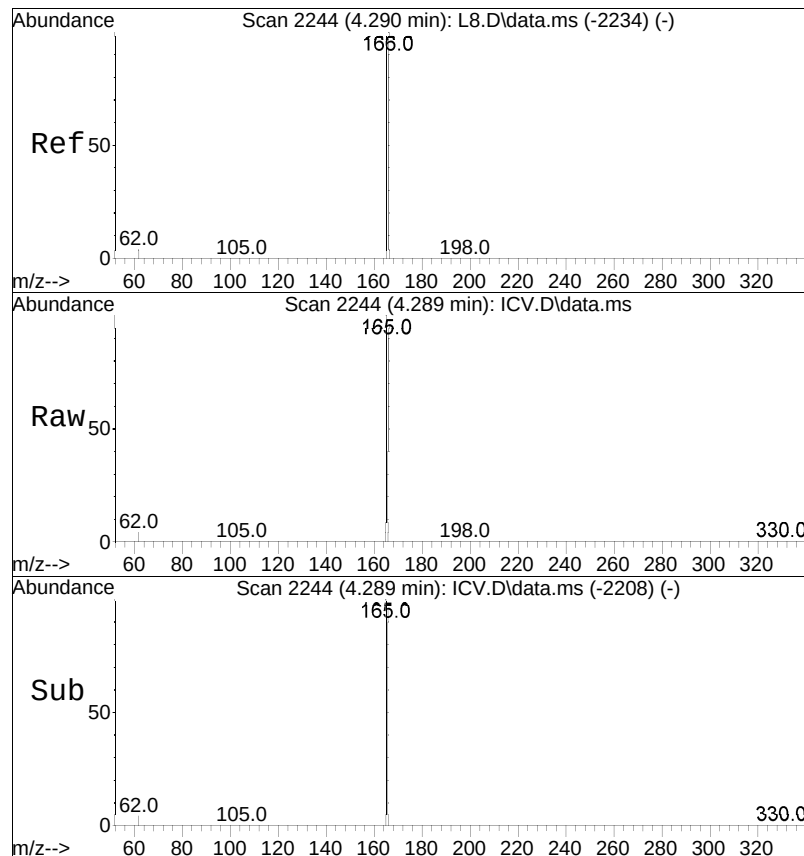




#20
 2,4-Dinitrotoluene
 Concen: 963.84 ng/ml
 RT: 4.083 min Scan# 2106
 Delta R.T. 0.000 min
 Lab File: ICV.D
 Acq: 18 Jun 2025 09:19 pm

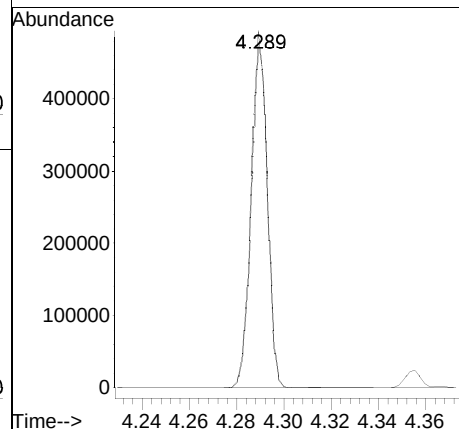
Tgt Ion:	165	Resp:	50216
Ion Ratio	Lower	Upper	
165	100		
89	67.6	56.6	85.0
63	42.6	35.0	52.6

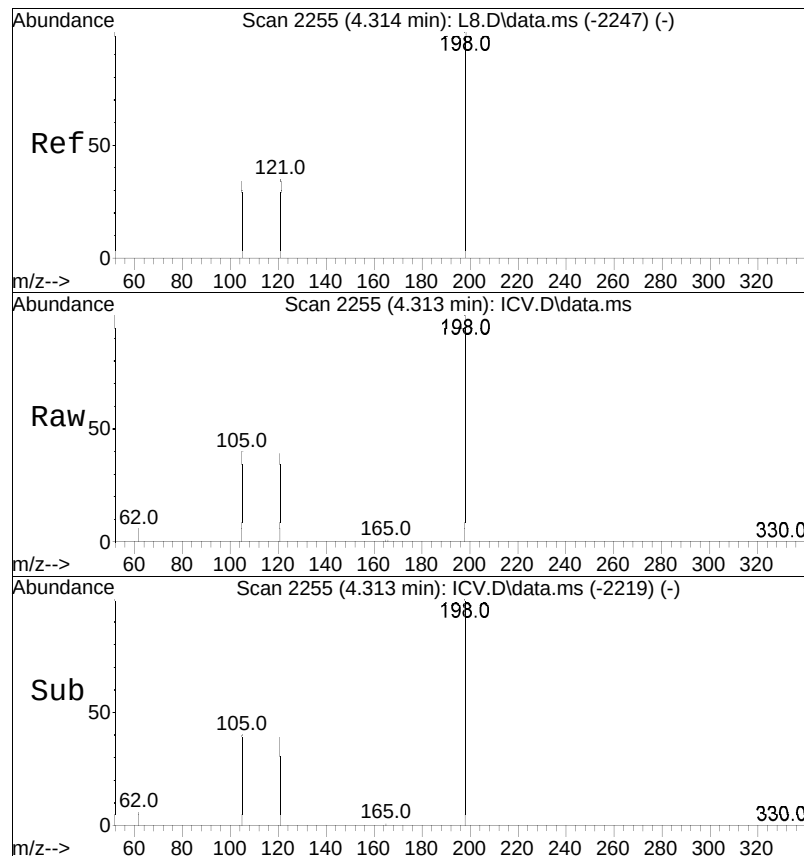




#21
 Fluorene
 Concen: 966.63 ng/ml
 RT: 4.289 min Scan# 2244
 Delta R.T. -0.001 min
 Lab File: ICV.D
 Acq: 18 Jun 2025 09:19 pm

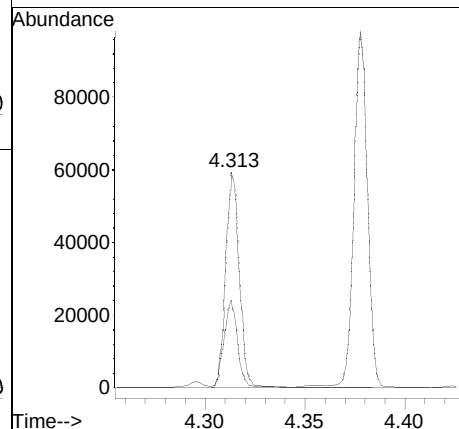
Tgt Ion	Ratio	Lower	Upper
166	100		
165	102.0	81.5	122.3

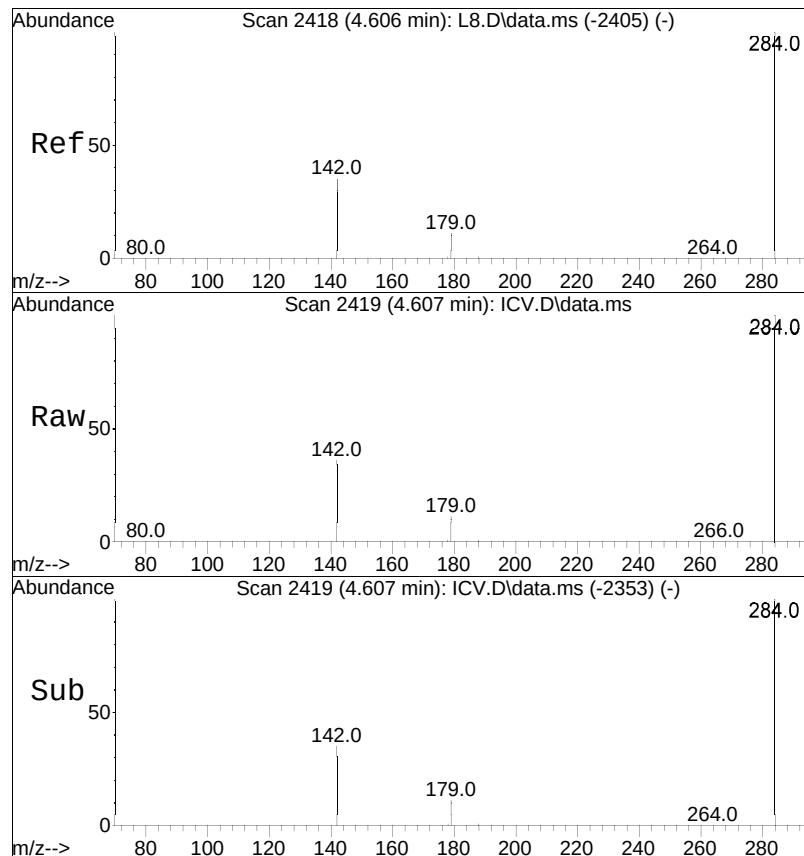




#24
 4,6-Dinitro-o-cresol
 Concen: 996.61 ng/ml
 RT: 4.313 min Scan# 2255
 Delta R.T. -0.001 min
 Lab File: ICV.D
 Acq: 18 Jun 2025 09:19 pm

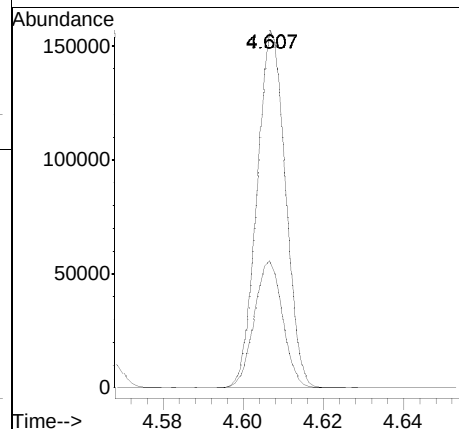
Tgt Ion	Ratio	Lower	Upper
198	100		
105	39.1	32.1	48.1

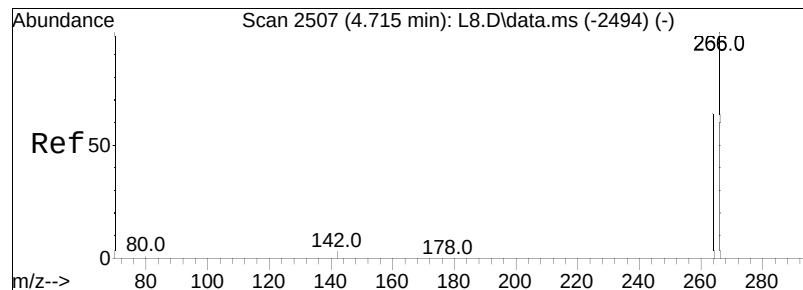




#25
 Hexachlorobenzene
 Concen: 951.45 ng/ml
 RT: 4.607 min Scan# 2419
 Delta R.T. 0.001 min
 Lab File: ICV.D
 Acq: 18 Jun 2025 09:19 pm

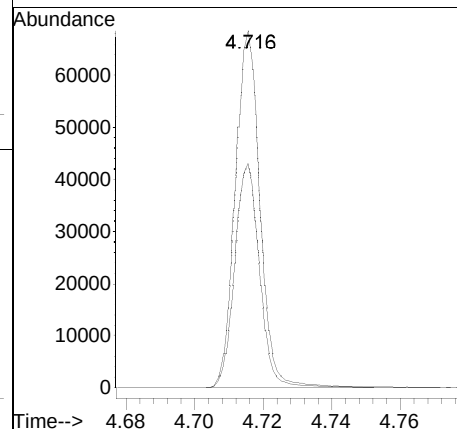
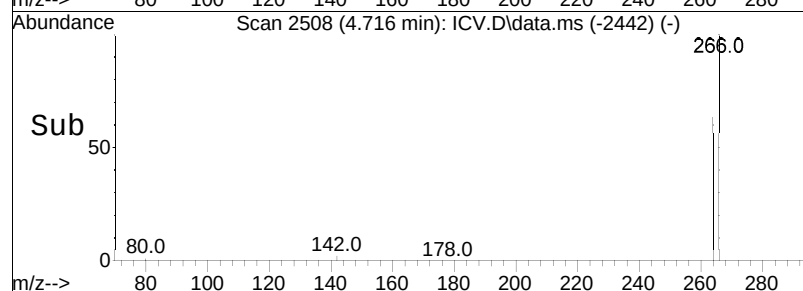
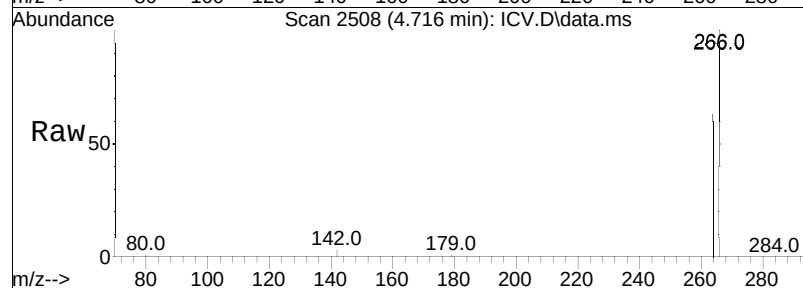
Tgt Ion	Ratio	Lower	Upper
284	100		
142	35.5	28.8	43.2

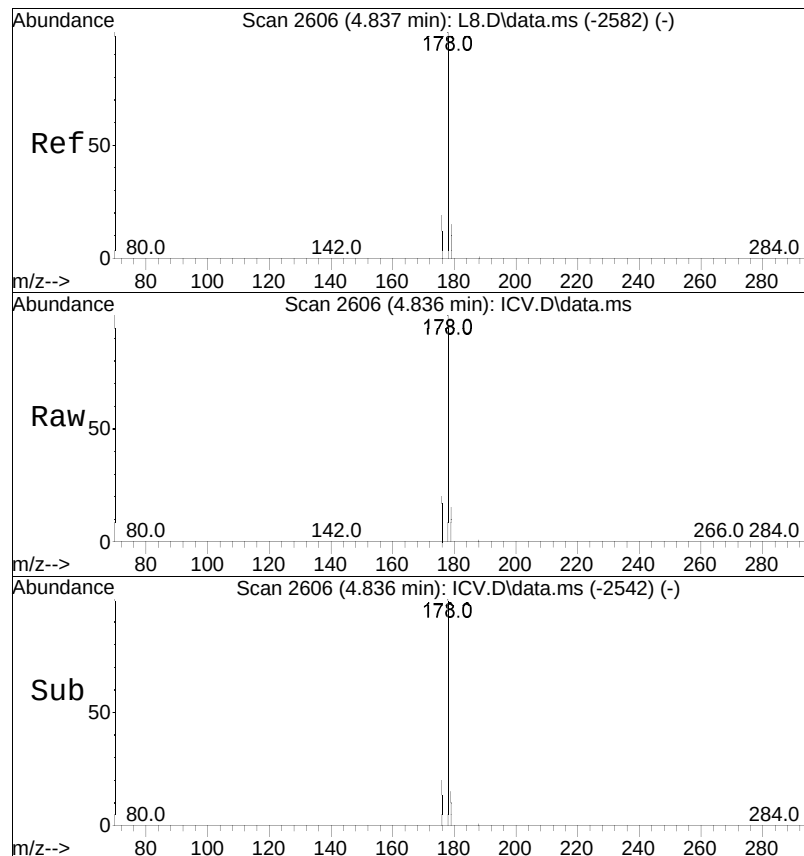




#26
 Pentachlorophenol
 Concen: 941.67 ng/ml
 RT: 4.716 min Scan# 2508
 Delta R.T. 0.001 min
 Lab File: ICV.D
 Acq: 18 Jun 2025 09:19 pm

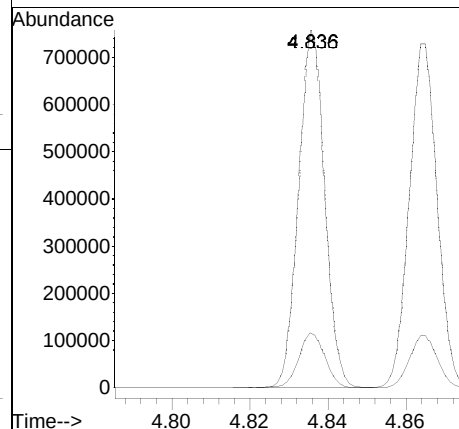
Tgt Ion	Ratio	Lower	Upper
266	100		
264	63.2	50.6	76.0

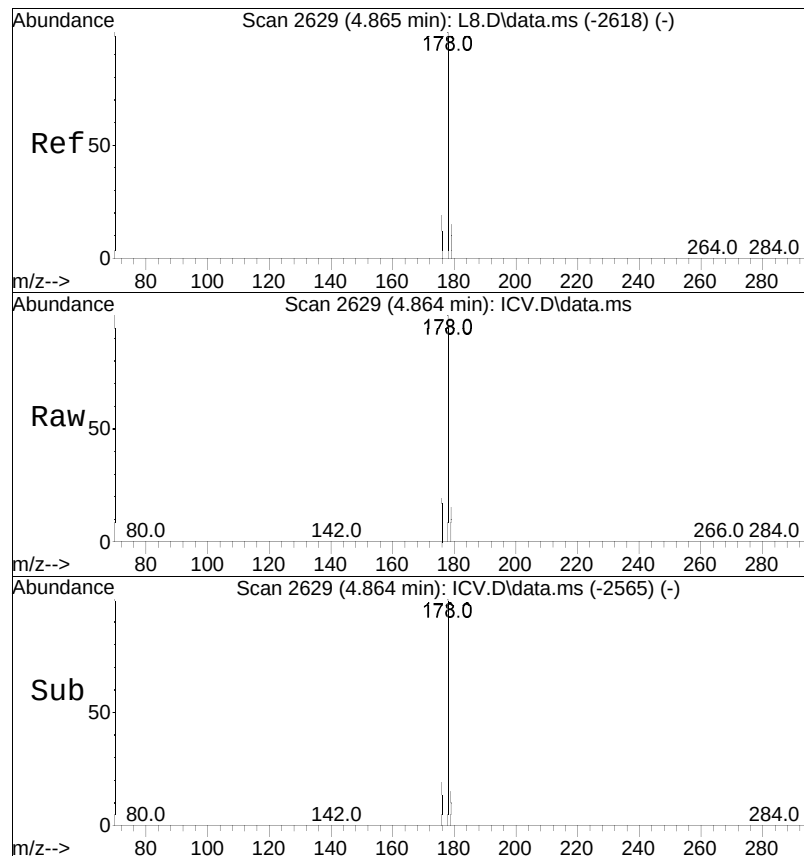




#27
 Phenanthrene
 Concen: 915.24 ng/ml
 RT: 4.836 min Scan# 2606
 Delta R.T. -0.001 min
 Lab File: ICV.D
 Acq: 18 Jun 2025 09:19 pm

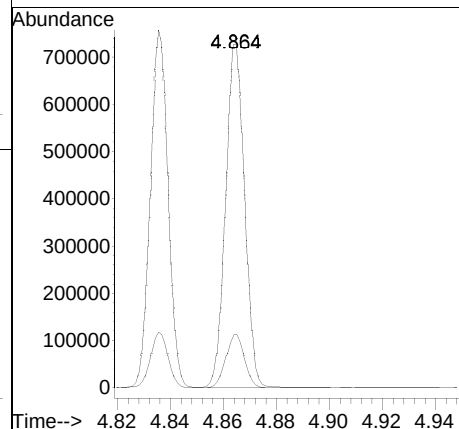
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.4	18.6

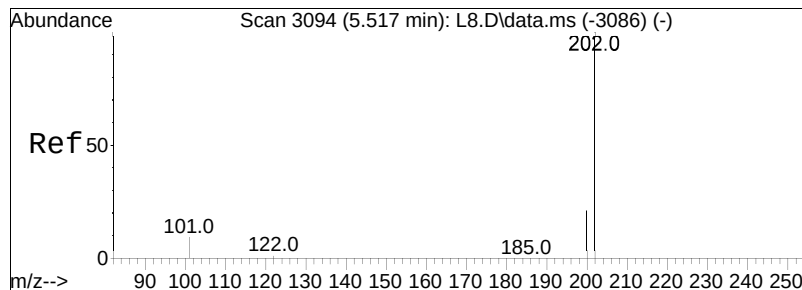




#28
 Anthracene
 Concen: 965.76 ng/ml
 RT: 4.864 min Scan# 2629
 Delta R.T. -0.001 min
 Lab File: ICV.D
 Acq: 18 Jun 2025 09:19 pm

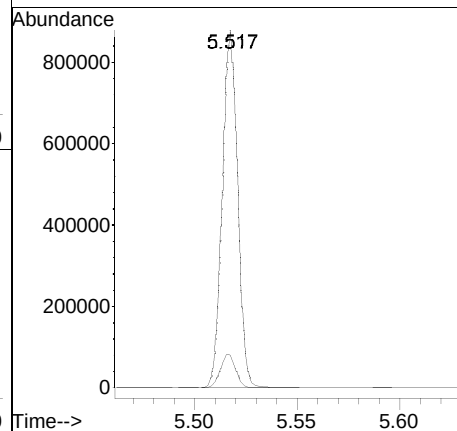
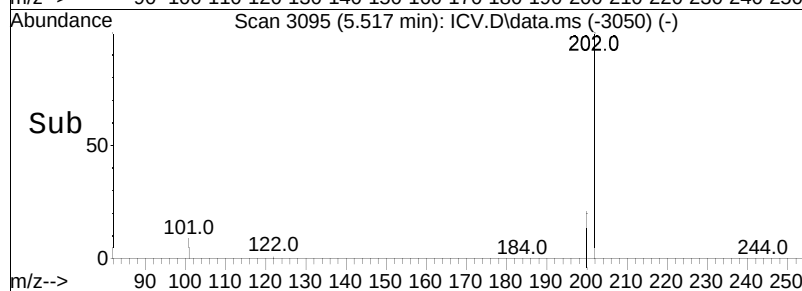
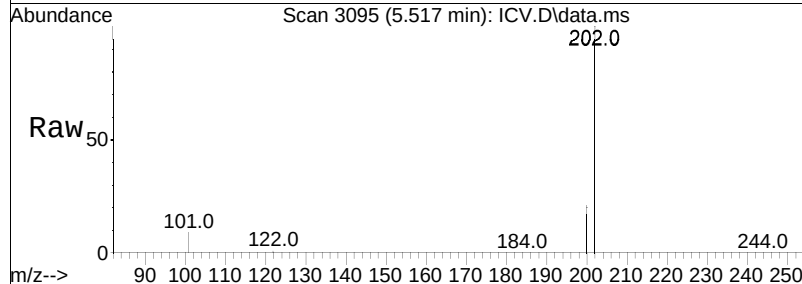
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.1	12.2	18.2

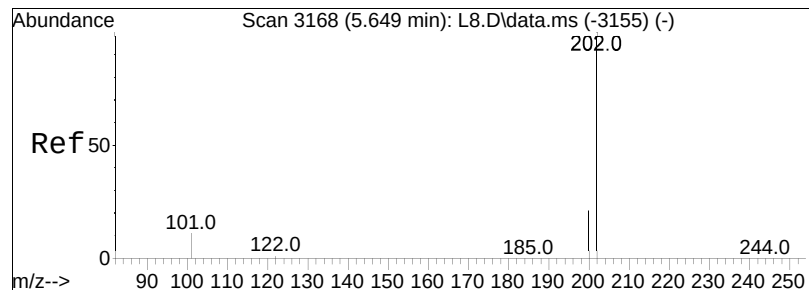




#29
 Fluoranthene
 Concen: 958.49 ng/ml
 RT: 5.517 min Scan# 3095
 Delta R.T. 0.000 min
 Lab File: ICV.D
 Acq: 18 Jun 2025 09:19 pm

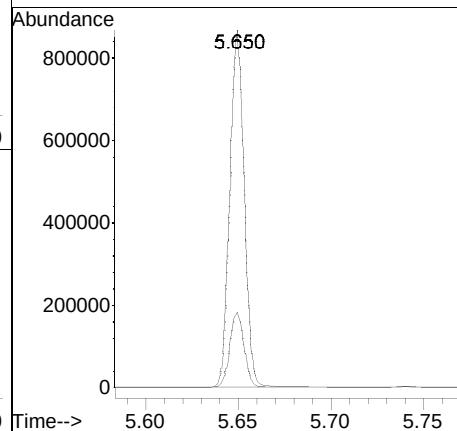
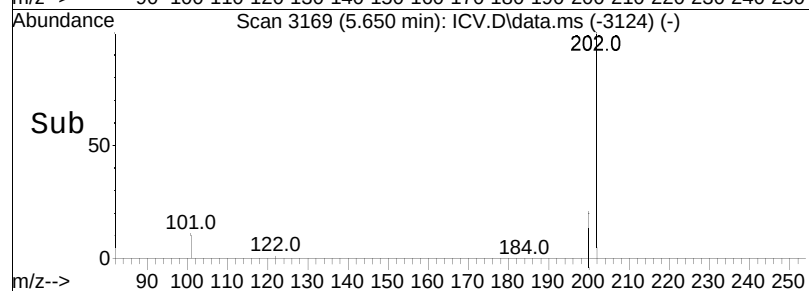
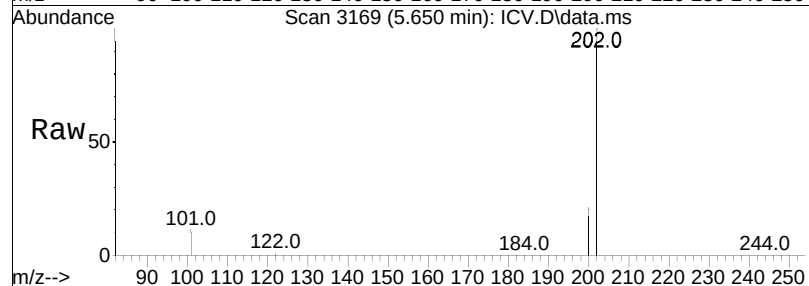
Tgt Ion	Ratio	Lower	Upper
202	100		
101	9.4	7.5	11.3

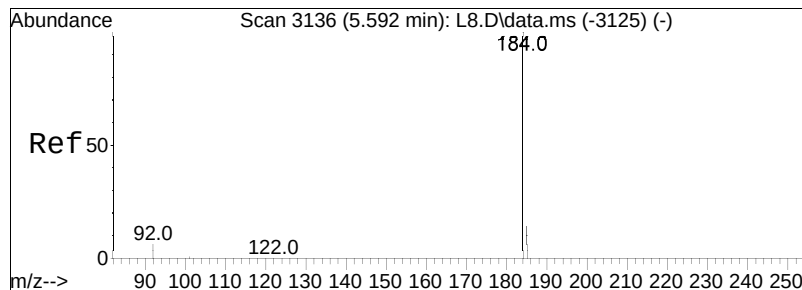




#30
 Pyrene
 Concen: 951.93 ng/ml
 RT: 5.650 min Scan# 3169
 Delta R.T. 0.001 min
 Lab File: ICV.D
 Acq: 18 Jun 2025 09:19 pm

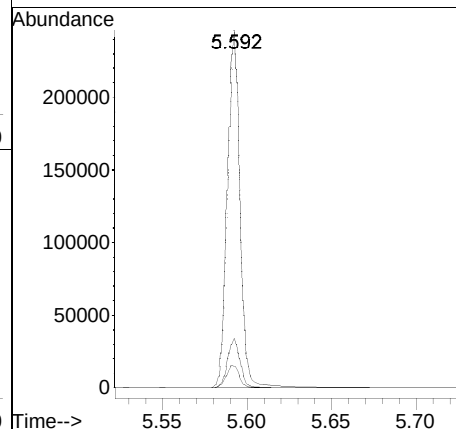
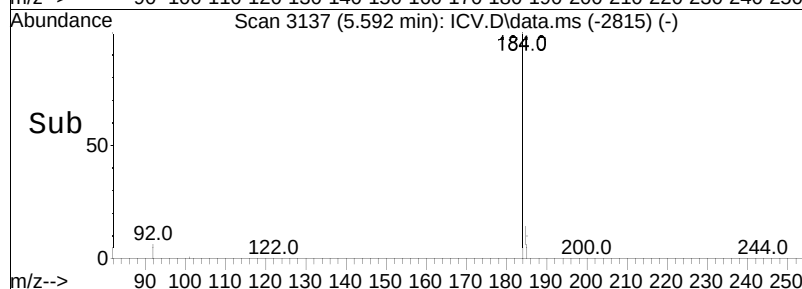
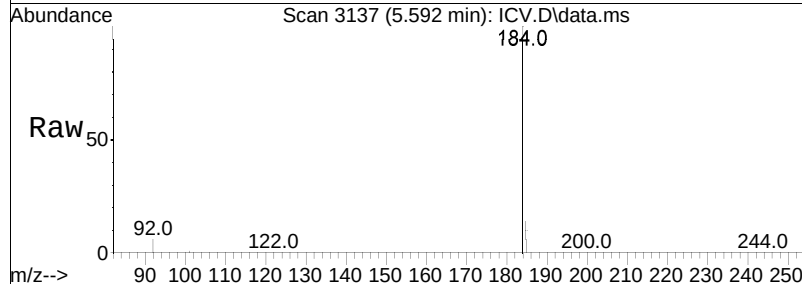
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.0	25.4

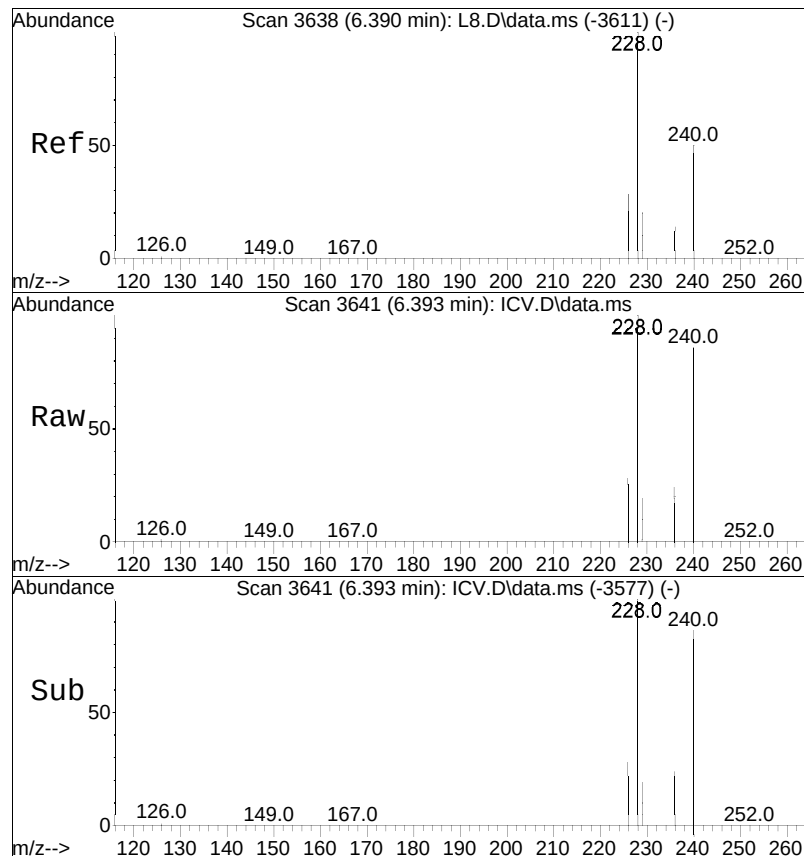




#31
Benzidine
Concen: 715.84 ng/mL
RT: 5.592 min Scan# 3137
Delta R.T. 0.000 min
Lab File: ICV.D
Acq: 18 Jun 2025 09:19 pm

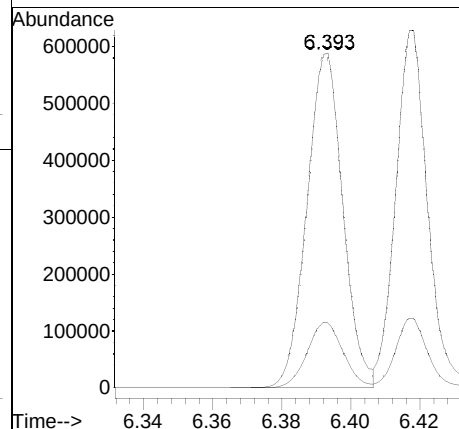
Tgt Ion	Ratio	Lower	Upper
184	100		
92	6.5	5.2	7.8
185	13.9	11.2	16.8

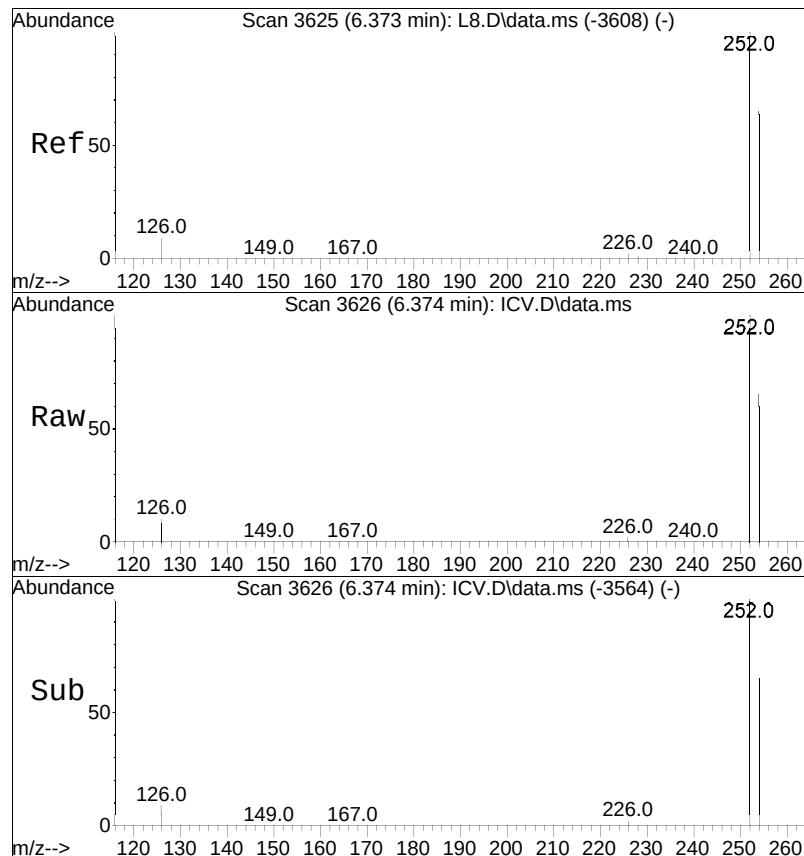




#34
 Benzo[a]anthracene
 Concen: 950.93 ng/ml
 RT: 6.393 min Scan# 3641
 Delta R.T. 0.003 min
 Lab File: ICV.D
 Acq: 18 Jun 2025 09:19 pm

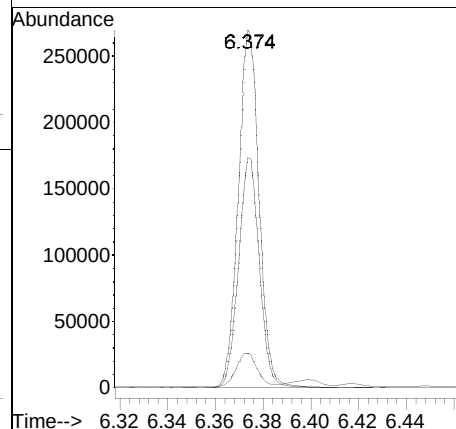
Tgt	Ion	Ratio	Lower	Upper
228	100			
229	19.6	15.8	23.6	

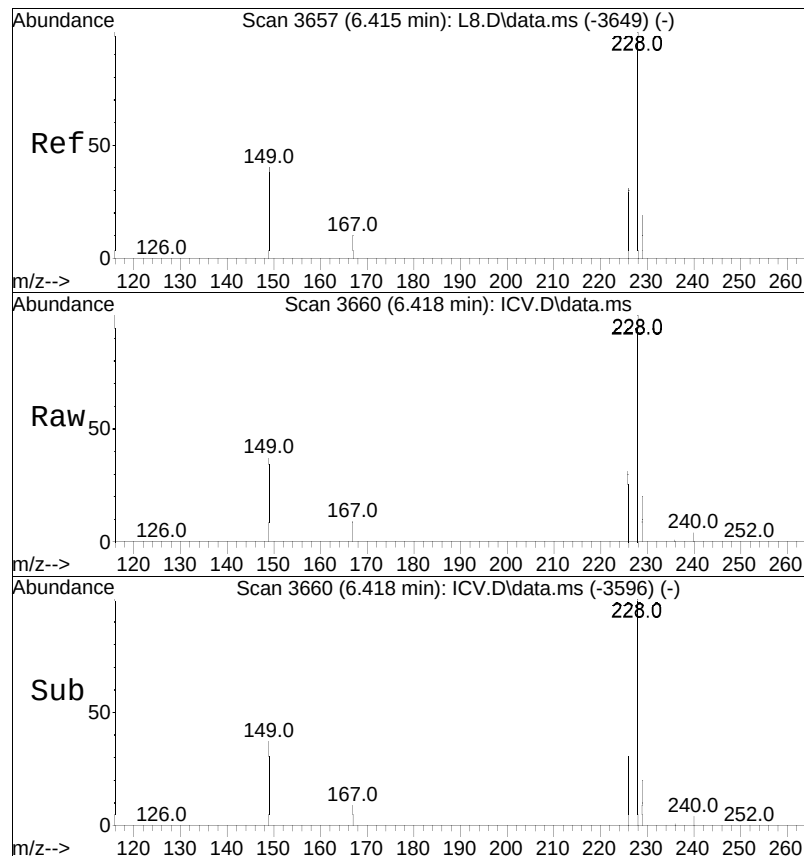




#35
 3,3'-Dichlorobenzidine
 Concen: 966.71 ng/ml
 RT: 6.374 min Scan# 3626
 Delta R.T. 0.001 min
 Lab File: ICV.D
 Acq: 18 Jun 2025 09:19 pm

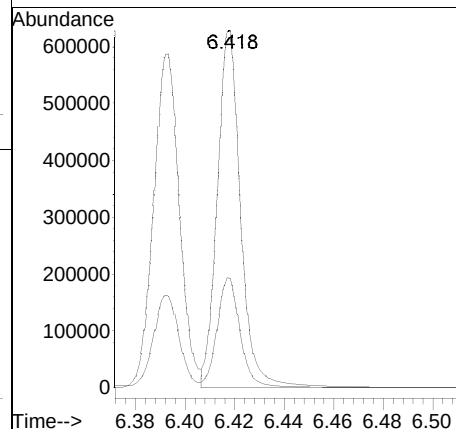
Tgt Ion	Ratio	Lower	Upper
252	100		
126	9.5	7.7	11.5
254	64.4	51.8	77.6

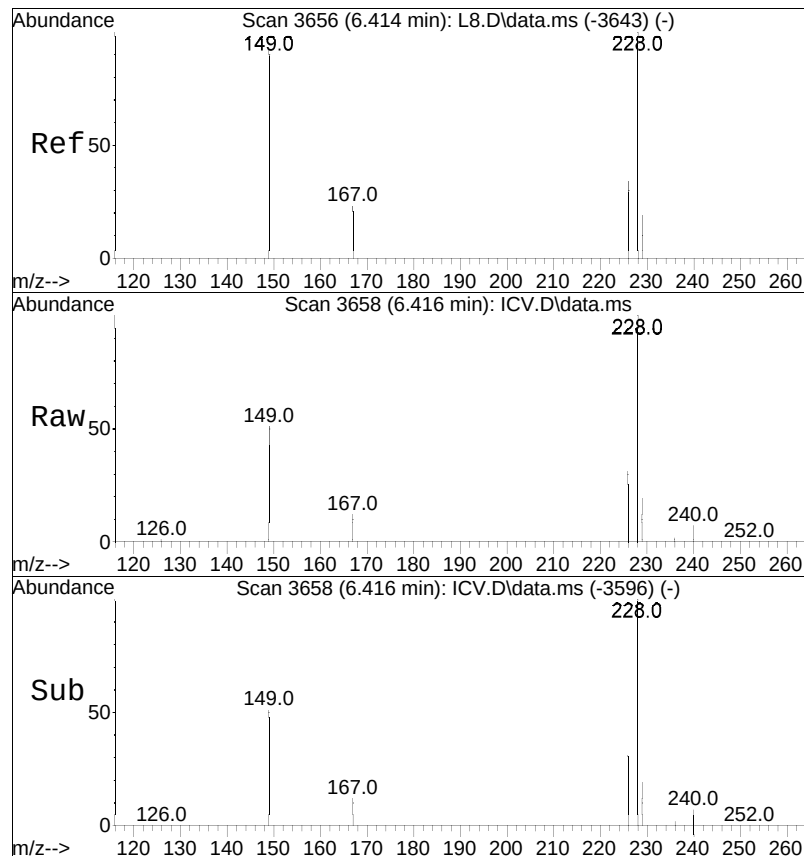




#36
 Chrysene
 Concen: 976.39 ng/ml
 RT: 6.418 min Scan# 3660
 Delta R.T. 0.003 min
 Lab File: ICV.D
 Acq: 18 Jun 2025 09:19 pm

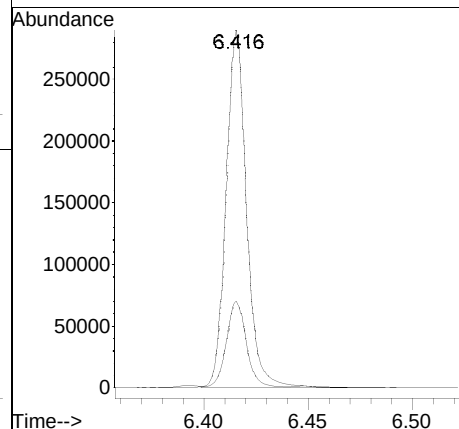
Tgt Ion	Ratio	Lower	Upper
228	100		
226	31.1	24.6	37.0

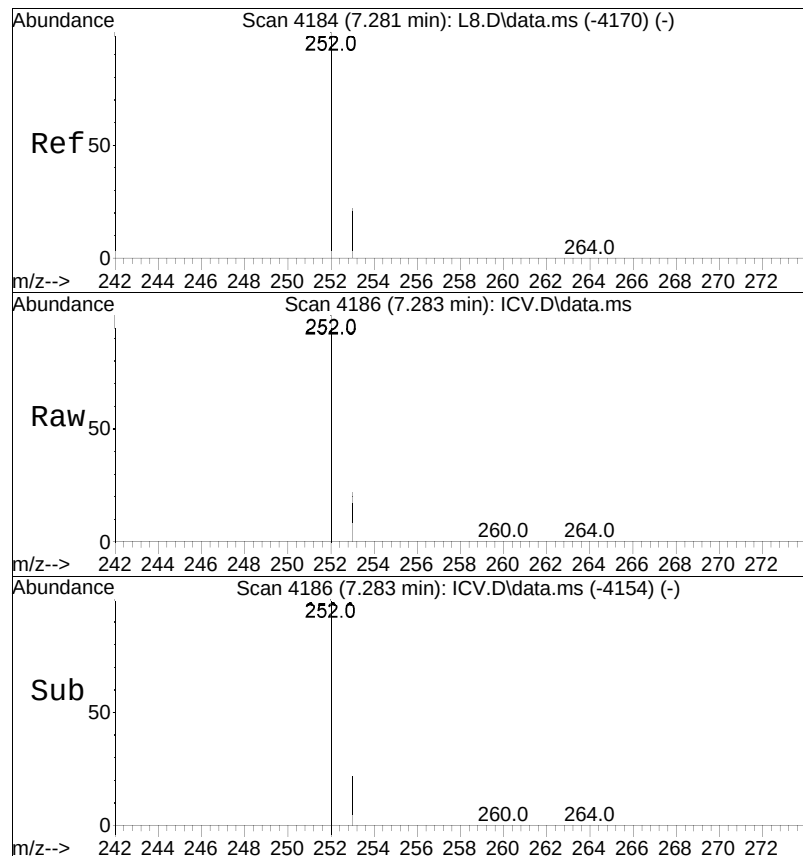




#37
 Bis(2-ethylhexyl)phthalate
 Concen: 798.19 ng/ml
 RT: 6.416 min Scan# 3658
 Delta R.T. 0.002 min
 Lab File: ICV.D
 Acq: 18 Jun 2025 09:19 pm

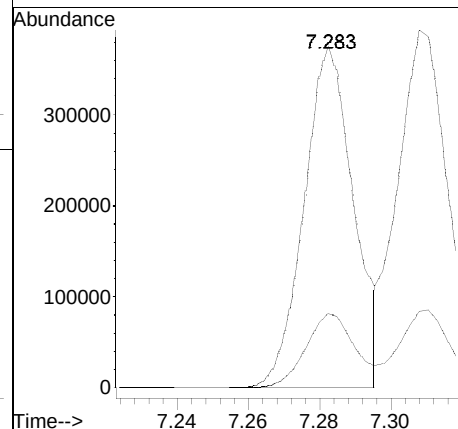
Tgt Ion	Ratio	Lower	Upper
149	100		
167	24.3	19.6	29.4

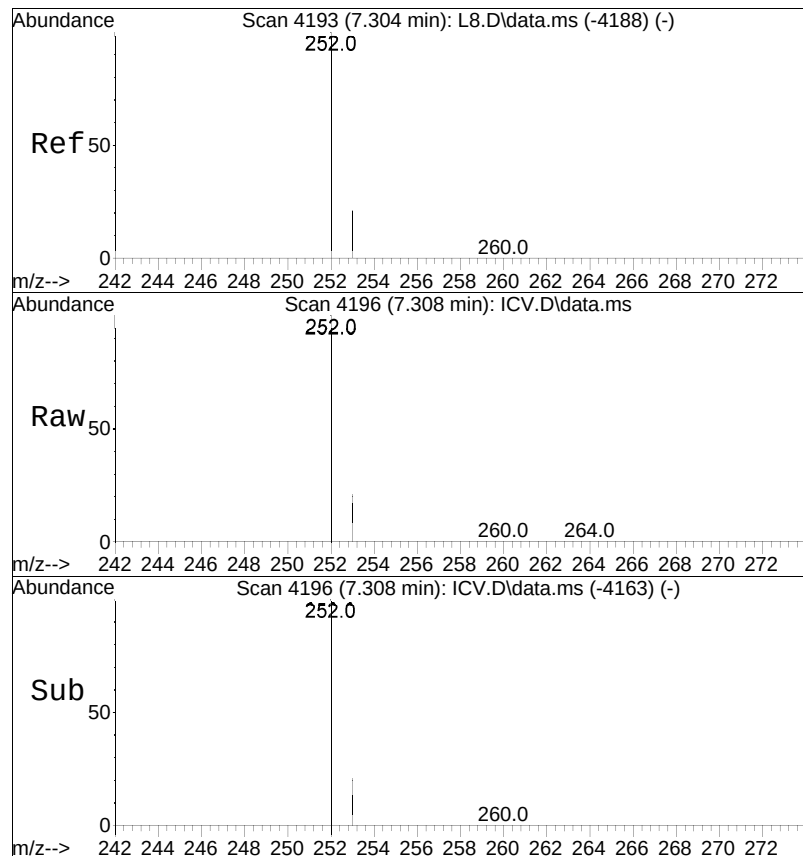




#39
 Benzo[b]fluoranthene
 Concen: 980.79 ng/ml
 RT: 7.283 min Scan# 4186
 Delta R.T. 0.002 min
 Lab File: ICV.D
 Acq: 18 Jun 2025 09:19 pm

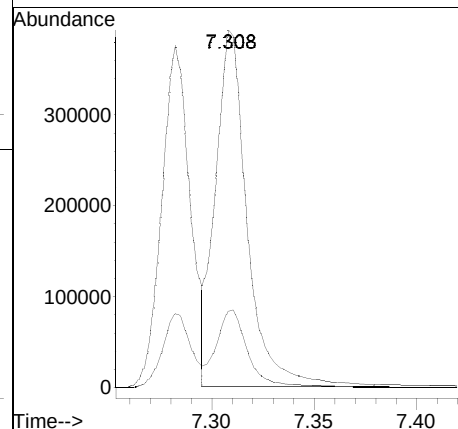
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	18.1	27.1

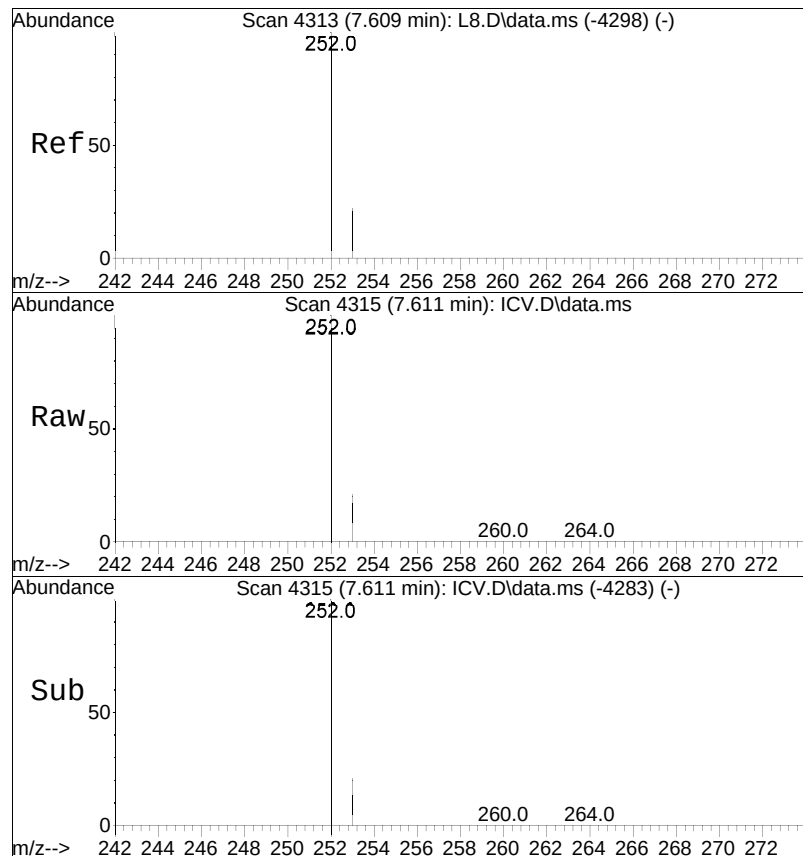




#40
 Benzo[k]fluoranthene
 Concen: 1082.32 ng/ml M1
 RT: 7.308 min Scan# 4196
 Delta R.T. 0.004 min
 Lab File: ICV.D
 Acq: 18 Jun 2025 09:19 pm

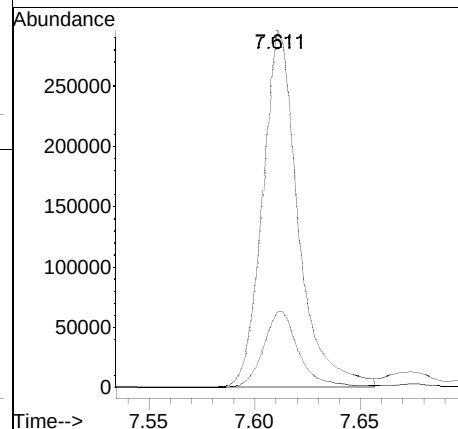
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.5	17.0	25.4

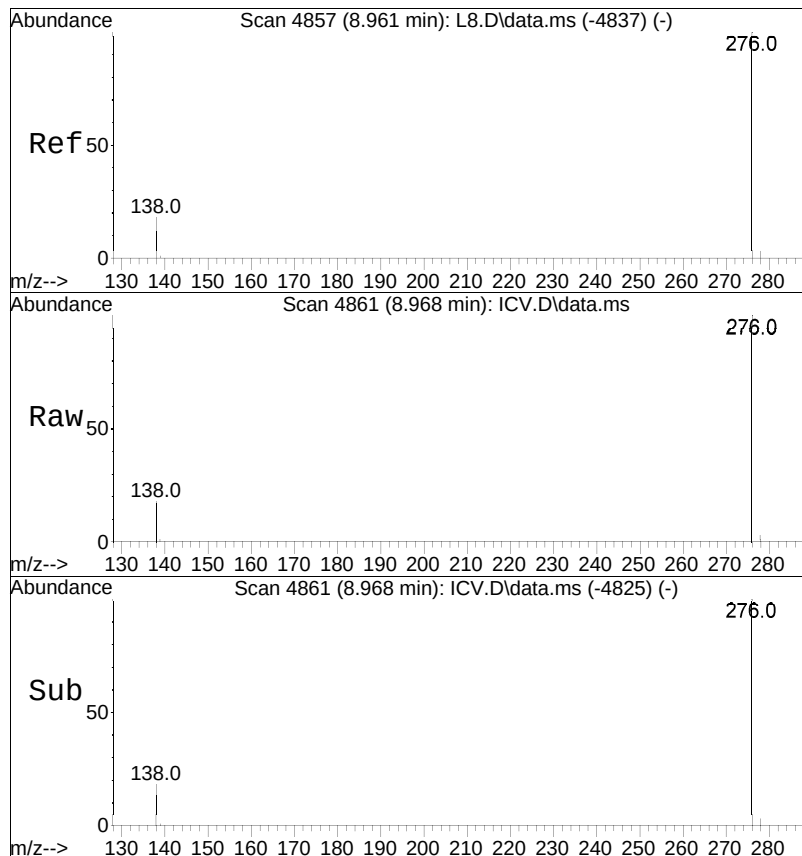




#41
 Benzo[a]pyrene
 Concen: 1019.71 ng/ml
 RT: 7.611 min Scan# 4315
 Delta R.T. 0.002 min
 Lab File: ICV.D
 Acq: 18 Jun 2025 09:19 pm

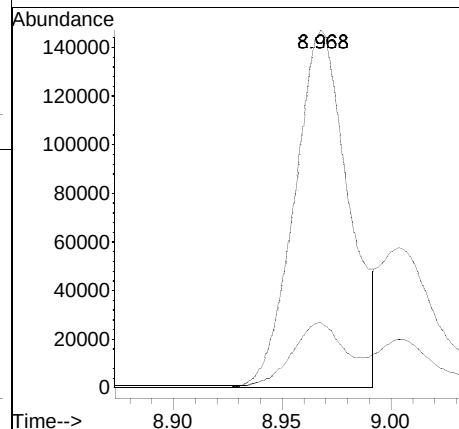
Tgt	Ion	Ratio	Lower	Upper
252	100			
253	21.7	17.4	26.0	

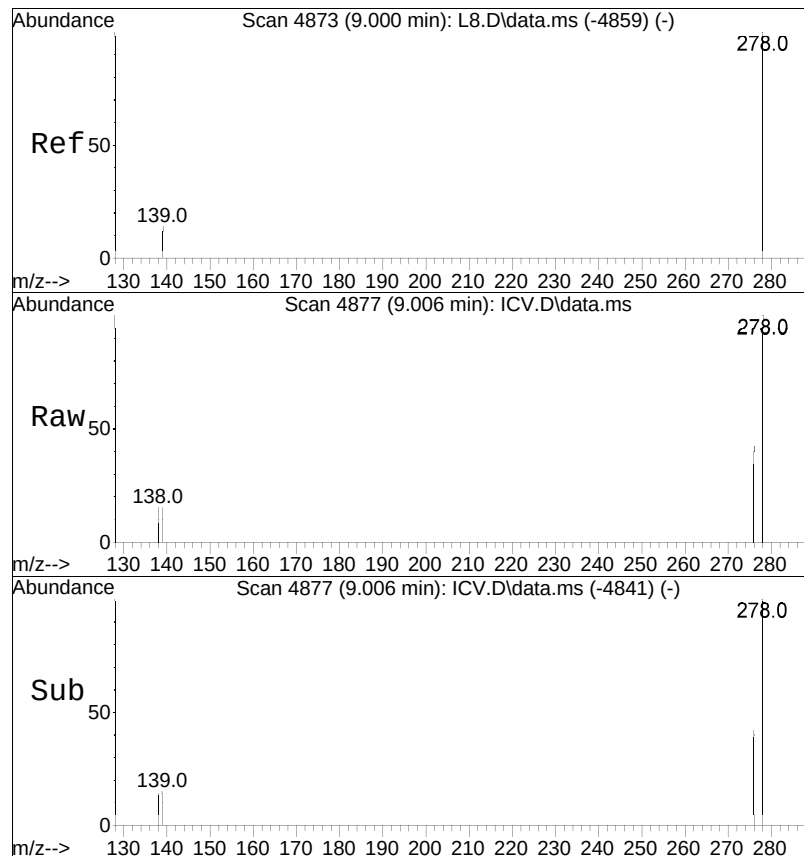




#42
 Indeno[1,2,3-cd]pyrene
 Concen: 720.48 ng/ml
 RT: 8.968 min Scan# 4861
 Delta R.T. 0.007 min
 Lab File: ICV.D
 Acq: 18 Jun 2025 09:19 pm

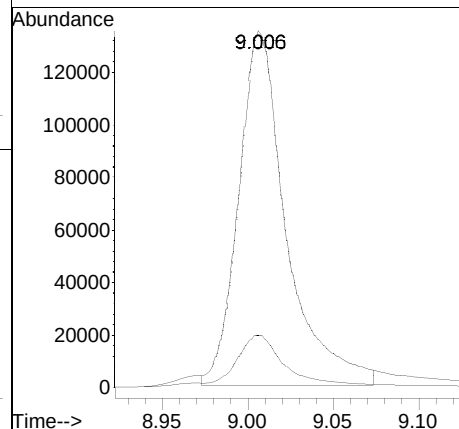
Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.2	14.4	21.6

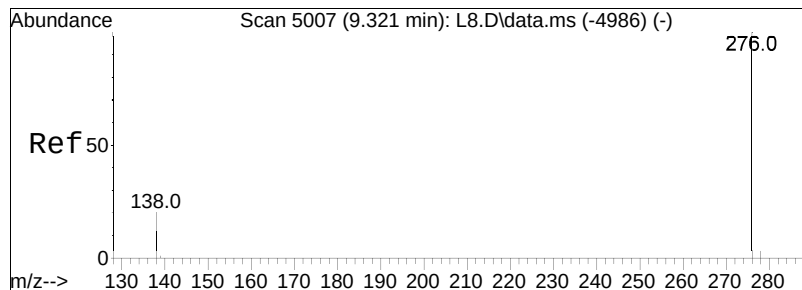




#43
 Dibenzo[a,h]anthracene
 Concen: 777.96 ng/ml M6
 RT: 9.006 min Scan# 4877
 Delta R.T. 0.006 min
 Lab File: ICV.D
 Acq: 18 Jun 2025 09:19 pm

Tgt Ion	Ratio	Lower	Upper
278	100		
139	13.6	12.1	18.1





#44

Benzo[g,h,i]perylene

Concen: 866.85 ng/ml

RT: 9.327 min Scan# 5011

Delta R.T. 0.006 min

Lab File: ICV.D

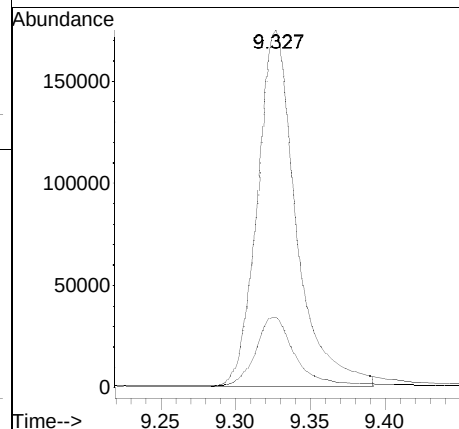
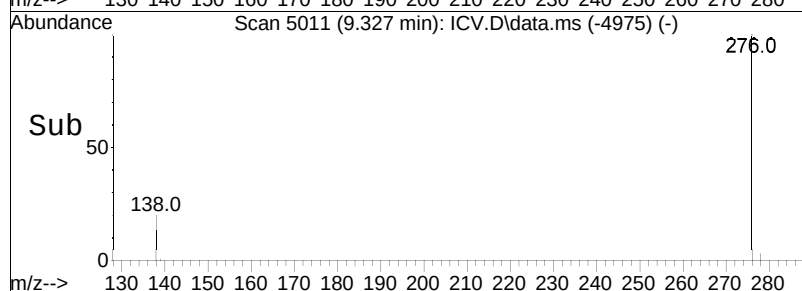
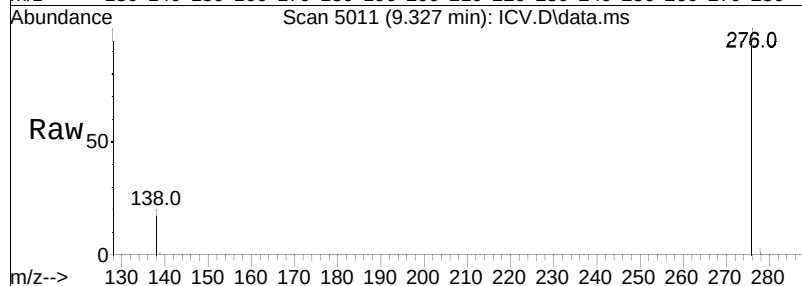
Acq: 18 Jun 2025 09:19 pm

Tgt Ion: 276 Resp: 312375

Ion Ratio Lower Upper

276 100

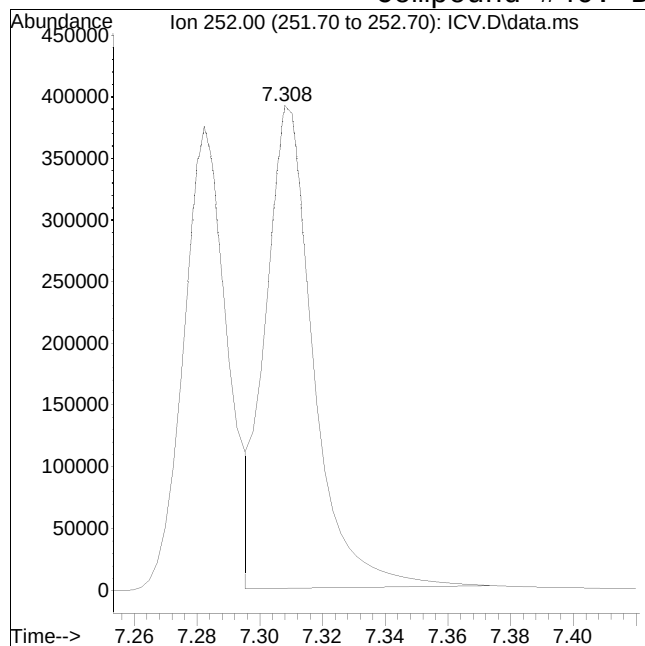
138 19.7 16.0 24.0



Manual Integration Report

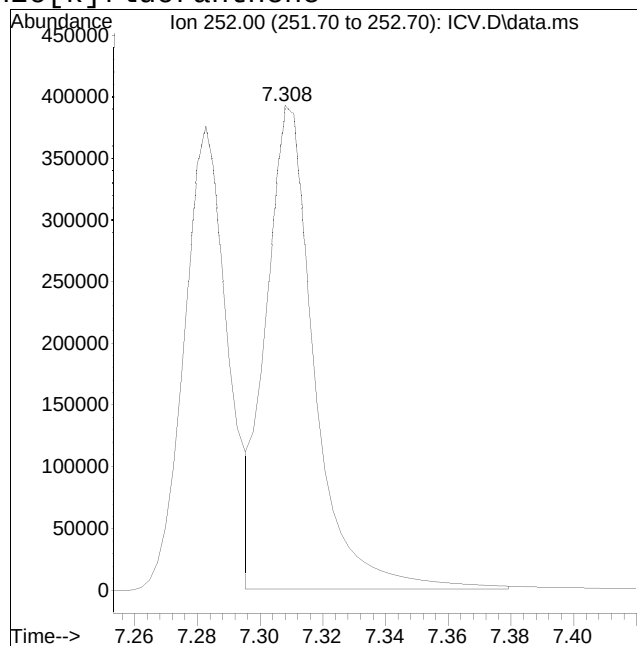
Data Path : I:\8270SIM\sv119\250618RVT01.M
Data File : ICV.D
Date Inj'd : 6/18/2025 9:19 pm
Sample : CQICV1,32,,1 Lot# 11696
Method : SIM-RVT_250618_sv119.M
Operator : sv119:slr
Instrument : SV119
Quant Date : 6/19/2025 10:30 am

Compound #40: Benzo[k]fluoranthene



Original Peak Response = 414907

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

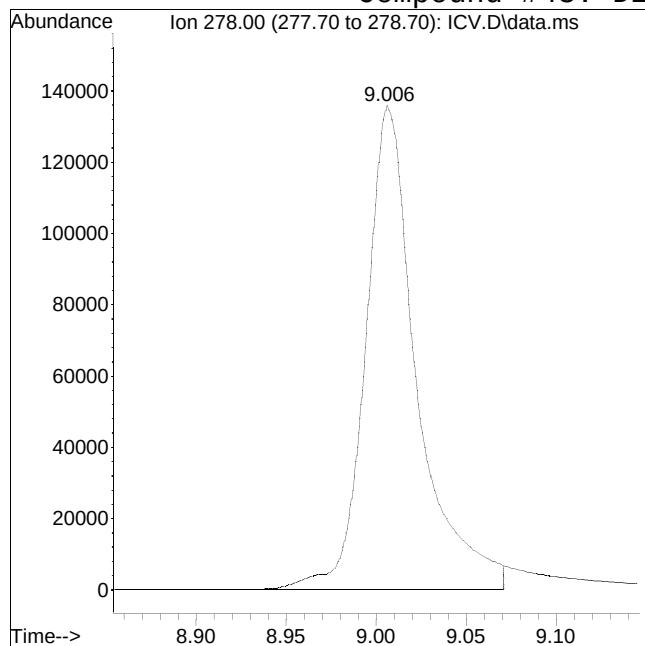


Manual Peak Response = 422560 M1

Manual Integration Report

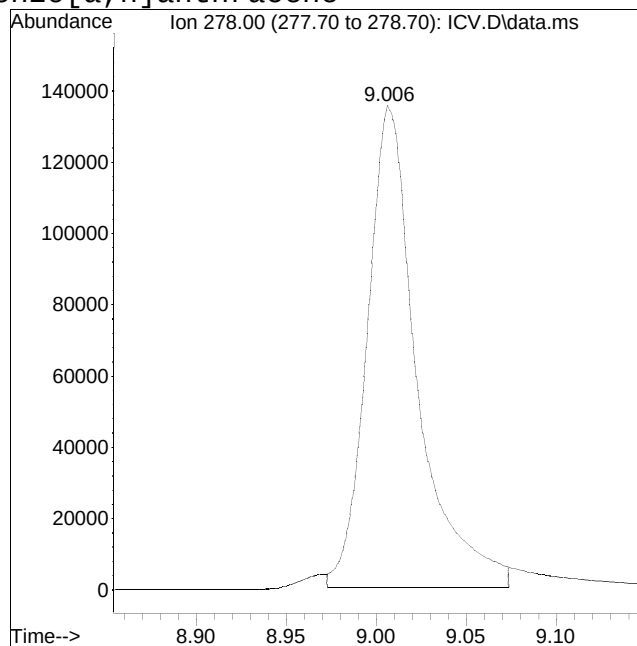
Data Path : I:\8270SIM\sv119\250618RVT\Method : SIM-RVT_250618_sv119.M
Data File : ICV.D Operator : sv119:slr
Date Inj'd : 6/18/2025 9:19 pm Instrument : SV119
Sample : CQICV1,32,,1 Lot# 11696 Quant Date : 6/19/2025 10:30 am

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 269040

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Peak Response = 261012 M6

Method Path : I:\8270SIM\sv119\250618RVTical\
 Method File : SIM-RVT_250618_sv119.M
 Title : Semivolatiles by GC/MS by modified 8270
 Last Update : Thu Jun 19 10:23:42 2025

COMPOUND	CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE
24 T 4,6-Dinitro-o-cresol	Q	ng/ml	1000.0	968.815	-3.1	40.00	44.212	10.5
26 T Pentachlorophenol	Q	ng/ml	1000.0	973.011	-2.7	10.00	10.247	2.5
31 T Benzidine	L	ng/mL	1000.0	985.204	-1.5	500.00	502.125	0.4
34 T Benzo[a]anthracene	L	ng/ml	1000.0	1008.485	0.8	5.00	5.332	6.6
37 T Bis(2-ethylhexyl)phthalate	L	ng/ml	1000.0	908.140	-9.2	40.00	51.141	27.9
42 T Indeno[1,2,3-cd]pyrene	L	ng/ml	1000.0	980.182	-2.0	5.00	7.246	44.9
43 T Dibenzo[a,h]anthracene	L	ng/ml	1000.0	986.954	-1.3	5.00	7.310	46.2
44 T Benzo[g,h,i]perylene	L	ng/ml	1000.0	986.757	-1.3	5.00	6.483	29.7

Calibration Correlation Report

COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant
24 T 4,6-Dinitro-o-cresol	Quadratic	0.999481	0.010500	0.086419	-0.000230254
26 T Pentachlorophenol	Quadratic	0.999646	0.031826	0.103796	0.000167053
31 T Benzidine	Linear	0.999776	0.000000	0.854373	-0.0558888
34 T Benzo[a]anthracene	Linear	0.999577	0.000000	1.39861	0.00268223
37 T Bis(2-ethylhexyl)phthalate	Linear	0.996839	0.000000	0.791183	-0.00520444
42 T Indeno[1,2,3-cd]pyrene	Linear	0.996613	0.000000	1.1521	-0.00130068
43 T Dibenzo[a,h]anthracene	Linear	0.997585	0.000000	1.10099	-0.00134561
44 T Benzo[g,h,i]perylene	Linear	0.998736	0.000000	1.17985	-0.00102895

Response Factor Report SV119

Method Path : I:\8270SIM\sv119\250625RVTical\
 Method File : SIM-RVT_250625_sv119.M
 Title : Semivolatiles by GC/MS by modified 8270
 Last Update : Fri Jun 27 08:30:34 2025
 Response Via : Initial Calibration

Calibration Files

L1 =L1.D L2 =L2.D L3 =L3.D L4 =L4.D L5 =L5.D L6 =L6.D L7 =L7.D L8 =L8.D L9 =L9.D
 L10 =L10.D

Compound		L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	Avg	
%RSD													

1) i	1,4-Dichlorobenzene-d4	-----ISTD-----											
2) T	N-Nitrosodimet...					0.658	0.685	0.708	0.679	0.692	0.671	0.682	2.53
3) s	2-Fluorophenol	1.367	1.221	1.150	1.136	1.150	1.098	1.137	1.101	1.137	1.060	1.156	7.39
4) s	Phenol-d6	1.529	1.448	1.444	1.455	1.365	1.431	1.423	1.436	1.391	1.436		3.16
5) T	Bis(2-chloroet...	1.471	1.375	1.335	1.299	1.202	1.141	1.184	1.177	1.167	1.122	1.247	9.29
6) T	n-nitrosodi-n-...		1.058	0.901	0.912	0.841	0.908	0.926	0.963	0.925	0.929		6.66
7) t	Hexachloroethane	0.477	0.510	0.550	0.538	0.543	0.492	0.515	0.509	0.507	0.496	0.514	4.57
8) s	Nitrobenzene-d5	1.471	1.423	1.456	1.290	1.281	1.160	1.254	1.285	1.295	1.233	1.315	7.76
9) i	Naphthalene-d8	-----ISTD-----											
10) t	Naphthalene	1.216	1.251	1.138	1.099	1.057	1.036	1.048	1.031	1.018	0.968	1.086	8.31
11) t	Hexachlorobuta...	0.226	0.212	0.202	0.209	0.205	0.198	0.203	0.198	0.195	0.190	0.204	4.93
12) t	2-Methylnaphth...	0.853	0.768	0.699	0.685	0.680	0.631	0.665	0.653	0.670	0.615	0.692	10.13
13) t	1-Methylnaphth...	0.748	0.720	0.726	0.710	0.700	0.668	0.697	0.690	0.706	0.634	0.700	4.54
14) s	2-Fluorobiphenyl	0.936	0.935	0.905	0.918	0.912	0.868	0.899	0.887	0.903	0.801	0.896	4.37
15) t	2-Chloronaphth...	0.715	0.777	0.785	0.771	0.767	0.727	0.762	0.753	0.780	0.697	0.753	3.98

Response Factor Report SV119

Method Path : I:\8270SIM\sv119\250625RVTical\
Method File : SIM-RVT_250625_sv119.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Fri Jun 27 08:30:34 2025
Response Via : Initial Calibration

Calibration Files

L1 =L1.D L2 =L2.D L3 =L3.D L4 =L4.D L5 =L5.D L6 =L6.D L7 =L7.D L8 =L8.D L9 =L9.D
L10 =L10.D

Compound		L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	Avg		
%RSD														
16) t	2,6-Dinitrotol...					0.144	0.130	0.153	0.170	0.198	0.180	0.162	15.33	
17) t	Acenaphthylene	1.216	1.261	1.237	1.272	1.292	1.195	1.297	1.299	1.379	1.207	1.266	4.35	
18) i	Acenaphthene-d10	-----ISTD-----												
19) t	Acenaphthene	1.431	1.382	1.342	1.356	1.341	1.304	1.327	1.289	1.262	1.209	1.324	4.72	
20) t	2,4-Dinitrotol...					0.316	0.299	0.353	0.381	0.424	0.406	0.363	13.61	
21) t	Fluorene	1.809	1.678	1.612	1.628	1.612	1.543	1.602	1.572	1.492	1.413	1.596	6.66	
22) s	2,4,6-Tribromo...	0.237	0.231	0.225	0.223	0.210	0.231	0.236	0.241	0.233	0.230		3.99	
23) i	Phenanthrene-d10	-----ISTD-----												
24) T	4,6-Dinitro-o-...					0.080	0.074	0.088	0.093	0.104	0.106	*L	0.99	
75														
25) t	Hexachlorobenzene	0.323	0.291	0.286	0.294	0.290	0.263	0.278	0.267	0.266	0.262	0.282	6.74	
26) t	Pentachlorophenol					0.149	0.115	0.091	0.094	0.110	0.141	0.154	*Q	0.99
73														
27) t	Phenanthrene	1.396	1.261	1.241	1.214	1.194	1.195	1.156	1.151	1.082	1.210		7.24	
28) t	Anthracene	1.246	1.244	1.271	1.249	1.155	1.245	1.222	1.218	1.145	1.222		3.56	
29) t	Fluoranthene	1.807	1.624	1.610	1.594	1.474	1.632	1.601	1.571	1.431	1.594		6.64	
30) t	Pyrene	1.917	1.715	1.733	1.699	1.551	1.720	1.685	1.628	1.446	1.677		7.79	

Response Factor Report SV119

Method Path : I:\8270SIM\sv119\250625RVTical\
Method File : SIM-RVT_250625_sv119.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Fri Jun 27 08:30:34 2025
Response Via : Initial Calibration

Calibration Files

L1 =L1.D L2 =L2.D L3 =L3.D L4 =L4.D L5 =L5.D L6 =L6.D L7 =L7.D L8 =L8.D L9 =L9.D
L10 =L10.D

Compound		L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	Avg
%RSD		-----										
31) T	Benzidine					0.022	0.427	0.785	0.993	0.954	*L	0.99
32) s	4-Terphenyl-d14	1.225	1.145	1.167	1.155	1.045	1.140	1.117	1.036	0.922	1.106	8.19
33) i	Chrysene-d12	-----ISTD-----										
34) t	Benzo[a]anthra...	1.224	0.683	0.345	0.237	0.156	0.136	0.138	0.137	0.140	0.133	*L 0.99
35) t	3,3'-Dichlorob...					0.422	0.435	0.548	0.586	0.612	0.601	0.534 15.88
36) t	Chrysene	1.266	1.325	1.261	1.325	1.318	1.301	1.361	1.316	1.313	1.252	1.304 2.62
37) T	Bis(2-ethylhex...				0.686	0.621	0.602	0.689	0.742	0.828	0.846	0.716 13.23
38) i	Perylene-d12	-----ISTD-----										
39) t	Benzo[b]fluora...		0.916	1.011	1.028	0.996	1.169	1.209	1.268	1.245	1.105	12.01
40) t	Benzo[k]fluora...		1.164	1.204	1.255	1.310	1.358	1.336	1.344	1.255	1.278	5.50
41) t	Benzo[a]pyrene		0.859	0.897	0.961	0.966	1.143	1.168	1.222	1.184	1.050	13.71
42) t	Indeno[1,2,3-c...		0.640	0.640	0.684	0.705	0.835	0.940	1.057	1.112	*Q	0.99
43) t	Dibenzo[a,h]an...		0.546	0.576	0.660	0.659	0.903	0.965	1.040	1.059	*Q	0.99
44) t	Benzo[g,h,i]pe...		0.781	0.811	0.884	0.902	1.066	1.096	1.141	1.121	0.975	15.01

Response Factor Report SV119

Method Path : I:\8270SIM\sv119\250625RVTical\
Method File : SIM-RVT_250625_sv119.M
Title : Semivolatiles by GC/MS by modified 8270
Last Update : Fri Jun 27 08:30:34 2025
Response Via : Initial Calibration

Calibration Files

L1 =L1.D L2 =L2.D L3 =L3.D L4 =L4.D L5 =L5.D L6 =L6.D L7 =L7.D L8 =L8.D L9 =L9.D
L10 =L10.D

Compound	L1	L2	L3	L4	L5	L6	L7	L8	L9	L10	Avg
%RSD											

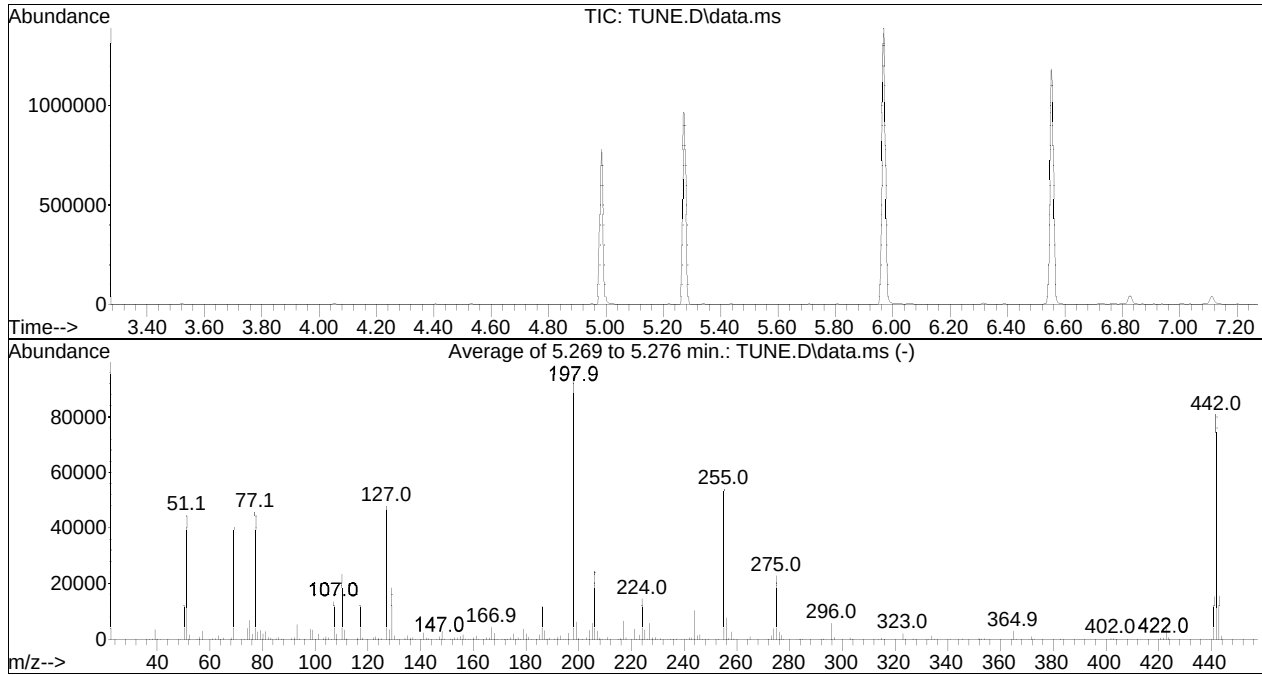
(#) = Out of Range

DFTPP

Data Path : I:\8270SIM\sv119\250625RVTical\
 Data File : TUNE.D
 Acq On : 25 Jun 2025 07:48 pm
 Operator : sv119:ljg
 Sample : TUNE
 Misc : WG2084288,,ical
 ALS Vial : 48 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270SIM\sv119\250625RVTical\SIM-RVT_250625_sv119.M
 Title : Semivolatiles by GC/MS by modified 8270
 Last Update : Fri Jun 27 08:30:34 2025



Spectrum Information: Average of 5.269 to 5.276 min.

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	47.0	44597	PASS
68	69	0.00	2	2.0	800	PASS
69	69	100	100	100.0	40048	PASS
70	69	0.00	2	0.4	156	PASS
127	198	10	80	50.5	47829	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	94797	PASS
199	198	5	9	6.6	6233	PASS
275	198	10	60	24.0	22712	PASS
365	198	1	100	3.3	3103	PASS
441	442	0.01	24	18.8	15170	PASS
442	198	50	100	85.2	80797	PASS
443	442	15	24	19.0	15320	PASS

Data Path : I:\8270SIM\sv119\250625RVTical\

Data File : TUNE.D

Acq On : 25 Jun 2025 07:48 pm

Operator : sv119:ljl

Sample : TUNE

Misc : WG2084288,,ical

ALS Vial : 48 Sample Multiplier: 1

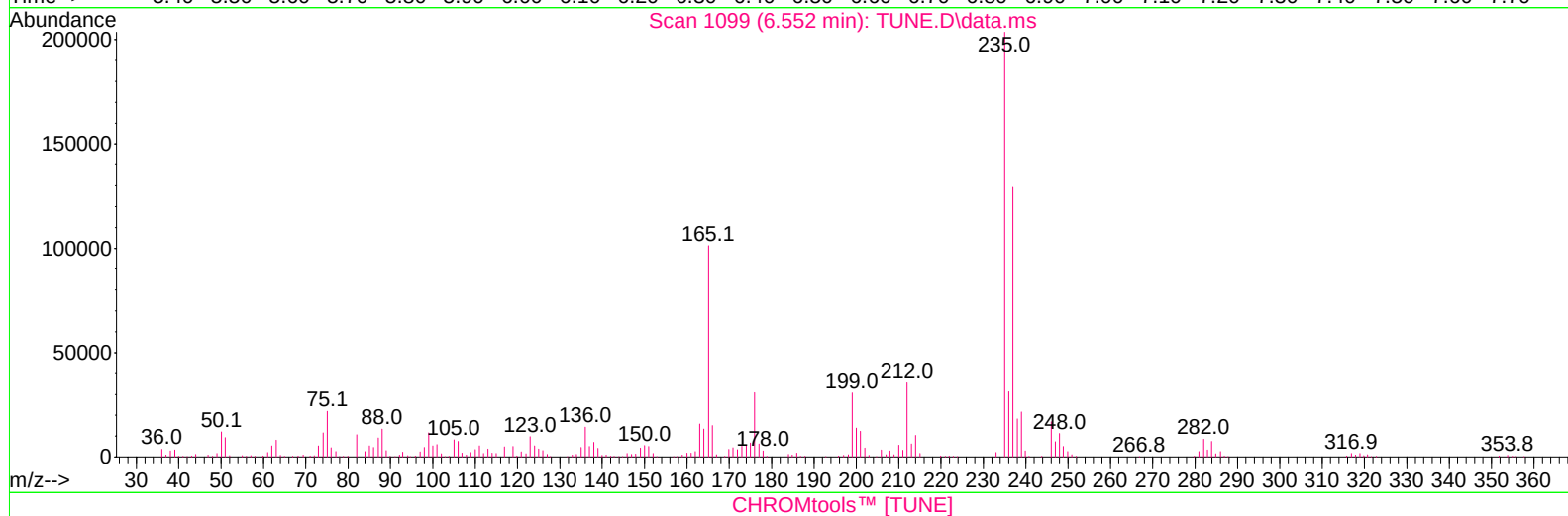
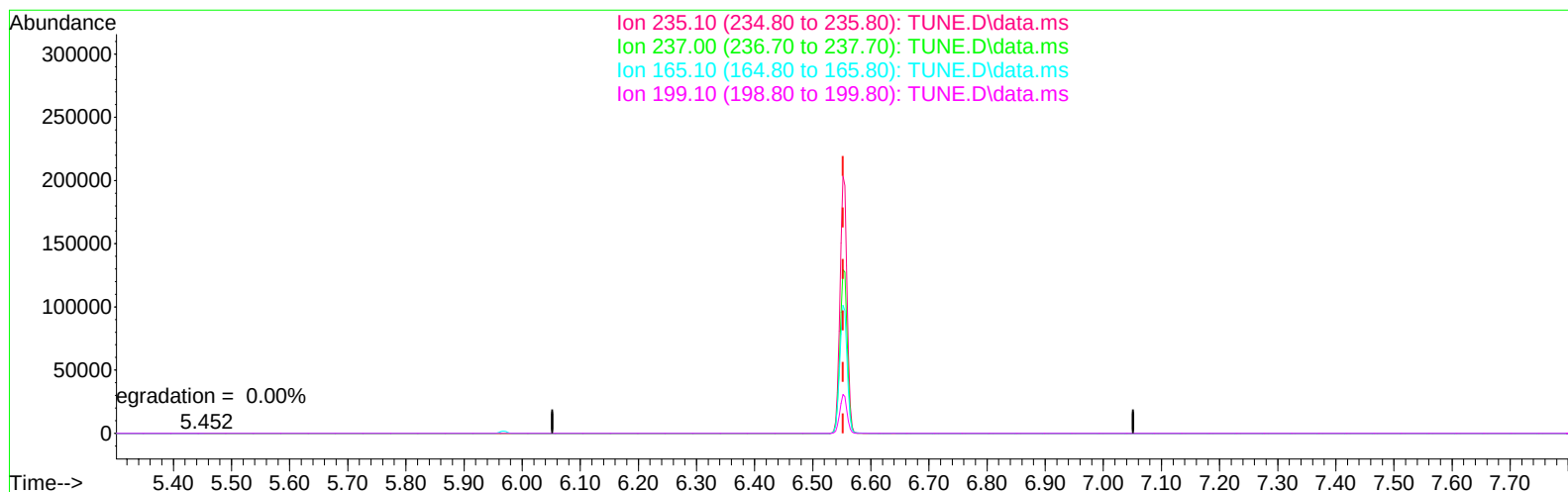
Quant Time: Jun 25 20:03:57 2025

Quant Method : I:\8270SIM\sv119\250625RVTical\dftppsv119.m

Quant Title : Semivolatiles by GC/MS by modified 8270

QLast Update : Wed Jun 25 20:04:49 2025

Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D



CHROMtools™ [TUNE]

(6) ddt (T)

6.552min (-0.000) 28.02

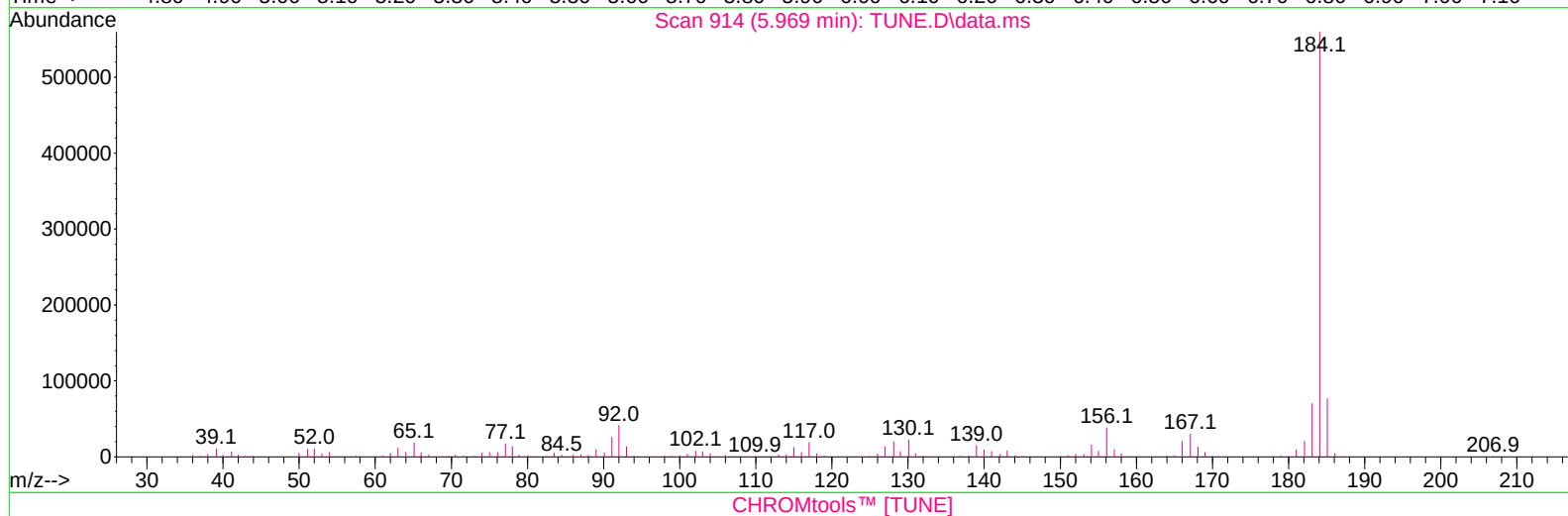
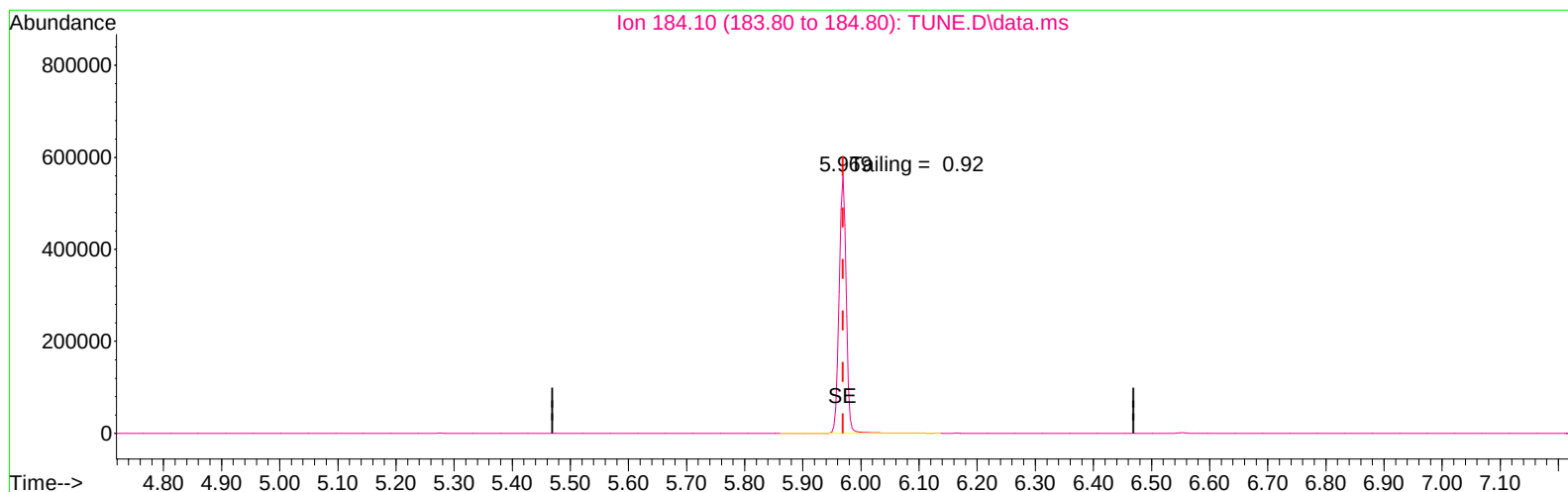
response 170802

Ion	Exp%	Act%
235.10	100.00	100.00
237.00	65.60	65.45
165.10	53.30	51.84
199.10	17.10	15.47

Quantitation Report (Qedit)

Data Path : I:\8270SIM\sv119\250625RVTical\
 Data File : TUNE.D
 Acq On : 25 Jun 2025 07:48 pm
 Operator : sv119:ljl
 Sample : TUNE
 Misc : WG2084288,,ical
 ALS Vial : 48 Sample Multiplier: 1

Quant Time: Jun 25 20:03:57 2025
 Quant Method : I:\8270SIM\sv119\250625RVTical\dftppsv119.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Jun 25 20:04:49 2025
 Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D



CHROMtools™ [TUNE]

(3) benzidine (T)

5.969min (-0.000) 45.73

response 465484

Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250625RVTical\
 Data File : L10.D
 Acq On : 25 Jun 2025 08:07 pm
 Operator : sv119:ljl
 Sample : IL10,32,,5 Lot# 11697
 Misc : WG2084288,,ical
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 26 18:27:34 2025
 Quant Method : I:\8270SIM\sv119\250625RVTical\SIM-RVT_250625_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Jun 26 18:28:30 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\250625RVTical\L8.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.342	152	159724	4000.000	ng/ml	-0.01
Standard Area 1 = 144221			Recovery	=	110.75%	
9) Naphthalene-d8	3.005	136	632959	4000.000	ng/ml	-0.01
Standard Area 1 = 566700			Recovery	=	111.69%	
18) Acenaphthene-d10	3.987	164	378954	4000.000	ng/ml	0.00
Standard Area 1 = 346174			Recovery	=	109.47%	
23) Phenanthrene-d10	4.837	188	756008	4000.000	ng/ml	0.00
Standard Area 1 = 720898			Recovery	=	104.87%	
33) Chrysene-d12	6.507	240	800659M1	4000.000	ng/ml	0.06
Standard Area 1 = 872550			Recovery	=	91.76%	
38) Perylene-d12	7.819	264	847558	4000.000	ng/ml	0.06
Standard Area 1 = 911236			Recovery	=	93.01%	
System Monitoring Compounds						
3) 2-Fluorophenol	1.740	112	211666	4585.952	ng/ml	-0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	229.30%#	
4) Phenol-d6	2.144	99	277657	4843.096	ng/ml	-0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	242.15%#	
8) Nitrobenzene-d5	2.622	82	246180	4689.313	ng/ml	-0.01
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	468.93%#	
14) 2-Fluorobiphenyl	3.602	172	634086	4470.559	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	447.06%#	
22) 2,4,6-Tribromophenol	4.432	330	110217	5065.666	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	253.28%#	
32) 4-Terphenyl-d14	5.804	244	871495	4169.730	ng/ml	0.04
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	416.97%#	
Target Compounds						
						Qvalue
2) N-Nitrosodimethylamine	1.286	74	133887M7	4880.784	ng/mL	
5) Bis(2-chloroethyl)ether	2.199	93	224040	4497.865	ng/ml	98
6) n-nitrosodi-n-propylamine	2.542	70	184745	4978.319	ng/ml	100
7) Hexachloroethane	2.603	117	99006	4827.785	ng/ml	99
10) Naphthalene	3.016	128	765677	4454.215	ng/ml	100
11) Hexachlorobutadiene	3.088	225	150109	4655.170	ng/ml	100
12) 2-Methylnaphthalene	3.396	142	486431	4442.580	ng/ml	98
13) 1-Methylnaphthalene	3.451	142	501468	4528.471	ng/ml	99
15) 2-Chloronaphthalene	3.669	162	551589	4626.470	ng/ml	97
16) 2,6-Dinitrotoluene	3.861	165	142052	5525.397	ng/ml	98
17) Acenaphthylene	3.903	152	955202	4769.438	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250625RVTical\
 Data File : L10.D
 Acq On : 25 Jun 2025 08:07 pm
 Operator : sv119:ljg
 Sample : IL10,32,,5 Lot# 11697
 Misc : WG2084288,,ical
 ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 26 18:27:34 2025
 Quant Method : I:\8270SIM\sv119\250625RVTical\SIM-RVT_250625_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Jun 26 18:28:30 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\250625RVTical\L8.D
 Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19)	Acenaphthene	4.005	153	572890	4565.771	ng/ml	97
20)	2,4-Dinitrotoluene	4.091	165	192149	5585.618	ng/ml	98
21)	Fluorene	4.298	166	669244	4425.895	ng/ml	98
24)	4,6-Dinitro-o-cresol	4.325	198	100272	5121.919	ng/ml	94
25)	Hexachlorobenzene	4.617	284	247919	4651.632	ng/ml	96
26)	Pentachlorophenol	4.728	266	145528	4946.789	ng/ml	99
27)	Phenanthrene	4.851	178	1022129	4469.822	ng/ml	100
28)	Anthracene	4.881	178	1082235	4686.562	ng/ml	99
29)	Fluoranthene	5.563	202	1352301M3	4489.694	ng/ml	
30)	Pyrene	5.704	202	1366100	4309.889	ng/ml	100
31)	Benzidine	5.644	184	901111	5017.205	ng/mL	99
34)	Benzo[a]anthracene	6.498	228	1335155	4929.598	ng/ml	100
35)	3,3'-Dichlorobenzidine	6.482	252	601585	5629.277	ng/ml	100
36)	Chrysene	6.527	228	1253094	4846.683	ng/ml	99
37)	Bis(2-ethylhexyl)phtha...	6.527	149	846532	5907.159	ng/ml	99
39)	Benzo[b]fluoranthene	7.419	252	1318505	5629.790	ng/ml	99
40)	Benzo[k]fluoranthene	7.450	252	1329998	4910.168	ng/ml	98
41)	Benzo[a]pyrene	7.758	252	1254897	5639.779	ng/ml	99
42)	Indeno[1,2,3-cd]pyrene	9.137	276	1177971	4959.983	ng/ml	98
43)	Dibenzo[a,h]anthracene	9.175	278	1122130M6	4963.335	ng/ml	
44)	Benzo[g,h,i]perylene	9.506	276	1187966	5748.188	ng/ml	99

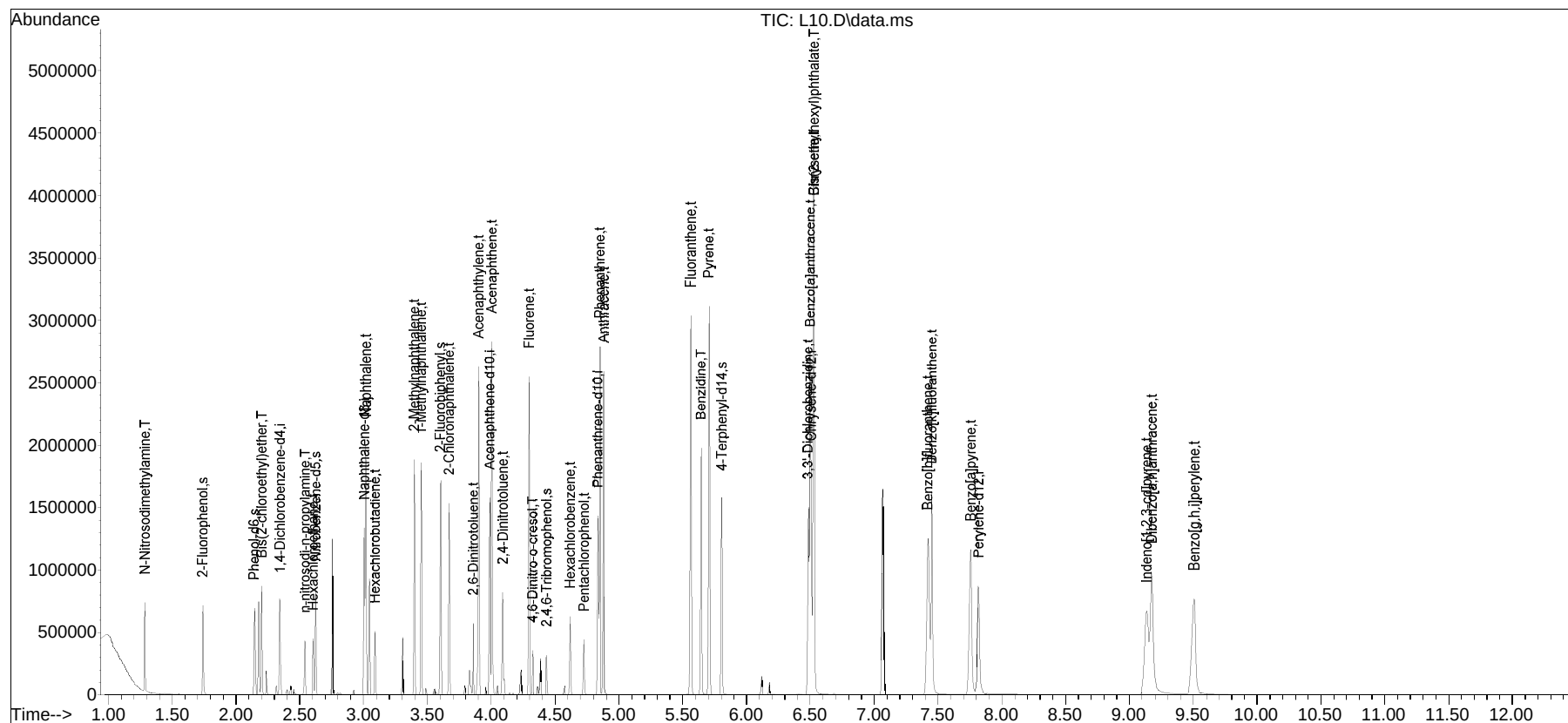
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250625RVTical\
Data File : L10.D
Acq On : 25 Jun 2025 08:07 pm
Operator : sv119:ljg
Sample : IL10,32,,5 Lot# 11697
Misc : WG2084288,,ical
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Jun 26 18:27:34 2025
Quant Method : I:\8270SIM\sv119\250625RVTical\SIM-RVT_250625_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Jun 26 18:28:30 2025
Response via : Initial Calibration

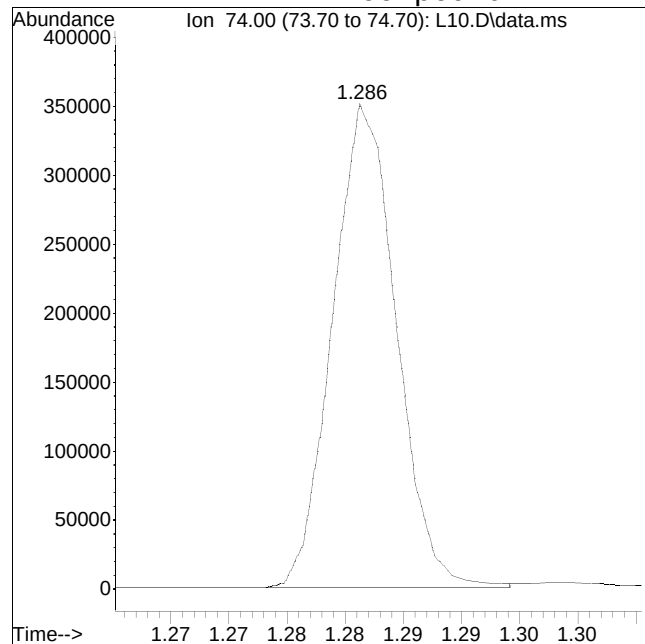
Sub List : Default - All compounds listedical\L8.D•



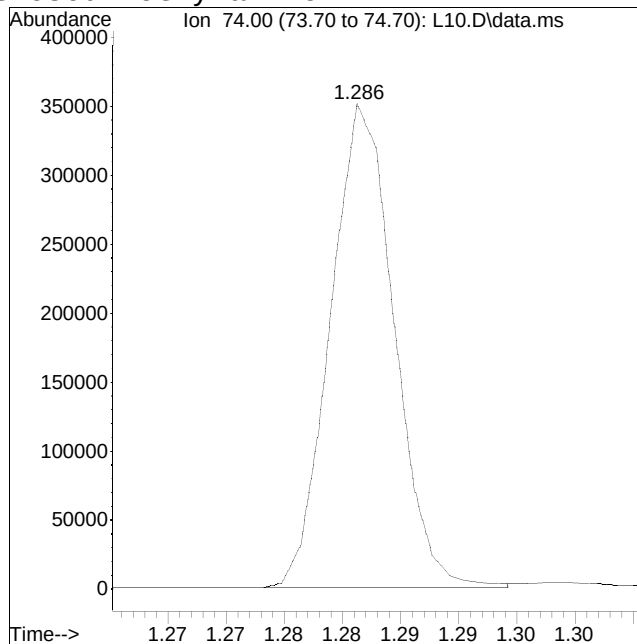
Manual Integration Report

Data Path : I:\8270SIM\sv119\250625RVT01\data.ms
Data File : L10.D
Date Inj'd : 6/25/2025 8:07 pm
Sample : IL10,32,,5 Lot# 11697
Method : SIM-RVT_250625_sv119.M
Operator : sv119:ljl
Instrument : SV119
Quant Date : 6/26/2025 6:28 pm

Compound #2: N-Nitrosodimethylamine



Original Peak Response = 133887



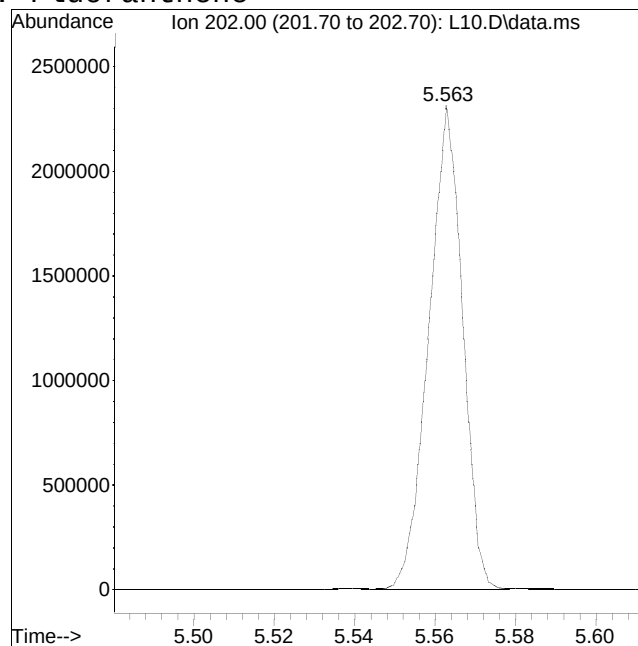
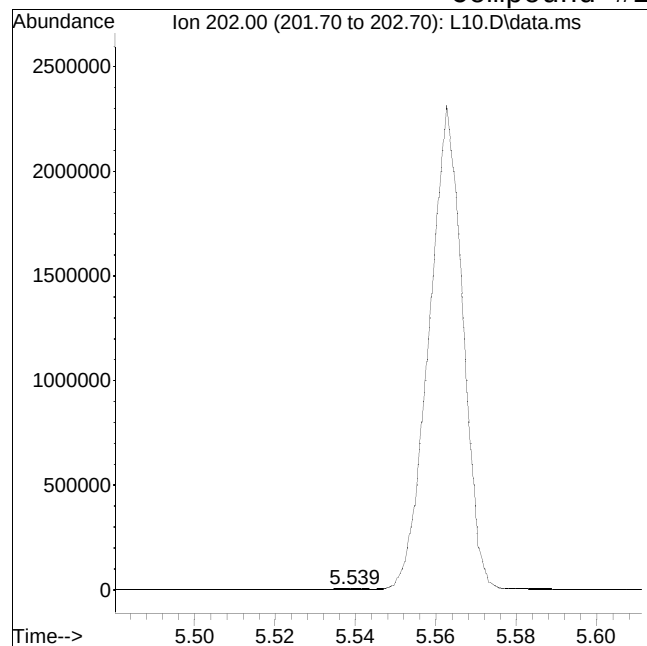
Manual Peak Response = 133887 M7

M7 = A qualifier ion was manually integrated (only for GC/MS data).

Manual Integration Report

Data Path : I:\8270SIM\sv119\250625RVT01.M
Data File : L10.D
Date Inj'd : 6/25/2025 8:07 pm
Sample : IL10,32,,5 Lot# 11697
Method : SIM-RVT_250625_sv119.M
Operator : sv119:ljj
Instrument : SV119
Quant Date : 6/26/2025 6:28 pm

Compound #29: Fluoranthene



Original Peak Response = 3196

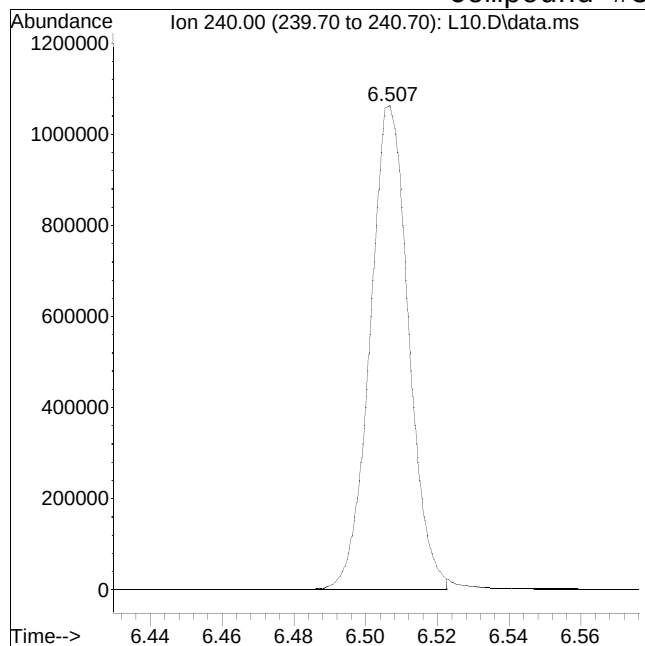
Manual Peak Response = 1352301 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

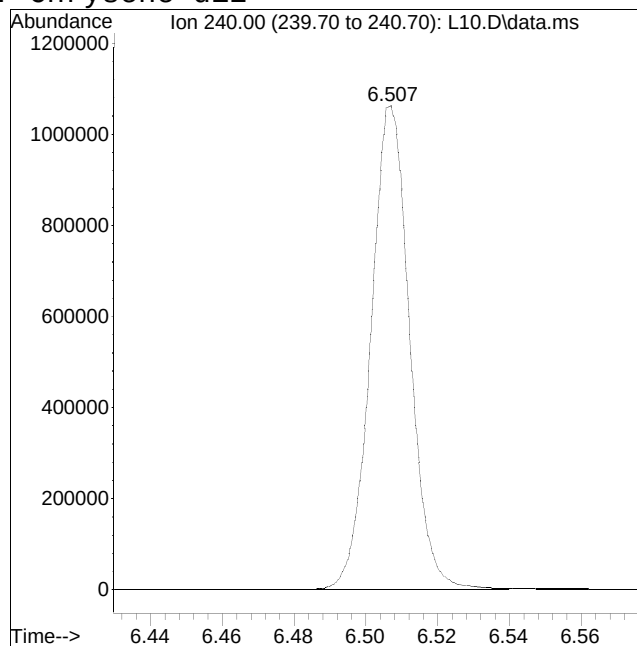
Data Path : I:\8270SIM\sv119\250625RVT\Method : SIM-RVT_250625_sv119.M
Data File : L10.D Operator : sv119:ljl
Date Inj'd : 6/25/2025 8:07 pm Instrument : SV119
Sample : IL10,32,,5 Lot# 11697 Quant Date : 6/26/2025 6:28 pm

Compound #33: Chrysene-d12



Original Peak Response = 793361

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

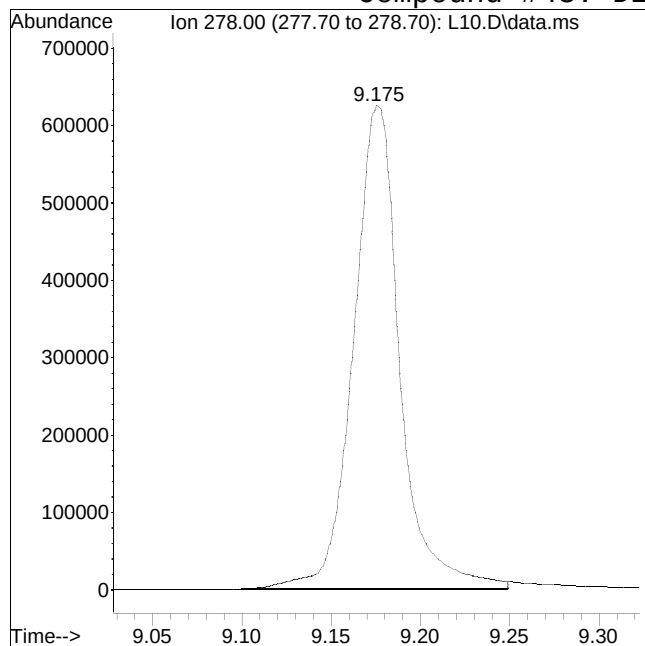


Manual Peak Response = 800659 M1

Manual Integration Report

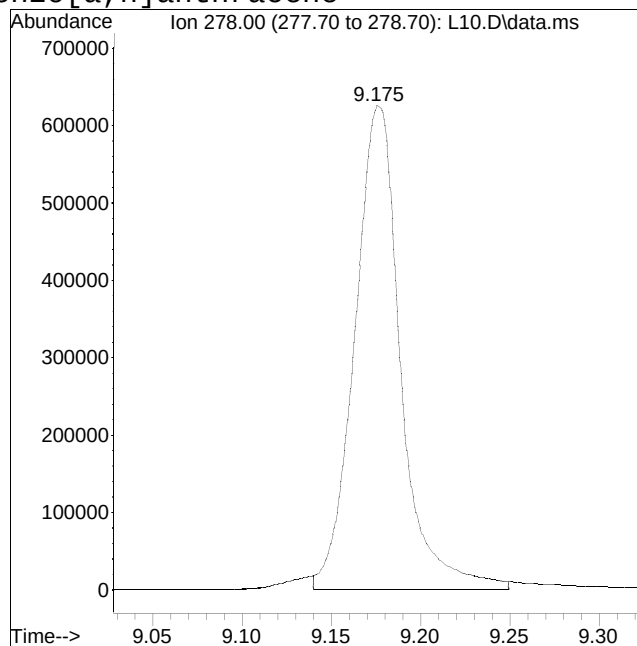
Data Path : I:\8270SIM\sv119\250625RVT\Method : SIM-RVT_250625_sv119.M
Data File : L10.D Operator : sv119:ljg
Date Inj'd : 6/25/2025 8:07 pm Instrument : SV119
Sample : IL10,32,,5 Lot# 11697 Quant Date : 6/26/2025 6:28 pm

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 1134450

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Peak Response = 1122130 M6

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250625RVTical\
 Data File : L9.D
 Acq On : 25 Jun 2025 08:23 pm
 Operator : sv119:ljl
 Sample : IL9,32,,2.5 Lot# 11699
 Misc : WG2084288,,ical
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 26 18:28:07 2025
 Quant Method : I:\8270SIM\sv119\250625RVTical\SIM-RVT_250625_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Jun 26 18:29:03 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\250625RVTical\L8.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.354	152	142146	4000.000	ng/ml	0.00
Standard Area 1 = 144221			Recovery	=	98.56%	
9) Naphthalene-d8	3.016	136	568248	4000.000	ng/ml	0.00
Standard Area 1 = 566700			Recovery	=	100.27%	
18) Acenaphthene-d10	3.992	164	366269	4000.000	ng/ml	0.00
Standard Area 1 = 346174			Recovery	=	105.80%	
23) Phenanthrene-d10	4.836	188	739471	4000.000	ng/ml	0.00
Standard Area 1 = 720898			Recovery	=	102.58%	
33) Chrysene-d12	6.457	240	842714	4000.000	ng/ml	0.00
Standard Area 1 = 872550			Recovery	=	96.58%	
38) Perylene-d12	7.765	264	874695	4000.000	ng/ml	0.00
Standard Area 1 = 911236			Recovery	=	95.99%	
System Monitoring Compounds						
3) 2-Fluorophenol	1.754	112	101049	2460.061	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	123.00%#	
4) Phenol-d6	2.156	99	127550	2499.945	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	125.00%#	
8) Nitrobenzene-d5	2.632	82	115064	2462.813	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	246.28%#	
14) 2-Fluorobiphenyl	3.608	172	320618	2517.904	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	251.79%#	
22) 2,4,6-Tribromophenol	4.436	330	55090	2619.673	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	130.98%#	
32) 4-Terphenyl-d14	5.772	244	478625	2341.228	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	234.12%#	
Target Compounds						
						Qvalue
2) N-Nitrosodimethylamine	1.294	74	61514M7	2519.769	ng/mL	
5) Bis(2-chloroethyl)ether	2.211	93	103708	2339.530	ng/ml	98
6) n-nitrosodi-n-propylamine	2.551	70	85529	2589.757	ng/ml	99
7) Hexachloroethane	2.615	117	45075	2469.776	ng/ml	99
10) Naphthalene	3.028	128	361716	2343.856	ng/ml	100
11) Hexachlorobutadiene	3.099	225	69145	2388.511	ng/ml	100
12) 2-Methylnaphthalene	3.405	142	238128	2422.491	ng/ml	100
13) 1-Methylnaphthalene	3.460	142	250822	2522.968	ng/ml	99
15) 2-Chloronaphthalene	3.675	162	276959	2587.541	ng/ml	97
16) 2,6-Dinitrotoluene	3.866	165	70316	3046.547	ng/ml	99
17) Acenaphthylene	3.910	152	489639	2723.238	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250625RVTical\
 Data File : L9.D
 Acq On : 25 Jun 2025 08:23 pm
 Operator : sv119:ljg
 Sample : IL9,32,,2.5 Lot# 11699
 Misc : WG2084288,,ical
 ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 26 18:28:07 2025
 Quant Method : I:\8270SIM\sv119\250625RVTical\SIM-RVT_250625_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Jun 26 18:29:03 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\250625RVTical\L8.D
 Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19)	Acenaphthene	4.009	153	289001	2383.025	ng/ml	98
20)	2,4-Dinitrotoluene	4.095	165	96949	2915.834	ng/ml	98
21)	Fluorene	4.300	166	341598	2337.321	ng/ml	100
24)	4,6-Dinitro-o-cresol	4.325	198	48071	2520.344	ng/ml	99
25)	Hexachlorobenzene	4.617	284	123079	2360.939	ng/ml	97
26)	Pentachlorophenol	4.728	266	63083	2596.972	ng/ml	100
27)	Phenanthrene	4.850	178	532046	2378.696	ng/ml	100
28)	Anthracene	4.878	178	562710	2491.281	ng/ml	100
29)	Fluoranthene	5.544	202	726025	2464.337	ng/ml	99
30)	Pyrene	5.678	202	752244	2426.317	ng/ml	100
31)	Benzydine	5.620	184	458790	2672.864	ng/mL	99
34)	Benzo[a]anthracene	6.448	228	734750	2573.632	ng/ml	100
35)	3,3'-Dichlorobenzidine	6.430	252	322205	2864.543	ng/ml	100
36)	Chrysene	6.474	228	691449	2540.906	ng/ml	99
37)	Bis(2-ethylhexyl)phtha...	6.472	149	435889	2889.872	ng/ml	99
39)	Benzo[b]fluoranthene	7.363	252	693130	2867.727	ng/ml	99
40)	Benzo[k]fluoranthene	7.391	252	734608	2627.930	ng/ml	98
41)	Benzo[a]pyrene	7.699	252	667926	2908.675	ng/ml	100
42)	Indeno[1,2,3-cd]pyrene	9.083	276	578026	2603.994	ng/ml	98
43)	Dibenzo[a,h]anthracene	9.121	278	568596M6	2585.880	ng/ml	
44)	Benzo[g,h,i]perylene	9.451	276	623105	2921.467	ng/ml	99

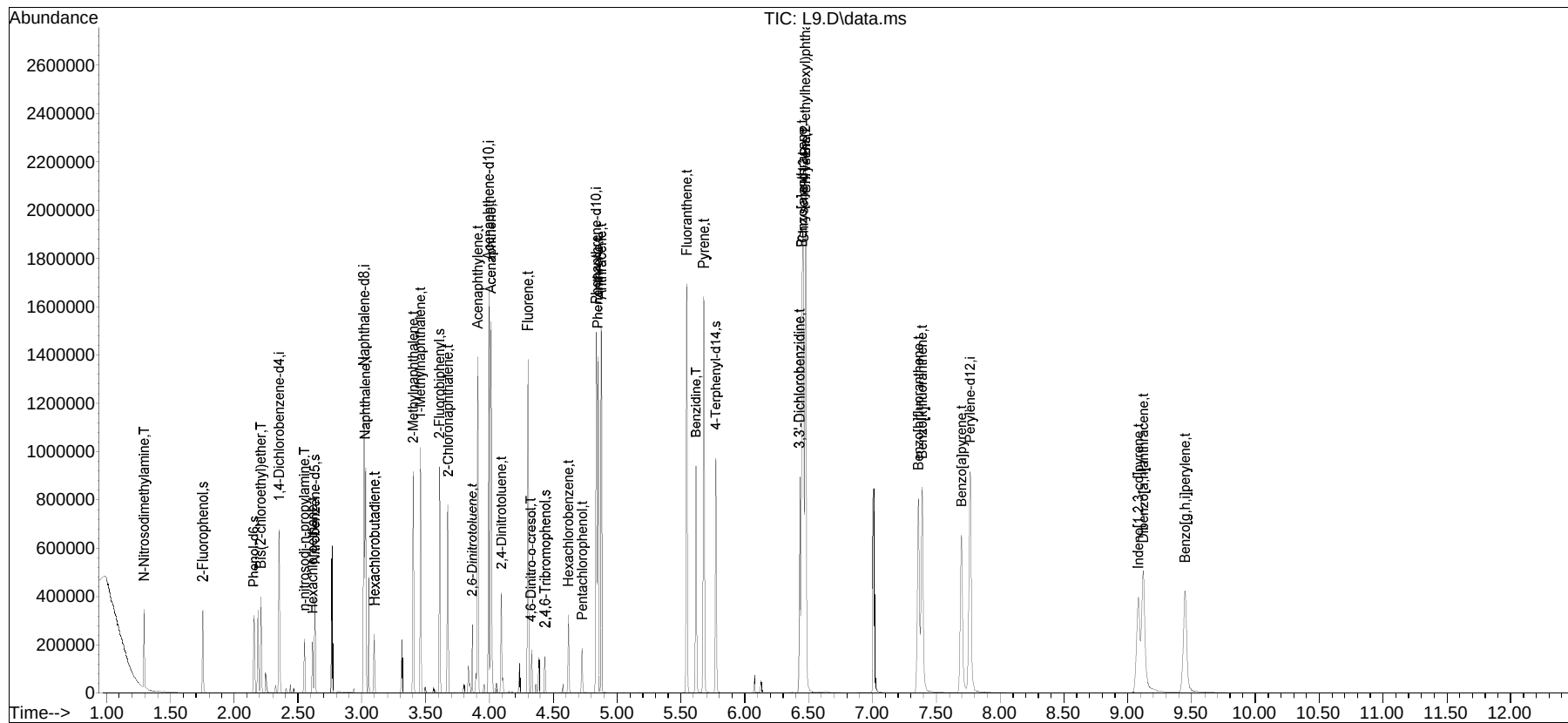
(#) = qualifier out of range (m) = manual integration (+) = signals summed

(QT Reviewed)

Data Path : I:\8270SIM\sv119\250625RVTical\
Data File : L9.D
Acq On : 25 Jun 2025 08:23 pm
Operator : sv119:ljg
Sample : IL9,32,,2.5 Lot# 11699
Misc : WG2084288,,ical
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 26 18:28:07 2025
Quant Method : I:\8270SIM\sv119\250625RVTical\SIM-RVT_250625_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Jun 26 18:29:03 2025
Response via : Initial Calibration

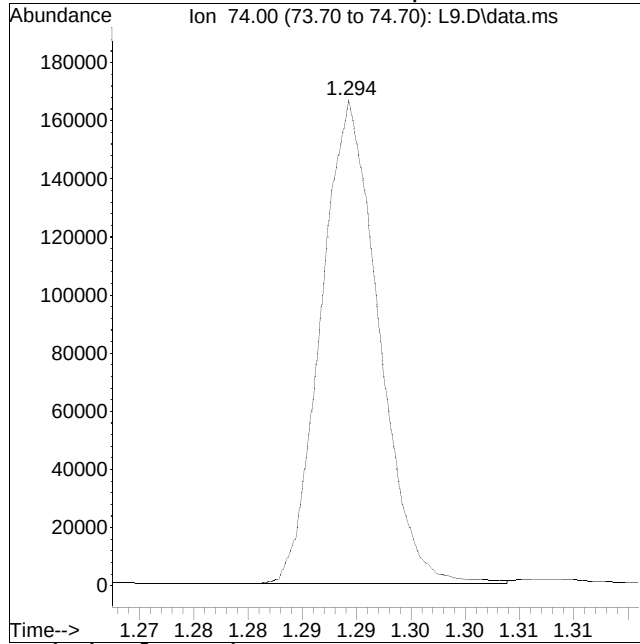
Sub List : Default - All compounds listedical\L8.D•



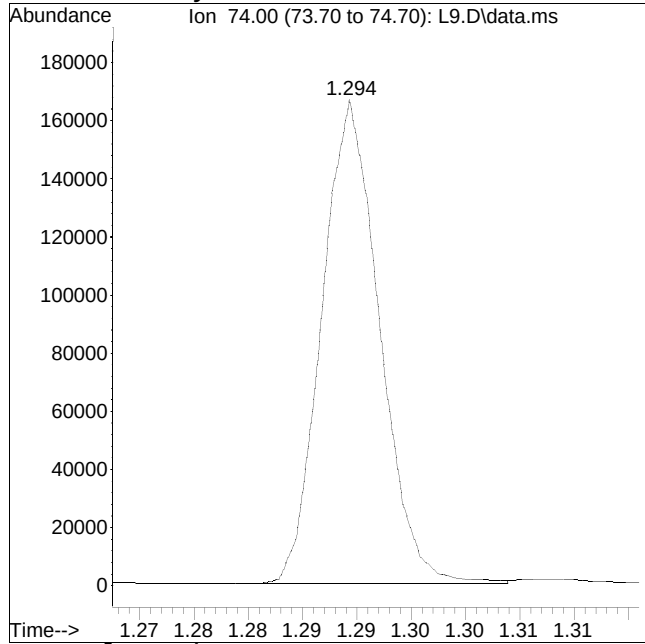
Manual Integration Report

Data Path : I:\8270SIM\sv119\250625RVTQMethod : SIM-RVT_250625_sv119.M
Data File : L9.D Operator : sv119:ljg
Date Inj'd : 6/25/2025 8:23 pm Instrument : SV119
Sample : IL9,32,,2.5 Lot# 11699 Quant Date : 6/26/2025 6:29 pm

Compound #2: N-Nitrosodimethylamine



Original Peak Response = 61514



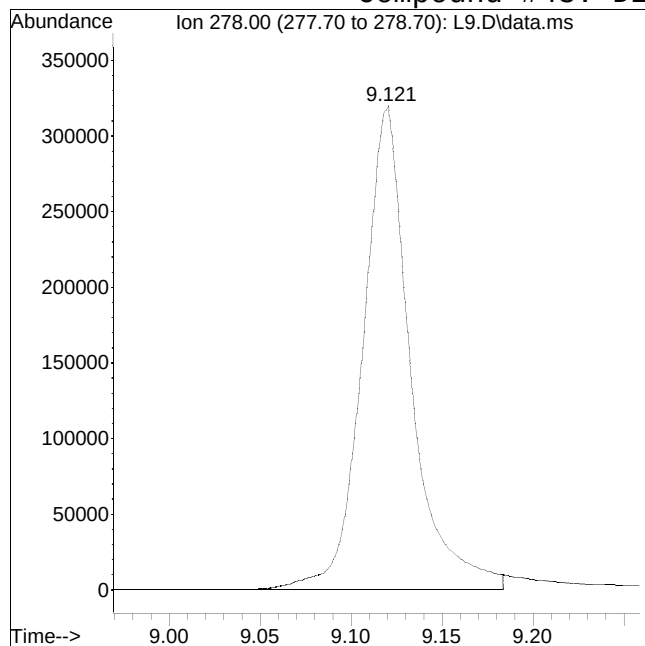
Manual Peak Response = 61514 M7

M7 = A qualifier ion was manually integrated (only for GC/MS data).

Manual Integration Report

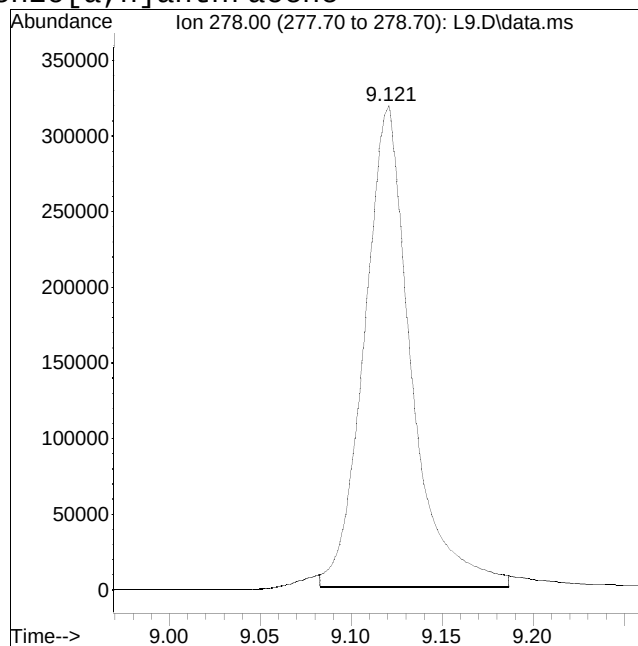
Data Path : I:\8270SIM\sv119\250625RVT01\data.ms
Data File : L9.D
Date Inj'd : 6/25/2025 8:23 pm
Sample : IL9,32,,2.5 Lot# 11699
Method : SIM-RVT_250625_sv119.M
Operator : sv119:ljb
Instrument : SV119
Quant Date : 6/26/2025 6:29 pm

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 587879

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Peak Response = 568596 M6

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250625RVTical\
 Data File : L8.D
 Acq On : 25 Jun 2025 08:40 pm
 Operator : sv119:ljg
 Sample : IL8,32,,1 Lot# 11700
 Misc : WG2084288,,ical
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 26 18:28:02 2025
 Quant Method : I:\8270SIM\sv119\250625RVTical\SIM-RVT_250625_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Jun 26 18:28:59 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\250625RVTical\L8.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.357	152	144221	4000.000	ng/ml	0.00
Standard Area 1 = 144221			Recovery	=	100.00%	
9) Naphthalene-d8	3.019	136	566700	4000.000	ng/ml	0.00
Standard Area 1 = 566700			Recovery	=	100.00%	
18) Acenaphthene-d10	3.994	164	346174	4000.000	ng/ml	0.00
Standard Area 1 = 346174			Recovery	=	100.00%	
23) Phenanthrene-d10	4.837	188	720898	4000.000	ng/ml	0.00
Standard Area 1 = 720898			Recovery	=	100.00%	
33) Chrysene-d12	6.448	240	872537	4000.000	ng/ml	0.00
Standard Area 1 = 872550			Recovery	=	100.00%	
38) Perylene-d12	7.758	264	911704	4000.000	ng/ml	0.00
Standard Area 1 = 911236			Recovery	=	100.05%	
System Monitoring Compounds						
3) 2-Fluorophenol	1.755	112	39688	952.312	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	47.62%	
4) Phenol-d6	2.156	99	51319	991.367	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	49.57%	
8) Nitrobenzene-d5	2.634	82	46314	977.036	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	97.70%	
14) 2-Fluorobiphenyl	3.611	172	125633	989.327	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	98.93%	
22) 2,4,6-Tribromophenol	4.436	330	20438	1028.297	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	51.41%	
32) 4-Terphenyl-d14	5.767	244	201329	1010.187	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	101.02%	
Target Compounds						
						Qvalue
2) N-Nitrosodimethylamine	1.294	74	24464M7	987.689	ng/mL	
5) Bis(2-chloroethyl)ether	2.214	93	42440	943.622	ng/ml	98
6) n-nitrosodi-n-propylamine	2.553	70	33388	996.419	ng/ml	99
7) Hexachloroethane	2.618	117	18335	990.168	ng/ml	99
10) Naphthalene	3.031	128	146134	949.509	ng/ml	100
11) Hexachlorobutadiene	3.102	225	28093	973.082	ng/ml	99
12) 2-Methylnaphthalene	3.407	142	92571	944.303	ng/ml	100
13) 1-Methylnaphthalene	3.463	142	97695	985.378	ng/ml	100
15) 2-Chloronaphthalene	3.678	162	106702	999.606	ng/ml	98
16) 2,6-Dinitrotoluene	3.866	165	24123	1048.021	ng/ml	100
17) Acenaphthylene	3.912	152	184065	1026.516	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250625RVTical\
 Data File : L8.D
 Acq On : 25 Jun 2025 08:40 pm
 Operator : sv119:ljg
 Sample : IL8,32,,1 Lot# 11700
 Misc : WG2084288,,ical
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 26 18:28:02 2025
 Quant Method : I:\8270SIM\sv119\250625RVTical\SIM-RVT_250625_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Jun 26 18:28:59 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\250625RVTical\L8.D
 Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19)	Acenaphthene	4.012	153	111512	972.874	ng/ml	100
20)	2,4-Dinitrotoluene	4.095	165	32975	1049.325	ng/ml	99
21)	Fluorene	4.303	166	136013	984.666	ng/ml	100
24)	4,6-Dinitro-o-cresol	4.325	198	16715	911.497	ng/ml	99
25)	Hexachlorobenzene	4.621	284	48068	945.811	ng/ml	97
26)	Pentachlorophenol	4.728	266	19735	955.848	ng/ml	100
27)	Phenanthrene	4.850	178	208371	955.596	ng/ml	100
28)	Anthracene	4.878	178	220322	1000.560	ng/ml	100
29)	Fluoranthene	5.539	202	288509	1004.512	ng/ml	99
30)	Pyrene	5.675	202	303672	1004.710	ng/ml	100
31)	Benzydine	5.615	184	141489	932.924	ng/mL	99
34)	Benzo[a]anthracene	6.439	228	298396	1004.639	ng/ml	100
35)	3,3'-Dichlorobenzidine	6.421	252	127788	1097.260	ng/ml	100
36)	Chrysene	6.464	228	287027	1018.703	ng/ml	99
37)	Bis(2-ethylhexyl)phtha...	6.462	149	161757	1035.767	ng/ml	99
39)	Benzo[b]fluoranthene	7.353	252	275495	1093.553	ng/ml	98
40)	Benzo[k]fluoranthene	7.379	252	304265	1044.270	ng/ml	99
41)	Benzo[a]pyrene	7.689	252	266043	1111.531	ng/ml	100
42)	Indeno[1,2,3-cd]pyrene	9.072	276	214106	997.670	ng/ml	98
43)	Dibenzo[a,h]anthracene	9.107	278	219901M6	1002.217	ng/ml	
44)	Benzo[g,h,i]perylene	9.440	276	249596	1122.743	ng/ml	98

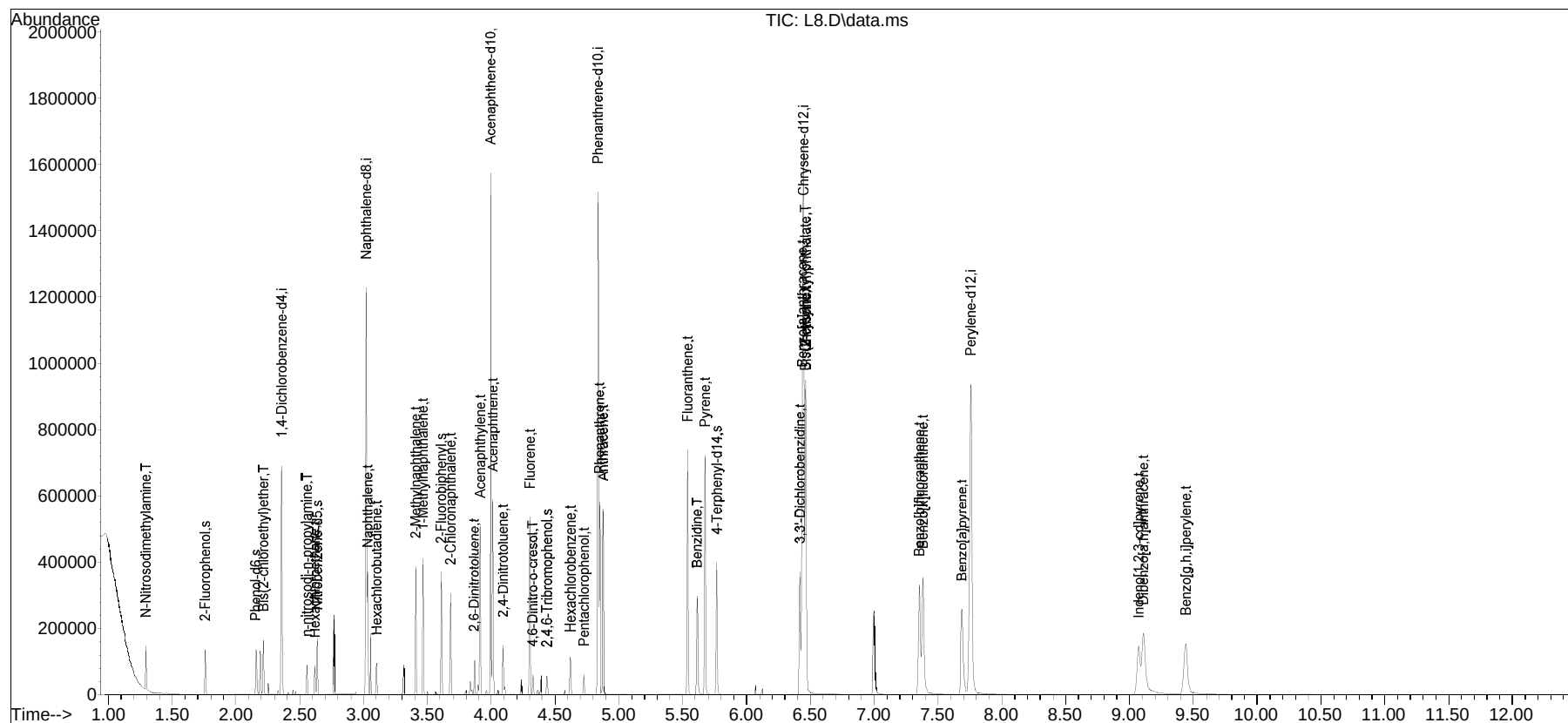
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250625RVTical\
 Data File : L8.D
 Acq On : 25 Jun 2025 08:40 pm
 Operator : sv119:ljg
 Sample : IL8,32,,1 Lot# 11700
 Misc : WG2084288,,ical
 ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 26 18:28:02 2025
 Quant Method : I:\8270SIM\sv119\250625RVTical\SIM-RVT_250625_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Jun 26 18:28:59 2025
 Response via : Initial Calibration

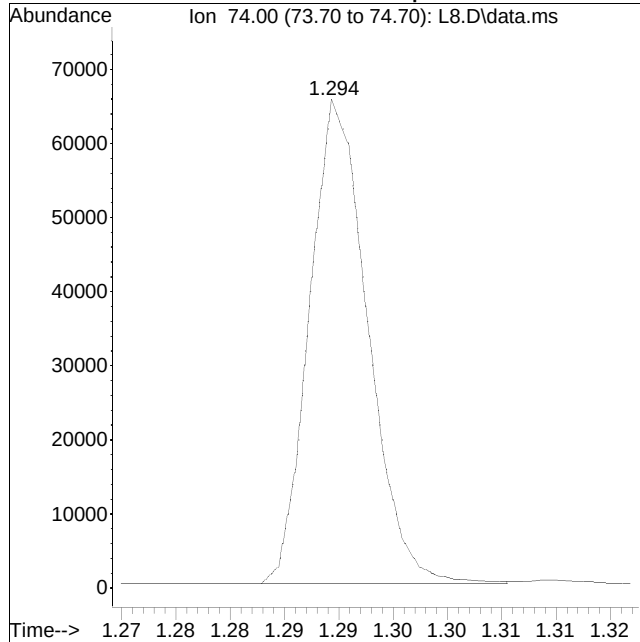
Sub List : Default - All compounds listedical\L8.D•



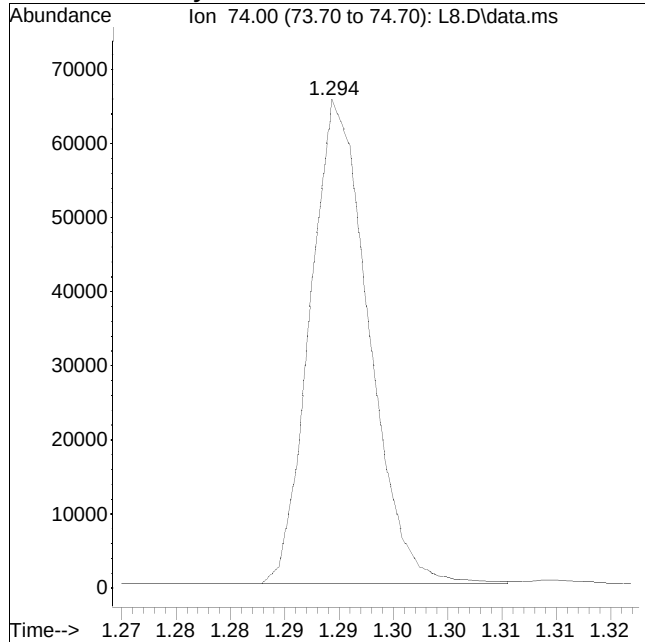
Manual Integration Report

Data Path : I:\8270SIM\sv119\250625RVT\Method : SIM-RVT_250625_sv119.M
Data File : L8.D Operator : sv119:ljg
Date Inj'd : 6/25/2025 8:40 pm Instrument : SV119
Sample : IL8,32,,1 Lot# 11700 Quant Date : 6/26/2025 6:28 pm

Compound #2: N-Nitrosodimethylamine



Original Peak Response = 24464



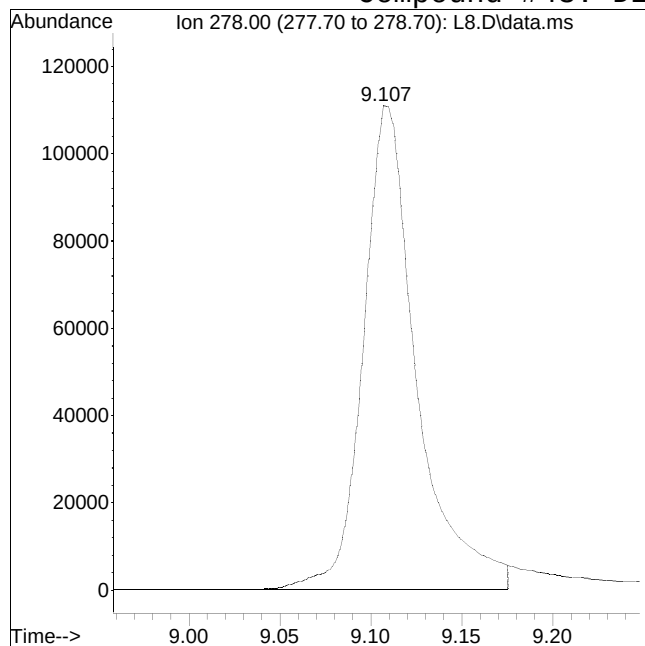
Manual Peak Response = 24464 M7

M7 = A qualifier ion was manually integrated (only for GC/MS data).

Manual Integration Report

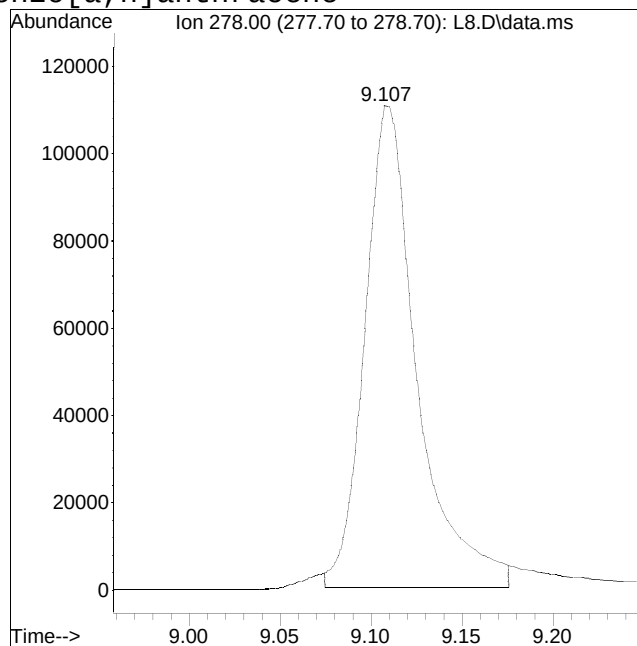
Data Path : I:\8270SIM\sv119\250625RVT\Method : SIM-RVT_250625_sv119.M
Data File : L8.D Operator : sv119:ljl
Date Inj'd : 6/25/2025 8:40 pm Instrument : SV119
Sample : IL8,32,,1 Lot# 11700 Quant Date : 6/26/2025 6:28 pm

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 227302

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Peak Response = 219901 M6

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250625RVTical\
 Data File : L7.D
 Acq On : 25 Jun 2025 08:57 pm
 Operator : sv119:ljl
 Sample : IL7,32,,0.5 Lot# 11701
 Misc : WG2084288,,ical
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 26 18:27:58 2025
 Quant Method : I:\8270SIM\sv119\250625RVTical\SIM-RVT_250625_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Jun 26 18:28:54 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\250625RVTical\L8.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.357	152	133049	4000.000	ng/ml	0.00
Standard Area 1 = 144221			Recovery	=	92.25%	
9) Naphthalene-d8	3.019	136	513211	4000.000	ng/ml	0.00
Standard Area 1 = 566700			Recovery	=	90.56%	
18) Acenaphthene-d10	3.994	164	307627	4000.000	ng/ml	0.00
Standard Area 1 = 346174			Recovery	=	88.86%	
23) Phenanthrene-d10	4.837	188	633452	4000.000	ng/ml	0.00
Standard Area 1 = 720898			Recovery	=	87.87%	
33) Chrysene-d12	6.447	240	798183	4000.000	ng/ml	0.00
Standard Area 1 = 872550			Recovery	=	91.48%	
38) Perylene-d12	7.759	264	812958	4000.000	ng/ml	0.00
Standard Area 1 = 911236			Recovery	=	89.21%	
System Monitoring Compounds						
3) 2-Fluorophenol	1.755	112	18916	492.001	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	24.60%	
4) Phenol-d6	2.159	99	23792	498.200	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	24.91%	
8) Nitrobenzene-d5	2.636	82	20858	476.966	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	47.70%	
14) 2-Fluorobiphenyl	3.611	172	57651	501.303	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	50.13%	
22) 2,4,6-Tribromophenol	4.440	330	8889	503.272	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	25.16%	
32) 4-Terphenyl-d14	5.767	244	90299	515.631	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	51.56%	
Target Compounds						
						Qvalue
2) N-Nitrosodimethylamine	1.293	74	11774M7	515.269	ng/mL	
5) Bis(2-chloroethyl)ether	2.214	93	19692	474.602	ng/ml	97
6) n-nitrosodi-n-propylamine	2.554	70	15097	488.382	ng/ml	98
7) Hexachloroethane	2.618	117	8572	501.796	ng/ml	99
10) Naphthalene	3.031	128	67207	482.192	ng/ml	100
11) Hexachlorobutadiene	3.102	225	13053	499.251	ng/ml	100
12) 2-Methylnaphthalene	3.410	142	42675	480.692	ng/ml	100
13) 1-Methylnaphthalene	3.466	142	44683	497.657	ng/ml	100
15) 2-Chloronaphthalene	3.678	162	48901	505.861	ng/ml	97
16) 2,6-Dinitrotoluene	3.868	165	9841	472.101	ng/ml	98
17) Acenaphthylene	3.912	152	83227	512.526	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250625RVTical\
 Data File : L7.D
 Acq On : 25 Jun 2025 08:57 pm
 Operator : sv119:ljl
 Sample : IL7,32,,0.5 Lot# 11701
 Misc : WG2084288,,ical
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 26 18:27:58 2025
 Quant Method : I:\8270SIM\sv119\250625RVTical\SIM-RVT_250625_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Jun 26 18:28:54 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\250625RVTical\L8.D
 Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19)	Acenaphthene	4.009	153	51039	501.080	ng/ml	99
20)	2,4-Dinitrotoluene	4.095	165	13593	486.755	ng/ml	98
21)	Fluorene	4.303	166	61605	501.874	ng/ml	100
24)	4,6-Dinitro-o-cresol	4.325	198	7007	445.059	ng/ml	99
25)	Hexachlorobenzene	4.621	284	22020	493.089	ng/ml	96
26)	Pentachlorophenol	4.728	266	7174	414.716	ng/ml	99
27)	Phenanthrene	4.849	178	94623	493.849	ng/ml	99
28)	Anthracene	4.878	178	98598	509.581	ng/ml	100
29)	Fluoranthene	5.539	202	129239	512.094	ng/ml	99
30)	Pyrene	5.675	202	136207	512.856	ng/ml	100
31)	Benzidine	5.615	184	33838	346.947	ng/mL	99
34)	Benzo[a]anthracene	6.438	228	137295	501.348	ng/ml	100
35)	3,3'-Dichlorobenzidine	6.419	252	54713	513.560	ng/ml	100
36)	Chrysene	6.464	228	135772	526.764	ng/ml	99
37)	Bis(2-ethylhexyl)phtha...	6.461	149	68696	480.852	ng/ml	100
39)	Benzo[b]fluoranthene	7.350	252	118764	528.684	ng/ml	98
40)	Benzo[k]fluoranthene	7.378	252	137962	531.014	ng/ml	99
41)	Benzo[a]pyrene	7.688	252	116170	544.314	ng/ml	100
42)	Indeno[1,2,3-cd]pyrene	9.068	276	84822	456.663	ng/ml	98
43)	Dibenzo[a,h]anthracene	9.103	278	91750M6	477.768	ng/ml	
44)	Benzo[g,h,i]perylene	9.431	276	108301	546.337	ng/ml	99

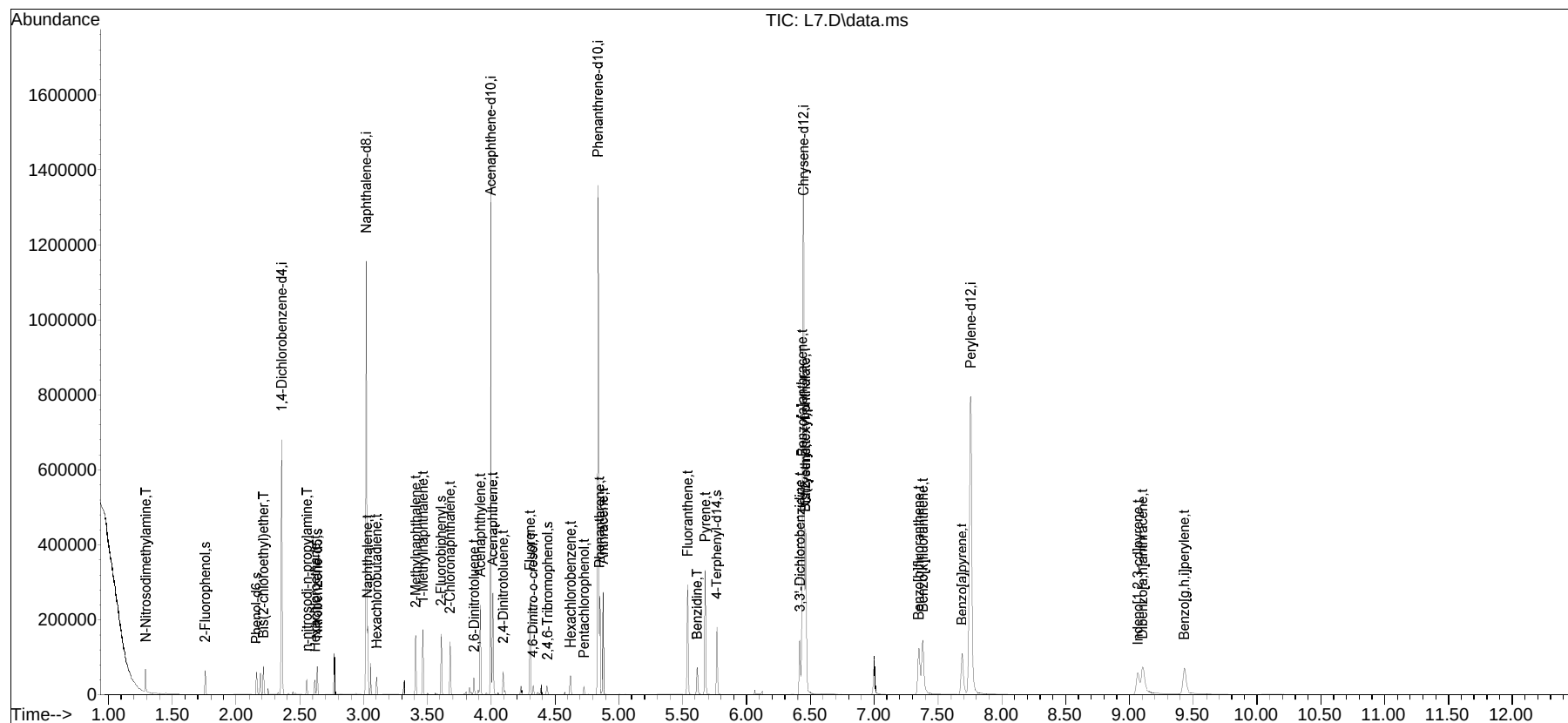
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250625RVTical\
 Data File : L7.D
 Acq On : 25 Jun 2025 08:57 pm
 Operator : sv119:ljg
 Sample : IL7,32,,0.5 Lot# 11701
 Misc : WG2084288,,ical
 ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 26 18:27:58 2025
 Quant Method : I:\8270SIM\sv119\250625RVTical\SIM-RVT_250625_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Jun 26 18:28:54 2025
 Response via : Initial Calibration

Sub List : Default - All compounds listedical\L8.D•

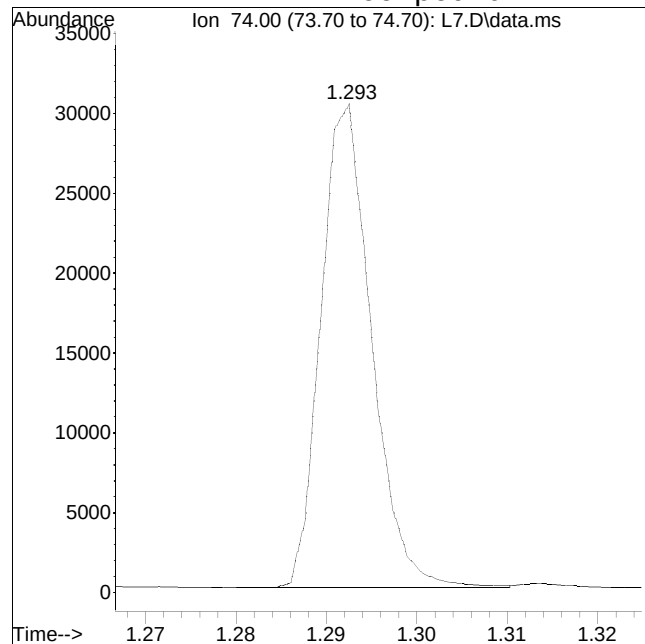


Manual Integration Report

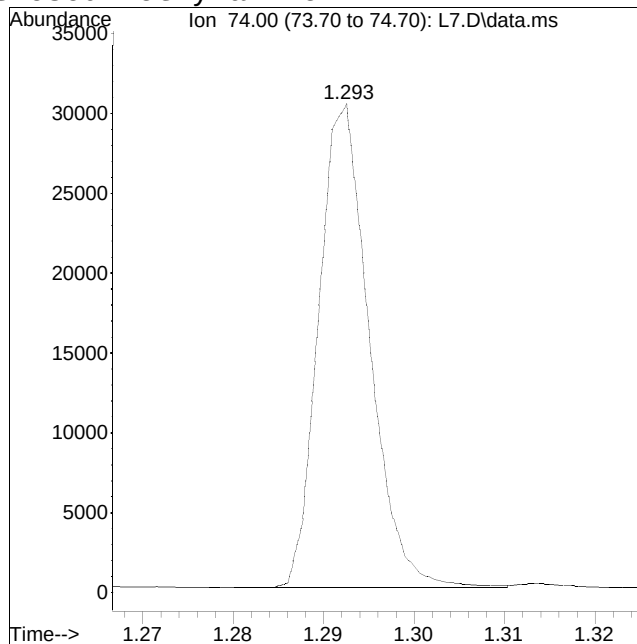
Data Path : I:\8270SIM\sv119\250625RVT001
Data File : L7.D
Date Inj'd : 6/25/2025 8:57 pm
Sample : IL7,32,,0.5 Lot# 11701

Method : SIM-RVT_250625_sv119.M
Operator : sv119:ljl
Instrument : SV119
Quant Date : 6/26/2025 6:28 pm

Compound #2: N-Nitrosodimethylamine



Original Peak Response = 11774



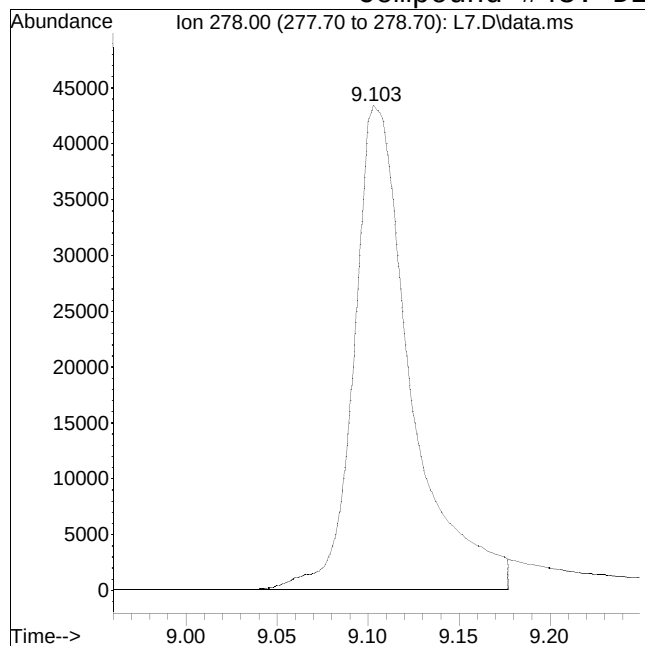
Manual Peak Response = 11774 M7

M7 = A qualifier ion was manually integrated (only for GC/MS data).

Manual Integration Report

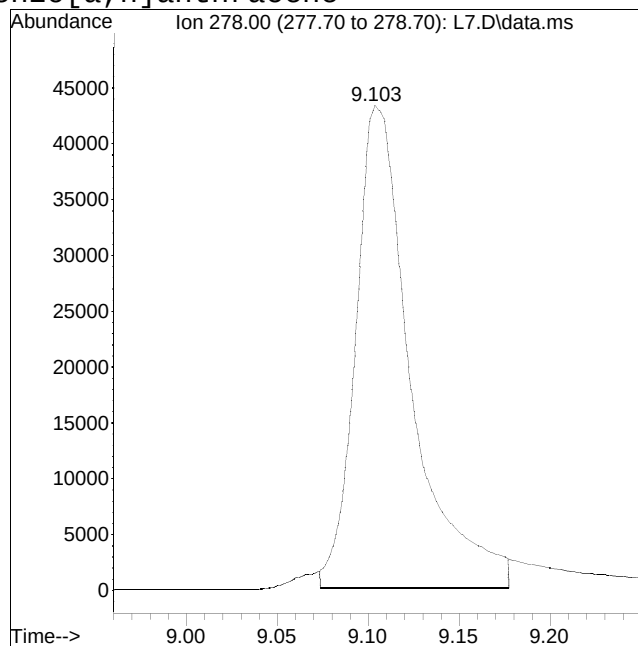
Data Path : I:\8270SIM\sv119\250625RVT
Data File : L7.D Operator : sv119:ljl
Date Inj'd : 6/25/2025 8:57 pm Instrument : SV119
Sample : IL7,32,,0.5 Lot# 11701 Quant Date : 6/26/2025 6:28 pm

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 94479

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Peak Response = 91750 M6

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250625RVTical\
 Data File : L6.D
 Acq On : 25 Jun 2025 09:14 pm
 Operator : sv119:ljl
 Sample : IL6,32,,0.1 Lot# 11702
 Misc : WG2084288,,ical
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 26 18:27:53 2025
 Quant Method : I:\8270SIM\sv119\250625RVTical\SIM-RVT_250625_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Jun 26 18:28:49 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\250625RVTical\L6.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.357	152	132011	4000.000	ng/ml	0.00
Standard Area 1 = 144221			Recovery =	91.53%		
9) Naphthalene-d8	3.019	136	502383	4000.000	ng/ml	0.00
Standard Area 1 = 566700			Recovery =	88.65%		
18) Acenaphthene-d10	3.994	164	290747	4000.000	ng/ml	0.00
Standard Area 1 = 346174			Recovery =	83.99%		
23) Phenanthrene-d10	4.837	188	597597	4000.000	ng/ml	0.00
Standard Area 1 = 720898			Recovery =	82.90%		
33) Chrysene-d12	6.445	240	702985	4000.000	ng/ml	0.00
Standard Area 1 = 872550			Recovery =	80.57%		
38) Perylene-d12	7.756	264	683358	4000.000	ng/ml	0.00
Standard Area 1 = 911236			Recovery =	74.99%		
System Monitoring Compounds						
3) 2-Fluorophenol	1.754	112	3625	95.027	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery =	4.75%#		
4) Phenol-d6	2.159	99	4506	95.097	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery =	4.75%#		
8) Nitrobenzene-d5	2.636	82	3827	88.201	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery =	8.82%#		
14) 2-Fluorobiphenyl	3.614	172	10899	96.815	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery =	9.68%#		
22) 2,4,6-Tribromophenol	4.440	330	1528	91.534	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery =	4.58%#		
32) 4-Terphenyl-d14	5.767	244	15612	94.497	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery =	9.45%#		
Target Compounds						
2) N-Nitrosodimethylamine	1.286	74	2262M7	99.771	ng/mL	
5) Bis(2-chloroethyl)ether	2.214	93	3767	91.503	ng/ml	97
6) n-nitrosodi-n-propylamine	2.554	70	2777	90.541	ng/ml	100
7) Hexachloroethane	2.619	117	1624	95.815	ng/ml	98
10) Naphthalene	3.031	128	13015	95.392	ng/ml	100
11) Hexachlorobutadiene	3.102	225	2493	97.407	ng/ml	100
12) 2-Methylnaphthalene	3.410	142	7926	91.203	ng/ml	100
13) 1-Methylnaphthalene	3.466	142	8389	95.446	ng/ml	100
15) 2-Chloronaphthalene	3.681	162	9131	96.492	ng/ml	97
16) 2,6-Dinitrotoluene	3.868	165	1634	80.077	ng/ml	98
17) Acenaphthylene	3.912	152	15010	94.426	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250625RVTical\
 Data File : L6.D
 Acq On : 25 Jun 2025 09:14 pm
 Operator : sv119:ljb
 Sample : IL6,32,,0.1 Lot# 11702
 Misc : WG2084288,,ical
 ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 26 18:27:53 2025
 Quant Method : I:\8270SIM\sv119\250625RVTical\SIM-RVT_250625_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Jun 26 18:28:49 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\250625RVTical\L8.D
 Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19)	Acenaphthene	4.012	153	9478	98.453	ng/ml	99
20)	2,4-Dinitrotoluene	4.095	165	2171	82.255	ng/ml	95
21)	Fluorene	4.303	166	11212	96.643	ng/ml	99
24)	4,6-Dinitro-o-cresol	4.327	198	1109	90.911	ng/ml	99
25)	Hexachlorobenzene	4.621	284	3927	93.213	ng/ml	98
26)	Pentachlorophenol	4.728	266	1356M7	84.297	ng/ml	
27)	Phenanthrene	4.850	178	17837	98.679	ng/ml	99
28)	Anthracene	4.878	178	17259	94.551	ng/ml	100
29)	Fluoranthene	5.539	202	22014	92.461	ng/ml	99
30)	Pyrene	5.673	202	23165	92.456	ng/ml	100
31)	Benzidine	5.615	184	326M7	130.059	ng/mL	
34)	Benzo[a]anthracene	6.439	228	23824	92.386	ng/ml	99
35)	3,3'-Dichlorobenzidine	6.419	252	7636	81.381	ng/ml	99
36)	Chrysene	6.462	228	22870	100.746	ng/ml	99
37)	Bis(2-ethylhexyl)phtha...	6.460	149	10577M4	84.062	ng/ml	
39)	Benzo[b]fluoranthene	7.349	252	17015	90.108	ng/ml	98
40)	Benzo[k]fluoranthene	7.377	252	22388M4	102.514	ng/ml	
41)	Benzo[a]pyrene	7.688	252	16498	91.962	ng/ml	100
42)	Indeno[1,2,3-cd]pyrene	9.065	276	12042	81.260	ng/ml	97
43)	Dibenzo[a,h]anthracene	9.106	278	11261M1	74.141	ng/ml	
44)	Benzo[g,h,i]perylene	9.433	276	15417	92.523	ng/ml	99

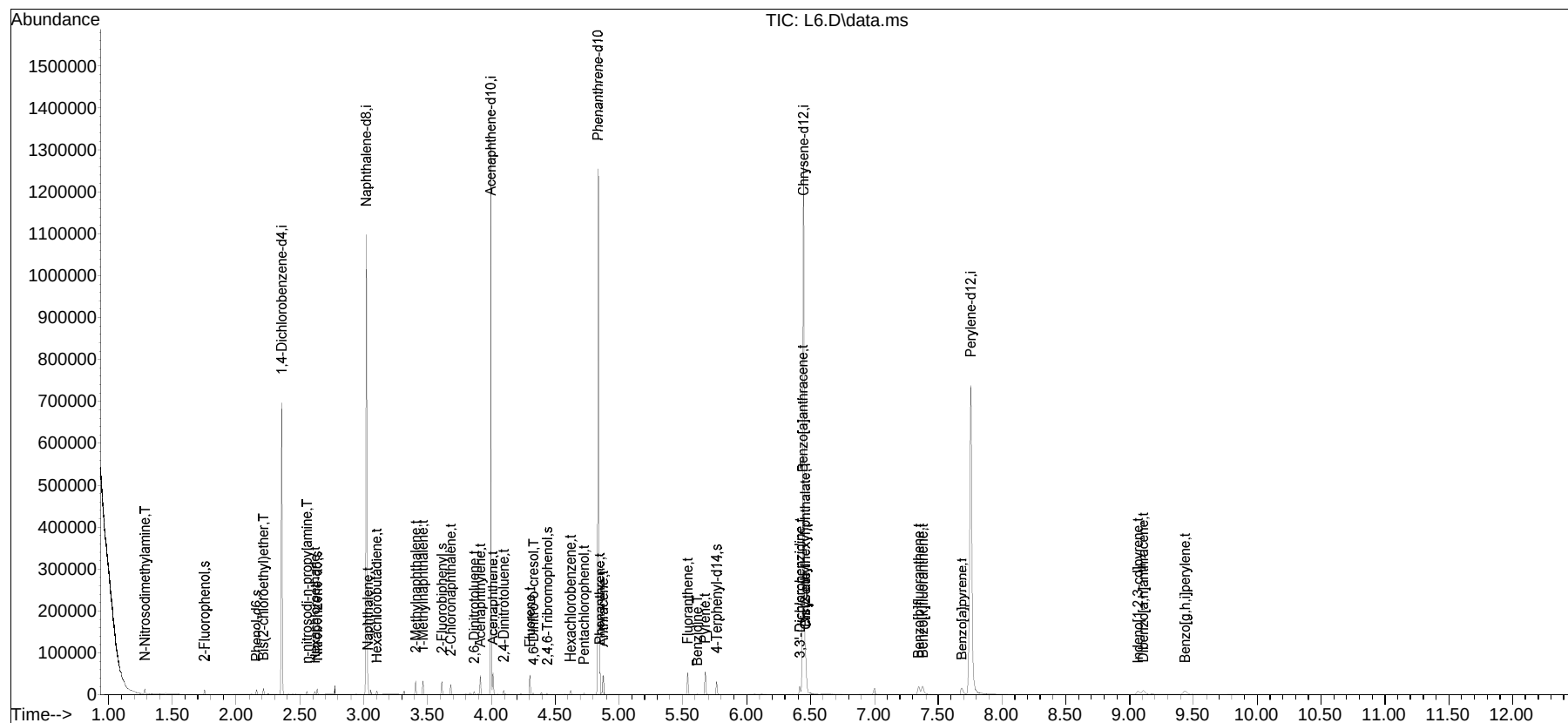
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

```
Data Path : I:\8270SIM\sv119\250625RVTical\
Data File : L6.D
Acq On    : 25 Jun 2025 09:14 pm
Operator  : sv119:ljg
Sample    : IL6,32,,0.1 Lot# 11702
Misc      : WG2084288,,ical
ALS Vial  : 5 Sample Multiplier: 1
```

Quant Time: Jun 26 18:27:53 2025
Quant Method : I:\8270SIM\sv119\250625RVTical\SIM-RVT_250625_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Jun 26 18:28:49 2025
Response via : Initial Calibration

Sub List : Default - All compounds listedical\L8.D•

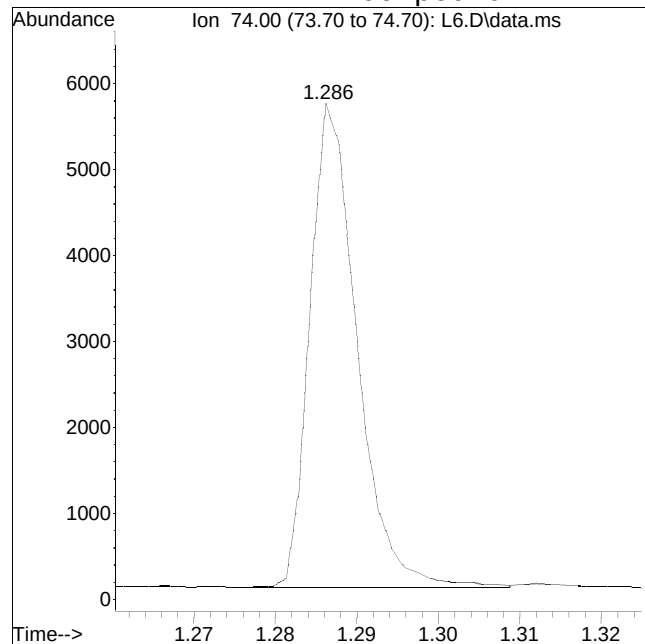


Manual Integration Report

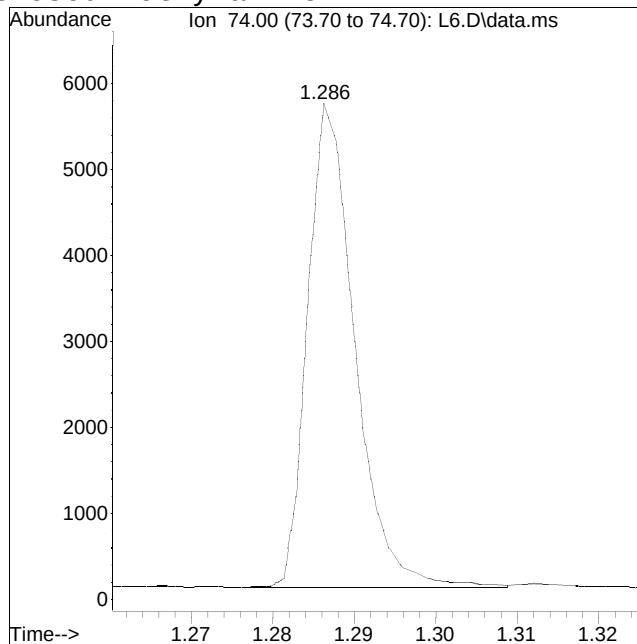
Data Path : I:\8270SIM\sv119\250625RVT\data
Data File : L6.D
Date Inj'd : 6/25/2025 9:14 pm
Sample : IL6,32,,0.1 Lot# 11702

Method : SIM-RVT_250625_sv119.M
Operator : sv119:ljl
Instrument : SV119
Quant Date : 6/26/2025 6:28 pm

Compound #2: N-Nitrosodimethylamine



Original Peak Response = 2262



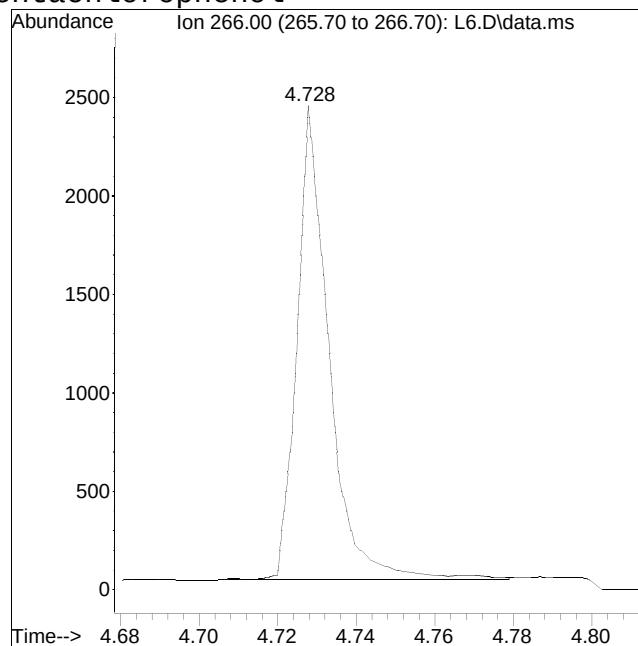
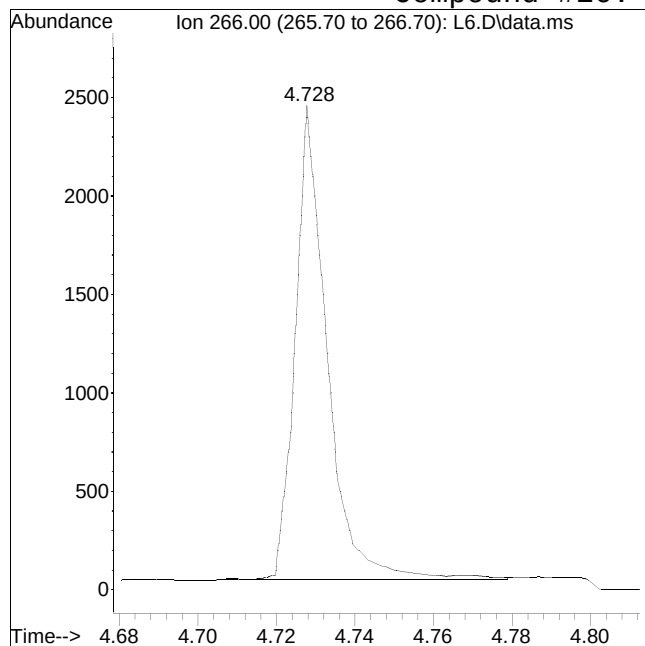
Manual Peak Response = 2262 M7

M7 = A qualifier ion was manually integrated (only for GC/MS data).

Manual Integration Report

Data Path : I:\8270SIM\sv119\250625RVT\data.ms
Data File : L6.D
Date Inj'd : 6/25/2025 9:14 pm
Sample : IL6,32,,0.1 Lot# 11702
Method : SIM-RVT_250625_sv119.M
Operator : sv119:ljg
Instrument : SV119
Quant Date : 6/26/2025 6:28 pm

Compound #26: Pentachlorophenol



Original Peak Response = 1356

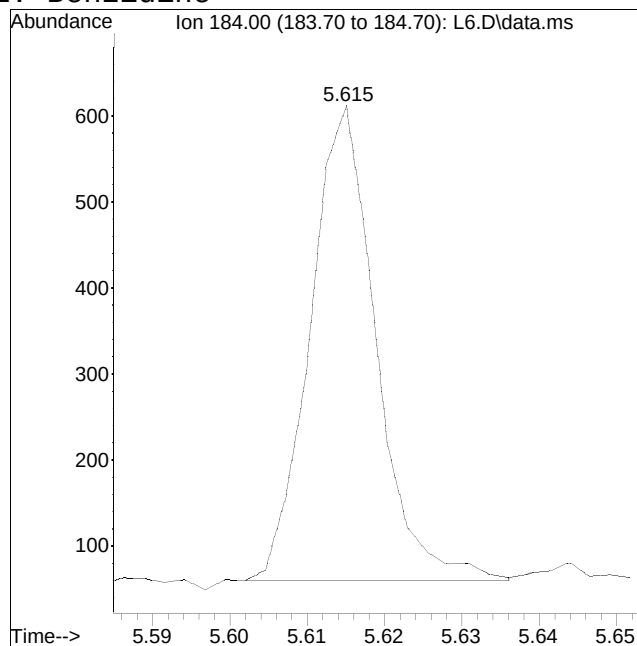
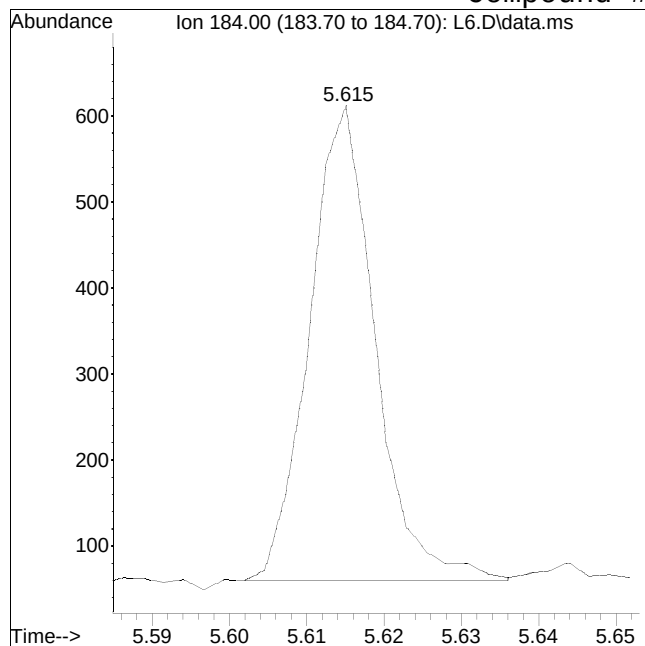
Manual Peak Response = 1356 M7

M7 = A qualifier ion was manually integrated (only for GC/MS data).

Manual Integration Report

Data Path : I:\8270SIM\sv119\250625RVT\data.ms
Data File : L6.D
Date Inj'd : 6/25/2025 9:14 pm
Sample : IL6,32,,0.1 Lot# 11702
Method : SIM-RVT_250625_sv119.M
Operator : sv119:ljj
Instrument : SV119
Quant Date : 6/26/2025 6:28 pm

Compound #31: Benzidine



Original Peak Response = 326

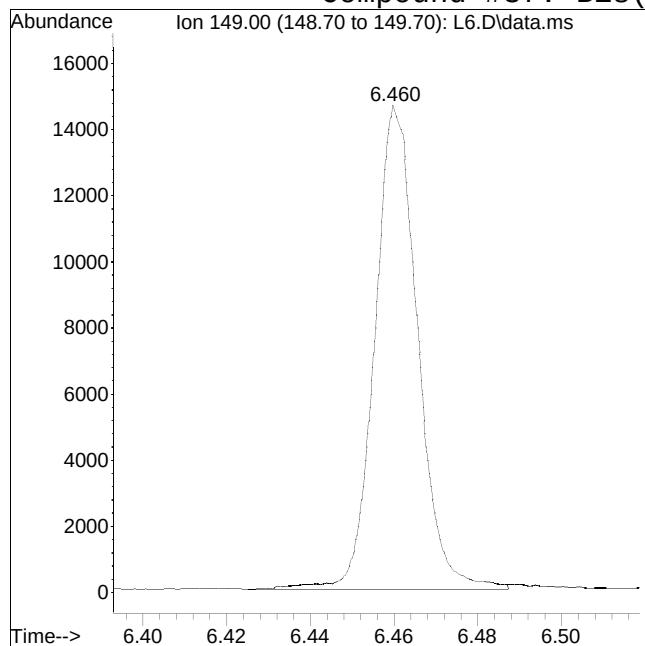
Manual Peak Response = 326 M7

M7 = A qualifier ion was manually integrated (only for GC/MS data).

Manual Integration Report

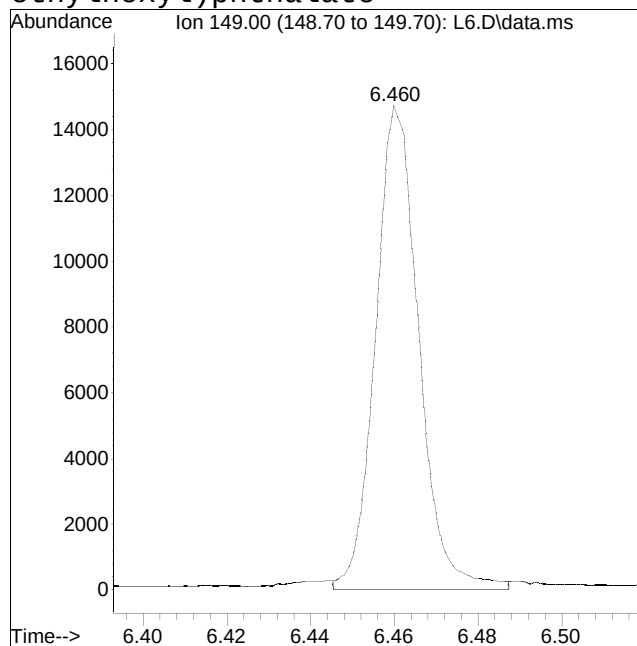
Data Path : I:\8270SIM\sv119\250625RVT01.M
Data File : L6.D
Date Inj'd : 6/25/2025 9:14 pm
Sample : IL6,32,,0.1 Lot# 11702
Method : SIM-RVT_250625_sv119.M
Operator : sv119:ljj
Instrument : SV119
Quant Date : 6/26/2025 6:28 pm

Compound #37: Bis(2-ethylhexyl)phthalate



Original Peak Response = 10503

M4 = Poor automated baseline construction.

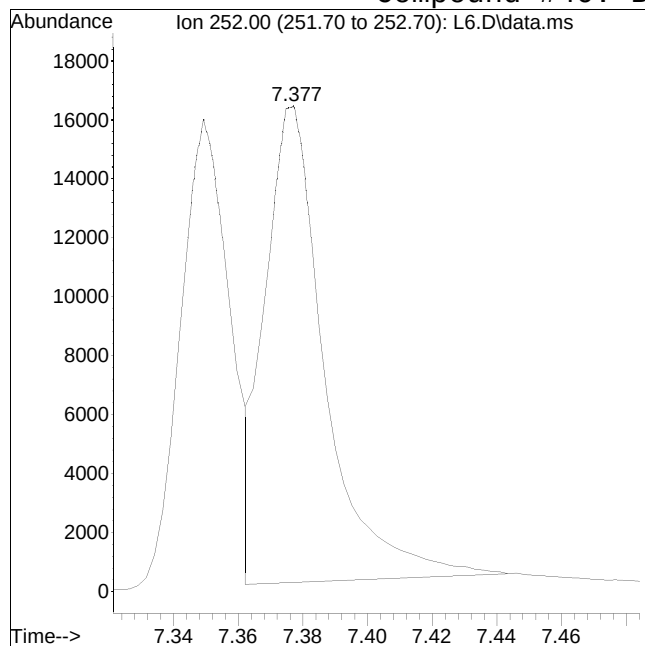


Manual Peak Response = 10577 M4

Manual Integration Report

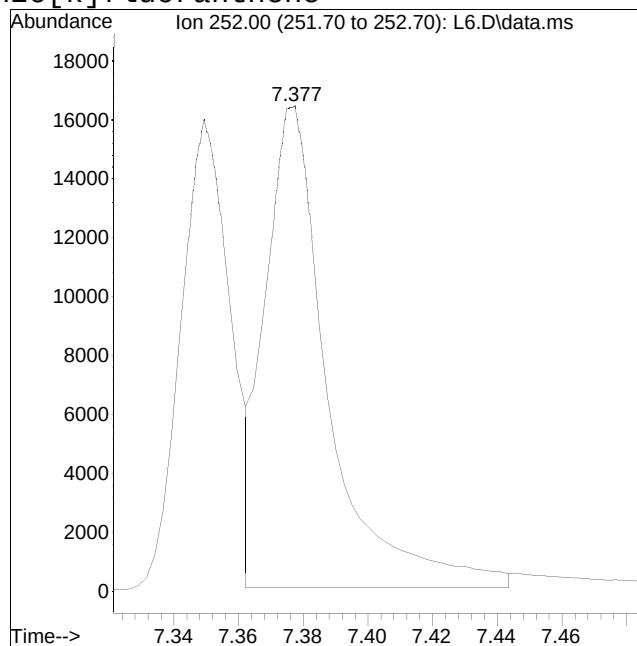
Data Path : I:\8270SIM\sv119\250625RVT\data.ms
Data File : L6.D
Date Inj'd : 6/25/2025 9:14 pm
Sample : IL6,32,,0.1 Lot# 11702
Method : SIM-RVT_250625_sv119.M
Operator : sv119:ljb
Instrument : SV119
Quant Date : 6/26/2025 6:28 pm

Compound #40: Benzo[k]fluoranthene



Original Peak Response = 20976

M4 = Poor automated baseline construction.

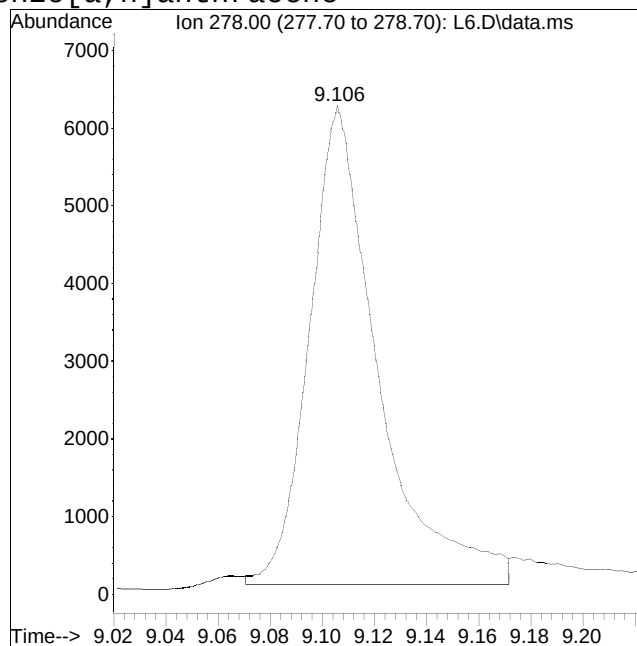
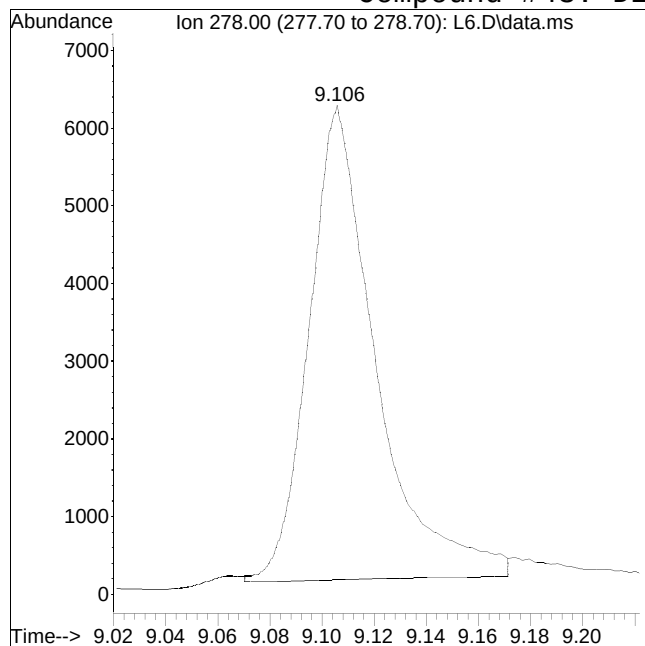


Manual Peak Response = 22388 M4

Manual Integration Report

Data Path : I:\8270SIM\sv119\250625RVT\data.ms
Data File : L6.D
Date Inj'd : 6/25/2025 9:14 pm
Sample : IL6,32,,0.1 Lot# 11702
Method : SIM-RVT_250625_sv119.M
Operator : sv119:ljj
Instrument : SV119
Quant Date : 6/26/2025 6:28 pm

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 10873

Manual Peak Response = 11261 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250625RVTical\
 Data File : L5.D
 Acq On : 25 Jun 2025 09:31 pm
 Operator : sv119:ljl
 Sample : IL5,32,,0.04 Lot# 11703
 Misc : WG2084288,,ical
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 27 07:59:40 2025
 Quant Method : I:\8270SIM\sv119\250625RVTical\SIM-RVT_250625_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Jun 26 18:28:44 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\250625RVTical\L8.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.361	152	190905	4000.000	ng/ml	0.00
Standard Area 1 = 144221			Recovery	=	132.37%	
9) Naphthalene-d8	3.022	136	738628	4000.000	ng/ml	0.00
Standard Area 1 = 566700			Recovery	=	130.34%	
18) Acenaphthene-d10	3.994	164	425510	4000.000	ng/ml	0.00
Standard Area 1 = 346174			Recovery	=	122.92%	
23) Phenanthrene-d10	4.838	188	856950	4000.000	ng/ml	0.00
Standard Area 1 = 720898			Recovery	=	118.87%	
33) Chrysene-d12	6.443	240	1021721	4000.000	ng/ml	0.00
Standard Area 1 = 872550			Recovery	=	117.10%	
38) Perylene-d12	7.755	264	981066	4000.000	ng/ml	0.00
Standard Area 1 = 911236			Recovery	=	107.66%	
System Monitoring Compounds						
3) 2-Fluorophenol	1.763	112	2195	39.789	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	1.99%#	
4) Phenol-d6	2.160	99	2778	40.541	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	2.03%#	
8) Nitrobenzene-d5	2.638	82	2445	38.966	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	3.90%#	
14) 2-Fluorobiphenyl	3.614	172	6738	40.709	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	4.07%#	
22) 2,4,6-Tribromophenol	4.440	330	947M6	38.763	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	1.94%#	
32) 4-Terphenyl-d14	5.765	244	9901	41.792	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	4.18%#	
Target Compounds						
						Qvalue
2) N-Nitrosodimethylamine	1.308	74	1257M4	38.339	ng/mL	
5) Bis(2-chloroethyl)ether	2.218	93	2295	38.549	ng/ml	97
6) n-nitrosodi-n-propylamine	2.557	70	1742	39.275	ng/ml	99
7) Hexachloroethane	2.621	117	1036	42.267	ng/ml	99
10) Naphthalene	3.031	128	7809	38.929	ng/ml	99
11) Hexachlorobutadiene	3.105	225	1516	40.288	ng/ml	100
12) 2-Methylnaphthalene	3.411	142	5020	39.289	ng/ml	100
13) 1-Methylnaphthalene	3.466	142	5169	40.000	ng/ml	98
15) 2-Chloronaphthalene	3.681	162	5666	40.725	ng/ml	97
16) 2,6-Dinitrotoluene	3.868	165	1060	35.332	ng/ml	99

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250625RVTical\
 Data File : L5.D
 Acq On : 25 Jun 2025 09:31 pm
 Operator : sv119:ljb
 Sample : IL5,32,,0.04 Lot# 11703
 Misc : WG2084288,,ical
 ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 27 07:59:40 2025
 Quant Method : I:\8270SIM\sv119\250625RVTical\SIM-RVT_250625_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Jun 26 18:28:44 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\250625RVTical\L8.D
 Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
17)	Acenaphthylene	3.912	152	9545	40.841	ng/ml	100
19)	Acenaphthene	4.012	153	5708	40.514	ng/ml	100
20)	2,4-Dinitrotoluene	4.097	165	1346	34.846	ng/ml	97
21)	Fluorene	4.303	166	6859	40.397	ng/ml	99
24)	4,6-Dinitro-o-cresol	4.328	198	685	50.270	ng/ml	95
25)	Hexachlorobenzene	4.622	284	2483	41.100	ng/ml	97
26)	Pentachlorophenol	4.732	266	987M6	42.046	ng/ml	
27)	Phenanthrene	4.851	178	10400	40.123	ng/ml	99
28)	Anthracene	4.879	178	10703	40.889	ng/ml	99
29)	Fluoranthene	5.539	202	13657	40.001	ng/ml	99
30)	Pyrene	5.673	202	14561	40.527	ng/ml	99
31)	Benzidine	5.613	184	133	128.458	ng/mL#	1
34)	Benzo[a]anthracene	6.435	228	15989	38.376	ng/ml	95
35)	3,3'-Dichlorobenzidine	6.414	252	4309	31.597	ng/ml	99
36)	Chrysene	6.460	228	13469	40.824	ng/ml	99
37)	Bis(2-ethylhexyl)phtha...	6.457	149	6340M6	34.669	ng/ml	
39)	Benzo[b]fluoranthene	7.346	252	10087	37.209	ng/ml	95
40)	Benzo[k]fluoranthene	7.371	252	12317M4	39.285	ng/ml	
41)	Benzo[a]pyrene	7.681	252	9428	36.605	ng/ml	100
42)	Indeno[1,2,3-cd]pyrene	9.066	276	6712	33.617	ng/ml	99
43)	Dibenzo[a,h]anthracene	9.102	278	6479M6	32.288	ng/ml	
44)	Benzo[g,h,i]perylene	9.429	276	8668	36.234	ng/ml	99

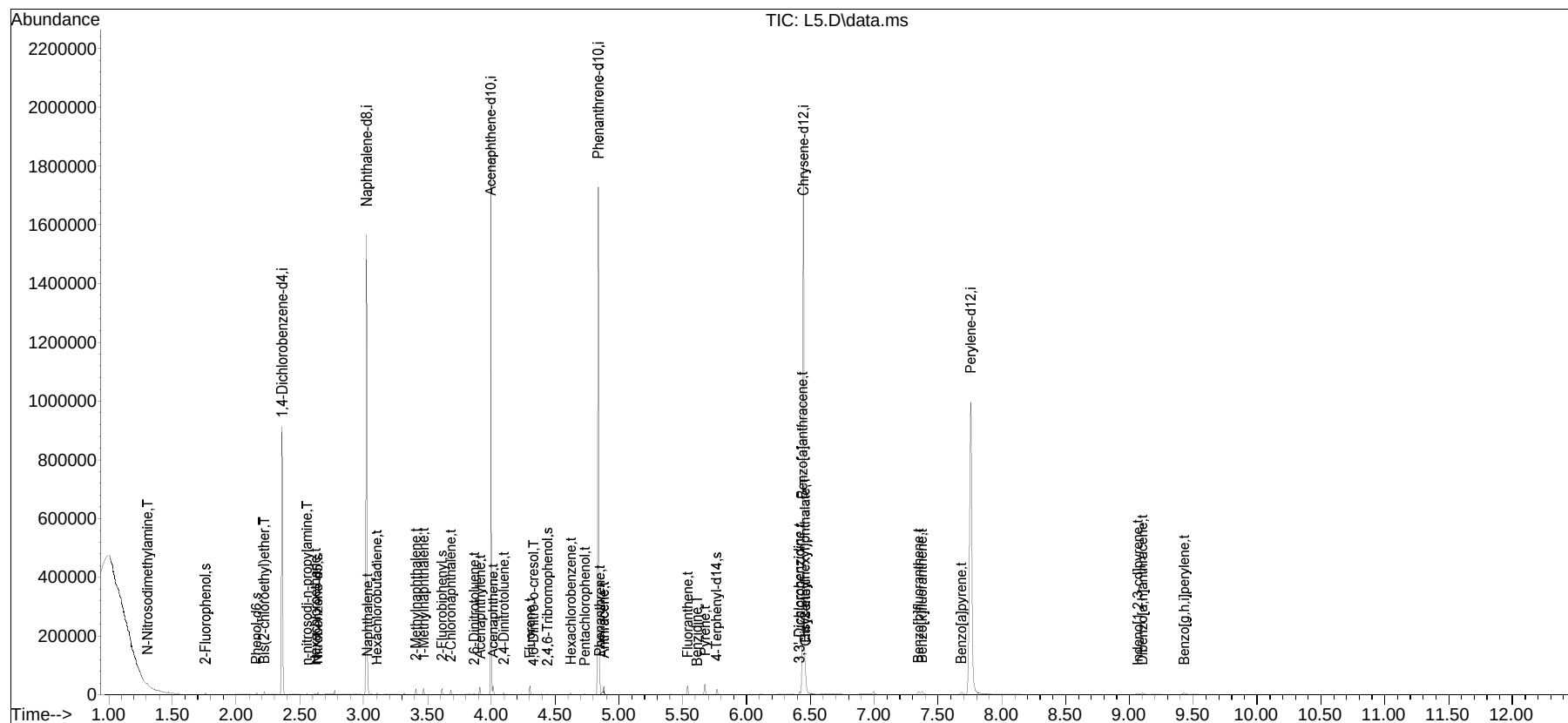
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250625RVTical\
Data File : L5.D
Acq On : 25 Jun 2025 09:31 pm
Operator : sv119:ljg
Sample : IL5,32,,0.04 Lot# 11703
Misc : WG2084288,,ical
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 27 07:59:40 2025
Quant Method : I:\8270SIM\sv119\250625RVTical\SIM-RVT_250625_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Thu Jun 26 18:28:44 2025
Response via : Initial Calibration

Sub List : Default - All compounds listedical\L8.D•

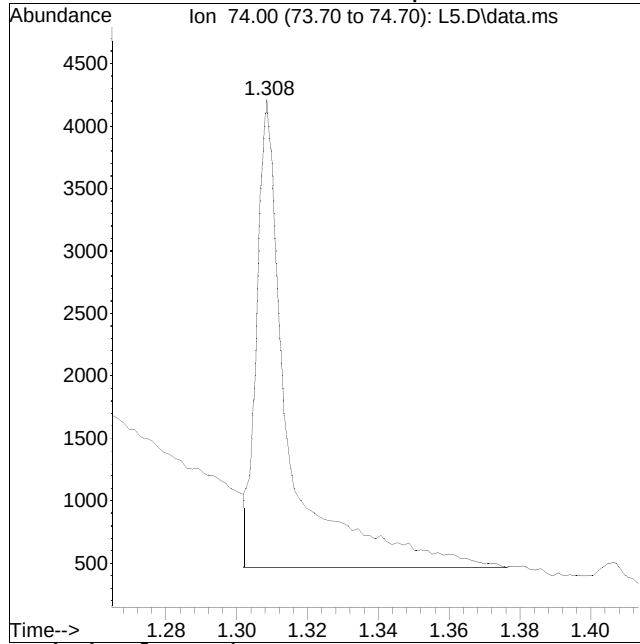


Manual Integration Report

Data Path : I:\8270SIM\sv119\250625RVT\data
Data File : L5.D
Date Inj'd : 6/25/2025 9:31 pm
Sample : IL5,32,,0.04 Lot# 11703

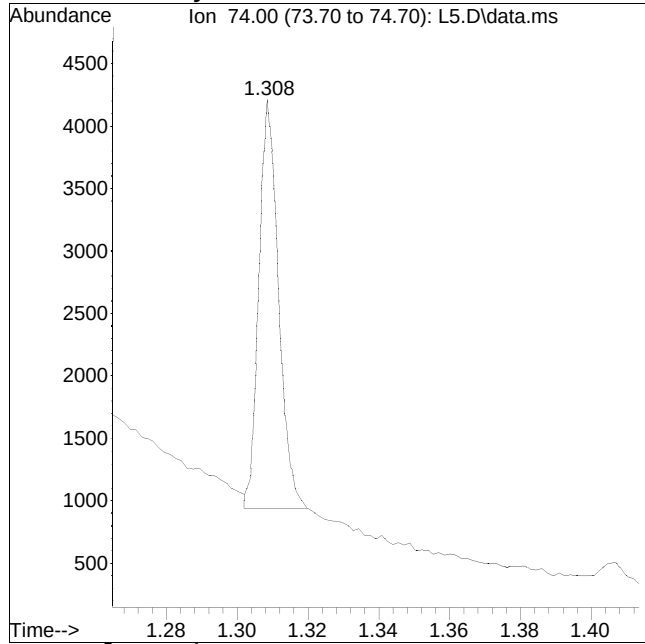
Method : SIM-RVT_250625_sv119.M
Operator : sv119:ljl
Instrument : SV119
Quant Date : 6/26/2025 6:28 pm

Compound #2: N-Nitrosodimethylamine



Original Peak Response = 2404

M4 = Poor automated baseline construction.

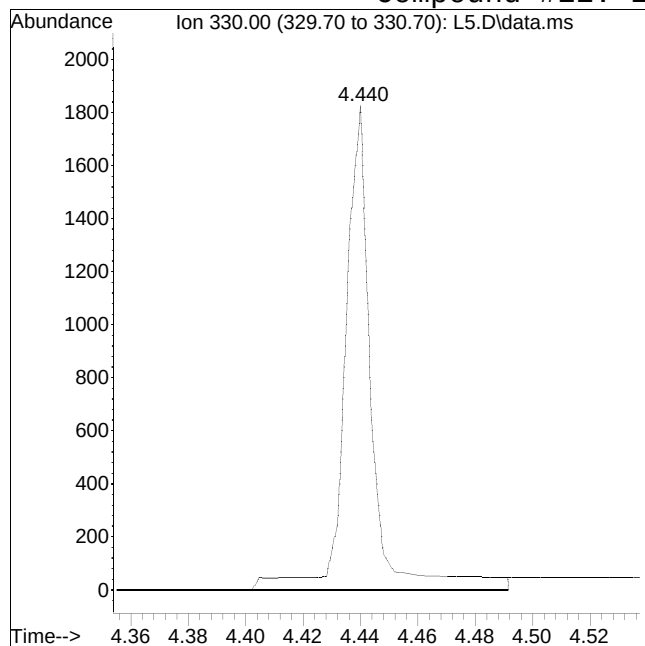


Manual Peak Response = 1257 M4

Manual Integration Report

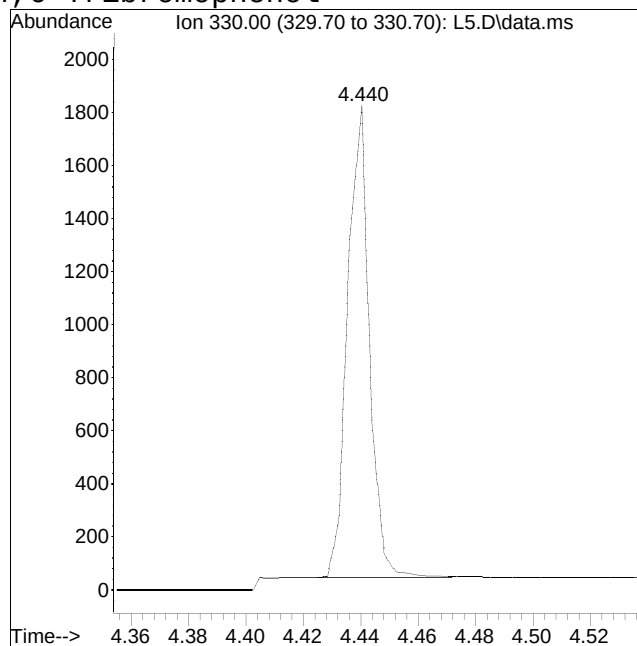
Data Path : I:\8270SIM\sv119\250625RVT\Method : SIM-RVT_250625_sv119.M
Data File : L5.D Operator : sv119:ljg
Date Inj'd : 6/25/2025 9:31 pm Instrument : SV119
Sample : IL5,32,,0.04 Lot# 11703 Quant Date : 6/26/2025 6:28 pm

Compound #22: 2,4,6-Tribromophenol



Original Peak Response = 1154

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

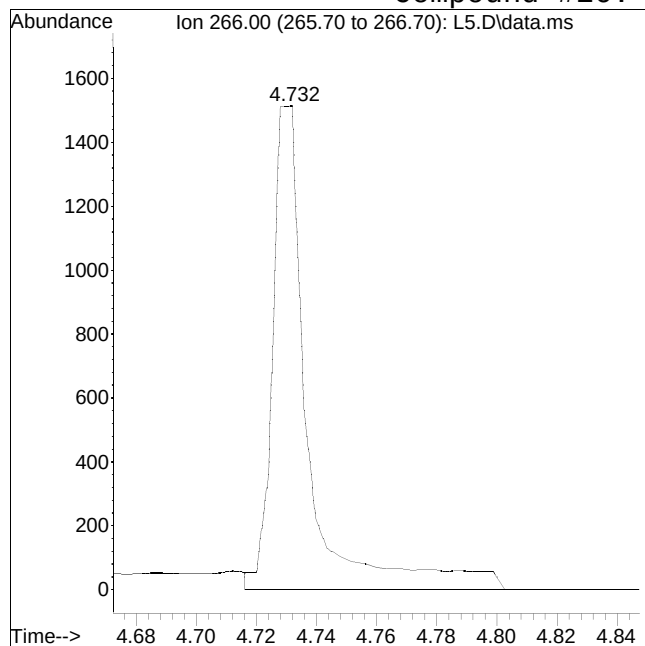


Manual Peak Response = 947 M6

Manual Integration Report

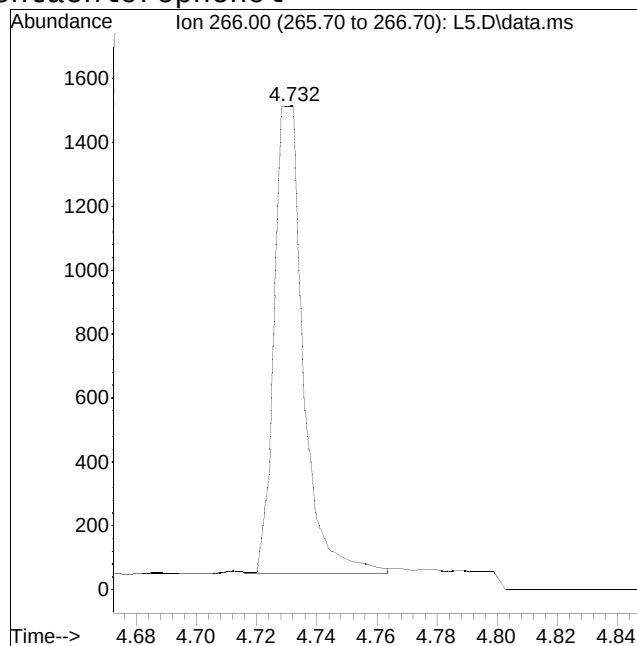
Data Path : I:\8270SIM\sv119\250625RVT_QM119.M
Data File : L5.D
Date Inj'd : 6/25/2025 9:31 pm
Sample : IL5,32,,0.04 Lot# 11703
Method : SIM-RVT_250625_sv119.M
Operator : sv119:ljb
Instrument : SV119
Quant Date : 6/26/2025 6:28 pm

Compound #26: Pentachlorophenol



Original Peak Response = 1212

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

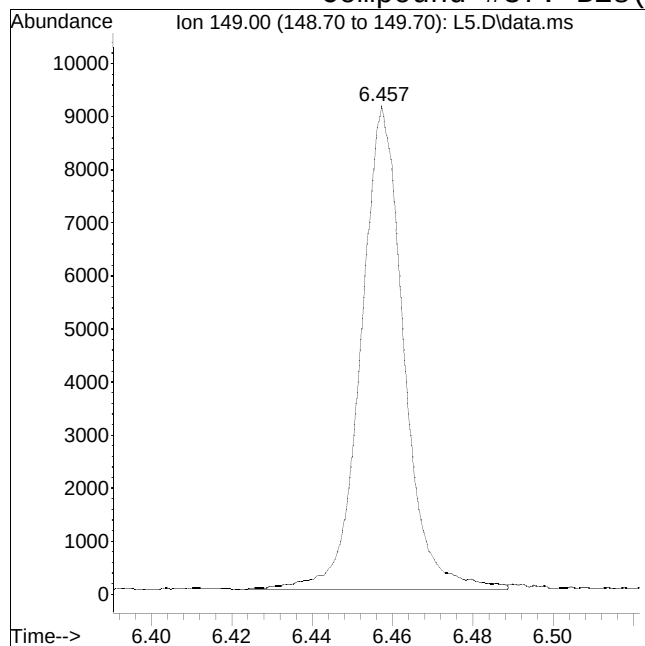


Manual Peak Response = 987 M6

Manual Integration Report

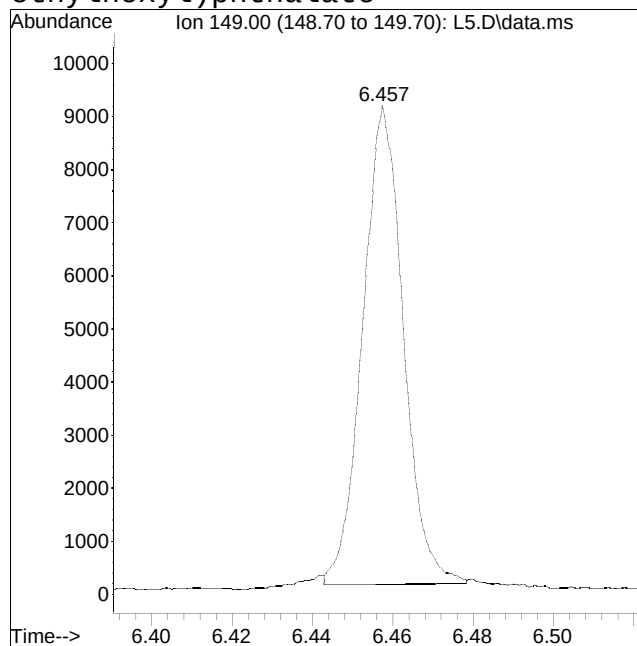
Data Path : I:\8270SIM\sv119\250625RVT\Method : SIM-RVT_250625_sv119.M
Data File : L5.D Operator : sv119:ljl
Date Inj'd : 6/25/2025 9:31 pm Instrument : SV119
Sample : IL5,32,,0.04 Lot# 11703 Quant Date : 6/26/2025 6:28 pm

Compound #37: Bis(2-ethylhexyl)phthalate



Original Peak Response = 6763

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

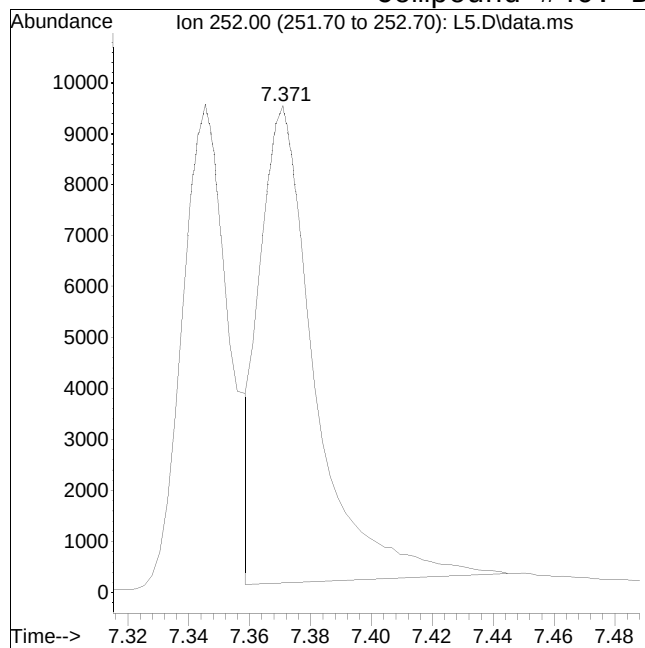


Manual Peak Response = 6340 M6

Manual Integration Report

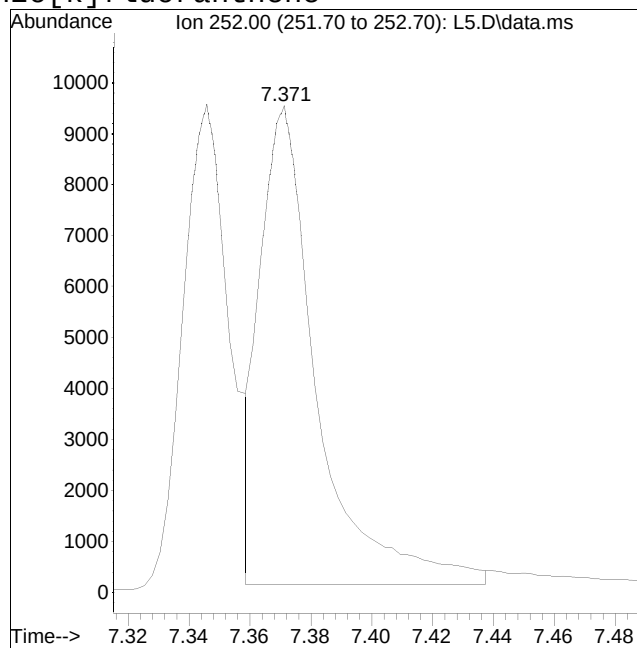
Data Path : I:\8270SIM\sv119\250625RVT01.M
Data File : L5.D
Date Inj'd : 6/25/2025 9:31 pm
Sample : IL5,32,,0.04 Lot# 11703
Method : SIM-RVT_250625_sv119.M
Operator : sv119:ljg
Instrument : SV119
Quant Date : 6/26/2025 6:28 pm

Compound #40: Benzo[k]fluoranthene



Original Peak Response = 11881

M4 = Poor automated baseline construction.

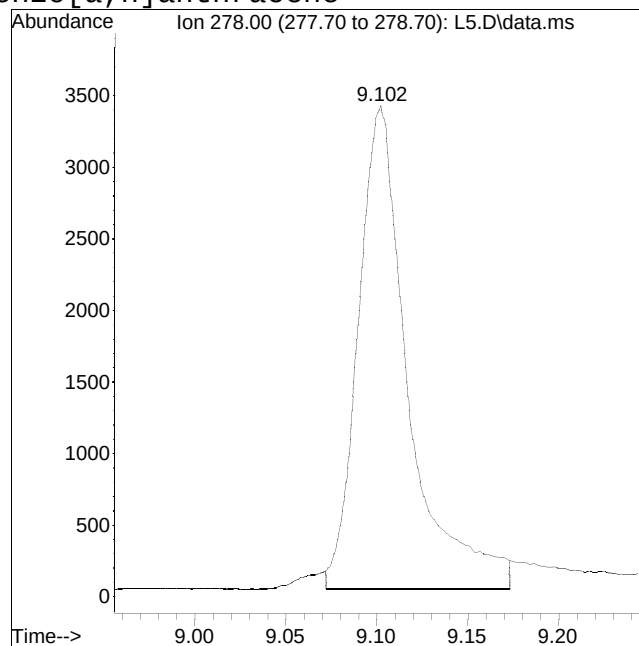
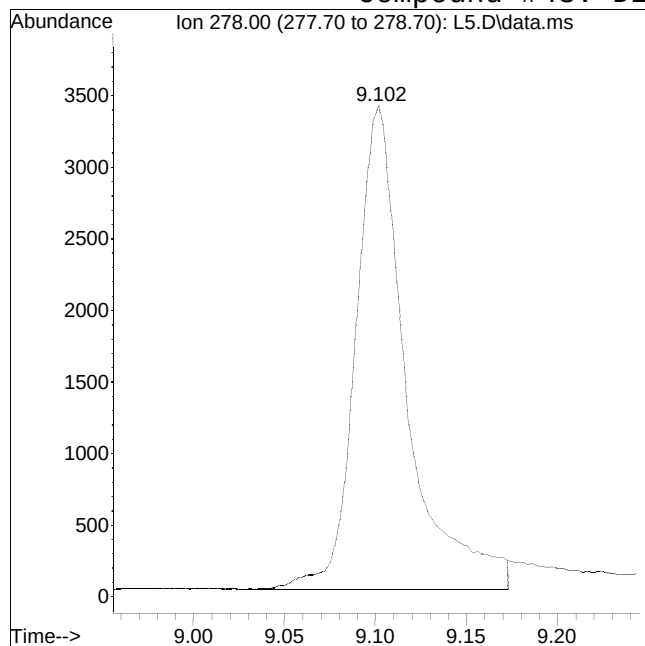


Manual Peak Response = 12317 M4

Manual Integration Report

Data Path : I:\8270SIM\sv119\250625RVT
Data File : L5.D Operator : sv119:ljb
Date Inj'd : 6/25/2025 9:31 pm Instrument : SV119
Sample : IL5,32,,0.04 Lot# 11703 Quant Date : 6/26/2025 6:28 pm

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 6631

Manual Peak Response = 6479 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250625RVTical\
 Data File : L4.D
 Acq On : 25 Jun 2025 09:48 pm
 Operator : sv119:ljg
 Sample : IL4,32,,0.01 Lot# 11704
 Misc : WG2084288,,ical
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 27 08:23:16 2025
 Quant Method : I:\8270SIM\sv119\250625RVTical\SIM-RVT_250625_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Jun 26 18:28:40 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\250625RVTical\L8.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.360	152	177043	4000.000	ng/ml	0.00
Standard Area 1 = 144221			Recovery	=	122.76%	
9) Naphthalene-d8	3.022	136	668935	4000.000	ng/ml	0.00
Standard Area 1 = 566700			Recovery	=	118.04%	
18) Acenaphthene-d10	3.996	164	399165	4000.000	ng/ml	0.00
Standard Area 1 = 346174			Recovery	=	115.31%	
23) Phenanthrene-d10	4.839	188	806503	4000.000	ng/ml	0.00
Standard Area 1 = 720898			Recovery	=	111.87%	
33) Chrysene-d12	6.443	240	1014615	4000.000	ng/ml	0.00
Standard Area 1 = 872550			Recovery	=	116.28%	
38) Perylene-d12	7.756	264	963805	4000.000	ng/ml	0.00
Standard Area 1 = 911236			Recovery	=	105.77%	
System Monitoring Compounds						
3) 2-Fluorophenol	1.763	112	503	9.832	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	0.49%#	
4) Phenol-d6	2.161	99	639	10.056	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	0.50%#	
8) Nitrobenzene-d5	2.638	82	571	9.813	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	0.98%#	
14) 2-Fluorobiphenyl	3.614	172	1536	10.247	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	1.02%#	
22) 2,4,6-Tribromophenol	4.440	330	225M7	9.818	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	0.49%#	
32) 4-Terphenyl-d14	5.764	244	2352	10.549	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	1.05%#	
Target Compounds						
2) N-Nitrosodimethylamine	0.000		0	N.D.	d	
5) Bis(2-chloroethyl)ether	2.220	93	575	10.415	ng/ml	94
6) n-nitrosodi-n-propylamine	2.557	70	399	9.700	ng/ml#	91
7) Hexachloroethane	2.622	117	238	10.470	ng/ml	100
10) Naphthalene	3.034	128	1838	10.117	ng/ml#	95
11) Hexachlorobutadiene	3.105	225	349	10.241	ng/ml	99
12) 2-Methylnaphthalene	3.410	142	1145	9.895	ng/ml	99
13) 1-Methylnaphthalene	3.466	142	1187	10.143	ng/ml	99
15) 2-Chloronaphthalene	3.681	162	1289	10.230	ng/ml	96
16) 2,6-Dinitrotoluene	3.868	165	282	10.379	ng/ml	92

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250625RVTical\
 Data File : L4.D
 Acq On : 25 Jun 2025 09:48 pm
 Operator : sv119:ljb
 Sample : IL4,32,,0.01 Lot# 11704
 Misc : WG2084288,,ical
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 27 08:23:16 2025
 Quant Method : I:\8270SIM\sv119\250625RVTical\SIM-RVT_250625_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Jun 26 18:28:40 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\250625RVTical\L8.D
 Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
17)	Acenaphthylene	3.912	152	2128	10.054	ng/ml	97
19)	Acenaphthene	4.012	153	1353	10.237	ng/ml	93
20)	2,4-Dinitrotoluene	4.097	165	320	8.831	ng/ml	99
21)	Fluorene	4.303	166	1625	10.202	ng/ml	99
24)	4,6-Dinitro-o-cresol	4.330	198	152	26.770	ng/ml	99
25)	Hexachlorobenzene	4.621	284	593	10.430	ng/ml	99
26)	Pentachlorophenol	4.732	266	301M6	12.398	ng/ml	
27)	Phenanthrene	4.851	178	2503	10.260	ng/ml	98
28)	Anthracene	4.879	178	2563	10.404	ng/ml	100
29)	Fluoranthene	5.539	202	3246	10.102	ng/ml	98
30)	Pyrene	5.673	202	3495	10.336	ng/ml	99
31)	Benzidine	5.613	184	80M6	128.229	ng/mL	
34)	Benzo[a]anthracene	6.439	228	6002	9.556	ng/ml#	87
35)	3,3'-Dichlorobenzidine	6.414	252	789	5.826	ng/ml#	97
36)	Chrysene	6.460	228	3362	10.261	ng/ml	97
37)	Bis(2-ethylhexyl)phtha...	6.457	149	1739M6	9.576	ng/ml	
39)	Benzo[b]fluoranthene	7.347	252	2436	9.147	ng/ml	97
40)	Benzo[k]fluoranthene	7.372	252	2900M6	9.415	ng/ml	
41)	Benzo[a]pyrene	7.680	252	2161	8.541	ng/ml	100
42)	Indeno[1,2,3-cd]pyrene	9.062	276	1542	10.371	ng/ml	100
43)	Dibenzo[a,h]anthracene	9.098	278	1387	10.359	ng/ml	96
44)	Benzo[g,h,i]perylene	9.428	276	1955	8.319	ng/ml	100

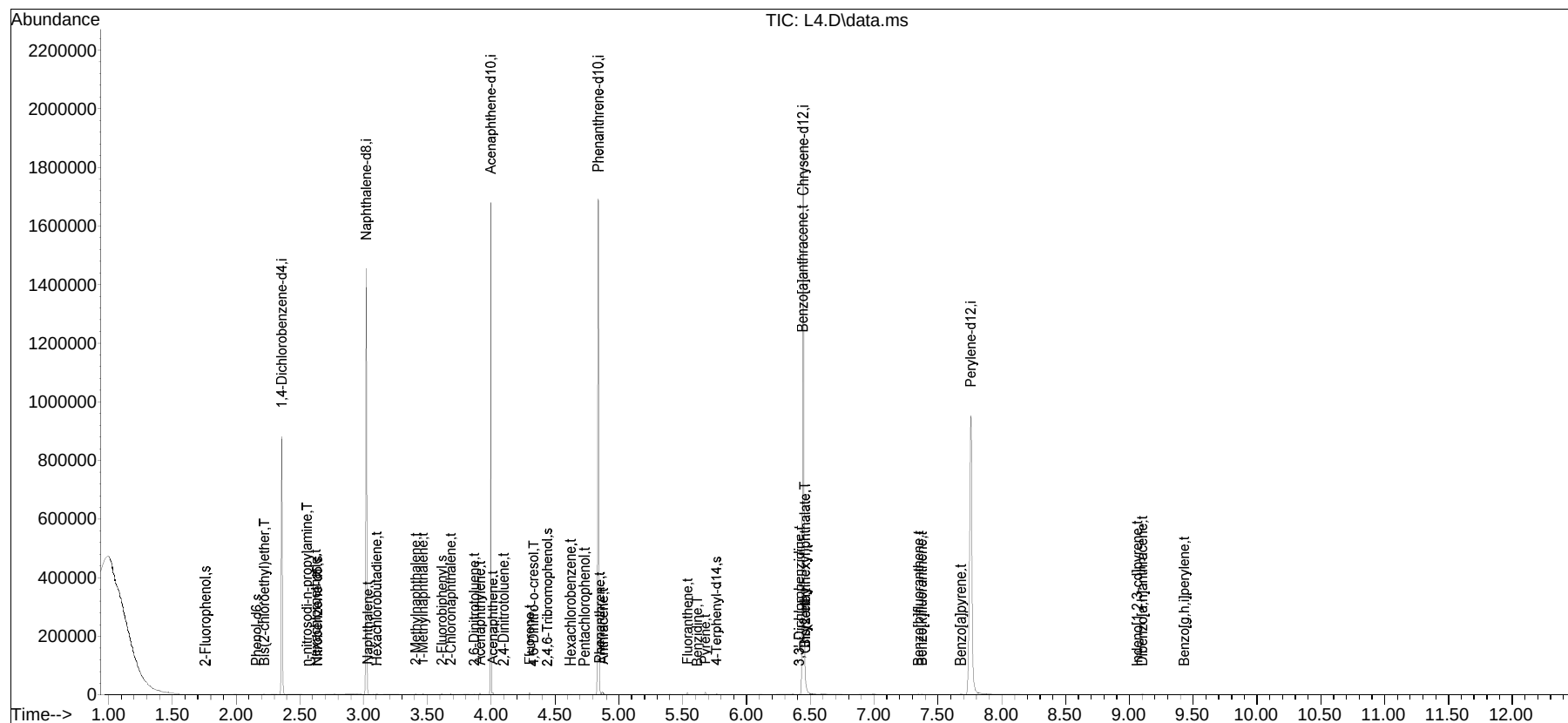
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250625RVTical\
 Data File : L4.D
 Acq On : 25 Jun 2025 09:48 pm
 Operator : sv119:ljg
 Sample : IL4,32,,0.01 Lot# 11704
 Misc : WG2084288,,ical
 ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 27 08:23:16 2025
 Quant Method : I:\8270SIM\sv119\250625RVTical\SIM-RVT_250625_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Jun 26 18:28:40 2025
 Response via : Initial Calibration

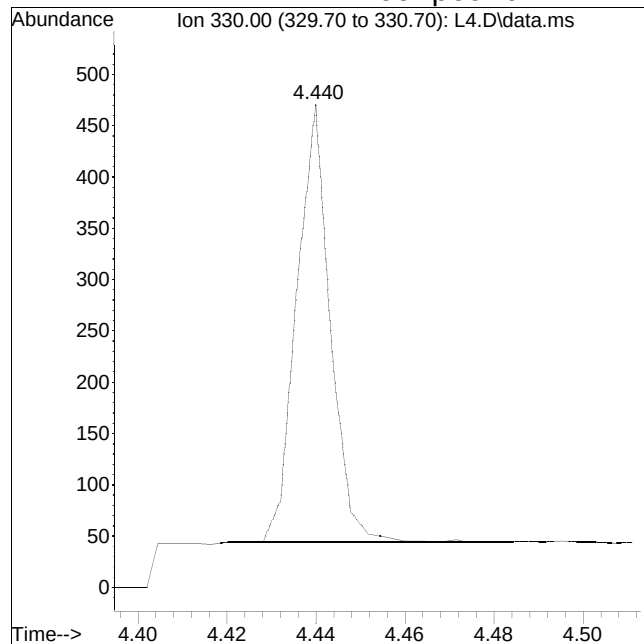
Sub List : Default - All compounds listedical\L8.D•



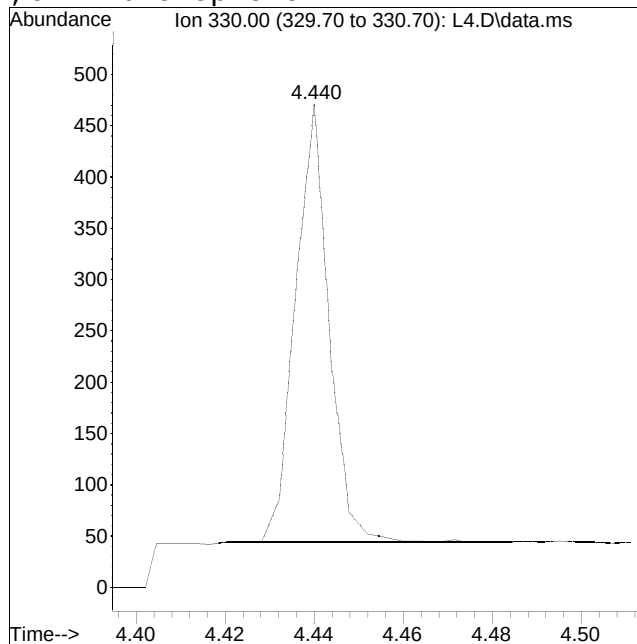
Manual Integration Report

Data Path : I:\8270SIM\sv119\250625RVTQMethod : SIM-RVT_250625_sv119.M
Data File : L4.DOperator : sv119:l.jg
Date Inj'd : 6/25/2025 9:48 pmInstrument : SV119
Sample : IL4,32,,0.01 Lot# 11704Quant Date : 6/26/2025 6:28 pm

Compound #22: 2,4,6-Tribromophenol



Original Peak Response = 225



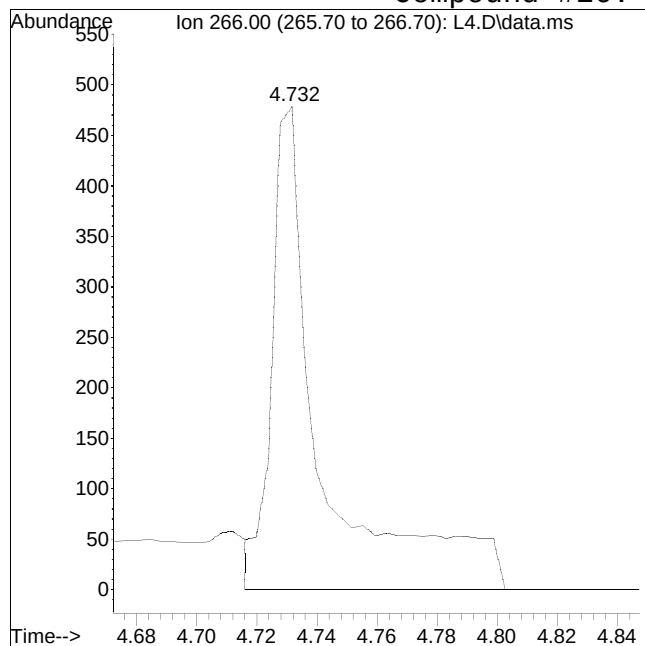
Manual Peak Response = 225 M7

M7 = A qualifier ion was manually integrated (only for GC/MS data).

Manual Integration Report

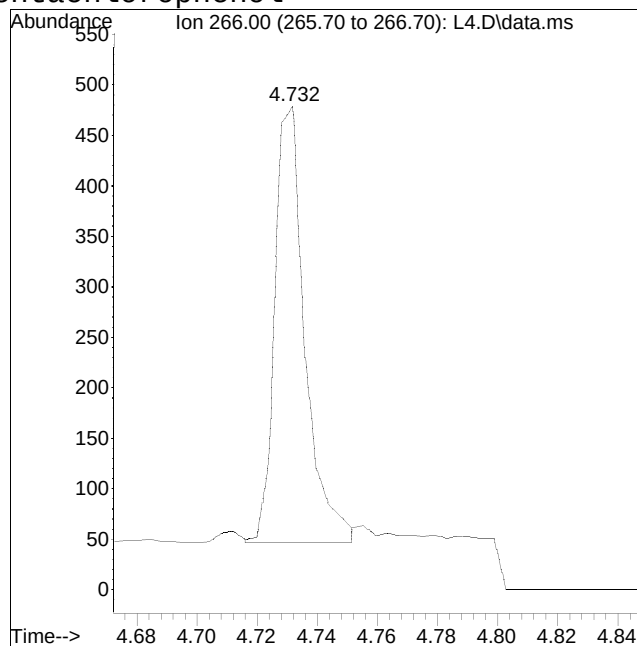
Data Path : I:\8270SIM\sv119\250625RVT01.M
Data File : L4.D
Date Inj'd : 6/25/2025 9:48 pm
Sample : IL4,32,,0.01 Lot# 11704
Method : SIM-RVT_250625_sv119.M
Operator : sv119:ljl
Instrument : SV119
Quant Date : 6/26/2025 6:28 pm

Compound #26: Pentachlorophenol



Original Peak Response = 535

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

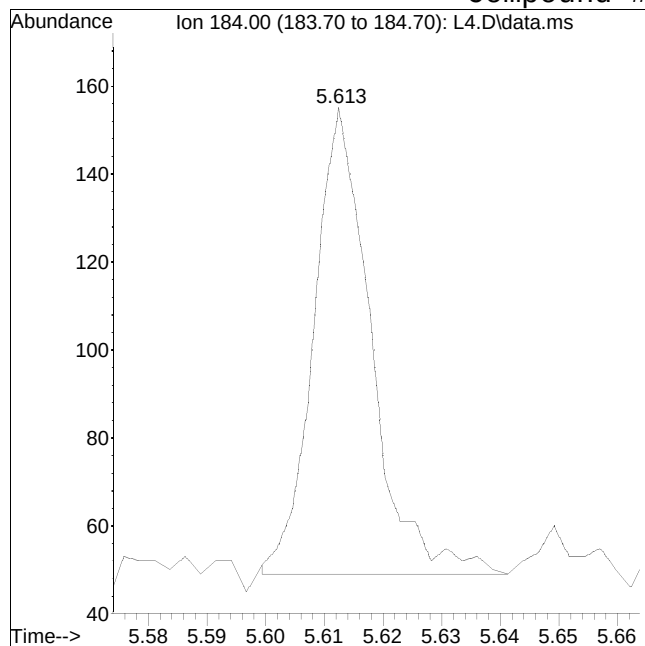


Manual Peak Response = 301 M6

Manual Integration Report

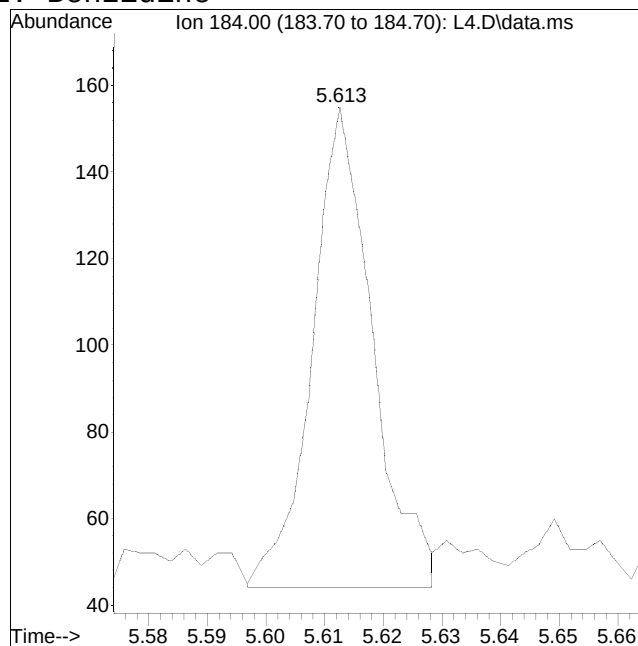
Data Path : I:\8270SIM\sv119\250625RVT01.M
Data File : L4.D
Date Inj'd : 6/25/2025 9:48 pm
Sample : IL4,32,,0.01 Lot# 11704
Method : SIM-RVT_250625_sv119.M
Operator : sv119:ljb
Instrument : SV119
Quant Date : 6/26/2025 6:28 pm

Compound #31: Benzidine



Original Peak Response = 72

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

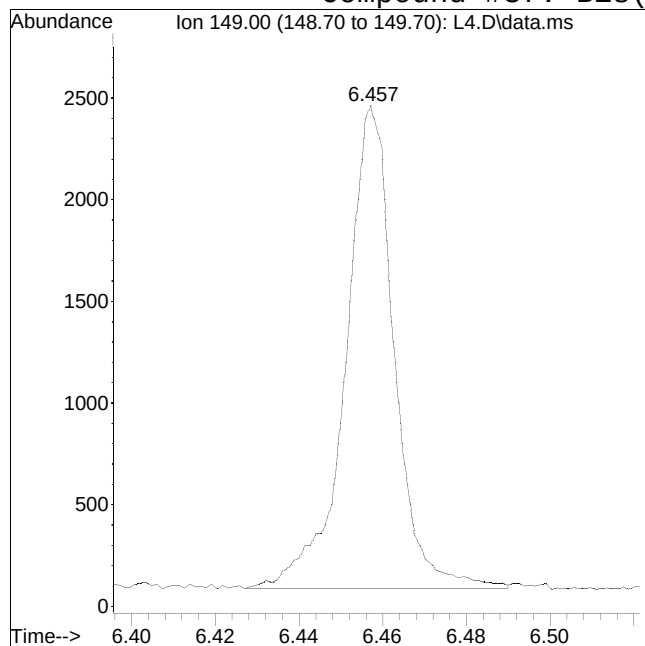


Manual Peak Response = 80 M6

Manual Integration Report

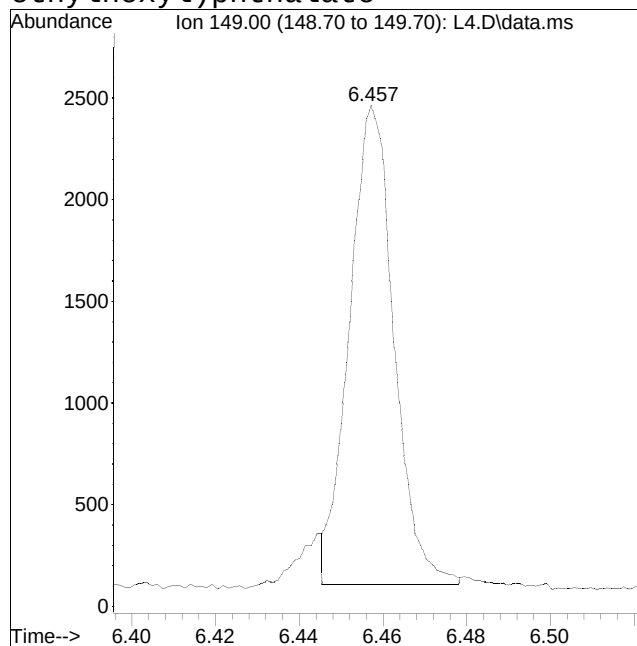
Data Path : I:\8270SIM\sv119\250625RVT\Method : SIM-RVT_250625_sv119.M
Data File : L4.D Operator : sv119:ljg
Date Inj'd : 6/25/2025 9:48 pm Instrument : SV119
Sample : IL4,32,,0.01 Lot# 11704 Quant Date : 6/26/2025 6:28 pm

Compound #37: Bis(2-ethylhexyl)phthalate



Original Peak Response = 1917

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

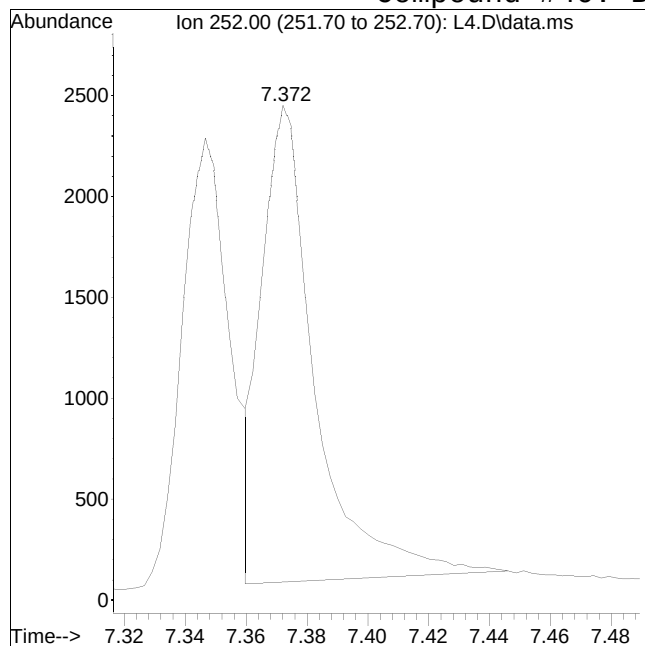


Manual Peak Response = 1739 M6

Manual Integration Report

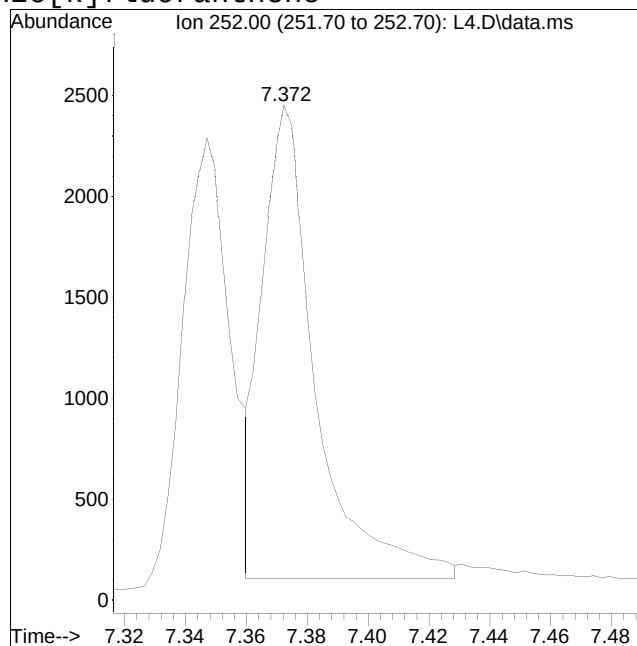
Data Path : I:\8270SIM\sv119\250625RVT\data
Data File : L4.D
Date Inj'd : 6/25/2025 9:48 pm
Sample : IL4,32,,0.01 Lot# 11704
Method : SIM-RVT_250625_sv119.M
Operator : sv119:ljl
Instrument : SV119
Quant Date : 6/26/2025 6:28 pm

Compound #40: Benzo[k]fluoranthene



Original Peak Response = 2917

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Peak Response = 2900 M6

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250625RVTical\
 Data File : L3.D
 Acq On : 25 Jun 2025 10:04 pm
 Operator : sv119:ljl
 Sample : IL3,32,,0.005 Lot# 11705
 Misc : WG2084288,,ical
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 26 18:27:39 2025
 Quant Method : I:\8270SIM\sv119\250625RVTical\SIM-RVT_250625_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Jun 26 18:28:35 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\250625RVTical\L8.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.360	152	190625	4000.000	ng/ml	0.00
Standard Area 1 = 144221			Recovery	=	132.18%	
9) Naphthalene-d8	3.022	136	733189	4000.000	ng/ml	0.00
Standard Area 1 = 566700			Recovery	=	129.38%	
18) Acenaphthene-d10	3.996	164	411422	4000.000	ng/ml	0.00
Standard Area 1 = 346174			Recovery	=	118.85%	
23) Phenanthrene-d10	4.839	188	823087	4000.000	ng/ml	0.00
Standard Area 1 = 720898			Recovery	=	114.18%	
33) Chrysene-d12	6.443	240	994584	4000.000	ng/ml	0.00
Standard Area 1 = 872550			Recovery	=	113.99%	
38) Perylene-d12	7.758	264	945800	4000.000	ng/ml	0.00
Standard Area 1 = 911236			Recovery	=	103.79%	
System Monitoring Compounds						
3) 2-Fluorophenol	1.763	112	274	4.974	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	0.25%#	
4) Phenol-d6	2.161	99	345	5.042	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	0.25%#	
8) Nitrobenzene-d5	2.639	82	347	5.538	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	0.55%#	
14) 2-Fluorobiphenyl	3.614	172	829	5.046	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	0.50%#	
22) 2,4,6-Tribromophenol	4.440	330	119M6	5.038	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	0.25%#	
32) 4-Terphenyl-d14	5.765	244	1178	5.177	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	0.52%#	
Target Compounds						
2) N-Nitrosodimethylamine	0.000		0	N.D.		
5) Bis(2-chloroethyl)ether	2.220	93	318	5.349	ng/ml	97
6) n-nitrosodi-n-propylamine	2.558	70	252	5.690	ng/ml	98
7) Hexachloroethane	2.622	117	131	5.352	ng/ml	98
10) Naphthalene	3.033	128	1043M7	5.238	ng/ml	
11) Hexachlorobutadiene	3.105	225	185	4.953	ng/ml	90
12) 2-Methylnaphthalene	3.410	142	641	5.054	ng/ml	99
13) 1-Methylnaphthalene	3.465	142	665	5.184	ng/ml	99
15) 2-Chloronaphthalene	3.681	162	719	5.206	ng/ml	96
16) 2,6-Dinitrotoluene	3.868	165	159	5.339	ng/ml	90

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250625RVTical\
 Data File : L3.D
 Acq On : 25 Jun 2025 10:04 pm
 Operator : sv119:ljg
 Sample : IL3,32,,0.005 Lot# 11705
 Misc : WG2084288,,ical
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 26 18:27:39 2025
 Quant Method : I:\8270SIM\sv119\250625RVTical\SIM-RVT_250625_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Jun 26 18:28:35 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\250625RVTical\L8.D
 Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
17)	Acenaphthylene	3.912	152	1134	4.888	ng/ml	99
19)	Acenaphthene	4.011	153	690	5.065	ng/ml	94
20)	2,4-Dinitrotoluene	4.097	165	175	4.686	ng/ml	96
21)	Fluorene	4.302	166	829	5.050	ng/ml	99
24)	4,6-Dinitro-o-cresol	4.330	198	67M7	22.651	ng/ml	
25)	Hexachlorobenzene	4.621	284	294	5.067	ng/ml	97
26)	Pentachlorophenol	4.732	266	203	7.561	ng/ml	95
27)	Phenanthrene	4.850	178	1297	5.210	ng/ml#	92
28)	Anthracene	4.879	178	1280	5.091	ng/ml	98
29)	Fluoranthene	5.540	202	1671	5.096	ng/ml	99
30)	Pyrene	5.673	202	1765	5.115	ng/ml	99
31)	Benzidine	0.000		0	N.D.		
34)	Benzo[a]anthracene	6.443	228	4288	4.806	ng/ml#	84
35)	3,3'-Dichlorobenzidine	6.414	252	320	2.411	ng/ml#	98
36)	Chrysene	6.460	228	1567	4.879	ng/ml	99
37)	Bis(2-ethylhexyl)phtha...	6.458	149	987M6	5.544	ng/ml	
39)	Benzo[b]fluoranthene	7.346	252	1083	4.144	ng/ml	99
40)	Benzo[k]fluoranthene	7.374	252	1376M4	4.552	ng/ml	
41)	Benzo[a]pyrene	7.684	252	1016	4.092	ng/ml	99
42)	Indeno[1,2,3-cd]pyrene	9.061	276	757	6.820	ng/ml	98
43)	Dibenzo[a,h]anthracene	9.105	278	646	7.147	ng/ml	94
44)	Benzo[g,h,i]perylene	9.427	276	923	4.002	ng/ml#	91

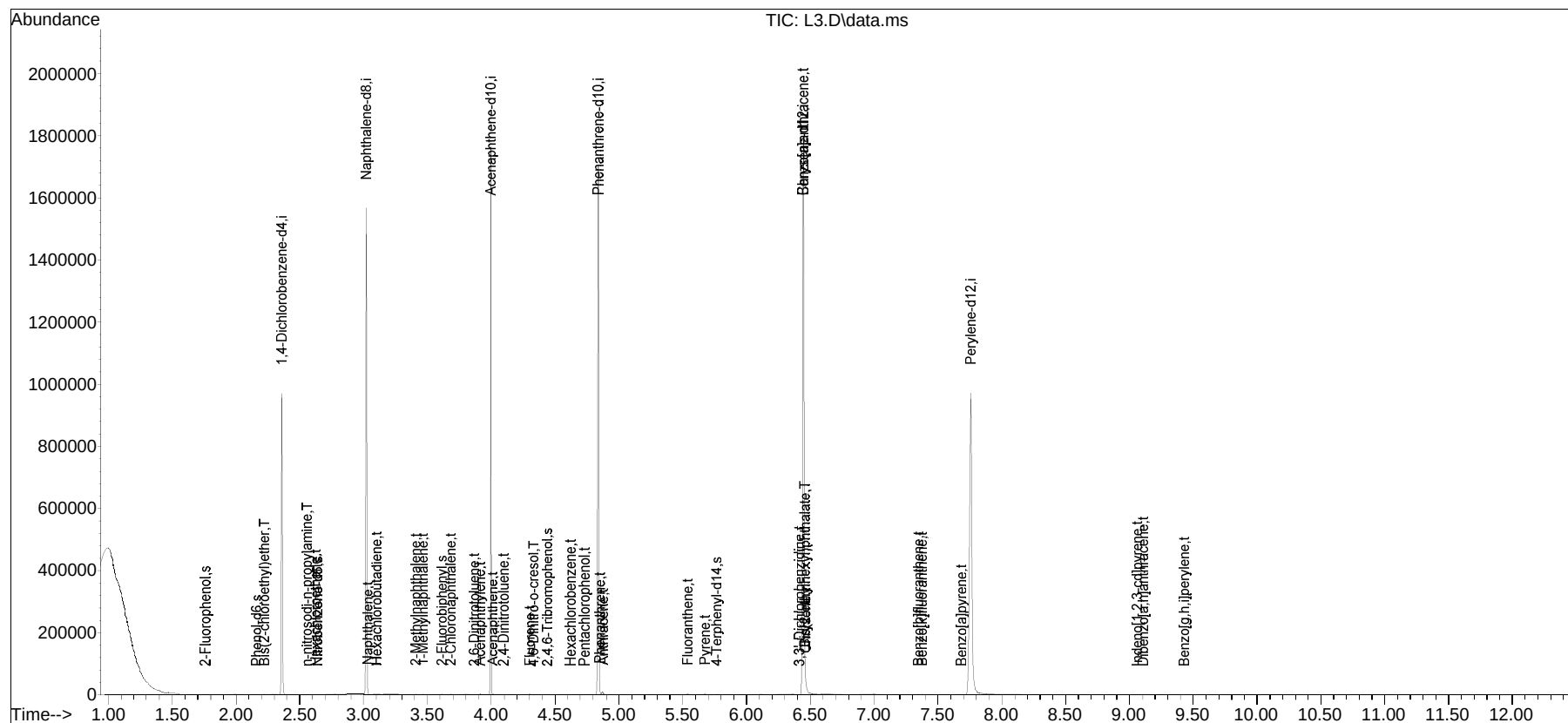
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250625RVTical\
 Data File : L3.D
 Acq On : 25 Jun 2025 10:04 pm
 Operator : sv119:ljg
 Sample : IL3,32,,0.005 Lot# 11705
 Misc : WG2084288,,ical
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 26 18:27:39 2025
 Quant Method : I:\8270SIM\sv119\250625RVTical\SIM-RVT_250625_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Jun 26 18:28:35 2025
 Response via : Initial Calibration

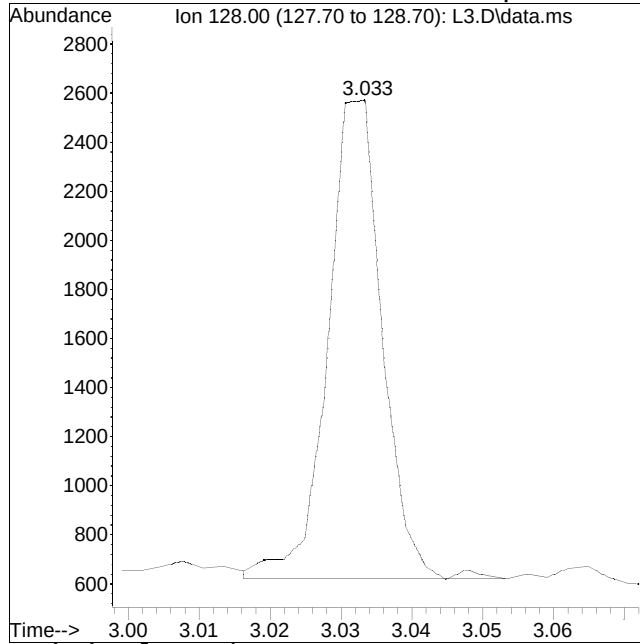
Sub List : Default - All compounds listedical\L8.D•



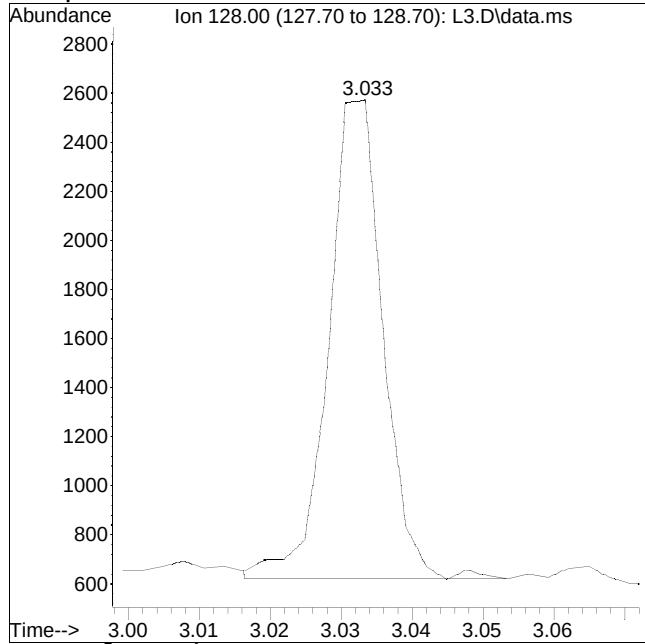
Manual Integration Report

Data Path : I:\8270SIM\sv119\250625RVT\data
Data File : L3.D
Date Inj'd : 6/25/2025 10:04 pm
Sample : IL3,32,,0.005 Lot# 11705
Method : SIM-RVT_250625_sv119.M
Operator : sv119:ljj
Instrument : SV119
Quant Date : 6/26/2025 6:28 pm

Compound #10: Naphthalene



Original Peak Response = 1043



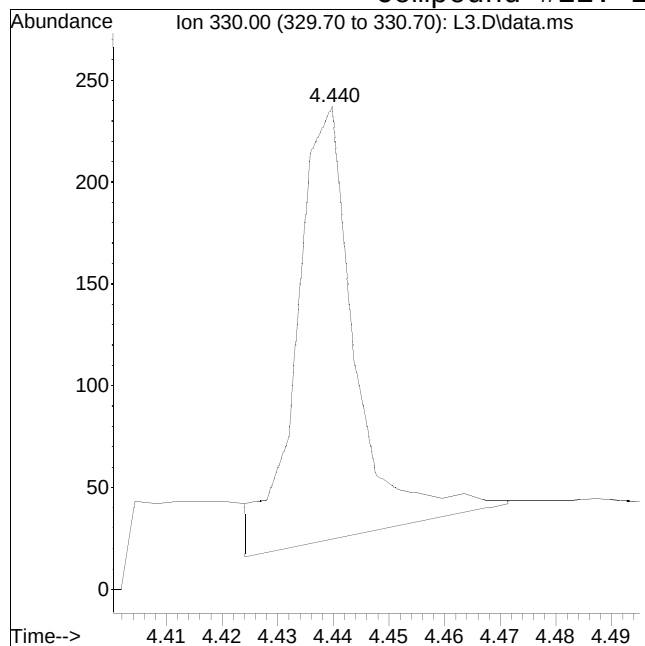
Manual Peak Response = 1043 M7

M7 = A qualifier ion was manually integrated (only for GC/MS data).

Manual Integration Report

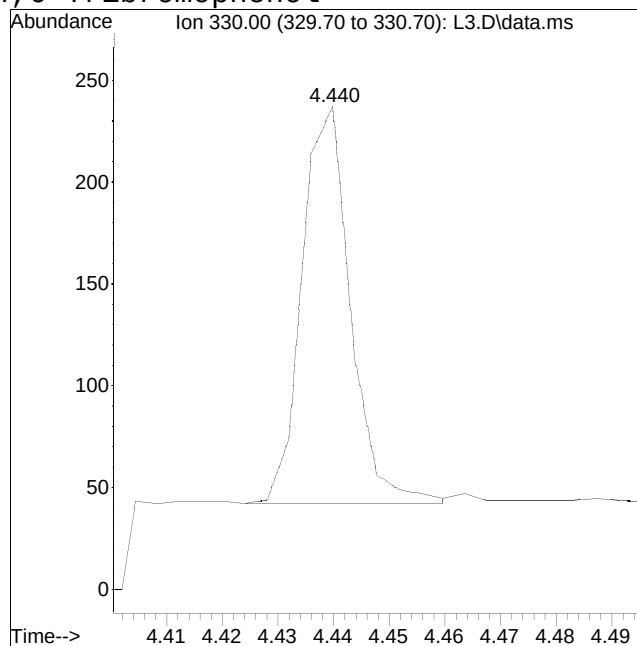
Data Path : I:\8270SIM\sv119\250625RVT01.M
Data File : L3.D
Date Inj'd : 6/25/2025 10:04 pm
Sample : IL3,32,,0.005 Lot# 11705
Method : SIM-RVT_250625_sv119.M
Operator : sv119:ljb
Instrument : SV119
Quant Date : 6/26/2025 6:28 pm

Compound #22: 2,4,6-Tribromophenol



Original Peak Response = 158

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

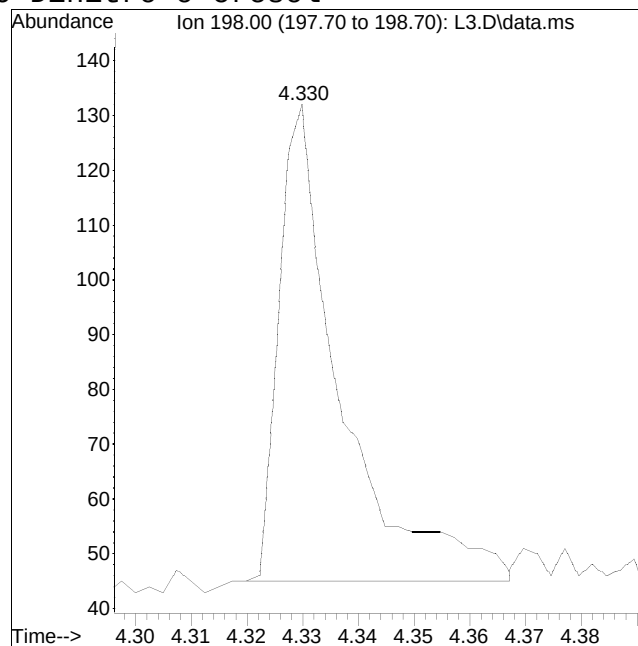
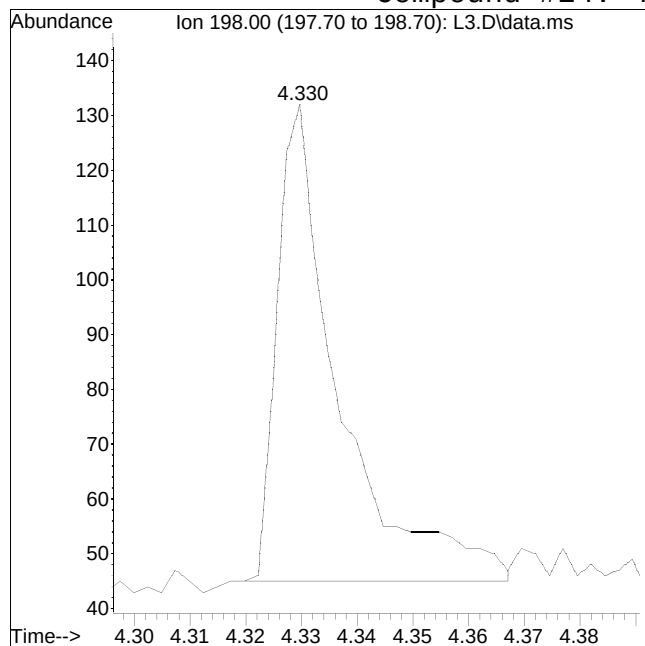


Manual Peak Response = 119 M6

Manual Integration Report

Data Path : I:\8270SIM\sv119\250625RVT01.M
Data File : L3.D
Date Inj'd : 6/25/2025 10:04 pm
Sample : IL3,32,,0.005 Lot# 11705
Method : SIM-RVT_250625_sv119.M
Operator : sv119:ljb
Instrument : SV119
Quant Date : 6/26/2025 6:28 pm

Compound #24: 4,6-Dinitro-o-cresol



Original Peak Response = 67

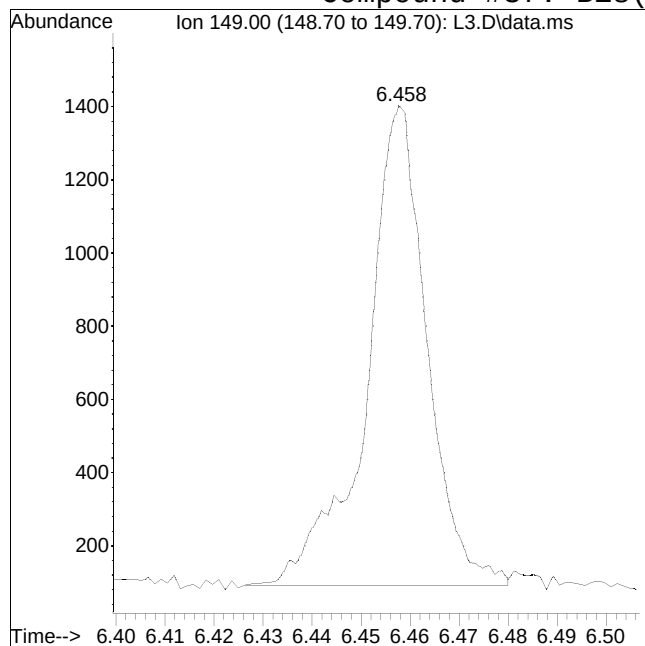
Manual Peak Response = 67 M7

M7 = A qualifier ion was manually integrated (only for GC/MS data).

Manual Integration Report

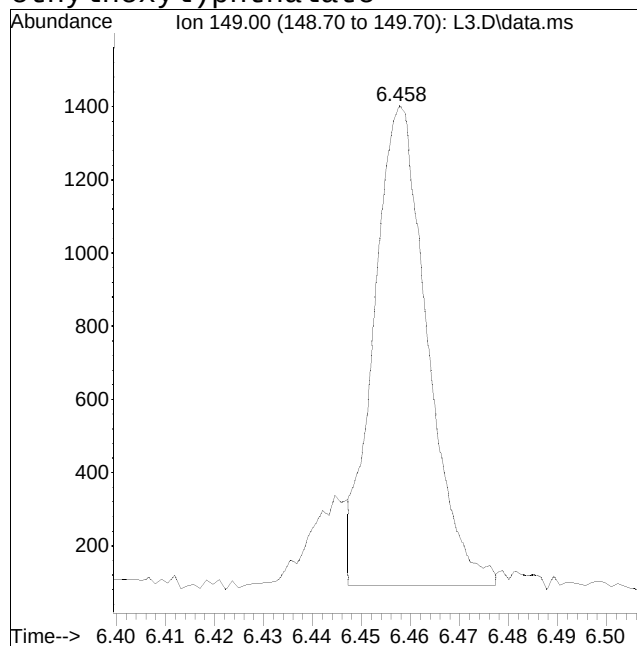
Data Path : I:\8270SIM\sv119\250625RVT01.M
Data File : L3.D
Date Inj'd : 6/25/2025 10:04 pm
Sample : IL3,32,,0.005 Lot# 11705
Method : SIM-RVT_250625_sv119.M
Operator : sv119:ljpg
Instrument : SV119
Quant Date : 6/26/2025 6:28 pm

Compound #37: Bis(2-ethylhexyl)phthalate



Original Peak Response = 1124

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

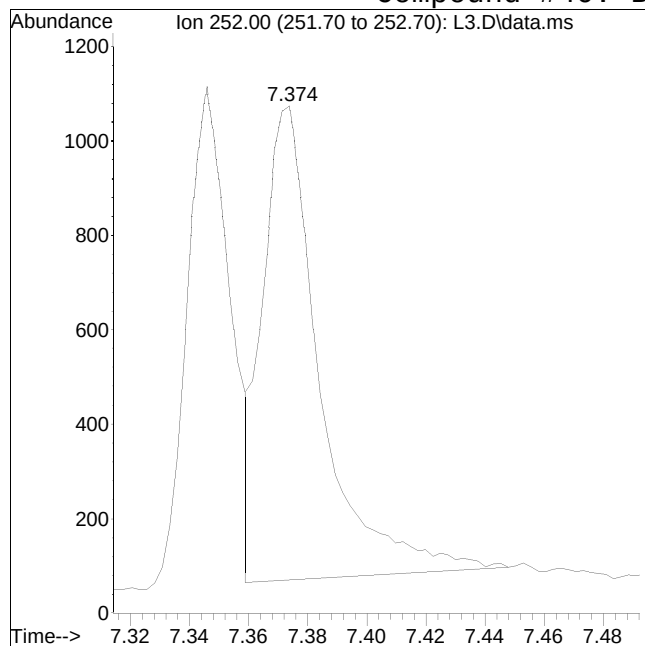


Manual Peak Response = 987 M6

Manual Integration Report

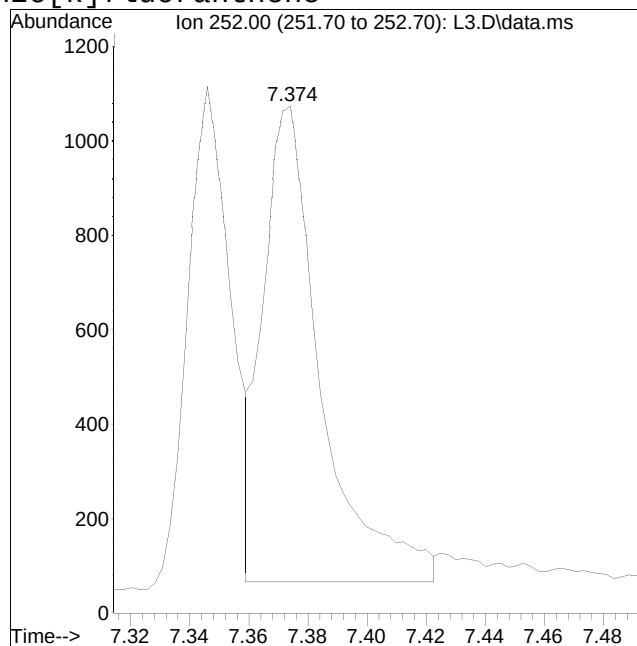
Data Path : I:\8270SIM\sv119\250625RVT01.M
Data File : L3.D
Date Inj'd : 6/25/2025 10:04 pm
Sample : IL3,32,,0.005 Lot# 11705
Method : SIM-RVT_250625_sv119.M
Operator : sv119:ljb
Instrument : SV119
Quant Date : 6/26/2025 6:28 pm

Compound #40: Benzo[k]fluoranthene



Original Peak Response = 1364

M4 = Poor automated baseline construction.



Manual Peak Response = 1376 M4

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250625RVTical\
 Data File : L2.D
 Acq On : 25 Jun 2025 10:24 pm
 Operator : sv119:ljl
 Sample : IL2,32,,0.002 Lot# 11706
 Misc : WG2084288,,ical
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 27 07:01:25 2025
 Quant Method : I:\8270SIM\sv119\250625RVTical\SIM-RVT_250625_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Jun 26 07:44:08 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\250625RVTical\L8.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.351	152	168711	4000.000	ng/ml	0.00
Standard Area 1 = 144221			Recovery	=	116.98%	
9) Naphthalene-d8	3.013	136	633046	4000.000	ng/ml	0.00
Standard Area 1 = 566700			Recovery	=	111.71%	
18) Acenaphthene-d10	3.992	164	371854	4000.000	ng/ml	0.00
Standard Area 1 = 346174			Recovery	=	107.42%	
23) Phenanthrene-d10	4.838	188	763855	4000.000	ng/ml	0.00
Standard Area 1 = 720898			Recovery	=	105.96%	
33) Chrysene-d12	6.474	240	952775	4000.000	ng/ml	0.03
Standard Area 1 = 872550			Recovery	=	109.19%	
38) Perylene-d12	7.789	264	962970	4000.000	ng/ml	0.03
Standard Area 1 = 911236			Recovery	=	105.68%	
System Monitoring Compounds						
3) 2-Fluorophenol	1.752	112	103	2.219	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	0.11%#	
4) Phenol-d6	2.150	99	129	2.149	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	0.11%#	
8) Nitrobenzene-d5	2.630	82	120	2.215	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	0.22%#	
14) 2-Fluorobiphenyl	3.608	172	296	2.109	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	0.21%#	
22) 2,4,6-Tribromophenol	4.436	330	44M2	2.004	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	0.10%#	
32) 4-Terphenyl-d14	5.783	244	468	2.194	ng/ml	0.02
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	0.22%#	
Target Compounds						
2) N-Nitrosodimethylamine	0.000		0	N.D.		
5) Bis(2-chloroethyl)ether	2.211	93	116	2.337	ng/ml	85
6) n-nitrosodi-n-propylamine	0.000		0	N.D.	d	
7) Hexachloroethane	2.614	117	43	2.005	ng/ml	88
10) Naphthalene	3.025	128	396	2.426	ng/ml#	87
11) Hexachlorobutadiene	3.096	225	67	2.135	ng/ml	100
12) 2-Methylnaphthalene	3.404	142	243	2.350	ng/ml	95
13) 1-Methylnaphthalene	3.460	142	228	2.089	ng/ml	99
15) 2-Chloronaphthalene	3.675	162	246	2.064	ng/ml	98
16) 2,6-Dinitrotoluene	3.864	165	84	3.117	ng/ml	95

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250625RVTical\
 Data File : L2.D
 Acq On : 25 Jun 2025 10:24 pm
 Operator : sv119:ljpg
 Sample : IL2,32,,0.002 Lot# 11706
 Misc : WG2084288,,ical
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 27 07:01:25 2025
 Quant Method : I:\8270SIM\sv119\250625RVTical\SIM-RVT_250625_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Jun 26 07:44:08 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\250625RVTical\L8.D
 Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
17)	Acenaphthylene	3.908	152	399	1.941	ng/ml	98
19)	Acenaphthene	4.007	153	257	2.146	ng/ml	92
20)	2,4-Dinitrotoluene	4.093	165	65	1.835	ng/ml#	72
21)	Fluorene	4.300	166	312	2.135	ng/ml	97
24)	4,6-Dinitro-o-cresol	0.000		0	N.D.		
25)	Hexachlorobenzene	4.617	284	111	2.179	ng/ml	95
26)	Pentachlorophenol	4.732	266	132	6.312	ng/ml	96
27)	Phenanthrene	4.850	178	533M7	2.414	ng/ml	
28)	Anthracene	4.879	178	476	2.039	ng/ml	99
29)	Fluoranthene	5.550	202	690	2.257	ng/ml#	84
30)	Pyrene	5.686	202	732	2.275	ng/ml	99
31)	Benzidine	0.000		0	N.D.		
34)	Benzo[a]anthracene	6.473	228	3252	9.981	ng/ml#	79
35)	3,3'-Dichlorobenzidine	0.000		0	N.D.	d	
36)	Chrysene	6.490	228	631M1	2.013	ng/ml	
37)	Bis(2-ethylhexyl)phtha...	6.490	149	466M6	2.638	ng/ml	
39)	Benzo[b]fluoranthene	7.377	252	420	1.443	ng/ml	95
40)	Benzo[k]fluoranthene	7.405	252	471M1	1.465	ng/ml	
41)	Benzo[a]pyrene	7.718	252	392	1.394	ng/ml	99
42)	Indeno[1,2,3-cd]pyrene	9.092	276	292	1.291	ng/ml	98
43)	Dibenzo[a,h]anthracene	9.130	278	253M7	1.089	ng/ml	
44)	Benzo[g,h,i]perylene	9.461	276	363	1.376	ng/ml	97

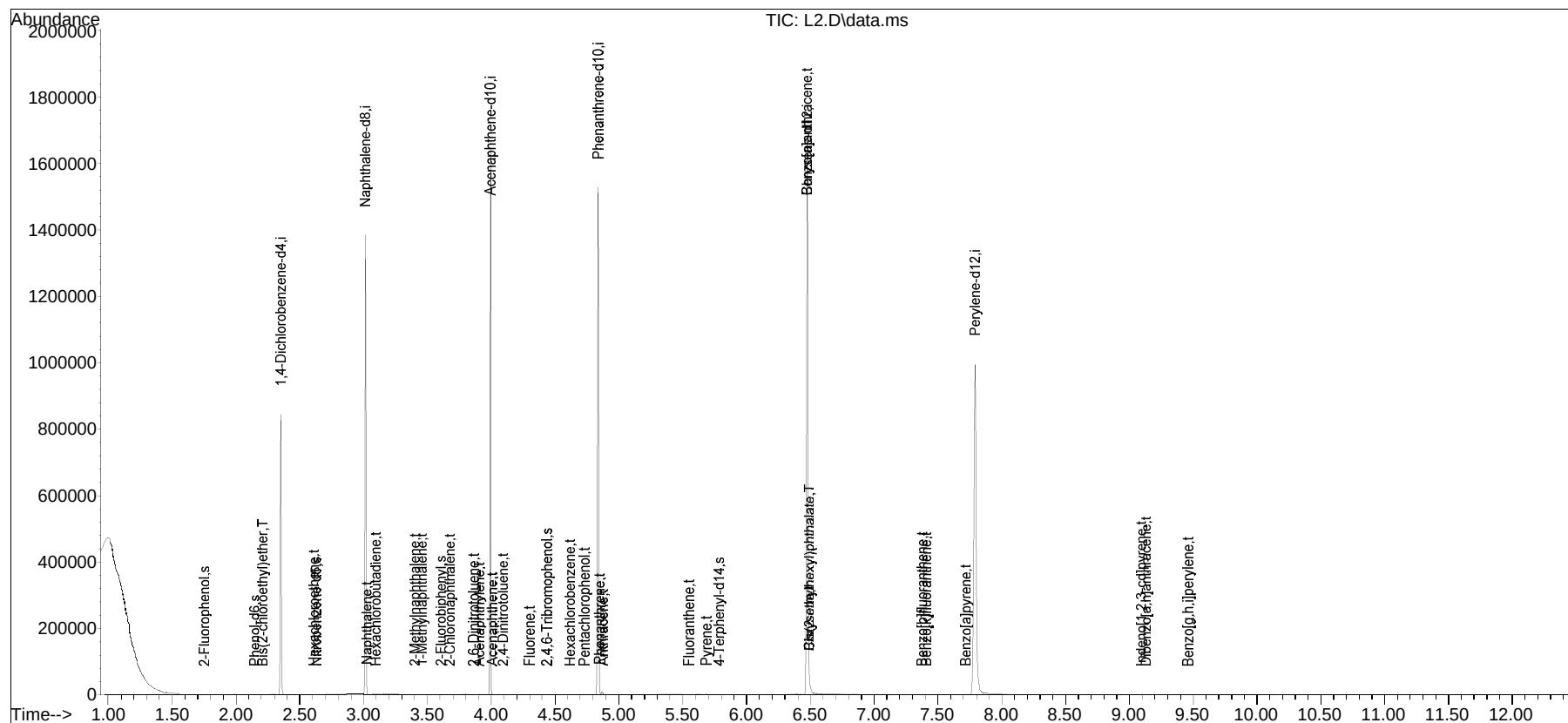
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250625RVTical\
 Data File : L2.D
 Acq On : 25 Jun 2025 10:24 pm
 Operator : sv119:ljg
 Sample : IL2,32,,0.002 Lot# 11706
 Misc : WG2084288,,ical
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 27 07:01:25 2025
 Quant Method : I:\8270SIM\sv119\250625RVTical\SIM-RVT_250625_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Jun 26 07:44:08 2025
 Response via : Initial Calibration

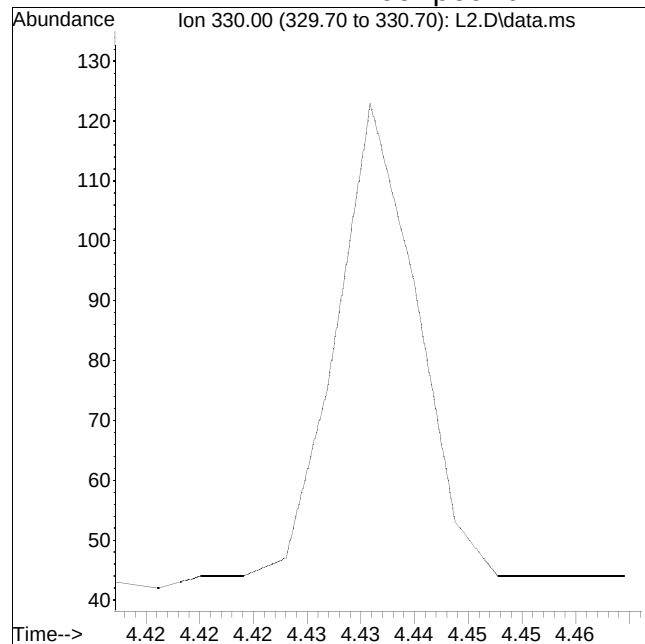
Sub List : Default - All compounds listedical\L8.D•



Manual Integration Report

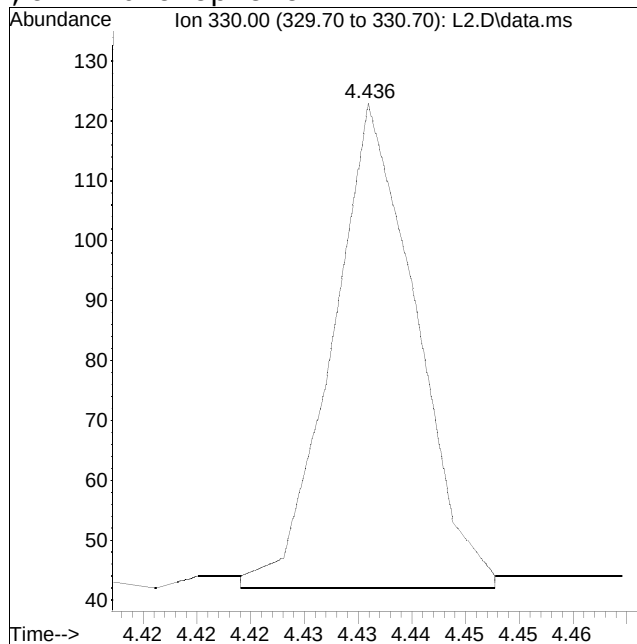
Data Path : I:\8270SIM\sv119\250625RVT\Method : SIM-RVT_250625_sv119.M
Data File : L2.D Operator : sv119:ljpg
Date Inj'd : 6/25/2025 10:24 pm Instrument : SV119
Sample : IL2,32,,0.002 Lot# 11706 Quant Date : 6/26/2025 7:47 am

Compound #22: 2,4,6-Tribromophenol



Original Peak Response = 0

M2 = Peak not found by automatic integration algorithm.

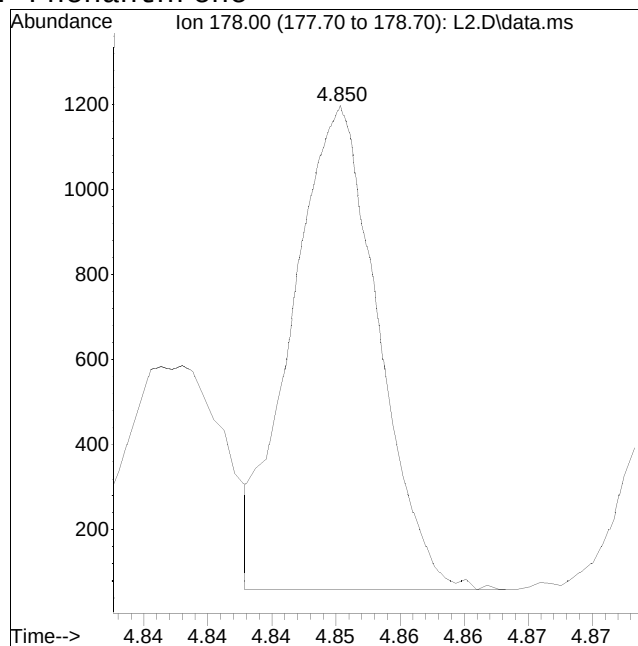
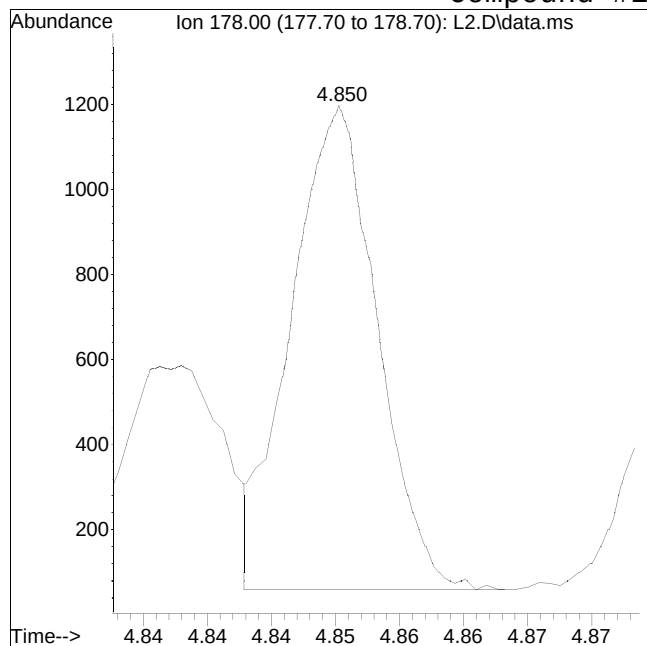


Manual Peak Response = 44 M2

Manual Integration Report

Data Path : I:\8270SIM\sv119\250625RVT\data.ms
Data File : L2.D
Date Inj'd : 6/25/2025 10:24 pm
Sample : IL2,32,,0.002 Lot# 11706
Method : SIM-RVT_250625_sv119.M
Operator : sv119:ljb
Instrument : SV119
Quant Date : 6/26/2025 7:47 am

Compound #27: Phenanthrene



Original Peak Response = 533

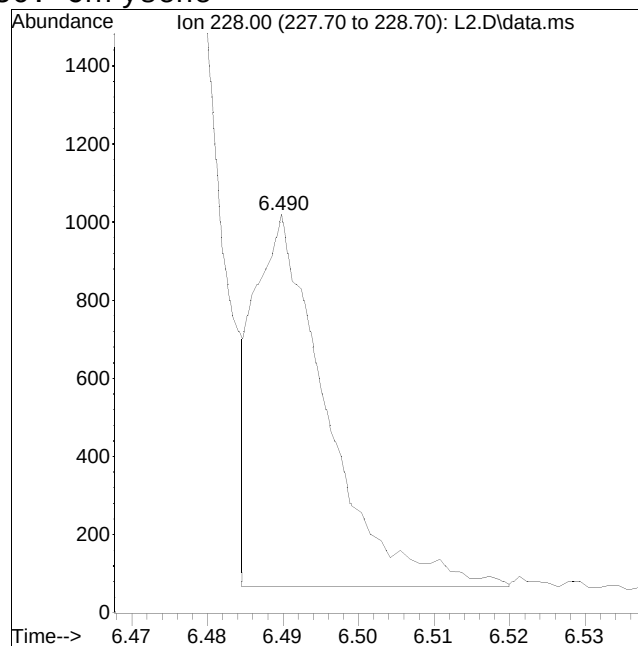
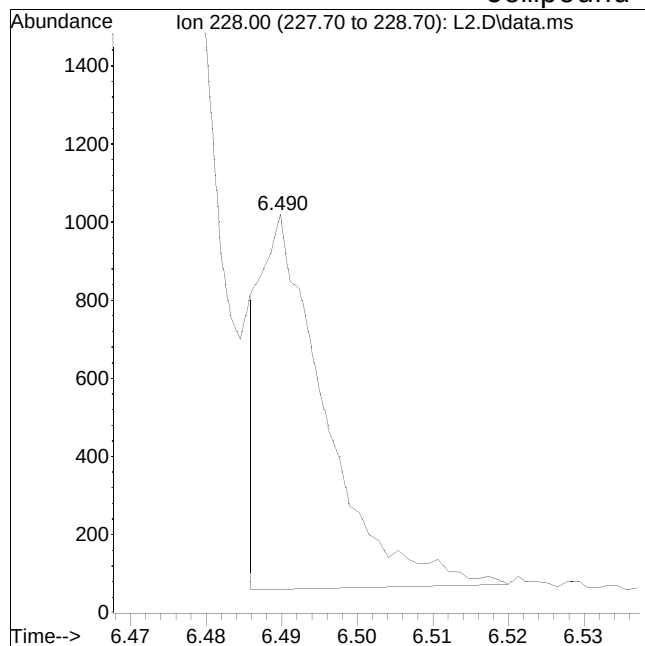
Manual Peak Response = 533 M7

M7 = A qualifier ion was manually integrated (only for GC/MS data).

Manual Integration Report

Data Path : I:\8270SIM\sv119\250625RVT01.M
Data File : L2.D
Date Inj'd : 6/25/2025 10:24 pm
Sample : IL2,32,,0.002 Lot# 11706
Method : SIM-RVT_250625_sv119.M
Operator : sv119:ljl
Instrument : SV119
Quant Date : 6/26/2025 7:47 am

Compound #36: Chrysene



Original Peak Response = 573

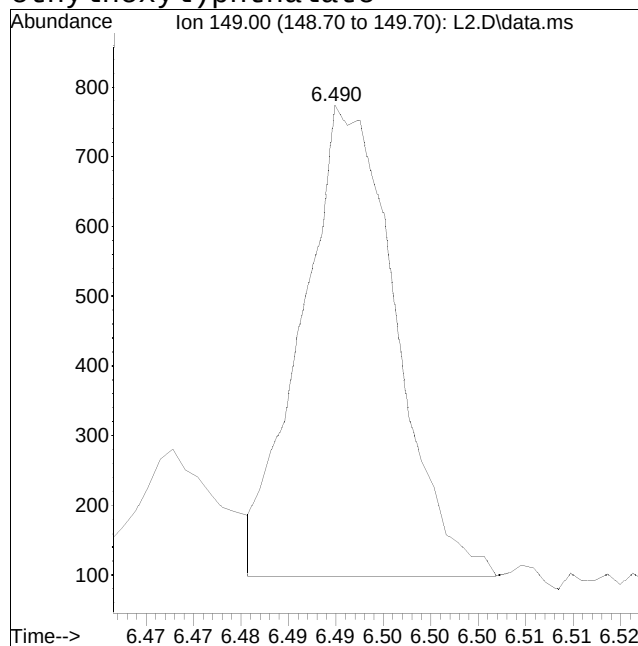
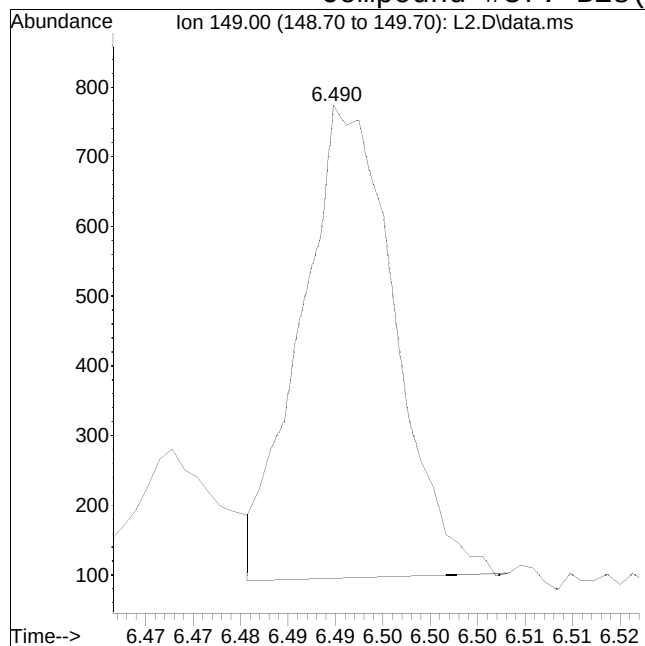
Manual Peak Response = 631 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Manual Integration Report

Data Path : I:\8270SIM\sv119\250625RVT01.M
 Data File : L2.D
 Date Inj'd : 6/25/2025 10:24 pm
 Sample : IL2,32,,0.002 Lot# 11706
 Method : SIM-RVT_250625_sv119.M
 Operator : sv119:ljj
 Instrument : SV119
 Quant Date : 6/26/2025 7:47 am

Compound #37: Bis(2-ethylhexyl)phthalate



Original Peak Response = 467

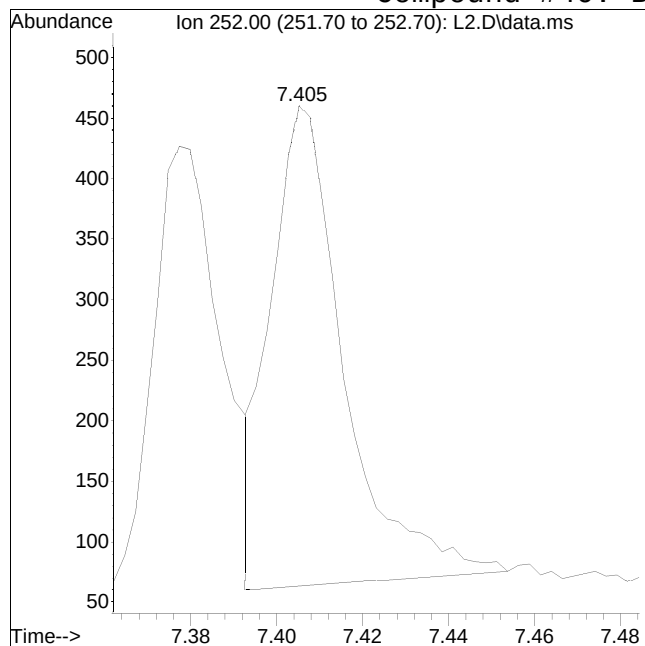
Manual Peak Response = 466 M6

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

Manual Integration Report

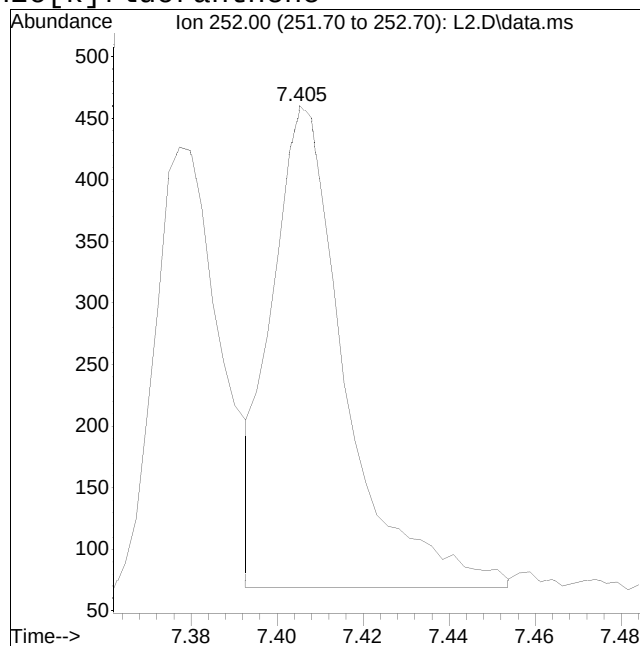
Data Path : I:\8270SIM\sv119\250625RVT01.M
Data File : L2.D
Date Inj'd : 6/25/2025 10:24 pm
Sample : IL2,32,,0.002 Lot# 11706
Method : SIM-RVT_250625_sv119.M
Operator : sv119:ljg
Instrument : SV119
Quant Date : 6/26/2025 7:47 am

Compound #40: Benzo[k]fluoranthene



Original Peak Response = 474

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

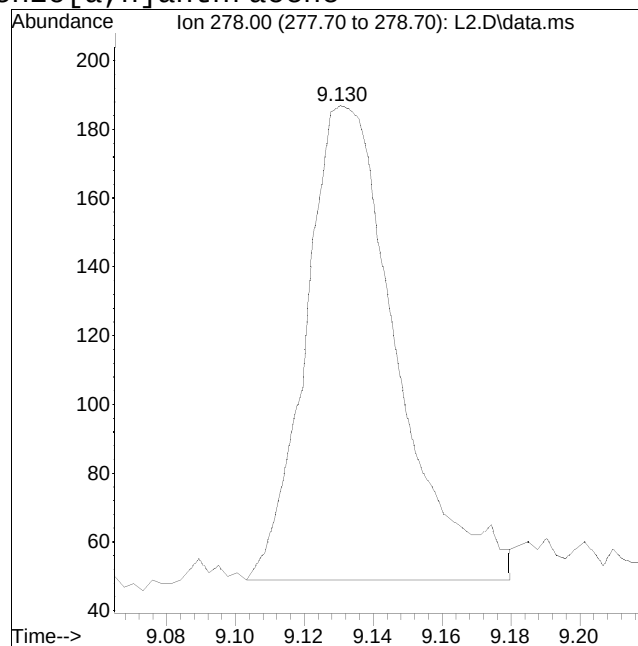
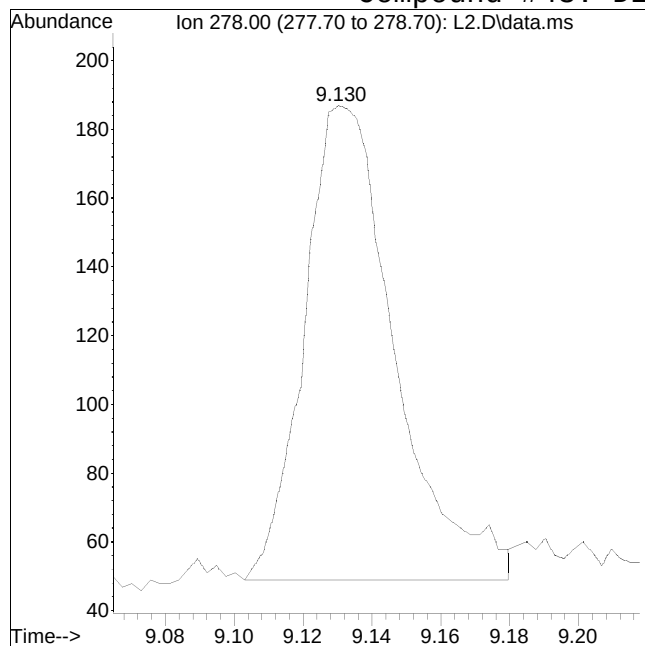


Manual Peak Response = 471 M1

Manual Integration Report

Data Path : I:\8270SIM\sv119\250625RVT01.M
Data File : L2.D
Date Inj'd : 6/25/2025 10:24 pm
Sample : IL2,32,,0.002 Lot# 11706
Method : SIM-RVT_250625_sv119.M
Operator : sv119:ljb
Instrument : SV119
Quant Date : 6/26/2025 7:47 am

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 253

Manual Peak Response = 253 M7

M7 = A qualifier ion was manually integrated (only for GC/MS data).

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250625RVTical\
 Data File : L1.D
 Acq On : 25 Jun 2025 10:41 pm
 Operator : sv119:ljl
 Sample : IL1,32,,0.001 Lot# 11707
 Misc : WG2084288,,ical
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 27 06:49:46 2025
 Quant Method : I:\8270SIM\sv119\250625RVTical\SIM-RVT_250625_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Jun 26 07:44:08 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\250625RVTical\L8.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.360	152	193054	4000.000	ng/ml	0.00
Standard Area 1 = 144221			Recovery	=	133.86%	
9) Naphthalene-d8	3.019	136	726844	4000.000	ng/ml	0.00
Standard Area 1 = 566700			Recovery	=	128.26%	
18) Acenaphthene-d10	3.994	164	402379	4000.000	ng/ml	0.00
Standard Area 1 = 346174			Recovery	=	116.24%	
23) Phenanthrene-d10	4.838	188	804024	4000.000	ng/ml	0.00
Standard Area 1 = 720898			Recovery	=	111.53%	
33) Chrysene-d12	6.453	240	988638	4000.000	ng/ml	0.00
Standard Area 1 = 872550			Recovery	=	113.30%	
38) Perylene-d12	7.769	264	933454	4000.000	ng/ml	0.01
Standard Area 1 = 911236			Recovery	=	102.44%	
System Monitoring Compounds						
3) 2-Fluorophenol	1.761	112	66M7	1.242	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	0.06%#	
4) Phenol-d6	2.159	99	102	1.485	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	0.07%#	
8) Nitrobenzene-d5	2.638	82	71	1.145	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	0.11%#	
14) 2-Fluorobiphenyl	3.611	172	170	1.055	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	0.11%#	
22) 2,4,6-Tribromophenol	4.440	330	32M6	1.347	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	0.07%#	
32) 4-Terphenyl-d14	5.772	244	262M7	1.167	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	0.12%#	
Target Compounds						
2) N-Nitrosodimethylamine	0.000		0	N.D.		
5) Bis(2-chloroethyl)ether	2.217	93	71	1.250	ng/ml	95
6) n-nitrosodi-n-propylamine	0.000		0	N.D.		
7) Hexachloroethane	2.619	117	23M2	0.937	ng/ml	
10) Naphthalene	3.031	128	221	1.179	ng/ml#	60
11) Hexachlorobutadiene	3.102	225	41M2	1.138	ng/ml	
12) 2-Methylnaphthalene	3.410	142	155	1.305	ng/ml	98
13) 1-Methylnaphthalene	3.466	142	136	1.085	ng/ml	91

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250625RVTical\
 Data File : L1.D
 Acq On : 25 Jun 2025 10:41 pm
 Operator : sv119:ljb
 Sample : IL1,32,,0.001 Lot# 11707
 Misc : WG2084288,,ical
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 27 06:49:46 2025
 Quant Method : I:\8270SIM\sv119\250625RVTical\SIM-RVT_250625_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Jun 26 07:44:08 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\250625RVTical\L8.D
 Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
15)	2-Chloronaphthalene	3.678	162	130	0.950	ng/ml	88
16)	2,6-Dinitrotoluene	0.000		0	N.D.	d	
17)	Acenaphthylene	3.912	152	221	0.936	ng/ml	95
19)	Acenaphthene	4.011	153	144	1.111	ng/ml	88
20)	2,4-Dinitrotoluene	0.000		0	N.D.		
21)	Fluorene	4.302	166	182	1.151	ng/ml	98
24)	4,6-Dinitro-o-cresol	0.000		0	N.D.		
25)	Hexachlorobenzene	4.621	284	65M7	1.212	ng/ml	
26)	Pentachlorophenol	4.732	266	89	4.044	ng/ml	99
27)	Phenanthrene	4.850	178	332M7	1.429	ng/ml	
28)	Anthracene	4.878	178	267M7	1.087	ng/ml	
29)	Fluoranthene	5.542	202	394	1.224	ng/ml#	94
30)	Pyrene	5.678	202	405	1.196	ng/ml	96
31)	Benidine	0.000		0	N.D.		
34)	Benzo[a]anthracene	6.453	228	3026	8.950	ng/ml#	68
35)	3,3'-Dichlorobenzidine	0.000		0	N.D.		
36)	Chrysene	6.469	228	313M3	0.962	ng/ml	
37)	Bis(2-ethylhexyl)phtha...	6.468	149	409M6	2.232	ng/ml	
39)	Benzo[b]fluoranthene	7.357	252	213	0.755	ng/ml	94
40)	Benzo[k]fluoranthene	7.382	252	265M4	0.850	ng/ml	
41)	Benzo[a]pyrene	7.695	252	191	0.701	ng/ml	99
42)	Indeno[1,2,3-cd]pyrene	9.070	276	136M7	0.620	ng/ml	
43)	Dibenzo[a,h]anthracene	9.111	278	126M7	0.559	ng/ml	
44)	Benzo[g,h,i]perylene	9.436	276	166M7	0.649	ng/ml	

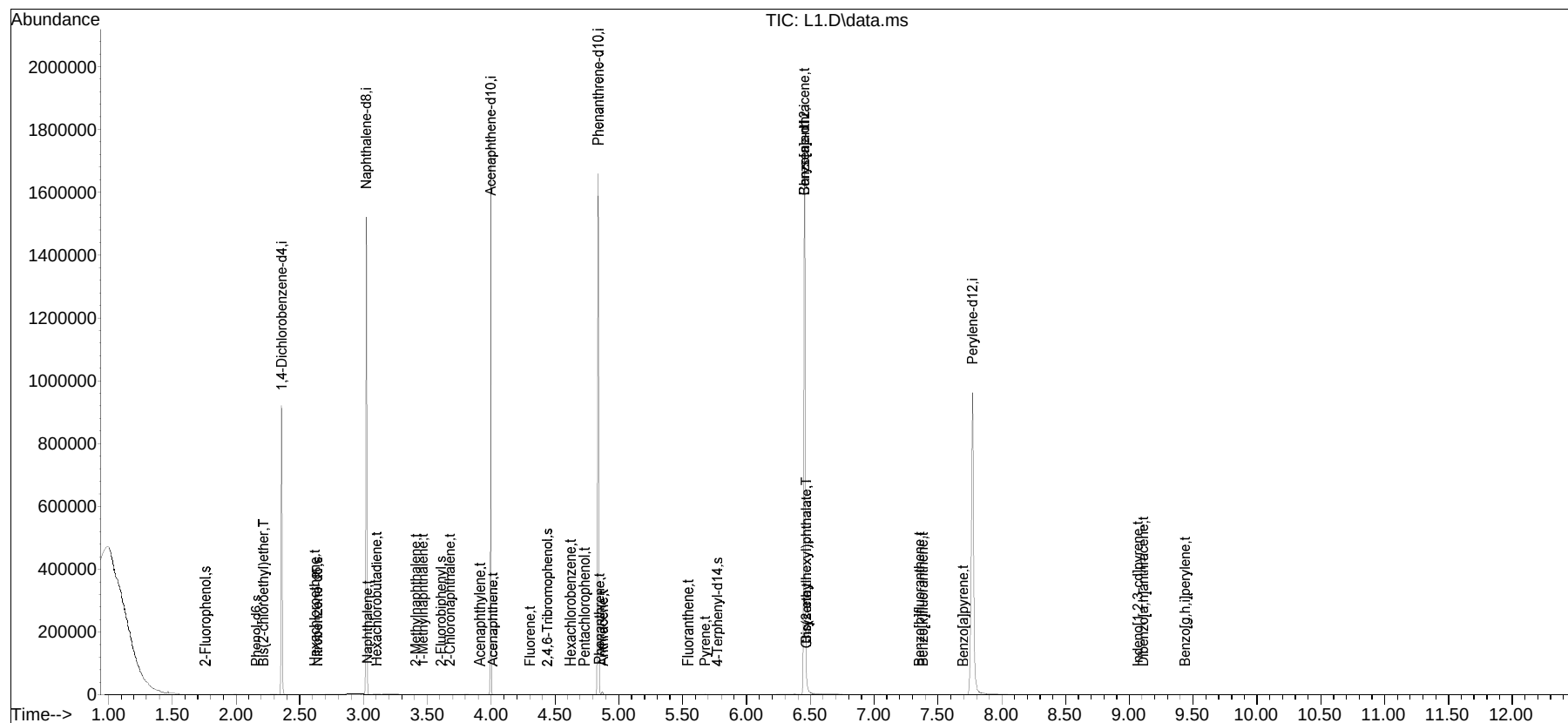
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250625RVTical\
 Data File : L1.D
 Acq On : 25 Jun 2025 10:41 pm
 Operator : sv119:ljg
 Sample : IL1,32,,0.001 Lot# 11707
 Misc : WG2084288,,ical
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 27 06:49:46 2025
 Quant Method : I:\8270SIM\sv119\250625RVTical\SIM-RVT_250625_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Thu Jun 26 07:44:08 2025
 Response via : Initial Calibration

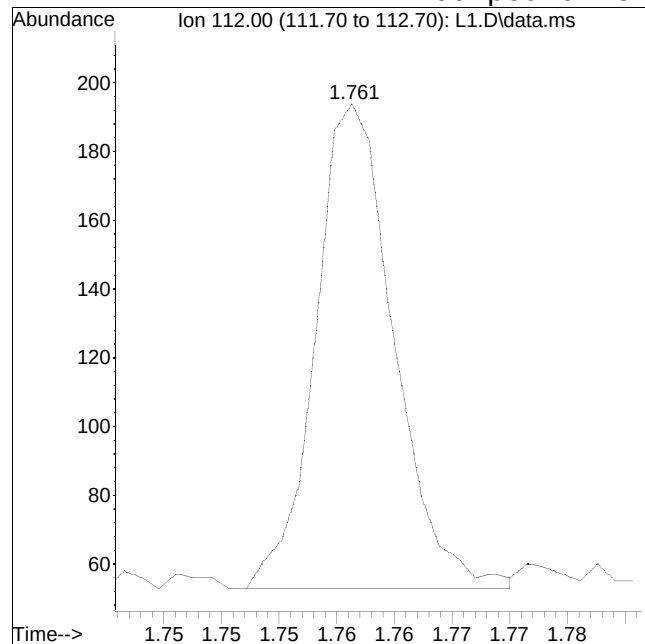
Sub List : Default - All compounds listedical\L8.D•



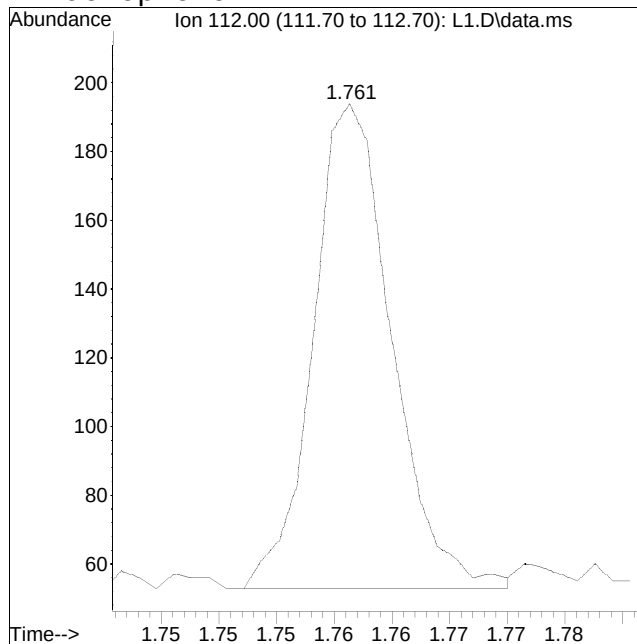
Manual Integration Report

Data Path : I:\8270SIM\sv119\250625RVT_QMethod : SIM-RVT_250625_sv119.M
Data File : L1.D Operator : sv119:ljl
Date Inj'd : 6/25/2025 10:41 pm Instrument : SV119
Sample : IL1,32,,0.001 Lot# 11707 Quant Date : 6/26/2025 7:47 am

Compound #3: 2-Fluorophenol



Original Peak Response = 66



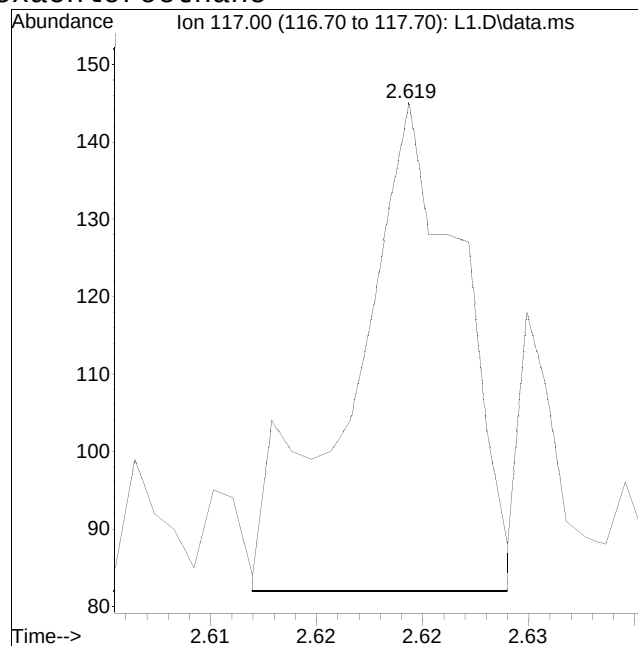
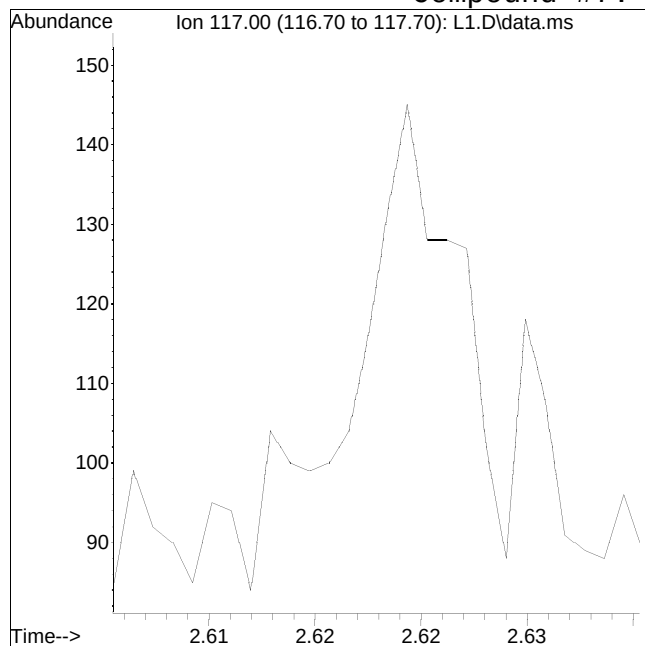
Manual Peak Response = 66 M7

M7 = A qualifier ion was manually integrated (only for GC/MS data).

Manual Integration Report

Data Path : I:\8270SIM\sv119\250625RVT01.M
Data File : L1.D
Date Inj'd : 6/25/2025 10:41 pm
Sample : IL1,32,,0.001 Lot# 11707
Method : SIM-RVT_250625_sv119.M
Operator : sv119:ljb
Instrument : SV119
Quant Date : 6/26/2025 7:47 am

Compound #7: Hexachloroethane



Original Peak Response = 0

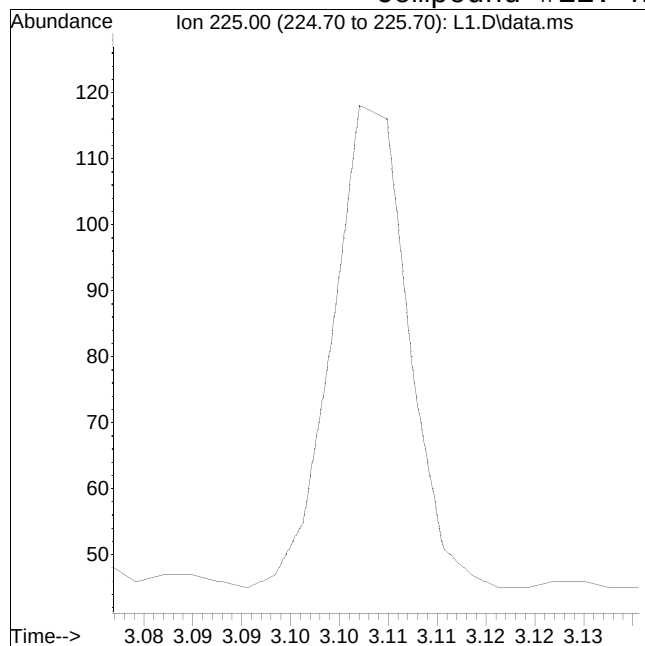
Manual Peak Response = 23 M2

M2 = Peak not found by automatic integration algorithm.

Manual Integration Report

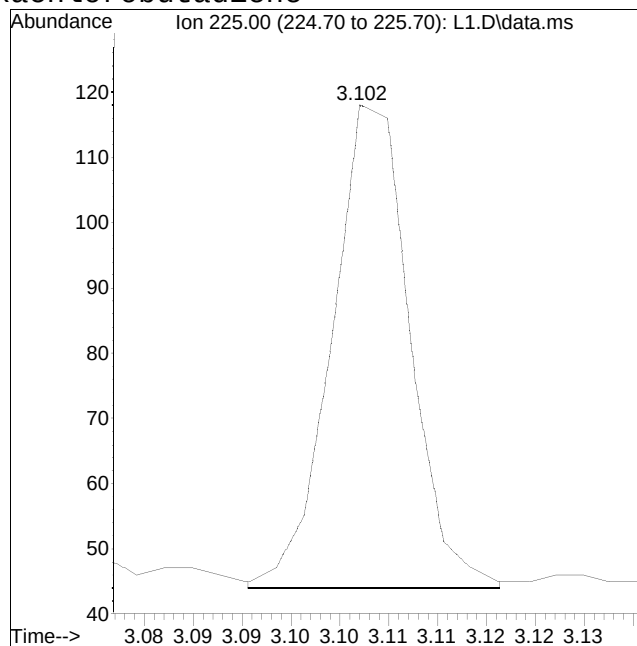
Data Path : I:\8270SIM\sv119\250625RVT01.M
Data File : L1.D
Date Inj'd : 6/25/2025 10:41 pm
Sample : IL1,32,,0.001 Lot# 11707
Method : SIM-RVT_250625_sv119.M
Operator : sv119:ljb
Instrument : SV119
Quant Date : 6/26/2025 7:47 am

Compound #11: Hexachlorobutadiene



Original Peak Response = 0

M2 = Peak not found by automatic integration algorithm.

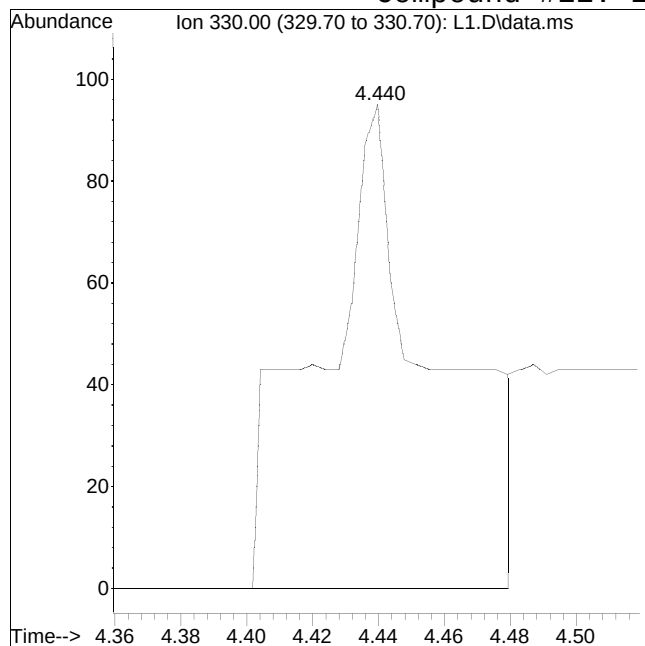


Manual Peak Response = 41 M2

Manual Integration Report

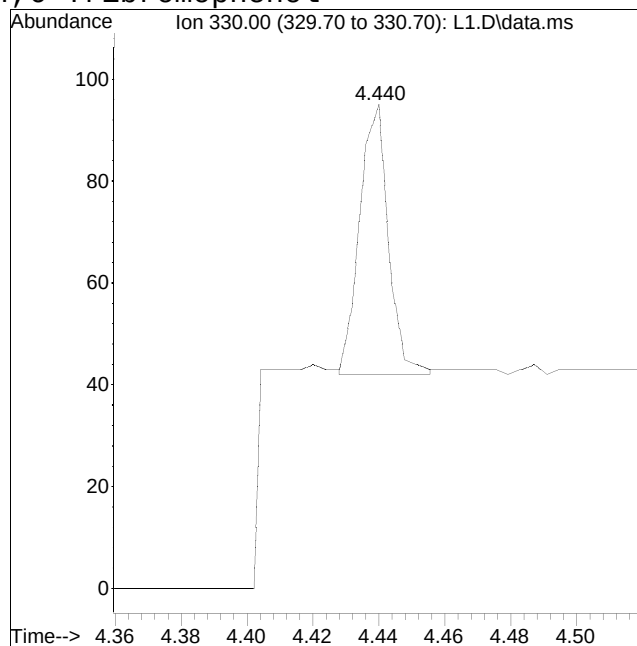
Data Path : I:\8270SIM\sv119\250625RVT\Method : SIM-RVT_250625_sv119.M
Data File : L1.D Operator : sv119:ljb
Date Inj'd : 6/25/2025 10:41 pm Instrument : SV119
Sample : IL1,32,,0.001 Lot# 11707 Quant Date : 6/26/2025 7:47 am

Compound #22: 2,4,6-Tribromophenol



Original Peak Response = 226

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

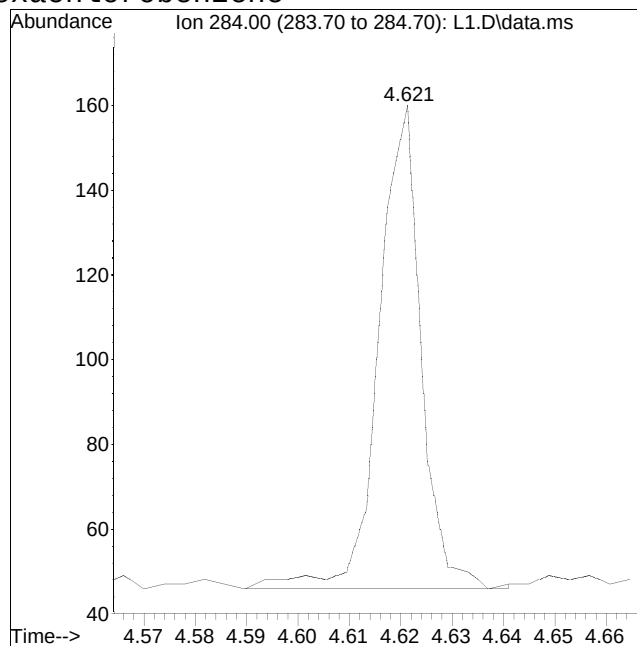
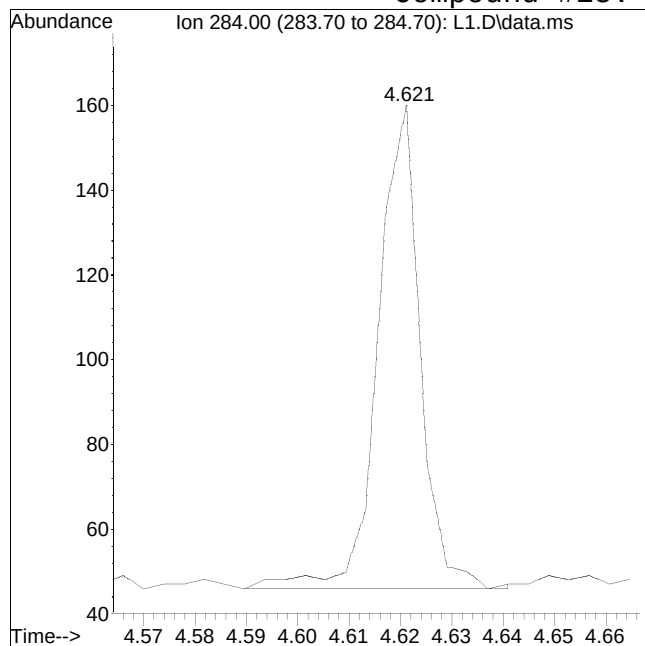


Manual Peak Response = 32 M6

Manual Integration Report

Data Path : I:\8270SIM\sv119\250625RVT01.M
Data File : L1.D
Date Inj'd : 6/25/2025 10:41 pm
Sample : IL1,32,,0.001 Lot# 11707
Method : SIM-RVT_250625_sv119.M
Operator : sv119:ljb
Instrument : SV119
Quant Date : 6/26/2025 7:47 am

Compound #25: Hexachlorobenzene



Original Peak Response = 65

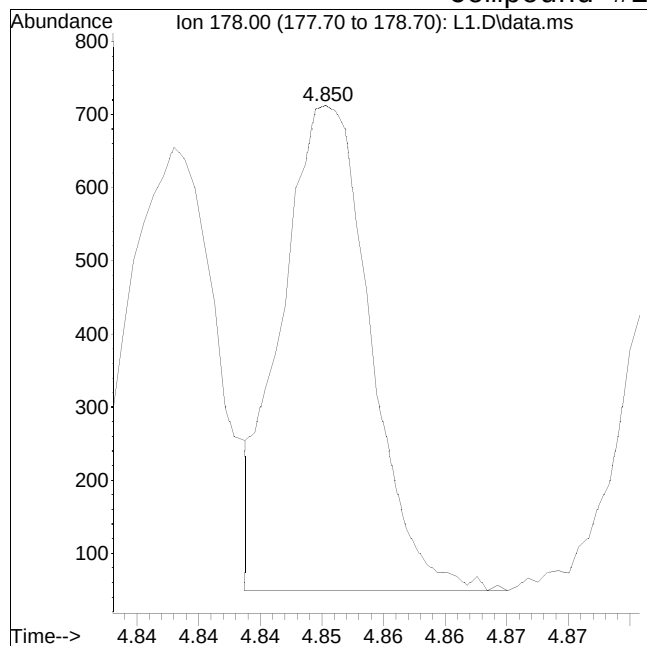
Manual Peak Response = 65 M7

M7 = A qualifier ion was manually integrated (only for GC/MS data).

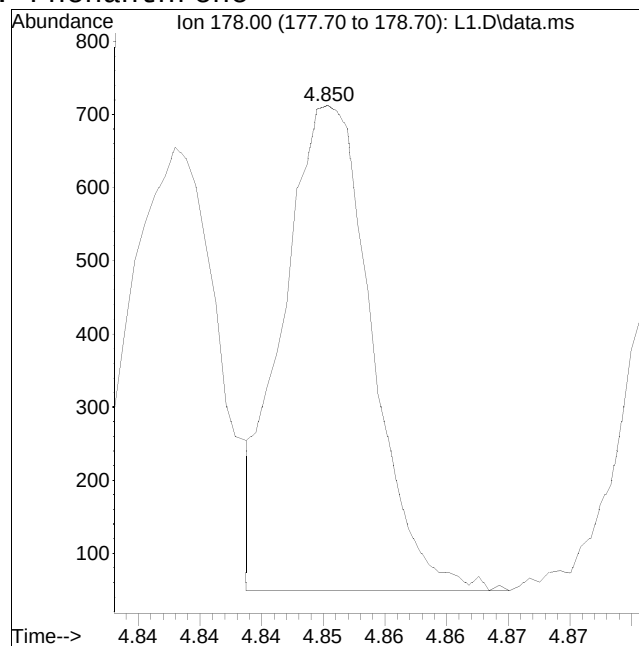
Manual Integration Report

Data Path : I:\8270SIM\sv119\250625RVT01.M
Data File : L1.D
Date Inj'd : 6/25/2025 10:41 pm
Sample : IL1,32,,0.001 Lot# 11707
Method : SIM-RVT_250625_sv119.M
Operator : sv119:ljj
Instrument : SV119
Quant Date : 6/26/2025 7:47 am

Compound #27: Phenanthrene



Original Peak Response = 332



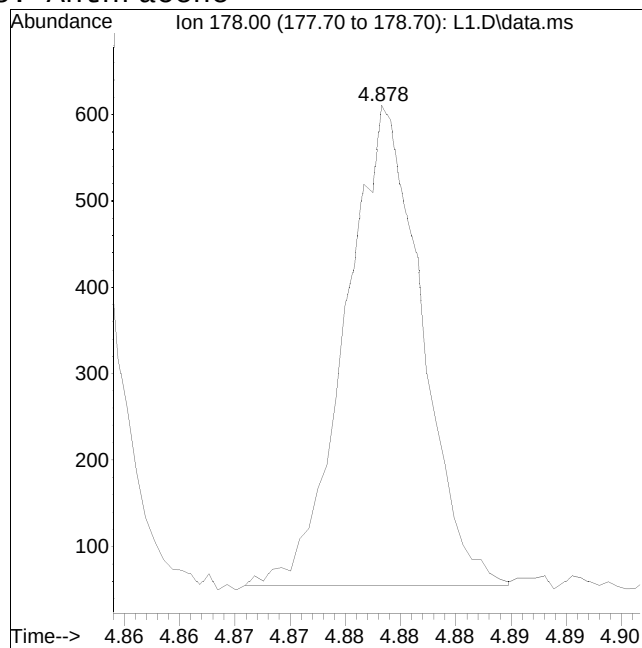
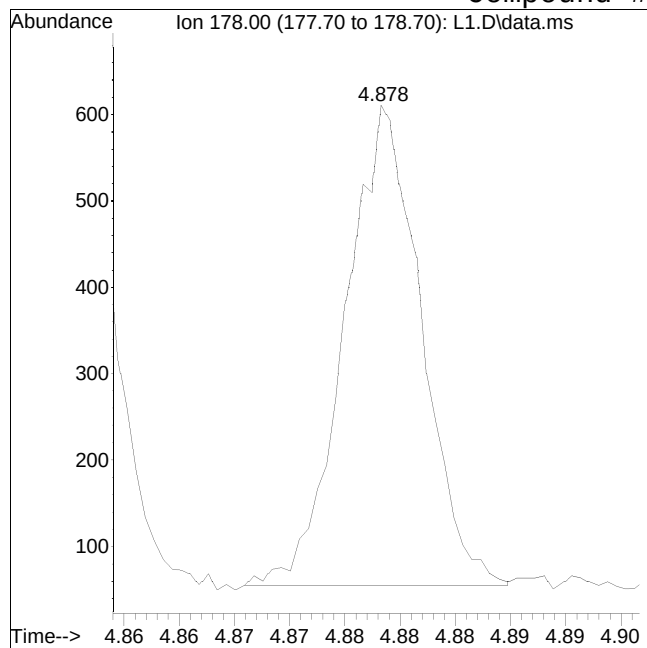
Manual Peak Response = 332 M7

M7 = A qualifier ion was manually integrated (only for GC/MS data).

Manual Integration Report

Data Path : I:\8270SIM\sv119\250625RVT\Method : SIM-RVT_250625_sv119.M
Data File : L1.D Operator : sv119:ljl
Date Inj'd : 6/25/2025 10:41 pm Instrument : SV119
Sample : IL1,32,,0.001 Lot# 11707 Quant Date : 6/26/2025 7:47 am

Compound #28: Anthracene



Original Peak Response = 267

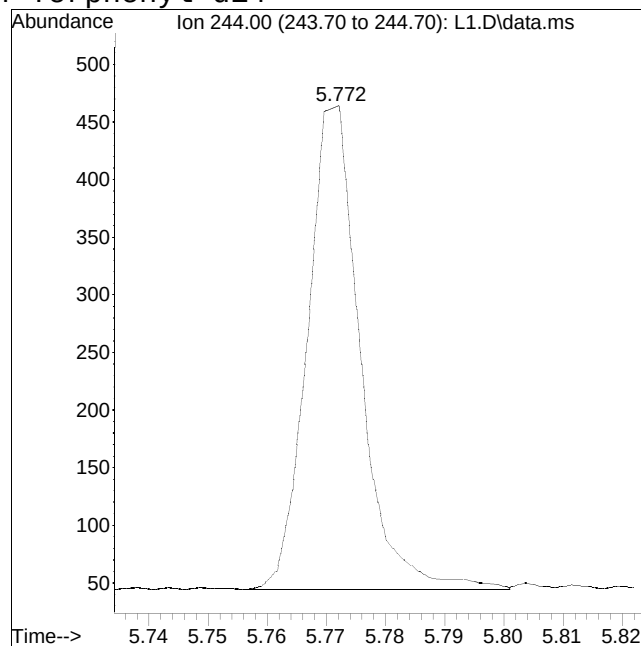
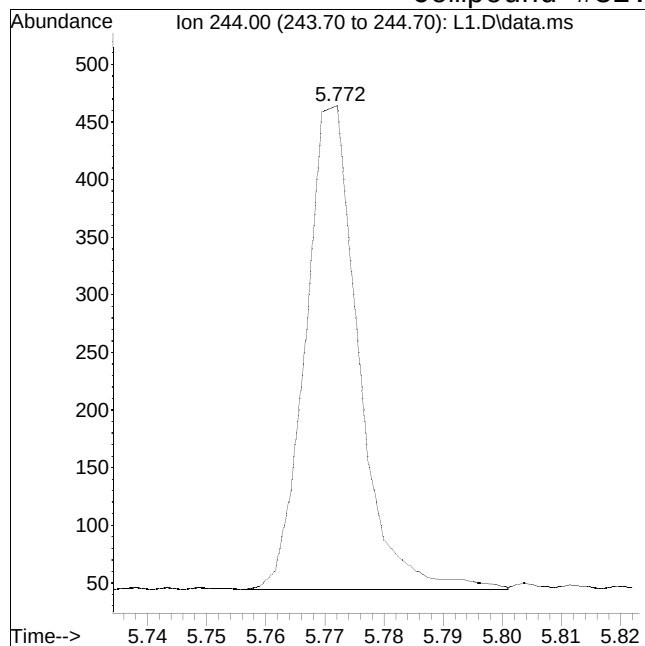
Manual Peak Response = 267 M7

M7 = A qualifier ion was manually integrated (only for GC/MS data).

Manual Integration Report

Data Path : I:\8270SIM\sv119\250625RVT01.M
Data File : L1.D
Date Inj'd : 6/25/2025 10:41 pm
Sample : IL1,32,,0.001 Lot# 11707
Method : SIM-RVT_250625_sv119.M
Operator : sv119:ljb
Instrument : SV119
Quant Date : 6/26/2025 7:47 am

Compound #32: 4-Terphenyl-d14



Original Peak Response = 262

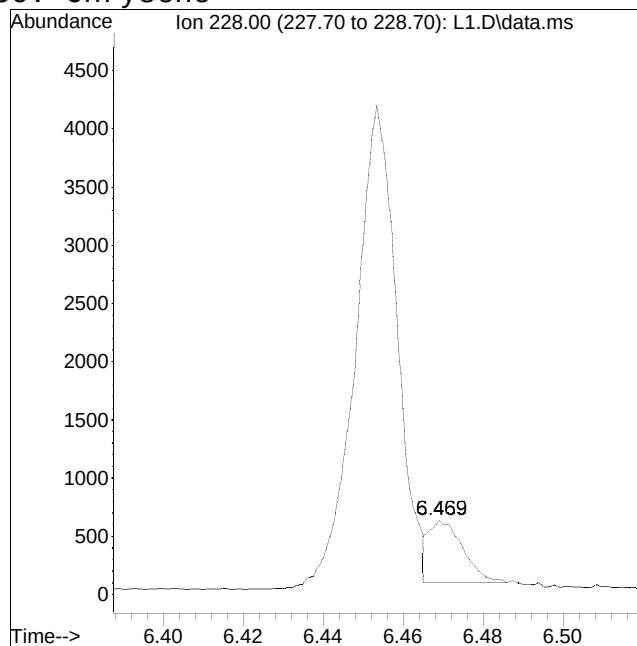
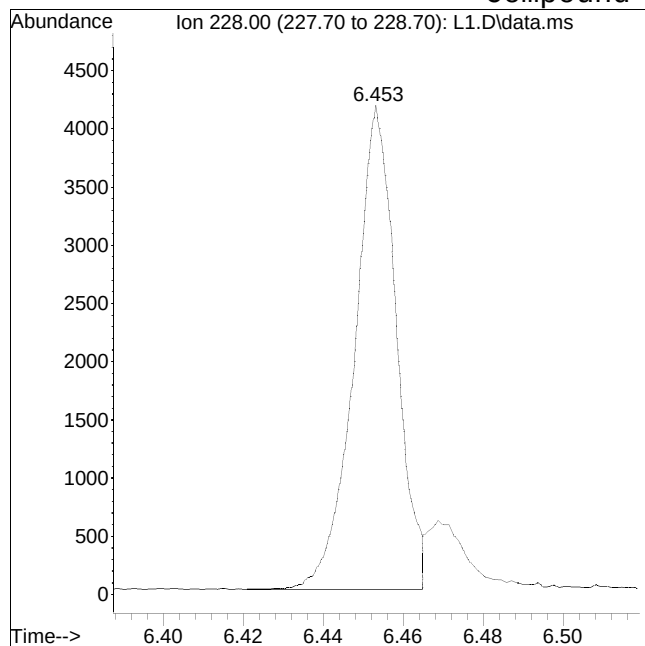
Manual Peak Response = 262 M7

M7 = A qualifier ion was manually integrated (only for GC/MS data).

Manual Integration Report

Data Path : I:\8270SIM\sv119\250625RVT01.M
Data File : L1.D
Date Inj'd : 6/25/2025 10:41 pm
Sample : IL1,32,,0.001 Lot# 11707
Method : SIM-RVT_250625_sv119.M
Operator : sv119:ljj
Instrument : SV119
Quant Date : 6/26/2025 7:47 am

Compound #36: Chrysene



Original Peak Response = 3026

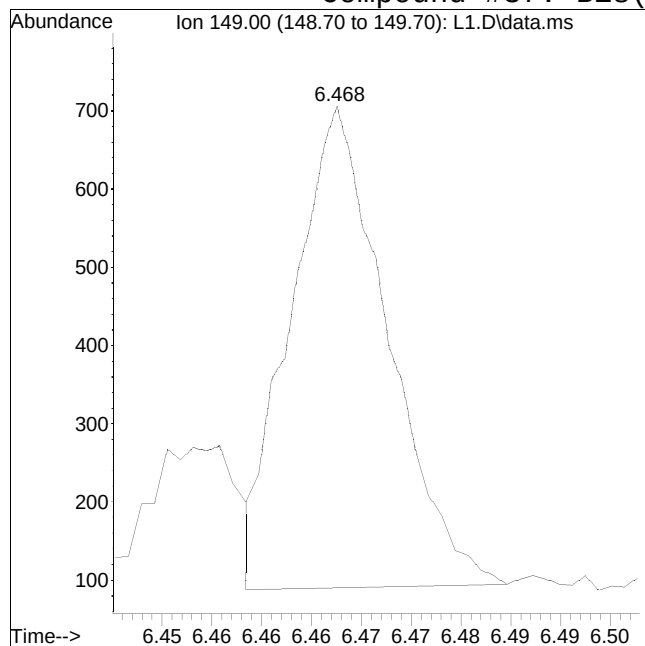
Manual Peak Response = 313 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

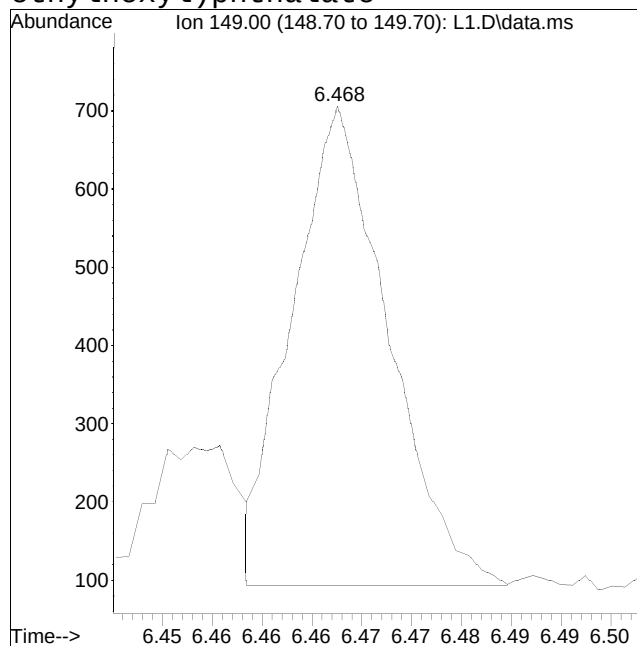
Data Path : I:\8270SIM\sv119\250625RVT01.M
Data File : L1.D
Date Inj'd : 6/25/2025 10:41 pm
Sample : IL1,32,,0.001 Lot# 11707
Method : SIM-RVT_250625_sv119.M
Operator : sv119:ljj
Instrument : SV119
Quant Date : 6/26/2025 7:47 am

Compound #37: Bis(2-ethylhexyl)phthalate



Original Peak Response = 412

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

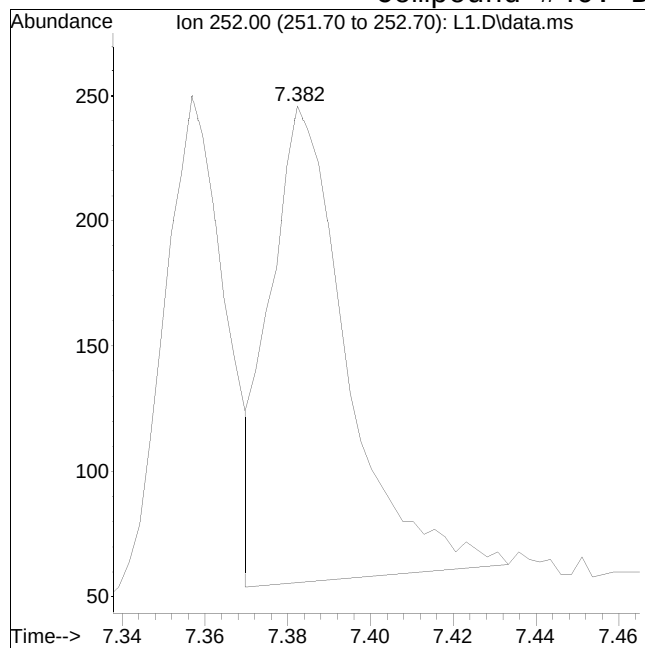


Manual Peak Response = 409 M6

Manual Integration Report

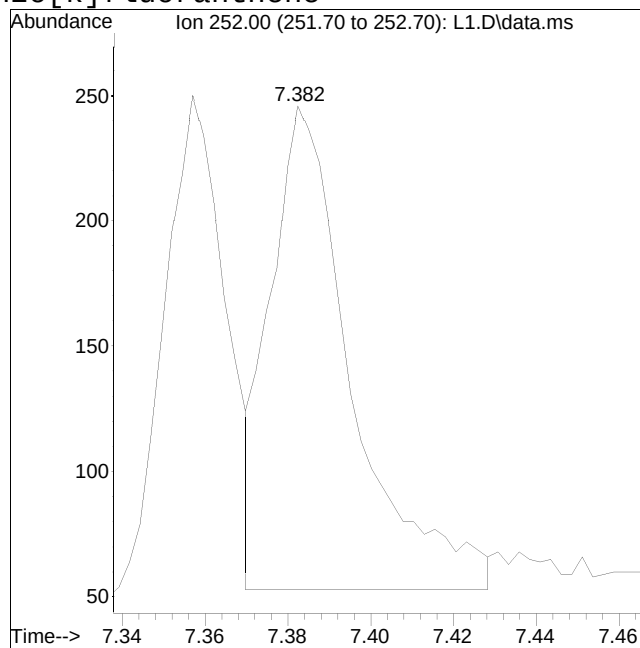
Data Path : I:\8270SIM\sv119\250625RVT01.M
Data File : L1.D
Date Inj'd : 6/25/2025 10:41 pm
Sample : IL1,32,,0.001 Lot# 11707
Method : SIM-RVT_250625_sv119.M
Operator : sv119:ljg
Instrument : SV119
Quant Date : 6/26/2025 7:47 am

Compound #40: Benzo[k]fluoranthene



Original Peak Response = 248

M4 = Poor automated baseline construction.

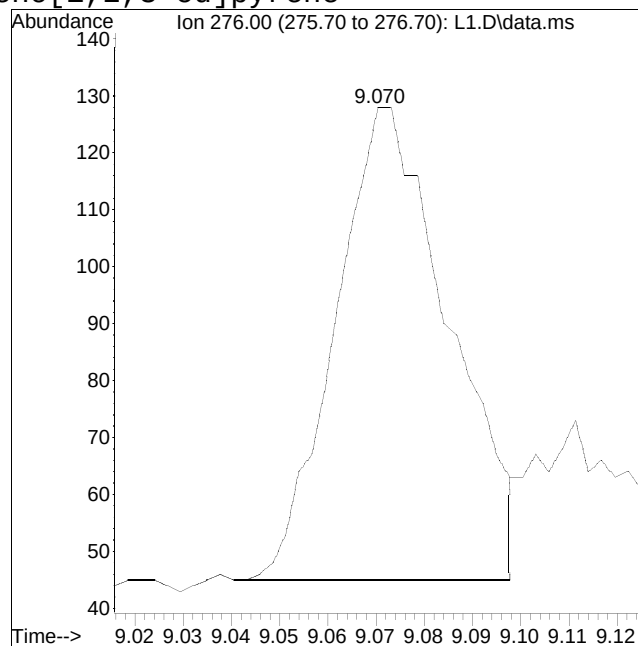
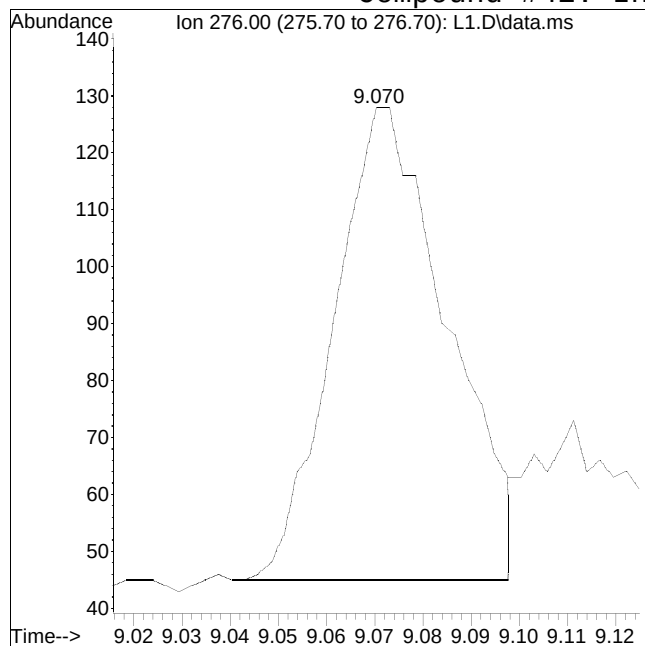


Manual Peak Response = 265 M4

Manual Integration Report

Data Path : I:\8270SIM\sv119\250625RVT01.M
Data File : L1.D
Date Inj'd : 6/25/2025 10:41 pm
Sample : IL1,32,,0.001 Lot# 11707
Method : SIM-RVT_250625_sv119.M
Operator : sv119:ljb
Instrument : SV119
Quant Date : 6/26/2025 7:47 am

Compound #42: Indeno[1,2,3-cd]pyrene



Original Peak Response = 136

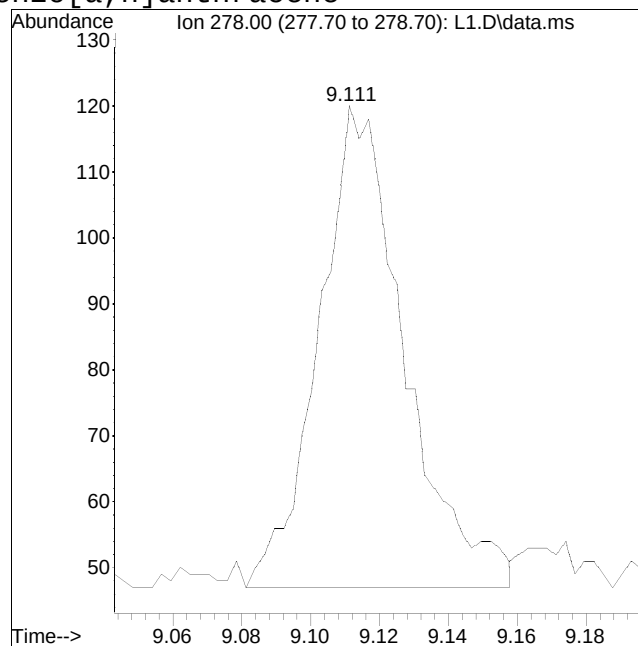
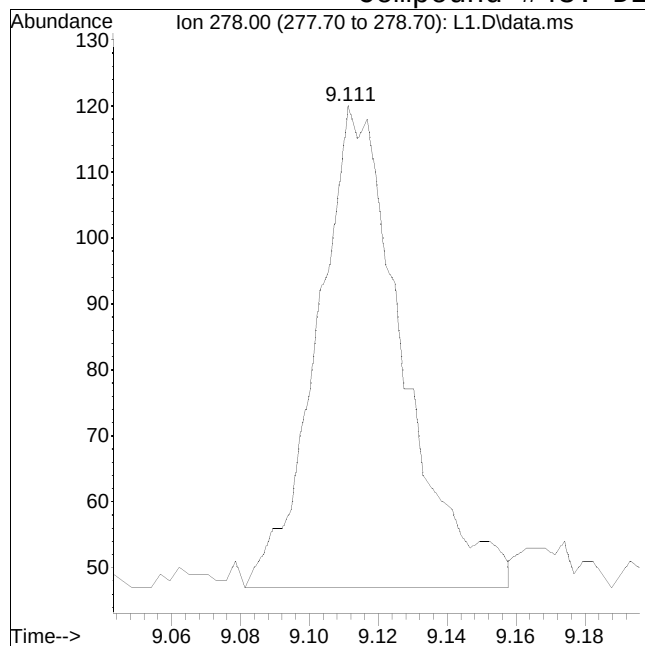
Manual Peak Response = 136 M7

M7 = A qualifier ion was manually integrated (only for GC/MS data).

Manual Integration Report

Data Path : I:\8270SIM\sv119\250625RVT01.M
Data File : L1.D
Date Inj'd : 6/25/2025 10:41 pm
Sample : IL1,32,,0.001 Lot# 11707
Method : SIM-RVT_250625_sv119.M
Operator : sv119:ljb
Instrument : SV119
Quant Date : 6/26/2025 7:47 am

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 126

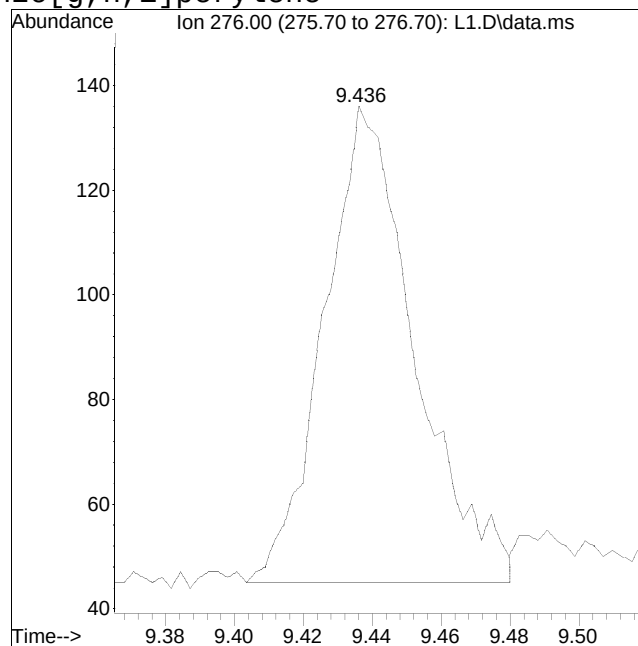
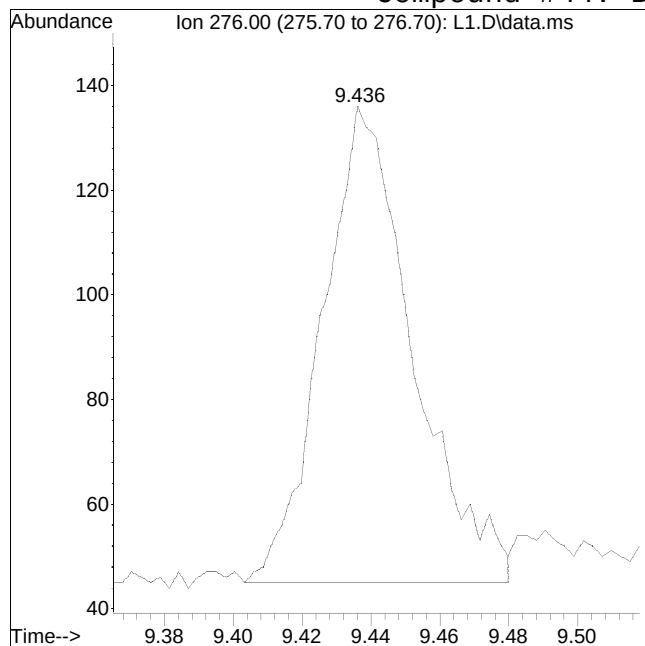
Manual Peak Response = 126 M7

M7 = A qualifier ion was manually integrated (only for GC/MS data).

Manual Integration Report

Data Path : I:\8270SIM\sv119\250625RVT\data.ms
Data File : L1.D
Date Inj'd : 6/25/2025 10:41 pm
Sample : IL1,32,,0.001 Lot# 11707
Method : SIM-RVT_250625_sv119.M
Operator : sv119:ljb
Instrument : SV119
Quant Date : 6/26/2025 7:47 am

Compound #44: Benzo[g,h,i]perylene



Original Peak Response = 166

Manual Peak Response = 166 M7

M7 = A qualifier ion was manually integrated (only for GC/MS data).

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\sv119\250625RVTical\
 Data File : ICV.D
 Acq On : 25 Jun 2025 10:58 pm
 Operator : sv119:ljl
 Sample : CQICV1,32,,1 Lot# 11696
 Misc : WG2084288,,ical
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 27 08:30:22 2025
 Quant Method : I:\8270SIM\sv119\250625RVTical\SIM-RVT_250625_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Jun 27 08:31:19 2025
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 i	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	122	0.00
2 T	N-Nitrosodimethylamine	0.682	0.684	-0.3	123	0.02
3 s	2-Fluorophenol	1.156	1.217	-5.3	135	0.01
4 s	Phenol-d6	1.436	1.504	-4.7	129	0.00
5 T	Bis(2-chloroethyl)ether	1.247	1.129	9.5	117	0.00
6 T	n-nitrosodi-n-propylamine	0.929	0.874	5.9	115	0.00
7 t	Hexachloroethane	0.514	0.502	2.3	121	0.00
8 s	Nitrobenzene-d5	1.315	1.254	4.6	119	0.00
9 i	Naphthalene-d8	1.000	1.000	0.0	117	0.00
10 t	Naphthalene	1.086	1.004	7.6	114	0.00
11 t	Hexachlorobutadiene	0.204	0.197	3.4	116	0.00
12 t	2-Methylnaphthalene	0.692	0.659	4.8	118	0.00
13 t	1-Methylnaphthalene	0.700	0.668	4.6	114	0.00
14 s	2-Fluorobiphenyl	0.896	0.874	2.5	116	0.00
15 t	2-Chloronaphthalene	0.753	0.731	2.9	114	0.00
16 t	2,6-Dinitrotoluene	0.162	0.163	-0.6	112	0.00
17 t	Acenaphthylene	1.266	1.246	1.6	113	0.00
18 i	Acenaphthene-d10	1.000	1.000	0.0	114	0.00
19 t	Acenaphthene	1.324	1.257	5.1	111	0.00
20 t	2,4-Dinitrotoluene	0.363	0.372	-2.5	111	0.00
21 t	Fluorene	1.596	1.508	5.5	109	0.00
22 s	2,4,6-Tribromophenol	0.230	0.250	-8.7	121	0.00
23 i	Phenanthrene-d10	1.000	1.000	0.0	111	0.00
24 T	4,6-Dinitro-o-cresol	*1000.000	1003.737	-0.4	122	0.00
25 t	Hexachlorobenzene	0.282	0.268	5.0	111	0.00
26 t	Pentachlorophenol	*1000.000	1029.669	-3.0	120	0.00
27 t	Phenanthrene	1.210	1.130	6.6	108	0.00
28 t	Anthracene	1.222	1.192	2.5	108	0.00
29 t	Fluoranthene	1.594	1.557	2.3	108	0.00
30 t	Pyrene	1.677	1.632	2.7	108	0.00
31 T	Benzidine	*1000.000	687.019	31.3#	77	0.00
32 s	4-Terphenyl-d14	1.106	1.092	1.3	108	0.00
33 i	Chrysene-d12	1.000	1.000	0.0	109	0.00
34 t	Benzo[a]anthracene	*1000.000	953.665	4.6	103	0.00
35 t	3,3'-Dichlorobenzidine	0.534	0.538	-0.7	100	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\sv119\250625RVTical\
 Data File : ICV.D
 Acq On : 25 Jun 2025 10:58 pm
 Operator : sv119:ljj
 Sample : CQICV1,32,,1 Lot# 11696
 Misc : WG2084288,,ical
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 27 08:30:22 2025
 Quant Method : I:\8270SIM\sv119\250625RVTical\SIM-RVT_250625_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Jun 27 08:31:19 2025
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
36 t	Chrysene	1.304	1.280	1.8	106	0.00
37 T	Bis(2-ethylhexyl)phthalate	0.716	0.730	-2.0	107	0.00
38 i	Perylene-d12	1.000	1.000	0.0	105	0.00
39 t	Benzo[b]fluoranthene	1.105	1.054	4.6	91	0.00
40 t	Benzo[k]fluoranthene	1.278	1.389	-8.7	109	0.00
41 t	Benzo[a]pyrene	1.050	1.072	-2.1	96	0.00
42 t	Indeno[1,2,3-cd]pyrene	*1000.000	763.105	23.7#	79	0.00
43 t	Dibenzo[a,h]anthracene	*1000.000	830.401	17.0	86	0.00
44 t	Benzo[g,h,i]perylene	0.975	0.989	-1.4	95	-0.01

* Evaluation of CC level amount vs concentration.
 (#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250625RVTical\
 Data File : ICV.D
 Acq On : 25 Jun 2025 10:58 pm
 Operator : sv119:ljl
 Sample : CQICV1,32,,1 Lot# 11696
 Misc : WG2084288,,ical
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 27 08:30:22 2025
 Quant Method : I:\8270SIM\sv119\250625RVTical\SIM-RVT_250625_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Jun 27 08:31:19 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\250625RVTical\L8.D
 Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.360	152	176358	4000.000	ng/ml	0.00
Standard Area 1 = 144221			Recovery	=	122.28%	
9) Naphthalene-d8	3.022	136	665652	4000.000	ng/ml	0.00
Standard Area 1 = 566700			Recovery	=	117.46%	
18) Acenaphthene-d10	3.996	164	394370	4000.000	ng/ml	0.00
Standard Area 1 = 346174			Recovery	=	113.92%	
23) Phenanthrene-d10	4.840	188	800068	4000.000	ng/ml	0.00
Standard Area 1 = 720898			Recovery	=	110.98%	
33) Chrysene-d12	6.452	240	949210	4000.000	ng/ml	0.00
Standard Area 1 = 872550			Recovery	=	108.79%	
38) Perylene-d12	7.764	264	954465	4000.000	ng/ml	0.00
Standard Area 1 = 911236			Recovery	=	104.74%	
System Monitoring Compounds						
3) 2-Fluorophenol	1.766	112	53658	1052.902	ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	52.65%	
4) Phenol-d6	2.161	99	66308	1047.503	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	52.38%	
8) Nitrobenzene-d5	2.639	82	55278	953.639	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	95.36%	
14) 2-Fluorobiphenyl	3.614	172	145502	975.463	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	97.55%	
22) 2,4,6-Tribromophenol	4.440	330	24680	1089.973	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	54.50%	
32) 4-Terphenyl-d14	5.770	244	218374	987.287	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	98.73%	
Target Compounds						
						Qvalue
2) N-Nitrosodimethylamine	1.312	74	30178	1003.305	ng/mL	79
5) Bis(2-chloroethyl)ether	2.220	93	49795	905.402	ng/ml	98
6) n-nitrosodi-n-propylamine	2.557	70	38524	940.192	ng/ml	99
7) Hexachloroethane	2.621	117	22134	977.510	ng/ml	98
10) Naphthalene	3.033	128	167044	924.027	ng/ml	100
11) Hexachlorobutadiene	3.105	225	32722	964.933	ng/ml	100
12) 2-Methylnaphthalene	3.410	142	109587	951.703	ng/ml	100
13) 1-Methylnaphthalene	3.466	142	111213	954.976	ng/ml	100
15) 2-Chloronaphthalene	3.681	162	121694	970.581	ng/ml	98
16) 2,6-Dinitrotoluene	3.870	165	27097	1002.226	ng/ml	98
17) Acenaphthylene	3.914	152	207347	984.460	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250625RVTical\
 Data File : ICV.D
 Acq On : 25 Jun 2025 10:58 pm
 Operator : sv119:ljj
 Sample : CQICV1,32,,1 Lot# 11696
 Misc : WG2084288,,ical
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 27 08:30:22 2025
 Quant Method : I:\8270SIM\sv119\250625RVTical\SIM-RVT_250625_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Jun 27 08:31:19 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\250625RVTical\L8.D
 Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19)	Acenaphthene	4.011	153	123896	948.818	ng/ml	98
20)	2,4-Dinitrotoluene	4.097	165	36672	1024.355	ng/ml	99
21)	Fluorene	4.302	166	148665	944.731	ng/ml	99
24)	4,6-Dinitro-o-cresol	4.327	198	20469	1003.737	ng/ml	99
25)	Hexachlorobenzene	4.621	284	53569	949.748	ng/ml	96
26)	Pentachlorophenol	4.732	266	23748	1029.669	ng/ml	100
27)	Phenanthrene	4.852	178	226030	934.007	ng/ml	100
28)	Anthracene	4.881	178	238348	975.313	ng/ml	100
29)	Fluoranthene	5.542	202	311379	976.860	ng/ml	99
30)	Pyrene	5.675	202	326454	973.207	ng/ml	100
31)	Benzydine	5.615	184	109066	687.019	ng/mL	100
34)	Benzo[a]anthracene	6.443	228	308276	953.665	ng/ml	100
35)	3,3'-Dichlorobenzidine	6.423	252	127612	1007.239	ng/ml	100
36)	Chrysene	6.469	228	303757	981.744	ng/ml	100
37)	Bis(2-ethylhexyl)phtha...	6.465	149	173316	1020.139	ng/ml	99
39)	Benzo[b]fluoranthene	7.357	252	251570	953.932	ng/ml	98
40)	Benzo[k]fluoranthene	7.382	252	331327M1	1086.304	ng/ml	
41)	Benzo[a]pyrene	7.695	252	255832	1021.068	ng/ml	100
42)	Indeno[1,2,3-cd]pyrene	9.081	276	169376	763.105	ng/ml	98
43)	Dibenzo[a,h]anthracene	9.117	278	189715M4	830.401	ng/ml	
44)	Benzo[g,h,i]perylene	9.447	276	236052	1014.330	ng/ml	99

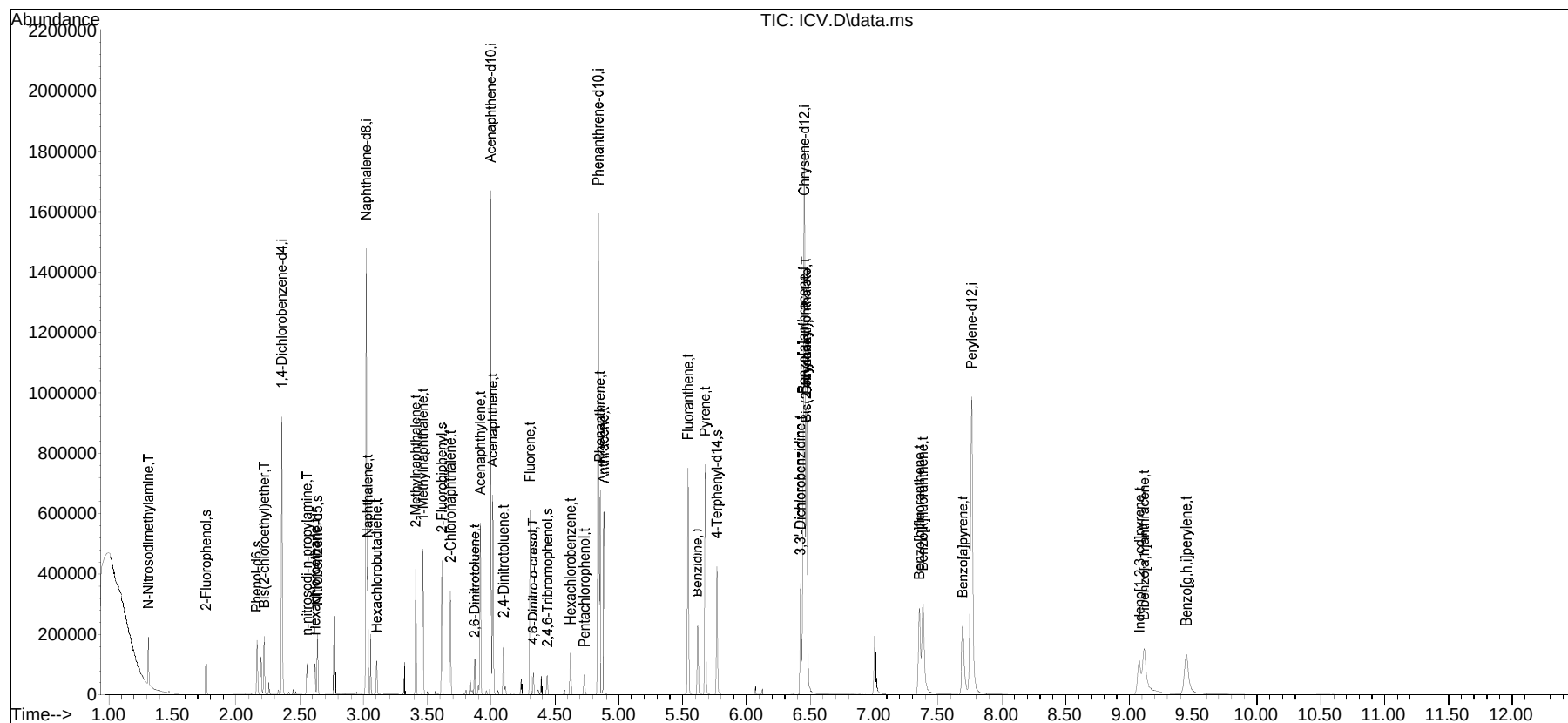
(#) = qualifier out of range (m) = manual integration (+) = signals summed

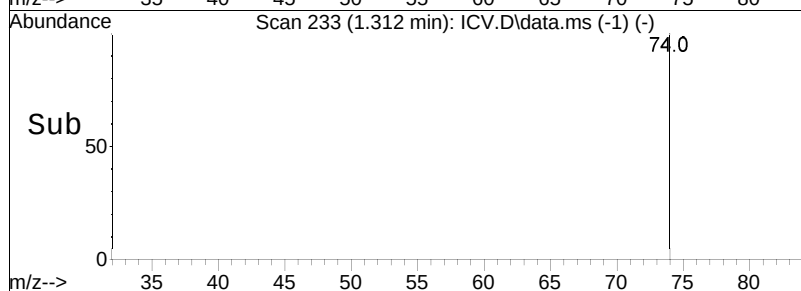
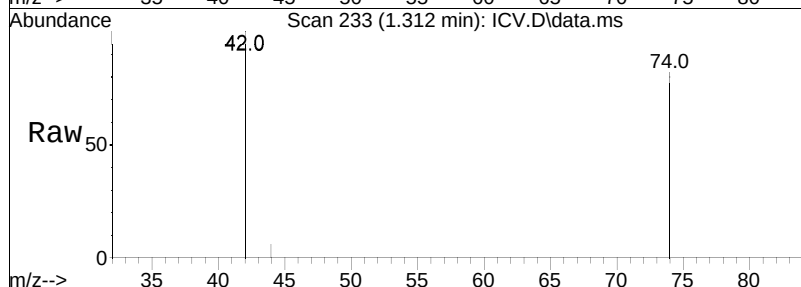
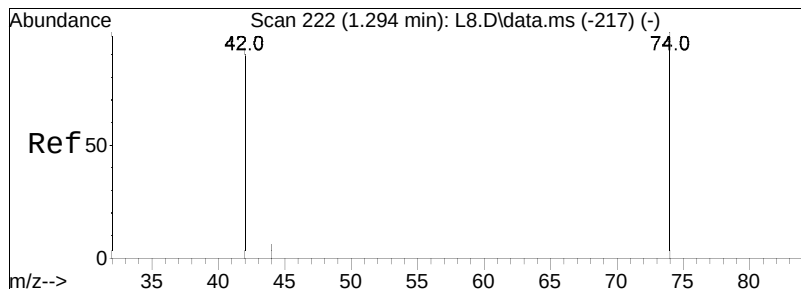
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250625RVTical\
 Data File : ICV.D
 Acq On : 25 Jun 2025 10:58 pm
 Operator : sv119:ljg
 Sample : CQICV1,32,,1 Lot# 11696
 Misc : WG2084288,,ical
 ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 27 08:30:22 2025
 Quant Method : I:\8270SIM\sv119\250625RVTical\SIM-RVT_250625_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Jun 27 08:31:19 2025
 Response via : Initial Calibration

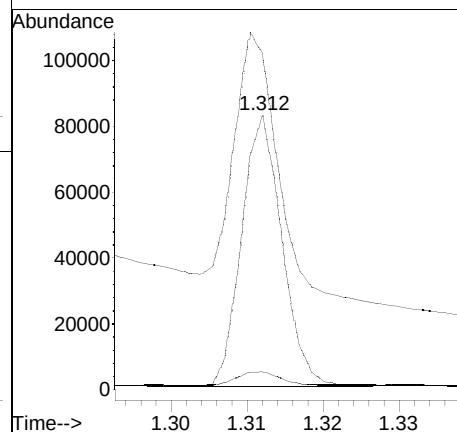
Sub List : Default - All compounds listedical\L8.D•

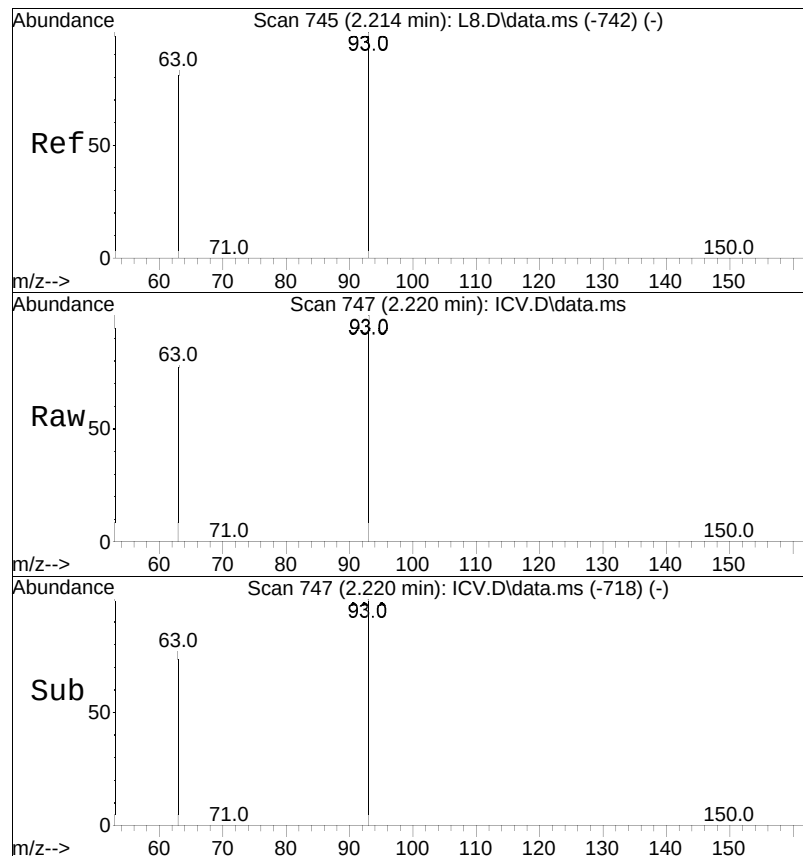




#2
 N-Nitrosodimethylamine
 Concen: 1003.31 ng/mL
 RT: 1.312 min Scan# 233
 Delta R.T. 0.018 min
 Lab File: ICV.D
 Acq: 25 Jun 2025 10:58 pm

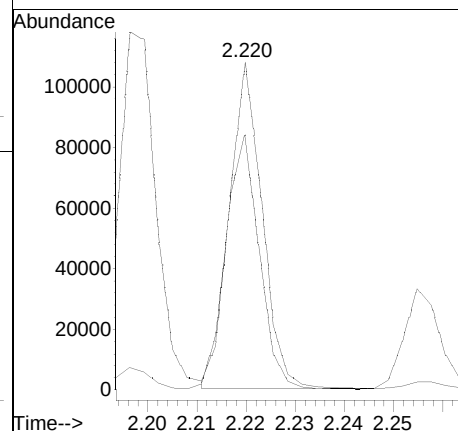
Tgt Ion: 74 Resp: 30178
 Ion Ratio Lower Upper
 74 100
 42 414.7 293.4 440.0
 44 5.6 4.3 6.5

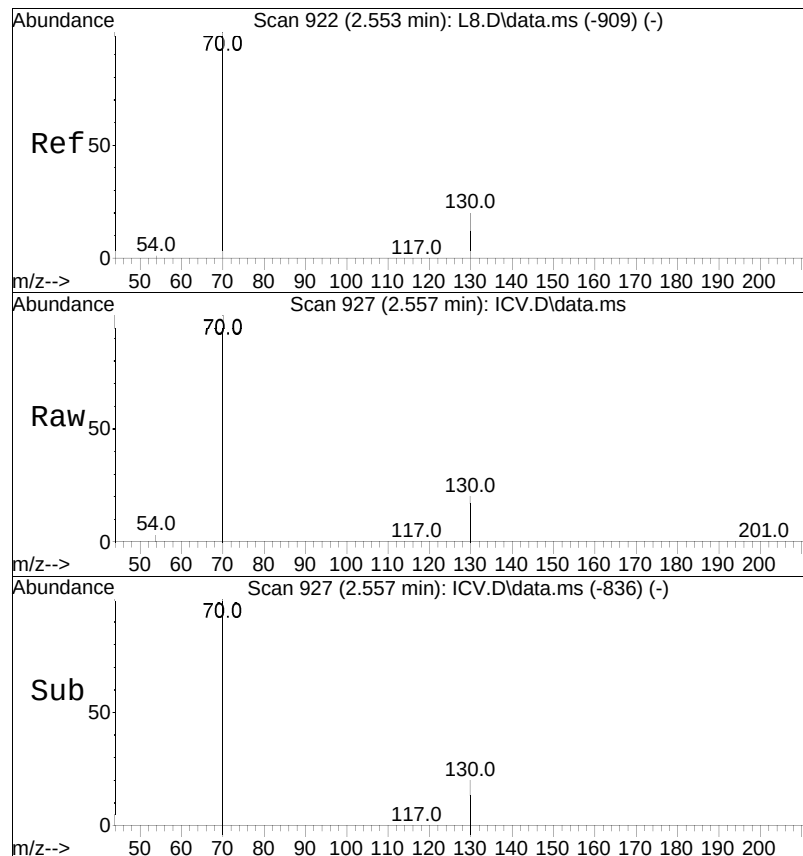




#5
 Bis(2-chloroethyl)ether
 Concen: 905.40 ng/ml
 RT: 2.220 min Scan# 747
 Delta R.T. 0.006 min
 Lab File: ICV.D
 Acq: 25 Jun 2025 10:58 pm

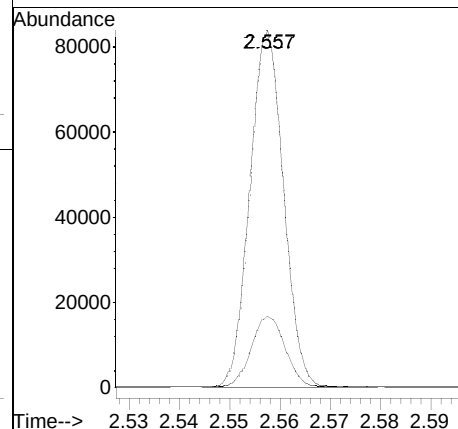
Tgt Ion	Ratio	Lower	Upper
93	100		
63	80.2	62.9	94.3

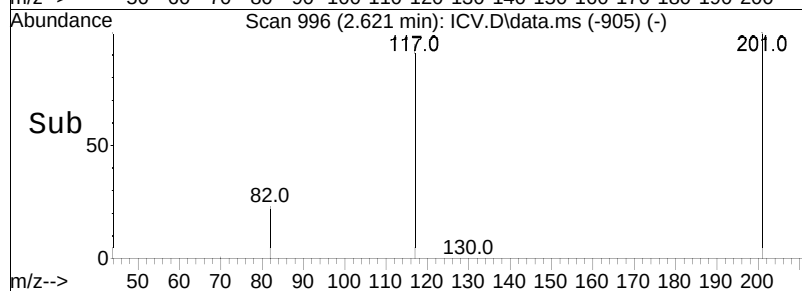
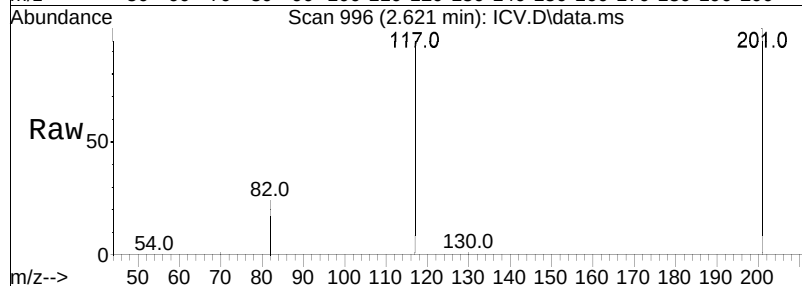
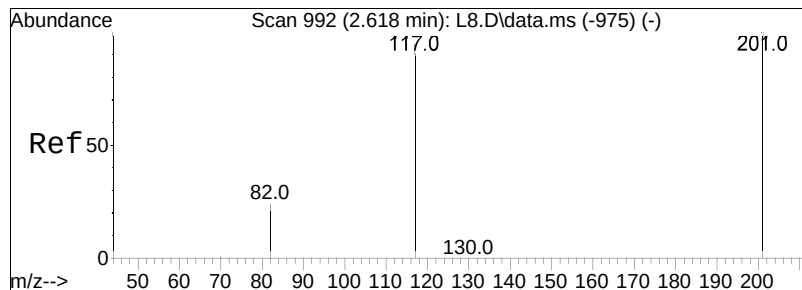




#6
 n-nitrosodi-n-propylamine
 Concen: 940.19 ng/ml
 RT: 2.557 min Scan# 927
 Delta R.T. 0.004 min
 Lab File: ICV.D
 Acq: 25 Jun 2025 10:58 pm

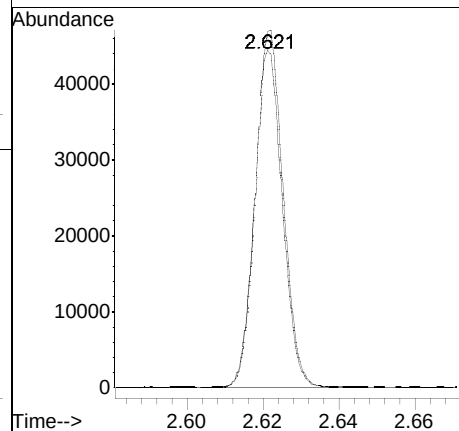
Tgt Ion	Ratio	Lower	Upper
70	100		
130	20.0	16.4	24.6

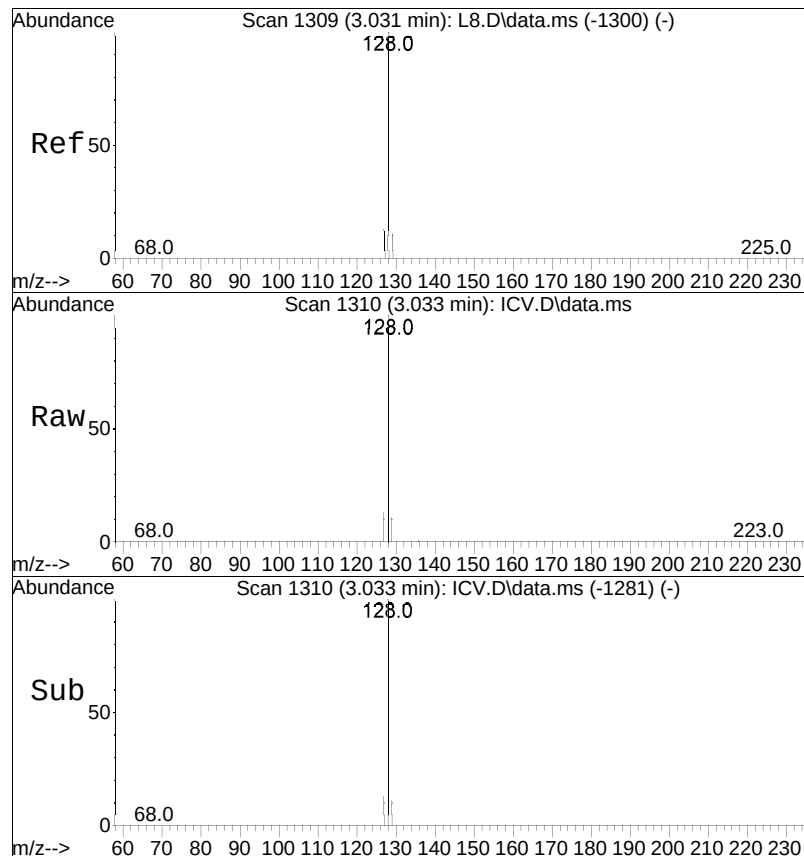




#7
 Hexachloroethane
 Concen: 977.51 ng/ml
 RT: 2.621 min Scan# 996
 Delta R.T. 0.003 min
 Lab File: ICV.D
 Acq: 25 Jun 2025 10:58 pm

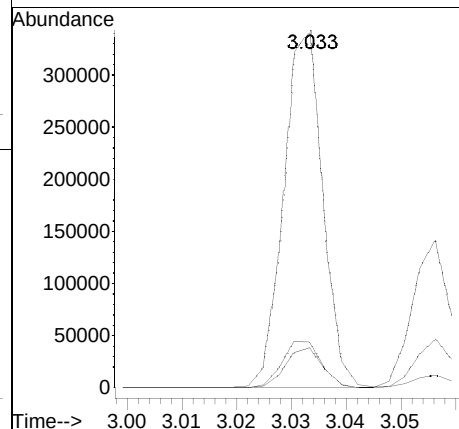
Tgt Ion	Ratio	Lower	Upper
117	100		
201	105.8	82.9	124.3

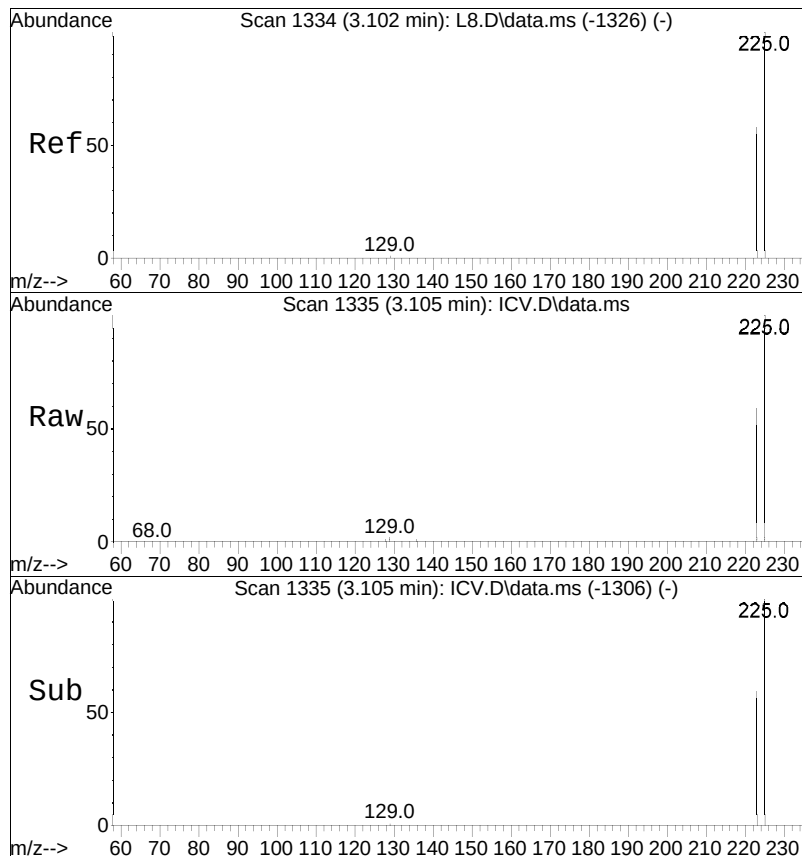




#10
 Naphthalene
 Concen: 924.03 ng/ml
 RT: 3.033 min Scan# 1310
 Delta R.T. 0.002 min
 Lab File: ICV.D
 Acq: 25 Jun 2025 10:58 pm

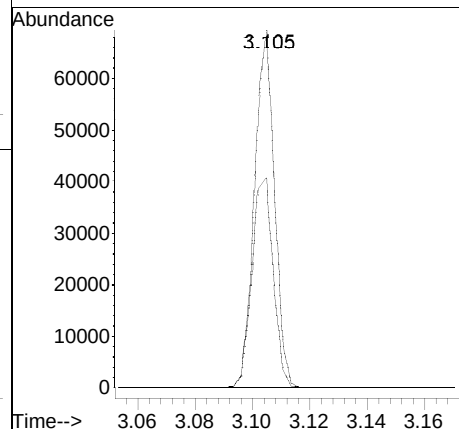
Tgt	Ion:128	Resp:	167044
Ion	Ratio	Lower	Upper
128	100		
129	11.0	8.8	13.2
127	13.4	10.6	15.8

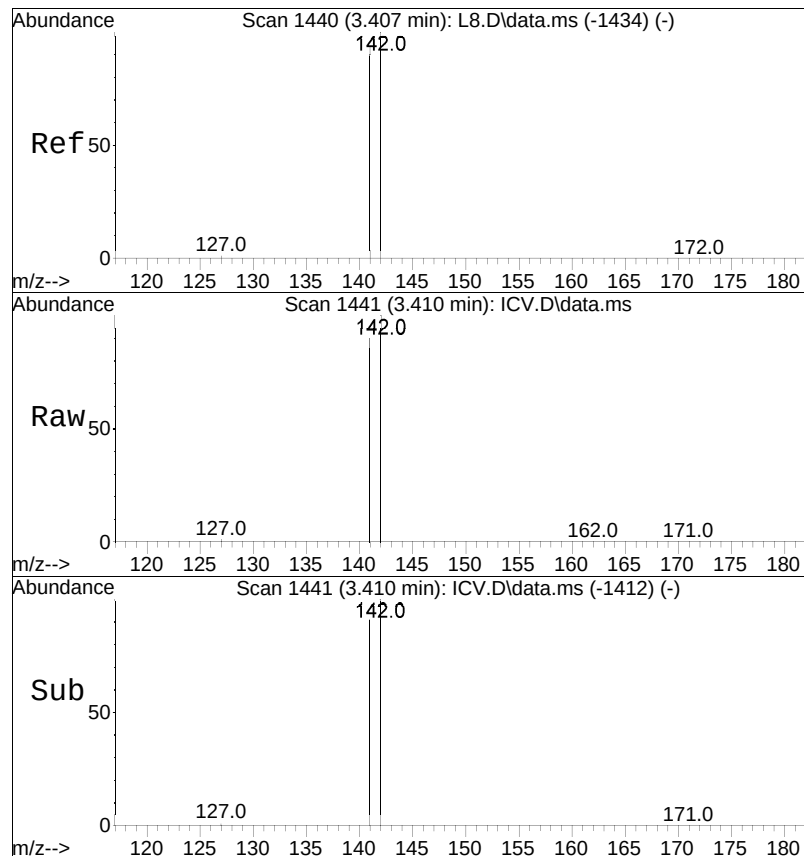




#11
 Hexachlorobutadiene
 Concen: 964.93 ng/ml
 RT: 3.105 min Scan# 1335
 Delta R.T. 0.003 min
 Lab File: ICV.D
 Acq: 25 Jun 2025 10:58 pm

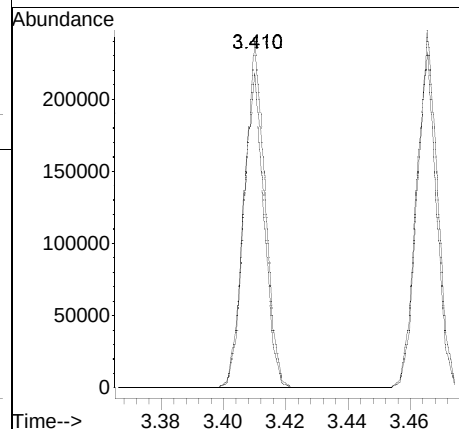
Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	50.2	75.4

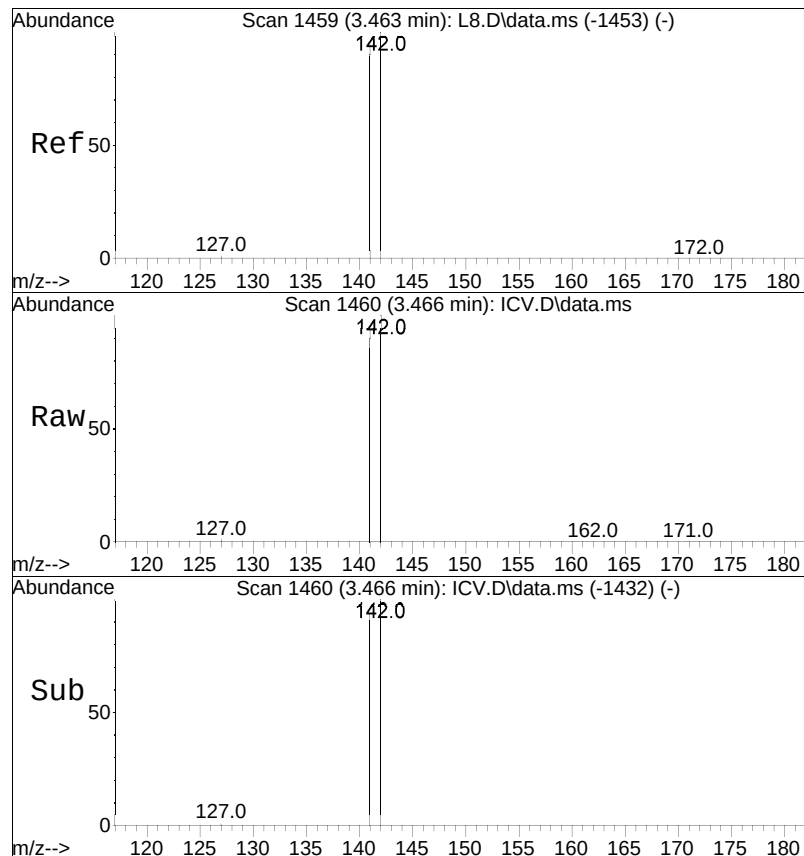




#12
 2-Methylnaphthalene
 Concen: 951.70 ng/ml
 RT: 3.410 min Scan# 1441
 Delta R.T. 0.003 min
 Lab File: ICV.D
 Acq: 25 Jun 2025 10:58 pm

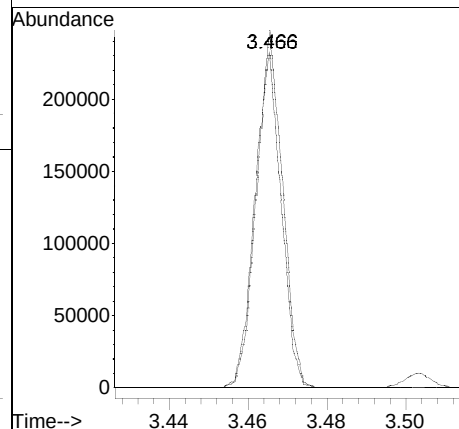
Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.8	73.6	110.4

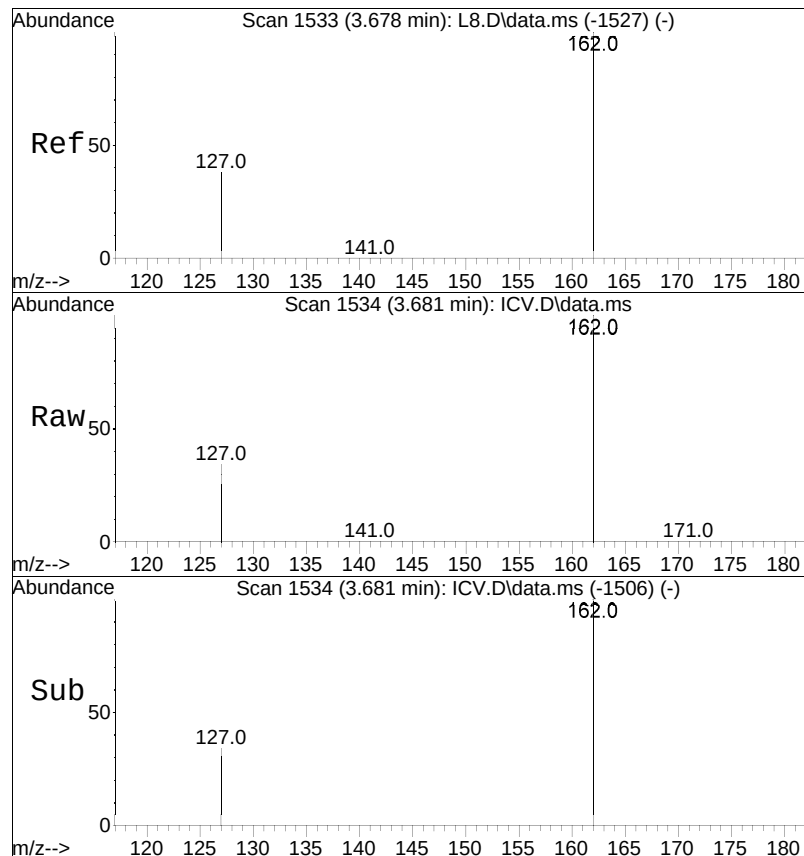




#13
 1-Methylnaphthalene
 Concen: 954.98 ng/ml
 RT: 3.466 min Scan# 1460
 Delta R.T. 0.003 min
 Lab File: ICV.D
 Acq: 25 Jun 2025 10:58 pm

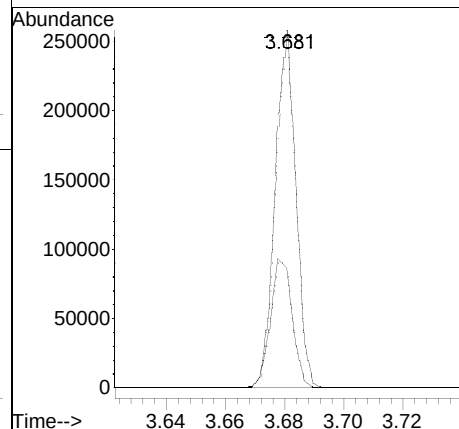
Tgt Ion	Ratio	Lower	Upper
142	100		
141	95.2	76.0	114.0

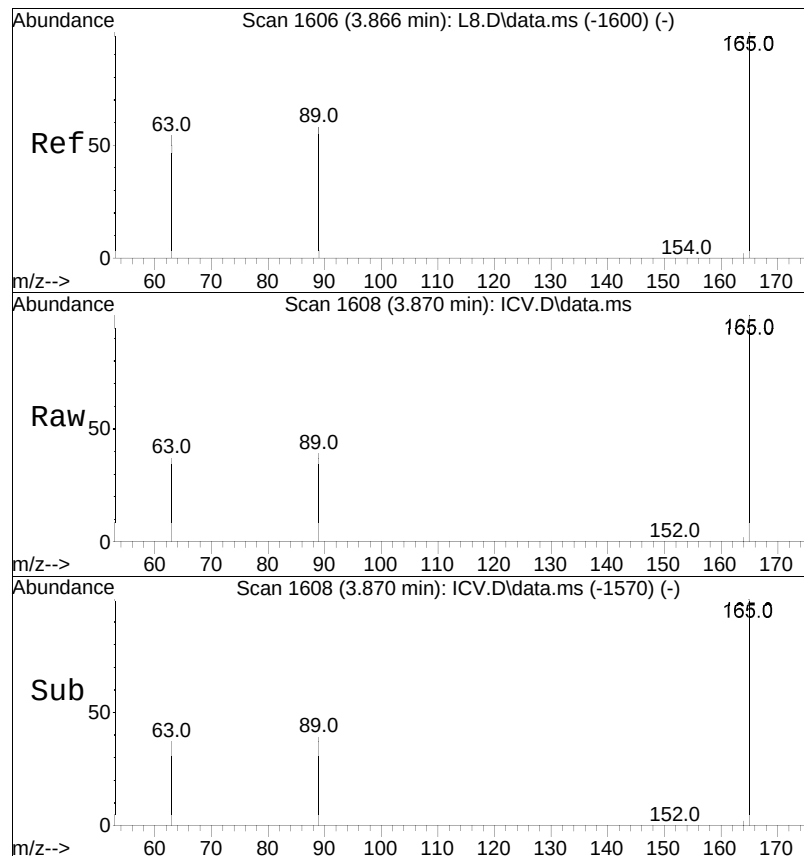




#15
 2-Chloronaphthalene
 Concen: 970.58 ng/ml
 RT: 3.681 min Scan# 1534
 Delta R.T. 0.003 min
 Lab File: ICV.D
 Acq: 25 Jun 2025 10:58 pm

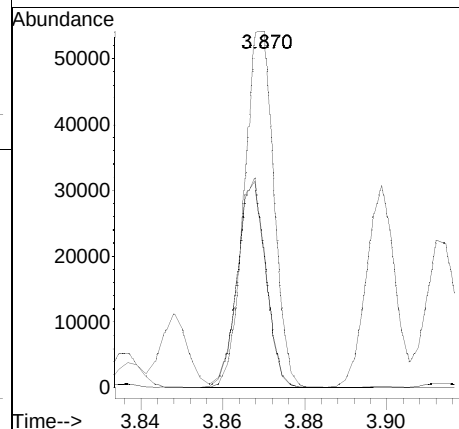
Tgt Ion:	162	Resp:	121694
Ion Ratio	Lower	Upper	
162	100		
127	38.3	29.8	44.8

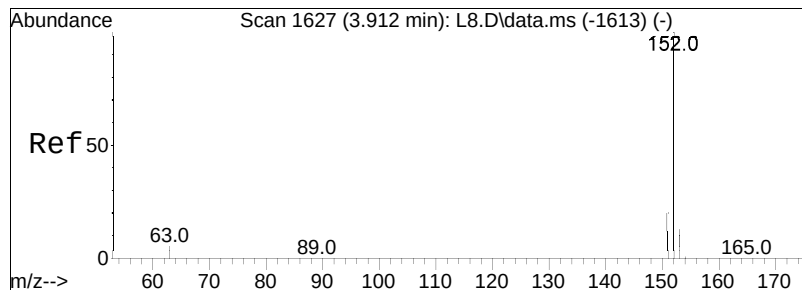




#16
 2,6-Dinitrotoluene
 Concen: 1002.23 ng/ml
 RT: 3.870 min Scan# 1608
 Delta R.T. 0.004 min
 Lab File: ICV.D
 Acq: 25 Jun 2025 10:58 pm

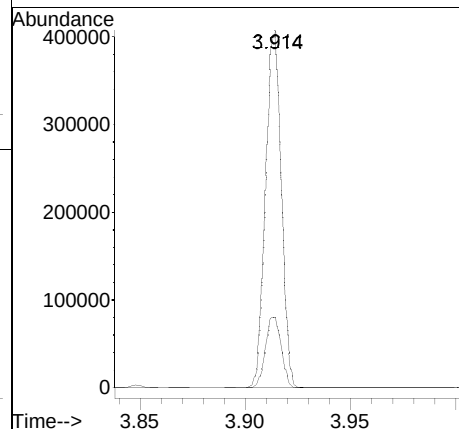
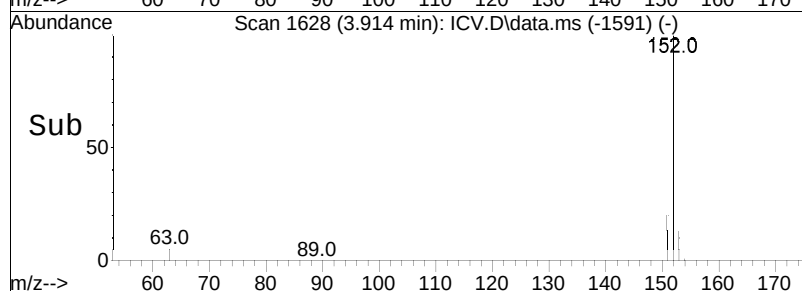
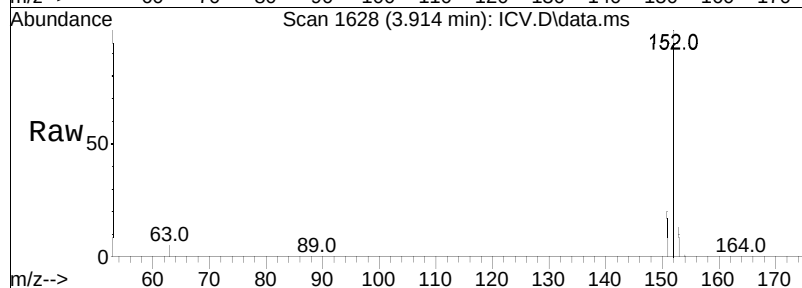
Tgt Ion:	165	Resp:	27097
Ion Ratio	Lower	Upper	
165	100		
89	55.9	45.6	68.4
63	55.3	45.4	68.2

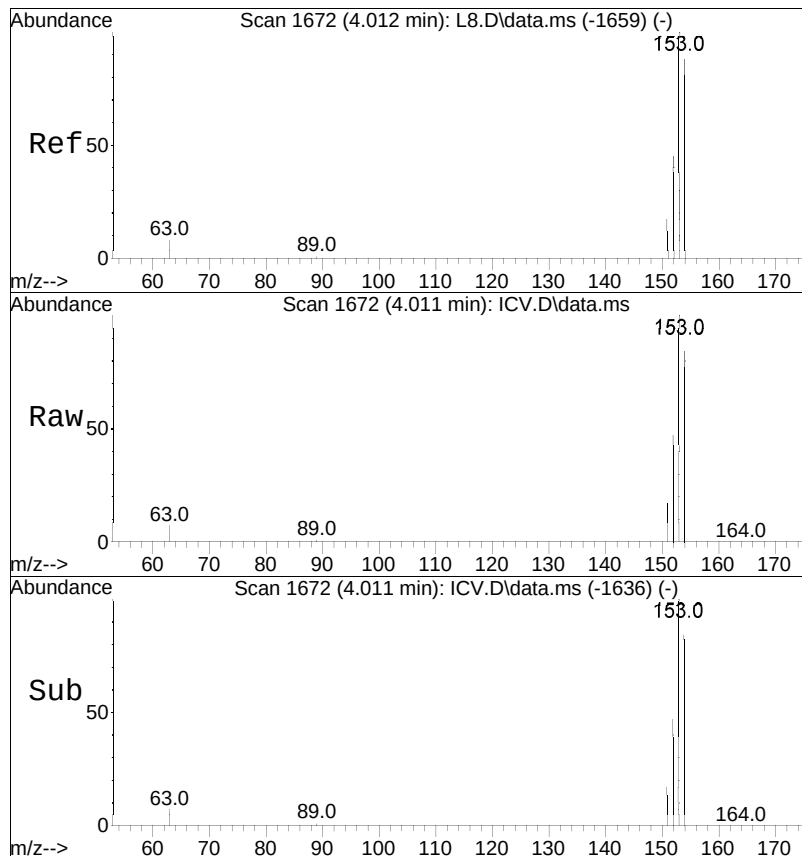




#17
 Acenaphthylene
 Concen: 984.46 ng/ml
 RT: 3.914 min Scan# 1628
 Delta R.T. 0.002 min
 Lab File: ICV.D
 Acq: 25 Jun 2025 10:58 pm

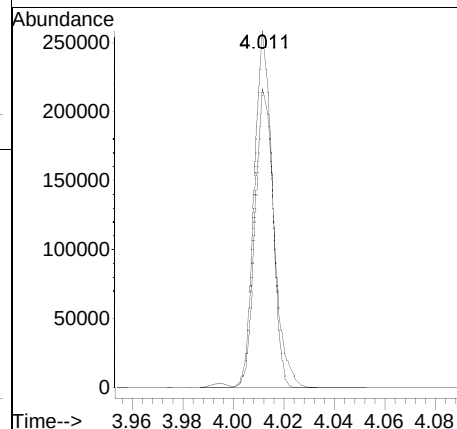
Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.1	16.2	24.2

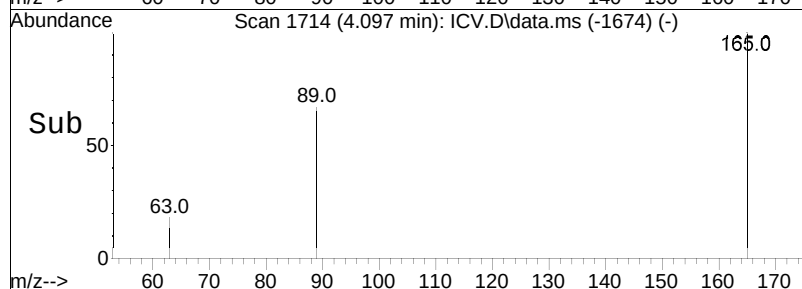
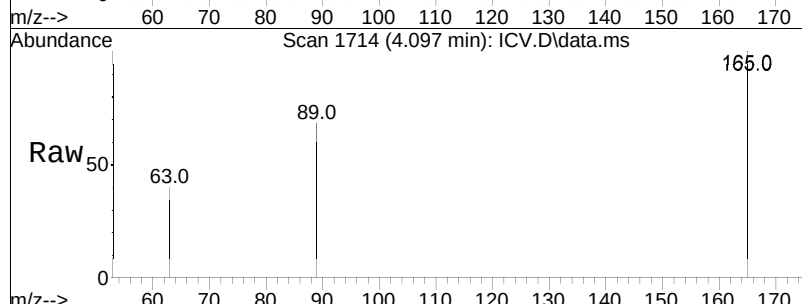
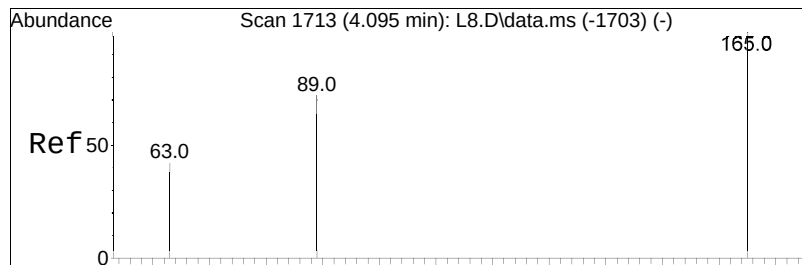




#19
 Acenaphthene
 Concen: 948.82 ng/ml
 RT: 4.011 min Scan# 1672
 Delta R.T. -0.001 min
 Lab File: ICV.D
 Acq: 25 Jun 2025 10:58 pm

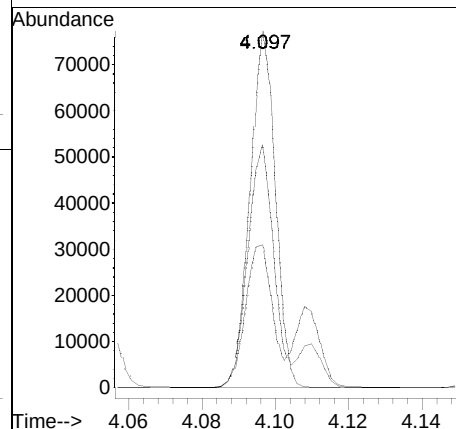
Tgt Ion	Ratio	Lower	Upper
153	100		
154	91.5	72.0	108.0

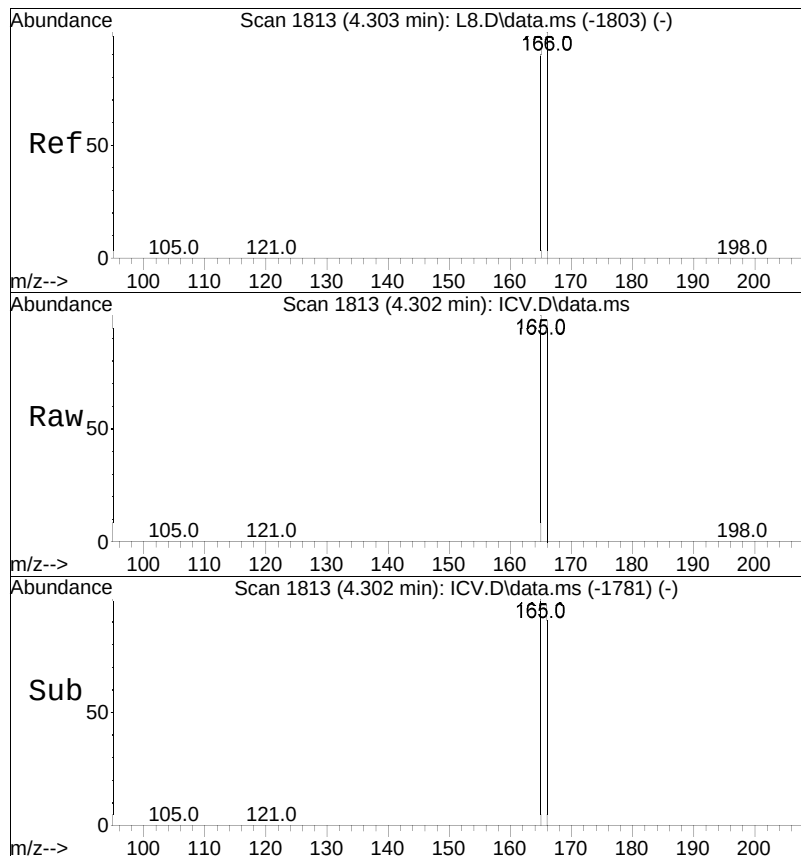




#20
 2,4-Dinitrotoluene
 Concen: 1024.35 ng/ml
 RT: 4.097 min Scan# 1714
 Delta R.T. 0.002 min
 Lab File: ICV.D
 Acq: 25 Jun 2025 10:58 pm

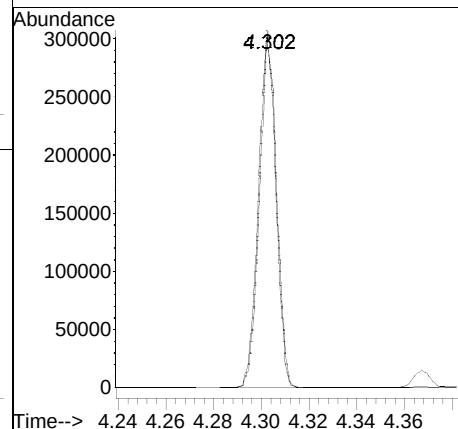
Tgt Ion	Ratio	Lower	Upper
165	100		
89	69.8	56.6	85.0
63	42.8	35.0	52.6

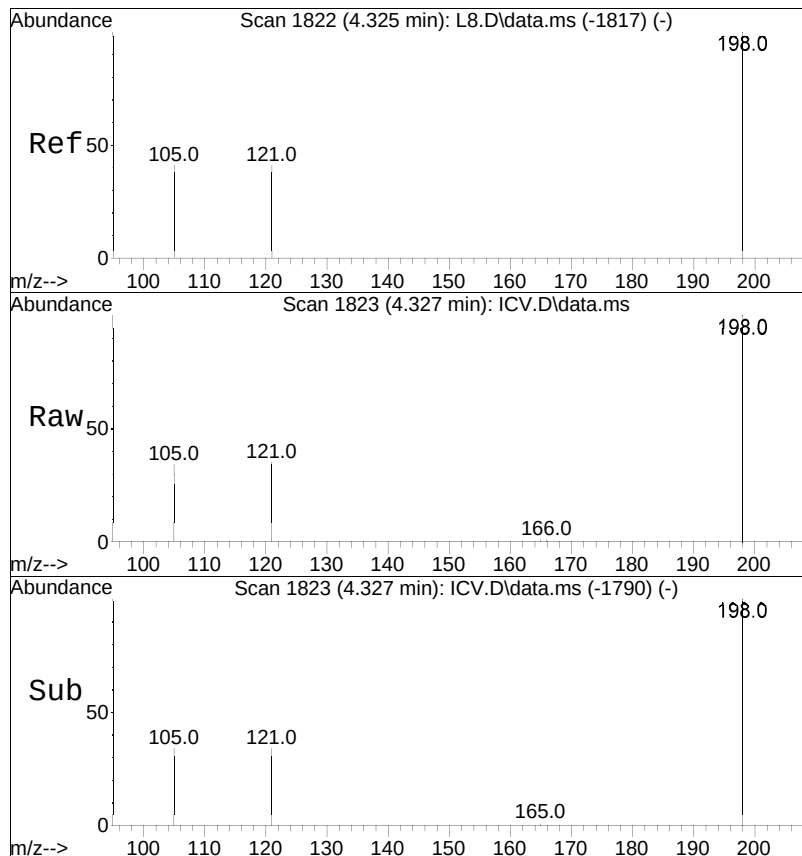




#21
 Fluorene
 Concen: 944.73 ng/ml
 RT: 4.302 min Scan# 1813
 Delta R.T. -0.001 min
 Lab File: ICV.D
 Acq: 25 Jun 2025 10:58 pm

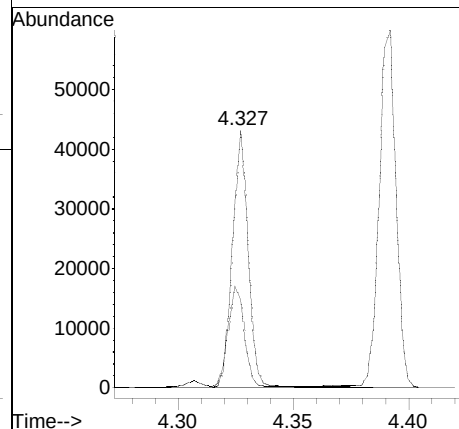
Tgt Ion	Ratio	Lower	Upper
166	100		
165	101.4	81.5	122.3

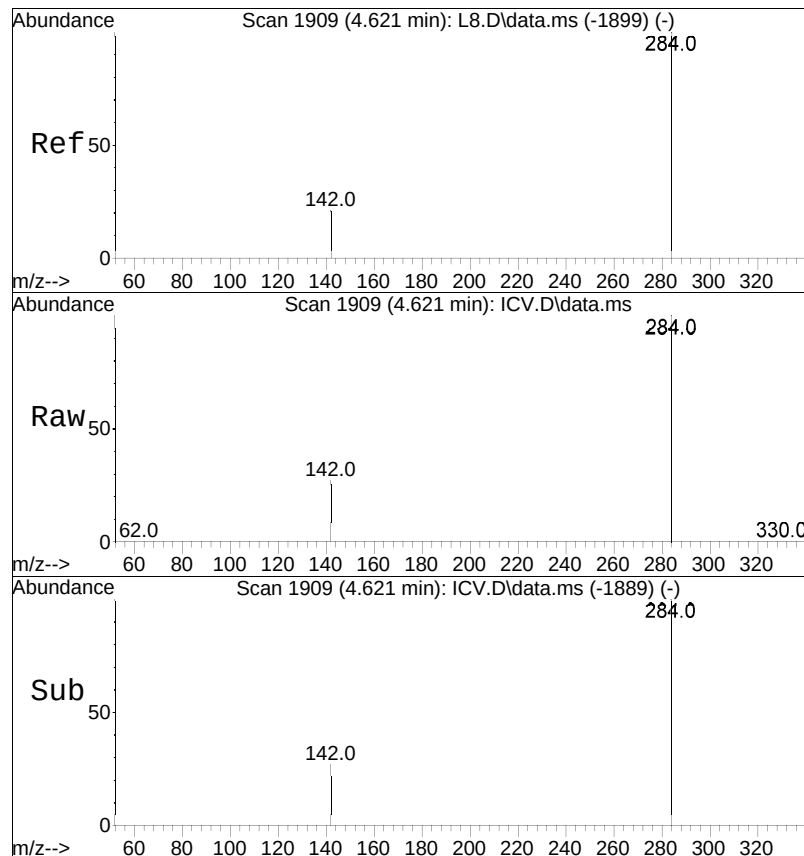




#24
 4,6-Dinitro-o-cresol
 Concen: 1003.74 ng/ml
 RT: 4.327 min Scan# 1823
 Delta R.T. 0.002 min
 Lab File: ICV.D
 Acq: 25 Jun 2025 10:58 pm

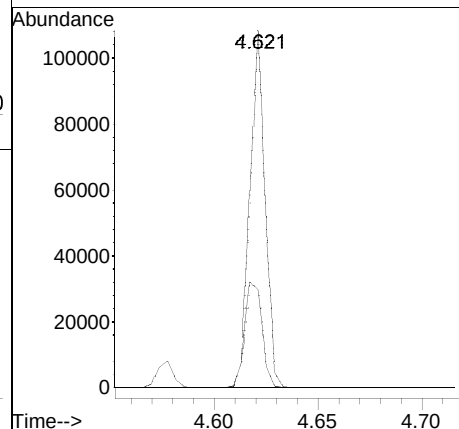
Tgt Ion	Ratio	Lower	Upper
198	100		
105	40.5	32.1	48.1

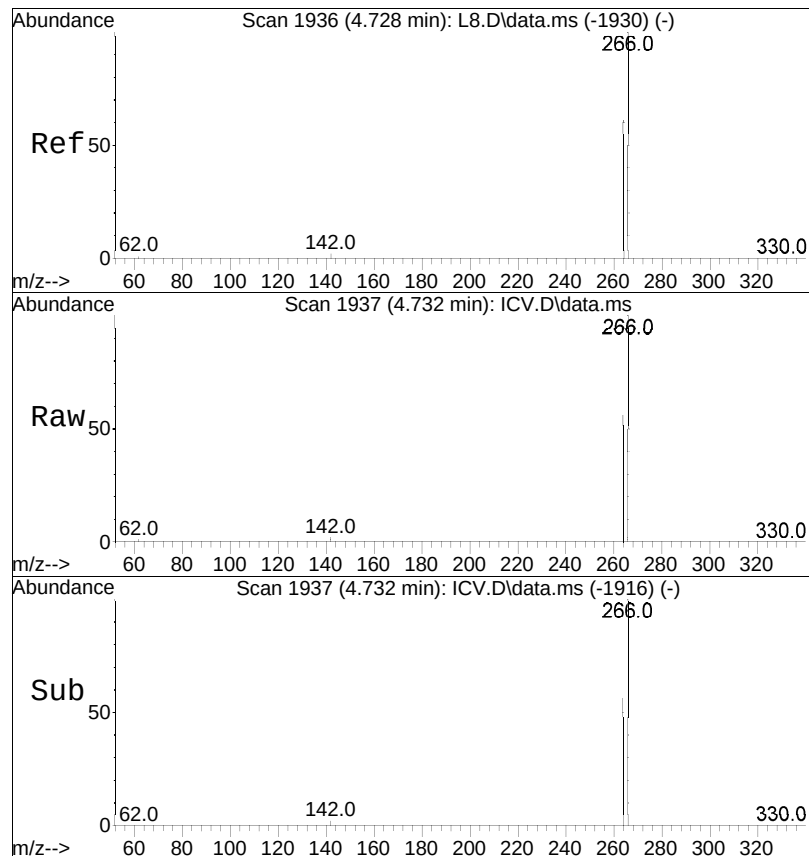




#25
 Hexachlorobenzene
 Concen: 949.75 ng/ml
 RT: 4.621 min Scan# 1909
 Delta R.T. 0.000 min
 Lab File: ICV.D
 Acq: 25 Jun 2025 10:58 pm

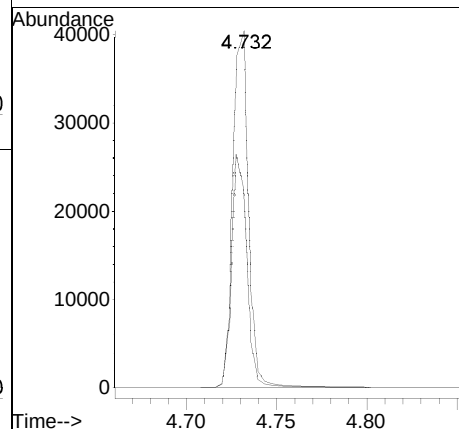
Tgt Ion	Ratio	Lower	Upper
284	100		
142	33.9	28.8	43.2

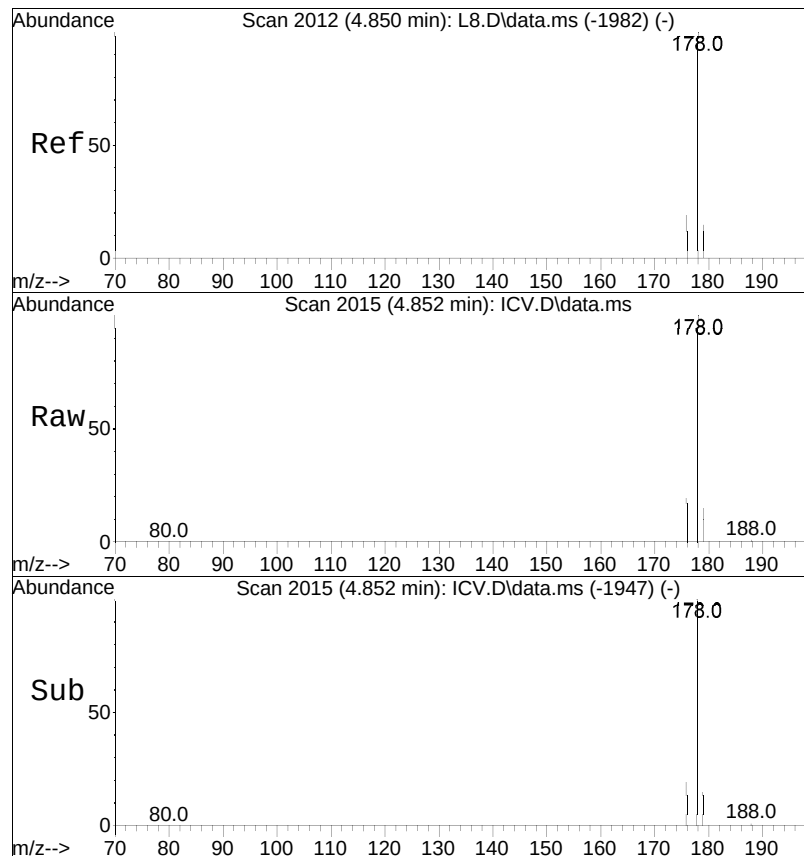




#26
 Pentachlorophenol
 Concen: 1029.67 ng/ml
 RT: 4.732 min Scan# 1937
 Delta R.T. 0.004 min
 Lab File: ICV.D
 Acq: 25 Jun 2025 10:58 pm

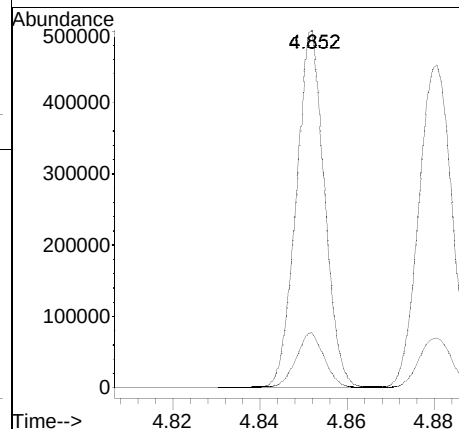
Tgt Ion	Ratio	Lower	Upper
266	100		
264	63.4	50.6	76.0

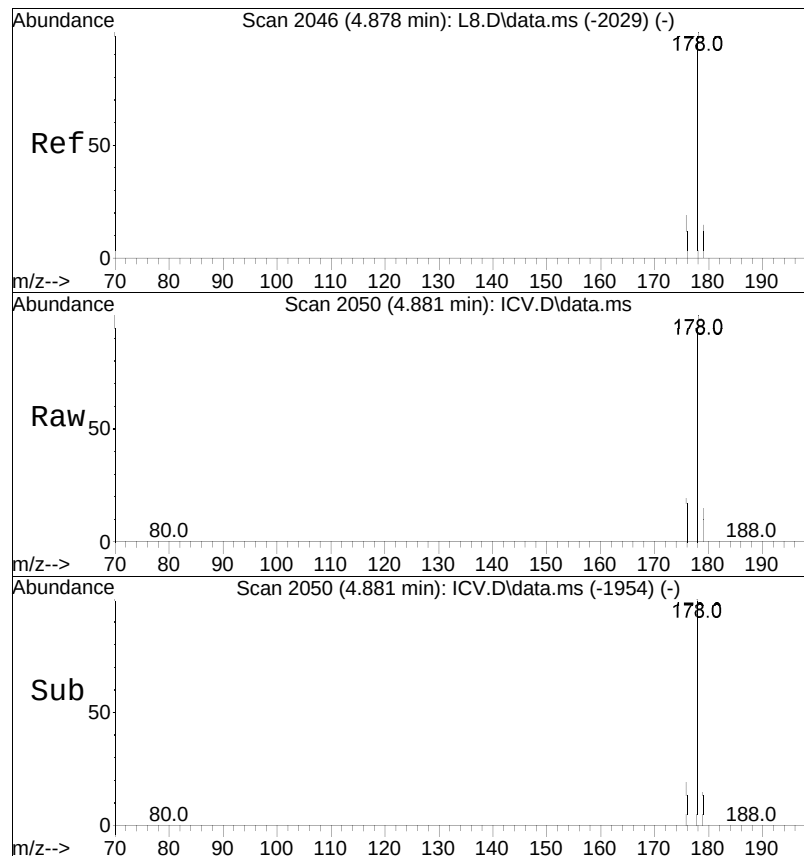




#27
 Phenanthrene
 Concen: 934.01 ng/ml
 RT: 4.852 min Scan# 2015
 Delta R.T. 0.002 min
 Lab File: ICV.D
 Acq: 25 Jun 2025 10:58 pm

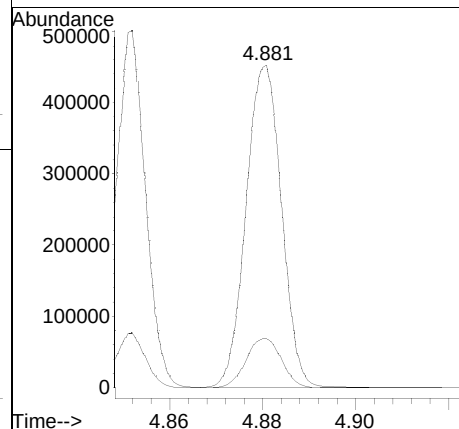
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.4	18.6

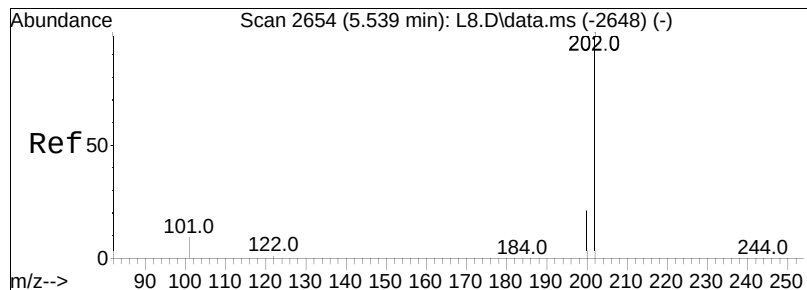




#28
 Anthracene
 Concen: 975.31 ng/ml
 RT: 4.881 min Scan# 2050
 Delta R.T. 0.003 min
 Lab File: ICV.D
 Acq: 25 Jun 2025 10:58 pm

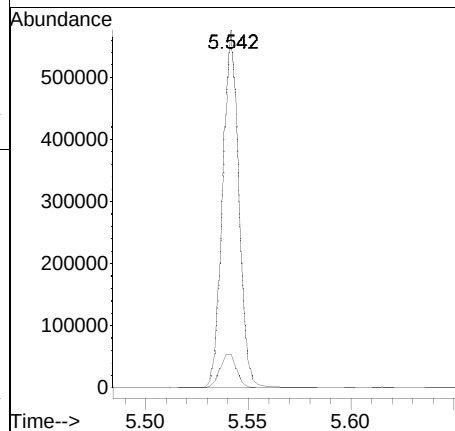
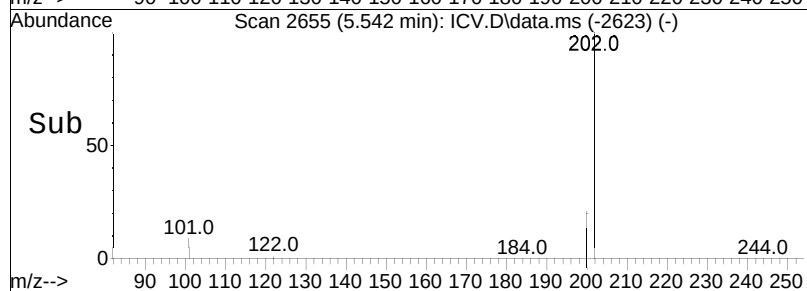
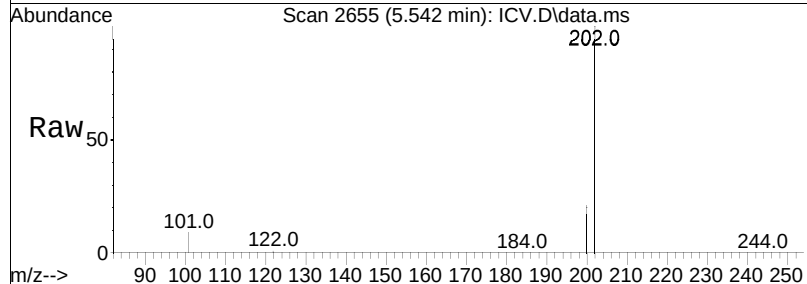
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.2	18.2

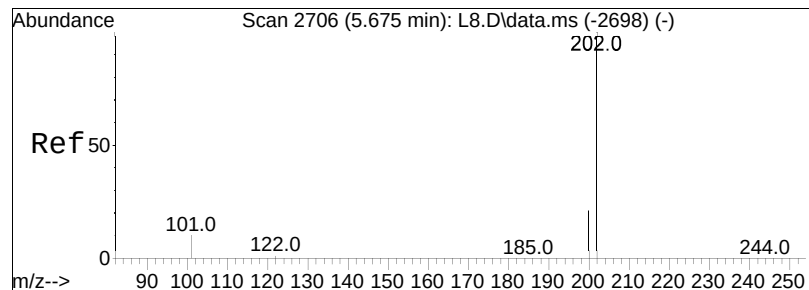




#29
 Fluoranthene
 Concen: 976.86 ng/ml
 RT: 5.542 min Scan# 2655
 Delta R.T. 0.003 min
 Lab File: ICV.D
 Acq: 25 Jun 2025 10:58 pm

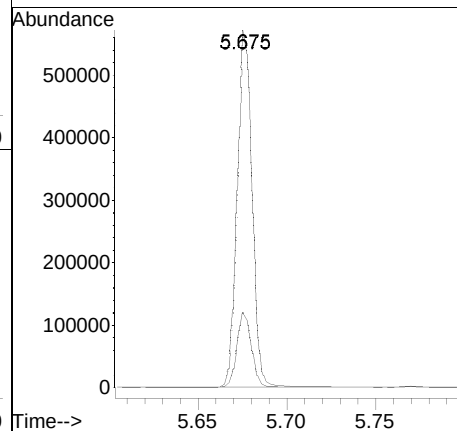
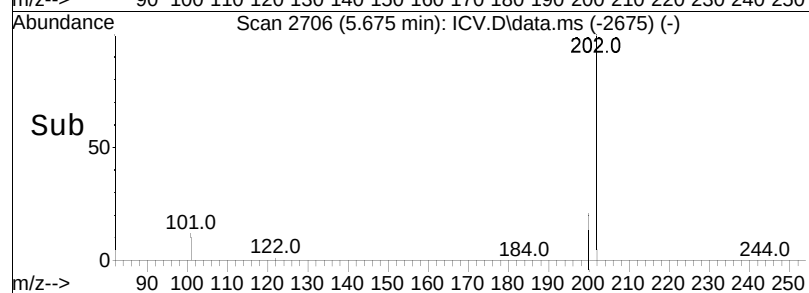
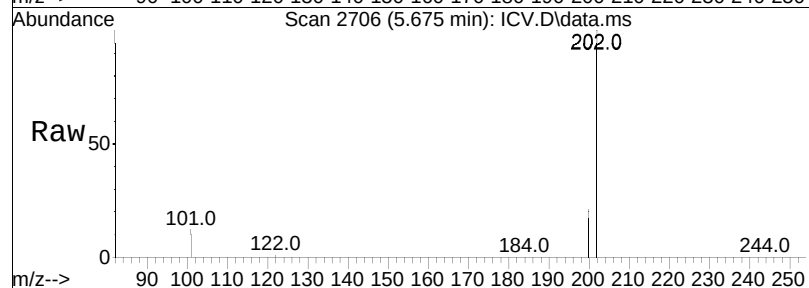
Tgt	Ion	Ratio	Lower	Upper
202	100			
101	9.8	7.5	11.3	

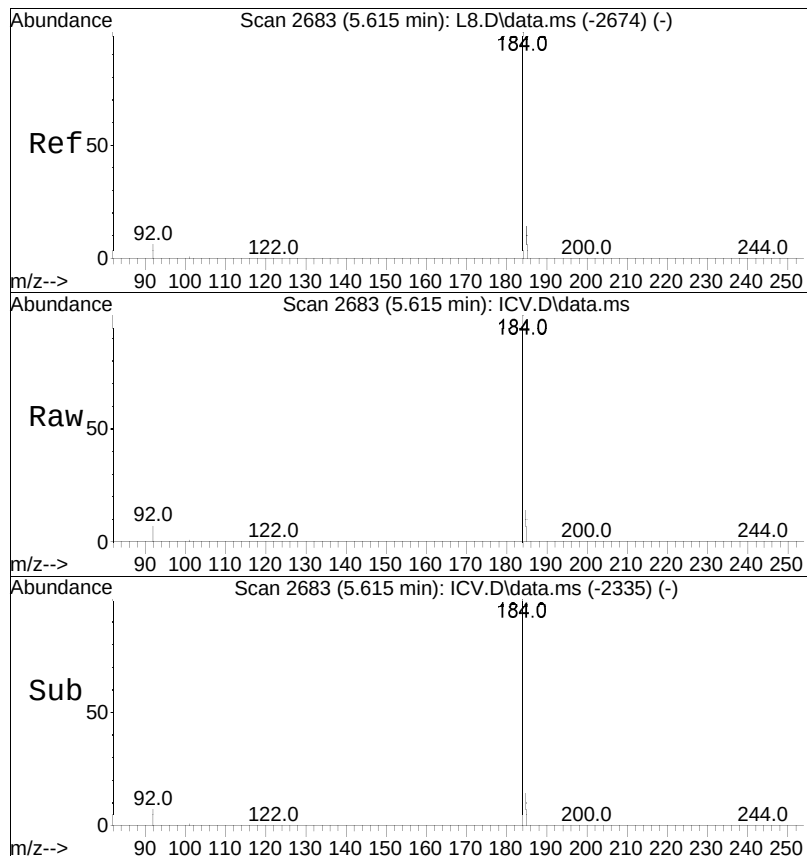




#30
 Pyrene
 Concen: 973.21 ng/ml
 RT: 5.675 min Scan# 2706
 Delta R.T. 0.000 min
 Lab File: ICV.D
 Acq: 25 Jun 2025 10:58 pm

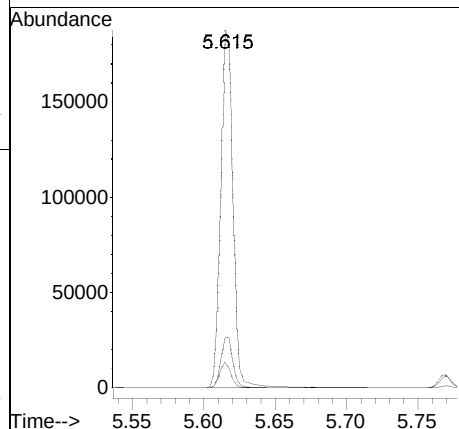
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.0	25.4

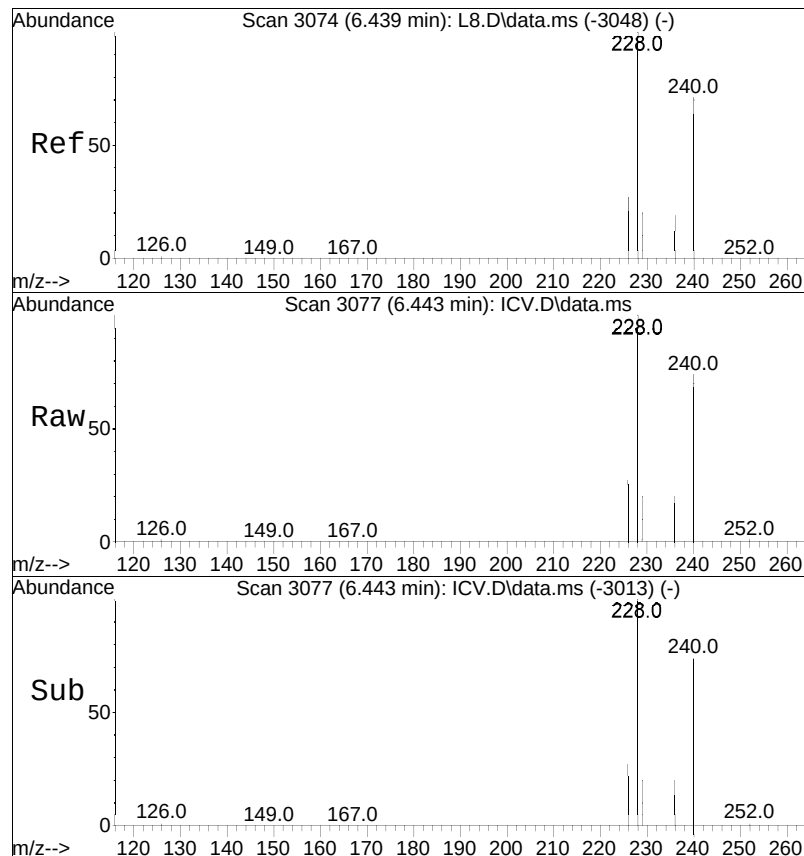




#31
 Benzidine
 Concen: 687.02 ng/mL
 RT: 5.615 min Scan# 2683
 Delta R.T. 0.000 min
 Lab File: ICV.D
 Acq: 25 Jun 2025 10:58 pm

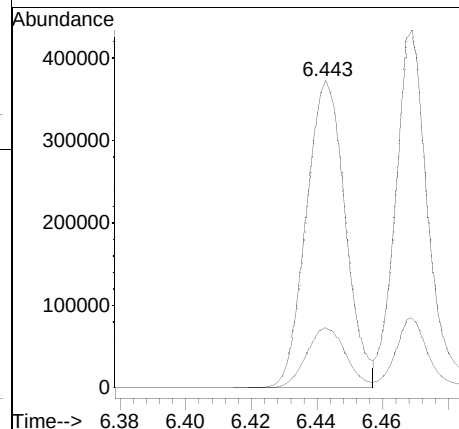
Tgt Ion	Ratio	Resp	Lower	Upper
184	100	109066		
92	6.7		5.2	7.8
185	14.1		11.2	16.8

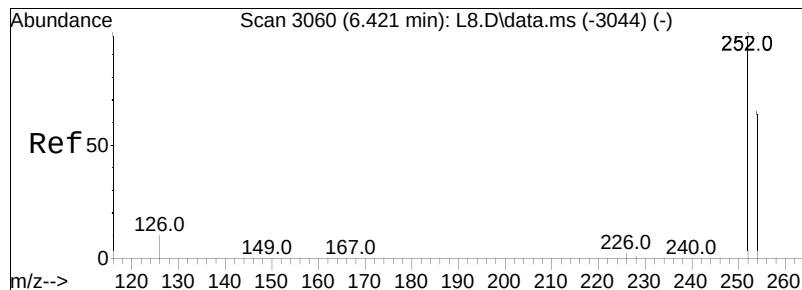




#34
 Benzo[a]anthracene
 Concen: 953.66 ng/ml
 RT: 6.443 min Scan# 3077
 Delta R.T. 0.004 min
 Lab File: ICV.D
 Acq: 25 Jun 2025 10:58 pm

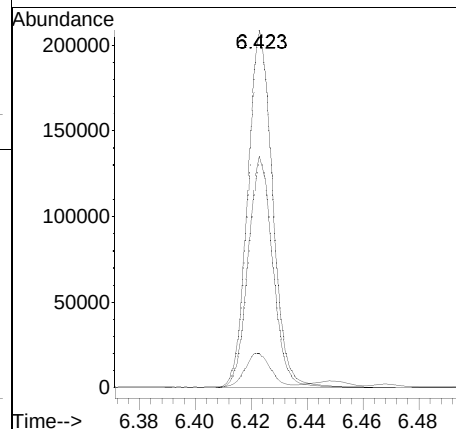
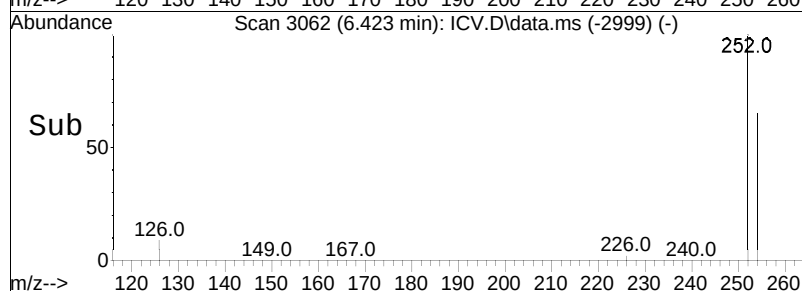
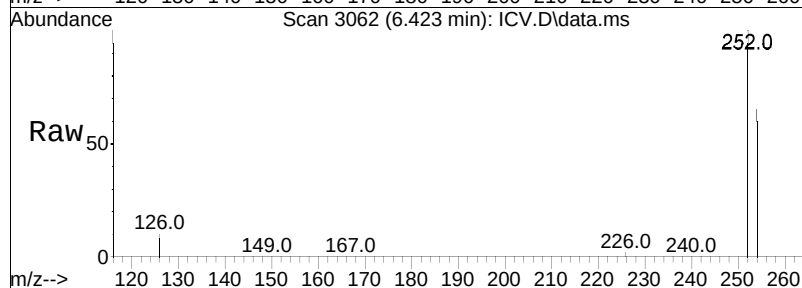
Tgt	Ion	Ratio	Lower	Upper
228	100			
229	19.7	15.8	23.6	

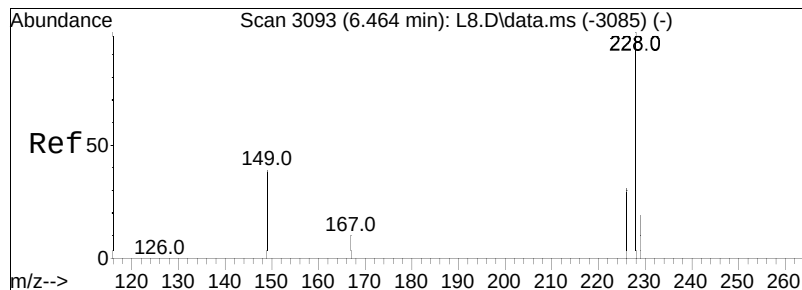




#35
 3,3'-Dichlorobenzidine
 Concen: 1007.24 ng/ml
 RT: 6.423 min Scan# 3062
 Delta R.T. 0.002 min
 Lab File: ICV.D
 Acq: 25 Jun 2025 10:58 pm

Tgt Ion	Ratio	Lower	Upper
252	100		
126	9.7	7.7	11.5
254	64.6	51.8	77.6





#36

Chrysene

Concen: 981.74 ng/ml

RT: 6.469 min Scan# 3097

Delta R.T. 0.005 min

Lab File: ICV.D

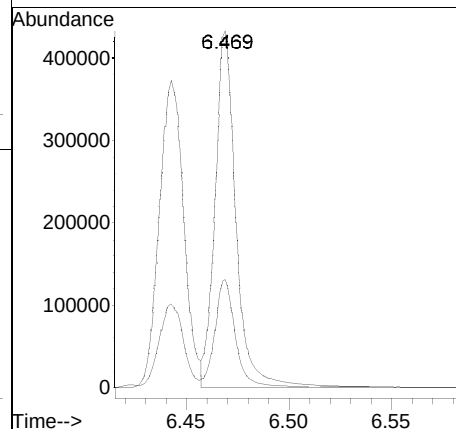
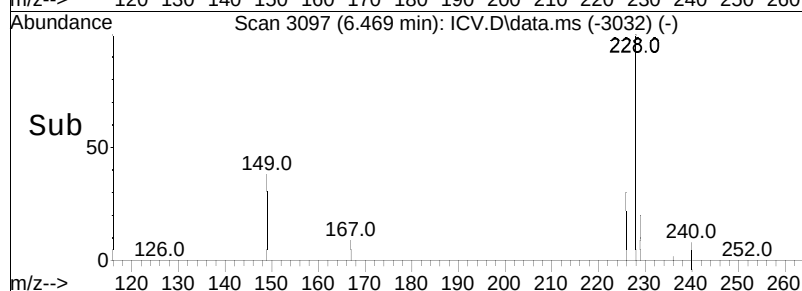
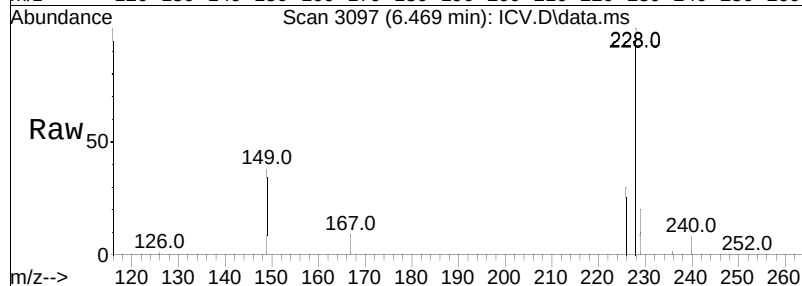
Acq: 25 Jun 2025 10:58 pm

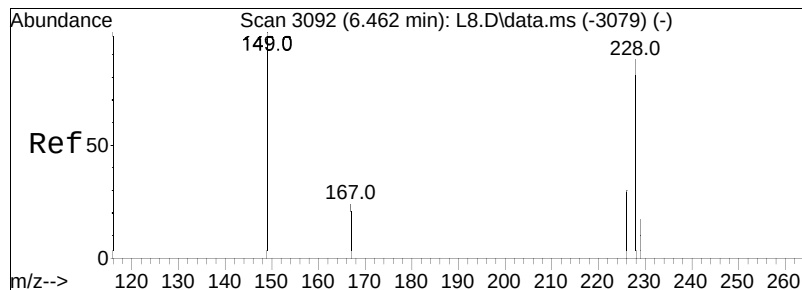
Tgt Ion: 228 Resp: 303757

Ion Ratio Lower Upper

228 100

226 30.6 24.6 37.0





#37

Bis(2-ethylhexyl)phthalate

Concen: 1020.14 ng/ml

RT: 6.465 min Scan# 3094

Delta R.T. 0.003 min

Lab File: ICV.D

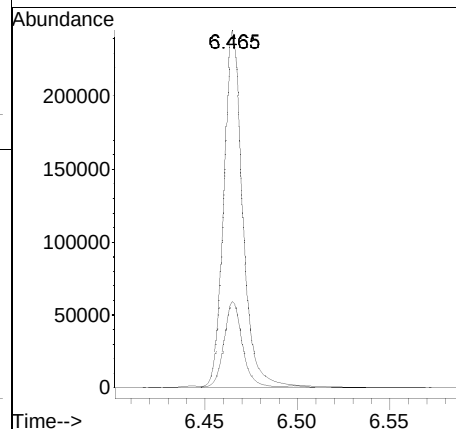
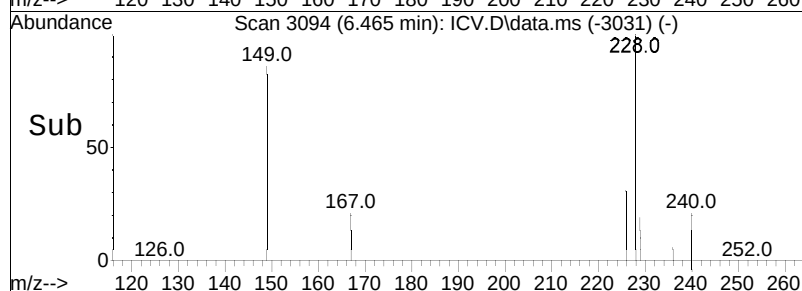
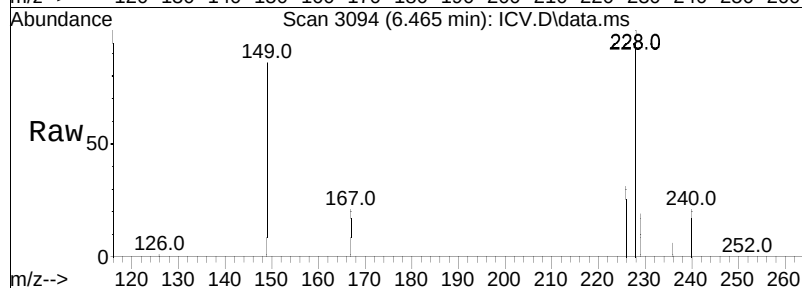
Acq: 25 Jun 2025 10:58 pm

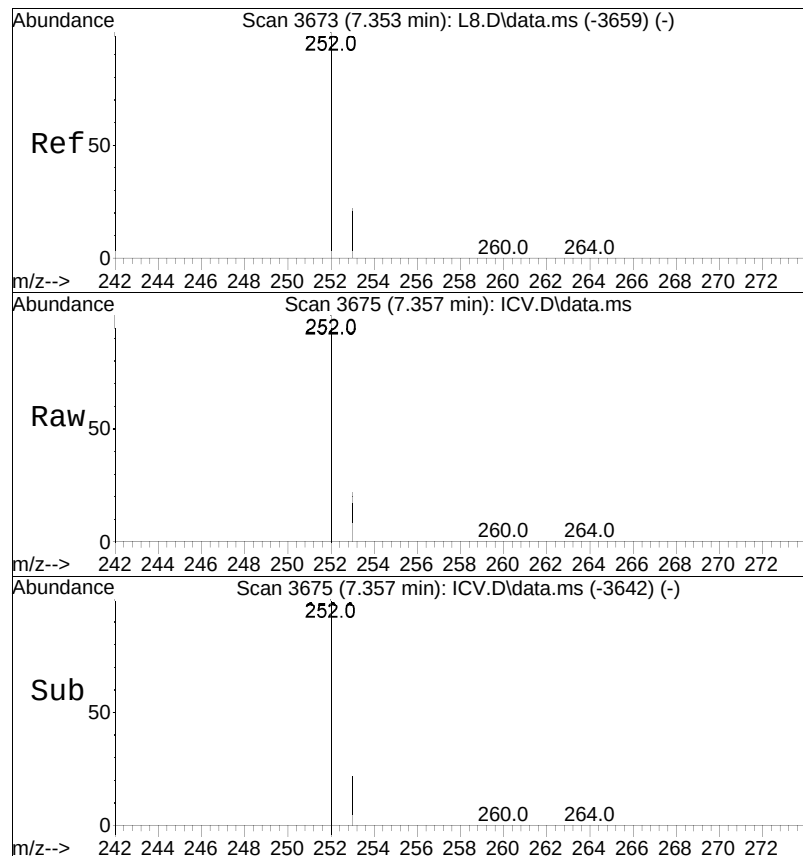
Tgt Ion:149 Resp: 173316

Ion Ratio Lower Upper

149 100

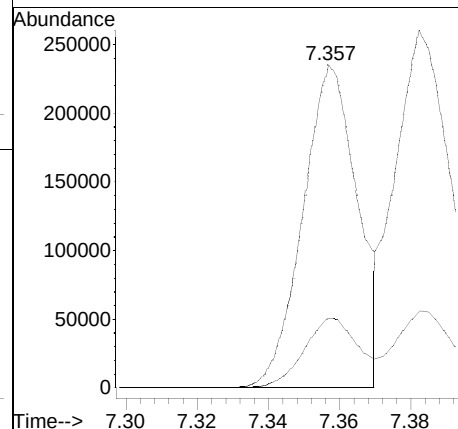
167 23.8 19.6 29.4

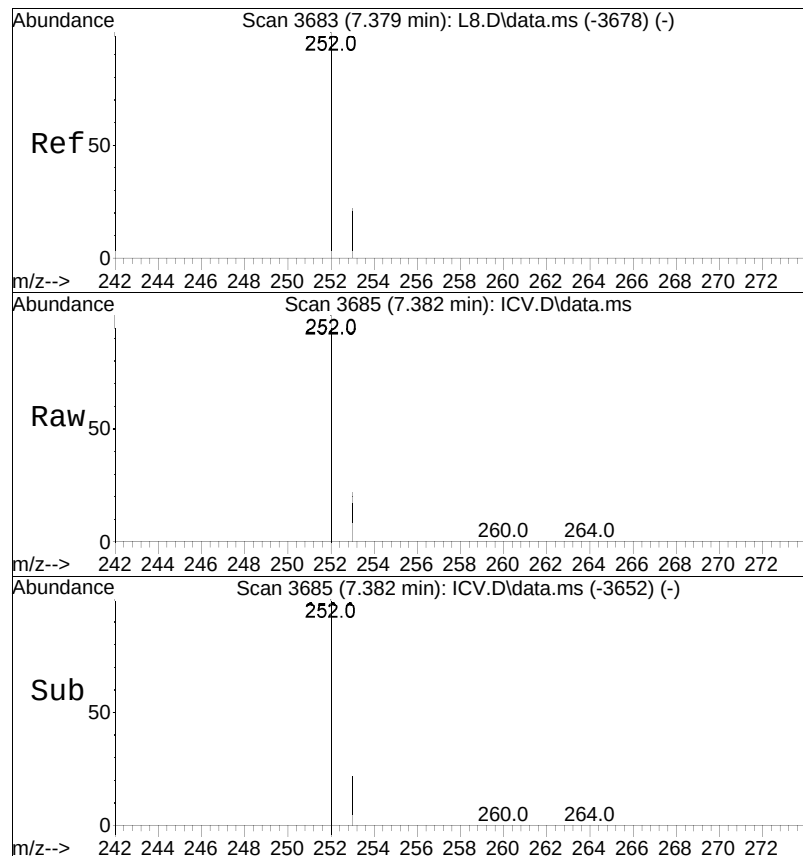




#39
 Benzo[b]fluoranthene
 Concen: 953.93 ng/ml
 RT: 7.357 min Scan# 3675
 Delta R.T. 0.004 min
 Lab File: ICV.D
 Acq: 25 Jun 2025 10:58 pm

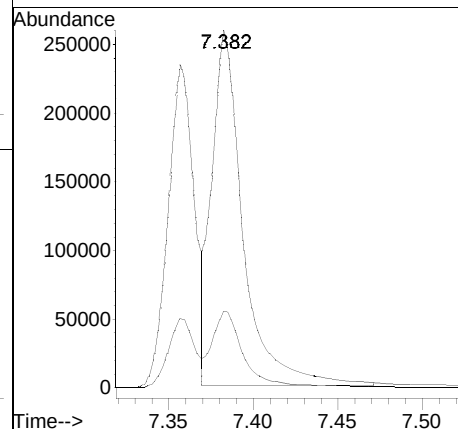
Tgt	Ion	Ratio	Lower	Upper
252	100			
253	21.6	18.1	27.1	

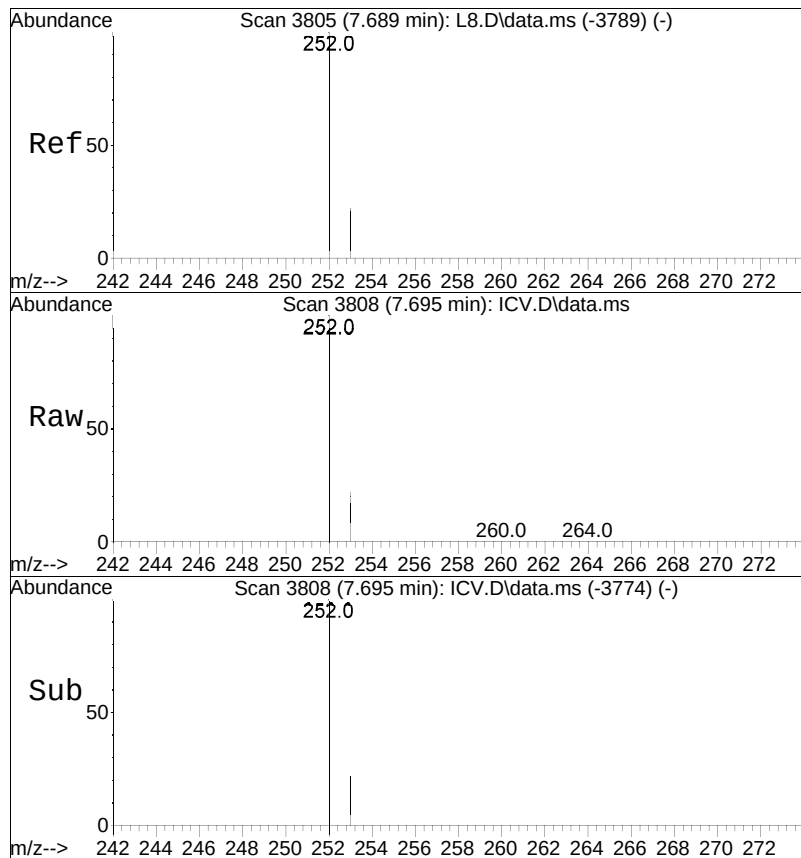




#40
 Benzo[k]fluoranthene
 Concen: 1086.30 ng/ml M1
 RT: 7.382 min Scan# 3685
 Delta R.T. 0.003 min
 Lab File: ICV.D
 Acq: 25 Jun 2025 10:58 pm

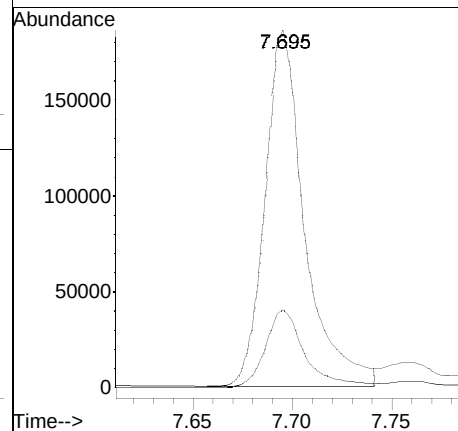
Tgt	Ion	Ratio	Lower	Upper
252	100			
253	21.1	17.0	25.4	

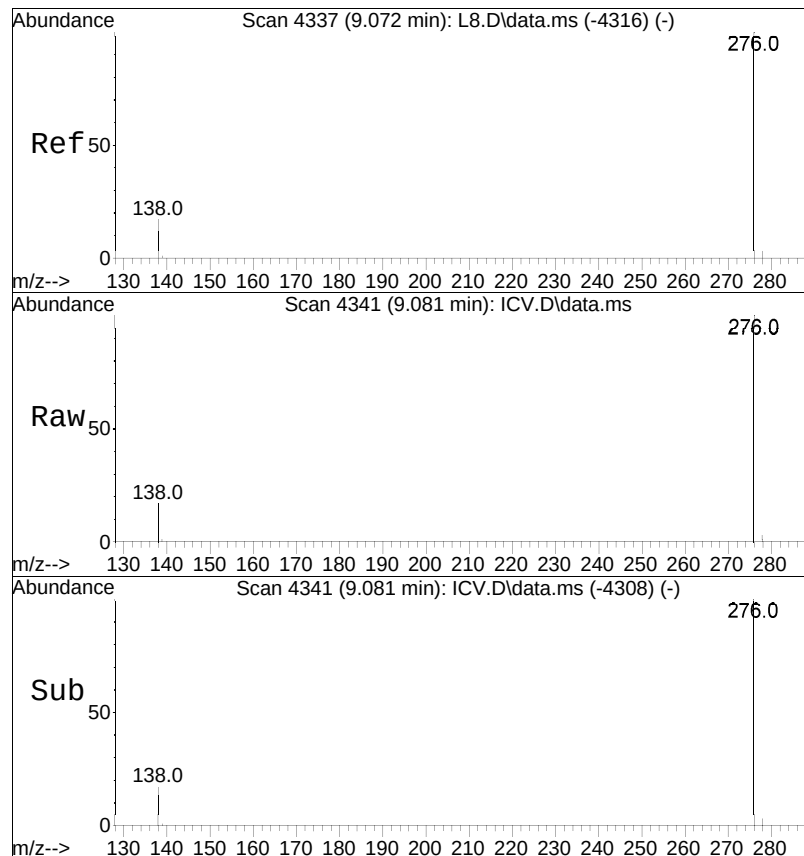




#41
 Benzo[a]pyrene
 Concen: 1021.07 ng/ml
 RT: 7.695 min Scan# 3808
 Delta R.T. 0.006 min
 Lab File: ICV.D
 Acq: 25 Jun 2025 10:58 pm

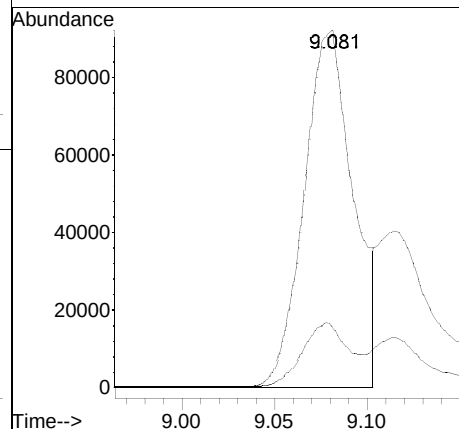
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.8	17.4	26.0

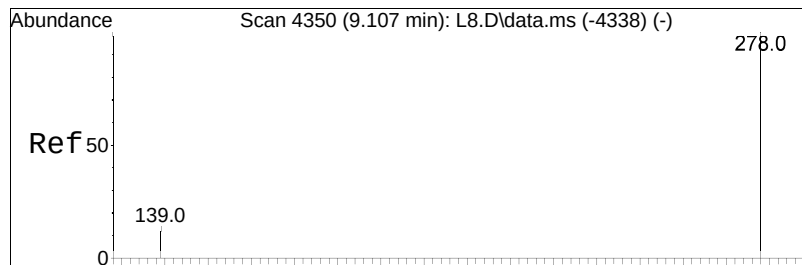




#42
 Indeno[1,2,3-cd]pyrene
 Concen: 763.11 ng/ml
 RT: 9.081 min Scan# 4341
 Delta R.T. 0.009 min
 Lab File: ICV.D
 Acq: 25 Jun 2025 10:58 pm

Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.2	14.4	21.6





#43

Dibenzo[a,h]anthracene

Concen: 830.40 ng/ml M4

RT: 9.117 min Scan# 4354

Delta R.T. 0.010 min

Lab File: ICV.D

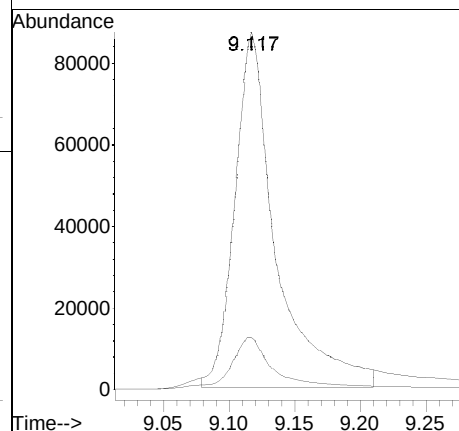
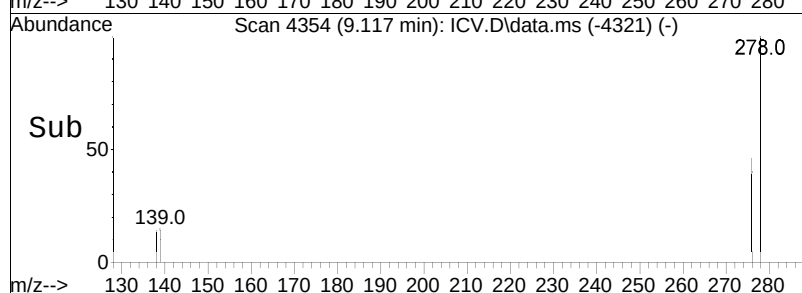
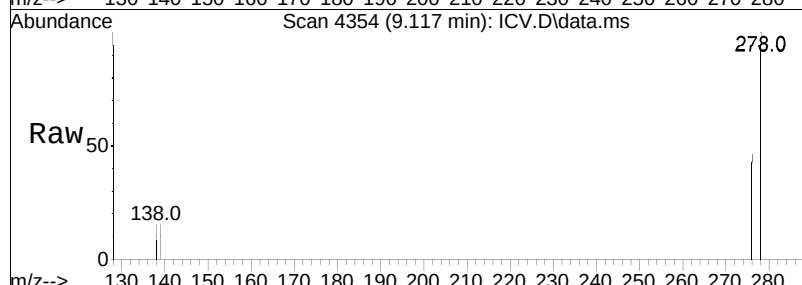
Acq: 25 Jun 2025 10:58 pm

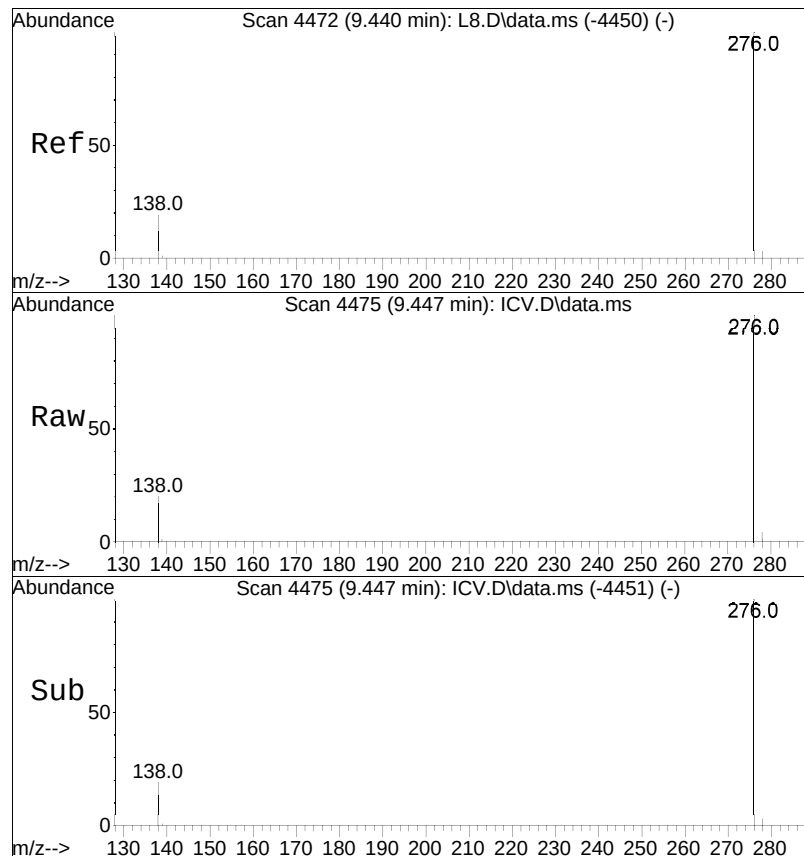
Tgt Ion: 278 Resp: 189715

Ion Ratio Lower Upper

278 100

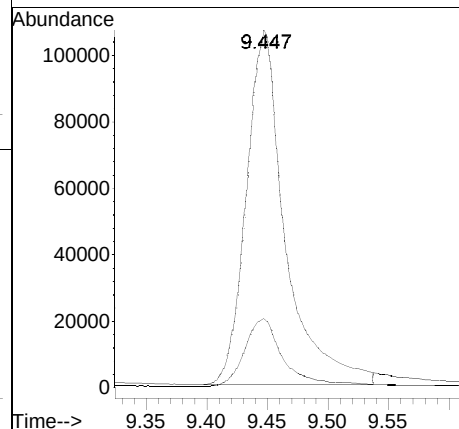
139 14.9 12.1 18.1





#44
 Benzo[g,h,i]perylene
 Concen: 1014.33 ng/ml
 RT: 9.447 min Scan# 4475
 Delta R.T. -0.014 min
 Lab File: ICV.D
 Acq: 25 Jun 2025 10:58 pm

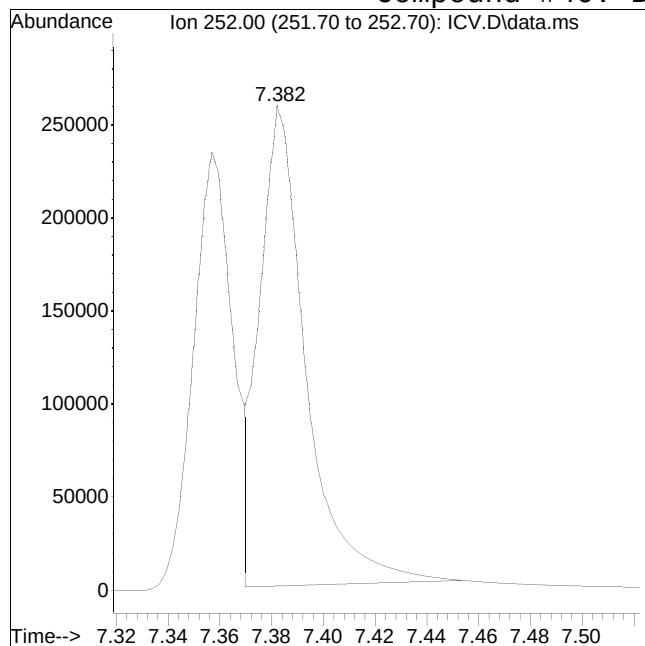
Tgt Ion	Ratio	Lower	Upper
276	100		
138	19.4	16.0	24.0



Manual Integration Report

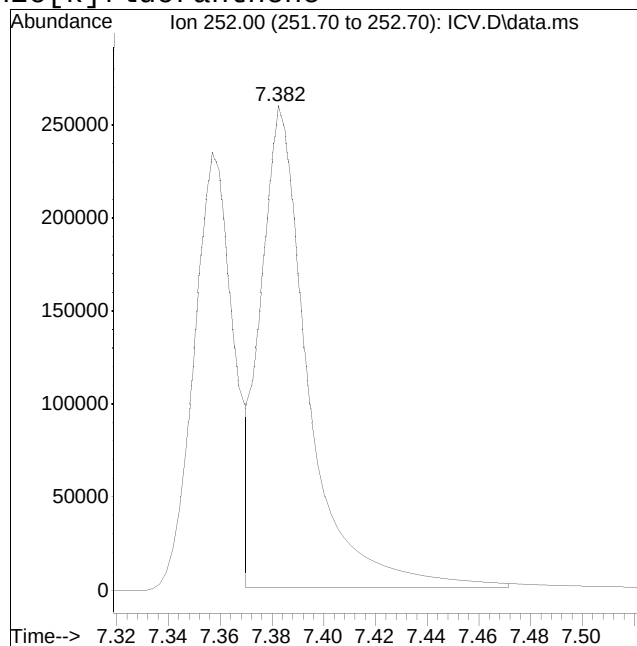
Data Path : I:\8270SIM\sv119\250625RVT\Method : SIM-RVT_250625_sv119.M
Data File : ICV.D Operator : sv119:ljl
Date Inj'd : 6/25/2025 10:58 pm Instrument : SV119
Sample : CQICV1,32,,1 Lot# 11696 Quant Date : 6/27/2025 8:31 am

Compound #40: Benzo[k]fluoranthene



Original Peak Response = 318678

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

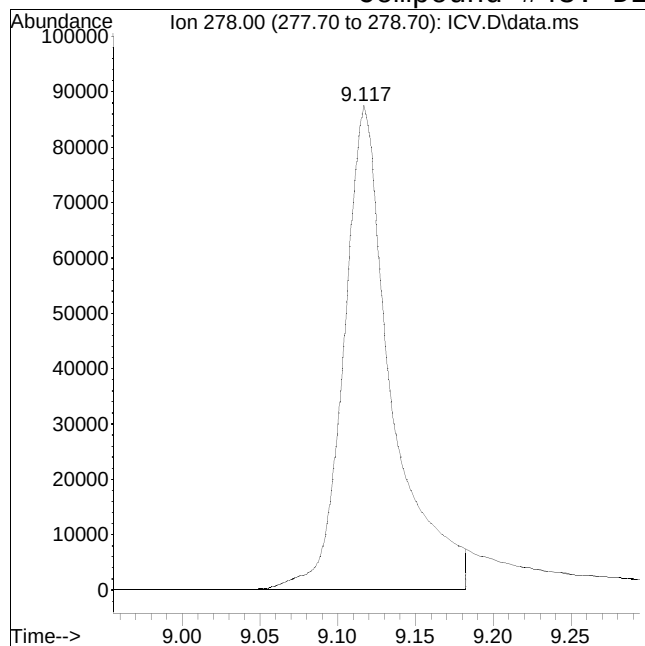


Manual Peak Response = 331327 M1

Manual Integration Report

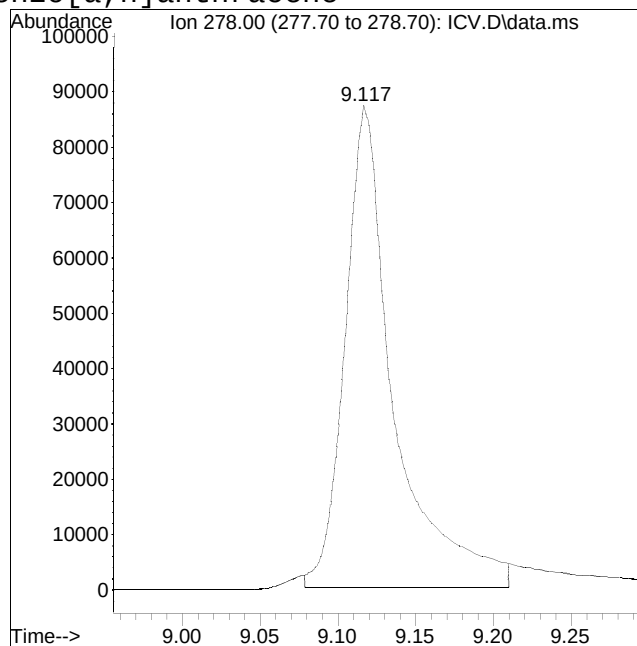
Data Path : I:\8270SIM\sv119\250625RVT_01.M
Data File : ICV.D
Date Inj'd : 6/25/2025 10:58 pm
Sample : CQICV1,32,,1 Lot# 11696
Method : SIM-RVT_250625_sv119.M
Operator : sv119:ljb
Instrument : SV119
Quant Date : 6/27/2025 8:31 am

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 186089

M4 = Poor automated baseline construction.



Manual Peak Response = 189715 M4

Method Path : I:\8270SIM\sv119\250625RVTical\
 Method File : SIM-RVT_250625_sv119.M
 Title : Semivolatiles by GC/MS by modified 8270
 Last Update : Fri Jun 27 08:30:34 2025

COMPOUND		CalFit	Units	TrueMid	MidConc	%RE	TrueLow	LowConc	%RE
24	T 4,6-Dinitro-o-cresol	L	ng/ml	1000.0	911.497	-8.9	40.00	50.270	25.7
26	T Pentachlorophenol	Q	ng/ml	1000.0	955.848	-4.4	10.00	12.398	24.0
31	T Benzidine	L	ng/mL	1000.0	932.924	-6.7	100.00	130.059	30.1
34	T Benzo[a]anthracene	L	ng/ml	1000.0	1004.624	0.5	1.00	1.103	10.3
42	T Indeno[1,2,3-cd]pyrene	Q	ng/ml	1000.0	998.157	-0.2	5.00	6.822	36.4
43	T Dibenzo[a,h]anthracene	Q	ng/ml	1000.0	1002.716	0.3	5.00	7.149	43.0

Calibration Correlation Report

	COMPOUND	CalFit	CoefOfDet	QuadTerm	LinTerm	Constant
24	T 4,6-Dinitro-o-cresol	Linear	0.997512	0.000000	0.103977	-0.000507397
26	T Pentachlorophenol	Quadratic	0.997260	0.041351	0.104474	4.90113e-005
31	T Benzidine	Linear	0.990129	0.000000	0.975119	-0.0311604
34	T Benzo[a]anthracene	Linear	0.999571	0.000000	1.35093	0.00268822
42	T Indeno[1,2,3-cd]pyrene	Quadratic	0.998651	0.178612	0.899958	-0.000734951
43	T Dibenzo[a,h]anthracene	Quadratic	0.998664	0.102143	0.941053	-0.000999099

Continuing Calibration

Calibration Verification Summary

Form 7

Semivolatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM GROUNDWATER EVENT
 Instrument ID : SV119
 Lab File ID : CCV0623A
 Sample No : WG2082224-3
 Channel :

Lab Number : L2538805
 Project Number : 2232.0006Y005
 Calibration Date : 06/23/25 09:12
 Init. Calib. Date(s) : 06/18/25 06/18/25
 Init. Calib. Times : 18:34 21:03

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.05	0	20	79	0
N-Nitrosodimethylamine	0.662	0.707	.05	-6.8	20	86	0
2-Fluorophenol	1.123	1.213	.05	-8	20	86	0
Phenol-d6	1.459	1.497	.05	-2.6	20	84	0
Bis(2-chloroethyl)ether	1.177	1.131	.05	3.9	20	76	0
n-nitrosodi-n-propylamine	0.885	0.844	.05	4.6	20	76	0
Hexachloroethane	0.531	0.492	.05	7.3	20	74	0
Nitrobenzene-d5	1.203	1.123	.05	6.7	20	75	0
Naphthalene-d8	1	1	.05	0	20	79	0
Naphthalene	1.048	0.983	.05	6.2	20	76	0
Hexachlorobutadiene	0.208	0.197	.05	5.3	20	77	0
2-Methylnaphthalene	0.695	0.653	.05	6	20	77	0
1-Methylnaphthalene	0.718	0.669	.05	6.8	20	76	0
2-Fluorobiphenyl	0.905	0.854	.05	5.6	20	77	0
2-Chloronaphthalene	0.779	0.718	.05	7.8	20	74	0
2,6-Dinitrotoluene	0.159	0.123	.05	22.6*	20	61	0
Acenaphthylene	1.296	1.207	.05	6.9	20	74	0
Acenaphthene-d10	1	1	.05	0	20	79	0
Acenaphthene	1.329	1.236	.05	7	20	75	0
2,4-Dinitrotoluene	0.353	0.271	.05	23.2*	20	59	0
Fluorene	1.589	1.485	.05	6.5	20	75	0
2,4,6-Tribromophenol	0.201	0.201	.05	0	20	79	0
Phenanthrene-d10	1	1	.05	0	20	80	0
4,6-Dinitro-o-cresol	1000	633.76	.05	36.6*	20	51	0
Hexachlorobenzene	0.248	0.244	.05	1.6	20	80	0
Pentachlorophenol	1000	711.476	.05	28.9*	20	57	0
Phenanthrene	1.189	1.057	.05	11.1	20	75	0
Anthracene	1.16	1.095	.05	5.6	20	75	0
Fluoranthene	1.446	1.344	.05	7.1	20	76	0
Pyrene	1.492	1.393	.05	6.6	20	77	0
Benzidine	1000	762.729	.05	23.7*	20	55	0
4-Terphenyl-d14	0.899	0.971	.05	-8	20	87	0
Chrysene-d12	1	1	.05	0	20	90	0
Benzo[a]anthracene	1000	902.792	.05	9.7	20	80	0
3,3'-Dichlorobenzidine	0.522	0.532	.05	-1.9	20	86	0
Chrysene	1.315	1.242	.05	5.6	20	84	0
Bis(2-ethylhexyl)phthalate	1000	800.486	.05	20	20	79	0
Perylene-d12	1	1	.05	0	20	97	0
Benzo[b]fluoranthene	1.206	1.1	.05	8.8	20	81	0
Benzo[k]fluoranthene	1.273	1.263	.05	0.8	20	89	0
Benzo[a]pyrene	1.097	1.07	.05	2.5	20	85	0
Indeno[1,2,3-cd]pyrene	1000	711.024	.05	28.9*	20	70	0
Dibenzo[a,h]anthracene	1000	835.379	.05	16.5	20	82	0

* Value outside of QC limits.



Calibration Verification Summary
Form 7
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Instrument ID	: SV119	Calibration Date	: 06/23/25 09:12
Lab File ID	: CCV0623A	Init. Calib. Date(s)	: 06/18/25 06/18/25
Sample No	: WG2082224-3	Init. Calib. Times	: 18:34 21:03
Channel	:		

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Benzo[g,h,i]perylene	1000	872.859	.05	12.7	20	86	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM GROUNDWATER EVENT
 Instrument ID : SV119
 Lab File ID : CCV0626
 Sample No : WG2084091-3
 Channel :

Lab Number : L2538805
 Project Number : 2232.0006Y005
 Calibration Date : 06/26/25 21:31
 Init. Calib. Date(s) : 06/25/25 06/25/25
 Init. Calib. Times : 20:07 22:41

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.05	0	20	129	0
N-Nitrosodimethylamine	0.682	0.656	.05	3.8	20	124	.01
2-Fluorophenol	1.156	1.162	.05	-0.5	20	136	.01
Phenol-d6	1.436	1.493	.05	-4	20	135	0
Bis(2-chloroethyl)ether	1.247	1.118	.05	10.3	20	122	0
n-nitrosodi-n-propylamine	0.929	0.848	.05	8.7	20	118	0
Hexachloroethane	0.514	0.49	.05	4.7	20	124	0
Nitrobenzene-d5	1.315	1.206	.05	8.3	20	121	0
Naphthalene-d8	1	1	.05	0	20	124	0
Naphthalene	1.086	0.99	.05	8.8	20	119	0
Hexachlorobutadiene	0.204	0.193	.05	5.4	20	121	0
2-Methylnaphthalene	0.692	0.643	.05	7.1	20	122	0
1-Methylnaphthalene	0.7	0.659	.05	5.9	20	119	0
2-Fluorobiphenyl	0.896	0.856	.05	4.5	20	120	0
2-Chloronaphthalene	0.753	0.713	.05	5.3	20	118	0
2,6-Dinitrotoluene	0.162	0.154	.05	4.9	20	113	0
Acenaphthylene	1.266	1.188	.05	6.2	20	114	0
Acenaphthene-d10	1	1	.05	0	20	117	0
Acenaphthene	1.324	1.24	.05	6.3	20	113	0
2,4-Dinitrotoluene	0.363	0.371	.05	-2.2	20	114	0
Fluorene	1.596	1.528	.05	4.3	20	114	0
2,4,6-Tribromophenol	0.23	0.257	.05	-11.7	20	128	0
Phenanthrene-d10	1	1	.05	0	20	121	0
4,6-Dinitro-o-cresol	1000	971.286	.05	2.9	20	129	0
Hexachlorobenzene	0.282	0.263	.05	6.7	20	119	0
Pentachlorophenol	1000	1069.979	.05	-7	20	137	0
Phenanthrene	1.21	1.13	.05	6.6	20	118	0
Anthracene	1.222	1.184	.05	3.1	20	117	0
Fluoranthene	1.594	1.596	.05	-0.1	20	121	0
Pyrene	1.677	1.634	.05	2.6	20	117	0
Benzidine	1000	651.241	.05	34.9*	20	79	0
4-Terphenyl-d14	1.106	1.12	.05	-1.3	20	121	0
Chrysene-d12	1	1	.05	0	20	127	0
Benzo[a]anthracene	1000	951.804	.05	4.8	20	120	0
3,3'-Dichlorobenzidine	0.534	0.548	.05	-2.6	20	119	0
Chrysene	1.304	1.274	.05	2.3	20	123	0
Bis(2-ethylhexyl)phthalate	0.716	0.708	.05	1.1	20	121	0
Perylene-d12	1	1	.05	0	20	125	0
Benzo[b]fluoranthene	1.105	1.121	.05	-1.4	20	116	0
Benzo[k]fluoranthene	1.278	1.36	.05	-6.4	20	128	0
Benzo[a]pyrene	1.05	1.092	.05	-4	20	117	0
Indeno[1,2,3-cd]pyrene	1000	825.084	.05	17.5	20	103	0
Dibenzo[a,h]anthracene	1000	871.618	.05	12.8	20	108	0

* Value outside of QC limits.



Calibration Verification Summary
Form 7
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Instrument ID	: SV119	Calibration Date	: 06/26/25 21:31
Lab File ID	: CCV0626	Init. Calib. Date(s)	: 06/25/25 06/25/25
Sample No	: WG2084091-3	Init. Calib. Times	: 20:07 22:41
Channel	:		

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Benzo[g,h,i]perylene	0.975	1.029	.05	-5.5	20	118	-.02

* Value outside of QC limits.



Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\sv119\250623RVT\
 Data File : ccv0623a.D
 Acq On : 23 Jun 2025 09:12 am
 Operator : sv119:slr
 Sample : WG2082224-3,32,,ICV 11696 (0622)
 Misc : WG2082224,,ical22394
 ALS Vial : 49 Sample Multiplier: 1

Quant Time: Jun 23 09:29:55 2025
 Quant Method : I:\8270SIM\sv119\250623RVT\SIM-RVT_250618_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Jun 23 09:30:45 2025
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 i	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	79	0.00
2 T	N-Nitrosodimethylamine	0.662	0.707	-6.8	86	0.00
3 s	2-Fluorophenol	1.123	1.213	-8.0	86	0.00
4 s	Phenol-d6	1.459	1.497	-2.6	84	0.00
5 T	Bis(2-chloroethyl)ether	1.177	1.131	3.9	76	0.00
6 T	n-nitrosodi-n-propylamine	0.885	0.844	4.6	76	0.00
7 t	Hexachloroethane	0.531	0.492	7.3	74	0.00
8 s	Nitrobenzene-d5	1.203	1.123	6.7	75	0.00
9 i	Naphthalene-d8	1.000	1.000	0.0	79	0.00
10 t	Naphthalene	1.048	0.983	6.2	76	0.00
11 t	Hexachlorobutadiene	0.208	0.197	5.3	77	0.00
12 t	2-Methylnaphthalene	0.695	0.653	6.0	77	0.00
13 t	1-Methylnaphthalene	0.718	0.669	6.8	76	0.00
14 s	2-Fluorobiphenyl	0.905	0.854	5.6	77	0.00
15 t	2-Chloronaphthalene	0.779	0.718	7.8	74	0.00
16 t	2,6-Dinitrotoluene	0.159	0.123	22.6#	61	0.00
17 t	Acenaphthylene	1.296	1.207	6.9	74	0.00
18 i	Acenaphthene-d10	1.000	1.000	0.0	79	0.00
19 t	Acenaphthene	1.329	1.236	7.0	75	0.00
20 t	2,4-Dinitrotoluene	0.353	0.271	23.2#	59	0.00
21 t	Fluorene	1.589	1.485	6.5	75	0.00
22 s	2,4,6-Tribromophenol	0.201	0.201	0.0	79	0.00
23 i	Phenanthrene-d10	1.000	1.000	0.0	80	0.00
24 T	4,6-Dinitro-o-cresol	*1000.000	633.760	36.6#	51	0.00
25 t	Hexachlorobenzene	0.248	0.244	1.6	80	0.00
26 t	Pentachlorophenol	*1000.000	711.476	28.9#	57	0.00
27 t	Phenanthrene	1.189	1.057	11.1	75	0.00
28 t	Anthracene	1.160	1.095	5.6	75	0.00
29 t	Fluoranthene	1.446	1.344	7.1	76	0.00
30 t	Pyrene	1.492	1.393	6.6	77	0.00
31 T	Benzidine	*1000.000	762.729	23.7#	55	0.00
32 s	4-Terphenyl-d14	0.899	0.971	-8.0	87	0.00
33 i	Chrysene-d12	1.000	1.000	0.0	90	0.00
34 t	Benzo[a]anthracene	*1000.000	902.792	9.7	80	0.00
35 t	3,3'-Dichlorobenzidine	0.522	0.532	-1.9	86	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\sv119\250623RVT\
 Data File : ccv0623a.D
 Acq On : 23 Jun 2025 09:12 am
 Operator : sv119:slr
 Sample : WG2082224-3,32,,ICV 11696 (0622)
 Misc : WG2082224,,ical22394
 ALS Vial : 49 Sample Multiplier: 1

Quant Time: Jun 23 09:29:55 2025
 Quant Method : I:\8270SIM\sv119\250623RVT\SIM-RVT_250618_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Jun 23 09:30:45 2025
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
36 t	Chrysene	1.315	1.242	5.6	84	0.00
37 T	Bis(2-ethylhexyl)phthalate	*1000.000	800.486	20.0	79	0.00
38 i	Perylene-d12	1.000	1.000	0.0	97	0.00
39 t	Benzo[b]fluoranthene	1.206	1.100	8.8	81	0.00
40 t	Benzo[k]fluoranthene	1.273	1.263	0.8	89	0.00
41 t	Benzo[a]pyrene	1.097	1.070	2.5	85	0.00
42 t	Indeno[1,2,3-cd]pyrene	*1000.000	711.024	28.9#	70	0.00
43 t	Dibenzo[a,h]anthracene	*1000.000	835.379	16.5	82	0.00
44 t	Benzo[g,h,i]perylene	*1000.000	872.859	12.7	86	0.00

* Evaluation of CC level amount vs concentration.
 (#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250623RVT\
 Data File : ccv0623a.D
 Acq On : 23 Jun 2025 09:12 am
 Operator : sv119:slr
 Sample : WG2082224-3,32,,ICV 11696 (0622)
 Misc : WG2082224,,ical22394
 ALS Vial : 49 Sample Multiplier: 1

Quant Time: Jun 23 09:29:55 2025
 Quant Method : I:\8270SIM\sv119\250623RVT\SIM-RVT_250618_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Jun 23 09:30:45 2025
 Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.306	152	223163	4000.000	ng/ml	0.00
9) Naphthalene-d8	2.964	136	839534	4000.000	ng/ml	0.00
18) Acenaphthene-d10	3.944	164	501334	4000.000	ng/ml	0.00
23) Phenanthrene-d10	4.794	188	1091615	4000.000	ng/ml	0.00
33) Chrysene-d12	6.452	240	1163786	4000.000	ng/ml	0.00
38) Perylene-d12	7.743	264	1221164	4000.000	ng/ml	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	1.718	112	67668	1079.620	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery =	53.98%		
4) Phenol-d6	2.115	99	83542	1026.565	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery =	51.33%		
8) Nitrobenzene-d5	2.583	82	62633	932.975	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery =	93.30%		
14) 2-Fluorobiphenyl	3.561	172	179258	943.740	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery =	94.37%		
22) 2,4,6-Tribromophenol	4.392	330	25202	1002.090	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery =	50.10%		
32) 4-Terphenyl-d14	5.757	244	265006	1079.737	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery =	107.97%		
Target Compounds						
					Qvalue	
2) N-Nitrosodimethylamine	1.282	74	39467	1069.085	ng/mL#	52
5) Bis(2-chloroethyl)ether	2.169	93	63124	961.161	ng/ml	100
6) n-nitrosodi-n-propylamine	2.502	70	47095	953.849	ng/ml	100
7) Hexachloroethane	2.563	117	27439	926.345	ng/ml	97
10) Naphthalene	2.976	128	206312	937.930	ng/ml	100
11) Hexachlorobutadiene	3.048	225	41421	951.037	ng/ml	100
12) 2-Methylnaphthalene	3.357	142	137039	939.536	ng/ml	100
13) 1-Methylnaphthalene	3.411	142	140321	930.585	ng/ml	100
15) 2-Chloronaphthalene	3.628	162	150628	920.835	ng/ml	99
16) 2,6-Dinitrotoluene	3.820	165	25729	773.307	ng/ml	99
17) Acenaphthylene	3.862	152	253397	931.908	ng/ml	100
19) Acenaphthene	3.961	153	154945	930.475	ng/ml	98
20) 2,4-Dinitrotoluene	4.049	165	33910	767.396	ng/ml	96
21) Fluorene	4.255	166	186106	934.196	ng/ml	100
24) 4,6-Dinitro-o-cresol	4.281	198	14983	633.760	ng/ml	99
25) Hexachlorobenzene	4.574	284	66528	984.664	ng/ml	94
26) Pentachlorophenol	4.687	266	21435	711.476	ng/ml	99
27) Phenanthrene	4.807	178	288379	888.953	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250623RVT\
 Data File : ccv0623a.D
 Acq On : 23 Jun 2025 09:12 am
 Operator : sv119:slr
 Sample : WG2082224-3,32,,ICV 11696 (0622)
 Misc : WG2082224,,ical22394
 ALS Vial : 49 Sample Multiplier: 1

Quant Time: Jun 23 09:29:55 2025
 Quant Method : I:\8270SIM\sv119\250623RVT\SIM-RVT_250618_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Jun 23 09:30:45 2025
 Response via : Initial Calibration

Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
28)	Anthracene	4.836	178	298848	944.284	ng/ml	100
29)	Fluoranthene	5.516	202	366909M3	929.888	ng/ml	
30)	Pyrene	5.657	202	380229	933.945	ng/ml	100
31)	Benizidine	5.600	184	116830	762.729	ng/mL	100
34)	Benzo[a]anthracene	6.442	228	370487	902.792	ng/ml	100
35)	3,3'-Dichlorobenzidine	6.428	252	154772	1018.459	ng/ml	100
36)	Chrysene	6.469	228	361435	944.688	ng/ml	97
37)	Bis(2-ethylhexyl)phtha...	6.479	149	178282	800.486	ng/ml	99
39)	Benzo[b]fluoranthene	7.347	252	335781	912.356	ng/ml	98
40)	Benzo[k]fluoranthene	7.372	252	385717	992.389	ng/ml	98
41)	Benzo[a]pyrene	7.675	252	326701	975.417	ng/ml	100
42)	Indeno[1,2,3-cd]pyrene	9.028	276	248498	711.024	ng/ml	95
43)	Dibenzo[a,h]anthracene	9.069	278	279145M6	835.379	ng/ml	
44)	Benzo[g,h,i]perylene	9.387	276	313145	872.859	ng/ml	96

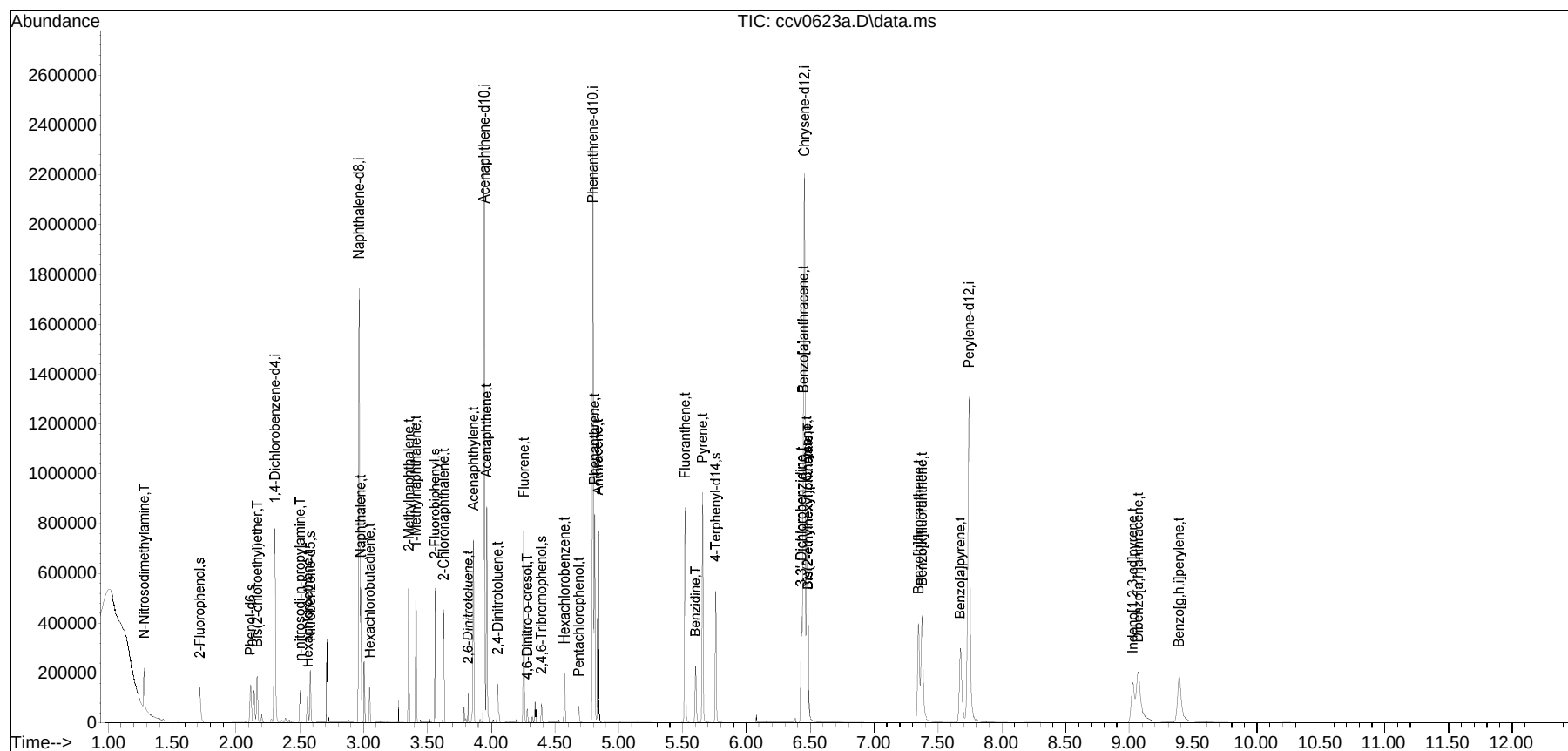
(#) = qualifier out of range (m) = manual integration (+) = signals summed

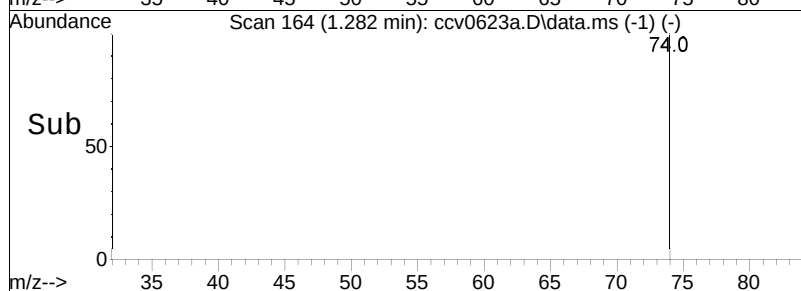
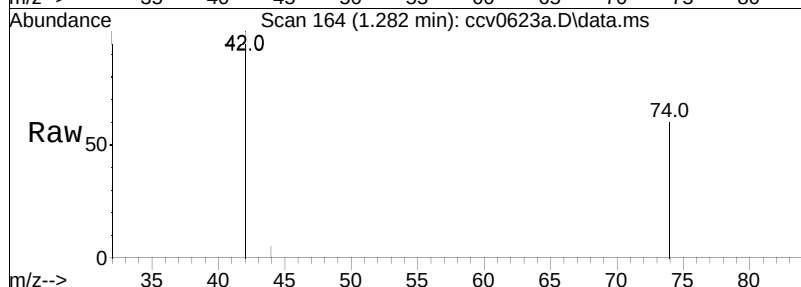
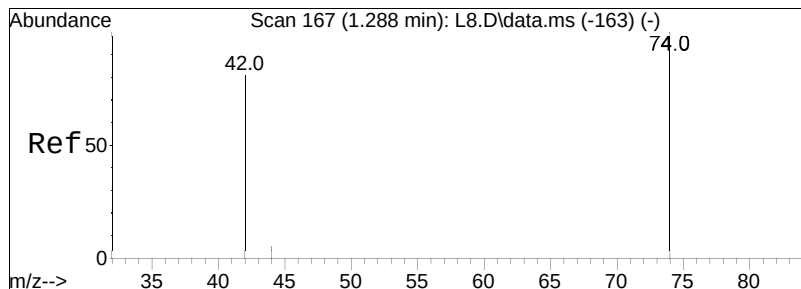
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250623RVT\
 Data File : ccv0623a.D
 Acq On : 23 Jun 2025 09:12 am
 Operator : sv119:slr
 Sample : WG2082224-3,32,,ICV 11696 (0622)
 Misc : WG2082224,,ical22394
 ALS Vial : 49 Sample Multiplier: 1

Quant Time: Jun 23 09:29:55 2025
 Quant Method : I:\8270SIM\sv119\250623RVT\SIM-RVT_250618_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Jun 23 09:30:45 2025
 Response via : Initial Calibration

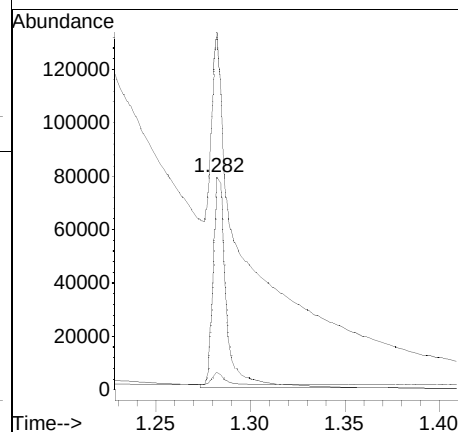
Sub List : Default - All compounds listed

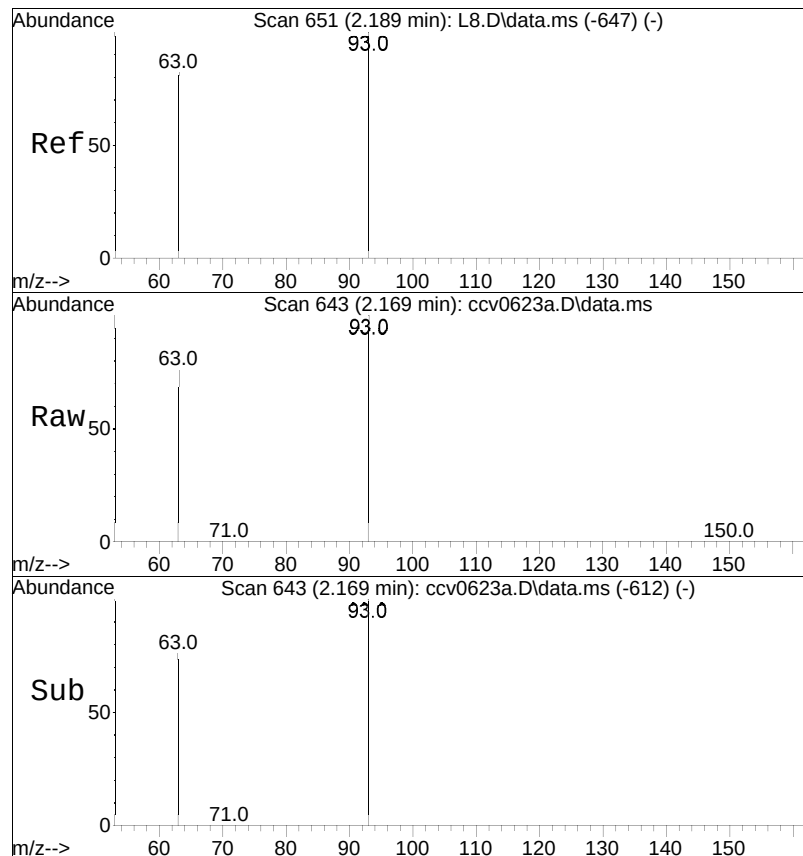




#2
 N-Nitrosodimethylamine
 Concen: 1069.09 ng/mL
 RT: 1.282 min Scan# 164
 Delta R.T. 0.000 min
 Lab File: ccv0623a.D
 Acq: 23 Jun 2025 09:12 am

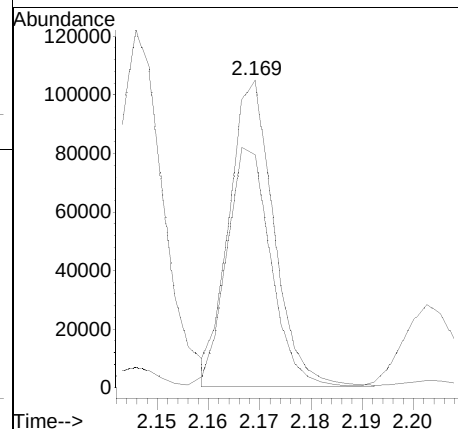
Tgt Ion: 74 Resp: 39467
 Ion Ratio Lower Upper
 74 100
 42 474.6 293.4 440.0#
 44 5.2 4.3 6.5

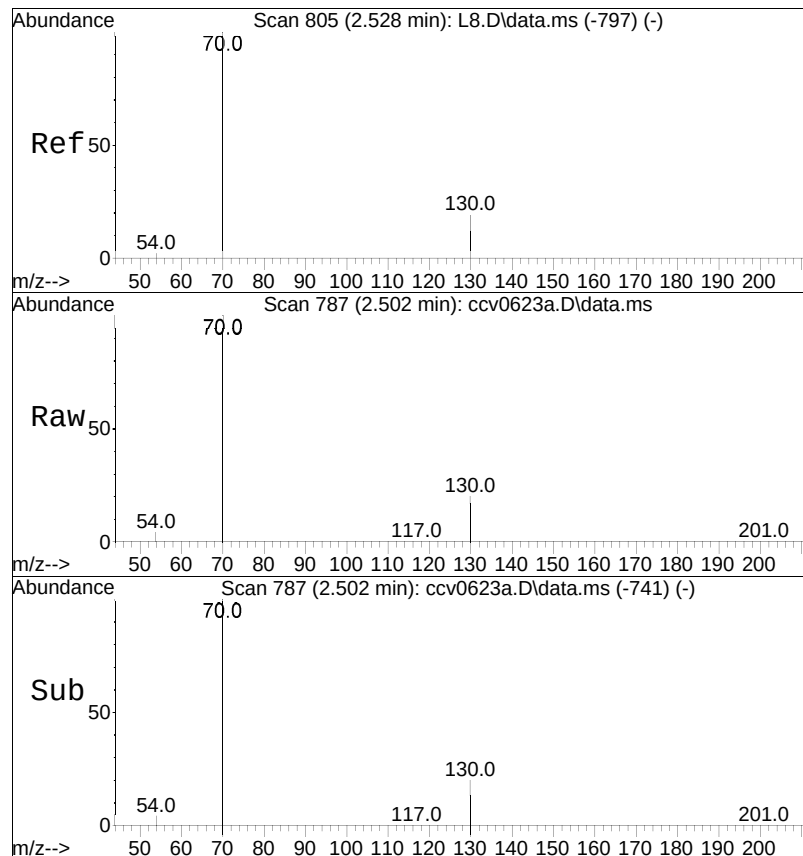




#5
 Bis(2-chloroethyl)ether
 Concen: 961.16 ng/ml
 RT: 2.169 min Scan# 643
 Delta R.T. 0.000 min
 Lab File: ccv0623a.D
 Acq: 23 Jun 2025 09:12 am

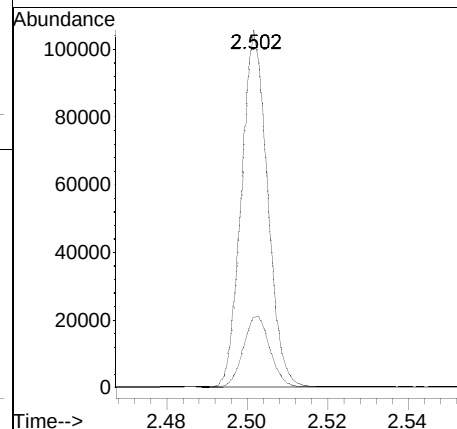
Tgt Ion	Ratio	Lower	Upper
93	100		
63	78.4	62.9	94.3

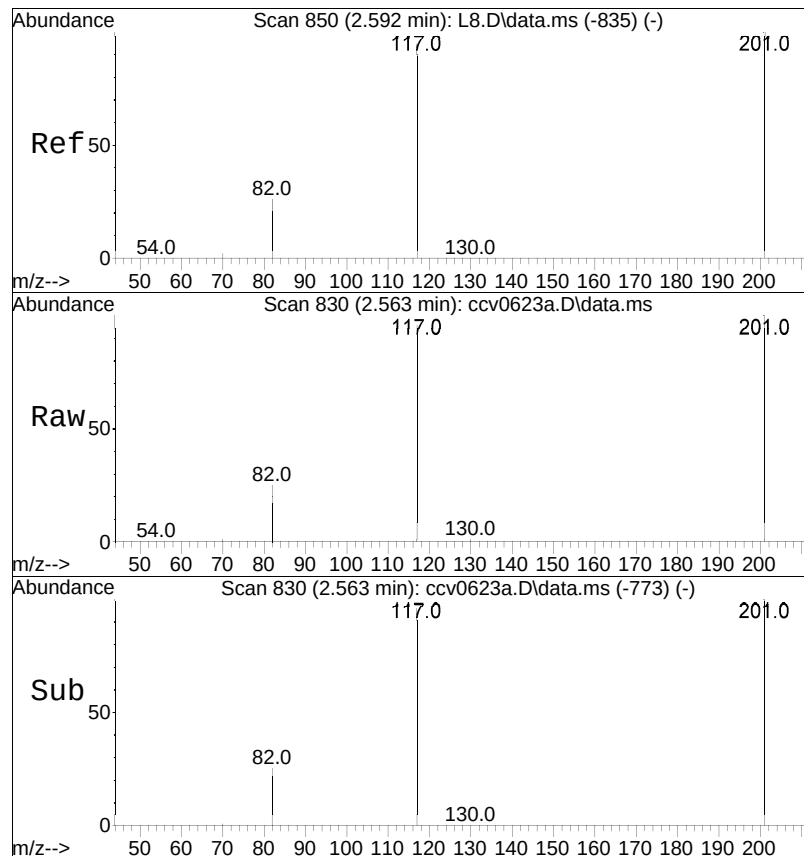




#6
 n-nitrosodi-n-propylamine
 Concen: 953.85 ng/ml
 RT: 2.502 min Scan# 787
 Delta R.T. 0.000 min
 Lab File: ccv0623a.D
 Acq: 23 Jun 2025 09:12 am

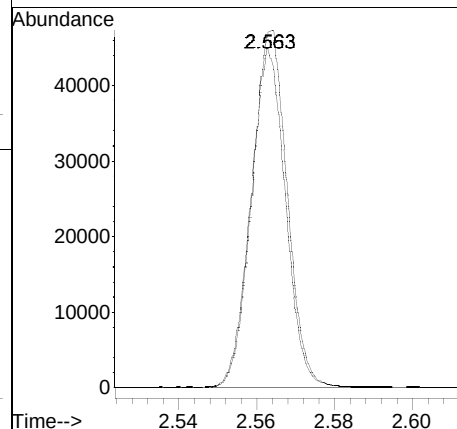
Tgt Ion	Ratio	Lower	Upper
70	100		
130	20.4	16.4	24.6

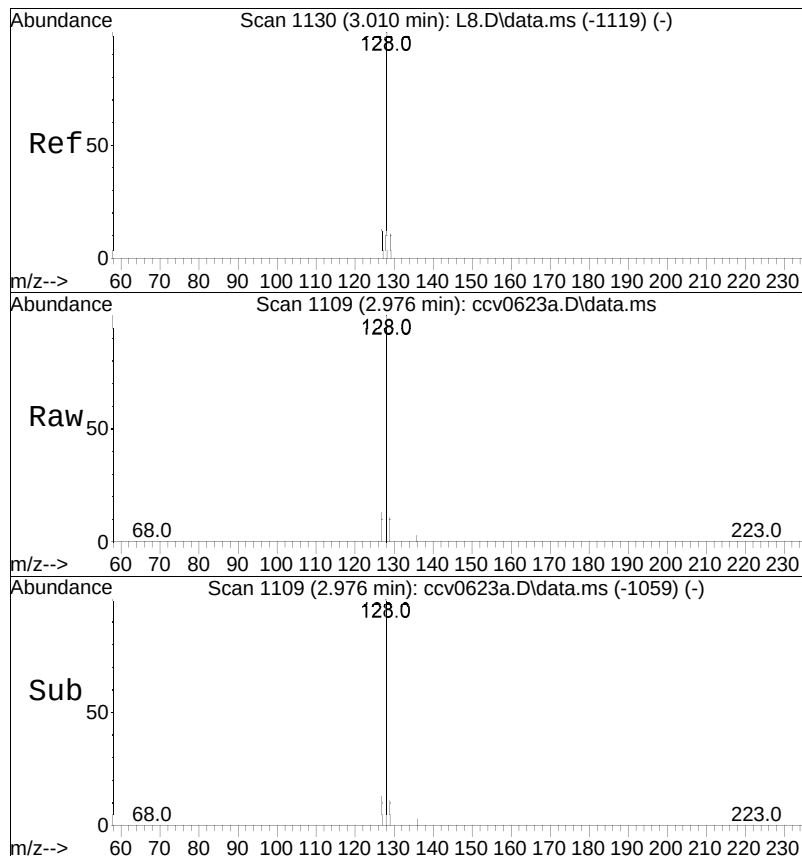




#7
 Hexachloroethane
 Concen: 926.34 ng/ml
 RT: 2.563 min Scan# 830
 Delta R.T. 0.000 min
 Lab File: ccv0623a.D
 Acq: 23 Jun 2025 09:12 am

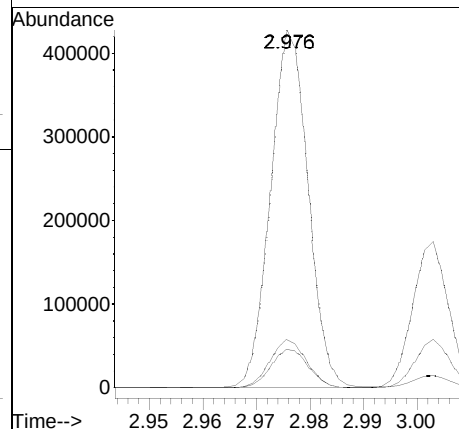
Tgt Ion	Ratio	Lower	Upper
117	100		
201	106.5	82.9	124.3

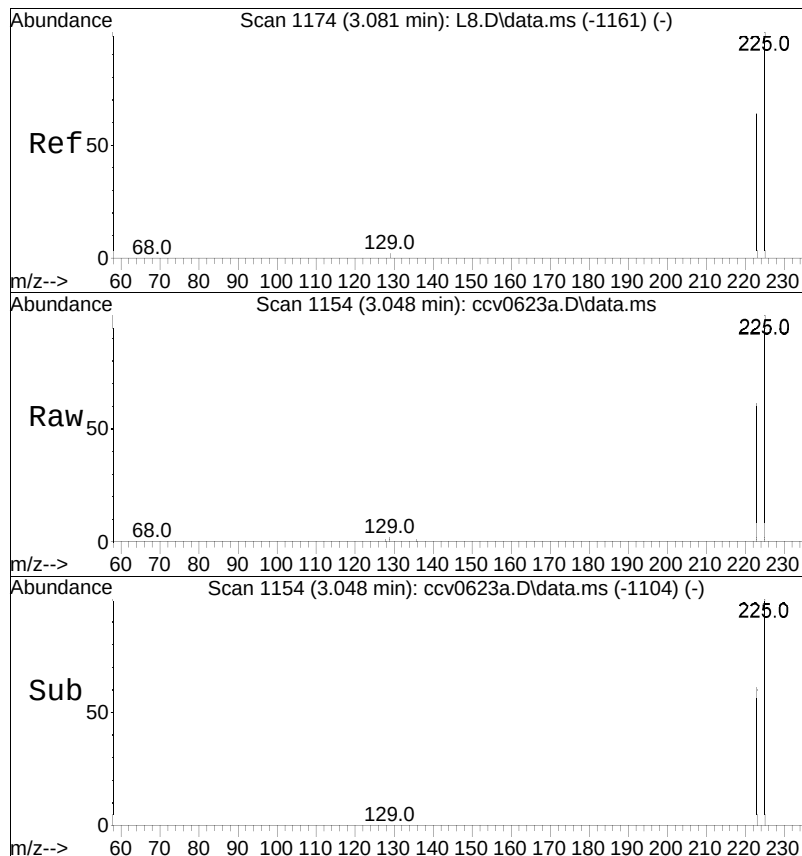




#10
 Naphthalene
 Concen: 937.93 ng/ml
 RT: 2.976 min Scan# 1109
 Delta R.T. 0.000 min
 Lab File: ccv0623a.D
 Acq: 23 Jun 2025 09:12 am

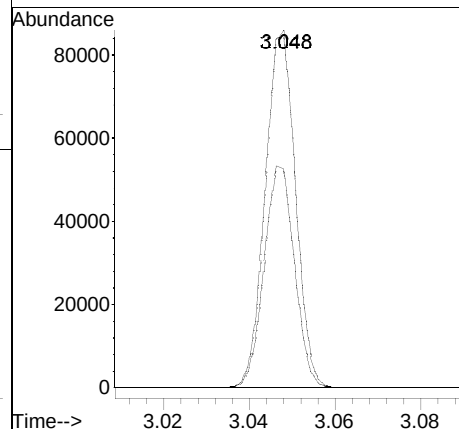
Tgt Ion	Ratio	Resp	Lower	Upper
128	100	206312		
129	11.0		8.8	13.2
127	13.3		10.6	15.8

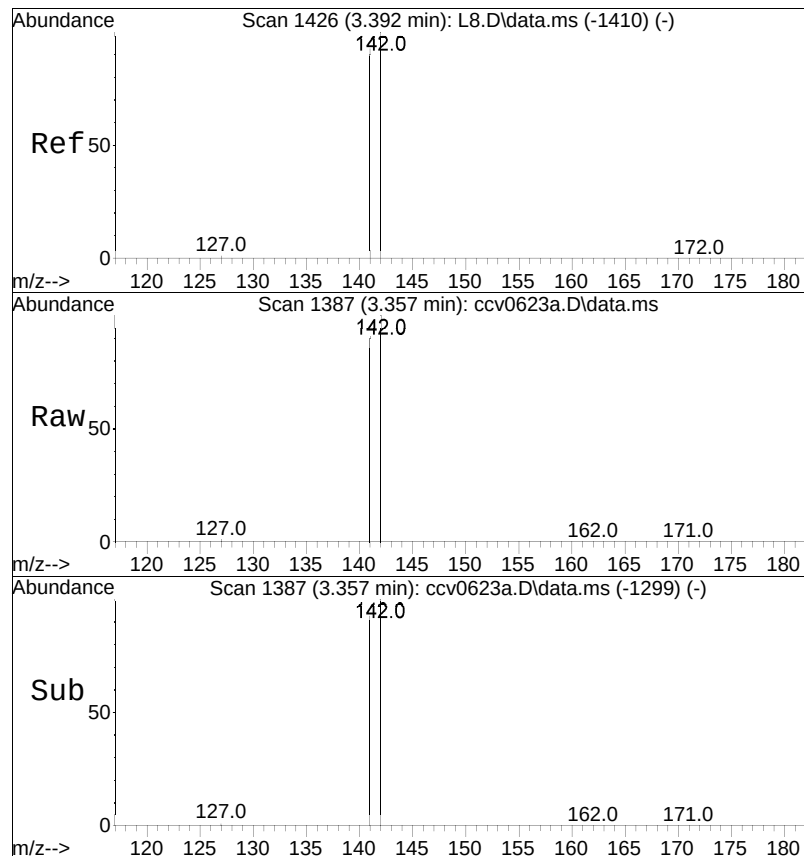




#11
 Hexachlorobutadiene
 Concen: 951.04 ng/ml
 RT: 3.048 min Scan# 1154
 Delta R.T. 0.000 min
 Lab File: ccv0623a.D
 Acq: 23 Jun 2025 09:12 am

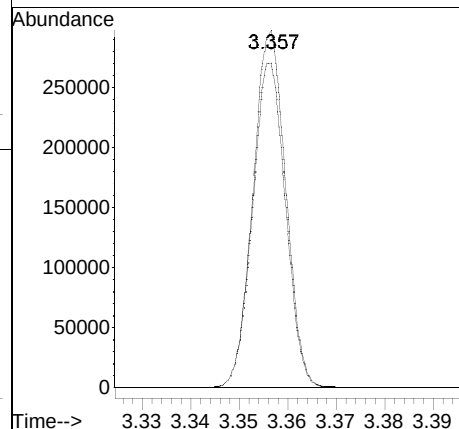
Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.5	50.2	75.4

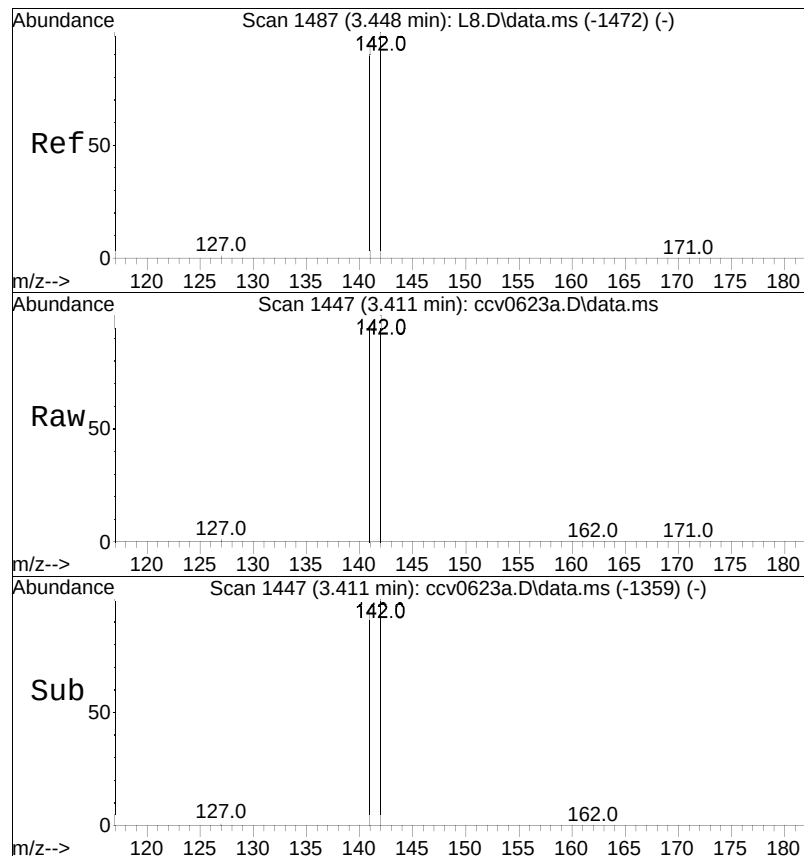




#12
 2-Methylnaphthalene
 Concen: 939.54 ng/ml
 RT: 3.357 min Scan# 1387
 Delta R.T. 0.000 min
 Lab File: ccv0623a.D
 Acq: 23 Jun 2025 09:12 am

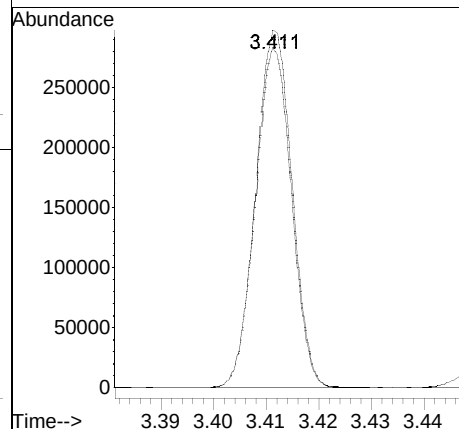
Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.8	73.6	110.4

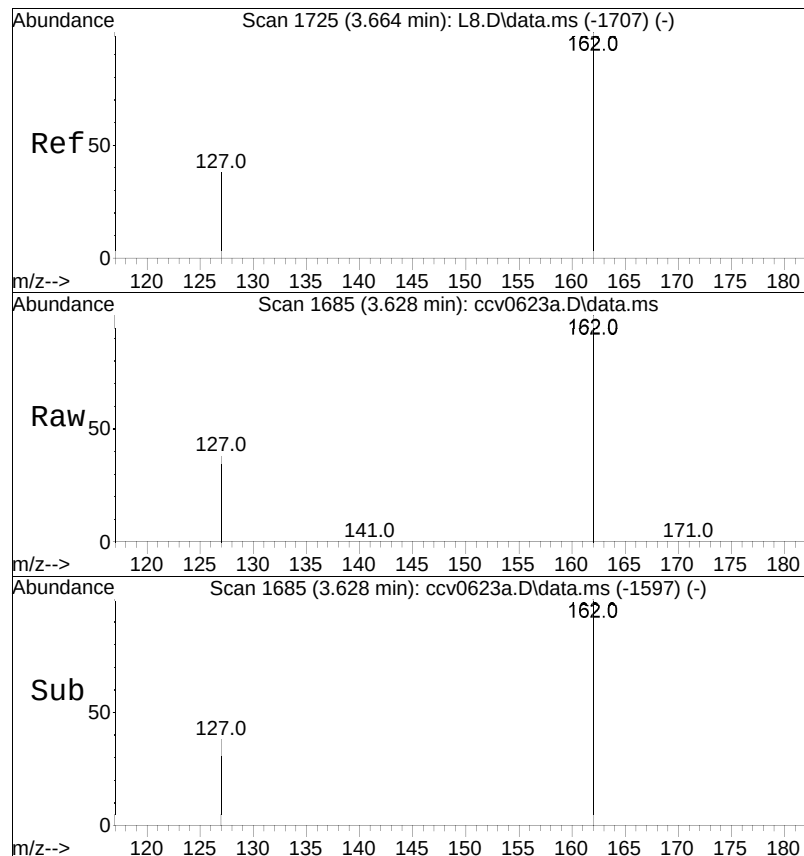




#13
 1-Methylnaphthalene
 Concen: 930.59 ng/ml
 RT: 3.411 min Scan# 1447
 Delta R.T. 0.000 min
 Lab File: ccv0623a.D
 Acq: 23 Jun 2025 09:12 am

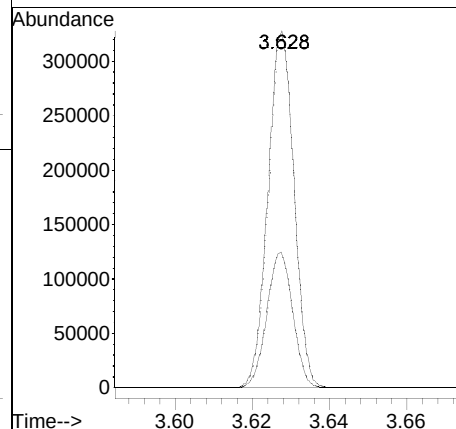
Tgt Ion	Ratio	Lower	Upper
142	100		
141	94.6	76.0	114.0

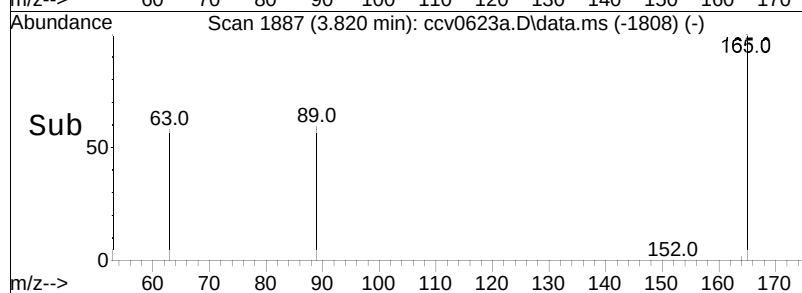
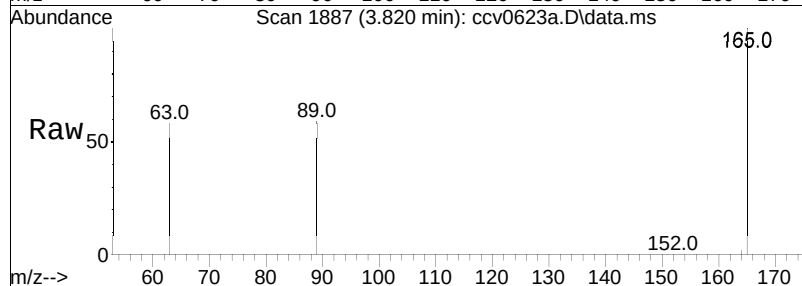
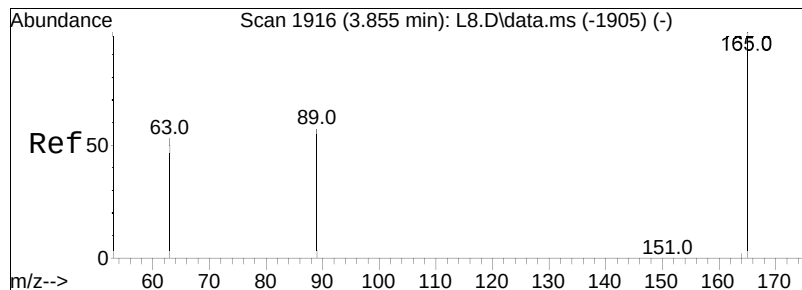




#15
 2-Chloronaphthalene
 Concen: 920.83 ng/ml
 RT: 3.628 min Scan# 1685
 Delta R.T. 0.000 min
 Lab File: ccv0623a.D
 Acq: 23 Jun 2025 09:12 am

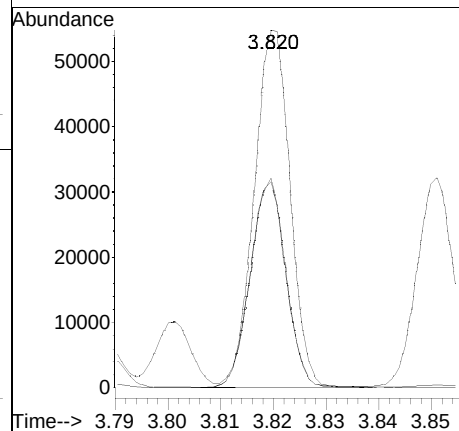
Tgt Ion	Ratio	Lower	Upper
162	100		
127	38.0	29.8	44.8

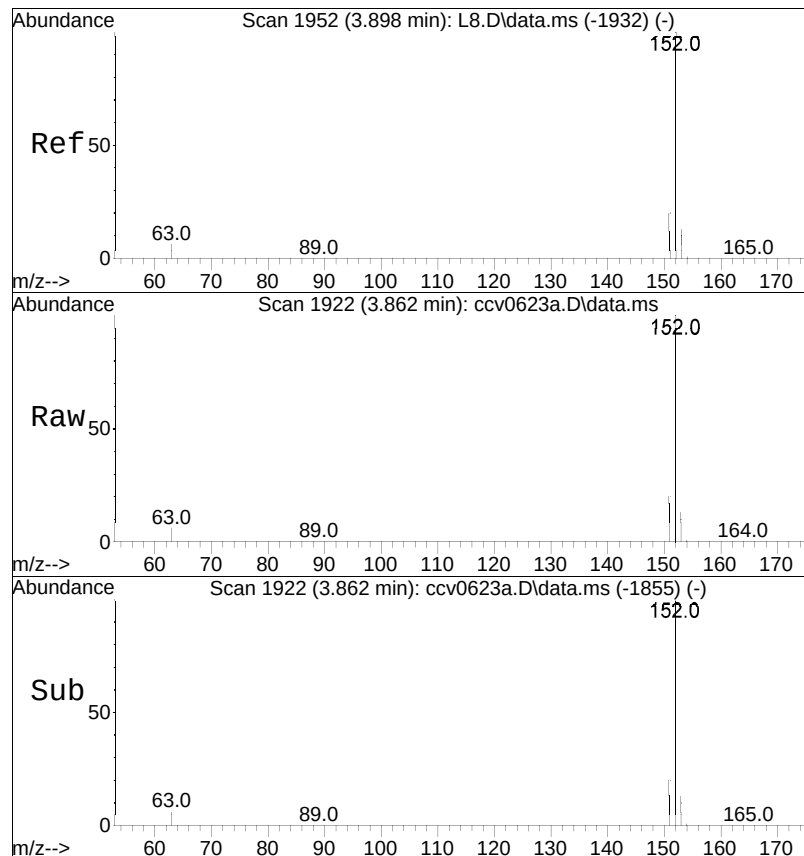




#16
 2,6-Dinitrotoluene
 Concen: 773.31 ng/ml
 RT: 3.820 min Scan# 1887
 Delta R.T. 0.000 min
 Lab File: ccv0623a.D
 Acq: 23 Jun 2025 09:12 am

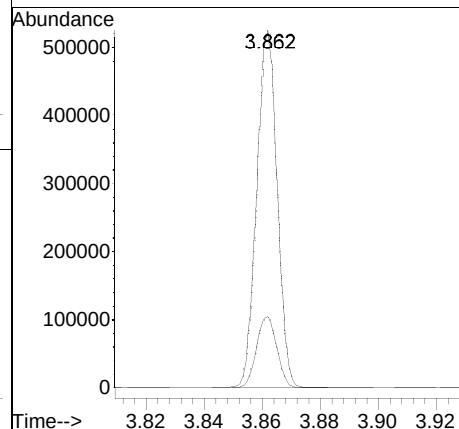
Tgt Ion	Ratio	Resp	Lower	Upper
165	100	25729		
89	57.3		45.6	68.4
63	57.7		45.4	68.2

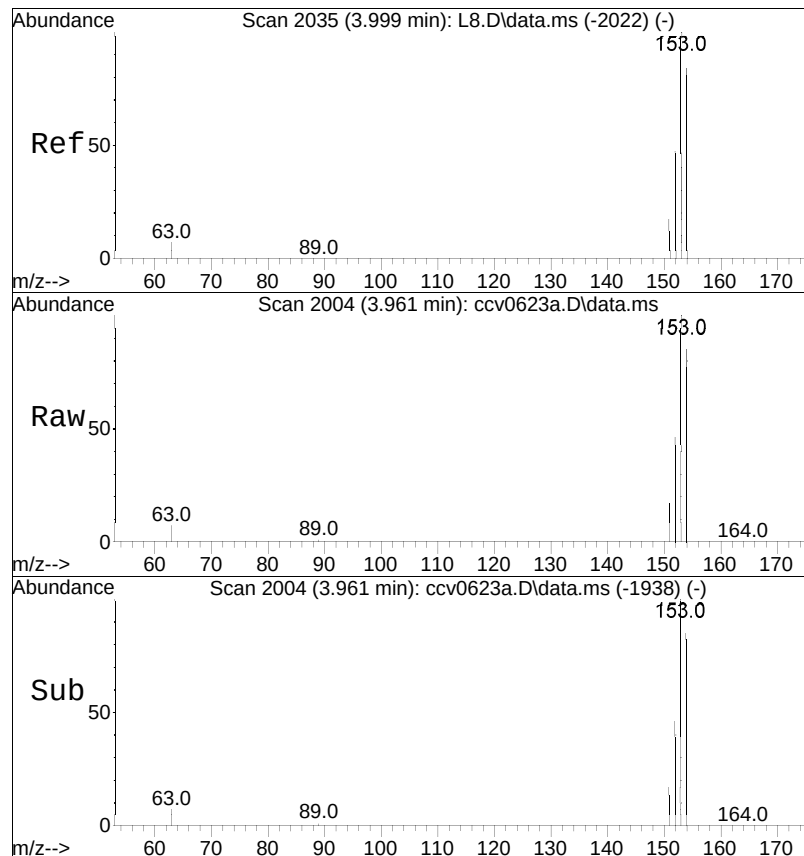




#17
 Acenaphthylene
 Concen: 931.91 ng/ml
 RT: 3.862 min Scan# 1922
 Delta R.T. 0.000 min
 Lab File: ccv0623a.D
 Acq: 23 Jun 2025 09:12 am

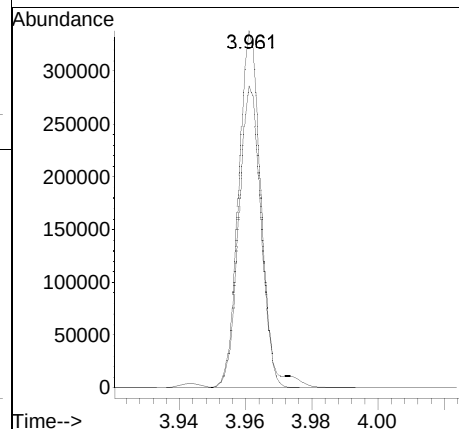
Tgt Ion:	152	Resp:	253397
Ion Ratio	Lower	Upper	
152	100		
151	20.0	16.2	24.2

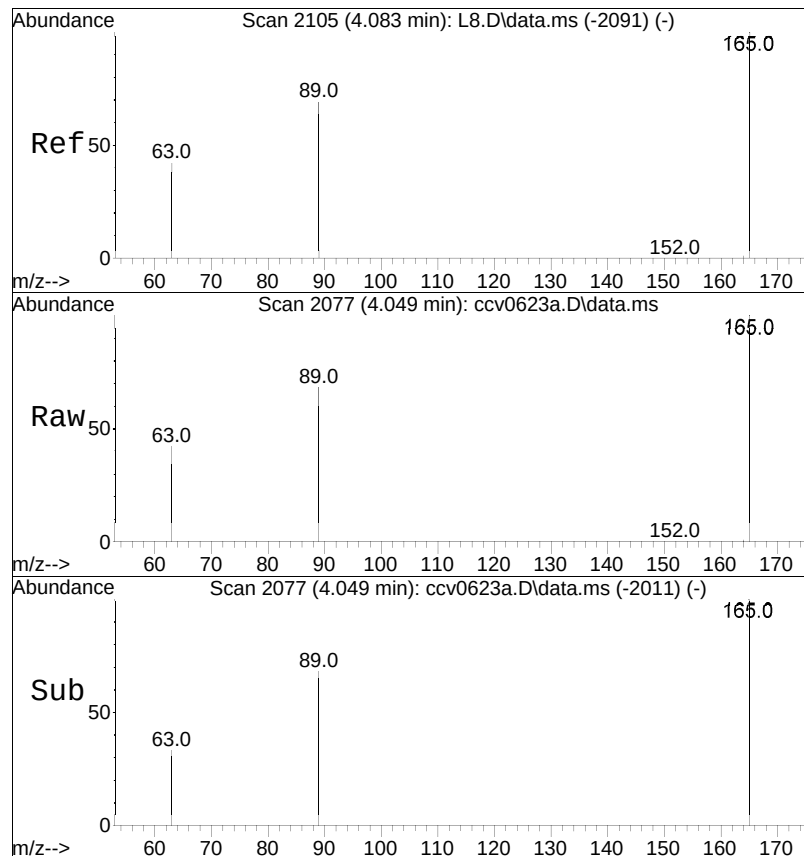




#19
 Acenaphthene
 Concen: 930.48 ng/ml
 RT: 3.961 min Scan# 2004
 Delta R.T. 0.000 min
 Lab File: ccv0623a.D
 Acq: 23 Jun 2025 09:12 am

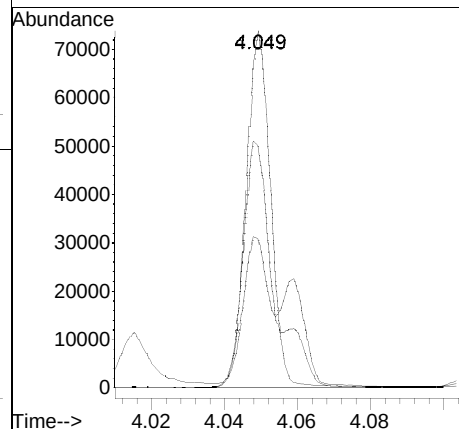
Tgt Ion	Ratio	Lower	Upper
153	100		
154	88.3	72.0	108.0

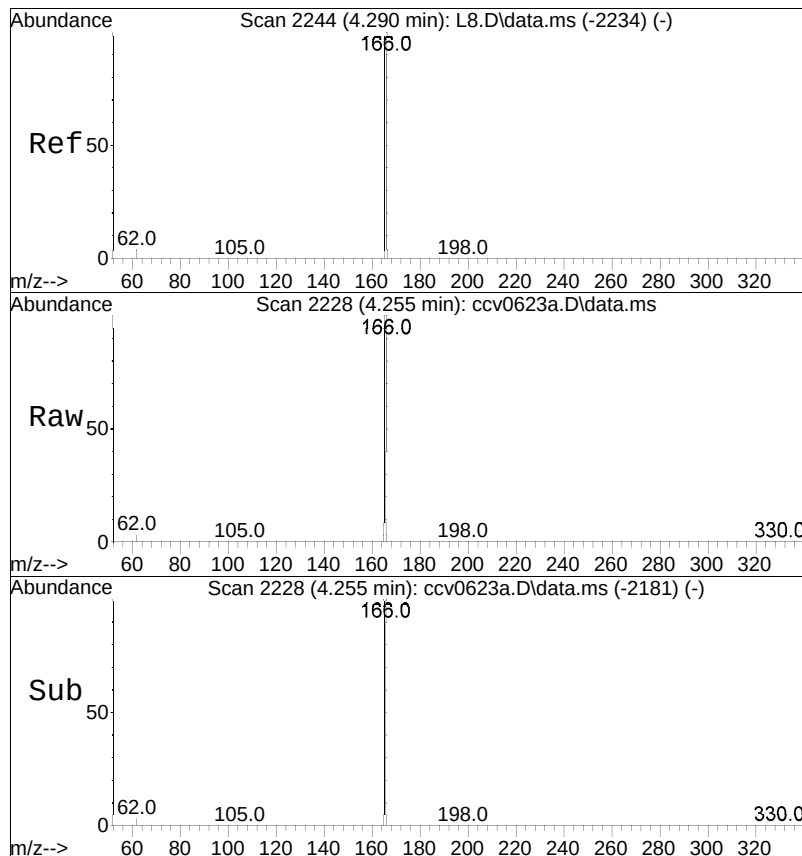




#20
 2,4-Dinitrotoluene
 Concen: 767.40 ng/ml
 RT: 4.049 min Scan# 2077
 Delta R.T. 0.000 min
 Lab File: ccv0623a.D
 Acq: 23 Jun 2025 09:12 am

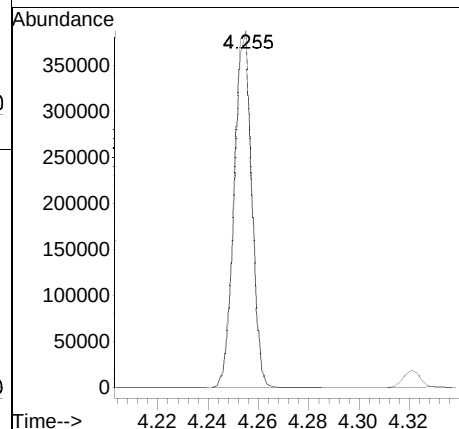
Tgt Ion:	165	Resp:	33910
Ion Ratio	Lower	Upper	
165	100		
89	74.8	56.6	85.0
63	45.4	35.0	52.6

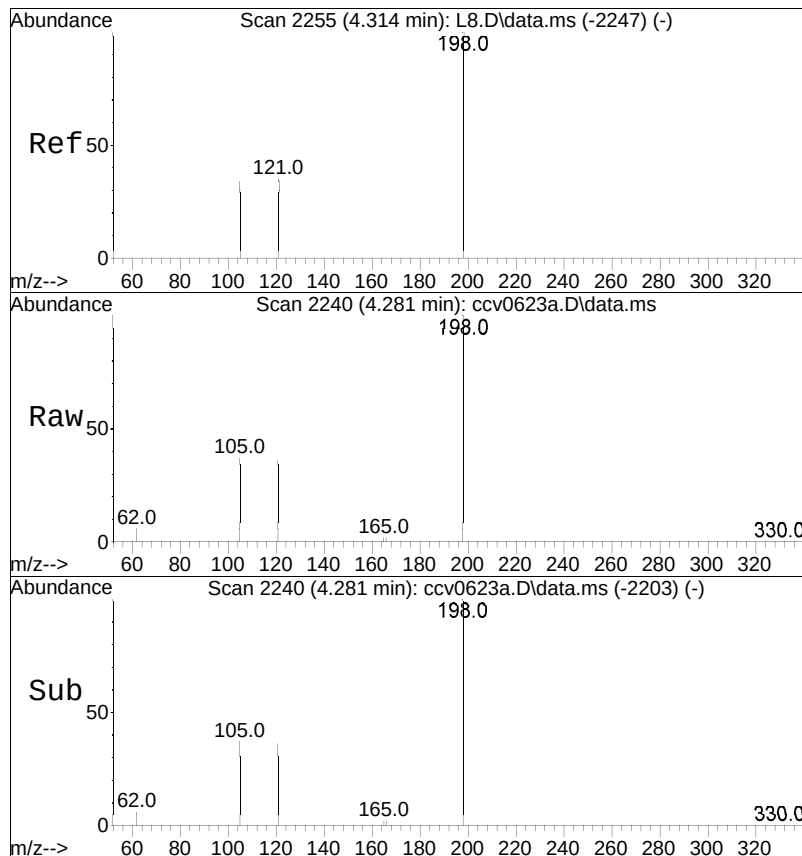




#21
Fluorene
Concen: 934.20 ng/ml
RT: 4.255 min Scan# 2228
Delta R.T. 0.000 min
Lab File: ccv0623a.D
Acq: 23 Jun 2025 09:12 am

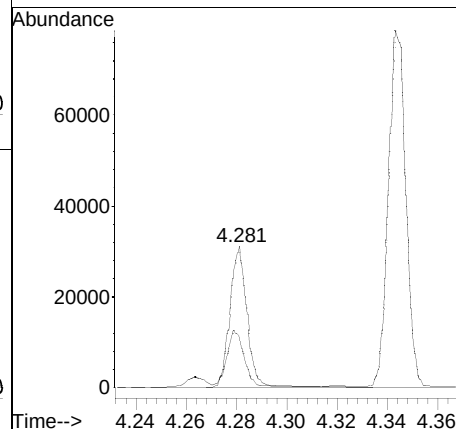
Tgt Ion	Ratio	Lower	Upper
166	100		
165	101.7	81.5	122.3

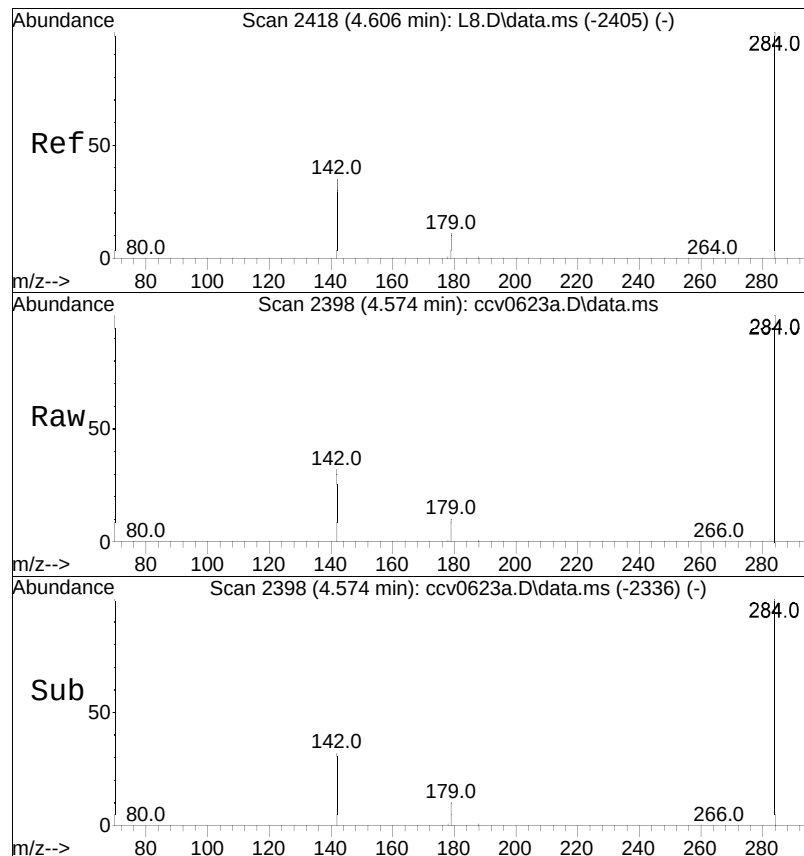




#24
 4,6-Dinitro-o-cresol
 Concen: 633.76 ng/ml
 RT: 4.281 min Scan# 2240
 Delta R.T. 0.000 min
 Lab File: ccv0623a.D
 Acq: 23 Jun 2025 09:12 am

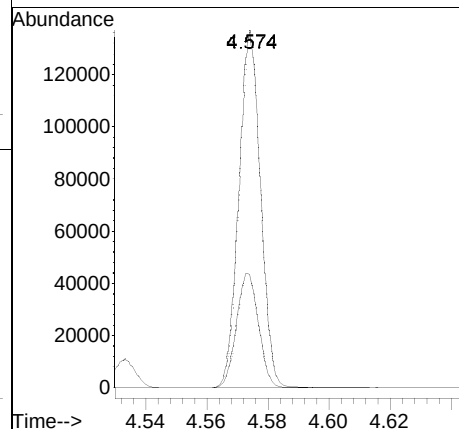
Tgt Ion	Ratio	Lower	Upper
198	100		
105	39.5	32.1	48.1

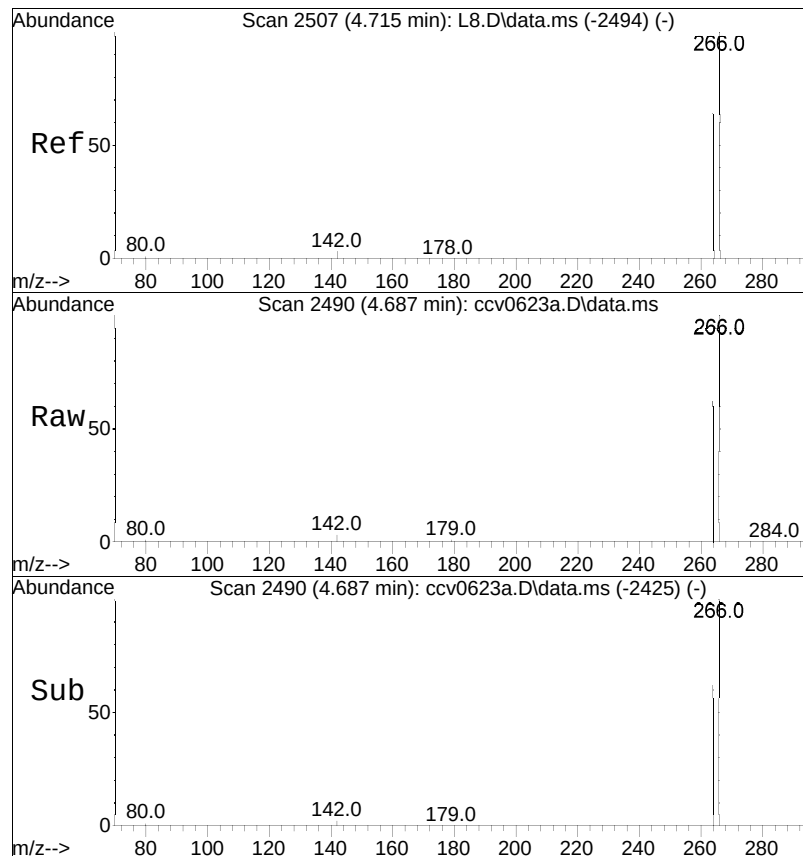




#25
 Hexachlorobenzene
 Concen: 984.66 ng/ml
 RT: 4.574 min Scan# 2398
 Delta R.T. 0.000 min
 Lab File: ccv0623a.D
 Acq: 23 Jun 2025 09:12 am

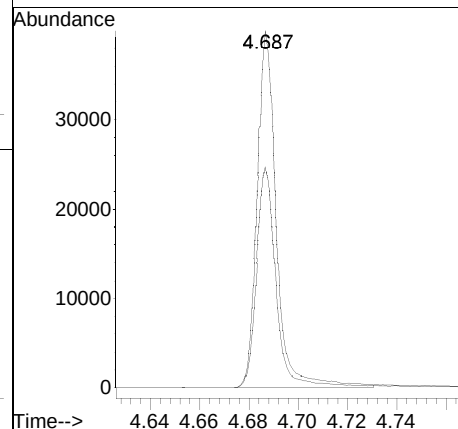
Tgt Ion: 284 Resp: 66528
 Ion Ratio Lower Upper
 284 100
 142 32.5 28.8 43.2

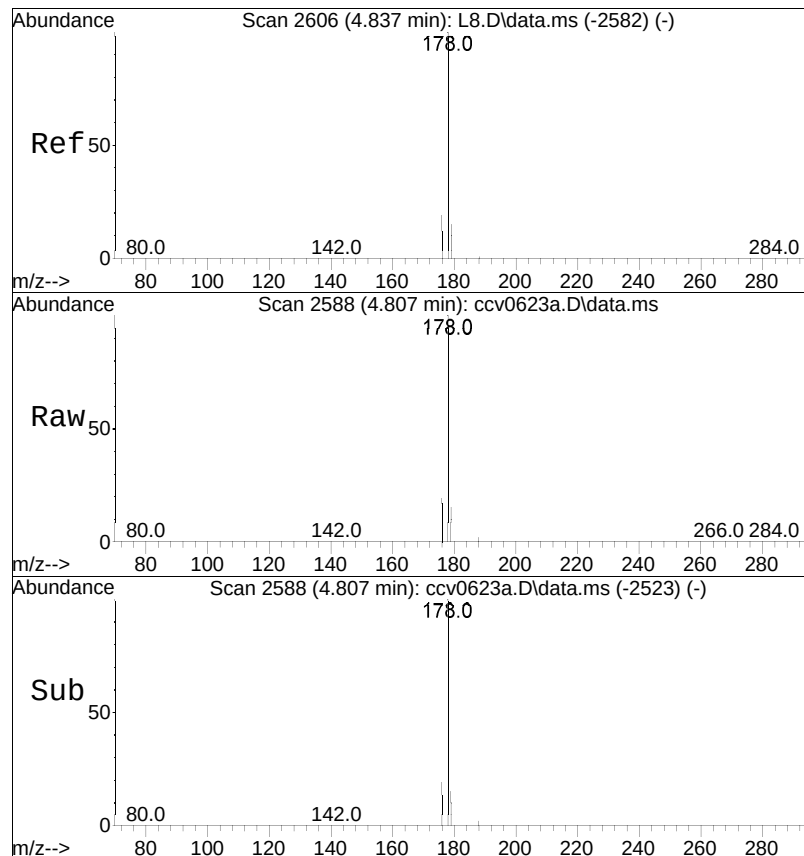




#26
 Pentachlorophenol
 Concen: 711.48 ng/ml
 RT: 4.687 min Scan# 2490
 Delta R.T. 0.000 min
 Lab File: ccv0623a.D
 Acq: 23 Jun 2025 09:12 am

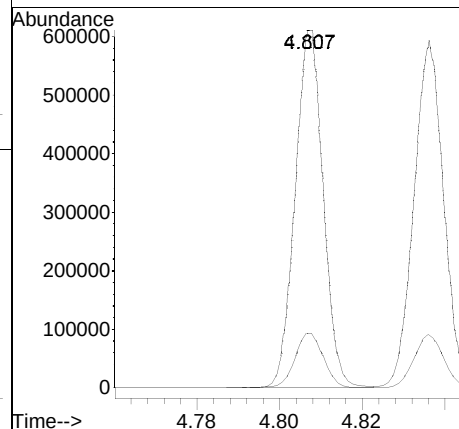
Tgt Ion	Ratio	Lower	Upper
266	100		
264	62.6	50.6	76.0

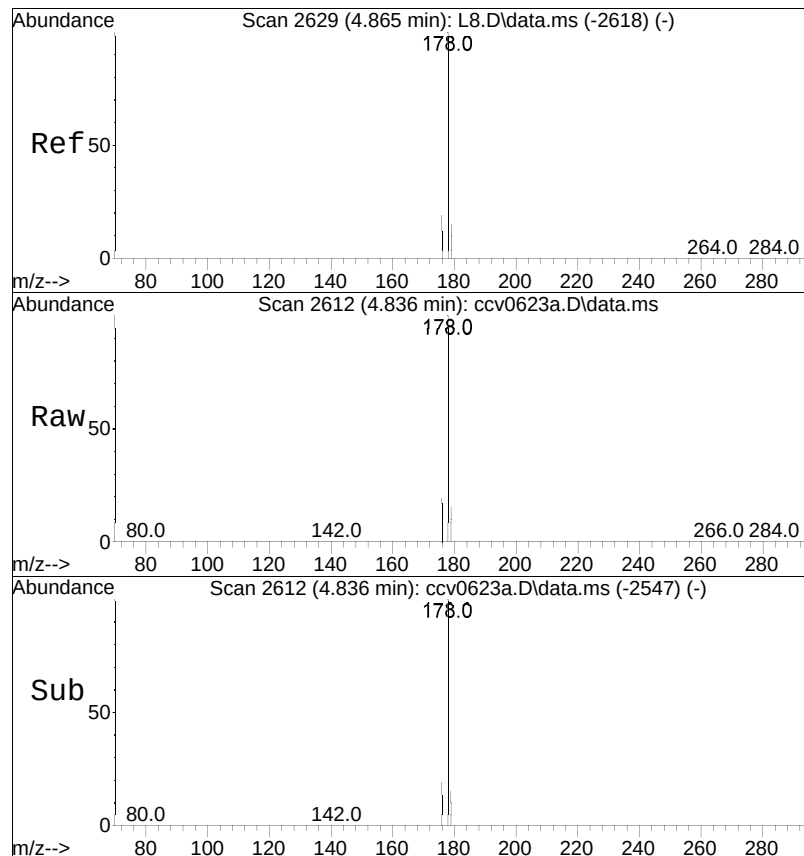




#27
 Phenanthrene
 Concen: 888.95 ng/ml
 RT: 4.807 min Scan# 2588
 Delta R.T. 0.000 min
 Lab File: ccv0623a.D
 Acq: 23 Jun 2025 09:12 am

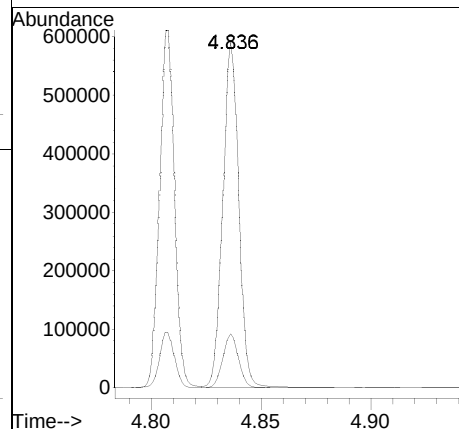
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.4	18.6

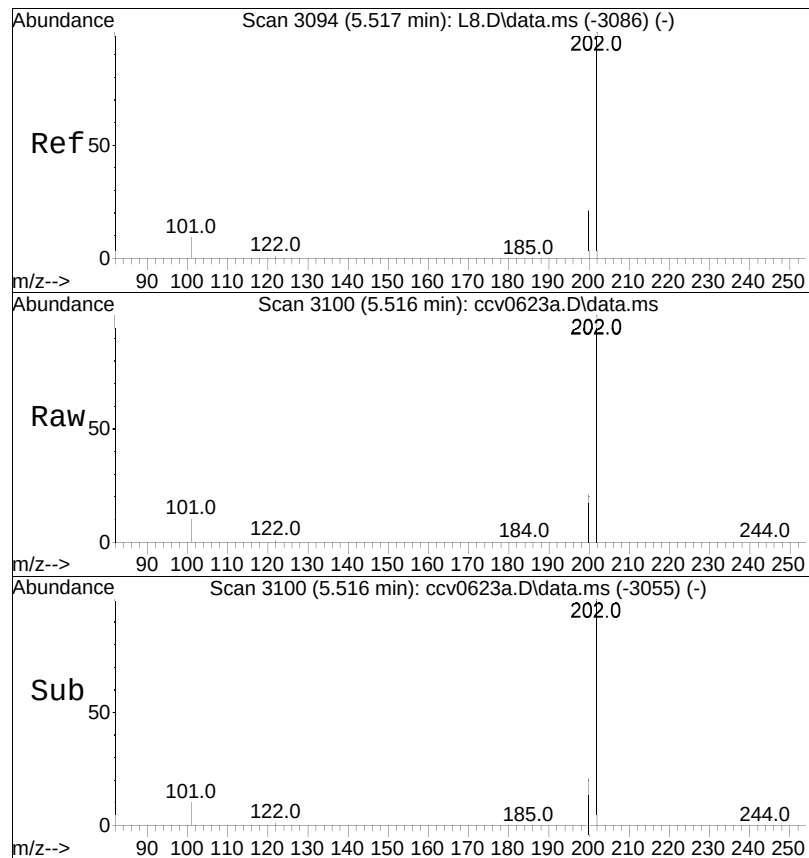




#28
 Anthracene
 Concen: 944.28 ng/ml
 RT: 4.836 min Scan# 2612
 Delta R.T. 0.000 min
 Lab File: ccv0623a.D
 Acq: 23 Jun 2025 09:12 am

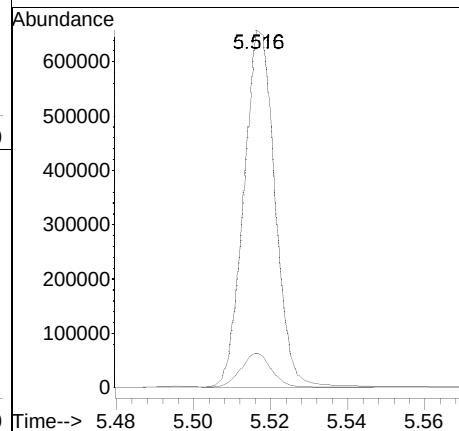
Tgt	Ion	Ratio	Lower	Upper
178	100			
179	15.3	12.2	18.2	

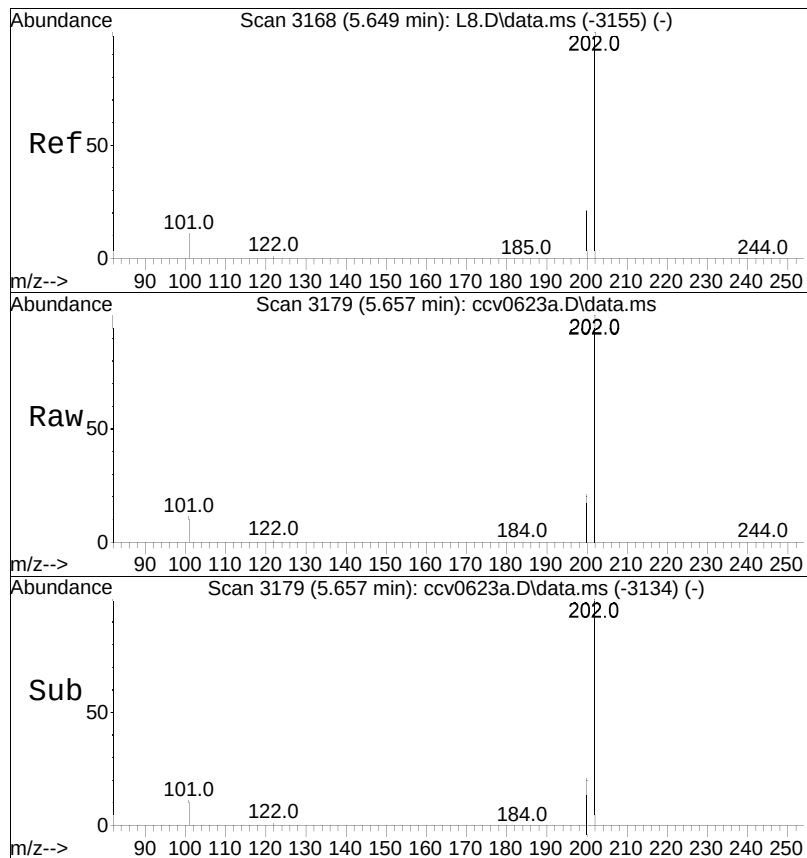




#29
 Fluoranthene
 Concen: 929.89 ng/ml M3
 RT: 5.516 min Scan# 3100
 Delta R.T. 0.000 min
 Lab File: ccv0623a.D
 Acq: 23 Jun 2025 09:12 am

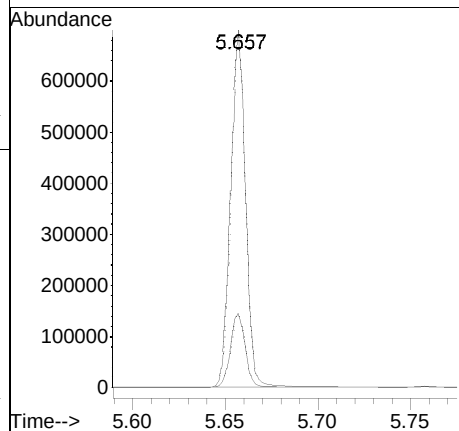
Tgt	Ion	Ratio	Lower	Upper
202	100			
101	9.5	7.5	11.3	

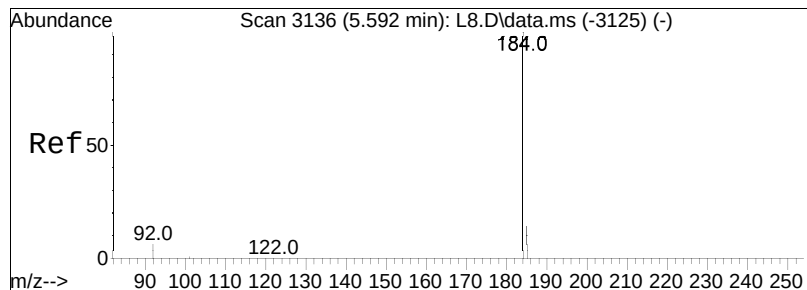




#30
 Pyrene
 Concen: 933.94 ng/ml
 RT: 5.657 min Scan# 3179
 Delta R.T. 0.000 min
 Lab File: ccv0623a.D
 Acq: 23 Jun 2025 09:12 am

Tgt	Ion	Ratio	Lower	Upper
202	100			
200	21.0	17.0	25.4	





#31

Benzidine

Concen: 762.73 ng/mL

RT: 5.600 min Scan# 3147

Delta R.T. 0.000 min

Lab File: ccv0623a.D

Acq: 23 Jun 2025 09:12 am

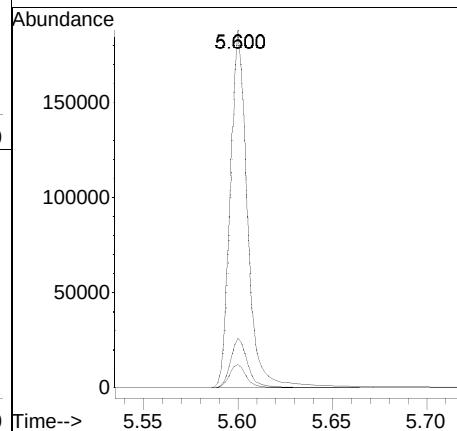
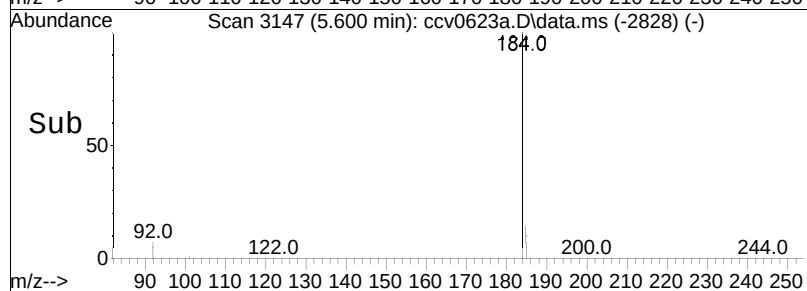
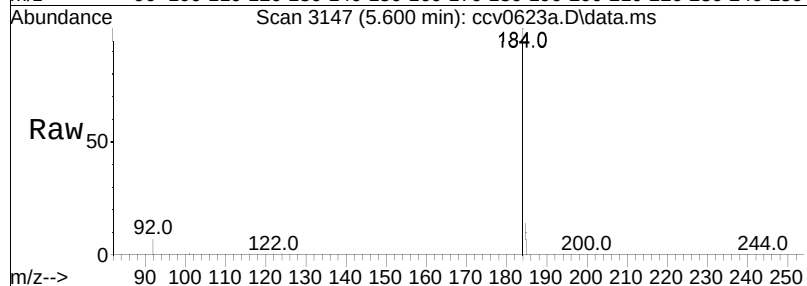
Tgt Ion:184 Resp: 116830

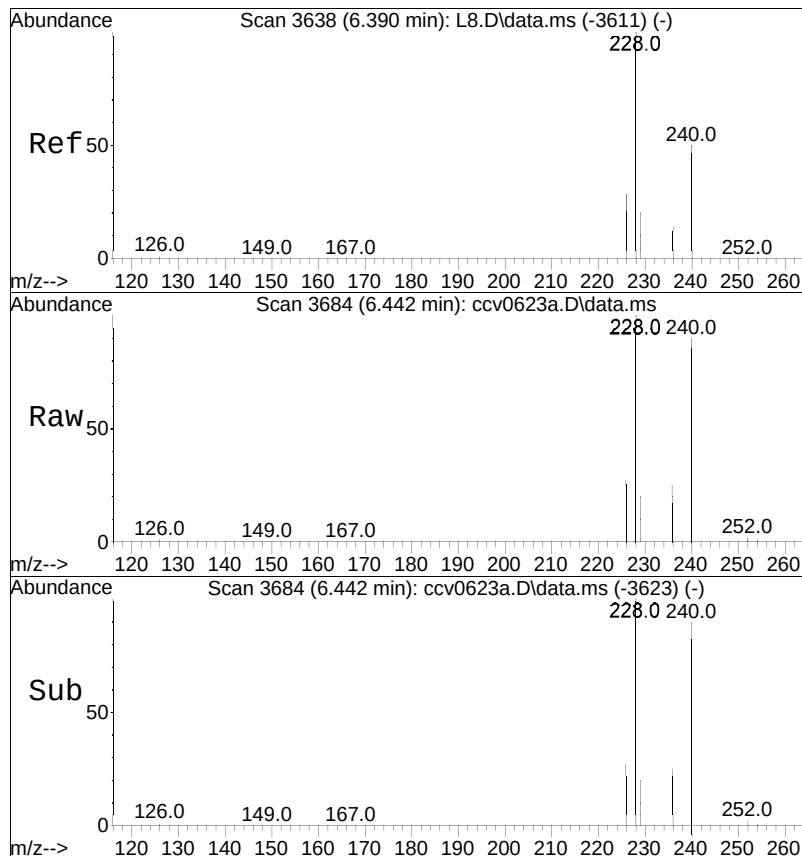
Ion Ratio Lower Upper

184 100

92 6.5 5.2 7.8

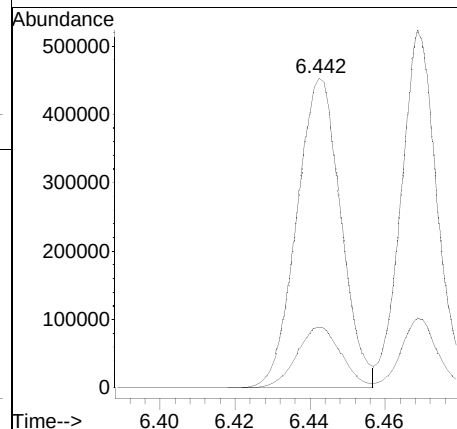
185 14.0 11.2 16.8

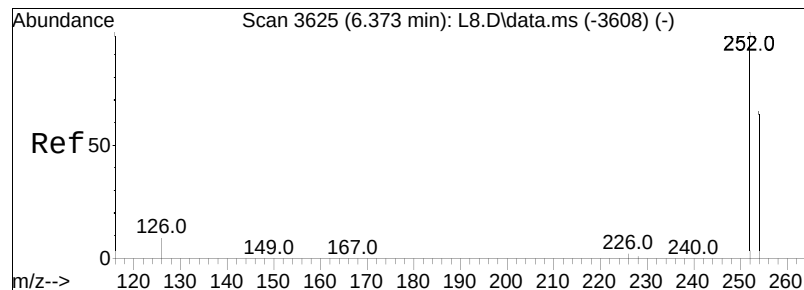




#34
 Benzo[a]anthracene
 Concen: 902.79 ng/ml
 RT: 6.442 min Scan# 3684
 Delta R.T. 0.000 min
 Lab File: ccv0623a.D
 Acq: 23 Jun 2025 09:12 am

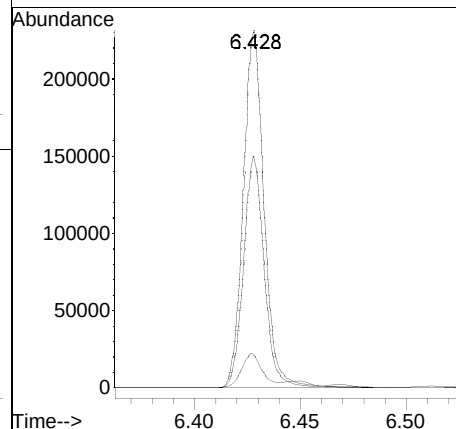
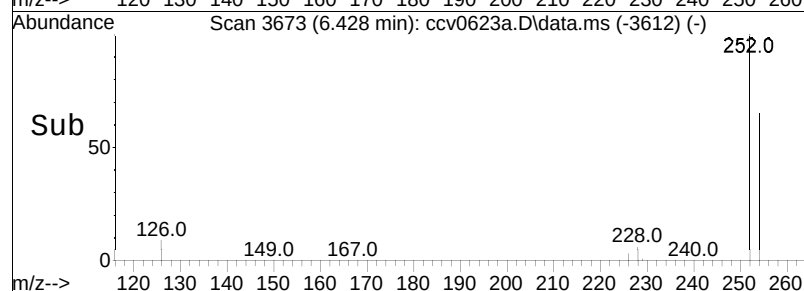
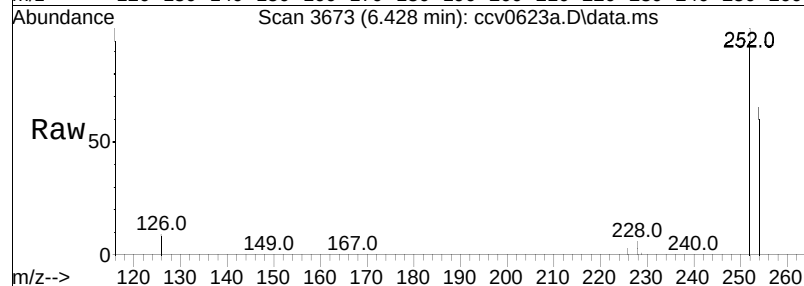
Tgt	Ion	Ratio	Lower	Upper
228	100			
229	19.7	15.8	23.6	

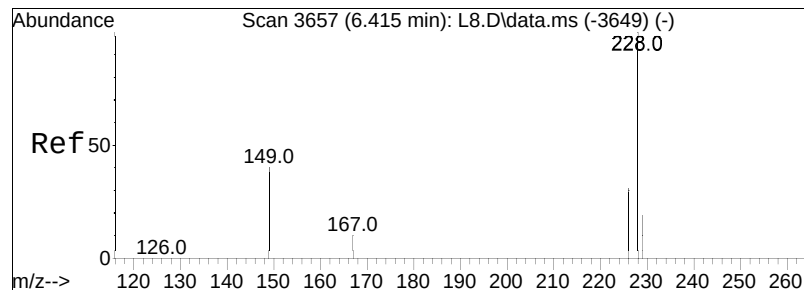




#35
 3,3'-Dichlorobenzidine
 Concen: 1018.46 ng/ml
 RT: 6.428 min Scan# 3673
 Delta R.T. 0.000 min
 Lab File: ccv0623a.D
 Acq: 23 Jun 2025 09:12 am

Tgt	Ion	Ratio	Lower	Upper
252	100			
126	9.3	7.7	11.5	
254	64.7	51.8	77.6	





#36

Chrysene

Concen: 944.69 ng/ml

RT: 6.469 min Scan# 3704

Delta R.T. 0.000 min

Lab File: ccv0623a.D

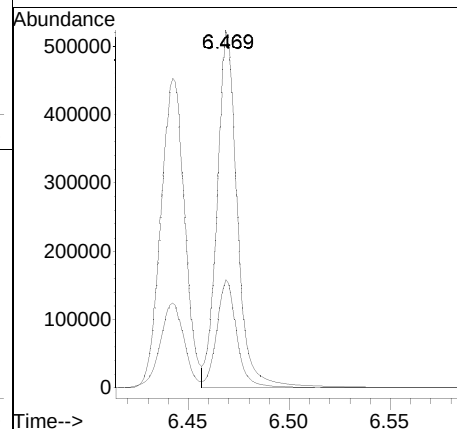
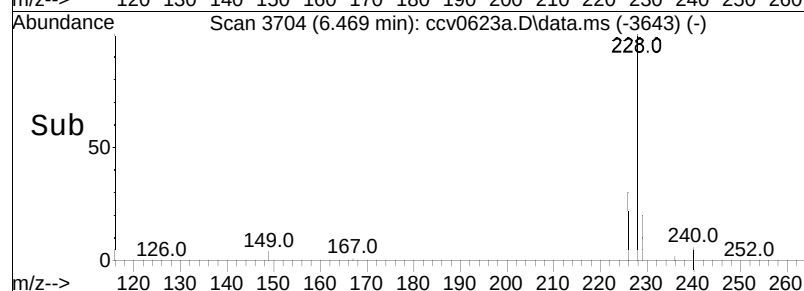
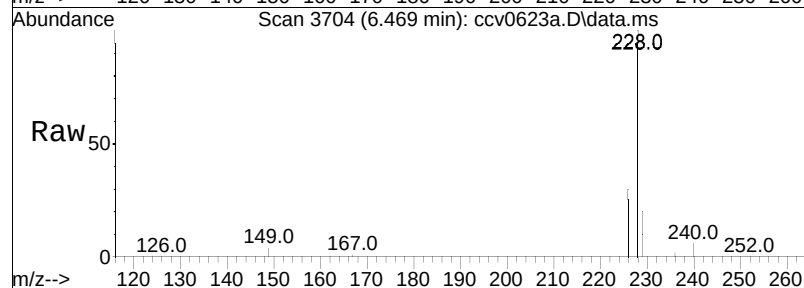
Acq: 23 Jun 2025 09:12 am

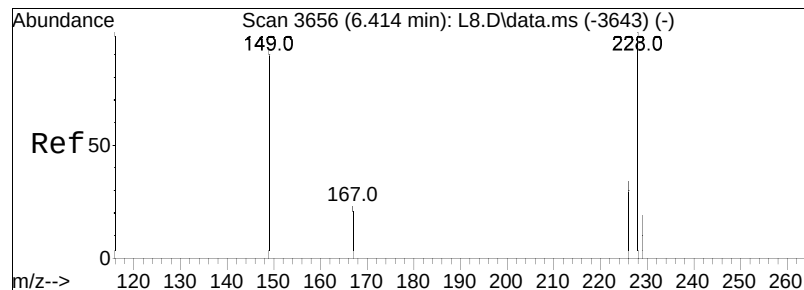
Tgt Ion: 228 Resp: 361435

Ion Ratio Lower Upper

228 100

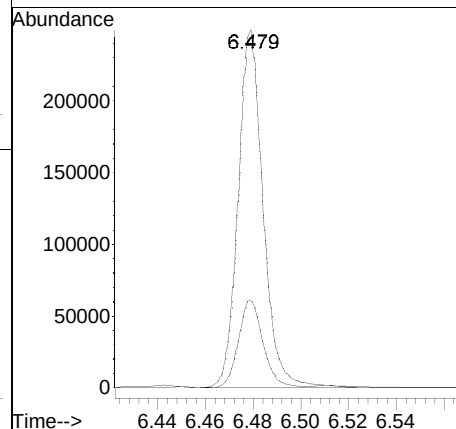
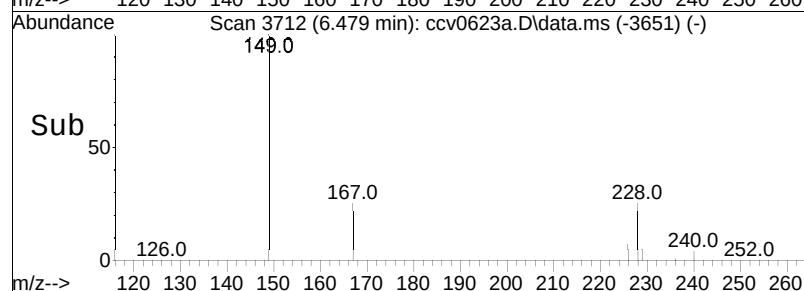
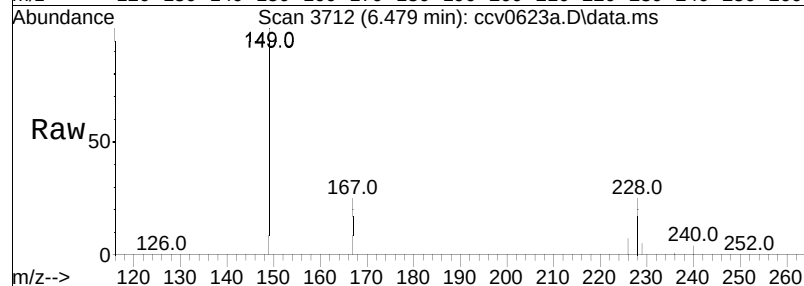
226 29.4 24.6 37.0

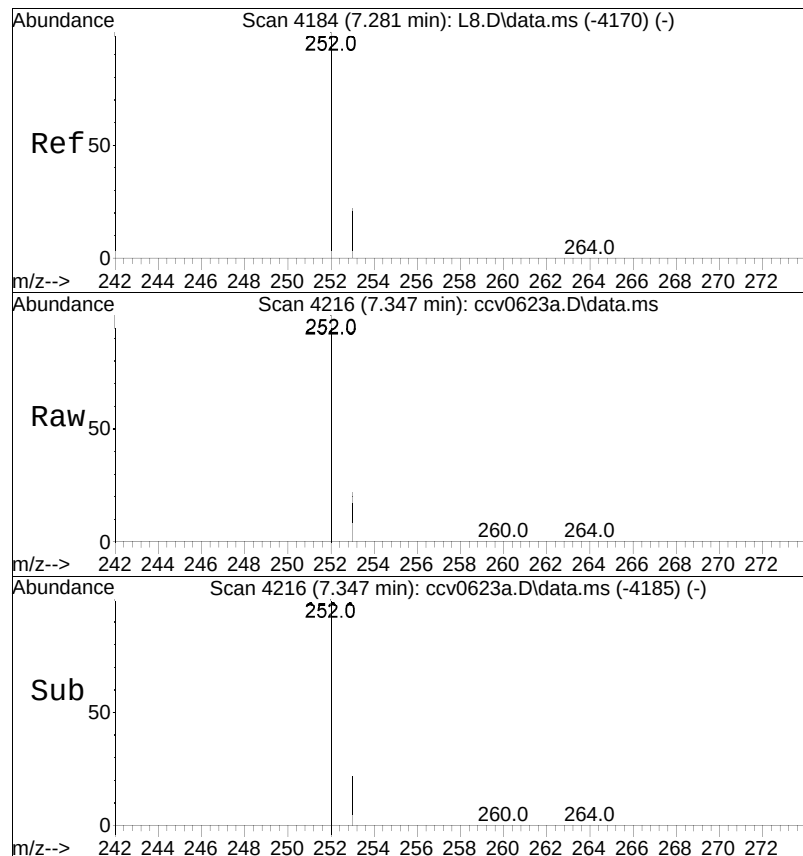




#37
 Bis(2-ethylhexyl)phthalate
 Concen: 800.49 ng/ml
 RT: 6.479 min Scan# 3712
 Delta R.T. 0.000 min
 Lab File: ccv0623a.D
 Acq: 23 Jun 2025 09:12 am

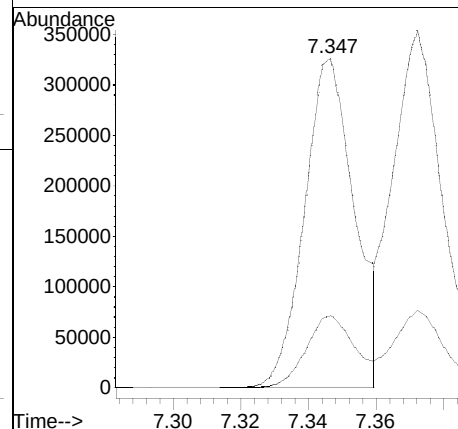
Tgt Ion	Ratio	Lower	Upper
149	100		
167	24.2	19.6	29.4

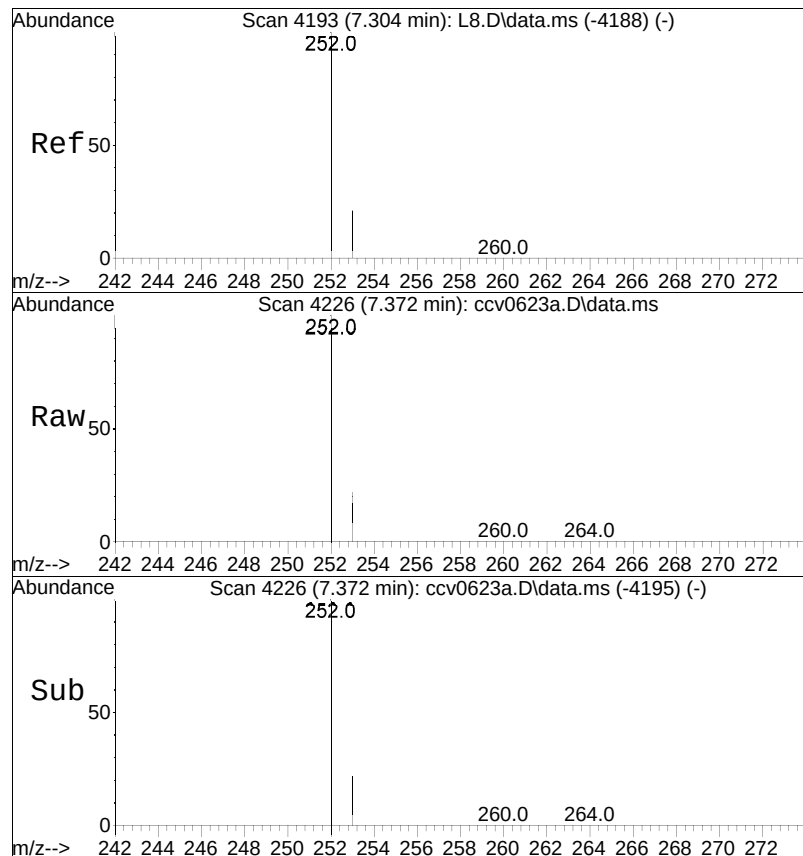




#39
 Benzo[b]fluoranthene
 Concen: 912.36 ng/ml
 RT: 7.347 min Scan# 4216
 Delta R.T. 0.000 min
 Lab File: ccv0623a.D
 Acq: 23 Jun 2025 09:12 am

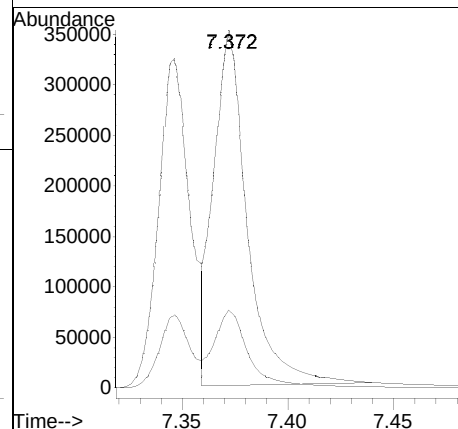
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.6	18.1	27.1

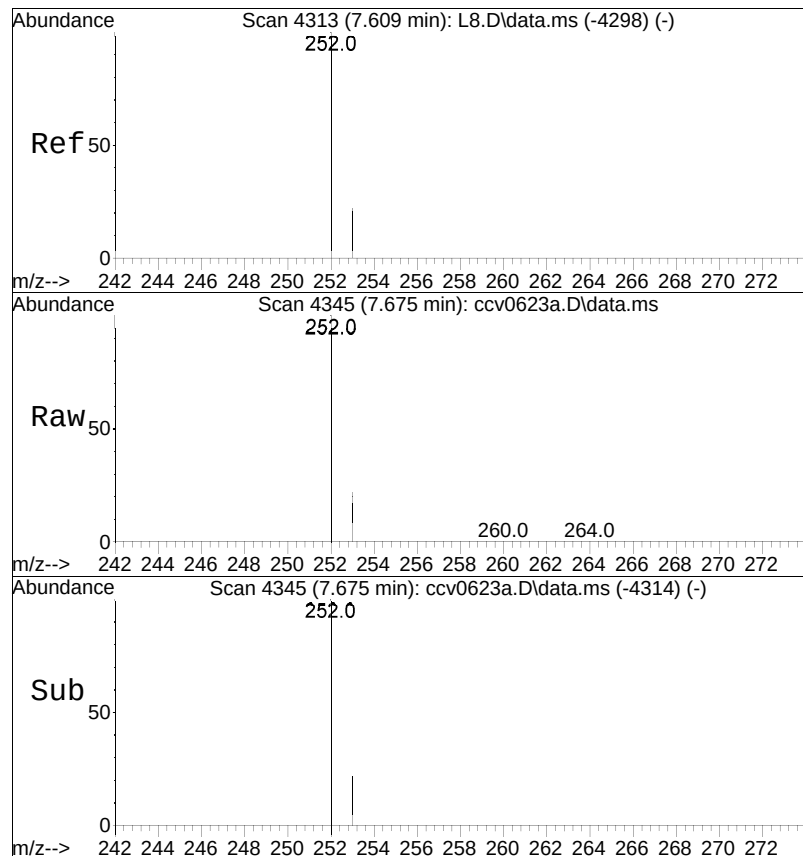




#40
 Benzo[k]fluoranthene
 Concen: 992.39 ng/ml
 RT: 7.372 min Scan# 4226
 Delta R.T. 0.000 min
 Lab File: ccv0623a.D
 Acq: 23 Jun 2025 09:12 am

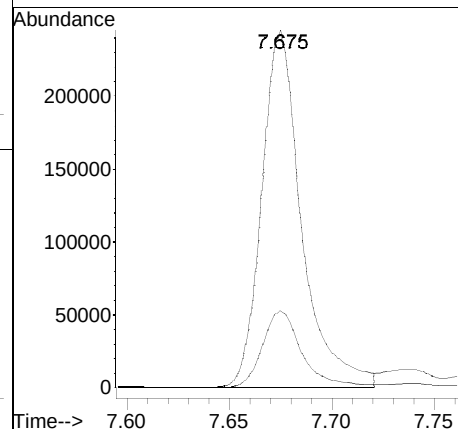
Tgt	Ion	Ratio	Lower	Upper
252	100			
253	22.0	17.0	25.4	

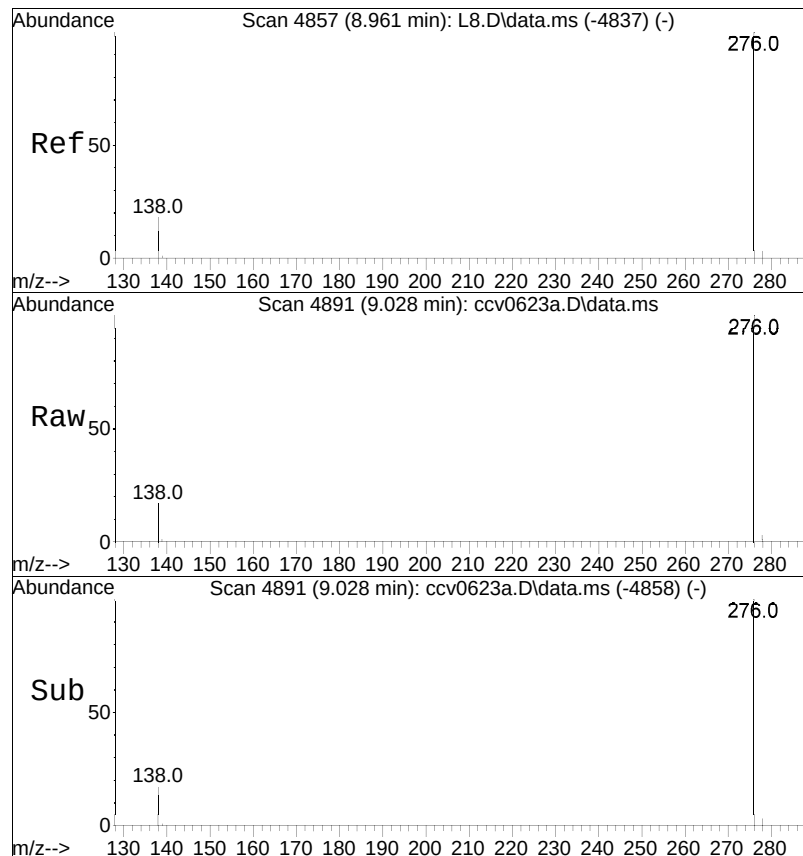




#41
 Benzo[a]pyrene
 Concen: 975.42 ng/ml
 RT: 7.675 min Scan# 4345
 Delta R.T. 0.000 min
 Lab File: ccv0623a.D
 Acq: 23 Jun 2025 09:12 am

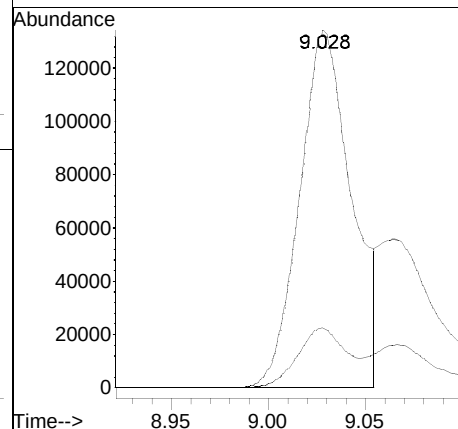
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.7	17.4	26.0

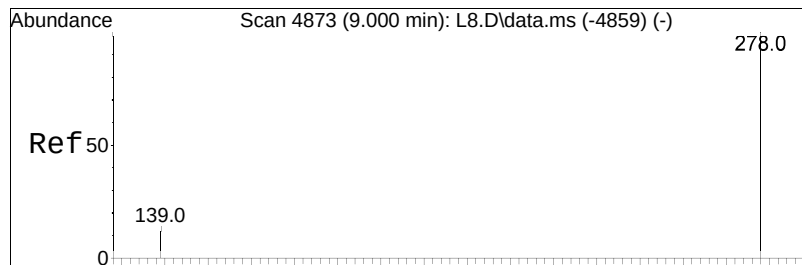




#42
 Indeno[1,2,3-cd]pyrene
 Concen: 711.02 ng/ml
 RT: 9.028 min Scan# 4891
 Delta R.T. 0.000 min
 Lab File: ccv0623a.D
 Acq: 23 Jun 2025 09:12 am

Tgt Ion	Ratio	Lower	Upper
276	100		
138	15.6	14.4	21.6





#43

Dibenzo[a,h]anthracene

Concen: 835.38 ng/ml M6

RT: 9.069 min Scan# 4908

Delta R.T. 0.000 min

Lab File: ccv0623a.D

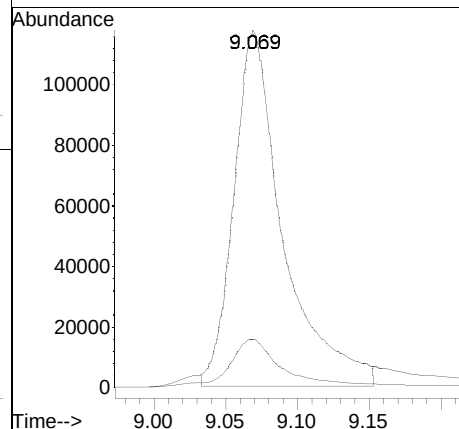
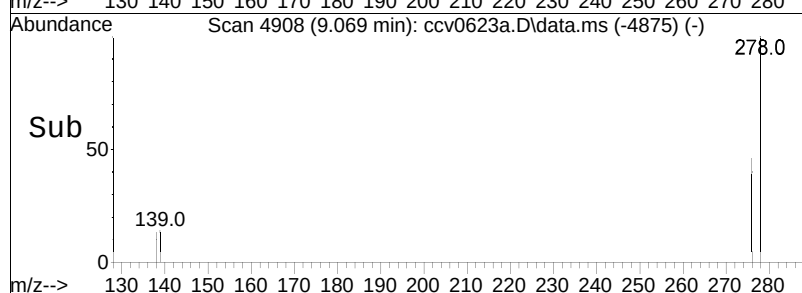
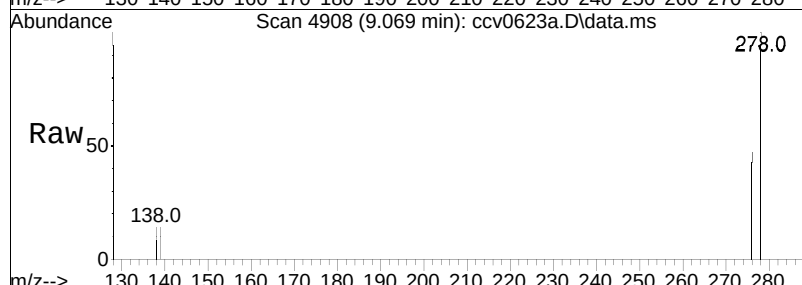
Acq: 23 Jun 2025 09:12 am

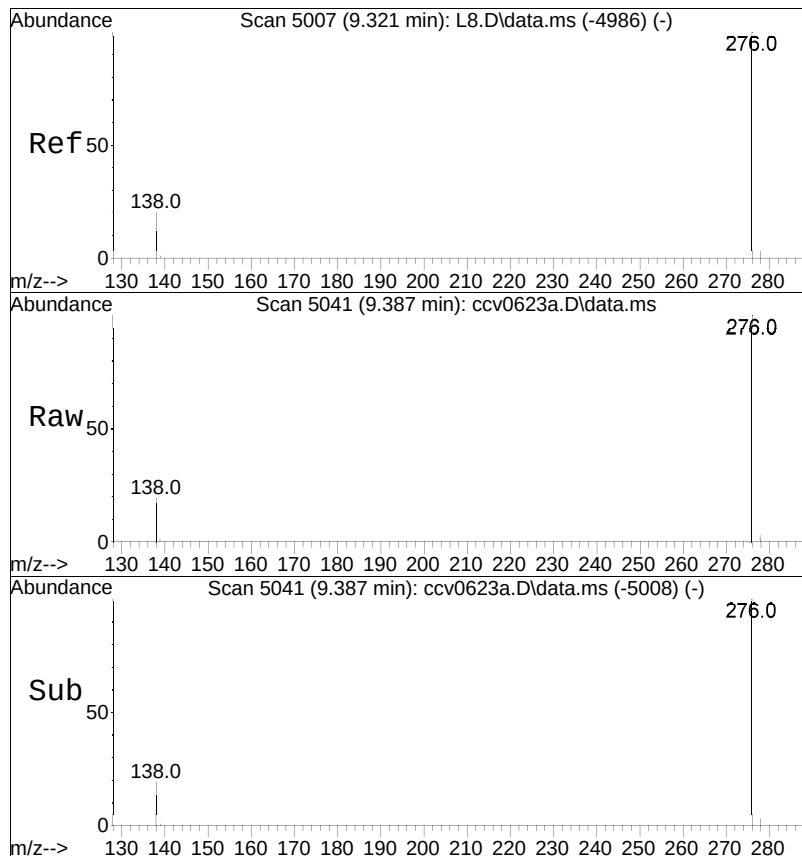
Tgt Ion: 278 Resp: 279145

Ion Ratio Lower Upper

278 100

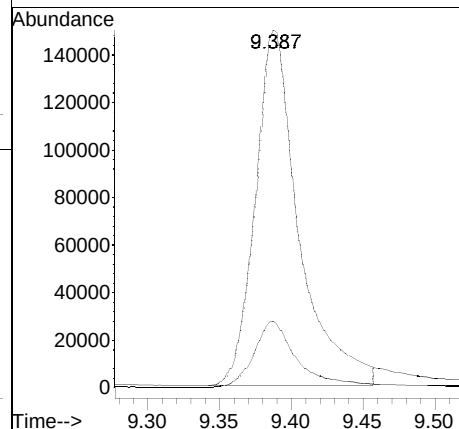
139 14.2 12.1 18.1





#44
 Benzo[g,h,i]perylene
 Concen: 872.86 ng/ml
 RT: 9.387 min Scan# 5041
 Delta R.T. 0.000 min
 Lab File: ccv0623a.D
 Acq: 23 Jun 2025 09:12 am

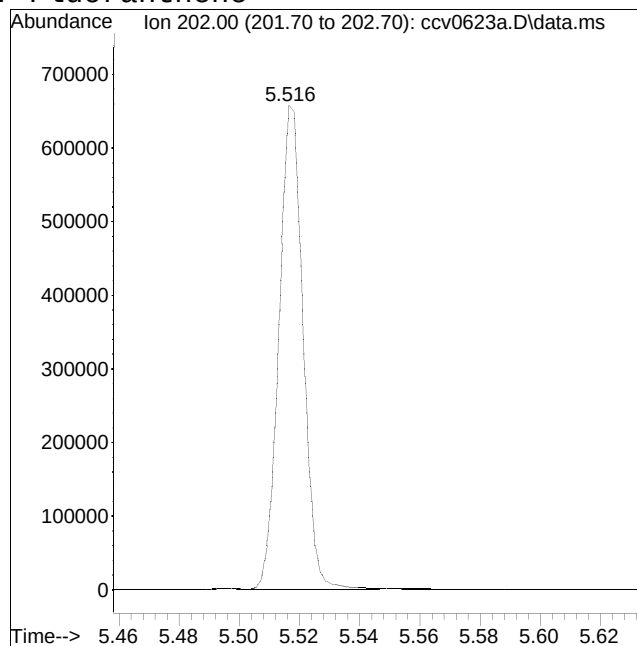
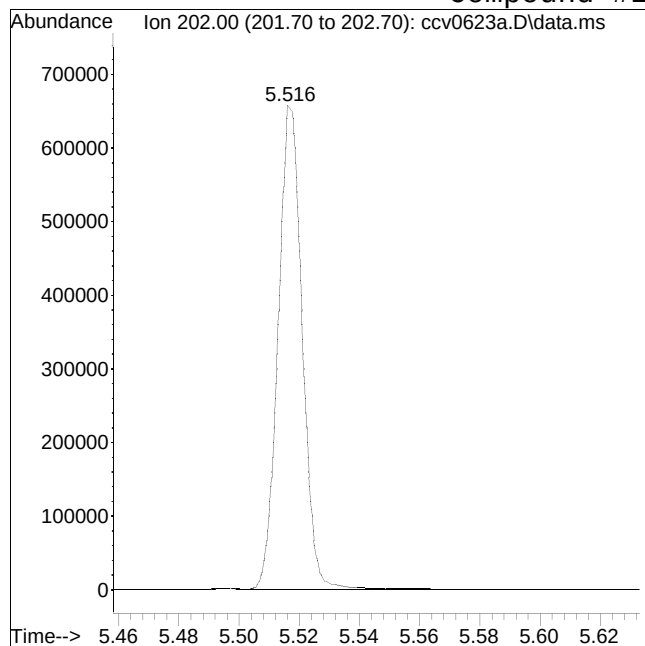
Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.3	16.0	24.0



Manual Integration Report

Data Path : I:\8270SIM\sv119\250623RVTQMethod : SIM-RVT_250618_sv119.M
Data File : ccv0623a.D Operator : sv119:slr
Date Inj'd : 6/23/2025 9:12 am Instrument : SV119
Sample : WG2082224-3,32,,ICV 11696 (00002)Date : 6/23/2025 9:30 am

Compound #29: Fluoranthene



Original Peak Response = 367694

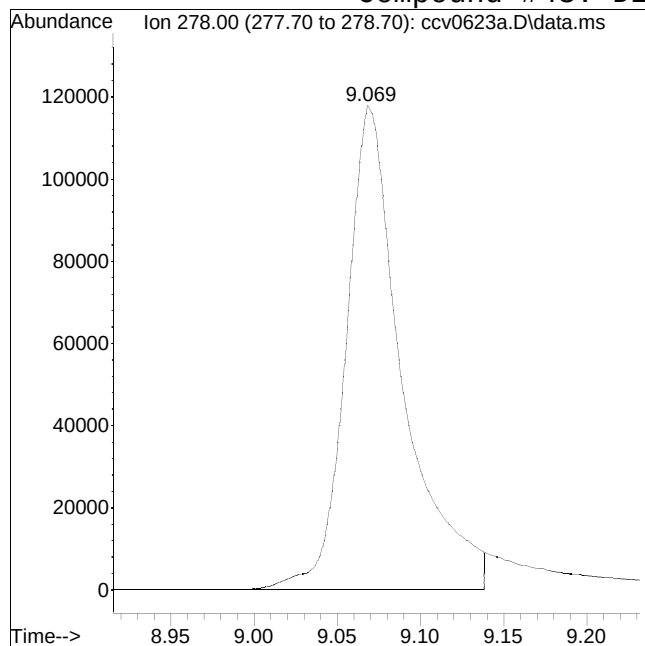
Manual Peak Response = 366909 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Manual Integration Report

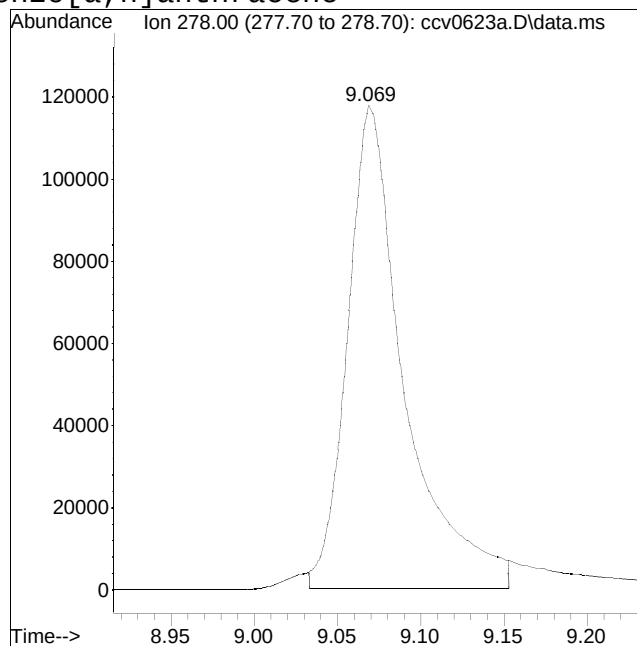
Data Path : I:\8270SIM\sv119\250623RVT\Method : SIM-RVT_250618_sv119.M
Data File : ccv0623a.D Operator : sv119:slr
Date Inj'd : 6/23/2025 9:12 am Instrument : SV119
Sample : WG2082224-3,32,,ICV 11696 (00002) Date : 6/23/2025 9:30 am

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 278593

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

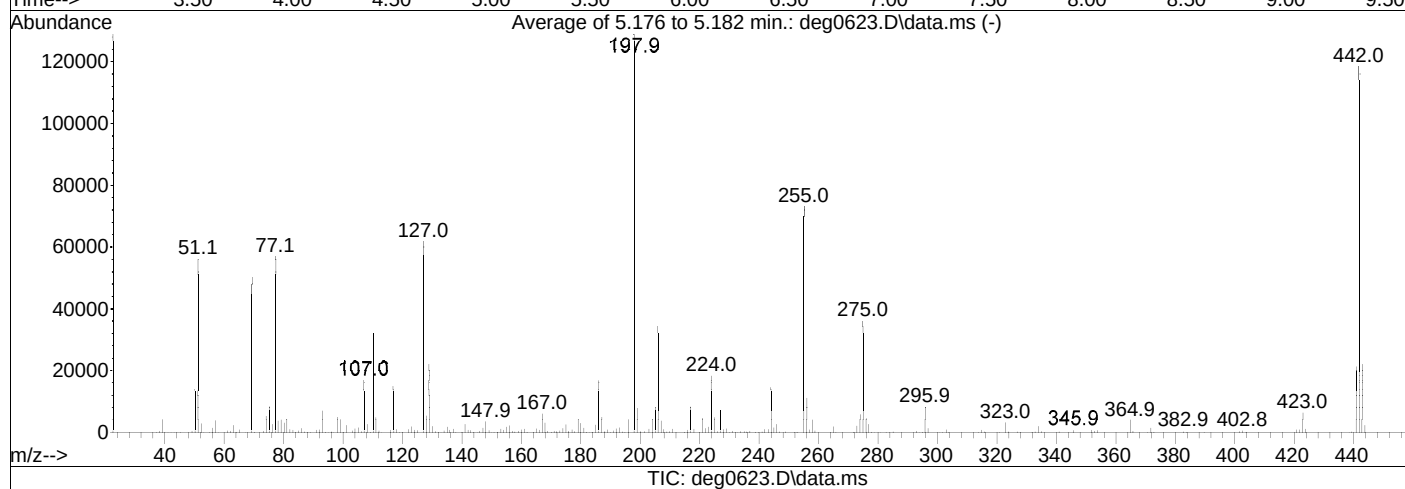
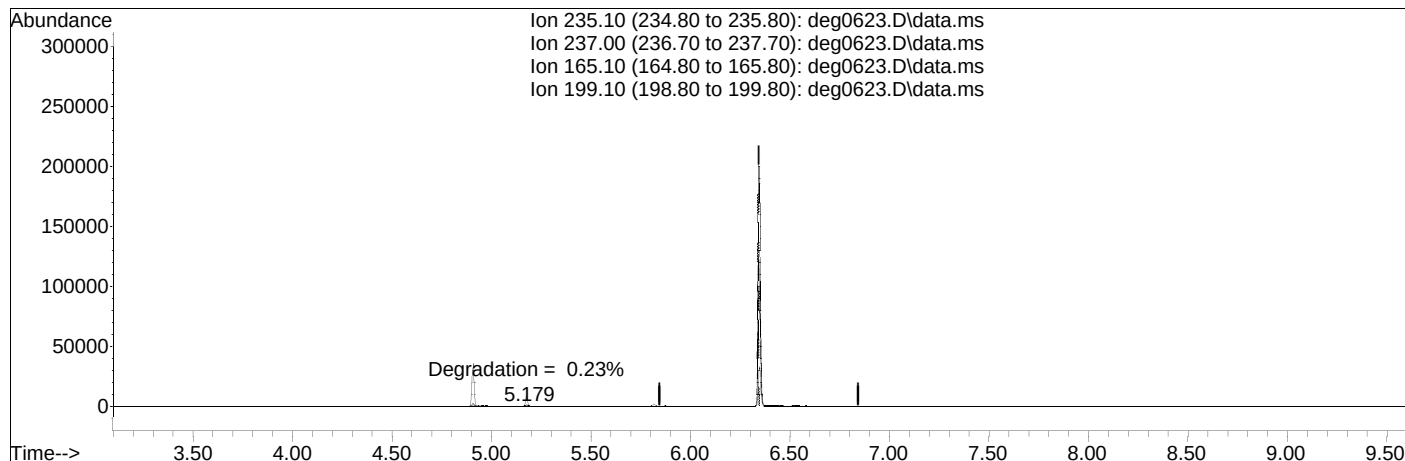


Manual Peak Response = 279145 M6

Quantitation Report (Qedit)

Data Path : I:\8270SIM\sv119\250623RVT\
 Data File : deg0623.D
 Acq On : 23 Jun 2025 08:36 am
 Operator : sv119:slr
 Sample : WG2082224-2,32,,dftpp SV119 lot# 11649
 Misc : WG2082224,,ical22394
 ALS Vial : 48 Sample Multiplier: 1

Quant Time: Jun 23 08:52:48 2025
 Quant Method : I:\8270SIM\sv119\250623RVT\dftppsv119.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Jun 18 18:30:20 2025
 Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D



(6) ddt (T)

6.345min (-0.000) 27.61

response 168324

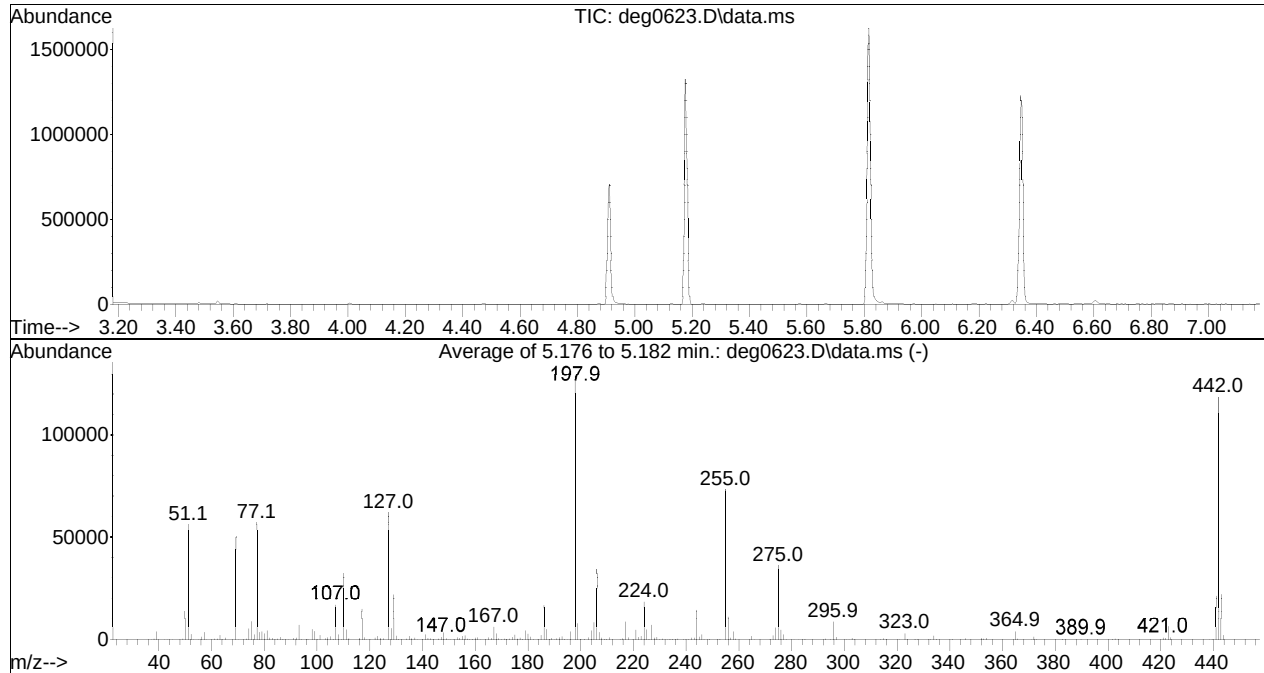
Ion	Exp%	Act%
235.10	100.00	100.00
237.00	65.60	63.26
165.10	53.30	49.84
199.10	17.10	15.94

DFTPP

Data Path : I:\8270SIM\sv119\250623RVT\
 Data File : deg0623.D
 Acq On : 23 Jun 2025 08:36 am
 Operator : sv119:slr
 Sample : WG2082224-1,32,,dftpp SV119 lot# 11649
 Misc : WG2082224,,ical22394
 ALS Vial : 48 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270SIM\sv119\250623RVT\SIM-RVT_250618_sv119.M
 Title : Semivolatiles by GC/MS by modified 8270
 Last Update : Mon Jun 23 09:30:43 2025



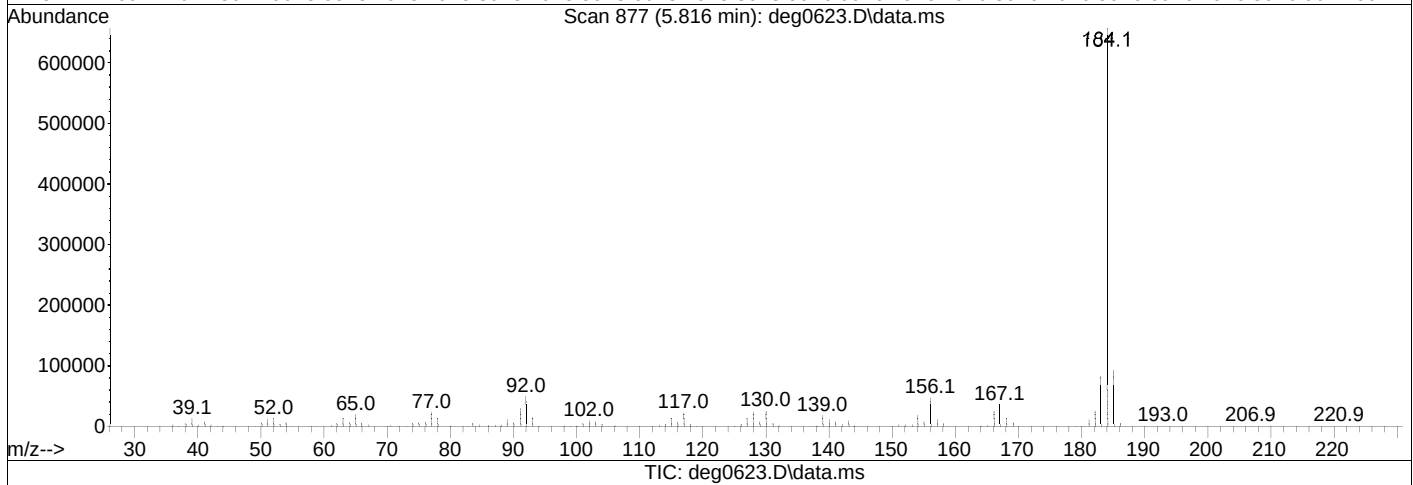
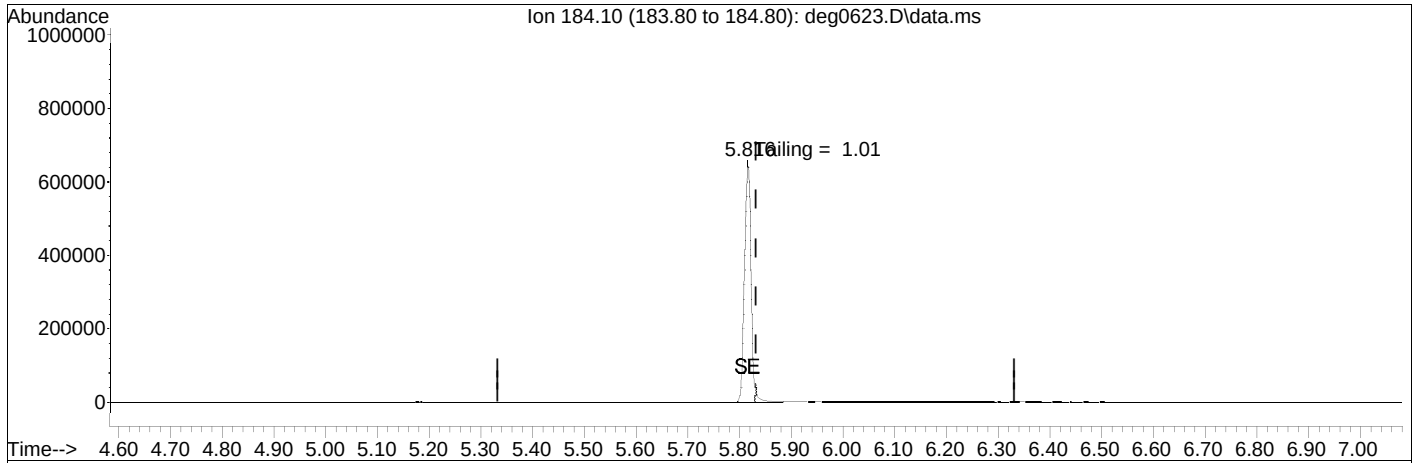
AutoFind: Scans 671, 672, 673; Background Corrected with Scan 664

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	43.5	56067	PASS
68	69	0.00	2	0.0	0	PASS
69	69	100	100	100.0	50000	PASS
70	69	0.00	2	0.5	265	PASS
127	198	10	80	47.9	61741	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	128941	PASS
199	198	5	9	5.9	7616	PASS
275	198	10	60	27.9	35973	PASS
365	198	1	100	3.0	3884	PASS
441	442	0.01	24	18.0	21288	PASS
442	198	50	100	91.9	118435	PASS
443	442	15	24	18.6	22016	PASS

Quantitation Report (Qedit)

Data Path : I:\8270SIM\sv119\250623RVT\
Data File : deg0623.D
Acq On : 23 Jun 2025 08:36 am
Operator : sv119:slr
Sample : WG2082224-4,32,,dftpp SV119 lot# 11649
Misc : WG2082224,,ical22394
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Jun 23 08:52:48 2025
Quant Method : I:\8270SIM\sv119\250623RVT\dftppsv119.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 18 18:30:20 2025
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D



(3) benzidine (T)

5.816min (-0.016) 52.39

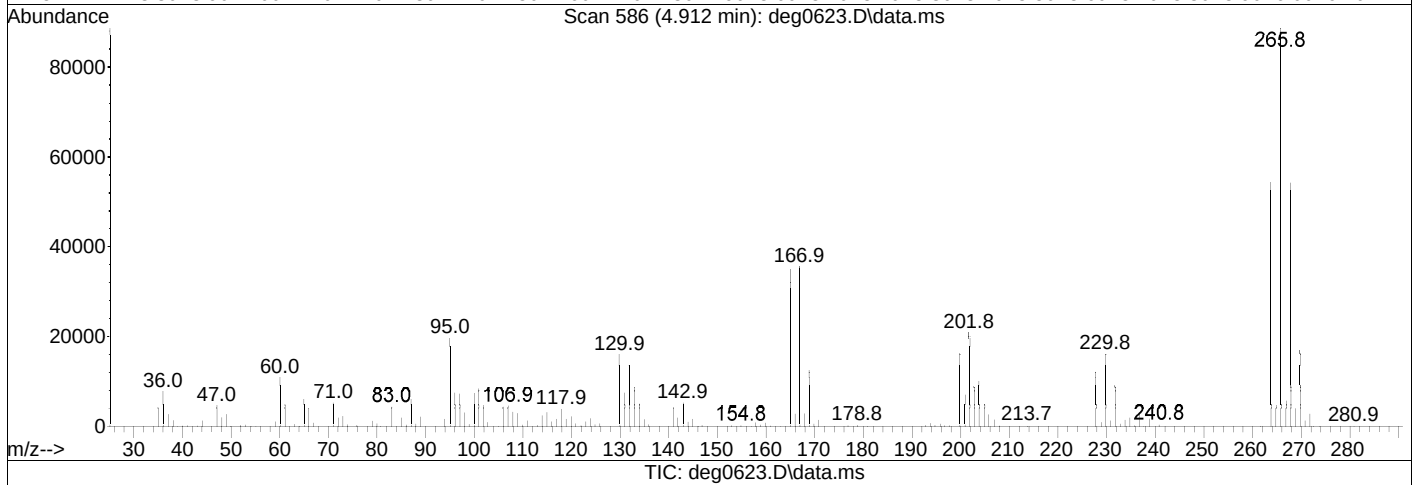
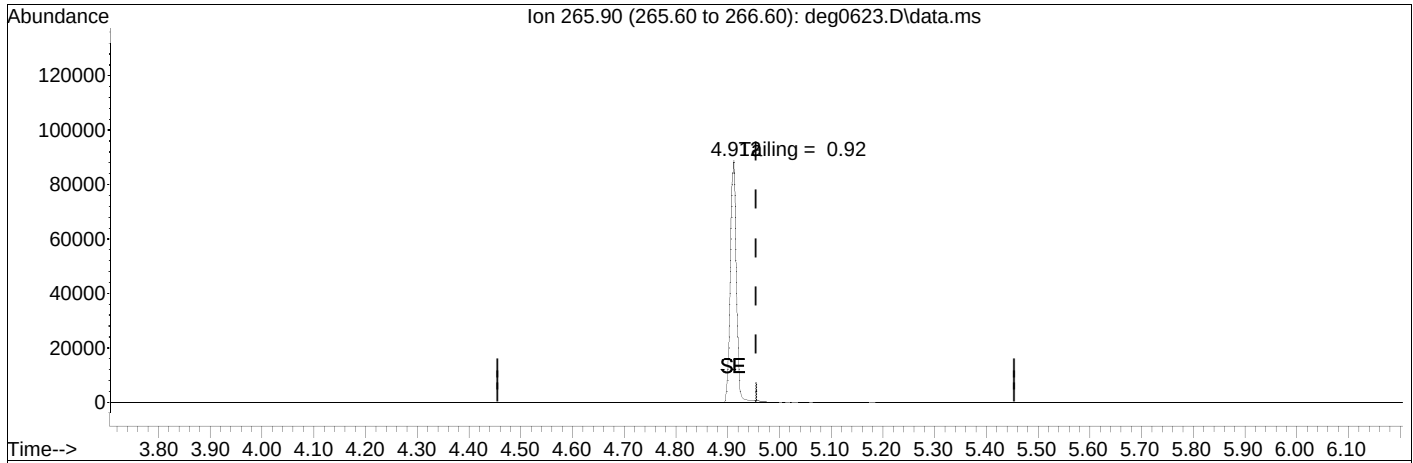
response 533358

Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270SIM\sv119\250623RVT\
 Data File : deg0623.D
 Acq On : 23 Jun 2025 08:36 am
 Operator : sv119:slr
 Sample : WG2082224-5,32,,dftpp SV119 lot# 11649
 Misc : WG2082224,,ical22394
 ALS Vial : 48 Sample Multiplier: 1

 Quant Time: Jun 23 08:52:48 2025
 Quant Method : I:\8270SIM\sv119\250623RVT\dftppsv119.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Jun 18 18:30:20 2025
 Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D



(1) pentachlorophenol (T)

4.912min (-0.043) 32.90

response 69110

Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Calibration Verification Summary

Form 7

Semivolatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM GROUNDWATER EVENT
 Instrument ID : SV119
 Lab File ID : CCV0623A
 Sample No : WG2082224-3
 Channel :

Lab Number : L2538805
 Project Number : 2232.0006Y005
 Calibration Date : 06/23/25 09:12
 Init. Calib. Date(s) : 06/18/25 06/18/25
 Init. Calib. Times : 18:34 21:03

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.05	0	20	79	0
N-Nitrosodimethylamine	0.662	0.707	.05	-6.8	20	86	0
2-Fluorophenol	1.123	1.213	.05	-8	20	86	0
Phenol-d6	1.459	1.497	.05	-2.6	20	84	0
Bis(2-chloroethyl)ether	1.177	1.131	.05	3.9	20	76	0
n-nitrosodi-n-propylamine	0.885	0.844	.05	4.6	20	76	0
Hexachloroethane	0.531	0.492	.05	7.3	20	74	0
Nitrobenzene-d5	1.203	1.123	.05	6.7	20	75	0
Naphthalene-d8	1	1	.05	0	20	79	0
Naphthalene	1.048	0.983	.05	6.2	20	76	0
Hexachlorobutadiene	0.208	0.197	.05	5.3	20	77	0
2-Methylnaphthalene	0.695	0.653	.05	6	20	77	0
1-Methylnaphthalene	0.718	0.669	.05	6.8	20	76	0
2-Fluorobiphenyl	0.905	0.854	.05	5.6	20	77	0
2-Chloronaphthalene	0.779	0.718	.05	7.8	20	74	0
2,6-Dinitrotoluene	0.159	0.123	.05	22.6*	20	61	0
Acenaphthylene	1.296	1.207	.05	6.9	20	74	0
Acenaphthene-d10	1	1	.05	0	20	79	0
Acenaphthene	1.329	1.236	.05	7	20	75	0
2,4-Dinitrotoluene	0.353	0.271	.05	23.2*	20	59	0
Fluorene	1.589	1.485	.05	6.5	20	75	0
2,4,6-Tribromophenol	0.201	0.201	.05	0	20	79	0
Phenanthrene-d10	1	1	.05	0	20	80	0
4,6-Dinitro-o-cresol	1000	633.76	.05	36.6*	20	51	0
Hexachlorobenzene	0.248	0.244	.05	1.6	20	80	0
Pentachlorophenol	1000	711.476	.05	28.9*	20	57	0
Phenanthrene	1.189	1.057	.05	11.1	20	75	0
Anthracene	1.16	1.095	.05	5.6	20	75	0
Fluoranthene	1.446	1.344	.05	7.1	20	76	0
Pyrene	1.492	1.393	.05	6.6	20	77	0
Benzidine	1000	762.729	.05	23.7*	20	55	0
4-Terphenyl-d14	0.899	0.971	.05	-8	20	87	0
Chrysene-d12	1	1	.05	0	20	90	0
Benzo[a]anthracene	1000	902.792	.05	9.7	20	80	0
3,3'-Dichlorobenzidine	0.522	0.532	.05	-1.9	20	86	0
Chrysene	1.315	1.242	.05	5.6	20	84	0
Bis(2-ethylhexyl)phthalate	1000	800.486	.05	20	20	79	0
Perylene-d12	1	1	.05	0	20	97	0
Benzo[b]fluoranthene	1.206	1.1	.05	8.8	20	81	0
Benzo[k]fluoranthene	1.273	1.263	.05	0.8	20	89	0
Benzo[a]pyrene	1.097	1.07	.05	2.5	20	85	0
Indeno[1,2,3-cd]pyrene	1000	711.024	.05	28.9*	20	70	0
Dibenzo[a,h]anthracene	1000	835.379	.05	16.5	20	82	0

* Value outside of QC limits.



Calibration Verification Summary
Form 7
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Instrument ID	: SV119	Calibration Date	: 06/23/25 09:12
Lab File ID	: CCV0623A	Init. Calib. Date(s)	: 06/18/25 06/18/25
Sample No	: WG2082224-3	Init. Calib. Times	: 18:34 21:03
Channel	:		

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Benzo[g,h,i]perylene	1000	872.859	.05	12.7	20	86	0

* Value outside of QC limits.



Calibration Verification Summary

Form 7

Semivolatiles

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM GROUNDWATER EVENT
 Instrument ID : SV119
 Lab File ID : CCV0626
 Sample No : WG2084091-3
 Channel :

Lab Number : L2538805
 Project Number : 2232.0006Y005
 Calibration Date : 06/26/25 21:31
 Init. Calib. Date(s) : 06/25/25 06/25/25
 Init. Calib. Times : 20:07 22:41

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
1,4-Dichlorobenzene-d4	1	1	.05	0	20	129	0
N-Nitrosodimethylamine	0.682	0.656	.05	3.8	20	124	.01
2-Fluorophenol	1.156	1.162	.05	-0.5	20	136	.01
Phenol-d6	1.436	1.493	.05	-4	20	135	0
Bis(2-chloroethyl)ether	1.247	1.118	.05	10.3	20	122	0
n-nitrosodi-n-propylamine	0.929	0.848	.05	8.7	20	118	0
Hexachloroethane	0.514	0.49	.05	4.7	20	124	0
Nitrobenzene-d5	1.315	1.206	.05	8.3	20	121	0
Naphthalene-d8	1	1	.05	0	20	124	0
Naphthalene	1.086	0.99	.05	8.8	20	119	0
Hexachlorobutadiene	0.204	0.193	.05	5.4	20	121	0
2-Methylnaphthalene	0.692	0.643	.05	7.1	20	122	0
1-Methylnaphthalene	0.7	0.659	.05	5.9	20	119	0
2-Fluorobiphenyl	0.896	0.856	.05	4.5	20	120	0
2-Chloronaphthalene	0.753	0.713	.05	5.3	20	118	0
2,6-Dinitrotoluene	0.162	0.154	.05	4.9	20	113	0
Acenaphthylene	1.266	1.188	.05	6.2	20	114	0
Acenaphthene-d10	1	1	.05	0	20	117	0
Acenaphthene	1.324	1.24	.05	6.3	20	113	0
2,4-Dinitrotoluene	0.363	0.371	.05	-2.2	20	114	0
Fluorene	1.596	1.528	.05	4.3	20	114	0
2,4,6-Tribromophenol	0.23	0.257	.05	-11.7	20	128	0
Phenanthrene-d10	1	1	.05	0	20	121	0
4,6-Dinitro-o-cresol	1000	971.286	.05	2.9	20	129	0
Hexachlorobenzene	0.282	0.263	.05	6.7	20	119	0
Pentachlorophenol	1000	1069.979	.05	-7	20	137	0
Phenanthrene	1.21	1.13	.05	6.6	20	118	0
Anthracene	1.222	1.184	.05	3.1	20	117	0
Fluoranthene	1.594	1.596	.05	-0.1	20	121	0
Pyrene	1.677	1.634	.05	2.6	20	117	0
Benzidine	1000	651.241	.05	34.9*	20	79	0
4-Terphenyl-d14	1.106	1.12	.05	-1.3	20	121	0
Chrysene-d12	1	1	.05	0	20	127	0
Benzo[a]anthracene	1000	951.804	.05	4.8	20	120	0
3,3'-Dichlorobenzidine	0.534	0.548	.05	-2.6	20	119	0
Chrysene	1.304	1.274	.05	2.3	20	123	0
Bis(2-ethylhexyl)phthalate	0.716	0.708	.05	1.1	20	121	0
Perylene-d12	1	1	.05	0	20	125	0
Benzo[b]fluoranthene	1.105	1.121	.05	-1.4	20	116	0
Benzo[k]fluoranthene	1.278	1.36	.05	-6.4	20	128	0
Benzo[a]pyrene	1.05	1.092	.05	-4	20	117	0
Indeno[1,2,3-cd]pyrene	1000	825.084	.05	17.5	20	103	0
Dibenzo[a,h]anthracene	1000	871.618	.05	12.8	20	108	0

* Value outside of QC limits.



Calibration Verification Summary
Form 7
Semivolatiles

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Instrument ID	: SV119	Calibration Date	: 06/26/25 21:31
Lab File ID	: CCV0626	Init. Calib. Date(s)	: 06/25/25 06/25/25
Sample No	: WG2084091-3	Init. Calib. Times	: 20:07 22:41
Channel	:		

Compound	Ave. RRF	RRF	Min RRF	%D	Max %D	Area%	Dev(min)
Benzo[g,h,i]perylene	0.975	1.029	.05	-5.5	20	118	-.02

* Value outside of QC limits.



Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\sv119\250626RVT\
 Data File : ccv0626.D
 Acq On : 26 Jun 2025 09:31 pm
 Operator : sv119:slr
 Sample : WG2084091-3,32,,ICV 11696 (0622)
 Misc : WG2084091,,ICAL22426
 ALS Vial : 49 Sample Multiplier: 1

Quant Time: Jun 27 10:04:59 2025
 Quant Method : I:\8270SIM\sv119\250626RVT\SIM-RVT_250625_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Jun 27 10:05:57 2025
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1 i	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	129	0.00
2 T	N-Nitrosodimethylamine	0.682	0.656	3.8	124	0.01
3 s	2-Fluorophenol	1.156	1.162	-0.5	136	0.01
4 s	Phenol-d6	1.436	1.493	-4.0	135	0.00
5 T	Bis(2-chloroethyl)ether	1.247	1.118	10.3	122	0.00
6 T	n-nitrosodi-n-propylamine	0.929	0.848	8.7	118	0.00
7 t	Hexachloroethane	0.514	0.490	4.7	124	0.00
8 s	Nitrobenzene-d5	1.315	1.206	8.3	121	0.00
9 i	Naphthalene-d8	1.000	1.000	0.0	124	0.00
10 t	Naphthalene	1.086	0.990	8.8	119	0.00
11 t	Hexachlorobutadiene	0.204	0.193	5.4	121	0.00
12 t	2-Methylnaphthalene	0.692	0.643	7.1	122	0.00
13 t	1-Methylnaphthalene	0.700	0.659	5.9	119	0.00
14 s	2-Fluorobiphenyl	0.896	0.856	4.5	120	0.00
15 t	2-Chloronaphthalene	0.753	0.713	5.3	118	0.00
16 t	2,6-Dinitrotoluene	0.162	0.154	4.9	113	0.00
17 t	Acenaphthylene	1.266	1.188	6.2	114	0.00
18 i	Acenaphthene-d10	1.000	1.000	0.0	117	0.00
19 t	Acenaphthene	1.324	1.240	6.3	113	0.00
20 t	2,4-Dinitrotoluene	0.363	0.371	-2.2	114	0.00
21 t	Fluorene	1.596	1.528	4.3	114	0.00
22 s	2,4,6-Tribromophenol	0.230	0.257	-11.7	128	0.00
23 i	Phenanthrene-d10	1.000	1.000	0.0	121	0.00
24 T	4,6-Dinitro-o-cresol	*1000.000	971.286	2.9	129	0.00
25 t	Hexachlorobenzene	0.282	0.263	6.7	119	0.00
26 t	Pentachlorophenol	*1000.000	1069.979	-7.0	137	0.00
27 t	Phenanthrene	1.210	1.130	6.6	118	0.00
28 t	Anthracene	1.222	1.184	3.1	117	0.00
29 t	Fluoranthene	1.594	1.596	-0.1	121	0.00
30 t	Pyrene	1.677	1.634	2.6	117	0.00
31 T	Benzidine	*1000.000	651.241	34.9#	79	0.00
32 s	4-Terphenyl-d14	1.106	1.120	-1.3	121	0.00
33 i	Chrysene-d12	1.000	1.000	0.0	127	0.00
34 t	Benzo[a]anthracene	*1000.000	951.804	4.8	120	0.00
35 t	3,3'-Dichlorobenzidine	0.534	0.548	-2.6	119	0.00

Evaluate Continuing Calibration Report

Data Path : I:\8270SIM\sv119\250626RVT\
 Data File : ccv0626.D
 Acq On : 26 Jun 2025 09:31 pm
 Operator : sv119:slr
 Sample : WG2084091-3,32,,ICV 11696 (0622)
 Misc : WG2084091,,ICAL22426
 ALS Vial : 49 Sample Multiplier: 1

Quant Time: Jun 27 10:04:59 2025
 Quant Method : I:\8270SIM\sv119\250626RVT\SIM-RVT_250625_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Jun 27 10:05:57 2025
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
 Max. RRF Dev : 20% Max. Rel. Area : 200%

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
36 t	Chrysene	1.304	1.274	2.3	123	0.00
37 T	Bis(2-ethylhexyl)phthalate	0.716	0.708	1.1	121	0.00
38 i	Perylene-d12	1.000	1.000	0.0	125	0.00
39 t	Benzo[b]fluoranthene	1.105	1.121	-1.4	116	0.00
40 t	Benzo[k]fluoranthene	1.278	1.360	-6.4	128	0.00
41 t	Benzo[a]pyrene	1.050	1.092	-4.0	117	0.00
42 t	Indeno[1,2,3-cd]pyrene	*1000.000	825.084	17.5	103	0.00
43 t	Dibenzo[a,h]anthracene	*1000.000	871.618	12.8	108	0.00
44 t	Benzo[g,h,i]perylene	0.975	1.029	-5.5	118	-0.02

* Evaluation of CC level amount vs concentration.
 (#) = Out of Range SPCC's out = 0 CCC's out = 0

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250626RVT\
 Data File : ccv0626.D
 Acq On : 26 Jun 2025 09:31 pm
 Operator : sv119:slr
 Sample : WG2084091-3,32,,ICV 11696 (0622)
 Misc : WG2084091,,ICAL22426
 ALS Vial : 49 Sample Multiplier: 1

Quant Time: Jun 27 10:04:59 2025
 Quant Method : I:\8270SIM\sv119\250626RVT\SIM-RVT_250625_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Jun 27 10:05:57 2025
 Response via : Initial Calibration

Sub List : Default - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.363	152	185566	4000.000	ng/ml	0.00
9) Naphthalene-d8	3.025	136	705213	4000.000	ng/ml	0.00
18) Acenaphthene-d10	3.998	164	406672	4000.000	ng/ml	0.00
23) Phenanthrene-d10	4.841	188	872131	4000.000	ng/ml	0.00
33) Chrysene-d12	6.444	240	1108620	4000.000	ng/ml	0.00
38) Perylene-d12	7.759	264	1141279	4000.000	ng/ml	0.00
System Monitoring Compounds						
3) 2-Fluorophenol	1.766	112	53890	1004.982	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery =	50.25%		
4) Phenol-d6	2.164	99	69247	1039.650	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery =	51.98%		
8) Nitrobenzene-d5	2.641	82	55963	917.549	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery =	91.75%		
14) 2-Fluorobiphenyl	3.617	172	150940	955.154	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery =	95.52%		
22) 2,4,6-Tribromophenol	4.440	330	26168	1120.729	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery =	56.04%		
32) 4-Terphenyl-d14	5.767	244	244288	1013.188	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery =	101.32%		
Target Compounds						
					Qvalue	
2) N-Nitrosodimethylamine	1.309	74	30441	961.830	ng/mL	82
5) Bis(2-chloroethyl)ether	2.223	93	51867	896.280	ng/ml	98
6) n-nitrosodi-n-propylamine	2.559	70	39353	912.766	ng/ml	100
7) Hexachloroethane	2.623	117	22739	954.398	ng/ml	98
10) Naphthalene	3.036	128	174618	911.738	ng/ml	100
11) Hexachlorobutadiene	3.108	225	34114	949.548	ng/ml	100
12) 2-Methylnaphthalene	3.413	142	113276	928.554	ng/ml	100
13) 1-Methylnaphthalene	3.468	142	116151	941.427	ng/ml	100
15) 2-Chloronaphthalene	3.684	162	125744	946.622	ng/ml	98
16) 2,6-Dinitrotoluene	3.872	165	27233	950.751	ng/ml	98
17) Acenaphthylene	3.917	152	209384	938.363	ng/ml	100
19) Acenaphthene	4.016	153	126087	936.387	ng/ml	98
20) 2,4-Dinitrotoluene	4.100	165	37698	1021.160	ng/ml	99
21) Fluorene	4.307	166	155359	957.404	ng/ml	100
24) 4,6-Dinitro-o-cresol	4.330	198	21577	971.286	ng/ml	99
25) Hexachlorobenzene	4.625	284	57240	930.979	ng/ml	96
26) Pentachlorophenol	4.732	266	26996	1069.979	ng/ml	99
27) Phenanthrene	4.854	178	246418	934.118	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250626RVT\
 Data File : ccv0626.D
 Acq On : 26 Jun 2025 09:31 pm
 Operator : sv119:slr
 Sample : WG2084091-3,32,,ICV 11696 (0622)
 Misc : WG2084091,,ICAL22426
 ALS Vial : 49 Sample Multiplier: 1

Quant Time: Jun 27 10:04:59 2025
 Quant Method : I:\8270SIM\sv119\250626RVT\SIM-RVT_250625_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Fri Jun 27 10:05:57 2025
 Response via : Initial Calibration

Sub List : Default - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

28)	Anthracene	4.882	178	258089	968.829	ng/ml	100
29)	Fluoranthene	5.539	202	348012	1001.572	ng/ml	100
30)	Pyrene	5.673	202	356368	974.601	ng/ml	100
31)	Benzidine	5.613	184	111283	651.241	ng/mL	99
34)	Benzo[a]anthracene	6.434	228	359351	951.804	ng/ml	100
35)	3,3'-Dichlorobenzidine	6.415	252	151879	1026.404	ng/ml	100
36)	Chrysene	6.461	228	353064	977.023	ng/ml	99
37)	Bis(2-ethylhexyl)phtha...	6.457	149	196166	988.607	ng/ml	99
39)	Benzo[b]fluoranthene	7.349	252	319959	1014.661	ng/ml	98
40)	Benzo[k]fluoranthene	7.375	252	388090M1	1064.132	ng/ml	
41)	Benzo[a]pyrene	7.688	252	311665	1040.293	ng/ml	100
42)	Indeno[1,2,3-cd]pyrene	9.073	276	219696	825.084	ng/ml	98
43)	Dibenzo[a,h]anthracene	9.111	278	238425M6	871.618	ng/ml	
44)	Benzo[g,h,i]perylene	9.442	276	293460M1	1054.603	ng/ml	

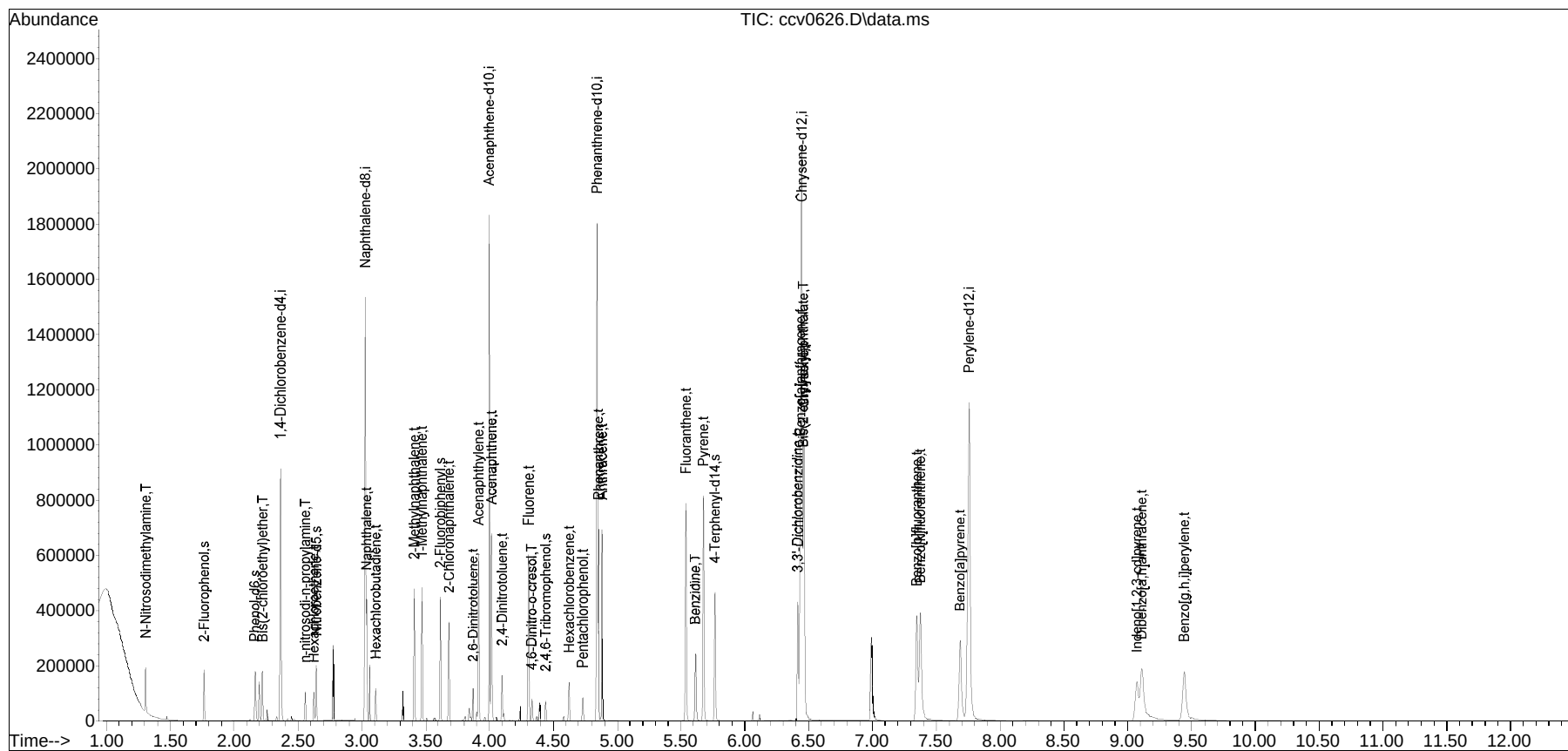
(#) = qualifier out of range (m) = manual integration (+) = signals summed

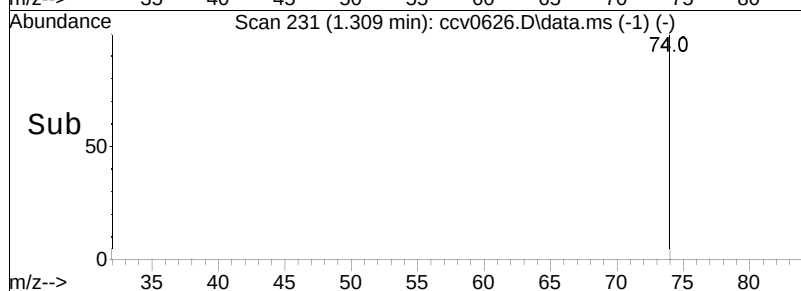
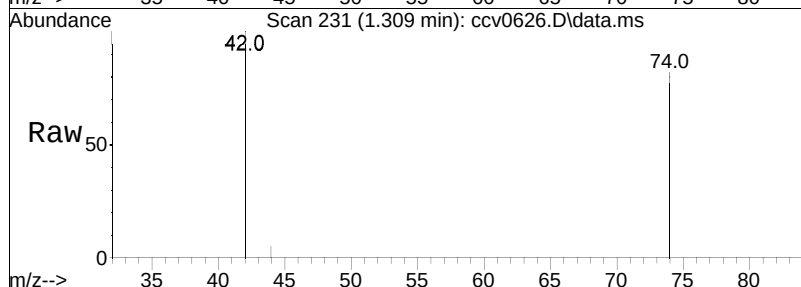
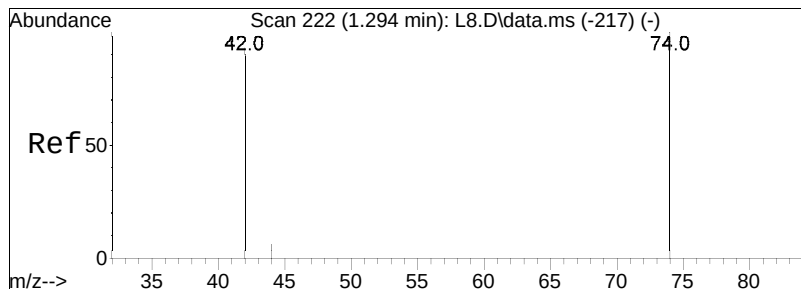
(QT Reviewed)

Data Path : I:\8270SIM\sv119\250626RVT\
Data File : ccv0626.D
Acq On : 26 Jun 2025 09:31 pm
Operator : sv119:slr
Sample : WG2084091-3,32,,ICV 11696 (0622)
Misc : WG2084091,,ICAL22426
ALS Vial : 49 Sample Multiplier: 1

Quant Time: Jun 27 10:04:59 2025
Quant Method : I:\8270SIM\sv119\250626RVT\SIM-RVT_250625_sv119.M
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Fri Jun 27 10:05:57 2025
Response via : Initial Calibration

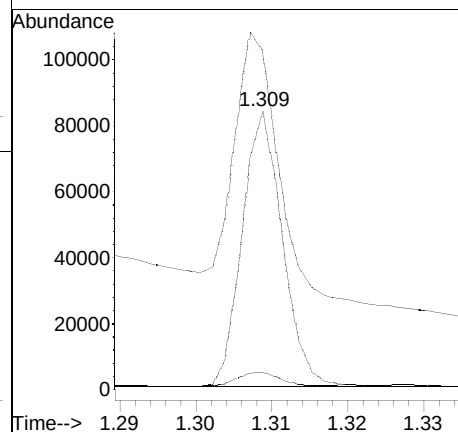
Sub List : Default - All compounds listed

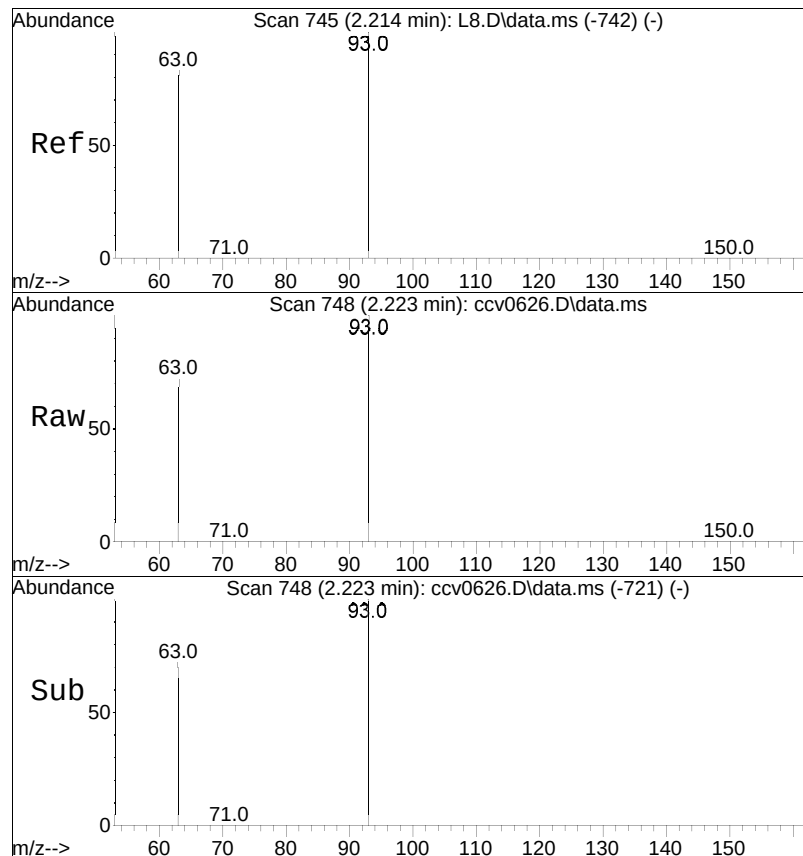




#2
 N-Nitrosodimethylamine
 Concen: 961.83 ng/mL
 RT: 1.309 min Scan# 231
 Delta R.T. -0.000 min
 Lab File: ccv0626.D
 Acq: 26 Jun 2025 09:31 pm

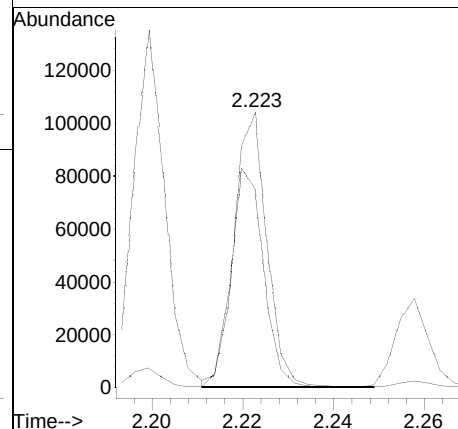
Tgt Ion: 74 Resp: 30441
 Ion Ratio Lower Upper
 74 100
 42 406.9 293.4 440.0
 44 5.6 4.3 6.5

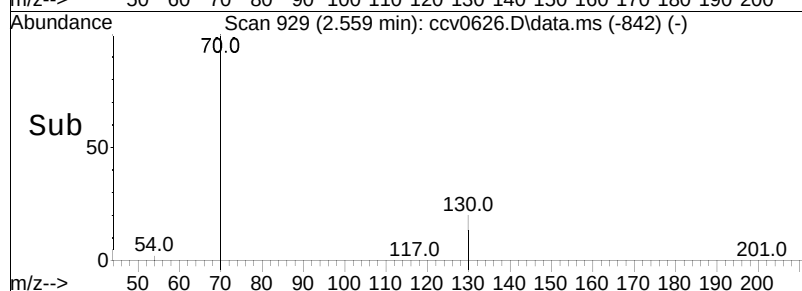
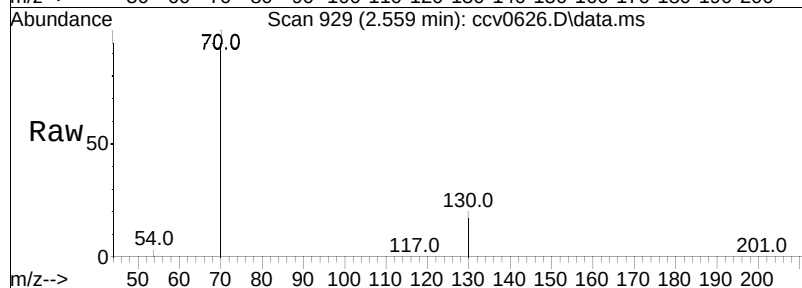
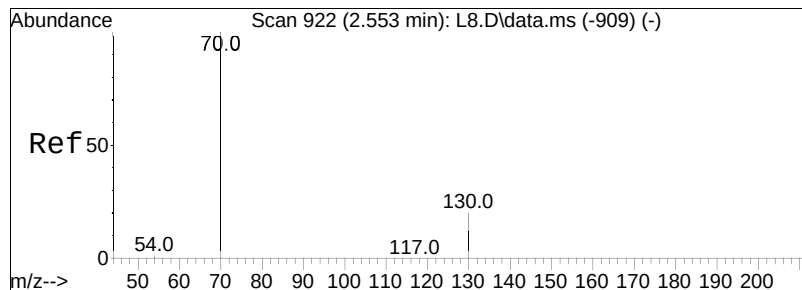




#5
 Bis(2-chloroethyl)ether
 Concen: 896.28 ng/ml
 RT: 2.223 min Scan# 748
 Delta R.T. -0.000 min
 Lab File: ccv0626.D
 Acq: 26 Jun 2025 09:31 pm

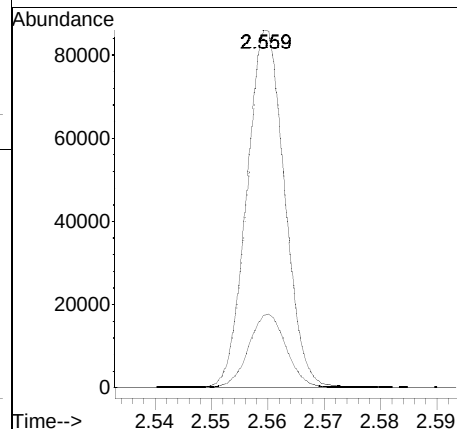
Tgt Ion	Ratio	Lower	Upper
93	100		
63	80.0	62.9	94.3

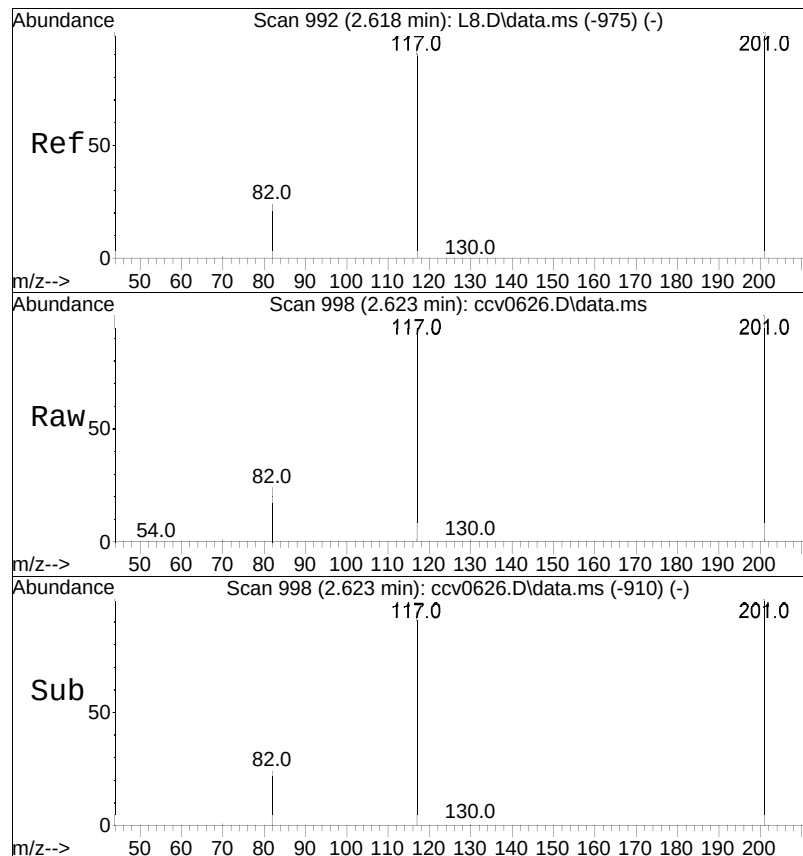




#6
 n-nitrosodi-n-propylamine
 Concen: 912.77 ng/ml
 RT: 2.559 min Scan# 929
 Delta R.T. 0.000 min
 Lab File: ccv0626.D
 Acq: 26 Jun 2025 09:31 pm

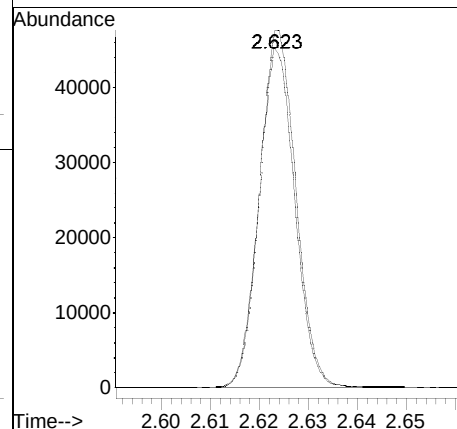
Tgt Ion	Ratio	Lower	Upper
70	100		
130	20.4	16.4	24.6

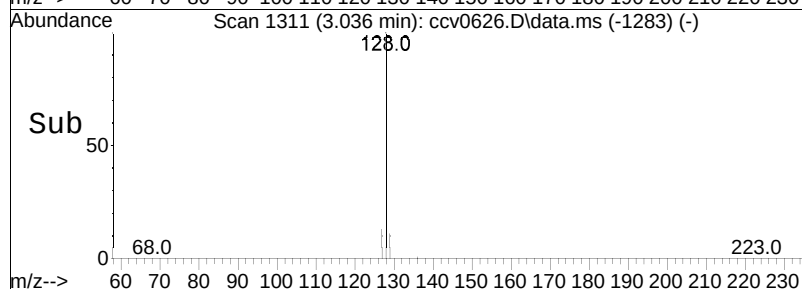
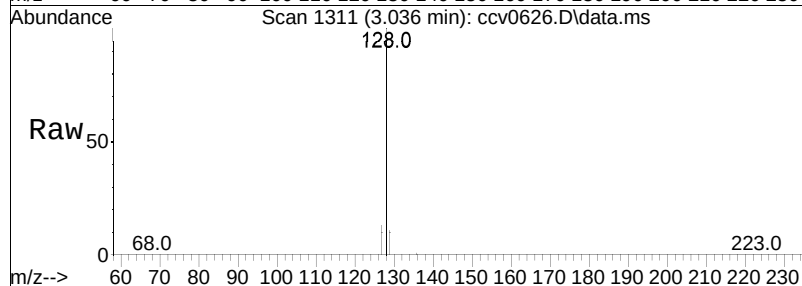
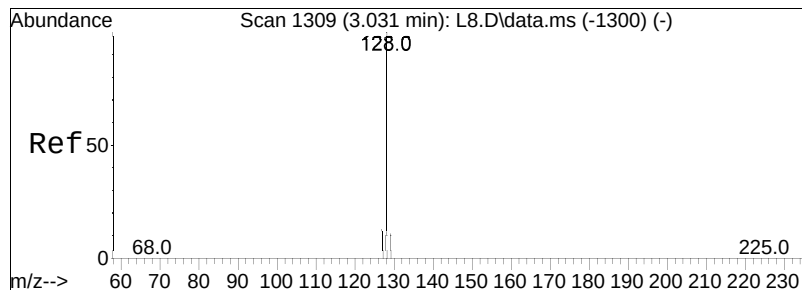




#7
 Hexachloroethane
 Concen: 954.40 ng/ml
 RT: 2.623 min Scan# 998
 Delta R.T. 0.000 min
 Lab File: ccv0626.D
 Acq: 26 Jun 2025 09:31 pm

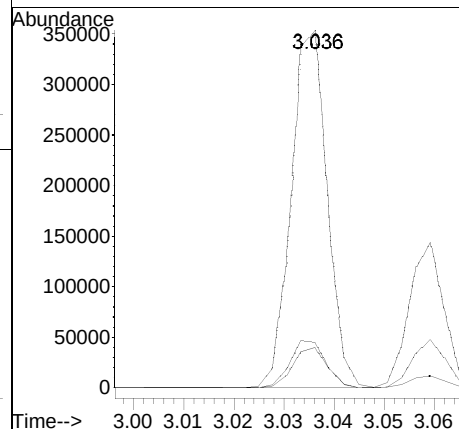
Tgt Ion	Ratio	Lower	Upper
117	100		
201	106.0	82.9	124.3

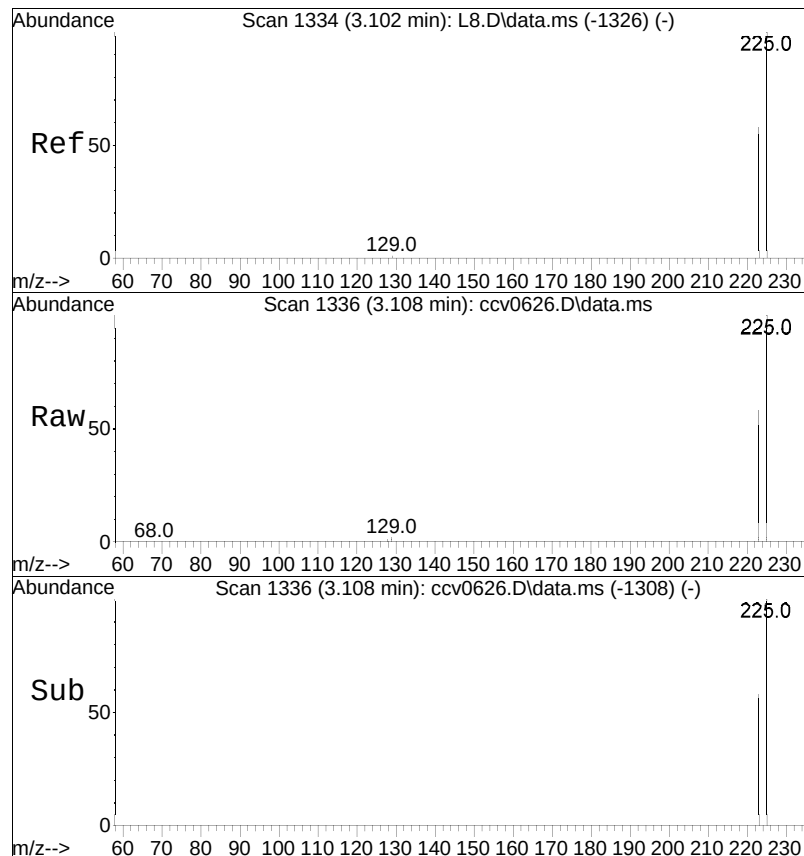




#10
Naphthalene
Concen: 911.74 ng/ml
RT: 3.036 min Scan# 1311
Delta R.T. 0.000 min
Lab File: ccv0626.D
Acq: 26 Jun 2025 09:31 pm

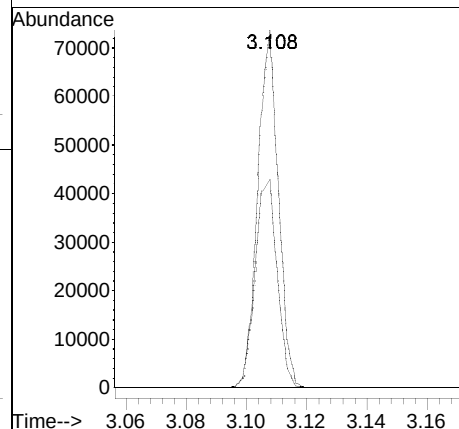
Tgt Ion	Ratio	Resp	Lower	Upper
128	100	174618		
129	11.0		8.8	13.2
127	13.3		10.6	15.8

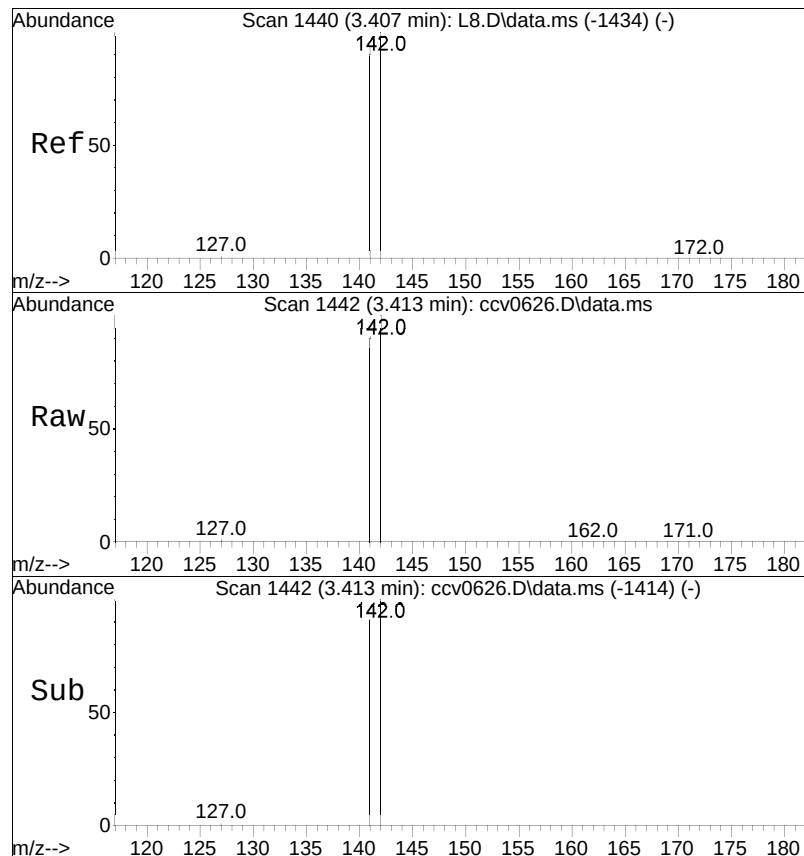




#11
 Hexachlorobutadiene
 Concen: 949.55 ng/ml
 RT: 3.108 min Scan# 1336
 Delta R.T. -0.000 min
 Lab File: ccv0626.D
 Acq: 26 Jun 2025 09:31 pm

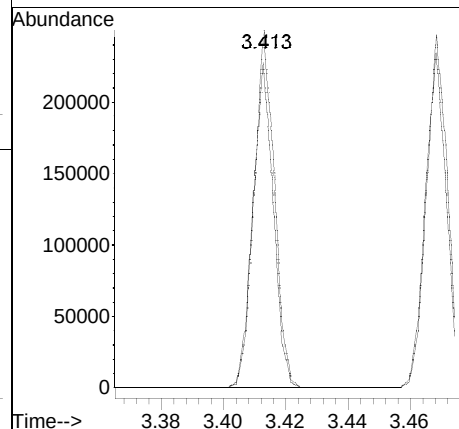
Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.6	50.2	75.4

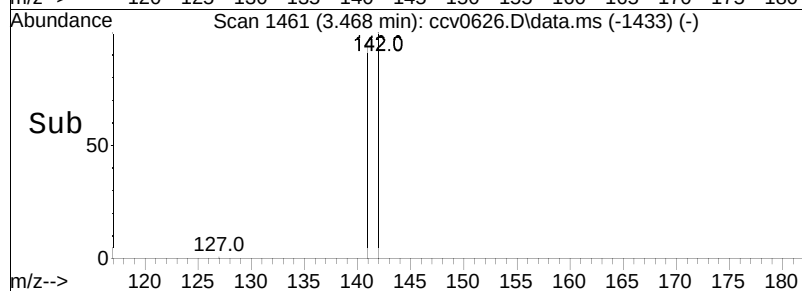
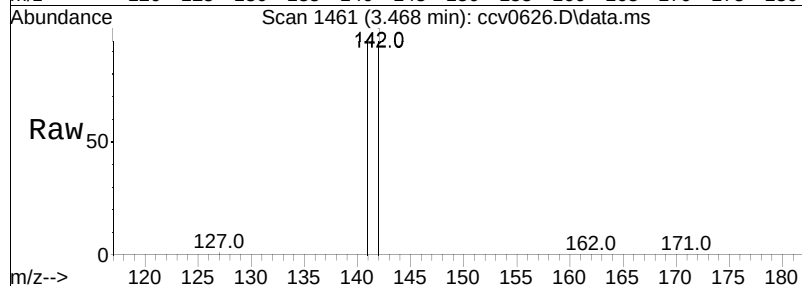
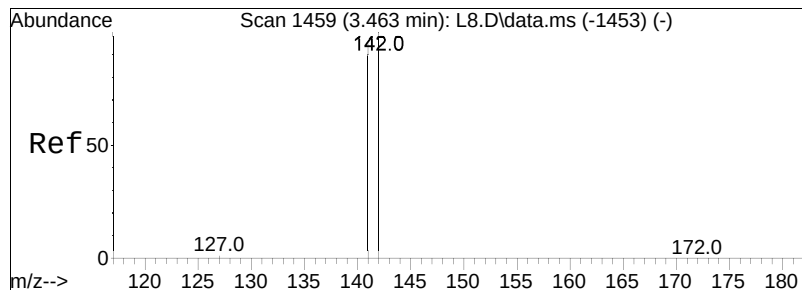




#12
 2-Methylnaphthalene
 Concen: 928.55 ng/ml
 RT: 3.413 min Scan# 1442
 Delta R.T. 0.000 min
 Lab File: ccv0626.D
 Acq: 26 Jun 2025 09:31 pm

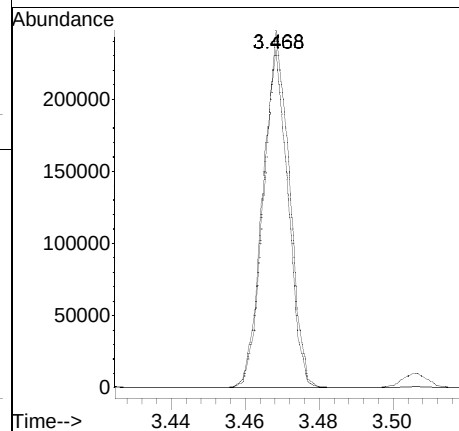
Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.7	73.6	110.4

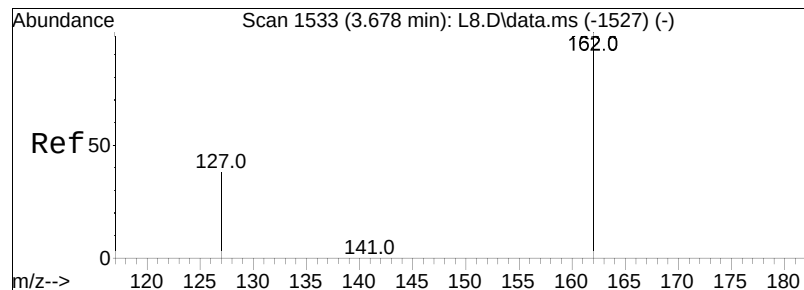




#13
 1-Methylnaphthalene
 Concen: 941.43 ng/ml
 RT: 3.468 min Scan# 1461
 Delta R.T. 0.000 min
 Lab File: ccv0626.D
 Acq: 26 Jun 2025 09:31 pm

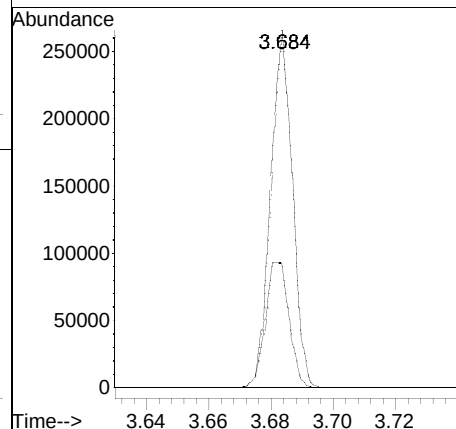
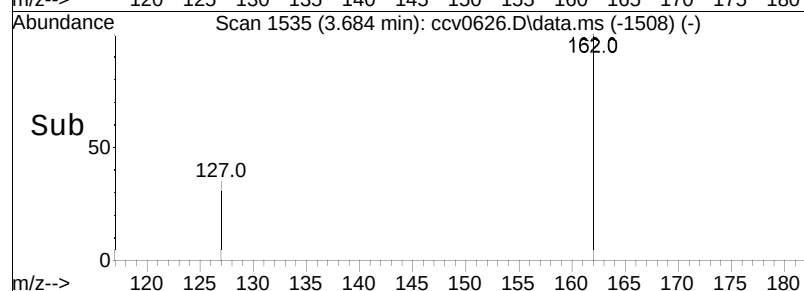
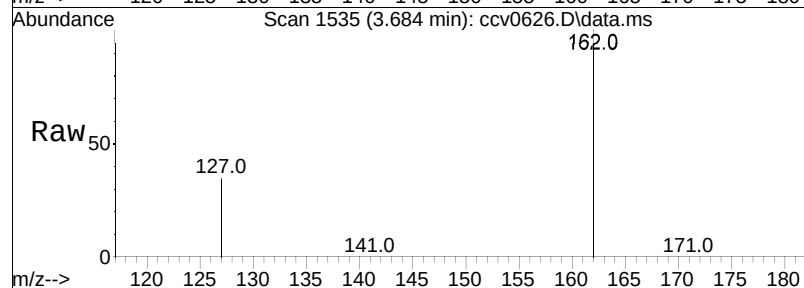
Tgt Ion	Ratio	Lower	Upper
142	100		
141	95.1	76.0	114.0

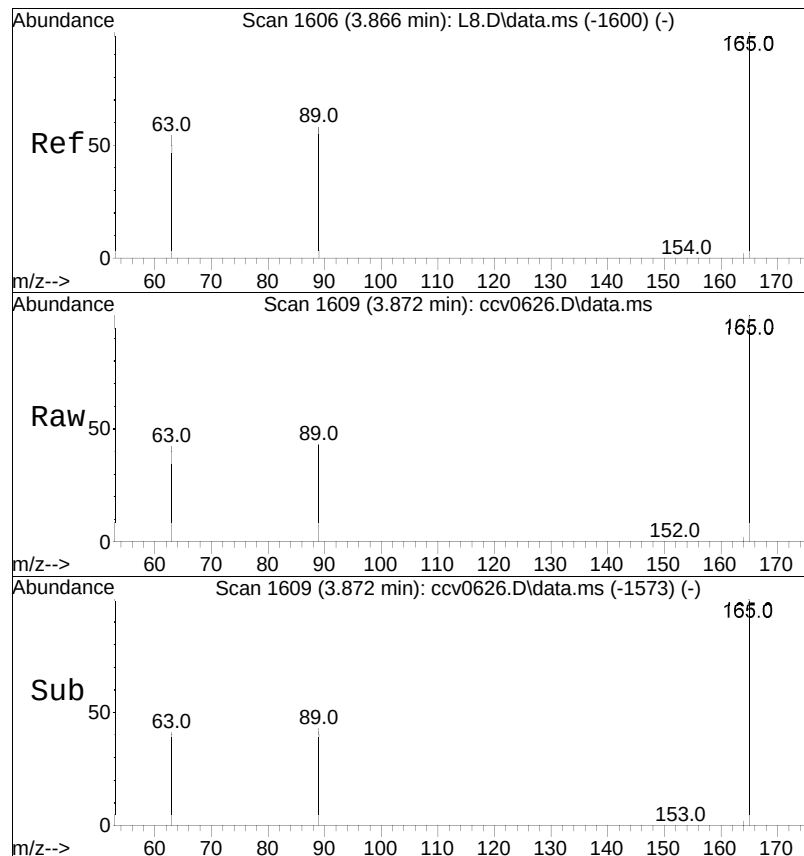




#15
 2-Chloronaphthalene
 Concen: 946.62 ng/ml
 RT: 3.684 min Scan# 1535
 Delta R.T. -0.000 min
 Lab File: ccv0626.D
 Acq: 26 Jun 2025 09:31 pm

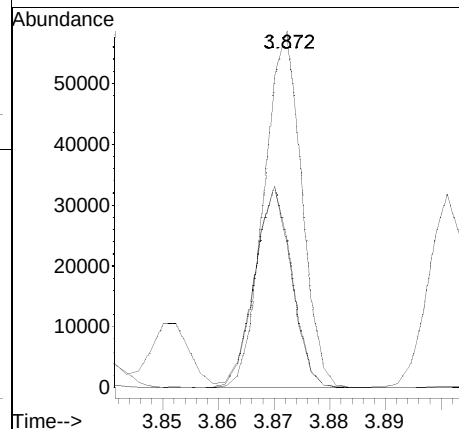
Tgt Ion	Ratio	Lower	Upper
162	100		
127	38.5	29.8	44.8

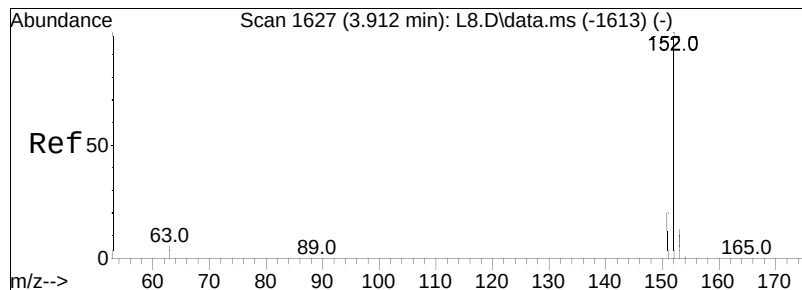




#16
 2,6-Dinitrotoluene
 Concen: 950.75 ng/ml
 RT: 3.872 min Scan# 1609
 Delta R.T. 0.000 min
 Lab File: ccv0626.D
 Acq: 26 Jun 2025 09:31 pm

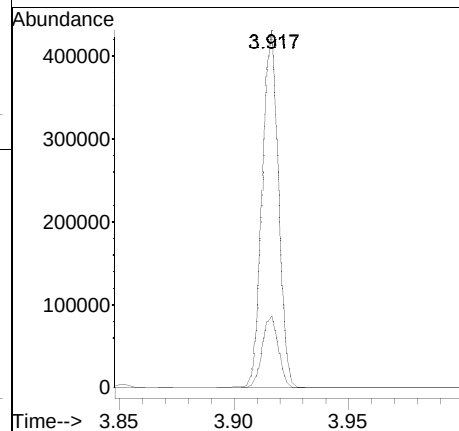
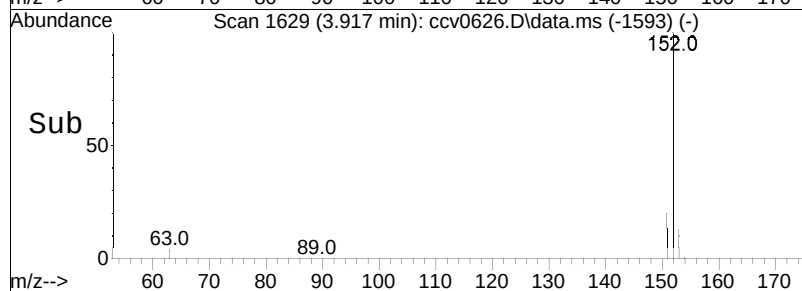
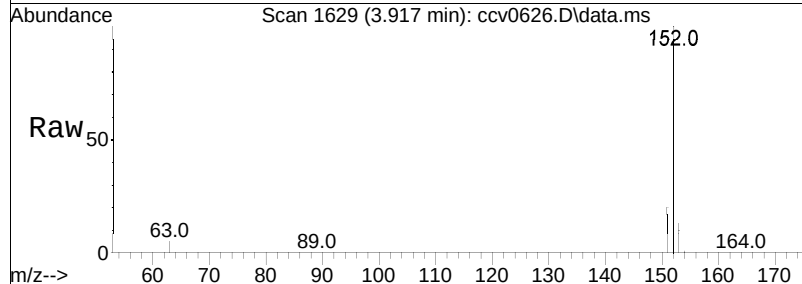
Tgt	Ion:165	Resp:	27233
Ion	Ratio	Lower	Upper
165	100		
89	55.8	45.6	68.4
63	55.4	45.4	68.2

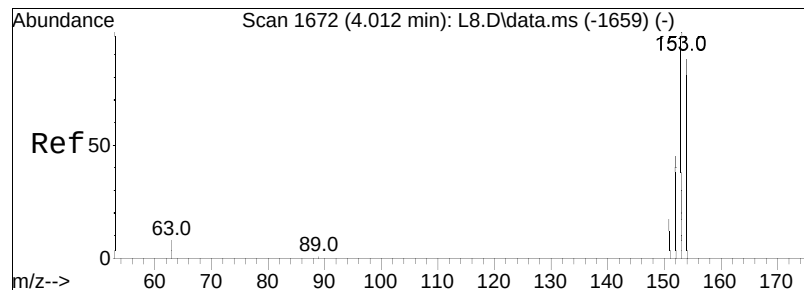




#17
 Acenaphthylene
 Concen: 938.36 ng/ml
 RT: 3.917 min Scan# 1629
 Delta R.T. -0.000 min
 Lab File: ccv0626.D
 Acq: 26 Jun 2025 09:31 pm

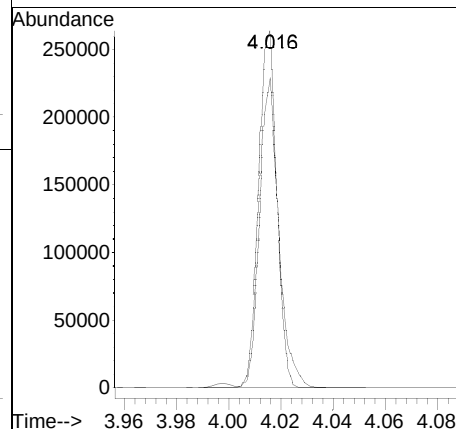
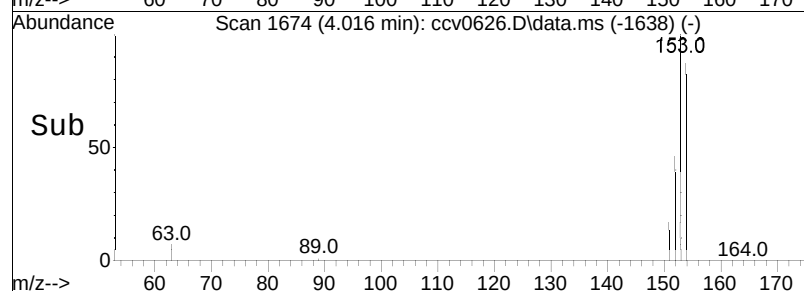
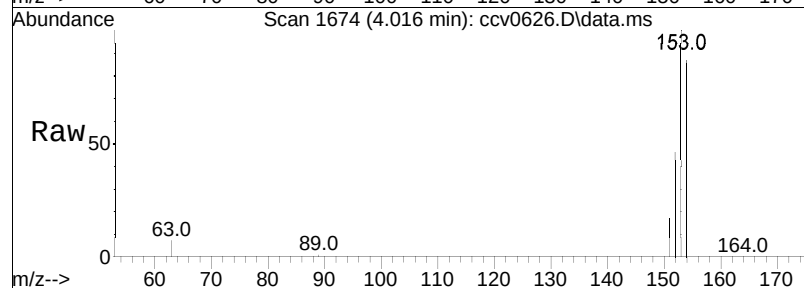
Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.2	24.2

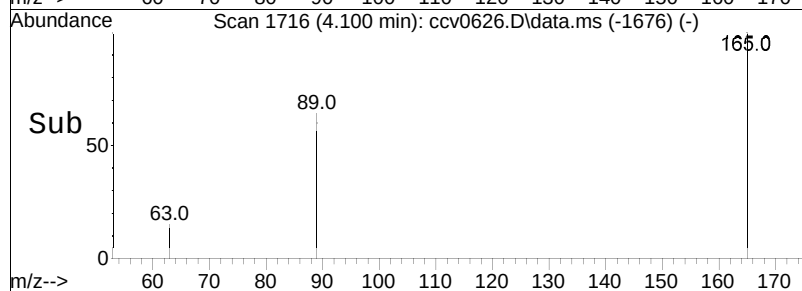
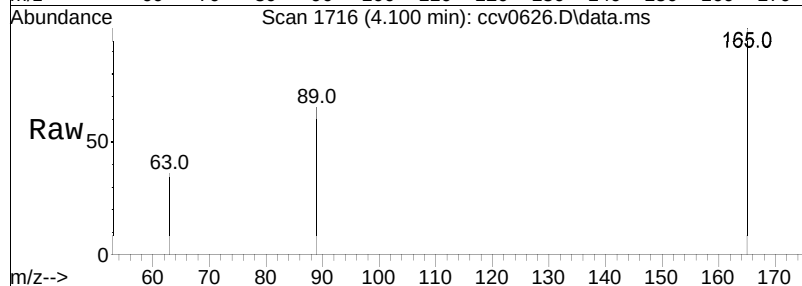
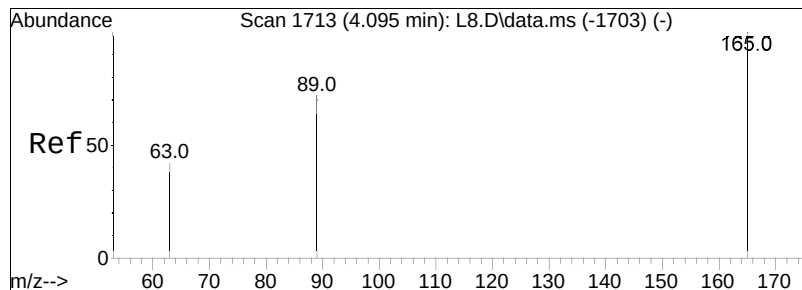




#19
 Acenaphthene
 Concen: 936.39 ng/ml
 RT: 4.016 min Scan# 1674
 Delta R.T. -0.000 min
 Lab File: ccv0626.D
 Acq: 26 Jun 2025 09:31 pm

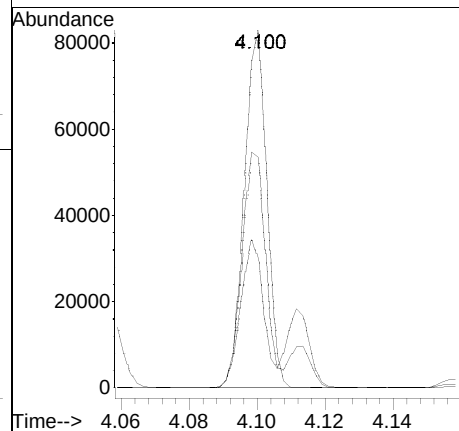
Tgt Ion	Ratio	Lower	Upper
153	100		
154	91.5	72.0	108.0

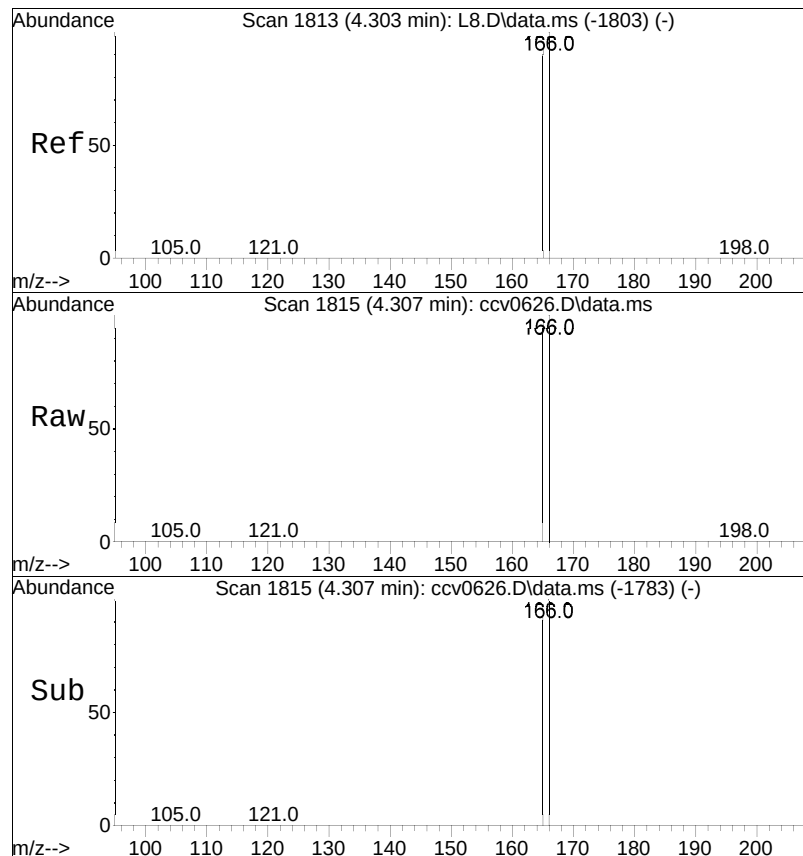




#20
 2,4-Dinitrotoluene
 Concen: 1021.16 ng/ml
 RT: 4.100 min Scan# 1716
 Delta R.T. 0.000 min
 Lab File: ccv0626.D
 Acq: 26 Jun 2025 09:31 pm

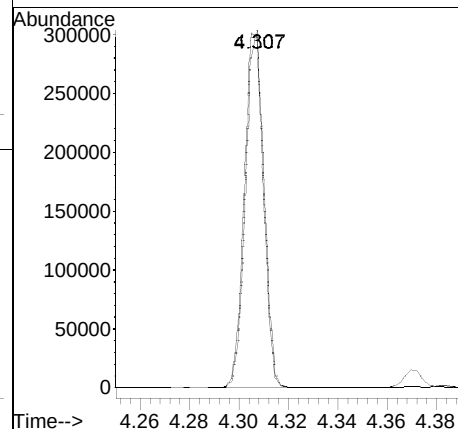
Tgt Ion	Ratio	Lower	Upper
165	100		
89	69.9	56.6	85.0
63	42.5	35.0	52.6

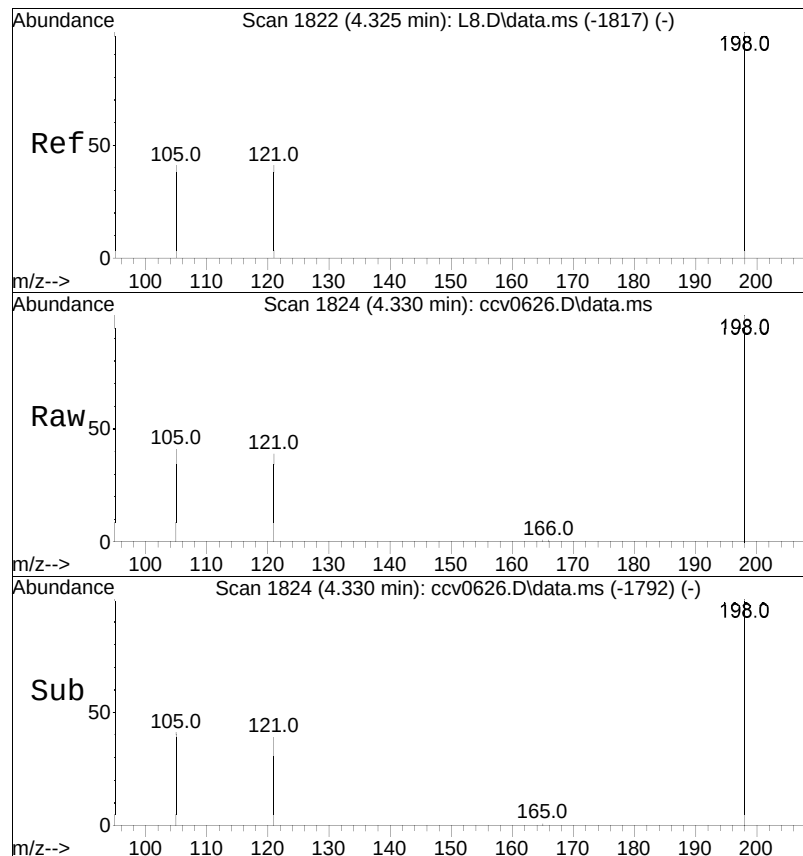




#21
 Fluorene
 Concen: 957.40 ng/ml
 RT: 4.307 min Scan# 1815
 Delta R.T. 0.000 min
 Lab File: ccv0626.D
 Acq: 26 Jun 2025 09:31 pm

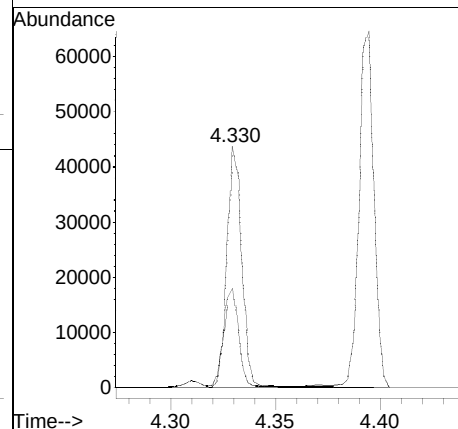
Tgt Ion	Ratio	Lower	Upper
166	100		
165	102.0	81.5	122.3

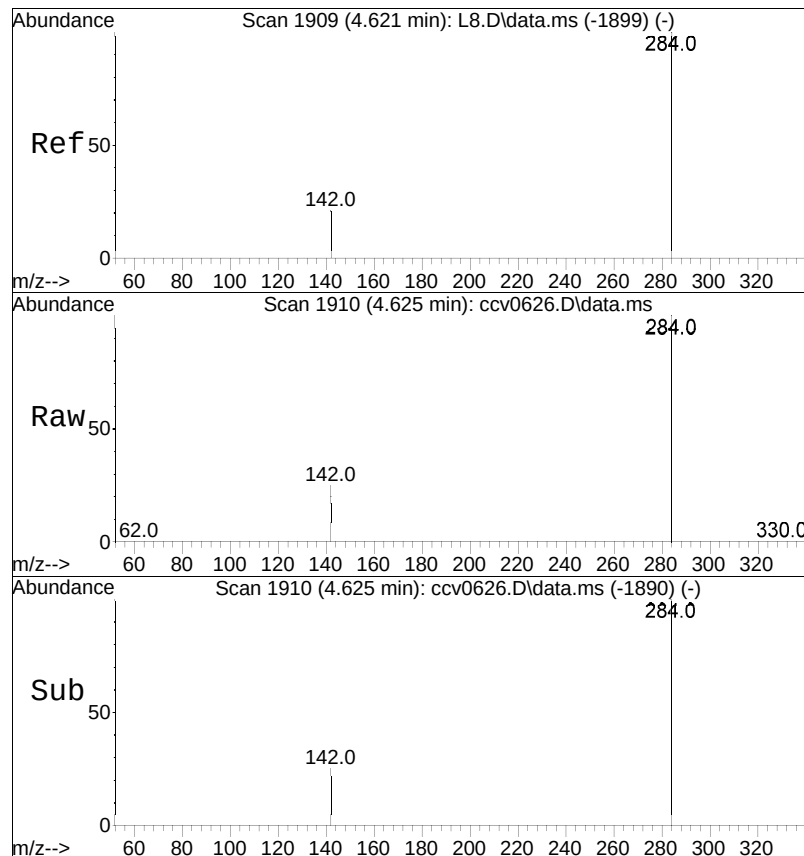




#24
 4,6-Dinitro-o-cresol
 Concen: 971.29 ng/ml
 RT: 4.330 min Scan# 1824
 Delta R.T. -0.000 min
 Lab File: ccv0626.D
 Acq: 26 Jun 2025 09:31 pm

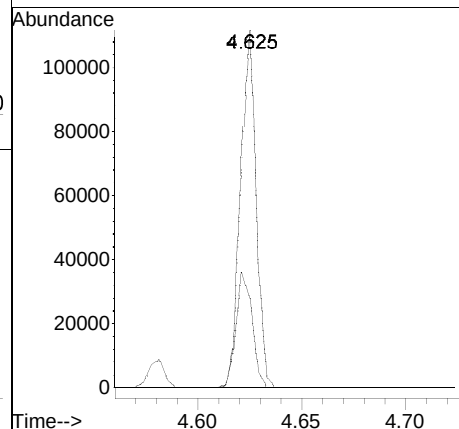
Tgt Ion	Ratio	Lower	Upper
198	100		
105	40.6	32.1	48.1

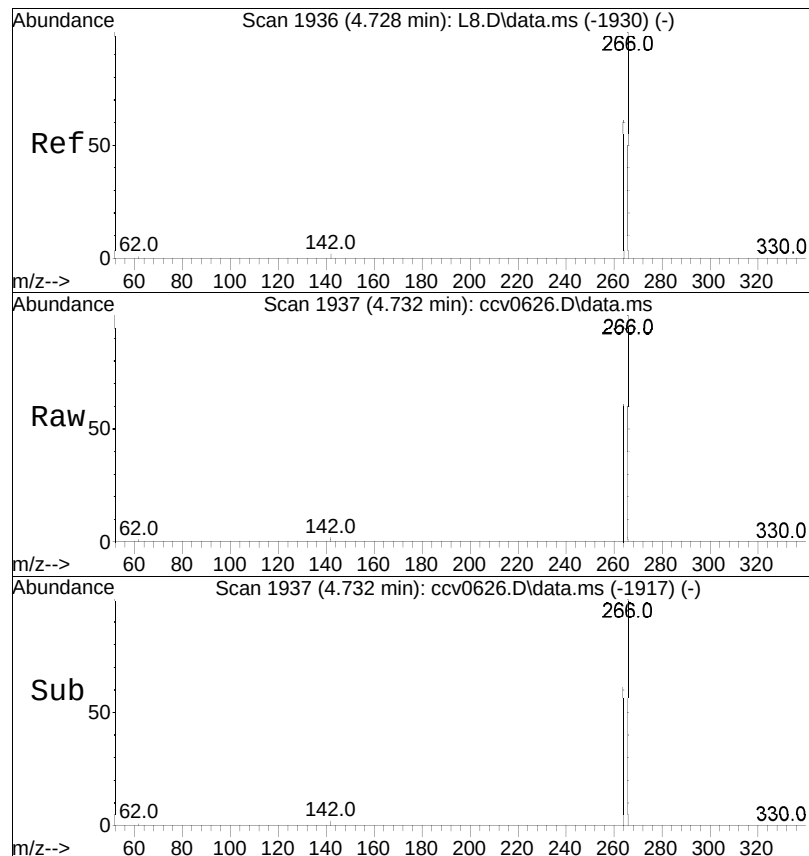




#25
 Hexachlorobenzene
 Concen: 930.98 ng/ml
 RT: 4.625 min Scan# 1910
 Delta R.T. 0.000 min
 Lab File: ccv0626.D
 Acq: 26 Jun 2025 09:31 pm

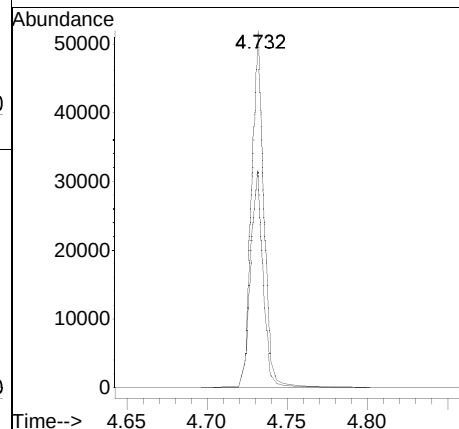
Tgt	Ion	Ratio	Lower	Upper
284	100			
142	33.6	28.8	43.2	

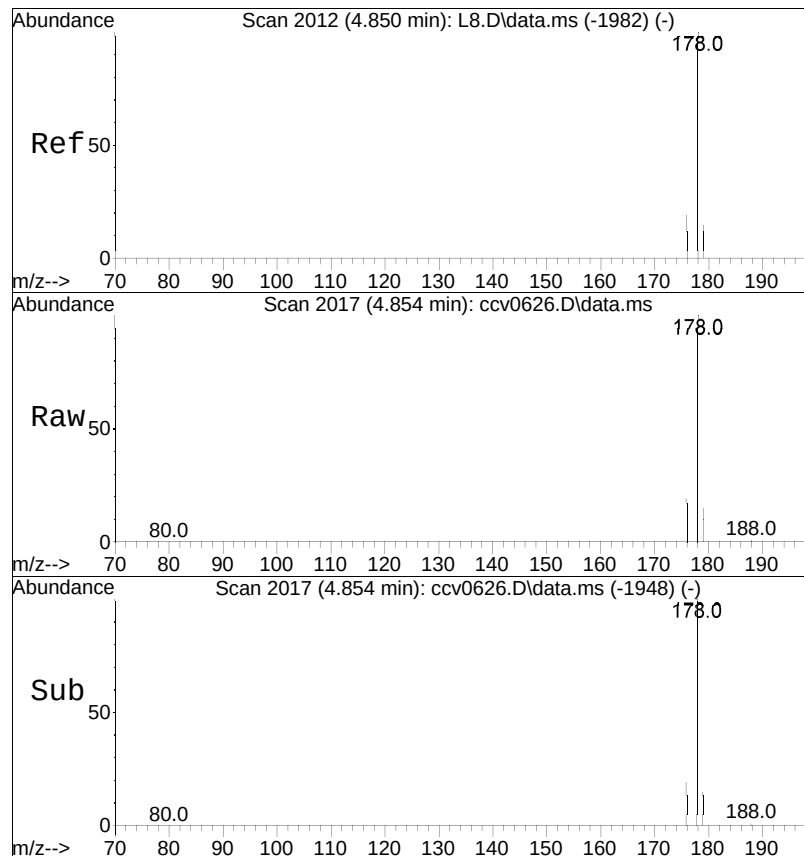




#26
 Pentachlorophenol
 Concen: 1069.98 ng/ml
 RT: 4.732 min Scan# 1937
 Delta R.T. -0.000 min
 Lab File: ccv0626.D
 Acq: 26 Jun 2025 09:31 pm

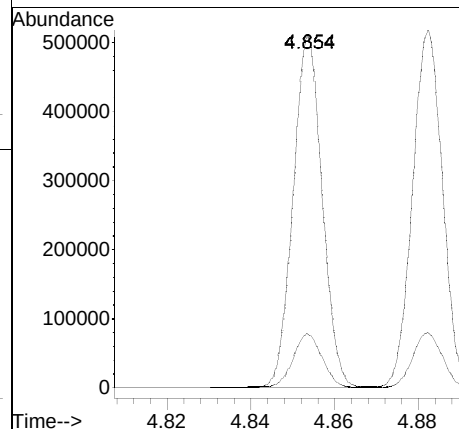
Tgt Ion	Ratio	Lower	Upper
266	100		
264	62.6	50.6	76.0

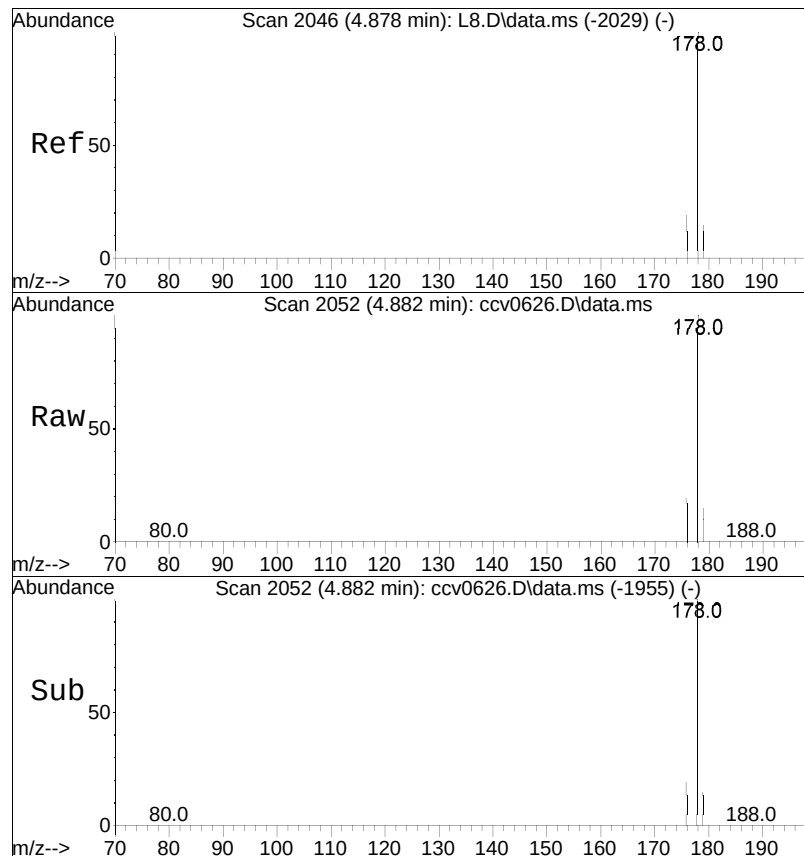




#27
 Phenanthrene
 Concen: 934.12 ng/ml
 RT: 4.854 min Scan# 2017
 Delta R.T. -0.000 min
 Lab File: ccv0626.D
 Acq: 26 Jun 2025 09:31 pm

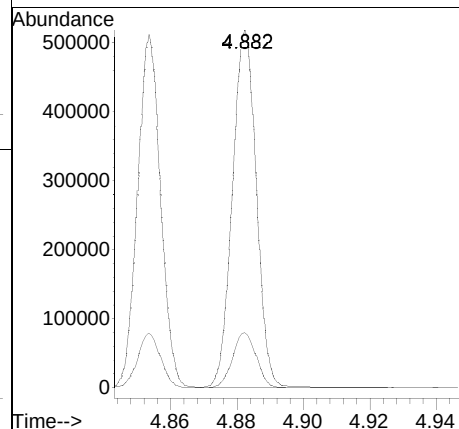
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.4	18.6

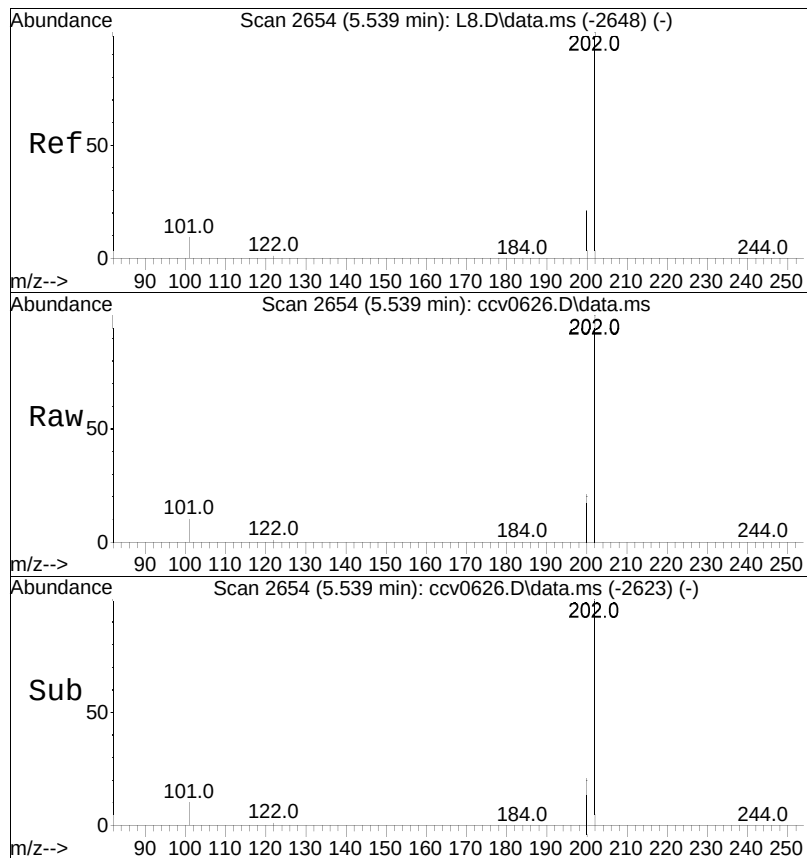




#28
 Anthracene
 Concen: 968.83 ng/ml
 RT: 4.882 min Scan# 2052
 Delta R.T. 0.000 min
 Lab File: ccv0626.D
 Acq: 26 Jun 2025 09:31 pm

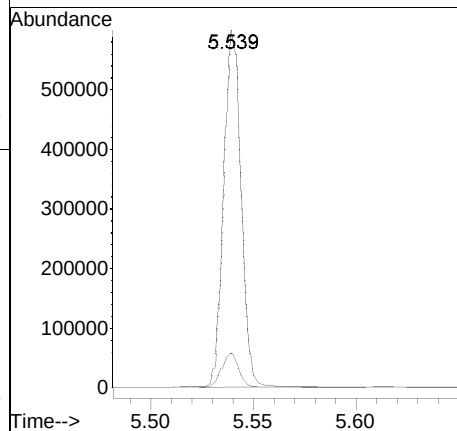
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.2	18.2

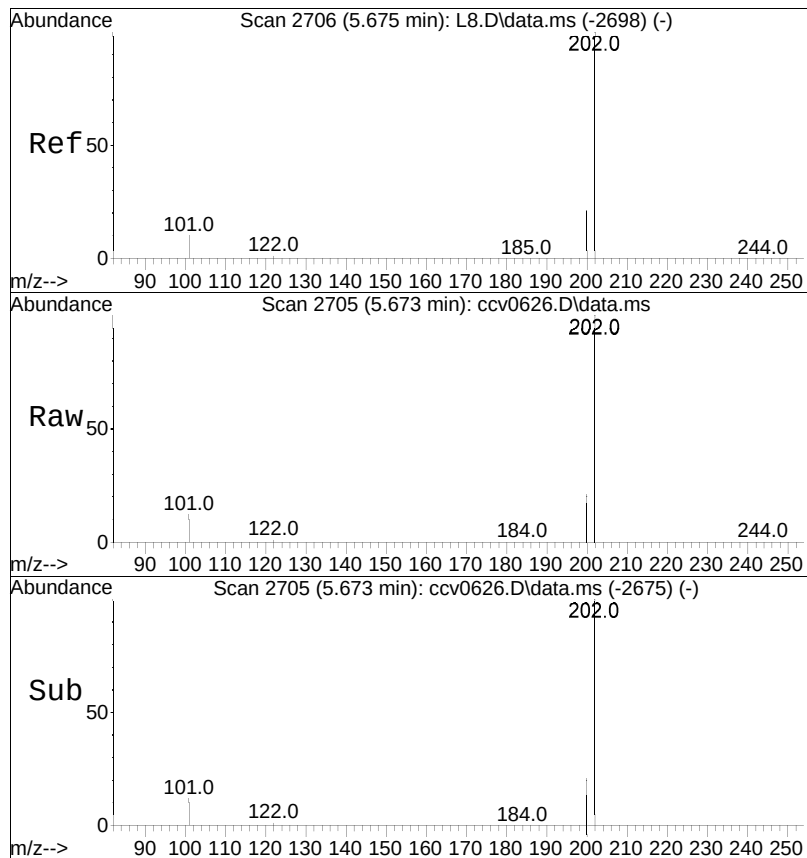




#29
 Fluoranthene
 Concen: 1001.57 ng/ml
 RT: 5.539 min Scan# 2654
 Delta R.T. 0.000 min
 Lab File: ccv0626.D
 Acq: 26 Jun 2025 09:31 pm

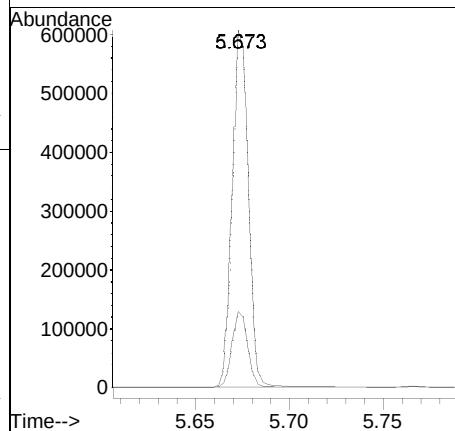
Tgt	Ion	Ratio	Lower	Upper
202	100			
101	9.5	7.5	11.3	

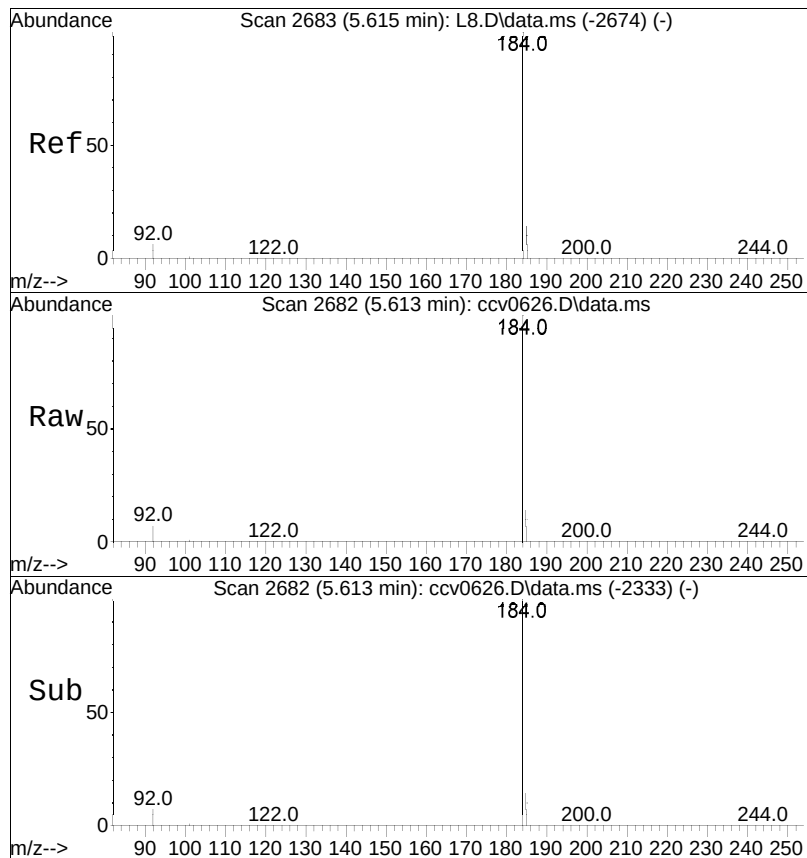




#30
 Pyrene
 Concen: 974.60 ng/ml
 RT: 5.673 min Scan# 2705
 Delta R.T. -0.000 min
 Lab File: ccv0626.D
 Acq: 26 Jun 2025 09:31 pm

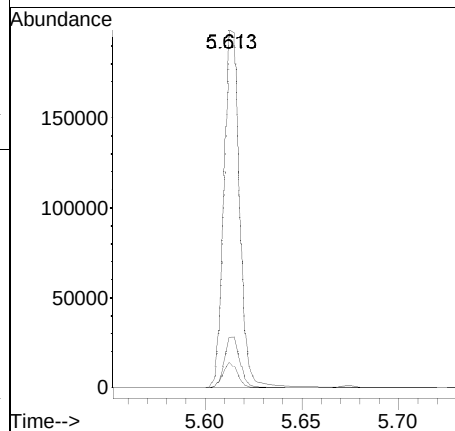
Tgt	Ion	Ratio	Lower	Upper
202	100			
200	21.1	17.0	25.4	

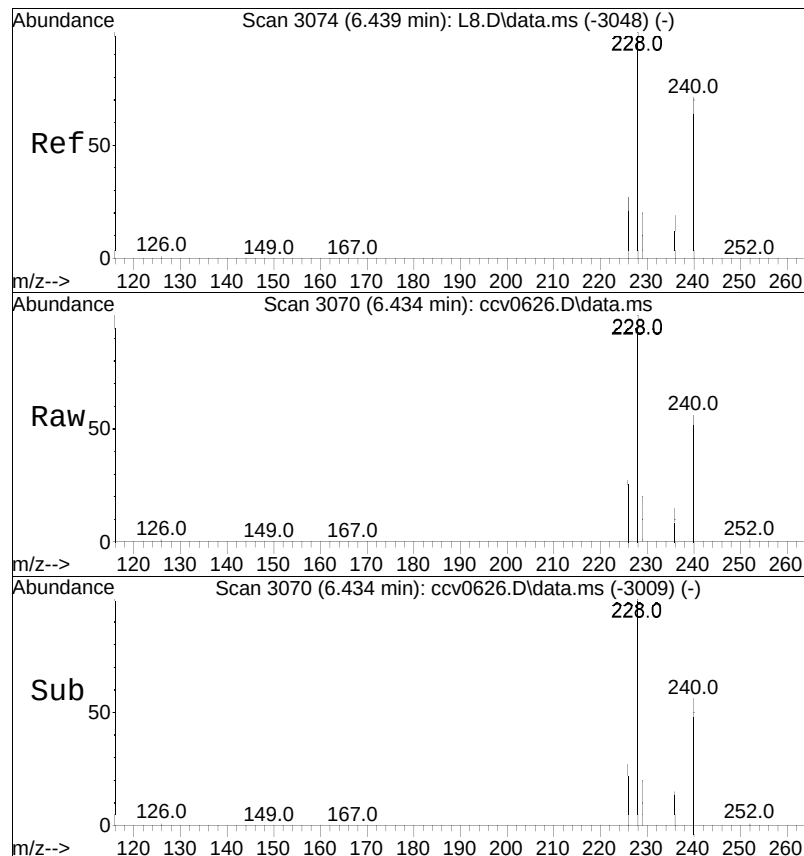




#31
Benzidine
Concen: 651.24 ng/mL
RT: 5.613 min Scan# 2682
Delta R.T. -0.000 min
Lab File: ccv0626.D
Acq: 26 Jun 2025 09:31 pm

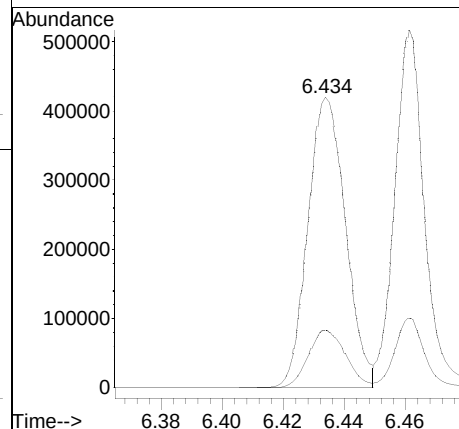
Tgt Ion	Ratio	Resp	Lower	Upper
184	100	111283		
92	6.8		5.2	7.8
185	14.2		11.2	16.8

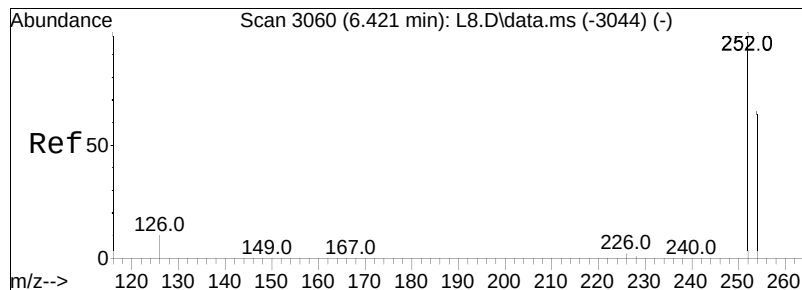




#34
 Benzo[a]anthracene
 Concen: 951.80 ng/ml
 RT: 6.434 min Scan# 3070
 Delta R.T. -0.000 min
 Lab File: ccv0626.D
 Acq: 26 Jun 2025 09:31 pm

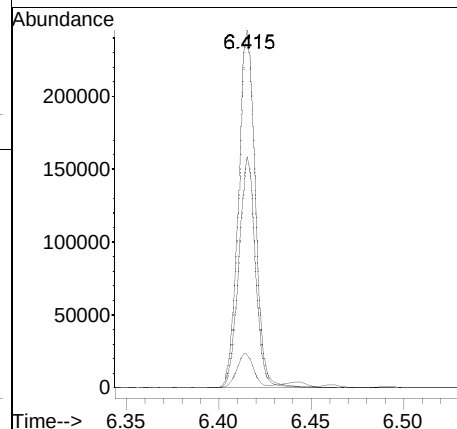
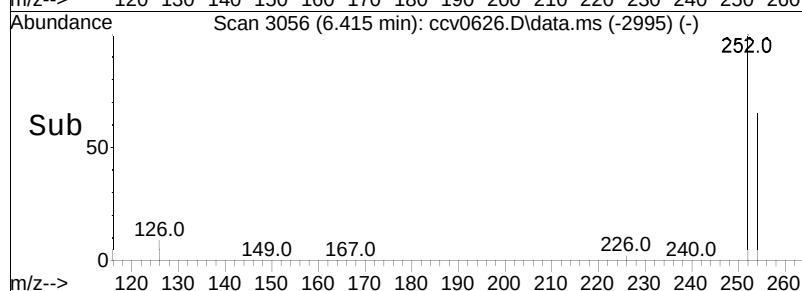
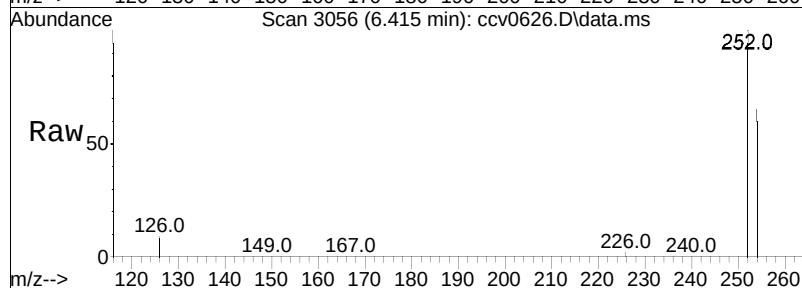
Tgt	Ion	Ratio	Lower	Upper
228	228	100		
229	229	19.7	15.8	23.6

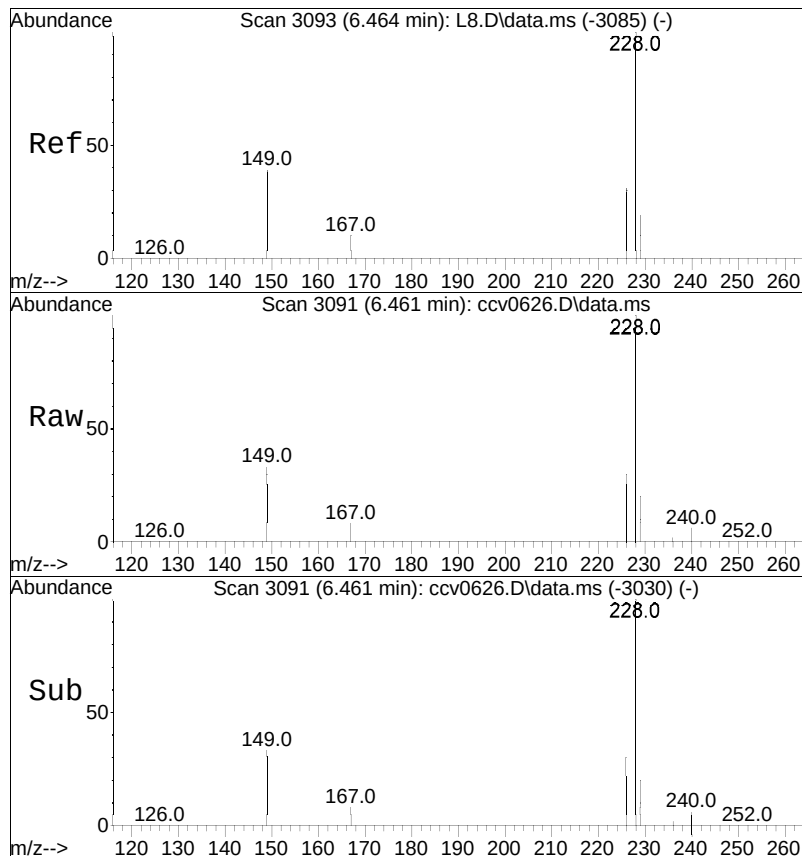




#35
 3,3'-Dichlorobenzidine
 Concen: 1026.40 ng/ml
 RT: 6.415 min Scan# 3056
 Delta R.T. 0.000 min
 Lab File: ccv0626.D
 Acq: 26 Jun 2025 09:31 pm

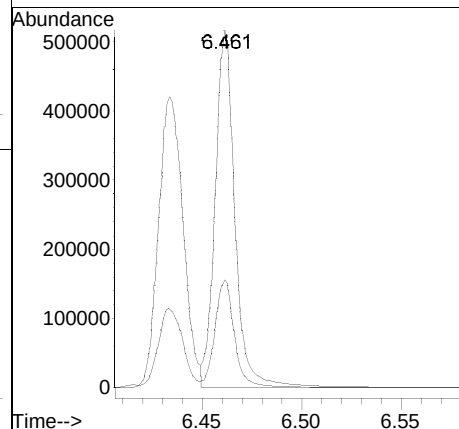
Tgt Ion	Ratio	Lower	Upper
252	100		
126	9.5	7.7	11.5
254	64.5	51.8	77.6

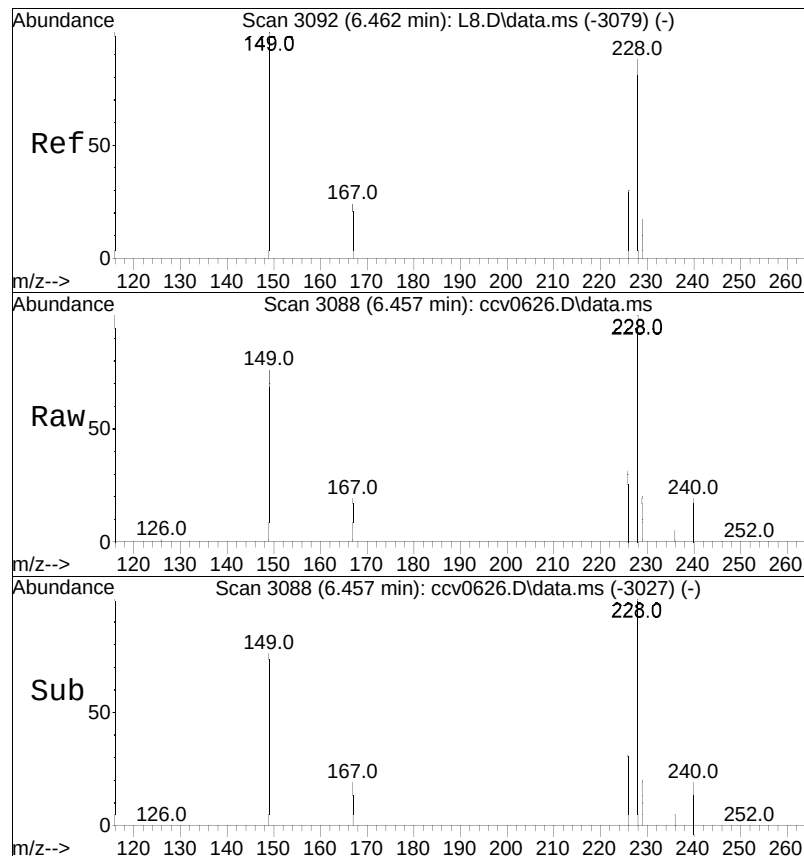




#36
 Chrysene
 Concen: 977.02 ng/ml
 RT: 6.461 min Scan# 3091
 Delta R.T. 0.000 min
 Lab File: ccv0626.D
 Acq: 26 Jun 2025 09:31 pm

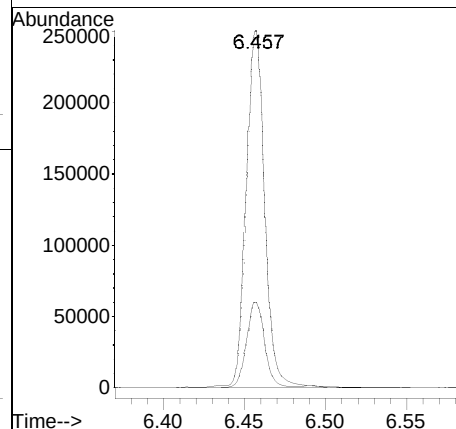
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.3	24.6	37.0

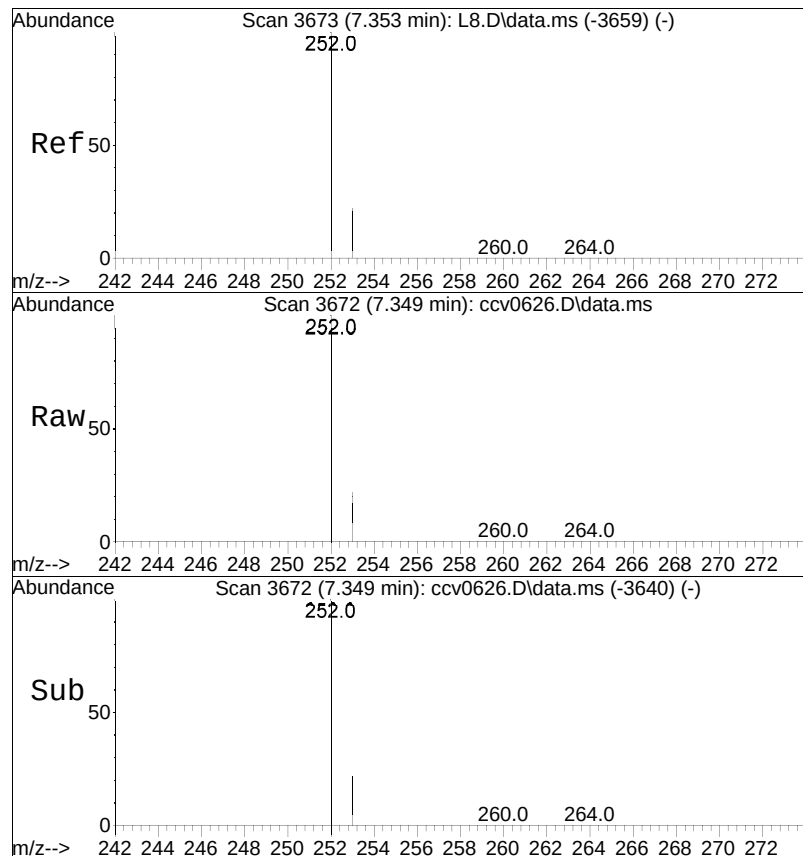




#37
 Bis(2-ethylhexyl)phthalate
 Concen: 988.61 ng/ml
 RT: 6.457 min Scan# 3088
 Delta R.T. 0.000 min
 Lab File: ccv0626.D
 Acq: 26 Jun 2025 09:31 pm

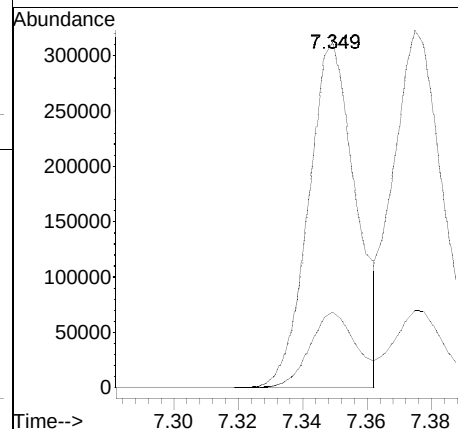
Tgt Ion:	149	Resp:	196166
Ion Ratio	Lower	Upper	
149	100		
167	23.8	19.6	29.4

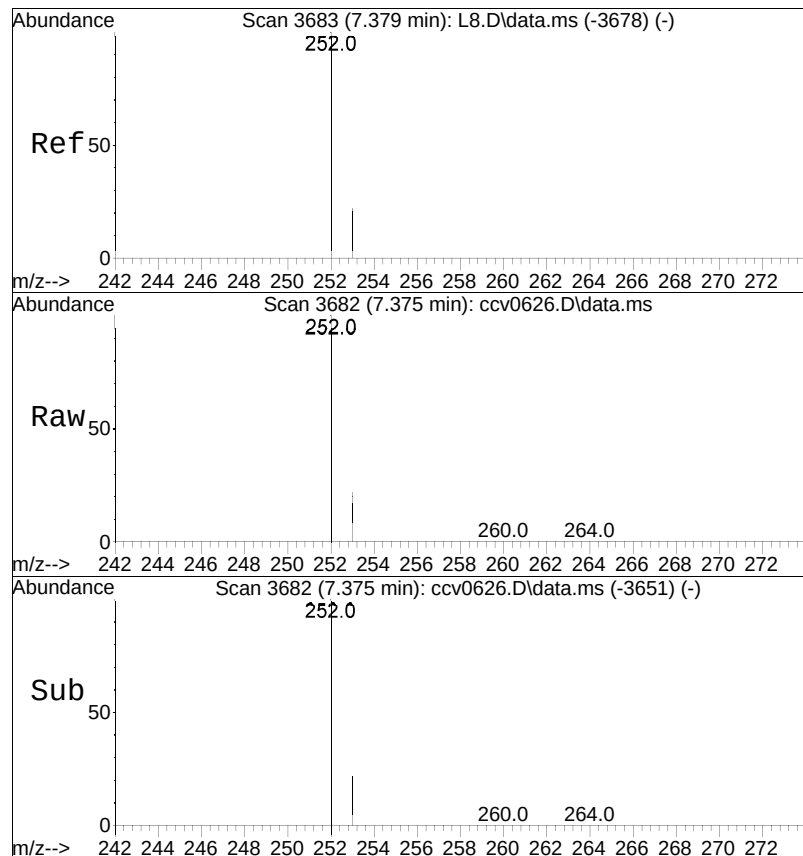




#39
 Benzo[b]fluoranthene
 Concen: 1014.66 ng/ml
 RT: 7.349 min Scan# 3672
 Delta R.T. 0.000 min
 Lab File: ccv0626.D
 Acq: 26 Jun 2025 09:31 pm

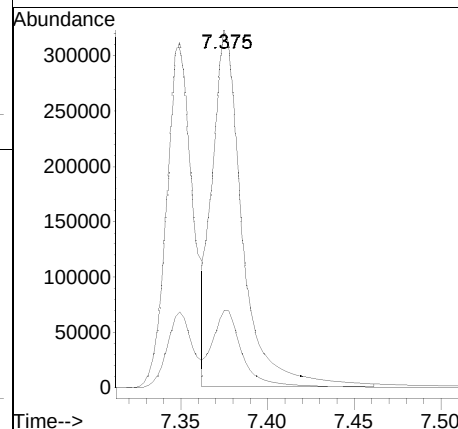
Tgt Ion:	252	Resp:	319959
Ion Ratio	Lower	Upper	
252	100		
253	21.6	18.1	27.1

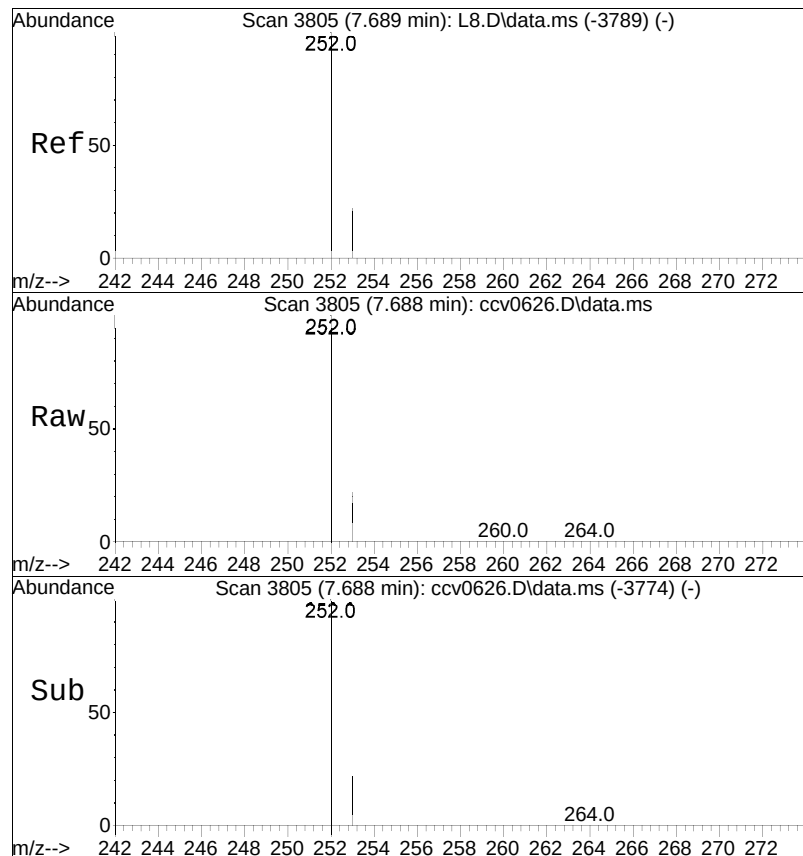




#40
 Benzo[k]fluoranthene
 Concen: 1064.13 ng/ml M1
 RT: 7.375 min Scan# 3682
 Delta R.T. -0.000 min
 Lab File: ccv0626.D
 Acq: 26 Jun 2025 09:31 pm

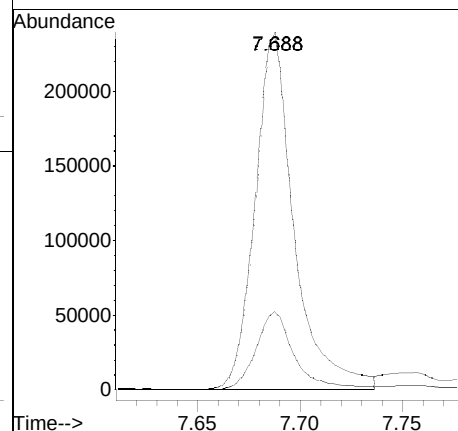
Tgt	Ion	Ratio	Lower	Upper
252	100			
253	21.2	17.0	25.4	

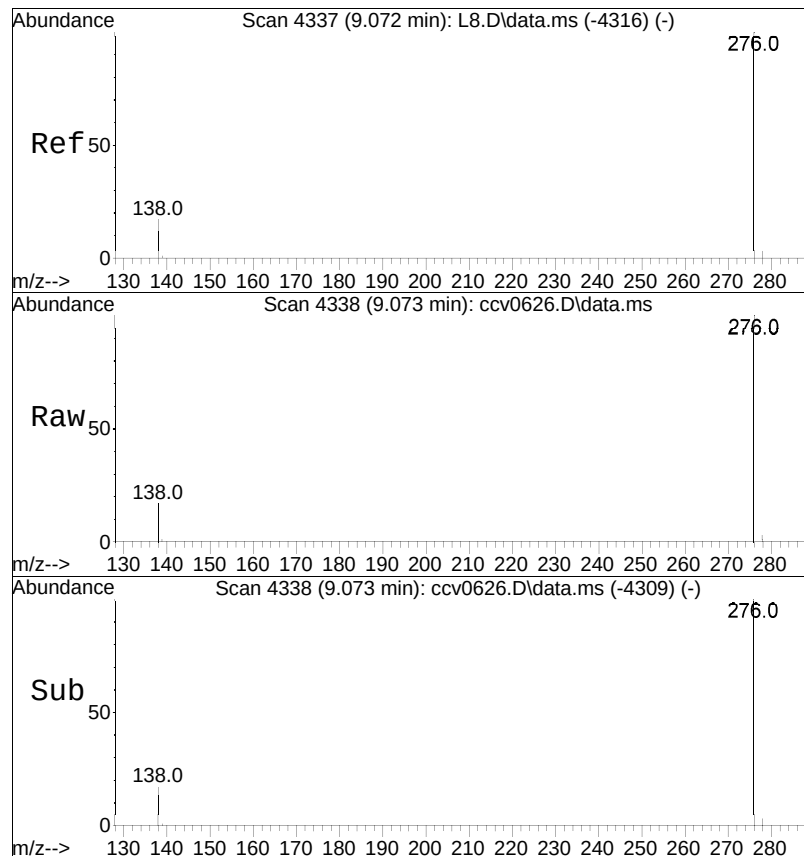




#41
 Benzo[a]pyrene
 Concen: 1040.29 ng/ml
 RT: 7.688 min Scan# 3805
 Delta R.T. -0.000 min
 Lab File: ccv0626.D
 Acq: 26 Jun 2025 09:31 pm

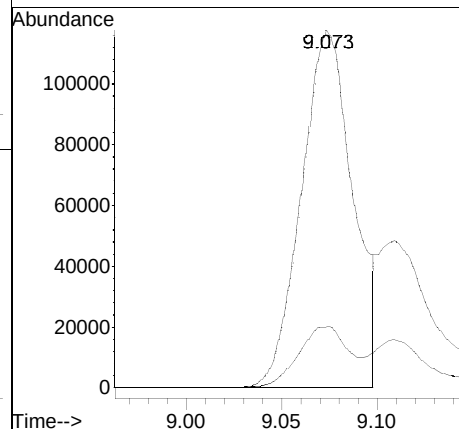
Tgt	Ion	Ratio	Lower	Upper
252	100			
253	21.8	17.4	26.0	

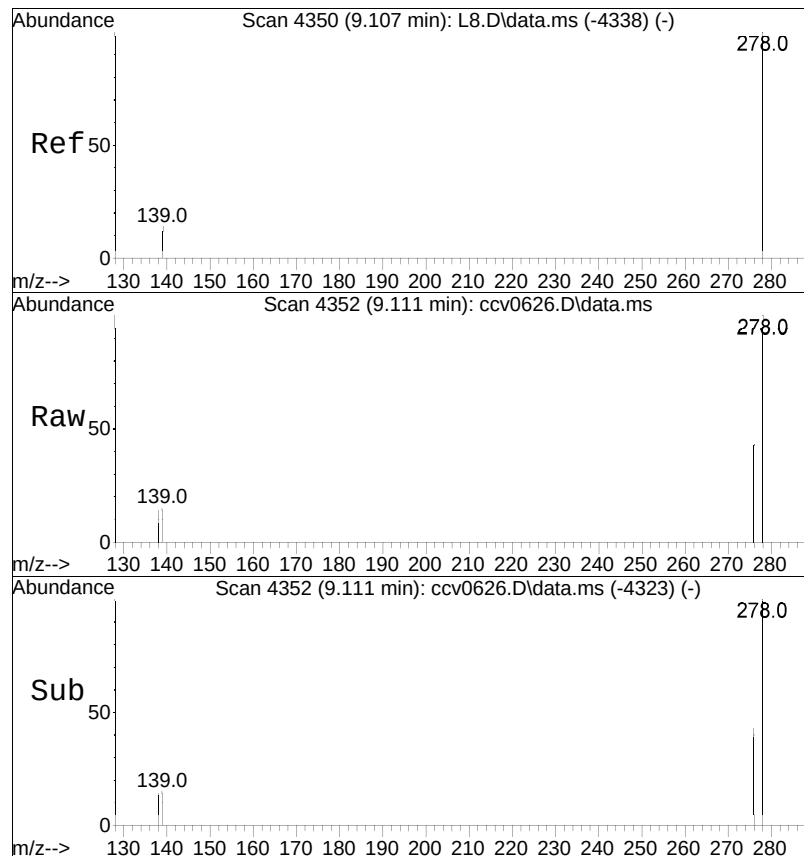




#42
 Indeno[1,2,3-cd]pyrene
 Concen: 825.08 ng/ml
 RT: 9.073 min Scan# 4338
 Delta R.T. 0.000 min
 Lab File: ccv0626.D
 Acq: 26 Jun 2025 09:31 pm

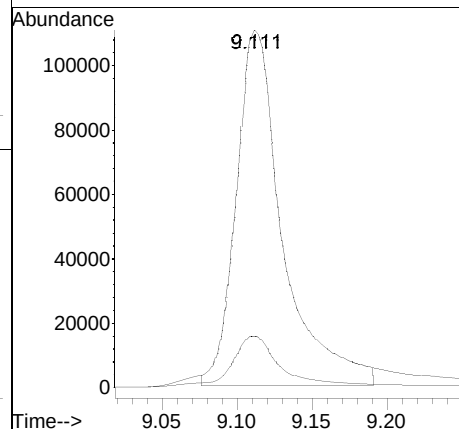
Tgt Ion	Ratio	Lower	Upper
276	100		
138	17.0	14.4	21.6

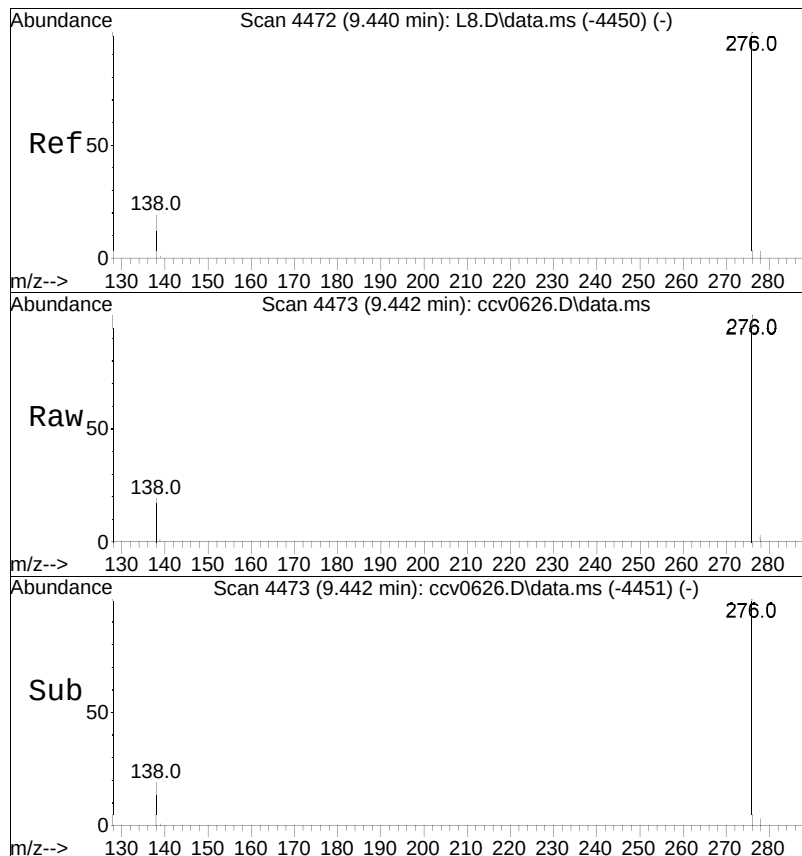




#43
 Dibenzo[a,h]anthracene
 Concen: 871.62 ng/ml M6
 RT: 9.111 min Scan# 4352
 Delta R.T. 0.000 min
 Lab File: ccv0626.D
 Acq: 26 Jun 2025 09:31 pm

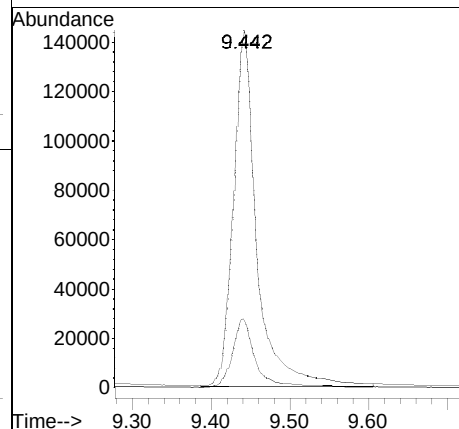
Tgt Ion	Ratio	Lower	Upper
278	100		
139	15.1	12.1	18.1





#44
 Benzo[g,h,i]perylene
 Concen: 1054.60 ng/ml M1
 RT: 9.442 min Scan# 4473
 Delta R.T. -0.019 min
 Lab File: ccv0626.D
 Acq: 26 Jun 2025 09:31 pm

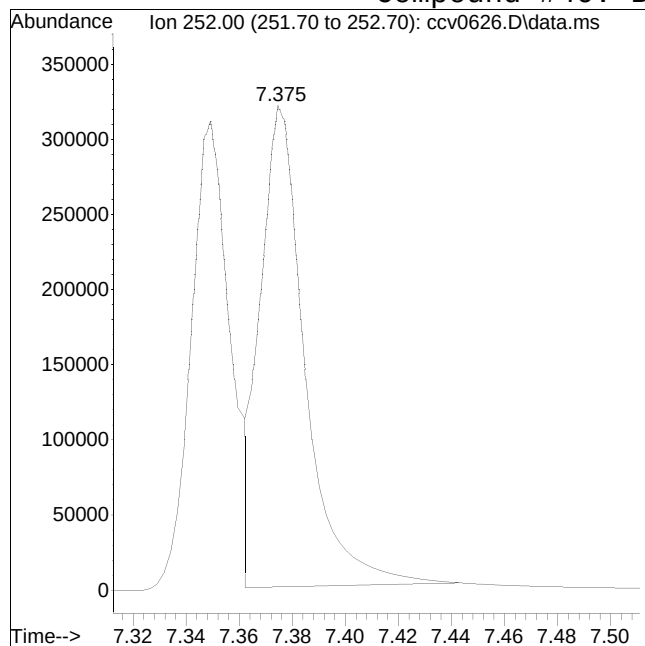
Tgt	Ion	Ratio	Lower	Upper
276	100			
138	18.4	16.0	24.0	



Manual Integration Report

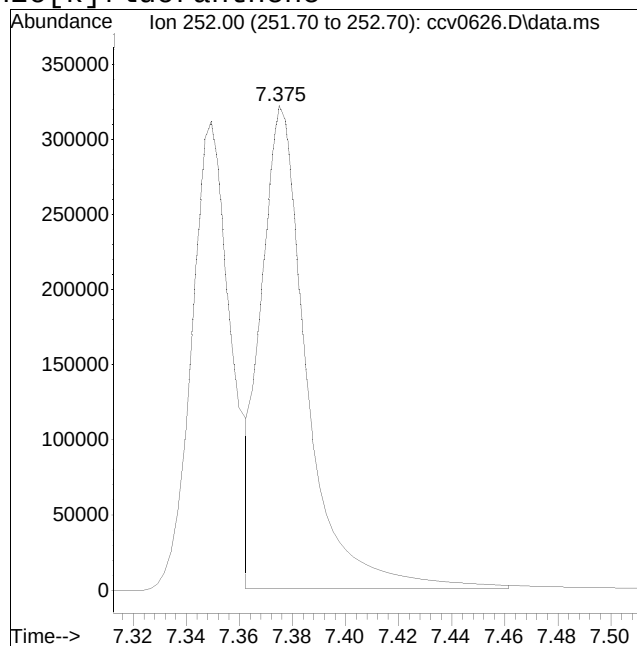
Data Path : I:\8270SIM\sv119\250626RVTQMethod : SIM-RVT_250625_sv119.M
Data File : ccv0626.D Operator : sv119:slr
Date Inj'd : 6/26/2025 9:31 pm Instrument : SV119
Sample : WG2084091-3,32,,ICV 11696 (00002)Date : 6/27/2025 10:05 am

Compound #40: Benzo[k]fluoranthene



Original Peak Response = 374165

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

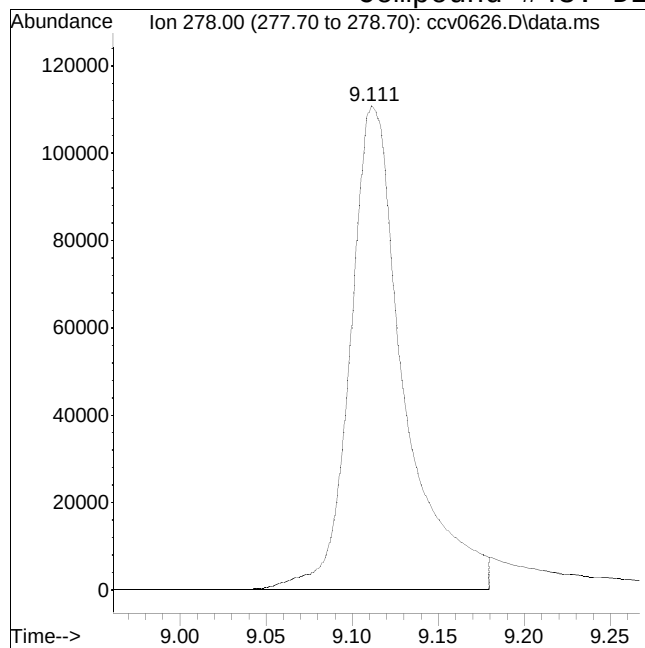


Manual Peak Response = 388090 M1

Manual Integration Report

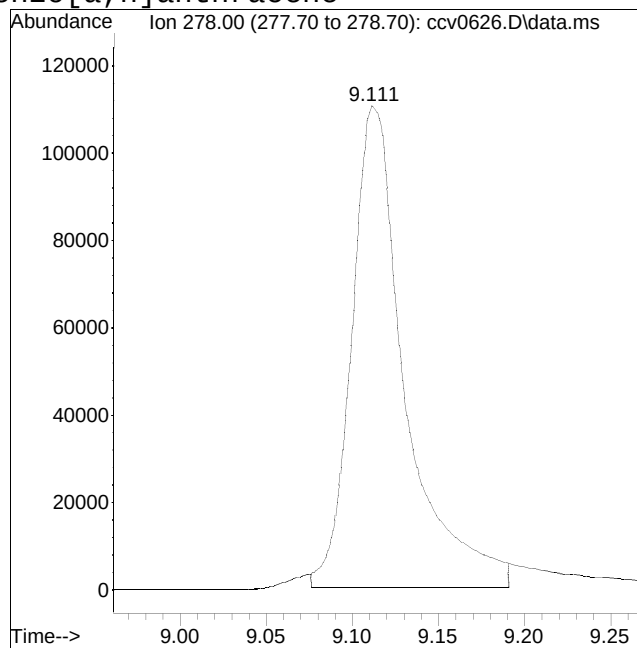
Data Path : I:\8270SIM\sv119\250626RVT000001
Data File : ccv0626.D
Date Inj'd : 6/26/2025 9:31 pm
Sample : WG2084091-3,32,,ICV 11696 (000001)
Method : SIM-RVT_250625_sv119.M
Operator : sv119:slr
Instrument : SV119
Date : 6/27/2025 10:05 am

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 240401

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).

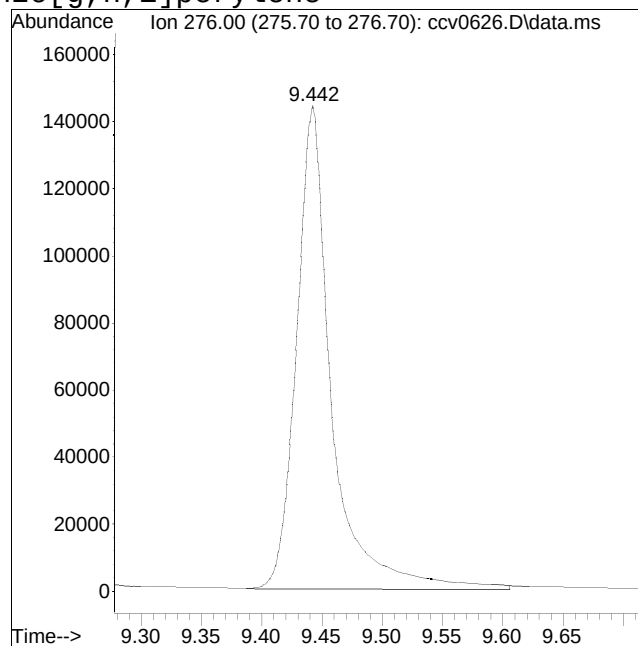
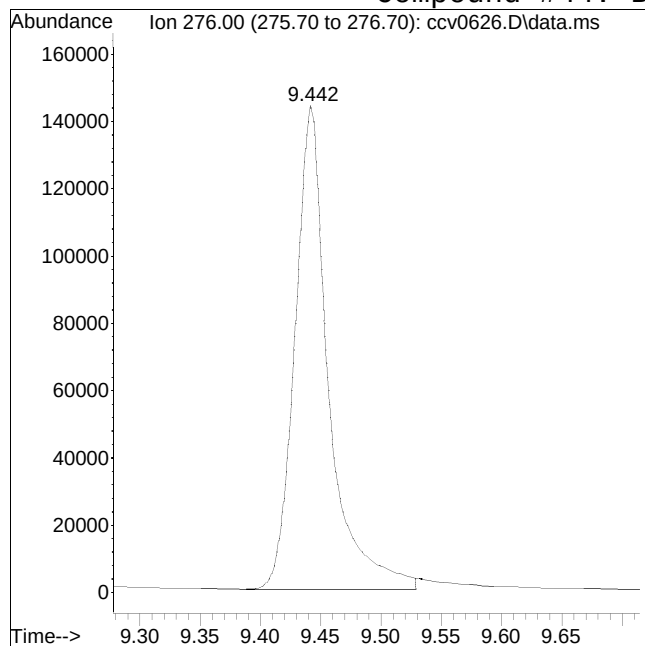


Manual Peak Response = 238425 M6

Manual Integration Report

Data Path : I:\8270SIM\sv119\250626RVT00002
Data File : ccv0626.D
Date Inj'd : 6/26/2025 9:31 pm
Sample : WG2084091-3,32,,ICV 11696 (00002)
Method : SIM-RVT_250625_sv119.M
Operator : sv119:slr
Instrument : SV119
Date : 6/27/2025 10:05 am

Compound #44: Benzo[g,h,i]perylene



Original Peak Response = 280359

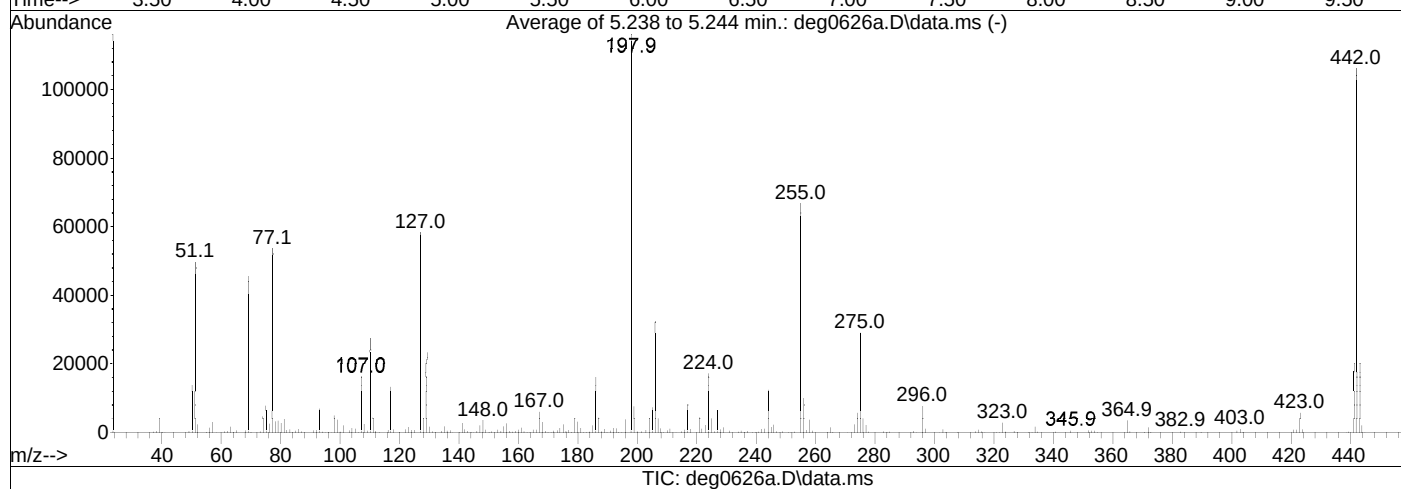
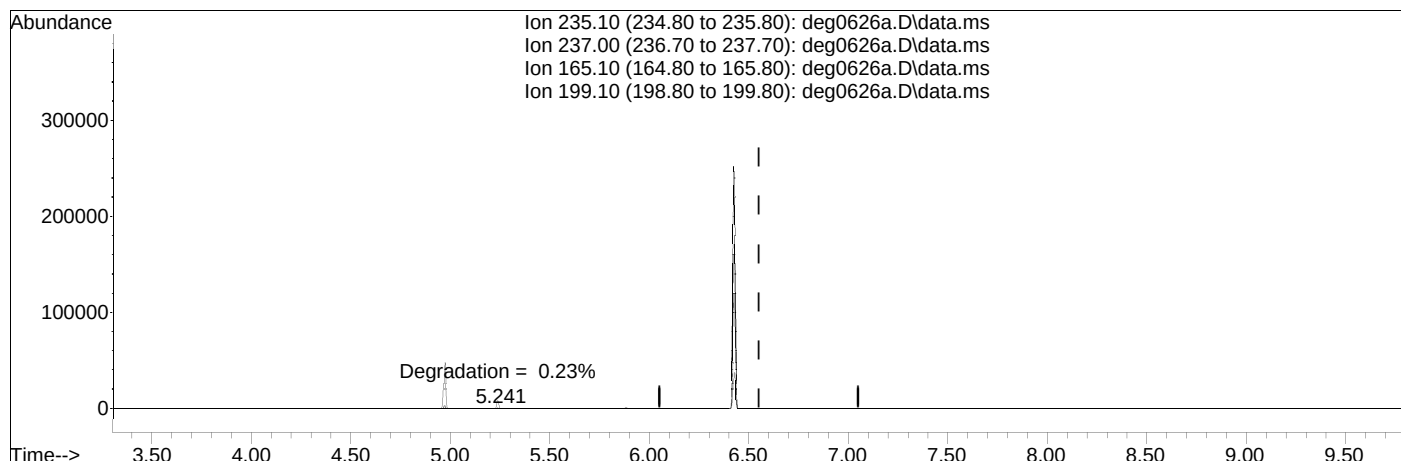
Manual Peak Response = 293460 M1

M1 = Split or tailing peak, auto integration stopped early resulting in false low area count.

Quantitation Report (Qedit)

Data Path : I:\8270SIM\sv119\250626RVT\
 Data File : deg0626a.D
 Acq On : 26 Jun 2025 09:14 pm
 Operator : sv119:slr
 Sample : wg2084091-2,32,,dftpp SV119 lot# 11649
 Misc : wg2084091,,ICAL22426
 ALS Vial : 48 Sample Multiplier: 1

Quant Time: Jun 26 21:26:22 2025
 Quant Method : I:\8270SIM\sv119\250626RVT\dftppsv119.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Jun 25 20:04:49 2025
 Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D



(6) ddt (T)

6.425min (-0.127) 33.77

response 205824

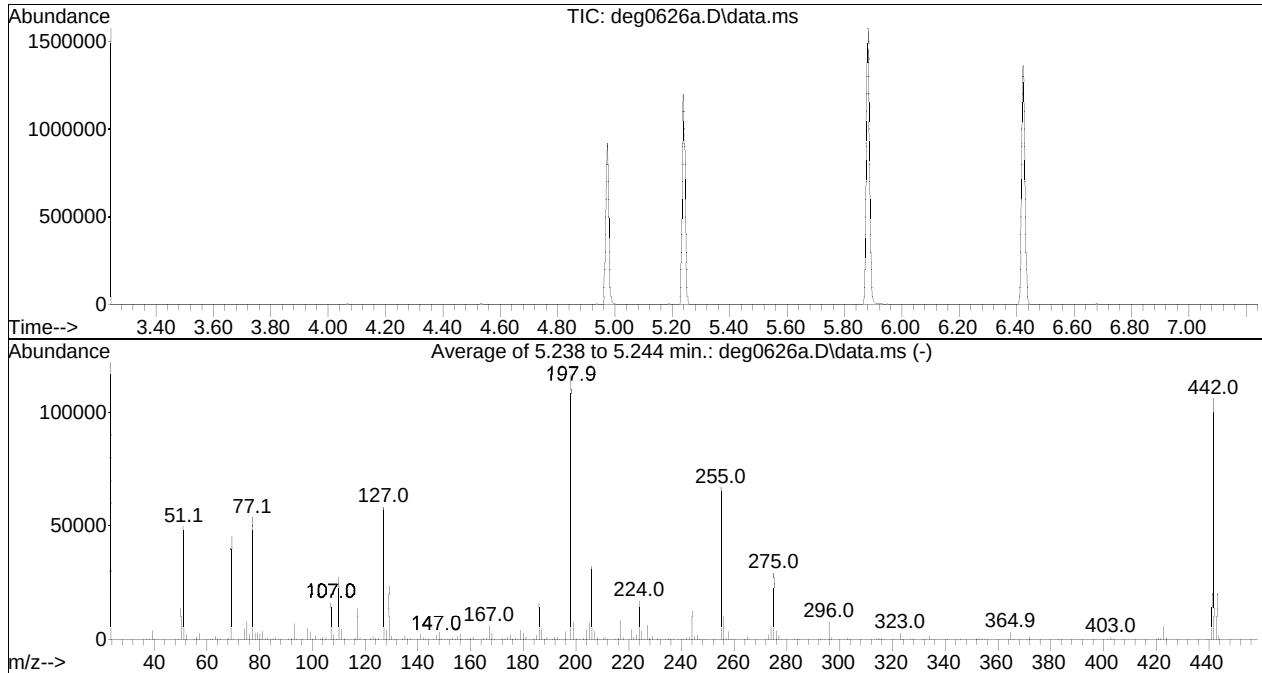
Ion	Exp%	Act%
235.10	100.00	100.00
237.00	65.60	63.71
165.10	53.30	48.23
199.10	17.10	14.71

DFTPP

Data Path : I:\8270SIM\sv119\250626RVT\
 Data File : deg0626a.D
 Acq On : 26 Jun 2025 09:14 pm
 Operator : sv119:slr
 Sample : wg2084091-1,32,,dftpp SV119 lot# 11649
 Misc : wg2084091,,ICAL22426
 ALS Vial : 48 Sample Multiplier: 1

Integration File: rteint.p

Method : I:\8270SIM\sv119\250626RVT\SIM-RVT_250625_sv119.M
 Title : Semivolatiles by GC/MS by modified 8270
 Last Update : Fri Jun 27 08:30:34 2025



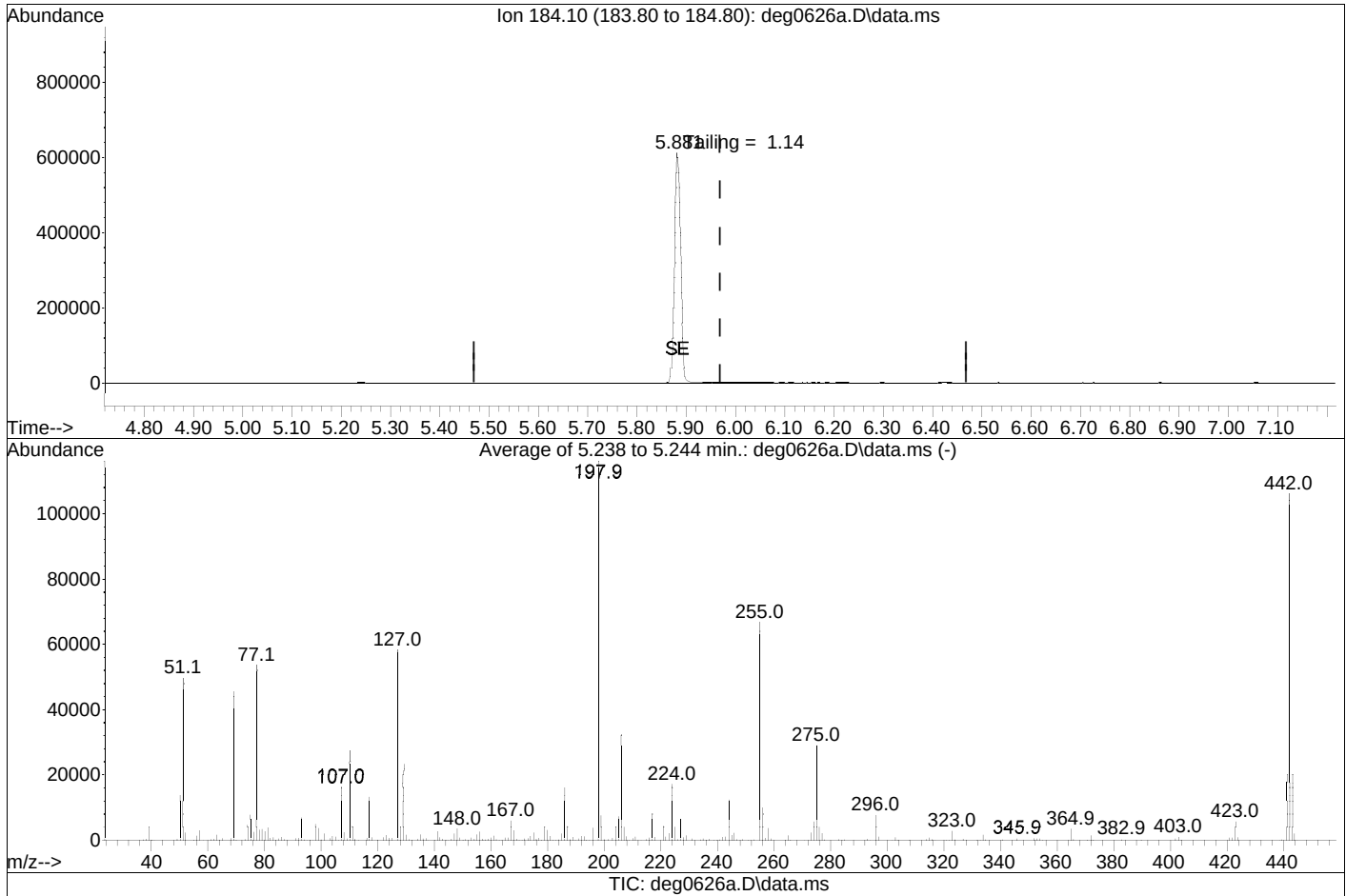
AutoFind: Scans 691, 692, 693; Background Corrected with Scan 684

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
51	198	10	80	42.8	49717	PASS
68	69	0.00	2	1.7	768	PASS
69	69	100	100	100.0	45325	PASS
70	69	0.00	2	0.6	261	PASS
127	198	10	80	50.1	58240	PASS
197	198	0.00	2	0.0	0	PASS
198	198	100	100	100.0	116155	PASS
199	198	5	9	6.5	7595	PASS
275	198	10	60	25.1	29152	PASS
365	198	1	100	3.0	3427	PASS
441	442	0.01	24	19.0	20083	PASS
442	198	50	100	91.2	105960	PASS
443	442	15	24	19.1	20211	PASS

Quantitation Report (Qedit)

Data Path : I:\8270SIM\sv119\250626RVT\
 Data File : deg0626a.D
 Acq On : 26 Jun 2025 09:14 pm
 Operator : sv119:slr
 Sample : wg2084091-4,32,,dftpp SV119 lot# 11649
 Misc : wg2084091,,ICAL22426
 ALS Vial : 48 Sample Multiplier: 1

Quant Time: Jun 26 21:26:22 2025
 Quant Method : I:\8270SIM\sv119\250626RVT\dftppsv119.m
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Wed Jun 25 20:04:49 2025
 Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D



(3) benzidine (T)

5.881min (-0.088) 48.13

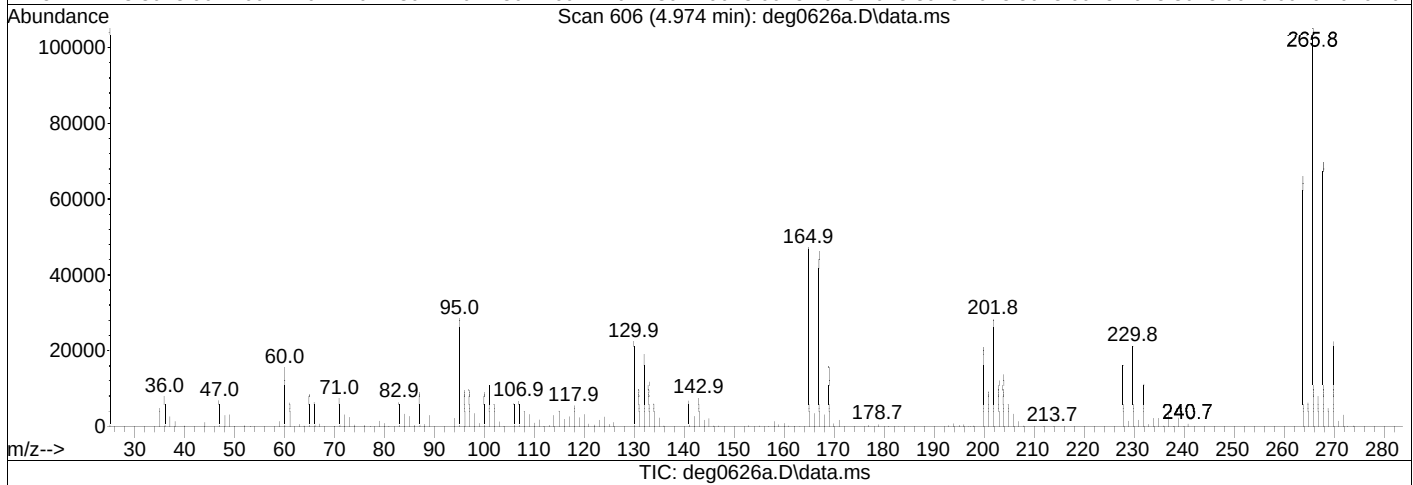
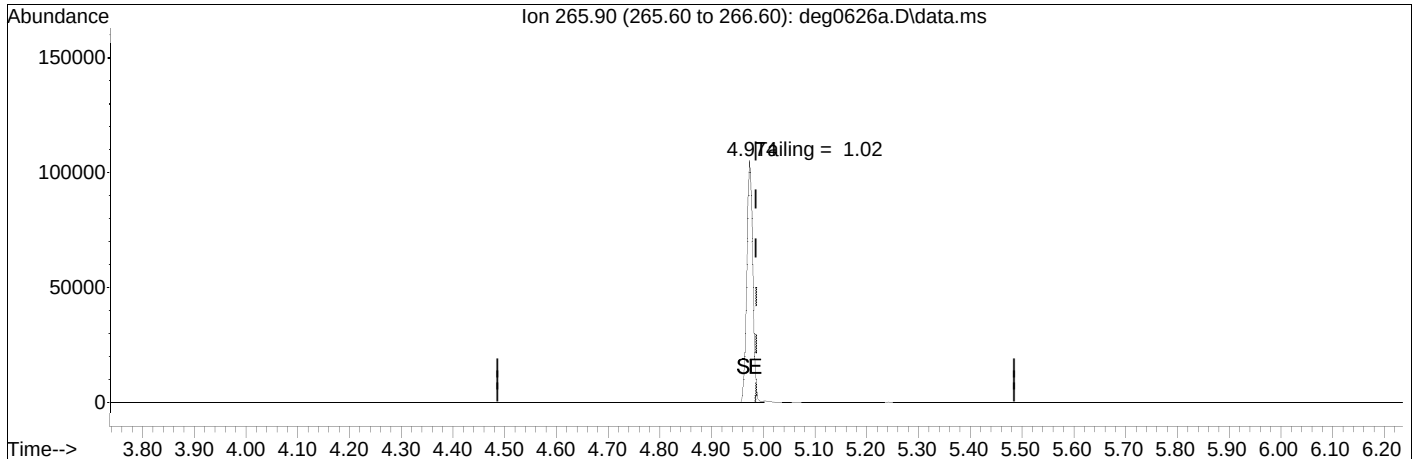
response 489993

Ion	Exp%	Act%
184.10	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Quantitation Report (Qedit)

Data Path : I:\8270SIM\sv119\250626RVT\
Data File : deg0626a.D
Acq On : 26 Jun 2025 09:14 pm
Operator : sv119:slr
Sample : wg2084091-5,32,,dftpp SV119 lot# 11649
Misc : wg2084091,,ICAL22426
ALS Vial : 48 Sample Multiplier: 1

Quant Time: Jun 26 21:26:22 2025
Quant Method : I:\8270SIM\sv119\250626RVT\dftppsv119.m
Quant Title : Semivolatiles by GC/MS by modified 8270
QLast Update : Wed Jun 25 20:04:49 2025
Response via : Continuing Cal File: C:\ENVDEMO\BNADATA\DLWB002.D



(1) pentachlorophenol (T)

4.974min (-0.012) 37.65

response 79077

Ion	Exp%	Act%
265.90	100.00	100.00
0.00	0.00	0.00
0.00	0.00	0.00
0.00	0.00	0.00

Semivolatiles Raw QC Data

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250623RVT\
 Data File : 081649-1.D
 Acq On : 23 Jun 2025 12:23 pm
 Operator : sv119:rp
 Sample : WG2081652-1,32,,jjw
 Misc : WG2082224,WG2081652,ical22394
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 23 17:52:54 2025
 Quant Method : I:\8270sim\sv119\250623RVT\SIM-RVT_250618_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Jun 23 09:30:43 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\250623RVT\ccv0623a.D
 Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.308	152	266448	4000.000	ng/ml	0.00
Standard Area 1 = 223163			Recovery	=	119.40%	
9) Naphthalene-d8	2.966	136	1024249	4000.000	ng/ml	0.00
Standard Area 1 = 839534			Recovery	=	122.00%	
18) Acenaphthene-d10	3.944	164	628648	4000.000	ng/ml	0.00
Standard Area 1 = 501334			Recovery	=	125.40%	
23) Phenanthrene-d10	4.793	188	1357664	4000.000	ng/ml	0.00
Standard Area 1 = 1091615			Recovery	=	124.37%	
33) Chrysene-d12	6.421	240	1372958	4000.000	ng/ml	-0.03
Standard Area 1 = 1163786			Recovery	=	117.97%	
38) Perylene-d12	7.711	264	1417060	4000.000	ng/ml	-0.03
Standard Area 1 = 1221164			Recovery	=	116.04%	
System Monitoring Compounds						
3) 2-Fluorophenol	1.725	112	75739	1012.085	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	50.60%	
4) Phenol-d6	2.117	99	77976	802.514	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	40.13%	
8) Nitrobenzene-d5	2.584	82	61085	762.099	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	76.21%	
14) 2-Fluorobiphenyl	3.562	172	167273	721.826	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	72.18%	
22) 2,4,6-Tribromophenol	4.392	330	43606	1382.731	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	69.14%	
32) 4-Terphenyl-d14	5.739	244	298180	976.828	ng/ml	-0.02
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	97.68%	
Target Compounds						
						Qvalue
5) Bis(2-chloroethyl)ether	0.000		0	N.D.	d	
7) Hexachloroethane	0.000		0	N.D.	d	
10) Naphthalene	2.977	128	1948	7.259	ng/ml	99
11) Hexachlorobutadiene	0.000		0	N.D.	d	
12) 2-Methylnaphthalene	3.356	142	1529	8.592	ng/ml	99
15) 2-Chloronaphthalene	0.000		0	N.D.	d	
17) Acenaphthylene	0.000		0	N.D.	d	
19) Acenaphthene	3.961	153	2257	10.809	ng/ml	95
21) Fluorene	4.255	166	2702	10.816	ng/ml	98
25) Hexachlorobenzene	4.573	284	429	5.105	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250623RVT\
 Data File : 081649-1.D
 Acq On : 23 Jun 2025 12:23 pm
 Operator : sv119:rp
 Sample : WG2081652-1,32,,jjw
 Misc : WG2082224,WG2081652,ical22394
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 23 17:52:54 2025
 Quant Method : I:\8270sim\sv119\250623RVT\SIM-RVT_250618_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Jun 23 09:30:43 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\250623RVT\ccv0623a.D
 Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26) Pentachlorophenol	0.000		0	N.D.	d	
27) Phenanthrene	4.805	178	3907	9.684	ng/ml	96
28) Anthracene	4.834	178	1545	3.925	ng/ml#	91
29) Fluoranthene	5.504	202	2221	4.526	ng/ml	97
30) Pyrene	5.641	202	1664M3	3.286	ng/ml	
34) Benzo[a]anthracene	0.000		0	N.D.	d	
36) Chrysene	0.000		0	N.D.	d	
39) Benzo[b]fluoranthene	0.000		0	N.D.	d	
40) Benzo[k]fluoranthene	0.000		0	N.D.	d	
41) Benzo[a]pyrene	0.000		0	N.D.	d	
42) Indeno[1,2,3-cd]pyrene	0.000		0	N.D.	d	
43) Dibenzo[a,h]anthracene	0.000		0	N.D.	d	
44) Benzo[g,h,i]perylene	0.000		0	N.D.	d	

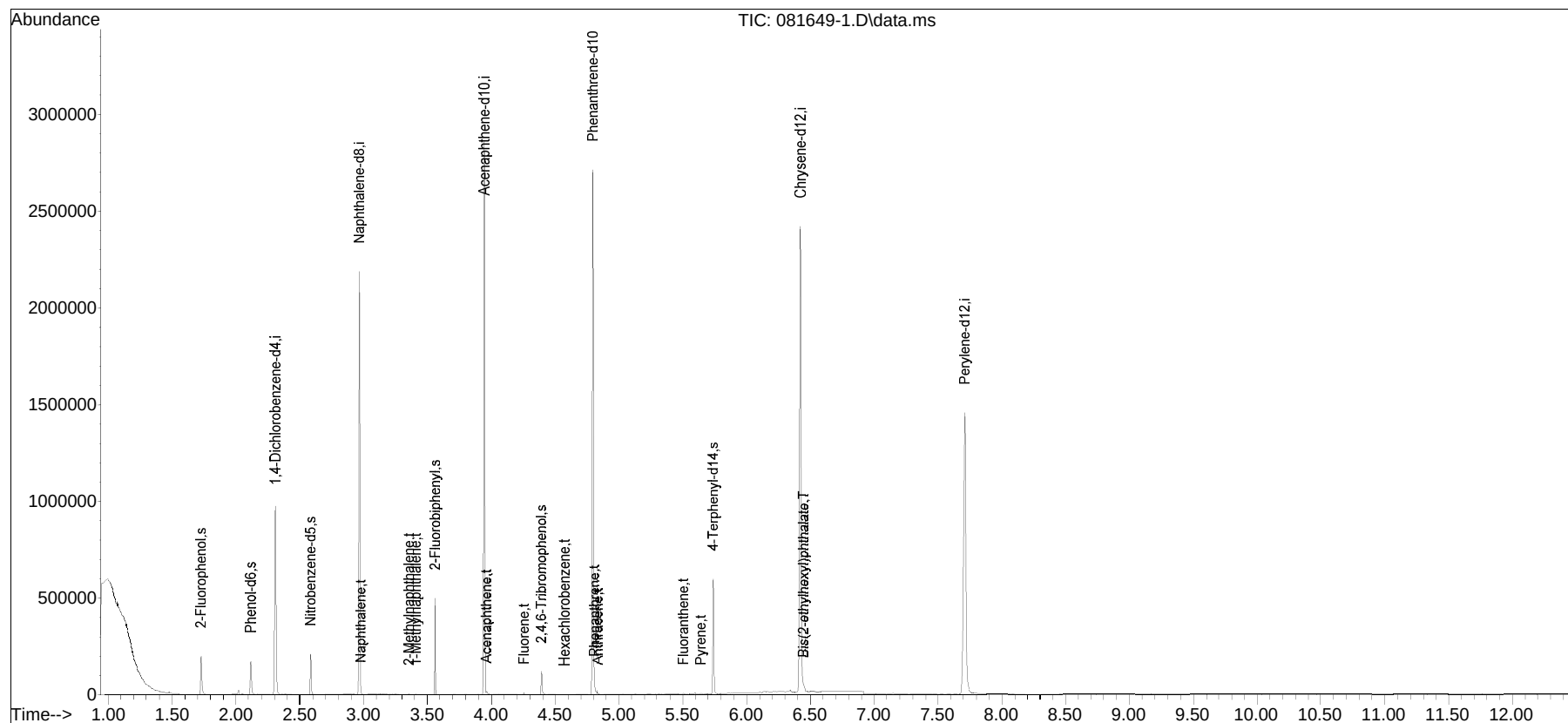
(#) = qualifier out of range (m) = manual integration (+) = signals summed

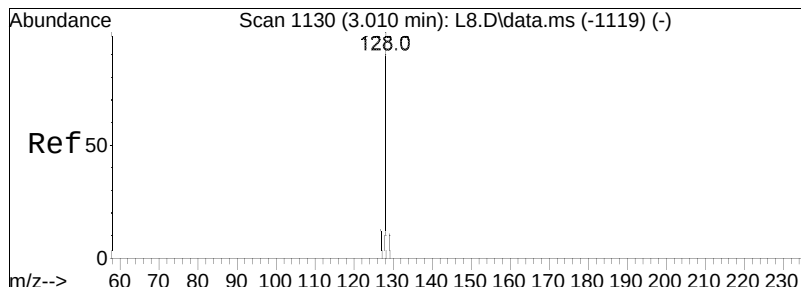
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250623RVT\
 Data File : 081649-1.D
 Acq On : 23 Jun 2025 12:23 pm
 Operator : sv119:rp
 Sample : WG2081652-1,32,,jjw
 Misc : WG2082224,WG2081652,ical22394
 ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 23 17:52:54 2025
 Quant Method : I:\8270sim\sv119\250623RVT\SIM-RVT_250618_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Jun 23 09:30:43 2025
 Response via : Initial Calibration

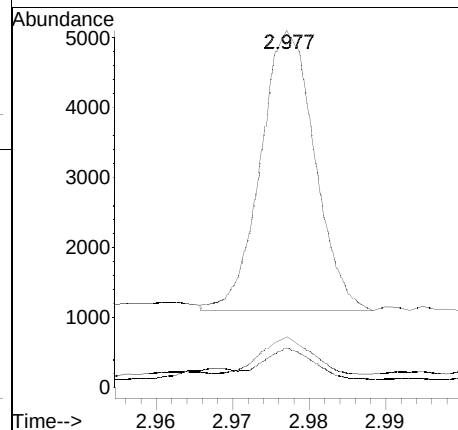
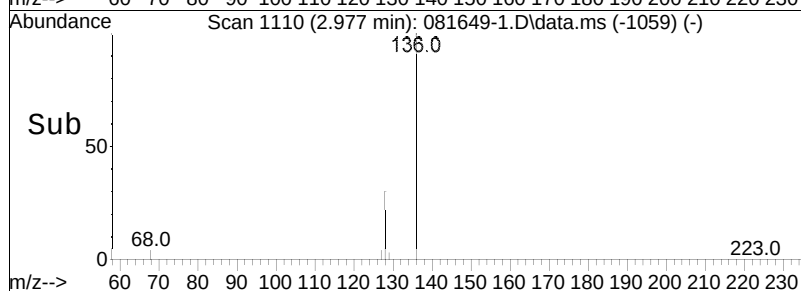
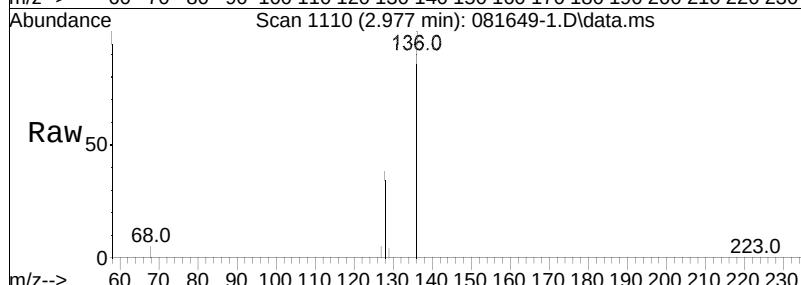
Sub List : DEFAULT - All compounds listed\ccv0623a.D•

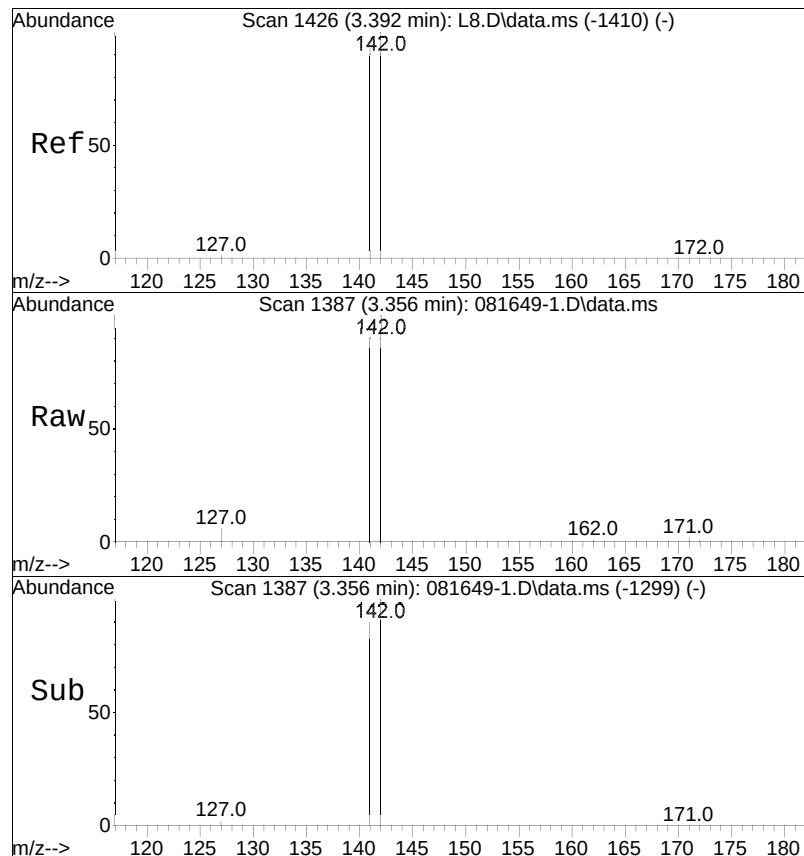




#10
Naphthalene
Concen: 7.26 ng/ml
RT: 2.977 min Scan# 1110
Delta R.T. 0.001 min
Lab File: 081649-1.D
Acq: 23 Jun 2025 12:23 pm

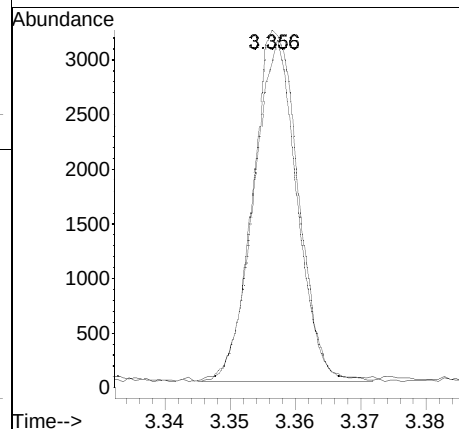
Tgt Ion:128 Resp: 1948
Ion Ratio Lower Upper
128 100
129 10.5 8.8 13.2
127 13.0 10.6 15.8

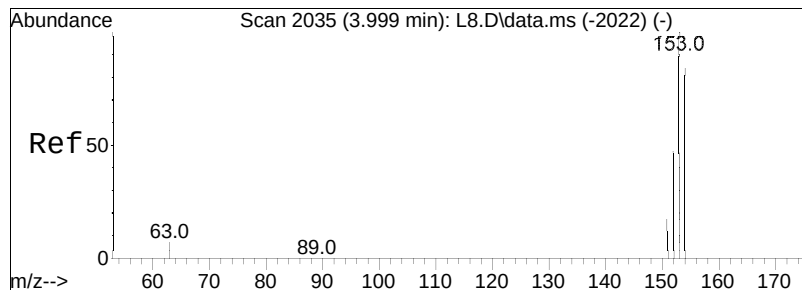




#12
 2-Methylnaphthalene
 Concen: 8.59 ng/ml
 RT: 3.356 min Scan# 1387
 Delta R.T. -0.000 min
 Lab File: 081649-1.D
 Acq: 23 Jun 2025 12:23 pm

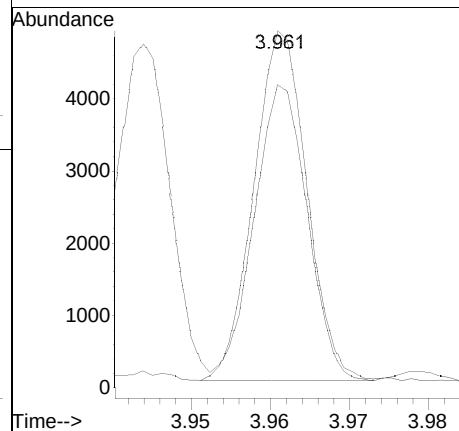
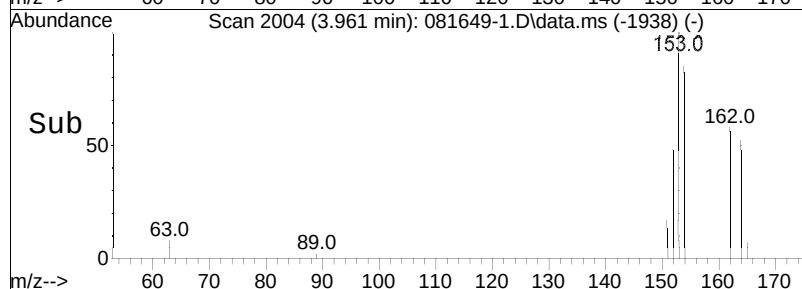
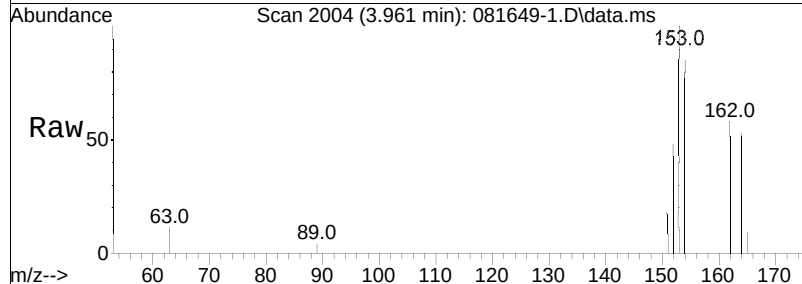
Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.5	73.6	110.4

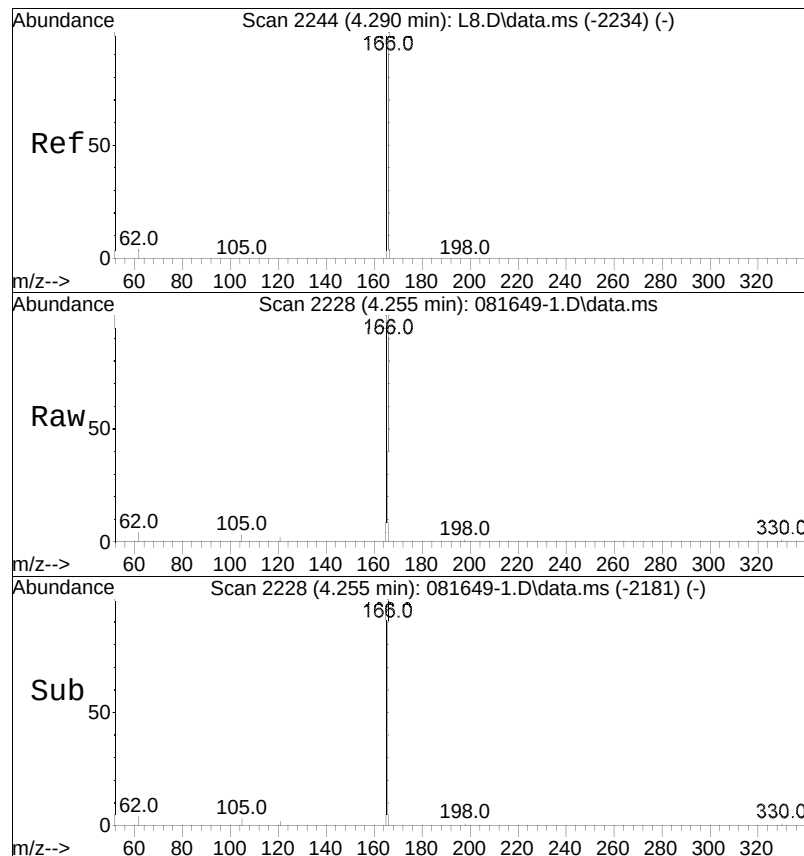




#19
 Acenaphthene
 Concen: 10.81 ng/ml
 RT: 3.961 min Scan# 2004
 Delta R.T. -0.000 min
 Lab File: 081649-1.D
 Acq: 23 Jun 2025 12:23 pm

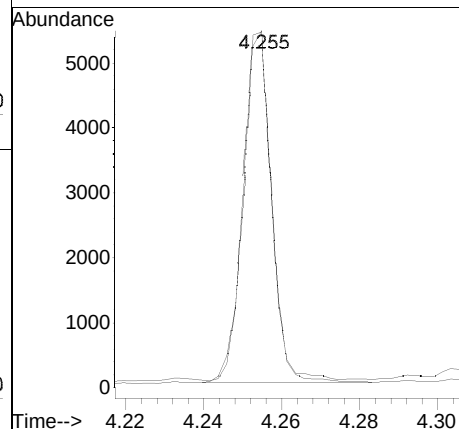
Tgt Ion	Ratio	Lower	Upper
153	100		
154	85.0	72.0	108.0

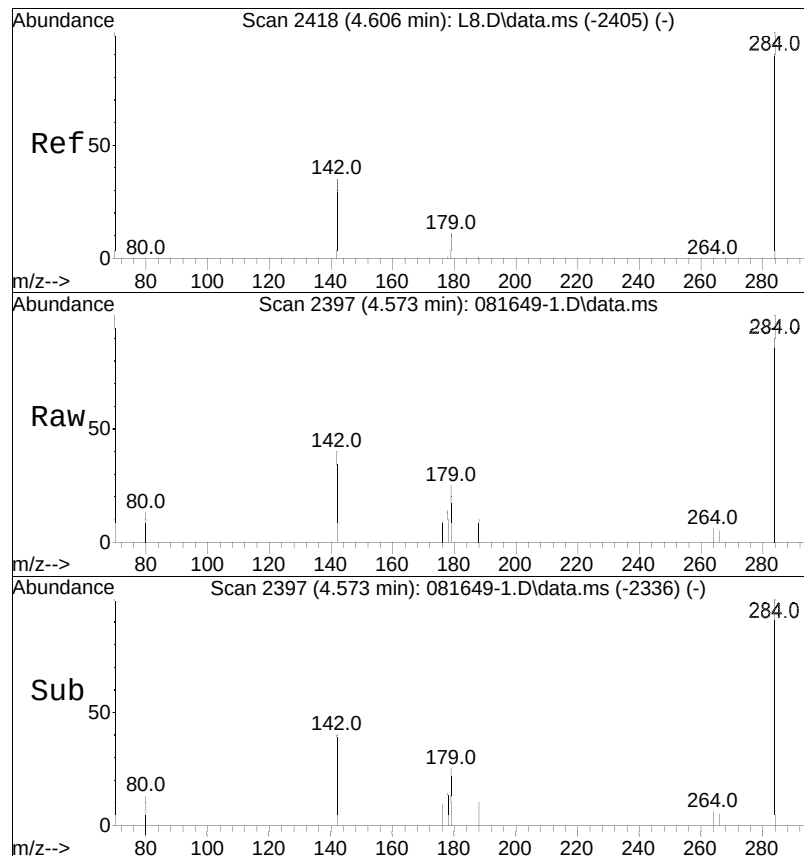




#21
 Fluorene
 Concen: 10.82 ng/ml
 RT: 4.255 min Scan# 2228
 Delta R.T. -0.000 min
 Lab File: 081649-1.D
 Acq: 23 Jun 2025 12:23 pm

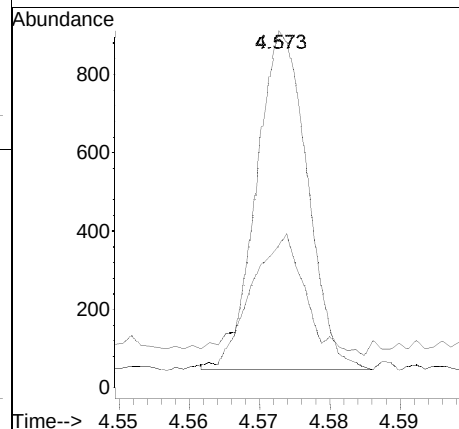
Tgt Ion	Ratio	Lower	Upper
166	100		
165	99.7	81.5	122.3

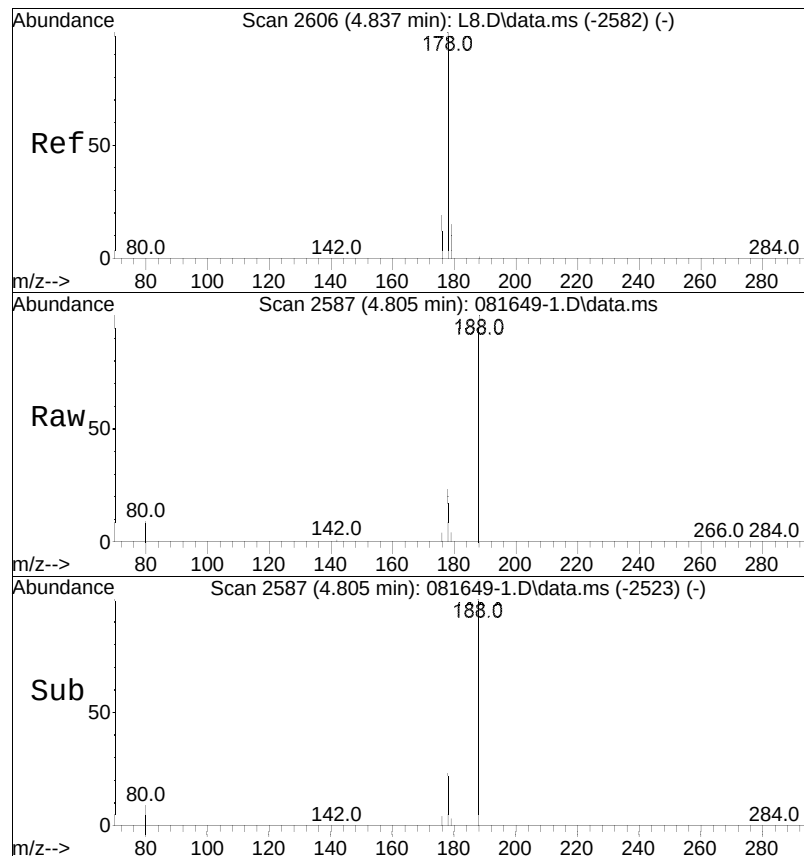




#25
 Hexachlorobenzene
 Concen: 5.11 ng/ml
 RT: 4.573 min Scan# 2397
 Delta R.T. -0.001 min
 Lab File: 081649-1.D
 Acq: 23 Jun 2025 12:23 pm

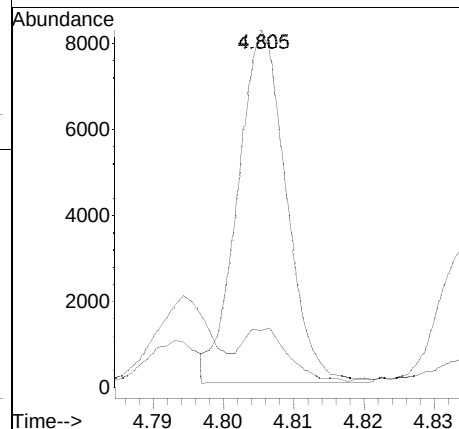
Tgt Ion	Ratio	Lower	Upper
284	100		
142	36.1	28.8	43.2

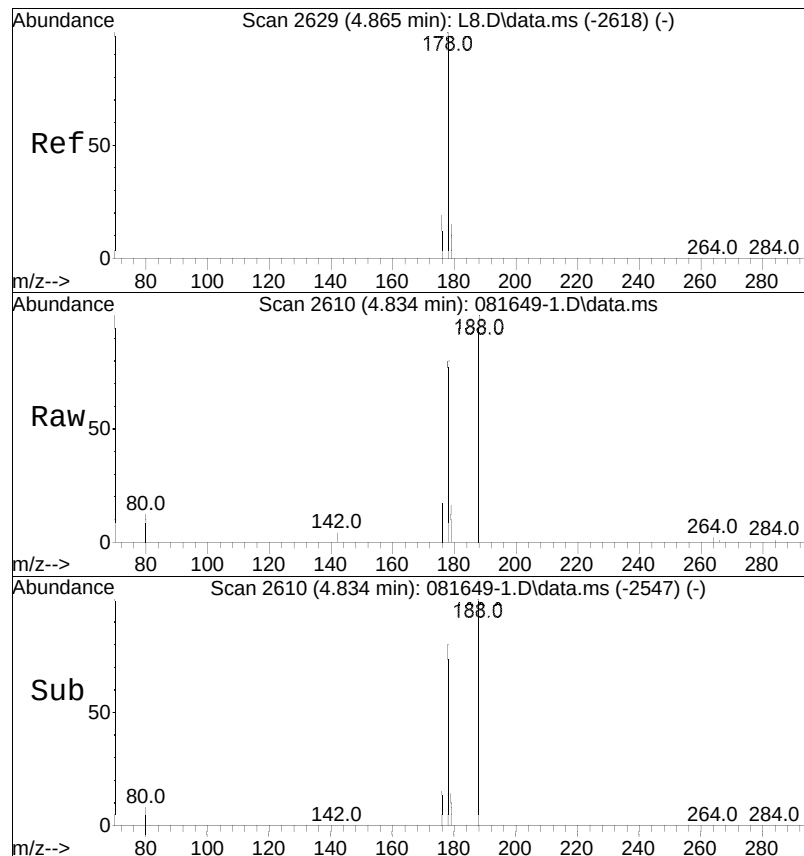




#27
 Phenanthrene
 Concen: 9.68 ng/ml
 RT: 4.805 min Scan# 2587
 Delta R.T. -0.001 min
 Lab File: 081649-1.D
 Acq: 23 Jun 2025 12:23 pm

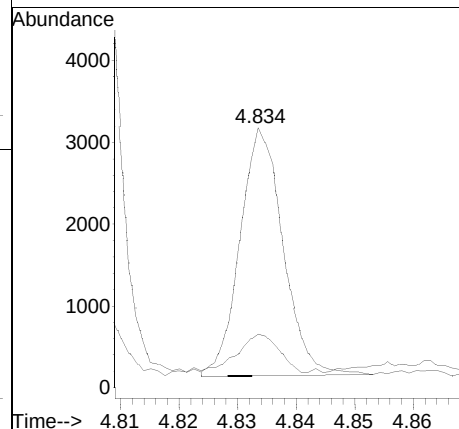
Tgt Ion	Ratio	Lower	Upper
178	100		
179	13.7	12.4	18.6

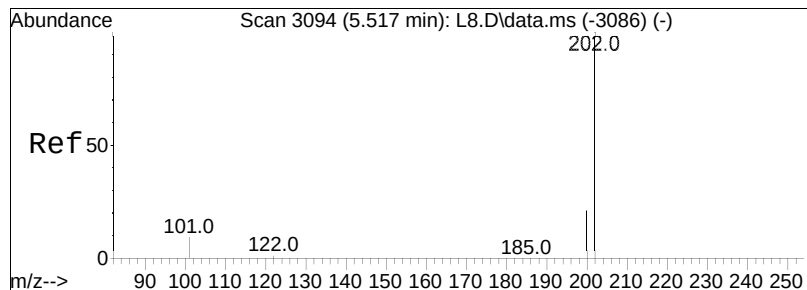




#28
 Anthracene
 Concen: 3.93 ng/ml
 RT: 4.834 min Scan# 2610
 Delta R.T. -0.003 min
 Lab File: 081649-1.D
 Acq: 23 Jun 2025 12:23 pm

Tgt Ion	Ratio	Lower	Upper
178	100		
179	18.8	12.2	18.2#





#29

Fluoranthene

Concen: 4.53 ng/ml

RT: 5.504 min Scan# 3093

Delta R.T. -0.013 min

Lab File: 081649-1.D

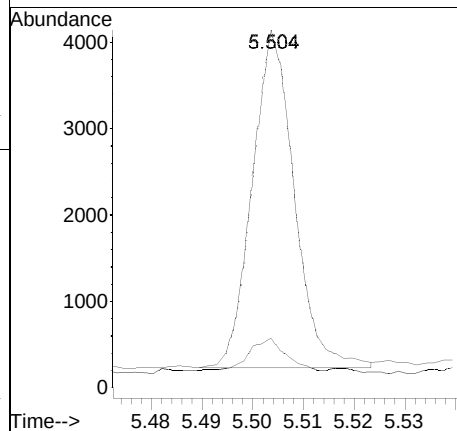
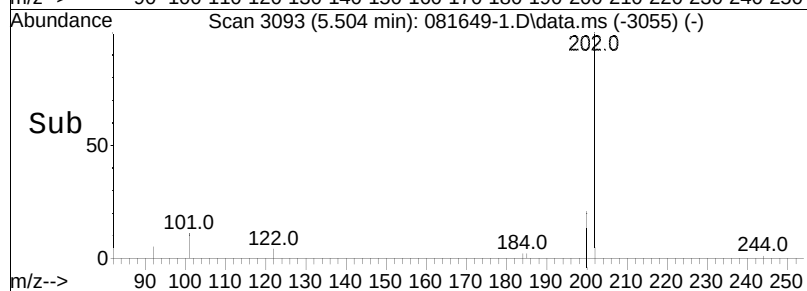
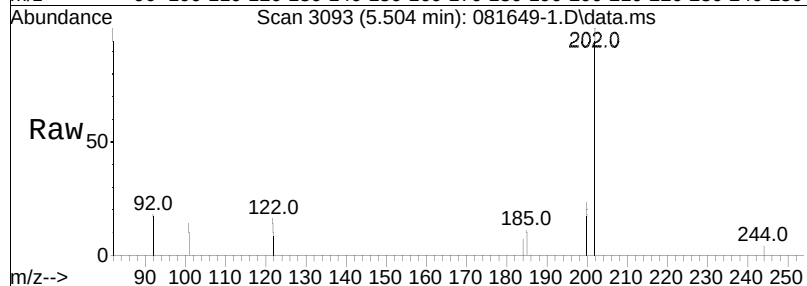
Acq: 23 Jun 2025 12:23 pm

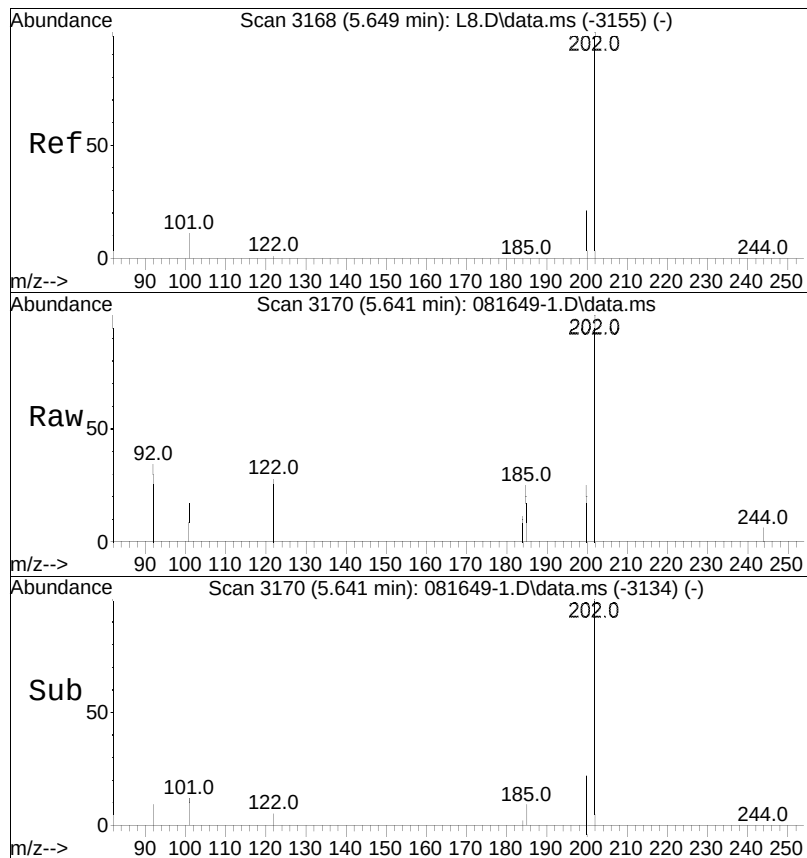
Tgt Ion: 202 Resp: 2221

Ion Ratio Lower Upper

202 100

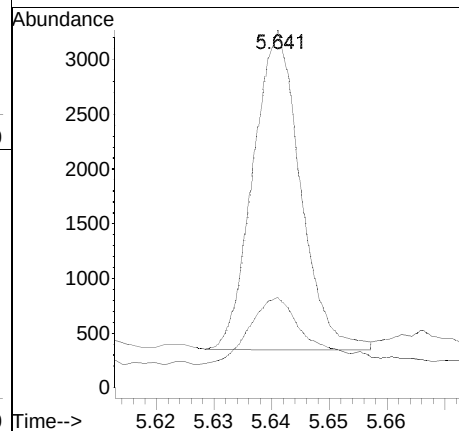
101 8.3 7.5 11.3





#30
 Pyrene
 Concen: 3.29 ng/ml M3
 RT: 5.641 min Scan# 3170
 Delta R.T. -0.016 min
 Lab File: 081649-1.D
 Acq: 23 Jun 2025 12:23 pm

Tgt Ion	Ratio	Lower	Upper
202	100		
200	23.2	17.0	25.4

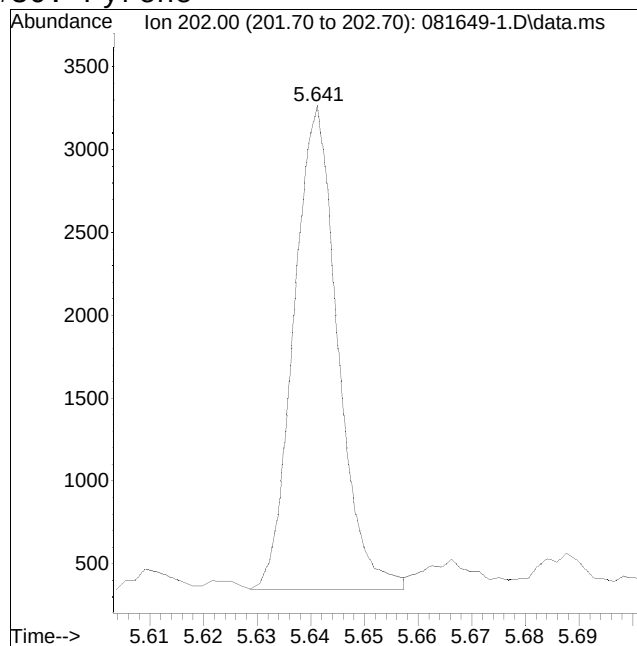
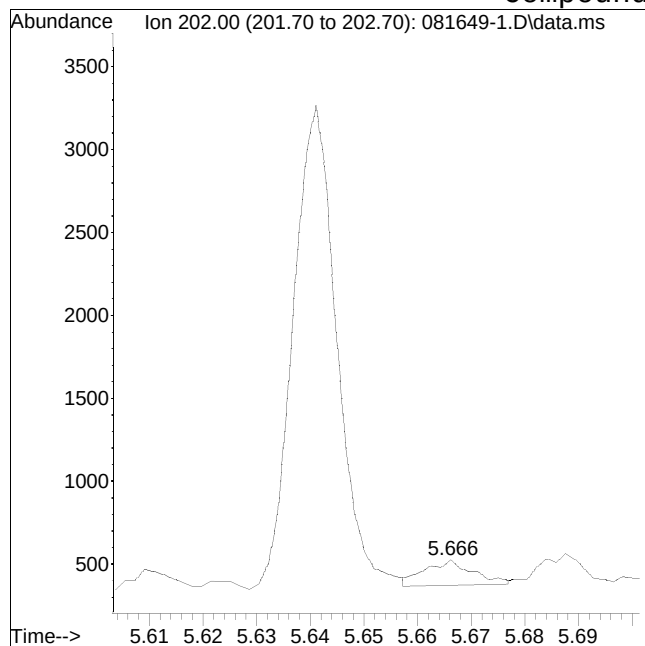


Manual Integration Report

Data Path : I:\8270SIM\sv119\250623RVTQ
Data File : 081649-1.D
Date Inj'd : 6/23/2025 12:23 pm
Sample : WG2081652-1,32,,jjw

Method : SIM-RVT_250618_sv119.M
Operator : sv119:rp
Instrument : SV119
Quant Date : 6/23/2025 12:37 pm

Compound #30: Pyrene



Original Peak Response = 95

Manual Peak Response = 1664 M3

M3 = Misidentification of the peak (i.e. 1,4-dichlorobenzene identified as 1,3-dichlorobenzene), or misidentification from 2 partially resolved peaks not being split.

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250623RVT\
 Data File : 081649-2.D
 Acq On : 23 Jun 2025 11:49 am
 Operator : sv119:rp
 Sample : WG2081652-2,32,,jjw
 Misc : WG2082224,WG2081652,ical22394
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 23 17:57:24 2025
 Quant Method : I:\8270sim\sv119\250623RVT\SIM-RVT_250618_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Jun 23 09:30:43 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\250623RVT\ccv0623a.D
 Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.307	152	274424	4000.000	ng/ml	0.00
Standard Area 1 = 223163			Recovery	=	122.97%	
9) Naphthalene-d8	2.966	136	1034935	4000.000	ng/ml	0.00
Standard Area 1 = 839534			Recovery	=	123.27%	
18) Acenaphthene-d10	3.945	164	615117	4000.000	ng/ml	0.00
Standard Area 1 = 501334			Recovery	=	122.70%	
23) Phenanthrene-d10	4.794	188	1334065	4000.000	ng/ml	0.00
Standard Area 1 = 1091615			Recovery	=	122.21%	
33) Chrysene-d12	6.420	240	1366233	4000.000	ng/ml	-0.03
Standard Area 1 = 1163786			Recovery	=	117.40%	
38) Perylene-d12	7.711	264	1448263	4000.000	ng/ml	-0.03
Standard Area 1 = 1221164			Recovery	=	118.60%	
System Monitoring Compounds						
3) 2-Fluorophenol	1.728	112	95436	1238.226	ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	61.91%	
4) Phenol-d6	2.118	99	91737	916.698	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	45.83%	
8) Nitrobenzene-d5	2.584	82	62594	758.228	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	75.82%	
14) 2-Fluorobiphenyl	3.562	172	162271	693.011	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	69.30%	
22) 2,4,6-Tribromophenol	4.394	330	50136	1624.766	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	81.24%	
32) 4-Terphenyl-d14	5.739	244	270414	901.538	ng/ml	-0.02
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	90.15%	
Target Compounds						
						Qvalue
5) Bis(2-chloroethyl)ether	2.170	93	124803	1545.350	ng/ml	99
7) Hexachloroethane	2.564	117	36250	995.205	ng/ml	97
10) Naphthalene	2.977	128	351520	1296.347	ng/ml	100
11) Hexachlorobutadiene	3.048	225	55236	1028.784	ng/ml	100
12) 2-Methylnaphthalene	3.357	142	233716	1299.819	ng/ml	100
15) 2-Chloronaphthalene	3.629	162	270339	1340.633	ng/ml	98
17) Acenaphthylene	3.863	152	488176	1456.375	ng/ml	100
19) Acenaphthene	3.962	153	291846	1428.402	ng/ml	95
21) Fluorene	4.255	166	372965	1525.861	ng/ml	99
25) Hexachlorobenzene	4.575	284	137059	1659.907	ng/ml	94

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250623RVT\
 Data File : 081649-2.D
 Acq On : 23 Jun 2025 11:49 am
 Operator : sv119:rp
 Sample : WG2081652-2,32,,jjw
 Misc : WG2082224,WG2081652,ical22394
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 23 17:57:24 2025
 Quant Method : I:\8270sim\sv119\250623RVT\SIM-RVT_250618_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Jun 23 09:30:43 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\250623RVT\ccv0623a.D
 Sub List : DEFAULT - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26)	Pentachlorophenol	4.688	266	66659	1698.101	ng/ml	99
27)	Phenanthrene	4.807	178	596676	1505.034	ng/ml	100
28)	Anthracene	4.835	178	594100	1536.047	ng/ml	100
29)	Fluoranthene	5.505	202	770836	1598.552	ng/ml	100
30)	Pyrene	5.641	202	775052	1557.756	ng/ml	100
34)	Benzo[a]anthracene	6.412	228	765032	1593.793	ng/ml	100
36)	Chrysene	6.438	228	733233	1632.482	ng/ml	99
39)	Benzo[b]fluoranthene	7.314	252	727298	1666.276	ng/ml	98
40)	Benzo[k]fluoranthene	7.340	252	783675	1700.104	ng/ml	98
41)	Benzo[a]pyrene	7.643	252	610030	1535.740	ng/ml	99
42)	Indeno[1,2,3-cd]pyrene	9.003	276	607941	1461.928	ng/ml	97
43)	Dibenzo[a,h]anthracene	9.041	278	615528M6	1549.001	ng/ml	
44)	Benzo[g,h,i]perylene	9.362	276	677590	1589.670	ng/ml	97

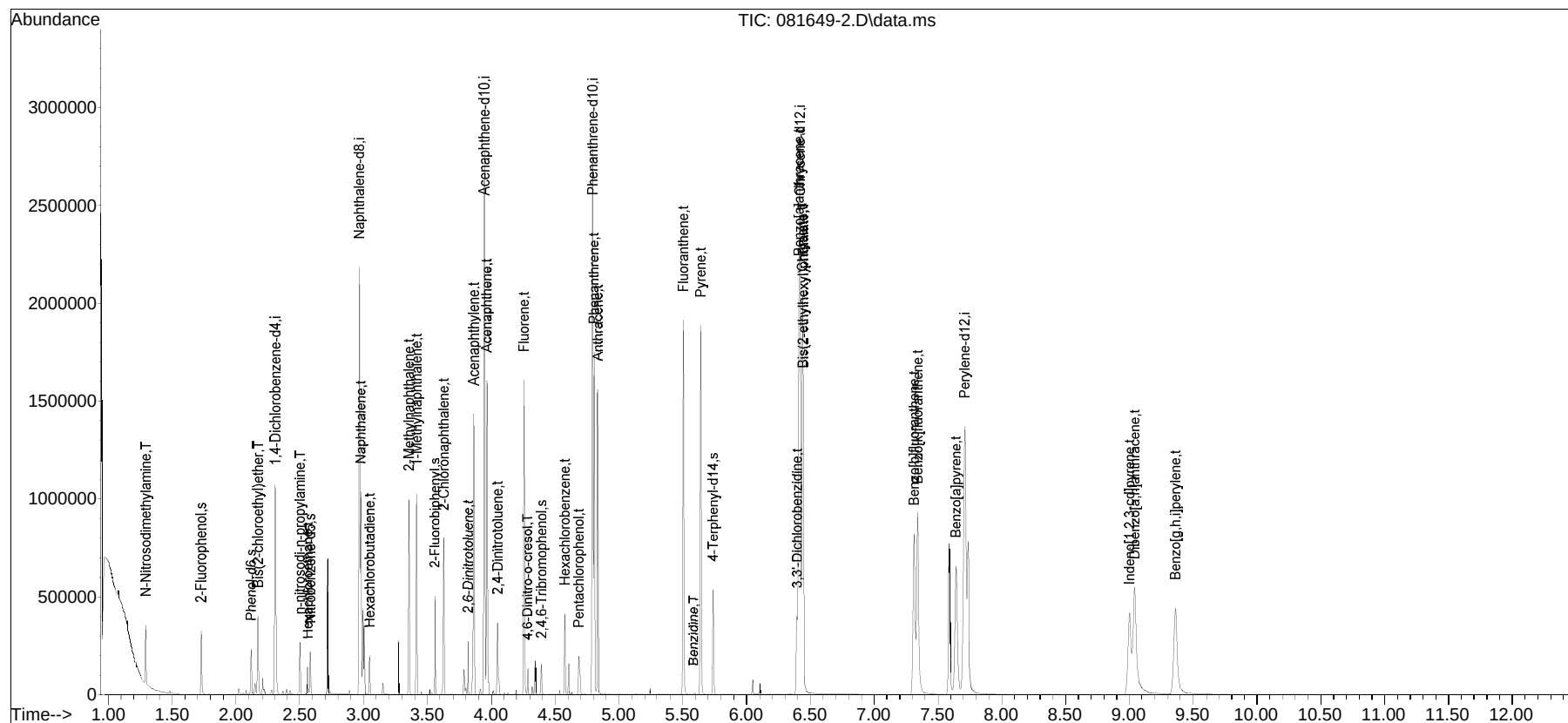
(#) = qualifier out of range (m) = manual integration (+) = signals summed

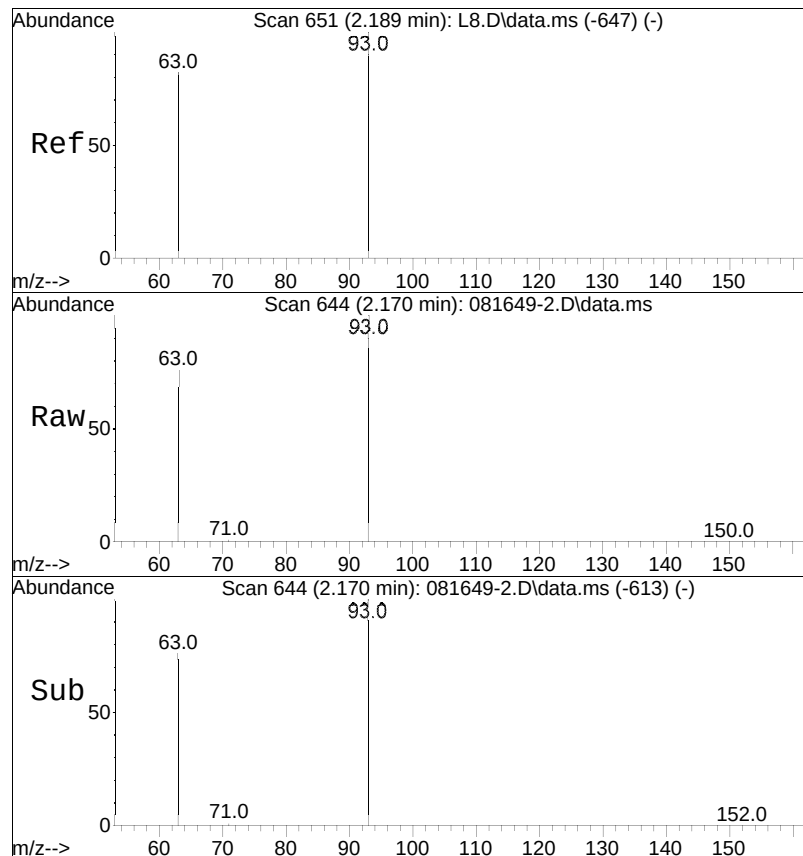
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250623RVT\
 Data File : 081649-2.D
 Acq On : 23 Jun 2025 11:49 am
 Operator : sv119:rp
 Sample : WG2081652-2,32,,jjw
 Misc : WG2082224,WG2081652,ical22394
 ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jun 23 17:57:24 2025
 Quant Method : I:\8270sim\sv119\250623RVT\SIM-RVT_250618_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Jun 23 09:30:43 2025
 Response via : Initial Calibration

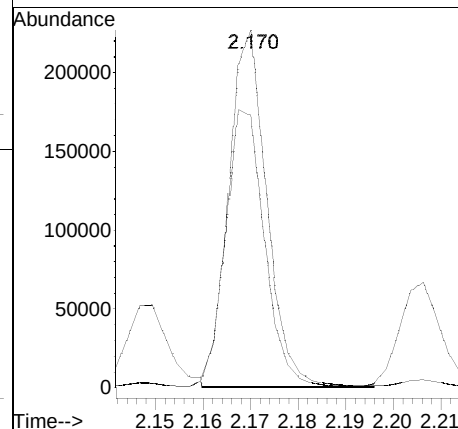
Sub List : DEFAULT - All compounds listed\ccv0623a.D•

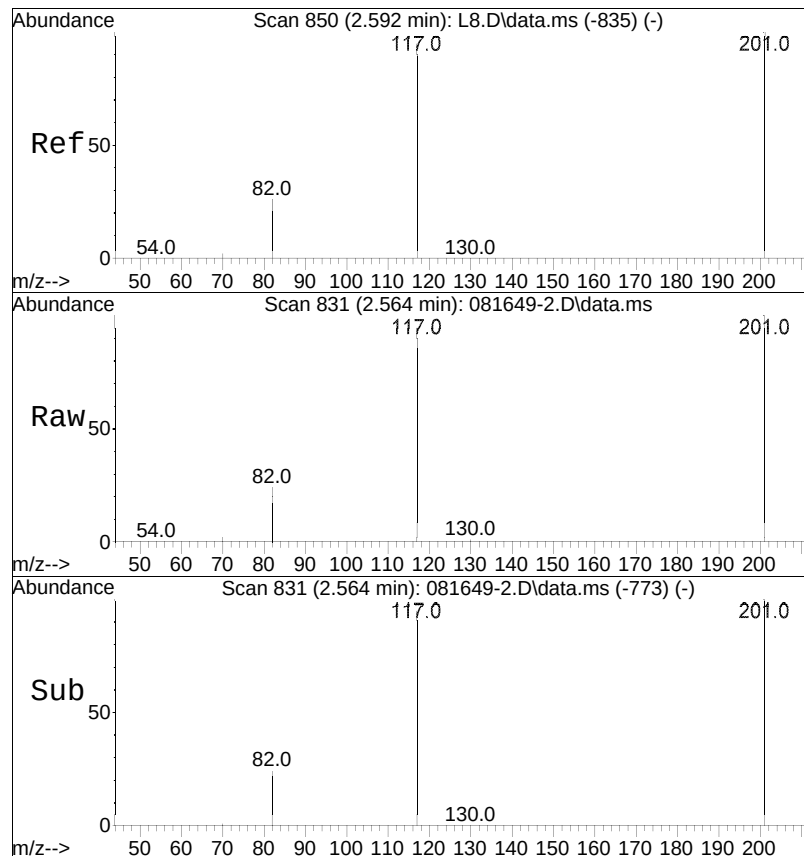




#5
 Bis(2-chloroethyl)ether
 Concen: 1545.35 ng/ml
 RT: 2.170 min Scan# 644
 Delta R.T. 0.001 min
 Lab File: 081649-2.D
 Acq: 23 Jun 2025 11:49 am

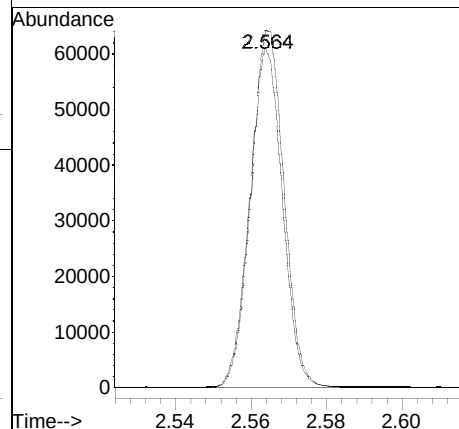
Tgt Ion	Ratio	Lower	Upper
93	100		
63	79.7	62.9	94.3

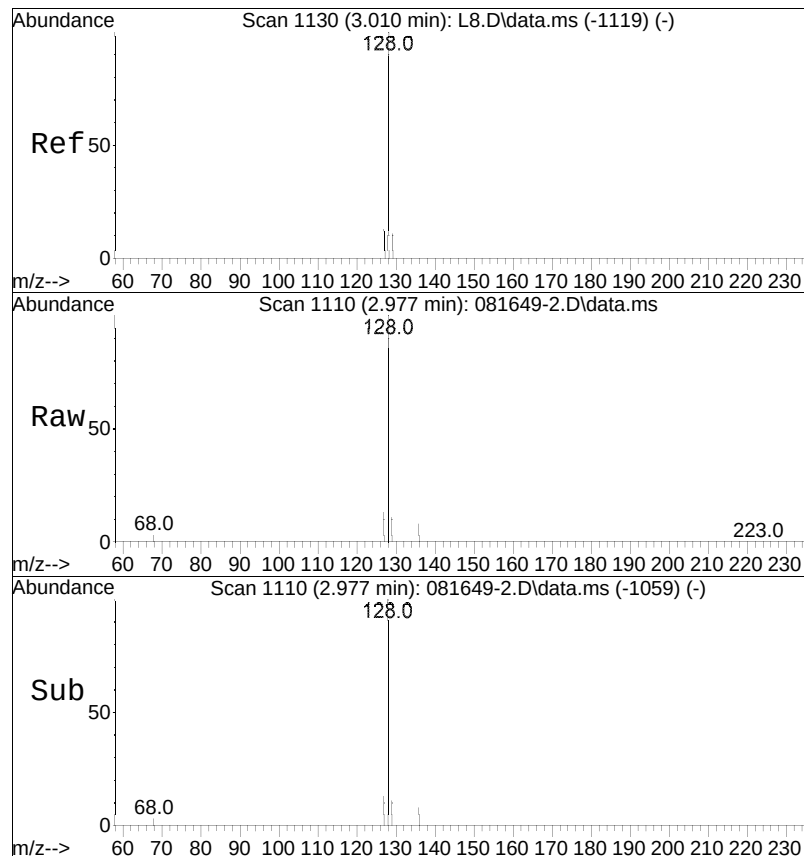




#7
 Hexachloroethane
 Concen: 995.20 ng/ml
 RT: 2.564 min Scan# 831
 Delta R.T. 0.001 min
 Lab File: 081649-2.D
 Acq: 23 Jun 2025 11:49 am

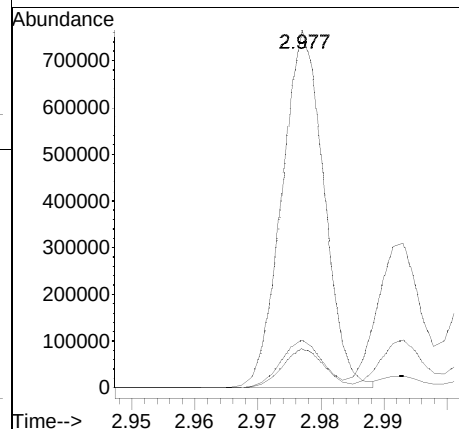
Tgt Ion	Ratio	Lower	Upper
117	100		
201	106.3	82.9	124.3

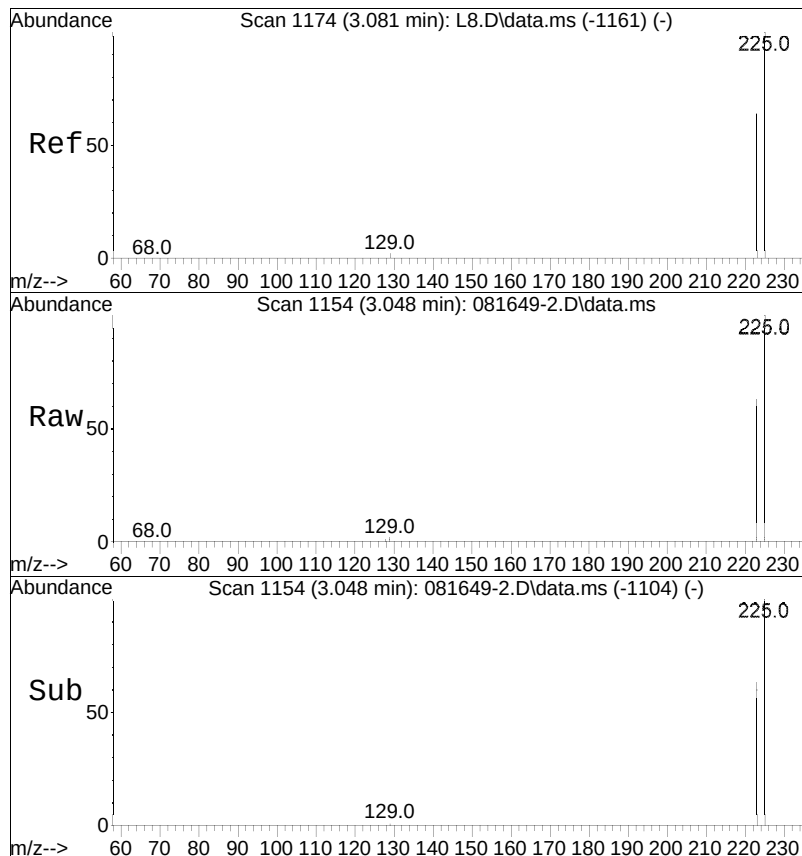




#10
 Naphthalene
 Concen: 1296.35 ng/ml
 RT: 2.977 min Scan# 1110
 Delta R.T. 0.001 min
 Lab File: 081649-2.D
 Acq: 23 Jun 2025 11:49 am

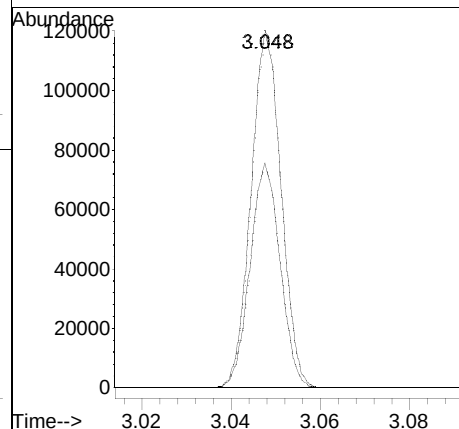
Tgt Ion	Ratio	Resp	Lower	Upper
128	100	351520		
129	11.1		8.8	13.2
127	13.3		10.6	15.8

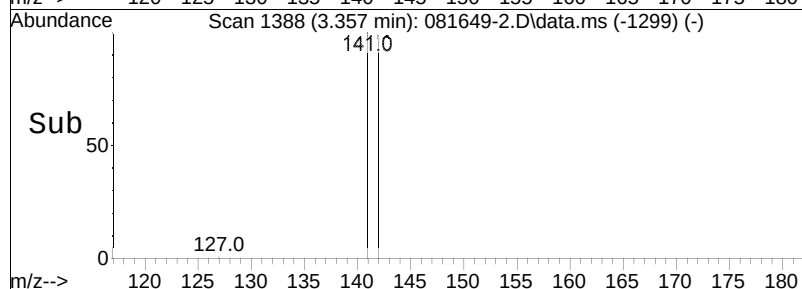
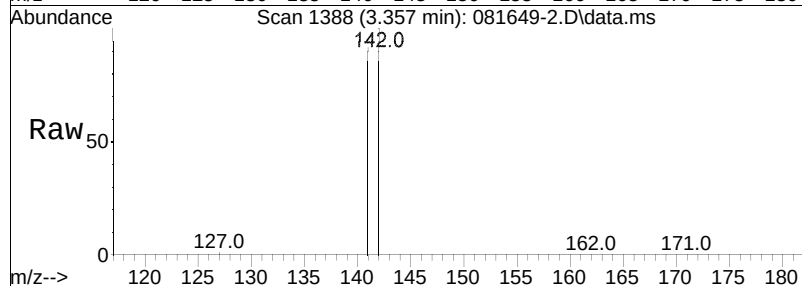
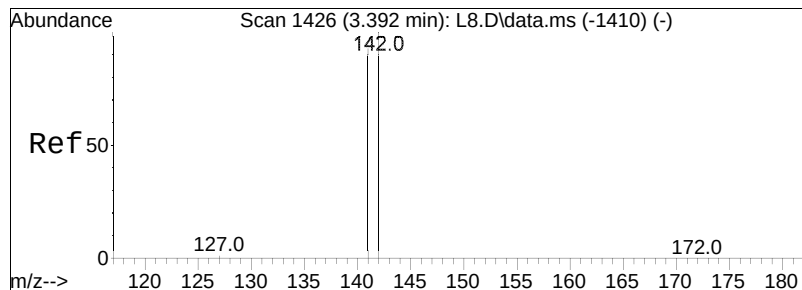




#11
 Hexachlorobutadiene
 Concen: 1028.78 ng/ml
 RT: 3.048 min Scan# 1154
 Delta R.T. -0.000 min
 Lab File: 081649-2.D
 Acq: 23 Jun 2025 11:49 am

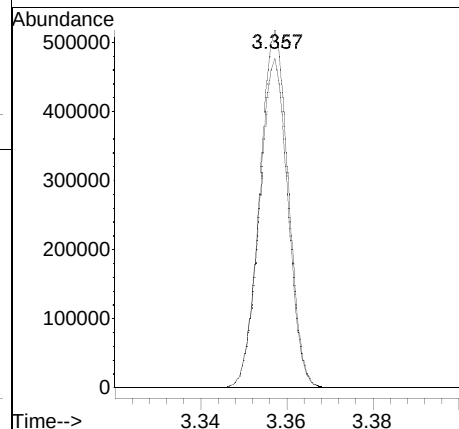
Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.9	50.2	75.4

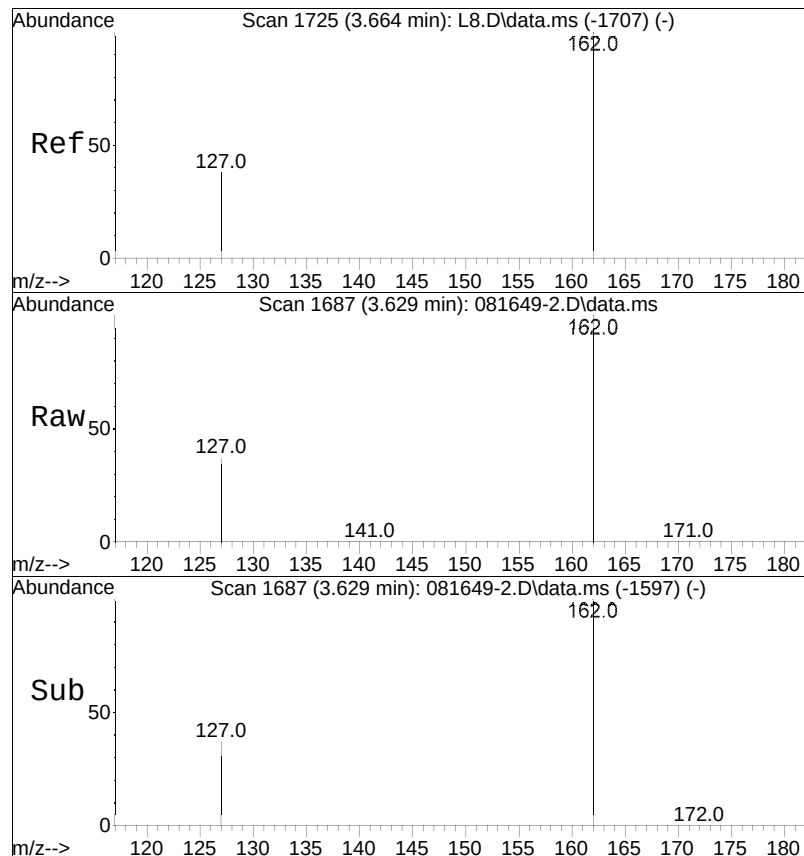




#12
 2-Methylnaphthalene
 Concen: 1299.82 ng/ml
 RT: 3.357 min Scan# 1388
 Delta R.T. 0.001 min
 Lab File: 081649-2.D
 Acq: 23 Jun 2025 11:49 am

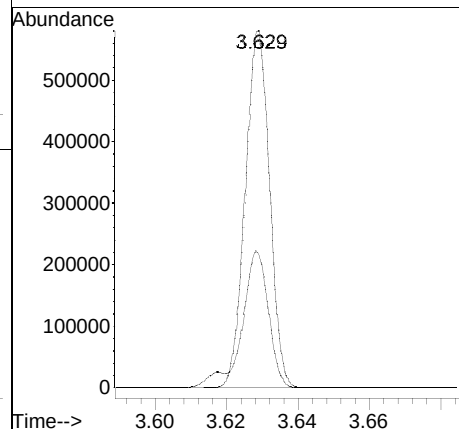
Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.0	73.6	110.4

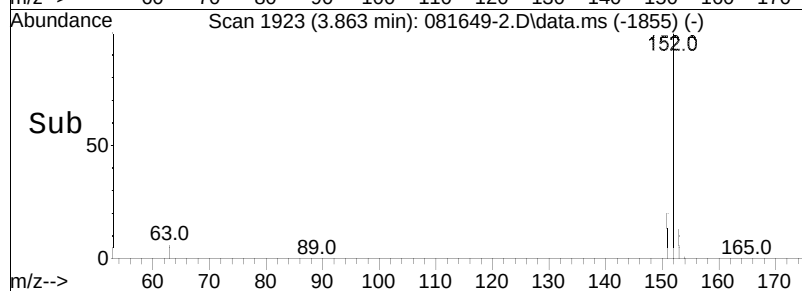
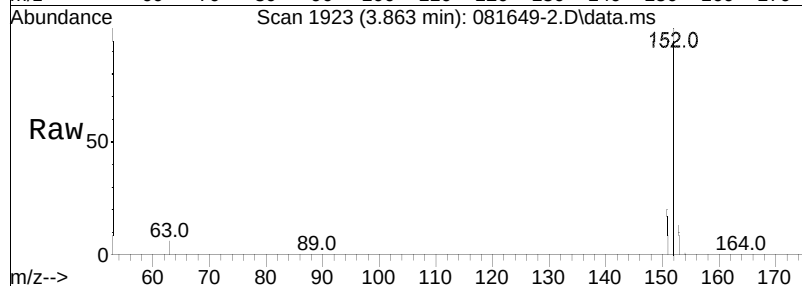
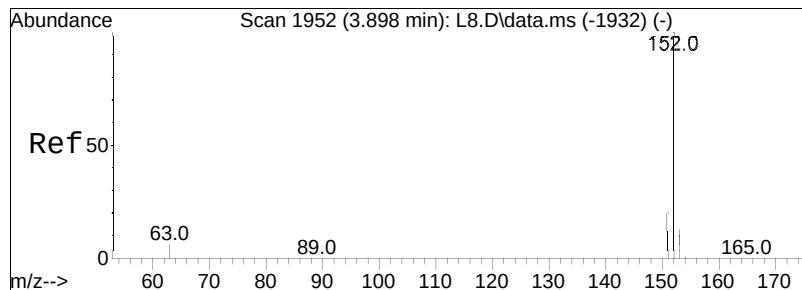




#15
 2-Chloronaphthalene
 Concen: 1340.63 ng/ml
 RT: 3.629 min Scan# 1687
 Delta R.T. 0.002 min
 Lab File: 081649-2.D
 Acq: 23 Jun 2025 11:49 am

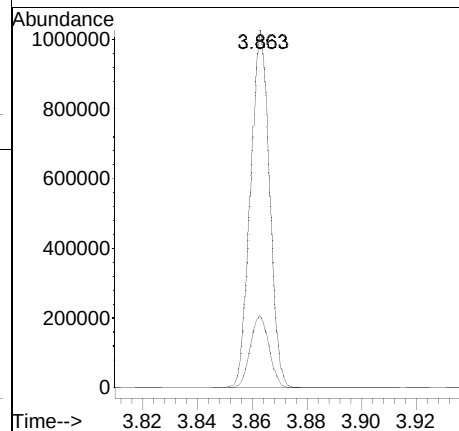
Tgt Ion:	162	Resp:	270339
Ion Ratio	Lower	Upper	
162	100		
127	38.7	29.8	44.8

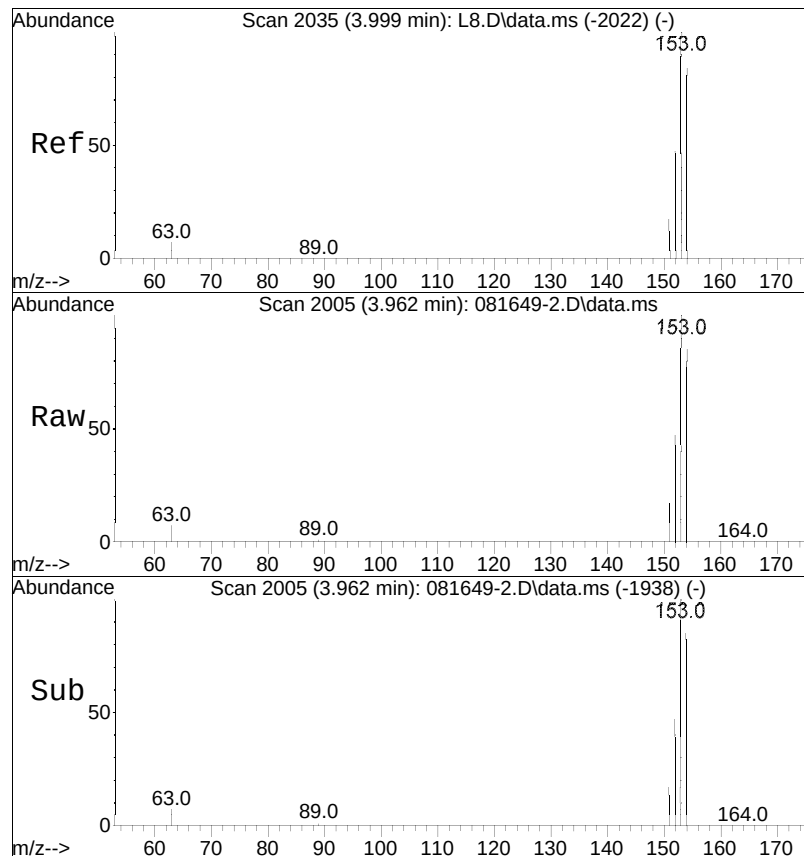




#17
 Acenaphthylene
 Concen: 1456.38 ng/ml
 RT: 3.863 min Scan# 1923
 Delta R.T. 0.001 min
 Lab File: 081649-2.D
 Acq: 23 Jun 2025 11:49 am

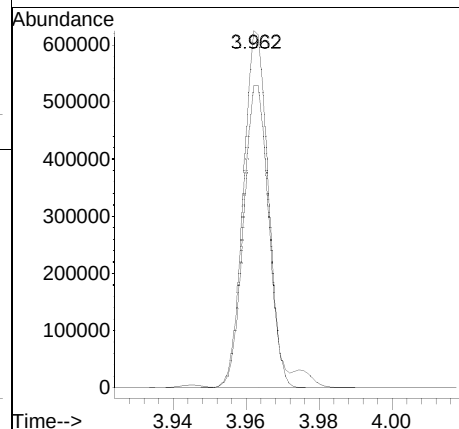
Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.2	24.2

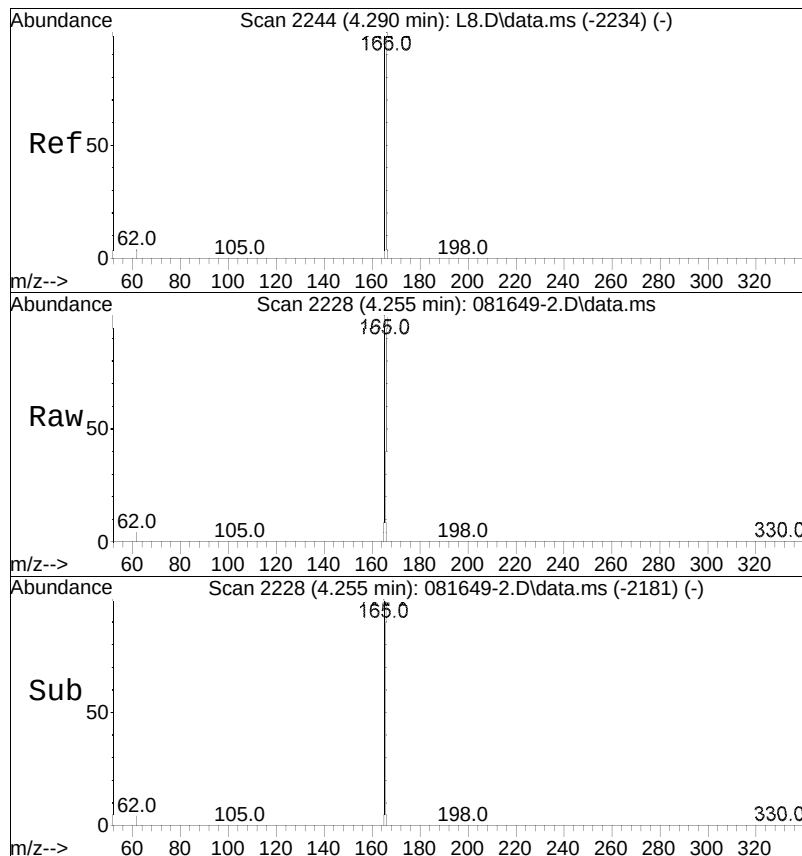




#19
 Acenaphthene
 Concen: 1428.40 ng/ml
 RT: 3.962 min Scan# 2005
 Delta R.T. 0.001 min
 Lab File: 081649-2.D
 Acq: 23 Jun 2025 11:49 am

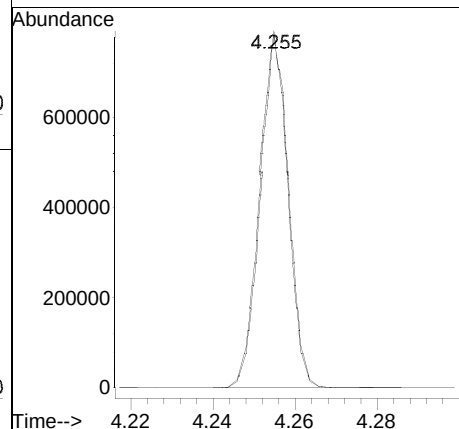
Tgt Ion	Ratio	Lower	Upper
153	100		
154	85.5	72.0	108.0

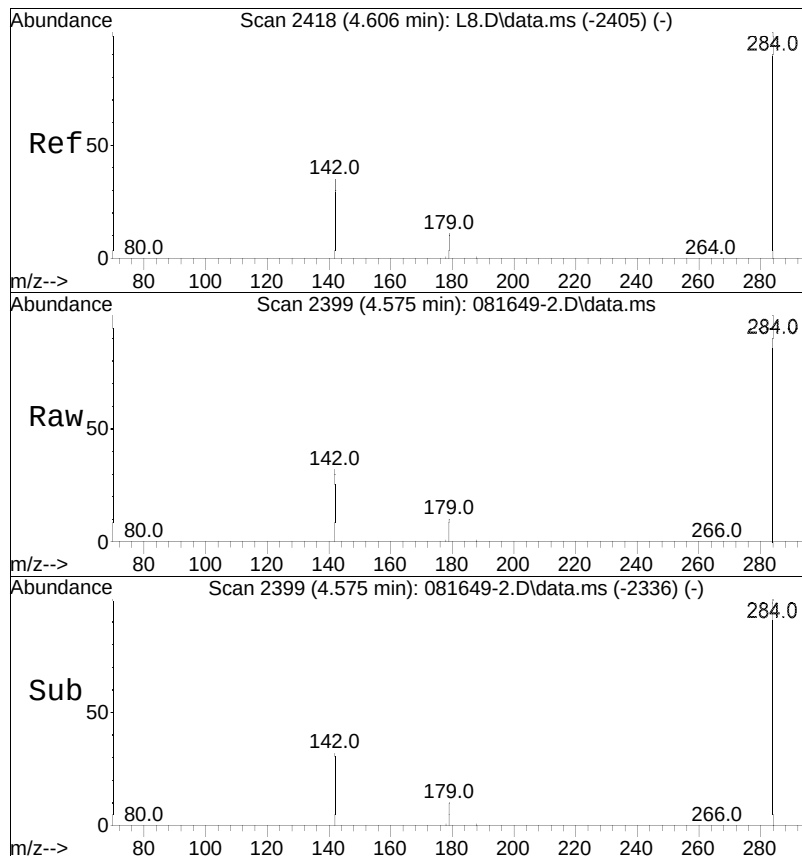




#21
 Fluorene
 Concen: 1525.86 ng/ml
 RT: 4.255 min Scan# 2228
 Delta R.T. -0.000 min
 Lab File: 081649-2.D
 Acq: 23 Jun 2025 11:49 am

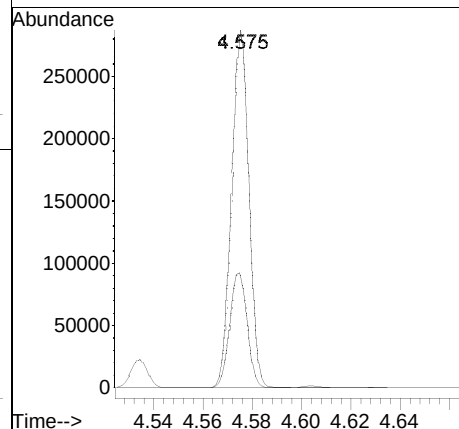
Tgt Ion	Ratio	Lower	Upper
166	100		
165	101.0	81.5	122.3

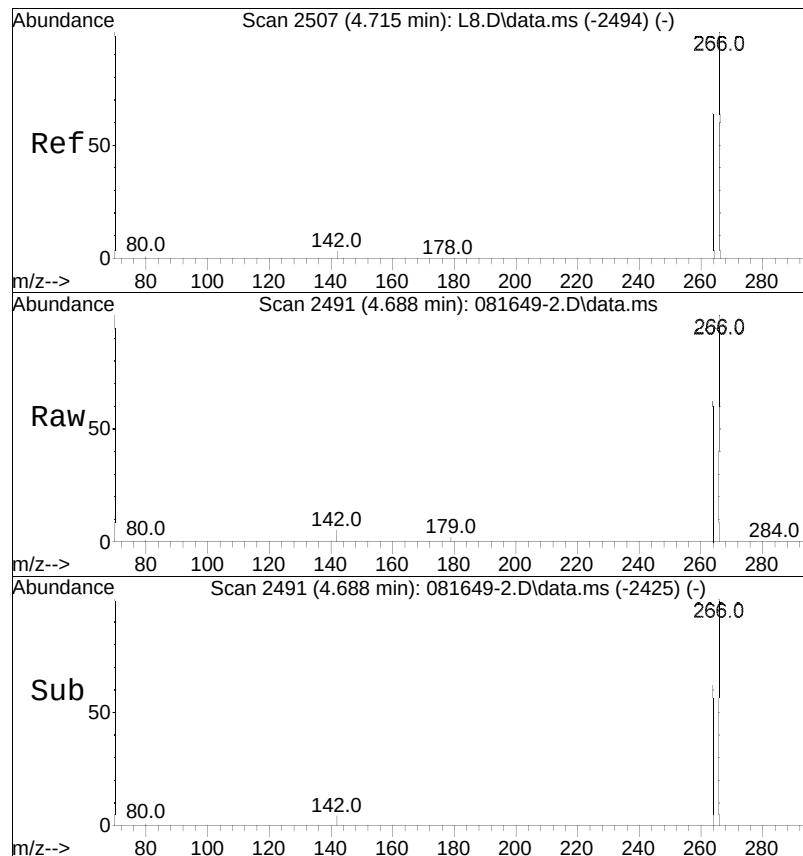




#25
 Hexachlorobenzene
 Concen: 1659.91 ng/ml
 RT: 4.575 min Scan# 2399
 Delta R.T. 0.001 min
 Lab File: 081649-2.D
 Acq: 23 Jun 2025 11:49 am

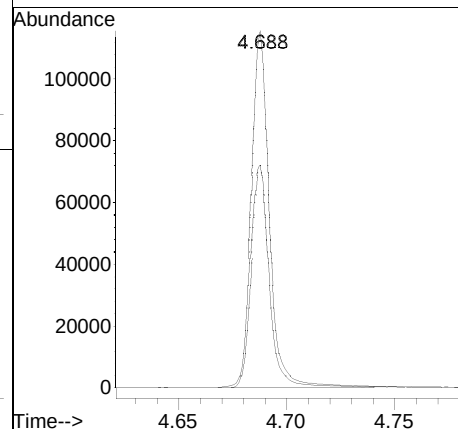
Tgt Ion	Ratio	Lower	Upper
284	100		
142	32.5	28.8	43.2

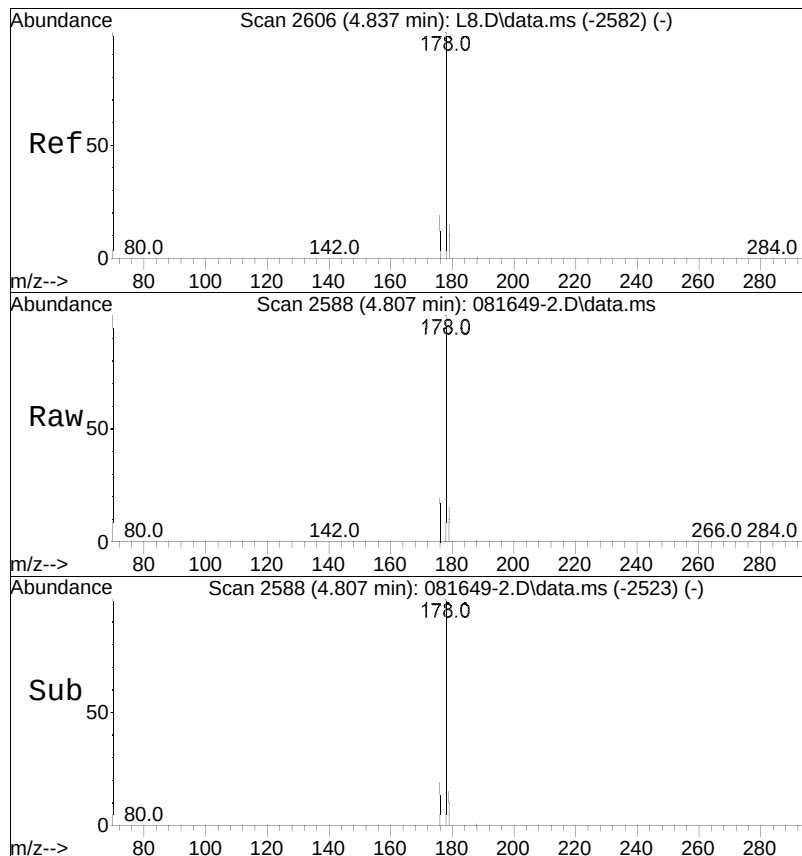




#26
 Pentachlorophenol
 Concen: 1698.10 ng/ml
 RT: 4.688 min Scan# 2491
 Delta R.T. 0.001 min
 Lab File: 081649-2.D
 Acq: 23 Jun 2025 11:49 am

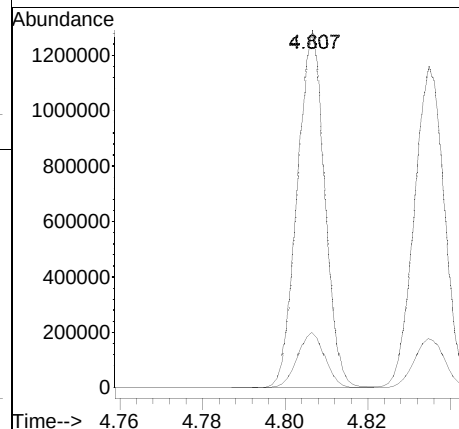
Tgt Ion	Ratio	Lower	Upper
266	100		
264	62.6	50.6	76.0

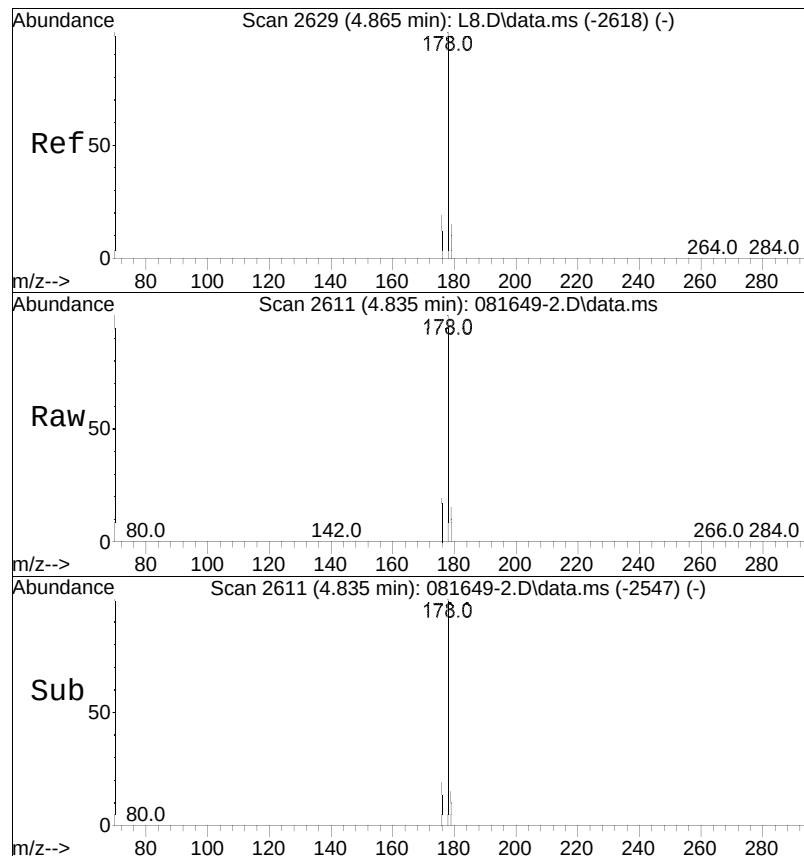




#27
 Phenanthrene
 Concen: 1505.03 ng/ml
 RT: 4.807 min Scan# 2588
 Delta R.T. -0.000 min
 Lab File: 081649-2.D
 Acq: 23 Jun 2025 11:49 am

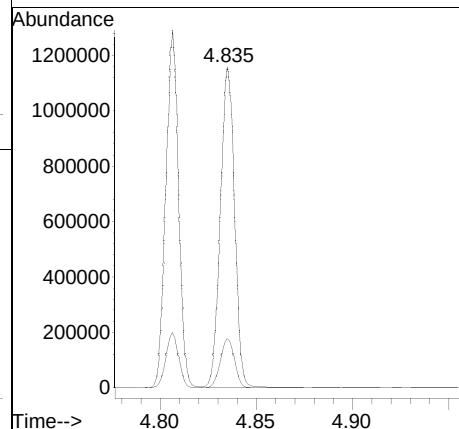
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.4	18.6

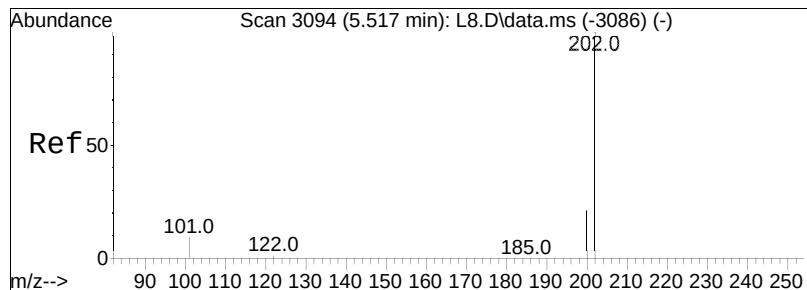




#28
 Anthracene
 Concen: 1536.05 ng/ml
 RT: 4.835 min Scan# 2611
 Delta R.T. -0.001 min
 Lab File: 081649-2.D
 Acq: 23 Jun 2025 11:49 am

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.2	12.2	18.2





#29

Fluoranthene

Concen: 1598.55 ng/ml

RT: 5.505 min Scan# 3094

Delta R.T. -0.011 min

Lab File: 081649-2.D

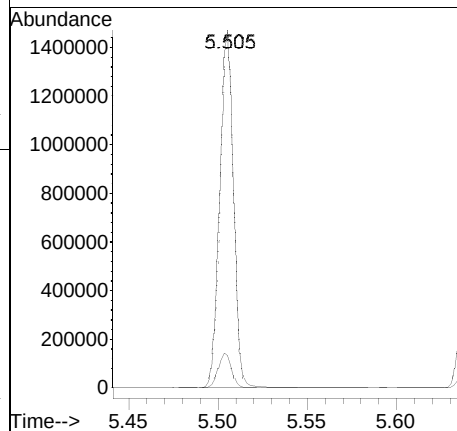
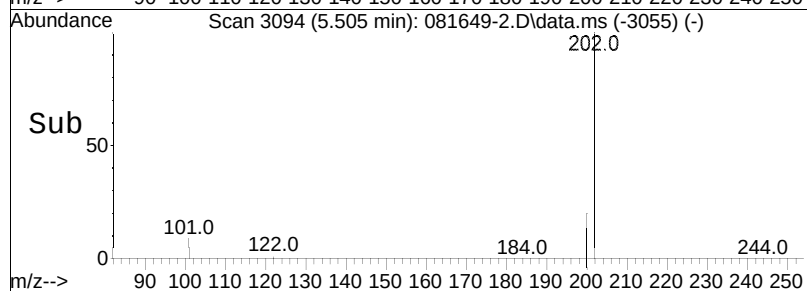
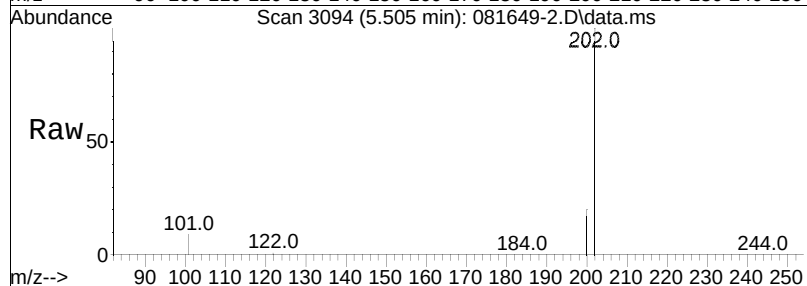
Acq: 23 Jun 2025 11:49 am

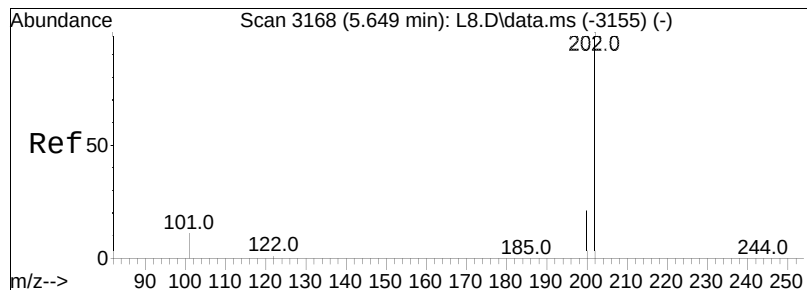
Tgt Ion: 202 Resp: 770836

Ion Ratio Lower Upper

202 100

101 9.6 7.5 11.3





#30

Pyrene

Concen: 1557.76 ng/ml

RT: 5.641 min Scan# 3170

Delta R.T. -0.016 min

Lab File: 081649-2.D

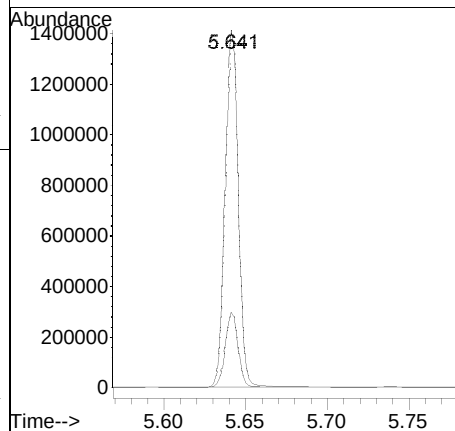
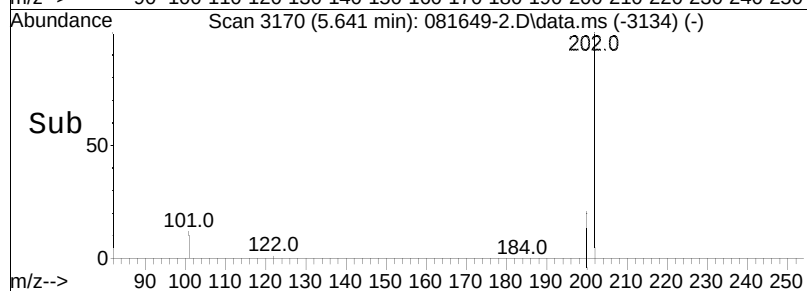
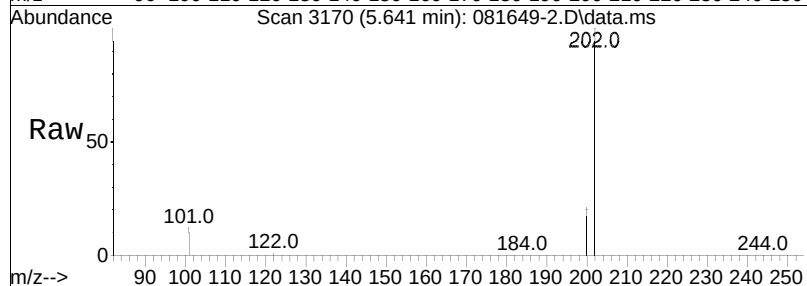
Acq: 23 Jun 2025 11:49 am

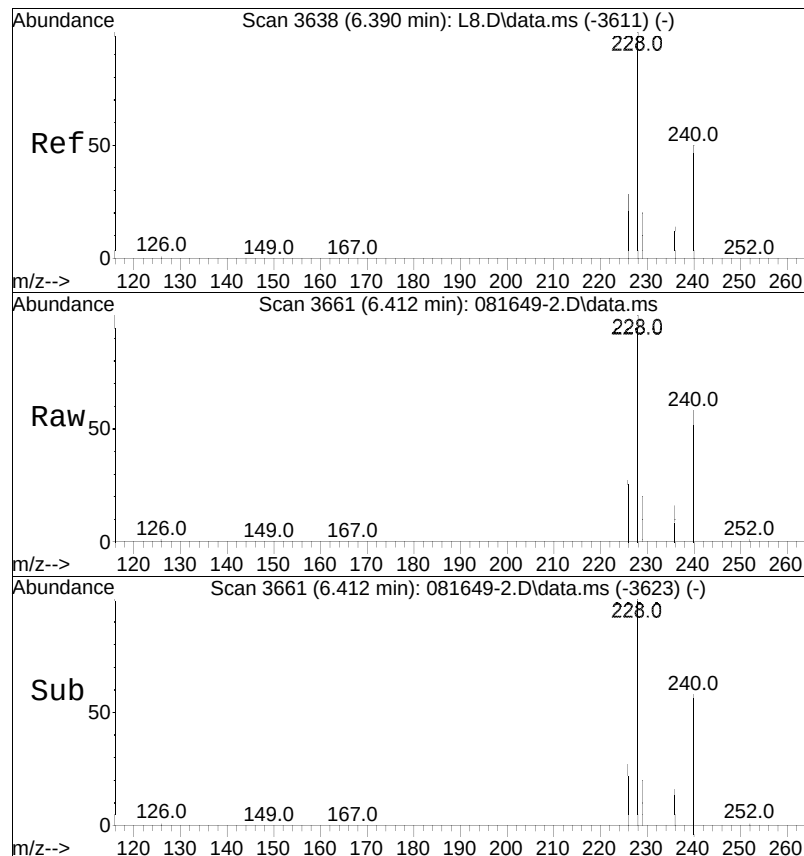
Tgt Ion: 202 Resp: 775052

Ion Ratio Lower Upper

202 100

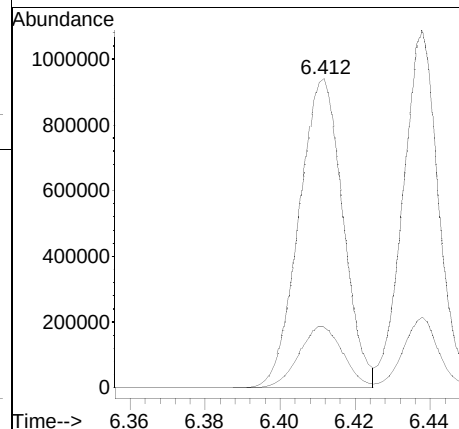
200 21.0 17.0 25.4

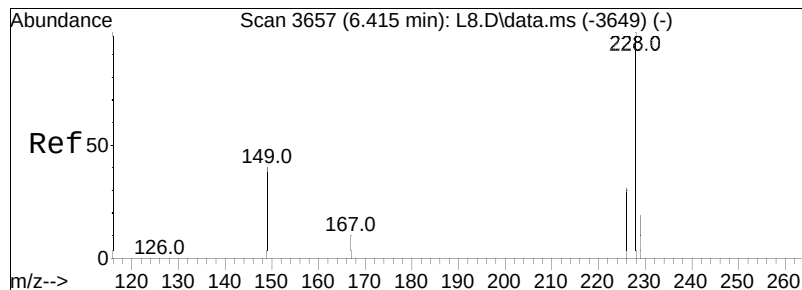




#34
 Benzo[a]anthracene
 Concen: 1593.79 ng/ml
 RT: 6.412 min Scan# 3661
 Delta R.T. -0.031 min
 Lab File: 081649-2.D
 Acq: 23 Jun 2025 11:49 am

Tgt	Ion	Ratio	Lower	Upper
228	100			
229	19.8	15.8	23.6	





#36

Chrysene

Concen: 1632.48 ng/ml

RT: 6.438 min Scan# 3681

Delta R.T. -0.031 min

Lab File: 081649-2.D

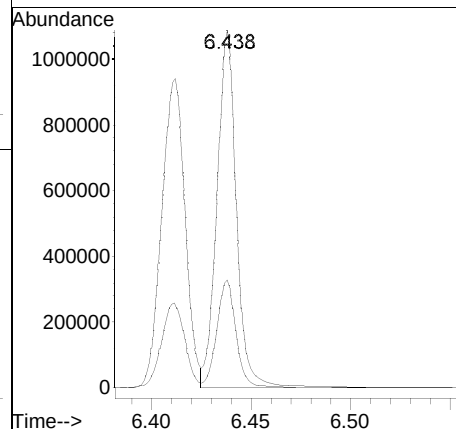
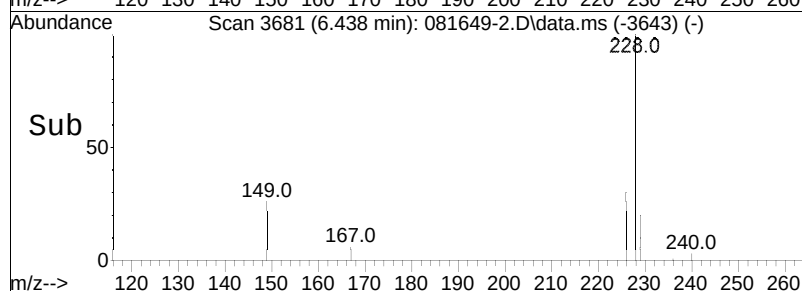
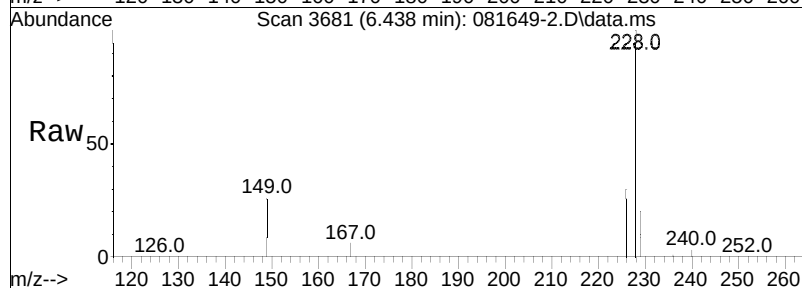
Acq: 23 Jun 2025 11:49 am

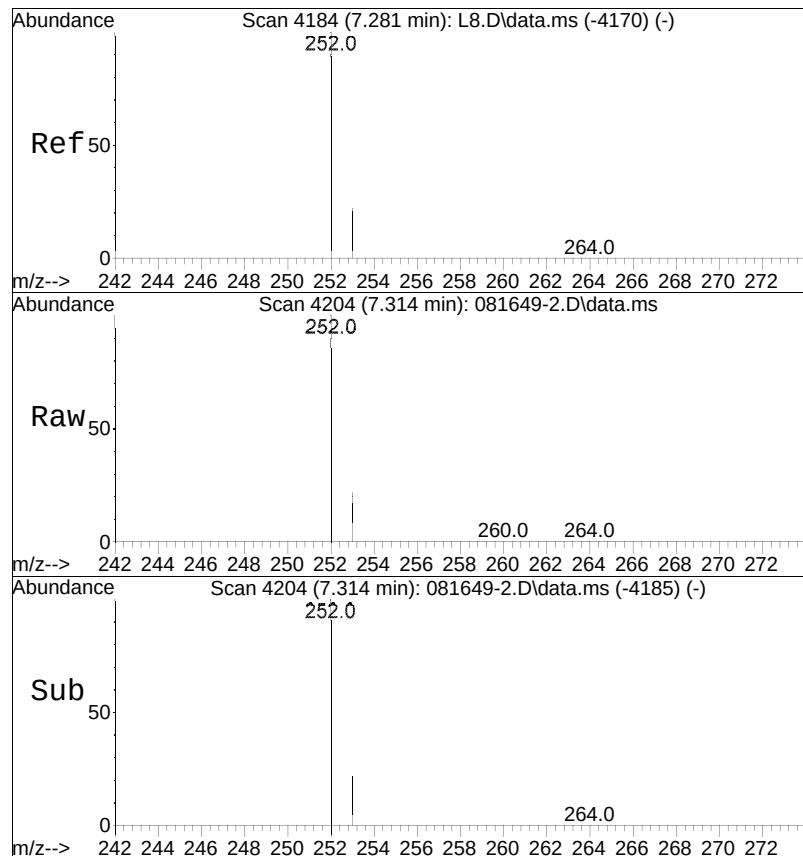
Tgt Ion: 228 Resp: 733233

Ion Ratio Lower Upper

228 100

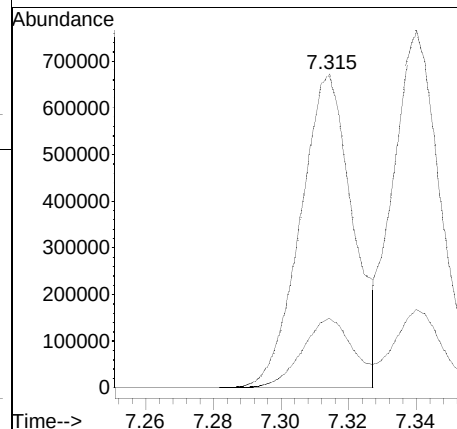
226 30.2 24.6 37.0

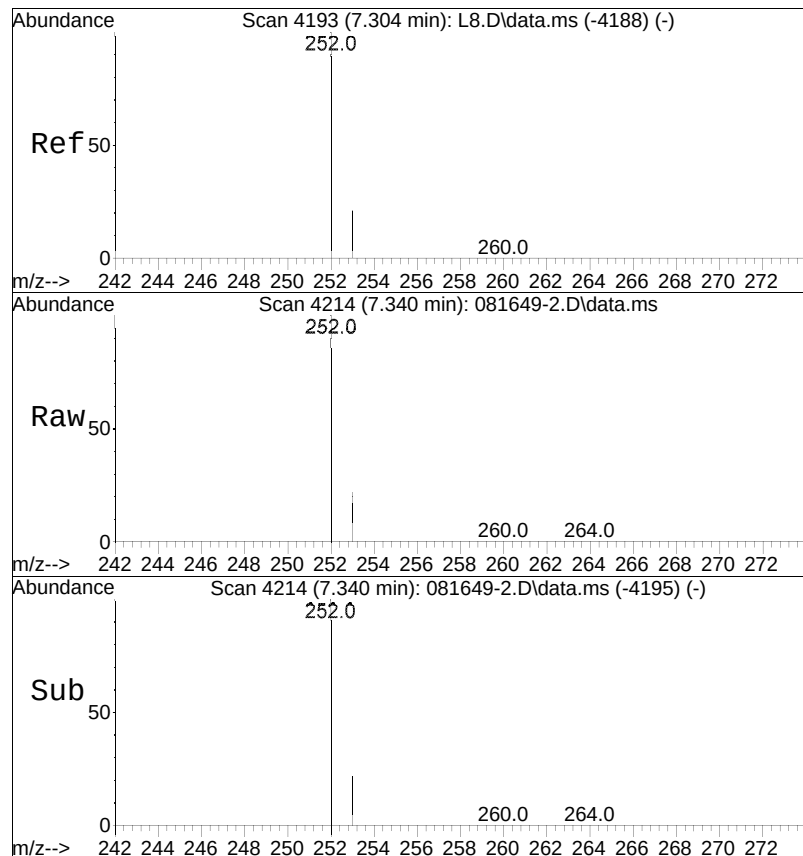




#39
 Benzo[b]fluoranthene
 Concen: 1666.28 ng/ml
 RT: 7.314 min Scan# 4204
 Delta R.T. -0.032 min
 Lab File: 081649-2.D
 Acq: 23 Jun 2025 11:49 am

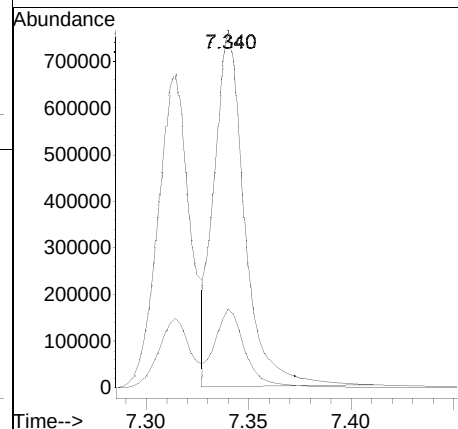
Tgt	Ion	Ratio	Lower	Upper
252	100			
253	21.9	18.1	27.1	

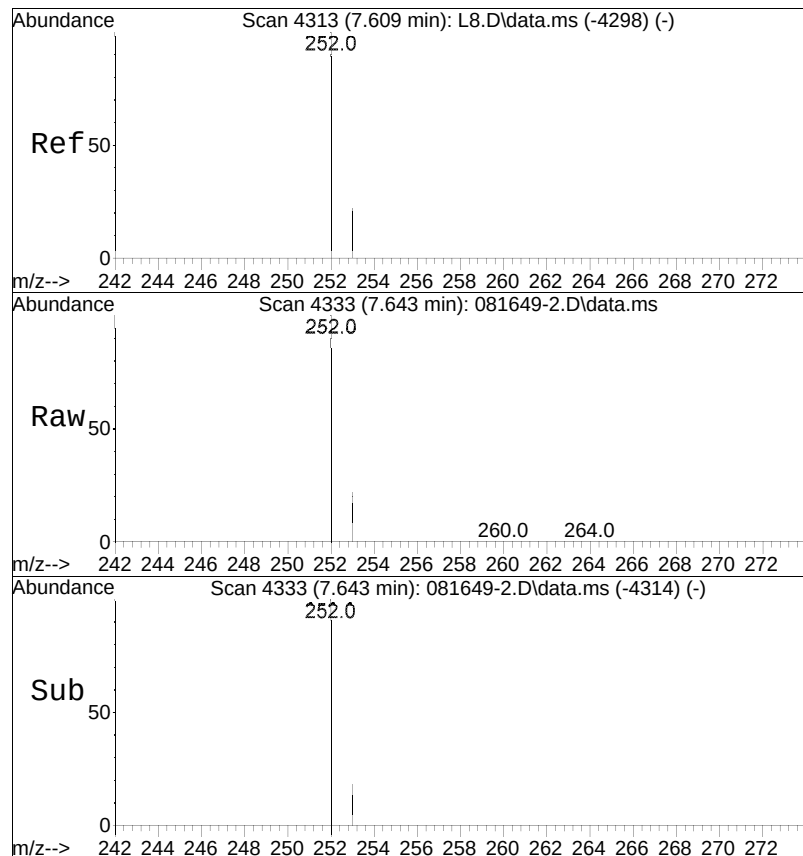




#40
 Benzo[k]fluoranthene
 Concen: 1700.10 ng/ml
 RT: 7.340 min Scan# 4214
 Delta R.T. -0.032 min
 Lab File: 081649-2.D
 Acq: 23 Jun 2025 11:49 am

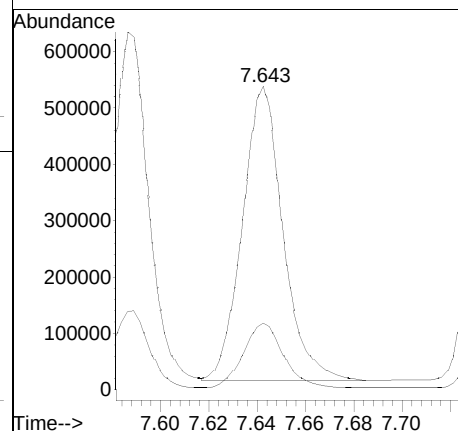
Tgt	Ion	Ratio	Lower	Upper
252	100			
253	22.1	17.0	25.4	

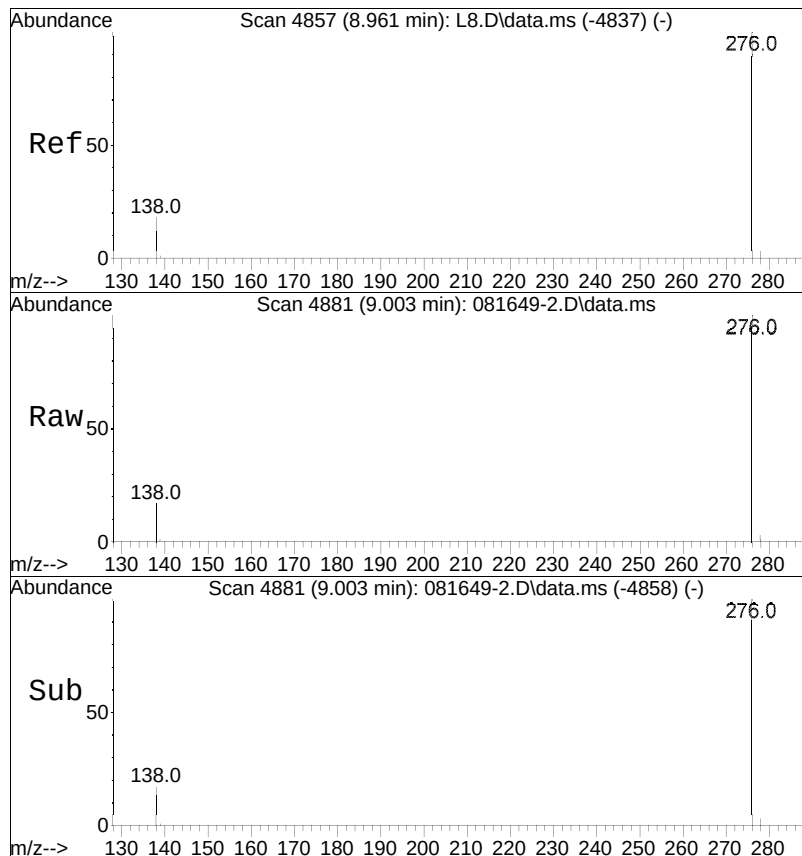




#41
 Benzo[a]pyrene
 Concen: 1535.74 ng/ml
 RT: 7.643 min Scan# 4333
 Delta R.T. -0.032 min
 Lab File: 081649-2.D
 Acq: 23 Jun 2025 11:49 am

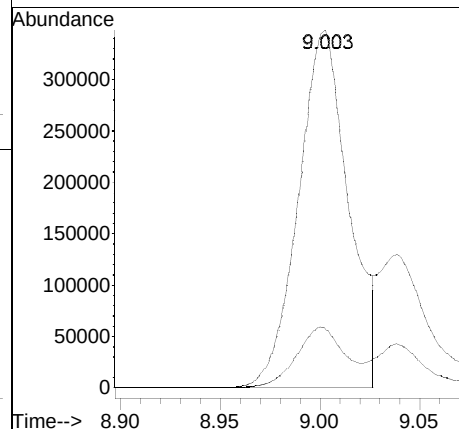
Tgt	Ion	Ratio	Lower	Upper
252	100			
253	21.9	17.4	26.0	

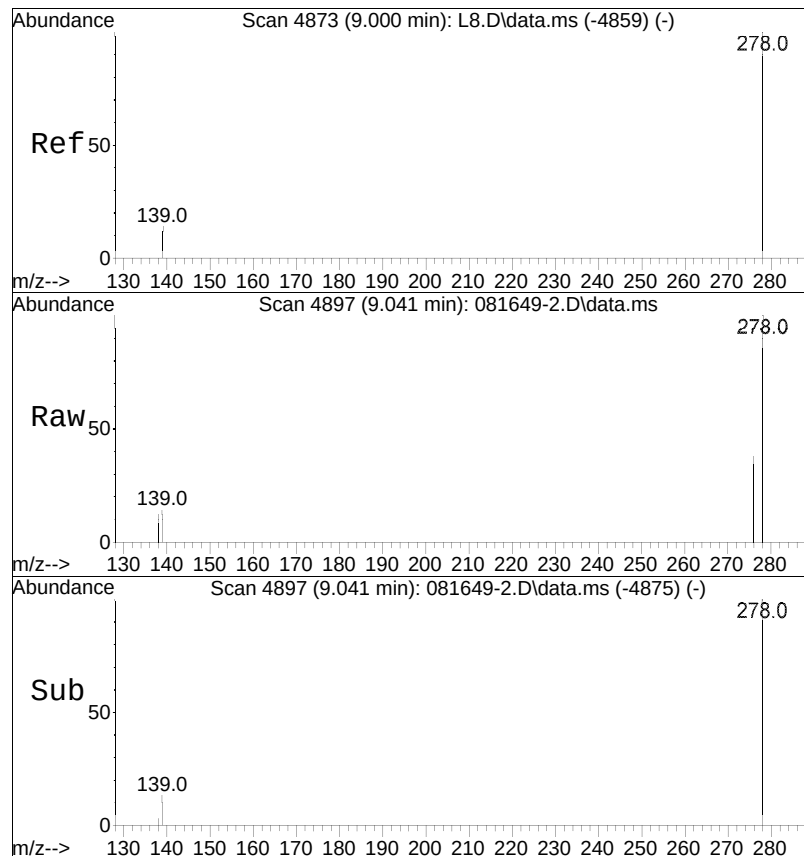




#42
 Indeno[1,2,3-cd]pyrene
 Concen: 1461.93 ng/ml
 RT: 9.003 min Scan# 4881
 Delta R.T. -0.025 min
 Lab File: 081649-2.D
 Acq: 23 Jun 2025 11:49 am

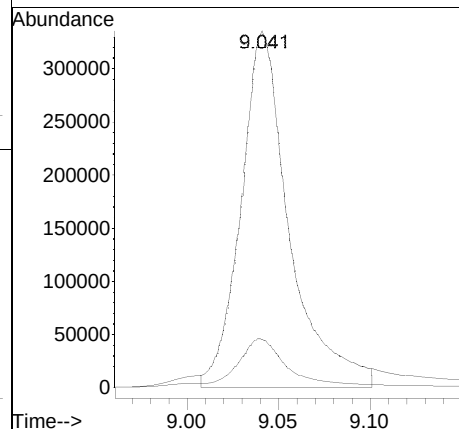
Tgt	Ion:276	Resp:	607941
Ion	Ratio	Lower	Upper
276	100		
138	16.5	14.4	21.6

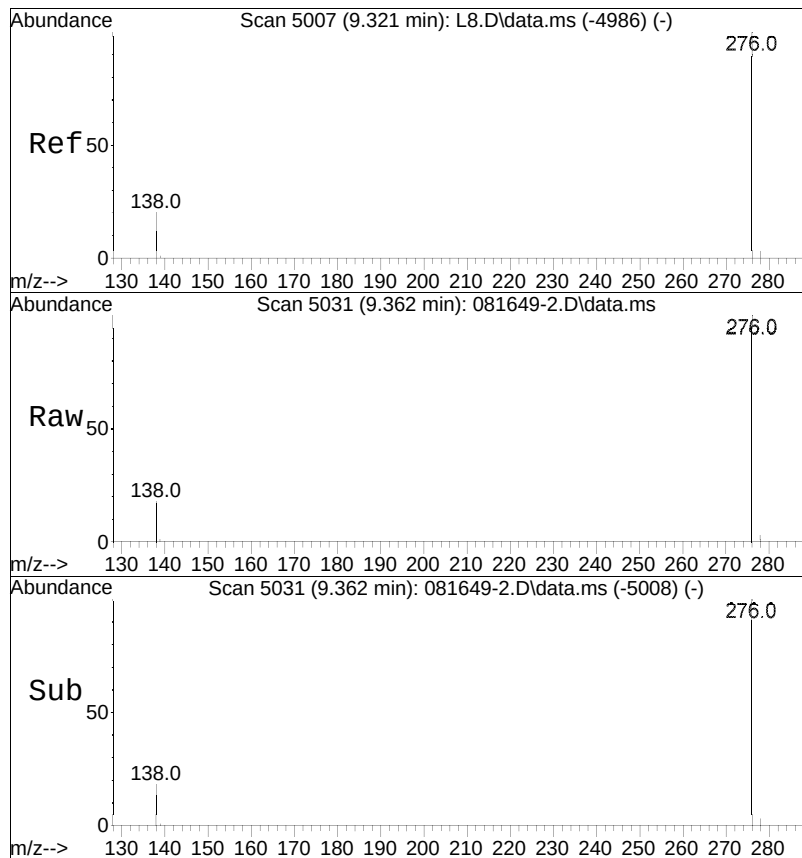




#43
 Dibenzo[a,h]anthracene
 Concen: 1549.00 ng/ml M6
 RT: 9.041 min Scan# 4897
 Delta R.T. -0.028 min
 Lab File: 081649-2.D
 Acq: 23 Jun 2025 11:49 am

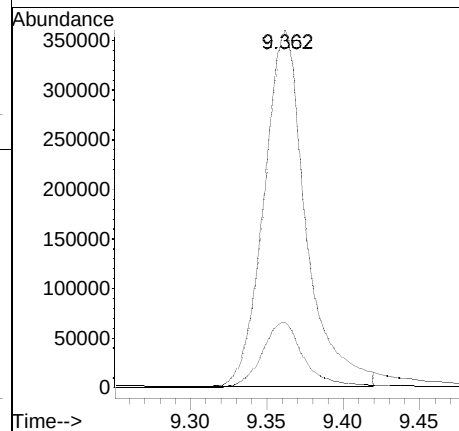
Tgt Ion	Ratio	Lower	Upper
278	100		
139	12.4	12.1	18.1





#44
 Benzo[g,h,i]perylene
 Concen: 1589.67 ng/ml
 RT: 9.362 min Scan# 5031
 Delta R.T. -0.025 min
 Lab File: 081649-2.D
 Acq: 23 Jun 2025 11:49 am

Tgt Ion:	276	Resp:	677590
Ion Ratio	Lower	Upper	
276	100		
138	18.5	16.0	24.0

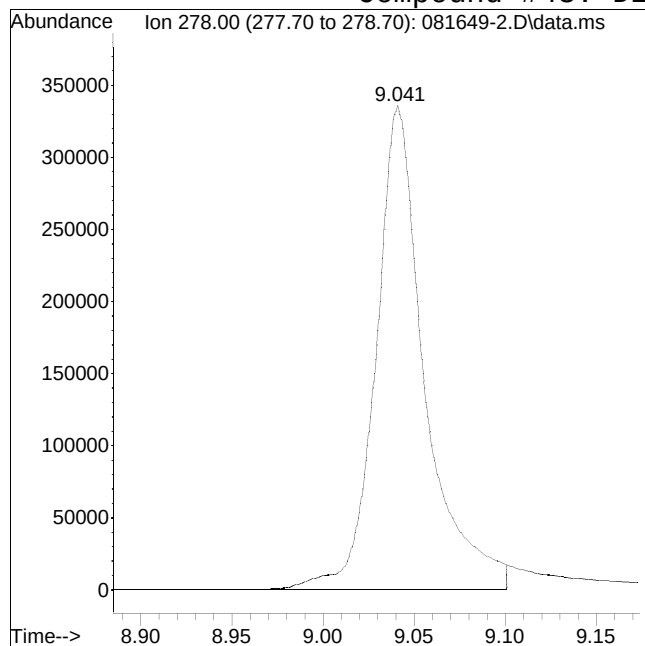


Manual Integration Report

Data Path : I:\8270SIM\sv119\250623RVTQ
Data File : 081649-2.D
Date Inj'd : 6/23/2025 11:49 am
Sample : WG2081652-2,32,,jjw

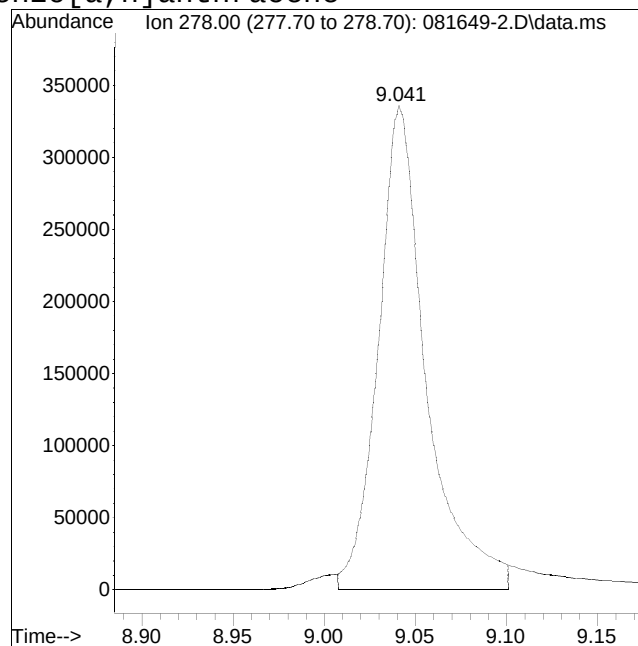
Method : SIM-RVT_250618_sv119.M
Operator : sv119:rp
Instrument : SV119
Quant Date : 6/23/2025 12:03 pm

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 627366

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Peak Response = 615528 M6

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250623RVT\
 Data File : 081649-3.D
 Acq On : 23 Jun 2025 12:06 pm
 Operator : sv119:rp
 Sample : WG2081652-3,32,,jjw
 Misc : WG2082224,WG2081652,ical22394
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 23 17:58:09 2025
 Quant Method : I:\8270sim\sv119\250623RVT\SIM-RVT_250618_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Jun 23 09:30:43 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\250623RVT\ccv0623a.D
 Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.307	152	273329	4000.000	ng/ml	0.00
Standard Area 1 = 223163			Recovery	=	122.48%	
9) Naphthalene-d8	2.966	136	1037311	4000.000	ng/ml	0.00
Standard Area 1 = 839534			Recovery	=	123.56%	
18) Acenaphthene-d10	3.946	164	619476	4000.000	ng/ml	0.00
Standard Area 1 = 501334			Recovery	=	123.57%	
23) Phenanthrene-d10	4.794	188	1341940	4000.000	ng/ml	0.00
Standard Area 1 = 1091615			Recovery	=	122.93%	
33) Chrysene-d12	6.417	240	1380790	4000.000	ng/ml	-0.03
Standard Area 1 = 1163786			Recovery	=	118.65%	
38) Perylene-d12	7.706	264	1465493	4000.000	ng/ml	-0.04
Standard Area 1 = 1221164			Recovery	=	120.01%	
System Monitoring Compounds						
3) 2-Fluorophenol	1.728	112	83825	1091.937	ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	54.60%	
4) Phenol-d6	2.118	99	80795	810.593	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	40.53%	
8) Nitrobenzene-d5	2.584	82	54452	662.243	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	66.22%	
14) 2-Fluorobiphenyl	3.562	172	147918	630.267	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	63.03%	
22) 2,4,6-Tribromophenol	4.393	330	46793	1505.758	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	75.29%	
32) 4-Terphenyl-d14	5.736	244	238577	790.728	ng/ml	-0.02
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	79.07%	
Target Compounds						
5) Bis(2-chloroethyl)ether	2.170	93	111262	1383.201	ng/ml	99
7) Hexachloroethane	2.564	117	30870	850.898	ng/ml	97
10) Naphthalene	2.977	128	310243	1141.504	ng/ml	100
11) Hexachlorobutadiene	3.048	225	47133	875.853	ng/ml	100
12) 2-Methylnaphthalene	3.357	142	209990	1165.191	ng/ml	100
15) 2-Chloronaphthalene	3.629	162	246202	1218.139	ng/ml	98
17) Acenaphthylene	3.864	152	445543	1326.144	ng/ml	100
19) Acenaphthene	3.963	153	268011	1302.514	ng/ml	96
21) Fluorene	4.254	166	340093	1381.586	ng/ml	99
25) Hexachlorobenzene	4.574	284	125967	1516.620	ng/ml	94

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250623RVT\
 Data File : 081649-3.D
 Acq On : 23 Jun 2025 12:06 pm
 Operator : sv119:rp
 Sample : WG2081652-3,32,,jjw
 Misc : WG2082224,WG2081652,ical22394
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 23 17:58:09 2025
 Quant Method : I:\8270sim\sv119\250623RVT\SIM-RVT_250618_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Jun 23 09:30:43 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270SIM\sv119\250623RVT\ccv0623a.D
 Sub List : DEFAULT - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
26)	Pentachlorophenol	4.687	266	59512	1524.453	ng/ml	100
27)	Phenanthrene	4.806	178	538128	1349.390	ng/ml	100
28)	Anthracene	4.835	178	553906	1423.721	ng/ml	99
29)	Fluoranthene	5.502	202	696323	1435.553	ng/ml	99
30)	Pyrene	5.640	202	710145	1418.925	ng/ml	100
34)	Benzo[a]anthracene	6.410	228	688295	1417.967	ng/ml	100
36)	Chrysene	6.434	228	658143	1449.852	ng/ml	99
39)	Benzo[b]fluoranthene	7.307	252	649932	1471.520	ng/ml	98
40)	Benzo[k]fluoranthene	7.333	252	714772	1532.395	ng/ml	98
41)	Benzo[a]pyrene	7.638	252	572482	1424.269	ng/ml	100
42)	Indeno[1,2,3-cd]pyrene	8.998	276	532623	1266.356	ng/ml	95
43)	Dibenzo[a,h]anthracene	9.036	278	547564M6	1362.357	ng/ml	
44)	Benzo[g,h,i]perylene	9.355	276	611425	1417.955	ng/ml	97

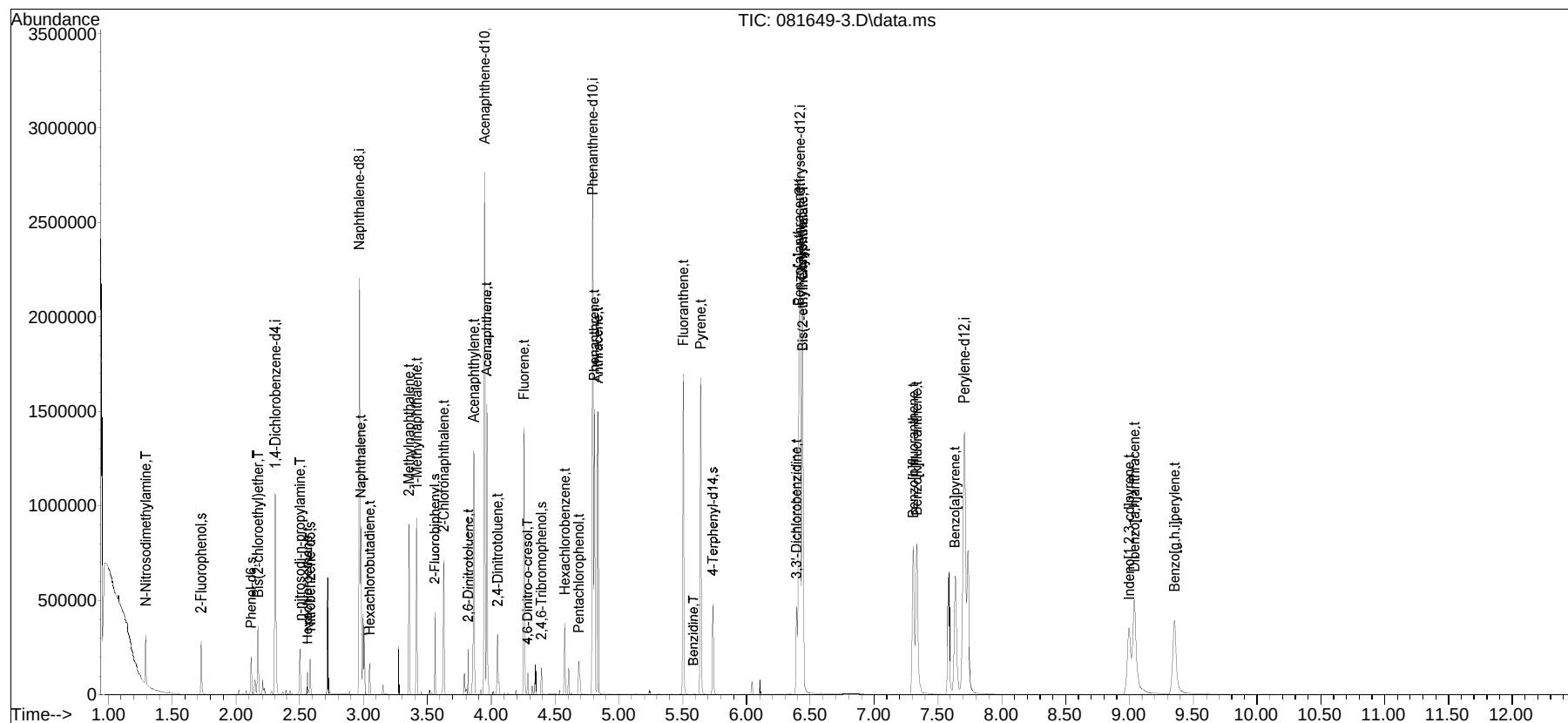
(#) = qualifier out of range (m) = manual integration (+) = signals summed

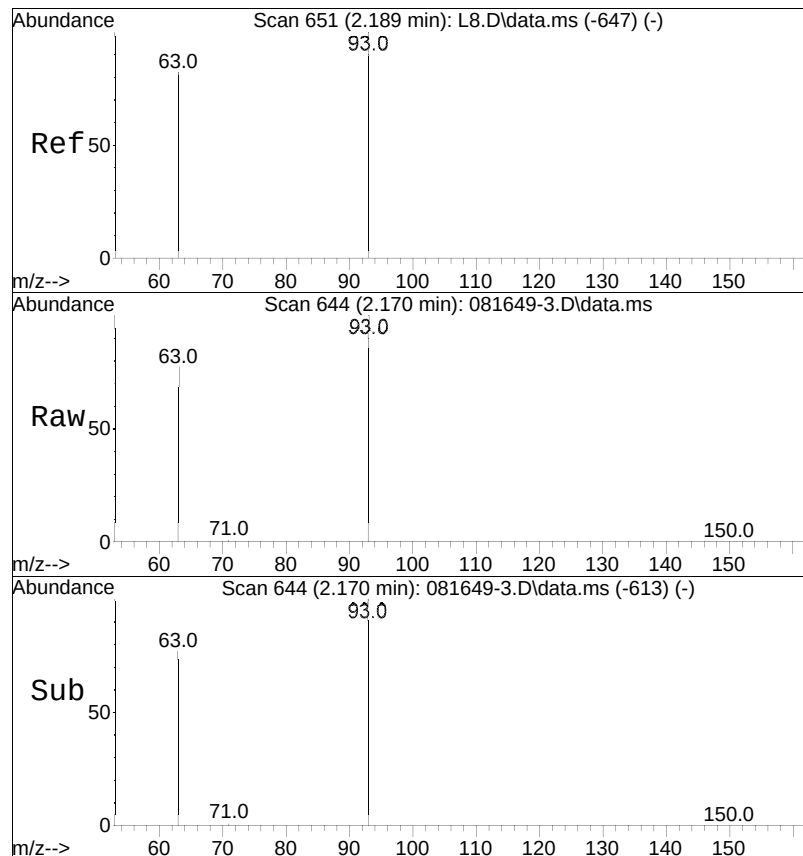
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250623RVT\
 Data File : 081649-3.D
 Acq On : 23 Jun 2025 12:06 pm
 Operator : sv119:rp
 Sample : WG2081652-3,32,,jjw
 Misc : WG2082224,WG2081652,ical22394
 ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 23 17:58:09 2025
 Quant Method : I:\8270sim\sv119\250623RVT\SIM-RVT_250618_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Jun 23 09:30:43 2025
 Response via : Initial Calibration

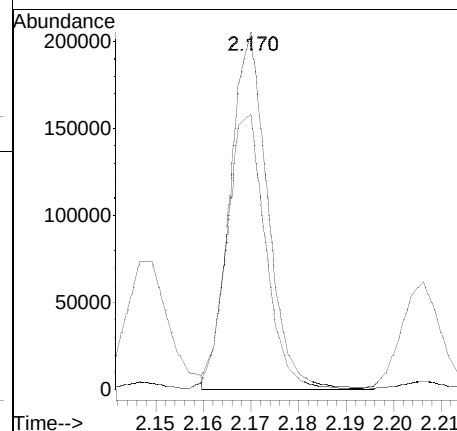
Sub List : DEFAULT - All compounds listed\ccv0623a.D•

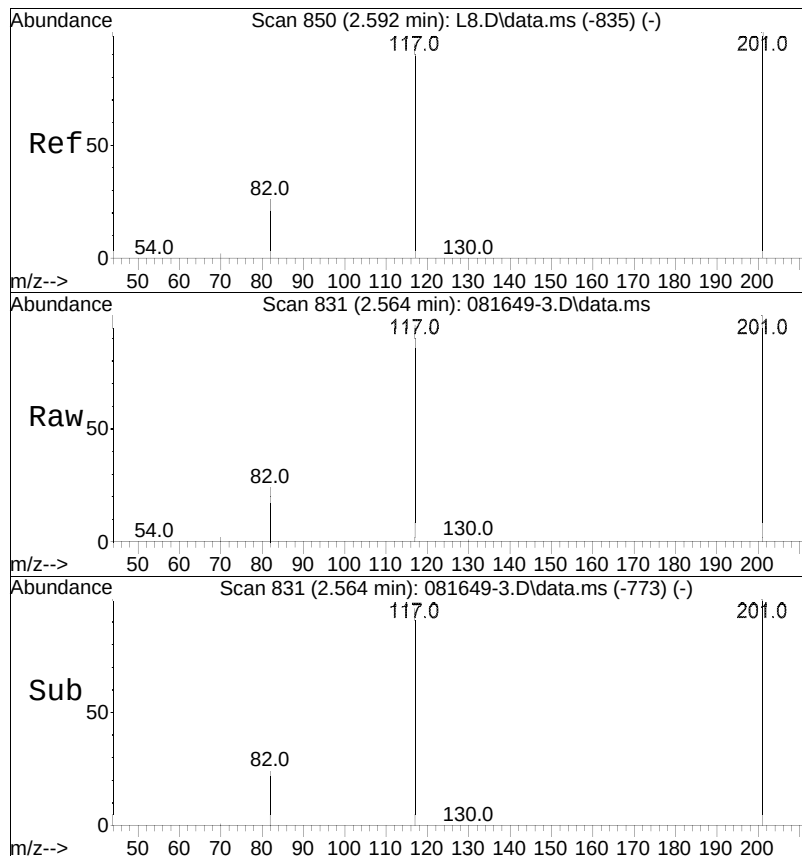




#5
 Bis(2-chloroethyl)ether
 Concen: 1383.20 ng/ml
 RT: 2.170 min Scan# 644
 Delta R.T. 0.001 min
 Lab File: 081649-3.D
 Acq: 23 Jun 2025 12:06 pm

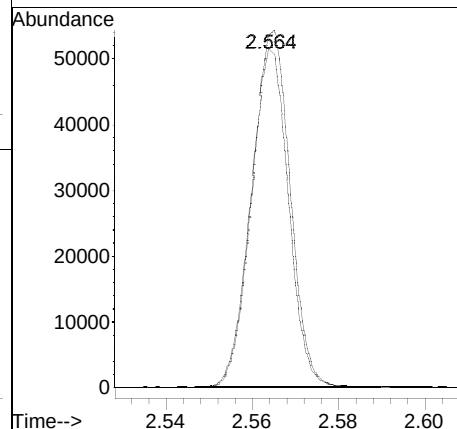
Tgt Ion: 93 Resp: 111262
 Ion Ratio Lower Upper
 93 100
 63 79.1 62.9 94.3

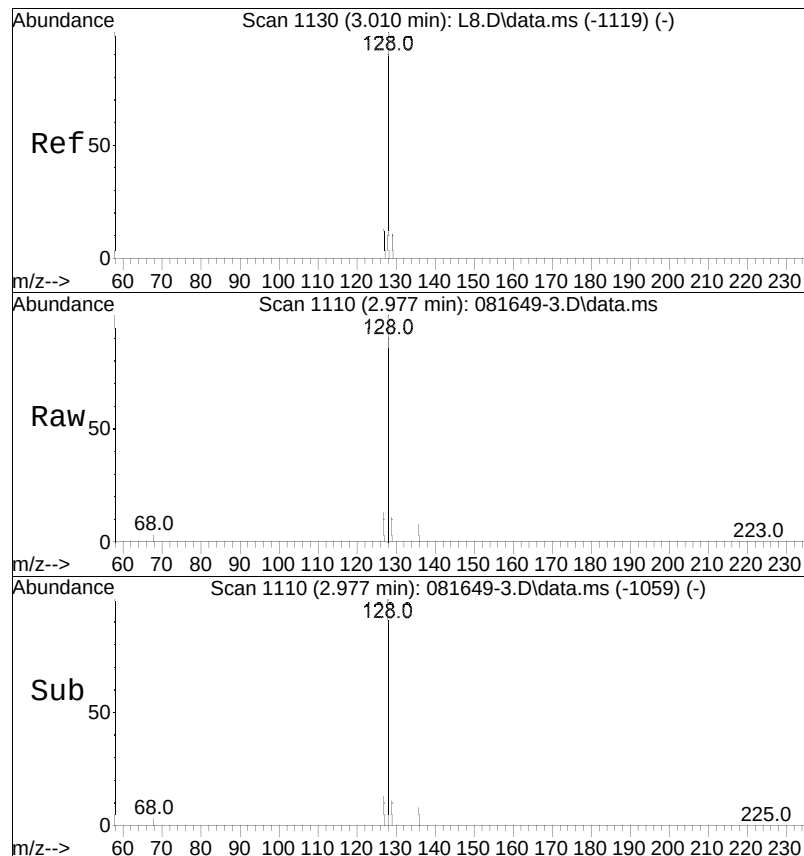




#7
 Hexachloroethane
 Concen: 850.90 ng/ml
 RT: 2.564 min Scan# 831
 Delta R.T. 0.001 min
 Lab File: 081649-3.D
 Acq: 23 Jun 2025 12:06 pm

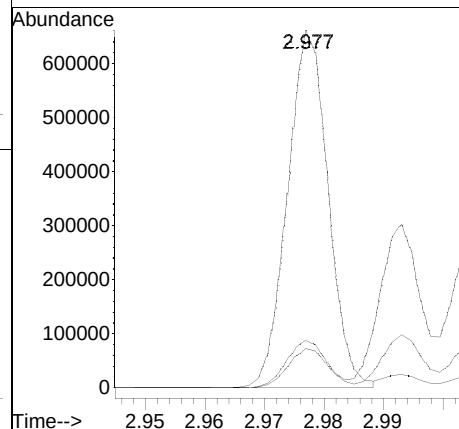
Tgt Ion	Ratio	Lower	Upper
117	100		
201	106.4	82.9	124.3

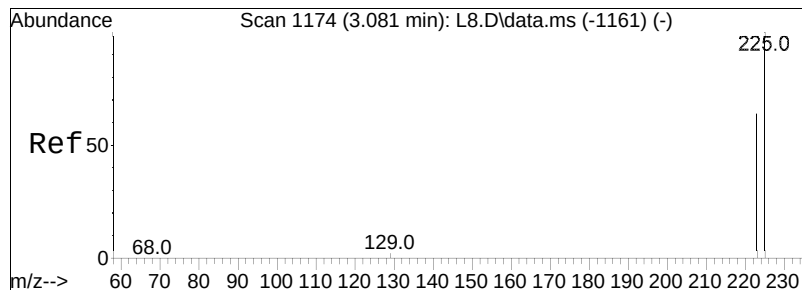




#10
 Naphthalene
 Concen: 1141.50 ng/ml
 RT: 2.977 min Scan# 1110
 Delta R.T. 0.001 min
 Lab File: 081649-3.D
 Acq: 23 Jun 2025 12:06 pm

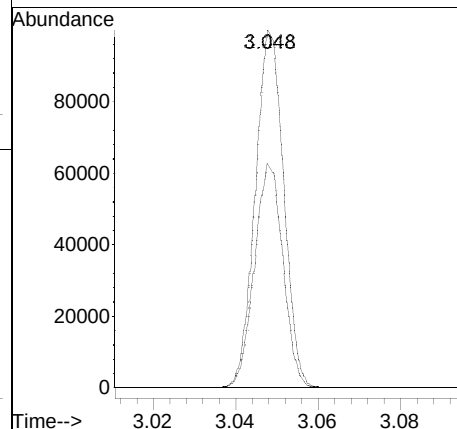
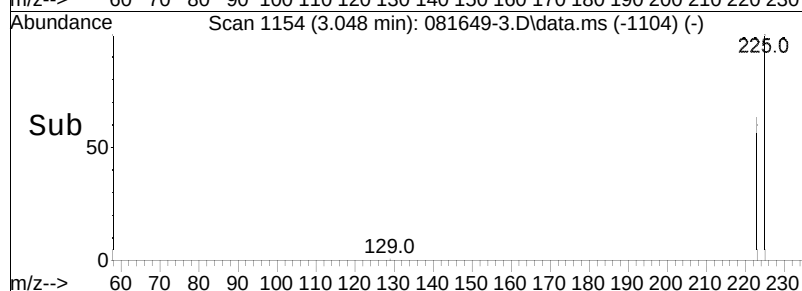
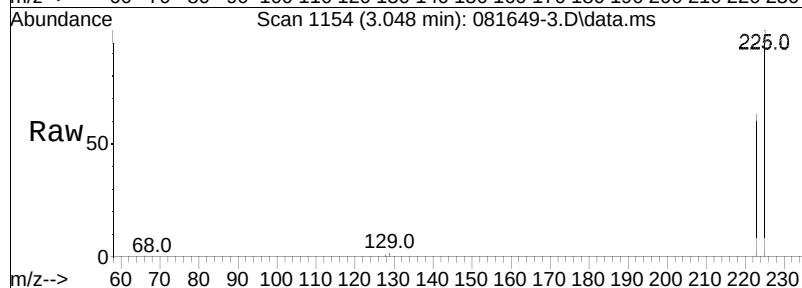
Tgt Ion	128	Resp	310243
Ion Ratio	Lower	Upper	
128	100		
129	11.1	8.8	13.2
127	13.2	10.6	15.8

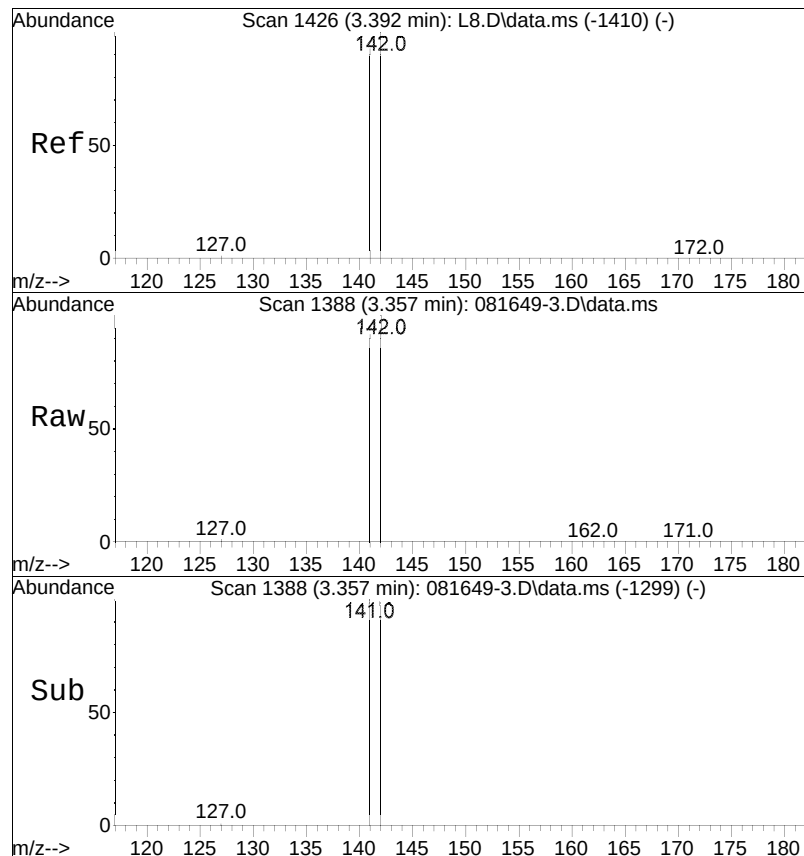




#11
 Hexachlorobutadiene
 Concen: 875.85 ng/ml
 RT: 3.048 min Scan# 1154
 Delta R.T. -0.000 min
 Lab File: 081649-3.D
 Acq: 23 Jun 2025 12:06 pm

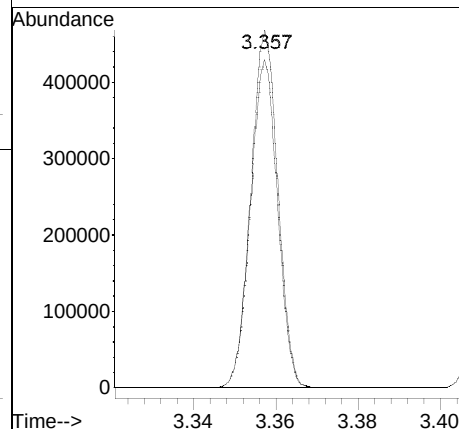
Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.8	50.2	75.4

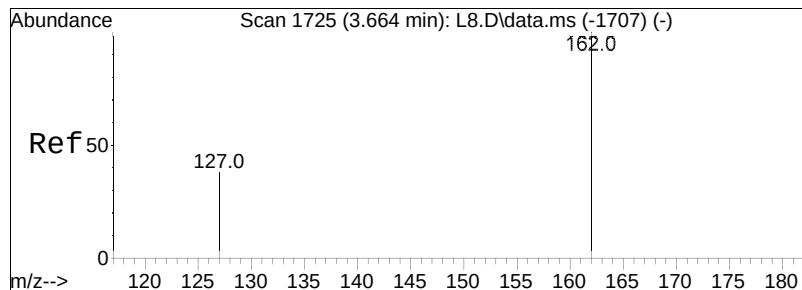




#12
 2-Methylnaphthalene
 Concen: 1165.19 ng/ml
 RT: 3.357 min Scan# 1388
 Delta R.T. 0.001 min
 Lab File: 081649-3.D
 Acq: 23 Jun 2025 12:06 pm

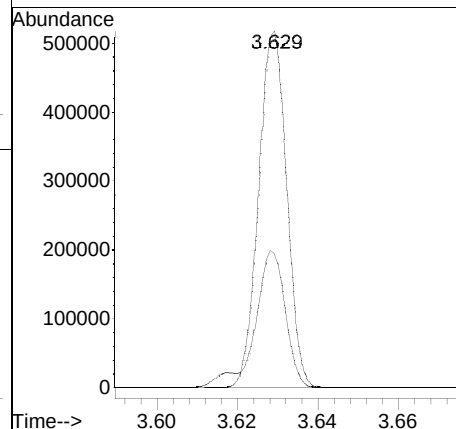
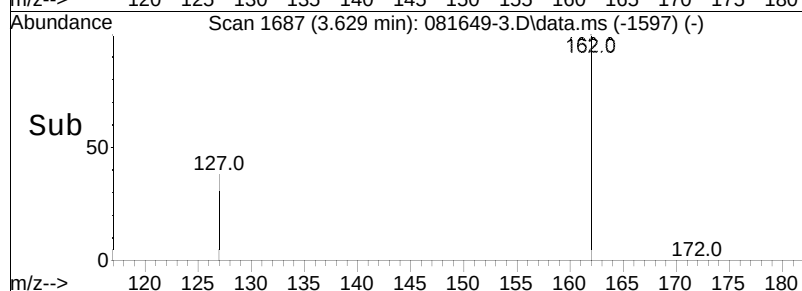
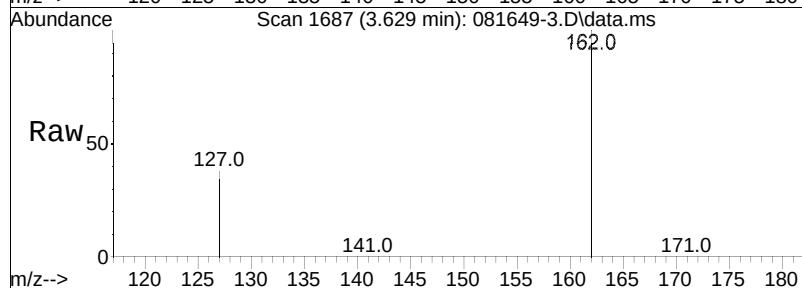
Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.8	73.6	110.4

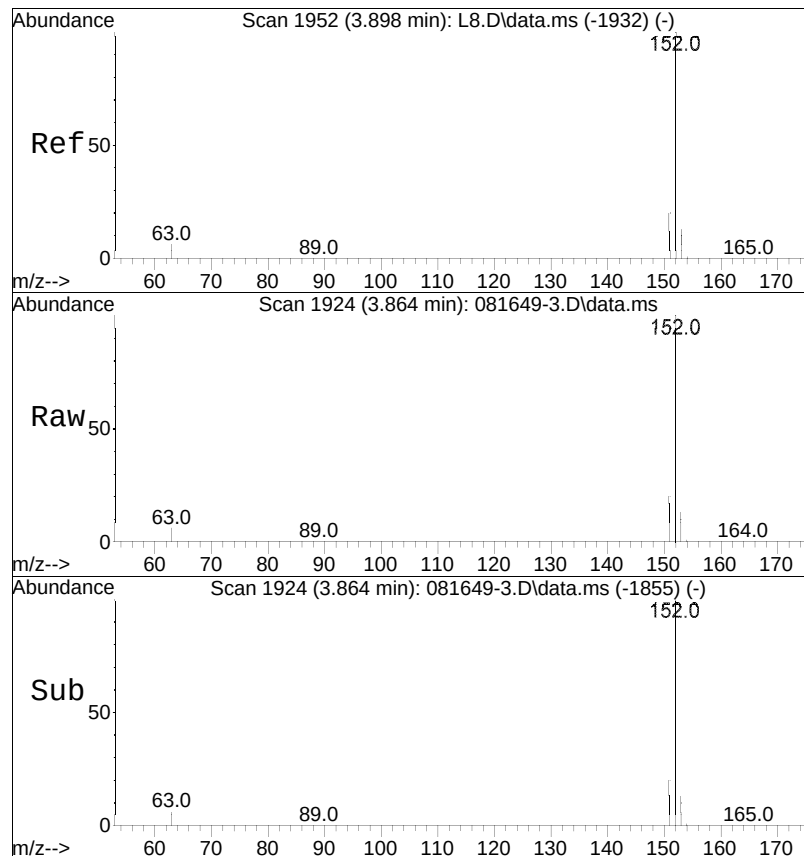




#15
 2-Chloronaphthalene
 Concen: 1218.14 ng/ml
 RT: 3.629 min Scan# 1687
 Delta R.T. 0.002 min
 Lab File: 081649-3.D
 Acq: 23 Jun 2025 12:06 pm

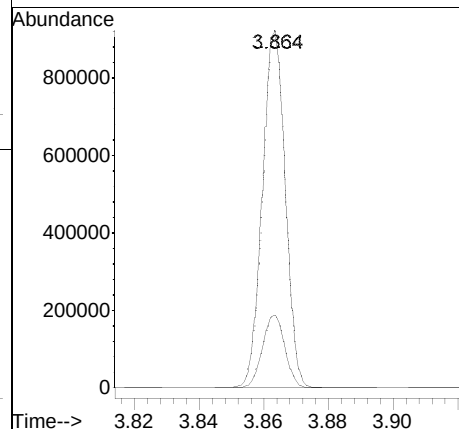
Tgt Ion	Ratio	Lower	Upper
162	100		
127	38.7	29.8	44.8

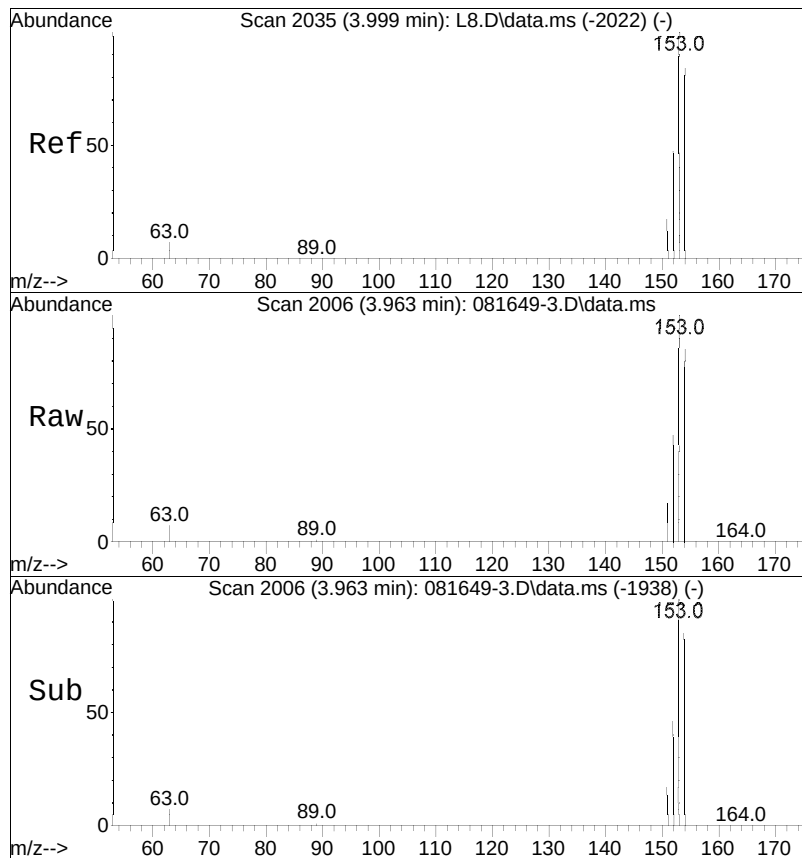




#17
 Acenaphthylene
 Concen: 1326.14 ng/ml
 RT: 3.864 min Scan# 1924
 Delta R.T. 0.002 min
 Lab File: 081649-3.D
 Acq: 23 Jun 2025 12:06 pm

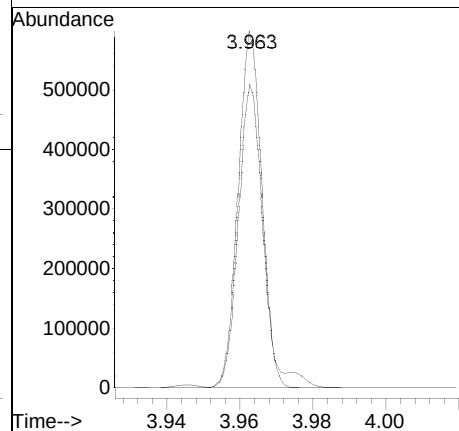
Tgt	Ion	Ratio	Lower	Upper
152	100			
151	20.2	16.2	24.2	

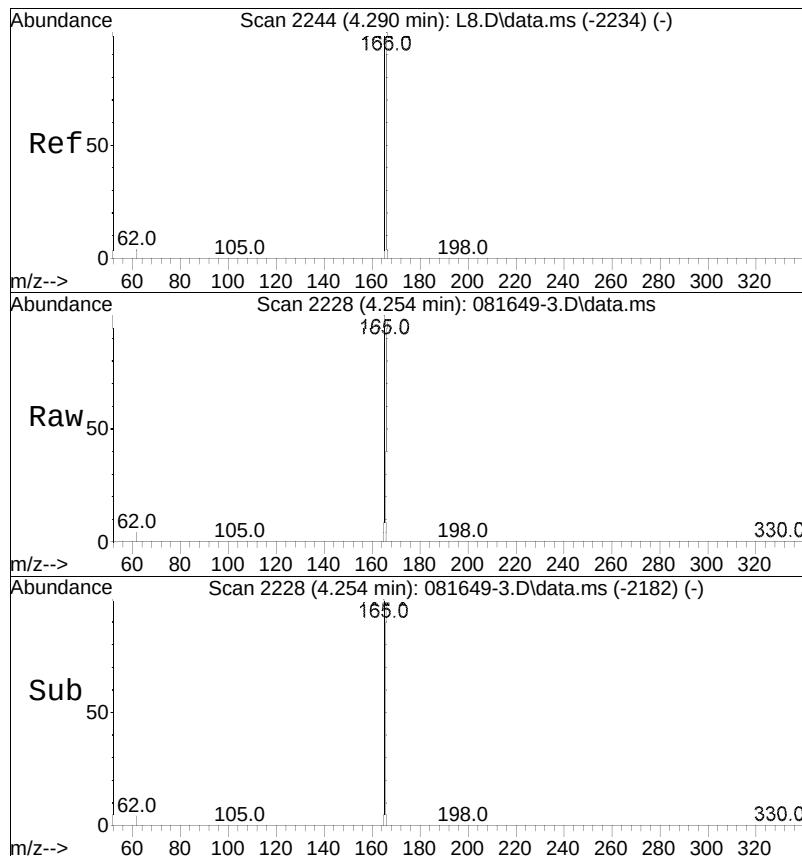




#19
 Acenaphthene
 Concen: 1302.51 ng/ml
 RT: 3.963 min Scan# 2006
 Delta R.T. 0.002 min
 Lab File: 081649-3.D
 Acq: 23 Jun 2025 12:06 pm

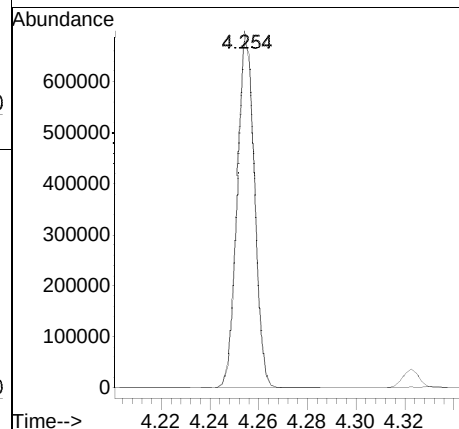
Tgt Ion:	153	Resp:	268011
Ion Ratio	Lower	Upper	
153	100		
154	86.0	72.0	108.0

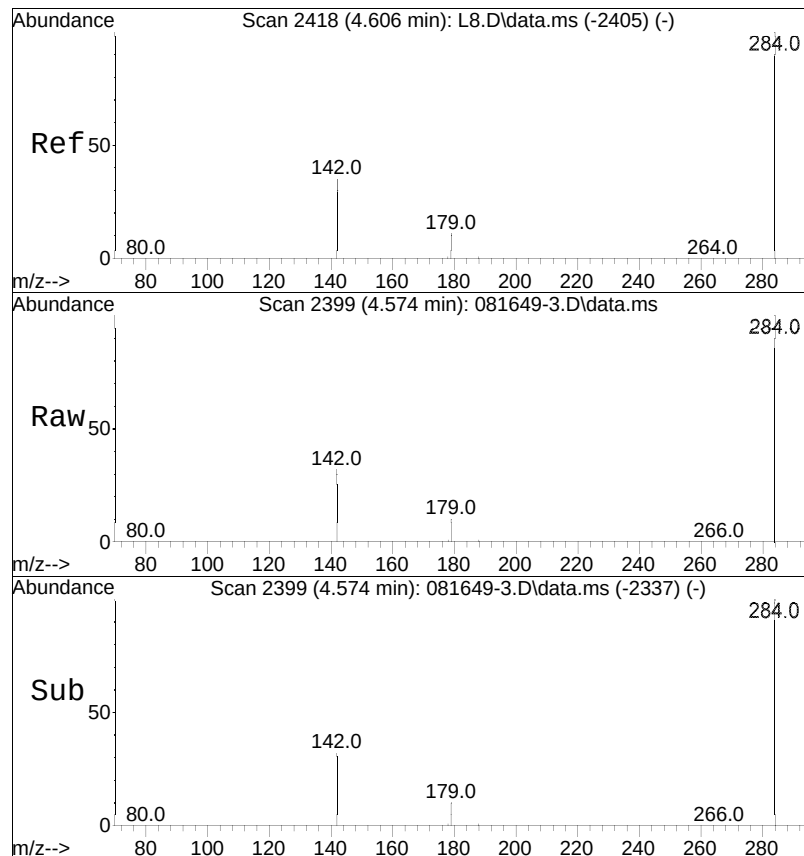




#21
 Fluorene
 Concen: 1381.59 ng/ml
 RT: 4.254 min Scan# 2228
 Delta R.T. -0.001 min
 Lab File: 081649-3.D
 Acq: 23 Jun 2025 12:06 pm

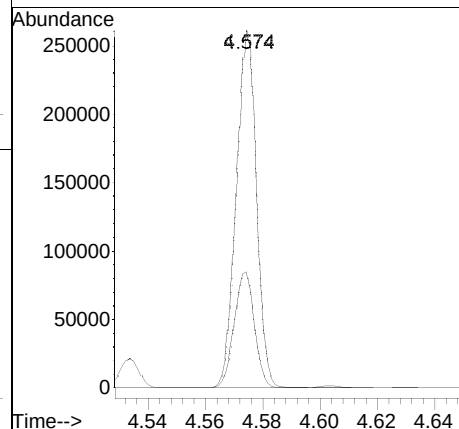
Tgt Ion	Ratio	Lower	Upper
166	100		
165	101.0	81.5	122.3

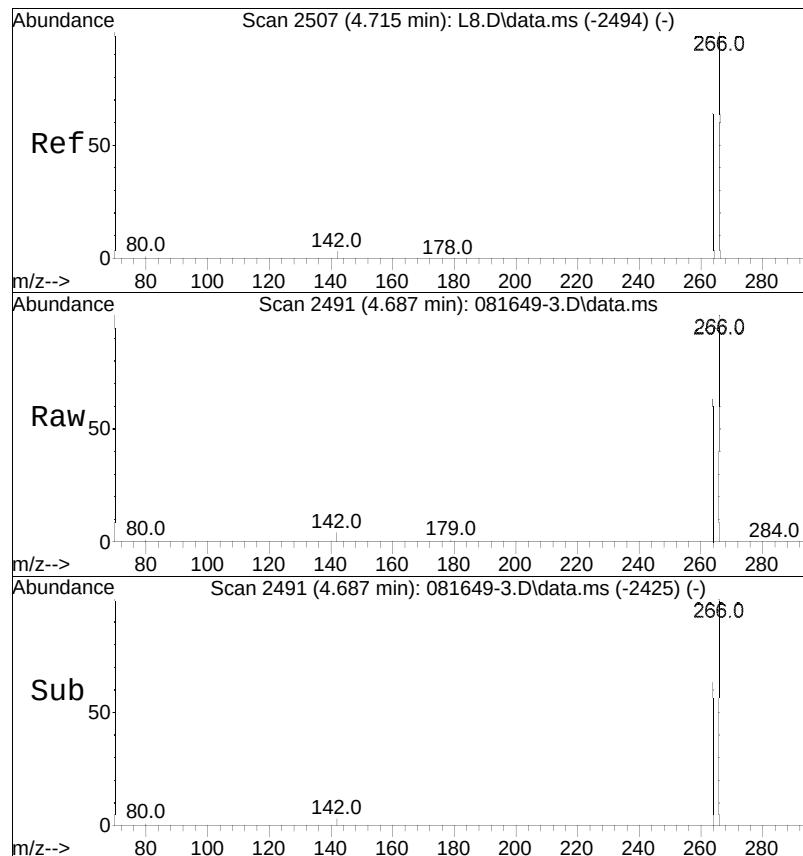




#25
 Hexachlorobenzene
 Concen: 1516.62 ng/ml
 RT: 4.574 min Scan# 2399
 Delta R.T. 0.000 min
 Lab File: 081649-3.D
 Acq: 23 Jun 2025 12:06 pm

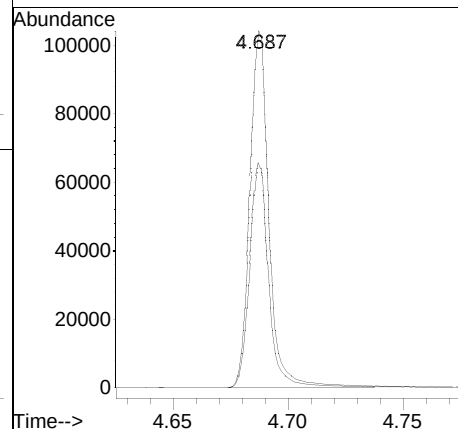
Tgt Ion	Ratio	Lower	Upper
284	100		
142	32.5	28.8	43.2

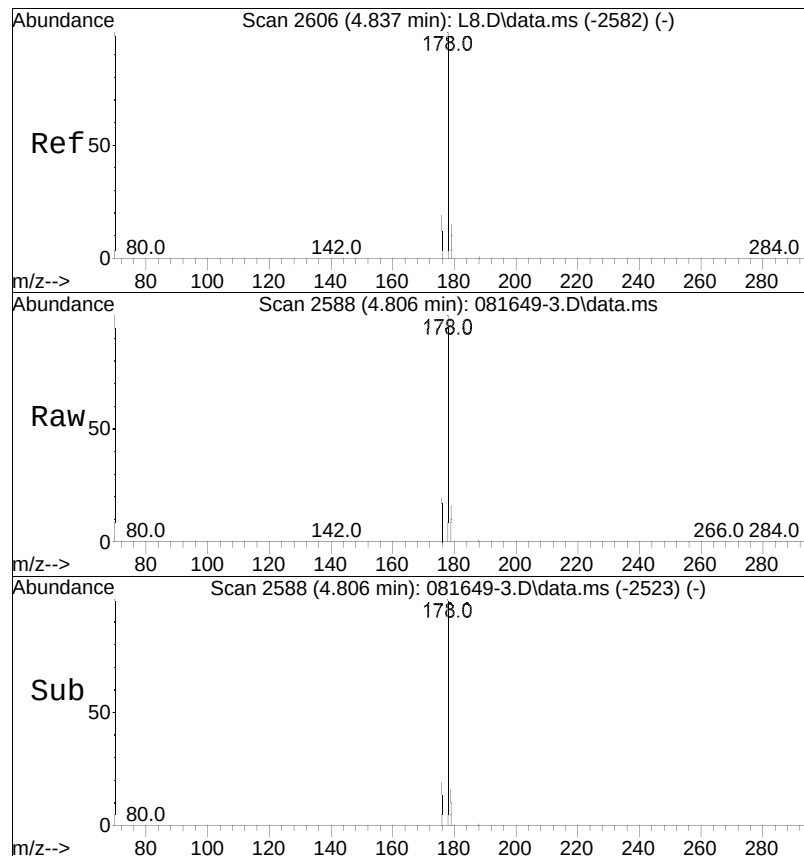




#26
 Pentachlorophenol
 Concen: 1524.45 ng/ml
 RT: 4.687 min Scan# 2491
 Delta R.T. 0.000 min
 Lab File: 081649-3.D
 Acq: 23 Jun 2025 12:06 pm

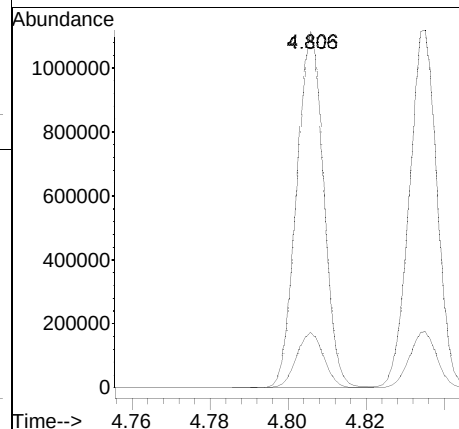
Tgt Ion	Ratio	Lower	Upper
266	100		
264	63.3	50.6	76.0

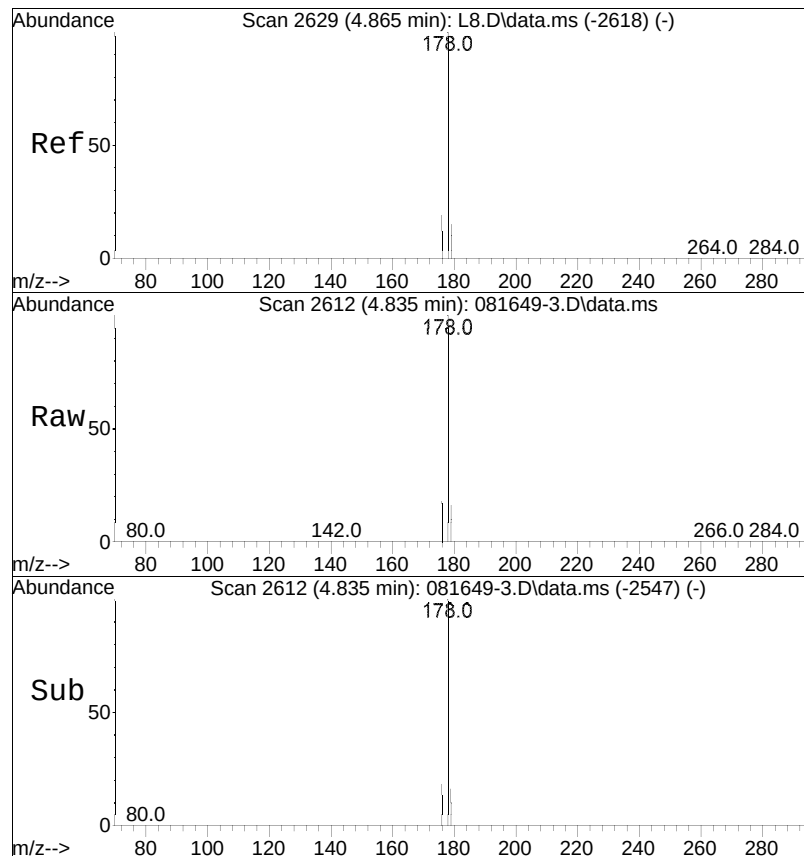




#27
 Phenanthrene
 Concen: 1349.39 ng/ml
 RT: 4.806 min Scan# 2588
 Delta R.T. -0.001 min
 Lab File: 081649-3.D
 Acq: 23 Jun 2025 12:06 pm

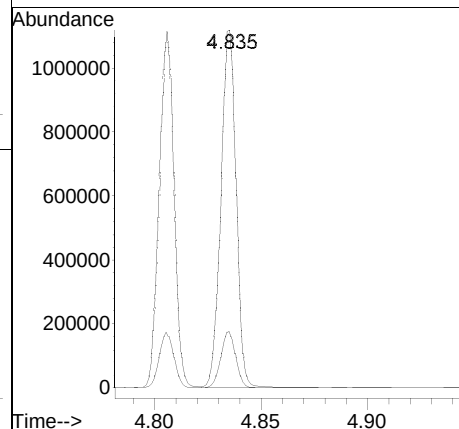
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.6	12.4	18.6

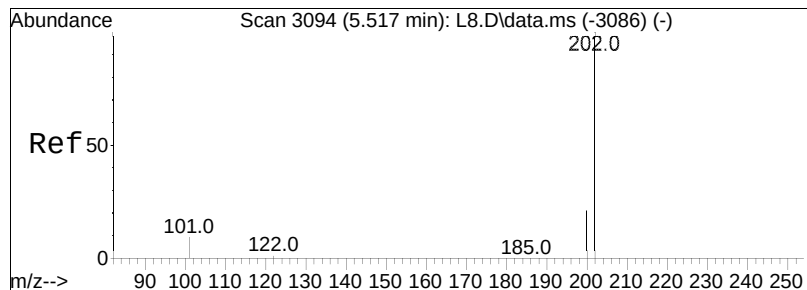




#28
 Anthracene
 Concen: 1423.72 ng/ml
 RT: 4.835 min Scan# 2612
 Delta R.T. -0.001 min
 Lab File: 081649-3.D
 Acq: 23 Jun 2025 12:06 pm

Tgt	Ion	Ratio	Lower	Upper
178	100			
179	15.4	12.2	18.2	





#29

Fluoranthene

Concen: 1435.55 ng/ml

RT: 5.502 min Scan# 3093

Delta R.T. -0.014 min

Lab File: 081649-3.D

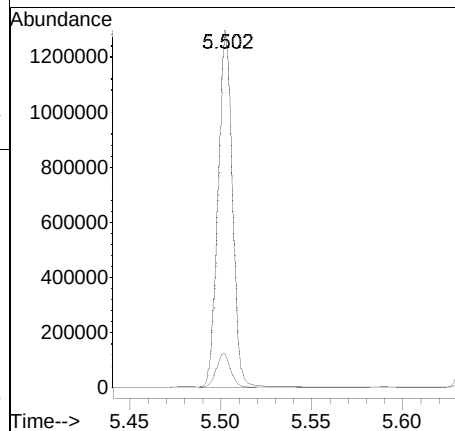
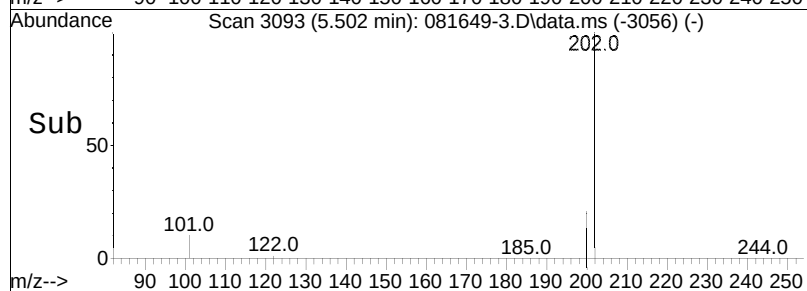
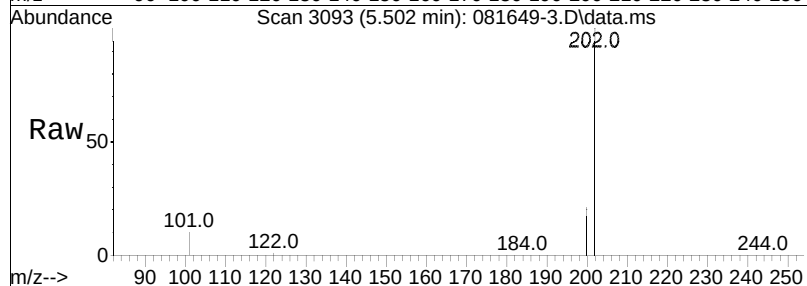
Acq: 23 Jun 2025 12:06 pm

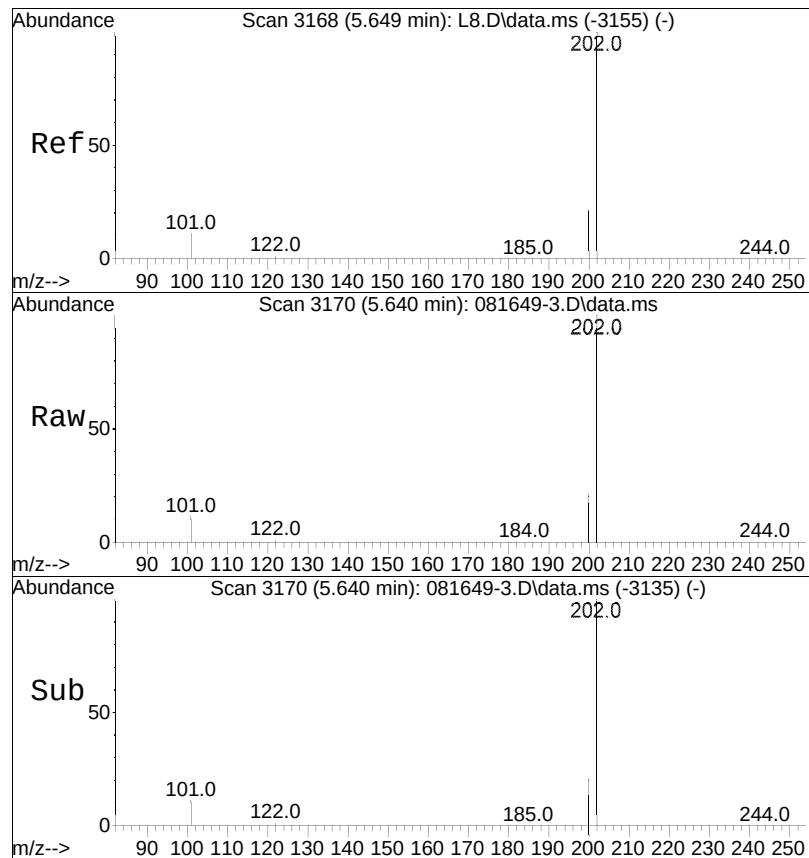
Tgt Ion: 202 Resp: 696323

Ion Ratio Lower Upper

202 100

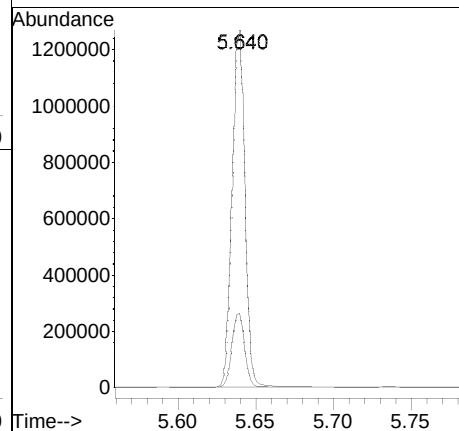
101 9.6 7.5 11.3

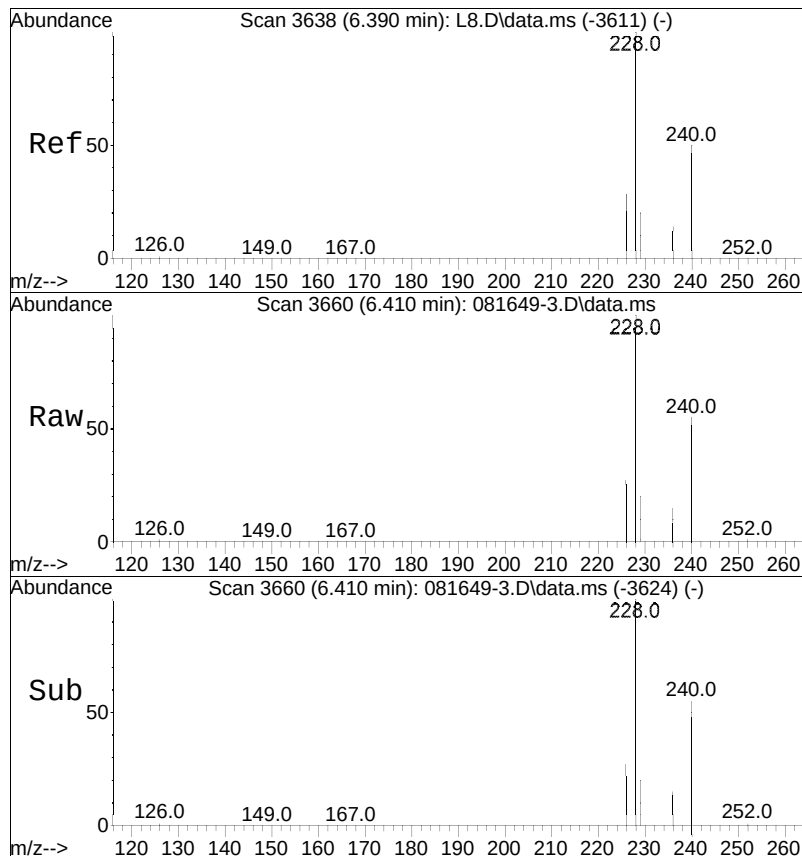




#30
 Pyrene
 Concen: 1418.92 ng/ml
 RT: 5.640 min Scan# 3170
 Delta R.T. -0.018 min
 Lab File: 081649-3.D
 Acq: 23 Jun 2025 12:06 pm

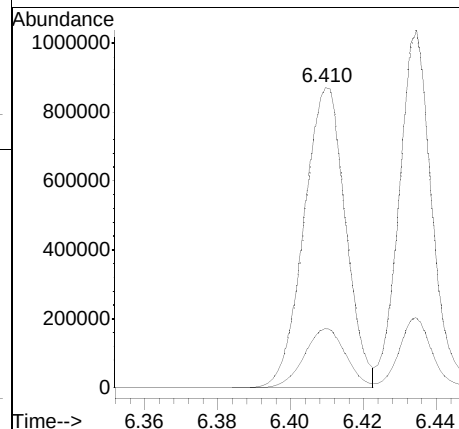
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.0	25.4

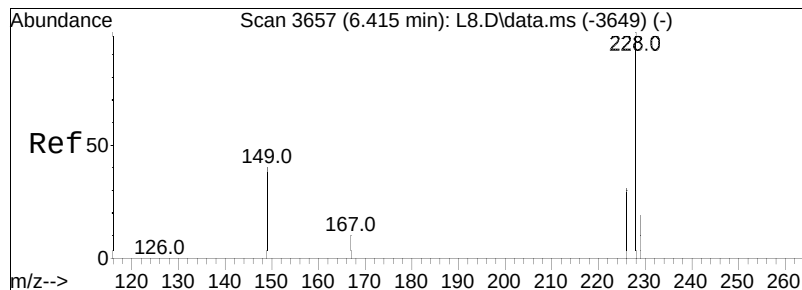




#34
 Benzo[a]anthracene
 Concen: 1417.97 ng/ml
 RT: 6.410 min Scan# 3660
 Delta R.T. -0.033 min
 Lab File: 081649-3.D
 Acq: 23 Jun 2025 12:06 pm

Tgt	Ion	Ratio	Lower	Upper
228	100			
229	19.7	15.8	23.6	





#36

Chrysene

Concen: 1449.85 ng/ml

RT: 6.434 min Scan# 3679

Delta R.T. -0.034 min

Lab File: 081649-3.D

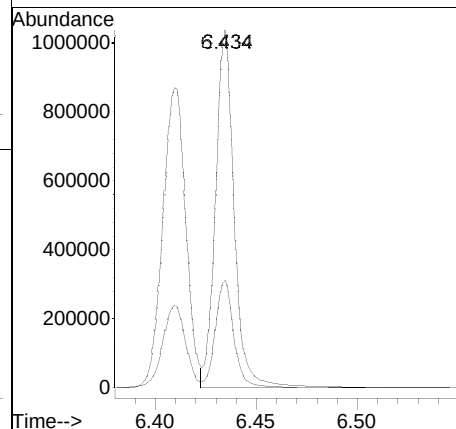
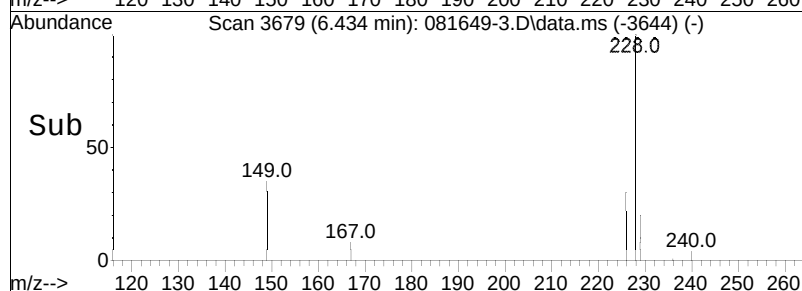
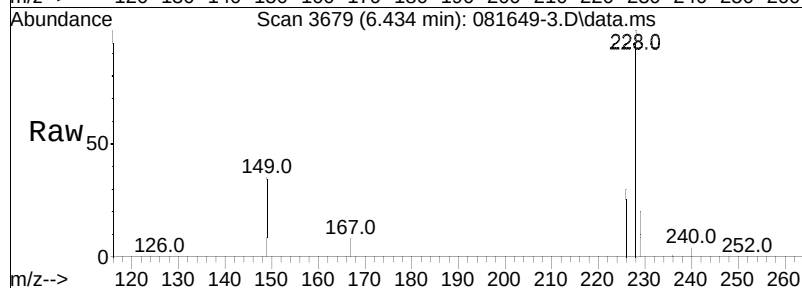
Acq: 23 Jun 2025 12:06 pm

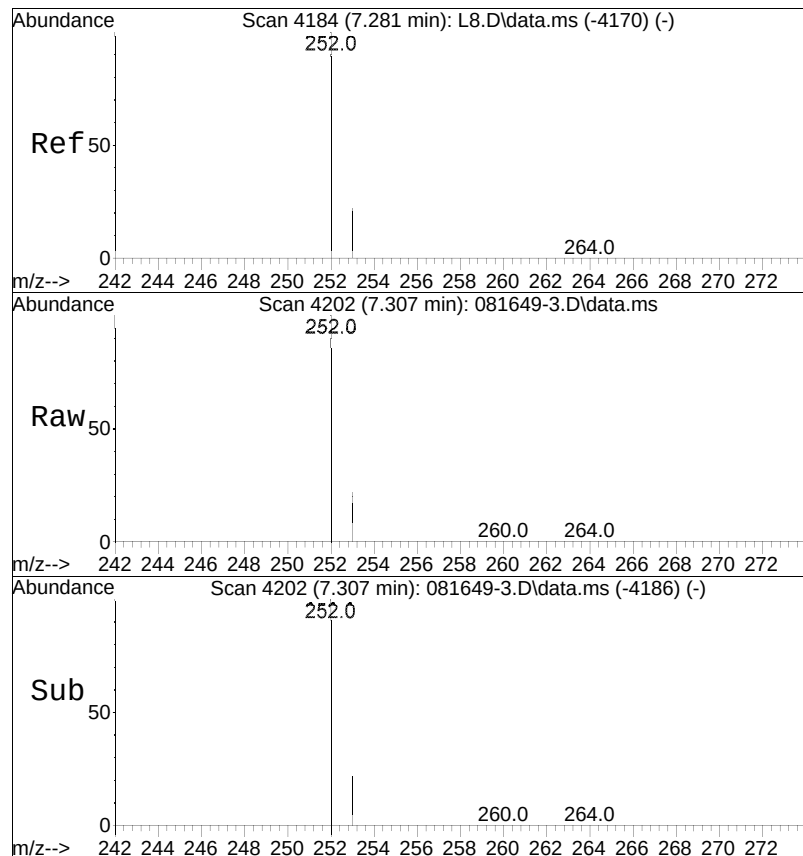
Tgt Ion: 228 Resp: 658143

Ion Ratio Lower Upper

228 100

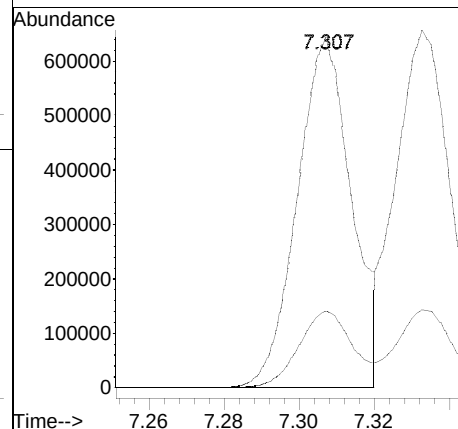
226 30.2 24.6 37.0

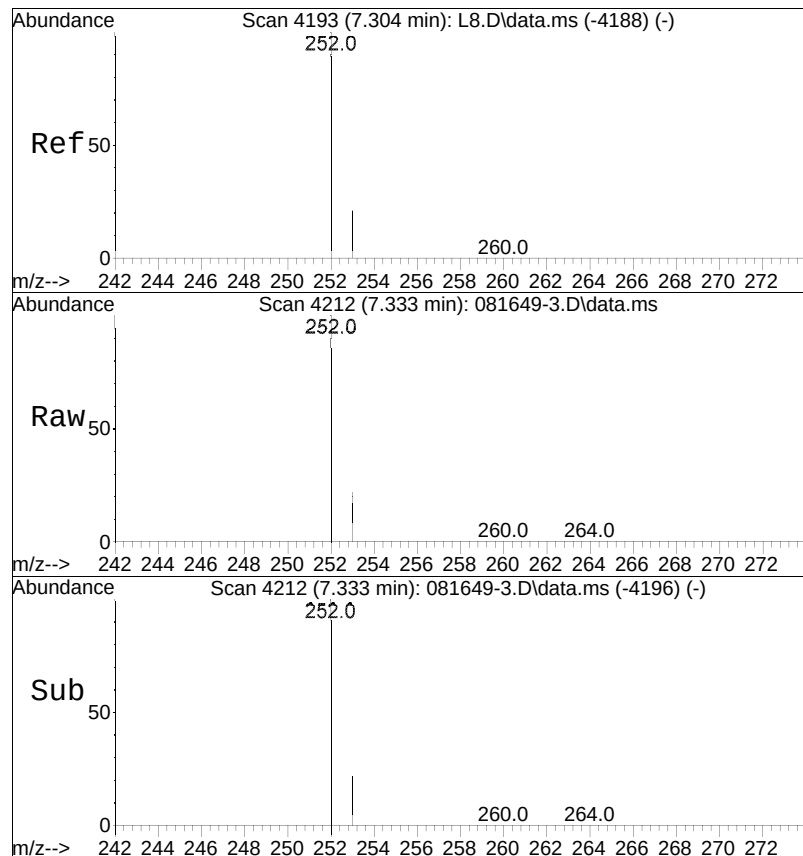




#39
 Benzo[b]fluoranthene
 Concen: 1471.52 ng/ml
 RT: 7.307 min Scan# 4202
 Delta R.T. -0.040 min
 Lab File: 081649-3.D
 Acq: 23 Jun 2025 12:06 pm

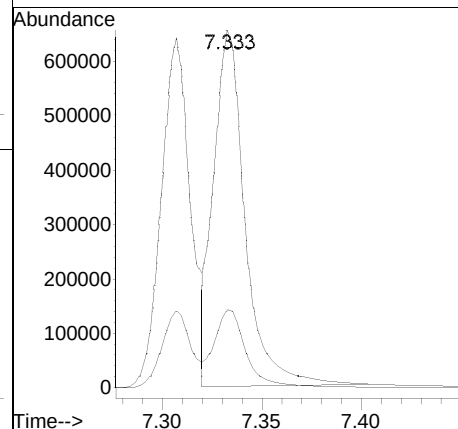
Tgt	Ion	Ratio	Lower	Upper
252	100			
253	21.8	18.1	27.1	

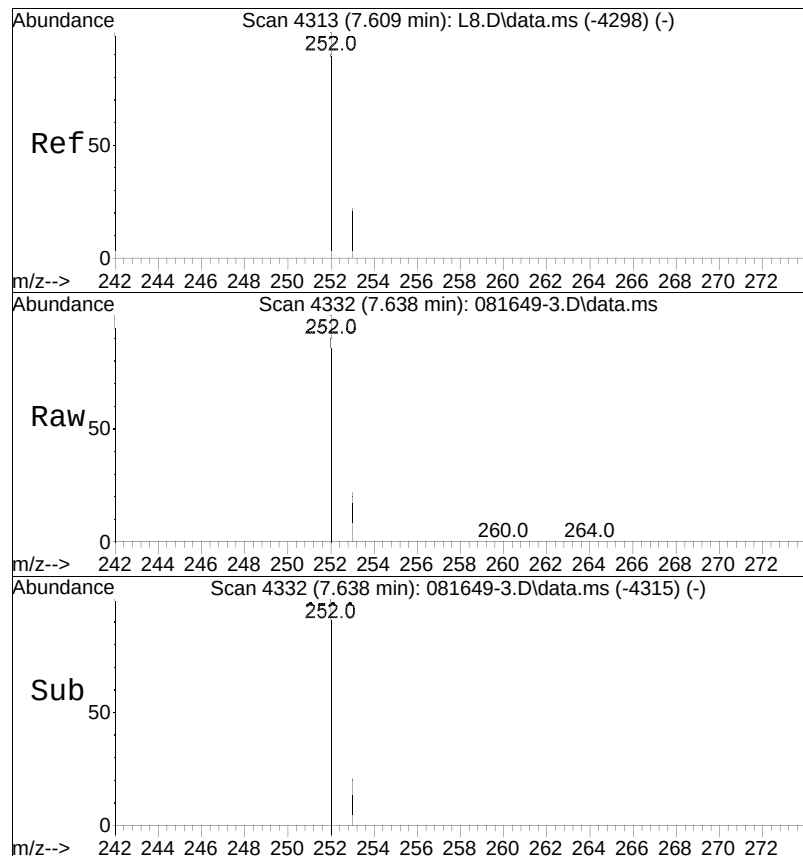




#40
 Benzo[k]fluoranthene
 Concen: 1532.40 ng/ml
 RT: 7.333 min Scan# 4212
 Delta R.T. -0.040 min
 Lab File: 081649-3.D
 Acq: 23 Jun 2025 12:06 pm

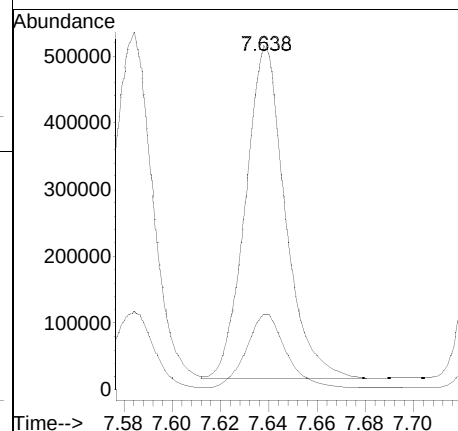
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.1	17.0	25.4

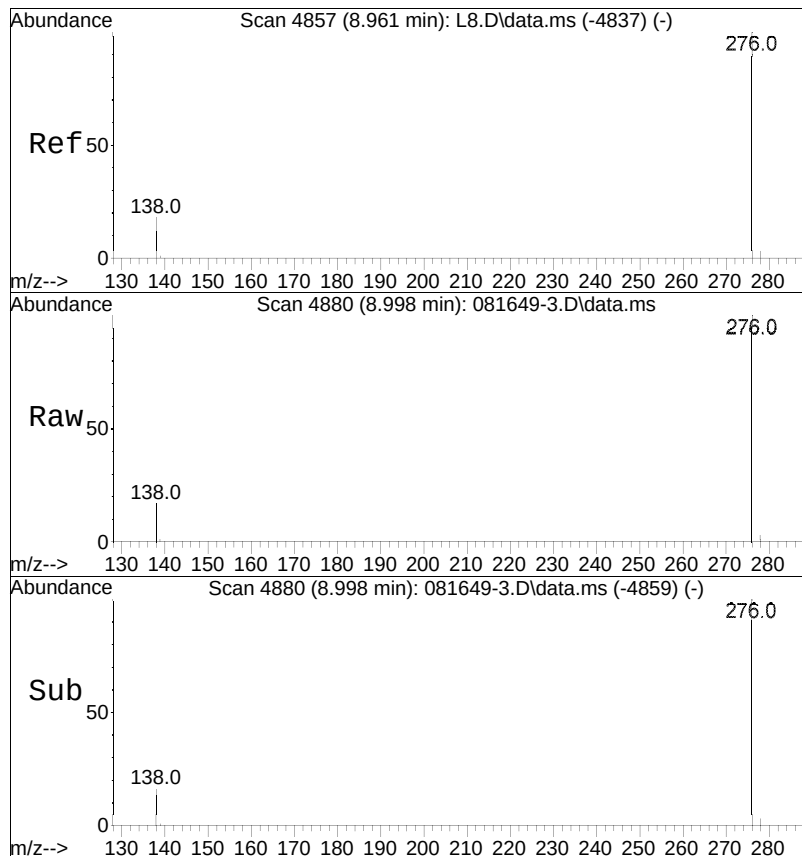




#41
 Benzo[a]pyrene
 Concen: 1424.27 ng/ml
 RT: 7.638 min Scan# 4332
 Delta R.T. -0.037 min
 Lab File: 081649-3.D
 Acq: 23 Jun 2025 12:06 pm

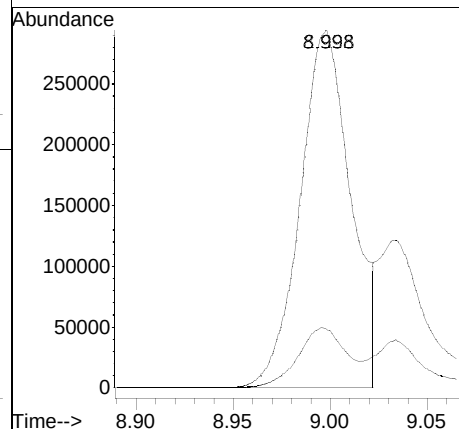
Tgt	Ion	Ratio	Lower	Upper
252	100			
253	21.9	17.4	26.0	

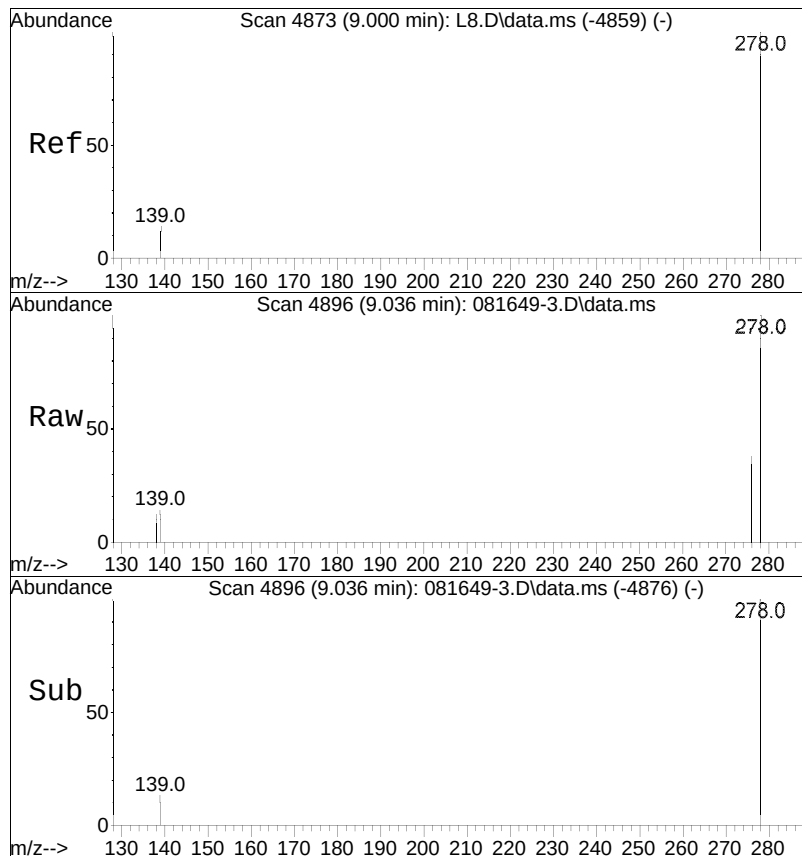




#42
 Indeno[1,2,3-cd]pyrene
 Concen: 1266.36 ng/ml
 RT: 8.998 min Scan# 4880
 Delta R.T. -0.030 min
 Lab File: 081649-3.D
 Acq: 23 Jun 2025 12:06 pm

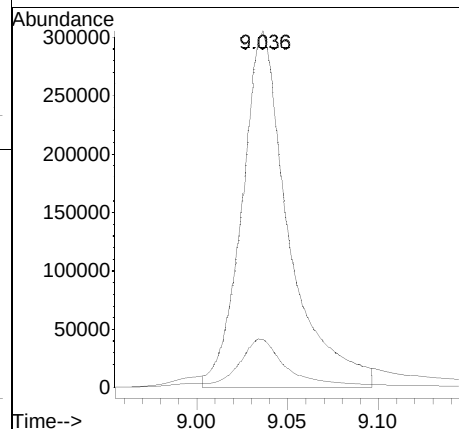
Tgt	Ion	Ratio	Lower	Upper
276	100			
138	15.8	14.4	21.6	

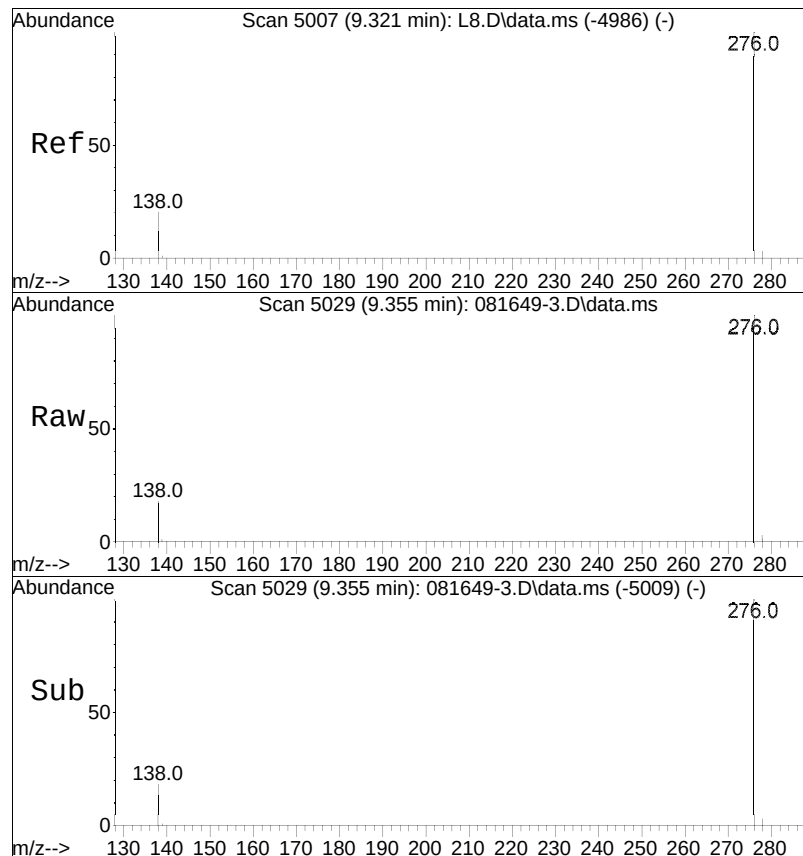




#43
 Dibenzo[a,h]anthracene
 Concen: 1362.36 ng/ml M6
 RT: 9.036 min Scan# 4896
 Delta R.T. -0.032 min
 Lab File: 081649-3.D
 Acq: 23 Jun 2025 12:06 pm

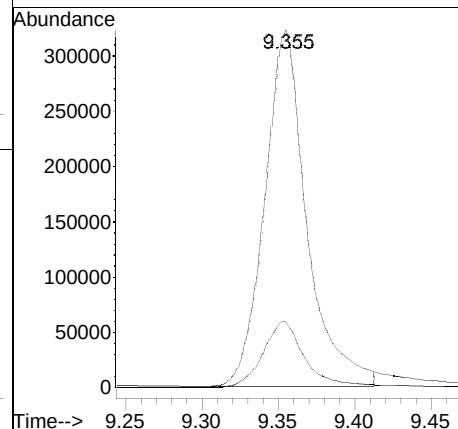
Tgt Ion	Ratio	Lower	Upper
278	100		
139	12.3	12.1	18.1





#44
 Benzo[g,h,i]perylene
 Concen: 1417.96 ng/ml
 RT: 9.355 min Scan# 5029
 Delta R.T. -0.032 min
 Lab File: 081649-3.D
 Acq: 23 Jun 2025 12:06 pm

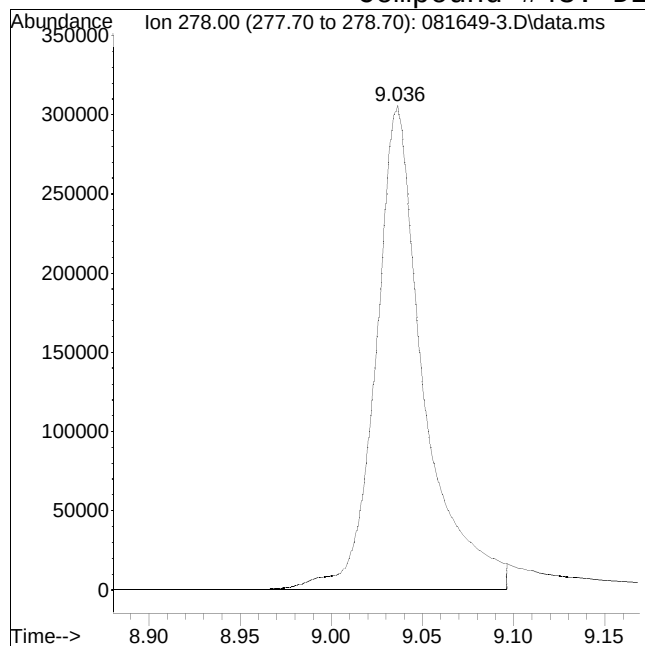
Tgt	Ion	Ratio	Lower	Upper
276	100			
138	18.4	16.0	24.0	



Manual Integration Report

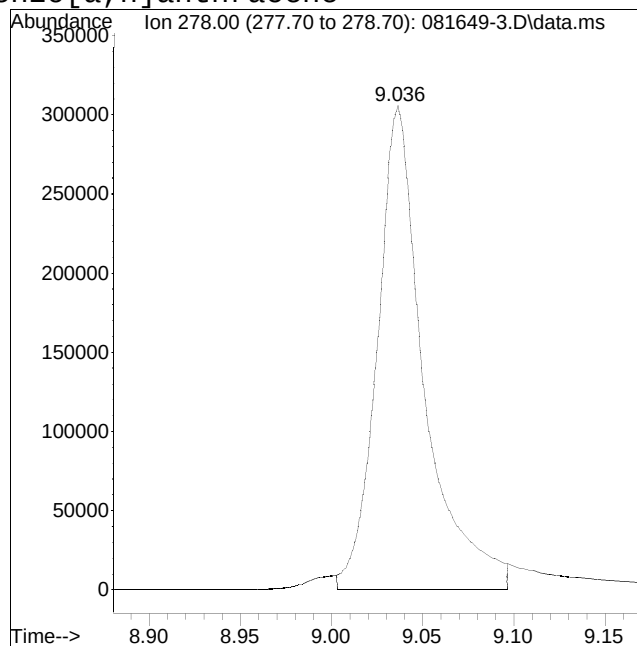
Data Path : I:\8270SIM\sv119\250623RVT\Method : SIM-RVT_250618_sv119.M
Data File : 081649-3.D Operator : sv119:rp
Date Inj'd : 6/23/2025 12:06 pm Instrument : SV119
Sample : WG2081652-3,32,,jjw Quant Date : 6/23/2025 12:20 pm

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 557437

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Peak Response = 547564 M6

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250623RVT\
 Data File : 081652-4.D
 Acq On : 23 Jun 2025 02:57 pm
 Operator : sv119:rp
 Sample : WG2081652-4,32,,jjw
 Misc : WG2082224,WG2081652,ical22394
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 23 18:52:04 2025
 Quant Method : I:\8270sim\sv119\250623RVT\SIM-RVT_250618_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Jun 23 09:30:43 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\250623RVT\ccv0623a.D
 Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.306	152	277598	4000.000	ng/ml	0.00
Standard Area 1 = 223163			Recovery	=	124.39%	
9) Naphthalene-d8	2.968	136	1081344	4000.000	ng/ml	0.00
Standard Area 1 = 839534			Recovery	=	128.80%	
18) Acenaphthene-d10	3.946	164	669280	4000.000	ng/ml	0.00
Standard Area 1 = 501334			Recovery	=	133.50%	
23) Phenanthrene-d10	4.797	188	1383502	4000.000	ng/ml	0.00
Standard Area 1 = 1091615			Recovery	=	126.74%	
33) Chrysene-d12	6.425	240	1355934	4000.000	ng/ml	-0.03
Standard Area 1 = 1163786			Recovery	=	116.51%	
38) Perylene-d12	7.721	264	1428327	4000.000	ng/ml	-0.02
Standard Area 1 = 1221164			Recovery	=	116.96%	
System Monitoring Compounds						
3) 2-Fluorophenol	1.730	112	92009	1180.114	ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	59.01%	
4) Phenol-d6	2.120	99	89894	888.011	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	44.40%	
8) Nitrobenzene-d5	2.584	82	63124	755.905	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	75.59%	
14) 2-Fluorobiphenyl	3.562	172	176096	719.777	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	71.98%	
22) 2,4,6-Tribromophenol	4.396	330	66811	1989.936	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	99.50%	
32) 4-Terphenyl-d14	5.741	244	265073	852.153	ng/ml	-0.02
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	85.22%	
Target Compounds						
						Qvalue
2) N-Nitrosodimethylamine	1.295	74	54020	1176.356	ng/mL#	1
5) Bis(2-chloroethyl)ether	2.171	93	124027	1518.182	ng/ml	100
6) n-nitrosodi-n-propylamine	2.504	70	102908	1675.559	ng/ml	99
7) Hexachloroethane	2.564	117	41864	1136.190	ng/ml	98
10) Naphthalene	2.977	128	379392	1339.087	ng/ml	99
11) Hexachlorobutadiene	3.048	225	64981	1158.344	ng/ml	100
12) 2-Methylnaphthalene	3.357	142	258220	1374.464	ng/ml	100
13) 1-Methylnaphthalene	3.413	142	259687	1337.083	ng/ml	100
15) 2-Chloronaphthalene	3.629	162	299927	1423.528	ng/ml	99
16) 2,6-Dinitrotoluene	3.823	165	71477	1667.900	ng/ml	98
17) Acenaphthylene	3.864	152	513281	1465.552	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250623RVT\
 Data File : 081652-4.D
 Acq On : 23 Jun 2025 02:57 pm
 Operator : sv119:rp
 Sample : WG2081652-4,32,,jjw
 Misc : WG2082224,WG2081652,ical22394
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 23 18:52:04 2025
 Quant Method : I:\8270sim\sv119\250623RVT\SIM-RVT_250618_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Jun 23 09:30:43 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\250623RVT\ccv0623a.D
 Sub List : DEFAULT - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19)	Acenaphthene	3.963	153	315269	1418.168	ng/ml	95
20)	2,4-Dinitrotoluene	4.053	165	93519	1585.297	ng/ml	91
21)	Fluorene	4.257	166	390030	1466.543	ng/ml	99
24)	4,6-Dinitro-o-cresol	4.286	198	41961	1358.444	ng/ml#	84
25)	Hexachlorobenzene	4.576	284	142825	1667.929	ng/ml	95
26)	Pentachlorophenol	4.692	266	95943	2270.768	ng/ml	100
27)	Phenanthrene	4.809	178	606478	1475.095	ng/ml	100
28)	Anthracene	4.837	178	615326	1534.077	ng/ml	100
29)	Fluoranthene	5.509	202	761842	1523.445	ng/ml	99
30)	Pyrene	5.647	202	762684	1478.122	ng/ml	100
31)	Benzidine	0.000		0	N.D.	d	
34)	Benzo[a]anthracene	6.418	228	756068	1587.050	ng/ml	100
35)	3,3'-Dichlorobenzidine	0.000		0	N.D.	d	
36)	Chrysene	6.442	228	696336	1562.109	ng/ml	99
37)	Bis(2-ethylhexyl)phtha...	6.448	149	464282	1757.365	ng/ml	99
39)	Benzo[b]fluoranthene	7.319	252	748116	1737.894	ng/ml	98
40)	Benzo[k]fluoranthene	7.344	252	743676	1635.849	ng/ml	98
41)	Benzo[a]pyrene	7.649	252	656036	1674.611	ng/ml	99
42)	Indeno[1,2,3-cd]pyrene	9.009	276	719231	1752.788	ng/ml	96
43)	Dibenzo[a,h]anthracene	9.050	278	681931M6	1739.457	ng/ml	
44)	Benzo[g,h,i]perylene	9.371	276	748136	1779.256	ng/ml	97

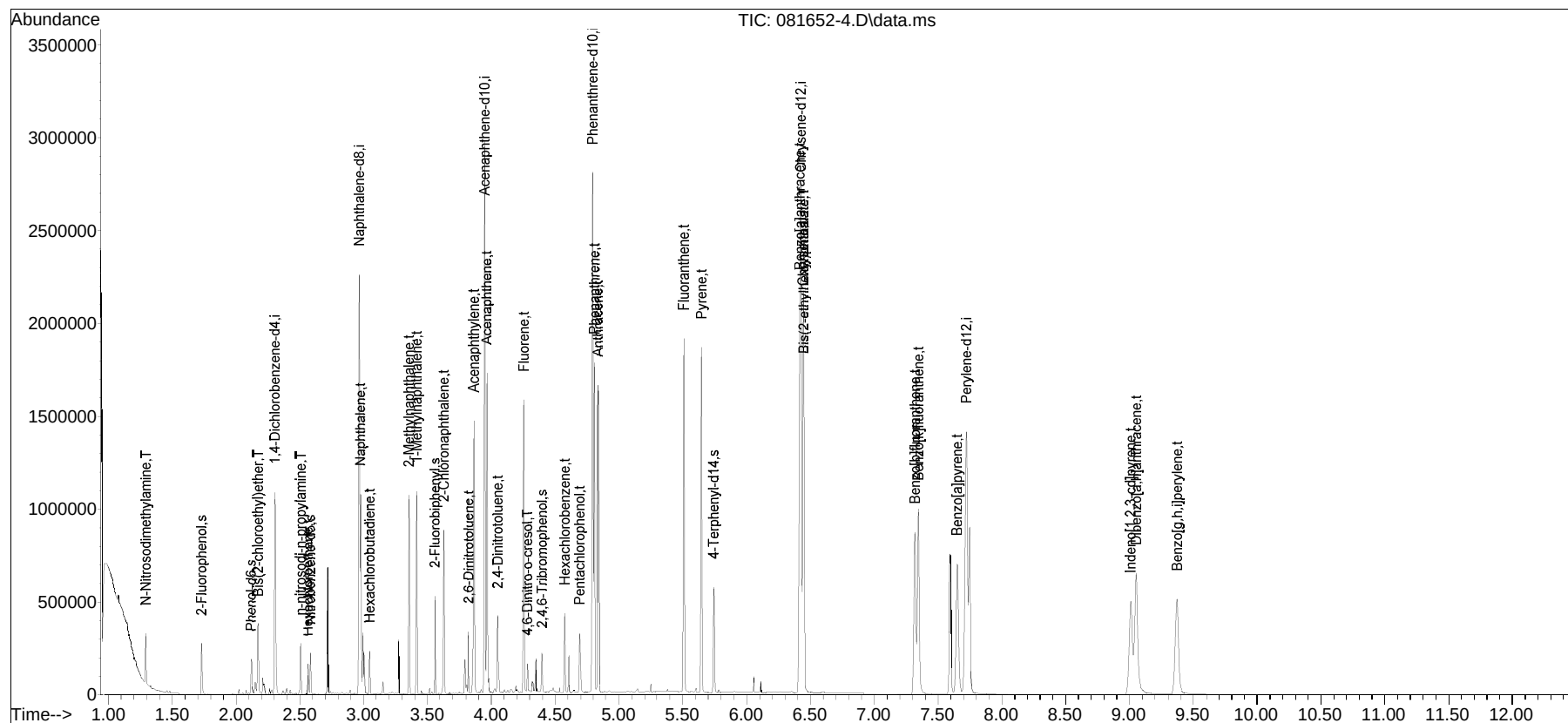
(#) = qualifier out of range (m) = manual integration (+) = signals summed

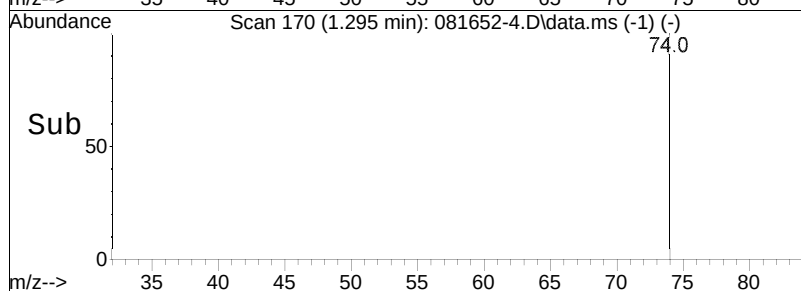
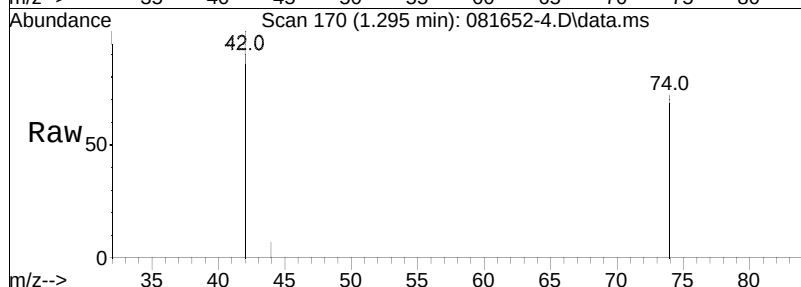
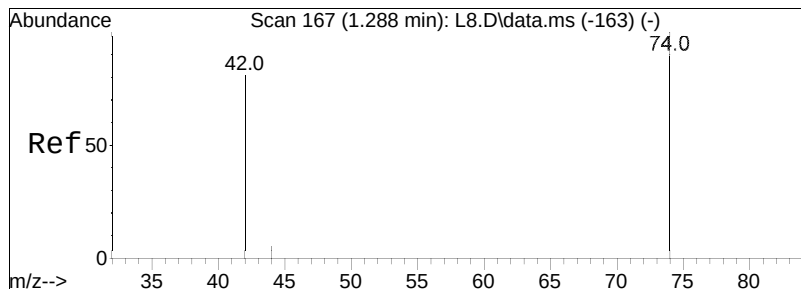
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250623RVT\
 Data File : 081652-4.D
 Acq On : 23 Jun 2025 02:57 pm
 Operator : sv119:rp
 Sample : WG2081652-4,32,,jjw
 Misc : WG2082224,WG2081652,ical22394
 ALS Vial : 19 Sample Multiplier: 1

Quant Time: Jun 23 18:52:04 2025
 Quant Method : I:\8270sim\sv119\250623RVT\SIM-RVT_250618_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Jun 23 09:30:43 2025
 Response via : Initial Calibration

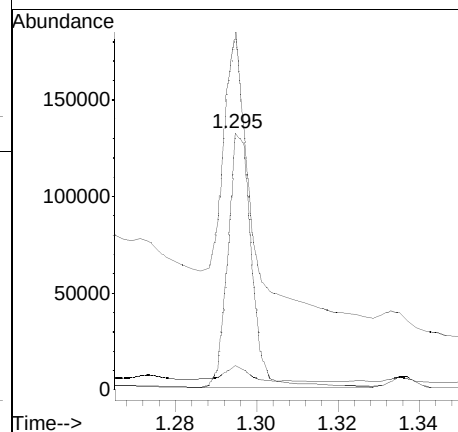
Sub List : DEFAULT - All compounds listed\ccv0623a.D•

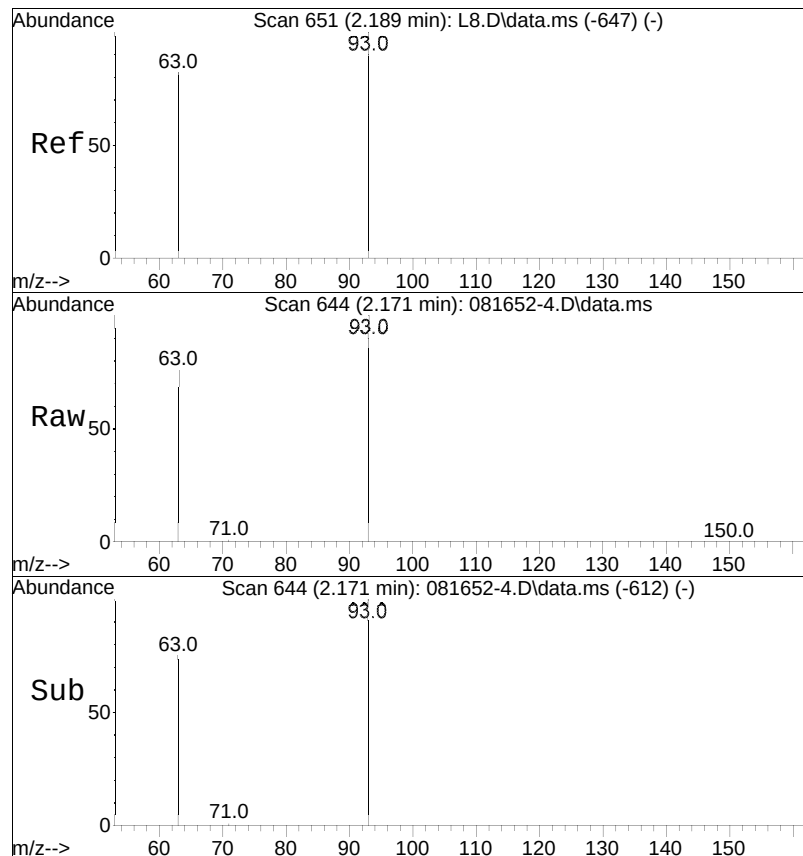




#2
 N-Nitrosodimethylamine
 Concen: 1176.36 ng/mL
 RT: 1.295 min Scan# 170
 Delta R.T. 0.012 min
 Lab File: 081652-4.D
 Acq: 23 Jun 2025 02:57 pm

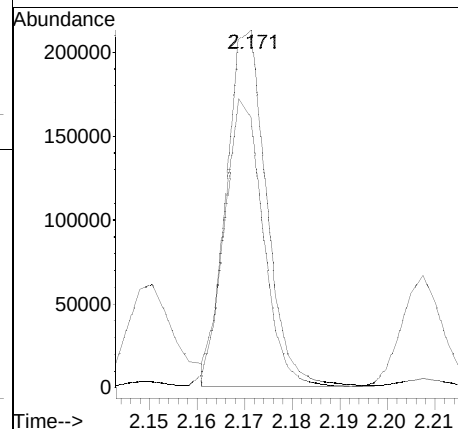
Tgt Ion: 74 Resp: 54020
 Ion Ratio Lower Upper
 74 100
 42 134.7 293.4 440.0#
 44 6.7 4.3 6.5#

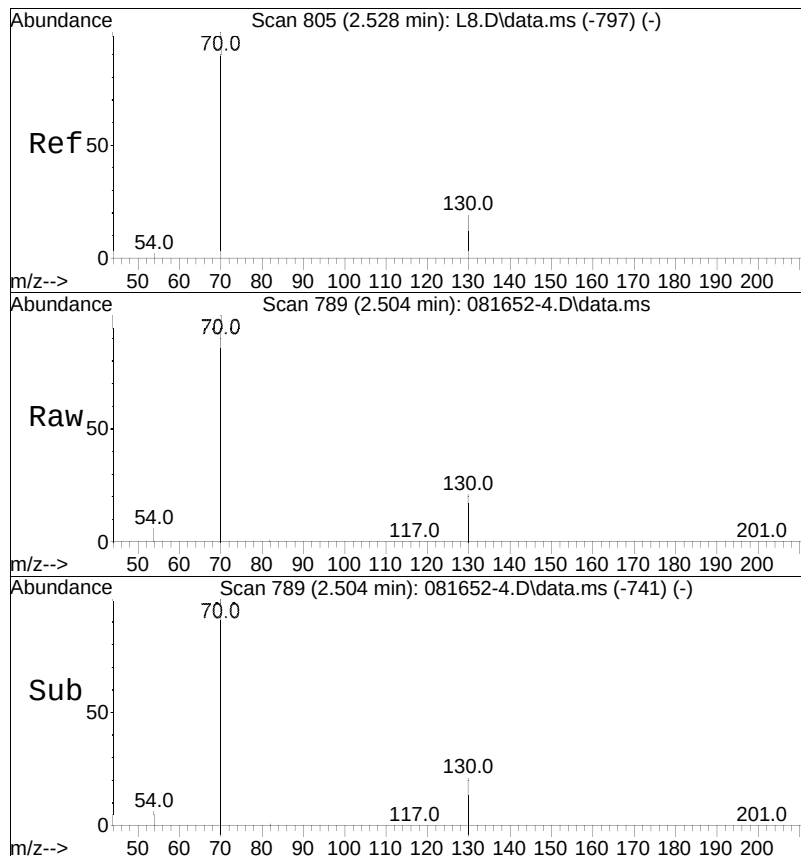




#5
 Bis(2-chloroethyl)ether
 Concen: 1518.18 ng/ml
 RT: 2.171 min Scan# 644
 Delta R.T. 0.002 min
 Lab File: 081652-4.D
 Acq: 23 Jun 2025 02:57 pm

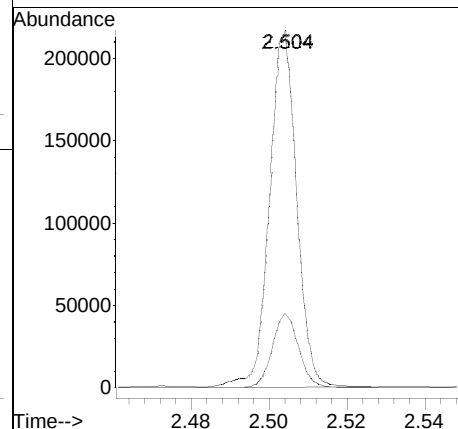
Tgt Ion	Ratio	Lower	Upper
93	100		
63	78.3	62.9	94.3

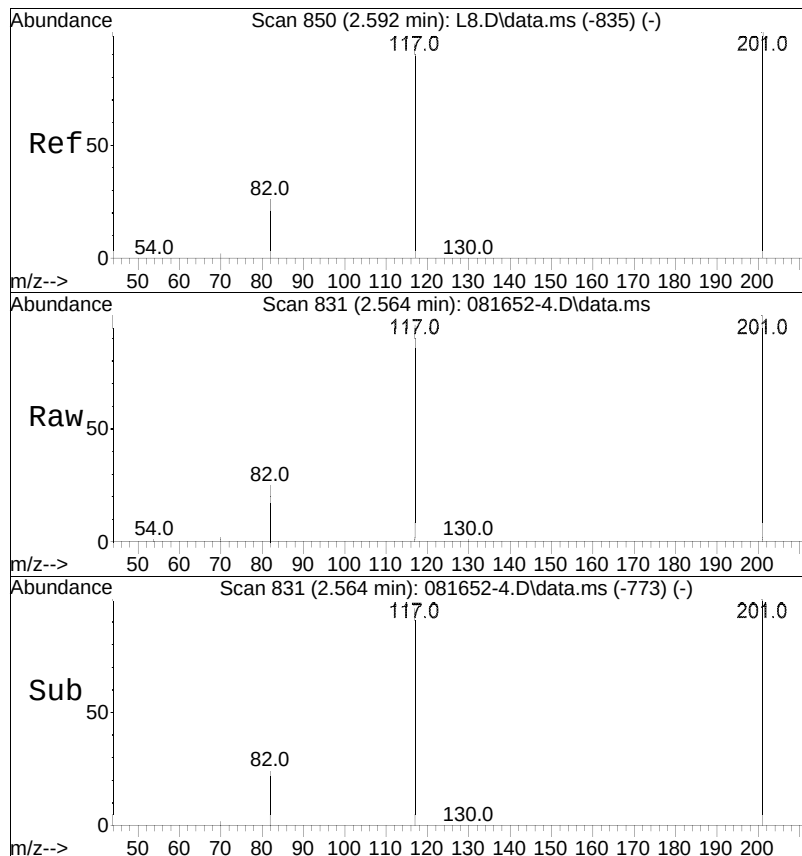




#6
 n-nitrosodi-n-propylamine
 Concen: 1675.56 ng/ml
 RT: 2.504 min Scan# 789
 Delta R.T. 0.003 min
 Lab File: 081652-4.D
 Acq: 23 Jun 2025 02:57 pm

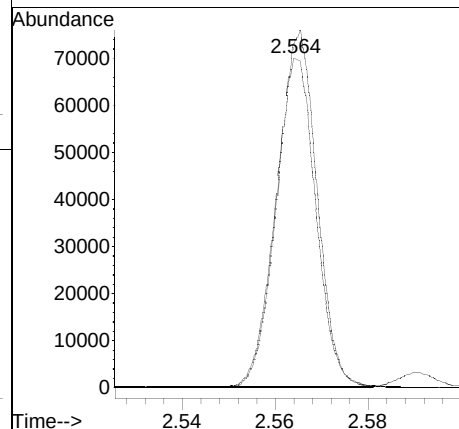
Tgt Ion	Ratio	Lower	Upper
70	100		
130	20.1	16.4	24.6

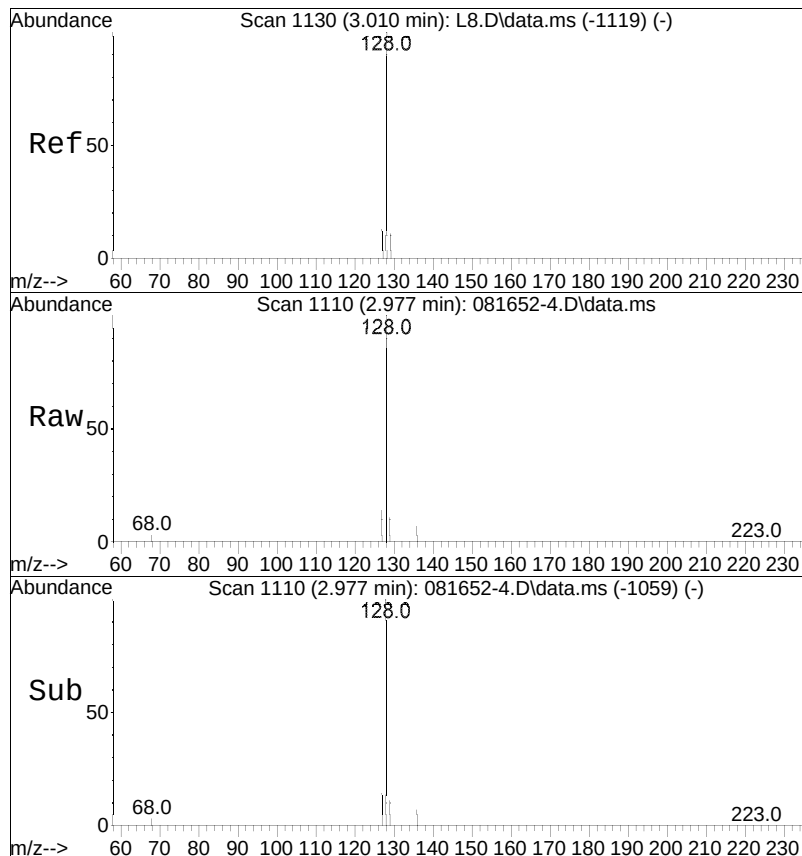




#7
 Hexachloroethane
 Concen: 1136.19 ng/ml
 RT: 2.564 min Scan# 831
 Delta R.T. 0.001 min
 Lab File: 081652-4.D
 Acq: 23 Jun 2025 02:57 pm

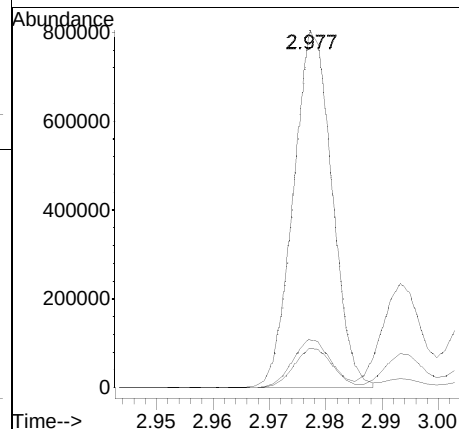
Tgt Ion	Ratio	Lower	Upper
117	100		
201	106.1	82.9	124.3

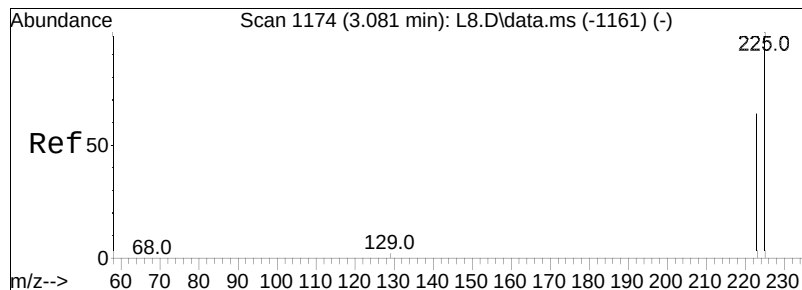




#10
 Naphthalene
 Concen: 1339.09 ng/ml
 RT: 2.977 min Scan# 1110
 Delta R.T. 0.001 min
 Lab File: 081652-4.D
 Acq: 23 Jun 2025 02:57 pm

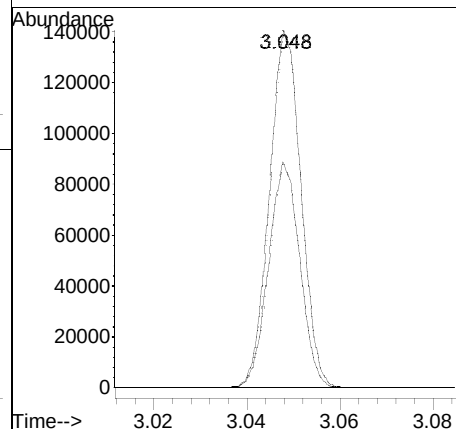
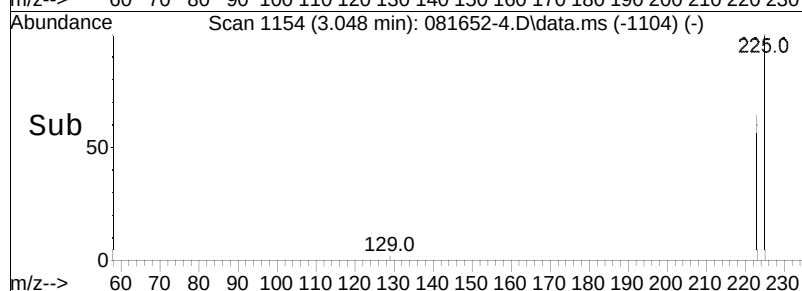
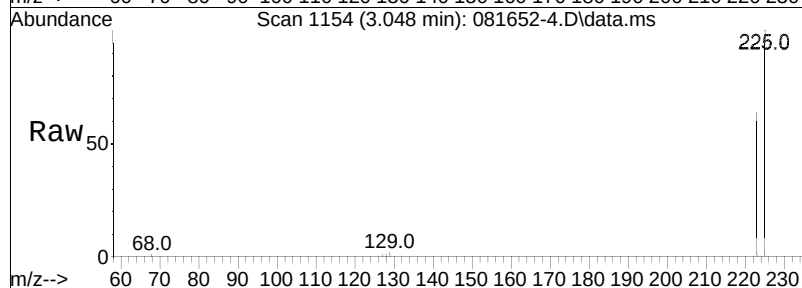
Tgt	Ion	Ratio	Resp	Lower	Upper
128	100		379392		
129	11.3		8.8	13.2	
127	13.6		10.6	15.8	

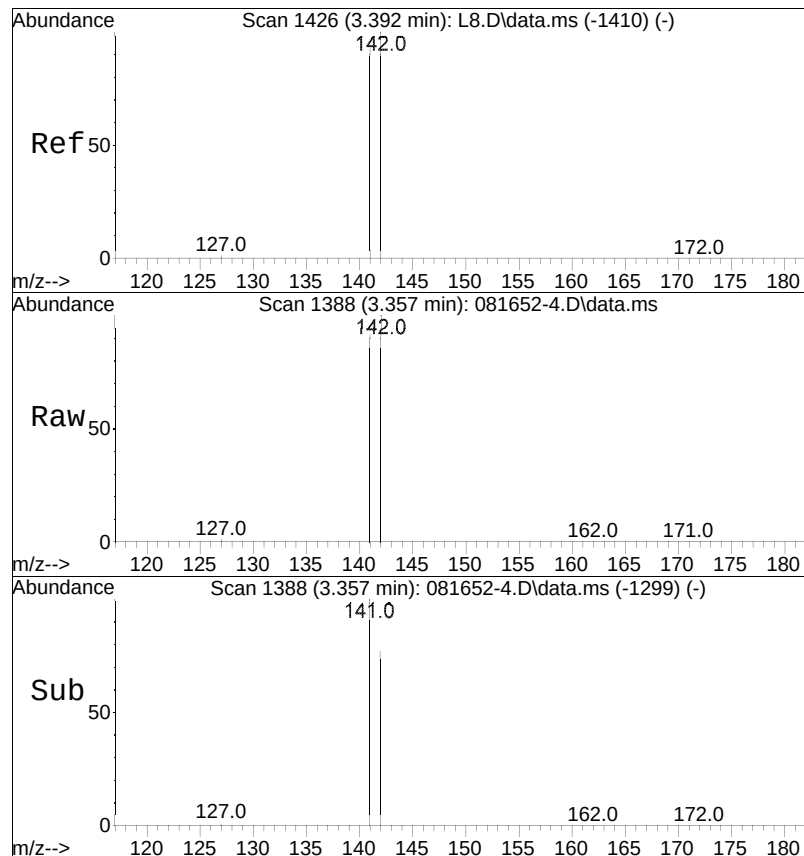




#11
 Hexachlorobutadiene
 Concen: 1158.34 ng/ml
 RT: 3.048 min Scan# 1154
 Delta R.T. -0.000 min
 Lab File: 081652-4.D
 Acq: 23 Jun 2025 02:57 pm

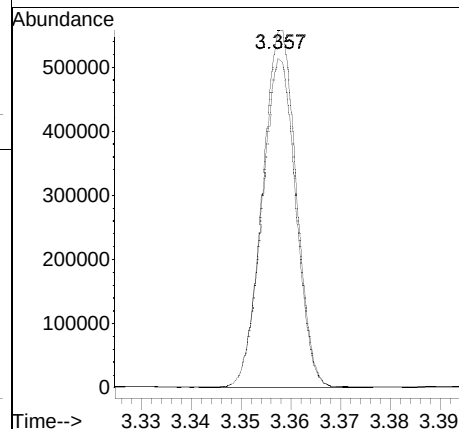
Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	50.2	75.4

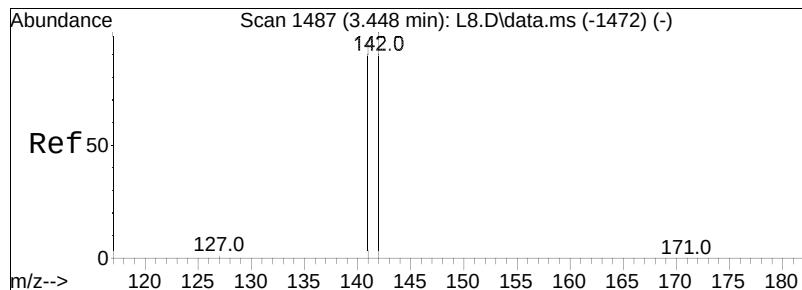




#12
 2-Methylnaphthalene
 Concen: 1374.46 ng/ml
 RT: 3.357 min Scan# 1388
 Delta R.T. 0.001 min
 Lab File: 081652-4.D
 Acq: 23 Jun 2025 02:57 pm

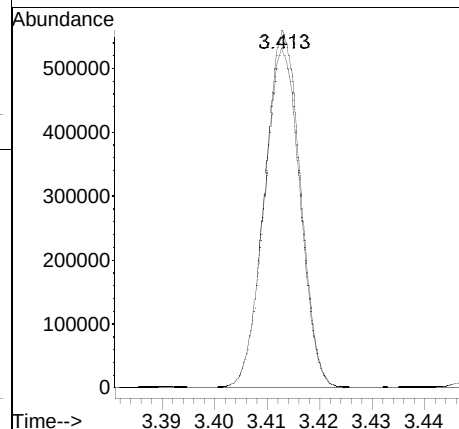
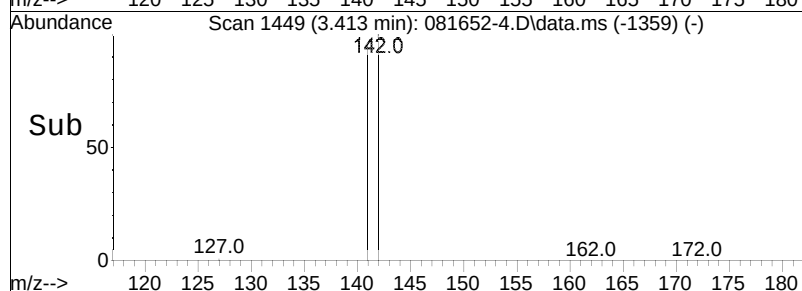
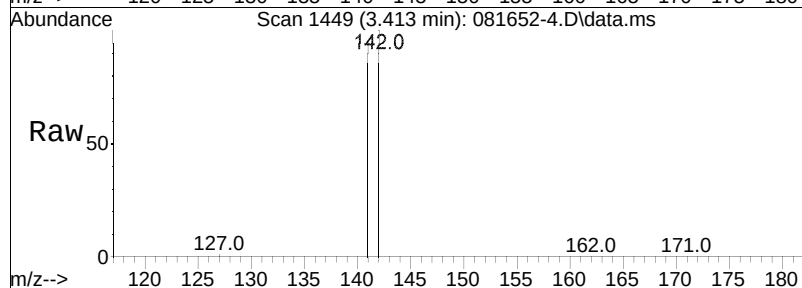
Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.8	73.6	110.4

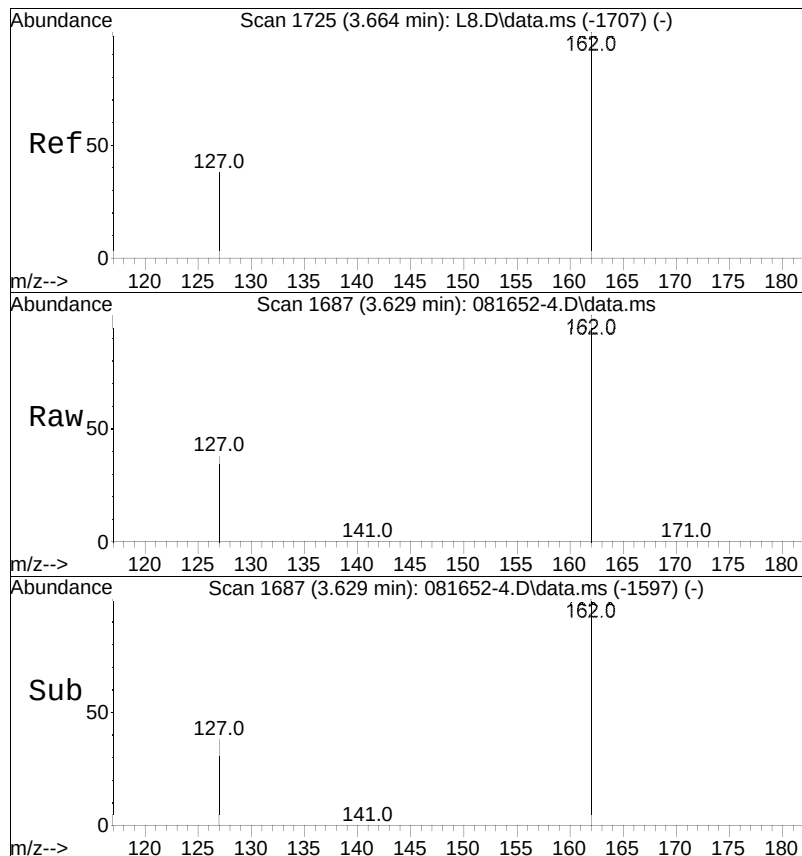




#13
 1-Methylnaphthalene
 Concen: 1337.08 ng/ml
 RT: 3.413 min Scan# 1449
 Delta R.T. 0.002 min
 Lab File: 081652-4.D
 Acq: 23 Jun 2025 02:57 pm

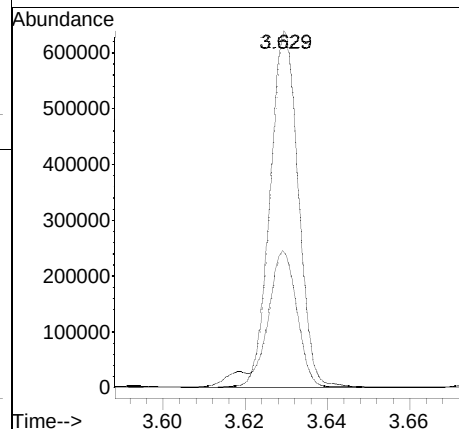
Tgt Ion	Ratio	Lower	Upper
142	100		
141	95.2	76.0	114.0

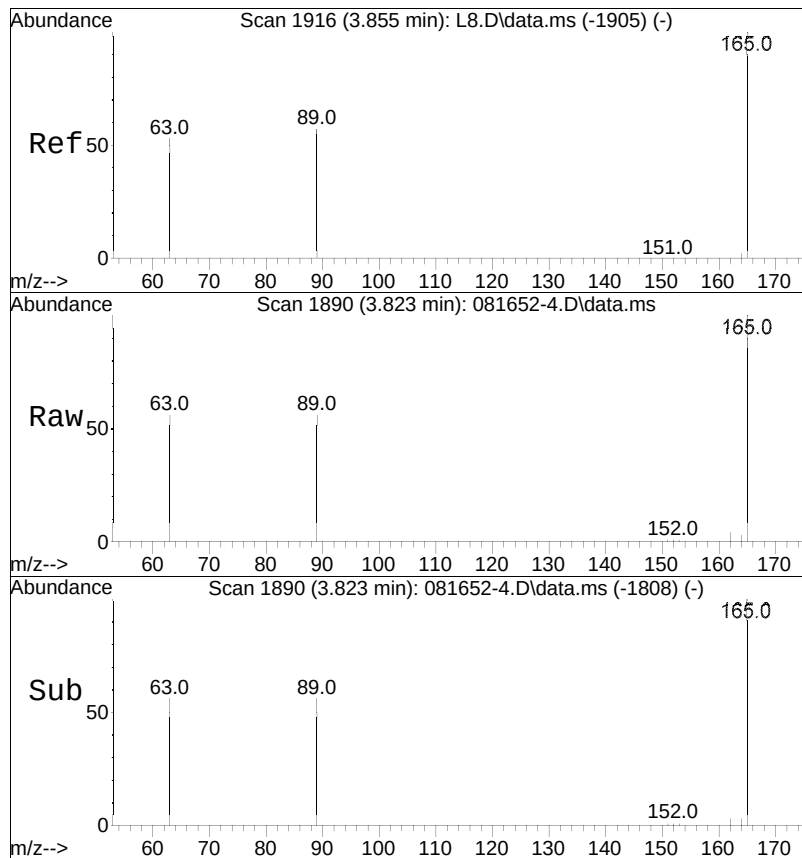




#15
 2-Chloronaphthalene
 Concen: 1423.53 ng/ml
 RT: 3.629 min Scan# 1687
 Delta R.T. 0.002 min
 Lab File: 081652-4.D
 Acq: 23 Jun 2025 02:57 pm

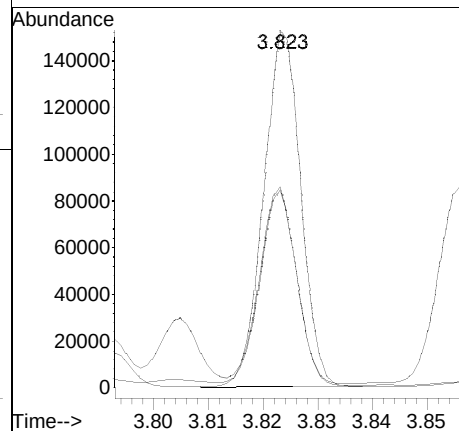
Tgt Ion	Ratio	Lower	Upper
162	100		
127	38.0	29.8	44.8

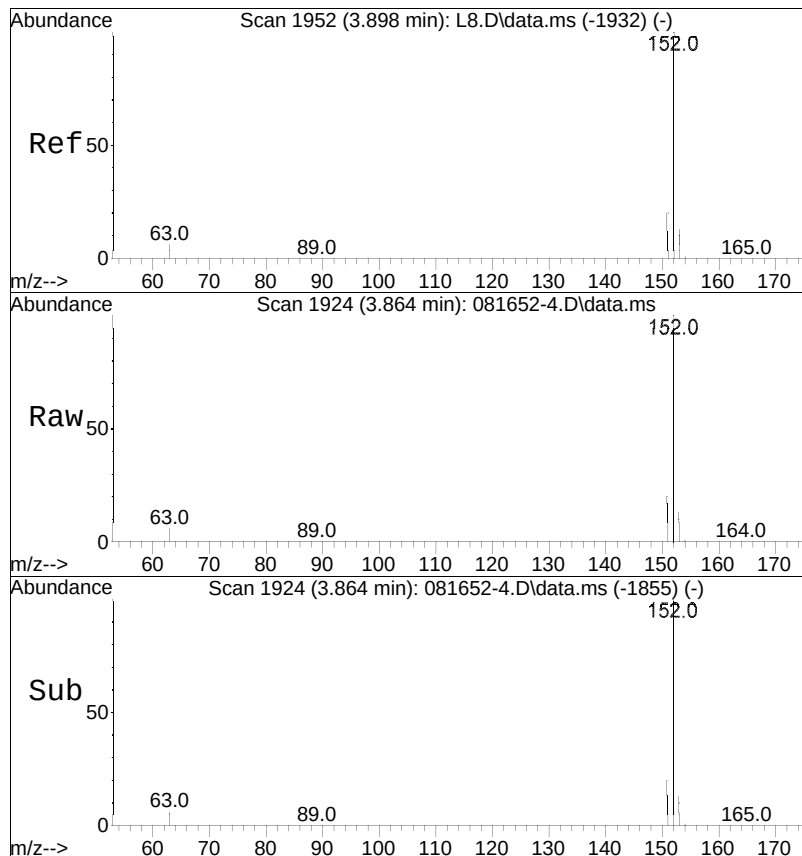




#16
 2,6-Dinitrotoluene
 Concen: 1667.90 ng/ml
 RT: 3.823 min Scan# 1890
 Delta R.T. 0.004 min
 Lab File: 081652-4.D
 Acq: 23 Jun 2025 02:57 pm

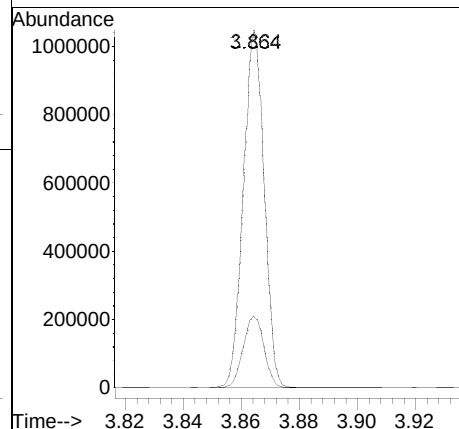
Tgt Ion	Ratio	Lower	Upper
165	100		
89	54.9	45.6	68.4
63	55.4	45.4	68.2

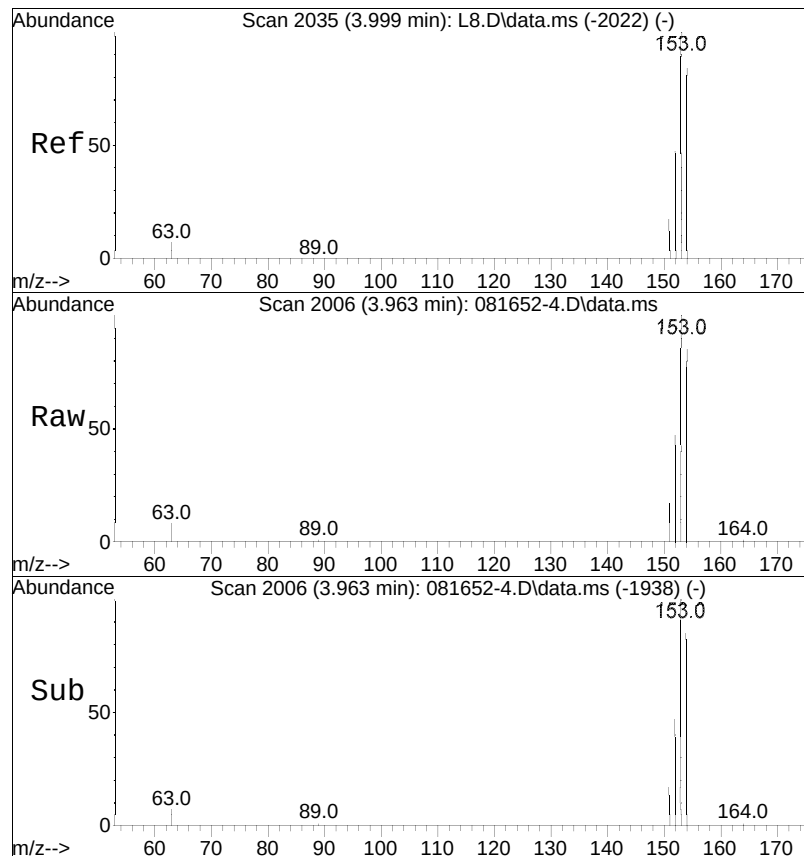




#17
 Acenaphthylene
 Concen: 1465.55 ng/ml
 RT: 3.864 min Scan# 1924
 Delta R.T. 0.002 min
 Lab File: 081652-4.D
 Acq: 23 Jun 2025 02:57 pm

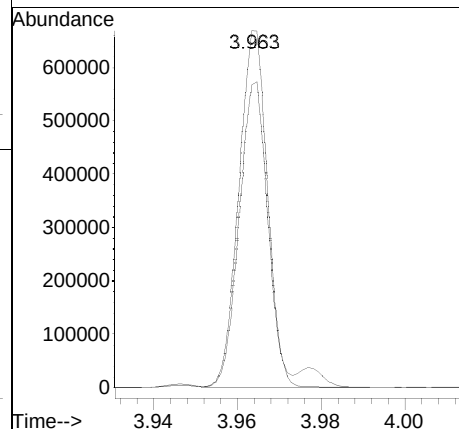
Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.2	24.2

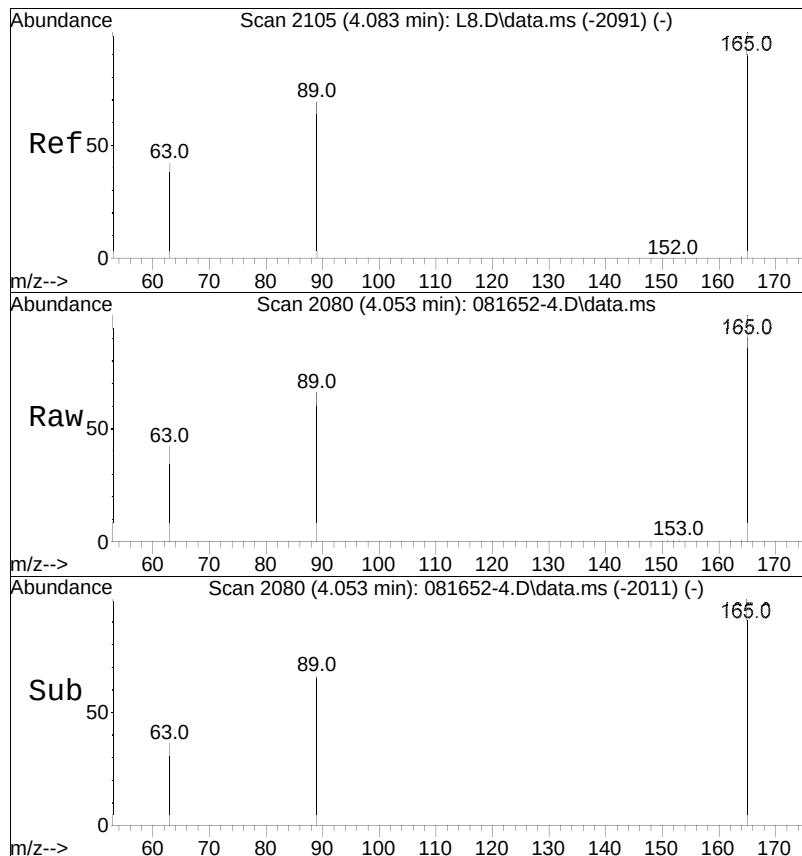




#19
 Acenaphthene
 Concen: 1418.17 ng/ml
 RT: 3.963 min Scan# 2006
 Delta R.T. 0.002 min
 Lab File: 081652-4.D
 Acq: 23 Jun 2025 02:57 pm

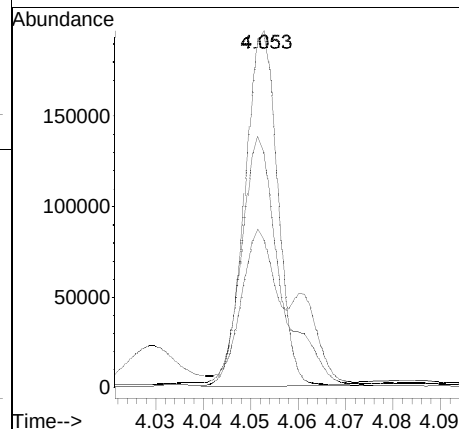
Tgt Ion	Ratio	Lower	Upper
153	100		
154	85.6	72.0	108.0

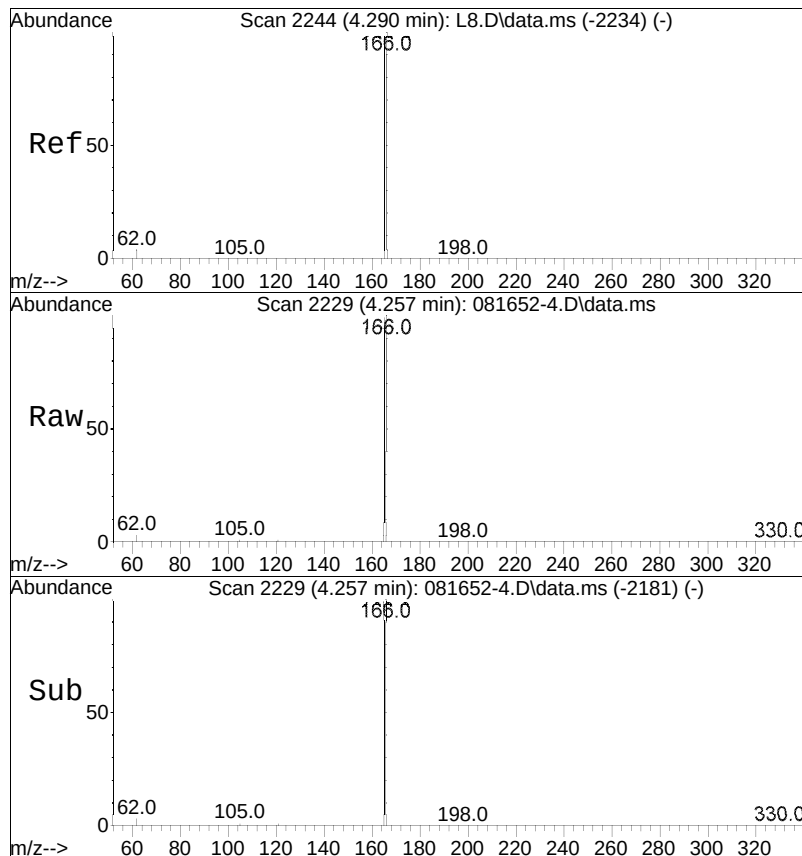




#20
 2,4-Dinitrotoluene
 Concen: 1585.30 ng/ml
 RT: 4.053 min Scan# 2080
 Delta R.T. 0.004 min
 Lab File: 081652-4.D
 Acq: 23 Jun 2025 02:57 pm

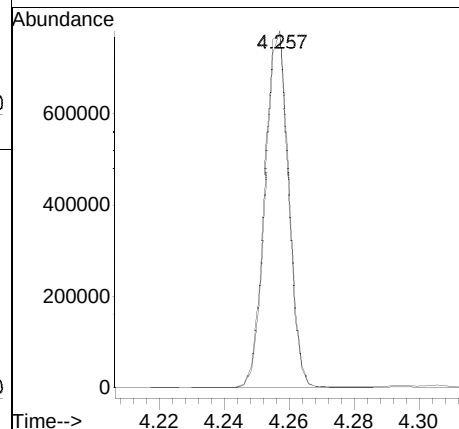
Tgt Ion	Ratio	Lower	Upper
165	100		
89	81.9	56.6	85.0
63	43.4	35.0	52.6

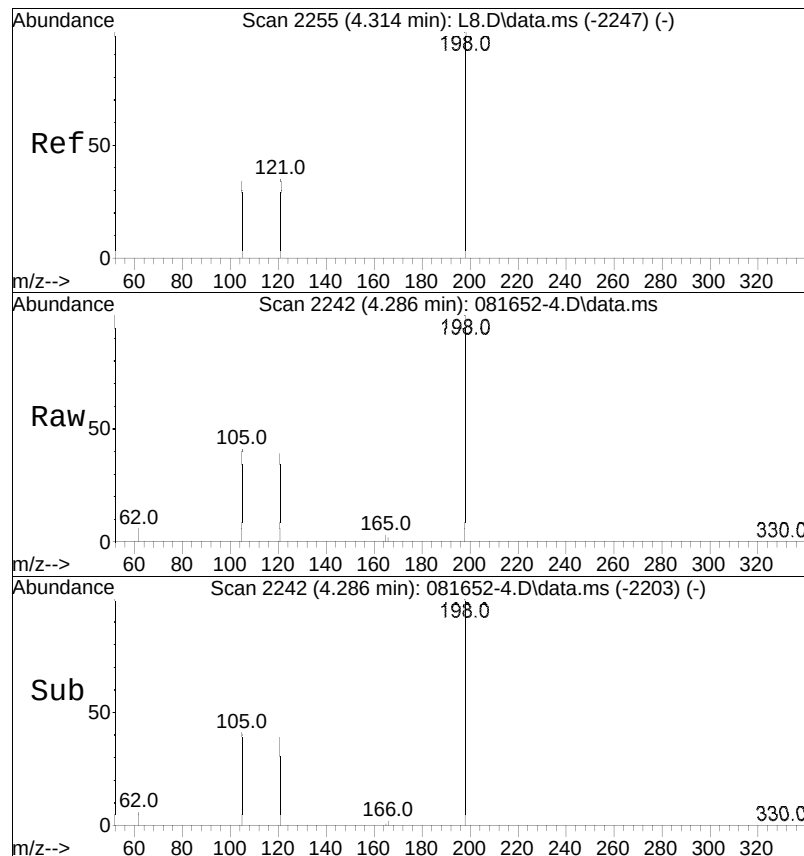




#21
 Fluorene
 Concen: 1466.54 ng/ml
 RT: 4.257 min Scan# 2229
 Delta R.T. 0.002 min
 Lab File: 081652-4.D
 Acq: 23 Jun 2025 02:57 pm

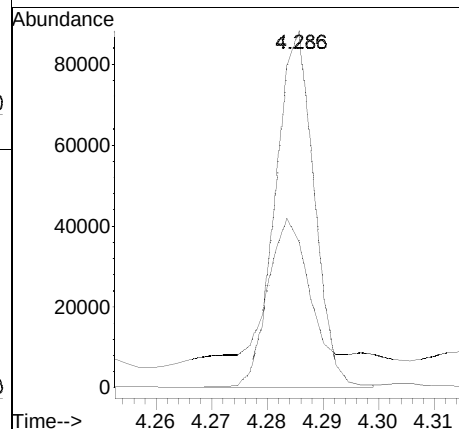
Tgt	Ion	Ratio	Lower	Upper
166	100			
165	101.2	81.5	122.3	

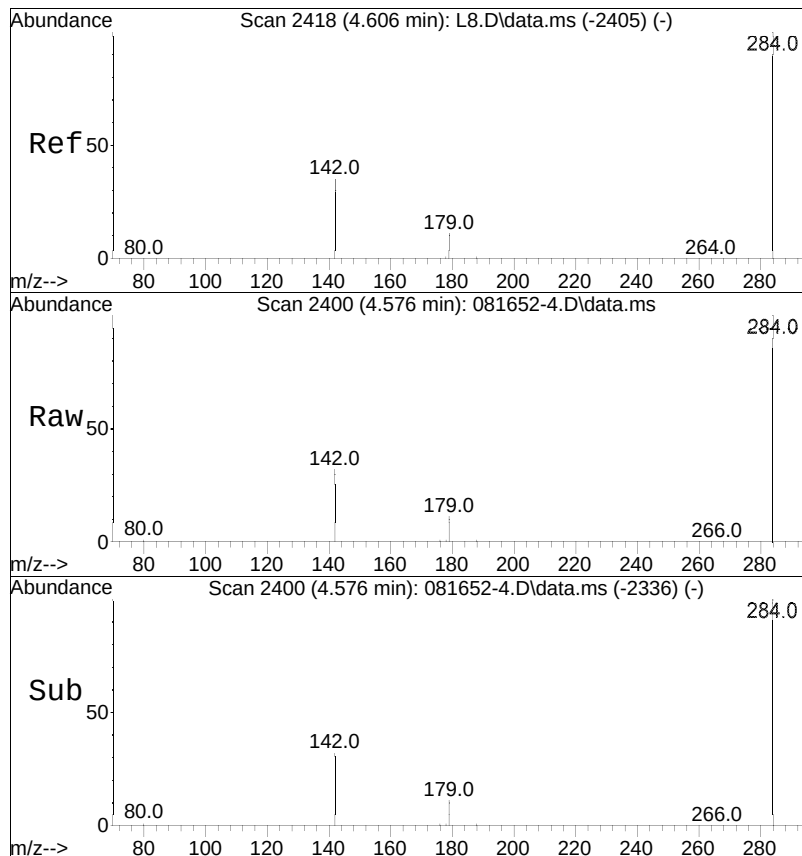




#24
 4,6-Dinitro-o-cresol
 Concen: 1358.44 ng/ml
 RT: 4.286 min Scan# 2242
 Delta R.T. 0.004 min
 Lab File: 081652-4.D
 Acq: 23 Jun 2025 02:57 pm

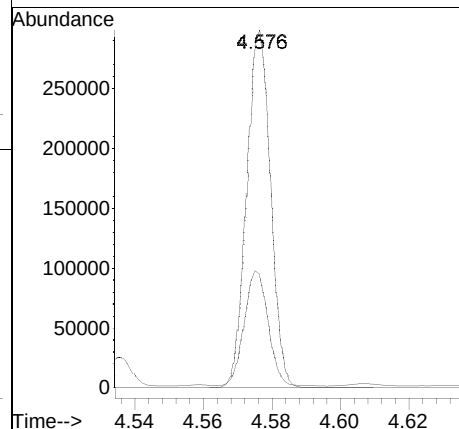
Tgt Ion	Ratio	Lower	Upper
198	100		
105	49.8	32.1	48.1#

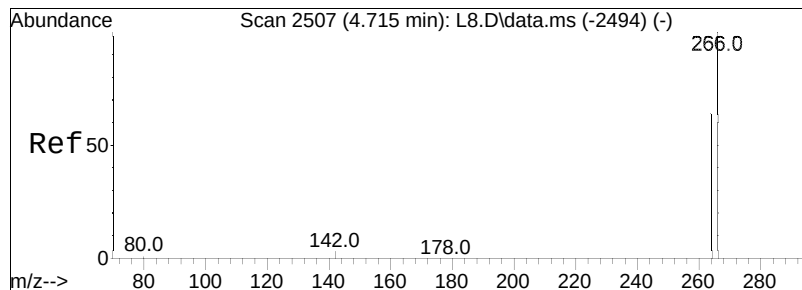




#25
 Hexachlorobenzene
 Concen: 1667.93 ng/ml
 RT: 4.576 min Scan# 2400
 Delta R.T. 0.002 min
 Lab File: 081652-4.D
 Acq: 23 Jun 2025 02:57 pm

Tgt Ion	Ratio	Lower	Upper
284	100		
142	32.9	28.8	43.2





#26

Pentachlorophenol

Concen: 2270.77 ng/ml

RT: 4.692 min Scan# 2494

Delta R.T. 0.005 min

Lab File: 081652-4.D

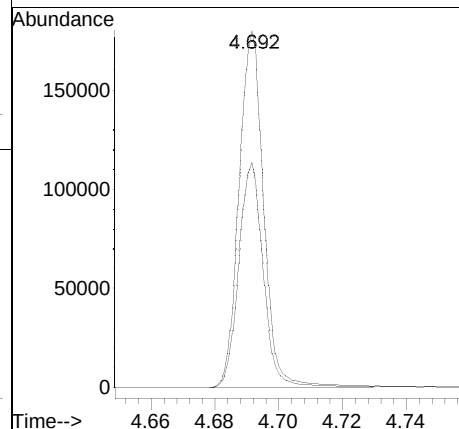
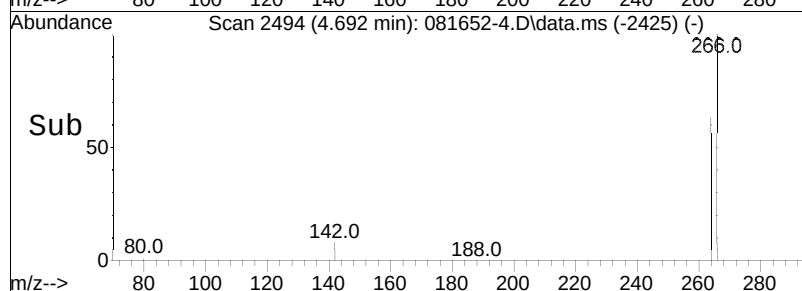
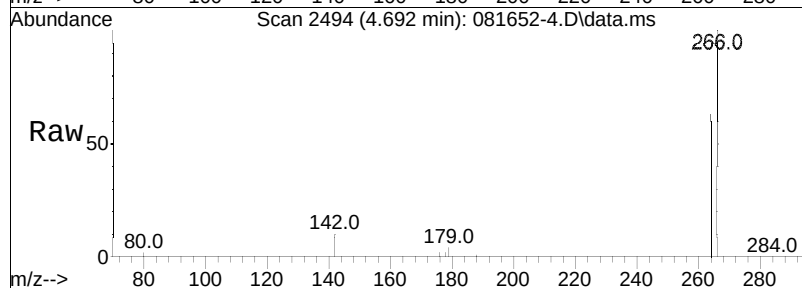
Acq: 23 Jun 2025 02:57 pm

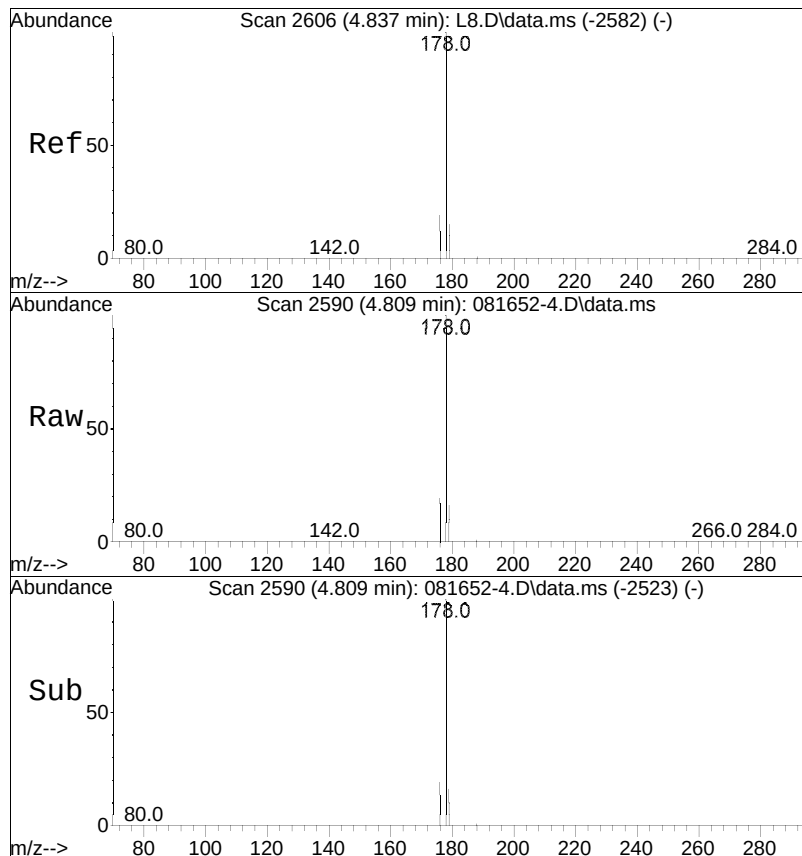
Tgt Ion: 266 Resp: 95943

Ion Ratio Lower Upper

266 100

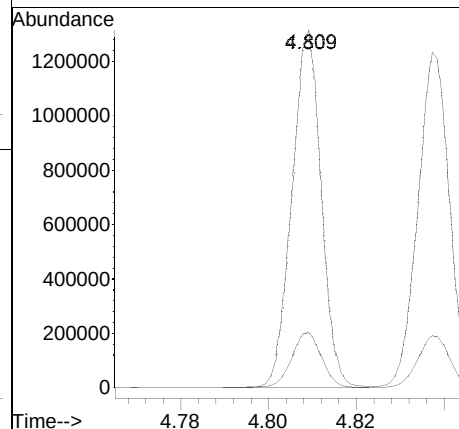
264 63.0 50.6 76.0

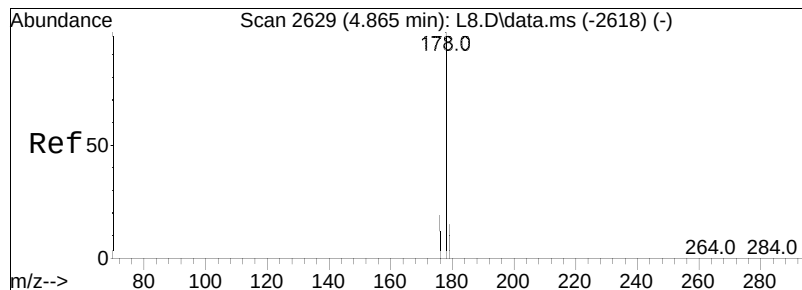




#27
 Phenanthrene
 Concen: 1475.10 ng/ml
 RT: 4.809 min Scan# 2590
 Delta R.T. 0.002 min
 Lab File: 081652-4.D
 Acq: 23 Jun 2025 02:57 pm

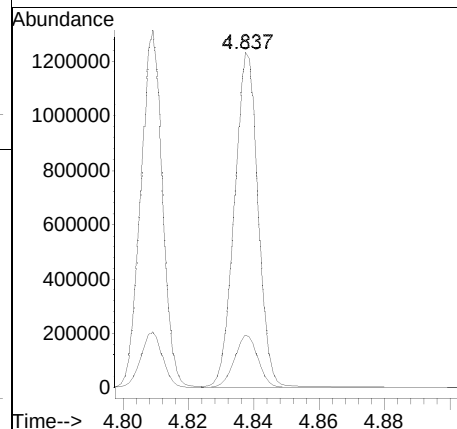
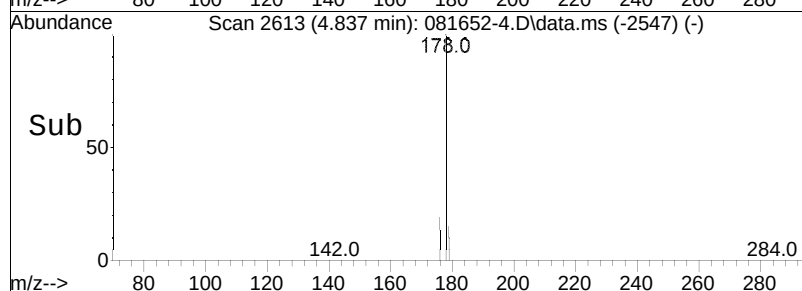
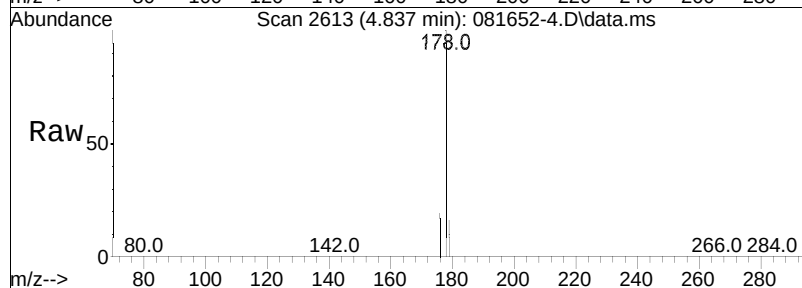
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.4	18.6

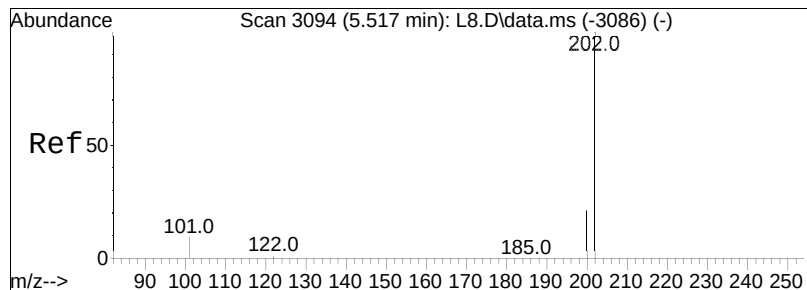




#28
 Anthracene
 Concen: 1534.08 ng/ml
 RT: 4.837 min Scan# 2613
 Delta R.T. 0.001 min
 Lab File: 081652-4.D
 Acq: 23 Jun 2025 02:57 pm

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.4	12.2	18.2





#29

Fluoranthene

Concen: 1523.44 ng/ml

RT: 5.509 min Scan# 3096

Delta R.T. -0.007 min

Lab File: 081652-4.D

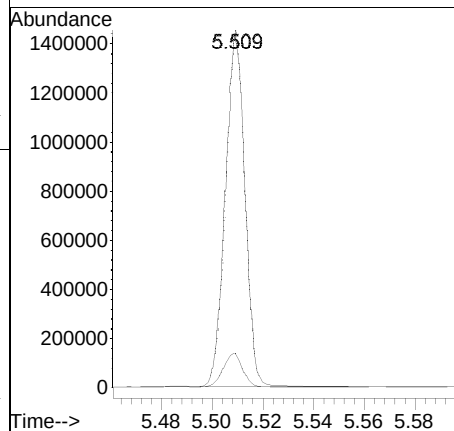
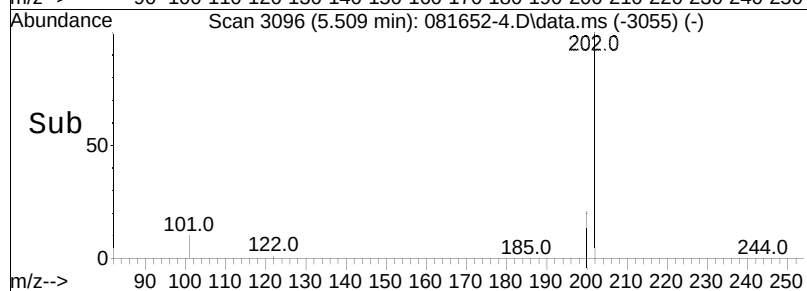
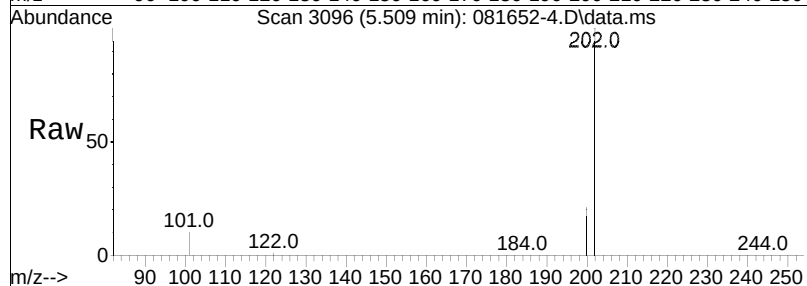
Acq: 23 Jun 2025 02:57 pm

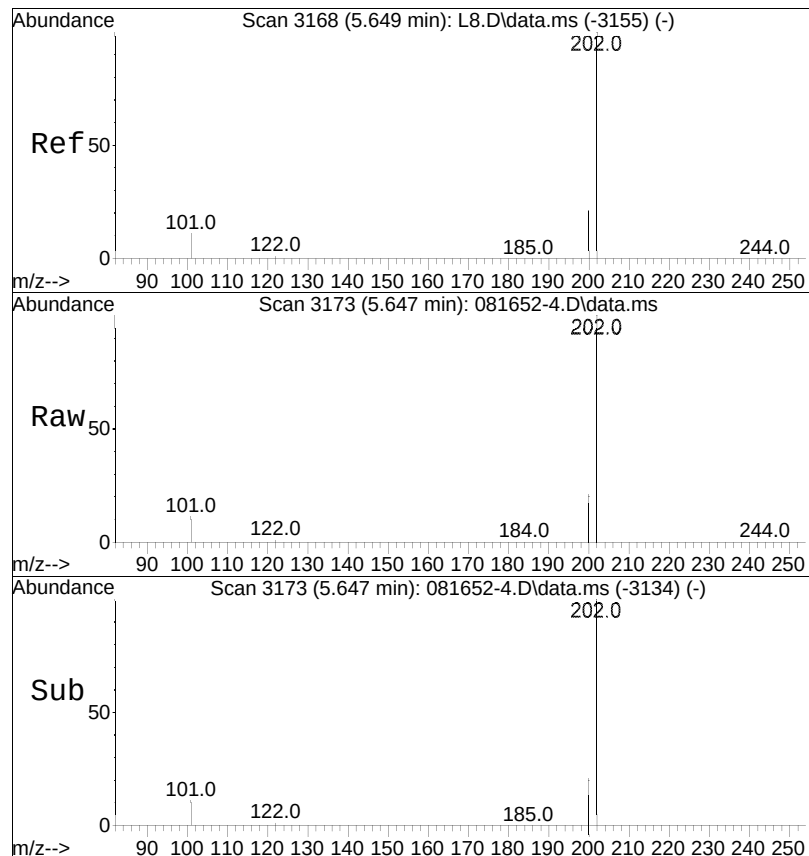
Tgt Ion: 202 Resp: 761842

Ion Ratio Lower Upper

202 100

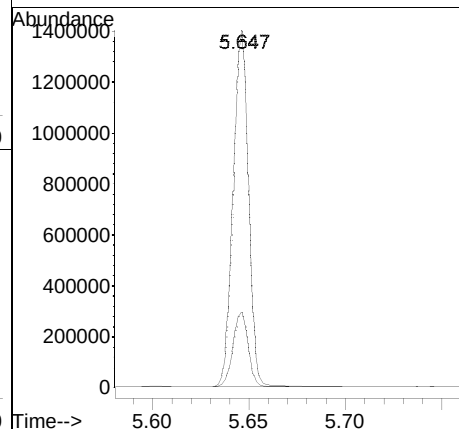
101 9.7 7.5 11.3

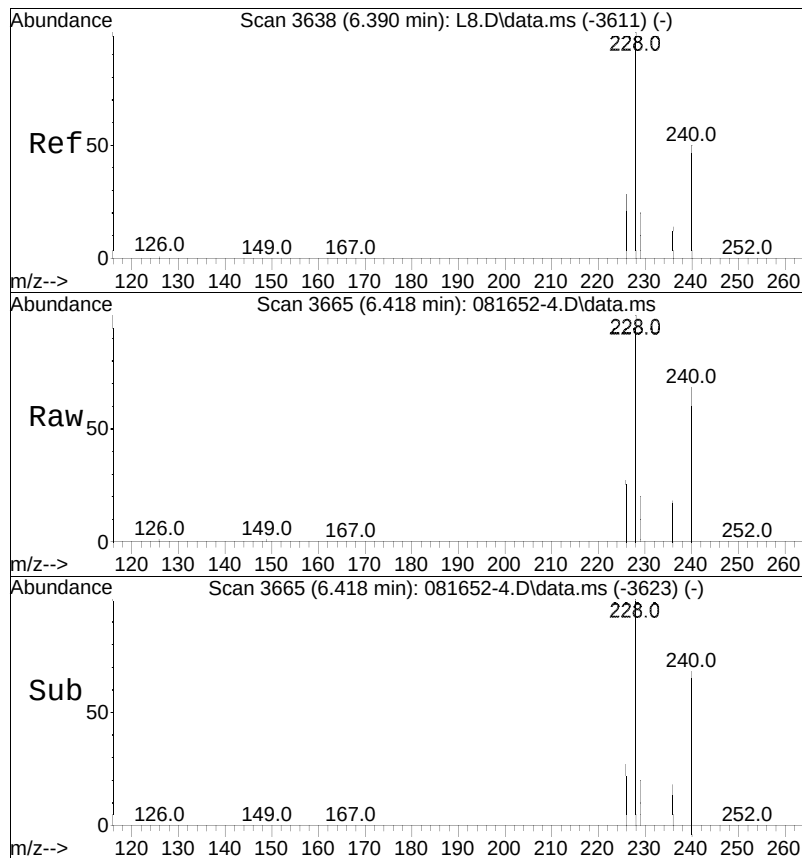




#30
 Pyrene
 Concen: 1478.12 ng/ml
 RT: 5.647 min Scan# 3173
 Delta R.T. -0.011 min
 Lab File: 081652-4.D
 Acq: 23 Jun 2025 02:57 pm

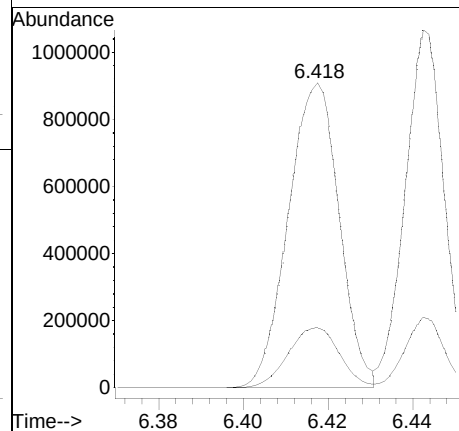
Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.0	17.0	25.4

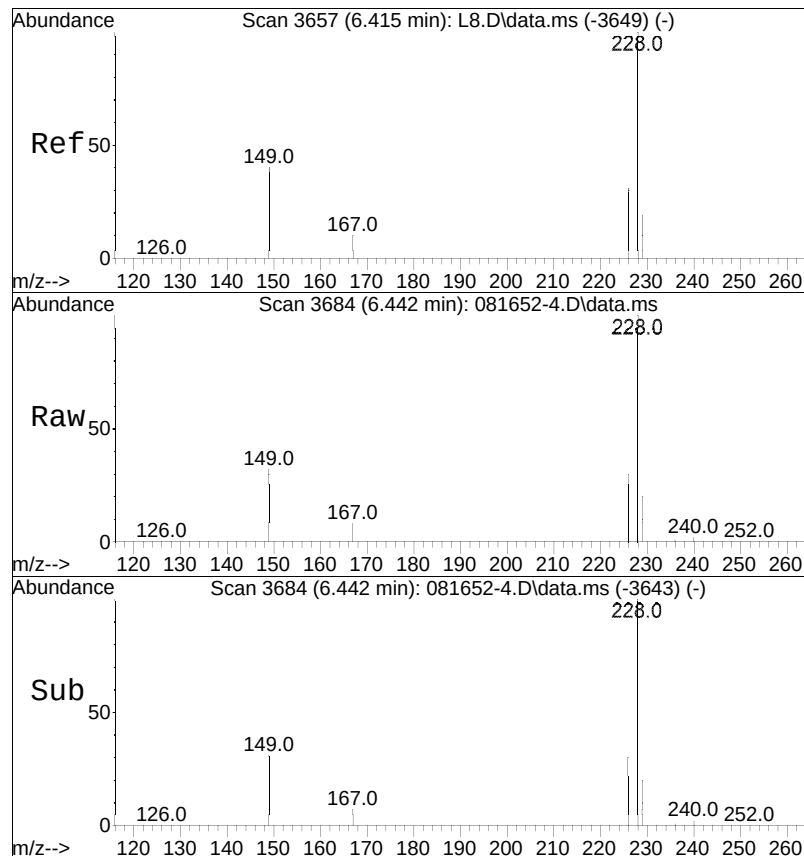




#34
 Benzo[a]anthracene
 Concen: 1587.05 ng/ml
 RT: 6.418 min Scan# 3665
 Delta R.T. -0.025 min
 Lab File: 081652-4.D
 Acq: 23 Jun 2025 02:57 pm

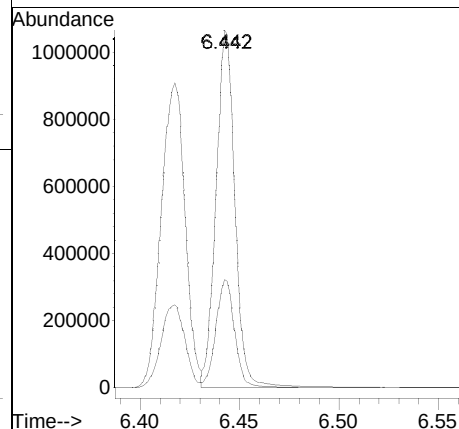
Tgt	Ion	Ratio	Lower	Upper
228	100			
229	19.8	15.8	23.6	

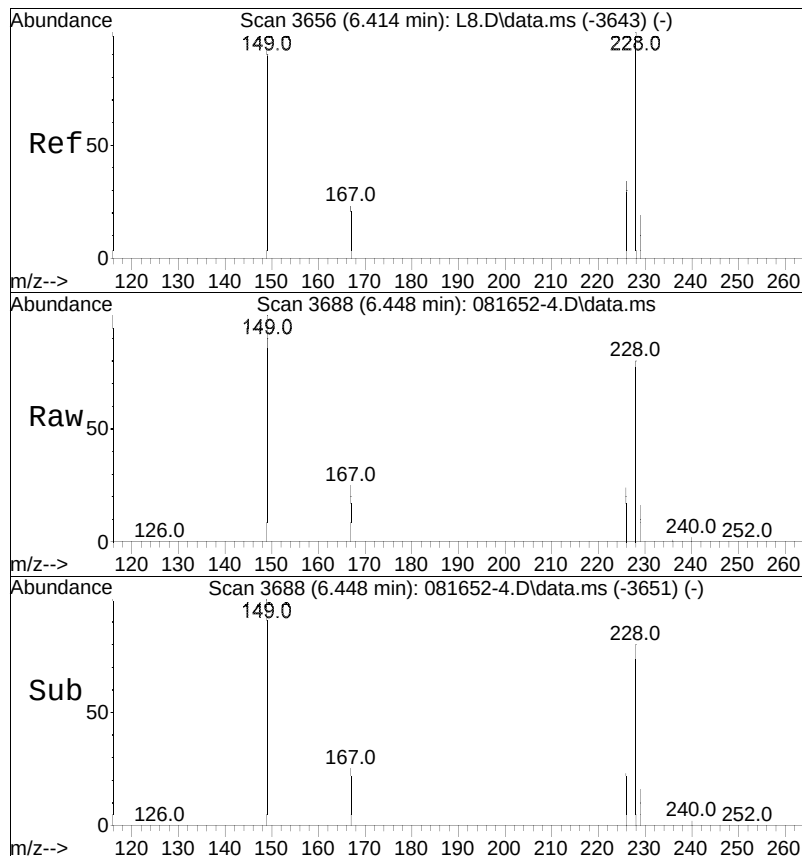




#36
 Chrysene
 Concen: 1562.11 ng/ml
 RT: 6.442 min Scan# 3684
 Delta R.T. -0.026 min
 Lab File: 081652-4.D
 Acq: 23 Jun 2025 02:57 pm

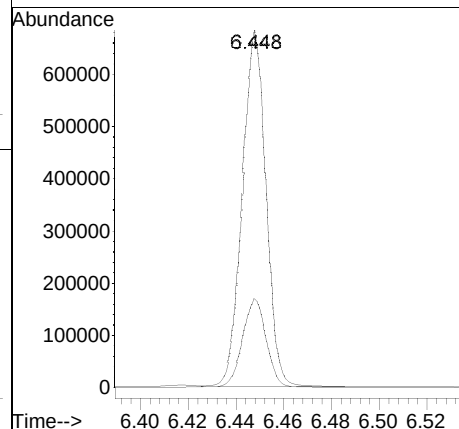
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.6	37.0

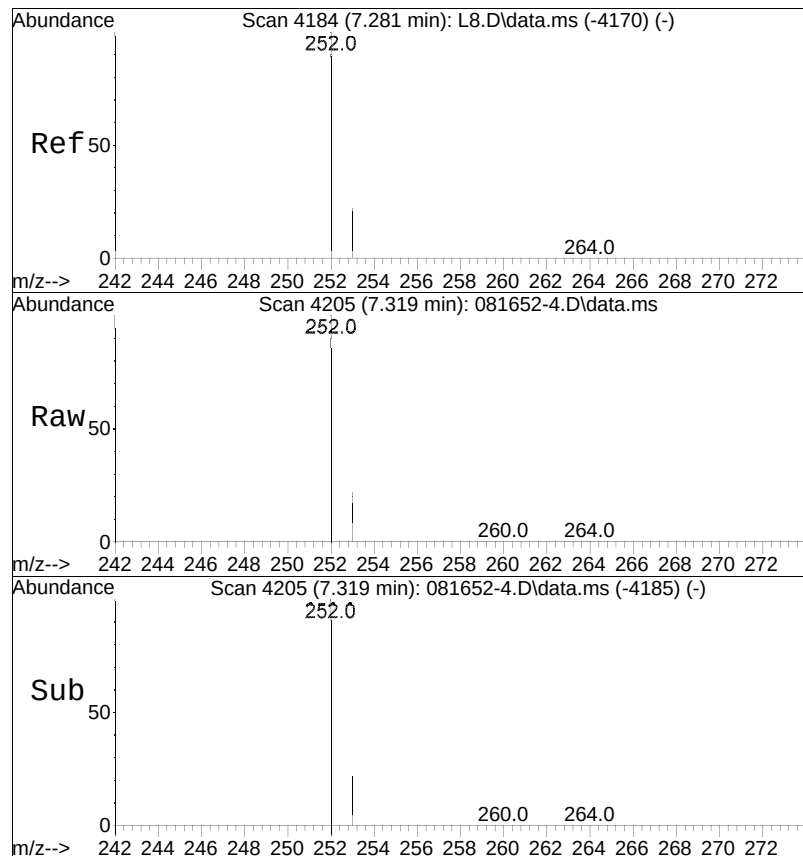




#37
 Bis(2-ethylhexyl)phthalate
 Concen: 1757.36 ng/ml
 RT: 6.448 min Scan# 3688
 Delta R.T. -0.031 min
 Lab File: 081652-4.D
 Acq: 23 Jun 2025 02:57 pm

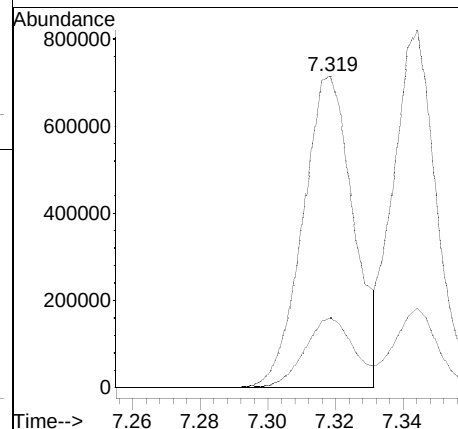
Tgt Ion	Ratio	Lower	Upper
149	100		
167	24.9	19.6	29.4

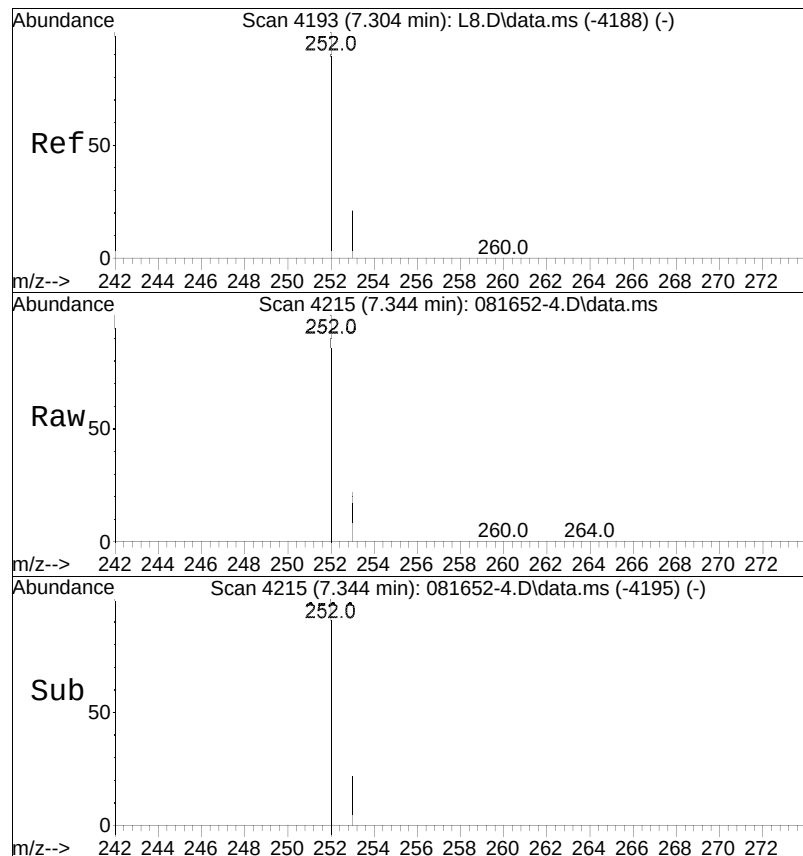




#39
 Benzo[b]fluoranthene
 Concen: 1737.89 ng/ml
 RT: 7.319 min Scan# 4205
 Delta R.T. -0.028 min
 Lab File: 081652-4.D
 Acq: 23 Jun 2025 02:57 pm

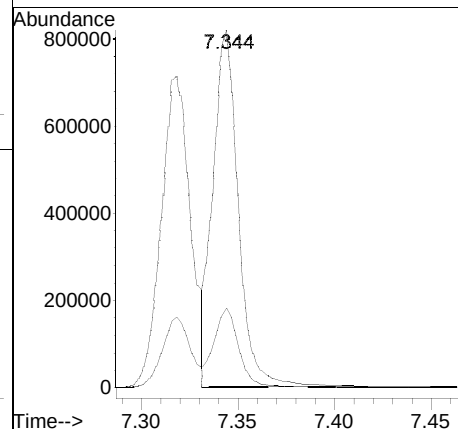
Tgt Ion:	252	Resp:	748116
Ion Ratio	Lower	Upper	
252	100		
253	21.8	18.1	27.1

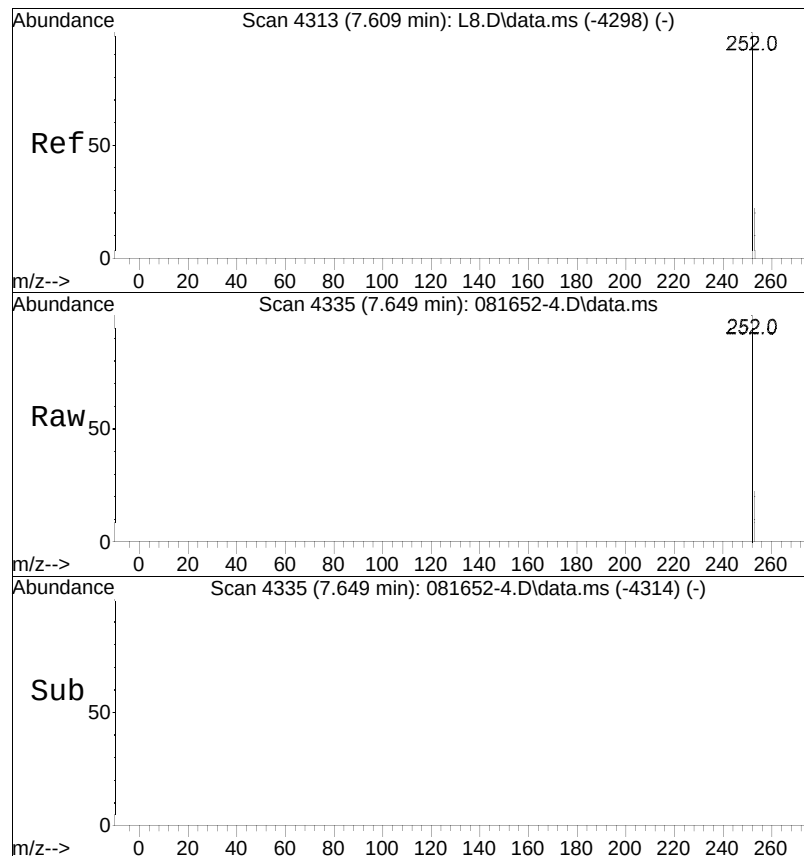




#40
 Benzo[k]fluoranthene
 Concen: 1635.85 ng/ml
 RT: 7.344 min Scan# 4215
 Delta R.T. -0.028 min
 Lab File: 081652-4.D
 Acq: 23 Jun 2025 02:57 pm

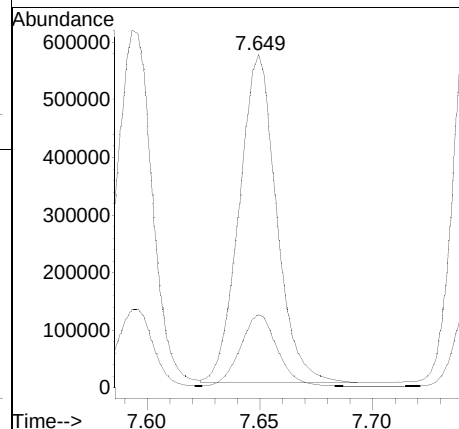
Tgt	Ion	Ratio	Lower	Upper
252	100			
253	22.1	17.0	25.4	

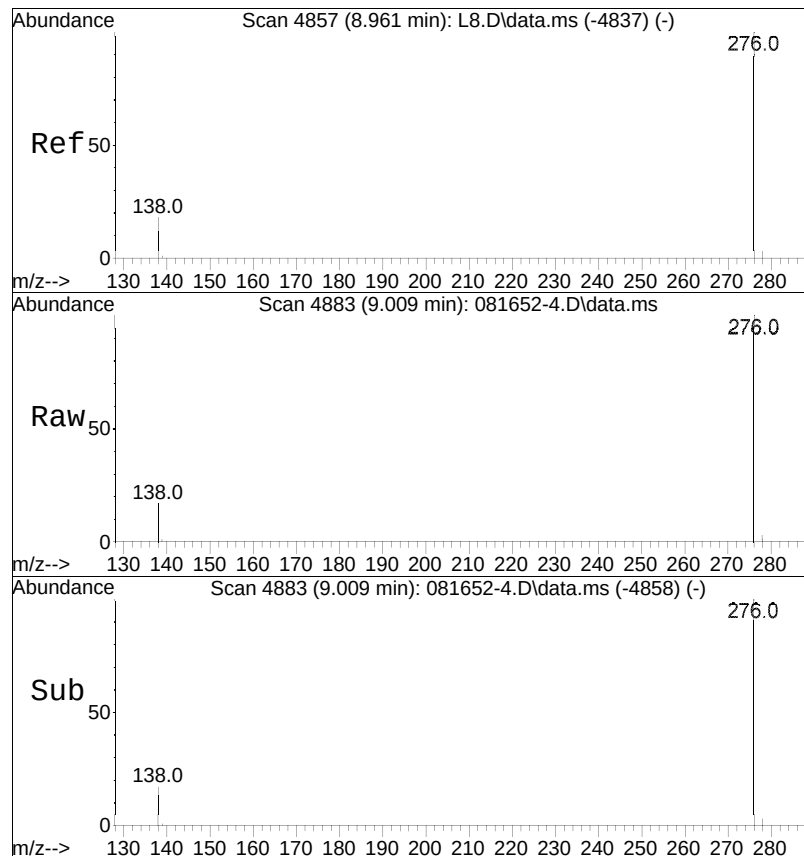




#41
 Benzo[a]pyrene
 Concen: 1674.61 ng/ml
 RT: 7.649 min Scan# 4335
 Delta R.T. -0.025 min
 Lab File: 081652-4.D
 Acq: 23 Jun 2025 02:57 pm

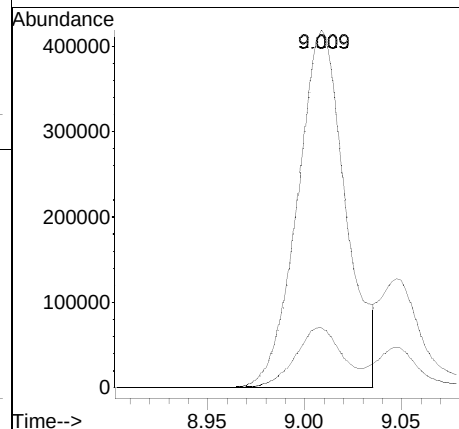
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.0	17.4	26.0

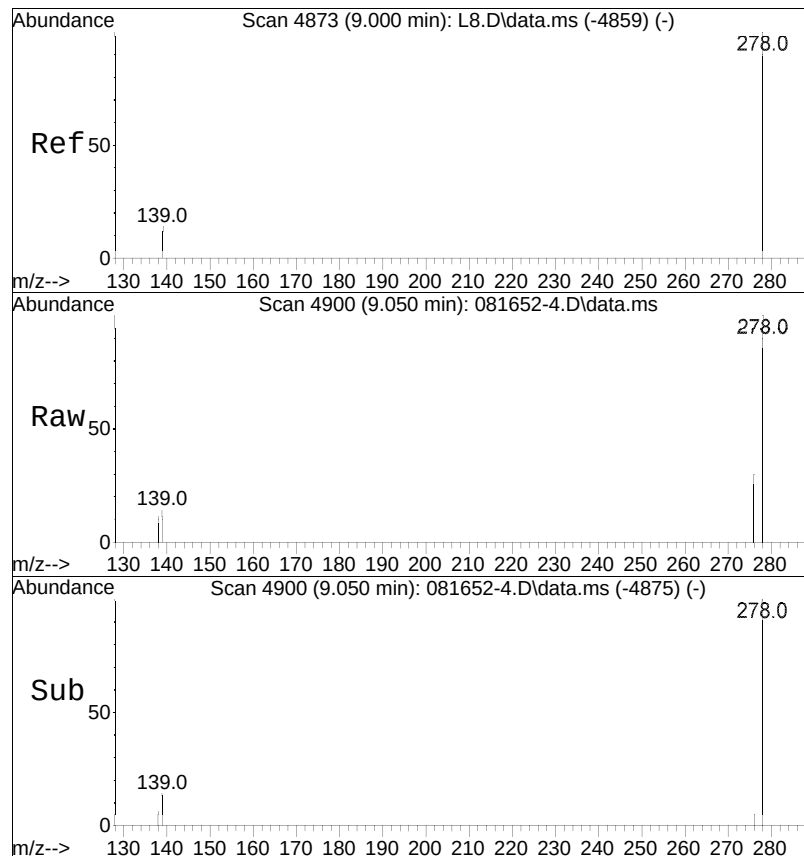




#42
 Indeno[1,2,3-cd]pyrene
 Concen: 1752.79 ng/ml
 RT: 9.009 min Scan# 4883
 Delta R.T. -0.019 min
 Lab File: 081652-4.D
 Acq: 23 Jun 2025 02:57 pm

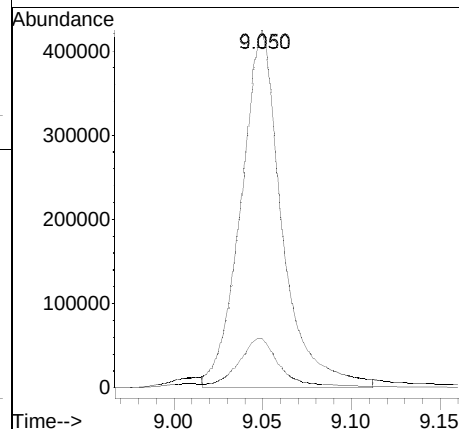
Tgt Ion	Ratio	Lower	Upper
276	100		
138	16.3	14.4	21.6

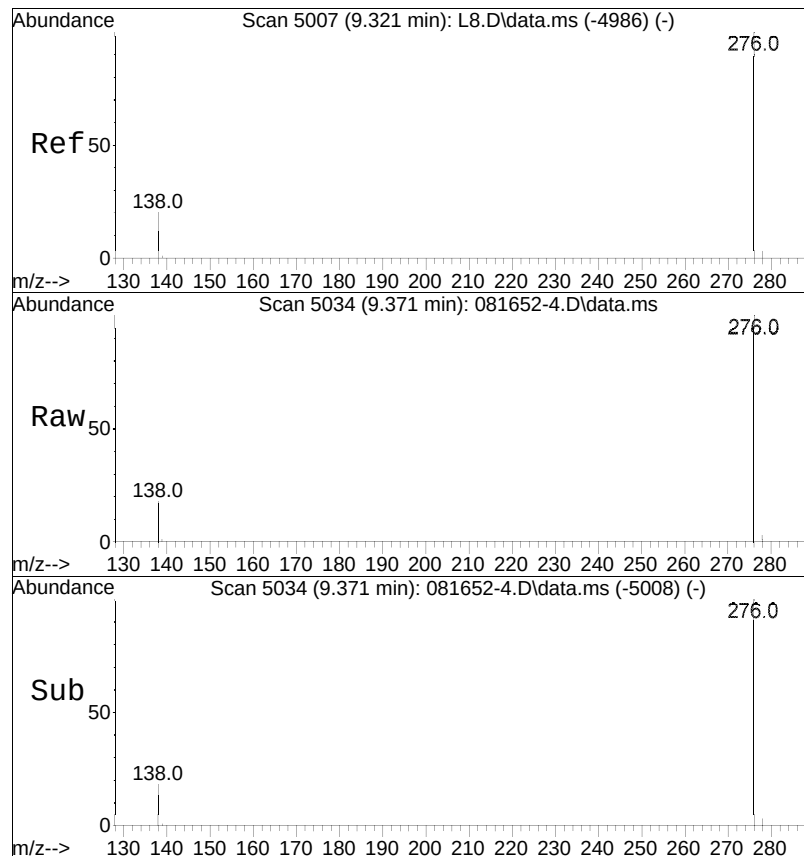




#43
 Dibenzo[a,h]anthracene
 Concen: 1739.46 ng/ml M6
 RT: 9.050 min Scan# 4900
 Delta R.T. -0.019 min
 Lab File: 081652-4.D
 Acq: 23 Jun 2025 02:57 pm

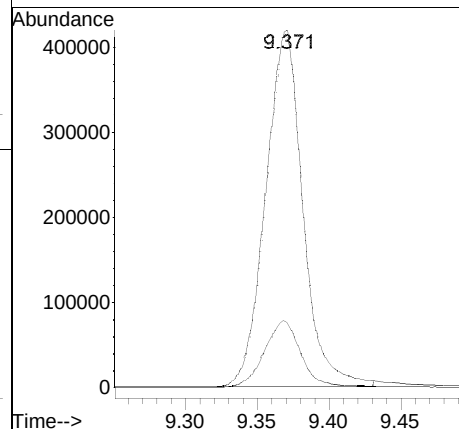
Tgt Ion	Ratio	Lower	Upper
278	100		
139	13.2	12.1	18.1





#44
 Benzo[g,h,i]perylene
 Concen: 1779.26 ng/ml
 RT: 9.371 min Scan# 5034
 Delta R.T. -0.017 min
 Lab File: 081652-4.D
 Acq: 23 Jun 2025 02:57 pm

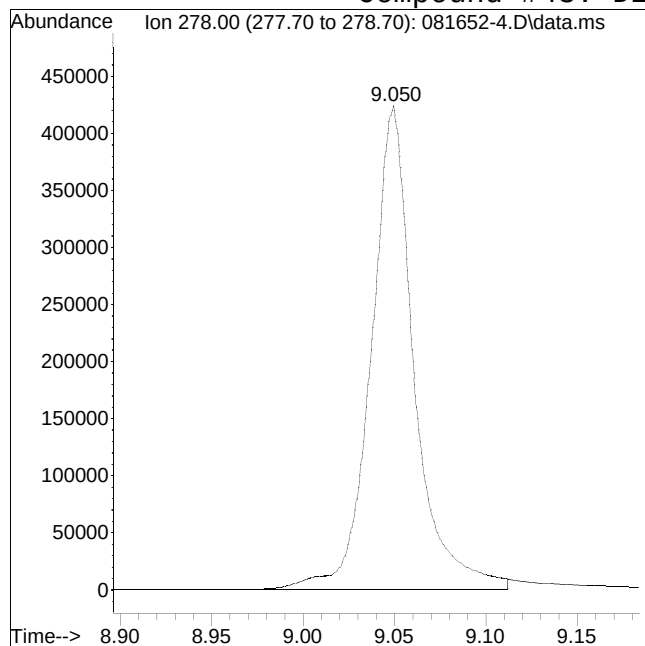
Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.5	16.0	24.0



Manual Integration Report

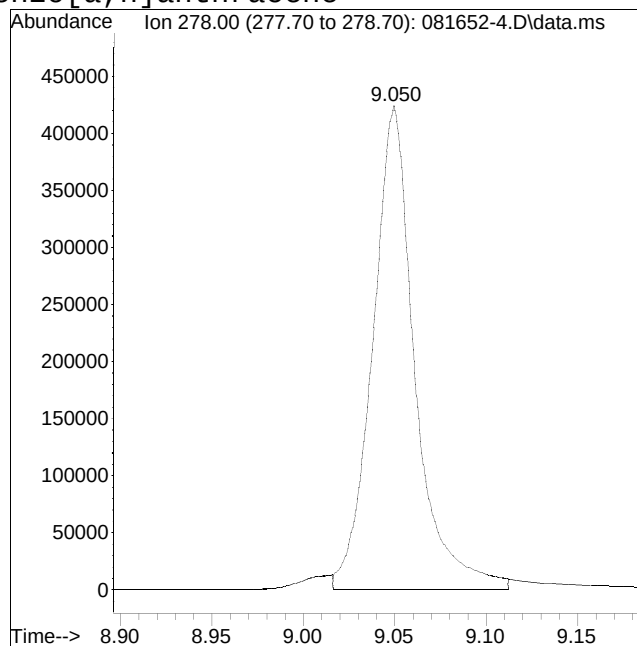
Data Path : I:\8270SIM\sv119\250623RVTQMethod : SIM-RVT_250618_sv119.M
Data File : 081652-4.D Operator : sv119:rp
Date Inj'd : 6/23/2025 2:57 pm Instrument : SV119
Sample : WG2081652-4,32,,jjw Quant Date : 6/23/2025 3:11 pm

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 696904

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Peak Response = 681931 M6

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250623RVT\
 Data File : 081652-5.D
 Acq On : 23 Jun 2025 03:14 pm
 Operator : sv119:rp
 Sample : WG2081652-5,32,,jjw
 Misc : WG2082224,WG2081652,ical22394
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 23 18:53:09 2025
 Quant Method : I:\8270sim\sv119\250623RVT\SIM-RVT_250618_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Jun 23 09:30:43 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\250623RVT\ccv0623a.D
 Sub List : DEFAULT - All compounds listed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	2.307	152	269748	4000.000	ng/ml	0.00
Standard Area 1 = 223163			Recovery	=	120.87%	
9) Naphthalene-d8	2.967	136	1051974	4000.000	ng/ml	0.00
Standard Area 1 = 839534			Recovery	=	125.30%	
18) Acenaphthene-d10	3.946	164	651617	4000.000	ng/ml	0.00
Standard Area 1 = 501334			Recovery	=	129.98%	
23) Phenanthrene-d10	4.795	188	1349563	4000.000	ng/ml	0.00
Standard Area 1 = 1091615			Recovery	=	123.63%	
33) Chrysene-d12	6.425	240	1318553	4000.000	ng/ml	-0.03
Standard Area 1 = 1163786			Recovery	=	113.30%	
38) Perylene-d12	7.720	264	1381328	4000.000	ng/ml	-0.02
Standard Area 1 = 1221164			Recovery	=	113.12%	
System Monitoring Compounds						
3) 2-Fluorophenol	1.729	112	83907	1107.516	ng/ml	0.01
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	55.38%	
4) Phenol-d6	2.121	99	82526	838.951	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	41.95%	
8) Nitrobenzene-d5	2.584	82	58309	718.566	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	71.86%	
14) 2-Fluorobiphenyl	3.563	172	156986	659.581	ng/ml	0.00
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	65.96%	
22) 2,4,6-Tribromophenol	4.394	330	60547	1852.248	ng/ml	0.00
Spiked Amount 2000.000	Range 15 - 110		Recovery	=	92.61%	
32) 4-Terphenyl-d14	5.743	244	237411	782.419	ng/ml	-0.01
Spiked Amount 1000.000	Range 30 - 130		Recovery	=	78.24%	
Target Compounds						Qvalue
2) N-Nitrosodimethylamine	1.294	74	50363	1128.636	ng/mL#	1
5) Bis(2-chloroethyl)ether	2.170	93	111474	1404.234	ng/ml	98
6) n-nitrosodi-n-propylamine	2.504	70	92122	1543.590	ng/ml	99
7) Hexachloroethane	2.565	117	35315	986.342	ng/ml	98
10) Naphthalene	2.977	128	331759	1203.655	ng/ml	99
11) Hexachlorobutadiene	3.047	225	53597	982.089	ng/ml	100
12) 2-Methylnaphthalene	3.358	142	226383	1238.643	ng/ml	100
13) 1-Methylnaphthalene	3.413	142	233298	1234.747	ng/ml	100
15) 2-Chloronaphthalene	3.629	162	265446	1295.047	ng/ml	98
16) 2,6-Dinitrotoluene	3.823	165	64260	1541.357	ng/ml	98
17) Acenaphthylene	3.864	152	462647	1357.859	ng/ml	100

Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250623RVT\
 Data File : 081652-5.D
 Acq On : 23 Jun 2025 03:14 pm
 Operator : sv119:rp
 Sample : WG2081652-5,32,,jjw
 Misc : WG2082224,WG2081652,ical22394
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 23 18:53:09 2025
 Quant Method : I:\8270sim\sv119\250623RVT\SIM-RVT_250618_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Jun 23 09:30:43 2025
 Response via : Initial Calibration

CCAL FILE(s) : 1 - I:\8270sim\sv119\250623RVT\ccv0623a.D
 Sub List : DEFAULT - All compounds listed

	Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
19)	Acenaphthene	3.963	153	282955	1307.312	ng/ml	96
20)	2,4-Dinitrotoluene	4.051	165	83261	1449.666	ng/ml	90
21)	Fluorene	4.257	166	350911	1355.218	ng/ml	99
24)	4,6-Dinitro-o-cresol	4.285	198	36575	1219.875	ng/ml#	77
25)	Hexachlorobenzene	4.576	284	128814	1542.138	ng/ml	94
26)	Pentachlorophenol	4.691	266	85010	2087.128	ng/ml	100
27)	Phenanthrene	4.809	178	545598	1360.393	ng/ml	99
28)	Anthracene	4.837	178	551999	1410.805	ng/ml	100
29)	Fluoranthene	5.509	202	676617	1387.048	ng/ml	100
30)	Pyrene	5.644	202	699673	1390.104	ng/ml	99
31)	Benzydine	0.000		0	N.D.	d	
34)	Benzo[a]anthracene	6.417	228	678682	1464.408	ng/ml	100
35)	3,3'-Dichlorobenzidine	0.000		0	N.D.	d	
36)	Chrysene	6.442	228	628175	1449.153	ng/ml	99
37)	Bis(2-ethylhexyl)phtha...	6.447	149	414935	1617.194	ng/ml	100
39)	Benzo[b]fluoranthene	7.318	252	658138	1580.892	ng/ml	98
40)	Benzo[k]fluoranthene	7.344	252	679959	1546.582	ng/ml	98
41)	Benzo[a]pyrene	7.649	252	587647	1551.078	ng/ml	100
42)	Indeno[1,2,3-cd]pyrene	9.011	276	640752	1615.018	ng/ml	97
43)	Dibenzo[a,h]anthracene	9.049	278	624971M6	1648.661	ng/ml	
44)	Benzo[g,h,i]perylene	9.370	276	686117	1687.460	ng/ml	97

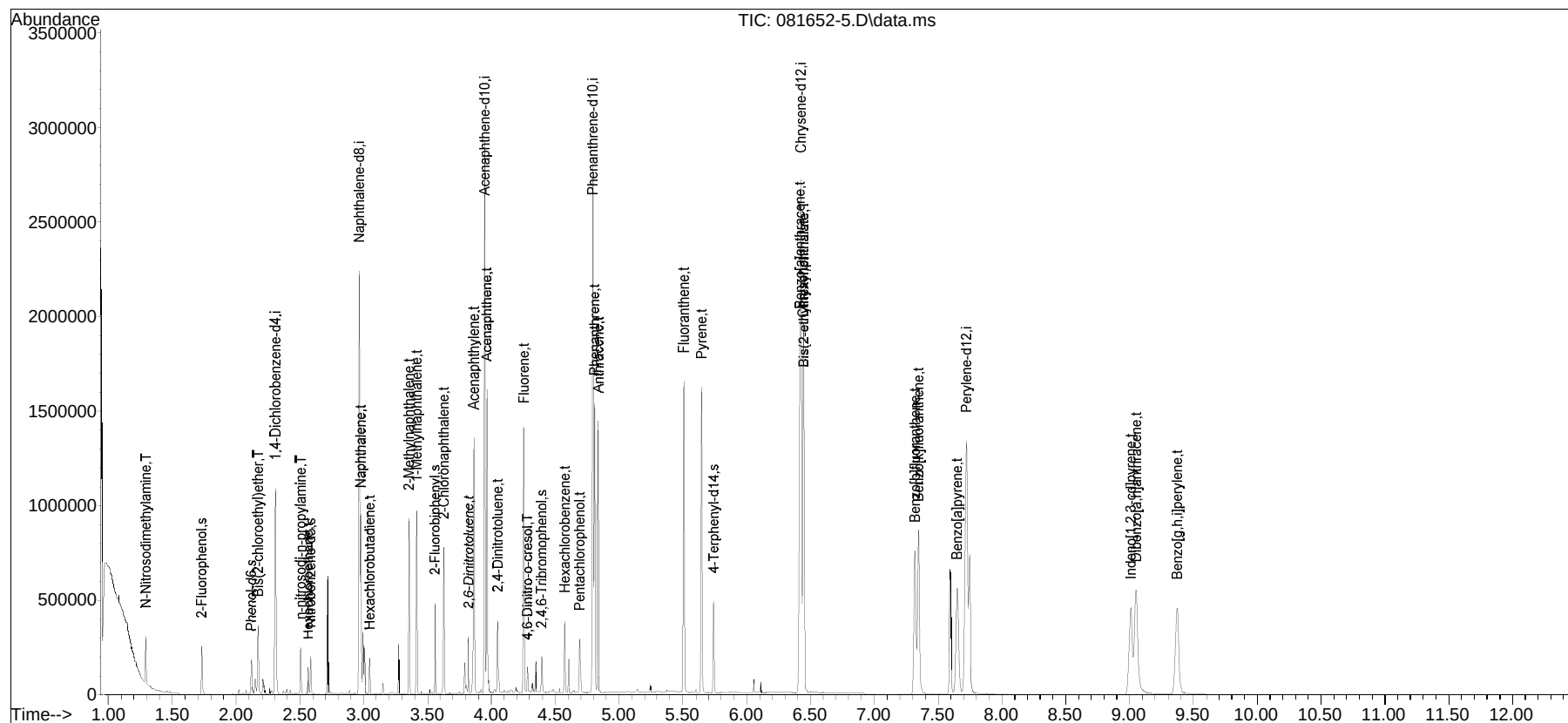
(#) = qualifier out of range (m) = manual integration (+) = signals summed

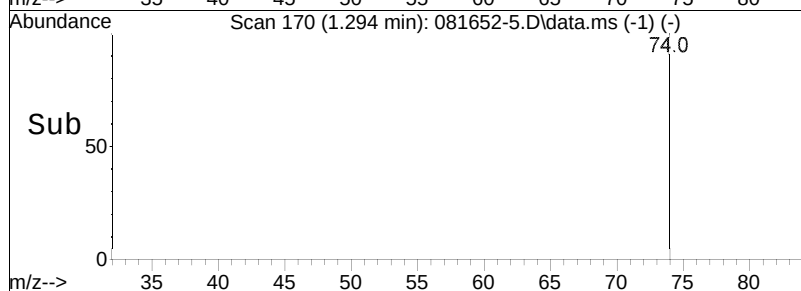
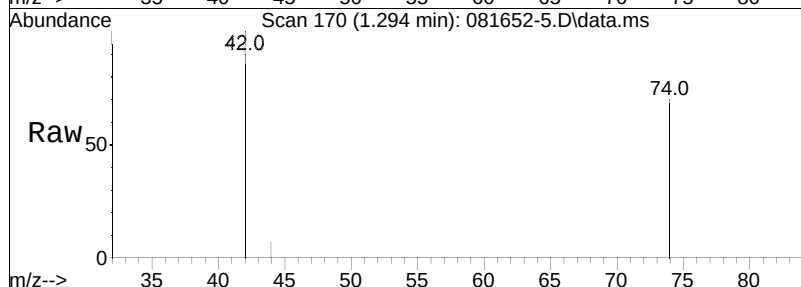
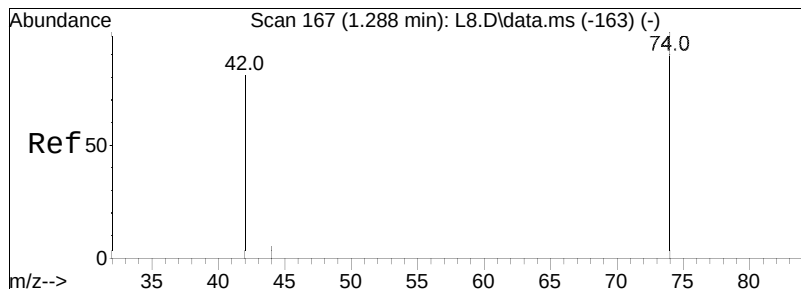
Quantitation Report (QT Reviewed)

Data Path : I:\8270SIM\sv119\250623RVT\
 Data File : 081652-5.D
 Acq On : 23 Jun 2025 03:14 pm
 Operator : sv119:rp
 Sample : WG2081652-5,32,,jjw
 Misc : WG2082224,WG2081652,ical22394
 ALS Vial : 20 Sample Multiplier: 1

Quant Time: Jun 23 18:53:09 2025
 Quant Method : I:\8270sim\sv119\250623RVT\SIM-RVT_250618_sv119.M
 Quant Title : Semivolatiles by GC/MS by modified 8270
 QLast Update : Mon Jun 23 09:30:43 2025
 Response via : Initial Calibration

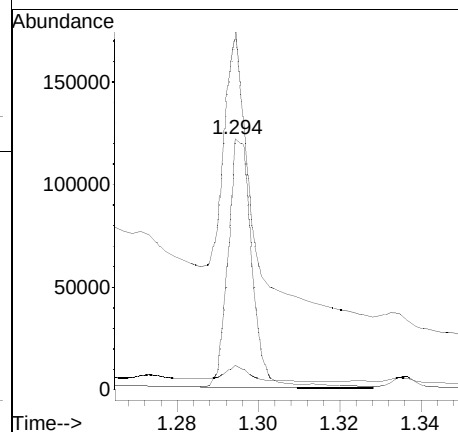
Sub List : DEFAULT - All compounds listed\ccv0623a.D•

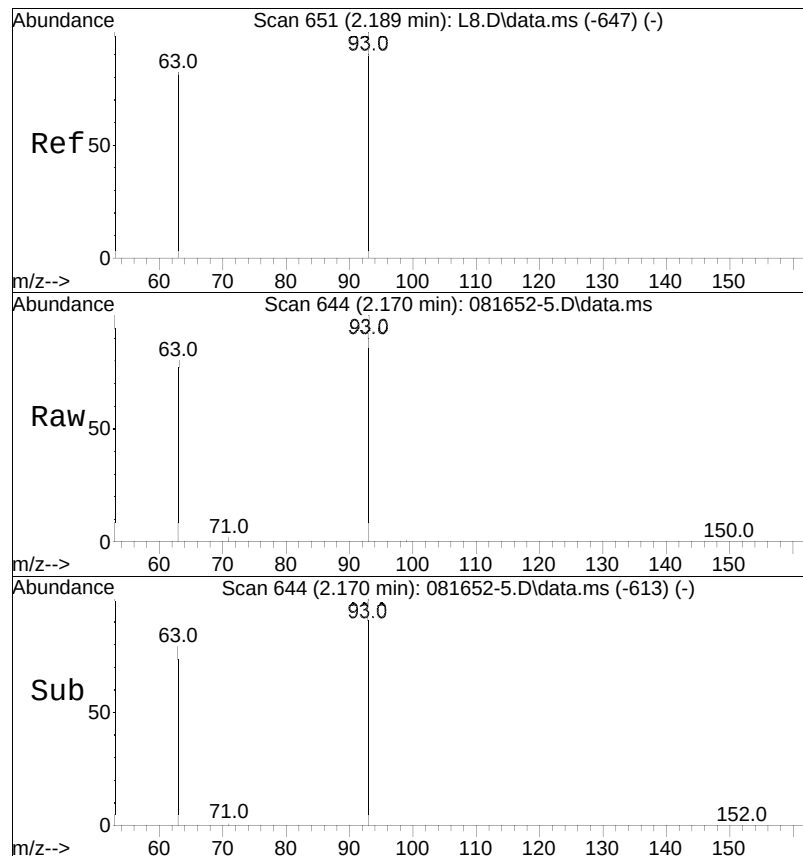




#2
 N-Nitrosodimethylamine
 Concen: 1128.64 ng/mL
 RT: 1.294 min Scan# 170
 Delta R.T. 0.012 min
 Lab File: 081652-5.D
 Acq: 23 Jun 2025 03:14 pm

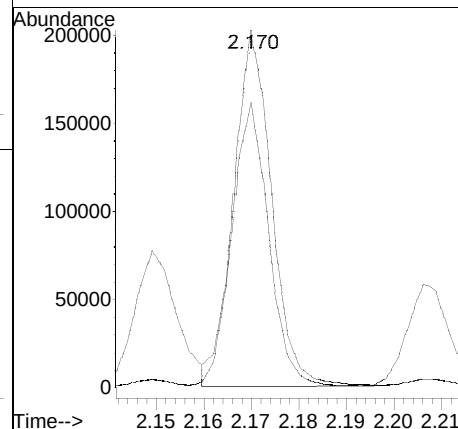
Tgt Ion: 74 Resp: 50363
 Ion Ratio Lower Upper
 74 100
 42 139.0 293.4 440.0#
 44 7.3 4.3 6.5#

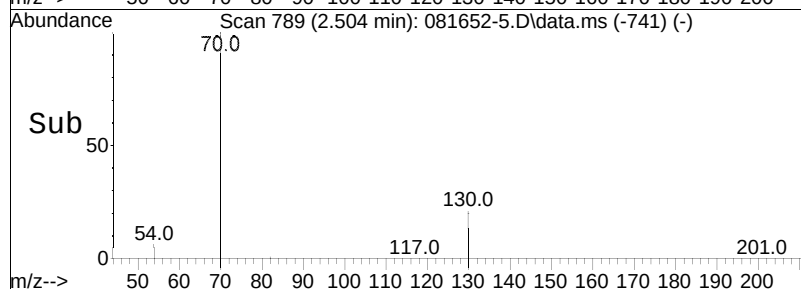
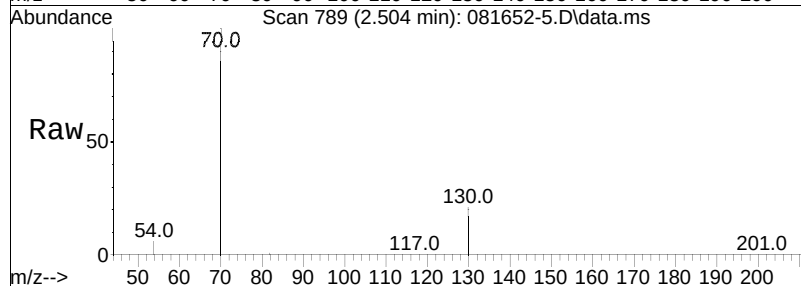
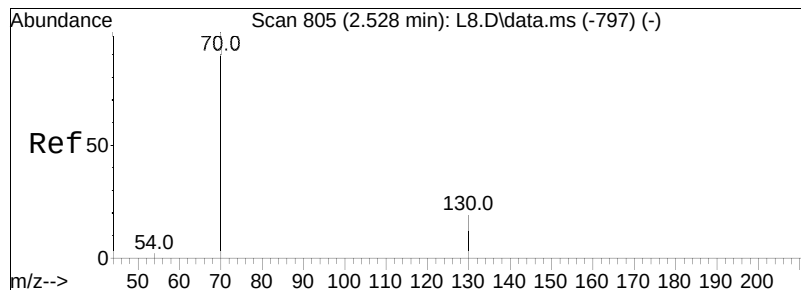




#5
 Bis(2-chloroethyl)ether
 Concen: 1404.23 ng/ml
 RT: 2.170 min Scan# 644
 Delta R.T. 0.001 min
 Lab File: 081652-5.D
 Acq: 23 Jun 2025 03:14 pm

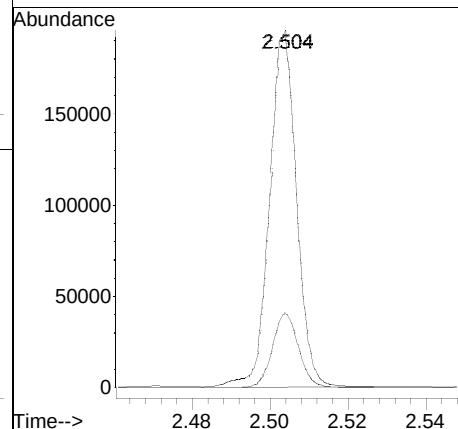
Tgt Ion	Ratio	Lower	Upper
93	100		
63	77.3	62.9	94.3

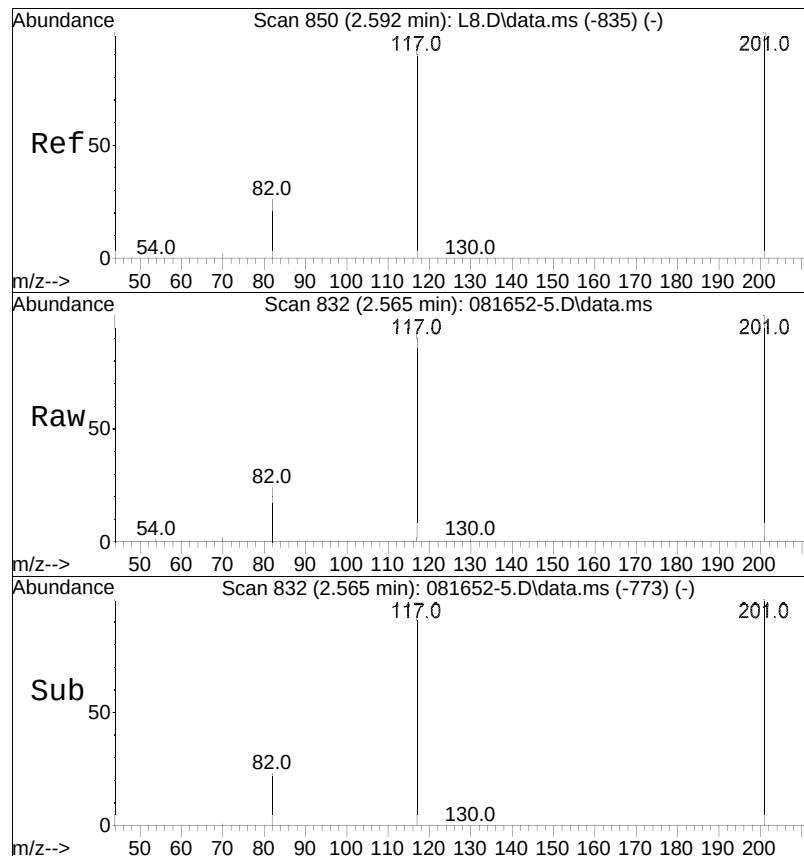




#6
 n-nitrosodi-n-propylamine
 Concen: 1543.59 ng/ml
 RT: 2.504 min Scan# 789
 Delta R.T. 0.002 min
 Lab File: 081652-5.D
 Acq: 23 Jun 2025 03:14 pm

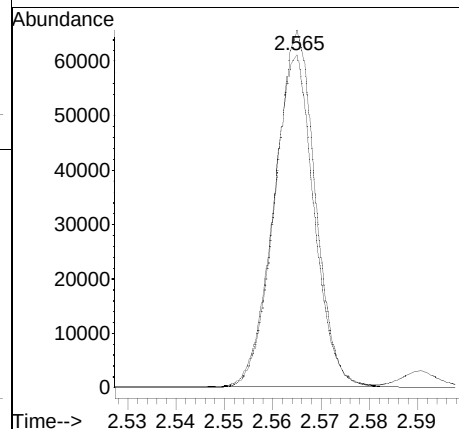
Tgt Ion	Ratio	Lower	Upper
70	100		
130	20.2	16.4	24.6

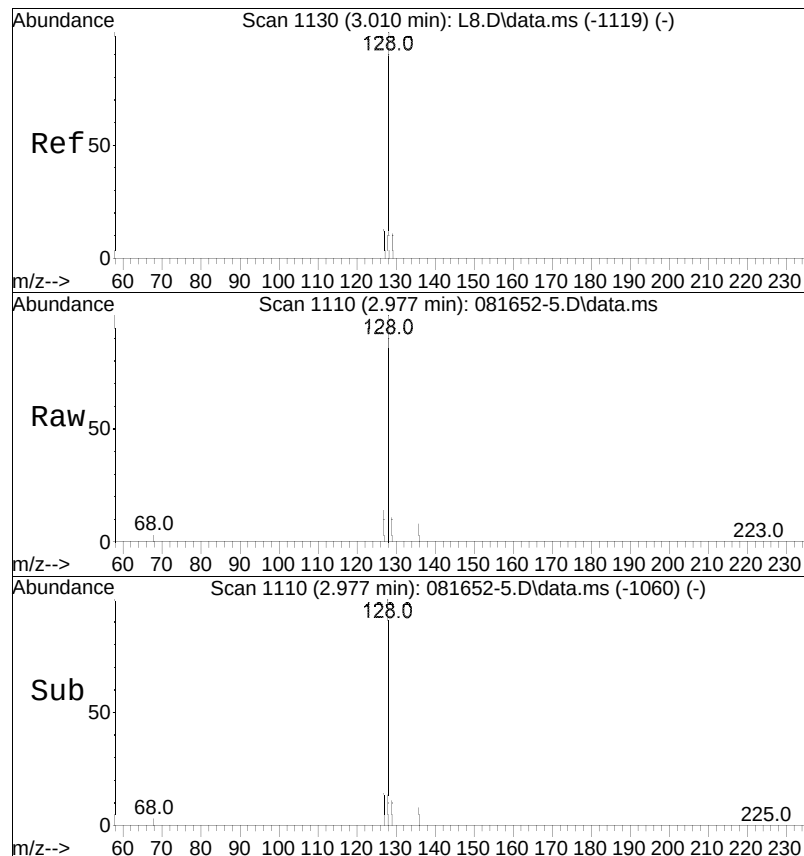




#7
 Hexachloroethane
 Concen: 986.34 ng/ml
 RT: 2.565 min Scan# 832
 Delta R.T. 0.002 min
 Lab File: 081652-5.D
 Acq: 23 Jun 2025 03:14 pm

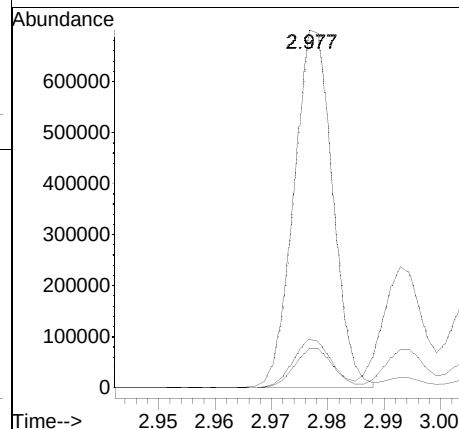
Tgt Ion	Ratio	Lower	Upper
117	100		
201	106.1	82.9	124.3

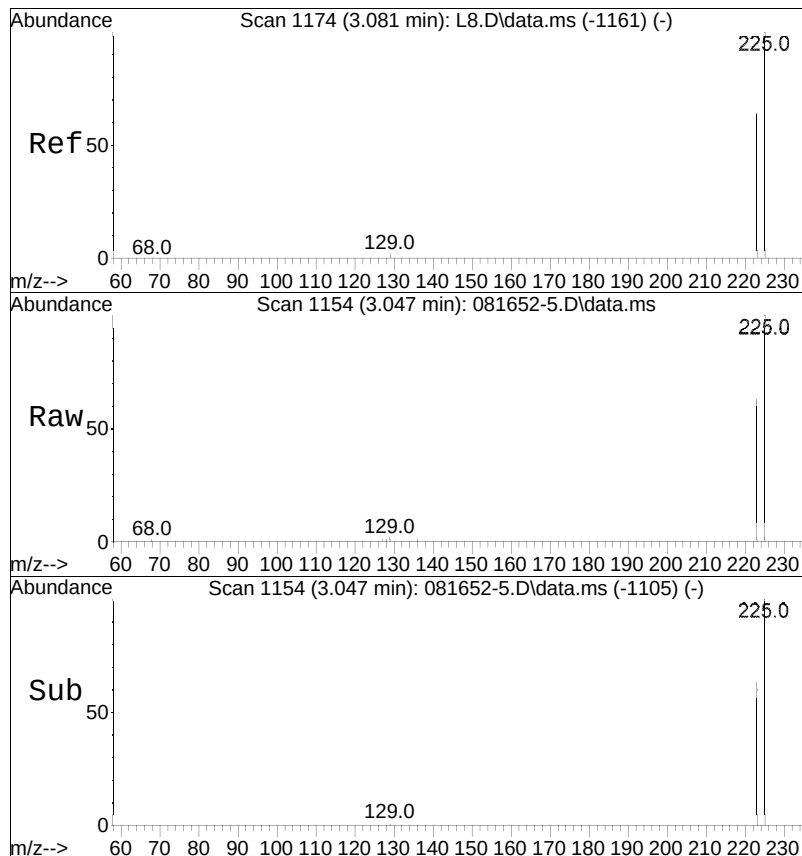




#10
 Naphthalene
 Concen: 1203.66 ng/ml
 RT: 2.977 min Scan# 1110
 Delta R.T. 0.001 min
 Lab File: 081652-5.D
 Acq: 23 Jun 2025 03:14 pm

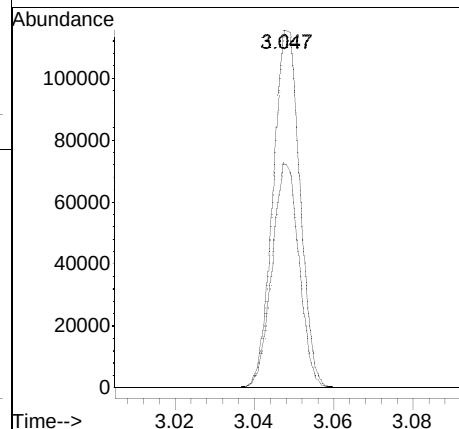
Tgt Ion	Ratio	Resp	Lower	Upper
128	100	331759		
129	11.2		8.8	13.2
127	13.6		10.6	15.8

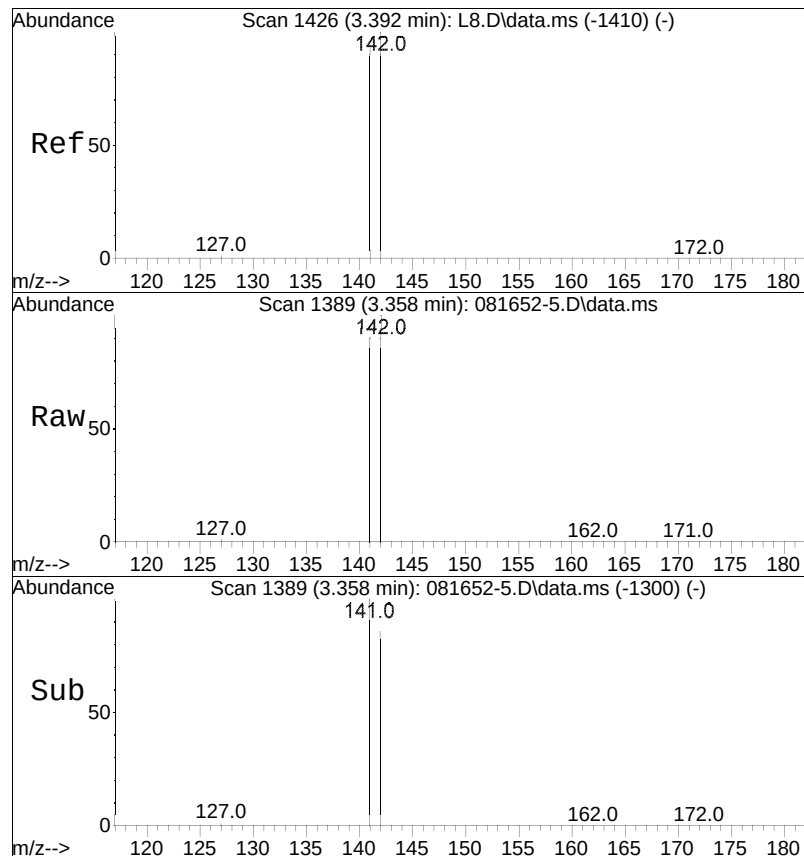




#11
 Hexachlorobutadiene
 Concen: 982.09 ng/ml
 RT: 3.047 min Scan# 1154
 Delta R.T. -0.001 min
 Lab File: 081652-5.D
 Acq: 23 Jun 2025 03:14 pm

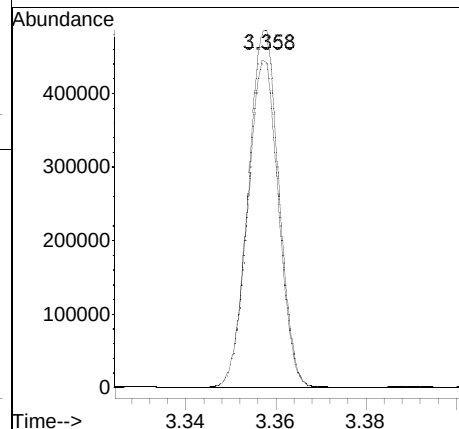
Tgt Ion	Ratio	Lower	Upper
225	100		
223	62.7	50.2	75.4

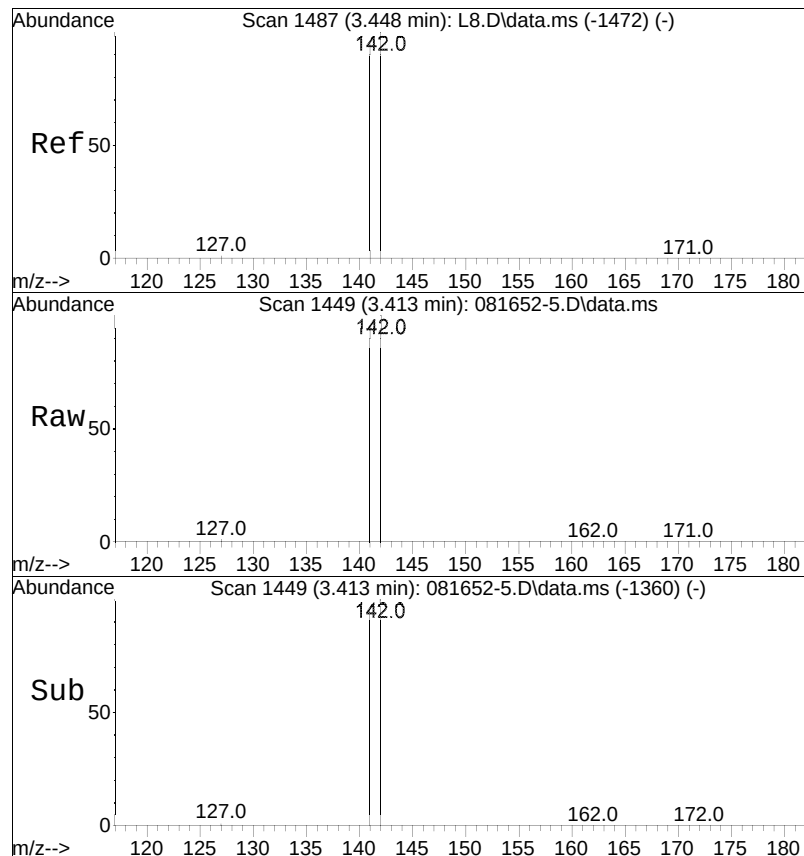




#12
 2-Methylnaphthalene
 Concen: 1238.64 ng/ml
 RT: 3.358 min Scan# 1389
 Delta R.T. 0.001 min
 Lab File: 081652-5.D
 Acq: 23 Jun 2025 03:14 pm

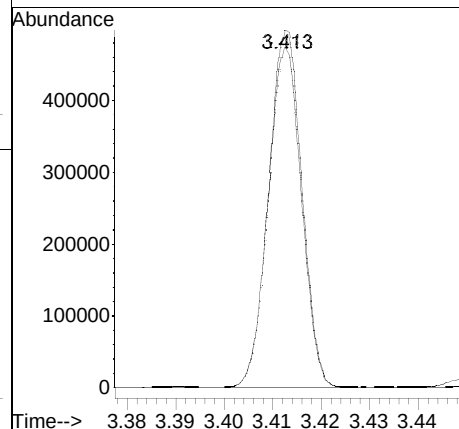
Tgt Ion	Ratio	Lower	Upper
142	100		
141	91.8	73.6	110.4

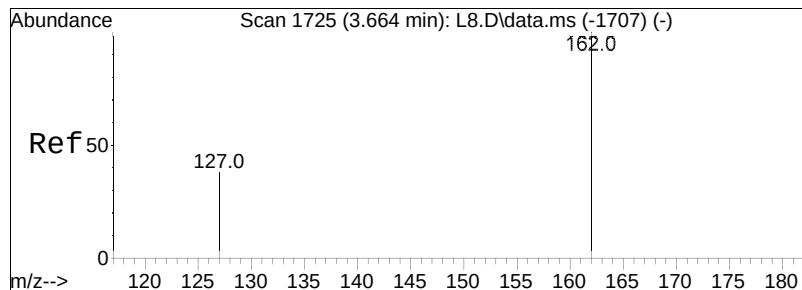




#13
 1-Methylnaphthalene
 Concen: 1234.75 ng/ml
 RT: 3.413 min Scan# 1449
 Delta R.T. 0.001 min
 Lab File: 081652-5.D
 Acq: 23 Jun 2025 03:14 pm

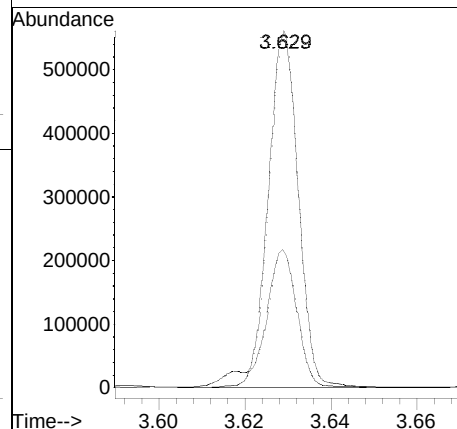
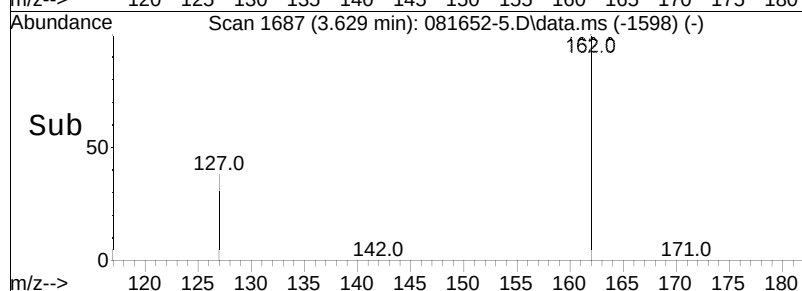
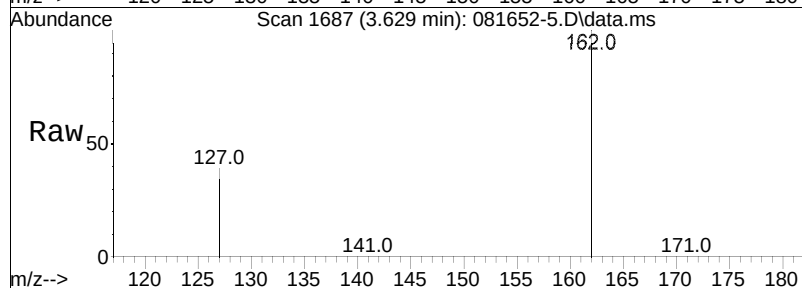
Tgt Ion	Ratio	Lower	Upper
142	100		
141	95.1	76.0	114.0

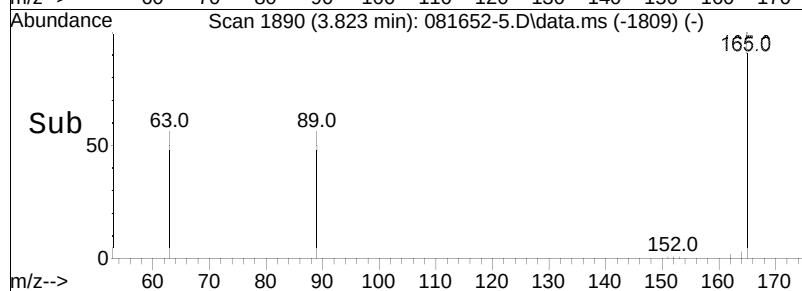
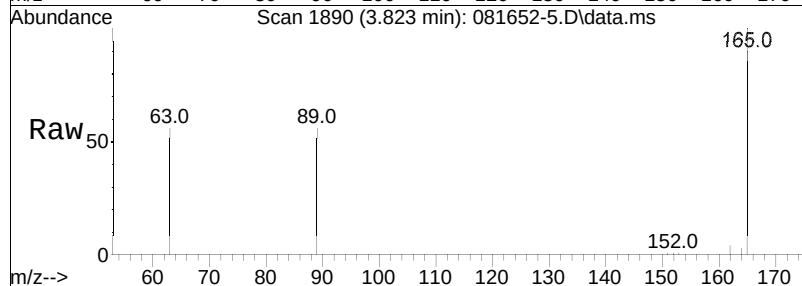
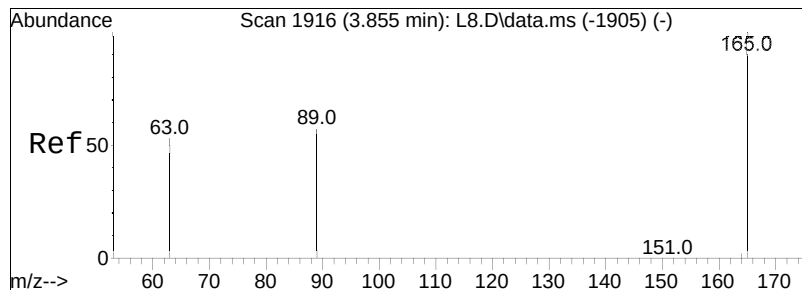




#15
 2-Chloronaphthalene
 Concen: 1295.05 ng/ml
 RT: 3.629 min Scan# 1687
 Delta R.T. 0.001 min
 Lab File: 081652-5.D
 Acq: 23 Jun 2025 03:14 pm

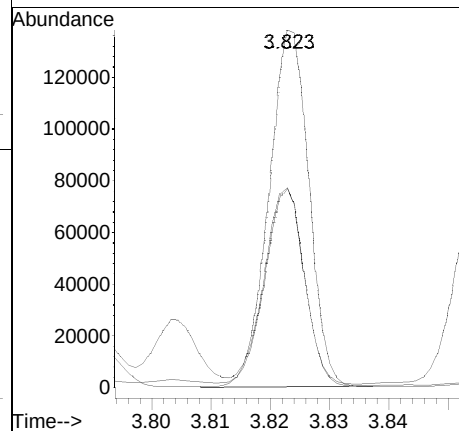
Tgt Ion	Ratio	Lower	Upper
162	100		
127	38.6	29.8	44.8

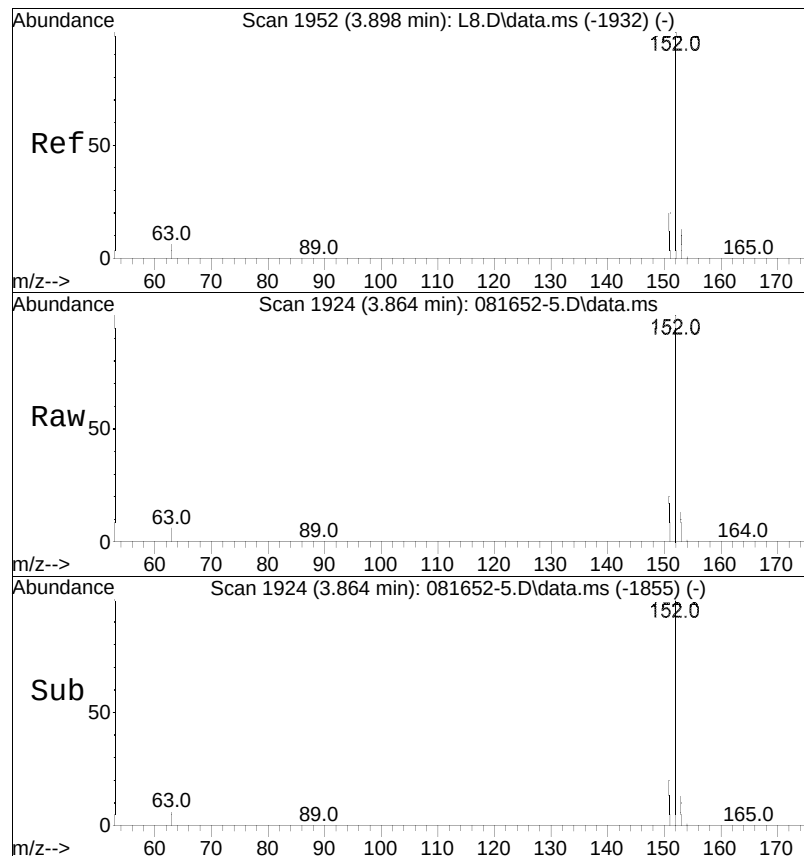




#16
 2,6-Dinitrotoluene
 Concen: 1541.36 ng/ml
 RT: 3.823 min Scan# 1890
 Delta R.T. 0.003 min
 Lab File: 081652-5.D
 Acq: 23 Jun 2025 03:14 pm

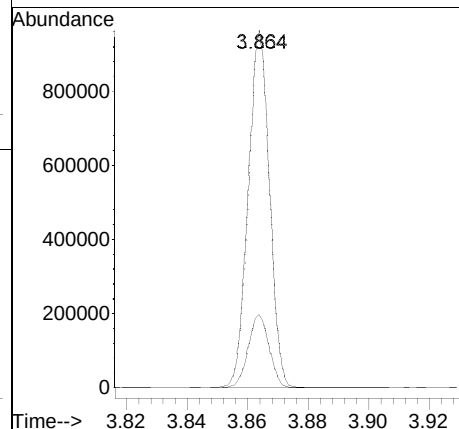
Tgt	Ion:165	Resp:	64260
Ion	Ratio	Lower	Upper
165	100		
89	55.0	45.6	68.4
63	55.5	45.4	68.2

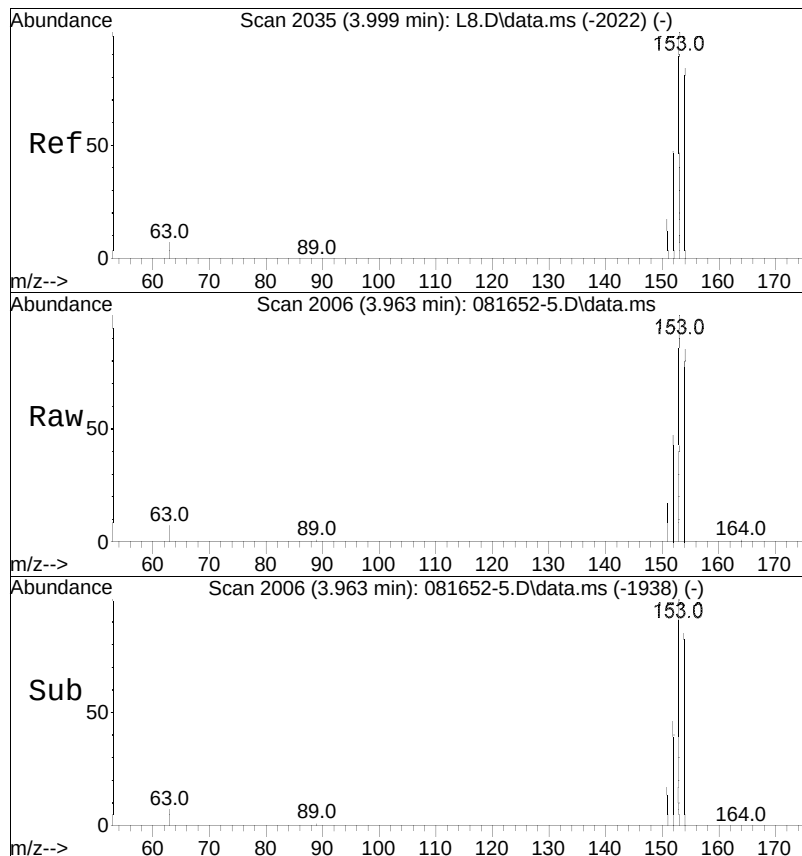




#17
 Acenaphthylene
 Concen: 1357.86 ng/ml
 RT: 3.864 min Scan# 1924
 Delta R.T. 0.002 min
 Lab File: 081652-5.D
 Acq: 23 Jun 2025 03:14 pm

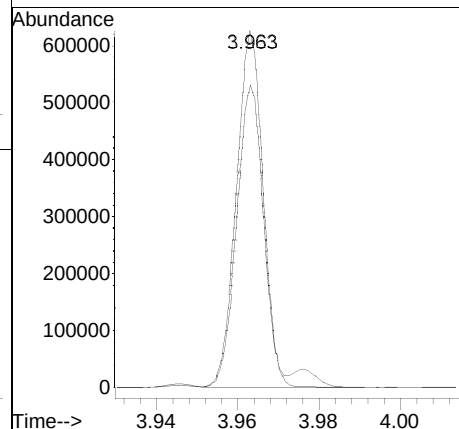
Tgt Ion	Ratio	Lower	Upper
152	100		
151	20.2	16.2	24.2

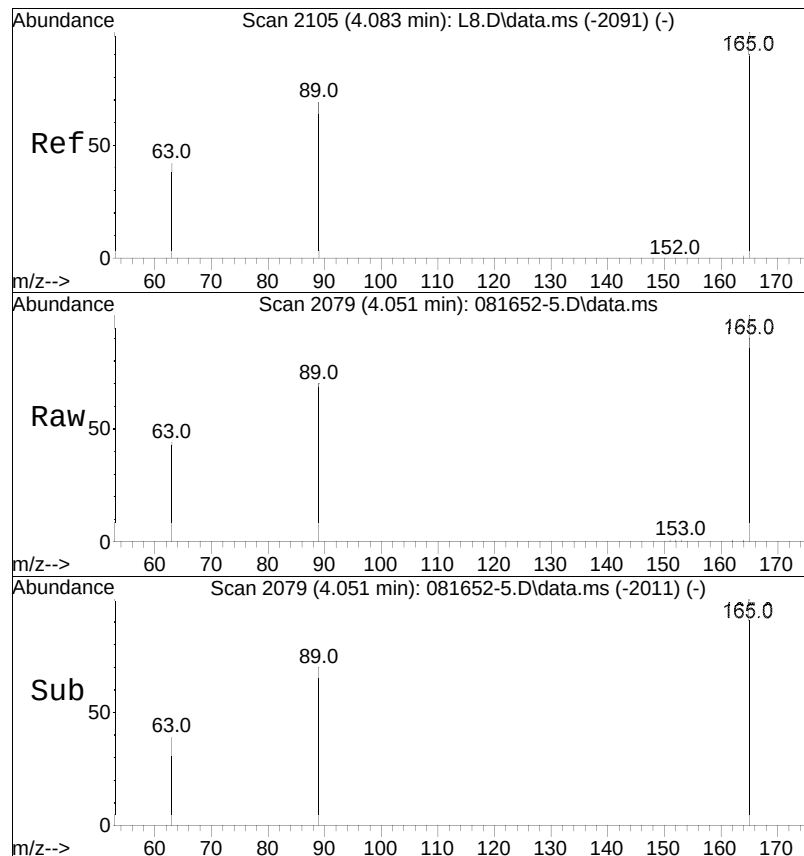




#19
 Acenaphthene
 Concen: 1307.31 ng/ml
 RT: 3.963 min Scan# 2006
 Delta R.T. 0.002 min
 Lab File: 081652-5.D
 Acq: 23 Jun 2025 03:14 pm

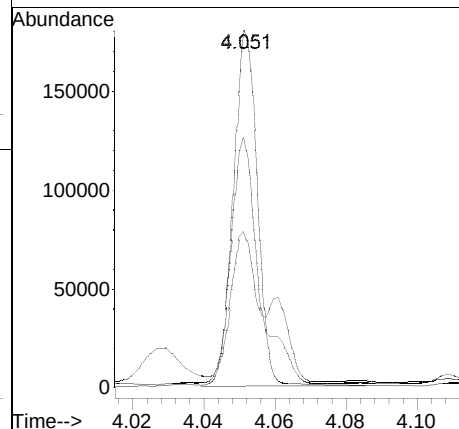
Tgt Ion	Ratio	Lower	Upper
153	100		
154	86.0	72.0	108.0

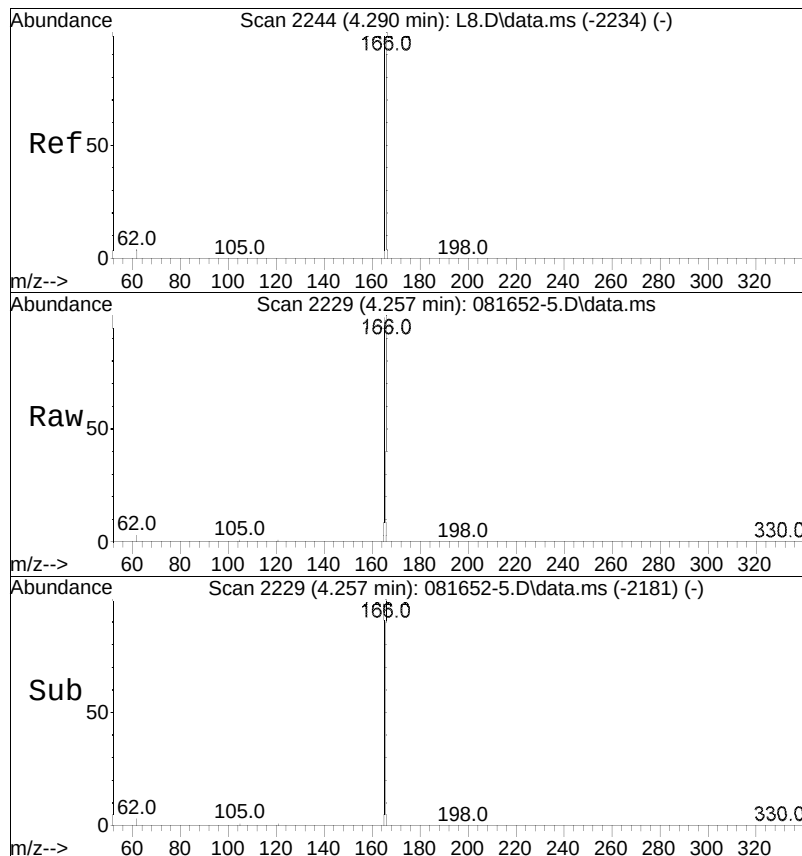




#20
 2,4-Dinitrotoluene
 Concen: 1449.67 ng/ml
 RT: 4.051 min Scan# 2079
 Delta R.T. 0.002 min
 Lab File: 081652-5.D
 Acq: 23 Jun 2025 03:14 pm

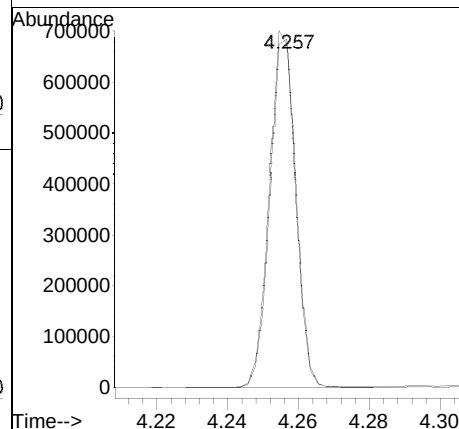
Tgt Ion:	165	Resp:	83261
Ion Ratio	Lower	Upper	
165	100		
89	81.6	56.6	85.0
63	46.5	35.0	52.6

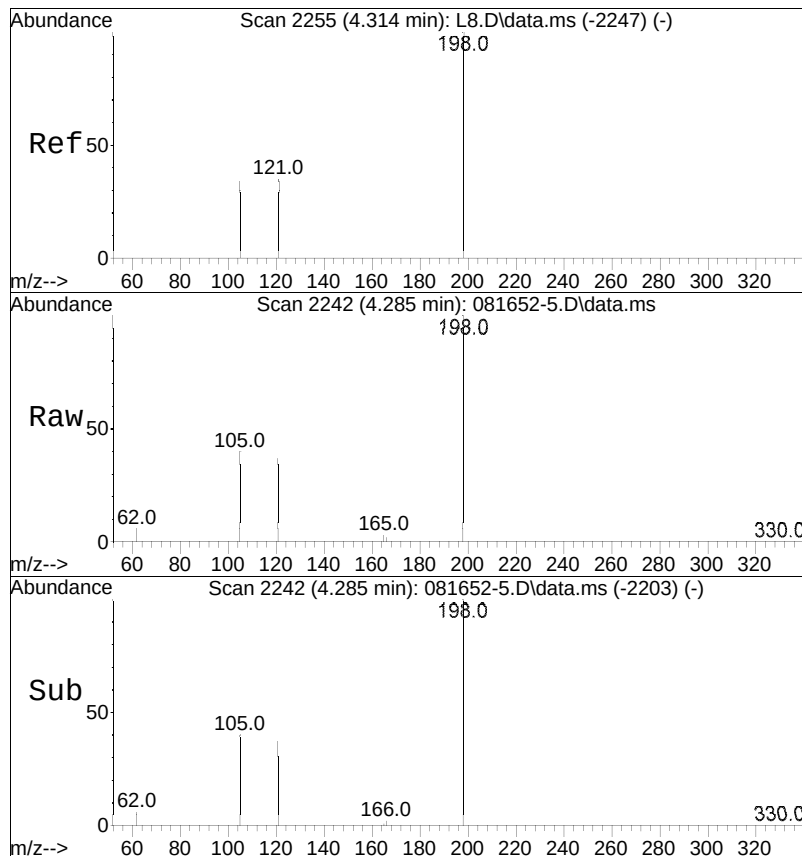




#21
 Fluorene
 Concen: 1355.22 ng/ml
 RT: 4.257 min Scan# 2229
 Delta R.T. 0.002 min
 Lab File: 081652-5.D
 Acq: 23 Jun 2025 03:14 pm

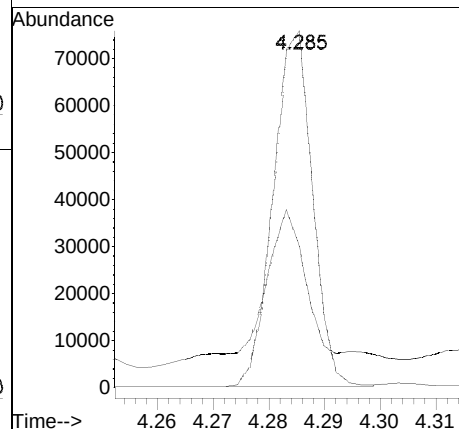
Tgt Ion	Ratio	Lower	Upper
166	100		
165	101.1	81.5	122.3

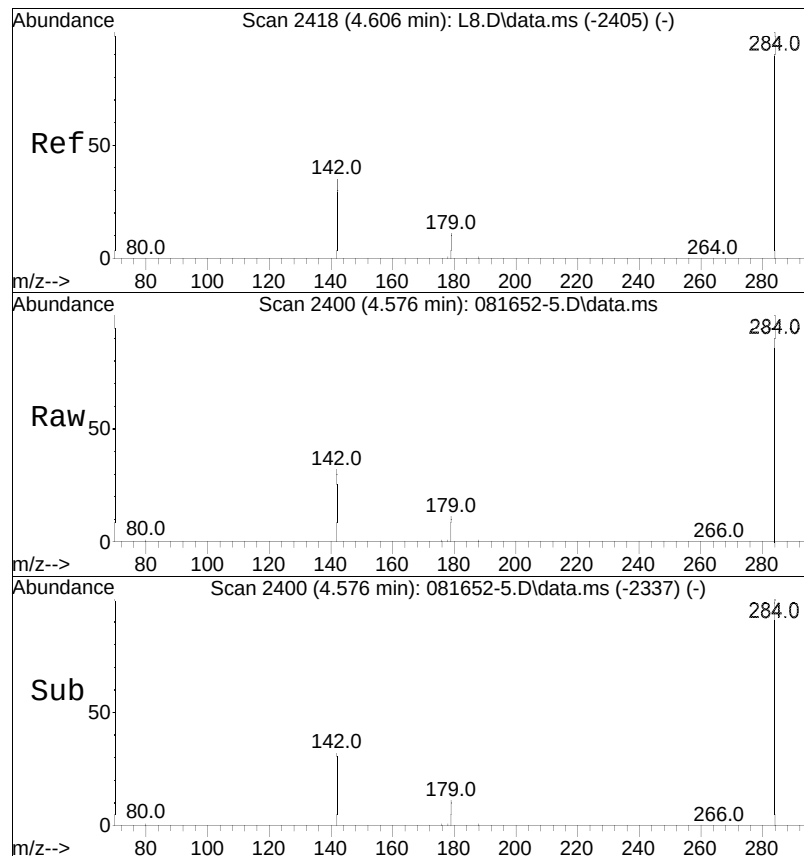




#24
 4,6-Dinitro-o-cresol
 Concen: 1219.88 ng/ml
 RT: 4.285 min Scan# 2242
 Delta R.T. 0.004 min
 Lab File: 081652-5.D
 Acq: 23 Jun 2025 03:14 pm

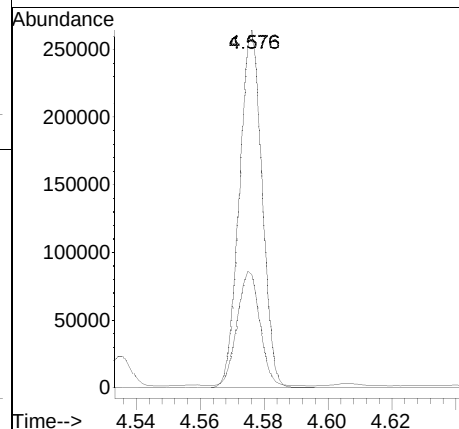
Tgt Ion	Ratio	Lower	Upper
198	100		
105	54.1	32.1	48.1

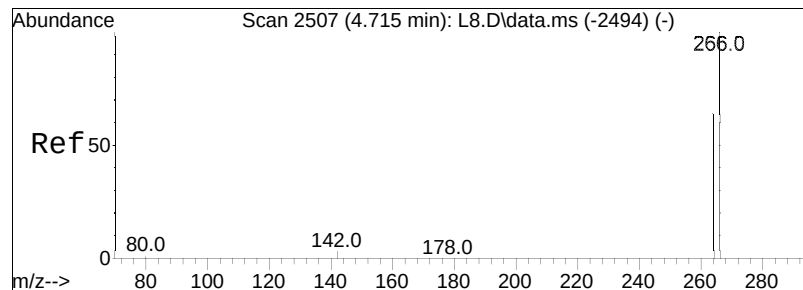




#25
 Hexachlorobenzene
 Concen: 1542.14 ng/ml
 RT: 4.576 min Scan# 2400
 Delta R.T. 0.002 min
 Lab File: 081652-5.D
 Acq: 23 Jun 2025 03:14 pm

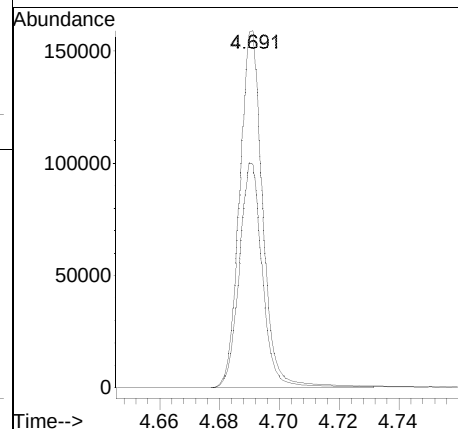
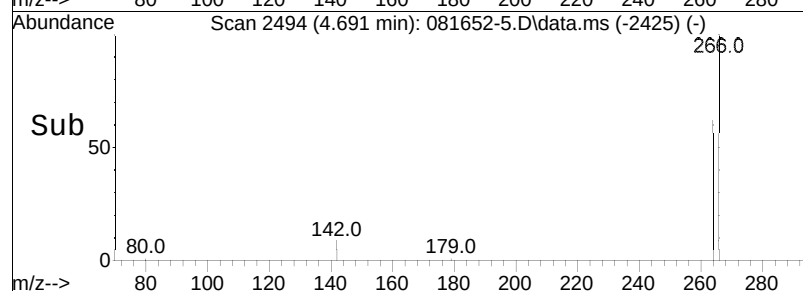
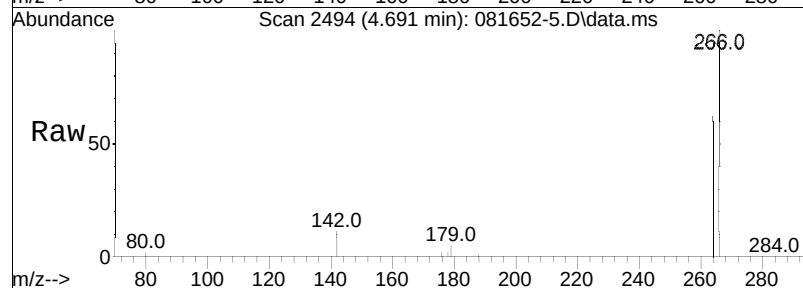
Tgt Ion	Ratio	Lower	Upper
284	100		
142	32.2	28.8	43.2

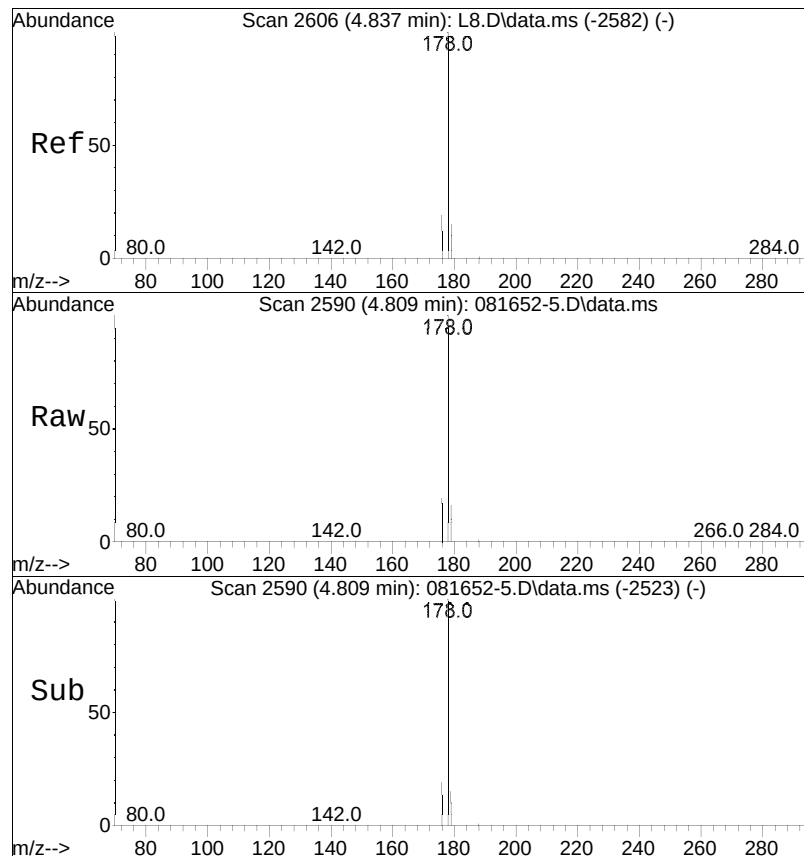




#26
 Pentachlorophenol
 Concen: 2087.13 ng/ml
 RT: 4.691 min Scan# 2494
 Delta R.T. 0.005 min
 Lab File: 081652-5.D
 Acq: 23 Jun 2025 03:14 pm

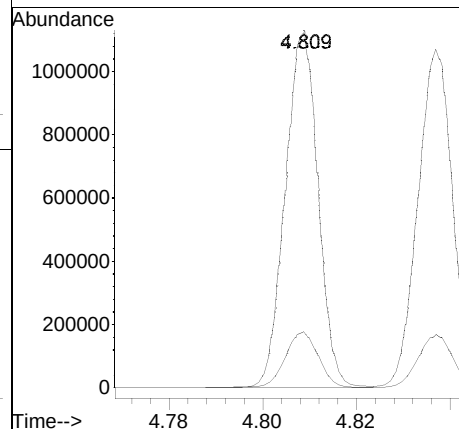
Tgt Ion	Ratio	Lower	Upper
266	100		
264	63.1	50.6	76.0

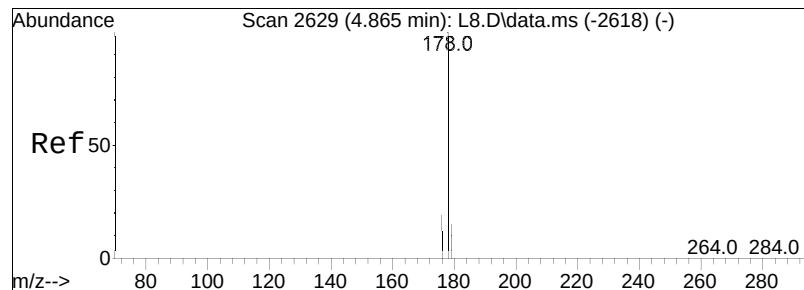




#27
 Phenanthrene
 Concen: 1360.39 ng/ml
 RT: 4.809 min Scan# 2590
 Delta R.T. 0.002 min
 Lab File: 081652-5.D
 Acq: 23 Jun 2025 03:14 pm

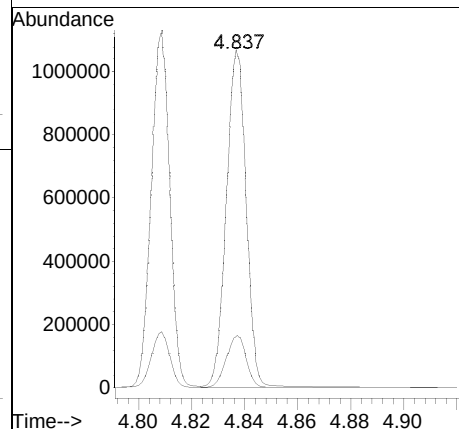
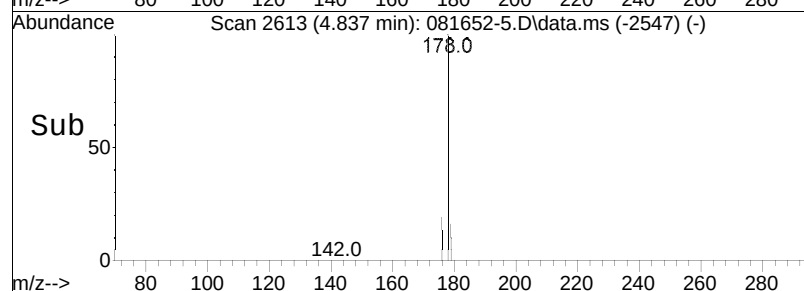
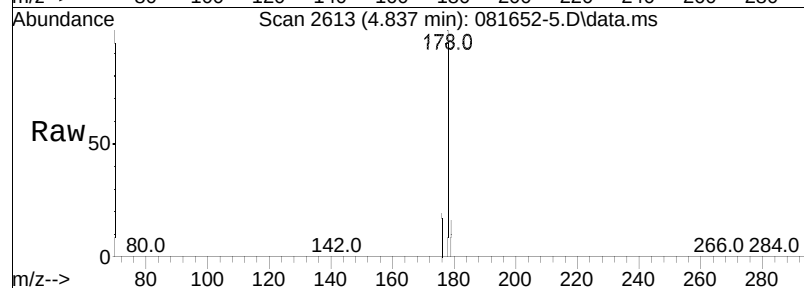
Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.7	12.4	18.6

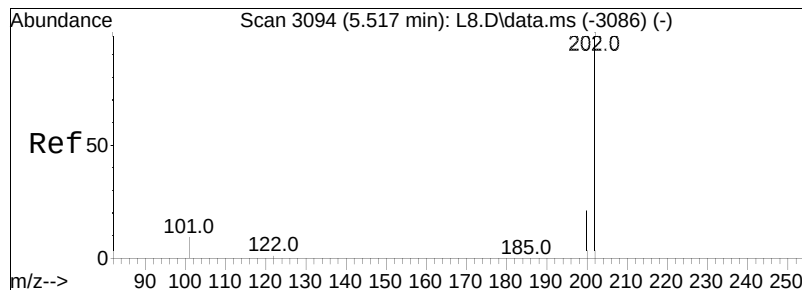




#28
 Anthracene
 Concen: 1410.80 ng/ml
 RT: 4.837 min Scan# 2613
 Delta R.T. 0.001 min
 Lab File: 081652-5.D
 Acq: 23 Jun 2025 03:14 pm

Tgt Ion	Ratio	Lower	Upper
178	100		
179	15.3	12.2	18.2





#29

Fluoranthene

Concen: 1387.05 ng/ml

RT: 5.509 min Scan# 3096

Delta R.T. -0.008 min

Lab File: 081652-5.D

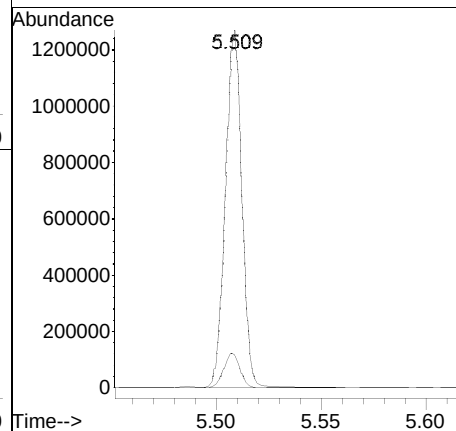
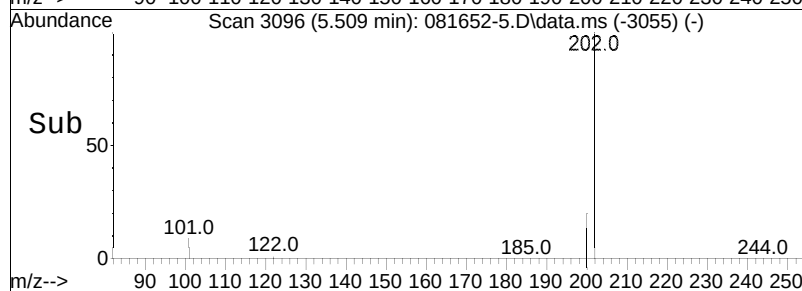
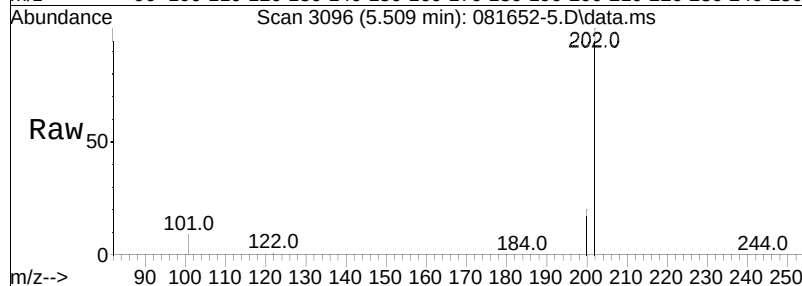
Acq: 23 Jun 2025 03:14 pm

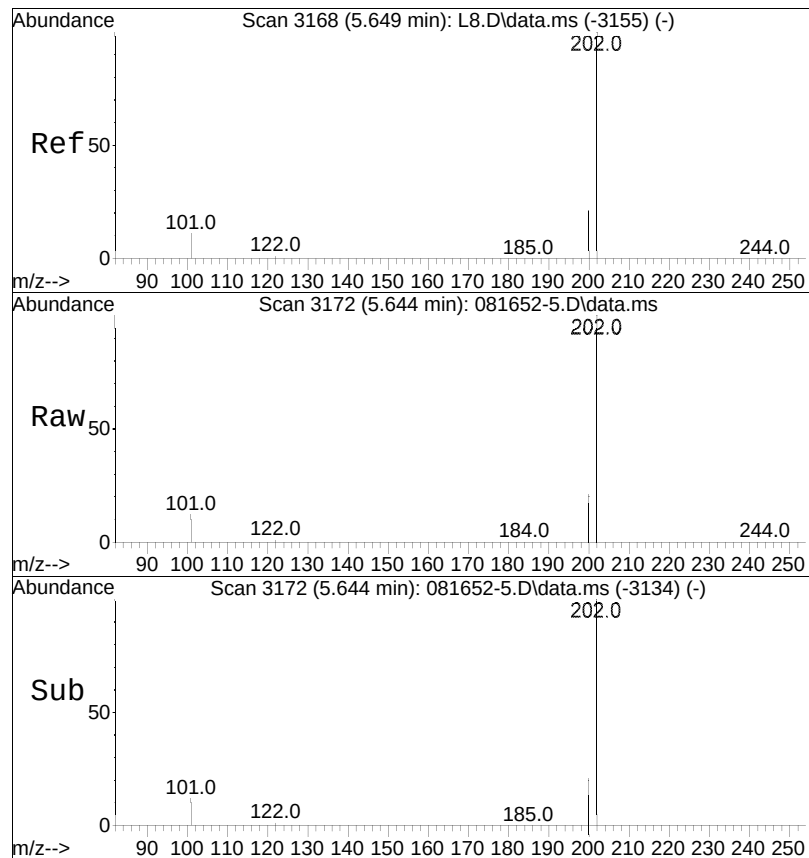
Tgt Ion: 202 Resp: 676617

Ion Ratio Lower Upper

202 100

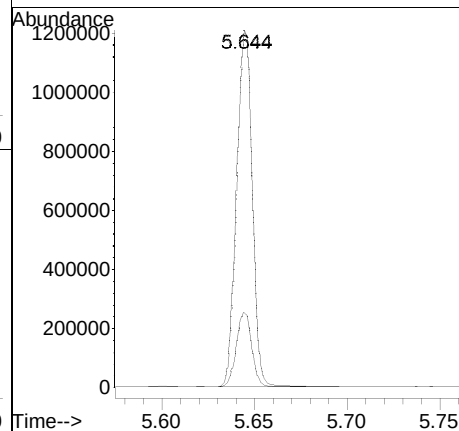
101 9.6 7.5 11.3

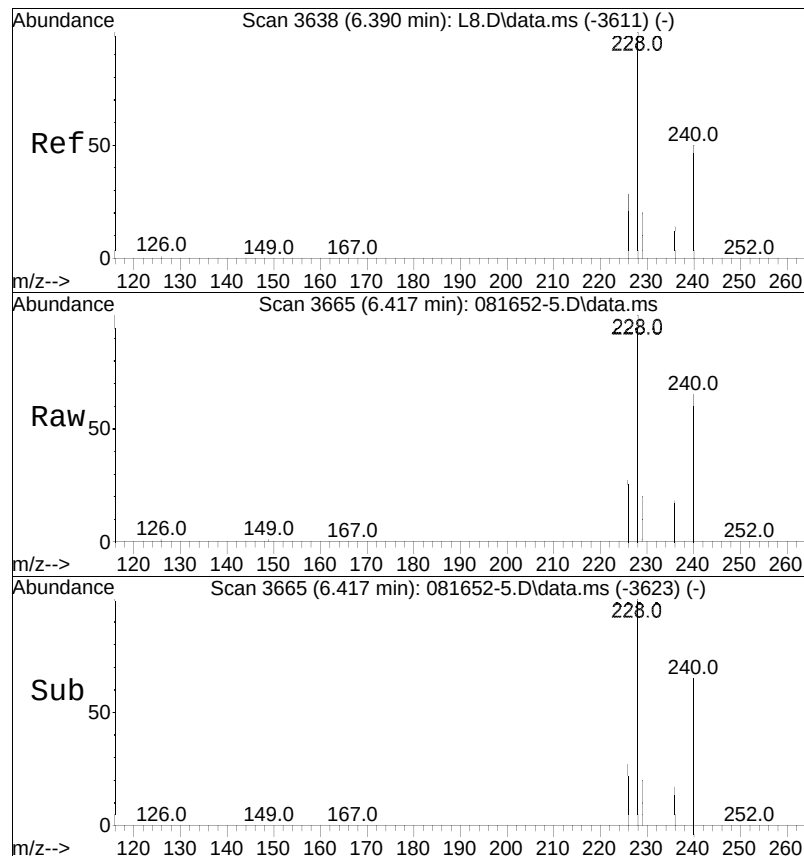




#30
 Pyrene
 Concen: 1390.10 ng/ml
 RT: 5.644 min Scan# 3172
 Delta R.T. -0.013 min
 Lab File: 081652-5.D
 Acq: 23 Jun 2025 03:14 pm

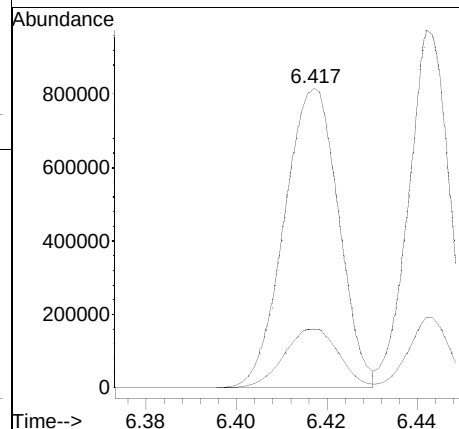
Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.9	17.0	25.4

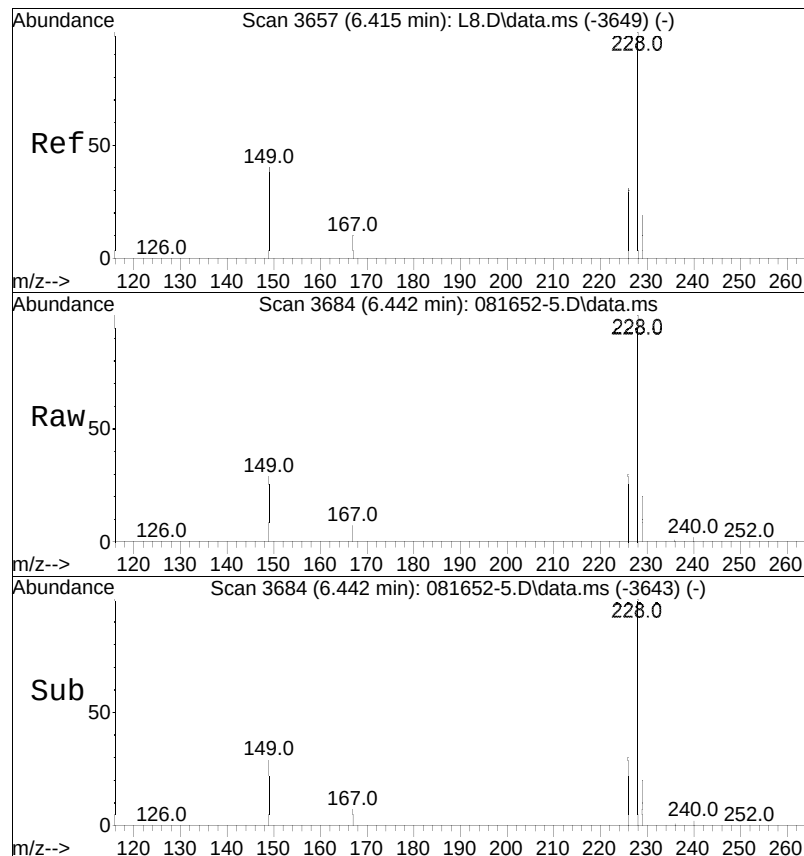




#34
 Benzo[a]anthracene
 Concen: 1464.41 ng/ml
 RT: 6.417 min Scan# 3665
 Delta R.T. -0.025 min
 Lab File: 081652-5.D
 Acq: 23 Jun 2025 03:14 pm

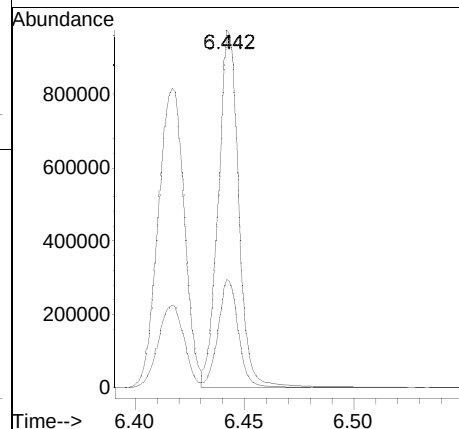
Tgt	Ion	Ratio	Lower	Upper
228	100			
229	19.7	15.8	23.6	

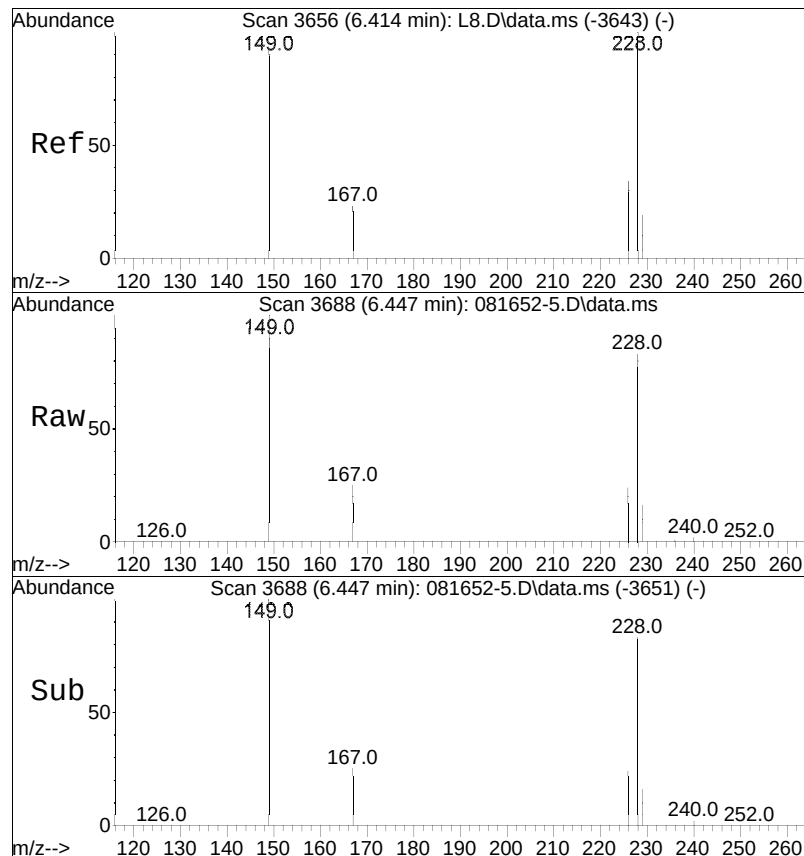




#36
 Chrysene
 Concen: 1449.15 ng/ml
 RT: 6.442 min Scan# 3684
 Delta R.T. -0.027 min
 Lab File: 081652-5.D
 Acq: 23 Jun 2025 03:14 pm

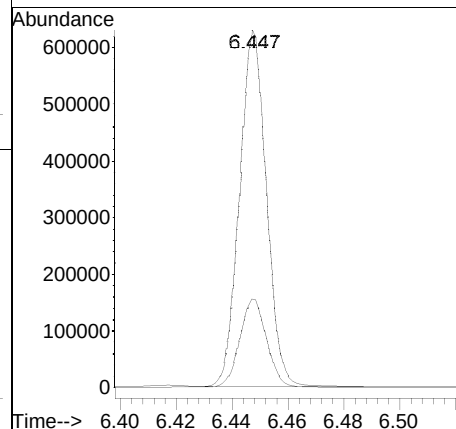
Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.1	24.6	37.0

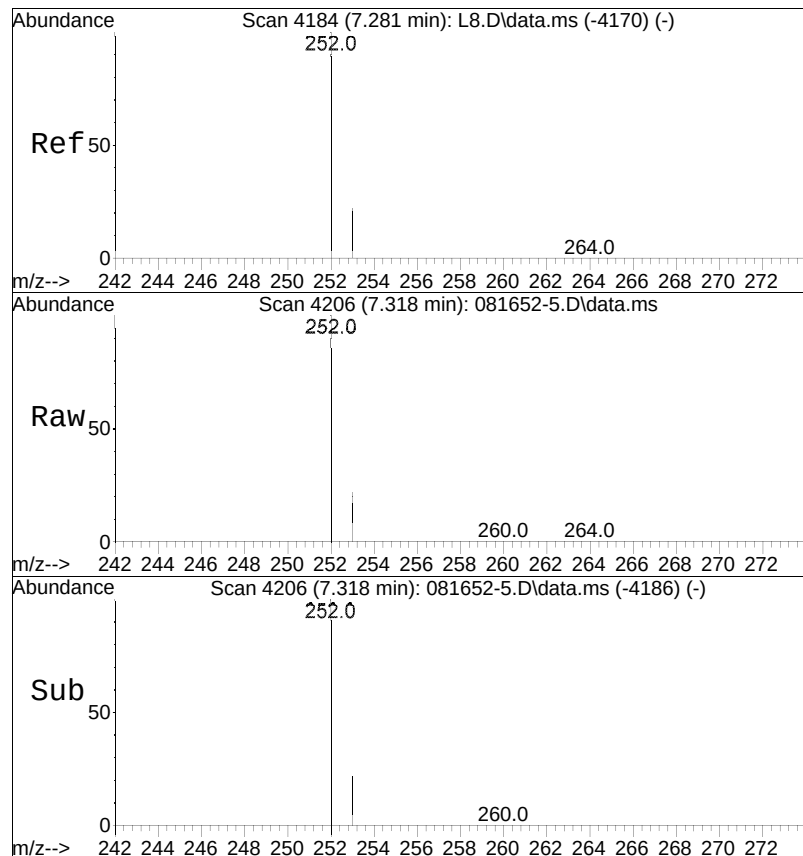




#37
 Bis(2-ethylhexyl)phthalate
 Concen: 1617.19 ng/ml
 RT: 6.447 min Scan# 3688
 Delta R.T. -0.032 min
 Lab File: 081652-5.D
 Acq: 23 Jun 2025 03:14 pm

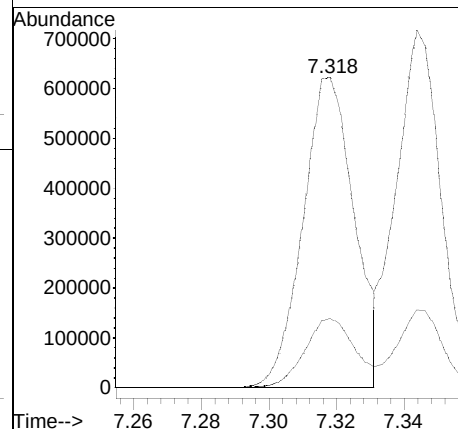
Tgt Ion	Ratio	Lower	Upper
149	100		
167	24.6	19.6	29.4

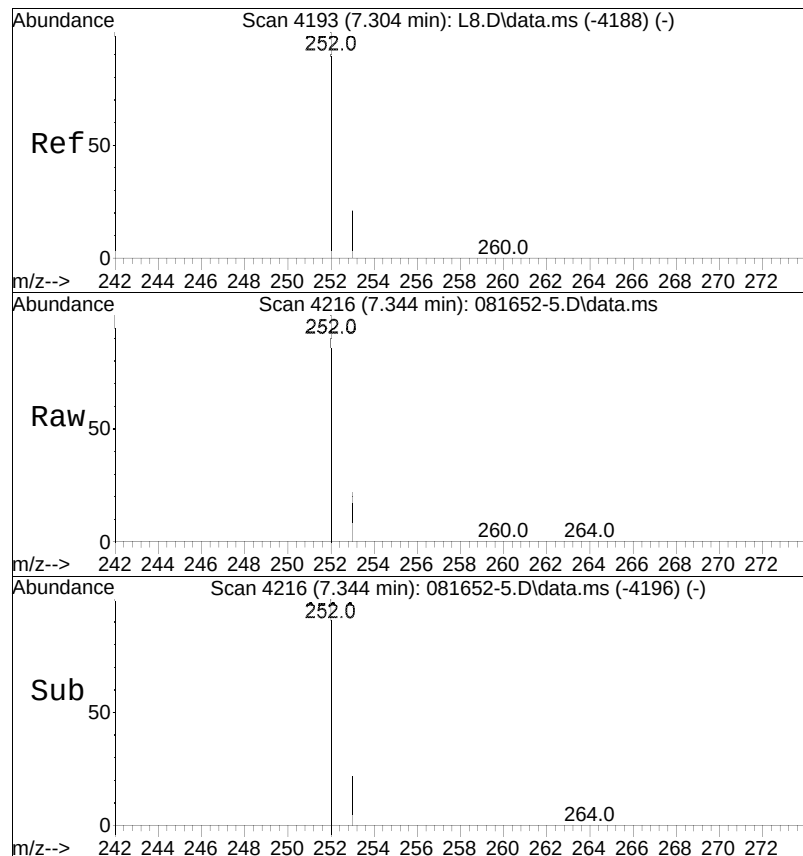




#39
 Benzo[b]fluoranthene
 Concen: 1580.89 ng/ml
 RT: 7.318 min Scan# 4206
 Delta R.T. -0.028 min
 Lab File: 081652-5.D
 Acq: 23 Jun 2025 03:14 pm

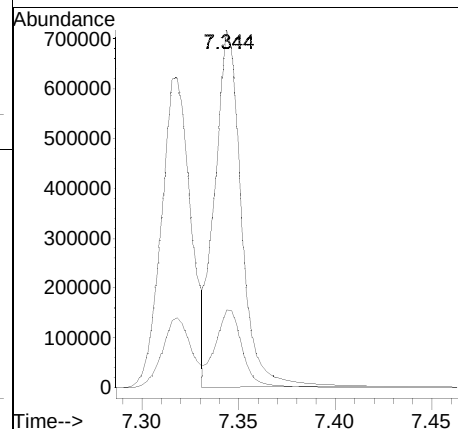
Tgt	Ion	Ratio	Lower	Upper
252	100			
253	21.8	18.1	27.1	

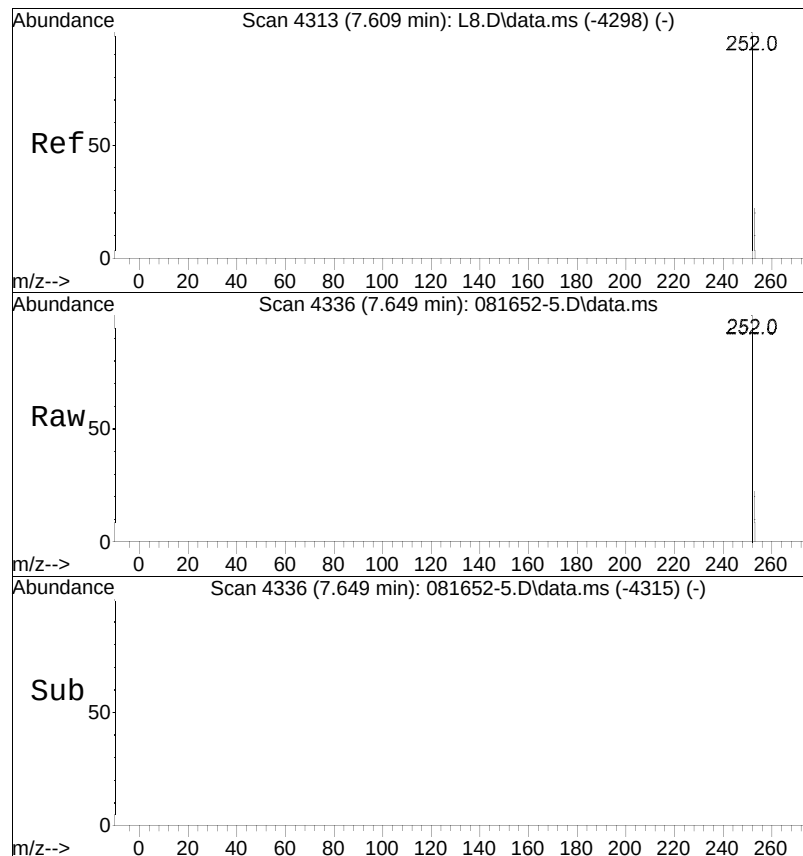




#40
 Benzo[k]fluoranthene
 Concen: 1546.58 ng/ml
 RT: 7.344 min Scan# 4216
 Delta R.T. -0.028 min
 Lab File: 081652-5.D
 Acq: 23 Jun 2025 03:14 pm

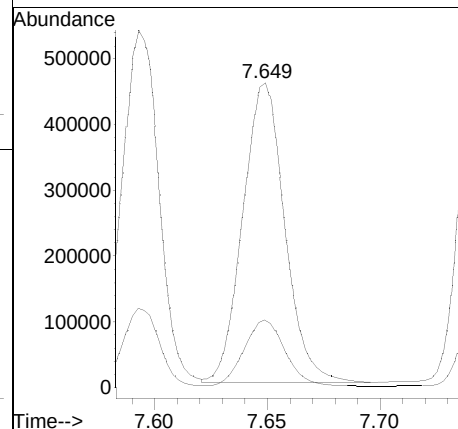
Tgt	Ion	Ratio	Lower	Upper
252	100			
253	22.1	17.0	25.4	

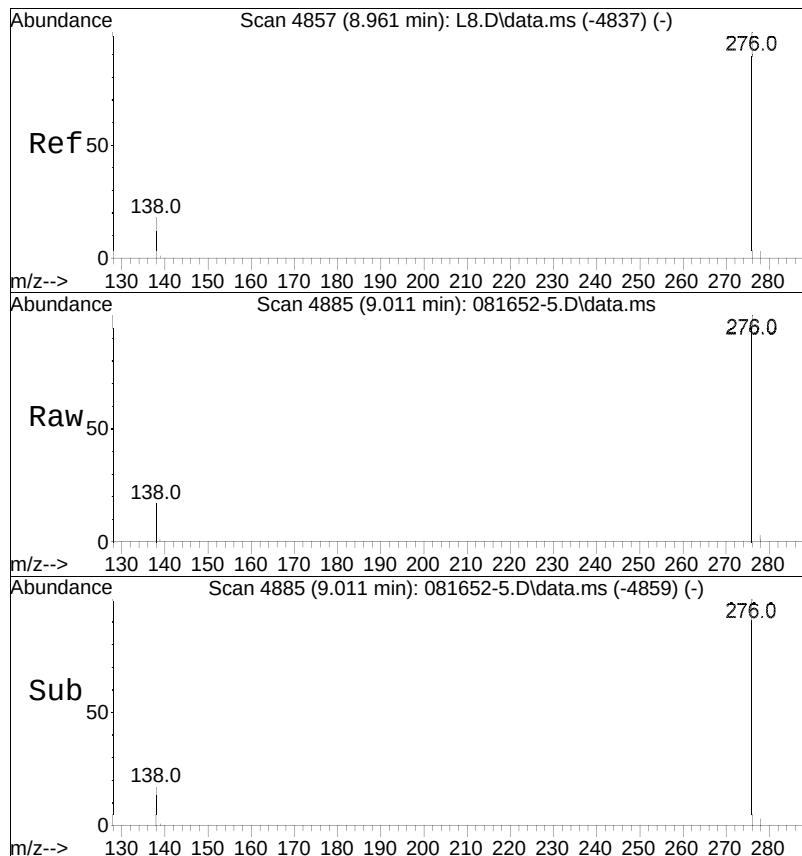




#41
 Benzo[a]pyrene
 Concen: 1551.08 ng/ml
 RT: 7.649 min Scan# 4336
 Delta R.T. -0.026 min
 Lab File: 081652-5.D
 Acq: 23 Jun 2025 03:14 pm

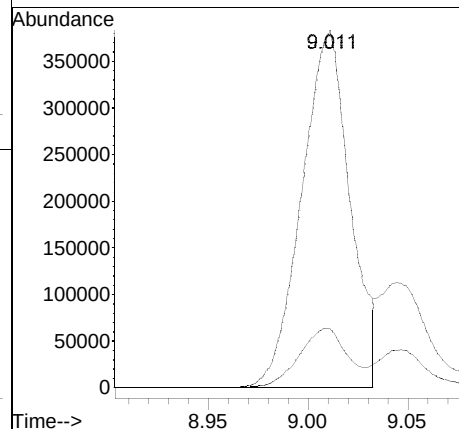
Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	17.4	26.0

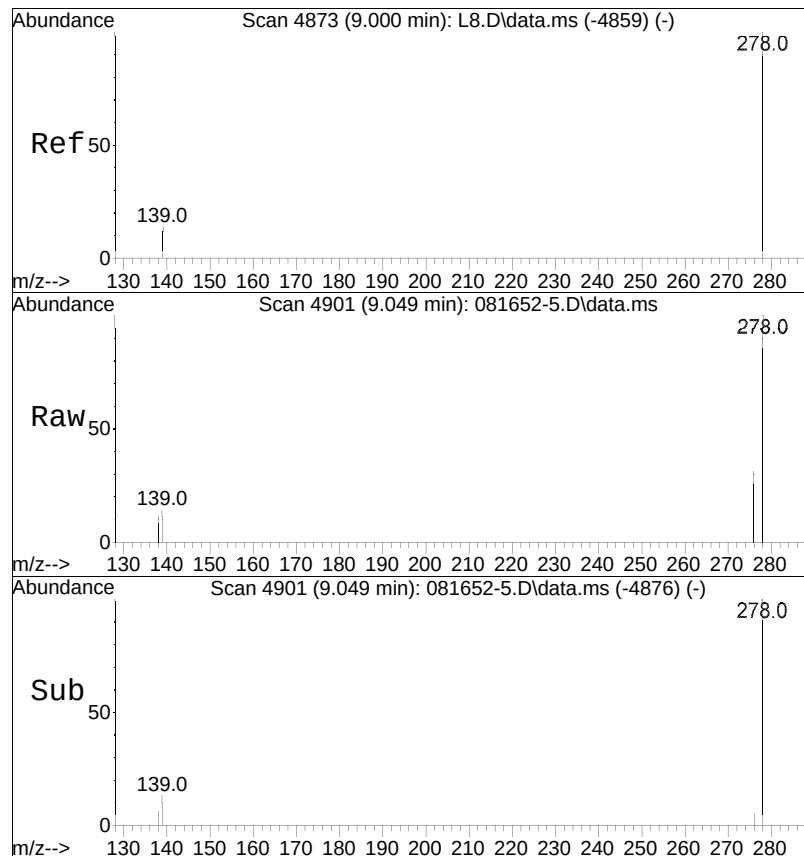




#42
 Indeno[1,2,3-cd]pyrene
 Concen: 1615.02 ng/ml
 RT: 9.011 min Scan# 4885
 Delta R.T. -0.017 min
 Lab File: 081652-5.D
 Acq: 23 Jun 2025 03:14 pm

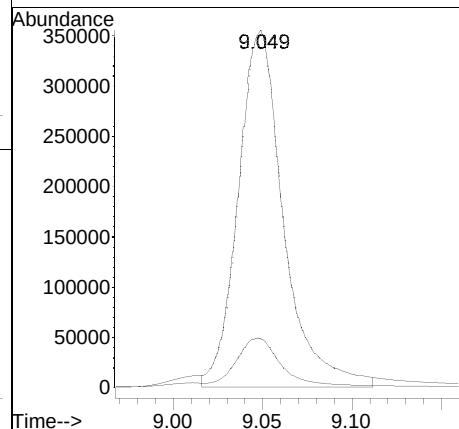
Tgt	Ion	Ratio	Lower	Upper
276	100			
138	16.5		14.4	21.6

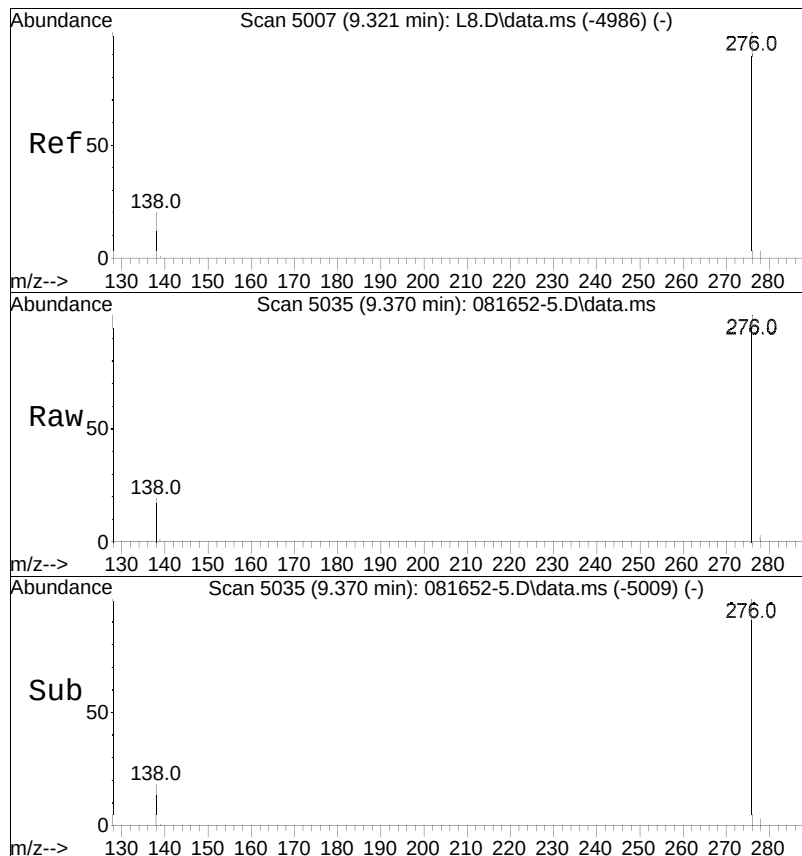




#43
 Dibenzo[a,h]anthracene
 Concen: 1648.66 ng/ml M6
 RT: 9.049 min Scan# 4901
 Delta R.T. -0.020 min
 Lab File: 081652-5.D
 Acq: 23 Jun 2025 03:14 pm

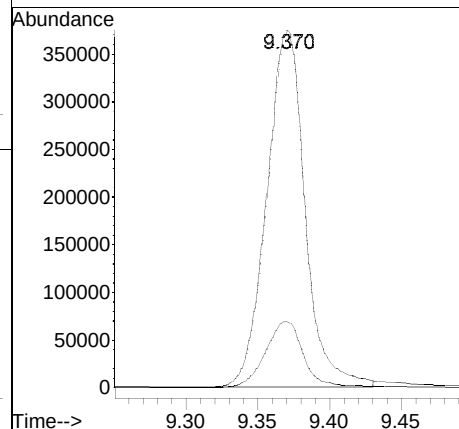
Tgt Ion	Ratio	Lower	Upper
278	100		
139	13.0	12.1	18.1





#44
 Benzo[g,h,i]perylene
 Concen: 1687.46 ng/ml
 RT: 9.370 min Scan# 5035
 Delta R.T. -0.017 min
 Lab File: 081652-5.D
 Acq: 23 Jun 2025 03:14 pm

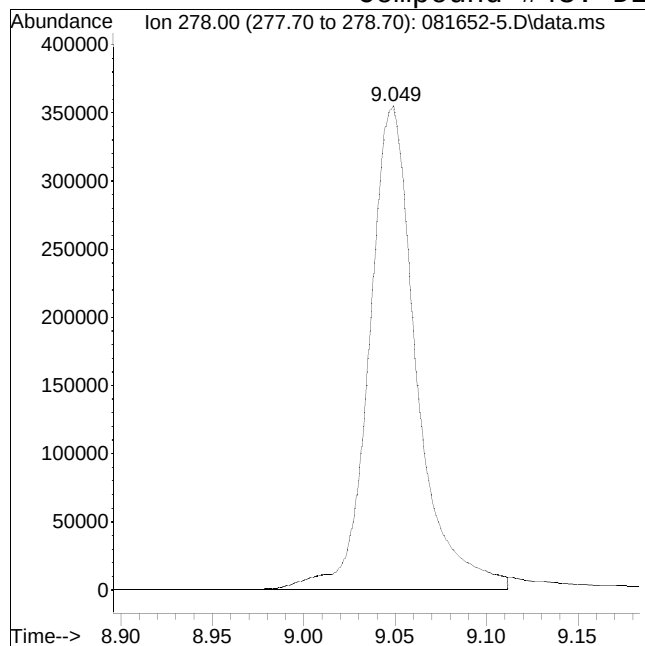
Tgt Ion	Ratio	Lower	Upper
276	100		
138	18.5	16.0	24.0



Manual Integration Report

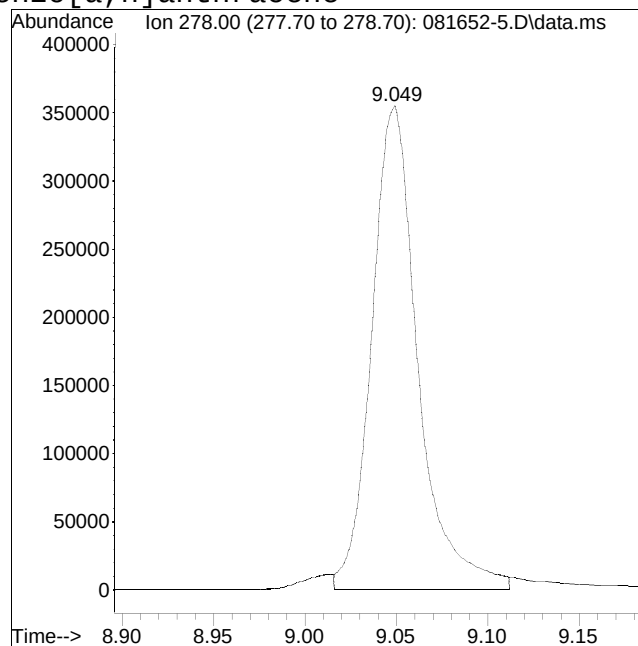
Data Path : I:\8270SIM\sv119\250623RVTQMethod : SIM-RVT_250618_sv119.M
Data File : 081652-5.D Operator : sv119:rp
Date Inj'd : 6/23/2025 3:14 pm Instrument : SV119
Sample : WG2081652-5,32,,jjw Quant Date : 6/23/2025 3:28 pm

Compound #43: Dibenzo[a,h]anthracene



Original Peak Response = 639001

M6 = Misassignment of peak valley by automated integration (poor split of 2 peaks).



Manual Peak Response = 624971 M6

Calculation of Semi Volatile Organic Compounds

Aqueous Concentration Formula: $Amt * DF * 1000 * (1/V_o) * V_f$

Where:

DF = Dilution Factor

V_o = Volume of Sample (mL)

V_f = Extraction Lab Final Volume (mL)

Soil Concentration Formula: $Amt * DF * 1000 * (1/W_t) * V_f * (100/TS)$

Where:

DF = Dilution Factor

W_t = Weight of Sample (g)

V_f = Extraction Lab Final Volume (mL)

TS = Total Solids

PACE ANALYTICAL SERVICES

PACE WORK GROUP REPORT (wk02)

Jun 27 2025, 05:50 pm

Work Group: WG2081652 for Department: 2 Organic Preparation

Created: 20-JUN-25 Due: Operator: JCL

Sample	Client ID	C Product	Matrix	Stat	UA	HOLD	DUE	PR	Location
L2538793-02	FB-01_20250619	C NYTCL-8270-SIM-RVT	WATER	DONE	U	0626	0624	1C	Amber-A.1
L2538793-03	GW-01	C NYTCL-8270-SIM-RVT	WATER	DONE	U	0626	0624	1C	Amber-A.1
L2538793-04	DUP-01_20250619	C NYTCL-8270-SIM-RVT	WATER	DONE	U	0626	0624	1C	Amber-A.1
L2538805-01	MW-4S	C NYTCL-8270-SIM-RVT	WATER	DONE	U	0626	0630	S0	Amber-A.1
L2538805-02	MW-4D2	C NYTCL-8270-SIM-RVT	WATER	DONE	U	0626	0630	S0	Amber-A.1
L2538805-03	SCDOH-DR	C NYTCL-8270-SIM-RVT	WATER	DONE	U	0626	0630	S0	Amber-A.1
L2538805-04	MW-10S	C NYTCL-8270-SIM-RVT	WATER	DONE	U	0626	0630	S0	Amber-A.1
L2538805-05	MW-10D	C NYTCL-8270-SIM-RVT	WATER	DONE	U	0626	0630	S0	Amber-A.1
L2538805-06	EQUIPMENT BLANK	C NYTCL-8270-SIM-RVT	WATER	DONE	U	0626	0630	S0	Amber-A.1
WG2081652-1	Laboratory Method Bl	S NYTCL-8270-SIM-RVT	WATER	DONE	U				
WG2081652-2	Laboratory Control S	S NYTCL-8270-SIM-RVT	WATER	DONE	U				
WG2081652-3	LCS Duplicate	S NYTCL-8270-SIM-RVT	WATER	DONE	U				
WG2081652-4	Matrix Spike	S NYTCL-8270-SIM-RVT	WATER	DONE	U				
WG2081652-5	Matrix Spike Duplica	S NYTCL-8270-SIM-RVT	WATER	DONE	U				
Comments:									
WG2081652-3	WG2081652-2								
WG2081652-4	L2538793-03								
WG2081652-5	L2538793-03								

Analysis log File

Total Files Reported in Log : 13

Log Generated From Directory: I:\8270SIM\sv119\250618RVTical\

No.	DATA FILE	INJ METH	SAMPLE NAME	MISC	DATE INJ'D
1	TUNE.D	DFTPPRUN.M	TUNE	WG2080956,,ical	6/18/2025 6:07 pm
2	L10.D	SIM-RVT.M	IL10,32,,5 Lot# 11697	WG2080956,,ical	6/18/2025 6:34 pm
3	L9.D	SIM-RVT.M	IL9,32,,2.5 Lot# 11699	WG2080956,,ical	6/18/2025 6:50 pm
4	L8.D	SIM-RVT.M	IL8,32,,1 Lot# 11700	WG2080956,,ical	6/18/2025 7:07 pm
5	L7.D	SIM-RVT.M	IL7,32,,0.5 Lot# 11701	WG2080956,,ical	6/18/2025 7:23 pm
6	L6.D	SIM-RVT.M	IL6,32,,0.1 Lot# 11702	WG2080956,,ical	6/18/2025 7:40 pm
7	L5.D	SIM-RVT.M	IL5,32,,0.04 Lot# 11703	WG2080956,,ical	6/18/2025 7:56 pm
8	L4.D	SIM-RVT.M	IL4,32,,0.01 Lot# 11704	WG2080956,,ical	6/18/2025 8:13 pm
9	L3.D	SIM-RVT.M	IL3,32,,0.005 Lot# 1170	WG2080956,,ical	6/18/2025 8:30 pm
10	L2.D	SIM-RVT.M	IL2,32,,0.002 Lot# 1170	WG2080956,,ical	6/18/2025 8:46 pm
11	L1.D	SIM-RVT.M	IL1,32,,0.001 Lot# 1170	WG2080956,,ical	6/18/2025 9:03 pm
12	ICV.D	SIM-RVT.M	CQICV1,32,,1 Lot# 11696	WG2080956,,ical	6/18/2025 9:19 pm
13	instblk.D	SIM-RVT.M			6/18/2025 9:36 pm

Analysis log File

Total Files Reported in Log : 13

Log Generated From Directory: I:\8270SIM\sv119\250625RV\Tical\

No.	DATA FILE	INJ METH	SAMPLE NAME	MISC	DATE INJ'D
1	TUNE.D	DFTPPRUN.M	TUNE	WG2084288,,ical	6/25/2025 7:48 pm
2	L10.D	SIM-RVT.M	IL10,32,,5 Lot# 11697	WG2084288,,ical	6/25/2025 8:07 pm
3	L9.D	SIM-RVT.M	IL9,32,,2.5 Lot# 11699	WG2084288,,ical	6/25/2025 8:23 pm
4	L8.D	SIM-RVT.M	IL8,32,,1 Lot# 11700	WG2084288,,ical	6/25/2025 8:40 pm
5	L7.D	SIM-RVT.M	IL7,32,,0.5 Lot# 11701	WG2084288,,ical	6/25/2025 8:57 pm
6	L6.D	SIM-RVT.M	IL6,32,,0.1 Lot# 11702	WG2084288,,ical	6/25/2025 9:14 pm
7	L5.D	SIM-RVT.M	IL5,32,,0.04 Lot# 11703	WG2084288,,ical	6/25/2025 9:31 pm
8	L4.D	SIM-RVT.M	IL4,32,,0.01 Lot# 11704	WG2084288,,ical	6/25/2025 9:48 pm
9	L3.D	SIM-RVT.M	IL3,32,,0.005 Lot# 1170	WG2084288,,ical	6/25/2025 10:04 pm
10	L2.D	SIM-RVT.M	IL2,32,,0.002 Lot# 1170	WG2084288,,ical	6/25/2025 10:24 pm
11	L1.D	SIM-RVT.M	IL1,32,,0.001 Lot# 1170	WG2084288,,ical	6/25/2025 10:41 pm
12	ICV.D	SIM-RVT.M	CQICV1,32,,1 Lot# 11696	WG2084288,,ical	6/25/2025 10:58 pm
13	instblk.D	SIM-RVT.M	instrument blank	WG2084288	6/25/2025 11:15 pm

Dep.: GCMS
 Inst: SV119
 Date: 06/23/25
 Run:

Method
 GC: SIM RVT
 Seq: WG2082224
 ICAL: 22394



Vial	Data File	Sample	CCAL/Notes	Screen	Verified	Initials
48	deg0623	wg-1,32,,dftpp SV119 lot# 11649				slr 6/23
49	ccv0623	wg-3,32,,CCV 11700 (0621)				
49	ccv0623a	wg-3,32,,ICV 11696 (0622)	PCP, Indeno low			slr 6/23
50	blank0623	instrument blank				
1	082081-1	WG2082081-1,32,,jjw				06/23 RAP
2	082081-2	WG2082081-2,32,,jjw				06/23 RAP
3	082081-3	WG2082081-3,32,,jjw				06/23 RAP
4	080182-1	WG2080182-1,32,,jjw				slr 6/23
5	080182-2	WG2080182-2,32,,jjw				slr 6/23
6	080182-3	WG2080182-3,32,,jjw				slr 6/23
7	36851-04	L2536851-04,32,,jjw	report fullscan			06/23 RAP
8	081649-2	WG2081649/52-2,32,,jjw				06/23 RAP
9	081649-3	WG2081649/52-3,32,,jjw				06/23 RAP
10	081649-1	WG2081649/52-1,32,,jjw	RV - hits over RL			06/23 RAP
11	079233-2	WG2079233-2,32,,jjw				06/23 RAP
12	079233-3	WG2079233-3,32,,jjw				06/23 RAP
13	079233-1	WG2079233-1,32,,jjw				06/23 RAP
14	37057-02	L2537057-02,32,,jjw				06/23 RAP
15	37716-05	L2537716-05,32,,R3A,jjw				06/23 RAP
16	38793-02	L2538793-02,32,,R1C,jjw				06/23 RAP
17	38793-04	L2538793-04,32,,R1C,jjw				06/23 RAP
18	38793-03	L2538793-03,32,,R1C,jjw				06/23 RAP
19	081652-4	WG2081652-4,32,,jjw				06/23 RAP
20	081652-5	WG2081652-5,32,,jjw				06/23 RAP
21	38558-01	L2538558-01,32,,R1D,jjw				06/23 RAP
22	38558-03	L2538558-03,32,,R1D,jjw				06/23 RAP
23	078864-2	WG2078864-2,32,,jjw				06/23 RAP
24	078864-3	WG2078864-3,32,,jjw				06/23 RAP
25	078864-1	WG2078864-1,32,,jjw	RV - hits over RL			06/23 RAP
26	36247-13	L2536247-13,32,,jjw				06/23 DV
27	36247-14	L2536247-14,32,,jjw	RV- vial empty			06/23 RAP
28	36247-15	L2536247-15,32,,jjw			SV-RAP	06/23 DV
29	36247-16	L2536247-16,32,,jjw				06/23 DV
30	36247-17	L2536247-17,32,,jjw				06/23 DV
31	36247-18	L2536247-18,32,,jjw				06/23 DV
32	36247-20	L2536247-20,32,,jjw				06/23 DV
33	36247-12	L2536247-12,32,,jjw				06/23 DV
34	078864-4	WG2078864-4,32,,jjw				06/23 DV
35	078864-5	WG2078864-5,32,,jjw			JJW	06/23 DV
					SV-DV	

Dep.: GCMS
 Inst: SV119
 Date: 06/26/25
 Run:

Method
 GC: SIM RVT
 Seq: wg2084091
 ICAL: 22426



Vial	Data File	Sample	CCAL/Notes	Screen	Verified	Initials
48	deg0626a	wg-1,32,,dftpp SV119 lot# 11649				slr 6/27
49	ccv0626	wg-3,32,,CCV 11700 (0621)				slr 6/27
50	blank0626	instrument blank				
1	37699-01	L2537699-01,32,,DV				slr 6/27
2	37699-02	L2537699-02,32,,DV				slr 6/27
3	37699-03	L2537699-03,32,,DV				slr 6/27
4	37699-04	L2537699-04,32,,DV	5x M/low IS		slr	slr 6/27
5	37699-05	L2537699-05,32,,DV				slr 6/27
6	37699-06	L2537699-06,32,,DV				slr 6/27
7	37699-07	L2537699-07,32,,DV				slr 6/27
8	37699-08	L2537699-08,32,,DV				slr 6/27
9	37699-09	L2537699-09,32,,DV				slr 6/27
10	37699-10	L2537699-10,32,,DV				slr 6/27
11	37730-08	L2537730-08,32,,DV				slr 6/27
12	081709-2	Wg2081709-2,32,,DV				slr 6/27
13	081709-3	Wg2081709-3,32,,DV				slr 6/27
14	081709-1	Wg2081709-1,32,,DV				slr 6/27
15	37616-07	L2537616-07,32,,DV				slr 6/27
16	38805-01	L2538805-01,32,,DV				slr 6/27
17	38805-02	L2538805-02,32,,DV				slr 6/27
18	38805-03	L2538805-03,32,,DV				slr 6/27
19	38805-04	L2538805-04,32,,DV				slr 6/27
20	38805-05	L2538805-05,32,,DV				slr 6/27
21	38805-06	L2538805-06,32,,DV				slr 6/27
22	38682-01	L2538682-01,32,,DV				slr 6/27
23	38682-03	L2538682-03,32,,DV				slr 6/27
24	38682-04	L2538682-04,32,,DV				slr 6/27
25	38682-05	L2538682-05,32,,DV				slr 6/27
26	37617-01	L2537617-01,32,,DV				slr 6/27
27	37617-02	L2537617-02,32,,DV				slr 6/27
28	37617-03	L2537617-03,32,,DV				slr 6/27
29	37617-04	L2537617-04,32,,DV				slr 6/27
30	37617-05	L2537617-05,32,,DV				slr 6/27
31	37617-06	L2537617-06,32,,DV				slr 6/27
32	38364-06	L2538364-06,32,,DV				slr 6/27
33	39232-01	L2539232-01,32,,DV			DV	slr 6/27
					Sv-csn	



ORGANIC ELN REPORT

Workgroup: WG2081652

Prep Method: EPA 3510C Solvent Type: DCM Surrogate Type: ABN Spike Type: ABN-SIM Spike Verify by: JCL Lims Spikelot: 8270-RVT Additional Reagents/Std <table><tr><td>H2SO4</td><td>A052225</td></tr><tr><td>Na2SO4</td><td>244434</td></tr><tr><td>NaOH</td><td>10NNaOH061425</td></tr></table>	H2SO4	A052225	Na2SO4	244434	NaOH	10NNaOH061425	Conc.Method: KD Solvent Type: DCM Lot #: EK254 Additional Reagents/Std	Cleanup 1 Cleanup Method 1: Cleanup Method 2: Solvent Type: Lot #: Additional Reagents/Std
H2SO4	A052225							
Na2SO4	244434							
NaOH	10NNaOH061425							

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol ml	Ph	Surr Amt ml	Spike Amt ml	Conc Date	Analyst	Final Vol ml	Conc Unit
L2538793-02 SAMP	06/21/25 02:00	Jessica Labossier e	100	<2,>12	.1		06/21/25 03:02	Rebecca Corbin	1	K
L2538793-03 SAMP	06/21/25 02:00	Jessica Labossier e	100	<2,>12	.1		06/21/25 03:02	Rebecca Corbin	1	K
L2538793-04 SAMP	06/21/25 02:00	Jessica Labossier e	100	<2,>12	.1		06/21/25 03:02	Rebecca Corbin	1	K
L2538805-01 SAMP	06/21/25 02:00	Jessica Labossier e	100	<2,>12	.1		06/21/25 03:02	Rebecca Corbin	1	K
L2538805-02 SAMP	06/21/25 02:00	Jessica Labossier e	100	<2,>12	.1		06/21/25 03:02	Rebecca Corbin	1	K



ORGANIC ELN REPORT

Workgroup: WG2081652

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol ml	Ph	Surr Amt ml	Spike Amt ml	Conc Date	Analyst	Final Vol ml	Conc Unit
L2538805-03 SAMP	06/21/25 02:00	Jessica Labossier e	100	<2,>12	.1		06/21/25 03:02	Rebecca Corbin	1	K
L2538805-04 SAMP	06/21/25 02:00	Jessica Labossier e	100	<2,>12	.1		06/21/25 03:02	Rebecca Corbin	1	K
L2538805-05 SAMP	06/21/25 02:00	Jessica Labossier e	100	<2,>12	.1		06/21/25 03:02	Rebecca Corbin	1	G
L2538805-06 SAMP	06/21/25 02:00	Jessica Labossier e	100	<2,>12	.1		06/21/25 03:02	Rebecca Corbin	1	G
WG2081652-1 BLANK	06/21/25 02:00	Jessica Labossier e	100	<2,>12	.1		06/21/25 03:02	Rebecca Corbin	1	K
WG2081648, WG2081649, WG2081650, WG2081652										
WG2081652-2 LCS	06/21/25 02:00	Jessica Labossier e	100	<2,>12	.1	.1	06/21/25 03:02	Rebecca Corbin	1	K
WG2081652-3 LCSD	06/21/25 02:00	Jessica Labossier e	100	<2,>12	.1	.1	06/21/25 03:02	Rebecca Corbin	1	K
WG2081652-4 MS	06/21/25 02:00	Jessica Labossier e	100	<2,>12	.1	.1	06/21/25 03:02	Rebecca Corbin	1	K



ORGANIC ELN REPORT

Workgroup: WG2081652

Sample/ Type	Extraction						Concentration			
	Extract Date	Analyst	Sample Vol ml	Ph	Surr Amt ml	Spike Amt ml	Conc Date	Analyst	Final Vol ml	Conc Unit
WG2081652 -5 MSD	06/21/25 02:00	Jessica Labossier e	100	<2,>12	.1	.1	06/21/25 03:02	Rebecca Corbin	1	K

Metals

Inorganic Data (ICP Analysis)

Form 1 METALS

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM GROUNDWATER EVENT
 Lab ID : WG2085201-1
 Client ID : WG2085201-1BLANK
 Sample Location :
 Sample Matrix : WATER
 Analytical Method : 19,200.7
 Lab File ID : WG2085082.pdf
 Sample Amount : 50ml
 Digestion Method : EPA 3005A

Lab Number : L2538805
 Project Number : 2232.0006Y005
 Date Collected : NA
 Date Received : NA
 Date Analyzed : 06/30/25 16:13
 Dilution Factor : 1
 Analyst : DMC
 Instrument ID : TRACE9
 %Solids : N/A
 Date Digested : 06/30/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Total	ND	0.100	0.0318	U
7440-36-0	Antimony, Total	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Total	ND	0.0050	0.0019	U
7440-39-3	Barium, Total	ND	0.0100	0.0021	U
7440-41-7	Beryllium, Total	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Total	ND	0.0050	0.0010	U
7440-70-2	Calcium, Total	ND	0.100	0.0350	U
7440-47-3	Chromium, Total	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Total	ND	0.0200	0.0017	U
7440-50-8	Copper, Total	ND	0.0100	0.0022	U
7439-89-6	Iron, Total	ND	0.0500	0.0090	U
7439-92-1	Lead, Total	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Total	ND	0.100	0.0153	U
7439-96-5	Manganese, Total	ND	0.0100	0.0016	U
7440-02-0	Nickel, Total	ND	0.0250	0.0024	U
7440-09-7	Potassium, Total	ND	2.50	0.237	U
7782-49-2	Selenium, Total	ND	0.0100	0.0035	U
7440-22-4	Silver, Total	ND	0.0070	0.0028	U
7440-23-5	Sodium, Total	ND	2.00	0.120	U
7440-28-0	Thallium, Total	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Total	ND	0.0100	0.0020	U
7440-66-6	Zinc, Total	ND	0.0050	0.0021	U



Form 1

METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: WG2085201-4	Date Collected	: 06/11/25 08:30
Client ID	: WG2085201-4 DUP	Date Received	: 06/13/25
Sample Location	:	Date Analyzed	: 06/30/25 16:33
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 19,200.7	Analyst	: DMC
Lab File ID	: WG2085082.pdf	Instrument ID	: TRACE9
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 06/30/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-92-1	Lead, Total	ND	0.0100	0.003	U

Form 1 METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-01	Date Collected	: 06/19/25 11:10
Client ID	: MW-4S	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 07/01/25 11:24
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 19,200.7	Analyst	: DMC
Lab File ID	: WG2085564.csv	Instrument ID	: TRACE5
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 06/30/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Dissolved	ND	0.100	0.0318	U
7440-36-0	Antimony, Dissolved	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Dissolved	ND	0.0050	0.0019	U
7440-39-3	Barium, Dissolved	0.0227	0.0100	0.0021	
7440-41-7	Beryllium, Dissolved	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Dissolved	ND	0.0050	0.0010	U
7440-70-2	Calcium, Dissolved	7.46	0.100	0.0350	
7440-47-3	Chromium, Dissolved	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Dissolved	ND	0.0200	0.0017	U
7440-50-8	Copper, Dissolved	ND	0.0100	0.0022	U
7439-89-6	Iron, Dissolved	ND	0.0500	0.0090	U
7439-92-1	Lead, Dissolved	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Dissolved	2.44	0.100	0.0153	
7439-96-5	Manganese, Dissolved	ND	0.0100	0.0016	U
7440-02-0	Nickel, Dissolved	ND	0.0250	0.0024	U
7440-09-7	Potassium, Dissolved	1.24	2.50	0.237	J
7782-49-2	Selenium, Dissolved	ND	0.0100	0.0035	U
7440-22-4	Silver, Dissolved	ND	0.0070	0.0028	U
7440-23-5	Sodium, Dissolved	37.0	2.00	0.120	
7440-28-0	Thallium, Dissolved	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Dissolved	ND	0.0100	0.0020	U
7440-66-6	Zinc, Dissolved	ND	0.0050	0.0021	U



Form 1 METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-02	Date Collected	: 06/19/25 11:05
Client ID	: MW-4D2	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 07/01/25 12:43
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 19,200.7	Analyst	: DMC
Lab File ID	: WG2085564.csv	Instrument ID	: TRACE5
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 06/30/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Dissolved	ND	0.100	0.0318	U
7440-36-0	Antimony, Dissolved	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Dissolved	ND	0.0050	0.0019	U
7440-39-3	Barium, Dissolved	0.0145	0.0100	0.0021	
7440-41-7	Beryllium, Dissolved	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Dissolved	ND	0.0050	0.0010	U
7440-70-2	Calcium, Dissolved	10.9	0.100	0.0350	
7440-47-3	Chromium, Dissolved	0.0029	0.0100	0.0021	J
7440-48-4	Cobalt, Dissolved	ND	0.0200	0.0017	U
7440-50-8	Copper, Dissolved	ND	0.0100	0.0022	U
7439-89-6	Iron, Dissolved	ND	0.0500	0.0090	U
7439-92-1	Lead, Dissolved	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Dissolved	5.24	0.100	0.0153	
7439-96-5	Manganese, Dissolved	0.0016	0.0100	0.0016	J
7440-02-0	Nickel, Dissolved	ND	0.0250	0.0024	U
7440-09-7	Potassium, Dissolved	0.945	2.50	0.237	J
7782-49-2	Selenium, Dissolved	ND	0.0100	0.0035	U
7440-22-4	Silver, Dissolved	ND	0.0070	0.0028	U
7440-23-5	Sodium, Dissolved	7.83	2.00	0.120	
7440-28-0	Thallium, Dissolved	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Dissolved	ND	0.0100	0.0020	U
7440-66-6	Zinc, Dissolved	0.0033	0.0050	0.0021	J



Form 1 METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-03	Date Collected	: 06/19/25 10:00
Client ID	: SCDOH-DR	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 07/01/25 12:24
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 19,200.7	Analyst	: DMC
Lab File ID	: WG2085564.csv	Instrument ID	: TRACE5
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 06/30/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Dissolved	ND	0.100	0.0318	U
7440-36-0	Antimony, Dissolved	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Dissolved	ND	0.0050	0.0019	U
7440-39-3	Barium, Dissolved	0.0168	0.0100	0.0021	
7440-41-7	Beryllium, Dissolved	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Dissolved	ND	0.0050	0.0010	U
7440-70-2	Calcium, Dissolved	14.2	0.100	0.0350	
7440-47-3	Chromium, Dissolved	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Dissolved	ND	0.0200	0.0017	U
7440-50-8	Copper, Dissolved	ND	0.0100	0.0022	U
7439-89-6	Iron, Dissolved	ND	0.0500	0.0090	U
7439-92-1	Lead, Dissolved	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Dissolved	6.27	0.100	0.0153	
7439-96-5	Manganese, Dissolved	0.0025	0.0100	0.0016	J
7440-02-0	Nickel, Dissolved	ND	0.0250	0.0024	U
7440-09-7	Potassium, Dissolved	1.64	2.50	0.237	J
7782-49-2	Selenium, Dissolved	ND	0.0100	0.0035	U
7440-22-4	Silver, Dissolved	ND	0.0070	0.0028	U
7440-23-5	Sodium, Dissolved	23.8	2.00	0.120	
7440-28-0	Thallium, Dissolved	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Dissolved	ND	0.0100	0.0020	U
7440-66-6	Zinc, Dissolved	0.0021	0.0050	0.0021	J



Form 1 METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-04	Date Collected	: 06/19/25 08:38
Client ID	: MW-10S	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 07/01/25 12:31
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 19,200.7	Analyst	: DMC
Lab File ID	: WG2085564.csv	Instrument ID	: TRACE5
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 06/30/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Dissolved	ND	0.100	0.0318	U
7440-36-0	Antimony, Dissolved	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Dissolved	ND	0.0050	0.0019	U
7440-39-3	Barium, Dissolved	0.0418	0.0100	0.0021	
7440-41-7	Beryllium, Dissolved	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Dissolved	ND	0.0050	0.0010	U
7440-70-2	Calcium, Dissolved	9.12	0.100	0.0350	
7440-47-3	Chromium, Dissolved	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Dissolved	ND	0.0200	0.0017	U
7440-50-8	Copper, Dissolved	ND	0.0100	0.0022	U
7439-89-6	Iron, Dissolved	ND	0.0500	0.0090	U
7439-92-1	Lead, Dissolved	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Dissolved	4.05	0.100	0.0153	
7439-96-5	Manganese, Dissolved	0.0029	0.0100	0.0016	J
7440-02-0	Nickel, Dissolved	ND	0.0250	0.0024	U
7440-09-7	Potassium, Dissolved	1.12	2.50	0.237	J
7782-49-2	Selenium, Dissolved	ND	0.0100	0.0035	U
7440-22-4	Silver, Dissolved	ND	0.0070	0.0028	U
7440-23-5	Sodium, Dissolved	4.76	2.00	0.120	
7440-28-0	Thallium, Dissolved	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Dissolved	ND	0.0100	0.0020	U
7440-66-6	Zinc, Dissolved	0.0023	0.0050	0.0021	J



Form 1 METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-05	Date Collected	: 06/19/25 08:50
Client ID	: MW-10D	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 07/01/25 12:37
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 19,200.7	Analyst	: DMC
Lab File ID	: WG2085564.csv	Instrument ID	: TRACE5
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 06/30/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Dissolved	ND	0.100	0.0318	U
7440-36-0	Antimony, Dissolved	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Dissolved	ND	0.0050	0.0019	U
7440-39-3	Barium, Dissolved	0.0066	0.0100	0.0021	J
7440-41-7	Beryllium, Dissolved	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Dissolved	ND	0.0050	0.0010	U
7440-70-2	Calcium, Dissolved	18.9	0.100	0.0350	
7440-47-3	Chromium, Dissolved	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Dissolved	ND	0.0200	0.0017	U
7440-50-8	Copper, Dissolved	ND	0.0100	0.0022	U
7439-89-6	Iron, Dissolved	0.0418	0.0500	0.0090	J
7439-92-1	Lead, Dissolved	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Dissolved	2.45	0.100	0.0153	
7439-96-5	Manganese, Dissolved	0.0239	0.0100	0.0016	
7440-02-0	Nickel, Dissolved	ND	0.0250	0.0024	U
7440-09-7	Potassium, Dissolved	0.955	2.50	0.237	J
7782-49-2	Selenium, Dissolved	ND	0.0100	0.0035	U
7440-22-4	Silver, Dissolved	ND	0.0070	0.0028	U
7440-23-5	Sodium, Dissolved	6.35	2.00	0.120	
7440-28-0	Thallium, Dissolved	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Dissolved	ND	0.0100	0.0020	U
7440-66-6	Zinc, Dissolved	ND	0.0050	0.0021	U



Form 1 METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-06	Date Collected	: 06/19/25 12:00
Client ID	: EQUIPMENT BLANK	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 07/01/25 13:47
Sample Matrix	: Equipment Blank	Dilution Factor	: 1
Analytical Method	: 19,200.7	Analyst	: DMC
Lab File ID	: WG2085564.csv	Instrument ID	: TRACE5
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 06/30/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Dissolved	ND	0.100	0.0318	U
7440-36-0	Antimony, Dissolved	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Dissolved	ND	0.0050	0.0019	U
7440-39-3	Barium, Dissolved	ND	0.0100	0.0021	U
7440-41-7	Beryllium, Dissolved	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Dissolved	ND	0.0050	0.0010	U
7440-70-2	Calcium, Dissolved	ND	0.100	0.0350	U
7440-47-3	Chromium, Dissolved	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Dissolved	ND	0.0200	0.0017	U
7440-50-8	Copper, Dissolved	ND	0.0100	0.0022	U
7439-89-6	Iron, Dissolved	ND	0.0500	0.0090	U
7439-92-1	Lead, Dissolved	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Dissolved	ND	0.100	0.0153	U
7439-96-5	Manganese, Dissolved	ND	0.0100	0.0016	U
7440-02-0	Nickel, Dissolved	ND	0.0250	0.0024	U
7440-09-7	Potassium, Dissolved	ND	2.50	0.237	U
7782-49-2	Selenium, Dissolved	ND	0.0100	0.0035	U
7440-22-4	Silver, Dissolved	ND	0.0070	0.0028	U
7440-23-5	Sodium, Dissolved	ND	2.00	0.120	U
7440-28-0	Thallium, Dissolved	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Dissolved	ND	0.0100	0.0020	U
7440-66-6	Zinc, Dissolved	ND	0.0050	0.0021	U



Form 1 METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: WG2085346-1	Date Collected	: NA
Client ID	: WG2085346-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 07/01/25 10:52
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 19,200.7	Analyst	: DMC
Lab File ID	: WG2085564.csv	Instrument ID	: TRACE5
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 06/30/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Dissolved	ND	0.100	0.0318	U
7440-36-0	Antimony, Dissolved	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Dissolved	ND	0.0050	0.0019	U
7440-39-3	Barium, Dissolved	ND	0.0100	0.0021	U
7440-41-7	Beryllium, Dissolved	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Dissolved	ND	0.0050	0.0010	U
7440-70-2	Calcium, Dissolved	ND	0.100	0.0350	U
7440-47-3	Chromium, Dissolved	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Dissolved	ND	0.0200	0.0017	U
7440-50-8	Copper, Dissolved	ND	0.0100	0.0022	U
7439-89-6	Iron, Dissolved	ND	0.0500	0.0090	U
7439-92-1	Lead, Dissolved	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Dissolved	ND	0.100	0.0153	U
7439-96-5	Manganese, Dissolved	ND	0.0100	0.0016	U
7440-02-0	Nickel, Dissolved	ND	0.0250	0.0024	U
7440-09-7	Potassium, Dissolved	ND	2.50	0.237	U
7782-49-2	Selenium, Dissolved	ND	0.0100	0.0035	U
7440-22-4	Silver, Dissolved	ND	0.0070	0.0028	U
7440-23-5	Sodium, Dissolved	ND	2.00	0.120	U
7440-28-0	Thallium, Dissolved	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Dissolved	ND	0.0100	0.0020	U
7440-66-6	Zinc, Dissolved	ND	0.0050	0.0021	U



Form 1 METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: WG2085346-4	Date Collected	: 06/19/25 11:10
Client ID	: MW-4SDUP	Date Received	: 06/19/25
Sample Location	:	Date Analyzed	: 07/01/25 11:37
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 19,200.7	Analyst	: DMC
Lab File ID	: WG2085564.csv	Instrument ID	: TRACE5
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 06/30/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Dissolved	ND	0.100	0.032	U
7440-36-0	Antimony, Dissolved	0.0125	0.0500	0.007	J
7440-38-2	Arsenic, Dissolved	ND	0.0050	0.002	U
7440-39-3	Barium, Dissolved	0.0236	0.0100	0.002	
7440-41-7	Beryllium, Dissolved	ND	0.0050	0.001	U
7440-43-9	Cadmium, Dissolved	ND	0.0050	0.001	U
7440-70-2	Calcium, Dissolved	7.72	0.100	0.035	
7440-47-3	Chromium, Dissolved	ND	0.0100	0.002	U
7440-48-4	Cobalt, Dissolved	ND	0.0200	0.002	U
7440-50-8	Copper, Dissolved	ND	0.0100	0.002	U
7439-89-6	Iron, Dissolved	ND	0.0500	0.009	U
7439-92-1	Lead, Dissolved	ND	0.0100	0.003	U
7439-95-4	Magnesium, Dissolved	2.48	0.100	0.015	
7439-96-5	Manganese, Dissolved	ND	0.0100	0.002	U
7440-02-0	Nickel, Dissolved	ND	0.0250	0.002	U
7440-09-7	Potassium, Dissolved	1.28	2.50	0.237	J
7782-49-2	Selenium, Dissolved	ND	0.0100	0.004	U
7440-22-4	Silver, Dissolved	ND	0.0070	0.003	U
7440-23-5	Sodium, Dissolved	38.3	2.00	0.120	
7440-28-0	Thallium, Dissolved	ND	0.0200	0.003	U
7440-62-2	Vanadium, Dissolved	ND	0.0100	0.002	U
7440-66-6	Zinc, Dissolved	ND	0.0050	0.002	U



Form 1

METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: WG2085346-6	Date Collected	:
Client ID	: Serial Dilution	Date Received	:
Sample Location	:	Date Analyzed	: 07/01/25 11:50
Sample Matrix	: WATER	Dilution Factor	: 5
Analytical Method	: 19,200.7	Analyst	: DMC
Lab File ID	: WG2085564.csv	Instrument ID	: TRACE5
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 06/30/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7440-70-2	Calcium, Dissolved	7.26	0.500	0.175	

Form 1 METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: WG2085346-8	Date Collected	: 06/19/25 11:05
Client ID	: MW-4D2DUP	Date Received	: 06/19/25
Sample Location	:	Date Analyzed	: 07/01/25 12:56
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 19,200.7	Analyst	: DMC
Lab File ID	: WG2085564.csv	Instrument ID	: TRACE5
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 06/30/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Dissolved	ND	0.100	0.032	U
7440-36-0	Antimony, Dissolved	0.0133	0.0500	0.007	J
7440-38-2	Arsenic, Dissolved	ND	0.0050	0.002	U
7440-39-3	Barium, Dissolved	0.0151	0.0100	0.002	
7440-41-7	Beryllium, Dissolved	ND	0.0050	0.001	U
7440-43-9	Cadmium, Dissolved	ND	0.0050	0.001	U
7440-70-2	Calcium, Dissolved	11.3	0.100	0.035	
7440-47-3	Chromium, Dissolved	0.0026	0.0100	0.002	J
7440-48-4	Cobalt, Dissolved	ND	0.0200	0.002	U
7440-50-8	Copper, Dissolved	ND	0.0100	0.002	U
7439-89-6	Iron, Dissolved	ND	0.0500	0.009	U
7439-92-1	Lead, Dissolved	ND	0.0100	0.003	U
7439-95-4	Magnesium, Dissolved	5.42	0.100	0.015	
7439-96-5	Manganese, Dissolved	ND	0.0100	0.002	U
7440-02-0	Nickel, Dissolved	ND	0.0250	0.002	U
7440-09-7	Potassium, Dissolved	1.01	2.50	0.237	J
7782-49-2	Selenium, Dissolved	ND	0.0100	0.004	U
7440-22-4	Silver, Dissolved	ND	0.0070	0.003	U
7440-23-5	Sodium, Dissolved	8.26	2.00	0.120	
7440-28-0	Thallium, Dissolved	ND	0.0200	0.003	U
7440-62-2	Vanadium, Dissolved	ND	0.0100	0.002	U
7440-66-6	Zinc, Dissolved	0.0037	0.0050	0.002	J



Form 1 METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: WG2085346-10	Date Collected	:
Client ID	: Serial Dilution	Date Received	:
Sample Location	:	Date Analyzed	: 07/01/25 13:08
Sample Matrix	: WATER	Dilution Factor	: 5
Analytical Method	: 19,200.7	Analyst	: DMC
Lab File ID	: WG2085564.csv	Instrument ID	: TRACE5
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 06/30/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7440-70-2	Calcium, Dissolved	11.0	0.500	0.175	
7439-95-4	Magnesium, Dissolved	5.27	0.500	0.077	



Form 1 METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-01	Date Collected	: 06/19/25 11:10
Client ID	: MW-4S	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 07/01/25 17:10
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 19,200.7	Analyst	: JMF
Lab File ID	: WG2085790.pdf	Instrument ID	: TRACE6
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 06/30/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Total	ND	0.100	0.0318	U
7440-36-0	Antimony, Total	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Total	ND	0.0050	0.0019	U
7440-39-3	Barium, Total	0.0268	0.0100	0.0021	
7440-41-7	Beryllium, Total	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Total	ND	0.0050	0.0010	U
7440-70-2	Calcium, Total	7.67	0.100	0.0350	
7440-47-3	Chromium, Total	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Total	ND	0.0200	0.0017	U
7440-50-8	Copper, Total	ND	0.0100	0.0022	U
7439-89-6	Iron, Total	ND	0.0500	0.0090	U
7439-92-1	Lead, Total	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Total	2.67	0.100	0.0153	
7439-96-5	Manganese, Total	0.0018	0.0100	0.0016	J
7440-02-0	Nickel, Total	ND	0.0250	0.0024	U
7440-09-7	Potassium, Total	1.36	2.50	0.237	J
7782-49-2	Selenium, Total	ND	0.0100	0.0035	U
7440-22-4	Silver, Total	ND	0.0070	0.0028	U
7440-23-5	Sodium, Total	42.8	2.00	0.120	
7440-28-0	Thallium, Total	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Total	ND	0.0100	0.0020	U
7440-66-6	Zinc, Total	ND	0.0050	0.0021	U



Form 1 METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-02	Date Collected	: 06/19/25 11:05
Client ID	: MW-4D2	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 07/01/25 16:37
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 19,200.7	Analyst	: JMF
Lab File ID	: WG2085790.pdf	Instrument ID	: TRACE6
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 06/30/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Total	0.0519	0.100	0.0318	J
7440-36-0	Antimony, Total	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Total	ND	0.0050	0.0019	U
7440-39-3	Barium, Total	0.0181	0.0100	0.0021	
7440-41-7	Beryllium, Total	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Total	ND	0.0050	0.0010	U
7440-70-2	Calcium, Total	11.9	0.100	0.0350	
7440-47-3	Chromium, Total	0.0030	0.0100	0.0021	J
7440-48-4	Cobalt, Total	ND	0.0200	0.0017	U
7440-50-8	Copper, Total	ND	0.0100	0.0022	U
7439-89-6	Iron, Total	0.0548	0.0500	0.0090	
7439-92-1	Lead, Total	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Total	5.72	0.100	0.0153	
7439-96-5	Manganese, Total	0.0027	0.0100	0.0016	J
7440-02-0	Nickel, Total	ND	0.0250	0.0024	U
7440-09-7	Potassium, Total	1.06	2.50	0.237	J
7782-49-2	Selenium, Total	ND	0.0100	0.0035	U
7440-22-4	Silver, Total	ND	0.0070	0.0028	U
7440-23-5	Sodium, Total	9.64	2.00	0.120	
7440-28-0	Thallium, Total	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Total	ND	0.0100	0.0020	U
7440-66-6	Zinc, Total	0.0050	0.0050	0.0021	



Form 1 METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-03	Date Collected	: 06/19/25 10:00
Client ID	: SCDOH-DR	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 07/01/25 16:43
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 19,200.7	Analyst	: JMF
Lab File ID	: WG2085790.pdf	Instrument ID	: TRACE6
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 06/30/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Total	ND	0.100	0.0318	U
7440-36-0	Antimony, Total	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Total	ND	0.0050	0.0019	U
7440-39-3	Barium, Total	0.0211	0.0100	0.0021	
7440-41-7	Beryllium, Total	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Total	ND	0.0050	0.0010	U
7440-70-2	Calcium, Total	15.2	0.100	0.0350	
7440-47-3	Chromium, Total	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Total	ND	0.0200	0.0017	U
7440-50-8	Copper, Total	ND	0.0100	0.0022	U
7439-89-6	Iron, Total	0.181	0.0500	0.0090	
7439-92-1	Lead, Total	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Total	6.84	0.100	0.0153	
7439-96-5	Manganese, Total	0.102	0.0100	0.0016	
7440-02-0	Nickel, Total	ND	0.0250	0.0024	U
7440-09-7	Potassium, Total	1.83	2.50	0.237	J
7782-49-2	Selenium, Total	ND	0.0100	0.0035	U
7440-22-4	Silver, Total	ND	0.0070	0.0028	U
7440-23-5	Sodium, Total	28.7	2.00	0.120	
7440-28-0	Thallium, Total	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Total	ND	0.0100	0.0020	U
7440-66-6	Zinc, Total	ND	0.0050	0.0021	U



Form 1 METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-04	Date Collected	: 06/19/25 08:38
Client ID	: MW-10S	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 07/01/25 16:50
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 19,200.7	Analyst	: JMF
Lab File ID	: WG2085790.pdf	Instrument ID	: TRACE6
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 06/30/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Total	0.0733	0.100	0.0318	J
7440-36-0	Antimony, Total	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Total	ND	0.0050	0.0019	U
7440-39-3	Barium, Total	0.0512	0.0100	0.0021	
7440-41-7	Beryllium, Total	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Total	ND	0.0050	0.0010	U
7440-70-2	Calcium, Total	9.64	0.100	0.0350	
7440-47-3	Chromium, Total	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Total	ND	0.0200	0.0017	U
7440-50-8	Copper, Total	ND	0.0100	0.0022	U
7439-89-6	Iron, Total	0.117	0.0500	0.0090	
7439-92-1	Lead, Total	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Total	4.37	0.100	0.0153	
7439-96-5	Manganese, Total	0.0110	0.0100	0.0016	
7440-02-0	Nickel, Total	ND	0.0250	0.0024	U
7440-09-7	Potassium, Total	1.29	2.50	0.237	J
7782-49-2	Selenium, Total	ND	0.0100	0.0035	U
7440-22-4	Silver, Total	ND	0.0070	0.0028	U
7440-23-5	Sodium, Total	5.69	2.00	0.120	
7440-28-0	Thallium, Total	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Total	ND	0.0100	0.0020	U
7440-66-6	Zinc, Total	0.0037	0.0050	0.0021	J



Form 1 METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-05	Date Collected	: 06/19/25 08:50
Client ID	: MW-10D	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 07/01/25 16:57
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 19,200.7	Analyst	: JMF
Lab File ID	: WG2085790.pdf	Instrument ID	: TRACE6
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 06/30/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Total	0.0433	0.100	0.0318	J
7440-36-0	Antimony, Total	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Total	ND	0.0050	0.0019	U
7440-39-3	Barium, Total	0.0082	0.0100	0.0021	J
7440-41-7	Beryllium, Total	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Total	ND	0.0050	0.0010	U
7440-70-2	Calcium, Total	20.0	0.100	0.0350	
7440-47-3	Chromium, Total	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Total	ND	0.0200	0.0017	U
7440-50-8	Copper, Total	ND	0.0100	0.0022	U
7439-89-6	Iron, Total	0.113	0.0500	0.0090	
7439-92-1	Lead, Total	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Total	2.70	0.100	0.0153	
7439-96-5	Manganese, Total	0.0275	0.0100	0.0016	
7440-02-0	Nickel, Total	ND	0.0250	0.0024	U
7440-09-7	Potassium, Total	1.07	2.50	0.237	J
7782-49-2	Selenium, Total	ND	0.0100	0.0035	U
7440-22-4	Silver, Total	ND	0.0070	0.0028	U
7440-23-5	Sodium, Total	7.59	2.00	0.120	
7440-28-0	Thallium, Total	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Total	ND	0.0100	0.0020	U
7440-66-6	Zinc, Total	ND	0.0050	0.0021	U



Form 1 METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-06	Date Collected	: 06/19/25 12:00
Client ID	: EQUIPMENT BLANK	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 07/01/25 17:03
Sample Matrix	: Equipment Blank	Dilution Factor	: 1
Analytical Method	: 19,200.7	Analyst	: JMF
Lab File ID	: WG2085790.pdf	Instrument ID	: TRACE6
Sample Amount	: 50ml	%Solids	: N/A
Digestion Method	: EPA 3005A	Date Digested	: 06/30/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7429-90-5	Aluminum, Total	ND	0.100	0.0318	U
7440-36-0	Antimony, Total	ND	0.0500	0.0071	U
7440-38-2	Arsenic, Total	ND	0.0050	0.0019	U
7440-39-3	Barium, Total	ND	0.0100	0.0021	U
7440-41-7	Beryllium, Total	ND	0.0050	0.0009	U
7440-43-9	Cadmium, Total	ND	0.0050	0.0010	U
7440-70-2	Calcium, Total	ND	0.100	0.0350	U
7440-47-3	Chromium, Total	ND	0.0100	0.0021	U
7440-48-4	Cobalt, Total	ND	0.0200	0.0017	U
7440-50-8	Copper, Total	ND	0.0100	0.0022	U
7439-89-6	Iron, Total	ND	0.0500	0.0090	U
7439-92-1	Lead, Total	ND	0.0100	0.0027	U
7439-95-4	Magnesium, Total	ND	0.100	0.0153	U
7439-96-5	Manganese, Total	ND	0.0100	0.0016	U
7440-02-0	Nickel, Total	ND	0.0250	0.0024	U
7440-09-7	Potassium, Total	ND	2.50	0.237	U
7782-49-2	Selenium, Total	ND	0.0100	0.0035	U
7440-22-4	Silver, Total	ND	0.0070	0.0028	U
7440-23-5	Sodium, Total	ND	2.00	0.120	U
7440-28-0	Thallium, Total	ND	0.0200	0.0025	U
7440-62-2	Vanadium, Total	ND	0.0100	0.0020	U
7440-66-6	Zinc, Total	ND	0.0050	0.0021	U



Form 2A

Initial and Continuing Calibration Verification

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM GROUNDWATER EVENT
 Instrument ID : TRACE9

Lab Number : L2538805
 Project Number : 2232.0006Y005
 Units : mg/l

Parameter	Initial Calibration			Continuing Calibration(s)						
	True	Found	%R	True	Found	%R	Found	%R	Found	%R
Aluminum	0.500	0.4790	96							
Antimony	0.500	0.4970	99							
Arsenic	0.500	0.4820	96							
Barium	0.500	0.4940	99							
Beryllium	0.500	0.4990	100							
Cadmium	0.500	0.4780	96							
Calcium	0.500	0.4850	97							
Chromium	0.500	0.4890	98							
Cobalt	0.500	0.4940	99							
Copper	0.500	0.5030	101							
Iron	0.500	0.5000	100							
Lead	0.500	0.5090	102							
Magnesium	0.500	0.4900	98							
Manganese	0.500	0.5000	100							
Nickel	0.500	0.4990	100							
Potassium	5.00	5.1200	102							
Selenium	0.500	0.4890	98							
Silver	0.500	0.5020	100							
Sodium	10.0	10.1000	101							
Thallium	0.500	0.5150	103							
Vanadium	0.500	0.4970	99							
Zinc	0.500	0.4880	98							

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)
	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)
	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)
	85-115%	(Method 200.8)
	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)
	76-113%	(Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM GROUNDWATER EVENT
 Instrument ID : TRACE9

Lab Number : L2538805
 Project Number : 2232.0006Y005
 Units : mg/l

Parameter	Initial Calibration			Continuing Calibration(s)							
	Lab ID	: R1982797-3		R1982797-6			R1982797-8		R1982797-10		
	Date Analyzed:	06/30/25 06:22		06/30/25 07:54			06/30/25 08:49		06/30/25 09:08		
	True	Found	%R	True	Found	%R	Found	%R	Found	%R	
Aluminum	0.500	0.4790	96	0.5000	0.464	93	0.462	92	0.467	93	
Antimony	0.500	0.4910	98	0.5000	0.497	99	0.494	99	0.491	98	
Arsenic	0.500	0.4840	97	0.5000	0.484	97	0.479	96	0.480	96	
Barium	0.500	0.4920	98	0.5000	0.484	97	0.490	98	0.492	98	
Beryllium	0.500	0.4990	100	0.5000	0.501	100	0.498	100	0.498	100	
Cadmium	0.500	0.4760	95	0.5000	0.485	97	0.467	93	0.470	94	
Calcium	0.500	0.4870	97	0.5000	0.501	100	0.484	97	0.483	97	
Chromium	0.500	0.4880	98	0.5000	0.492	98	0.477	95	0.479	96	
Cobalt	0.500	0.4900	98	0.5000	0.488	98	0.475	95	0.478	96	
Copper	0.500	0.4960	99	0.5000	0.491	98	0.486	97	0.490	98	
Iron	0.500	0.5040	101	0.5000	0.505	101	0.499	100	0.497	99	
Lead	0.500	0.5070	101	0.5000	0.511	102	0.503	101	0.506	101	
Magnesium	0.500	0.4880	98	0.5000	0.494	99	0.474	95	0.476	95	
Manganese	0.500	0.5000	100	0.5000	0.505	101	0.489	98	0.491	98	
Nickel	0.500	0.4980	100	0.5000	0.504	101	0.484	97	0.485	97	
Potassium	5.00	5.0500	101	5.0000	4.82	96	5.00	100	5.02	100	
Selenium	0.500	0.4870	97	0.5000	0.489	98	0.481	96	0.486	97	
Silver	0.500	0.4970	99	0.5000	0.497	99	0.487	97	0.490	98	
Sodium	10.0	9.7900	98	10.0000	9.41	94	9.63	96	9.82	98	
Thallium	0.500	0.5150	103	0.5000	0.513	103	0.508	102	0.514	103	
Vanadium	0.500	0.4930	99	0.5000	0.492	98	0.484	97	0.488	98	
Zinc	0.500	0.4880	98	0.5000	0.500	100	0.476	95	0.477	95	

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)
	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)
	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)
	85-115%	(Method 200.8)
	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)
	76-113%	(Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM GROUNDWATER EVENT
 Instrument ID : TRACE9

Lab Number : L2538805
 Project Number : 2232.0006Y005
 Units : mg/l

Parameter	Lab ID : Date Analyzed :	Initial Calibration			Continuing Calibration(s)						
		True	Found	%R	R1982797-12 06/30/25 10:25			R1982797-14 06/30/25 10:57		R1982797-16 06/30/25 12:49	
					True	Found	%R	Found	%R	Found	%R
Aluminum					0.5000	0.468	94	0.470	94	0.486	97
Antimony					0.5000	0.490	98	0.489	98	0.503	101
Arsenic					0.5000	0.484	97	0.482	96	0.494	99
Barium					0.5000	0.494	99	0.492	98	0.504	101
Beryllium					0.5000	0.502	100	0.499	100	0.503	101
Cadmium					0.5000	0.474	95	0.470	94	0.473	95
Calcium					0.5000	0.490	98	0.487	97	0.492	98
Chromium					0.5000	0.481	96	0.481	96	0.485	97
Cobalt					0.5000	0.481	96	0.479	96	0.486	97
Copper					0.5000	0.492	98	0.494	99	0.504	101
Iron					0.5000	0.499	100	0.497	99	0.508	102
Lead					0.5000	0.510	102	0.511	102	0.514	103
Magnesium					0.5000	0.479	96	0.479	96	0.486	97
Manganese					0.5000	0.494	99	0.492	98	0.500	100
Nickel					0.5000	0.487	97	0.488	98	0.493	99
Potassium					5.0000	5.03	101	5.04	101	5.35	107
Selenium					0.5000	0.487	97	0.484	97	0.499	100
Silver					0.5000	0.492	98	0.492	98	0.503	101
Sodium					10.0000	9.75	98	9.86	99	10.3	103
Thallium					0.5000	0.515	103	0.513	103	0.523	105
Vanadium					0.5000	0.488	98	0.487	97	0.493	99
Zinc					0.5000	0.481	96	0.480	96	0.482	96

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)
	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)
	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)
	85-115%	(Method 200.8)
	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)
	76-113%	(Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM GROUNDWATER EVENT
 Instrument ID : TRACE9

Lab Number : L2538805
 Project Number : 2232.0006Y005
 Units : mg/l

Parameter	Lab ID : Date Analyzed :	Initial Calibration			Continuing Calibration(s)						
		True	Found	%R	R1982797-18 06/30/25 13:28			R1982797-20 06/30/25 14:22		R1982797-22 06/30/25 15:56	
					True	Found	%R	Found	%R	Found	%R
Aluminum					0.5000	0.483	97	0.480	96	0.480	96
Antimony					0.5000	0.508	102	0.503	101	0.500	100
Arsenic					0.5000	0.491	98	0.493	99	0.490	98
Barium					0.5000	0.509	102	0.511	102	0.508	102
Beryllium					0.5000	0.505	101	0.501	100	0.500	100
Cadmium					0.5000	0.476	95	0.462	92	0.461	92
Calcium					0.5000	0.495	99	0.487	97	0.491	98
Chromium					0.5000	0.492	98	0.481	96	0.481	96
Cobalt					0.5000	0.488	98	0.478	96	0.480	96
Copper					0.5000	0.508	102	0.505	101	0.503	101
Iron					0.5000	0.511	102	0.512	102	0.514	103
Lead					0.5000	0.514	103	0.516	103	0.521	104
Magnesium					0.5000	0.491	98	0.483	97	0.482	96
Manganese					0.5000	0.504	101	0.497	99	0.498	100
Nickel					0.5000	0.504	101	0.491	98	0.491	98
Potassium					5.0000	5.36	107	5.38	108	5.33	107
Selenium					0.5000	0.499	100	0.500	100	0.498	100
Silver					0.5000	0.506	101	0.500	100	0.498	100
Sodium					10.0000	10.4	104	10.5	105	10.3	103
Thallium					0.5000	0.520	104	0.524	105	0.523	105
Vanadium					0.5000	0.498	100	0.491	98	0.492	98
Zinc					0.5000	0.489	98	0.472	94	0.471	94

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)
	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)
	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)
	85-115%	(Method 200.8)
	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)
	76-113%	(Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM GROUNDWATER EVENT
 Instrument ID : TRACE9

Lab Number : L2538805
 Project Number : 2232.0006Y005
 Units : mg/l

Parameter	Initial Calibration			Continuing Calibration(s)						
	True	Found	%R	True	Found	%R	Found	%R	Found	%R
Aluminum				0.5000	0.480	96				
Antimony				0.5000	0.508	102				
Arsenic				0.5000	0.489	98				
Barium				0.5000	0.504	101				
Beryllium				0.5000	0.496	99				
Cadmium				0.5000	0.459	92				
Calcium				0.5000	0.482	96				
Chromium				0.5000	0.476	95				
Cobalt				0.5000	0.474	95				
Copper				0.5000	0.502	100				
Iron				0.5000	0.493	99				
Lead				0.5000	0.508	102				
Magnesium				0.5000	0.478	96				
Manganese				0.5000	0.490	98				
Nickel				0.5000	0.484	97				
Potassium				5.0000	5.38	108				
Selenium				0.5000	0.497	99				
Silver				0.5000	0.497	99				
Sodium				10.0000	10.5	105				
Thallium				0.5000	0.517	103				
Vanadium				0.5000	0.486	97				
Zinc				0.5000	0.469	94				

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)
	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)
	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)
	85-115%	(Method 200.8)
	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)
	76-113%	(Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : Roux Env. Eng. & Geology, DPC Lab Number : L2538805
 Project Name : CORAM GROUNDWATER EVENT Project Number : 2232.0006Y005
 Instrument ID : TRACE5 Units : mg/l

Parameter	Lab ID : Date Analyzed :	Initial Calibration			Continuing Calibration(s)						
		True	Found	%R	True	Found	%R	Found	%R	Found	%R
Aluminum		0.500	0.4750	95							
Antimony		0.500	0.4980	100							
Sodium		10.0	9.7300	97							

Acceptance Criteria:

ICV: 95-105% (Methods 200.7, 245.1)
 90-110% (Methods 200.8, 6010, 6020, 7470, 7471, 7474)
 77-123% (Method 1631)
 76-113% (Method 245.7)

CCV: 90-110% (Methods 200.7, 245.1, 6010, 6020, 7474)
 85-115% (Method 200.8)
 80-120% (Methods 7470, 7471)
 77-123% (Method 1631)
 76-113% (Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : Roux Env. Eng. & Geology, DPC Lab Number : L2538805
 Project Name : CORAM GROUNDWATER EVENT Project Number : 2232.0006Y005
 Instrument ID : TRACE5 Units : mg/l

Parameter	Lab ID : Date Analyzed :	Initial Calibration			Continuing Calibration(s)						
		R1982839-3			R1982839-6			R1982839-8		R1982839-10	
		06/30/25 06:08			06/30/25 07:29			06/30/25 08:50		06/30/25 10:02	
		True	Found	%R	True	Found	%R	Found	%R	Found	%R
Aluminum		0.500	0.4840	97	0.5000	0.472	94	0.487	97	0.511	102
Antimony		0.500	0.4940	99	0.5000	0.503	101	0.505	101	0.510	102
Sodium		10.0	9.8100	98	10.0000	9.88	99	10.3	103	10.4	104

Acceptance Criteria:

ICV: 95-105% (Methods 200.7, 245.1)
 90-110% (Methods 200.8, 6010, 6020, 7470, 7471, 7474)
 77-123% (Method 1631)
 76-113% (Method 245.7)

CCV: 90-110% (Methods 200.7, 245.1, 6010, 6020, 7474)
 85-115% (Method 200.8)
 80-120% (Methods 7470, 7471)
 77-123% (Method 1631)
 76-113% (Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : Roux Env. Eng. & Geology, DPC Lab Number : L2538805
 Project Name : CORAM GROUNDWATER EVENT Project Number : 2232.0006Y005
 Instrument ID : TRACE5 Units : mg/l

Parameter	Lab ID : Date Analyzed :	Initial Calibration			Continuing Calibration(s)						
		True	Found	%R	R1982839-12 06/30/25 10:25			R1982839-14 06/30/25 12:39		R1982839-16 06/30/25 13:26	
					True	Found	%R	Found	%R	Found	%R
Aluminum					0.5000	0.472	94	0.470	94	0.490	98
Antimony					0.5000	0.510	102	0.519	104	0.524	105
Sodium					10.0000	10.1	101	9.99	100	10.4	104

Acceptance Criteria:

ICV: 95-105% (Methods 200.7, 245.1)
 90-110% (Methods 200.8, 6010, 6020, 7470, 7471, 7474)
 77-123% (Method 1631)
 76-113% (Method 245.7)

CCV: 90-110% (Methods 200.7, 245.1, 6010, 6020, 7474)
 85-115% (Method 200.8)
 80-120% (Methods 7470, 7471)
 77-123% (Method 1631)
 76-113% (Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : Roux Env. Eng. & Geology, DPC Lab Number : L2538805
 Project Name : CORAM GROUNDWATER EVENT Project Number : 2232.0006Y005
 Instrument ID : TRACE5 Units : mg/l

Parameter	Lab ID : Date Analyzed :	Initial Calibration			Continuing Calibration(s)						
		True	Found	%R	R1982839-18			R1982839-20		R1982839-22	
					06/30/25 15:39			06/30/25 16:47		06/30/25 18:10	
					True	Found	%R	Found	%R	Found	%R
Aluminum					0.5000	0.489	98	0.485	97	0.489	98
Antimony					0.5000	0.520	104	0.532	106	0.538	108
Sodium					10.0000	10.3	103	10.2	102	10.3	103

Acceptance Criteria:

ICV: 95-105% (Methods 200.7, 245.1)
 90-110% (Methods 200.8, 6010, 6020, 7470, 7471, 7474)
 77-123% (Method 1631)
 76-113% (Method 245.7)

CCV: 90-110% (Methods 200.7, 245.1, 6010, 6020, 7474)
 85-115% (Method 200.8)
 80-120% (Methods 7470, 7471)
 77-123% (Method 1631)
 76-113% (Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM GROUNDWATER EVENT
 Instrument ID : TRACE5

Lab Number : L2538805
 Project Number : 2232.0006Y005
 Units : mg/l

Parameter	Initial Calibration			Continuing Calibration(s)						
	True	Found	%R	True	Found	%R	Found	%R	Found	%R
Aluminum	0.500	0.5030	101							
Antimony	0.500	0.5000	100							
Arsenic	0.500	0.4750	95							
Barium	0.500	0.5020	100							
Beryllium	0.500	0.5110	102							
Cadmium	0.500	0.4950	99							
Calcium	0.500	0.5150	103							
Chromium	0.500	0.5100	102							
Cobalt	0.500	0.5010	100							
Copper	0.500	0.5050	101							
Iron	0.500	0.5240	105							
Lead	0.500	0.5050	101							
Magnesium	0.500	0.5130	103							
Manganese	0.500	0.5200	104							
Nickel	0.500	0.5050	101							
Potassium	5.00	5.2000	104							
Selenium	0.500	0.4860	97							
Silver	0.500	0.5100	102							
Sodium	10.0	10.0000	100							
Thallium	0.500	0.5110	102							
Vanadium	0.500	0.5080	102							
Zinc	0.500	0.5010	100							

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)
	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)
	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)
	85-115%	(Method 200.8)
	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)
	76-113%	(Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM GROUNDWATER EVENT
 Instrument ID : TRACE5

Lab Number : L2538805
 Project Number : 2232.0006Y005
 Units : mg/l

Parameter	Initial Calibration			Continuing Calibration(s)						
	Lab ID	: R1983251-3		R1983251-6			R1983251-8		R1983251-10	
	Date Analyzed:	07/01/25 06:19		07/01/25 08:28			07/01/25 09:25		07/01/25 11:56	
	True	Found	%R	True	Found	%R	Found	%R	Found	%R
Aluminum	0.500	0.5070	101	0.5000	0.507	101	0.497	99	0.498	100
Antimony	0.500	0.4970	99	0.5000	0.507	101	0.520	104	0.526	105
Arsenic	0.500	0.4740	95	0.5000	0.488	98	0.480	96	0.483	97
Barium	0.500	0.5110	102	0.5000	0.511	102	0.504	101	0.506	101
Beryllium	0.500	0.5160	103	0.5000	0.535	107	0.519	104	0.518	104
Cadmium	0.500	0.4900	98	0.5000	0.487	97	0.490	98	0.492	98
Calcium	0.500	0.5240	105	0.5000	0.523	105	0.526	105	0.512	102
Chromium	0.500	0.5060	101	0.5000	0.501	100	0.506	101	0.506	101
Cobalt	0.500	0.4970	99	0.5000	0.496	99	0.501	100	0.502	100
Copper	0.500	0.5040	101	0.5000	0.506	101	0.510	102	0.510	102
Iron	0.500	0.5210	104	0.5000	0.491	98	0.502	100	0.487	97
Lead	0.500	0.5020	100	0.5000	0.518	104	0.508	102	0.510	102
Magnesium	0.500	0.5140	103	0.5000	0.531	106	0.527	105	0.525	105
Manganese	0.500	0.5240	105	0.5000	0.529	106	0.521	104	0.524	105
Nickel	0.500	0.5020	100	0.5000	0.515	103	0.506	101	0.510	102
Potassium	5.00	5.3200	106	5.0000	5.38	108	5.41	108	5.42	108
Selenium	0.500	0.4860	97	0.5000	0.510	102	0.495	99	0.495	99
Silver	0.500	0.5180	104	0.5000	0.519	104	0.526	105	0.533	107
Sodium	10.0	10.3000	103	10.0000	10.7	107	10.4	104	10.5	105
Thallium	0.500	0.5120	102	0.5000	0.545	109	0.519	104	0.523	105
Vanadium	0.500	0.5070	101	0.5000	0.514	103	0.512	102	0.511	102
Zinc	0.500	0.4970	99	0.5000	0.499	100	0.497	99	0.501	100

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)
	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)
	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)
	85-115%	(Method 200.8)
	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)
	76-113%	(Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM GROUNDWATER EVENT
 Instrument ID : TRACE5

Lab Number : L2538805
 Project Number : 2232.0006Y005
 Units : mg/l

Parameter	Lab ID : Date Analyzed :	Initial Calibration			Continuing Calibration(s)						
		True	Found	%R	R1983251-12 07/01/25 13:15			R1983251-14 07/01/25 14:25			
					True	Found	%R	Found	%R	Found	%R
Aluminum					0.5000	0.495	99	0.510	102		
Antimony					0.5000	0.525	105	0.531	106		
Arsenic					0.5000	0.482	96	0.483	97		
Barium					0.5000	0.499	100	0.517	103		
Beryllium					0.5000	0.510	102	0.522	104		
Cadmium					0.5000	0.488	98	0.490	98		
Calcium					0.5000	0.498	100	0.512	102		
Chromium					0.5000	0.502	100	0.502	100		
Cobalt					0.5000	0.499	100	0.502	100		
Copper					0.5000	0.507	101	0.510	102		
Iron					0.5000	0.472	94	0.484	97		
Lead					0.5000	0.507	101	0.506	101		
Magnesium					0.5000	0.523	105	0.521	104		
Manganese					0.5000	0.514	103	0.530	106		
Nickel					0.5000	0.507	101	0.506	101		
Potassium					5.0000	5.36	107	5.13	103		
Selenium					0.5000	0.492	98	0.492	98		
Silver					0.5000	0.532	106	0.543	109		
Sodium					10.0000	10.4	104	10.7	107		
Thallium					0.5000	0.524	105	0.515	103		
Vanadium					0.5000	0.508	102	0.508	102		
Zinc					0.5000	0.497	99	0.498	100		

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)
	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)
	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)
	85-115%	(Method 200.8)
	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)
	76-113%	(Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM GROUNDWATER EVENT
 Instrument ID : TRACE6

Lab Number : L2538805
 Project Number : 2232.0006Y005
 Units : mg/l

Parameter	Initial Calibration			Continuing Calibration(s)						
	True	Found	%R	True	Found	%R	Found	%R	Found	%R
Aluminum	0.500	0.4850	97							
Antimony	0.500	0.4730	95							
Arsenic	0.500	0.4850	97							
Barium	0.500	0.4820	96							
Beryllium	0.500	0.4880	98							
Cadmium	0.500	0.5060	101							
Calcium	0.500	0.4910	98							
Chromium	0.500	0.5050	101							
Cobalt	0.500	0.5150	103							
Copper	0.500	0.4920	98							
Iron	0.500	0.4940	99							
Lead	0.500	0.4890	98							
Magnesium	0.500	0.5140	103							
Manganese	0.500	0.4960	99							
Nickel	0.500	0.4800	96							
Potassium	5.00	5.1200	102							
Selenium	0.500	0.4980	100							
Silver	0.500	0.5020	100							
Sodium	10.0	9.7700	98							
Thallium	0.500	0.5020	100							
Vanadium	0.500	0.5060	101							
Zinc	0.500	0.5100	102							

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)
	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)
	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)
	85-115%	(Method 200.8)
	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)
	76-113%	(Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM GROUNDWATER EVENT
 Instrument ID : TRACE6

Lab Number : L2538805
 Project Number : 2232.0006Y005
 Units : mg/l

Parameter	Initial Calibration			Continuing Calibration(s)						
	Lab ID	: R1983476-3		R1983476-6			R1983476-8		R1983476-10	
	Date Analyzed:	07/01/25 13:10		07/01/25 15:13			07/01/25 15:36		07/01/25 17:32	
	True	Found	%R	True	Found	%R	Found	%R	Found	%R
Aluminum	0.500	0.5140	103	0.5000	0.511	102	0.526	105	0.521	104
Antimony	0.500	0.4670	93	0.5000	0.466	93	0.466	93	0.467	93
Arsenic	0.500	0.4960	99	0.5000	0.501	100	0.510	102	0.512	102
Barium	0.500	0.5140	103	0.5000	0.514	103	0.528	106	0.527	105
Beryllium	0.500	0.5030	101	0.5000	0.505	101	0.511	102	0.505	101
Cadmium	0.500	0.5100	102	0.5000	0.503	101	0.498	100	0.501	100
Calcium	0.500	0.4970	99	0.5000	0.489	98	0.489	98	0.476	95
Chromium	0.500	0.4970	99	0.5000	0.489	98	0.481	96	0.479	96
Cobalt	0.500	0.5140	103	0.5000	0.509	102	0.505	101	0.509	102
Copper	0.500	0.4980	100	0.5000	0.501	100	0.506	101	0.507	101
Iron	0.500	0.5120	102	0.5000	0.509	102	0.513	103	0.502	100
Lead	0.500	0.4830	97	0.5000	0.479	96	0.477	95	0.478	96
Magnesium	0.500	0.5180	104	0.5000	0.519	104	0.519	104	0.518	104
Manganese	0.500	0.5110	102	0.5000	0.510	102	0.516	103	0.508	102
Nickel	0.500	0.4780	96	0.5000	0.479	96	0.480	96	0.481	96
Potassium	5.00	5.4300	109	5.0000	5.32	106	5.51	110	5.44	109
Selenium	0.500	0.4940	99	0.5000	0.499	100	0.501	100	0.503	101
Silver	0.500	0.5060	101	0.5000	0.505	101	0.507	101	0.508	102
Sodium	10.0	10.4000	104	10.0000	10.0	100	10.3	103	10.3	103
Thallium	0.500	0.5010	100	0.5000	0.501	100	0.501	100	0.504	101
Vanadium	0.500	0.5140	103	0.5000	0.517	103	0.520	104	0.520	104
Zinc	0.500	0.5030	101	0.5000	0.497	99	0.494	99	0.495	99

Acceptance Criteria:

ICV:	95-105%	(Methods 200.7, 245.1)
	90-110%	(Methods 200.8, 6010, 6020, 7470, 7471, 7474)
	77-123%	(Method 1631)
	76-113%	(Method 245.7)
CCV:	90-110%	(Methods 200.7, 245.1, 6010, 6020, 7474)
	85-115%	(Method 200.8)
	80-120%	(Methods 7470, 7471)
	77-123%	(Method 1631)
	76-113%	(Method 245.7)



Form 3 Blanks

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM GROUNDWATER EVENT
Instrument ID : TRACE9

Lab Number : L2538805
Project Number : 2232.0006Y005

Parameter	Initial Calibration		Continuing Calibration				Preparation	
	Blank		Blank(s)				Blank	
	Lab ID	Date Analyzed	R1982797-2	R1982797-7	R1982797-9	R1982797-11	WG2085201-1	
			06/30/25 06:00	06/30/25 07:57	06/30/25 08:52	06/30/25 09:11	06/30/25 16:13	
	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q
Aluminum	0.0318	U	0.0318	U	0.0318	U	0.0318	U
Antimony	0.00710	U	0.00710	U	0.00710	U	0.0071	U
Arsenic	0.00190	U	0.00190	U	0.00190	U	0.0019	U
Barium	0.00210	U	0.00210	U	0.00210	U	0.0021	U
Beryllium	0.000900	U	0.000900	U	0.000900	U	0.0009	U
Cadmium	0.00100	U	0.00100	U	0.00100	U	0.0010	U
Calcium	0.0350	U	0.0350	U	0.0350	U	0.0350	U
Chromium	0.00210	U	0.00210	U	0.00210	U	0.0021	U
Cobalt	0.00170	U	0.00170	U	0.00170	U	0.0017	U
Copper	0.00220	U	0.00220	U	0.00220	U	0.0022	U
Iron	0.00900	U	0.00900	U	0.00900	U	0.0090	U
Lead	0.00270	U	0.00270	U	0.00270	U	0.0027	U
Magnesium	0.0153	U	0.0153	U	0.0153	U	0.0153	U
Manganese	0.00160	U	0.00160	U	0.00160	U	0.0016	U
Nickel	0.00240	U	0.00240	U	0.00240	U	0.0024	U
Potassium	0.237	U	0.237	U	0.237	U	0.237	U
Selenium	0.00350	U	0.00350	U	0.00350	U	0.0035	U
Silver	0.00280	U	0.00280	U	0.00280	U	0.0028	U
Sodium	0.120	U	0.120	U	0.120	U	0.120	U
Thallium	0.00250	U	0.00250	U	0.00250	U	0.0025	U
Vanadium	0.00200	U	0.00200	U	0.00200	U	0.0020	U
Zinc	0.00210	U	0.00210	U	0.00210	U	0.0021	U



Form 3 Blanks

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM GROUNDWATER EVENT
Instrument ID : TRACE9

Lab Number : L2538805
Project Number : 2232.0006Y005

Parameter	Initial Calibration Blank		Continuing Calibration Blank(s)				Preparation Blank	
	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q
Aluminum	0.0318	U	0.0318	U	0.0318	U	0.0318	U
Antimony	0.00710	U	0.00710	U	0.00710	U	0.00710	U
Arsenic	0.00190	U	0.00190	U	0.00190	U	0.00190	U
Barium	0.00210	U	0.00210	U	0.00210	U	0.00210	U
Beryllium	0.000900	U	0.000900	U	0.000900	U	0.000900	U
Cadmium	0.00100	U	0.00100	U	0.00100	U	0.00100	U
Calcium	0.0350	U	0.0350	U	0.0350	U	0.0350	U
Chromium	0.00210	U	0.00210	U	0.00210	U	0.00210	U
Cobalt	0.00170	U	0.00170	U	0.00170	U	0.00170	U
Copper	0.00220	U	0.00220	U	0.00220	U	0.00220	U
Iron	0.00900	U	0.00900	U	0.00900	U	0.00900	U
Lead	0.00270	U	0.00270	U	0.00270	U	0.00270	U
Magnesium	0.0153	U	0.0153	U	0.0153	U	0.0153	U
Manganese	0.00160	U	0.00160	U	0.00160	U	0.00160	U
Nickel	0.00240	U	0.00240	U	0.00240	U	0.00240	U
Potassium	0.237	U	0.237	U	0.237	U	0.237	U
Selenium	0.00350	U	0.00350	U	0.00350	U	0.00350	U
Silver	0.00280	U	0.00280	U	0.00280	U	0.00280	U
Sodium	0.120	U	0.120	U	0.120	U	0.120	U
Thallium	0.00250	U	0.00250	U	0.00250	U	0.00250	U
Vanadium	0.00200	U	0.00200	U	0.00200	U	0.00200	U
Zinc	0.00210	U	0.00210	U	0.00210	U	0.00210	U



Form 3 Blanks

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM GROUNDWATER EVENT
Instrument ID : TRACE9

Lab Number : L2538805
Project Number : 2232.0006Y005

Parameter	Initial Calibration Blank		Continuing Calibration Blank(s)				Preparation Blank	
	Lab ID : Date Analyzed :		R1982797-19 06/30/25 13:31		R1982797-21 06/30/25 14:25		R1982797-23 06/30/25 16:00	
	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q
Aluminum			0.0318	U	0.0318	U	0.0318	U
Antimony			0.00710	U	0.00710	U	0.00710	U
Arsenic			0.00190	U	0.00190	U	0.00190	U
Barium			0.00210	U	0.00210	U	0.00210	U
Beryllium			0.000900	U	0.000900	U	0.000900	U
Cadmium			0.00100	U	0.00100	U	0.00100	U
Calcium			0.0350	U	0.0350	U	0.0350	U
Chromium			0.00210	U	0.00210	U	0.00210	U
Cobalt			0.00170	U	0.00170	U	0.00170	U
Copper			0.00220	U	0.00220	U	0.00220	U
Iron			0.00900	U	0.00900	U	0.00900	U
Lead			0.00270	U	0.00270	U	0.00270	U
Magnesium			0.0153	U	0.0153	U	0.0153	U
Manganese			0.00160	U	0.00160	U	0.00160	U
Nickel			0.00240	U	0.00240	U	0.00240	U
Potassium			0.237	U	0.237	U	0.237	U
Selenium			0.00350	U	0.00350	U	0.00350	U
Silver			0.00280	U	0.00280	U	0.00280	U
Sodium			0.120	U	0.120	U	0.120	U
Thallium			0.00250	U	0.00250	U	0.00250	U
Vanadium			0.00200	U	0.00200	U	0.00200	U
Zinc			0.00210	U	0.00210	U	0.00210	U



Form 3 Blanks

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM GROUNDWATER EVENT
Instrument ID : TRACE9

Lab Number : L2538805
Project Number : 2232.0006Y005

Parameter	Initial Calibration Blank		Continuing Calibration Blank(s)				Preparation Blank	
	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q
Aluminum			0.0318	U				
Antimony			0.00710	U				
Arsenic			0.00190	U				
Barium			0.00210	U				
Beryllium			0.000900	U				
Cadmium			0.00100	U				
Calcium			0.0350	U				
Chromium			0.00210	U				
Cobalt			0.00170	U				
Copper			0.00220	U				
Iron			0.00900	U				
Lead			0.00270	U				
Magnesium			0.0153	U				
Manganese			0.00160	U				
Nickel			0.00240	U				
Potassium			0.237	U				
Selenium			0.00350	U				
Silver			0.00280	U				
Sodium			0.120	U				
Thallium			0.00250	U				
Vanadium			0.00200	U				
Zinc			0.00210	U				



Form 3 Blanks

Client : Roux Env. Eng. & Geology, DPC Lab Number : L2538805
 Project Name : CORAM GROUNDWATER EVENT Project Number : 2232.0006Y005
 Instrument ID : TRACE5

Parameter	Initial Calibration Blank		Continuing Calibration Blank(s)				Preparation Blank	
	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q
Lab ID :	R1982839-2		R1982839-7		R1982839-9		R1982839-11	
Date Analyzed :	06/30/25 06:02		06/30/25 07:36		06/30/25 08:56		06/30/25 10:09	
Aluminum	0.0318	U	0.0318	U	0.0318	U	0.0318	U
Antimony	0.00710	U	0.00710	U	0.00710	U	0.00710	U
Sodium	0.120	U	0.120	U	0.120	U	0.120	U



Form 3 Blanks

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Instrument ID	: TRACE5		

Parameter	Initial Calibration Blank		Continuing Calibration Blank(s)				Preparation Blank	
	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q
Aluminum	0.0318	U	0.0318	U	0.0318	U	0.0318	U
Antimony	0.00710	U	0.00710	U	0.00710	U	0.00710	U
Sodium	0.120	U	0.120	U	0.120	U	0.120	U



Form 3 Blanks

Client : Roux Env. Eng. & Geology, DPC Lab Number : L2538805
 Project Name : CORAM GROUNDWATER EVENT Project Number : 2232.0006Y005
 Instrument ID : TRACE5

Parameter	Initial Calibration Blank		Continuing Calibration Blank(s)				Preparation Blank	
	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q
Aluminum			0.0318	U	0.0318	U	0.0318	U
Antimony			0.00710	U	0.00710	U	0.00710	U
Sodium			0.120	U	0.120	U	0.120	U



Form 3 Blanks

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM GROUNDWATER EVENT
Instrument ID : TRACE5

Lab Number : L2538805
Project Number : 2232.0006Y005

Parameter	Initial Calibration Blank		Continuing Calibration Blank(s)				Preparation Blank	
	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q
Aluminum	0.0318	U	0.0318	U	0.0318	U	0.0318	U
Antimony	0.00710	U	0.00710	U	0.00710	U	0.0071	U
Arsenic	0.00190	U	0.00190	U	0.00190	U	0.0019	U
Barium	0.00210	U	0.00210	U	0.00210	U	0.0021	U
Beryllium	0.000900	U	0.000900	U	0.000900	U	0.0009	U
Cadmium	0.00100	U	0.00100	U	0.00100	U	0.0010	U
Calcium	0.0350	U	0.0350	U	0.0350	U	0.0350	U
Chromium	0.00210	U	0.00210	U	0.00210	U	0.0021	U
Cobalt	0.00170	U	0.00170	U	0.00170	U	0.0017	U
Copper	0.00220	U	0.00220	U	0.00220	U	0.0022	U
Iron	0.00900	U	0.00900	U	0.00900	U	0.0090	U
Lead	0.00270	U	0.00270	U	0.00270	U	0.0027	U
Magnesium	0.0153	U	0.0153	U	0.0153	U	0.0153	U
Manganese	0.00160	U	0.00160	U	0.00160	U	0.0016	U
Nickel	0.00240	U	0.00240	U	0.00240	U	0.0024	U
Potassium	0.237	U	0.237	U	0.237	U	0.237	U
Selenium	0.00350	U	0.00350	U	0.00350	U	0.0035	U
Silver	0.00280	U	0.00280	U	0.00280	U	0.0028	U
Sodium	0.120	U	0.120	U	0.120	U	0.120	U
Thallium	0.00250	U	0.00250	U	0.00250	U	0.0025	U
Vanadium	0.00200	U	0.00200	U	0.00200	U	0.0020	U
Zinc	0.00210	U	0.00210	U	0.00210	U	0.0021	U



Form 3 Blanks

Client : Roux Env. Eng. & Geology, DPC Lab Number : L2538805
 Project Name : CORAM GROUNDWATER EVENT Project Number : 2232.0006Y005
 Instrument ID : TRACE5

Parameter	Initial Calibration Blank		Continuing Calibration Blank(s)				Preparation Blank	
	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q
Aluminum	0.0318	U	0.0318	U	0.0318	U		
Antimony	0.00710	U	0.00710	U	0.00710	U		
Arsenic	0.00190	U	0.00190	U	0.00190	U		
Barium	0.00210	U	0.00210	U	0.00210	U		
Beryllium	0.000900	U	0.000900	U	0.000900	U		
Cadmium	0.00100	U	0.00100	U	0.00100	U		
Calcium	0.0350	U	0.0350	U	0.0350	U		
Chromium	0.00210	U	0.00210	U	0.00210	U		
Cobalt	0.00170	U	0.00170	U	0.00170	U		
Copper	0.00220	U	0.00220	U	0.00220	U		
Iron	0.00900	U	0.00900	U	0.00900	U		
Lead	0.00270	U	0.00270	U	0.00270	U		
Magnesium	0.0153	U	0.0153	U	0.0153	U		
Manganese	0.00160	U	0.00160	U	0.00160	U		
Nickel	0.00240	U	0.00240	U	0.00240	U		
Potassium	0.237	U	0.237	U	0.237	U		
Selenium	0.00350	U	0.00350	U	0.00350	U		
Silver	0.00280	U	0.00280	U	0.00280	U		
Sodium	0.120	U	0.120	U	0.120	U		
Thallium	0.00250	U	0.00250	U	0.00250	U		
Vanadium	0.00200	U	0.00200	U	0.00200	U		
Zinc	0.00210	U	0.00210	U	0.00210	U		



Form 3 Blanks

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM GROUNDWATER EVENT
Instrument ID : TRACE6

Lab Number : L2538805
Project Number : 2232.0006Y005

Parameter	Initial Calibration Blank		Continuing Calibration Blank(s)				Preparation Blank	
	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q
Aluminum	0.0318	U	0.0318	U	0.0318	U	0.0318	U
Antimony	0.00710	U	0.00710	U	0.00710	U	0.00710	U
Arsenic	0.00190	U	0.00190	U	0.00190	U	0.00190	U
Barium	0.00210	U	0.00210	U	0.00210	U	0.00210	U
Beryllium	0.000900	U	0.000900	U	0.000900	U	0.000900	U
Cadmium	0.00100	U	0.00100	U	0.00100	U	0.00100	U
Calcium	0.0350	U	0.0350	U	0.0350	U	0.0350	U
Chromium	0.00210	U	0.00210	U	0.00210	U	0.00210	U
Cobalt	0.00170	U	0.00170	U	0.00170	U	0.00170	U
Copper	0.00220	U	0.00220	U	0.00220	U	0.00220	U
Iron	0.00900	U	0.00900	U	0.00900	U	0.00900	U
Lead	0.00270	U	0.00270	U	0.00270	U	0.00270	U
Magnesium	0.0153	U	0.0153	U	0.0153	U	0.0153	U
Manganese	0.00160	U	0.00160	U	0.00160	U	0.00160	U
Nickel	0.00240	U	0.00240	U	0.00240	U	0.00240	U
Potassium	0.237	U	0.237	U	0.237	U	0.237	U
Selenium	0.00350	U	0.00350	U	0.00350	U	0.00350	U
Silver	0.00280	U	0.00280	U	0.00280	U	0.00280	U
Sodium	0.120	U	0.120	U	0.120	U	0.120	U
Thallium	0.00250	U	0.00250	U	0.00250	U	0.00250	U
Vanadium	0.00200	U	0.00200	U	0.00200	U	0.00200	U
Zinc	0.00210	U	0.00210	U	0.00210	U	0.00210	U



Form 3 Blanks

Client : Roux Env. Eng. & Geology, DPC Lab Number : L2538805
 Project Name : CORAM GROUNDWATER EVENT Project Number : 2232.0006Y005
 Instrument ID :

Parameter	Initial Calibration		Continuing Calibration				Preparation
	Blank		Blank(s)				Blank
Lab ID :	R1983476-4						
Date Analyzed :	07/01/25 13:17						
	mg/l	Q	Q	Q	Q	Q	
Aluminum	0.0318	U					
Antimony	0.00710	U					
Arsenic	0.00190	U					
Barium	0.00210	U					
Beryllium	0.000900	U					
Cadmium	0.00100	U					
Calcium	0.0350	U					
Chromium	0.00210	U					
Cobalt	0.00170	U					
Copper	0.00220	U					
Iron	0.00900	U					
Lead	0.00270	U					
Magnesium	0.0153	U					
Manganese	0.00160	U					
Nickel	0.00240	U					
Potassium	0.237	U					
Selenium	0.00350	U					
Silver	0.00280	U					
Sodium	0.120	U					
Thallium	0.00250	U					
Vanadium	0.00200	U					
Zinc	0.00210	U					



Form 4a Interference Check Sample

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM GROUNDWATER EVENT
Instrument ID : TRACE9

Lab Number : L2538805
Project Number : 2232.0006Y005
Concentration Units : mg/l

Analyte	True		Initial Found		Final Found					
	Lab ID :		R1982797-5							
	Analysis Date :		06/30/25 06:32							
	Sol.	Sol.	Sol.		Sol.		Sol.		Sol.	
	A	AB	A	%R	AB	%R	A	%R	AB	%R
Aluminum	500		485.	97						
Antimony			-0.0171							
Arsenic			-0.00196							
Barium			0.00200							
Beryllium			0.0000590							
Cadmium			-0.000550							
Calcium	500		468.	94						
Chromium			0.000213							
Cobalt			-0.000358							
Copper			0.00501							
Iron	200		181.	90						
Lead			0.00602							
Magnesium	500		476.	95						
Manganese			0.000620							
Nickel			-0.000101							
Potassium			-0.0174							
Selenium			0.00443							
Silver			0.00148							
Sodium			0.00668							
Thallium			0.00392							
Vanadium			-0.00677							
Zinc			-0.00804							

Acceptance Criteria: Methods 200.7, 200.8, 6010, 6020

ICSA: 80-120%

ICSAB: 80-120%



Form 4a

Interference Check Sample

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM GROUNDWATER EVENT
 Instrument ID : TRACE5

Lab Number : L2538805
 Project Number : 2232.0006Y005
 Concentration Units : mg/l

Analyte	True		Initial Found			Final Found			
	Sol.	Sol.	Sol.	%R	Sol.	%R	Sol.	%R	Sol.
	A	AB	A	%R	AB	%R	A	%R	AB
Aluminum	500		508.	102					
Antimony			0.00626						
Sodium			0.0436						

Acceptance Criteria: Methods 200.7, 200.8, 6010, 6020

ICSA: 80-120%

ICSAB: 80-120%



Form 4a

Interference Check Sample

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM GROUNDWATER EVENT
 Instrument ID : TRACE5

Lab Number : L2538805
 Project Number : 2232.0006Y005
 Concentration Units : mg/l

Analyte	True		Initial Found		Final Found					
	Lab ID :		R1983251-5							
	Analysis Date :		07/01/25 06:38							
	Sol.	Sol.	Sol.		Sol.		Sol.		Sol.	
	A	AB	A	%R	AB	%R	A	%R	AB	%R
Aluminum	500		523.	105						
Antimony			0.00304							
Arsenic			0.00319							
Barium			0.00204							
Beryllium			-0.0000429							
Cadmium			-0.00752							
Calcium	500		481.	96						
Chromium			0.00155							
Cobalt			0.000374							
Copper			0.00571							
Iron	200		183.	92						
Lead			-0.0148							
Magnesium	500		483.	97						
Manganese			0.000104							
Nickel			-0.00198							
Potassium			0.0678							
Selenium			0.00840							
Silver			-0.00159							
Sodium			0.0534							
Thallium			-0.000176							
Vanadium			-0.000819							
Zinc			0.00279							

Acceptance Criteria: Methods 200.7, 200.8, 6010, 6020

ICSA: 80-120%

ICSAB: 80-120%



Form 4a

Interference Check Sample

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM GROUNDWATER EVENT
 Instrument ID : TRACE6

Lab Number : L2538805
 Project Number : 2232.0006Y005
 Concentration Units : mg/l

Analyte	True		Initial Found		Final Found					
	Lab ID :		R1983476-5							
	Analysis Date :		07/01/25 13:41							
	Sol.	Sol.	Sol.		Sol.		Sol.		Sol.	
	A	AB	A	%R	AB	%R	A	%R	AB	%R
Aluminum	500		516.	103						
Antimony			-0.0373							
Arsenic			0.00239							
Barium			0.00208							
Beryllium			-0.0000347							
Cadmium			-0.00735							
Calcium	500		473.	95						
Chromium			-0.00160							
Cobalt			0.000644							
Copper			-0.00514							
Iron	200		179.	90						
Lead			-0.0102							
Magnesium	500		422.	84						
Manganese			0.00230							
Nickel			-0.00840							
Potassium			0.00979							
Selenium			-0.0000502							
Silver			0.000610							
Sodium			0.0132							
Thallium			-0.0210							
Vanadium			-0.00229							
Zinc			-0.00109							

Acceptance Criteria: Methods 200.7, 200.8, 6010, 6020

ICSA: 80-120%

ICSAB: 80-120%



Form 5a Matrix Spike

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM GROUNDWATER EVENT
 Client Sample ID : NA
 Lab Sample ID : L2537415-01
 Matrix Spike : WG2085201-3
 Matrix Spike Dup :

Lab Number : L2538805
 Project Number : 2232.0006Y005
 Matrix : WATER
 MS Analysis Date : 06/30/25 16:30
 MSD Analysis Date :

Parameter	Sample Conc. (mg/l)	Matrix Spike Sample		%R	Matrix Spike Duplicate		%R	RPD	Recovery Limits	RPD Limit
		Spike Added (mg/l)	Spike Conc. (mg/l)		Spike Added (mg/l)	Spike Conc. (mg/l)				
Aluminum, Total	0.574	2	2.93	118					75-125	20
Antimony, Total	ND	0.5	0.406	81					75-125	20
Arsenic, Total	ND	0.12	0.127	106					75-125	20
Barium, Total	0.034	2	2.31	114					75-125	20
Beryllium, Total	ND	0.05	0.0552	110					75-125	20
Cadmium, Total	ND	0.053	0.0478	90					75-125	20
Calcium, Total	15.2	10	25.0	98					75-125	20
Chromium, Total	ND	0.2	0.208	104					75-125	20
Cobalt, Total	ND	0.5	0.507	101					75-125	20
Copper, Total	0.007J	0.25	0.284	114					75-125	20
Iron, Total	0.088	1	1.18	109					75-125	20
Lead, Total	ND	0.53	0.544	103					75-125	20
Magnesium, Total	3.72	10	12.9	92					75-125	20
Manganese, Total	0.040	0.5	0.572	106					75-125	20
Nickel, Total	0.003J	0.5	0.523	105					75-125	20
Potassium, Total	13.1	10	24.9	118					75-125	20
Selenium, Total	ND	0.12	0.127	106					75-125	20
Silver, Total	ND	0.05	0.0554	111					75-125	20
Sodium, Total	116	10	129.	130 Q					75-125	20
Thallium, Total	ND	0.12	0.120	100					75-125	20
Vanadium, Total	ND	0.5	0.553	111					75-125	20
Zinc, Total	0.019	0.5	0.544	105					75-125	20



Form 5a Matrix Spike

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM GROUNDWATER EVENT
 Client Sample ID : MW-4S
 Lab Sample ID : L2538805-01
 Matrix Spike : WG2085346-3
 Matrix Spike Dup :

Lab Number : L2538805
 Project Number : 2232.0006Y005
 Matrix : WATER
 MS Analysis Date : 07/01/25 11:31
 MSD Analysis Date :

Parameter	Sample Conc. (mg/l)	Matrix Spike Sample		%R	Matrix Spike Duplicate		%R	RPD	Recovery Limits	RPD Limit
		Spike Added (mg/l)	Spike Conc. (mg/l)		Spike Added (mg/l)	Spike Conc. (mg/l)				
Aluminum, Dissolved	ND	2	2.16	108					75-125	20
Antimony, Dissolved	ND	0.5	0.455	91					75-125	20
Arsenic, Dissolved	ND	0.12	0.123	102					75-125	20
Barium, Dissolved	0.0227	2	2.25	111					75-125	20
Beryllium, Dissolved	ND	0.05	0.0539	108					75-125	20
Cadmium, Dissolved	ND	0.053	0.0518	98					75-125	20
Calcium, Dissolved	7.46	10	17.2	97					75-125	20
Chromium, Dissolved	ND	0.2	0.220	110					75-125	20
Cobalt, Dissolved	ND	0.5	0.537	107					75-125	20
Copper, Dissolved	ND	0.25	0.278	111					75-125	20
Iron, Dissolved	ND	1	1.06	106					75-125	20
Lead, Dissolved	ND	0.53	0.530	100					75-125	20
Magnesium, Dissolved	2.44	10	12.7	103					75-125	20
Manganese, Dissolved	ND	0.5	0.557	111					75-125	20
Nickel, Dissolved	ND	0.5	0.553	111					75-125	20
Potassium, Dissolved	1.24J	10	12.1	121					75-125	20
Selenium, Dissolved	ND	0.12	0.124	103					75-125	20
Silver, Dissolved	ND	0.05	0.0576	115					75-125	20
Sodium, Dissolved	37.0	10	47.1	101					75-125	20
Thallium, Dissolved	ND	0.12	0.122	102					75-125	20
Vanadium, Dissolved	ND	0.5	0.568	114					75-125	20
Zinc, Dissolved	ND	0.5	0.553	111					75-125	20



Form 5a Matrix Spike

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM GROUNDWATER EVENT
 Client Sample ID : MW-4D2
 Lab Sample ID : L2538805-02
 Matrix Spike : WG2085346-7
 Matrix Spike Dup :

Lab Number : L2538805
 Project Number : 2232.0006Y005
 Matrix : WATER
 MS Analysis Date : 07/01/25 12:50
 MSD Analysis Date :

Parameter	Sample Conc. (mg/l)	Matrix Spike Sample		%R	Matrix Spike Duplicate		%R	RPD	Recovery Limits	RPD Limit
		Spike Added (mg/l)	Spike Conc. (mg/l)		Spike Added (mg/l)	Spike Conc. (mg/l)				
Aluminum, Dissolved	ND	2	2.34	117					75-125	20
Antimony, Dissolved	ND	0.5	0.440	88					75-125	20
Arsenic, Dissolved	ND	0.12	0.120	100					75-125	20
Barium, Dissolved	0.0145	2	2.29	114					75-125	20
Beryllium, Dissolved	ND	0.05	0.0581	116					75-125	20
Cadmium, Dissolved	ND	0.053	0.0516	97					75-125	20
Calcium, Dissolved	10.9	10	21.3	104					75-125	20
Chromium, Dissolved	0.0029J	0.2	0.222	111					75-125	20
Cobalt, Dissolved	ND	0.5	0.536	107					75-125	20
Copper, Dissolved	ND	0.25	0.281	112					75-125	20
Iron, Dissolved	ND	1	1.07	107					75-125	20
Lead, Dissolved	ND	0.53	0.524	99					75-125	20
Magnesium, Dissolved	5.24	10	15.6	104					75-125	20
Manganese, Dissolved	0.0016J	0.5	0.574	115					75-125	20
Nickel, Dissolved	ND	0.5	0.547	109					75-125	20
Potassium, Dissolved	0.945J	10	12.1	121					75-125	20
Selenium, Dissolved	ND	0.12	0.121	101					75-125	20
Silver, Dissolved	ND	0.05	0.0604	121					75-125	20
Sodium, Dissolved	7.83	10	19.5	117					75-125	20
Thallium, Dissolved	ND	0.12	0.121	101					75-125	20
Vanadium, Dissolved	ND	0.5	0.564	113					75-125	20
Zinc, Dissolved	0.0033J	0.5	0.550	110					75-125	20



Form 6 Lab Duplicates

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Client Sample ID	: NA	Matrix	: WATER
Lab Sample ID	: NA	Analysis Date	: 06/30/25 16:26
Dup Sample ID	: WG2085201-4	DUP Analysis Date	: 06/30/25 16:33

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Lead, Total	ND	ND	NC	20

Form 6 Lab Duplicates

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Client Sample ID	: MW-4S	Matrix	: WATER
Lab Sample ID	: L2538805-01	Analysis Date	: 07/01/25 11:24
Dup Sample ID	: WG2085346-4	DUP Analysis Date	: 07/01/25 11:37

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Aluminum, Dissolved	ND	ND	NC	20
Antimony, Dissolved	ND	0.0125J	NC	20
Arsenic, Dissolved	ND	ND	NC	20
Barium, Dissolved	0.0227	0.0236	4	20
Beryllium, Dissolved	ND	ND	NC	20
Cadmium, Dissolved	ND	ND	NC	20
Calcium, Dissolved	7.46	7.72	3	20
Chromium, Dissolved	ND	ND	NC	20
Cobalt, Dissolved	ND	ND	NC	20
Copper, Dissolved	ND	ND	NC	20
Iron, Dissolved	ND	ND	NC	20
Lead, Dissolved	ND	ND	NC	20
Magnesium, Dissolved	2.44	2.48	2	20
Manganese, Dissolved	ND	ND	NC	20
Nickel, Dissolved	ND	ND	NC	20
Potassium, Dissolved	1.24J	1.28J	NC	20
Selenium, Dissolved	ND	ND	NC	20
Silver, Dissolved	ND	ND	NC	20
Sodium, Dissolved	37.0	38.3	3	20
Thallium, Dissolved	ND	ND	NC	20
Vanadium, Dissolved	ND	ND	NC	20
Zinc, Dissolved	ND	ND	NC	20



Form 6 Lab Duplicates

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Client Sample ID	: MW-4D2	Matrix	: WATER
Lab Sample ID	: L2538805-02	Analysis Date	: 07/01/25 12:43
Dup Sample ID	: WG2085346-8	DUP Analysis Date	: 07/01/25 12:56

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Aluminum, Dissolved	ND	ND	NC	20
Antimony, Dissolved	ND	0.0133J	NC	20
Arsenic, Dissolved	ND	ND	NC	20
Barium, Dissolved	0.0145	0.0151	4	20
Beryllium, Dissolved	ND	ND	NC	20
Cadmium, Dissolved	ND	ND	NC	20
Calcium, Dissolved	10.9	11.3	4	20
Chromium, Dissolved	0.0029J	0.0026J	NC	20
Cobalt, Dissolved	ND	ND	NC	20
Copper, Dissolved	ND	ND	NC	20
Iron, Dissolved	ND	ND	NC	20
Lead, Dissolved	ND	ND	NC	20
Magnesium, Dissolved	5.24	5.42	3	20
Manganese, Dissolved	0.0016J	ND	NC	20
Nickel, Dissolved	ND	ND	NC	20
Potassium, Dissolved	0.945J	1.01J	NC	20
Selenium, Dissolved	ND	ND	NC	20
Silver, Dissolved	ND	ND	NC	20
Sodium, Dissolved	7.83	8.26	5	20
Thallium, Dissolved	ND	ND	NC	20
Vanadium, Dissolved	ND	ND	NC	20
Zinc, Dissolved	0.0033J	0.0037J	NC	20



Form 7 Laboratory Control Sample

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM GROUNDWATER EVENT
 Client Sample ID : NA
 Lab Sample ID : WG2085201-2
 Dup Sample ID :

Lab Number : L2538805
 Project Number : 2232.0006Y005
 Matrix : WATER
 LCS Analysis Date : 06/30/25 16:17
 LCSD Analysis Date :

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/l)	Found (mg/l)	%R	True (mg/l)	Found (mg/l)	%R			
Arsenic, Total	0.120	0.121	101.					85-115	20
Barium, Total	2.00	2.26	113.					85-115	20
Beryllium, Total	0.0500	0.0544	109.					85-115	20
Cadmium, Total	0.0530	0.0484	91.					85-115	20
Calcium, Total	10.0	9.96	100.					85-115	20
Chromium, Total	0.200	0.209	104.					85-115	20
Cobalt, Total	0.500	0.519	104.					85-115	20
Copper, Total	0.250	0.276	110.					85-115	20
Iron, Total	1.00	1.09	109.					85-115	20
Lead, Total	0.530	0.544	103.					85-115	20
Magnesium, Total	10.0	9.70	97.					85-115	20
Manganese, Total	0.500	0.538	108.					85-115	20
Nickel, Total	0.500	0.536	107.					85-115	20
Potassium, Total	10.0	11.5	115.					85-115	20
Selenium, Total	0.120	0.123	102.					85-115	20
Silver, Total	0.0500	0.0552	110.					85-115	20
Thallium, Total	0.120	0.124	103.					85-115	20
Vanadium, Total	0.500	0.548	110.					85-115	20
Zinc, Total	0.500	0.523	105.					85-115	20



Form 7 Laboratory Control Sample

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Client Sample ID	: NA	Matrix	: WATER
Lab Sample ID	: WG2085201-2	LCS Analysis Date	: 06/30/25 18:04
Dup Sample ID	:	LCSD Analysis Date	:

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/l)	Found (mg/l)	%R	True (mg/l)	Found (mg/l)	%R			
Aluminum, Total	2.00	2.25	112.					85-115	20
Antimony, Total	0.500	0.446	89.					85-115	20
Sodium, Total	10.0	10.7	107.					85-115	20

Form 7

Laboratory Control Sample

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM GROUNDWATER EVENT
 Client Sample ID : NA
 Lab Sample ID : WG2085346-2
 Dup Sample ID :

Lab Number : L2538805
 Project Number : 2232.0006Y005
 Matrix : WATER
 LCS Analysis Date : 07/01/25 10:59
 LCSD Analysis Date :

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/l)	Found (mg/l)	%R	True (mg/l)	Found (mg/l)	%R			
Aluminum, Dissolved	2.00	2.23	112.					85-115	20
Antimony, Dissolved	0.500	0.447	89.					85-115	20
Arsenic, Dissolved	0.120	0.118	98.					85-115	20
Barium, Dissolved	2.00	2.27	114.					85-115	20
Beryllium, Dissolved	0.0500	0.0554	111.					85-115	20
Cadmium, Dissolved	0.0530	0.0512	97.					85-115	20
Calcium, Dissolved	10.0	10.2	102.					85-115	20
Chromium, Dissolved	0.200	0.219	110.					85-115	20
Cobalt, Dissolved	0.500	0.533	107.					85-115	20
Copper, Dissolved	0.250	0.276	110.					85-115	20
Iron, Dissolved	1.00	1.10	110.					85-115	20
Lead, Dissolved	0.530	0.530	100.					85-115	20
Magnesium, Dissolved	10.0	10.2	102.					85-115	20
Manganese, Dissolved	0.500	0.570	114.					85-115	20
Nickel, Dissolved	0.500	0.552	110.					85-115	20
Potassium, Dissolved	10.0	10.8	108.					85-115	20
Selenium, Dissolved	0.120	0.121	101.					85-115	20
Silver, Dissolved	0.0500	0.0567	113.					85-115	20
Sodium, Dissolved	10.0	11.2	112.					85-115	20
Thallium, Dissolved	0.120	0.124	103.					85-115	20
Vanadium, Dissolved	0.500	0.563	113.					85-115	20
Zinc, Dissolved	0.500	0.541	108.					85-115	20



Form 8 Serial Dilutions

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Client Sample ID	: MW-4S	Matrix	: WATER
Lab Sample ID	: L2538805-01	Analysis Date	: 07/01/25 11:24
Serial Dilution ID	: WG2085346-6	Analysis Date	: 07/01/25 11:50

Parameter	Initial Sample Result (mg/l)	Serial Dilution Result (mg/l)	% Difference	%D Limit
Calcium, Dissolved	7.46	7.26	3	20



Form 8 Serial Dilutions

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Client Sample ID	: MW-4D2	Matrix	: WATER
Lab Sample ID	: L2538805-02	Analysis Date	: 07/01/25 12:43
Serial Dilution ID	: WG2085346-10	Analysis Date	: 07/01/25 13:08

Parameter	Initial Sample Result (mg/l)	Serial Dilution Result (mg/l)	% Difference	%D Limit
Calcium, Dissolved	10.9	11.0	1	20
Magnesium, Dissolved	5.24	5.27	1	20



U.S. EPA - CLP
10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____
 Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____
 ICP-AES Instrument: TRACE4 Date: 12/01/16

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Al	Ca	Fe	Mg	___
Aluminum	396.15	0.0000000	0.0000020	-0.0000310	-0.0000090	
Antimony	206.83	-0.0000020	0.0000040	-0.0000110	-0.0000050	
Arsenic	189.04	0.0000090	-0.0000010	-0.0000700	0.0000000	
Barium	455.40	-0.0000040	-0.0000020	-0.0000110	-0.0000010	
Beryllium	313.40	-0.0000020	-0.0000020	-0.0000050	0.0000000	
Cadmium	214.44	0.0000000	-0.0000030	0.0000000	-0.0000010	
Calcium	315.89	0.0000780	0.0000000	-0.0000170	0.0000710	
Chromium	267.72	0.0000050	-0.0000020	0.0000120	0.0000000	
Cobalt	228.62	-0.0000120	-0.0000060	-0.0000250	-0.0000020	
Copper	324.75	-0.0000030	-0.0000020	-0.0000040	0.0000110	
Iron	259.94	0.0000180	-0.0000120	0.0000000	-0.0000030	
Lead	220.35	0.0001100	-0.0000010	0.0000180	-0.0000010	
Magnesium	279.08	-0.0000540	-0.0000280	0.0000190	0.0000000	
Manganese	257.61	-0.0000030	-0.0000020	-0.0000080	0.0000020	
Mercury						
Nickel	231.60	-0.0000130	-0.0000050	-0.0000240	-0.0000020	
Potassium	766.49	-0.0012590	-0.0007040	-0.0028490	-0.0002350	
Selenium	196.09	-0.0000200	0.0000000	-0.0000290	-0.0000010	
Silver	328.07	-0.0000040	-0.0000020	-0.0000090	-0.0000010	
Sodium	589.59	-0.0006160	-0.0005220	-0.0020960	-0.0001600	
Thallium	190.86	-0.0000060	-0.0000040	-0.0000050	-0.0000010	
Vanadium	292.40	-0.0000050	-0.0000030	0.0000100	-0.0000020	
Zinc	206.20	0.0002750	0.0000030	-0.0007990	-0.0000040	

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____
 Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____
 ICP-AES Instrument ID: TRACE4 Date: 12/01/16

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Sb	As	Ba	Be	Cd
Aluminum	396.15	0.0000000	0.0000000	0.0000000	-0.0022950	-0.0018570
Antimony	206.83	0.0000000	0.0000000	0.0000000	-0.0003900	-0.0000120
Arsenic	189.04	0.0000000	0.0000000	0.0000210	-0.0001780	-0.0001730
Barium	455.40	0.0000000	0.0000000	0.0000000	-0.0002050	-0.0002030
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000860
Cadmium	214.44	0.0000000	0.0000000	0.0000000	-0.0002090	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	-0.0020880	-0.0018790
Chromium	267.72	0.0000000	0.0000000	0.0000000	-0.0002010	-0.0003100
Cobalt	228.62	0.0000000	0.0000000	0.0000000	-0.0004810	-0.0004970
Copper	324.75	0.0000000	0.0000000	0.0000000	-0.0002330	-0.0002260
Iron	259.94	0.0000000	0.0000000	0.0000000	-0.0012310	-0.0009570
Lead	220.35	0.0000000	0.0000000	0.0000000	-0.0001700	-0.0001850
Magnesium	279.08	0.0000000	0.0000000	0.0000000	-0.0022440	-0.0017830
Manganese	257.61	0.0000000	0.0000000	0.0000000	-0.0001950	-0.0002020
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	-0.0005490	-0.0005200
Potassium	766.49	0.0000000	0.0000000	0.0000000	-0.0522980	-0.0517110
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000060	0.0000030
Silver	328.07	0.0000000	0.0000000	0.0000000	-0.0001740	-0.0001560
Sodium	589.59	0.0000000	0.0000000	0.0000000	-0.0417330	-0.0407400
Thallium	190.86	0.0000000	0.0000000	0.0000000	-0.0002650	-0.0002240
Vanadium	292.40	0.0000000	0.0000000	0.0000000	-0.0002090	-0.0002040
Zinc	206.20	0.0000000	0.0000000	0.0000000	-0.0000320	-0.0009250

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____
 Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____
 ICP-AES Instrument ID: TRACE4 Date: 12/01/16

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Cr	Co	Cu	Pb	Mn
Aluminum	396.15	-0.0020320	-0.0005350	-0.0005960	0.0000000	-0.0003930
Antimony	206.83	0.0049920	-0.0001600	-0.0001410	0.0000000	-0.0001780
Arsenic	189.04	0.0002670	-0.0001290	-0.0000570	0.0000000	-0.0000030
Barium	455.40	-0.0002000	-0.0000500	-0.0000660	0.0000000	-0.0000350
Beryllium	313.40	-0.0000900	-0.0000220	-0.0000300	0.0000000	-0.0000110
Cadmium	214.44	-0.0000290	-0.0000520	-0.0000680	0.0000000	-0.0000270
Calcium	315.89	-0.0020720	0.0009940	-0.0005720	0.0000000	-0.0000920
Chromium	267.72	0.0000000	-0.0000480	-0.0000690	0.0000000	0.0001140
Cobalt	228.62	-0.0005870	0.0000000	-0.0001660	0.0000000	-0.0000740
Copper	324.75	-0.0002130	-0.0000490	0.0000000	0.0000000	0.0000300
Iron	259.94	-0.0010370	-0.0002940	-0.0003760	0.0000000	-0.0001890
Lead	220.35	-0.0001960	-0.0003260	0.0002710	0.0000000	0.0000640
Magnesium	279.08	-0.0024620	-0.0005640	-0.0008730	0.0000000	-0.0069760
Manganese	257.61	-0.0002060	-0.0000480	-0.0000750	0.0000000	0.0000000
Mercury						
Nickel	231.60	-0.0005230	-0.0002210	-0.0001810	0.0000000	-0.0000730
Potassium	766.49	-0.0512430	-0.0126240	-0.0178480	0.0000000	-0.0089880
Selenium	196.09	-0.0000520	0.0000530	-0.0000240	0.0000000	0.0003780
Silver	328.07	-0.0001430	-0.0000370	-0.0000450	0.0000000	0.0001940
Sodium	589.59	-0.0407180	-0.0097580	-0.0137660	0.0000000	-0.0070470
Thallium	190.86	-0.0000390	0.0020440	-0.0000840	-0.0000200	0.0003990
Vanadium	292.40	-0.0002210	-0.0000500	-0.0000650	0.0000000	0.0001060
Zinc	206.20	-0.0012900	0.0000070	0.0003430	0.0001200	-0.0001520

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____
 Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____
 ICP-AES Instrument ID: TRACE4 Date: 12/01/16

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Ni	K	Se	Ag	Na
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____
 Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____
 ICP-AES Instrument: TRACE5 Date: 12/01/16

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Al	Ca	Fe	Mg	Mo
Aluminum	396.15	0.0000000	0.0000960	0.0000000	0.0000000	0.0573510
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0016160
Arsenic	189.04	-0.0000310	0.0000000	0.0000000	0.0000000	0.0009550
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000010	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0009910
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000120
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0004030
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0003010	0.0000000	0.0000210	0.0000000	-0.0026290
Magnesium	279.08	0.0000000	0.0000000	0.0001760	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000340	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000000	0.0000180
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000310	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____
 Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____
 ICP-AES Instrument ID: TRACE5 Date: 12/01/16

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Sb	As	Ba	Be	Cd
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____
 Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____
 ICP-AES Instrument ID: TRACE5 Date: 12/01/16

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Cr	Co	Cu	Pb	Mn
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0114090	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0003850	-0.0000480	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0000000	0.0000000	0.0007800	0.0000000	0.0000000
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	-0.0092850
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	-0.0001620	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000620	0.0000000	0.0000000	0.0006770
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	-0.0019910	0.0000000	0.0000000	0.0000000	-0.0004360
Zinc	206.20					

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____
 Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____
 ICP-AES Instrument ID: TRACE5 Date: 12/01/16

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Ni	K	Se	Ag	Na
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000930	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0002270	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.08	-0.0003390	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____
 Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____
 ICP-AES Instrument ID: TRACE5 Date: 12/01/16

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Tl	V	Zn		
Aluminum	396.15	0.0000000	0.0000000	0.0000000		
Antimony	206.83	0.0000000	0.0000000	0.0000000		
Arsenic	189.04	0.0000000	0.0000000	0.0000000		
Barium	455.40	0.0000000	0.0000000	0.0000000		
Beryllium	313.40	0.0000000	0.0018940	0.0000000		
Cadmium	214.44	0.0000000	0.0000000	0.0000000		
Calcium	315.89	0.0000000	0.0000000	0.0000000		
Chromium	267.72	0.0000000	0.0000000	0.0000000		
Cobalt	228.62	0.0017990	0.0000000	0.0000000		
Copper	324.75	0.0000000	-0.0003720	0.0000000		
Iron	259.94	0.0000000	0.0000000	0.0000000		
Lead	220.35	0.0000000	-0.0001170	0.0000000		
Magnesium	279.08	0.0000000	0.0000000	0.0000000		
Manganese	257.61	0.0000000	0.0000000	0.0000000		
Mercury						
Nickel	231.60	0.0005790	0.0000000	0.0000000		
Potassium	766.49	0.0000000	0.0000000	0.0000000		
Selenium	196.09	0.0000000	0.0000000	0.0000000		
Silver	328.07	0.0000000	-0.0017200	0.0000000		
Sodium	589.59	0.0000000	0.0000000	0.0000000		
Thallium	190.86	0.0000000	0.0002820	0.0000000		
Vanadium	292.40	0.0000000	0.0000000	0.0000000		
Zinc	206.20	0.0000000	0.0000000	0.0000000		

Comments:

U.S. EPA - CLP
10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____
 Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____
 ICP-AES Instrument: TRACE6 Date: 11/10/16

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Al	Ca	Fe	Mg	Mo
Aluminum	396.15	0.0000000	0.0000960	0.0000000	0.0000000	0.0573510
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0016160
Arsenic	189.04	-0.0000310	0.0000000	0.0000000	0.0000000	0.0009550
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000010	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0009910
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000120
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0004030
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0003010	0.0000000	0.0000210	0.0000000	-0.0026290
Magnesium	279.08	0.0000000	0.0000000	0.0001760	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000340	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000000	0.0000180
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000310	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____
 Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____
 ICP-AES Instrument ID: TRACE6 Date: 11/10/16

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Sb	As	Ba	Be	Cd
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____
 Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____
 ICP-AES Instrument ID: TRACE6 Date: 11/10/16

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Cr	Co	Cu	Pb	Mn
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0114090	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0003850	-0.0000480	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0000000	0.0000000	0.0007800	0.0000000	0.0000000
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	-0.0092850
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	-0.0001620	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000620	0.0000000	0.0000000	0.0006770
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	-0.0019910	0.0000000	0.0000000	0.0000000	-0.0004360
Zinc	206.20					

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____
 Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____
 ICP-AES Instrument ID: TRACE6 Date: 11/10/16

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Ni	K	Se	Ag	Na
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000930	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0002270	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.08	-0.0003390	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____
 Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____
 ICP-AES Instrument ID: TRACE6 Date: 11/10/16

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Tl	V	Zn		
Aluminum	396.15	0.0000000	0.0000000	0.0000000		
Antimony	206.83	0.0000000	0.0000000	0.0000000		
Arsenic	189.04	0.0000000	0.0000000	0.0000000		
Barium	455.40	0.0000000	0.0000000	0.0000000		
Beryllium	313.40	0.0000000	0.0018940	0.0000000		
Cadmium	214.44	0.0000000	0.0000000	0.0000000		
Calcium	315.89	0.0000000	0.0000000	0.0000000		
Chromium	267.72	0.0000000	0.0000000	0.0000000		
Cobalt	228.62	0.0017990	0.0000000	0.0000000		
Copper	324.75	0.0000000	-0.0003720	0.0000000		
Iron	259.94	0.0000000	0.0000000	0.0000000		
Lead	220.35	0.0000000	-0.0001170	0.0000000		
Magnesium	279.08	0.0000000	0.0000000	0.0000000		
Manganese	257.61	0.0000000	0.0000000	0.0000000		
Mercury						
Nickel	231.60	0.0005790	0.0000000	0.0000000		
Potassium	766.49	0.0000000	0.0000000	0.0000000		
Selenium	196.09	0.0000000	0.0000000	0.0000000		
Silver	328.07	0.0000000	-0.0017200	0.0000000		
Sodium	589.59	0.0000000	0.0000000	0.0000000		
Thallium	190.86	0.0000000	0.0002820	0.0000000		
Vanadium	292.40	0.0000000	0.0000000	0.0000000		
Zinc	206.20	0.0000000	0.0000000	0.0000000		

Comments:

U.S. EPA - CLP
10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____
 Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____
 ICP-AES Instrument: TRACE7 Date: 05/17/16

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Al	Ca	Fe	Mg	Mo
Aluminum	396.15	0.0000000	0.0000960	0.0000000	0.0000000	0.0573510
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0016160
Arsenic	189.04	0.0001500	0.0000000	-0.0004550	0.0000000	0.0038670
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000380	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0009910
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000120
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0004030
Iron	259.94	0.0000000	0.0000000	0.0000340	0.0000000	0.0000000
Lead	220.35	0.0001750	0.0000000	0.0002100	0.0000000	-0.0026290
Magnesium	279.08	0.0000000	0.0000000	0.0001760	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	-0.0000350	0.0000000	0.0000000	0.0000000	0.0000180
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000100	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____
 Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____
 ICP-AES Instrument: TRACE7 Date: 05/17/16

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Sb	As	Ba	Be	Cd
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____
 Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____
 ICP-AES Instrument: TRACE7 Date: 05/17/16

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Cr	Co	Cu	Pb	Mn
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0114090	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0017890	0.0000000	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0000000	0.0000000	0.0007800	0.0000000	0.0000000
Magnesium	279.08	0.0000000	0.0000000	0.0000000	0.0000000	-0.0092850
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	-0.0001620	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000620	0.0000000	0.0000000	0.0006770
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	-0.0019910	0.0000000	0.0000000	0.0000000	-0.0004360
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____
 Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____
 ICP-AES Instrument: TRACE7 Date: 05/17/16

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Ni	K	Se	Ag	Na
Aluminum	396.15	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Antimony	206.83	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Arsenic	189.04	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Barium	455.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Beryllium	313.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cadmium	214.44	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	315.89	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Chromium	267.72	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Cobalt	228.62	0.0000930	0.0000000	0.0000000	0.0000000	0.0000000
Copper	324.75	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	259.94	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.35	0.0002270	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.08	-0.0003390	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.61	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Mercury						
Nickel	231.60	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.49	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Selenium	196.09	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Silver	328.07	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.59	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Thallium	190.86	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Vanadium	292.40	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Zinc	206.20	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

U.S. EPA - CLP
10B-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Alpha Analytical Contract: _____
 Lab Code: AAL Case No.: _____ NRAS No.: _____ SDG No.: _____
 ICP-AES Instrument: TRACE7 Date: 05/17/16

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Tl	V	Zn		
Aluminum	396.15	0.0000000	0.0000000	0.0000000		
Antimony	206.83	0.0000000	0.0000000	0.0000000		
Arsenic	189.04	0.0000000	0.0000000	0.0000000		
Barium	455.40	0.0000000	0.0000000	0.0000000		
Beryllium	313.40	0.0000000	0.0018940	0.0000000		
Cadmium	214.44	0.0000000	0.0000000	0.0000000		
Calcium	315.89	0.0000000	0.0000000	0.0000000		
Chromium	267.72	0.0000000	0.0000000	0.0000000		
Cobalt	228.62	0.0017990	0.0000000	0.0000000		
Copper	324.75	0.0000000	0.0000000	0.0000000		
Iron	259.94	0.0000000	0.0000000	0.0000000		
Lead	220.35	0.0000000	-0.0001170	0.0000000		
Magnesium	279.08	0.0000000	0.0000000	0.0000000		
Manganese	257.61	0.0000000	0.0000000	0.0000000		
Mercury						
Nickel	231.60	0.0005790	0.0000000	0.0000000		
Potassium	766.49	0.0000000	0.0000000	0.0000000		
Selenium	196.09	0.0000000	0.0000000	0.0000000		
Silver	328.07	0.0000000	0.0000000	0.0000000		
Sodium	589.59	0.0000000	0.0000000	0.0000000		
Thallium	190.86	0.0000000	0.0000000	0.0000000		
Vanadium	292.40	0.0011610	0.0000000	0.0000000		
Zinc	206.20	0.0000000	0.0000000	0.0000000		

Comments:

EPA 200.7, EPA 6010D		Linear Dynamic Range					
		All values are in mg/L and are 90% of the established LDR concentration.					
Instrument ID:		Trace 4	Trace 5	Trace 6	Trace 7	Trace 8	Trace 9
2023 Complete		☐	☐	☐	☐	☐	☐
Ag	Silver	36	27	9	13	90	45
Al	Aluminum	900	540	450	900	900	900
As	Arsenic	90	54	90	72	180	90
B	Boron	90	90	9	45	90	54
Ba	Barium	90	27	18	13	135	27
Be	Beryllium	27	36	9	9	11	31
Ca	Calcium	450	900	675	900	900	900
Cd	Cadmium	11	9	9	11	27	18
Co	Cobalt	90	63	45	22	135	90
Cr	Chromium	45	63	9	45	157	90
Cu	Copper	90	54	45	45	90	67
Fe	Iron	630	900	450	450	540	540
K	Potassium	900	900	675	720	900	900
Mg	Magnesium	450	900	360	900	900	900
Mn	Manganese	90	31	90	67	90	90
Mo	Molybdenum	45	36	9	22	67	45
Na	Sodium	675	900	450	405	630	900
Ni	Nickel	90	45	45	22	135	90
Pb	Lead	180	180	90	90	225	90
S	Sulfur	-	90	-	-	-	-
Sb	Antimony	22	45	45	4.5	90	45
Se	Selenium	27	27	45	22	15	45
Si	Silica	45	90	22	22	90	45
Sn	Tin	45	45	13	22	72	45
Sr	Strontium	45	45	9	9	67	45
Ti	Titanium	45	90	9	90	72	45
Tl	Thallium	45	90	45	22	135	45
V	Vanadium	90	90	90	90	112	45
Zn	Zinc	45	27	45	22	63	22

Form 12

Preparation Log

Client : Roux Env. Eng. & Geology, DPC Lab Number : L2538805
Project Name : CORAM GROUNDWATER EVENT Project Number : 2232.0006Y005
Matrix : WATER Prep Method : EPA 3005A

Sample Number	Preparation Date	Weight (gram)	Volume (mL)
WG2085201-1	06/30/25 12:23	-	50
WG2085201-2	06/30/25 12:23	-	50
WG2085201-3	06/30/25 12:23	-	50
WG2085201-4	06/30/25 12:23	-	50

Form 12

Preparation Log

Client : Roux Env. Eng. & Geology, DPC Lab Number : L2538805
Project Name : CORAM GROUNDWATER EVENT Project Number : 2232.0006Y005
Matrix : WATER Prep Method : EPA 3005A

Sample Number	Preparation Date	Weight (gram)	Volume (mL)
WG2085201-2	06/30/25 12:23	-	50

Form 12 Preparation Log

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Matrix	: WATER	Prep Method	: EPA 3005A

Sample Number	Preparation Date	Weight (gram)	Volume (mL)
L2538805-01	06/30/25 15:21	-	50
L2538805-02	06/30/25 15:21	-	50
L2538805-03	06/30/25 15:21	-	50
L2538805-04	06/30/25 15:21	-	50
L2538805-05	06/30/25 15:21	-	50
L2538805-06	06/30/25 15:21	-	50
WG2085346-1	06/30/25 15:21	-	50
WG2085346-2	06/30/25 15:21	-	50
WG2085346-3	06/30/25 15:21	-	50
WG2085346-4	06/30/25 15:21	-	50
WG2085346-6	06/30/25 15:21	-	50
WG2085346-7	06/30/25 15:21	-	50
WG2085346-8	06/30/25 15:21	-	50
WG2085346-10	06/30/25 15:21	-	50



Form 12

Preparation Log

Client : Roux Env. Eng. & Geology, DPC Lab Number : L2538805
Project Name : CORAM GROUNDWATER EVENT Project Number : 2232.0006Y005
Matrix : WATER Prep Method : EPA 3005A

Sample Number	Preparation Date	Weight (gram)	Volume (mL)
L2538805-01	06/30/25 12:23	-	50
L2538805-02	06/30/25 12:23	-	50
L2538805-03	06/30/25 12:23	-	50
L2538805-04	06/30/25 12:23	-	50
L2538805-05	06/30/25 12:23	-	50
L2538805-06	06/30/25 12:23	-	50

Form 13 Analysis Run Log

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM GROUNDWATER EVENT
Instrument ID : TRACE9
Start Date : 06/30/25 05:57

Lab Number : L2538805
Project Number : 2232.0006Y005
Analysis Method : 19,200.7
End Date : 06/30/25 16:47

Sample Number	Dilution Factor	Analysis Time	Aluminum, Total	Antimony, Total	Arsenic, Total	Barium, Total	Beryllium, Total	Cadmium, Total	Calcium, Total	Chromium, Total	Cobalt, Total	Copper, Total	Iron, Total	Lead, Total	Magnesium, Total	Manganese, Total	Nickel, Total	Potassium, Total	Selenium, Total	Silver, Total	Sodium, Total	Thallium, Total	Vanadium, Total	Zinc, Total				
R1982797-1 ICV	1	05:57:35	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R1982797-2 ICB	1	06:00:47	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R1982797-3 ICV	1	06:22:46	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R1982797-4 ICB	1	06:26:08	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R1982797-5 ICSA	1	06:32:35	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R1982797-6 CCV	1	07:54:29	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R1982797-7 CCB	1	07:57:53	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R1982797-8 CCV	1	08:49:28	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R1982797-9 CCB	1	08:52:40	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R1982797-10 CCV	1	09:08:40	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R1982797-11 CCB	1	09:11:53	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R1982797-12 CCV	1	10:25:39	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R1982797-13 CCB	1	10:28:52	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R1982797-14 CCV	1	10:57:58	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R1982797-15 CCB	1	11:01:11	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R1982797-16 CCV	1	12:49:18	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R1982797-17 CCB	1	12:52:31	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R1982797-18 CCV	1	13:28:12	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R1982797-19 CCB	1	13:31:25	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R1982797-20 CCV	1	14:22:38	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R1982797-21 CCB	1	14:25:52	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R1982797-22 CCV	1	15:56:47	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R1982797-23 CCB	1	16:00:00	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
WG2085201-1 BLANK	1	16:13:55	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
WG2085201-2 LCS	1	16:17:14			X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		X	X	X				
WG2085201-3 MS	1	16:30:07	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
WG2085201-4 DUP	1	16:33:20	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				



Form 13

Analysis Run Log

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM GROUNDWATER EVENT
Instrument ID : TRACE9
Start Date : 06/30/25 05:57

Lab Number : L2538805
Project Number : 2232.0006Y005
Analysis Method : 19,200.7
End Date : 06/30/25 16:47

[illegible]

Form 13

Analysis Run Log

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM GROUNDWATER EVENT
Instrument ID :
Start Date : 06/30/25 05:55

Lab Number : L2538805
Project Number : 2232.0006Y005
Analysis Method :
End Date : 06/30/25 18:16

[illegible]

Form 13

Analysis Run Log

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM GROUNDWATER EVENT
 Instrument ID : TRACE5
 Start Date : 07/01/25 06:07

Lab Number : L2538805
 Project Number : 2232.0006Y005
 Analysis Method : 19,200.7
 End Date : 07/01/25 14:31

Sample Number	Dilution Factor	Analysis Time	Aluminum, Dissolved	Antimony, Dissolved	Arsenic, Dissolved	Barium, Dissolved	Beryllium, Dissolved	Cadmium, Dissolved	Calcium, Dissolved	Chromium, Dissolved	Cobalt, Dissolved	Copper, Dissolved	Iron, Dissolved	Lead, Dissolved	Magnesium, Dissolved	Manganese, Dissolved	Nickel, Dissolved	Potassium, Dissolved	Selenium, Dissolved	Silver, Dissolved	Sodium, Dissolved	Thallium, Dissolved	Vanadium, Dissolved	Zinc, Dissolved				
R1983251-1 ICV	1	06:07:25	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R1983251-2 ICB	1	06:13:32	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R1983251-3 ICV	1	06:19:59	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R1983251-4 ICB	1	06:26:09	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R1983251-5 ICSA	1	06:38:59	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R1983251-6 CCV	1	08:28:34	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R1983251-7 CCB	1	08:34:39	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R1983251-8 CCV	1	09:25:22	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R1983251-9 CCB	1	09:31:29	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
WG2085346-1 BLANK	1	10:52:54	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
WG2085346-2 LCS	1	10:59:20	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
L2538805-01	1	11:24:59	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
WG2085346-3 MS	1	11:31:22	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
WG2085346-4 DUP	1	11:37:38	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
WG2085346-6 SERDIL	5	11:50:03						X																				
R1983251-10 CCV	1	11:56:25	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R1983251-11 CCB	1	12:02:32	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
L2538805-03	1	12:24:55	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
L2538805-04	1	12:31:15	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
L2538805-05	1	12:37:35	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
L2538805-02	1	12:43:55	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
WG2085346-7 MS	1	12:50:16	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
WG2085346-8 DUP	1	12:56:29	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
WG2085346-10 SERDIL	5	13:08:58						X						X														
R1983251-12 CCV	1	13:15:21	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R1983251-13 CCB	1	13:21:29	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
L2538805-06	1	13:47:40	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				



Form 13

Analysis Run Log

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM GROUNDWATER EVENT
 Instrument ID : TRACE5
 Start Date : 07/01/25 06:07

Lab Number : L2538805
 Project Number : 2232.0006Y005
 Analysis Method : 19,200.7
 End Date : 07/01/25 14:31

Sample Number	Dilution Factor	Analysis Time	Aluminum, Dissolved	Antimony, Dissolved	Arsenic, Dissolved	Barium, Dissolved	Beryllium, Dissolved	Cadmium, Dissolved	Calcium, Dissolved	Chromium, Dissolved	Cobalt, Dissolved	Copper, Dissolved	Iron, Dissolved	Lead, Dissolved	Magnesium, Dissolved	Manganese, Dissolved	Nickel, Dissolved	Potassium, Dissolved	Selenium, Dissolved	Silver, Dissolved	Sodium, Dissolved	Thallium, Dissolved	Vanadium, Dissolved	Zinc, Dissolved				
R1983251-14 CCV	1	14:25:41	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				
R1983251-15 CCB	1	14:31:49	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X				

Form 13

Analysis Run Log

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM GROUNDWATER EVENT
Instrument ID : TRACE6
Start Date : 07/01/25 12:57

Lab Number : L2538805
Project Number : 2232.0006Y005
Analysis Method : 19,200.7
End Date : 07/01/25 17:38

[illegible]

Date Created: 11/04/16
Created By: Jason Hebert
File: PM2960-2
Page: 1

METALS by 200.7, 6010C (WATER)

[illegible]

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)

Date Created: 11/04/16
Created By: Jason Hebert
File: PM2962-1
Page: 1

METALS by 6010C (SOIL)

[illegible]

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: Blank DMC Trace9
 Analysis started at: 6/30/2025 5:51:21 AM
 Rack: 0
 Vial: 1
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	-0.4 %	-0.6 %	-0.4 %	2.0 %	0.3 %	-0.5 %	0.3 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	1.3 %	0.4 %	-0.4 %	-0.1 %	2.1 %	-0.4 %	2.6 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	-0.9 %	-1.0 %	0.9 %	0.2 %	-0.6 %	0.4 %	0.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	-1.5 %	0.1 %	0.6 %	0.4 %	-0.3 %	-0.6 %	0.6 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0000 ppm	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %
Concentration per Run	0.0000 ppm	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %
Concentration RSD	0.1 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: ICAL
 Analysis started at: 6/30/2025 5:54:24 AM
 Rack: 0
 Vial: 2
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	1.0000 ppm	25.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	10.0000 ppm
Concentration per Run 1	0.9841 ppm	25.0997 ppm	0.9484 ppm	0.9735 ppm	1.0025 ppm	0.9970 ppm	9.9320 ppm
Concentration per Run 2	1.0543 ppm	24.9796 ppm	1.0278 ppm	1.0706 ppm	0.9997 ppm	1.0020 ppm	9.9784 ppm
Concentration per Run 3	0.9616 ppm	24.9207 ppm	1.0238 ppm	0.9559 ppm	0.9978 ppm	1.0009 ppm	10.0897 ppm
Concentration RSD	4.8 %	0.4 %	4.5 %	6.2 %	0.2 %	0.3 %	0.8 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	25.0000 ppm	35.0000 ppm	1.0000 ppm
Concentration per Run 1	0.9569 ppm	0.9626 ppm	0.9820 ppm	0.9828 ppm	24.8836 ppm	35.1866 ppm	1.0058 ppm
Concentration per Run 2	1.1090 ppm	1.0901 ppm	1.0542 ppm	1.0459 ppm	25.0531 ppm	35.2526 ppm	1.0078 ppm
Concentration per Run 3	0.9340 ppm	0.9473 ppm	0.9638 ppm	0.9713 ppm	25.0633 ppm	34.5608 ppm	0.9864 ppm
Concentration RSD	9.5 %	7.8 %	4.8 %	4.0 %	0.4 %	1.1 %	1.2 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	10.0000 ppm	1.0000 ppm	1.0000 ppm	25.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm
Concentration per Run 1	9.8269 ppm	0.9949 ppm	0.9793 ppm	25.2809 ppm	0.9807 ppm	0.8997 ppm	0.9779 ppm
Concentration per Run 2	10.5355 ppm	1.0005 ppm	1.0546 ppm	24.9752 ppm	1.0566 ppm	1.0481 ppm	1.0531 ppm
Concentration per Run 3	9.6376 ppm	1.0046 ppm	0.9661 ppm	24.7440 ppm	0.9627 ppm	1.0523 ppm	0.9690 ppm
Concentration RSD	4.7 %	0.5 %	4.8 %	1.1 %	5.0 %	8.7 %	4.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	1.0000 ppm	10.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm
Concentration per Run 1	0.9898 ppm	9.6240 ppm	0.9791 ppm	1.0033 ppm	0.9859 ppm	0.9100 ppm	0.9835 ppm
Concentration per Run 2	1.0043 ppm	10.9813 ppm	1.0507 ppm	0.9977 ppm	1.0537 ppm	1.0416 ppm	1.0466 ppm
Concentration per Run 3	1.0059 ppm	9.3947 ppm	0.9703 ppm	0.9990 ppm	0.9604 ppm	1.0484 ppm	0.9699 ppm
Concentration RSD	0.9 %	8.6 %	4.4 %	0.3 %	4.8 %	7.8 %	4.1 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	1.0000 ppm	93.7728 %	98.8773 %	91.4996 %	91.1508 %	96.6059 %	93.5379 %
Concentration per Run 1	0.9795 ppm	97.1952 %	99.1820 %	96.9940 %	93.6467 %	96.9139 %	91.8786 %
Concentration per Run 2	1.0559 ppm	86.0142 %	99.1007 %	88.7518 %	86.0151 %	96.4896 %	94.0991 %
Concentration per Run 3	0.9646 ppm	98.1091 %	98.3491 %	88.7530 %	93.7905 %	96.4142 %	94.6362 %
Concentration RSD	4.9 %	7.2 %	0.5 %	5.2 %	4.9 %	0.3 %	1.6 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: ICV
Analysis started at: 6/30/2025 5:57:35 AM
Rack: 0
Vial: 3
Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.5017 ppm	0.4788 ppm	0.4819 ppm	0.4802 ppm	0.4941 ppm	0.4992 ppm	0.4851 ppm
Concentration per Run 1	0.5022 ppm	0.4771 ppm	0.4812 ppm	0.4782 ppm	0.4955 ppm	0.4998 ppm	0.4840 ppm
Concentration per Run 2	0.5045 ppm	0.4814 ppm	0.4803 ppm	0.4851 ppm	0.4929 ppm	0.4975 ppm	0.4853 ppm
Concentration per Run 3	0.4984 ppm	0.4780 ppm	0.4841 ppm	0.4772 ppm	0.4940 ppm	0.5003 ppm	0.4861 ppm
Recovery Percentage 1	100.342 %	95.760 %	96.376 %	96.038 %	98.828 %	99.838 %	97.026 %
Concentration RSD	0.6 %	0.5 %	0.4 %	0.9 %	0.3 %	0.3 %	0.2 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.4785 ppm	0.4936 ppm	0.4895 ppm	0.5030 ppm	0.4996 ppm	5.1242 ppm	0.5086 ppm
Concentration per Run 1	0.4773 ppm	0.4911 ppm	0.4884 ppm	0.5023 ppm	0.5000 ppm	5.1492 ppm	0.5112 ppm
Concentration per Run 2	0.4851 ppm	0.5008 ppm	0.4939 ppm	0.5089 ppm	0.4975 ppm	5.1302 ppm	0.5105 ppm
Concentration per Run 3	0.4730 ppm	0.4889 ppm	0.4861 ppm	0.4979 ppm	0.5014 ppm	5.0932 ppm	0.5042 ppm
Recovery Percentage 1	95.693 %	98.716 %	97.897 %	100.606 %	99.928 %	102.484 %	101.723 %
Concentration RSD	1.3 %	1.3 %	0.8 %	1.1 %	0.4 %	0.6 %	0.8 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.4896 ppm	0.5005 ppm	0.4814 ppm	10.1088 ppm	0.4989 ppm	0.5094 ppm	0.4967 ppm
Concentration per Run 1	0.4897 ppm	0.5016 ppm	0.4832 ppm	10.1738 ppm	0.4982 ppm	0.5123 ppm	0.4992 ppm
Concentration per Run 2	0.4916 ppm	0.4994 ppm	0.4854 ppm	10.0641 ppm	0.5034 ppm	0.5081 ppm	0.5019 ppm
Concentration per Run 3	0.4874 ppm	0.5007 ppm	0.4755 ppm	10.0884 ppm	0.4953 ppm	0.5078 ppm	0.4889 ppm
Recovery Percentage 1	97.914 %	100.110 %	96.274 %	101.088 %	99.788 %	101.886 %	99.333 %
Concentration RSD	0.4 %	0.2 %	1.1 %	0.6 %	0.8 %	0.5 %	1.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.4894 ppm	5.2604 ppm	0.4897 ppm	0.4938 ppm	0.4874 ppm	0.5146 ppm	0.4966 ppm
Concentration per Run 1	0.4896 ppm	5.2660 ppm	0.4890 ppm	0.4949 ppm	0.4875 ppm	0.5168 ppm	0.4957 ppm
Concentration per Run 2	0.4878 ppm	5.3107 ppm	0.4967 ppm	0.4926 ppm	0.4903 ppm	0.5126 ppm	0.5003 ppm
Concentration per Run 3	0.4909 ppm	5.2046 ppm	0.4834 ppm	0.4939 ppm	0.4843 ppm	0.5144 ppm	0.4939 ppm
Recovery Percentage 1	97.886 %	100.199 %	97.941 %	98.761 %	97.474 %	102.925 %	99.325 %
Concentration RSD	0.3 %	1.0 %	1.4 %	0.2 %	0.6 %	0.4 %	0.7 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4884 ppm	99.1752 %	101.2476 %	96.9565 %	96.8064 %	99.5300 %	98.0298 %
Concentration per Run 1	0.4879 ppm	99.4827 %	100.9576 %	96.7197 %	96.9613 %	99.4252 %	98.1610 %
Concentration per Run 2	0.4930 ppm	97.9492 %	101.8511 %	97.5136 %	96.1567 %	100.0449 %	98.6816 %
Concentration per Run 3	0.4843 ppm	100.0937 %	100.9341 %	96.6361 %	97.3012 %	99.1199 %	97.2468 %
Recovery Percentage 1	97.684 %						
Concentration RSD	0.9 %	1.1 %	0.5 %	0.5 %	0.6 %	0.5 %	0.7 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: ICB
 Analysis started at: 6/30/2025 6:00:47 AM
 Rack: 0
 Vial: 4
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0000 ppm	0.0041 ppm	0.0005 ppm	0.0002 ppm	0.0000 ppm	0.0000 ppm	0.0003 ppm
Concentration per Run 1	-0.0002 ppm	0.0042 ppm	0.0002 ppm	-0.0002 ppm	0.0001 ppm	0.0000 ppm	0.0018 ppm
Concentration per Run 2	0.0001 ppm	0.0049 ppm	0.0004 ppm	0.0006 ppm	0.0000 ppm	0.0001 ppm	-0.0001 ppm
Concentration per Run 3	0.0002 ppm	0.0032 ppm	0.0011 ppm	0.0003 ppm	0.0000 ppm	0.0000 ppm	-0.0009 ppm
Recovery Percentage 1	0.135 %	4.062 %	10.747 %	0.738 %	0.265 %	1.058 %	0.257 %
Concentration RSD	2,097.0 %	21.1 %	86.1 %	181.4 %	136.4 %	57.9 %	544.3 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0000 ppm	-0.0003 ppm	0.0001 ppm	0.0002 ppm	0.0003 ppm	-0.0011 ppm	0.0000 ppm
Concentration per Run 1	0.0000 ppm	-0.0003 ppm	-0.0001 ppm	0.0001 ppm	-0.0004 ppm	-0.0085 ppm	-0.0002 ppm
Concentration per Run 2	0.0000 ppm	-0.0003 ppm	0.0003 ppm	0.0003 ppm	0.0009 ppm	-0.0016 ppm	-0.0001 ppm
Concentration per Run 3	0.0000 ppm	-0.0002 ppm	0.0000 ppm	0.0002 ppm	0.0005 ppm	0.0070 ppm	0.0001 ppm
Recovery Percentage 1	-0.028 %	-1.339 %	0.666 %	1.996 %	0.681 %	-0.043 %	-0.793 %
Concentration RSD	2,573.8 %	13.3 %	277.0 %	57.8 %	191.7 %	725.6 %	398.2 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0015 ppm	0.0001 ppm	0.0030 ppm	0.0000 ppm	0.0001 ppm	-0.0006 ppm	-0.0004 ppm
Concentration per Run 1	0.0002 ppm	0.0002 ppm	0.0029 ppm	-0.0025 ppm	0.0004 ppm	-0.0005 ppm	-0.0006 ppm
Concentration per Run 2	0.0024 ppm	0.0001 ppm	0.0032 ppm	0.0007 ppm	0.0002 ppm	-0.0009 ppm	-0.0004 ppm
Concentration per Run 3	0.0021 ppm	0.0001 ppm	0.0028 ppm	0.0017 ppm	-0.0003 ppm	-0.0004 ppm	-0.0002 ppm
Recovery Percentage 1	1.539 %	1.009 %	5.983 %	0.001 %	0.442 %	-6.014 %	-0.865 %
Concentration RSD	78.2 %	50.4 %	6.5 %	20,847.5 %	305.6 %	42.9 %	49.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0009 ppm	-0.0046 ppm	0.0002 ppm	0.0000 ppm	0.0002 ppm	0.0003 ppm	0.0001 ppm
Concentration per Run 1	0.0015 ppm	-0.0044 ppm	0.0007 ppm	0.0000 ppm	0.0002 ppm	0.0003 ppm	0.0002 ppm
Concentration per Run 2	-0.0001 ppm	-0.0047 ppm	0.0003 ppm	0.0001 ppm	0.0004 ppm	0.0010 ppm	0.0001 ppm
Concentration per Run 3	0.0012 ppm	-0.0047 ppm	-0.0004 ppm	0.0000 ppm	0.0001 ppm	-0.0003 ppm	0.0001 ppm
Recovery Percentage 1	8.716 %	-0.920 %	0.361 %	0.310 %	2.145 %	1.645 %	0.998 %
Concentration RSD	97.9 %	3.3 %	300.8 %	64.6 %	78.9 %	190.7 %	76.9 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0000 ppm	99.4347 %	99.9296 %	98.5553 %	98.7313 %	99.8975 %	99.8083 %
Concentration per Run 1	0.0000 ppm	99.6322 %	99.0375 %	98.9199 %	98.6681 %	98.8731 %	99.3733 %
Concentration per Run 2	0.0000 ppm	99.4238 %	100.8152 %	97.4577 %	98.1451 %	100.8450 %	99.7059 %
Concentration per Run 3	-0.0002 ppm	99.2482 %	99.9360 %	99.2883 %	99.3807 %	99.9744 %	100.3458 %
Recovery Percentage 1	-0.718 %						
Concentration RSD	285.0 %	0.2 %	0.9 %	1.0 %	0.6 %	1.0 %	0.5 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: ICV
Analysis started at: 6/30/2025 6:22:46 AM
Rack: 0
Vial: 10
Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.4970 ppm	0.4793 ppm	0.4842 ppm	0.4755 ppm	0.4917 ppm	0.4994 ppm	0.4867 ppm
Concentration per Run 1	0.4978 ppm	0.4854 ppm	0.4837 ppm	0.4777 ppm	0.4937 ppm	0.4987 ppm	0.4867 ppm
Concentration per Run 2	0.4961 ppm	0.4759 ppm	0.4824 ppm	0.4736 ppm	0.4910 ppm	0.4975 ppm	0.4761 ppm
Concentration per Run 3	0.4970 ppm	0.4767 ppm	0.4865 ppm	0.4753 ppm	0.4905 ppm	0.5021 ppm	0.4972 ppm
Recovery Percentage 1	99.396 %	95.867 %	96.843 %	95.107 %	98.345 %	99.886 %	97.335 %
Concentration RSD	0.2 %	1.1 %	0.4 %	0.4 %	0.3 %	0.5 %	2.2 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.4757 ppm	0.4897 ppm	0.4880 ppm	0.4960 ppm	0.5040 ppm	5.0463 ppm	0.4904 ppm
Concentration per Run 1	0.4808 ppm	0.4938 ppm	0.4890 ppm	0.4973 ppm	0.5024 ppm	5.1512 ppm	0.5003 ppm
Concentration per Run 2	0.4762 ppm	0.4889 ppm	0.4889 ppm	0.4948 ppm	0.5009 ppm	4.9993 ppm	0.4827 ppm
Concentration per Run 3	0.4701 ppm	0.4864 ppm	0.4861 ppm	0.4960 ppm	0.5087 ppm	4.9883 ppm	0.4881 ppm
Recovery Percentage 1	95.135 %	97.939 %	97.602 %	99.201 %	100.803 %	100.925 %	98.074 %
Concentration RSD	1.1 %	0.8 %	0.3 %	0.2 %	0.8 %	1.8 %	1.8 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.4883 ppm	0.5004 ppm	0.4715 ppm	9.7865 ppm	0.4981 ppm	0.5068 ppm	0.4914 ppm
Concentration per Run 1	0.4896 ppm	0.5005 ppm	0.4736 ppm	9.9228 ppm	0.4990 ppm	0.5052 ppm	0.4966 ppm
Concentration per Run 2	0.4884 ppm	0.4979 ppm	0.4712 ppm	9.7377 ppm	0.4978 ppm	0.5024 ppm	0.4897 ppm
Concentration per Run 3	0.4869 ppm	0.5027 ppm	0.4696 ppm	9.6991 ppm	0.4976 ppm	0.5129 ppm	0.4880 ppm
Recovery Percentage 1	97.662 %	100.071 %	94.295 %	97.865 %	99.628 %	101.366 %	98.284 %
Concentration RSD	0.3 %	0.5 %	0.4 %	1.2 %	0.1 %	1.1 %	0.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.4870 ppm	5.1187 ppm	0.4992 ppm	0.4869 ppm	0.4830 ppm	0.5148 ppm	0.4933 ppm
Concentration per Run 1	0.4892 ppm	5.1385 ppm	0.5025 ppm	0.4886 ppm	0.4849 ppm	0.5157 ppm	0.4958 ppm
Concentration per Run 2	0.4827 ppm	5.0984 ppm	0.4968 ppm	0.4878 ppm	0.4830 ppm	0.5079 ppm	0.4940 ppm
Concentration per Run 3	0.4891 ppm	5.1193 ppm	0.4983 ppm	0.4843 ppm	0.4810 ppm	0.5209 ppm	0.4902 ppm
Recovery Percentage 1	97.403 %	97.500 %	99.842 %	97.379 %	96.592 %	102.967 %	98.660 %
Concentration RSD	0.8 %	0.4 %	0.6 %	0.5 %	0.4 %	1.3 %	0.6 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4878 ppm	100.2057 %	100.7016 %	98.0948 %	96.7888 %	98.9688 %	98.7140 %
Concentration per Run 1	0.4906 ppm	99.8575 %	100.6518 %	98.4744 %	96.8061 %	99.3764 %	98.9032 %
Concentration per Run 2	0.4887 ppm	99.4596 %	102.2814 %	99.1595 %	95.9572 %	99.7478 %	99.0978 %
Concentration per Run 3	0.4841 ppm	101.3000 %	99.1715 %	96.6506 %	97.6030 %	97.7822 %	98.1411 %
Recovery Percentage 1	97.560 %						
Concentration RSD	0.7 %	1.0 %	1.5 %	1.3 %	0.9 %	1.1 %	0.5 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: ICB
Analysis started at: 6/30/2025 6:26:08 AM
Rack: 0
Vial: 4
Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0002 ppm	0.0003 ppm	-0.0001 ppm	0.0006 ppm	0.0000 ppm	0.0000 ppm	0.0021 ppm
Concentration per Run 1	0.0001 ppm	-0.0022 ppm	-0.0007 ppm	0.0002 ppm	0.0000 ppm	0.0000 ppm	0.0034 ppm
Concentration per Run 2	0.0001 ppm	0.0007 ppm	0.0002 ppm	-0.0001 ppm	0.0000 ppm	0.0000 ppm	0.0013 ppm
Concentration per Run 3	0.0005 ppm	0.0025 ppm	0.0002 ppm	0.0018 ppm	0.0000 ppm	0.0000 ppm	0.0016 ppm
Recovery Percentage 1	3.367 %	0.332 %	-1.771 %	2.077 %	0.164 %	0.431 %	2.109 %
Concentration RSD	91.3 %	717.7 %	569.1 %	166.2 %	110.3 %	106.5 %	53.3 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0000 ppm	-0.0002 ppm	0.0001 ppm	0.0002 ppm	0.0003 ppm	-0.0003 ppm	0.0001 ppm
Concentration per Run 1	-0.0001 ppm	0.0001 ppm	0.0001 ppm	0.0002 ppm	0.0002 ppm	-0.0052 ppm	0.0000 ppm
Concentration per Run 2	0.0000 ppm	-0.0007 ppm	0.0000 ppm	0.0002 ppm	0.0006 ppm	0.0041 ppm	0.0001 ppm
Concentration per Run 3	0.0000 ppm	0.0000 ppm	0.0003 ppm	0.0003 ppm	0.0003 ppm	0.0002 ppm	0.0001 ppm
Recovery Percentage 1	-0.661 %	-0.980 %	1.376 %	2.271 %	0.680 %	-0.011 %	1.072 %
Concentration RSD	75.4 %	216.0 %	116.8 %	30.4 %	54.6 %	1,650.3 %	131.4 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0017 ppm	0.0001 ppm	0.0025 ppm	0.0005 ppm	-0.0004 ppm	-0.0006 ppm	-0.0017 ppm
Concentration per Run 1	0.0024 ppm	0.0002 ppm	0.0028 ppm	0.0010 ppm	-0.0002 ppm	-0.0010 ppm	-0.0023 ppm
Concentration per Run 2	0.0010 ppm	0.0001 ppm	0.0025 ppm	0.0003 ppm	-0.0008 ppm	-0.0005 ppm	-0.0007 ppm
Concentration per Run 3	0.0017 ppm	0.0000 ppm	0.0023 ppm	0.0000 ppm	-0.0001 ppm	-0.0003 ppm	-0.0021 ppm
Recovery Percentage 1	1.714 %	0.995 %	5.031 %	0.023 %	-1.452 %	-5.627 %	-3.485 %
Concentration RSD	40.6 %	125.4 %	9.4 %	108.3 %	100.4 %	64.6 %	50.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0012 ppm	-0.0048 ppm	0.0003 ppm	0.0000 ppm	0.0003 ppm	0.0007 ppm	0.0000 ppm
Concentration per Run 1	0.0015 ppm	-0.0042 ppm	-0.0002 ppm	0.0000 ppm	0.0004 ppm	0.0006 ppm	0.0000 ppm
Concentration per Run 2	0.0009 ppm	-0.0049 ppm	0.0004 ppm	0.0000 ppm	0.0002 ppm	0.0011 ppm	-0.0002 ppm
Concentration per Run 3	0.0011 ppm	-0.0055 ppm	0.0007 ppm	0.0000 ppm	0.0002 ppm	0.0004 ppm	0.0001 ppm
Recovery Percentage 1	11.705 %	-0.968 %	0.662 %	-0.085 %	2.821 %	3.504 %	-0.323 %
Concentration RSD	28.3 %	13.3 %	136.3 %	255.9 %	30.4 %	51.1 %	380.4 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0002 ppm	98.9959 %	100.0569 %	98.9739 %	98.4710 %	99.8092 %	100.0373 %
Concentration per Run 1	-0.0002 ppm	97.8187 %	99.2876 %	98.8126 %	97.8017 %	99.6663 %	100.2057 %
Concentration per Run 2	-0.0003 ppm	100.0396 %	101.0236 %	99.2830 %	99.0839 %	100.0915 %	99.8304 %
Concentration per Run 3	-0.0002 ppm	99.1294 %	99.8595 %	98.8262 %	98.5273 %	99.6697 %	100.0759 %
Recovery Percentage 1	-4.831 %						
Concentration RSD	24.1 %	1.1 %	0.9 %	0.3 %	0.7 %	0.2 %	0.2 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: LLOQ
Analysis started at: 6/30/2025 6:29:21 AM
Rack: 0
Vial: 5
Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0055 ppm	0.2811 ppm	0.0049 ppm	0.0295 ppm	0.0101 ppm	0.0050 ppm	0.2792 ppm
Concentration per Run 1	0.0055 ppm	0.2846 ppm	0.0035 ppm	0.0297 ppm	0.0101 ppm	0.0050 ppm	0.2796 ppm
Concentration per Run 2	0.0053 ppm	0.2795 ppm	0.0059 ppm	0.0290 ppm	0.0100 ppm	0.0050 ppm	0.2806 ppm
Concentration per Run 3	0.0056 ppm	0.2792 ppm	0.0052 ppm	0.0297 ppm	0.0101 ppm	0.0050 ppm	0.2774 ppm
Recovery Percentage 1	109.461 %	281.056 %	97.660 %	98.275 %	100.596 %	100.418 %	279.179 %
Concentration RSD	2.5 %	1.1 %	26.1 %	1.5 %	0.2 %	0.3 %	0.6 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0037 ppm	0.0094 ppm	0.0094 ppm	0.0100 ppm	0.1278 ppm	2.5199 ppm	0.0127 ppm
Concentration per Run 1	0.0037 ppm	0.0091 ppm	0.0094 ppm	0.0099 ppm	0.1292 ppm	2.5288 ppm	0.0128 ppm
Concentration per Run 2	0.0038 ppm	0.0098 ppm	0.0094 ppm	0.0100 ppm	0.1258 ppm	2.5146 ppm	0.0126 ppm
Concentration per Run 3	0.0037 ppm	0.0094 ppm	0.0096 ppm	0.0101 ppm	0.1286 ppm	2.5164 ppm	0.0126 ppm
Recovery Percentage 1	93.325 %	94.129 %	94.457 %	99.907 %	255.699 %	100.798 %	126.722 %
Concentration RSD	1.0 %	3.7 %	1.1 %	1.0 %	1.4 %	0.3 %	1.1 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.2828 ppm	0.0100 ppm	0.0470 ppm	1.9821 ppm	0.0196 ppm	0.0093 ppm	0.0473 ppm
Concentration per Run 1	0.2841 ppm	0.0098 ppm	0.0470 ppm	1.9745 ppm	0.0199 ppm	0.0099 ppm	0.0486 ppm
Concentration per Run 2	0.2830 ppm	0.0100 ppm	0.0470 ppm	1.9931 ppm	0.0193 ppm	0.0087 ppm	0.0461 ppm
Concentration per Run 3	0.2813 ppm	0.0101 ppm	0.0471 ppm	1.9789 ppm	0.0197 ppm	0.0094 ppm	0.0474 ppm
Recovery Percentage 1	282.800 %	99.768 %	94.046 %	99.106 %	98.084 %	93.438 %	94.680 %
Concentration RSD	0.5 %	1.7 %	0.2 %	0.5 %	1.6 %	6.6 %	2.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0109 ppm	0.4711 ppm	0.0492 ppm	0.0099 ppm	0.0096 ppm	0.0205 ppm	0.0094 ppm
Concentration per Run 1	0.0101 ppm	0.4701 ppm	0.0483 ppm	0.0099 ppm	0.0096 ppm	0.0208 ppm	0.0093 ppm
Concentration per Run 2	0.0117 ppm	0.4700 ppm	0.0501 ppm	0.0098 ppm	0.0096 ppm	0.0205 ppm	0.0095 ppm
Concentration per Run 3	0.0108 ppm	0.4731 ppm	0.0494 ppm	0.0098 ppm	0.0096 ppm	0.0201 ppm	0.0095 ppm
Recovery Percentage 1	108.728 %	94.214 %	98.482 %	98.555 %	96.196 %	102.278 %	94.312 %
Concentration RSD	7.4 %	0.4 %	1.8 %	0.5 %	0.1 %	1.8 %	1.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0048 ppm	101.7894 %	101.2569 %	100.5539 %	99.2492 %	99.8598 %	100.3797 %
Concentration per Run 1	0.0047 ppm	102.0717 %	101.8655 %	100.2411 %	99.4954 %	100.3635 %	100.6370 %
Concentration per Run 2	0.0048 ppm	101.7383 %	100.9467 %	100.9981 %	99.3819 %	99.8361 %	100.0220 %
Concentration per Run 3	0.0048 ppm	101.5580 %	100.9584 %	100.4226 %	98.8702 %	99.3797 %	100.4801 %
Recovery Percentage 1	95.339 %						
Concentration RSD	2.1 %	0.3 %	0.5 %	0.4 %	0.3 %	0.5 %	0.3 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: ICSA
Analysis started at: 6/30/2025 6:32:35 AM
Rack: 0
Vial: 6
Comment: LDR +/-10%

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0015 ppm	485.3019 ppm	-0.0020 ppm	-0.0099 ppm	0.0020 ppm	0.0001 ppm	468.3448 ppm
Concentration per Run 1	0.0013 ppm	485.8660 ppm	-0.0023 ppm	-0.0085 ppm	0.0020 ppm	0.0000 ppm	465.5156 ppm
Concentration per Run 2	0.0014 ppm	487.5679 ppm	0.0015 ppm	-0.0119 ppm	0.0020 ppm	0.0001 ppm	468.2152 ppm
Concentration per Run 3	0.0018 ppm	482.4719 ppm	-0.0051 ppm	-0.0094 ppm	0.0020 ppm	0.0000 ppm	471.3036 ppm
Recovery Percentage 1	21.193 %		-39.196 %	-33.088 %	20.044 %	1.474 %	
Concentration RSD	17.4 %	0.5 %	167.2 %	17.7 %	1.8 %	49.9 %	0.6 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0005 ppm	-0.0004 ppm	0.0002 ppm	0.0050 ppm	181.0501 ppm	-0.0174 ppm	-0.0014 ppm
Concentration per Run 1	-0.0005 ppm	-0.0006 ppm	0.0005 ppm	0.0048 ppm	180.9178 ppm	-0.0228 ppm	-0.0013 ppm
Concentration per Run 2	-0.0007 ppm	-0.0001 ppm	0.0000 ppm	0.0052 ppm	181.1679 ppm	-0.0076 ppm	-0.0014 ppm
Concentration per Run 3	-0.0005 ppm	-0.0003 ppm	0.0002 ppm	0.0051 ppm	181.0645 ppm	-0.0217 ppm	-0.0014 ppm
Recovery Percentage 1	-10.991 %	-1.792 %	2.128 %	50.113 %		-0.695 %	-27.710 %
Concentration RSD	21.1 %	73.0 %	110.0 %	4.0 %	0.1 %	48.9 %	2.9 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	476.3692 ppm	0.0006 ppm	-0.0005 ppm	0.0067 ppm	-0.0001 ppm	0.0060 ppm	-0.0171 ppm
Concentration per Run 1	472.8623 ppm	0.0006 ppm	0.0002 ppm	0.0055 ppm	0.0000 ppm	0.0081 ppm	-0.0195 ppm
Concentration per Run 2	477.4068 ppm	0.0007 ppm	-0.0005 ppm	0.0089 ppm	0.0010 ppm	0.0043 ppm	-0.0183 ppm
Concentration per Run 3	478.8384 ppm	0.0006 ppm	-0.0013 ppm	0.0057 ppm	-0.0013 ppm	0.0056 ppm	-0.0137 ppm
Recovery Percentage 1		6.197 %	-0.993 %	0.334 %	-0.404 %	60.162 %	-34.280 %
Concentration RSD	0.7 %	8.5 %	150.3 %	28.9 %	1,115.2 %	32.6 %	17.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0044 ppm	-0.0019 ppm	0.0007 ppm	0.0061 ppm	-0.0001 ppm	0.0039 ppm	-0.0068 ppm
Concentration per Run 1	0.0026 ppm	-0.0060 ppm	0.0006 ppm	0.0063 ppm	0.0000 ppm	0.0052 ppm	-0.0063 ppm
Concentration per Run 2	0.0081 ppm	0.0000 ppm	-0.0005 ppm	0.0060 ppm	0.0000 ppm	0.0042 ppm	-0.0066 ppm
Concentration per Run 3	0.0027 ppm	0.0004 ppm	0.0019 ppm	0.0061 ppm	-0.0002 ppm	0.0024 ppm	-0.0073 ppm
Recovery Percentage 1	44.325 %	-0.372 %	1.330 %	61.311 %	-0.768 %	19.593 %	-67.738 %
Concentration RSD	71.2 %	192.7 %	179.9 %	2.5 %	182.4 %	36.7 %	7.7 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0080 ppm	72.2869 %	86.6355 %	72.6595 %	71.8324 %	85.6507 %	78.6885 %
Concentration per Run 1	-0.0079 ppm	73.0418 %	87.4964 %	72.7057 %	72.9106 %	86.5123 %	78.8278 %
Concentration per Run 2	-0.0079 ppm	72.3791 %	86.4197 %	72.3034 %	71.6553 %	85.6100 %	78.7929 %
Concentration per Run 3	-0.0083 ppm	71.4400 %	85.9905 %	72.9693 %	70.9313 %	84.8296 %	78.4447 %
Recovery Percentage 1	-160.813 %						
Concentration RSD	2.3 %	1.1 %	0.9 %	0.5 %	1.4 %	1.0 %	0.3 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: SIC Multi
Analysis started at: 6/30/2025 6:37:50 AM
Rack: 0
Vial: 7
Comment: LDR +/-10%

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0007 ppm	0.0286 ppm	-0.0034 ppm	0.0025 ppm	0.0002 ppm	-0.0023 ppm	0.0039 ppm
Concentration per Run 1	-0.0005 ppm	0.0277 ppm	-0.0029 ppm	0.0023 ppm	0.0001 ppm	-0.0026 ppm	0.0041 ppm
Concentration per Run 2	-0.0008 ppm	0.0288 ppm	-0.0031 ppm	0.0027 ppm	0.0002 ppm	-0.0019 ppm	0.0013 ppm
Concentration per Run 3	-0.0007 ppm	0.0292 ppm	-0.0042 ppm	0.0023 ppm	0.0002 ppm	-0.0023 ppm	0.0064 ppm
Recovery Percentage 1	-9.627 %	28.550 %	-68.291 %	8.172 %	1.636 %	-57.197 %	3.932 %
Concentration RSD	26.1 %	2.7 %	20.3 %	7.5 %	10.7 %	14.3 %	65.8 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0003 ppm	-0.0047 ppm	19.0858 ppm	-0.0020 ppm	0.0129 ppm	-0.0042 ppm	-0.0001 ppm
Concentration per Run 1	-0.0003 ppm	-0.0047 ppm	18.9265 ppm	-0.0021 ppm	0.0130 ppm	-0.0068 ppm	-0.0002 ppm
Concentration per Run 2	-0.0003 ppm	-0.0048 ppm	19.1927 ppm	-0.0022 ppm	0.0138 ppm	-0.0028 ppm	-0.0002 ppm
Concentration per Run 3	-0.0003 ppm	-0.0047 ppm	19.1382 ppm	-0.0018 ppm	0.0120 ppm	-0.0030 ppm	0.0000 ppm
Recovery Percentage 1	-5.347 %	-23.705 %	190,858.135 %	-20.166 %	25.828 %	-0.167 %	-2.651 %
Concentration RSD	4.9 %	1.5 %	0.7 %	9.4 %	7.0 %	53.9 %	82.4 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0017 ppm	19.7643 ppm	-0.0009 ppm	0.0036 ppm	0.0003 ppm	-0.0016 ppm	-0.0187 ppm
Concentration per Run 1	0.0017 ppm	19.7843 ppm	-0.0010 ppm	0.0020 ppm	-0.0005 ppm	-0.0017 ppm	-0.0144 ppm
Concentration per Run 2	0.0022 ppm	19.6914 ppm	-0.0012 ppm	0.0044 ppm	0.0009 ppm	-0.0006 ppm	-0.0189 ppm
Concentration per Run 3	0.0013 ppm	19.8172 ppm	-0.0005 ppm	0.0045 ppm	0.0004 ppm	-0.0025 ppm	-0.0228 ppm
Recovery Percentage 1	1.749 %	197,642.973 %	-1.802 %	0.182 %	1.138 %	-16.391 %	-37.384 %
Concentration RSD	25.6 %	0.3 %	37.7 %	40.1 %	250.3 %	58.9 %	22.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0050 ppm	-0.1581 ppm	0.0069 ppm	0.0001 ppm	18.6340 ppm	-0.0053 ppm	9.6407 ppm
Concentration per Run 1	-0.0048 ppm	-0.1745 ppm	0.0088 ppm	0.0001 ppm	18.5603 ppm	-0.0047 ppm	9.6558 ppm
Concentration per Run 2	-0.0042 ppm	-0.1552 ppm	0.0075 ppm	0.0001 ppm	18.7023 ppm	-0.0078 ppm	9.6580 ppm
Concentration per Run 3	-0.0059 ppm	-0.1447 ppm	0.0046 ppm	0.0001 ppm	18.6396 ppm	-0.0035 ppm	9.6083 ppm
Recovery Percentage 1	-49.794 %	-31.619 %	13.852 %	0.759 %	186,340.471 %	-26.615 %	96,406.895 %
Concentration RSD	17.5 %	9.6 %	31.1 %	24.6 %	0.4 %	41.9 %	0.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0006 ppm	100.3111 %	100.7462 %	92.3449 %	96.9830 %	98.7414 %	99.5329 %
Concentration per Run 1	-0.0006 ppm	100.2339 %	100.9711 %	92.0470 %	97.3044 %	99.4767 %	99.2323 %
Concentration per Run 2	-0.0003 ppm	99.9352 %	100.9663 %	91.8236 %	96.5647 %	98.4460 %	99.7428 %
Concentration per Run 3	-0.0008 ppm	100.7643 %	100.3012 %	93.1641 %	97.0799 %	98.3015 %	99.6235 %
Recovery Percentage 1	-11.874 %						
Concentration RSD	43.9 %	0.4 %	0.4 %	0.8 %	0.4 %	0.6 %	0.3 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: LDR Check
 Analysis started at: 6/30/2025 6:41:04 AM
 Rack: 0
 Vial: 8
 Comment: LDR +/-10%

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0013 ppm	0.0267 ppm	5.9830 ppm	4.9979 ppm	9.6895 ppm	0.0020 ppm	0.0256 ppm
Concentration per Run 1	0.0014 ppm	0.0295 ppm	5.9676 ppm	5.0081 ppm	9.7198 ppm	0.0020 ppm	0.0242 ppm
Concentration per Run 2	0.0014 ppm	0.0263 ppm	5.9722 ppm	4.9909 ppm	9.6647 ppm	0.0020 ppm	0.0249 ppm
Concentration per Run 3	0.0012 ppm	0.0244 ppm	6.0093 ppm	4.9948 ppm	9.6839 ppm	0.0019 ppm	0.0276 ppm
Recovery Percentage 1			119.661 %	99.959 %	96.895 %		
Concentration RSD	6.4 %	9.6 %	0.4 %	0.2 %	0.3 %	0.9 %	7.0 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0016 ppm	0.0061 ppm	0.0017 ppm	19.0411 ppm	0.0070 ppm	284.2671 ppm	4.7164 ppm
Concentration per Run 1	0.0015 ppm	0.0057 ppm	0.0022 ppm	19.1846 ppm	0.0060 ppm	283.7275 ppm	4.7218 ppm
Concentration per Run 2	0.0017 ppm	0.0063 ppm	0.0016 ppm	18.9777 ppm	0.0071 ppm	283.2185 ppm	4.6888 ppm
Concentration per Run 3	0.0016 ppm	0.0062 ppm	0.0012 ppm	18.9610 ppm	0.0080 ppm	285.8553 ppm	4.7386 ppm
Recovery Percentage 1	0.000 %	0.000 %		95.205 %		94.756 %	
Concentration RSD	6.8 %	5.0 %	30.7 %	0.7 %	13.7 %	0.5 %	0.5 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0044 ppm	0.0017 ppm	5.0861 [SIC 20]	409.7854 [SIC 500]	10.0879 [SIC 20]	55.3827 ppm	0.0062 ppm
Concentration per Run 1	0.0040 ppm	0.0017 ppm	5.1087 ppm	409.2345 ppm	10.1148 ppm	55.0922 ppm	0.0045 ppm
Concentration per Run 2	0.0046 ppm	0.0018 ppm	5.0695 ppm	406.8593 ppm	10.0491 ppm	55.2820 ppm	0.0069 ppm
Concentration per Run 3	0.0046 ppm	0.0017 ppm	5.0801 ppm	413.2624 ppm	10.0999 ppm	55.7738 ppm	0.0071 ppm
Recovery Percentage 1		0.000 %	101.722 %	81.957 %	100.879 %	110.765 %	0.000 %
Concentration RSD	7.7 %	2.2 %	0.4 %	0.8 %	0.3 %	0.6 %	23.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0020 ppm	20.5582 [SIC 200]	0.0033 ppm	0.0021 ppm	0.0106 ppm	-0.0304 ppm	0.0018 ppm
Concentration per Run 1	0.0027 ppm	20.6709 ppm	0.0044 ppm	0.0022 ppm	0.0117 ppm	-0.0298 ppm	0.0017 ppm
Concentration per Run 2	0.0013 ppm	20.5241 ppm	0.0025 ppm	0.0021 ppm	0.0106 ppm	-0.0301 ppm	0.0019 ppm
Concentration per Run 3	0.0018 ppm	20.4796 ppm	0.0031 ppm	0.0022 ppm	0.0096 ppm	-0.0314 ppm	0.0016 ppm
Recovery Percentage 1	0.000 %	102.791 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	35.6 %	0.5 %	29.6 %	2.3 %	10.0 %	2.7 %	9.4 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	20.5986 [SIC 50]	84.6582 %	92.6722 %	73.0952 %	81.5410 %	90.3219 %	80.6762 %
Concentration per Run 1	20.6850 ppm	84.4864 %	92.1290 %	73.5899 %	81.8460 %	89.7413 %	80.8637 %
Concentration per Run 2	20.5855 ppm	84.7333 %	93.4872 %	72.9989 %	81.4018 %	90.8449 %	80.5590 %
Concentration per Run 3	20.5253 ppm	84.7549 %	92.4005 %	72.6968 %	81.3753 %	90.3795 %	80.6060 %
Recovery Percentage 1	102.993 %						
Concentration RSD	0.4 %	0.2 %	0.8 %	0.6 %	0.3 %	0.6 %	0.2 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: LLOQ 0.05
Analysis started at: 6/30/2025 7:14:15 AM
Rack: 1
Vial: 1
Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0527 ppm	0.0513 ppm	0.0491 ppm	0.0495 ppm	0.0517 ppm	0.0512 ppm	0.0527 ppm
Concentration per Run 1	0.0530 ppm	0.0518 ppm	0.0494 ppm	0.0495 ppm	0.0517 ppm	0.0514 ppm	0.0521 ppm
Concentration per Run 2	0.0520 ppm	0.0509 ppm	0.0494 ppm	0.0498 ppm	0.0516 ppm	0.0511 ppm	0.0543 ppm
Concentration per Run 3	0.0530 ppm	0.0511 ppm	0.0483 ppm	0.0493 ppm	0.0517 ppm	0.0512 ppm	0.0518 ppm
Recovery Percentage 1	0.000 %	102.560 %	0.000 %	0.000 %	0.000 %	0.000 %	105.445 %
Concentration RSD	1.1 %	0.9 %	1.3 %	0.5 %	0.1 %	0.3 %	2.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0484 ppm	0.0510 ppm	0.0503 ppm	0.0528 ppm	0.0535 ppm	0.5477 ppm	0.0554 ppm
Concentration per Run 1	0.0483 ppm	0.0506 ppm	0.0502 ppm	0.0528 ppm	0.0534 ppm	0.5470 ppm	0.0559 ppm
Concentration per Run 2	0.0482 ppm	0.0507 ppm	0.0502 ppm	0.0528 ppm	0.0530 ppm	0.5509 ppm	0.0552 ppm
Concentration per Run 3	0.0488 ppm	0.0515 ppm	0.0506 ppm	0.0529 ppm	0.0542 ppm	0.5453 ppm	0.0551 ppm
Recovery Percentage 1	0.000 %	0.000 %	0.000 %	0.000 %	107.014 %	21.909 %	0.000 %
Concentration RSD	0.7 %	1.0 %	0.4 %	0.1 %	1.1 %	0.5 %	0.8 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0541 ppm	0.0517 ppm	0.0492 ppm	1.0669 ppm	0.0528 ppm	0.0530 ppm	0.0508 ppm
Concentration per Run 1	0.0543 ppm	0.0520 ppm	0.0494 ppm	1.0547 ppm	0.0530 ppm	0.0531 ppm	0.0507 ppm
Concentration per Run 2	0.0546 ppm	0.0516 ppm	0.0491 ppm	1.0737 ppm	0.0525 ppm	0.0529 ppm	0.0507 ppm
Concentration per Run 3	0.0533 ppm	0.0514 ppm	0.0490 ppm	1.0721 ppm	0.0529 ppm	0.0530 ppm	0.0509 ppm
Recovery Percentage 1	108.113 %	0.000 %	0.000 %	106.685 %	0.000 %	0.000 %	101.513 %
Concentration RSD	1.2 %	0.6 %	0.4 %	1.0 %	0.5 %	0.2 %	0.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0510 ppm	0.5231 ppm	0.0501 ppm	0.0517 ppm	0.0495 ppm	0.0542 ppm	0.0501 ppm
Concentration per Run 1	0.0521 ppm	0.5206 ppm	0.0500 ppm	0.0517 ppm	0.0493 ppm	0.0546 ppm	0.0500 ppm
Concentration per Run 2	0.0517 ppm	0.5218 ppm	0.0499 ppm	0.0515 ppm	0.0493 ppm	0.0537 ppm	0.0500 ppm
Concentration per Run 3	0.0493 ppm	0.5268 ppm	0.0505 ppm	0.0518 ppm	0.0499 ppm	0.0544 ppm	0.0504 ppm
Recovery Percentage 1	0.000 %	104.622 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	2.9 %	0.6 %	0.6 %	0.3 %	0.7 %	0.9 %	0.5 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0493 ppm	102.7503 %	101.0089 %	101.0723 %	99.7546 %	99.8333 %	100.4201 %
Concentration per Run 1	0.0491 ppm	103.0055 %	100.7159 %	100.2210 %	100.3901 %	99.3351 %	99.9257 %
Concentration per Run 2	0.0494 ppm	103.0101 %	100.9298 %	102.4152 %	99.5322 %	99.7210 %	100.8557 %
Concentration per Run 3	0.0496 ppm	102.2352 %	101.3809 %	100.5806 %	99.3416 %	100.4437 %	100.4788 %
Recovery Percentage 1	98.690 %						
Concentration RSD	0.5 %	0.4 %	0.3 %	1.2 %	0.6 %	0.6 %	0.5 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: LLOQ 0.100
 Analysis started at: 6/30/2025 7:17:37 AM
 Rack: 1
 Vial: 2
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0000 ppm	0.1028 ppm	-0.0009 ppm	0.0006 ppm	0.0000 ppm	0.0000 ppm	0.1013 ppm
Concentration per Run 1	-0.0001 ppm	0.1024 ppm	0.0001 ppm	0.0005 ppm	0.0000 ppm	0.0000 ppm	0.1010 ppm
Concentration per Run 2	0.0000 ppm	0.1017 ppm	-0.0008 ppm	0.0008 ppm	-0.0001 ppm	0.0000 ppm	0.1022 ppm
Concentration per Run 3	0.0003 ppm	0.1042 ppm	-0.0021 ppm	0.0005 ppm	0.0000 ppm	0.0000 ppm	0.1007 ppm
Recovery Percentage 1	0.000 %	102.778 %	-0.927 %	0.000 %	0.000 %	0.000 %	101.290 %
Concentration RSD	420.8 %	1.3 %	123.0 %	30.1 %	98.4 %	472.3 %	0.8 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0000 ppm	-0.0004 ppm	0.0003 ppm	0.0001 ppm	0.0004 ppm	0.0020 ppm	0.0005 ppm
Concentration per Run 1	-0.0001 ppm	-0.0004 ppm	0.0002 ppm	0.0002 ppm	0.0002 ppm	0.0046 ppm	0.0003 ppm
Concentration per Run 2	0.0000 ppm	-0.0002 ppm	0.0004 ppm	0.0002 ppm	0.0004 ppm	0.0058 ppm	0.0001 ppm
Concentration per Run 3	0.0000 ppm	-0.0006 ppm	0.0003 ppm	-0.0001 ppm	0.0007 ppm	-0.0043 ppm	0.0010 ppm
Recovery Percentage 1	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	139.7 %	54.9 %	38.9 %	246.8 %	56.0 %	270.5 %	96.9 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.1076 ppm	0.0001 ppm	0.0008 ppm	0.0057 ppm	0.0001 ppm	-0.0006 ppm	-0.0023 ppm
Concentration per Run 1	0.1094 ppm	0.0001 ppm	0.0007 ppm	0.0055 ppm	-0.0002 ppm	-0.0017 ppm	-0.0026 ppm
Concentration per Run 2	0.1074 ppm	0.0000 ppm	0.0010 ppm	0.0054 ppm	0.0000 ppm	0.0001 ppm	-0.0015 ppm
Concentration per Run 3	0.1059 ppm	0.0001 ppm	0.0005 ppm	0.0061 ppm	0.0004 ppm	-0.0001 ppm	-0.0028 ppm
Recovery Percentage 1	107.564 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	1.6 %	96.3 %	35.7 %	7.0 %	450.7 %	176.7 %	31.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0001 ppm	-0.0057 ppm	0.0007 ppm	0.0000 ppm	0.0000 ppm	0.0005 ppm	0.0000 ppm
Concentration per Run 1	0.0012 ppm	-0.0065 ppm	0.0006 ppm	0.0000 ppm	0.0000 ppm	0.0003 ppm	-0.0002 ppm
Concentration per Run 2	-0.0002 ppm	-0.0060 ppm	0.0012 ppm	0.0000 ppm	0.0001 ppm	0.0004 ppm	0.0000 ppm
Concentration per Run 3	-0.0005 ppm	-0.0045 ppm	0.0001 ppm	0.0000 ppm	0.0000 ppm	0.0009 ppm	0.0001 ppm
Recovery Percentage 1	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	594.4 %	18.4 %	87.0 %	441.6 %	338.0 %	65.5 %	680.1 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0002 ppm	99.3464 %	99.4607 %	100.3418 %	98.5237 %	99.7333 %	100.0876 %
Concentration per Run 1	-0.0001 ppm	98.8489 %	98.6339 %	100.4762 %	98.4251 %	99.4294 %	100.3032 %
Concentration per Run 2	-0.0002 ppm	99.0921 %	100.2896 %	99.7922 %	98.4457 %	100.2138 %	99.9570 %
Concentration per Run 3	-0.0003 ppm	100.0983 %	99.4587 %	100.7570 %	98.7004 %	99.5568 %	100.0027 %
Recovery Percentage 1	0.000 %						
Concentration RSD	66.5 %	0.7 %	0.8 %	0.5 %	0.2 %	0.4 %	0.2 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: LDR 5PPM AS
 Analysis started at: 6/30/2025 7:20:48 AM
 Rack: 1
 Vial: 3
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0005 ppm	0.0011 ppm	4.9565 ppm	-0.0009 ppm	0.0001 ppm	0.0000 ppm	0.0020 ppm
Concentration per Run 1	0.0006 ppm	0.0003 ppm	4.9513 ppm	-0.0011 ppm	0.0001 ppm	0.0000 ppm	0.0024 ppm
Concentration per Run 2	0.0005 ppm	0.0002 ppm	4.9637 ppm	-0.0004 ppm	0.0001 ppm	0.0000 ppm	0.0011 ppm
Concentration per Run 3	0.0004 ppm	0.0028 ppm	4.9546 ppm	-0.0012 ppm	0.0001 ppm	0.0000 ppm	0.0027 ppm
Concentration RSD	22.1 %	132.3 %	0.1 %	51.5 %	34.2 %	172.4 %	41.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0001 ppm	-0.0004 ppm	0.0003 ppm	0.0001 ppm	0.0009 ppm	0.0070 ppm	0.0003 ppm
Concentration per Run 1	0.0000 ppm	-0.0003 ppm	0.0002 ppm	0.0002 ppm	0.0015 ppm	-0.0014 ppm	0.0002 ppm
Concentration per Run 2	-0.0001 ppm	-0.0005 ppm	0.0004 ppm	0.0002 ppm	-0.0002 ppm	0.0126 ppm	0.0003 ppm
Concentration per Run 3	-0.0001 ppm	-0.0004 ppm	0.0003 ppm	0.0000 ppm	0.0015 ppm	0.0097 ppm	0.0004 ppm
Concentration RSD	95.3 %	26.9 %	26.7 %	94.2 %	107.6 %	106.4 %	29.7 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0033 ppm	0.0002 ppm	0.0002 ppm	0.0015 ppm	0.0000 ppm	-0.0012 ppm	0.0017 ppm
Concentration per Run 1	0.0026 ppm	0.0003 ppm	0.0004 ppm	-0.0001 ppm	0.0003 ppm	-0.0008 ppm	0.0012 ppm
Concentration per Run 2	0.0038 ppm	0.0002 ppm	-0.0001 ppm	0.0028 ppm	0.0002 ppm	-0.0018 ppm	0.0015 ppm
Concentration per Run 3	0.0035 ppm	0.0002 ppm	0.0004 ppm	0.0019 ppm	-0.0004 ppm	-0.0011 ppm	0.0023 ppm
Concentration RSD	19.6 %	12.0 %	122.9 %	96.2 %	5,646.3 %	42.3 %	34.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0002 ppm	-0.0058 ppm	-0.0001 ppm	0.0000 ppm	0.0000 ppm	-0.0002 ppm	0.0001 ppm
Concentration per Run 1	-0.0006 ppm	-0.0056 ppm	0.0003 ppm	-0.0001 ppm	0.0000 ppm	0.0002 ppm	0.0000 ppm
Concentration per Run 2	-0.0004 ppm	-0.0060 ppm	-0.0006 ppm	0.0000 ppm	-0.0002 ppm	-0.0010 ppm	0.0001 ppm
Concentration per Run 3	0.0005 ppm	-0.0059 ppm	0.0000 ppm	-0.0001 ppm	0.0001 ppm	0.0004 ppm	0.0001 ppm
Concentration RSD	365.7 %	4.3 %	544.2 %	95.0 %	388.1 %	457.9 %	40.9 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0000 ppm	102.4418 %	102.2588 %	101.7381 %	99.4939 %	100.8466 %	101.3626 %
Concentration per Run 1	-0.0001 ppm	102.7412 %	102.4553 %	101.0610 %	99.5682 %	101.2632 %	101.0549 %
Concentration per Run 2	0.0001 ppm	101.4197 %	101.8380 %	102.4224 %	99.3031 %	100.3832 %	101.1457 %
Concentration per Run 3	0.0000 ppm	103.1646 %	102.4831 %	101.7309 %	99.6103 %	100.8933 %	101.8870 %
Concentration RSD	349.9 %	0.9 %	0.4 %	0.7 %	0.2 %	0.4 %	0.5 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: LDR 50PPM PB
 Analysis started at: 6/30/2025 7:23:59 AM
 Rack: 1
 Vial: 4
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0002 ppm	-0.0021 ppm	0.0011 ppm	0.0008 ppm	0.0001 ppm	0.0000 ppm	0.0037 ppm
Concentration per Run 1	0.0001 ppm	-0.0022 ppm	0.0006 ppm	0.0001 ppm	0.0000 ppm	0.0000 ppm	0.0046 ppm
Concentration per Run 2	0.0003 ppm	0.0003 ppm	0.0007 ppm	0.0012 ppm	0.0001 ppm	0.0000 ppm	0.0027 ppm
Concentration per Run 3	0.0000 ppm	-0.0043 ppm	0.0020 ppm	0.0012 ppm	0.0001 ppm	0.0000 ppm	0.0038 ppm
Concentration RSD	86.3 %	113.4 %	76.5 %	71.4 %	29.0 %	942.1 %	26.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0000 ppm	-0.0001 ppm	0.0000 ppm	0.0000 ppm	0.0019 ppm	-0.0034 ppm	0.0005 ppm
Concentration per Run 1	0.0000 ppm	0.0000 ppm	0.0002 ppm	-0.0001 ppm	0.0021 ppm	-0.0053 ppm	0.0003 ppm
Concentration per Run 2	0.0001 ppm	-0.0001 ppm	-0.0003 ppm	0.0000 ppm	0.0023 ppm	0.0012 ppm	0.0004 ppm
Concentration per Run 3	-0.0001 ppm	-0.0001 ppm	0.0000 ppm	0.0001 ppm	0.0012 ppm	-0.0062 ppm	0.0007 ppm
Concentration RSD	3,849.3 %	85.1 %	497.4 %	1,004.9 %	30.7 %	118.8 %	40.6 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0034 ppm	0.0001 ppm	0.0002 ppm	0.0045 ppm	0.0014 ppm	52.2569 ppm	-0.0033 ppm
Concentration per Run 1	0.0040 ppm	0.0001 ppm	0.0003 ppm	0.0031 ppm	0.0021 ppm	52.2143 ppm	-0.0024 ppm
Concentration per Run 2	0.0037 ppm	0.0000 ppm	0.0002 ppm	0.0034 ppm	0.0014 ppm	52.2953 ppm	-0.0057 ppm
Concentration per Run 3	0.0025 ppm	0.0003 ppm	0.0001 ppm	0.0071 ppm	0.0006 ppm	52.2611 ppm	-0.0017 ppm
Concentration RSD	23.9 %	104.2 %	64.2 %	49.4 %	53.3 %	0.1 %	64.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0016 ppm	-0.0060 ppm	-0.0004 ppm	0.0000 ppm	0.0001 ppm	-0.0008 ppm	-0.0001 ppm
Concentration per Run 1	0.0011 ppm	-0.0049 ppm	-0.0003 ppm	0.0000 ppm	0.0003 ppm	-0.0010 ppm	-0.0001 ppm
Concentration per Run 2	0.0013 ppm	-0.0064 ppm	-0.0001 ppm	0.0000 ppm	-0.0001 ppm	-0.0004 ppm	0.0001 ppm
Concentration per Run 3	0.0024 ppm	-0.0068 ppm	-0.0009 ppm	0.0000 ppm	0.0002 ppm	-0.0009 ppm	-0.0002 ppm
Concentration RSD	43.0 %	16.8 %	86.2 %	647.5 %	165.8 %	39.1 %	280.6 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0002 ppm	101.3256 %	100.8726 %	100.0140 %	99.0398 %	100.2917 %	100.3139 %
Concentration per Run 1	0.0003 ppm	100.4936 %	101.0433 %	100.5650 %	98.0838 %	100.0280 %	100.7023 %
Concentration per Run 2	0.0001 ppm	101.4273 %	100.3955 %	99.4461 %	99.4059 %	100.0205 %	99.6936 %
Concentration per Run 3	0.0002 ppm	102.0560 %	101.1789 %	100.0308 %	99.6298 %	100.8267 %	100.5459 %
Concentration RSD	52.0 %	0.8 %	0.4 %	0.6 %	0.8 %	0.5 %	0.5 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: XLDR 500PPM NA
 Analysis started at: 6/30/2025 7:27:10 AM
 Rack: 1
 Vial: 5
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0000 ppm	-0.0030 ppm	-0.0008 ppm	0.0004 ppm	0.0001 ppm	0.0000 ppm	0.0017 ppm
Concentration per Run 1	-0.0002 ppm	-0.0022 ppm	-0.0004 ppm	0.0000 ppm	0.0001 ppm	0.0000 ppm	0.0028 ppm
Concentration per Run 2	-0.0001 ppm	-0.0041 ppm	-0.0007 ppm	0.0008 ppm	0.0001 ppm	0.0000 ppm	0.0031 ppm
Concentration per Run 3	0.0002 ppm	-0.0026 ppm	-0.0014 ppm	0.0003 ppm	0.0000 ppm	0.0000 ppm	-0.0009 ppm
Concentration RSD	538.6 %	33.4 %	68.7 %	97.9 %	99.6 %	54.4 %	131.8 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0000 ppm	0.0002 ppm	0.0003 ppm	0.0005 ppm	0.0000 ppm	0.0806 ppm	0.0000 ppm
Concentration per Run 1	0.0000 ppm	0.0001 ppm	0.0004 ppm	0.0004 ppm	0.0006 ppm	0.0786 ppm	0.0001 ppm
Concentration per Run 2	0.0000 ppm	-0.0002 ppm	0.0003 ppm	0.0006 ppm	0.0000 ppm	0.0791 ppm	-0.0001 ppm
Concentration per Run 3	-0.0001 ppm	0.0006 ppm	0.0001 ppm	0.0004 ppm	-0.0006 ppm	0.0841 ppm	0.0001 ppm
Concentration RSD	270.6 %	213.5 %	47.7 %	21.8 %	28,088.5 %	3.8 %	376.2 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0032 ppm	0.0004 ppm	0.0000 ppm	413.1646 [SIC 500]	0.0004 ppm	0.0031 ppm	-0.0019 ppm
Concentration per Run 1	0.0036 ppm	0.0003 ppm	0.0000 ppm	413.2965 ppm	0.0001 ppm	0.0042 ppm	-0.0014 ppm
Concentration per Run 2	0.0037 ppm	0.0003 ppm	0.0000 ppm	416.9936 ppm	0.0007 ppm	0.0022 ppm	-0.0017 ppm
Concentration per Run 3	0.0022 ppm	0.0005 ppm	0.0001 ppm	409.2037 ppm	0.0004 ppm	0.0028 ppm	-0.0026 ppm
Concentration RSD	26.6 %	33.9 %	179.8 %	0.9 %	80.3 %	32.7 %	31.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0003 ppm	-0.0067 ppm	-0.0005 ppm	0.0000 ppm	0.0001 ppm	0.0003 ppm	0.0001 ppm
Concentration per Run 1	0.0002 ppm	-0.0076 ppm	0.0001 ppm	0.0000 ppm	0.0001 ppm	0.0008 ppm	0.0000 ppm
Concentration per Run 2	0.0018 ppm	-0.0050 ppm	-0.0012 ppm	0.0000 ppm	0.0001 ppm	-0.0005 ppm	0.0002 ppm
Concentration per Run 3	-0.0010 ppm	-0.0075 ppm	-0.0004 ppm	0.0000 ppm	0.0001 ppm	0.0006 ppm	0.0001 ppm
Concentration RSD	431.3 %	21.5 %	135.7 %	1,146.7 %	22.4 %	221.1 %	79.4 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0101 ppm	88.8941 %	94.1881 %	79.3395 %	85.0150 %	92.1670 %	88.6762 %
Concentration per Run 1	0.0104 ppm	89.0402 %	93.6257 %	78.7115 %	85.3668 %	91.3656 %	88.5330 %
Concentration per Run 2	0.0100 ppm	88.9399 %	93.8522 %	80.2800 %	85.1485 %	92.4881 %	88.7580 %
Concentration per Run 3	0.0100 ppm	88.7022 %	95.0863 %	79.0271 %	84.5299 %	92.6474 %	88.7376 %
Concentration RSD	2.2 %	0.2 %	0.8 %	1.0 %	0.5 %	0.8 %	0.1 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: CCV
Analysis started at: 6/30/2025 7:54:29 AM
Rack: 0
Vial: 3
Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.4971 ppm	0.4638 ppm	0.4845 ppm	0.4736 ppm	0.4837 ppm	0.5009 ppm	0.5015 ppm
Concentration per Run 1	0.4977 ppm	0.4662 ppm	0.4873 ppm	0.4737 ppm	0.4865 ppm	0.5031 ppm	0.5083 ppm
Concentration per Run 2	0.4974 ppm	0.4634 ppm	0.4835 ppm	0.4724 ppm	0.4816 ppm	0.4978 ppm	0.4996 ppm
Concentration per Run 3	0.4963 ppm	0.4617 ppm	0.4827 ppm	0.4746 ppm	0.4830 ppm	0.5019 ppm	0.4965 ppm
Recovery Percentage 1	99.426 %	92.754 %	96.898 %	94.714 %	96.734 %	100.189 %	100.293 %
Concentration RSD	0.1 %	0.5 %	0.5 %	0.2 %	0.5 %	0.6 %	1.2 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.4853 ppm	0.4884 ppm	0.4924 ppm	0.4908 ppm	0.5051 ppm	4.8172 ppm	0.4754 ppm
Concentration per Run 1	0.4822 ppm	0.4854 ppm	0.4926 ppm	0.4895 ppm	0.5105 ppm	4.8343 ppm	0.4778 ppm
Concentration per Run 2	0.4842 ppm	0.4873 ppm	0.4913 ppm	0.4899 ppm	0.5014 ppm	4.7942 ppm	0.4678 ppm
Concentration per Run 3	0.4896 ppm	0.4926 ppm	0.4931 ppm	0.4930 ppm	0.5034 ppm	4.8231 ppm	0.4806 ppm
Recovery Percentage 1	97.068 %	97.681 %	98.475 %	98.161 %	101.020 %	96.344 %	95.075 %
Concentration RSD	0.8 %	0.8 %	0.2 %	0.4 %	1.0 %	0.4 %	1.4 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.4945 ppm	0.5048 ppm	0.4773 ppm	9.4114 ppm	0.5038 ppm	0.5114 ppm	0.4970 ppm
Concentration per Run 1	0.4948 ppm	0.5095 ppm	0.4758 ppm	9.3594 ppm	0.5029 ppm	0.5151 ppm	0.4956 ppm
Concentration per Run 2	0.4943 ppm	0.5021 ppm	0.4766 ppm	9.4291 ppm	0.5044 ppm	0.5091 ppm	0.4967 ppm
Concentration per Run 3	0.4946 ppm	0.5027 ppm	0.4794 ppm	9.4457 ppm	0.5041 ppm	0.5100 ppm	0.4986 ppm
Recovery Percentage 1	98.910 %	100.958 %	95.456 %	94.114 %	100.762 %	102.282 %	99.400 %
Concentration RSD	0.1 %	0.8 %	0.4 %	0.5 %	0.2 %	0.6 %	0.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.4888 ppm	5.1590 ppm	0.4913 ppm	0.4838 ppm	0.4809 ppm	0.5130 ppm	0.4923 ppm
Concentration per Run 1	0.4846 ppm	5.1413 ppm	0.4907 ppm	0.4835 ppm	0.4791 ppm	0.5153 ppm	0.4906 ppm
Concentration per Run 2	0.4877 ppm	5.1629 ppm	0.4923 ppm	0.4839 ppm	0.4814 ppm	0.5112 ppm	0.4915 ppm
Concentration per Run 3	0.4942 ppm	5.1728 ppm	0.4908 ppm	0.4840 ppm	0.4822 ppm	0.5126 ppm	0.4949 ppm
Recovery Percentage 1	97.765 %	98.267 %	98.255 %	96.759 %	96.175 %	102.609 %	98.469 %
Concentration RSD	1.0 %	0.3 %	0.2 %	0.0 %	0.3 %	0.4 %	0.5 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5002 ppm	101.8589 %	101.1498 %	100.7014 %	97.8023 %	99.8735 %	101.3925 %
Concentration per Run 1	0.4997 ppm	102.2256 %	100.4212 %	100.4649 %	97.7610 %	99.9850 %	101.3469 %
Concentration per Run 2	0.5002 ppm	102.0292 %	102.1566 %	100.3187 %	97.8225 %	100.3974 %	100.9210 %
Concentration per Run 3	0.5005 ppm	101.3218 %	100.8716 %	101.3208 %	97.8235 %	99.2381 %	101.9097 %
Recovery Percentage 1	100.031 %						
Concentration RSD	0.1 %	0.5 %	0.9 %	0.5 %	0.0 %	0.6 %	0.5 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: CCB
Analysis started at: 6/30/2025 7:57:53 AM
Rack: 0
Vial: 4
Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0002 ppm	-0.0017 ppm	-0.0002 ppm	0.0001 ppm	0.0001 ppm	0.0000 ppm	0.0021 ppm
Concentration per Run 1	0.0001 ppm	-0.0043 ppm	-0.0008 ppm	0.0005 ppm	0.0001 ppm	0.0000 ppm	0.0050 ppm
Concentration per Run 2	0.0005 ppm	-0.0031 ppm	-0.0001 ppm	-0.0005 ppm	0.0000 ppm	0.0000 ppm	-0.0012 ppm
Concentration per Run 3	0.0000 ppm	0.0022 ppm	0.0002 ppm	0.0005 ppm	0.0000 ppm	0.0000 ppm	0.0026 ppm
Recovery Percentage 1	2.689 %	-1.728 %	-4.816 %	0.494 %	0.570 %	0.116 %	2.101 %
Concentration RSD	139.2 %	199.4 %	208.0 %	366.3 %	133.3 %	257.5 %	149.3 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0000 ppm	-0.0001 ppm	0.0003 ppm	0.0002 ppm	-0.0003 ppm	0.0022 ppm	0.0000 ppm
Concentration per Run 1	0.0000 ppm	-0.0004 ppm	0.0003 ppm	0.0003 ppm	0.0001 ppm	0.0019 ppm	-0.0003 ppm
Concentration per Run 2	0.0001 ppm	0.0000 ppm	0.0003 ppm	0.0003 ppm	-0.0019 ppm	0.0099 ppm	0.0000 ppm
Concentration per Run 3	0.0000 ppm	0.0000 ppm	0.0003 ppm	-0.0001 ppm	0.0010 ppm	-0.0052 ppm	0.0004 ppm
Recovery Percentage 1	0.998 %	-0.713 %	2.945 %	1.743 %	-0.510 %	0.088 %	0.351 %
Concentration RSD	93.6 %	177.8 %	14.5 %	112.3 %	588.2 %	344.9 %	1,979.5 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0013 ppm	0.0001 ppm	0.0022 ppm	0.0012 ppm	0.0000 ppm	-0.0006 ppm	-0.0007 ppm
Concentration per Run 1	0.0007 ppm	0.0000 ppm	0.0023 ppm	0.0025 ppm	-0.0003 ppm	-0.0006 ppm	-0.0028 ppm
Concentration per Run 2	0.0019 ppm	0.0000 ppm	0.0021 ppm	0.0005 ppm	0.0000 ppm	-0.0008 ppm	-0.0003 ppm
Concentration per Run 3	0.0012 ppm	0.0002 ppm	0.0021 ppm	0.0006 ppm	0.0002 ppm	-0.0002 ppm	0.0010 ppm
Recovery Percentage 1	1.273 %	0.905 %	4.344 %	0.060 %	-0.101 %	-5.517 %	-1.456 %
Concentration RSD	48.7 %	117.0 %	5.9 %	91.4 %	1,035.1 %	52.2 %	262.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0021 ppm	-0.0053 ppm	0.0010 ppm	0.0000 ppm	0.0002 ppm	-0.0003 ppm	0.0000 ppm
Concentration per Run 1	0.0029 ppm	-0.0039 ppm	0.0014 ppm	0.0000 ppm	0.0000 ppm	-0.0005 ppm	0.0000 ppm
Concentration per Run 2	0.0008 ppm	-0.0066 ppm	0.0008 ppm	-0.0001 ppm	0.0002 ppm	-0.0001 ppm	-0.0001 ppm
Concentration per Run 3	0.0027 ppm	-0.0055 ppm	0.0007 ppm	0.0001 ppm	0.0003 ppm	-0.0002 ppm	0.0001 ppm
Recovery Percentage 1	21.181 %	-1.068 %	1.942 %	-0.193 %	1.878 %	-1.482 %	0.104 %
Concentration RSD	53.8 %	25.7 %	40.0 %	358.3 %	80.0 %	72.5 %	789.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0002 ppm	101.2520 %	99.6871 %	100.7297 %	100.2366 %	99.9726 %	101.7353 %
Concentration per Run 1	0.0000 ppm	100.0274 %	99.3060 %	100.8084 %	99.2570 %	99.9201 %	102.3271 %
Concentration per Run 2	-0.0003 ppm	101.3455 %	100.0521 %	100.2196 %	100.1781 %	99.7311 %	101.1870 %
Concentration per Run 3	-0.0004 ppm	102.3832 %	99.7031 %	101.1612 %	101.2748 %	100.2665 %	101.6918 %
Recovery Percentage 1	-4.159 %						
Concentration RSD	82.8 %	1.2 %	0.4 %	0.5 %	1.0 %	0.3 %	0.6 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: WG2083283-1 WG2083283
 Analysis started at: 6/30/2025 8:17:18 AM
 Rack: 1
 Vial: 6
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0001 ppm	0.0009 ppm	-0.0001 ppm	0.0007 ppm	0.0002 ppm	0.0000 ppm	0.0148 ppm
Concentration per Run 1	0.0000 ppm	0.0038 ppm	0.0004 ppm	0.0006 ppm	0.0002 ppm	0.0000 ppm	0.0157 ppm
Concentration per Run 2	0.0002 ppm	-0.0021 ppm	0.0002 ppm	0.0002 ppm	0.0001 ppm	0.0000 ppm	0.0137 ppm
Concentration per Run 3	0.0002 ppm	0.0011 ppm	-0.0008 ppm	0.0012 ppm	0.0002 ppm	0.0000 ppm	0.0151 ppm
Concentration RSD	92.0 %	318.7 %	958.4 %	77.1 %	31.5 %	216.2 %	6.9 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0000 ppm	0.0001 ppm	0.0002 ppm	-0.0001 ppm	0.0006 ppm	0.0048 ppm	0.0003 ppm
Concentration per Run 1	-0.0001 ppm	0.0002 ppm	0.0001 ppm	-0.0002 ppm	0.0006 ppm	0.0048 ppm	0.0000 ppm
Concentration per Run 2	0.0000 ppm	0.0002 ppm	0.0005 ppm	-0.0002 ppm	0.0001 ppm	0.0072 ppm	0.0008 ppm
Concentration per Run 3	0.0000 ppm	-0.0002 ppm	0.0000 ppm	-0.0001 ppm	0.0010 ppm	0.0024 ppm	0.0001 ppm
Concentration RSD	113.7 %	262.2 %	167.5 %	42.9 %	78.7 %	50.3 %	154.6 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0065 ppm	0.0001 ppm	0.0002 ppm	0.0000 ppm	0.0006 ppm	-0.0004 ppm	-0.0005 ppm
Concentration per Run 1	0.0067 ppm	0.0002 ppm	0.0003 ppm	0.0020 ppm	0.0010 ppm	-0.0004 ppm	-0.0020 ppm
Concentration per Run 2	0.0065 ppm	0.0001 ppm	0.0002 ppm	-0.0016 ppm	0.0002 ppm	-0.0006 ppm	0.0008 ppm
Concentration per Run 3	0.0063 ppm	0.0001 ppm	-0.0001 ppm	-0.0004 ppm	0.0006 ppm	0.0000 ppm	-0.0002 ppm
Concentration RSD	3.4 %	41.6 %	128.1 %	18,379.1 %	71.1 %	82.1 %	309.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0016 ppm	0.0034 ppm	0.0002 ppm	0.0000 ppm	0.0002 ppm	0.0007 ppm	0.0000 ppm
Concentration per Run 1	0.0008 ppm	0.0036 ppm	-0.0004 ppm	0.0000 ppm	0.0000 ppm	0.0012 ppm	0.0000 ppm
Concentration per Run 2	0.0026 ppm	0.0040 ppm	0.0002 ppm	0.0000 ppm	0.0002 ppm	0.0000 ppm	0.0001 ppm
Concentration per Run 3	0.0014 ppm	0.0025 ppm	0.0008 ppm	0.0001 ppm	0.0002 ppm	0.0010 ppm	-0.0001 ppm
Concentration RSD	59.2 %	23.0 %	339.2 %	107.7 %	62.4 %	91.5 %	446.4 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0006 ppm	102.3993 %	101.7826 %	104.2659 %	101.8637 %	102.0905 %	103.9866 %
Concentration per Run 1	0.0009 ppm	102.1829 %	101.2580 %	104.8206 %	102.0669 %	101.5617 %	104.6582 %
Concentration per Run 2	0.0007 ppm	103.1002 %	102.1707 %	104.8832 %	102.4553 %	102.6777 %	104.3588 %
Concentration per Run 3	0.0002 ppm	101.9149 %	101.9191 %	103.0940 %	101.0690 %	102.0320 %	102.9428 %
Concentration RSD	55.5 %	0.6 %	0.5 %	1.0 %	0.7 %	0.5 %	0.9 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: WG2083283-2 WG2083283
 Analysis started at: 6/30/2025 8:20:37 AM
 Rack: 1
 Vial: 7
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0546 ppm	2.2419 ppm	0.1218 ppm	0.9399 ppm	2.2061 ppm	0.0550 ppm	10.1482 ppm
Concentration per Run 1	0.0543 ppm	2.2642 ppm	0.1207 ppm	0.9389 ppm	2.2093 ppm	0.0552 ppm	10.1722 ppm
Concentration per Run 2	0.0547 ppm	2.2223 ppm	0.1217 ppm	0.9391 ppm	2.1969 ppm	0.0547 ppm	10.1144 ppm
Concentration per Run 3	0.0548 ppm	2.2391 ppm	0.1229 ppm	0.9418 ppm	2.2121 ppm	0.0550 ppm	10.1582 ppm
Concentration RSD	0.5 %	0.9 %	0.9 %	0.2 %	0.4 %	0.4 %	0.3 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0497 ppm	0.5204 ppm	0.2086 ppm	0.2671 ppm	1.1065 ppm	10.7188 ppm	0.0003 ppm
Concentration per Run 1	0.0493 ppm	0.5184 ppm	0.2093 ppm	0.2647 ppm	1.1106 ppm	10.7981 ppm	0.0003 ppm
Concentration per Run 2	0.0495 ppm	0.5182 ppm	0.2080 ppm	0.2687 ppm	1.1047 ppm	10.6206 ppm	0.0004 ppm
Concentration per Run 3	0.0502 ppm	0.5247 ppm	0.2086 ppm	0.2680 ppm	1.1043 ppm	10.7377 ppm	0.0003 ppm
Concentration RSD	0.9 %	0.7 %	0.3 %	0.8 %	0.3 %	0.8 %	11.8 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	9.8495 ppm	0.5378 ppm	0.9432 ppm	10.5349 ppm	0.5297 ppm	0.5416 ppm	0.4285 ppm
Concentration per Run 1	9.8362 ppm	0.5403 ppm	0.9354 ppm	10.7587 ppm	0.5321 ppm	0.5431 ppm	0.4245 ppm
Concentration per Run 2	9.8233 ppm	0.5360 ppm	0.9423 ppm	10.3977 ppm	0.5268 ppm	0.5365 ppm	0.4266 ppm
Concentration per Run 3	9.8889 ppm	0.5370 ppm	0.9520 ppm	10.4484 ppm	0.5303 ppm	0.5451 ppm	0.4345 ppm
Concentration RSD	0.4 %	0.4 %	0.9 %	1.9 %	0.5 %	0.8 %	1.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.1220 ppm	1.1321 ppm	0.9566 ppm	0.9840 ppm	0.9772 ppm	0.1247 ppm	0.5469 ppm
Concentration per Run 1	0.1220 ppm	1.1227 ppm	0.9576 ppm	0.9867 ppm	0.9771 ppm	0.1253 ppm	0.5462 ppm
Concentration per Run 2	0.1227 ppm	1.1324 ppm	0.9533 ppm	0.9782 ppm	0.9743 ppm	0.1236 ppm	0.5468 ppm
Concentration per Run 3	0.1213 ppm	1.1412 ppm	0.9590 ppm	0.9872 ppm	0.9802 ppm	0.1253 ppm	0.5477 ppm
Concentration RSD	0.6 %	0.8 %	0.3 %	0.5 %	0.3 %	0.8 %	0.1 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5310 ppm	100.6031 %	102.1116 %	96.8117 %	97.4774 %	100.2208 %	98.9841 %
Concentration per Run 1	0.5355 ppm	100.9867 %	101.1738 %	96.8873 %	97.7820 %	99.8138 %	99.2889 %
Concentration per Run 2	0.5255 ppm	100.7119 %	102.7362 %	97.1993 %	97.4086 %	100.3939 %	98.8581 %
Concentration per Run 3	0.5320 ppm	100.1106 %	102.4249 %	96.3484 %	97.2415 %	100.4545 %	98.8053 %
Concentration RSD	1.0 %	0.4 %	0.8 %	0.4 %	0.3 %	0.4 %	0.3 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: XLDR 250 Na
Analysis started at: 6/30/2025 8:23:49 AM
Rack: 1
Vial: 19
Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0001 ppm	-0.0041 ppm	-0.0001 ppm	0.0003 ppm	0.0001 ppm	0.0000 ppm	0.0019 ppm
Concentration per Run 1	-0.0001 ppm	-0.0027 ppm	0.0000 ppm	0.0000 ppm	0.0001 ppm	0.0000 ppm	0.0036 ppm
Concentration per Run 2	0.0002 ppm	-0.0047 ppm	-0.0005 ppm	0.0006 ppm	0.0002 ppm	0.0000 ppm	0.0013 ppm
Concentration per Run 3	0.0003 ppm	-0.0048 ppm	0.0003 ppm	0.0003 ppm	0.0001 ppm	0.0000 ppm	0.0007 ppm
Concentration RSD	179.2 %	29.8 %	513.5 %	94.3 %	35.4 %	126.9 %	82.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0000 ppm	0.0001 ppm	0.0001 ppm	0.0002 ppm	0.0016 ppm	0.0441 ppm	0.0004 ppm
Concentration per Run 1	0.0000 ppm	0.0001 ppm	0.0000 ppm	0.0003 ppm	0.0013 ppm	0.0599 ppm	0.0001 ppm
Concentration per Run 2	0.0000 ppm	-0.0002 ppm	0.0002 ppm	0.0003 ppm	0.0009 ppm	0.0291 ppm	0.0006 ppm
Concentration per Run 3	0.0000 ppm	0.0003 ppm	0.0002 ppm	0.0000 ppm	0.0026 ppm	0.0432 ppm	0.0005 ppm
Concentration RSD	70.8 %	422.3 %	58.5 %	84.5 %	54.9 %	34.9 %	70.0 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0040 ppm	0.0002 ppm	0.0051 ppm	216.6669 [SIC 500]	0.0004 ppm	0.0002 ppm	0.0092 ppm
Concentration per Run 1	0.0048 ppm	0.0002 ppm	0.0053 ppm	218.8909 ppm	0.0005 ppm	0.0006 ppm	0.0104 ppm
Concentration per Run 2	0.0024 ppm	0.0001 ppm	0.0049 ppm	213.9302 ppm	0.0009 ppm	0.0001 ppm	0.0099 ppm
Concentration per Run 3	0.0049 ppm	0.0004 ppm	0.0051 ppm	217.1795 ppm	-0.0001 ppm	-0.0003 ppm	0.0073 ppm
Concentration RSD	35.1 %	45.8 %	4.0 %	1.2 %	117.2 %	305.4 %	17.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0005 ppm	-0.0070 ppm	0.0058 ppm	0.0000 ppm	0.0003 ppm	0.0002 ppm	0.0001 ppm
Concentration per Run 1	-0.0005 ppm	-0.0059 ppm	0.0062 ppm	0.0000 ppm	0.0004 ppm	0.0003 ppm	0.0000 ppm
Concentration per Run 2	-0.0002 ppm	-0.0075 ppm	0.0058 ppm	0.0000 ppm	0.0004 ppm	0.0004 ppm	0.0001 ppm
Concentration per Run 3	-0.0008 ppm	-0.0075 ppm	0.0054 ppm	0.0000 ppm	0.0002 ppm	-0.0001 ppm	0.0001 ppm
Concentration RSD	53.1 %	12.8 %	7.1 %	13.5 %	25.8 %	126.1 %	95.9 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0047 ppm	93.3603 %	98.6668 %	85.6278 %	89.5644 %	96.6192 %	92.5125 %
Concentration per Run 1	0.0047 ppm	92.9912 %	99.6062 %	85.6898 %	89.4132 %	97.5313 %	92.6170 %
Concentration per Run 2	0.0049 ppm	93.6119 %	97.9364 %	85.7537 %	89.4332 %	95.9951 %	92.2926 %
Concentration per Run 3	0.0046 ppm	93.4779 %	98.4578 %	85.4399 %	89.8467 %	96.3313 %	92.6279 %
Concentration RSD	2.8 %	0.3 %	0.9 %	0.2 %	0.3 %	0.8 %	0.2 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: L2538013-02 WG2083283
 Analysis started at: 6/30/2025 8:27:01 AM
 Rack: 1
 Vial: 13
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0001 ppm	-0.0045 ppm	-0.0004 ppm	0.0183 ppm	0.0261 ppm	0.0000 ppm	10.8406 ppm
Concentration per Run 1	-0.0001 ppm	-0.0022 ppm	-0.0016 ppm	0.0175 ppm	0.0261 ppm	0.0000 ppm	10.9738 ppm
Concentration per Run 2	-0.0001 ppm	-0.0066 ppm	-0.0001 ppm	0.0187 ppm	0.0261 ppm	0.0000 ppm	10.8251 ppm
Concentration per Run 3	-0.0002 ppm	-0.0047 ppm	0.0006 ppm	0.0187 ppm	0.0260 ppm	0.0000 ppm	10.7228 ppm
Concentration RSD	57.9 %	48.4 %	286.7 %	3.7 %	0.3 %	30.7 %	1.2 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0000 ppm	-0.0001 ppm	0.0015 ppm	0.0002 ppm	0.0032 ppm	1.1245 ppm	0.0018 ppm
Concentration per Run 1	-0.0001 ppm	-0.0002 ppm	0.0014 ppm	0.0003 ppm	0.0038 ppm	1.1195 ppm	0.0017 ppm
Concentration per Run 2	0.0000 ppm	-0.0003 ppm	0.0016 ppm	0.0000 ppm	0.0032 ppm	1.1309 ppm	0.0018 ppm
Concentration per Run 3	-0.0001 ppm	0.0001 ppm	0.0014 ppm	0.0003 ppm	0.0026 ppm	1.1231 ppm	0.0018 ppm
Concentration RSD	225.9 %	184.5 %	6.0 %	86.4 %	18.2 %	0.5 %	5.1 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	4.7547 ppm	0.0006 ppm	0.0012 ppm	14.9501 ppm	0.0009 ppm	-0.0008 ppm	0.0011 ppm
Concentration per Run 1	4.7367 ppm	0.0006 ppm	0.0010 ppm	14.8753 ppm	0.0009 ppm	-0.0007 ppm	0.0009 ppm
Concentration per Run 2	4.7710 ppm	0.0006 ppm	0.0012 ppm	15.0309 ppm	0.0009 ppm	-0.0018 ppm	-0.0006 ppm
Concentration per Run 3	4.7564 ppm	0.0006 ppm	0.0013 ppm	14.9442 ppm	0.0009 ppm	0.0002 ppm	0.0030 ppm
Concentration RSD	0.4 %	3.0 %	17.1 %	0.5 %	4.9 %	127.8 %	160.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0021 ppm	7.0324 ppm	0.0007 ppm	0.0545 ppm	0.0003 ppm	0.0005 ppm	0.0002 ppm
Concentration per Run 1	-0.0003 ppm	7.0067 ppm	0.0006 ppm	0.0546 ppm	0.0004 ppm	0.0003 ppm	0.0002 ppm
Concentration per Run 2	0.0035 ppm	7.0546 ppm	0.0012 ppm	0.0545 ppm	0.0004 ppm	0.0009 ppm	0.0002 ppm
Concentration per Run 3	0.0031 ppm	7.0359 ppm	0.0003 ppm	0.0545 ppm	0.0003 ppm	0.0002 ppm	0.0003 ppm
Concentration RSD	98.2 %	0.3 %	63.5 %	0.1 %	17.4 %	79.4 %	28.9 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0024 ppm	102.1071 %	102.5424 %	97.9824 %	98.2911 %	100.8973 %	99.4509 %
Concentration per Run 1	0.0024 ppm	102.4687 %	101.6687 %	98.7317 %	98.9106 %	100.3734 %	99.9154 %
Concentration per Run 2	0.0026 ppm	102.4158 %	102.7645 %	98.3203 %	98.4598 %	101.2265 %	99.9778 %
Concentration per Run 3	0.0024 ppm	101.4368 %	103.1940 %	96.8954 %	97.5028 %	101.0919 %	98.4594 %
Concentration RSD	4.8 %	0.6 %	0.8 %	1.0 %	0.7 %	0.5 %	0.9 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: L2538013-03 WG2083283
 Analysis started at: 6/30/2025 8:30:12 AM
 Rack: 1
 Vial: 14
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0001 ppm	0.0001 ppm	-0.0009 ppm	0.0180 ppm	0.0264 ppm	0.0000 ppm	11.0369 ppm
Concentration per Run 1	0.0001 ppm	0.0006 ppm	-0.0002 ppm	0.0190 ppm	0.0262 ppm	0.0000 ppm	11.0059 ppm
Concentration per Run 2	0.0001 ppm	0.0001 ppm	-0.0021 ppm	0.0175 ppm	0.0263 ppm	0.0000 ppm	11.0026 ppm
Concentration per Run 3	0.0000 ppm	-0.0004 ppm	-0.0004 ppm	0.0176 ppm	0.0267 ppm	0.0000 ppm	11.1022 ppm
Concentration RSD	91.3 %	475.0 %	111.6 %	4.9 %	1.0 %	94.0 %	0.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0001 ppm	0.0000 ppm	0.0017 ppm	0.0006 ppm	0.0050 ppm	1.1262 ppm	0.0019 ppm
Concentration per Run 1	-0.0001 ppm	-0.0001 ppm	0.0016 ppm	0.0008 ppm	0.0047 ppm	1.1330 ppm	0.0018 ppm
Concentration per Run 2	-0.0001 ppm	0.0001 ppm	0.0016 ppm	0.0006 ppm	0.0058 ppm	1.1154 ppm	0.0018 ppm
Concentration per Run 3	-0.0001 ppm	-0.0001 ppm	0.0020 ppm	0.0004 ppm	0.0045 ppm	1.1302 ppm	0.0020 ppm
Concentration RSD	29.2 %	258.8 %	12.1 %	39.3 %	14.2 %	0.8 %	5.2 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	4.8838 ppm	0.0004 ppm	0.0005 ppm	14.9746 ppm	0.0010 ppm	-0.0009 ppm	-0.0017 ppm
Concentration per Run 1	4.8868 ppm	0.0005 ppm	0.0007 ppm	14.9470 ppm	0.0011 ppm	-0.0017 ppm	-0.0035 ppm
Concentration per Run 2	4.8625 ppm	0.0002 ppm	0.0003 ppm	14.9190 ppm	0.0013 ppm	-0.0004 ppm	-0.0031 ppm
Concentration per Run 3	4.9021 ppm	0.0004 ppm	0.0005 ppm	15.0578 ppm	0.0007 ppm	-0.0005 ppm	0.0014 ppm
Concentration RSD	0.4 %	34.8 %	47.5 %	0.5 %	28.2 %	86.0 %	158.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0018 ppm	7.2114 ppm	0.0005 ppm	0.0553 ppm	0.0001 ppm	0.0002 ppm	0.0001 ppm
Concentration per Run 1	0.0013 ppm	7.2289 ppm	0.0006 ppm	0.0552 ppm	0.0001 ppm	0.0003 ppm	0.0002 ppm
Concentration per Run 2	0.0028 ppm	7.1868 ppm	0.0003 ppm	0.0550 ppm	0.0001 ppm	-0.0004 ppm	0.0000 ppm
Concentration per Run 3	0.0013 ppm	7.2186 ppm	0.0008 ppm	0.0556 ppm	0.0001 ppm	0.0008 ppm	0.0000 ppm
Concentration RSD	47.5 %	0.3 %	50.5 %	0.6 %	11.3 %	270.9 %	114.5 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0024 ppm	100.2588 %	101.0840 %	97.2211 %	97.0512 %	99.4042 %	98.9205 %
Concentration per Run 1	0.0022 ppm	100.6788 %	101.9172 %	96.9931 %	97.4234 %	99.5086 %	98.7685 %
Concentration per Run 2	0.0024 ppm	100.4222 %	101.9181 %	97.6267 %	97.2568 %	100.0465 %	98.6591 %
Concentration per Run 3	0.0025 ppm	99.6754 %	99.4167 %	97.0434 %	96.4734 %	98.6575 %	99.3341 %
Concentration RSD	6.1 %	0.5 %	1.4 %	0.4 %	0.5 %	0.7 %	0.4 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: L2538013-01 WG2083283
 Analysis started at: 6/30/2025 8:33:22 AM
 Rack: 1
 Vial: 8
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0000 ppm	-0.0066 ppm	-0.0006 ppm	0.0220 ppm	0.0813 ppm	0.0000 ppm	93.1829 ppm
Concentration per Run 1	-0.0001 ppm	-0.0046 ppm	-0.0001 ppm	0.0223 ppm	0.0818 ppm	0.0000 ppm	93.5640 ppm
Concentration per Run 2	0.0002 ppm	-0.0102 ppm	-0.0009 ppm	0.0228 ppm	0.0813 ppm	0.0000 ppm	92.5901 ppm
Concentration per Run 3	-0.0002 ppm	-0.0050 ppm	-0.0008 ppm	0.0209 ppm	0.0807 ppm	0.0000 ppm	93.3947 ppm
Concentration RSD	878.8 %	47.4 %	72.9 %	4.5 %	0.7 %	64.8 %	0.6 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0005 ppm	0.0002 ppm	0.0005 ppm	0.0012 ppm	0.0028 ppm	3.0136 ppm	0.0007 ppm
Concentration per Run 1	-0.0005 ppm	0.0000 ppm	0.0003 ppm	0.0011 ppm	0.0022 ppm	3.0517 ppm	0.0008 ppm
Concentration per Run 2	-0.0005 ppm	0.0004 ppm	0.0006 ppm	0.0013 ppm	0.0032 ppm	3.0501 ppm	0.0007 ppm
Concentration per Run 3	-0.0005 ppm	0.0003 ppm	0.0006 ppm	0.0011 ppm	0.0029 ppm	2.9388 ppm	0.0007 ppm
Concentration RSD	4.2 %	86.0 %	36.2 %	8.6 %	19.1 %	2.1 %	10.6 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	23.1898 ppm	0.0004 ppm	0.0004 ppm	4.4182 ppm	0.0006 ppm	-0.0006 ppm	-0.0010 ppm
Concentration per Run 1	23.2751 ppm	0.0004 ppm	0.0004 ppm	4.4541 ppm	0.0007 ppm	0.0000 ppm	0.0004 ppm
Concentration per Run 2	23.1482 ppm	0.0003 ppm	0.0004 ppm	4.4787 ppm	0.0007 ppm	-0.0005 ppm	-0.0006 ppm
Concentration per Run 3	23.1462 ppm	0.0004 ppm	0.0003 ppm	4.3217 ppm	0.0004 ppm	-0.0011 ppm	-0.0028 ppm
Concentration RSD	0.3 %	15.2 %	18.7 %	1.9 %	31.5 %	100.5 %	157.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0016 ppm	5.2871 ppm	0.0001 ppm	0.2221 ppm	-0.0001 ppm	0.0010 ppm	0.0003 ppm
Concentration per Run 1	0.0021 ppm	5.3058 ppm	0.0002 ppm	0.2232 ppm	-0.0002 ppm	0.0002 ppm	0.0002 ppm
Concentration per Run 2	0.0026 ppm	5.2913 ppm	0.0000 ppm	0.2224 ppm	0.0000 ppm	0.0014 ppm	0.0003 ppm
Concentration per Run 3	0.0000 ppm	5.2643 ppm	0.0000 ppm	0.2205 ppm	0.0000 ppm	0.0013 ppm	0.0003 ppm
Concentration RSD	89.0 %	0.4 %	184.1 %	0.6 %	165.2 %	69.8 %	19.1 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0014 ppm	97.2367 %	100.1055 %	90.5348 %	94.1009 %	99.0587 %	95.3503 %
Concentration per Run 1	0.0014 ppm	96.4847 %	99.5241 %	90.9465 %	93.4977 %	98.6389 %	95.9577 %
Concentration per Run 2	0.0013 ppm	97.9560 %	100.5640 %	90.0844 %	94.7646 %	99.4912 %	95.0061 %
Concentration per Run 3	0.0015 ppm	97.2694 %	100.2284 %	90.5735 %	94.0404 %	99.0461 %	95.0871 %
Concentration RSD	6.3 %	0.8 %	0.5 %	0.5 %	0.7 %	0.4 %	0.6 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: WG2083283-3 WG2083283
 Analysis started at: 6/30/2025 8:36:35 AM
 Rack: 1
 Vial: 9
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0559 ppm	2.2956 ppm	0.1257 ppm	0.9962 ppm	2.3233 ppm	0.0560 ppm	103.8312 ppm
Concentration per Run 1	0.0559 ppm	2.2952 ppm	0.1256 ppm	0.9962 ppm	2.3310 ppm	0.0564 ppm	104.5387 ppm
Concentration per Run 2	0.0562 ppm	2.3169 ppm	0.1267 ppm	0.9932 ppm	2.3194 ppm	0.0558 ppm	103.7084 ppm
Concentration per Run 3	0.0558 ppm	2.2747 ppm	0.1249 ppm	0.9993 ppm	2.3196 ppm	0.0559 ppm	103.2464 ppm
Concentration RSD	0.4 %	0.9 %	0.7 %	0.3 %	0.3 %	0.6 %	0.6 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0486 ppm	0.5089 ppm	0.2100 ppm	0.2727 ppm	1.1189 ppm	14.0893 ppm	0.0004 ppm
Concentration per Run 1	0.0491 ppm	0.5116 ppm	0.2103 ppm	0.2734 ppm	1.1285 ppm	13.9815 ppm	0.0005 ppm
Concentration per Run 2	0.0484 ppm	0.5070 ppm	0.2093 ppm	0.2725 ppm	1.1102 ppm	14.2876 ppm	0.0004 ppm
Concentration per Run 3	0.0483 ppm	0.5080 ppm	0.2102 ppm	0.2723 ppm	1.1179 ppm	13.9988 ppm	0.0002 ppm
Concentration RSD	0.9 %	0.5 %	0.3 %	0.2 %	0.8 %	1.2 %	41.1 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	32.9367 ppm	0.5383 ppm	0.9502 ppm	15.1772 ppm	0.5179 ppm	0.5618 ppm	0.4466 ppm
Concentration per Run 1	32.9138 ppm	0.5409 ppm	0.9500 ppm	14.9818 ppm	0.5178 ppm	0.5581 ppm	0.4468 ppm
Concentration per Run 2	32.8563 ppm	0.5393 ppm	0.9489 ppm	15.4128 ppm	0.5158 ppm	0.5664 ppm	0.4455 ppm
Concentration per Run 3	33.0400 ppm	0.5346 ppm	0.9517 ppm	15.1368 ppm	0.5201 ppm	0.5608 ppm	0.4476 ppm
Concentration RSD	0.3 %	0.6 %	0.1 %	1.4 %	0.4 %	0.7 %	0.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.1255 ppm	6.5873 ppm	0.9446 ppm	1.2250 ppm	0.9899 ppm	0.1270 ppm	0.5571 ppm
Concentration per Run 1	0.1230 ppm	6.6194 ppm	0.9454 ppm	1.2296 ppm	0.9909 ppm	0.1260 ppm	0.5593 ppm
Concentration per Run 2	0.1273 ppm	6.5822 ppm	0.9425 ppm	1.2220 ppm	0.9857 ppm	0.1278 ppm	0.5569 ppm
Concentration per Run 3	0.1263 ppm	6.5603 ppm	0.9459 ppm	1.2234 ppm	0.9932 ppm	0.1271 ppm	0.5551 ppm
Concentration RSD	1.8 %	0.5 %	0.2 %	0.3 %	0.4 %	0.7 %	0.4 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5258 ppm	96.3866 %	99.0429 %	86.5647 %	93.2484 %	97.8412 %	93.4033 %
Concentration per Run 1	0.5261 ppm	96.5164 %	98.4270 %	87.0034 %	93.5624 %	97.3567 %	93.6524 %
Concentration per Run 2	0.5248 ppm	96.4669 %	99.7758 %	85.9730 %	93.3065 %	98.8783 %	92.9498 %
Concentration per Run 3	0.5266 ppm	96.1767 %	98.9260 %	86.7176 %	92.8762 %	97.2885 %	93.6076 %
Concentration RSD	0.2 %	0.2 %	0.7 %	0.6 %	0.4 %	0.9 %	0.4 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: WG2083283-4 WG2083283
 Analysis started at: 6/30/2025 8:39:48 AM
 Rack: 1
 Vial: 10
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0551 ppm	2.2762 ppm	0.1259 ppm	0.9830 ppm	2.3003 ppm	0.0556 ppm	102.9160 ppm
Concentration per Run 1	0.0555 ppm	2.2822 ppm	0.1265 ppm	0.9903 ppm	2.3000 ppm	0.0557 ppm	103.4512 ppm
Concentration per Run 2	0.0547 ppm	2.2636 ppm	0.1263 ppm	0.9751 ppm	2.2938 ppm	0.0556 ppm	102.7729 ppm
Concentration per Run 3	0.0553 ppm	2.2827 ppm	0.1250 ppm	0.9836 ppm	2.3069 ppm	0.0556 ppm	102.5238 ppm
Concentration RSD	0.8 %	0.5 %	0.6 %	0.8 %	0.3 %	0.2 %	0.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0477 ppm	0.4993 ppm	0.2059 ppm	0.2700 ppm	1.1073 ppm	13.9512 ppm	0.0002 ppm
Concentration per Run 1	0.0477 ppm	0.4999 ppm	0.2065 ppm	0.2700 ppm	1.1141 ppm	13.9960 ppm	0.0008 ppm
Concentration per Run 2	0.0478 ppm	0.4978 ppm	0.2059 ppm	0.2691 ppm	1.1015 ppm	13.8393 ppm	0.0001 ppm
Concentration per Run 3	0.0477 ppm	0.5002 ppm	0.2051 ppm	0.2710 ppm	1.1063 ppm	14.0183 ppm	-0.0004 ppm
Concentration RSD	0.1 %	0.3 %	0.3 %	0.3 %	0.6 %	0.7 %	355.4 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	32.4561 ppm	0.5332 ppm	0.9406 ppm	15.1253 ppm	0.5078 ppm	0.5442 ppm	0.4500 ppm
Concentration per Run 1	32.5977 ppm	0.5352 ppm	0.9372 ppm	15.1978 ppm	0.5102 ppm	0.5535 ppm	0.4480 ppm
Concentration per Run 2	32.4223 ppm	0.5326 ppm	0.9415 ppm	14.9860 ppm	0.5080 ppm	0.5409 ppm	0.4497 ppm
Concentration per Run 3	32.3484 ppm	0.5318 ppm	0.9430 ppm	15.1922 ppm	0.5051 ppm	0.5382 ppm	0.4521 ppm
Concentration RSD	0.4 %	0.3 %	0.3 %	0.8 %	0.5 %	1.5 %	0.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.1250 ppm	6.4906 ppm	0.9308 ppm	1.2087 ppm	0.9744 ppm	0.1234 ppm	0.5491 ppm
Concentration per Run 1	0.1256 ppm	6.5215 ppm	0.9357 ppm	1.2066 ppm	0.9768 ppm	0.1260 ppm	0.5506 ppm
Concentration per Run 2	0.1262 ppm	6.4630 ppm	0.9309 ppm	1.2058 ppm	0.9691 ppm	0.1216 ppm	0.5475 ppm
Concentration per Run 3	0.1231 ppm	6.4873 ppm	0.9257 ppm	1.2139 ppm	0.9774 ppm	0.1226 ppm	0.5493 ppm
Concentration RSD	1.3 %	0.5 %	0.5 %	0.4 %	0.5 %	1.9 %	0.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5146 ppm	95.9720 %	99.3294 %	87.9620 %	92.7351 %	98.1775 %	93.8237 %
Concentration per Run 1	0.5200 ppm	95.8128 %	99.0240 %	87.4861 %	92.5306 %	97.8476 %	94.4784 %
Concentration per Run 2	0.5151 ppm	95.9976 %	98.8174 %	88.0051 %	92.6123 %	97.3324 %	93.3924 %
Concentration per Run 3	0.5089 ppm	96.1055 %	100.1467 %	88.3950 %	93.0625 %	99.3524 %	93.6004 %
Concentration RSD	1.1 %	0.2 %	0.7 %	0.5 %	0.3 %	1.1 %	0.6 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: WG2083283-5 WG2083283
 Analysis started at: 6/30/2025 8:43:01 AM
 Rack: 1
 Vial: 11
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0527 ppm	2.1613 ppm	0.1193 ppm	0.9524 ppm	2.1897 ppm	0.0528 ppm	98.6607 ppm
Concentration per Run 1	0.0529 ppm	2.1474 ppm	0.1180 ppm	0.9568 ppm	2.1843 ppm	0.0526 ppm	98.0420 ppm
Concentration per Run 2	0.0528 ppm	2.1762 ppm	0.1211 ppm	0.9517 ppm	2.1959 ppm	0.0530 ppm	98.8898 ppm
Concentration per Run 3	0.0526 ppm	2.1604 ppm	0.1188 ppm	0.9486 ppm	2.1890 ppm	0.0527 ppm	99.0502 ppm
Concentration RSD	0.3 %	0.7 %	1.3 %	0.4 %	0.3 %	0.3 %	0.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0458 ppm	0.4802 ppm	0.1977 ppm	0.2580 ppm	1.0427 ppm	13.6226 ppm	0.0003 ppm
Concentration per Run 1	0.0464 ppm	0.4838 ppm	0.1979 ppm	0.2590 ppm	1.0372 ppm	13.5025 ppm	0.0008 ppm
Concentration per Run 2	0.0454 ppm	0.4773 ppm	0.1970 ppm	0.2584 ppm	1.0454 ppm	13.8476 ppm	0.0000 ppm
Concentration per Run 3	0.0457 ppm	0.4795 ppm	0.1983 ppm	0.2565 ppm	1.0456 ppm	13.5177 ppm	0.0000 ppm
Concentration RSD	1.1 %	0.7 %	0.3 %	0.5 %	0.5 %	1.4 %	172.5 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	31.4410 ppm	0.5069 ppm	0.9152 ppm	14.6834 ppm	0.4862 ppm	0.5277 ppm	0.3757 ppm
Concentration per Run 1	31.5495 ppm	0.5060 ppm	0.9167 ppm	14.5646 ppm	0.4869 ppm	0.5285 ppm	0.3715 ppm
Concentration per Run 2	31.3145 ppm	0.5086 ppm	0.9105 ppm	14.8484 ppm	0.4852 ppm	0.5284 ppm	0.3760 ppm
Concentration per Run 3	31.4589 ppm	0.5060 ppm	0.9185 ppm	14.6371 ppm	0.4866 ppm	0.5262 ppm	0.3797 ppm
Concentration RSD	0.4 %	0.3 %	0.5 %	1.0 %	0.2 %	0.2 %	1.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.1175 ppm	5.8480 ppm	0.9193 ppm	1.1688 ppm	0.9467 ppm	0.1188 ppm	0.5242 ppm
Concentration per Run 1	0.1192 ppm	5.8578 ppm	0.9209 ppm	1.1667 ppm	0.9496 ppm	0.1185 ppm	0.5266 ppm
Concentration per Run 2	0.1180 ppm	5.8148 ppm	0.9183 ppm	1.1735 ppm	0.9467 ppm	0.1180 ppm	0.5234 ppm
Concentration per Run 3	0.1151 ppm	5.8715 ppm	0.9186 ppm	1.1663 ppm	0.9438 ppm	0.1200 ppm	0.5228 ppm
Concentration RSD	1.8 %	0.5 %	0.2 %	0.3 %	0.3 %	0.9 %	0.4 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4942 ppm	96.1181 %	99.3354 %	87.6437 %	93.0381 %	97.8898 %	94.0405 %
Concentration per Run 1	0.4961 ppm	95.6263 %	99.7650 %	87.4203 %	92.7111 %	97.4781 %	93.8783 %
Concentration per Run 2	0.4921 ppm	95.8955 %	98.8652 %	87.5971 %	92.8212 %	97.9927 %	94.0711 %
Concentration per Run 3	0.4943 ppm	96.8325 %	99.3759 %	87.9136 %	93.5820 %	98.1985 %	94.1720 %
Concentration RSD	0.4 %	0.7 %	0.5 %	0.3 %	0.5 %	0.4 %	0.2 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: WG2083283-6D5 WG2083283
 Analysis started at: 6/30/2025 8:46:14 AM
 Rack: 1
 Vial: 12
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0000 ppm	-0.0055 ppm	-0.0006 ppm	0.0045 ppm	0.0162 ppm	0.0000 ppm	18.8411 ppm
Concentration per Run 1	0.0000 ppm	-0.0051 ppm	0.0003 ppm	0.0047 ppm	0.0162 ppm	0.0000 ppm	18.7816 ppm
Concentration per Run 2	-0.0001 ppm	-0.0072 ppm	-0.0017 ppm	0.0037 ppm	0.0162 ppm	0.0000 ppm	18.8671 ppm
Concentration per Run 3	0.0001 ppm	-0.0042 ppm	-0.0005 ppm	0.0051 ppm	0.0162 ppm	0.0000 ppm	18.8747 ppm
Concentration RSD	3,077.9 %	27.6 %	163.9 %	15.4 %	0.2 %	328.7 %	0.3 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0001 ppm	0.0000 ppm	0.0002 ppm	0.0001 ppm	0.0009 ppm	0.5718 ppm	0.0004 ppm
Concentration per Run 1	-0.0001 ppm	0.0003 ppm	0.0000 ppm	0.0002 ppm	0.0001 ppm	0.5849 ppm	0.0009 ppm
Concentration per Run 2	0.0000 ppm	-0.0005 ppm	0.0000 ppm	0.0002 ppm	0.0020 ppm	0.5553 ppm	0.0001 ppm
Concentration per Run 3	-0.0001 ppm	0.0002 ppm	0.0004 ppm	0.0000 ppm	0.0006 ppm	0.5751 ppm	0.0003 ppm
Concentration RSD	43.8 %	4,929.1 %	136.1 %	95.7 %	106.9 %	2.6 %	90.1 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	4.7158 ppm	0.0001 ppm	0.0067 ppm	0.8718 ppm	0.0005 ppm	0.0001 ppm	0.0183 ppm
Concentration per Run 1	4.7229 ppm	0.0002 ppm	0.0071 ppm	0.8779 ppm	0.0007 ppm	0.0004 ppm	0.0213 ppm
Concentration per Run 2	4.7185 ppm	0.0001 ppm	0.0067 ppm	0.8674 ppm	0.0003 ppm	-0.0005 ppm	0.0161 ppm
Concentration per Run 3	4.7060 ppm	0.0002 ppm	0.0062 ppm	0.8701 ppm	0.0004 ppm	0.0003 ppm	0.0175 ppm
Concentration RSD	0.2 %	54.8 %	7.4 %	0.6 %	43.6 %	715.7 %	14.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0005 ppm	1.0205 ppm	0.0140 ppm	0.0445 ppm	0.0005 ppm	0.0004 ppm	0.0001 ppm
Concentration per Run 1	0.0013 ppm	1.0226 ppm	0.0150 ppm	0.0447 ppm	0.0007 ppm	0.0013 ppm	0.0001 ppm
Concentration per Run 2	-0.0006 ppm	1.0172 ppm	0.0137 ppm	0.0444 ppm	0.0006 ppm	-0.0001 ppm	0.0001 ppm
Concentration per Run 3	0.0007 ppm	1.0218 ppm	0.0132 ppm	0.0444 ppm	0.0004 ppm	0.0000 ppm	0.0001 ppm
Concentration RSD	211.4 %	0.3 %	6.7 %	0.4 %	31.2 %	190.2 %	8.9 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0001 ppm	101.1801 %	101.9449 %	99.1093 %	98.2442 %	100.7832 %	99.8975 %
Concentration per Run 1	0.0001 ppm	101.0227 %	102.2716 %	98.7668 %	98.3893 %	101.1141 %	100.0056 %
Concentration per Run 2	-0.0001 ppm	101.2484 %	101.8890 %	99.4902 %	98.1638 %	100.9203 %	99.6507 %
Concentration per Run 3	0.0003 ppm	101.2692 %	101.6742 %	99.0709 %	98.1795 %	100.3152 %	100.0363 %
Concentration RSD	161.8 %	0.1 %	0.3 %	0.4 %	0.1 %	0.4 %	0.2 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: CCV
 Analysis started at: 6/30/2025 8:49:28 AM
 Rack: 0
 Vial: 3
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.4874 ppm	0.4617 ppm	0.4792 ppm	0.4622 ppm	0.4897 ppm	0.4983 ppm	0.4845 ppm
Concentration per Run 1	0.4910 ppm	0.4659 ppm	0.4804 ppm	0.4665 ppm	0.4900 ppm	0.4974 ppm	0.4859 ppm
Concentration per Run 2	0.4808 ppm	0.4593 ppm	0.4763 ppm	0.4561 ppm	0.4880 ppm	0.4982 ppm	0.4863 ppm
Concentration per Run 3	0.4904 ppm	0.4600 ppm	0.4810 ppm	0.4640 ppm	0.4910 ppm	0.4994 ppm	0.4814 ppm
Recovery Percentage 1	97.480 %	92.345 %	95.847 %	92.441 %	97.935 %	99.668 %	96.899 %
Concentration RSD	1.2 %	0.8 %	0.5 %	1.2 %	0.3 %	0.2 %	0.6 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.4673 ppm	0.4747 ppm	0.4774 ppm	0.4857 ppm	0.4987 ppm	5.0019 ppm	0.4977 ppm
Concentration per Run 1	0.4660 ppm	0.4733 ppm	0.4792 ppm	0.4843 ppm	0.4943 ppm	5.0234 ppm	0.4994 ppm
Concentration per Run 2	0.4624 ppm	0.4721 ppm	0.4710 ppm	0.4845 ppm	0.4994 ppm	4.9567 ppm	0.4901 ppm
Concentration per Run 3	0.4735 ppm	0.4786 ppm	0.4821 ppm	0.4883 ppm	0.5024 ppm	5.0257 ppm	0.5036 ppm
Recovery Percentage 1	93.455 %	94.934 %	95.488 %	97.136 %	99.741 %	100.039 %	99.538 %
Concentration RSD	1.2 %	0.7 %	1.2 %	0.5 %	0.8 %	0.8 %	1.4 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.4735 ppm	0.4894 ppm	0.4652 ppm	9.6327 ppm	0.4837 ppm	0.5027 ppm	0.4938 ppm
Concentration per Run 1	0.4745 ppm	0.4896 ppm	0.4627 ppm	9.7650 ppm	0.4862 ppm	0.5009 ppm	0.4932 ppm
Concentration per Run 2	0.4689 ppm	0.4915 ppm	0.4643 ppm	9.5632 ppm	0.4758 ppm	0.5050 ppm	0.4911 ppm
Concentration per Run 3	0.4773 ppm	0.4870 ppm	0.4687 ppm	9.5698 ppm	0.4891 ppm	0.5022 ppm	0.4972 ppm
Recovery Percentage 1	94.708 %	97.875 %	93.045 %	96.327 %	96.742 %	100.543 %	98.765 %
Concentration RSD	0.9 %	0.5 %	0.7 %	1.2 %	1.4 %	0.4 %	0.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.4807 ppm	5.0432 ppm	0.4773 ppm	0.4893 ppm	0.4748 ppm	0.5079 ppm	0.4837 ppm
Concentration per Run 1	0.4811 ppm	5.0506 ppm	0.4763 ppm	0.4905 ppm	0.4773 ppm	0.5073 ppm	0.4839 ppm
Concentration per Run 2	0.4772 ppm	5.0046 ppm	0.4744 ppm	0.4861 ppm	0.4698 ppm	0.5058 ppm	0.4795 ppm
Concentration per Run 3	0.4836 ppm	5.0745 ppm	0.4811 ppm	0.4912 ppm	0.4772 ppm	0.5107 ppm	0.4877 ppm
Recovery Percentage 1	96.134 %	96.061 %	95.455 %	97.850 %	94.956 %	101.582 %	96.742 %
Concentration RSD	0.7 %	0.7 %	0.7 %	0.6 %	0.9 %	0.5 %	0.8 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4757 ppm	101.2308 %	101.4759 %	98.4144 %	97.6969 %	99.7637 %	99.6780 %
Concentration per Run 1	0.4776 ppm	101.4475 %	101.3695 %	98.2545 %	97.9080 %	100.1867 %	99.1877 %
Concentration per Run 2	0.4692 ppm	101.2262 %	102.0255 %	98.5652 %	97.5035 %	100.2448 %	100.3393 %
Concentration per Run 3	0.4804 ppm	101.0186 %	101.0329 %	98.4236 %	97.6791 %	98.8597 %	99.5069 %
Recovery Percentage 1	95.146 %						
Concentration RSD	1.2 %	0.2 %	0.5 %	0.2 %	0.2 %	0.8 %	0.6 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: CCB
Analysis started at: 6/30/2025 8:52:40 AM
Rack: 0
Vial: 4
Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0001 ppm	-0.0038 ppm	-0.0002 ppm	0.0005 ppm	0.0000 ppm	0.0000 ppm	0.0018 ppm
Concentration per Run 1	0.0003 ppm	-0.0028 ppm	0.0005 ppm	0.0001 ppm	0.0000 ppm	0.0000 ppm	0.0027 ppm
Concentration per Run 2	0.0001 ppm	-0.0057 ppm	-0.0007 ppm	0.0004 ppm	0.0000 ppm	0.0000 ppm	0.0015 ppm
Concentration per Run 3	0.0001 ppm	-0.0030 ppm	-0.0004 ppm	0.0009 ppm	0.0001 ppm	0.0000 ppm	0.0011 ppm
Recovery Percentage 1	2.084 %	-3.806 %	-4.245 %	1.538 %	0.476 %	0.164 %	1.758 %
Concentration RSD	109.3 %	42.1 %	303.7 %	80.4 %	64.7 %	271.7 %	45.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0001 ppm	-0.0001 ppm	0.0001 ppm	-0.0001 ppm	0.0005 ppm	0.0059 ppm	0.0001 ppm
Concentration per Run 1	0.0001 ppm	-0.0001 ppm	0.0002 ppm	0.0001 ppm	0.0007 ppm	0.0091 ppm	0.0000 ppm
Concentration per Run 2	0.0001 ppm	0.0000 ppm	-0.0001 ppm	-0.0002 ppm	0.0012 ppm	-0.0067 ppm	0.0003 ppm
Concentration per Run 3	0.0000 ppm	-0.0003 ppm	0.0001 ppm	-0.0002 ppm	-0.0003 ppm	0.0154 ppm	0.0001 ppm
Recovery Percentage 1	1.485 %	-0.592 %	0.700 %	-0.637 %	1.064 %	0.237 %	2.653 %
Concentration RSD	49.4 %	131.1 %	215.1 %	284.8 %	140.2 %	192.3 %	115.8 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0014 ppm	0.0002 ppm	0.0029 ppm	0.0027 ppm	0.0000 ppm	-0.0010 ppm	0.0004 ppm
Concentration per Run 1	0.0009 ppm	0.0002 ppm	0.0026 ppm	0.0040 ppm	0.0000 ppm	-0.0016 ppm	0.0005 ppm
Concentration per Run 2	0.0010 ppm	0.0002 ppm	0.0029 ppm	0.0025 ppm	0.0003 ppm	-0.0011 ppm	-0.0005 ppm
Concentration per Run 3	0.0021 ppm	0.0001 ppm	0.0032 ppm	0.0018 ppm	-0.0001 ppm	-0.0002 ppm	0.0012 ppm
Recovery Percentage 1	1.353 %	1.529 %	5.786 %	0.137 %	0.169 %	-9.935 %	0.803 %
Concentration RSD	47.7 %	6.7 %	9.8 %	40.9 %	470.9 %	70.5 %	218.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0015 ppm	-0.0058 ppm	0.0016 ppm	0.0000 ppm	0.0002 ppm	0.0004 ppm	0.0001 ppm
Concentration per Run 1	0.0008 ppm	-0.0059 ppm	0.0019 ppm	0.0000 ppm	0.0005 ppm	0.0007 ppm	0.0002 ppm
Concentration per Run 2	0.0017 ppm	-0.0057 ppm	0.0015 ppm	0.0000 ppm	0.0001 ppm	0.0003 ppm	0.0000 ppm
Concentration per Run 3	0.0019 ppm	-0.0059 ppm	0.0014 ppm	0.0000 ppm	0.0001 ppm	0.0004 ppm	0.0000 ppm
Recovery Percentage 1	14.555 %	-1.166 %	3.224 %	-0.041 %	2.364 %	2.194 %	0.548 %
Concentration RSD	41.0 %	2.0 %	15.9 %	229.6 %	94.6 %	47.8 %	152.8 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0005 ppm	101.8675 %	100.7214 %	100.3783 %	100.5024 %	101.0813 %	101.7237 %
Concentration per Run 1	-0.0004 ppm	101.8178 %	100.7588 %	100.1391 %	100.8427 %	101.3478 %	101.7618 %
Concentration per Run 2	-0.0005 ppm	101.8633 %	100.7947 %	100.4669 %	100.5540 %	101.5931 %	102.0575 %
Concentration per Run 3	-0.0006 ppm	101.9215 %	100.6107 %	100.5291 %	100.1104 %	100.3030 %	101.3517 %
Recovery Percentage 1	-9.288 %						
Concentration RSD	18.8 %	0.1 %	0.1 %	0.2 %	0.4 %	0.7 %	0.3 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: L2538013-04 WG2083283
 Analysis started at: 6/30/2025 8:55:54 AM
 Rack: 1
 Vial: 15
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0001 ppm	-0.0047 ppm	0.0003 ppm	0.0202 ppm	0.0168 ppm	0.0000 ppm	22.6253 ppm
Concentration per Run 1	0.0000 ppm	-0.0032 ppm	-0.0001 ppm	0.0203 ppm	0.0167 ppm	0.0000 ppm	22.5319 ppm
Concentration per Run 2	-0.0001 ppm	-0.0058 ppm	0.0011 ppm	0.0200 ppm	0.0168 ppm	0.0000 ppm	22.6185 ppm
Concentration per Run 3	-0.0001 ppm	-0.0050 ppm	0.0000 ppm	0.0204 ppm	0.0168 ppm	0.0000 ppm	22.7256 ppm
Concentration RSD	80.1 %	28.6 %	194.3 %	1.0 %	0.3 %	243.1 %	0.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0001 ppm	-0.0003 ppm	0.0004 ppm	0.0004 ppm	0.0056 ppm	1.4667 ppm	0.0003 ppm
Concentration per Run 1	-0.0001 ppm	-0.0002 ppm	0.0004 ppm	0.0005 ppm	0.0056 ppm	1.4652 ppm	0.0005 ppm
Concentration per Run 2	-0.0001 ppm	-0.0006 ppm	0.0001 ppm	0.0003 ppm	0.0058 ppm	1.4839 ppm	0.0003 ppm
Concentration per Run 3	-0.0001 ppm	-0.0002 ppm	0.0007 ppm	0.0004 ppm	0.0054 ppm	1.4509 ppm	0.0002 ppm
Concentration RSD	38.3 %	82.4 %	75.9 %	20.4 %	3.7 %	1.1 %	43.1 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	6.2052 ppm	0.0003 ppm	0.0015 ppm	13.4063 ppm	0.0009 ppm	-0.0005 ppm	-0.0023 ppm
Concentration per Run 1	6.2171 ppm	0.0002 ppm	0.0014 ppm	13.3887 ppm	0.0007 ppm	-0.0002 ppm	-0.0017 ppm
Concentration per Run 2	6.1379 ppm	0.0002 ppm	0.0015 ppm	13.5754 ppm	0.0011 ppm	-0.0008 ppm	-0.0016 ppm
Concentration per Run 3	6.2607 ppm	0.0004 ppm	0.0014 ppm	13.2548 ppm	0.0011 ppm	-0.0005 ppm	-0.0038 ppm
Concentration RSD	1.0 %	31.3 %	3.7 %	1.2 %	23.1 %	54.0 %	53.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0014 ppm	2.3529 ppm	0.0003 ppm	0.0820 ppm	0.0003 ppm	0.0009 ppm	0.0002 ppm
Concentration per Run 1	0.0020 ppm	2.3526 ppm	0.0006 ppm	0.0817 ppm	0.0004 ppm	0.0010 ppm	0.0004 ppm
Concentration per Run 2	0.0016 ppm	2.3407 ppm	0.0003 ppm	0.0821 ppm	0.0003 ppm	0.0006 ppm	0.0003 ppm
Concentration per Run 3	0.0006 ppm	2.3654 ppm	0.0001 ppm	0.0821 ppm	0.0000 ppm	0.0012 ppm	0.0001 ppm
Concentration RSD	50.1 %	0.5 %	78.4 %	0.3 %	72.7 %	28.5 %	68.7 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0003 ppm	101.3141 %	101.9328 %	96.4503 %	97.8215 %	100.9410 %	98.1454 %
Concentration per Run 1	0.0004 ppm	100.9589 %	101.9277 %	96.3159 %	97.7476 %	100.8188 %	97.9496 %
Concentration per Run 2	0.0002 ppm	101.9496 %	102.0517 %	95.7694 %	98.1820 %	101.0827 %	98.2527 %
Concentration per Run 3	0.0003 ppm	101.0339 %	101.8191 %	97.2654 %	97.5349 %	100.9215 %	98.2338 %
Concentration RSD	40.0 %	0.5 %	0.1 %	0.8 %	0.3 %	0.1 %	0.2 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: L2538013-05 WG2083283
 Analysis started at: 6/30/2025 8:59:05 AM
 Rack: 1
 Vial: 16
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0000 ppm	-0.0048 ppm	-0.0013 ppm	0.0862 ppm	0.0143 ppm	0.0000 ppm	17.9459 ppm
Concentration per Run 1	0.0002 ppm	-0.0076 ppm	-0.0017 ppm	0.0851 ppm	0.0144 ppm	0.0000 ppm	17.9822 ppm
Concentration per Run 2	-0.0003 ppm	-0.0051 ppm	-0.0010 ppm	0.0857 ppm	0.0142 ppm	0.0000 ppm	17.9147 ppm
Concentration per Run 3	0.0001 ppm	-0.0015 ppm	-0.0012 ppm	0.0880 ppm	0.0143 ppm	0.0000 ppm	17.9409 ppm
Concentration RSD	3,832.5 %	64.1 %	25.7 %	1.8 %	0.4 %	4,711.1 %	0.2 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0001 ppm	-0.0001 ppm	0.0017 ppm	0.0002 ppm	0.0021 ppm	1.4065 ppm	0.0024 ppm
Concentration per Run 1	-0.0002 ppm	-0.0003 ppm	0.0017 ppm	0.0004 ppm	0.0009 ppm	1.4124 ppm	0.0028 ppm
Concentration per Run 2	-0.0001 ppm	0.0001 ppm	0.0016 ppm	-0.0001 ppm	0.0013 ppm	1.3984 ppm	0.0021 ppm
Concentration per Run 3	0.0000 ppm	0.0000 ppm	0.0018 ppm	0.0004 ppm	0.0041 ppm	1.4087 ppm	0.0024 ppm
Concentration RSD	72.3 %	201.7 %	4.5 %	125.6 %	83.3 %	0.5 %	14.6 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	8.4218 ppm	0.0018 ppm	0.0008 ppm	13.2003 ppm	0.0010 ppm	-0.0009 ppm	-0.0003 ppm
Concentration per Run 1	8.4316 ppm	0.0017 ppm	0.0008 ppm	13.3085 ppm	0.0014 ppm	-0.0008 ppm	-0.0004 ppm
Concentration per Run 2	8.4183 ppm	0.0018 ppm	0.0007 ppm	13.1573 ppm	0.0010 ppm	-0.0008 ppm	0.0005 ppm
Concentration per Run 3	8.4156 ppm	0.0019 ppm	0.0009 ppm	13.1351 ppm	0.0006 ppm	-0.0011 ppm	-0.0008 ppm
Concentration RSD	0.1 %	4.5 %	9.4 %	0.7 %	39.5 %	19.9 %	265.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0004 ppm	9.0803 ppm	0.0001 ppm	0.0874 ppm	0.0000 ppm	0.0007 ppm	0.0013 ppm
Concentration per Run 1	-0.0007 ppm	9.0916 ppm	0.0002 ppm	0.0876 ppm	-0.0001 ppm	0.0006 ppm	0.0014 ppm
Concentration per Run 2	0.0002 ppm	9.0716 ppm	0.0003 ppm	0.0873 ppm	0.0000 ppm	0.0010 ppm	0.0013 ppm
Concentration per Run 3	0.0018 ppm	9.0777 ppm	-0.0003 ppm	0.0872 ppm	-0.0001 ppm	0.0005 ppm	0.0013 ppm
Concentration RSD	299.6 %	0.1 %	603.9 %	0.3 %	75.5 %	32.7 %	6.8 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0018 ppm	100.8110 %	102.0043 %	96.5650 %	97.5432 %	100.6995 %	98.4794 %
Concentration per Run 1	0.0018 ppm	100.7441 %	102.0574 %	96.5058 %	97.3322 %	101.2413 %	98.3937 %
Concentration per Run 2	0.0018 ppm	101.1342 %	102.3642 %	96.7527 %	97.8377 %	100.6199 %	98.4760 %
Concentration per Run 3	0.0018 ppm	100.5547 %	101.5913 %	96.4366 %	97.4598 %	100.2372 %	98.5686 %
Concentration RSD	2.2 %	0.3 %	0.4 %	0.2 %	0.3 %	0.5 %	0.1 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: L2538013-06 WG2083283
 Analysis started at: 6/30/2025 9:02:16 AM
 Rack: 1
 Vial: 17
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0000 ppm	-0.0074 ppm	0.0000 ppm	0.0899 ppm	0.0679 ppm	0.0000 ppm	69.6692 ppm
Concentration per Run 1	0.0000 ppm	-0.0075 ppm	-0.0002 ppm	0.0901 ppm	0.0679 ppm	0.0000 ppm	70.0192 ppm
Concentration per Run 2	-0.0001 ppm	-0.0062 ppm	0.0009 ppm	0.0885 ppm	0.0682 ppm	0.0000 ppm	69.2468 ppm
Concentration per Run 3	-0.0001 ppm	-0.0085 ppm	-0.0008 ppm	0.0910 ppm	0.0676 ppm	0.0000 ppm	69.7415 ppm
Concentration RSD	197.1 %	15.4 %	1,818.9 %	1.4 %	0.4 %	130.7 %	0.6 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0003 ppm	-0.0001 ppm	0.0004 ppm	0.0024 ppm	0.0025 ppm	7.4560 ppm	0.0002 ppm
Concentration per Run 1	-0.0004 ppm	-0.0001 ppm	0.0005 ppm	0.0025 ppm	0.0028 ppm	7.3776 ppm	0.0005 ppm
Concentration per Run 2	-0.0003 ppm	-0.0001 ppm	0.0005 ppm	0.0023 ppm	0.0029 ppm	7.5081 ppm	0.0000 ppm
Concentration per Run 3	-0.0002 ppm	0.0000 ppm	0.0001 ppm	0.0024 ppm	0.0019 ppm	7.4823 ppm	0.0001 ppm
Concentration RSD	23.5 %	87.9 %	56.6 %	3.9 %	21.7 %	0.9 %	147.5 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	10.7933 ppm	0.0722 ppm	0.0018 ppm	12.0012 ppm	0.0008 ppm	-0.0001 ppm	-0.0018 ppm
Concentration per Run 1	10.8818 ppm	0.0723 ppm	0.0016 ppm	11.8878 ppm	0.0006 ppm	0.0005 ppm	-0.0004 ppm
Concentration per Run 2	10.6945 ppm	0.0721 ppm	0.0021 ppm	12.1107 ppm	0.0006 ppm	0.0005 ppm	-0.0017 ppm
Concentration per Run 3	10.8035 ppm	0.0723 ppm	0.0016 ppm	12.0049 ppm	0.0011 ppm	-0.0013 ppm	-0.0035 ppm
Concentration RSD	0.9 %	0.2 %	15.5 %	0.9 %	34.8 %	1,200.6 %	85.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0008 ppm	4.7550 ppm	0.0002 ppm	0.4344 ppm	0.0000 ppm	-0.0005 ppm	0.0005 ppm
Concentration per Run 1	0.0010 ppm	4.7678 ppm	0.0000 ppm	0.4337 ppm	-0.0001 ppm	-0.0008 ppm	0.0006 ppm
Concentration per Run 2	-0.0002 ppm	4.7299 ppm	0.0008 ppm	0.4351 ppm	-0.0002 ppm	-0.0013 ppm	0.0003 ppm
Concentration per Run 3	0.0016 ppm	4.7673 ppm	-0.0003 ppm	0.4344 ppm	0.0002 ppm	0.0004 ppm	0.0004 ppm
Concentration RSD	112.5 %	0.5 %	352.3 %	0.2 %	927.3 %	160.7 %	29.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0000 ppm	98.2417 %	100.8413 %	92.9633 %	94.8106 %	99.4309 %	96.1357 %
Concentration per Run 1	0.0002 ppm	97.8930 %	100.2511 %	92.4161 %	94.7887 %	99.0518 %	96.0937 %
Concentration per Run 2	0.0001 ppm	98.4973 %	101.2615 %	93.0313 %	94.5809 %	99.7291 %	96.2137 %
Concentration per Run 3	-0.0001 ppm	98.3349 %	101.0113 %	93.4427 %	95.0623 %	99.5119 %	96.0997 %
Concentration RSD	423.8 %	0.3 %	0.5 %	0.6 %	0.3 %	0.3 %	0.1 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: L2538013-07 WG2083283
 Analysis started at: 6/30/2025 9:05:28 AM
 Rack: 1
 Vial: 18
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0001 ppm	-0.0002 ppm	-0.0006 ppm	0.0133 ppm	0.0110 ppm	0.0000 ppm	11.7987 ppm
Concentration per Run 1	0.0000 ppm	-0.0059 ppm	-0.0012 ppm	0.0136 ppm	0.0110 ppm	0.0000 ppm	11.7903 ppm
Concentration per Run 2	0.0000 ppm	0.0001 ppm	0.0000 ppm	0.0134 ppm	0.0110 ppm	0.0000 ppm	11.7094 ppm
Concentration per Run 3	0.0003 ppm	0.0054 ppm	-0.0005 ppm	0.0129 ppm	0.0110 ppm	0.0000 ppm	11.8964 ppm
Concentration RSD	167.1 %	3,660.8 %	104.0 %	2.5 %	0.1 %	119.3 %	0.8 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0000 ppm	0.0001 ppm	0.0022 ppm	0.0002 ppm	0.0009 ppm	1.1285 ppm	0.0024 ppm
Concentration per Run 1	0.0000 ppm	-0.0001 ppm	0.0022 ppm	0.0001 ppm	0.0012 ppm	1.1208 ppm	0.0020 ppm
Concentration per Run 2	0.0000 ppm	0.0002 ppm	0.0021 ppm	0.0003 ppm	0.0005 ppm	1.1320 ppm	0.0026 ppm
Concentration per Run 3	-0.0001 ppm	0.0002 ppm	0.0023 ppm	0.0003 ppm	0.0009 ppm	1.1328 ppm	0.0025 ppm
Concentration RSD	111.1 %	184.6 %	4.4 %	45.5 %	38.8 %	0.6 %	14.1 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	5.4389 ppm	0.0002 ppm	0.0001 ppm	16.6892 ppm	0.0007 ppm	-0.0008 ppm	-0.0001 ppm
Concentration per Run 1	5.4018 ppm	0.0002 ppm	0.0003 ppm	16.4256 ppm	0.0004 ppm	-0.0004 ppm	0.0000 ppm
Concentration per Run 2	5.4606 ppm	0.0002 ppm	0.0000 ppm	16.7290 ppm	0.0010 ppm	-0.0009 ppm	0.0002 ppm
Concentration per Run 3	5.4542 ppm	0.0002 ppm	0.0001 ppm	16.9131 ppm	0.0006 ppm	-0.0011 ppm	-0.0006 ppm
Concentration RSD	0.6 %	25.6 %	121.5 %	1.5 %	48.7 %	48.1 %	303.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0008 ppm	6.4851 ppm	0.0002 ppm	0.0590 ppm	0.0000 ppm	0.0006 ppm	0.0004 ppm
Concentration per Run 1	0.0029 ppm	6.4809 ppm	0.0004 ppm	0.0592 ppm	0.0000 ppm	0.0003 ppm	0.0003 ppm
Concentration per Run 2	-0.0006 ppm	6.4830 ppm	0.0001 ppm	0.0590 ppm	0.0001 ppm	0.0011 ppm	0.0005 ppm
Concentration per Run 3	0.0001 ppm	6.4914 ppm	0.0001 ppm	0.0589 ppm	0.0000 ppm	0.0005 ppm	0.0003 ppm
Concentration RSD	243.7 %	0.1 %	70.9 %	0.3 %	252.4 %	65.2 %	25.6 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0008 ppm	100.7718 %	102.3376 %	98.1988 %	97.7013 %	101.2037 %	99.7401 %
Concentration per Run 1	0.0008 ppm	100.9294 %	102.1311 %	98.6067 %	98.6199 %	101.0375 %	100.0873 %
Concentration per Run 2	0.0009 ppm	100.4125 %	102.8498 %	97.8937 %	97.0561 %	101.1047 %	99.8570 %
Concentration per Run 3	0.0007 ppm	100.9735 %	102.0320 %	98.0960 %	97.4280 %	101.4688 %	99.2759 %
Concentration RSD	14.4 %	0.3 %	0.4 %	0.4 %	0.8 %	0.2 %	0.4 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: CCV
 Analysis started at: 6/30/2025 9:08:40 AM
 Rack: 0
 Vial: 3
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.4902 ppm	0.4669 ppm	0.4805 ppm	0.4645 ppm	0.4919 ppm	0.4980 ppm	0.4830 ppm
Concentration per Run 1	0.4896 ppm	0.4691 ppm	0.4809 ppm	0.4611 ppm	0.4918 ppm	0.4983 ppm	0.4804 ppm
Concentration per Run 2	0.4929 ppm	0.4653 ppm	0.4824 ppm	0.4684 ppm	0.4917 ppm	0.4969 ppm	0.4836 ppm
Concentration per Run 3	0.4881 ppm	0.4662 ppm	0.4782 ppm	0.4639 ppm	0.4924 ppm	0.4987 ppm	0.4850 ppm
Recovery Percentage 1	98.042 %	93.373 %	96.099 %	92.890 %	98.389 %	99.597 %	96.600 %
Concentration RSD	0.5 %	0.4 %	0.4 %	0.8 %	0.1 %	0.2 %	0.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.4700 ppm	0.4778 ppm	0.4789 ppm	0.4900 ppm	0.4975 ppm	5.0252 ppm	0.5011 ppm
Concentration per Run 1	0.4696 ppm	0.4764 ppm	0.4783 ppm	0.4897 ppm	0.4993 ppm	5.0014 ppm	0.5007 ppm
Concentration per Run 2	0.4714 ppm	0.4784 ppm	0.4830 ppm	0.4887 ppm	0.4947 ppm	5.0473 ppm	0.5017 ppm
Concentration per Run 3	0.4689 ppm	0.4786 ppm	0.4755 ppm	0.4916 ppm	0.4985 ppm	5.0268 ppm	0.5009 ppm
Recovery Percentage 1	93.993 %	95.563 %	95.787 %	98.001 %	99.498 %	100.503 %	100.213 %
Concentration RSD	0.3 %	0.2 %	0.8 %	0.3 %	0.5 %	0.5 %	0.1 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.4756 ppm	0.4915 ppm	0.4671 ppm	9.8238 ppm	0.4851 ppm	0.5057 ppm	0.4912 ppm
Concentration per Run 1	0.4780 ppm	0.4887 ppm	0.4657 ppm	9.7177 ppm	0.4841 ppm	0.5004 ppm	0.4908 ppm
Concentration per Run 2	0.4764 ppm	0.4927 ppm	0.4678 ppm	9.9681 ppm	0.4881 ppm	0.5091 ppm	0.4909 ppm
Concentration per Run 3	0.4725 ppm	0.4930 ppm	0.4679 ppm	9.7855 ppm	0.4830 ppm	0.5078 ppm	0.4919 ppm
Recovery Percentage 1	95.125 %	98.291 %	93.423 %	98.238 %	97.014 %	101.150 %	98.243 %
Concentration RSD	0.6 %	0.5 %	0.3 %	1.3 %	0.6 %	0.9 %	0.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.4856 ppm	5.0590 ppm	0.4755 ppm	0.4908 ppm	0.4755 ppm	0.5141 ppm	0.4877 ppm
Concentration per Run 1	0.4814 ppm	5.0561 ppm	0.4720 ppm	0.4907 ppm	0.4746 ppm	0.5082 ppm	0.4874 ppm
Concentration per Run 2	0.4870 ppm	5.0625 ppm	0.4799 ppm	0.4905 ppm	0.4796 ppm	0.5182 ppm	0.4881 ppm
Concentration per Run 3	0.4883 ppm	5.0583 ppm	0.4746 ppm	0.4912 ppm	0.4724 ppm	0.5158 ppm	0.4876 ppm
Recovery Percentage 1	97.112 %	96.361 %	95.099 %	98.153 %	95.107 %	102.811 %	97.537 %
Concentration RSD	0.8 %	0.1 %	0.8 %	0.1 %	0.8 %	1.0 %	0.1 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4771 ppm	101.2354 %	101.3280 %	97.6014 %	97.8961 %	99.9811 %	98.8435 %
Concentration per Run 1	0.4745 ppm	101.3316 %	100.9885 %	98.6839 %	98.0124 %	99.6477 %	99.3175 %
Concentration per Run 2	0.4817 ppm	100.8427 %	101.6861 %	96.6534 %	97.4652 %	100.4512 %	98.2845 %
Concentration per Run 3	0.4752 ppm	101.5318 %	101.3094 %	97.4670 %	98.2108 %	99.8443 %	98.9286 %
Recovery Percentage 1	95.428 %						
Concentration RSD	0.8 %	0.4 %	0.3 %	1.0 %	0.4 %	0.4 %	0.5 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: CCB
 Analysis started at: 6/30/2025 9:11:53 AM
 Rack: 0
 Vial: 4
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0001 ppm	-0.0029 ppm	-0.0004 ppm	0.0013 ppm	0.0001 ppm	0.0000 ppm	0.0001 ppm
Concentration per Run 1	0.0002 ppm	-0.0038 ppm	-0.0005 ppm	0.0016 ppm	0.0001 ppm	0.0000 ppm	0.0020 ppm
Concentration per Run 2	0.0001 ppm	-0.0024 ppm	-0.0008 ppm	0.0016 ppm	0.0001 ppm	0.0000 ppm	0.0002 ppm
Concentration per Run 3	0.0000 ppm	-0.0025 ppm	0.0001 ppm	0.0007 ppm	0.0001 ppm	0.0000 ppm	-0.0019 ppm
Recovery Percentage 1	1.363 %	-2.887 %	-7.842 %	4.266 %	0.936 %	0.600 %	0.090 %
Concentration RSD	95.4 %	26.3 %	114.7 %	41.5 %	14.3 %	115.1 %	2,166.1 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0000 ppm	-0.0004 ppm	0.0001 ppm	0.0000 ppm	0.0006 ppm	0.0016 ppm	0.0001 ppm
Concentration per Run 1	0.0000 ppm	-0.0006 ppm	0.0000 ppm	0.0000 ppm	0.0006 ppm	-0.0027 ppm	0.0002 ppm
Concentration per Run 2	0.0000 ppm	-0.0003 ppm	0.0002 ppm	0.0000 ppm	0.0012 ppm	0.0061 ppm	0.0002 ppm
Concentration per Run 3	0.0000 ppm	-0.0004 ppm	0.0001 ppm	0.0000 ppm	0.0001 ppm	0.0014 ppm	0.0000 ppm
Recovery Percentage 1	-0.187 %	-2.150 %	1.182 %	0.022 %	1.243 %	0.064 %	2.675 %
Concentration RSD	135.7 %	27.9 %	102.0 %	1,862.4 %	89.3 %	275.3 %	78.2 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0020 ppm	0.0001 ppm	0.0025 ppm	0.0030 ppm	0.0002 ppm	-0.0011 ppm	0.0004 ppm
Concentration per Run 1	0.0016 ppm	0.0002 ppm	0.0026 ppm	0.0058 ppm	0.0007 ppm	-0.0011 ppm	-0.0008 ppm
Concentration per Run 2	0.0021 ppm	0.0001 ppm	0.0026 ppm	0.0028 ppm	-0.0002 ppm	-0.0014 ppm	0.0013 ppm
Concentration per Run 3	0.0023 ppm	0.0001 ppm	0.0021 ppm	0.0005 ppm	0.0000 ppm	-0.0008 ppm	0.0006 ppm
Recovery Percentage 1	2.017 %	1.477 %	4.904 %	0.152 %	0.751 %	-10.866 %	0.771 %
Concentration RSD	17.4 %	54.9 %	10.8 %	87.6 %	248.4 %	30.8 %	280.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0022 ppm	-0.0055 ppm	0.0006 ppm	0.0000 ppm	0.0003 ppm	0.0003 ppm	0.0000 ppm
Concentration per Run 1	0.0016 ppm	-0.0057 ppm	0.0007 ppm	0.0000 ppm	0.0003 ppm	0.0006 ppm	0.0001 ppm
Concentration per Run 2	0.0025 ppm	-0.0059 ppm	0.0012 ppm	0.0000 ppm	0.0002 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run 3	0.0025 ppm	-0.0048 ppm	0.0001 ppm	0.0000 ppm	0.0005 ppm	0.0003 ppm	-0.0002 ppm
Recovery Percentage 1	21.528 %	-1.097 %	1.271 %	-0.339 %	3.468 %	1.583 %	-0.232 %
Concentration RSD	24.0 %	10.7 %	88.0 %	61.4 %	44.7 %	96.7 %	550.0 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0003 ppm	101.7225 %	101.0952 %	99.8265 %	100.6987 %	101.5540 %	101.3098 %
Concentration per Run 1	-0.0002 ppm	100.7899 %	101.2792 %	100.0906 %	100.4045 %	102.0566 %	101.4605 %
Concentration per Run 2	-0.0003 ppm	101.5230 %	101.6511 %	98.8000 %	100.5498 %	101.7248 %	100.4996 %
Concentration per Run 3	-0.0005 ppm	102.8546 %	100.3552 %	100.5889 %	101.1417 %	100.8804 %	101.9693 %
Recovery Percentage 1	-5.961 %						
Concentration RSD	48.6 %	1.0 %	0.7 %	0.9 %	0.4 %	0.6 %	0.7 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: WG2085097-1 WG2085097
 Analysis started at: 6/30/2025 9:53:26 AM
 Rack: 1
 Vial: 21
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0001 ppm	0.0015 ppm	-0.0002 ppm	0.0064 ppm	0.0002 ppm	0.0000 ppm	0.0491 ppm
Concentration per Run 1	0.0002 ppm	-0.0022 ppm	-0.0007 ppm	0.0062 ppm	0.0002 ppm	0.0000 ppm	0.0523 ppm
Concentration per Run 2	0.0003 ppm	0.0025 ppm	0.0002 ppm	0.0064 ppm	0.0001 ppm	0.0000 ppm	0.0466 ppm
Concentration per Run 3	-0.0002 ppm	0.0042 ppm	-0.0001 ppm	0.0066 ppm	0.0003 ppm	0.0000 ppm	0.0485 ppm
Concentration RSD	341.6 %	221.2 %	191.4 %	3.1 %	31.1 %	282.0 %	5.9 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0001 ppm	-0.0001 ppm	0.0003 ppm	0.0004 ppm	0.0043 ppm	0.0344 ppm	0.0005 ppm
Concentration per Run 1	-0.0001 ppm	-0.0001 ppm	0.0001 ppm	0.0004 ppm	0.0053 ppm	0.0313 ppm	0.0000 ppm
Concentration per Run 2	-0.0001 ppm	-0.0003 ppm	0.0004 ppm	0.0003 ppm	0.0037 ppm	0.0396 ppm	0.0006 ppm
Concentration per Run 3	0.0000 ppm	-0.0001 ppm	0.0003 ppm	0.0005 ppm	0.0038 ppm	0.0324 ppm	0.0008 ppm
Concentration RSD	45.8 %	88.8 %	50.8 %	22.2 %	21.2 %	13.0 %	80.4 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0058 ppm	0.0005 ppm	0.0004 ppm	129.8751 [SIC 500]	0.0002 ppm	-0.0008 ppm	-0.0001 ppm
Concentration per Run 1	0.0037 ppm	0.0006 ppm	0.0003 ppm	129.8975 ppm	0.0005 ppm	0.0002 ppm	-0.0014 ppm
Concentration per Run 2	0.0074 ppm	0.0005 ppm	0.0004 ppm	130.3348 ppm	-0.0004 ppm	-0.0010 ppm	0.0021 ppm
Concentration per Run 3	0.0061 ppm	0.0004 ppm	0.0006 ppm	129.3931 ppm	0.0007 ppm	-0.0014 ppm	-0.0011 ppm
Concentration RSD	32.5 %	14.6 %	38.4 %	0.4 %	250.2 %	109.5 %	1,523.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0023 ppm	0.0402 ppm	0.0134 ppm	0.0000 ppm	0.0002 ppm	-0.0018 ppm	0.0000 ppm
Concentration per Run 1	0.0012 ppm	0.0405 ppm	0.0127 ppm	0.0000 ppm	0.0001 ppm	-0.0005 ppm	0.0000 ppm
Concentration per Run 2	0.0028 ppm	0.0395 ppm	0.0154 ppm	0.0001 ppm	0.0001 ppm	-0.0023 ppm	0.0000 ppm
Concentration per Run 3	0.0030 ppm	0.0406 ppm	0.0122 ppm	0.0000 ppm	0.0002 ppm	-0.0027 ppm	0.0001 ppm
Concentration RSD	42.4 %	1.5 %	12.9 %	234.7 %	10.2 %	65.7 %	145.1 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0082 ppm	93.9697 %	97.2644 %	85.5403 %	89.9847 %	95.5624 %	91.8582 %
Concentration per Run 1	0.0082 ppm	94.5616 %	97.0396 %	84.8768 %	90.3435 %	95.2205 %	91.9679 %
Concentration per Run 2	0.0084 ppm	94.0696 %	97.3825 %	85.7109 %	90.2027 %	95.5993 %	91.7816 %
Concentration per Run 3	0.0079 ppm	93.2779 %	97.3712 %	86.0331 %	89.4079 %	95.8673 %	91.8252 %
Concentration RSD	3.5 %	0.7 %	0.2 %	0.7 %	0.6 %	0.3 %	0.1 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: WG2085097-2 WG2085097
 Analysis started at: 6/30/2025 9:56:51 AM
 Rack: 1
 Vial: 22
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0508 ppm	2.1313 ppm	0.1130 ppm	0.8825 ppm	2.1193 ppm	0.0535 ppm	9.8447 ppm
Concentration per Run 1	0.0510 ppm	2.1373 ppm	0.1125 ppm	0.8793 ppm	2.1136 ppm	0.0535 ppm	9.8806 ppm
Concentration per Run 2	0.0512 ppm	2.1400 ppm	0.1145 ppm	0.8905 ppm	2.1267 ppm	0.0536 ppm	9.8013 ppm
Concentration per Run 3	0.0502 ppm	2.1165 ppm	0.1120 ppm	0.8778 ppm	2.1177 ppm	0.0533 ppm	9.8521 ppm
Concentration RSD	1.0 %	0.6 %	1.2 %	0.8 %	0.3 %	0.3 %	0.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0463 ppm	0.4912 ppm	0.2000 ppm	0.2578 ppm	1.0812 ppm	9.6492 ppm	0.0003 ppm
Concentration per Run 1	0.0463 ppm	0.4911 ppm	0.2007 ppm	0.2577 ppm	1.0825 ppm	9.5860 ppm	0.0004 ppm
Concentration per Run 2	0.0468 ppm	0.4945 ppm	0.2024 ppm	0.2587 ppm	1.0853 ppm	9.7829 ppm	0.0002 ppm
Concentration per Run 3	0.0459 ppm	0.4881 ppm	0.1970 ppm	0.2571 ppm	1.0757 ppm	9.5787 ppm	0.0001 ppm
Concentration RSD	0.9 %	0.7 %	1.4 %	0.3 %	0.5 %	1.2 %	54.0 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	9.1180 ppm	0.5229 ppm	0.9122 ppm	9.6345 ppm	0.5049 ppm	0.5182 ppm	0.4585 ppm
Concentration per Run 1	9.1340 ppm	0.5252 ppm	0.9112 ppm	9.5853 ppm	0.5062 ppm	0.5216 ppm	0.4571 ppm
Concentration per Run 2	9.1915 ppm	0.5228 ppm	0.9181 ppm	9.6560 ppm	0.5095 ppm	0.5185 ppm	0.4635 ppm
Concentration per Run 3	9.0284 ppm	0.5209 ppm	0.9074 ppm	9.6622 ppm	0.4989 ppm	0.5146 ppm	0.4548 ppm
Concentration RSD	0.9 %	0.4 %	0.6 %	0.4 %	1.1 %	0.7 %	1.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.1109 ppm	1.1207 ppm	0.9186 ppm	0.9368 ppm	0.9297 ppm	0.1165 ppm	0.5240 ppm
Concentration per Run 1	0.1097 ppm	1.1218 ppm	0.9218 ppm	0.9365 ppm	0.9343 ppm	0.1167 ppm	0.5242 ppm
Concentration per Run 2	0.1113 ppm	1.1298 ppm	0.9229 ppm	0.9402 ppm	0.9367 ppm	0.1166 ppm	0.5276 ppm
Concentration per Run 3	0.1117 ppm	1.1106 ppm	0.9111 ppm	0.9336 ppm	0.9181 ppm	0.1163 ppm	0.5203 ppm
Concentration RSD	1.0 %	0.9 %	0.7 %	0.4 %	1.1 %	0.2 %	0.7 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4999 ppm	98.2969 %	98.4654 %	92.8702 %	94.7977 %	97.5855 %	96.3852 %
Concentration per Run 1	0.5018 ppm	98.2534 %	98.1753 %	92.4553 %	94.6070 %	97.4135 %	96.4003 %
Concentration per Run 2	0.5021 ppm	97.5873 %	98.8755 %	92.4697 %	94.4555 %	97.9939 %	95.7952 %
Concentration per Run 3	0.4957 ppm	99.0498 %	98.3454 %	93.6856 %	95.3305 %	97.3492 %	96.9600 %
Concentration RSD	0.7 %	0.7 %	0.4 %	0.8 %	0.5 %	0.4 %	0.6 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: WG2085097-3 WG2085097
 Analysis started at: 6/30/2025 10:00:04 AM
 Rack: 1
 Vial: 23
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0507 ppm	2.1035 ppm	0.1114 ppm	0.8667 ppm	2.0945 ppm	0.0528 ppm	9.6629 ppm
Concentration per Run 1	0.0504 ppm	2.0978 ppm	0.1132 ppm	0.8688 ppm	2.0946 ppm	0.0529 ppm	9.6743 ppm
Concentration per Run 2	0.0506 ppm	2.0941 ppm	0.1116 ppm	0.8636 ppm	2.0925 ppm	0.0528 ppm	9.6111 ppm
Concentration per Run 3	0.0510 ppm	2.1185 ppm	0.1094 ppm	0.8677 ppm	2.0963 ppm	0.0526 ppm	9.7034 ppm
Concentration RSD	0.5 %	0.6 %	1.7 %	0.3 %	0.1 %	0.2 %	0.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0463 ppm	0.4886 ppm	0.1987 ppm	0.2554 ppm	1.0639 ppm	9.5640 ppm	0.0008 ppm
Concentration per Run 1	0.0462 ppm	0.4879 ppm	0.1990 ppm	0.2546 ppm	1.0705 ppm	9.4846 ppm	0.0012 ppm
Concentration per Run 2	0.0459 ppm	0.4846 ppm	0.1978 ppm	0.2548 ppm	1.0608 ppm	9.5384 ppm	0.0006 ppm
Concentration per Run 3	0.0468 ppm	0.4932 ppm	0.1994 ppm	0.2568 ppm	1.0603 ppm	9.6690 ppm	0.0005 ppm
Concentration RSD	1.0 %	0.9 %	0.4 %	0.5 %	0.5 %	1.0 %	45.5 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	9.0514 ppm	0.5133 ppm	0.9067 ppm	9.5851 ppm	0.4994 ppm	0.5118 ppm	0.4566 ppm
Concentration per Run 1	9.0772 ppm	0.5146 ppm	0.9053 ppm	9.5051 ppm	0.5017 ppm	0.5087 ppm	0.4577 ppm
Concentration per Run 2	8.9813 ppm	0.5104 ppm	0.9027 ppm	9.5136 ppm	0.4940 ppm	0.5156 ppm	0.4531 ppm
Concentration per Run 3	9.0957 ppm	0.5151 ppm	0.9121 ppm	9.7366 ppm	0.5025 ppm	0.5111 ppm	0.4592 ppm
Concentration RSD	0.7 %	0.5 %	0.5 %	1.4 %	0.9 %	0.7 %	0.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.1092 ppm	1.1144 ppm	0.9032 ppm	0.9286 ppm	0.9231 ppm	0.1160 ppm	0.5220 ppm
Concentration per Run 1	0.1086 ppm	1.1112 ppm	0.9033 ppm	0.9278 ppm	0.9240 ppm	0.1153 ppm	0.5226 ppm
Concentration per Run 2	0.1121 ppm	1.1095 ppm	0.8989 ppm	0.9303 ppm	0.9198 ppm	0.1163 ppm	0.5195 ppm
Concentration per Run 3	0.1070 ppm	1.1227 ppm	0.9074 ppm	0.9276 ppm	0.9256 ppm	0.1163 ppm	0.5239 ppm
Concentration RSD	2.4 %	0.6 %	0.5 %	0.2 %	0.3 %	0.5 %	0.4 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4955 ppm	98.5143 %	98.9748 %	92.5048 %	95.1891 %	97.5488 %	96.2479 %
Concentration per Run 1	0.4973 ppm	98.7644 %	99.0183 %	93.1313 %	95.5817 %	97.0884 %	96.5065 %
Concentration per Run 2	0.4916 ppm	99.0105 %	99.0328 %	91.6994 %	95.2292 %	97.4274 %	95.6869 %
Concentration per Run 3	0.4977 ppm	97.7681 %	98.8733 %	92.6836 %	94.7564 %	98.1307 %	96.5503 %
Concentration RSD	0.7 %	0.7 %	0.1 %	0.8 %	0.4 %	0.5 %	0.5 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: WG2083152-2 WG2083152
 Analysis started at: 6/30/2025 10:03:17 AM
 Rack: 1
 Vial: 20
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0556 ppm	2.2942 ppm	0.1228 ppm	0.9551 ppm	2.2485 ppm	0.0559 ppm	10.2013 ppm
Concentration per Run 1	0.0557 ppm	2.3024 ppm	0.1236 ppm	0.9517 ppm	2.2406 ppm	0.0558 ppm	10.1968 ppm
Concentration per Run 2	0.0552 ppm	2.2952 ppm	0.1215 ppm	0.9517 ppm	2.2597 ppm	0.0560 ppm	10.1913 ppm
Concentration per Run 3	0.0560 ppm	2.2849 ppm	0.1232 ppm	0.9620 ppm	2.2451 ppm	0.0558 ppm	10.2159 ppm
Concentration RSD	0.7 %	0.4 %	0.9 %	0.6 %	0.4 %	0.2 %	0.1 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0495 ppm	0.5249 ppm	0.2120 ppm	0.2749 ppm	1.1277 ppm	11.0997 ppm	0.0004 ppm
Concentration per Run 1	0.0501 ppm	0.5289 ppm	0.2119 ppm	0.2769 ppm	1.1251 ppm	11.0989 ppm	0.0002 ppm
Concentration per Run 2	0.0492 ppm	0.5227 ppm	0.2118 ppm	0.2744 ppm	1.1307 ppm	11.2710 ppm	0.0003 ppm
Concentration per Run 3	0.0492 ppm	0.5232 ppm	0.2122 ppm	0.2735 ppm	1.1272 ppm	10.9293 ppm	0.0007 ppm
Concentration RSD	1.0 %	0.7 %	0.1 %	0.6 %	0.2 %	1.5 %	65.9 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	9.8628 ppm	0.5429 ppm	0.9540 ppm	11.2023 ppm	0.5357 ppm	0.5512 ppm	0.4581 ppm
Concentration per Run 1	9.9189 ppm	0.5434 ppm	0.9561 ppm	11.2231 ppm	0.5330 ppm	0.5452 ppm	0.4606 ppm
Concentration per Run 2	9.8078 ppm	0.5425 ppm	0.9542 ppm	11.3373 ppm	0.5369 ppm	0.5493 ppm	0.4547 ppm
Concentration per Run 3	9.8615 ppm	0.5426 ppm	0.9519 ppm	11.0467 ppm	0.5373 ppm	0.5590 ppm	0.4589 ppm
Concentration RSD	0.6 %	0.1 %	0.2 %	1.3 %	0.4 %	1.3 %	0.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.1226 ppm	1.1744 ppm	0.9638 ppm	1.0043 ppm	0.9881 ppm	0.1262 ppm	0.5548 ppm
Concentration per Run 1	0.1231 ppm	1.1787 ppm	0.9622 ppm	0.9989 ppm	0.9924 ppm	0.1248 ppm	0.5569 ppm
Concentration per Run 2	0.1222 ppm	1.1705 ppm	0.9657 ppm	1.0119 ppm	0.9846 ppm	0.1260 ppm	0.5544 ppm
Concentration per Run 3	0.1227 ppm	1.1740 ppm	0.9636 ppm	1.0021 ppm	0.9873 ppm	0.1276 ppm	0.5530 ppm
Concentration RSD	0.4 %	0.4 %	0.2 %	0.7 %	0.4 %	1.1 %	0.4 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5323 ppm	99.7674 %	100.2907 %	94.4065 %	96.7990 %	98.7104 %	96.8331 %
Concentration per Run 1	0.5293 ppm	99.5793 %	101.1783 %	95.4802 %	96.8406 %	99.6030 %	97.1777 %
Concentration per Run 2	0.5338 ppm	100.4727 %	100.1731 %	94.0593 %	97.6779 %	98.6430 %	96.6157 %
Concentration per Run 3	0.5337 ppm	99.2501 %	99.5205 %	93.6801 %	95.8787 %	97.8853 %	96.7060 %
Concentration RSD	0.5 %	0.6 %	0.8 %	1.0 %	0.9 %	0.9 %	0.3 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: L2540464-01 WG2085097
 Analysis started at: 6/30/2025 10:06:30 AM
 Rack: 1
 Vial: 24
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0001 ppm	0.0319 ppm	0.0001 ppm	0.0083 ppm	0.0055 ppm	0.0000 ppm	1.1420 ppm
Concentration per Run 1	0.0000 ppm	0.0279 ppm	0.0004 ppm	0.0090 ppm	0.0055 ppm	0.0000 ppm	1.1423 ppm
Concentration per Run 2	0.0003 ppm	0.0326 ppm	-0.0002 ppm	0.0085 ppm	0.0054 ppm	0.0000 ppm	1.1459 ppm
Concentration per Run 3	0.0000 ppm	0.0353 ppm	0.0001 ppm	0.0073 ppm	0.0055 ppm	0.0000 ppm	1.1379 ppm
Concentration RSD	217.1 %	11.8 %	243.6 %	10.2 %	0.8 %	150.8 %	0.3 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0000 ppm	0.0001 ppm	0.0005 ppm	0.0004 ppm	0.0037 ppm	0.1440 ppm	0.0007 ppm
Concentration per Run 1	0.0000 ppm	0.0002 ppm	0.0004 ppm	0.0006 ppm	0.0041 ppm	0.1539 ppm	0.0006 ppm
Concentration per Run 2	0.0000 ppm	0.0001 ppm	0.0007 ppm	0.0003 ppm	0.0029 ppm	0.1375 ppm	0.0007 ppm
Concentration per Run 3	0.0000 ppm	-0.0001 ppm	0.0004 ppm	0.0004 ppm	0.0041 ppm	0.1406 ppm	0.0009 ppm
Concentration RSD	334.7 %	284.9 %	30.5 %	29.7 %	18.7 %	6.0 %	23.3 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0430 ppm	0.0141 ppm	0.0054 ppm	125.4281 [SIC 500]	0.0007 ppm	-0.0004 ppm	0.0122 ppm
Concentration per Run 1	0.0441 ppm	0.0140 ppm	0.0063 ppm	124.5223 ppm	0.0014 ppm	-0.0003 ppm	0.0127 ppm
Concentration per Run 2	0.0411 ppm	0.0142 ppm	0.0053 ppm	127.1368 ppm	0.0001 ppm	-0.0001 ppm	0.0136 ppm
Concentration per Run 3	0.0438 ppm	0.0141 ppm	0.0048 ppm	124.6252 ppm	0.0006 ppm	-0.0007 ppm	0.0104 ppm
Concentration RSD	3.9 %	0.9 %	14.1 %	1.2 %	97.5 %	90.2 %	13.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0022 ppm	0.1343 ppm	0.0079 ppm	0.0071 ppm	0.0007 ppm	-0.0006 ppm	0.0003 ppm
Concentration per Run 1	0.0022 ppm	0.1348 ppm	0.0096 ppm	0.0071 ppm	0.0008 ppm	-0.0003 ppm	0.0003 ppm
Concentration per Run 2	0.0014 ppm	0.1338 ppm	0.0072 ppm	0.0072 ppm	0.0007 ppm	-0.0006 ppm	0.0001 ppm
Concentration per Run 3	0.0030 ppm	0.1342 ppm	0.0070 ppm	0.0071 ppm	0.0007 ppm	-0.0010 ppm	0.0004 ppm
Concentration RSD	37.7 %	0.4 %	18.2 %	0.2 %	8.2 %	51.2 %	71.8 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0007 ppm	95.5345 %	98.5689 %	86.8397 %	91.5375 %	96.8015 %	92.8815 %
Concentration per Run 1	0.0008 ppm	95.4509 %	98.0868 %	86.8874 %	91.5538 %	96.3966 %	92.5581 %
Concentration per Run 2	0.0008 ppm	94.9378 %	98.4924 %	86.2917 %	90.9791 %	96.9336 %	92.7755 %
Concentration per Run 3	0.0006 ppm	96.2148 %	99.1275 %	87.3400 %	92.0795 %	97.0741 %	93.3111 %
Concentration RSD	21.2 %	0.7 %	0.5 %	0.6 %	0.6 %	0.4 %	0.4 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: L2540464-02 WG2085097
 Analysis started at: 6/30/2025 10:09:43 AM
 Rack: 1
 Vial: 25
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0001 ppm	0.1053 ppm	-0.0007 ppm	0.0093 ppm	0.0149 ppm	0.0000 ppm	8.8598 ppm
Concentration per Run 1	0.0004 ppm	0.1076 ppm	-0.0016 ppm	0.0101 ppm	0.0148 ppm	0.0000 ppm	8.8197 ppm
Concentration per Run 2	-0.0001 ppm	0.1062 ppm	0.0002 ppm	0.0087 ppm	0.0150 ppm	0.0000 ppm	8.8855 ppm
Concentration per Run 3	0.0001 ppm	0.1021 ppm	-0.0006 ppm	0.0092 ppm	0.0148 ppm	0.0001 ppm	8.8743 ppm
Concentration RSD	175.2 %	2.7 %	139.4 %	7.5 %	0.7 %	55.1 %	0.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0000 ppm	0.0011 ppm	0.0034 ppm	0.0015 ppm	0.1399 ppm	0.4636 ppm	0.0010 ppm
Concentration per Run 1	0.0000 ppm	0.0013 ppm	0.0035 ppm	0.0016 ppm	0.1390 ppm	0.4752 ppm	0.0011 ppm
Concentration per Run 2	0.0000 ppm	0.0010 ppm	0.0031 ppm	0.0013 ppm	0.1414 ppm	0.4601 ppm	0.0010 ppm
Concentration per Run 3	0.0000 ppm	0.0010 ppm	0.0037 ppm	0.0016 ppm	0.1394 ppm	0.4555 ppm	0.0010 ppm
Concentration RSD	15.4 %	16.1 %	8.7 %	13.3 %	0.9 %	2.2 %	7.5 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.2229 ppm	0.1208 ppm	0.0014 ppm	131.7272 [SIC 500]	0.0019 ppm	-0.0003 ppm	0.0001 ppm
Concentration per Run 1	0.2236 ppm	0.1209 ppm	0.0012 ppm	132.1340 ppm	0.0026 ppm	0.0010 ppm	-0.0008 ppm
Concentration per Run 2	0.2219 ppm	0.1209 ppm	0.0015 ppm	132.7367 ppm	0.0020 ppm	-0.0005 ppm	0.0011 ppm
Concentration per Run 3	0.2231 ppm	0.1207 ppm	0.0016 ppm	130.3109 ppm	0.0012 ppm	-0.0014 ppm	0.0001 ppm
Concentration RSD	0.4 %	0.1 %	17.2 %	1.0 %	35.5 %	407.3 %	740.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0021 ppm	0.6866 ppm	0.0015 ppm	0.0243 ppm	0.0003 ppm	-0.0008 ppm	0.0001 ppm
Concentration per Run 1	0.0022 ppm	0.6918 ppm	0.0025 ppm	0.0244 ppm	0.0002 ppm	-0.0010 ppm	0.0000 ppm
Concentration per Run 2	0.0024 ppm	0.6815 ppm	0.0014 ppm	0.0243 ppm	0.0005 ppm	-0.0008 ppm	0.0002 ppm
Concentration per Run 3	0.0017 ppm	0.6864 ppm	0.0005 ppm	0.0242 ppm	0.0002 ppm	-0.0005 ppm	0.0000 ppm
Concentration RSD	16.8 %	0.7 %	67.0 %	0.4 %	43.7 %	36.0 %	206.7 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0029 ppm	94.6102 %	98.2064 %	85.4917 %	90.5319 %	96.2242 %	92.0935 %
Concentration per Run 1	0.0029 ppm	93.9840 %	98.6578 %	85.0237 %	90.0173 %	96.5290 %	91.9821 %
Concentration per Run 2	0.0029 ppm	95.1562 %	97.9219 %	86.5598 %	90.8999 %	96.5532 %	92.6980 %
Concentration per Run 3	0.0029 ppm	94.6905 %	98.0397 %	84.8915 %	90.6785 %	95.5905 %	91.6004 %
Concentration RSD	0.4 %	0.6 %	0.4 %	1.1 %	0.5 %	0.6 %	0.6 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: L2540464-03 WG2085097
 Analysis started at: 6/30/2025 10:12:54 AM
 Rack: 1
 Vial: 26
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0001 ppm	0.0739 ppm	-0.0006 ppm	0.0059 ppm	0.0050 ppm	0.0000 ppm	0.2423 ppm
Concentration per Run 1	0.0001 ppm	0.0695 ppm	0.0000 ppm	0.0054 ppm	0.0051 ppm	0.0000 ppm	0.2418 ppm
Concentration per Run 2	0.0002 ppm	0.0785 ppm	-0.0014 ppm	0.0060 ppm	0.0051 ppm	0.0000 ppm	0.2434 ppm
Concentration per Run 3	0.0000 ppm	0.0737 ppm	-0.0004 ppm	0.0064 ppm	0.0050 ppm	0.0000 ppm	0.2418 ppm
Concentration RSD	95.9 %	6.1 %	126.0 %	8.5 %	1.0 %	47.3 %	0.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0000 ppm	0.0002 ppm	0.0004 ppm	0.0005 ppm	0.0132 ppm	0.1461 ppm	0.0006 ppm
Concentration per Run 1	-0.0001 ppm	0.0004 ppm	0.0003 ppm	0.0005 ppm	0.0143 ppm	0.1531 ppm	0.0005 ppm
Concentration per Run 2	-0.0001 ppm	-0.0001 ppm	0.0003 ppm	0.0006 ppm	0.0122 ppm	0.1454 ppm	0.0003 ppm
Concentration per Run 3	0.0000 ppm	0.0002 ppm	0.0004 ppm	0.0004 ppm	0.0130 ppm	0.1397 ppm	0.0009 ppm
Concentration RSD	122.0 %	139.6 %	8.7 %	12.9 %	8.2 %	4.6 %	57.3 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0185 ppm	0.0094 ppm	0.0006 ppm	127.7631 [SIC 500]	0.0002 ppm	-0.0004 ppm	-0.0005 ppm
Concentration per Run 1	0.0189 ppm	0.0095 ppm	0.0008 ppm	127.0282 ppm	0.0000 ppm	0.0002 ppm	0.0004 ppm
Concentration per Run 2	0.0177 ppm	0.0096 ppm	0.0006 ppm	130.1681 ppm	-0.0001 ppm	-0.0003 ppm	-0.0003 ppm
Concentration per Run 3	0.0190 ppm	0.0092 ppm	0.0003 ppm	126.0932 ppm	0.0006 ppm	-0.0011 ppm	-0.0015 ppm
Concentration RSD	3.8 %	2.2 %	39.8 %	1.7 %	214.1 %	164.7 %	195.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0031 ppm	0.0852 ppm	0.0006 ppm	0.0013 ppm	0.0002 ppm	-0.0011 ppm	-0.0001 ppm
Concentration per Run 1	0.0023 ppm	0.0862 ppm	0.0008 ppm	0.0013 ppm	0.0002 ppm	-0.0008 ppm	0.0000 ppm
Concentration per Run 2	0.0039 ppm	0.0841 ppm	0.0010 ppm	0.0013 ppm	0.0001 ppm	-0.0013 ppm	-0.0001 ppm
Concentration per Run 3	0.0031 ppm	0.0853 ppm	0.0001 ppm	0.0013 ppm	0.0003 ppm	-0.0011 ppm	-0.0001 ppm
Concentration RSD	26.1 %	1.2 %	72.8 %	1.5 %	55.1 %	24.6 %	95.4 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0008 ppm	94.6378 %	98.2799 %	86.5698 %	90.9620 %	96.4442 %	93.0678 %
Concentration per Run 1	0.0008 ppm	94.6192 %	98.7798 %	86.0795 %	90.9403 %	96.6310 %	92.7962 %
Concentration per Run 2	0.0007 ppm	94.8948 %	98.2173 %	87.6007 %	91.3400 %	96.8502 %	93.0246 %
Concentration per Run 3	0.0009 ppm	94.3992 %	97.8427 %	86.0291 %	90.6057 %	95.8513 %	93.3826 %
Concentration RSD	14.2 %	0.3 %	0.5 %	1.0 %	0.4 %	0.5 %	0.3 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: L2540464-04 WG2085097
 Analysis started at: 6/30/2025 10:16:05 AM
 Rack: 1
 Vial: 27
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0002 ppm	0.0585 ppm	-0.0010 ppm	0.0064 ppm	0.0054 ppm	0.0000 ppm	0.7187 ppm
Concentration per Run 1	0.0003 ppm	0.0596 ppm	-0.0008 ppm	0.0066 ppm	0.0054 ppm	0.0000 ppm	0.7167 ppm
Concentration per Run 2	0.0004 ppm	0.0569 ppm	-0.0018 ppm	0.0072 ppm	0.0054 ppm	0.0000 ppm	0.7189 ppm
Concentration per Run 3	0.0000 ppm	0.0591 ppm	-0.0003 ppm	0.0053 ppm	0.0054 ppm	0.0000 ppm	0.7205 ppm
Concentration RSD	80.8 %	2.4 %	82.3 %	15.8 %	0.4 %	53.8 %	0.3 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0000 ppm	0.0000 ppm	0.0002 ppm	0.0005 ppm	0.0072 ppm	0.1439 ppm	0.0007 ppm
Concentration per Run 1	0.0001 ppm	0.0001 ppm	0.0004 ppm	0.0005 ppm	0.0065 ppm	0.1387 ppm	0.0000 ppm
Concentration per Run 2	-0.0001 ppm	0.0001 ppm	0.0002 ppm	0.0003 ppm	0.0080 ppm	0.1500 ppm	0.0010 ppm
Concentration per Run 3	0.0000 ppm	-0.0003 ppm	0.0001 ppm	0.0005 ppm	0.0073 ppm	0.1429 ppm	0.0012 ppm
Concentration RSD	639.5 %	1,268.0 %	75.8 %	26.1 %	10.7 %	4.0 %	89.1 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0429 ppm	0.0113 ppm	0.0005 ppm	126.6794 [SIC 500]	0.0006 ppm	-0.0002 ppm	0.0004 ppm
Concentration per Run 1	0.0424 ppm	0.0113 ppm	0.0002 ppm	127.6850 ppm	0.0011 ppm	-0.0007 ppm	-0.0013 ppm
Concentration per Run 2	0.0431 ppm	0.0113 ppm	0.0007 ppm	126.0415 ppm	0.0003 ppm	0.0001 ppm	0.0005 ppm
Concentration per Run 3	0.0432 ppm	0.0113 ppm	0.0005 ppm	126.3117 ppm	0.0004 ppm	0.0000 ppm	0.0019 ppm
Concentration RSD	1.1 %	0.2 %	45.7 %	0.7 %	68.8 %	240.1 %	424.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0022 ppm	0.1290 ppm	0.0002 ppm	0.0032 ppm	0.0001 ppm	-0.0012 ppm	0.0000 ppm
Concentration per Run 1	0.0034 ppm	0.1299 ppm	0.0000 ppm	0.0032 ppm	0.0003 ppm	-0.0012 ppm	0.0000 ppm
Concentration per Run 2	0.0023 ppm	0.1269 ppm	0.0006 ppm	0.0031 ppm	0.0001 ppm	-0.0015 ppm	0.0000 ppm
Concentration per Run 3	0.0010 ppm	0.1302 ppm	0.0000 ppm	0.0032 ppm	-0.0001 ppm	-0.0011 ppm	0.0000 ppm
Concentration RSD	53.8 %	1.4 %	198.5 %	1.7 %	190.8 %	16.3 %	246.1 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0007 ppm	95.0911 %	97.8972 %	86.7074 %	91.0947 %	96.0584 %	92.8784 %
Concentration per Run 1	0.0007 ppm	94.8575 %	97.9480 %	86.7754 %	91.1876 %	96.0618 %	93.0975 %
Concentration per Run 2	0.0008 ppm	95.6129 %	97.6410 %	86.8155 %	91.2502 %	95.8601 %	92.4502 %
Concentration per Run 3	0.0005 ppm	94.8028 %	98.1024 %	86.5314 %	90.8461 %	96.2533 %	93.0873 %
Concentration RSD	21.3 %	0.5 %	0.2 %	0.2 %	0.2 %	0.2 %	0.4 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: L2540464-05 WG2085097
 Analysis started at: 6/30/2025 10:19:16 AM
 Rack: 1
 Vial: 28
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0001 ppm	0.1283 ppm	-0.0003 ppm	0.0062 ppm	0.0109 ppm	0.0001 ppm	3.3484 ppm
Concentration per Run 1	-0.0001 ppm	0.1311 ppm	-0.0008 ppm	0.0056 ppm	0.0109 ppm	0.0001 ppm	3.3591 ppm
Concentration per Run 2	0.0003 ppm	0.1251 ppm	0.0006 ppm	0.0069 ppm	0.0110 ppm	0.0001 ppm	3.3368 ppm
Concentration per Run 3	0.0002 ppm	0.1288 ppm	-0.0006 ppm	0.0060 ppm	0.0109 ppm	0.0001 ppm	3.3491 ppm
Concentration RSD	179.1 %	2.3 %	299.5 %	11.4 %	0.4 %	6.5 %	0.3 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0001 ppm	0.0016 ppm	0.0030 ppm	0.0022 ppm	0.0706 ppm	0.3169 ppm	0.0006 ppm
Concentration per Run 1	-0.0001 ppm	0.0015 ppm	0.0030 ppm	0.0022 ppm	0.0709 ppm	0.3096 ppm	0.0008 ppm
Concentration per Run 2	-0.0001 ppm	0.0015 ppm	0.0030 ppm	0.0022 ppm	0.0701 ppm	0.3255 ppm	0.0003 ppm
Concentration per Run 3	-0.0001 ppm	0.0019 ppm	0.0030 ppm	0.0023 ppm	0.0708 ppm	0.3156 ppm	0.0006 ppm
Concentration RSD	9.1 %	14.0 %	1.0 %	3.4 %	0.6 %	2.5 %	40.7 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.1298 ppm	0.1095 ppm	0.0003 ppm	128.4683 [SIC 500]	0.0011 ppm	-0.0002 ppm	-0.0005 ppm
Concentration per Run 1	0.1298 ppm	0.1095 ppm	0.0001 ppm	128.9410 ppm	0.0009 ppm	-0.0005 ppm	-0.0008 ppm
Concentration per Run 2	0.1306 ppm	0.1094 ppm	0.0005 ppm	128.4087 ppm	0.0014 ppm	0.0004 ppm	-0.0004 ppm
Concentration per Run 3	0.1290 ppm	0.1095 ppm	0.0001 ppm	128.0552 ppm	0.0011 ppm	-0.0006 ppm	-0.0003 ppm
Concentration RSD	0.6 %	0.1 %	94.9 %	0.3 %	22.7 %	245.1 %	53.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0021 ppm	0.3756 ppm	0.0003 ppm	0.0085 ppm	0.0002 ppm	-0.0012 ppm	0.0001 ppm
Concentration per Run 1	0.0035 ppm	0.3797 ppm	-0.0001 ppm	0.0085 ppm	0.0001 ppm	-0.0024 ppm	0.0000 ppm
Concentration per Run 2	0.0012 ppm	0.3742 ppm	0.0003 ppm	0.0084 ppm	0.0002 ppm	-0.0003 ppm	0.0002 ppm
Concentration per Run 3	0.0015 ppm	0.3729 ppm	0.0008 ppm	0.0086 ppm	0.0003 ppm	-0.0011 ppm	0.0001 ppm
Concentration RSD	60.3 %	1.0 %	140.0 %	0.8 %	47.0 %	86.4 %	82.0 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0013 ppm	94.9913 %	97.7614 %	86.3891 %	91.0153 %	95.9359 %	93.1228 %
Concentration per Run 1	0.0011 ppm	94.0122 %	97.8981 %	86.7398 %	90.2205 %	96.4172 %	93.3171 %
Concentration per Run 2	0.0015 ppm	95.4111 %	97.7786 %	86.4265 %	91.1207 %	95.7719 %	93.0646 %
Concentration per Run 3	0.0012 ppm	95.5507 %	97.6075 %	86.0010 %	91.7046 %	95.6186 %	92.9867 %
Concentration RSD	17.4 %	0.9 %	0.1 %	0.4 %	0.8 %	0.4 %	0.2 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: L2540464-06 WG2085097
 Analysis started at: 6/30/2025 10:22:27 AM
 Rack: 1
 Vial: 29
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0002 ppm	0.1260 ppm	0.0003 ppm	0.0059 ppm	0.0092 ppm	0.0000 ppm	4.9043 ppm
Concentration per Run 1	0.0003 ppm	0.1194 ppm	0.0012 ppm	0.0064 ppm	0.0092 ppm	0.0000 ppm	4.9066 ppm
Concentration per Run 2	0.0002 ppm	0.1293 ppm	-0.0003 ppm	0.0056 ppm	0.0092 ppm	0.0000 ppm	4.9027 ppm
Concentration per Run 3	0.0002 ppm	0.1291 ppm	0.0001 ppm	0.0057 ppm	0.0092 ppm	0.0001 ppm	4.9036 ppm
Concentration RSD	37.6 %	4.5 %	259.7 %	6.8 %	0.3 %	44.8 %	0.0 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0001 ppm	0.0006 ppm	0.0017 ppm	0.0012 ppm	0.0249 ppm	0.2448 ppm	0.0010 ppm
Concentration per Run 1	0.0000 ppm	0.0003 ppm	0.0016 ppm	0.0013 ppm	0.0237 ppm	0.2409 ppm	0.0014 ppm
Concentration per Run 2	-0.0001 ppm	0.0008 ppm	0.0020 ppm	0.0009 ppm	0.0268 ppm	0.2454 ppm	0.0009 ppm
Concentration per Run 3	-0.0001 ppm	0.0006 ppm	0.0017 ppm	0.0013 ppm	0.0241 ppm	0.2481 ppm	0.0007 ppm
Concentration RSD	10.4 %	43.2 %	11.7 %	17.6 %	6.7 %	1.5 %	37.6 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.1703 ppm	0.1078 ppm	0.0003 ppm	120.4273 [SIC 500]	0.0020 ppm	0.0000 ppm	-0.0004 ppm
Concentration per Run 1	0.1721 ppm	0.1079 ppm	0.0001 ppm	119.9342 ppm	0.0022 ppm	0.0010 ppm	-0.0002 ppm
Concentration per Run 2	0.1694 ppm	0.1071 ppm	0.0006 ppm	120.3608 ppm	0.0015 ppm	-0.0002 ppm	0.0013 ppm
Concentration per Run 3	0.1695 ppm	0.1082 ppm	0.0001 ppm	120.9870 ppm	0.0022 ppm	-0.0009 ppm	-0.0024 ppm
Concentration RSD	0.9 %	0.5 %	106.8 %	0.4 %	20.1 %	3,388.2 %	438.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0022 ppm	0.5842 ppm	0.0001 ppm	0.0090 ppm	0.0003 ppm	-0.0018 ppm	0.0000 ppm
Concentration per Run 1	0.0017 ppm	0.5873 ppm	0.0007 ppm	0.0090 ppm	0.0002 ppm	-0.0022 ppm	0.0001 ppm
Concentration per Run 2	0.0039 ppm	0.5840 ppm	0.0002 ppm	0.0090 ppm	0.0002 ppm	-0.0011 ppm	-0.0003 ppm
Concentration per Run 3	0.0010 ppm	0.5813 ppm	-0.0005 ppm	0.0089 ppm	0.0004 ppm	-0.0020 ppm	0.0001 ppm
Concentration RSD	66.9 %	0.5 %	581.2 %	0.4 %	39.9 %	33.0 %	666.1 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0028 ppm	95.3950 %	97.6738 %	87.9069 %	91.3064 %	95.7425 %	93.8155 %
Concentration per Run 1	0.0029 ppm	95.2175 %	96.9083 %	88.7438 %	91.2315 %	94.8636 %	94.6556 %
Concentration per Run 2	0.0027 ppm	95.2668 %	97.8952 %	86.7173 %	91.2623 %	96.1122 %	92.9839 %
Concentration per Run 3	0.0028 ppm	95.7009 %	98.2179 %	88.2594 %	91.4254 %	96.2518 %	93.8070 %
Concentration RSD	2.5 %	0.3 %	0.7 %	1.2 %	0.1 %	0.8 %	0.9 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: CCV
Analysis started at: 6/30/2025 10:25:39 AM
Rack: 0
Vial: 3
Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.4923 ppm	0.4685 ppm	0.4842 ppm	0.4668 ppm	0.4942 ppm	0.5022 ppm	0.4900 ppm
Concentration per Run 1	0.4900 ppm	0.4713 ppm	0.4864 ppm	0.4678 ppm	0.4932 ppm	0.5002 ppm	0.4888 ppm
Concentration per Run 2	0.4922 ppm	0.4678 ppm	0.4832 ppm	0.4661 ppm	0.4964 ppm	0.5041 ppm	0.4935 ppm
Concentration per Run 3	0.4949 ppm	0.4665 ppm	0.4830 ppm	0.4665 ppm	0.4931 ppm	0.5022 ppm	0.4878 ppm
Recovery Percentage 1	98.468 %	93.703 %	96.840 %	93.356 %	98.850 %	100.434 %	98.006 %
Concentration RSD	0.5 %	0.5 %	0.4 %	0.2 %	0.4 %	0.4 %	0.6 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.4737 ppm	0.4812 ppm	0.4808 ppm	0.4919 ppm	0.4992 ppm	5.0323 ppm	0.4998 ppm
Concentration per Run 1	0.4738 ppm	0.4818 ppm	0.4795 ppm	0.4909 ppm	0.4962 ppm	5.0269 ppm	0.4979 ppm
Concentration per Run 2	0.4741 ppm	0.4806 ppm	0.4816 ppm	0.4921 ppm	0.5029 ppm	5.0554 ppm	0.4984 ppm
Concentration per Run 3	0.4730 ppm	0.4812 ppm	0.4814 ppm	0.4927 ppm	0.4985 ppm	5.0145 ppm	0.5032 ppm
Recovery Percentage 1	94.735 %	96.237 %	96.167 %	98.377 %	99.842 %	100.646 %	99.962 %
Concentration RSD	0.1 %	0.1 %	0.2 %	0.2 %	0.7 %	0.4 %	0.6 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.4793 ppm	0.4938 ppm	0.4666 ppm	9.7523 ppm	0.4868 ppm	0.5098 ppm	0.4897 ppm
Concentration per Run 1	0.4787 ppm	0.4934 ppm	0.4652 ppm	9.7544 ppm	0.4871 ppm	0.5133 ppm	0.4872 ppm
Concentration per Run 2	0.4771 ppm	0.4957 ppm	0.4663 ppm	9.7923 ppm	0.4863 ppm	0.5080 ppm	0.4913 ppm
Concentration per Run 3	0.4820 ppm	0.4922 ppm	0.4683 ppm	9.7101 ppm	0.4872 ppm	0.5081 ppm	0.4906 ppm
Recovery Percentage 1	95.854 %	98.751 %	93.323 %	97.523 %	97.369 %	101.964 %	97.941 %
Concentration RSD	0.5 %	0.4 %	0.3 %	0.4 %	0.1 %	0.6 %	0.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.4873 ppm	5.0989 ppm	0.4765 ppm	0.4915 ppm	0.4773 ppm	0.5153 ppm	0.4885 ppm
Concentration per Run 1	0.4858 ppm	5.0747 ppm	0.4788 ppm	0.4920 ppm	0.4766 ppm	0.5161 ppm	0.4871 ppm
Concentration per Run 2	0.4889 ppm	5.0931 ppm	0.4748 ppm	0.4924 ppm	0.4768 ppm	0.5152 ppm	0.4884 ppm
Concentration per Run 3	0.4873 ppm	5.1290 ppm	0.4758 ppm	0.4901 ppm	0.4785 ppm	0.5147 ppm	0.4900 ppm
Recovery Percentage 1	97.467 %	97.122 %	95.291 %	98.299 %	95.461 %	103.060 %	97.700 %
Concentration RSD	0.3 %	0.5 %	0.4 %	0.2 %	0.2 %	0.1 %	0.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4809 ppm	101.0061 %	100.6185 %	97.7396 %	97.5705 %	99.1842 %	98.8695 %
Concentration per Run 1	0.4818 ppm	101.1855 %	100.7612 %	96.9867 %	97.8102 %	99.2459 %	98.5737 %
Concentration per Run 2	0.4806 ppm	101.1468 %	100.1227 %	97.6867 %	97.5740 %	98.8946 %	98.6864 %
Concentration per Run 3	0.4803 ppm	100.6861 %	100.9715 %	98.5454 %	97.3274 %	99.4122 %	99.3483 %
Recovery Percentage 1	96.181 %						
Concentration RSD	0.2 %	0.3 %	0.4 %	0.8 %	0.2 %	0.3 %	0.4 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: CCB
Analysis started at: 6/30/2025 10:28:52 AM
Rack: 0
Vial: 4
Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0004 ppm	-0.0048 ppm	-0.0010 ppm	0.0011 ppm	0.0000 ppm	0.0000 ppm	0.0005 ppm
Concentration per Run 1	0.0006 ppm	-0.0054 ppm	-0.0006 ppm	0.0013 ppm	0.0000 ppm	0.0001 ppm	0.0004 ppm
Concentration per Run 2	0.0004 ppm	-0.0071 ppm	-0.0016 ppm	0.0008 ppm	0.0001 ppm	0.0000 ppm	-0.0009 ppm
Concentration per Run 3	0.0001 ppm	-0.0019 ppm	-0.0007 ppm	0.0011 ppm	0.0001 ppm	0.0000 ppm	0.0019 ppm
Recovery Percentage 1	5.252 %	-4.795 %	-19.294 %	3.577 %	0.302 %	1.104 %	0.470 %
Concentration RSD	62.7 %	55.6 %	58.6 %	23.7 %	137.8 %	31.2 %	297.3 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0000 ppm	-0.0001 ppm	0.0002 ppm	-0.0001 ppm	0.0000 ppm	0.0056 ppm	0.0005 ppm
Concentration per Run 1	0.0000 ppm	0.0002 ppm	0.0002 ppm	-0.0002 ppm	-0.0005 ppm	0.0034 ppm	0.0002 ppm
Concentration per Run 2	0.0001 ppm	-0.0003 ppm	0.0002 ppm	0.0000 ppm	0.0001 ppm	0.0059 ppm	0.0005 ppm
Concentration per Run 3	0.0000 ppm	-0.0001 ppm	0.0000 ppm	0.0000 ppm	0.0003 ppm	0.0075 ppm	0.0007 ppm
Recovery Percentage 1	0.870 %	-0.500 %	1.636 %	-0.644 %	-0.026 %	0.225 %	9.384 %
Concentration RSD	114.0 %	241.4 %	73.5 %	138.1 %	3,195.8 %	37.0 %	51.4 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0020 ppm	0.0001 ppm	0.0022 ppm	0.0131 ppm	0.0000 ppm	-0.0005 ppm	-0.0018 ppm
Concentration per Run 1	0.0009 ppm	0.0001 ppm	0.0023 ppm	0.0115 ppm	-0.0002 ppm	-0.0012 ppm	-0.0013 ppm
Concentration per Run 2	0.0023 ppm	0.0002 ppm	0.0023 ppm	0.0147 ppm	0.0000 ppm	-0.0003 ppm	-0.0016 ppm
Concentration per Run 3	0.0027 ppm	0.0001 ppm	0.0021 ppm	0.0131 ppm	0.0002 ppm	-0.0001 ppm	-0.0025 ppm
Recovery Percentage 1	1.956 %	0.953 %	4.464 %	0.655 %	-0.128 %	-5.234 %	-3.581 %
Concentration RSD	48.8 %	52.4 %	3.7 %	12.2 %	604.3 %	107.5 %	37.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0001 ppm	-0.0048 ppm	0.0004 ppm	0.0000 ppm	0.0002 ppm	0.0002 ppm	0.0000 ppm
Concentration per Run 1	0.0013 ppm	-0.0052 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	-0.0011 ppm	0.0000 ppm
Concentration per Run 2	-0.0002 ppm	-0.0057 ppm	0.0008 ppm	0.0000 ppm	0.0003 ppm	0.0004 ppm	0.0001 ppm
Concentration per Run 3	-0.0008 ppm	-0.0036 ppm	0.0004 ppm	0.0000 ppm	0.0003 ppm	0.0014 ppm	0.0000 ppm
Recovery Percentage 1	0.920 %	-0.970 %	0.792 %	-0.180 %	1.955 %	1.246 %	0.467 %
Concentration RSD	1,143.5 %	22.1 %	100.3 %	26.4 %	74.9 %	493.2 %	169.6 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0004 ppm	101.0202 %	100.6811 %	99.7861 %	100.1764 %	100.9028 %	100.5098 %
Concentration per Run 1	-0.0005 ppm	101.1620 %	100.6150 %	99.1467 %	100.4415 %	100.6650 %	100.3524 %
Concentration per Run 2	-0.0003 ppm	100.6181 %	100.5327 %	100.0759 %	99.6640 %	100.9883 %	100.1849 %
Concentration per Run 3	-0.0004 ppm	101.2806 %	100.8957 %	100.1357 %	100.4237 %	101.0551 %	100.9920 %
Recovery Percentage 1	-8.321 %						
Concentration RSD	19.5 %	0.3 %	0.2 %	0.6 %	0.4 %	0.2 %	0.4 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: L2540464-08 WG2085097
 Analysis started at: 6/30/2025 10:38:35 AM
 Rack: 1
 Vial: 30
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0002 ppm	0.0565 ppm	-0.0007 ppm	0.0064 ppm	0.0050 ppm	0.0000 ppm	0.4287 ppm
Concentration per Run 1	0.0004 ppm	0.0568 ppm	0.0005 ppm	0.0066 ppm	0.0050 ppm	0.0000 ppm	0.4300 ppm
Concentration per Run 2	0.0001 ppm	0.0559 ppm	-0.0007 ppm	0.0063 ppm	0.0049 ppm	0.0000 ppm	0.4301 ppm
Concentration per Run 3	-0.0001 ppm	0.0568 ppm	-0.0020 ppm	0.0064 ppm	0.0050 ppm	0.0000 ppm	0.4260 ppm
Concentration RSD	147.7 %	0.9 %	175.4 %	2.6 %	0.6 %	24.0 %	0.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0001 ppm	-0.0003 ppm	0.0003 ppm	0.0002 ppm	0.0025 ppm	0.1034 ppm	0.0006 ppm
Concentration per Run 1	-0.0002 ppm	-0.0005 ppm	0.0004 ppm	0.0004 ppm	0.0015 ppm	0.1134 ppm	0.0001 ppm
Concentration per Run 2	0.0000 ppm	-0.0001 ppm	0.0003 ppm	0.0001 ppm	0.0026 ppm	0.1022 ppm	0.0008 ppm
Concentration per Run 3	-0.0001 ppm	-0.0001 ppm	0.0001 ppm	0.0001 ppm	0.0033 ppm	0.0946 ppm	0.0010 ppm
Concentration RSD	123.1 %	95.9 %	57.5 %	87.5 %	36.5 %	9.2 %	80.1 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0280 ppm	0.0072 ppm	0.0000 ppm	123.6165 [SIC 500]	-0.0001 ppm	-0.0011 ppm	-0.0001 ppm
Concentration per Run 1	0.0293 ppm	0.0073 ppm	-0.0004 ppm	122.9154 ppm	-0.0001 ppm	-0.0010 ppm	0.0002 ppm
Concentration per Run 2	0.0265 ppm	0.0073 ppm	0.0001 ppm	122.2234 ppm	0.0001 ppm	-0.0015 ppm	0.0000 ppm
Concentration per Run 3	0.0282 ppm	0.0072 ppm	0.0004 ppm	125.7107 ppm	-0.0005 ppm	-0.0008 ppm	-0.0006 ppm
Concentration RSD	5.1 %	0.9 %	2,095.9 %	1.5 %	194.8 %	33.5 %	306.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0018 ppm	0.1180 ppm	0.0003 ppm	0.0022 ppm	0.0003 ppm	-0.0012 ppm	0.0001 ppm
Concentration per Run 1	0.0015 ppm	0.1166 ppm	0.0003 ppm	0.0022 ppm	0.0002 ppm	-0.0016 ppm	0.0001 ppm
Concentration per Run 2	0.0022 ppm	0.1181 ppm	0.0002 ppm	0.0022 ppm	0.0002 ppm	-0.0014 ppm	0.0001 ppm
Concentration per Run 3	0.0017 ppm	0.1194 ppm	0.0005 ppm	0.0023 ppm	0.0005 ppm	-0.0007 ppm	0.0000 ppm
Concentration RSD	19.8 %	1.2 %	49.0 %	2.0 %	69.4 %	39.3 %	62.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0006 ppm	95.7346 %	97.9152 %	86.9077 %	91.7170 %	96.6524 %	93.4705 %
Concentration per Run 1	0.0006 ppm	95.5107 %	97.1594 %	87.1448 %	91.3783 %	96.1068 %	93.4890 %
Concentration per Run 2	0.0006 ppm	96.4077 %	98.0828 %	87.5008 %	91.9705 %	96.4500 %	93.6916 %
Concentration per Run 3	0.0005 ppm	95.2856 %	98.5034 %	86.0776 %	91.8021 %	97.4004 %	93.2310 %
Concentration RSD	8.0 %	0.6 %	0.7 %	0.9 %	0.3 %	0.7 %	0.2 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: L2540464-09 WG2085097
 Analysis started at: 6/30/2025 10:41:53 AM
 Rack: 1
 Vial: 31
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0001 ppm	0.1310 ppm	-0.0016 ppm	0.0082 ppm	0.0099 ppm	0.0000 ppm	6.4753 ppm
Concentration per Run 1	0.0003 ppm	0.1303 ppm	-0.0017 ppm	0.0084 ppm	0.0099 ppm	0.0001 ppm	6.4250 ppm
Concentration per Run 2	-0.0001 ppm	0.1344 ppm	-0.0019 ppm	0.0077 ppm	0.0099 ppm	0.0000 ppm	6.4899 ppm
Concentration per Run 3	0.0001 ppm	0.1282 ppm	-0.0012 ppm	0.0086 ppm	0.0099 ppm	0.0001 ppm	6.5110 ppm
Concentration RSD	168.6 %	2.4 %	20.9 %	6.3 %	0.4 %	31.9 %	0.7 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0001 ppm	0.0003 ppm	0.0029 ppm	0.0013 ppm	0.1336 ppm	0.2676 ppm	0.0011 ppm
Concentration per Run 1	-0.0001 ppm	0.0008 ppm	0.0028 ppm	0.0015 ppm	0.1346 ppm	0.2678 ppm	0.0011 ppm
Concentration per Run 2	0.0000 ppm	-0.0001 ppm	0.0030 ppm	0.0013 ppm	0.1333 ppm	0.2635 ppm	0.0011 ppm
Concentration per Run 3	-0.0001 ppm	0.0003 ppm	0.0028 ppm	0.0013 ppm	0.1330 ppm	0.2714 ppm	0.0012 ppm
Concentration RSD	87.0 %	155.6 %	3.7 %	7.6 %	0.6 %	1.5 %	5.7 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.1955 ppm	0.0545 ppm	0.0001 ppm	123.4140 [SIC 500]	0.0005 ppm	-0.0001 ppm	-0.0019 ppm
Concentration per Run 1	0.1975 ppm	0.0541 ppm	0.0004 ppm	121.9422 ppm	0.0004 ppm	-0.0003 ppm	-0.0023 ppm
Concentration per Run 2	0.1951 ppm	0.0544 ppm	0.0002 ppm	125.1312 ppm	0.0004 ppm	0.0005 ppm	-0.0018 ppm
Concentration per Run 3	0.1939 ppm	0.0550 ppm	-0.0002 ppm	123.1685 ppm	0.0006 ppm	-0.0006 ppm	-0.0015 ppm
Concentration RSD	0.9 %	0.8 %	233.0 %	1.3 %	29.1 %	392.0 %	20.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0020 ppm	0.7913 ppm	0.0001 ppm	0.0179 ppm	0.0002 ppm	-0.0009 ppm	0.0000 ppm
Concentration per Run 1	0.0029 ppm	0.7909 ppm	0.0002 ppm	0.0179 ppm	0.0001 ppm	-0.0010 ppm	0.0001 ppm
Concentration per Run 2	0.0017 ppm	0.7950 ppm	-0.0001 ppm	0.0179 ppm	0.0002 ppm	-0.0010 ppm	0.0000 ppm
Concentration per Run 3	0.0015 ppm	0.7878 ppm	0.0002 ppm	0.0178 ppm	0.0003 ppm	-0.0007 ppm	0.0000 ppm
Concentration RSD	38.6 %	0.5 %	235.4 %	0.4 %	52.8 %	20.1 %	142.5 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0022 ppm	95.8841 %	98.1075 %	86.9913 %	91.9788 %	96.3336 %	93.6600 %
Concentration per Run 1	0.0020 ppm	95.6609 %	98.2726 %	86.9704 %	91.5251 %	96.0869 %	94.0023 %
Concentration per Run 2	0.0021 ppm	95.8538 %	97.9879 %	87.2914 %	92.0539 %	96.4862 %	93.6465 %
Concentration per Run 3	0.0025 ppm	96.1378 %	98.0620 %	86.7120 %	92.3574 %	96.4277 %	93.3313 %
Concentration RSD	10.9 %	0.3 %	0.2 %	0.3 %	0.5 %	0.2 %	0.4 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: L2540464-10 WG2085097
 Analysis started at: 6/30/2025 10:45:06 AM
 Rack: 1
 Vial: 32
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0002 ppm	0.0945 ppm	-0.0003 ppm	0.0060 ppm	0.0047 ppm	0.0000 ppm	0.2886 ppm
Concentration per Run 1	-0.0001 ppm	0.0978 ppm	-0.0027 ppm	0.0049 ppm	0.0046 ppm	0.0000 ppm	0.2873 ppm
Concentration per Run 2	0.0004 ppm	0.0927 ppm	0.0024 ppm	0.0072 ppm	0.0047 ppm	0.0000 ppm	0.2897 ppm
Concentration per Run 3	0.0001 ppm	0.0929 ppm	-0.0007 ppm	0.0058 ppm	0.0047 ppm	0.0001 ppm	0.2887 ppm
Concentration RSD	158.6 %	3.1 %	765.5 %	19.5 %	1.6 %	53.6 %	0.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0001 ppm	-0.0001 ppm	0.0004 ppm	0.0007 ppm	0.0084 ppm	0.1409 ppm	0.0005 ppm
Concentration per Run 1	0.0000 ppm	0.0000 ppm	0.0005 ppm	0.0007 ppm	0.0077 ppm	0.1428 ppm	0.0005 ppm
Concentration per Run 2	-0.0001 ppm	-0.0002 ppm	0.0003 ppm	0.0007 ppm	0.0089 ppm	0.1470 ppm	0.0003 ppm
Concentration per Run 3	-0.0001 ppm	0.0000 ppm	0.0004 ppm	0.0006 ppm	0.0085 ppm	0.1329 ppm	0.0009 ppm
Concentration RSD	36.6 %	201.4 %	30.7 %	8.8 %	7.5 %	5.1 %	54.4 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0269 ppm	0.0143 ppm	-0.0001 ppm	121.2852 [SIC 500]	0.0001 ppm	-0.0005 ppm	-0.0021 ppm
Concentration per Run 1	0.0272 ppm	0.0143 ppm	-0.0002 ppm	121.3078 ppm	0.0002 ppm	0.0001 ppm	-0.0014 ppm
Concentration per Run 2	0.0264 ppm	0.0143 ppm	0.0001 ppm	122.2294 ppm	0.0003 ppm	-0.0014 ppm	-0.0021 ppm
Concentration per Run 3	0.0272 ppm	0.0143 ppm	-0.0001 ppm	120.3185 ppm	-0.0002 ppm	-0.0003 ppm	-0.0027 ppm
Concentration RSD	1.6 %	0.0 %	358.3 %	0.8 %	373.4 %	143.0 %	31.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0014 ppm	0.1313 ppm	0.0024 ppm	0.0009 ppm	-0.0001 ppm	-0.0010 ppm	-0.0001 ppm
Concentration per Run 1	0.0019 ppm	0.1311 ppm	0.0027 ppm	0.0009 ppm	-0.0001 ppm	-0.0007 ppm	-0.0002 ppm
Concentration per Run 2	0.0018 ppm	0.1310 ppm	0.0025 ppm	0.0009 ppm	-0.0001 ppm	-0.0011 ppm	-0.0001 ppm
Concentration per Run 3	0.0004 ppm	0.1317 ppm	0.0020 ppm	0.0010 ppm	0.0000 ppm	-0.0013 ppm	-0.0001 ppm
Concentration RSD	59.9 %	0.3 %	15.0 %	3.5 %	101.7 %	32.6 %	51.1 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0012 ppm	95.8493 %	97.7162 %	87.6099 %	92.2235 %	96.2513 %	93.8975 %
Concentration per Run 1	0.0012 ppm	95.0538 %	97.9349 %	87.9772 %	91.1591 %	96.5147 %	93.9580 %
Concentration per Run 2	0.0013 ppm	96.0714 %	97.6729 %	86.9748 %	92.7070 %	96.3661 %	93.4574 %
Concentration per Run 3	0.0011 ppm	96.4226 %	97.5408 %	87.8778 %	92.8045 %	95.8730 %	94.2771 %
Concentration RSD	6.4 %	0.7 %	0.2 %	0.6 %	1.0 %	0.3 %	0.4 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: L2540464-11 WG2085097
 Analysis started at: 6/30/2025 10:48:19 AM
 Rack: 1
 Vial: 33
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0002 ppm	0.0649 ppm	-0.0001 ppm	0.0055 ppm	0.0072 ppm	0.0000 ppm	0.8093 ppm
Concentration per Run 1	0.0000 ppm	0.0672 ppm	-0.0002 ppm	0.0050 ppm	0.0072 ppm	0.0000 ppm	0.8099 ppm
Concentration per Run 2	0.0003 ppm	0.0631 ppm	0.0006 ppm	0.0050 ppm	0.0071 ppm	0.0000 ppm	0.8161 ppm
Concentration per Run 3	0.0002 ppm	0.0645 ppm	-0.0007 ppm	0.0066 ppm	0.0072 ppm	0.0000 ppm	0.8019 ppm
Concentration RSD	73.6 %	3.2 %	838.6 %	16.2 %	0.7 %	84.5 %	0.9 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0000 ppm	-0.0002 ppm	0.0004 ppm	0.0003 ppm	0.0023 ppm	0.1545 ppm	0.0004 ppm
Concentration per Run 1	0.0000 ppm	0.0000 ppm	0.0002 ppm	0.0001 ppm	0.0031 ppm	0.1601 ppm	0.0005 ppm
Concentration per Run 2	-0.0001 ppm	-0.0006 ppm	0.0003 ppm	0.0004 ppm	0.0016 ppm	0.1563 ppm	0.0001 ppm
Concentration per Run 3	0.0000 ppm	0.0000 ppm	0.0006 ppm	0.0005 ppm	0.0020 ppm	0.1471 ppm	0.0007 ppm
Concentration RSD	130.0 %	152.7 %	48.8 %	58.8 %	35.3 %	4.3 %	64.0 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0391 ppm	0.0147 ppm	-0.0001 ppm	124.7615 [SIC 500]	0.0007 ppm	-0.0002 ppm	-0.0009 ppm
Concentration per Run 1	0.0386 ppm	0.0146 ppm	0.0000 ppm	125.4031 ppm	0.0007 ppm	0.0002 ppm	-0.0014 ppm
Concentration per Run 2	0.0397 ppm	0.0148 ppm	0.0000 ppm	124.1309 ppm	0.0006 ppm	-0.0006 ppm	-0.0032 ppm
Concentration per Run 3	0.0391 ppm	0.0145 ppm	-0.0002 ppm	124.7507 ppm	0.0008 ppm	-0.0002 ppm	0.0018 ppm
Concentration RSD	1.3 %	1.0 %	138.2 %	0.5 %	16.9 %	202.8 %	273.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0021 ppm	0.1181 ppm	0.0007 ppm	0.0030 ppm	0.0001 ppm	-0.0009 ppm	0.0000 ppm
Concentration per Run 1	0.0006 ppm	0.1170 ppm	0.0003 ppm	0.0030 ppm	0.0001 ppm	-0.0008 ppm	-0.0001 ppm
Concentration per Run 2	0.0033 ppm	0.1152 ppm	0.0011 ppm	0.0030 ppm	-0.0002 ppm	-0.0011 ppm	0.0002 ppm
Concentration per Run 3	0.0025 ppm	0.1221 ppm	0.0007 ppm	0.0030 ppm	0.0002 ppm	-0.0008 ppm	0.0000 ppm
Concentration RSD	65.3 %	3.0 %	54.8 %	0.4 %	362.3 %	20.1 %	394.0 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0003 ppm	94.6494 %	98.5935 %	87.7781 %	90.8387 %	96.5292 %	93.7970 %
Concentration per Run 1	0.0003 ppm	95.7052 %	98.6523 %	87.8205 %	91.6567 %	96.5829 %	93.4304 %
Concentration per Run 2	0.0004 ppm	94.2073 %	97.8844 %	87.7827 %	90.2817 %	96.0945 %	94.3765 %
Concentration per Run 3	0.0001 ppm	94.0357 %	99.2438 %	87.7310 %	90.5778 %	96.9101 %	93.5841 %
Concentration RSD	67.3 %	1.0 %	0.7 %	0.1 %	0.8 %	0.4 %	0.5 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: L2540464-12 WG2085097
 Analysis started at: 6/30/2025 10:51:32 AM
 Rack: 1
 Vial: 34
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0001 ppm	0.1115 ppm	-0.0004 ppm	0.0056 ppm	0.0100 ppm	0.0000 ppm	3.7292 ppm
Concentration per Run 1	0.0000 ppm	0.1106 ppm	-0.0002 ppm	0.0061 ppm	0.0100 ppm	0.0000 ppm	3.7628 ppm
Concentration per Run 2	0.0003 ppm	0.1147 ppm	-0.0007 ppm	0.0056 ppm	0.0100 ppm	0.0000 ppm	3.7050 ppm
Concentration per Run 3	0.0001 ppm	0.1092 ppm	-0.0001 ppm	0.0049 ppm	0.0099 ppm	0.0000 ppm	3.7197 ppm
Concentration RSD	82.6 %	2.6 %	85.8 %	11.4 %	0.8 %	21.0 %	0.8 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0000 ppm	0.0008 ppm	0.0018 ppm	0.0013 ppm	0.0610 ppm	0.2530 ppm	0.0005 ppm
Concentration per Run 1	0.0000 ppm	0.0008 ppm	0.0017 ppm	0.0014 ppm	0.0609 ppm	0.2531 ppm	0.0006 ppm
Concentration per Run 2	0.0000 ppm	0.0007 ppm	0.0018 ppm	0.0013 ppm	0.0601 ppm	0.2498 ppm	0.0002 ppm
Concentration per Run 3	-0.0001 ppm	0.0010 ppm	0.0019 ppm	0.0013 ppm	0.0621 ppm	0.2561 ppm	0.0005 ppm
Concentration RSD	130.8 %	15.4 %	4.4 %	4.7 %	1.6 %	1.2 %	45.4 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.1106 ppm	0.0596 ppm	0.0001 ppm	119.4928 [SIC 500]	0.0008 ppm	-0.0005 ppm	-0.0022 ppm
Concentration per Run 1	0.1118 ppm	0.0598 ppm	0.0003 ppm	118.9304 ppm	0.0001 ppm	-0.0013 ppm	-0.0036 ppm
Concentration per Run 2	0.1099 ppm	0.0595 ppm	-0.0001 ppm	120.0705 ppm	0.0008 ppm	-0.0005 ppm	-0.0020 ppm
Concentration per Run 3	0.1101 ppm	0.0595 ppm	0.0000 ppm	119.4774 ppm	0.0015 ppm	0.0001 ppm	-0.0010 ppm
Concentration RSD	0.9 %	0.2 %	329.4 %	0.5 %	82.1 %	123.9 %	58.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0021 ppm	0.3446 ppm	0.0002 ppm	0.0115 ppm	0.0001 ppm	-0.0013 ppm	0.0000 ppm
Concentration per Run 1	0.0018 ppm	0.3470 ppm	0.0004 ppm	0.0116 ppm	0.0002 ppm	-0.0013 ppm	-0.0001 ppm
Concentration per Run 2	0.0008 ppm	0.3451 ppm	0.0003 ppm	0.0115 ppm	0.0001 ppm	-0.0020 ppm	0.0000 ppm
Concentration per Run 3	0.0035 ppm	0.3418 ppm	-0.0002 ppm	0.0114 ppm	0.0001 ppm	-0.0006 ppm	0.0001 ppm
Concentration RSD	66.2 %	0.8 %	173.3 %	1.0 %	47.3 %	52.3 %	427.0 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0010 ppm	95.5500 %	97.6537 %	87.2890 %	91.6753 %	96.3764 %	93.9596 %
Concentration per Run 1	0.0008 ppm	95.1514 %	96.9773 %	87.2627 %	91.2225 %	96.4054 %	94.0776 %
Concentration per Run 2	0.0013 ppm	95.6254 %	97.9749 %	86.5703 %	91.9388 %	96.3439 %	93.4897 %
Concentration per Run 3	0.0010 ppm	95.8731 %	98.0091 %	88.0341 %	91.8646 %	96.3800 %	94.3116 %
Concentration RSD	22.1 %	0.4 %	0.6 %	0.8 %	0.4 %	0.0 %	0.5 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: L2540464-13 WG2085097
 Analysis started at: 6/30/2025 10:54:45 AM
 Rack: 1
 Vial: 35
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0002 ppm	0.0989 ppm	-0.0005 ppm	0.0052 ppm	0.0072 ppm	0.0000 ppm	0.1845 ppm
Concentration per Run 1	0.0002 ppm	0.0993 ppm	-0.0007 ppm	0.0048 ppm	0.0073 ppm	0.0000 ppm	0.1816 ppm
Concentration per Run 2	0.0005 ppm	0.0992 ppm	0.0000 ppm	0.0059 ppm	0.0072 ppm	0.0000 ppm	0.1871 ppm
Concentration per Run 3	0.0001 ppm	0.0981 ppm	-0.0007 ppm	0.0049 ppm	0.0072 ppm	0.0000 ppm	0.1848 ppm
Concentration RSD	79.4 %	0.6 %	78.2 %	12.0 %	1.0 %	29.5 %	1.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0001 ppm	-0.0001 ppm	0.0004 ppm	0.0003 ppm	0.0149 ppm	0.1537 ppm	0.0007 ppm
Concentration per Run 1	-0.0001 ppm	-0.0003 ppm	0.0004 ppm	0.0002 ppm	0.0152 ppm	0.1579 ppm	0.0009 ppm
Concentration per Run 2	0.0000 ppm	-0.0001 ppm	0.0002 ppm	0.0003 ppm	0.0146 ppm	0.1535 ppm	0.0002 ppm
Concentration per Run 3	-0.0001 ppm	0.0002 ppm	0.0006 ppm	0.0003 ppm	0.0149 ppm	0.1497 ppm	0.0009 ppm
Concentration RSD	38.0 %	265.0 %	42.7 %	14.7 %	2.0 %	2.7 %	57.9 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0201 ppm	0.0109 ppm	0.0001 ppm	120.0157 [SIC 500]	-0.0001 ppm	-0.0006 ppm	-0.0002 ppm
Concentration per Run 1	0.0209 ppm	0.0108 ppm	0.0000 ppm	120.9735 ppm	-0.0001 ppm	-0.0009 ppm	0.0019 ppm
Concentration per Run 2	0.0198 ppm	0.0111 ppm	0.0001 ppm	119.3545 ppm	-0.0006 ppm	-0.0008 ppm	-0.0010 ppm
Concentration per Run 3	0.0195 ppm	0.0108 ppm	0.0003 ppm	119.7190 ppm	0.0005 ppm	-0.0001 ppm	-0.0014 ppm
Concentration RSD	3.6 %	1.4 %	132.4 %	0.7 %	760.3 %	76.9 %	1,070.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0027 ppm	0.1014 ppm	0.0002 ppm	0.0013 ppm	0.0001 ppm	-0.0009 ppm	0.0000 ppm
Concentration per Run 1	0.0012 ppm	0.1017 ppm	0.0006 ppm	0.0013 ppm	-0.0001 ppm	-0.0008 ppm	0.0000 ppm
Concentration per Run 2	0.0036 ppm	0.1027 ppm	-0.0005 ppm	0.0012 ppm	0.0003 ppm	-0.0006 ppm	0.0000 ppm
Concentration per Run 3	0.0032 ppm	0.0998 ppm	0.0005 ppm	0.0013 ppm	0.0000 ppm	-0.0014 ppm	0.0001 ppm
Concentration RSD	48.5 %	1.4 %	265.1 %	3.8 %	413.6 %	44.8 %	519.8 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0006 ppm	96.2193 %	98.2223 %	86.8612 %	92.4561 %	96.3884 %	93.6995 %
Concentration per Run 1	0.0006 ppm	96.6954 %	98.1431 %	87.0049 %	92.6033 %	96.5920 %	94.3629 %
Concentration per Run 2	0.0008 ppm	95.7196 %	97.9313 %	87.1828 %	92.3775 %	96.0873 %	93.8497 %
Concentration per Run 3	0.0004 ppm	96.2430 %	98.5926 %	86.3960 %	92.3876 %	96.4860 %	92.8859 %
Concentration RSD	26.9 %	0.5 %	0.3 %	0.5 %	0.1 %	0.3 %	0.8 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: CCV
Analysis started at: 6/30/2025 10:57:58 AM
Rack: 0
Vial: 3
Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.4921 ppm	0.4696 ppm	0.4826 ppm	0.4682 ppm	0.4917 ppm	0.4995 ppm	0.4872 ppm
Concentration per Run 1	0.4873 ppm	0.4703 ppm	0.4844 ppm	0.4657 ppm	0.4877 ppm	0.4980 ppm	0.4899 ppm
Concentration per Run 2	0.4965 ppm	0.4692 ppm	0.4786 ppm	0.4700 ppm	0.4951 ppm	0.5016 ppm	0.4876 ppm
Concentration per Run 3	0.4926 ppm	0.4692 ppm	0.4847 ppm	0.4688 ppm	0.4924 ppm	0.4989 ppm	0.4842 ppm
Recovery Percentage 1	98.429 %	93.919 %	96.511 %	93.635 %	98.346 %	99.898 %	97.444 %
Concentration RSD	0.9 %	0.1 %	0.7 %	0.5 %	0.8 %	0.4 %	0.6 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.4698 ppm	0.4786 ppm	0.4810 ppm	0.4944 ppm	0.4970 ppm	5.0356 ppm	0.5027 ppm
Concentration per Run 1	0.4639 ppm	0.4731 ppm	0.4771 ppm	0.4903 ppm	0.4971 ppm	5.0310 ppm	0.4969 ppm
Concentration per Run 2	0.4745 ppm	0.4840 ppm	0.4857 ppm	0.4966 ppm	0.4993 ppm	5.0279 ppm	0.5043 ppm
Concentration per Run 3	0.4709 ppm	0.4788 ppm	0.4804 ppm	0.4962 ppm	0.4945 ppm	5.0481 ppm	0.5071 ppm
Recovery Percentage 1	93.952 %	95.723 %	96.209 %	98.880 %	99.392 %	100.713 %	100.550 %
Concentration RSD	1.1 %	1.1 %	0.9 %	0.7 %	0.5 %	0.2 %	1.1 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.4786 ppm	0.4924 ppm	0.4684 ppm	9.8594 ppm	0.4883 ppm	0.5109 ppm	0.4892 ppm
Concentration per Run 1	0.4766 ppm	0.4927 ppm	0.4640 ppm	9.8474 ppm	0.4836 ppm	0.5047 ppm	0.4871 ppm
Concentration per Run 2	0.4805 ppm	0.4942 ppm	0.4707 ppm	9.8563 ppm	0.4937 ppm	0.5123 ppm	0.4910 ppm
Concentration per Run 3	0.4788 ppm	0.4903 ppm	0.4705 ppm	9.8745 ppm	0.4876 ppm	0.5157 ppm	0.4896 ppm
Recovery Percentage 1	95.724 %	98.480 %	93.673 %	98.594 %	97.658 %	102.175 %	97.845 %
Concentration RSD	0.4 %	0.4 %	0.8 %	0.1 %	1.0 %	1.1 %	0.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.4839 ppm	5.0685 ppm	0.4781 ppm	0.4920 ppm	0.4761 ppm	0.5133 ppm	0.4875 ppm
Concentration per Run 1	0.4857 ppm	5.0223 ppm	0.4756 ppm	0.4881 ppm	0.4728 ppm	0.5116 ppm	0.4842 ppm
Concentration per Run 2	0.4808 ppm	5.0996 ppm	0.4795 ppm	0.4937 ppm	0.4806 ppm	0.5134 ppm	0.4909 ppm
Concentration per Run 3	0.4851 ppm	5.0838 ppm	0.4791 ppm	0.4942 ppm	0.4749 ppm	0.5148 ppm	0.4873 ppm
Recovery Percentage 1	96.781 %	96.544 %	95.615 %	98.394 %	95.222 %	102.652 %	97.495 %
Concentration RSD	0.6 %	0.8 %	0.4 %	0.7 %	0.9 %	0.3 %	0.7 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4796 ppm	101.1085 %	101.2735 %	97.9233 %	97.8871 %	99.7228 %	99.1436 %
Concentration per Run 1	0.4773 ppm	100.6997 %	101.1890 %	99.1492 %	97.0977 %	98.8799 %	99.5241 %
Concentration per Run 2	0.4821 ppm	101.0232 %	100.9430 %	97.3701 %	97.7363 %	100.1392 %	98.8719 %
Concentration per Run 3	0.4794 ppm	101.6026 %	101.6884 %	97.2505 %	98.8273 %	100.1493 %	99.0348 %
Recovery Percentage 1	95.917 %						
Concentration RSD	0.5 %	0.5 %	0.4 %	1.1 %	0.9 %	0.7 %	0.3 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: CCB
 Analysis started at: 6/30/2025 11:01:11 AM
 Rack: 0
 Vial: 4
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0001 ppm	-0.0057 ppm	0.0004 ppm	0.0008 ppm	0.0001 ppm	0.0000 ppm	0.0012 ppm
Concentration per Run 1	0.0000 ppm	-0.0043 ppm	0.0008 ppm	0.0008 ppm	0.0002 ppm	0.0000 ppm	0.0027 ppm
Concentration per Run 2	0.0000 ppm	-0.0087 ppm	0.0005 ppm	0.0012 ppm	0.0000 ppm	0.0000 ppm	0.0005 ppm
Concentration per Run 3	0.0002 ppm	-0.0041 ppm	-0.0003 ppm	0.0005 ppm	0.0000 ppm	0.0000 ppm	0.0004 ppm
Recovery Percentage 1	0.974 %	-5.684 %	7.287 %	2.803 %	0.679 %	0.447 %	1.207 %
Concentration RSD	145.4 %	45.4 %	154.1 %	42.2 %	111.4 %	106.5 %	108.7 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0000 ppm	0.0001 ppm	0.0003 ppm	0.0001 ppm	-0.0001 ppm	0.0049 ppm	0.0001 ppm
Concentration per Run 1	0.0000 ppm	-0.0001 ppm	0.0003 ppm	0.0000 ppm	-0.0008 ppm	0.0004 ppm	-0.0001 ppm
Concentration per Run 2	-0.0001 ppm	0.0002 ppm	0.0002 ppm	0.0001 ppm	-0.0002 ppm	0.0099 ppm	0.0002 ppm
Concentration per Run 3	0.0000 ppm	0.0002 ppm	0.0004 ppm	0.0002 ppm	0.0006 ppm	0.0046 ppm	0.0001 ppm
Recovery Percentage 1	-0.368 %	0.448 %	2.757 %	1.074 %	-0.268 %	0.198 %	1.286 %
Concentration RSD	267.7 %	172.7 %	46.4 %	85.6 %	495.1 %	96.6 %	263.0 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0016 ppm	0.0001 ppm	0.0020 ppm	0.0181 ppm	0.0000 ppm	-0.0005 ppm	-0.0009 ppm
Concentration per Run 1	0.0014 ppm	0.0002 ppm	0.0022 ppm	0.0201 ppm	0.0000 ppm	-0.0005 ppm	-0.0010 ppm
Concentration per Run 2	0.0010 ppm	0.0000 ppm	0.0021 ppm	0.0163 ppm	0.0003 ppm	-0.0005 ppm	-0.0019 ppm
Concentration per Run 3	0.0024 ppm	0.0002 ppm	0.0017 ppm	0.0180 ppm	-0.0003 ppm	-0.0005 ppm	0.0002 ppm
Recovery Percentage 1	1.572 %	1.451 %	4.007 %	0.906 %	0.018 %	-4.753 %	-1.747 %
Concentration RSD	45.7 %	80.2 %	15.0 %	10.6 %	6,064.6 %	4.3 %	118.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0008 ppm	-0.0034 ppm	0.0005 ppm	0.0000 ppm	0.0002 ppm	0.0001 ppm	0.0001 ppm
Concentration per Run 1	0.0015 ppm	-0.0031 ppm	0.0002 ppm	0.0000 ppm	0.0003 ppm	0.0006 ppm	0.0001 ppm
Concentration per Run 2	-0.0005 ppm	-0.0040 ppm	0.0006 ppm	0.0000 ppm	0.0002 ppm	-0.0007 ppm	0.0002 ppm
Concentration per Run 3	0.0014 ppm	-0.0031 ppm	0.0008 ppm	0.0000 ppm	0.0003 ppm	0.0004 ppm	0.0001 ppm
Recovery Percentage 1	8.065 %	-0.678 %	1.063 %	-0.177 %	2.413 %	0.681 %	1.455 %
Concentration RSD	138.8 %	15.9 %	55.4 %	103.8 %	21.1 %	512.0 %	56.7 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0004 ppm	101.1710 %	100.3312 %	100.1057 %	100.2823 %	100.2744 %	101.5787 %
Concentration per Run 1	-0.0003 ppm	100.8391 %	100.8915 %	99.1933 %	100.4869 %	101.4367 %	101.7623 %
Concentration per Run 2	-0.0005 ppm	101.4653 %	100.1000 %	100.1947 %	100.4882 %	99.9033 %	101.1800 %
Concentration per Run 3	-0.0004 ppm	101.2085 %	100.0022 %	100.9291 %	99.8719 %	99.4830 %	101.7938 %
Recovery Percentage 1	-7.950 %						
Concentration RSD	28.4 %	0.3 %	0.5 %	0.9 %	0.4 %	1.0 %	0.3 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: WG2082820-1 WG2082820
 Analysis started at: 6/30/2025 12:17:05 PM
 Rack: 1
 Vial: 36
 Comment: <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0000 ppm	0.0062 ppm	-0.0009 ppm	0.0009 ppm	0.0002 ppm	0.0000 ppm	0.0173 ppm
Concentration per Run 1	0.0000 ppm	0.0069 ppm	-0.0004 ppm	0.0009 ppm	0.0002 ppm	0.0000 ppm	0.0160 ppm
Concentration per Run 2	-0.0001 ppm	0.0076 ppm	-0.0006 ppm	0.0011 ppm	0.0001 ppm	0.0000 ppm	0.0177 ppm
Concentration per Run 3	0.0002 ppm	0.0039 ppm	-0.0018 ppm	0.0005 ppm	0.0002 ppm	0.0000 ppm	0.0184 ppm
Concentration RSD	504.5 %	31.6 %	75.1 %	32.9 %	26.7 %	143.0 %	7.2 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	-0.0001 ppm	-0.0005 ppm	0.0005 ppm	0.0002 ppm	0.0187 ppm	0.0099 ppm	0.0006 ppm
Concentration per Run 1	-0.0002 ppm	-0.0007 ppm	0.0007 ppm	0.0003 ppm	0.0186 ppm	0.0183 ppm	0.0007 ppm
Concentration per Run 2	0.0000 ppm	-0.0004 ppm	0.0004 ppm	0.0003 ppm	0.0191 ppm	-0.0003 ppm	0.0003 ppm
Concentration per Run 3	0.0000 ppm	-0.0005 ppm	0.0004 ppm	0.0001 ppm	0.0183 ppm	0.0118 ppm	0.0007 ppm
Concentration RSD	127.0 %	26.7 %	33.6 %	37.7 %	2.4 %	95.1 %	41.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	0.0058 ppm	0.0007 ppm	-0.0001 ppm	0.0092 ppm	0.0006 ppm	-0.0011 ppm	-0.0005 ppm
Concentration per Run 1	0.0054 ppm	0.0008 ppm	0.0000 ppm	0.0089 ppm	0.0005 ppm	-0.0014 ppm	-0.0022 ppm
Concentration per Run 2	0.0065 ppm	0.0007 ppm	-0.0002 ppm	0.0090 ppm	0.0009 ppm	-0.0011 ppm	0.0006 ppm
Concentration per Run 3	0.0054 ppm	0.0007 ppm	-0.0001 ppm	0.0096 ppm	0.0004 ppm	-0.0007 ppm	0.0001 ppm
Concentration RSD	11.1 %	6.4 %	124.4 %	4.1 %	38.2 %	32.2 %	291.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	0.0015 ppm	0.0073 ppm	0.0092 ppm	0.0000 ppm	0.0004 ppm	-0.0006 ppm	0.0001 ppm
Concentration per Run 1	0.0024 ppm	0.0059 ppm	0.0090 ppm	0.0000 ppm	0.0005 ppm	-0.0003 ppm	0.0001 ppm
Concentration per Run 2	0.0012 ppm	0.0077 ppm	0.0097 ppm	0.0000 ppm	0.0004 ppm	-0.0009 ppm	0.0000 ppm
Concentration per Run 3	0.0009 ppm	0.0082 ppm	0.0087 ppm	0.0000 ppm	0.0002 ppm	-0.0006 ppm	0.0001 ppm
Concentration RSD	49.6 %	16.6 %	5.5 %	563.5 %	33.7 %	48.2 %	132.0 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0015 ppm	101.2642 %	100.2029 %	98.0141 %	98.2192 %	98.7113 %	97.9696 %
Concentration per Run 1	0.0014 ppm	101.7529 %	99.9247 %	97.7506 %	98.5045 %	98.5254 %	98.0533 %
Concentration per Run 2	0.0016 ppm	101.5877 %	100.3005 %	97.7440 %	98.8399 %	99.0408 %	97.6078 %
Concentration per Run 3	0.0015 ppm	100.4520 %	100.3836 %	98.5477 %	97.3133 %	98.5678 %	98.2476 %
Concentration RSD	7.8 %	0.7 %	0.2 %	0.5 %	0.8 %	0.3 %	0.3 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: WG2082820-2D2 WG2082820
 Analysis started at: 6/30/2025 12:20:32 PM
 Rack: 1
 Vial: 37
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0563 ppm	2.3345 ppm	0.1245 ppm	0.9653 ppm	2.2825 ppm	0.0575 ppm	10.3221 ppm
Concentration per Run 1	0.0562 ppm	2.3393 ppm	0.1239 ppm	0.9618 ppm	2.2747 ppm	0.0573 ppm	10.3418 ppm
Concentration per Run 2	0.0564 ppm	2.3310 ppm	0.1248 ppm	0.9743 ppm	2.2863 ppm	0.0577 ppm	10.3269 ppm
Concentration per Run 3	0.0564 ppm	2.3332 ppm	0.1248 ppm	0.9599 ppm	2.2865 ppm	0.0575 ppm	10.2977 ppm
Concentration RSD	0.2 %	0.2 %	0.4 %	0.8 %	0.3 %	0.3 %	0.2 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0499 ppm	0.5353 ppm	0.2168 ppm	0.2831 ppm	1.1519 ppm	10.8851 ppm	0.0010 ppm
Concentration per Run 1	0.0494 ppm	0.5294 ppm	0.2161 ppm	0.2820 ppm	1.1461 ppm	10.8775 ppm	0.0010 ppm
Concentration per Run 2	0.0505 ppm	0.5407 ppm	0.2173 ppm	0.2859 ppm	1.1544 ppm	10.7583 ppm	0.0015 ppm
Concentration per Run 3	0.0500 ppm	0.5360 ppm	0.2170 ppm	0.2814 ppm	1.1553 ppm	11.0195 ppm	0.0006 ppm
Concentration RSD	1.1 %	1.1 %	0.3 %	0.9 %	0.4 %	1.2 %	39.6 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	9.9337 ppm	0.5614 ppm	0.9873 ppm	11.0407 ppm	0.5469 ppm	0.5716 ppm	0.5146 ppm
Concentration per Run 1	9.8988 ppm	0.5631 ppm	0.9777 ppm	11.1252 ppm	0.5450 ppm	0.5705 ppm	0.5102 ppm
Concentration per Run 2	9.9447 ppm	0.5613 ppm	0.9960 ppm	10.8934 ppm	0.5502 ppm	0.5726 ppm	0.5203 ppm
Concentration per Run 3	9.9577 ppm	0.5599 ppm	0.9881 ppm	11.1037 ppm	0.5454 ppm	0.5718 ppm	0.5132 ppm
Concentration RSD	0.3 %	0.3 %	0.9 %	1.2 %	0.5 %	0.2 %	1.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.1237 ppm	0.7176 ppm	1.0022 ppm	1.0084 ppm	1.0077 ppm	0.1293 ppm	0.5666 ppm
Concentration per Run 1	0.1236 ppm	0.7104 ppm	0.9922 ppm	1.0054 ppm	1.0066 ppm	0.1298 ppm	0.5650 ppm
Concentration per Run 2	0.1243 ppm	0.7264 ppm	1.0128 ppm	1.0118 ppm	1.0096 ppm	0.1286 ppm	0.5686 ppm
Concentration per Run 3	0.1232 ppm	0.7161 ppm	1.0017 ppm	1.0080 ppm	1.0069 ppm	0.1296 ppm	0.5662 ppm
Concentration RSD	0.5 %	1.1 %	1.0 %	0.3 %	0.2 %	0.5 %	0.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5383 ppm	98.1713 %	99.2480 %	90.9879 %	94.4615 %	97.6581 %	94.4711 %
Concentration per Run 1	0.5339 ppm	98.9554 %	99.5158 %	91.2350 %	94.9605 %	97.7787 %	94.4940 %
Concentration per Run 2	0.5440 ppm	97.2357 %	98.9564 %	90.9434 %	94.0684 %	97.5200 %	94.3883 %
Concentration per Run 3	0.5369 ppm	98.3229 %	99.2720 %	90.7853 %	94.3555 %	97.6757 %	94.5311 %
Concentration RSD	1.0 %	0.9 %	0.3 %	0.3 %	0.5 %	0.1 %	0.1 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: L2535894-02D2 WG2082820
 Analysis started at: 6/30/2025 12:23:44 PM
 Rack: 1
 Vial: 43
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0015 ppm	333.1187 ppm	0.0332 ppm	0.1135 ppm	3.5701 ppm	0.0120 ppm	31.4357 ppm
Concentration per Run 1	0.0014 ppm	331.3439 ppm	0.0362 ppm	0.1130 ppm	3.5735 ppm	0.0120 ppm	31.3633 ppm
Concentration per Run 2	0.0017 ppm	335.0071 ppm	0.0313 ppm	0.1161 ppm	3.5846 ppm	0.0120 ppm	31.5705 ppm
Concentration per Run 3	0.0014 ppm	333.0053 ppm	0.0322 ppm	0.1113 ppm	3.5521 ppm	0.0119 ppm	31.3733 ppm
Concentration RSD	11.0 %	0.6 %	7.8 %	2.2 %	0.5 %	0.2 %	0.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0049 ppm	0.1212 ppm	0.4236 ppm	0.3820 ppm	283.0305 ppm	83.1165 ppm	0.4698 ppm
Concentration per Run 1	0.0049 ppm	0.1211 ppm	0.4251 ppm	0.3824 ppm	282.4084 ppm	82.8299 ppm	0.4708 ppm
Concentration per Run 2	0.0049 ppm	0.1216 ppm	0.4266 ppm	0.3837 ppm	283.6222 ppm	83.7697 ppm	0.4702 ppm
Concentration per Run 3	0.0048 ppm	0.1208 ppm	0.4190 ppm	0.3798 ppm	283.0608 ppm	82.7499 ppm	0.4682 ppm
Concentration RSD	1.3 %	0.3 %	1.0 %	0.5 %	0.2 %	0.7 %	0.3 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	76.6170 ppm	4.8794 ppm	0.0041 ppm	43.0180 ppm	0.2631 ppm	0.1606 ppm	-0.0093 ppm
Concentration per Run 1	76.8161 ppm	4.8600 ppm	0.0044 ppm	42.7104 ppm	0.2657 ppm	0.1585 ppm	-0.0086 ppm
Concentration per Run 2	76.6064 ppm	4.8922 ppm	0.0041 ppm	43.4023 ppm	0.2641 ppm	0.1624 ppm	-0.0124 ppm
Concentration per Run 3	76.4283 ppm	4.8860 ppm	0.0039 ppm	42.9412 ppm	0.2594 ppm	0.1609 ppm	-0.0070 ppm
Concentration RSD	0.3 %	0.3 %	6.0 %	0.8 %	1.3 %	1.2 %	29.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0007 ppm	2.4197 ppm	0.0251 ppm	0.6333 ppm	7.9163 ppm	0.0026 ppm	0.3994 ppm
Concentration per Run 1	0.0022 ppm	2.4224 ppm	0.0258 ppm	0.6361 ppm	7.9171 ppm	0.0037 ppm	0.4003 ppm
Concentration per Run 2	0.0007 ppm	2.4310 ppm	0.0240 ppm	0.6345 ppm	7.9407 ppm	0.0023 ppm	0.4003 ppm
Concentration per Run 3	-0.0007 ppm	2.4058 ppm	0.0254 ppm	0.6293 ppm	7.8910 ppm	0.0017 ppm	0.3975 ppm
Concentration RSD	193.2 %	0.5 %	3.6 %	0.6 %	0.3 %	41.4 %	0.4 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5987 ppm	90.8208 %	104.5900 %	88.6374 %	100.1863 %	115.4461 %	109.1724 %
Concentration per Run 1	0.6032 ppm	91.0956 %	105.2584 %	89.2844 %	100.8496 %	115.4243 %	109.8808 %
Concentration per Run 2	0.6017 ppm	90.3058 %	104.3283 %	87.8305 %	99.6522 %	115.7857 %	108.8436 %
Concentration per Run 3	0.5912 ppm	91.0610 %	104.1834 %	88.7973 %	100.0572 %	115.1284 %	108.7927 %
Concentration RSD	1.1 %	0.5 %	0.6 %	0.8 %	0.6 %	0.3 %	0.6 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: L2535895-04D2 WG2082820
 Analysis started at: 6/30/2025 12:26:56 PM
 Rack: 1
 Vial: 44
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0015 ppm	505.4575 ppm	0.0224 ppm	0.1427 ppm	6.3130 ppm	0.0129 ppm	17.4021 ppm
Concentration per Run 1	0.0012 ppm	506.0197 ppm	0.0203 ppm	0.1423 ppm	6.3245 ppm	0.0129 ppm	17.4229 ppm
Concentration per Run 2	0.0019 ppm	503.9911 ppm	0.0227 ppm	0.1454 ppm	6.3133 ppm	0.0129 ppm	17.3219 ppm
Concentration per Run 3	0.0014 ppm	506.3616 ppm	0.0241 ppm	0.1404 ppm	6.3011 ppm	0.0129 ppm	17.4615 ppm
Concentration RSD	23.9 %	0.3 %	8.6 %	1.7 %	0.2 %	0.1 %	0.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0059 ppm	0.1281 ppm	0.5453 ppm	0.3903 ppm	370.0771 ppm	129.8986 ppm	0.5938 ppm
Concentration per Run 1	0.0060 ppm	0.1261 ppm	0.5426 ppm	0.3886 ppm	371.0961 ppm	129.0713 ppm	0.5928 ppm
Concentration per Run 2	0.0061 ppm	0.1314 ppm	0.5506 ppm	0.3921 ppm	369.3533 ppm	130.6620 ppm	0.5929 ppm
Concentration per Run 3	0.0056 ppm	0.1270 ppm	0.5427 ppm	0.3901 ppm	369.7819 ppm	129.9626 ppm	0.5955 ppm
Concentration RSD	4.2 %	2.2 %	0.8 %	0.5 %	0.2 %	0.6 %	0.3 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	93.2046 ppm	3.3397 ppm	-0.0012 ppm	34.7474 ppm	0.2470 ppm	0.3474 ppm	-0.0169 ppm
Concentration per Run 1	92.9802 ppm	3.3510 ppm	-0.0010 ppm	34.5893 ppm	0.2462 ppm	0.3429 ppm	-0.0179 ppm
Concentration per Run 2	94.0857 ppm	3.3293 ppm	-0.0011 ppm	34.6147 ppm	0.2509 ppm	0.3486 ppm	-0.0165 ppm
Concentration per Run 3	92.5479 ppm	3.3389 ppm	-0.0015 ppm	35.0383 ppm	0.2439 ppm	0.3507 ppm	-0.0163 ppm
Concentration RSD	0.9 %	0.3 %	20.7 %	0.7 %	1.4 %	1.2 %	5.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0008 ppm	2.7937 ppm	0.0298 ppm	0.9072 ppm	10.2015 ppm	0.0017 ppm	0.4263 ppm
Concentration per Run 1	0.0020 ppm	2.7590 ppm	0.0291 ppm	0.9075 ppm	10.1677 ppm	0.0022 ppm	0.4261 ppm
Concentration per Run 2	0.0022 ppm	2.8459 ppm	0.0310 ppm	0.9098 ppm	10.2827 ppm	0.0005 ppm	0.4277 ppm
Concentration per Run 3	-0.0018 ppm	2.7762 ppm	0.0294 ppm	0.9044 ppm	10.1540 ppm	0.0023 ppm	0.4252 ppm
Concentration RSD	278.8 %	1.6 %	3.6 %	0.3 %	0.7 %	61.7 %	0.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.6590 ppm	89.6191 %	104.4203 %	85.2489 %	90.2431 %	105.9434 %	99.5969 %
Concentration per Run 1	0.6550 ppm	90.3010 %	103.8082 %	85.7701 %	90.7610 %	105.5235 %	99.4402 %
Concentration per Run 2	0.6687 ppm	88.5663 %	105.0856 %	84.5827 %	89.2976 %	105.9954 %	99.2598 %
Concentration per Run 3	0.6532 ppm	89.9901 %	104.3672 %	85.3940 %	90.6708 %	106.3111 %	100.0908 %
Concentration RSD	1.3 %	1.0 %	0.6 %	0.7 %	0.9 %	0.4 %	0.4 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: L2536165-01D2 WG2082820
 Analysis started at: 6/30/2025 12:30:08 PM
 Rack: 1
 Vial: 45
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0000 ppm	23.2663 ppm	0.0133 ppm	0.0079 ppm	0.1184 ppm	0.0011 ppm	10.3171 ppm
Concentration per Run 1	0.0000 ppm	23.4439 ppm	0.0135 ppm	0.0097 ppm	0.1194 ppm	0.0011 ppm	10.3629 ppm
Concentration per Run 2	0.0000 ppm	23.0999 ppm	0.0132 ppm	0.0066 ppm	0.1179 ppm	0.0011 ppm	10.3009 ppm
Concentration per Run 3	0.0002 ppm	23.2552 ppm	0.0132 ppm	0.0075 ppm	0.1180 ppm	0.0011 ppm	10.2874 ppm
Concentration RSD	252.5 %	0.7 %	1.2 %	20.2 %	0.7 %	3.3 %	0.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0016 ppm	0.0023 ppm	0.0402 ppm	0.0374 ppm	28.6991 ppm	1.3228 ppm	0.0164 ppm
Concentration per Run 1	0.0015 ppm	0.0023 ppm	0.0411 ppm	0.0378 ppm	28.7034 ppm	1.3431 ppm	0.0169 ppm
Concentration per Run 2	0.0017 ppm	0.0024 ppm	0.0398 ppm	0.0374 ppm	28.7832 ppm	1.2985 ppm	0.0161 ppm
Concentration per Run 3	0.0015 ppm	0.0023 ppm	0.0396 ppm	0.0370 ppm	28.6107 ppm	1.3268 ppm	0.0163 ppm
Concentration RSD	6.6 %	3.4 %	1.9 %	1.1 %	0.3 %	1.7 %	2.7 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	1.9447 ppm	0.1276 ppm	0.0026 ppm	2.3490 ppm	0.0127 ppm	0.1838 ppm	-0.0008 ppm
Concentration per Run 1	1.9664 ppm	0.1282 ppm	0.0027 ppm	2.3681 ppm	0.0124 ppm	0.1830 ppm	-0.0005 ppm
Concentration per Run 2	1.9478 ppm	0.1277 ppm	0.0025 ppm	2.3149 ppm	0.0130 ppm	0.1851 ppm	-0.0009 ppm
Concentration per Run 3	1.9199 ppm	0.1270 ppm	0.0025 ppm	2.3640 ppm	0.0126 ppm	0.1834 ppm	-0.0009 ppm
Concentration RSD	1.2 %	0.5 %	4.6 %	1.3 %	2.3 %	0.6 %	29.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0029 ppm	2.1913 ppm	0.0152 ppm	0.0889 ppm	0.4084 ppm	0.0000 ppm	0.0514 ppm
Concentration per Run 1	0.0027 ppm	2.2159 ppm	0.0158 ppm	0.0896 ppm	0.4148 ppm	0.0004 ppm	0.0519 ppm
Concentration per Run 2	0.0016 ppm	2.2009 ppm	0.0145 ppm	0.0883 ppm	0.4061 ppm	-0.0006 ppm	0.0514 ppm
Concentration per Run 3	0.0043 ppm	2.1570 ppm	0.0153 ppm	0.0887 ppm	0.4044 ppm	0.0002 ppm	0.0509 ppm
Concentration RSD	45.8 %	1.4 %	4.4 %	0.8 %	1.4 %	2,160.7 %	1.0 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.1112 ppm	97.8041 %	99.7503 %	91.7965 %	98.2185 %	101.4349 %	98.5171 %
Concentration per Run 1	0.1134 ppm	97.6528 %	99.3884 %	91.6266 %	98.2872 %	101.2809 %	98.3303 %
Concentration per Run 2	0.1114 ppm	97.5431 %	100.1216 %	91.6660 %	98.1236 %	101.5724 %	98.4737 %
Concentration per Run 3	0.1089 ppm	98.2165 %	99.7410 %	92.0967 %	98.2446 %	101.4514 %	98.7473 %
Concentration RSD	2.0 %	0.4 %	0.4 %	0.3 %	0.1 %	0.1 %	0.2 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: L2535894-01D2 WG2082820
 Analysis started at: 6/30/2025 12:33:21 PM
 Rack: 1
 Vial: 38
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0014 ppm	289.7392 ppm	0.0653 ppm	0.0978 ppm	2.8118 ppm	0.0111 ppm	36.9850 ppm
Concentration per Run 1	0.0016 ppm	290.6256 ppm	0.0661 ppm	0.0989 ppm	2.8276 ppm	0.0113 ppm	36.9202 ppm
Concentration per Run 2	0.0018 ppm	290.0776 ppm	0.0639 ppm	0.0995 ppm	2.8001 ppm	0.0110 ppm	36.9862 ppm
Concentration per Run 3	0.0007 ppm	288.5143 ppm	0.0658 ppm	0.0950 ppm	2.8078 ppm	0.0110 ppm	37.0487 ppm
Concentration RSD	42.5 %	0.4 %	1.8 %	2.5 %	0.5 %	1.1 %	0.2 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0048 ppm	0.1362 ppm	0.4739 ppm	0.3692 ppm	291.0206 ppm	66.0801 ppm	0.4454 ppm
Concentration per Run 1	0.0046 ppm	0.1370 ppm	0.4781 ppm	0.3705 ppm	292.4798 ppm	66.1838 ppm	0.4489 ppm
Concentration per Run 2	0.0056 ppm	0.1382 ppm	0.4778 ppm	0.3716 ppm	289.8994 ppm	65.6123 ppm	0.4388 ppm
Concentration per Run 3	0.0042 ppm	0.1335 ppm	0.4657 ppm	0.3656 ppm	290.6826 ppm	66.4443 ppm	0.4486 ppm
Concentration RSD	14.6 %	1.8 %	1.5 %	0.9 %	0.5 %	0.6 %	1.3 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	75.8958 ppm	5.1231 ppm	0.0034 ppm	21.2460 ppm	0.2954 ppm	0.2909 ppm	-0.0099 ppm
Concentration per Run 1	76.3803 ppm	5.1191 ppm	0.0034 ppm	21.4156 ppm	0.2987 ppm	0.2927 ppm	-0.0105 ppm
Concentration per Run 2	76.4273 ppm	5.1142 ppm	0.0032 ppm	21.2160 ppm	0.2995 ppm	0.2907 ppm	-0.0093 ppm
Concentration per Run 3	74.8798 ppm	5.1361 ppm	0.0038 ppm	21.1063 ppm	0.2880 ppm	0.2893 ppm	-0.0100 ppm
Concentration RSD	1.2 %	0.2 %	8.5 %	0.7 %	2.2 %	0.6 %	6.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0001 ppm	2.0489 ppm	0.0259 ppm	0.4855 ppm	7.7858 ppm	0.0029 ppm	0.4889 ppm
Concentration per Run 1	0.0005 ppm	2.0620 ppm	0.0249 ppm	0.4888 ppm	7.8233 ppm	0.0044 ppm	0.4906 ppm
Concentration per Run 2	0.0025 ppm	2.0808 ppm	0.0271 ppm	0.4836 ppm	7.8325 ppm	0.0008 ppm	0.4901 ppm
Concentration per Run 3	-0.0033 ppm	2.0039 ppm	0.0258 ppm	0.4842 ppm	7.7016 ppm	0.0035 ppm	0.4859 ppm
Concentration RSD	2,773.6 %	2.0 %	4.2 %	0.6 %	0.9 %	63.6 %	0.5 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.6179 ppm	91.3008 %	103.2982 %	87.3603 %	104.0409 %	118.1005 %	111.4518 %
Concentration per Run 1	0.6247 ppm	91.2364 %	103.3149 %	87.3169 %	104.0204 %	117.7646 %	111.5905 %
Concentration per Run 2	0.6270 ppm	89.6280 %	104.3570 %	87.2576 %	102.4216 %	119.5283 %	111.0439 %
Concentration per Run 3	0.6020 ppm	93.0380 %	102.2228 %	87.5063 %	105.6808 %	117.0085 %	111.7212 %
Concentration RSD	2.2 %	1.9 %	1.0 %	0.1 %	1.6 %	1.1 %	0.3 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: WG2082820-3D2 WG2082820
 Analysis started at: 6/30/2025 12:36:32 PM
 Rack: 1
 Vial: 39
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0568 ppm	235.6812 ppm	0.1407 ppm	0.9576 ppm	3.9509 ppm	0.0606 ppm	40.9436 ppm
Concentration per Run 1	0.0575 ppm	236.2997 ppm	0.1429 ppm	0.9643 ppm	3.9725 ppm	0.0610 ppm	41.1491 ppm
Concentration per Run 2	0.0566 ppm	234.3396 ppm	0.1399 ppm	0.9591 ppm	3.9246 ppm	0.0604 ppm	40.7972 ppm
Concentration per Run 3	0.0562 ppm	236.4042 ppm	0.1393 ppm	0.9494 ppm	3.9556 ppm	0.0606 ppm	40.8846 ppm
Concentration RSD	1.2 %	0.5 %	1.4 %	0.8 %	0.6 %	0.5 %	0.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0547 ppm	0.6155 ppm	0.6491 ppm	0.5961 ppm	262.9436 ppm	62.4132 ppm	0.3424 ppm
Concentration per Run 1	0.0557 ppm	0.6224 ppm	0.6527 ppm	0.6005 ppm	264.0165 ppm	62.1934 ppm	0.3438 ppm
Concentration per Run 2	0.0543 ppm	0.6125 ppm	0.6500 ppm	0.5949 ppm	262.2298 ppm	62.0572 ppm	0.3376 ppm
Concentration per Run 3	0.0543 ppm	0.6114 ppm	0.6446 ppm	0.5928 ppm	262.5845 ppm	62.9891 ppm	0.3458 ppm
Concentration RSD	1.5 %	1.0 %	0.6 %	0.7 %	0.4 %	0.8 %	1.3 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	71.1112 ppm	4.5957 ppm	0.8406 ppm	26.5920 ppm	0.7896 ppm	0.7417 ppm	0.1416 ppm
Concentration per Run 1	71.6163 ppm	4.6181 ppm	0.8480 ppm	26.5278 ppm	0.7911 ppm	0.7545 ppm	0.1487 ppm
Concentration per Run 2	71.0257 ppm	4.5840 ppm	0.8380 ppm	26.4373 ppm	0.7898 ppm	0.7395 ppm	0.1385 ppm
Concentration per Run 3	70.6914 ppm	4.5850 ppm	0.8358 ppm	26.8109 ppm	0.7879 ppm	0.7309 ppm	0.1375 ppm
Concentration RSD	0.7 %	0.4 %	0.8 %	0.7 %	0.2 %	1.6 %	4.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0654 ppm	4.8698 ppm	0.7746 ppm	1.2750 ppm	7.4034 ppm	0.1073 ppm	0.9616 ppm
Concentration per Run 1	0.0668 ppm	4.9254 ppm	0.7814 ppm	1.2804 ppm	7.4601 ppm	0.1084 ppm	0.9684 ppm
Concentration per Run 2	0.0629 ppm	4.8534 ppm	0.7693 ppm	1.2679 ppm	7.4319 ppm	0.1081 ppm	0.9584 ppm
Concentration per Run 3	0.0666 ppm	4.8306 ppm	0.7732 ppm	1.2768 ppm	7.3183 ppm	0.1053 ppm	0.9579 ppm
Concentration RSD	3.3 %	1.0 %	0.8 %	0.5 %	1.0 %	1.6 %	0.6 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	1.0837 ppm	90.7679 %	101.3010 %	87.1803 %	105.2746 %	117.4219 %	111.6459 %
Concentration per Run 1	1.0881 ppm	90.0525 %	101.4917 %	86.2177 %	105.0141 %	117.8983 %	111.7534 %
Concentration per Run 2	1.0796 ppm	91.0378 %	101.4777 %	87.3295 %	104.9428 %	116.9388 %	111.7515 %
Concentration per Run 3	1.0833 ppm	91.2135 %	100.9337 %	87.9937 %	105.8670 %	117.4284 %	111.4328 %
Concentration RSD	0.4 %	0.7 %	0.3 %	1.0 %	0.5 %	0.4 %	0.2 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: WG2082820-4D2 WG2082820
 Analysis started at: 6/30/2025 12:39:44 PM
 Rack: 1
 Vial: 40
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0008 ppm	221.1115 ppm	0.0618 ppm	0.0939 ppm	1.7239 ppm	0.0093 ppm	29.3368 ppm
Concentration per Run 1	0.0010 ppm	223.1922 ppm	0.0599 ppm	0.0911 ppm	1.7400 ppm	0.0095 ppm	29.1446 ppm
Concentration per Run 2	0.0009 ppm	219.6021 ppm	0.0633 ppm	0.0938 ppm	1.7176 ppm	0.0094 ppm	29.0238 ppm
Concentration per Run 3	0.0006 ppm	220.5402 ppm	0.0622 ppm	0.0969 ppm	1.7140 ppm	0.0090 ppm	29.8421 ppm
Concentration RSD	20.8 %	0.8 %	2.8 %	3.1 %	0.8 %	2.7 %	1.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0044 ppm	0.1051 ppm	0.3997 ppm	0.2817 ppm	250.5108 ppm	54.5784 ppm	0.3385 ppm
Concentration per Run 1	0.0045 ppm	0.1054 ppm	0.4015 ppm	0.2818 ppm	249.0668 ppm	55.0394 ppm	0.3428 ppm
Concentration per Run 2	0.0042 ppm	0.1047 ppm	0.4000 ppm	0.2820 ppm	249.0905 ppm	53.9076 ppm	0.3352 ppm
Concentration per Run 3	0.0044 ppm	0.1053 ppm	0.3976 ppm	0.2814 ppm	253.3749 ppm	54.7881 ppm	0.3376 ppm
Concentration RSD	3.2 %	0.3 %	0.5 %	0.1 %	1.0 %	1.1 %	1.1 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	57.9667 ppm	3.5644 ppm	0.0051 ppm	26.9156 ppm	0.2374 ppm	0.2451 ppm	-0.0104 ppm
Concentration per Run 1	58.1867 ppm	3.5547 ppm	0.0052 ppm	27.3770 ppm	0.2392 ppm	0.2466 ppm	-0.0100 ppm
Concentration per Run 2	57.7849 ppm	3.5388 ppm	0.0050 ppm	26.5480 ppm	0.2373 ppm	0.2455 ppm	-0.0081 ppm
Concentration per Run 3	57.9287 ppm	3.5997 ppm	0.0050 ppm	26.8218 ppm	0.2357 ppm	0.2434 ppm	-0.0129 ppm
Concentration RSD	0.4 %	0.9 %	1.9 %	1.6 %	0.7 %	0.7 %	23.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0001 ppm	2.1284 ppm	0.0269 ppm	0.3858 ppm	6.0357 ppm	0.0029 ppm	0.4012 ppm
Concentration per Run 1	0.0000 ppm	2.1401 ppm	0.0273 ppm	0.3881 ppm	6.0493 ppm	0.0032 ppm	0.4020 ppm
Concentration per Run 2	0.0005 ppm	2.1183 ppm	0.0276 ppm	0.3873 ppm	6.0331 ppm	0.0020 ppm	0.4005 ppm
Concentration per Run 3	-0.0009 ppm	2.1268 ppm	0.0258 ppm	0.3821 ppm	6.0246 ppm	0.0034 ppm	0.4010 ppm
Concentration RSD	491.3 %	0.5 %	3.6 %	0.8 %	0.2 %	27.7 %	0.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5536 ppm	90.9102 %	104.1102 %	88.6956 %	104.1531 %	119.0053 %	111.4469 %
Concentration per Run 1	0.5584 ppm	90.6908 %	104.8513 %	88.1012 %	104.1260 %	119.8496 %	111.1302 %
Concentration per Run 2	0.5497 ppm	91.3709 %	105.6158 %	89.2930 %	104.6296 %	119.8585 %	112.3144 %
Concentration per Run 3	0.5526 ppm	90.6689 %	101.8634 %	88.6926 %	103.7038 %	117.3077 %	110.8960 %
Concentration RSD	0.8 %	0.4 %	1.9 %	0.7 %	0.4 %	1.2 %	0.7 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: WG2082820-5D2 WG2082820
 Analysis started at: 6/30/2025 12:42:55 PM
 Rack: 1
 Vial: 41
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0532 ppm	281.3247 ppm	0.1522 ppm	0.9545 ppm	4.6219 ppm	0.0592 ppm	44.9766 ppm
Concentration per Run 1	0.0527 ppm	280.9099 ppm	0.1538 ppm	0.9460 ppm	4.5789 ppm	0.0591 ppm	45.1080 ppm
Concentration per Run 2	0.0534 ppm	280.8732 ppm	0.1514 ppm	0.9563 ppm	4.6363 ppm	0.0591 ppm	44.8756 ppm
Concentration per Run 3	0.0535 ppm	282.1909 ppm	0.1514 ppm	0.9613 ppm	4.6505 ppm	0.0593 ppm	44.9461 ppm
Concentration RSD	0.8 %	0.3 %	0.9 %	0.8 %	0.8 %	0.2 %	0.3 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0506 ppm	0.5929 ppm	0.6415 ppm	0.6055 ppm	282.6424 ppm	72.5897 ppm	0.4264 ppm
Concentration per Run 1	0.0500 ppm	0.5866 ppm	0.6368 ppm	0.6015 ppm	283.4968 ppm	72.0162 ppm	0.4276 ppm
Concentration per Run 2	0.0502 ppm	0.5917 ppm	0.6418 ppm	0.6050 ppm	281.8283 ppm	72.5379 ppm	0.4232 ppm
Concentration per Run 3	0.0517 ppm	0.6005 ppm	0.6458 ppm	0.6099 ppm	282.6021 ppm	73.2151 ppm	0.4283 ppm
Concentration RSD	1.8 %	1.2 %	0.7 %	0.7 %	0.3 %	0.8 %	0.6 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	80.3665 ppm	5.3967 ppm	0.8879 ppm	30.0293 ppm	0.7419 ppm	0.7325 ppm	0.4356 ppm
Concentration per Run 1	79.8572 ppm	5.4006 ppm	0.8795 ppm	30.0456 ppm	0.7366 ppm	0.7333 ppm	0.4327 ppm
Concentration per Run 2	80.2060 ppm	5.3811 ppm	0.8867 ppm	29.9862 ppm	0.7414 ppm	0.7307 ppm	0.4357 ppm
Concentration per Run 3	81.0364 ppm	5.4083 ppm	0.8975 ppm	30.0561 ppm	0.7479 ppm	0.7334 ppm	0.4384 ppm
Concentration RSD	0.8 %	0.3 %	1.0 %	0.1 %	0.8 %	0.2 %	0.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0894 ppm	3.6048 ppm	0.8704 ppm	1.3172 ppm	8.4357 ppm	0.1019 ppm	0.9537 ppm
Concentration per Run 1	0.0878 ppm	3.5624 ppm	0.8662 ppm	1.3016 ppm	8.3846 ppm	0.1014 ppm	0.9487 ppm
Concentration per Run 2	0.0899 ppm	3.6082 ppm	0.8693 ppm	1.3232 ppm	8.4368 ppm	0.1023 ppm	0.9551 ppm
Concentration per Run 3	0.0903 ppm	3.6438 ppm	0.8755 ppm	1.3270 ppm	8.4858 ppm	0.1020 ppm	0.9573 ppm
Concentration RSD	1.5 %	1.1 %	0.5 %	1.0 %	0.6 %	0.5 %	0.5 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	1.0663 ppm	90.8116 %	102.9309 %	86.3786 %	103.3224 %	117.5520 %	110.7793 %
Concentration per Run 1	1.0598 ppm	91.1746 %	102.2936 %	86.2577 %	103.3878 %	116.5846 %	110.7061 %
Concentration per Run 2	1.0646 ppm	91.2882 %	103.6117 %	86.5571 %	103.5739 %	118.5802 %	111.0132 %
Concentration per Run 3	1.0745 ppm	89.9720 %	102.8873 %	86.3210 %	103.0055 %	117.4912 %	110.6187 %
Concentration RSD	0.7 %	0.8 %	0.6 %	0.2 %	0.3 %	0.8 %	0.2 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: WG2082820-6D10 WG2082820
 Analysis started at: 6/30/2025 12:46:07 PM
 Rack: 1
 Vial: 42
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0004 ppm	56.5305 ppm	0.0147 ppm	0.0217 ppm	0.5462 ppm	0.0022 ppm	7.3721 ppm
Concentration per Run 1	0.0001 ppm	58.9622 ppm	0.0143 ppm	0.0216 ppm	0.5685 ppm	0.0022 ppm	7.6394 ppm
Concentration per Run 2	0.0003 ppm	58.2835 ppm	0.0159 ppm	0.0218 ppm	0.5598 ppm	0.0022 ppm	7.6282 ppm
Concentration per Run 3	0.0007 ppm	52.3459 ppm	0.0139 ppm	0.0216 ppm	0.5101 ppm	0.0021 ppm	6.8488 ppm
Concentration RSD	83.1 %	6.4 %	7.4 %	0.6 %	5.8 %	4.4 %	6.1 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0010 ppm	0.0280 ppm	0.0938 ppm	0.0729 ppm	63.2368 ppm	13.2979 ppm	0.0868 ppm
Concentration per Run 1	0.0010 ppm	0.0276 ppm	0.0940 ppm	0.0724 ppm	65.6266 ppm	13.9145 ppm	0.0912 ppm
Concentration per Run 2	0.0010 ppm	0.0278 ppm	0.0934 ppm	0.0728 ppm	65.1459 ppm	13.6820 ppm	0.0898 ppm
Concentration per Run 3	0.0011 ppm	0.0285 ppm	0.0940 ppm	0.0734 ppm	58.9380 ppm	12.2974 ppm	0.0794 ppm
Concentration RSD	1.1 %	1.8 %	0.3 %	0.7 %	5.9 %	6.6 %	7.4 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	15.5710 ppm	1.0218 ppm	0.0030 ppm	4.2876 ppm	0.0617 ppm	0.0568 ppm	-0.0023 ppm
Concentration per Run 1	15.5242 ppm	1.0640 ppm	0.0031 ppm	4.5390 ppm	0.0620 ppm	0.0577 ppm	-0.0030 ppm
Concentration per Run 2	15.5392 ppm	1.0586 ppm	0.0032 ppm	4.3863 ppm	0.0612 ppm	0.0570 ppm	-0.0025 ppm
Concentration per Run 3	15.6497 ppm	0.9430 ppm	0.0026 ppm	3.9374 ppm	0.0619 ppm	0.0557 ppm	-0.0015 ppm
Concentration RSD	0.4 %	6.7 %	11.6 %	7.3 %	0.7 %	1.9 %	31.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0012 ppm	0.4134 ppm	0.0060 ppm	0.0934 ppm	1.5404 ppm	0.0005 ppm	0.0946 ppm
Concentration per Run 1	0.0029 ppm	0.4108 ppm	0.0070 ppm	0.0969 ppm	1.5409 ppm	-0.0004 ppm	0.0950 ppm
Concentration per Run 2	0.0003 ppm	0.4112 ppm	0.0053 ppm	0.0958 ppm	1.5347 ppm	0.0005 ppm	0.0944 ppm
Concentration per Run 3	0.0004 ppm	0.4182 ppm	0.0055 ppm	0.0875 ppm	1.5456 ppm	0.0012 ppm	0.0943 ppm
Concentration RSD	120.8 %	1.0 %	15.4 %	5.5 %	0.4 %	168.2 %	0.4 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.1247 ppm	90.9360 %	101.4466 %	95.8212 %	92.9688 %	103.1369 %	98.1443 %
Concentration per Run 1	0.1250 ppm	91.4876 %	98.2368 %	95.2001 %	93.1455 %	100.8384 %	98.1469 %
Concentration per Run 2	0.1241 ppm	91.3965 %	97.3712 %	96.2309 %	93.7757 %	99.7696 %	98.4844 %
Concentration per Run 3	0.1249 ppm	89.9238 %	108.7318 %	96.0326 %	91.9851 %	108.8027 %	97.8017 %
Concentration RSD	0.4 %	1.0 %	6.2 %	0.6 %	1.0 %	4.8 %	0.3 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: CCV
Analysis started at: 6/30/2025 12:49:18 PM
Rack: 0
Vial: 3
Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.5026 ppm	0.4856 ppm	0.4935 ppm	0.4719 ppm	0.5039 ppm	0.5033 ppm	0.4915 ppm
Concentration per Run 1	0.5080 ppm	0.4867 ppm	0.4893 ppm	0.4779 ppm	0.5057 ppm	0.5028 ppm	0.4891 ppm
Concentration per Run 2	0.5001 ppm	0.4871 ppm	0.4967 ppm	0.4677 ppm	0.5027 ppm	0.5051 ppm	0.4961 ppm
Concentration per Run 3	0.4998 ppm	0.4832 ppm	0.4946 ppm	0.4700 ppm	0.5032 ppm	0.5021 ppm	0.4893 ppm
Recovery Percentage 1	100.526 %	97.128 %	98.702 %	94.382 %	100.776 %	100.663 %	98.305 %
Concentration RSD	0.9 %	0.4 %	0.8 %	1.1 %	0.3 %	0.3 %	0.8 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.4728 ppm	0.4862 ppm	0.4852 ppm	0.5041 ppm	0.5083 ppm	5.3517 ppm	0.5338 ppm
Concentration per Run 1	0.4801 ppm	0.4934 ppm	0.4902 ppm	0.5070 ppm	0.5083 ppm	5.3778 ppm	0.5344 ppm
Concentration per Run 2	0.4676 ppm	0.4813 ppm	0.4818 ppm	0.5023 ppm	0.5089 ppm	5.3115 ppm	0.5303 ppm
Concentration per Run 3	0.4709 ppm	0.4838 ppm	0.4836 ppm	0.5029 ppm	0.5079 ppm	5.3659 ppm	0.5366 ppm
Recovery Percentage 1	94.568 %	97.236 %	97.032 %	100.815 %	101.667 %	107.035 %	106.752 %
Concentration RSD	1.4 %	1.3 %	0.9 %	0.5 %	0.1 %	0.7 %	0.6 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.4863 ppm	0.5001 ppm	0.4713 ppm	10.2994 ppm	0.4934 ppm	0.5138 ppm	0.5027 ppm
Concentration per Run 1	0.4899 ppm	0.4972 ppm	0.4776 ppm	10.2947 ppm	0.4993 ppm	0.5149 ppm	0.5109 ppm
Concentration per Run 2	0.4857 ppm	0.5037 ppm	0.4654 ppm	10.1156 ppm	0.4882 ppm	0.5189 ppm	0.4980 ppm
Concentration per Run 3	0.4834 ppm	0.4993 ppm	0.4709 ppm	10.4880 ppm	0.4925 ppm	0.5077 ppm	0.4992 ppm
Recovery Percentage 1	97.262 %	100.017 %	94.256 %	102.994 %	98.675 %	102.766 %	100.543 %
Concentration RSD	0.7 %	0.7 %	1.3 %	1.8 %	1.1 %	1.1 %	1.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.4992 ppm	5.1925 ppm	0.4814 ppm	0.4978 ppm	0.4845 ppm	0.5232 ppm	0.4927 ppm
Concentration per Run 1	0.4991 ppm	5.2557 ppm	0.4861 ppm	0.4996 ppm	0.4895 ppm	0.5238 ppm	0.4977 ppm
Concentration per Run 2	0.4990 ppm	5.1507 ppm	0.4754 ppm	0.4971 ppm	0.4824 ppm	0.5292 ppm	0.4899 ppm
Concentration per Run 3	0.4996 ppm	5.1711 ppm	0.4827 ppm	0.4966 ppm	0.4817 ppm	0.5167 ppm	0.4906 ppm
Recovery Percentage 1	99.848 %	98.905 %	96.278 %	99.558 %	96.908 %	104.642 %	98.550 %
Concentration RSD	0.1 %	1.1 %	1.1 %	0.3 %	0.9 %	1.2 %	0.9 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4822 ppm	100.0924 %	100.2132 %	96.1545 %	96.8744 %	98.8127 %	96.9051 %
Concentration per Run 1	0.4882 ppm	99.6820 %	100.2245 %	96.3461 %	96.8154 %	98.8779 %	97.4242 %
Concentration per Run 2	0.4775 ppm	100.6362 %	99.3745 %	95.6142 %	97.3886 %	98.1882 %	96.8824 %
Concentration per Run 3	0.4810 ppm	99.9589 %	101.0407 %	96.5031 %	96.4190 %	99.3720 %	96.4087 %
Recovery Percentage 1	96.447 %						
Concentration RSD	1.1 %	0.5 %	0.8 %	0.5 %	0.5 %	0.6 %	0.5 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: CCB
 Analysis started at: 6/30/2025 12:52:31 PM
 Rack: 0
 Vial: 4
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0001 ppm	-0.0020 ppm	-0.0004 ppm	0.0006 ppm	0.0001 ppm	0.0000 ppm	0.0017 ppm
Concentration per Run 1	0.0001 ppm	-0.0062 ppm	-0.0005 ppm	-0.0001 ppm	0.0001 ppm	0.0000 ppm	0.0031 ppm
Concentration per Run 2	0.0002 ppm	-0.0023 ppm	-0.0005 ppm	0.0007 ppm	0.0001 ppm	0.0000 ppm	0.0022 ppm
Concentration per Run 3	-0.0001 ppm	0.0024 ppm	-0.0004 ppm	0.0011 ppm	0.0001 ppm	0.0000 ppm	-0.0002 ppm
Recovery Percentage 1	0.777 %	-2.040 %	-8.782 %	1.926 %	0.834 %	0.611 %	1.725 %
Concentration RSD	296.3 %	211.1 %	12.0 %	107.1 %	31.0 %	33.3 %	98.9 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0001 ppm	-0.0001 ppm	0.0003 ppm	0.0002 ppm	0.0021 ppm	0.0083 ppm	0.0005 ppm
Concentration per Run 1	0.0000 ppm	-0.0003 ppm	0.0000 ppm	0.0000 ppm	0.0021 ppm	0.0083 ppm	0.0003 ppm
Concentration per Run 2	-0.0001 ppm	0.0002 ppm	0.0006 ppm	0.0001 ppm	0.0019 ppm	0.0097 ppm	0.0007 ppm
Concentration per Run 3	0.0000 ppm	-0.0001 ppm	0.0002 ppm	0.0003 ppm	0.0023 ppm	0.0068 ppm	0.0006 ppm
Recovery Percentage 1	-1.067 %	-0.305 %	2.519 %	1.999 %	4.152 %	0.331 %	10.819 %
Concentration RSD	108.2 %	382.2 %	111.3 %	52.4 %	10.3 %	17.7 %	38.6 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0020 ppm	0.0001 ppm	0.0020 ppm	-0.0009 ppm	0.0000 ppm	-0.0006 ppm	-0.0013 ppm
Concentration per Run 1	0.0027 ppm	0.0002 ppm	0.0024 ppm	-0.0039 ppm	-0.0007 ppm	0.0000 ppm	-0.0023 ppm
Concentration per Run 2	0.0029 ppm	0.0000 ppm	0.0020 ppm	0.0020 ppm	0.0008 ppm	-0.0006 ppm	-0.0018 ppm
Concentration per Run 3	0.0005 ppm	0.0001 ppm	0.0016 ppm	-0.0009 ppm	0.0000 ppm	-0.0011 ppm	0.0000 ppm
Recovery Percentage 1	2.033 %	1.086 %	3.961 %	-0.047 %	0.093 %	-5.711 %	-2.673 %
Concentration RSD	65.4 %	97.3 %	22.1 %	315.0 %	3,297.4 %	96.0 %	88.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0013 ppm	-0.0033 ppm	0.0006 ppm	0.0000 ppm	0.0004 ppm	0.0003 ppm	0.0000 ppm
Concentration per Run 1	0.0011 ppm	-0.0038 ppm	0.0010 ppm	0.0000 ppm	0.0005 ppm	0.0003 ppm	-0.0001 ppm
Concentration per Run 2	0.0011 ppm	-0.0045 ppm	0.0006 ppm	0.0000 ppm	0.0003 ppm	0.0005 ppm	0.0001 ppm
Concentration per Run 3	0.0018 ppm	-0.0015 ppm	0.0003 ppm	0.0000 ppm	0.0002 ppm	0.0000 ppm	0.0000 ppm
Recovery Percentage 1	13.217 %	-0.654 %	1.191 %	0.063 %	3.558 %	1.436 %	-0.329 %
Concentration RSD	30.2 %	47.2 %	59.7 %	299.3 %	46.4 %	95.5 %	323.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0004 ppm	99.4985 %	99.3049 %	99.6003 %	98.5241 %	99.2484 %	99.8746 %
Concentration per Run 1	-0.0004 ppm	99.7595 %	98.9953 %	99.4905 %	98.8097 %	99.5284 %	99.8932 %
Concentration per Run 2	-0.0005 ppm	100.1643 %	99.8605 %	100.0787 %	99.0865 %	99.2908 %	100.1230 %
Concentration per Run 3	-0.0004 ppm	98.5718 %	99.0590 %	99.2316 %	97.6761 %	98.9259 %	99.6077 %
Recovery Percentage 1	-8.519 %						
Concentration RSD	15.7 %	0.8 %	0.5 %	0.4 %	0.8 %	0.3 %	0.3 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: L2536176-01D2 WG2082820
 Analysis started at: 6/30/2025 12:56:08 PM
 Rack: 1
 Vial: 46
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0010 ppm	90.9612 ppm	0.0297 ppm	0.0033 ppm	0.3851 ppm	0.0033 ppm	2.6206 ppm
Concentration per Run 1	-0.0008 ppm	90.1154 ppm	0.0291 ppm	0.0033 ppm	0.3847 ppm	0.0032 ppm	2.6040 ppm
Concentration per Run 2	-0.0011 ppm	91.5562 ppm	0.0296 ppm	0.0041 ppm	0.3855 ppm	0.0033 ppm	2.6270 ppm
Concentration per Run 3	-0.0011 ppm	91.2120 ppm	0.0306 ppm	0.0025 ppm	0.3850 ppm	0.0033 ppm	2.6309 ppm
Concentration RSD	20.0 %	0.8 %	2.6 %	23.5 %	0.1 %	0.5 %	0.6 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0015 ppm	0.0288 ppm	0.1085 ppm	0.0777 ppm	112.5795 ppm	3.0345 ppm	0.0642 ppm
Concentration per Run 1	0.0016 ppm	0.0286 ppm	0.1087 ppm	0.0783 ppm	112.7762 ppm	3.0137 ppm	0.0643 ppm
Concentration per Run 2	0.0016 ppm	0.0288 ppm	0.1085 ppm	0.0770 ppm	112.5173 ppm	3.0657 ppm	0.0647 ppm
Concentration per Run 3	0.0015 ppm	0.0291 ppm	0.1084 ppm	0.0777 ppm	112.4451 ppm	3.0242 ppm	0.0636 ppm
Concentration RSD	5.4 %	1.0 %	0.1 %	0.8 %	0.2 %	0.9 %	0.8 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	12.8558 ppm	0.7215 ppm	0.0043 ppm	0.1520 ppm	0.0716 ppm	0.0961 ppm	-0.0020 ppm
Concentration per Run 1	12.8373 ppm	0.7195 ppm	0.0046 ppm	0.1461 ppm	0.0720 ppm	0.0960 ppm	-0.0037 ppm
Concentration per Run 2	12.8453 ppm	0.7235 ppm	0.0041 ppm	0.1563 ppm	0.0713 ppm	0.0954 ppm	-0.0005 ppm
Concentration per Run 3	12.8847 ppm	0.7214 ppm	0.0043 ppm	0.1535 ppm	0.0716 ppm	0.0969 ppm	-0.0019 ppm
Concentration RSD	0.2 %	0.3 %	5.2 %	3.5 %	0.5 %	0.8 %	80.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0029 ppm	2.2774 ppm	0.0087 ppm	0.0260 ppm	1.3040 ppm	0.0002 ppm	0.1766 ppm
Concentration per Run 1	0.0033 ppm	2.2809 ppm	0.0090 ppm	0.0260 ppm	1.3040 ppm	0.0005 ppm	0.1769 ppm
Concentration per Run 2	0.0025 ppm	2.2699 ppm	0.0088 ppm	0.0261 ppm	1.3022 ppm	-0.0002 ppm	0.1757 ppm
Concentration per Run 3	0.0028 ppm	2.2812 ppm	0.0083 ppm	0.0259 ppm	1.3059 ppm	0.0001 ppm	0.1773 ppm
Concentration RSD	13.9 %	0.3 %	3.7 %	0.5 %	0.1 %	231.6 %	0.5 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5726 ppm	101.8086 %	102.5030 %	91.0842 %	108.7082 %	112.1282 %	110.6096 %
Concentration per Run 1	0.5693 ppm	100.8565 %	102.8511 %	90.9663 %	107.7539 %	111.8174 %	110.5735 %
Concentration per Run 2	0.5736 ppm	102.2658 %	102.1653 %	91.4336 %	108.9818 %	112.0354 %	110.9076 %
Concentration per Run 3	0.5749 ppm	102.3036 %	102.4927 %	90.8527 %	109.3890 %	112.5318 %	110.3476 %
Concentration RSD	0.5 %	0.8 %	0.3 %	0.3 %	0.8 %	0.3 %	0.3 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: L2536176-02D2 WG2082820
 Analysis started at: 6/30/2025 12:59:21 PM
 Rack: 1
 Vial: 47
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0001 ppm	26.0209 ppm	0.0129 ppm	0.0044 ppm	0.1473 ppm	0.0008 ppm	2.6674 ppm
Concentration per Run 1	-0.0002 ppm	26.0292 ppm	0.0132 ppm	0.0043 ppm	0.1478 ppm	0.0008 ppm	2.6808 ppm
Concentration per Run 2	-0.0001 ppm	26.1698 ppm	0.0122 ppm	0.0042 ppm	0.1473 ppm	0.0008 ppm	2.6472 ppm
Concentration per Run 3	0.0000 ppm	25.8637 ppm	0.0133 ppm	0.0047 ppm	0.1468 ppm	0.0008 ppm	2.6741 ppm
Concentration RSD	93.3 %	0.6 %	5.1 %	6.5 %	0.3 %	3.1 %	0.7 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0005 ppm	0.0088 ppm	0.0497 ppm	0.0846 ppm	21.2699 ppm	1.1077 ppm	0.0116 ppm
Concentration per Run 1	0.0005 ppm	0.0088 ppm	0.0498 ppm	0.0845 ppm	21.4168 ppm	1.1105 ppm	0.0116 ppm
Concentration per Run 2	0.0006 ppm	0.0089 ppm	0.0498 ppm	0.0842 ppm	21.1315 ppm	1.1193 ppm	0.0116 ppm
Concentration per Run 3	0.0005 ppm	0.0088 ppm	0.0495 ppm	0.0851 ppm	21.2615 ppm	1.0934 ppm	0.0118 ppm
Concentration RSD	7.1 %	0.8 %	0.4 %	0.5 %	0.7 %	1.2 %	1.1 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	14.9323 ppm	0.1855 ppm	0.0015 ppm	0.1604 ppm	0.1481 ppm	0.0847 ppm	-0.0013 ppm
Concentration per Run 1	14.9941 ppm	0.1860 ppm	0.0016 ppm	0.1599 ppm	0.1471 ppm	0.0854 ppm	-0.0004 ppm
Concentration per Run 2	14.9379 ppm	0.1848 ppm	0.0013 ppm	0.1635 ppm	0.1493 ppm	0.0847 ppm	-0.0016 ppm
Concentration per Run 3	14.8649 ppm	0.1857 ppm	0.0015 ppm	0.1578 ppm	0.1478 ppm	0.0840 ppm	-0.0018 ppm
Concentration RSD	0.4 %	0.3 %	9.7 %	1.8 %	0.8 %	0.9 %	60.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0027 ppm	1.6353 ppm	0.0063 ppm	0.0197 ppm	0.3745 ppm	-0.0005 ppm	0.0414 ppm
Concentration per Run 1	0.0036 ppm	1.6312 ppm	0.0059 ppm	0.0198 ppm	0.3757 ppm	-0.0007 ppm	0.0412 ppm
Concentration per Run 2	0.0019 ppm	1.6345 ppm	0.0064 ppm	0.0197 ppm	0.3738 ppm	-0.0003 ppm	0.0414 ppm
Concentration per Run 3	0.0027 ppm	1.6401 ppm	0.0065 ppm	0.0196 ppm	0.3741 ppm	-0.0006 ppm	0.0415 ppm
Concentration RSD	31.8 %	0.3 %	5.3 %	0.5 %	0.3 %	39.3 %	0.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.2043 ppm	99.1867 %	100.1135 %	93.8029 %	98.9185 %	101.7089 %	99.9373 %
Concentration per Run 1	0.2045 ppm	99.0378 %	99.4209 %	94.0014 %	98.9527 %	101.0183 %	100.5158 %
Concentration per Run 2	0.2051 ppm	99.5326 %	101.1084 %	93.8470 %	99.3693 %	102.7748 %	99.9944 %
Concentration per Run 3	0.2032 ppm	98.9898 %	99.8111 %	93.5603 %	98.4334 %	101.3335 %	99.3018 %
Concentration RSD	0.5 %	0.3 %	0.9 %	0.2 %	0.5 %	0.9 %	0.6 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: L2536289-01D2 WG2082820
 Analysis started at: 6/30/2025 1:02:34 PM
 Rack: 1
 Vial: 48
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0005 ppm	31.8491 ppm	0.0112 ppm	0.1648 ppm	0.1962 ppm	0.0014 ppm	384.7030 ppm
Concentration per Run 1	-0.0004 ppm	31.8174 ppm	0.0099 ppm	0.1643 ppm	0.1952 ppm	0.0015 ppm	383.8000 ppm
Concentration per Run 2	-0.0006 ppm	31.9699 ppm	0.0130 ppm	0.1667 ppm	0.1963 ppm	0.0014 ppm	387.2021 ppm
Concentration per Run 3	-0.0005 ppm	31.7599 ppm	0.0106 ppm	0.1635 ppm	0.1971 ppm	0.0014 ppm	383.1070 ppm
Concentration RSD	18.9 %	0.3 %	14.7 %	1.0 %	0.5 %	0.9 %	0.6 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0016 ppm	0.0204 ppm	0.0511 ppm	0.1364 ppm	25.7046 ppm	6.6048 ppm	0.0188 ppm
Concentration per Run 1	-0.0017 ppm	0.0203 ppm	0.0509 ppm	0.1363 ppm	25.7054 ppm	6.6106 ppm	0.0191 ppm
Concentration per Run 2	-0.0016 ppm	0.0204 ppm	0.0512 ppm	0.1368 ppm	25.8236 ppm	6.5915 ppm	0.0187 ppm
Concentration per Run 3	-0.0016 ppm	0.0206 ppm	0.0512 ppm	0.1361 ppm	25.5847 ppm	6.6124 ppm	0.0185 ppm
Concentration RSD	4.7 %	0.6 %	0.4 %	0.3 %	0.5 %	0.2 %	1.6 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	22.6041 ppm	0.4485 ppm	0.0063 ppm	3.5686 ppm	0.0272 ppm	0.0132 ppm	-0.0035 ppm
Concentration per Run 1	22.4965 ppm	0.4491 ppm	0.0065 ppm	3.5626 ppm	0.0273 ppm	0.0140 ppm	-0.0029 ppm
Concentration per Run 2	22.7300 ppm	0.4507 ppm	0.0063 ppm	3.5638 ppm	0.0274 ppm	0.0122 ppm	-0.0015 ppm
Concentration per Run 3	22.5857 ppm	0.4459 ppm	0.0061 ppm	3.5793 ppm	0.0271 ppm	0.0134 ppm	-0.0060 ppm
Concentration RSD	0.5 %	0.5 %	3.9 %	0.3 %	0.6 %	6.9 %	65.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0024 ppm	14.9306 ppm	0.0070 ppm	2.0559 ppm	1.1255 ppm	0.0000 ppm	0.0330 ppm
Concentration per Run 1	0.0029 ppm	14.8677 ppm	0.0070 ppm	2.0514 ppm	1.1228 ppm	-0.0001 ppm	0.0329 ppm
Concentration per Run 2	0.0036 ppm	14.9692 ppm	0.0075 ppm	2.0650 ppm	1.1295 ppm	0.0002 ppm	0.0332 ppm
Concentration per Run 3	0.0006 ppm	14.9550 ppm	0.0065 ppm	2.0512 ppm	1.1243 ppm	-0.0001 ppm	0.0330 ppm
Concentration RSD	65.6 %	0.4 %	6.7 %	0.4 %	0.3 %	821.0 %	0.4 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0575 ppm	91.0933 %	96.2909 %	78.2846 %	91.8068 %	99.4490 %	93.0589 %
Concentration per Run 1	0.0575 ppm	90.9504 %	96.5746 %	77.7692 %	91.5838 %	99.2031 %	92.9857 %
Concentration per Run 2	0.0582 ppm	90.5059 %	95.9349 %	78.0133 %	91.2200 %	99.8315 %	93.2931 %
Concentration per Run 3	0.0569 ppm	91.8235 %	96.3631 %	79.0714 %	92.6167 %	99.3125 %	92.8977 %
Concentration RSD	1.2 %	0.7 %	0.3 %	0.9 %	0.8 %	0.3 %	0.2 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: L2536294-03D2 WG2082820
 Analysis started at: 6/30/2025 1:05:48 PM
 Rack: 1
 Vial: 49
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0014 ppm	102.3629 ppm	0.0572 ppm	0.0111 ppm	0.5678 ppm	0.0055 ppm	88.4735 ppm
Concentration per Run 1	-0.0020 ppm	103.1319 ppm	0.0570 ppm	0.0120 ppm	0.5709 ppm	0.0054 ppm	88.2047 ppm
Concentration per Run 2	-0.0008 ppm	101.9213 ppm	0.0567 ppm	0.0106 ppm	0.5642 ppm	0.0055 ppm	88.5356 ppm
Concentration per Run 3	-0.0015 ppm	102.0356 ppm	0.0579 ppm	0.0108 ppm	0.5682 ppm	0.0055 ppm	88.6802 ppm
Concentration RSD	41.9 %	0.7 %	1.1 %	6.9 %	0.6 %	0.2 %	0.3 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0037 ppm	0.0906 ppm	0.1381 ppm	0.2853 ppm	208.6490 ppm	8.2904 ppm	0.2000 ppm
Concentration per Run 1	0.0036 ppm	0.0893 ppm	0.1374 ppm	0.2840 ppm	208.5638 ppm	8.4621 ppm	0.2051 ppm
Concentration per Run 2	0.0038 ppm	0.0917 ppm	0.1391 ppm	0.2870 ppm	208.2543 ppm	8.2156 ppm	0.1983 ppm
Concentration per Run 3	0.0037 ppm	0.0907 ppm	0.1378 ppm	0.2847 ppm	209.1288 ppm	8.1935 ppm	0.1966 ppm
Concentration RSD	3.4 %	1.3 %	0.6 %	0.6 %	0.2 %	1.8 %	2.3 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	57.4541 ppm	5.4356 ppm	0.0145 ppm	0.4710 ppm	0.2665 ppm	0.2249 ppm	-0.0068 ppm
Concentration per Run 1	57.1414 ppm	5.4346 ppm	0.0141 ppm	0.4764 ppm	0.2647 ppm	0.2248 ppm	-0.0077 ppm
Concentration per Run 2	57.9641 ppm	5.4306 ppm	0.0147 ppm	0.4681 ppm	0.2670 ppm	0.2250 ppm	-0.0055 ppm
Concentration per Run 3	57.2569 ppm	5.4416 ppm	0.0146 ppm	0.4686 ppm	0.2678 ppm	0.2248 ppm	-0.0074 ppm
Concentration RSD	0.8 %	0.1 %	2.3 %	1.0 %	0.6 %	0.1 %	17.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0012 ppm	1.8165 ppm	0.0084 ppm	0.1246 ppm	0.3921 ppm	-0.0007 ppm	0.1732 ppm
Concentration per Run 1	0.0005 ppm	1.8078 ppm	0.0075 ppm	0.1257 ppm	0.3899 ppm	-0.0015 ppm	0.1734 ppm
Concentration per Run 2	0.0007 ppm	1.8320 ppm	0.0093 ppm	0.1239 ppm	0.3956 ppm	-0.0010 ppm	0.1737 ppm
Concentration per Run 3	0.0023 ppm	1.8097 ppm	0.0083 ppm	0.1243 ppm	0.3907 ppm	0.0003 ppm	0.1726 ppm
Concentration RSD	83.8 %	0.7 %	11.0 %	0.7 %	0.8 %	130.9 %	0.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.8198 ppm	98.5441 %	102.4758 %	83.6982 %	132.1395 %	140.5794 %	133.8448 %
Concentration per Run 1	0.8193 ppm	99.1941 %	103.0925 %	83.7162 %	132.9310 %	141.4557 %	133.3728 %
Concentration per Run 2	0.8234 ppm	98.0626 %	102.3110 %	83.2985 %	131.9879 %	140.1904 %	133.8356 %
Concentration per Run 3	0.8168 ppm	98.3756 %	102.0239 %	84.0800 %	131.4997 %	140.0922 %	134.3259 %
Concentration RSD	0.4 %	0.6 %	0.5 %	0.5 %	0.6 %	0.5 %	0.4 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: L2536294-04D2 WG2082820
 Analysis started at: 6/30/2025 1:09:00 PM
 Rack: 1
 Vial: 50
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0016 ppm	102.9550 ppm	0.0522 ppm	0.0176 ppm	0.5267 ppm	0.0053 ppm	145.6001 ppm
Concentration per Run 1	-0.0015 ppm	103.5672 ppm	0.0523 ppm	0.0187 ppm	0.5291 ppm	0.0053 ppm	146.6190 ppm
Concentration per Run 2	-0.0017 ppm	102.6496 ppm	0.0526 ppm	0.0164 ppm	0.5285 ppm	0.0053 ppm	145.1203 ppm
Concentration per Run 3	-0.0015 ppm	102.6483 ppm	0.0519 ppm	0.0177 ppm	0.5226 ppm	0.0053 ppm	145.0609 ppm
Concentration RSD	6.1 %	0.5 %	0.7 %	6.5 %	0.7 %	0.5 %	0.6 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0039 ppm	0.0984 ppm	0.1389 ppm	0.2657 ppm	207.1008 ppm	7.8331 ppm	0.2014 ppm
Concentration per Run 1	0.0039 ppm	0.0982 ppm	0.1392 ppm	0.2671 ppm	207.9895 ppm	7.8780 ppm	0.2027 ppm
Concentration per Run 2	0.0038 ppm	0.0991 ppm	0.1391 ppm	0.2647 ppm	206.1397 ppm	7.8393 ppm	0.2009 ppm
Concentration per Run 3	0.0039 ppm	0.0978 ppm	0.1383 ppm	0.2652 ppm	207.1732 ppm	7.7820 ppm	0.2005 ppm
Concentration RSD	1.5 %	0.7 %	0.3 %	0.5 %	0.4 %	0.6 %	0.6 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	46.8616 ppm	6.9217 ppm	0.0143 ppm	0.4489 ppm	0.2684 ppm	0.2064 ppm	-0.0035 ppm
Concentration per Run 1	47.0409 ppm	6.9784 ppm	0.0145 ppm	0.4528 ppm	0.2704 ppm	0.2065 ppm	-0.0012 ppm
Concentration per Run 2	46.9143 ppm	6.8752 ppm	0.0141 ppm	0.4464 ppm	0.2688 ppm	0.2067 ppm	-0.0042 ppm
Concentration per Run 3	46.6294 ppm	6.9116 ppm	0.0144 ppm	0.4475 ppm	0.2661 ppm	0.2061 ppm	-0.0050 ppm
Concentration RSD	0.4 %	0.8 %	1.7 %	0.8 %	0.8 %	0.2 %	58.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0009 ppm	6.5724 ppm	0.0083 ppm	0.2533 ppm	0.4277 ppm	-0.0012 ppm	0.1638 ppm
Concentration per Run 1	0.0000 ppm	6.6107 ppm	0.0076 ppm	0.2543 ppm	0.4292 ppm	-0.0008 ppm	0.1650 ppm
Concentration per Run 2	0.0013 ppm	6.5432 ppm	0.0093 ppm	0.2546 ppm	0.4277 ppm	-0.0024 ppm	0.1632 ppm
Concentration per Run 3	0.0012 ppm	6.5634 ppm	0.0080 ppm	0.2510 ppm	0.4261 ppm	-0.0002 ppm	0.1631 ppm
Concentration RSD	83.3 %	0.5 %	10.7 %	0.8 %	0.4 %	99.6 %	0.6 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.7209 ppm	96.8058 %	101.0229 %	82.0134 %	130.2640 %	139.0877 %	132.0095 %
Concentration per Run 1	0.7229 ppm	97.0032 %	100.7992 %	82.5413 %	131.0613 %	139.3831 %	131.7500 %
Concentration per Run 2	0.7244 ppm	96.2556 %	101.0498 %	81.9996 %	129.5167 %	139.0432 %	132.8859 %
Concentration per Run 3	0.7153 ppm	97.1587 %	101.2196 %	81.4992 %	130.2138 %	138.8368 %	131.3925 %
Concentration RSD	0.7 %	0.5 %	0.2 %	0.6 %	0.6 %	0.2 %	0.6 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: L2536294-05D2 WG2082820
 Analysis started at: 6/30/2025 1:12:11 PM
 Rack: 1
 Vial: 51
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0020 ppm	118.1733 ppm	0.0758 ppm	0.0213 ppm	0.4880 ppm	0.0057 ppm	241.1633 ppm
Concentration per Run 1	-0.0021 ppm	118.0776 ppm	0.0757 ppm	0.0215 ppm	0.4850 ppm	0.0057 ppm	241.5862 ppm
Concentration per Run 2	-0.0017 ppm	117.7666 ppm	0.0766 ppm	0.0222 ppm	0.4901 ppm	0.0057 ppm	241.3368 ppm
Concentration per Run 3	-0.0022 ppm	118.6759 ppm	0.0750 ppm	0.0203 ppm	0.4887 ppm	0.0058 ppm	240.5669 ppm
Concentration RSD	14.8 %	0.4 %	1.1 %	4.3 %	0.5 %	0.5 %	0.2 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0036 ppm	0.1059 ppm	0.1830 ppm	0.3231 ppm	259.4291 ppm	9.0078 ppm	0.2932 ppm
Concentration per Run 1	0.0036 ppm	0.1064 ppm	0.1834 ppm	0.3235 ppm	257.8440 ppm	8.9881 ppm	0.2928 ppm
Concentration per Run 2	0.0036 ppm	0.1061 ppm	0.1833 ppm	0.3244 ppm	261.3344 ppm	8.9806 ppm	0.2919 ppm
Concentration per Run 3	0.0036 ppm	0.1053 ppm	0.1823 ppm	0.3213 ppm	259.1088 ppm	9.0548 ppm	0.2948 ppm
Concentration RSD	1.2 %	0.5 %	0.3 %	0.5 %	0.7 %	0.5 %	0.5 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	86.9253 ppm	4.9681 ppm	0.0212 ppm	1.0424 ppm	0.3358 ppm	0.2392 ppm	-0.0074 ppm
Concentration per Run 1	86.9919 ppm	4.9643 ppm	0.0212 ppm	1.0427 ppm	0.3361 ppm	0.2402 ppm	-0.0067 ppm
Concentration per Run 2	86.8277 ppm	4.9794 ppm	0.0213 ppm	1.0304 ppm	0.3366 ppm	0.2400 ppm	-0.0084 ppm
Concentration per Run 3	86.9564 ppm	4.9605 ppm	0.0211 ppm	1.0539 ppm	0.3346 ppm	0.2374 ppm	-0.0071 ppm
Concentration RSD	0.1 %	0.2 %	0.4 %	1.1 %	0.3 %	0.6 %	11.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0006 ppm	7.4871 ppm	0.0083 ppm	0.3187 ppm	0.3428 ppm	0.0001 ppm	0.1878 ppm
Concentration per Run 1	0.0010 ppm	7.5748 ppm	0.0079 ppm	0.3177 ppm	0.3450 ppm	-0.0010 ppm	0.1880 ppm
Concentration per Run 2	0.0014 ppm	7.4932 ppm	0.0080 ppm	0.3202 ppm	0.3429 ppm	0.0016 ppm	0.1877 ppm
Concentration per Run 3	-0.0007 ppm	7.3934 ppm	0.0092 ppm	0.3183 ppm	0.3406 ppm	-0.0002 ppm	0.1877 ppm
Concentration RSD	194.0 %	1.2 %	8.6 %	0.4 %	0.6 %	1,122.3 %	0.1 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	1.5952 ppm	94.9654 %	100.3954 %	77.4058 %	123.5791 %	134.0176 %	124.3749 %
Concentration per Run 1	1.5968 ppm	94.6946 %	100.6490 %	76.9586 %	123.1122 %	134.2718 %	123.6741 %
Concentration per Run 2	1.5953 ppm	94.9040 %	100.4582 %	78.0201 %	123.6089 %	134.2670 %	125.5267 %
Concentration per Run 3	1.5936 ppm	95.2978 %	100.0791 %	77.2387 %	124.0161 %	133.5141 %	123.9239 %
Concentration RSD	0.1 %	0.3 %	0.3 %	0.7 %	0.4 %	0.3 %	0.8 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: L2536338-01D2 WG2082820
 Analysis started at: 6/30/2025 1:15:23 PM
 Rack: 1
 Vial: 52
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0010 ppm	63.5003 ppm	0.0324 ppm	0.0175 ppm	0.2704 ppm	0.0028 ppm	43.4044 ppm
Concentration per Run 1	-0.0011 ppm	63.6458 ppm	0.0318 ppm	0.0178 ppm	0.2718 ppm	0.0028 ppm	43.7750 ppm
Concentration per Run 2	-0.0009 ppm	63.3361 ppm	0.0323 ppm	0.0173 ppm	0.2705 ppm	0.0028 ppm	43.2819 ppm
Concentration per Run 3	-0.0008 ppm	63.5191 ppm	0.0332 ppm	0.0172 ppm	0.2689 ppm	0.0027 ppm	43.1563 ppm
Concentration RSD	15.9 %	0.2 %	2.3 %	1.8 %	0.5 %	1.0 %	0.8 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0033 ppm	0.0485 ppm	0.1919 ppm	0.3112 ppm	134.3683 ppm	5.8363 ppm	0.1063 ppm
Concentration per Run 1	0.0032 ppm	0.0484 ppm	0.1919 ppm	0.3105 ppm	135.1857 ppm	5.8247 ppm	0.1067 ppm
Concentration per Run 2	0.0033 ppm	0.0488 ppm	0.1931 ppm	0.3144 ppm	133.9887 ppm	5.8159 ppm	0.1056 ppm
Concentration per Run 3	0.0033 ppm	0.0484 ppm	0.1907 ppm	0.3088 ppm	133.9305 ppm	5.8683 ppm	0.1067 ppm
Concentration RSD	1.4 %	0.6 %	0.6 %	0.9 %	0.5 %	0.5 %	0.6 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	31.2861 ppm	2.2813 ppm	0.0079 ppm	23.2564 ppm	0.1032 ppm	0.6214 ppm	-0.0003 ppm
Concentration per Run 1	31.2592 ppm	2.2958 ppm	0.0080 ppm	22.9823 ppm	0.1047 ppm	0.6267 ppm	-0.0003 ppm
Concentration per Run 2	31.5085 ppm	2.2767 ppm	0.0081 ppm	23.2495 ppm	0.1031 ppm	0.6170 ppm	-0.0011 ppm
Concentration per Run 3	31.0908 ppm	2.2713 ppm	0.0076 ppm	23.5373 ppm	0.1019 ppm	0.6203 ppm	0.0005 ppm
Concentration RSD	0.7 %	0.6 %	3.6 %	1.2 %	1.4 %	0.8 %	274.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0014 ppm	4.7078 ppm	0.0260 ppm	0.1650 ppm	3.0972 ppm	-0.0009 ppm	0.3103 ppm
Concentration per Run 1	0.0015 ppm	4.6830 ppm	0.0256 ppm	0.1654 ppm	3.0931 ppm	-0.0005 ppm	0.3096 ppm
Concentration per Run 2	0.0015 ppm	4.7598 ppm	0.0263 ppm	0.1651 ppm	3.1286 ppm	-0.0015 ppm	0.3128 ppm
Concentration per Run 3	0.0012 ppm	4.6807 ppm	0.0260 ppm	0.1645 ppm	3.0698 ppm	-0.0007 ppm	0.3084 ppm
Concentration RSD	11.9 %	1.0 %	1.3 %	0.3 %	1.0 %	62.7 %	0.7 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	1.1648 ppm	97.2915 %	100.5985 %	85.1033 %	110.1326 %	115.4173 %	111.4399 %
Concentration per Run 1	1.1666 ppm	97.3781 %	99.8875 %	84.2808 %	109.7496 %	114.9054 %	110.9322 %
Concentration per Run 2	1.1731 ppm	96.8090 %	100.6502 %	85.7823 %	110.0107 %	115.0117 %	111.7376 %
Concentration per Run 3	1.1549 ppm	97.6873 %	101.2577 %	85.2468 %	110.6375 %	116.3349 %	111.6499 %
Concentration RSD	0.8 %	0.5 %	0.7 %	0.9 %	0.4 %	0.7 %	0.4 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: L2536338-02D2 WG2082820
 Analysis started at: 6/30/2025 1:18:35 PM
 Rack: 1
 Vial: 53
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0005 ppm	44.6622 ppm	0.0281 ppm	0.0125 ppm	0.2018 ppm	0.0019 ppm	49.2267 ppm
Concentration per Run 1	-0.0006 ppm	44.7142 ppm	0.0282 ppm	0.0119 ppm	0.2027 ppm	0.0019 ppm	49.5676 ppm
Concentration per Run 2	-0.0003 ppm	44.7245 ppm	0.0296 ppm	0.0134 ppm	0.2015 ppm	0.0019 ppm	49.4437 ppm
Concentration per Run 3	-0.0006 ppm	44.5479 ppm	0.0264 ppm	0.0121 ppm	0.2012 ppm	0.0019 ppm	48.6689 ppm
Concentration RSD	35.3 %	0.2 %	5.8 %	6.2 %	0.4 %	0.4 %	1.0 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0021 ppm	0.0371 ppm	0.1018 ppm	0.2162 ppm	84.8273 ppm	6.6550 ppm	0.0789 ppm
Concentration per Run 1	0.0020 ppm	0.0370 ppm	0.1010 ppm	0.2163 ppm	85.2705 ppm	6.5965 ppm	0.0788 ppm
Concentration per Run 2	0.0021 ppm	0.0368 ppm	0.1018 ppm	0.2155 ppm	84.9883 ppm	6.6570 ppm	0.0782 ppm
Concentration per Run 3	0.0020 ppm	0.0374 ppm	0.1025 ppm	0.2167 ppm	84.2230 ppm	6.7114 ppm	0.0797 ppm
Concentration RSD	3.4 %	0.8 %	0.8 %	0.3 %	0.6 %	0.9 %	1.0 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	28.5637 ppm	1.4917 ppm	0.0174 ppm	7.1633 ppm	0.0748 ppm	0.4210 ppm	-0.0006 ppm
Concentration per Run 1	28.4429 ppm	1.4977 ppm	0.0169 ppm	7.1624 ppm	0.0746 ppm	0.4235 ppm	-0.0014 ppm
Concentration per Run 2	28.6083 ppm	1.4966 ppm	0.0174 ppm	7.1223 ppm	0.0748 ppm	0.4207 ppm	-0.0030 ppm
Concentration per Run 3	28.6401 ppm	1.4808 ppm	0.0178 ppm	7.2054 ppm	0.0751 ppm	0.4189 ppm	0.0026 ppm
Concentration RSD	0.4 %	0.6 %	2.6 %	0.6 %	0.3 %	0.6 %	459.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0031 ppm	2.7792 ppm	0.0181 ppm	0.1004 ppm	1.9566 ppm	-0.0012 ppm	0.1318 ppm
Concentration per Run 1	0.0029 ppm	2.7617 ppm	0.0172 ppm	0.1005 ppm	1.9440 ppm	-0.0019 ppm	0.1320 ppm
Concentration per Run 2	0.0035 ppm	2.7776 ppm	0.0181 ppm	0.1008 ppm	1.9611 ppm	-0.0012 ppm	0.1319 ppm
Concentration per Run 3	0.0029 ppm	2.7984 ppm	0.0188 ppm	0.1001 ppm	1.9646 ppm	-0.0007 ppm	0.1315 ppm
Concentration RSD	11.7 %	0.7 %	4.5 %	0.4 %	0.6 %	44.9 %	0.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5809 ppm	96.9428 %	99.7743 %	85.5223 %	103.5456 %	109.0332 %	104.7523 %
Concentration per Run 1	0.5784 ppm	97.6798 %	99.6766 %	85.4937 %	103.9213 %	109.0655 %	104.9477 %
Concentration per Run 2	0.5814 ppm	96.6366 %	99.6093 %	84.9905 %	103.7634 %	109.0524 %	104.1092 %
Concentration per Run 3	0.5829 ppm	96.5119 %	100.0368 %	86.0827 %	102.9523 %	108.9816 %	105.2000 %
Concentration RSD	0.4 %	0.7 %	0.2 %	0.6 %	0.5 %	0.0 %	0.5 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: L2536338-03D2 WG2082820
 Analysis started at: 6/30/2025 1:21:47 PM
 Rack: 1
 Vial: 54
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0004 ppm	58.3035 ppm	0.0313 ppm	0.0160 ppm	0.3359 ppm	0.0019 ppm	29.9877 ppm
Concentration per Run 1	-0.0006 ppm	58.3318 ppm	0.0310 ppm	0.0152 ppm	0.3353 ppm	0.0019 ppm	30.1617 ppm
Concentration per Run 2	-0.0006 ppm	58.3280 ppm	0.0318 ppm	0.0158 ppm	0.3361 ppm	0.0019 ppm	29.9099 ppm
Concentration per Run 3	0.0000 ppm	58.2507 ppm	0.0311 ppm	0.0170 ppm	0.3363 ppm	0.0019 ppm	29.8916 ppm
Concentration RSD	88.7 %	0.1 %	1.4 %	5.7 %	0.2 %	1.2 %	0.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0030 ppm	0.0438 ppm	0.1531 ppm	0.3165 ppm	102.2111 ppm	8.4263 ppm	0.0871 ppm
Concentration per Run 1	0.0029 ppm	0.0430 ppm	0.1518 ppm	0.3163 ppm	102.5014 ppm	8.4384 ppm	0.0876 ppm
Concentration per Run 2	0.0031 ppm	0.0442 ppm	0.1545 ppm	0.3197 ppm	102.1948 ppm	8.4266 ppm	0.0872 ppm
Concentration per Run 3	0.0030 ppm	0.0441 ppm	0.1531 ppm	0.3136 ppm	101.9369 ppm	8.4138 ppm	0.0864 ppm
Concentration RSD	3.3 %	1.5 %	0.9 %	1.0 %	0.3 %	0.1 %	0.7 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	24.1106 ppm	1.7401 ppm	0.0110 ppm	14.2492 ppm	0.1013 ppm	0.5823 ppm	-0.0004 ppm
Concentration per Run 1	23.9135 ppm	1.7500 ppm	0.0109 ppm	14.2062 ppm	0.1009 ppm	0.5853 ppm	-0.0003 ppm
Concentration per Run 2	24.3027 ppm	1.7355 ppm	0.0110 ppm	14.3289 ppm	0.1020 ppm	0.5824 ppm	-0.0005 ppm
Concentration per Run 3	24.1157 ppm	1.7350 ppm	0.0111 ppm	14.2126 ppm	0.1009 ppm	0.5792 ppm	-0.0003 ppm
Concentration RSD	0.8 %	0.5 %	0.8 %	0.5 %	0.6 %	0.5 %	29.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0028 ppm	5.8711 ppm	0.0357 ppm	0.1222 ppm	3.1620 ppm	-0.0016 ppm	0.1746 ppm
Concentration per Run 1	0.0039 ppm	5.8282 ppm	0.0357 ppm	0.1222 ppm	3.1414 ppm	-0.0019 ppm	0.1742 ppm
Concentration per Run 2	0.0034 ppm	5.9353 ppm	0.0358 ppm	0.1219 ppm	3.1875 ppm	-0.0007 ppm	0.1755 ppm
Concentration per Run 3	0.0011 ppm	5.8498 ppm	0.0355 ppm	0.1224 ppm	3.1570 ppm	-0.0022 ppm	0.1743 ppm
Concentration RSD	53.4 %	1.0 %	0.4 %	0.2 %	0.7 %	48.2 %	0.4 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.7878 ppm	98.1056 %	100.7851 %	86.0974 %	105.7939 %	110.5138 %	106.6579 %
Concentration per Run 1	0.7781 ppm	99.0398 %	100.2231 %	86.0187 %	106.5056 %	110.3685 %	107.3261 %
Concentration per Run 2	0.7966 ppm	97.2341 %	100.8200 %	85.9762 %	105.7692 %	110.1169 %	106.0565 %
Concentration per Run 3	0.7888 ppm	98.0429 %	101.3123 %	86.2972 %	105.1067 %	111.0561 %	106.5911 %
Concentration RSD	1.2 %	0.9 %	0.5 %	0.2 %	0.7 %	0.4 %	0.6 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: L2537937-01D2 WG2082820
 Analysis started at: 6/30/2025 1:24:59 PM
 Rack: 1
 Vial: 55
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0006 ppm	66.2000 ppm	0.0711 ppm	0.0521 ppm	0.4474 ppm	0.0031 ppm	10.3467 ppm
Concentration per Run 1	-0.0002 ppm	66.0512 ppm	0.0722 ppm	0.0528 ppm	0.4499 ppm	0.0031 ppm	10.3718 ppm
Concentration per Run 2	-0.0011 ppm	66.1596 ppm	0.0706 ppm	0.0517 ppm	0.4471 ppm	0.0030 ppm	10.2997 ppm
Concentration per Run 3	-0.0004 ppm	66.3891 ppm	0.0706 ppm	0.0517 ppm	0.4452 ppm	0.0030 ppm	10.3685 ppm
Concentration RSD	77.8 %	0.3 %	1.3 %	1.2 %	0.5 %	1.4 %	0.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0041 ppm	0.0289 ppm	0.1374 ppm	0.2309 ppm	139.6511 ppm	12.5764 ppm	0.0262 ppm
Concentration per Run 1	0.0041 ppm	0.0295 ppm	0.1391 ppm	0.2332 ppm	140.7712 ppm	12.6631 ppm	0.0272 ppm
Concentration per Run 2	0.0040 ppm	0.0285 ppm	0.1360 ppm	0.2290 ppm	138.8783 ppm	12.5292 ppm	0.0257 ppm
Concentration per Run 3	0.0042 ppm	0.0287 ppm	0.1370 ppm	0.2306 ppm	139.3036 ppm	12.5370 ppm	0.0256 ppm
Concentration RSD	2.9 %	1.8 %	1.1 %	0.9 %	0.7 %	0.6 %	3.3 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	7.0285 ppm	1.5892 ppm	0.0251 ppm	0.8580 ppm	0.1344 ppm	0.2989 ppm	0.0003 ppm
Concentration per Run 1	7.0973 ppm	1.5910 ppm	0.0255 ppm	0.8566 ppm	0.1358 ppm	0.2978 ppm	0.0002 ppm
Concentration per Run 2	6.9468 ppm	1.5852 ppm	0.0248 ppm	0.8569 ppm	0.1343 ppm	0.3010 ppm	0.0005 ppm
Concentration per Run 3	7.0413 ppm	1.5914 ppm	0.0249 ppm	0.8606 ppm	0.1333 ppm	0.2979 ppm	0.0002 ppm
Concentration RSD	1.1 %	0.2 %	1.4 %	0.3 %	0.9 %	0.6 %	69.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0051 ppm	4.3353 ppm	0.0267 ppm	0.0700 ppm	0.8121 ppm	-0.0007 ppm	0.1649 ppm
Concentration per Run 1	0.0046 ppm	4.3792 ppm	0.0266 ppm	0.0703 ppm	0.8205 ppm	-0.0013 ppm	0.1659 ppm
Concentration per Run 2	0.0046 ppm	4.2864 ppm	0.0270 ppm	0.0698 ppm	0.8045 ppm	0.0001 ppm	0.1638 ppm
Concentration per Run 3	0.0060 ppm	4.3402 ppm	0.0266 ppm	0.0698 ppm	0.8113 ppm	-0.0009 ppm	0.1650 ppm
Concentration RSD	15.5 %	1.1 %	0.7 %	0.5 %	1.0 %	101.3 %	0.6 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.6953 ppm	99.5075 %	100.9121 %	88.5389 %	101.8289 %	105.4667 %	103.1162 %
Concentration per Run 1	0.7031 ppm	98.1994 %	100.6550 %	88.8570 %	101.1872 %	105.0092 %	102.9776 %
Concentration per Run 2	0.6902 ppm	100.5961 %	101.7508 %	88.6975 %	102.0552 %	106.1529 %	103.7740 %
Concentration per Run 3	0.6924 ppm	99.7269 %	100.3305 %	88.0621 %	102.2442 %	105.2381 %	102.5971 %
Concentration RSD	1.0 %	1.2 %	0.7 %	0.5 %	0.6 %	0.6 %	0.6 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: CCV
Analysis started at: 6/30/2025 1:28:12 PM
Rack: 0
Vial: 3
Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.5062 ppm	0.4834 ppm	0.4908 ppm	0.4778 ppm	0.5095 ppm	0.5053 ppm	0.4952 ppm
Concentration per Run 1	0.5058 ppm	0.4845 ppm	0.4900 ppm	0.4785 ppm	0.5094 ppm	0.5058 ppm	0.5009 ppm
Concentration per Run 2	0.5093 ppm	0.4788 ppm	0.4920 ppm	0.4813 ppm	0.5082 ppm	0.5047 ppm	0.4932 ppm
Concentration per Run 3	0.5035 ppm	0.4869 ppm	0.4903 ppm	0.4735 ppm	0.5108 ppm	0.5054 ppm	0.4914 ppm
Recovery Percentage 1	101.247 %	96.685 %	98.154 %	95.555 %	101.891 %	101.061 %	99.035 %
Concentration RSD	0.6 %	0.9 %	0.2 %	0.8 %	0.3 %	0.1 %	1.0 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.4758 ppm	0.4879 ppm	0.4916 ppm	0.5084 ppm	0.5108 ppm	5.3573 ppm	0.5338 ppm
Concentration per Run 1	0.4786 ppm	0.4879 ppm	0.4914 ppm	0.5090 ppm	0.5146 ppm	5.3149 ppm	0.5294 ppm
Concentration per Run 2	0.4780 ppm	0.4909 ppm	0.4961 ppm	0.5108 ppm	0.5085 ppm	5.3046 ppm	0.5286 ppm
Concentration per Run 3	0.4709 ppm	0.4848 ppm	0.4874 ppm	0.5055 ppm	0.5094 ppm	5.4524 ppm	0.5436 ppm
Recovery Percentage 1	95.166 %	97.575 %	98.323 %	101.680 %	102.167 %	107.146 %	106.769 %
Concentration RSD	0.9 %	0.6 %	0.9 %	0.5 %	0.6 %	1.5 %	1.6 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.4912 ppm	0.5039 ppm	0.4772 ppm	10.4255 ppm	0.5041 ppm	0.5136 ppm	0.5083 ppm
Concentration per Run 1	0.4923 ppm	0.5061 ppm	0.4771 ppm	10.3932 ppm	0.5038 ppm	0.5057 ppm	0.5123 ppm
Concentration per Run 2	0.4929 ppm	0.5026 ppm	0.4798 ppm	10.3217 ppm	0.5076 ppm	0.5182 ppm	0.5076 ppm
Concentration per Run 3	0.4884 ppm	0.5031 ppm	0.4746 ppm	10.5618 ppm	0.5010 ppm	0.5170 ppm	0.5049 ppm
Recovery Percentage 1	98.244 %	100.786 %	95.435 %	104.255 %	100.829 %	102.730 %	101.653 %
Concentration RSD	0.5 %	0.4 %	0.5 %	1.2 %	0.7 %	1.3 %	0.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.4990 ppm	5.2204 ppm	0.4903 ppm	0.5019 ppm	0.4881 ppm	0.5198 ppm	0.4979 ppm
Concentration per Run 1	0.4979 ppm	5.2198 ppm	0.4895 ppm	0.5014 ppm	0.4890 ppm	0.5133 ppm	0.4990 ppm
Concentration per Run 2	0.4993 ppm	5.2527 ppm	0.4942 ppm	0.5013 ppm	0.4911 ppm	0.5211 ppm	0.4996 ppm
Concentration per Run 3	0.4998 ppm	5.1888 ppm	0.4870 ppm	0.5028 ppm	0.4842 ppm	0.5249 ppm	0.4950 ppm
Recovery Percentage 1	99.795 %	99.436 %	98.051 %	100.370 %	97.624 %	103.951 %	99.573 %
Concentration RSD	0.2 %	0.6 %	0.7 %	0.2 %	0.7 %	1.1 %	0.5 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4890 ppm	99.1138 %	99.1376 %	96.3547 %	96.0159 %	97.6311 %	97.4467 %
Concentration per Run 1	0.4894 ppm	99.1078 %	98.4431 %	98.0033 %	96.2036 %	97.3534 %	97.7153 %
Concentration per Run 2	0.4915 ppm	98.4833 %	99.6674 %	95.7218 %	95.6794 %	97.5783 %	97.3541 %
Concentration per Run 3	0.4860 ppm	99.7504 %	99.3022 %	95.3389 %	96.1648 %	97.9617 %	97.2706 %
Recovery Percentage 1	97.792 %						
Concentration RSD	0.6 %	0.6 %	0.6 %	1.5 %	0.3 %	0.3 %	0.2 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: CCB
 Analysis started at: 6/30/2025 1:31:25 PM
 Rack: 0
 Vial: 4
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0001 ppm	-0.0053 ppm	-0.0006 ppm	0.0002 ppm	0.0001 ppm	0.0000 ppm	0.0013 ppm
Concentration per Run 1	-0.0002 ppm	-0.0055 ppm	-0.0013 ppm	-0.0001 ppm	0.0001 ppm	0.0000 ppm	-0.0015 ppm
Concentration per Run 2	0.0003 ppm	-0.0077 ppm	-0.0013 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0017 ppm
Concentration per Run 3	0.0002 ppm	-0.0027 ppm	0.0007 ppm	0.0006 ppm	0.0001 ppm	0.0000 ppm	0.0037 ppm
Recovery Percentage 1	1.773 %	-5.295 %	-12.595 %	0.586 %	0.840 %	0.336 %	1.325 %
Concentration RSD	202.7 %	47.6 %	176.2 %	211.5 %	99.1 %	140.3 %	200.8 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0001 ppm	0.0000 ppm	0.0003 ppm	0.0000 ppm	0.0025 ppm	0.0016 ppm	0.0007 ppm
Concentration per Run 1	-0.0001 ppm	0.0003 ppm	0.0002 ppm	0.0002 ppm	0.0024 ppm	-0.0019 ppm	0.0005 ppm
Concentration per Run 2	0.0000 ppm	-0.0001 ppm	0.0003 ppm	0.0001 ppm	0.0018 ppm	0.0055 ppm	0.0005 ppm
Concentration per Run 3	-0.0001 ppm	-0.0003 ppm	0.0003 ppm	-0.0001 ppm	0.0034 ppm	0.0013 ppm	0.0010 ppm
Recovery Percentage 1	-1.159 %	-0.208 %	2.833 %	0.379 %	5.090 %	0.066 %	13.266 %
Concentration RSD	82.8 %	711.3 %	17.2 %	443.1 %	31.7 %	225.4 %	44.3 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0025 ppm	0.0002 ppm	0.0018 ppm	-0.0022 ppm	0.0007 ppm	-0.0010 ppm	-0.0005 ppm
Concentration per Run 1	0.0019 ppm	0.0002 ppm	0.0019 ppm	-0.0048 ppm	0.0008 ppm	-0.0011 ppm	0.0001 ppm
Concentration per Run 2	0.0016 ppm	0.0002 ppm	0.0016 ppm	-0.0010 ppm	0.0002 ppm	-0.0011 ppm	-0.0006 ppm
Concentration per Run 3	0.0040 ppm	0.0000 ppm	0.0019 ppm	-0.0008 ppm	0.0010 ppm	-0.0009 ppm	-0.0009 ppm
Recovery Percentage 1	2.493 %	1.549 %	3.554 %	-0.110 %	2.677 %	-10.246 %	-0.984 %
Concentration RSD	52.2 %	71.0 %	9.1 %	101.6 %	60.4 %	11.4 %	98.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0015 ppm	-0.0005 ppm	0.0005 ppm	0.0000 ppm	0.0004 ppm	-0.0002 ppm	0.0000 ppm
Concentration per Run 1	0.0011 ppm	-0.0015 ppm	-0.0004 ppm	0.0000 ppm	0.0005 ppm	-0.0004 ppm	0.0001 ppm
Concentration per Run 2	0.0009 ppm	0.0001 ppm	0.0005 ppm	0.0001 ppm	0.0004 ppm	0.0004 ppm	-0.0001 ppm
Concentration per Run 3	0.0026 ppm	-0.0002 ppm	0.0013 ppm	0.0000 ppm	0.0003 ppm	-0.0005 ppm	0.0000 ppm
Recovery Percentage 1	15.360 %	-0.107 %	0.949 %	0.353 %	3.855 %	-0.873 %	0.225 %
Concentration RSD	60.0 %	152.7 %	176.6 %	130.3 %	23.5 %	301.8 %	351.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0004 ppm	99.4951 %	98.6998 %	98.1895 %	98.7693 %	98.7384 %	99.5341 %
Concentration per Run 1	-0.0003 ppm	100.1604 %	99.9164 %	97.7015 %	99.5216 %	99.8172 %	98.9038 %
Concentration per Run 2	-0.0006 ppm	99.5766 %	96.9908 %	98.6797 %	99.1799 %	97.3170 %	99.8300 %
Concentration per Run 3	-0.0004 ppm	98.7482 %	99.1920 %	98.1874 %	97.6065 %	99.0810 %	99.8684 %
Recovery Percentage 1	-8.942 %						
Concentration RSD	25.5 %	0.7 %	1.5 %	0.5 %	1.0 %	1.3 %	0.5 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: L2537937-02D2 WG2082820
 Analysis started at: 6/30/2025 2:03:11 PM
 Rack: 1
 Vial: 56
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0042 ppm	50.6289 ppm	0.1340 ppm	0.0657 ppm	0.3145 ppm	0.0024 ppm	8.4994 ppm
Concentration per Run 1	-0.0042 ppm	50.4829 ppm	0.1358 ppm	0.0659 ppm	0.3137 ppm	0.0024 ppm	8.5416 ppm
Concentration per Run 2	-0.0039 ppm	50.8127 ppm	0.1333 ppm	0.0645 ppm	0.3157 ppm	0.0024 ppm	8.4739 ppm
Concentration per Run 3	-0.0044 ppm	50.5911 ppm	0.1327 ppm	0.0667 ppm	0.3141 ppm	0.0024 ppm	8.4827 ppm
Concentration RSD	5.6 %	0.3 %	1.2 %	1.7 %	0.3 %	1.3 %	0.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0036 ppm	0.0456 ppm	0.1449 ppm	0.1856 ppm	379.1149 ppm	9.0253 ppm	0.0464 ppm
Concentration per Run 1	0.0037 ppm	0.0458 ppm	0.1451 ppm	0.1869 ppm	380.5167 ppm	9.0217 ppm	0.0461 ppm
Concentration per Run 2	0.0035 ppm	0.0454 ppm	0.1441 ppm	0.1847 ppm	379.1470 ppm	9.1325 ppm	0.0467 ppm
Concentration per Run 3	0.0035 ppm	0.0456 ppm	0.1455 ppm	0.1852 ppm	377.6811 ppm	8.9216 ppm	0.0463 ppm
Concentration RSD	3.0 %	0.5 %	0.5 %	0.6 %	0.4 %	1.2 %	0.6 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	6.2790 ppm	7.4737 ppm	0.0095 ppm	2.9471 ppm	0.0925 ppm	0.1741 ppm	-0.0063 ppm
Concentration per Run 1	6.3199 ppm	7.4746 ppm	0.0095 ppm	2.9367 ppm	0.0927 ppm	0.1728 ppm	-0.0085 ppm
Concentration per Run 2	6.2855 ppm	7.4851 ppm	0.0091 ppm	2.9869 ppm	0.0925 ppm	0.1748 ppm	-0.0057 ppm
Concentration per Run 3	6.2314 ppm	7.4615 ppm	0.0100 ppm	2.9178 ppm	0.0924 ppm	0.1748 ppm	-0.0047 ppm
Concentration RSD	0.7 %	0.2 %	4.3 %	1.2 %	0.2 %	0.6 %	30.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0001 ppm	2.7421 ppm	0.0214 ppm	0.0839 ppm	1.1432 ppm	-0.0042 ppm	0.2998 ppm
Concentration per Run 1	0.0009 ppm	2.7581 ppm	0.0218 ppm	0.0840 ppm	1.1487 ppm	-0.0045 ppm	0.2996 ppm
Concentration per Run 2	-0.0009 ppm	2.7291 ppm	0.0217 ppm	0.0842 ppm	1.1403 ppm	-0.0038 ppm	0.3002 ppm
Concentration per Run 3	-0.0002 ppm	2.7392 ppm	0.0207 ppm	0.0836 ppm	1.1407 ppm	-0.0045 ppm	0.2995 ppm
Concentration RSD	1,716.7 %	0.5 %	2.8 %	0.4 %	0.4 %	10.0 %	0.1 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.2490 ppm	98.3840 %	99.7373 %	82.5102 %	99.4180 %	103.3644 %	100.3543 %
Concentration per Run 1	0.2509 ppm	97.8975 %	99.2598 %	82.7297 %	99.0509 %	103.1943 %	99.9090 %
Concentration per Run 2	0.2474 ppm	98.8486 %	100.0045 %	82.3939 %	99.9497 %	103.1562 %	100.6232 %
Concentration per Run 3	0.2487 ppm	98.4060 %	99.9475 %	82.4070 %	99.2535 %	103.7428 %	100.5309 %
Concentration RSD	0.7 %	0.5 %	0.4 %	0.2 %	0.5 %	0.3 %	0.4 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: eL2537937-03D2 WG2082820
 Analysis started at: 6/30/2025 2:06:30 PM
 Rack: 1
 Vial: 57
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0136 ppm	88.0693 ppm	0.1523 ppm	0.0893 ppm	1.4105 ppm	0.0042 ppm	808.8453 [SIC 1500]
Concentration per Run 1	-0.0154 ppm	88.0902 ppm	0.1534 ppm	0.0898 ppm	1.4209 ppm	0.0042 ppm	810.9961 ppm
Concentration per Run 2	-0.0116 ppm	87.8535 ppm	0.1524 ppm	0.0882 ppm	1.4040 ppm	0.0042 ppm	811.1958 ppm
Concentration per Run 3	-0.0137 ppm	88.2642 ppm	0.1513 ppm	0.0899 ppm	1.4065 ppm	0.0041 ppm	804.3439 ppm
Concentration RSD	13.9 %	0.2 %	0.7 %	1.1 %	0.6 %	1.0 %	0.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0117 ppm	0.0779 ppm	1.7479 ppm	3.6275 ppm	839.4169 [SIC 700]	1.6931 ppm	0.0341 ppm
Concentration per Run 1	0.0114 ppm	0.0768 ppm	1.7377 ppm	3.6203 ppm	840.2707 ppm	1.7087 ppm	0.0339 ppm
Concentration per Run 2	0.0120 ppm	0.0789 ppm	1.7742 ppm	3.6481 ppm	844.5638 ppm	1.6712 ppm	0.0344 ppm
Concentration per Run 3	0.0115 ppm	0.0781 ppm	1.7316 ppm	3.6141 ppm	833.4162 ppm	1.6995 ppm	0.0341 ppm
Concentration RSD	2.9 %	1.4 %	1.3 %	0.5 %	0.7 %	1.2 %	0.6 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	29.1329 ppm	11.5199 ppm	0.1461 ppm	0.7349 ppm	0.8451 ppm	0.9225 ppm	0.0146 ppm
Concentration per Run 1	28.8751 ppm	11.5221 ppm	0.1459 ppm	0.7349 ppm	0.8415 ppm	0.9363 ppm	0.0145 ppm
Concentration per Run 2	29.4540 ppm	11.5564 ppm	0.1465 ppm	0.7307 ppm	0.8566 ppm	0.9212 ppm	0.0119 ppm
Concentration per Run 3	29.0695 ppm	11.4811 ppm	0.1460 ppm	0.7393 ppm	0.8373 ppm	0.9102 ppm	0.0174 ppm
Concentration RSD	1.0 %	0.3 %	0.2 %	0.6 %	1.2 %	1.4 %	18.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0300 ppm	4.7415 ppm	0.1369 ppm	0.4776 ppm	1.9701 ppm	-0.0063 ppm	0.1582 ppm
Concentration per Run 1	0.0305 ppm	4.7178 ppm	0.1359 ppm	0.4792 ppm	1.9558 ppm	-0.0065 ppm	0.1573 ppm
Concentration per Run 2	0.0301 ppm	4.7845 ppm	0.1368 ppm	0.4784 ppm	1.9989 ppm	-0.0089 ppm	0.1575 ppm
Concentration per Run 3	0.0295 ppm	4.7223 ppm	0.1379 ppm	0.4753 ppm	1.9557 ppm	-0.0034 ppm	0.1596 ppm
Concentration RSD	1.7 %	0.8 %	0.7 %	0.4 %	1.3 %	43.3 %	0.8 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	2.4230 ppm	82.3656 %	88.8728 %	57.6587 %	86.9697 %	96.3257 %	84.6036 %
Concentration per Run 1	2.4061 ppm	82.3953 %	88.6619 %	57.4014 %	86.7021 %	96.3608 %	84.6299 %
Concentration per Run 2	2.4577 ppm	81.7755 %	88.7770 %	57.6276 %	86.7627 %	96.0377 %	84.7980 %
Concentration per Run 3	2.4051 ppm	82.9261 %	89.1796 %	57.9472 %	87.4442 %	96.5784 %	84.3830 %
Concentration RSD	1.2 %	0.7 %	0.3 %	0.5 %	0.5 %	0.3 %	0.2 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: L2537937-04D2 WG2082820
 Analysis started at: 6/30/2025 2:09:43 PM
 Rack: 1
 Vial: 58
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0009 ppm	57.6061 ppm	0.0691 ppm	0.0519 ppm	0.4127 ppm	0.0030 ppm	13.3600 ppm
Concentration per Run 1	-0.0011 ppm	58.0687 ppm	0.0704 ppm	0.0506 ppm	0.4152 ppm	0.0030 ppm	13.3274 ppm
Concentration per Run 2	-0.0010 ppm	57.5995 ppm	0.0675 ppm	0.0537 ppm	0.4123 ppm	0.0030 ppm	13.3585 ppm
Concentration per Run 3	-0.0006 ppm	57.1502 ppm	0.0694 ppm	0.0513 ppm	0.4105 ppm	0.0030 ppm	13.3940 ppm
Concentration RSD	31.8 %	0.8 %	2.1 %	3.2 %	0.6 %	0.5 %	0.2 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0021 ppm	0.0306 ppm	0.1112 ppm	0.1078 ppm	137.5321 ppm	8.6106 ppm	0.0624 ppm
Concentration per Run 1	0.0020 ppm	0.0303 ppm	0.1112 ppm	0.1076 ppm	137.8695 ppm	8.7454 ppm	0.0638 ppm
Concentration per Run 2	0.0020 ppm	0.0307 ppm	0.1107 ppm	0.1080 ppm	136.8046 ppm	8.5872 ppm	0.0618 ppm
Concentration per Run 3	0.0022 ppm	0.0308 ppm	0.1118 ppm	0.1079 ppm	137.9222 ppm	8.4991 ppm	0.0616 ppm
Concentration RSD	3.9 %	0.8 %	0.5 %	0.2 %	0.5 %	1.4 %	1.9 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	6.2310 ppm	1.5214 ppm	0.0050 ppm	0.7994 ppm	0.0598 ppm	0.1482 ppm	-0.0034 ppm
Concentration per Run 1	6.2183 ppm	1.5269 ppm	0.0052 ppm	0.8122 ppm	0.0592 ppm	0.1491 ppm	-0.0042 ppm
Concentration per Run 2	6.2387 ppm	1.5148 ppm	0.0048 ppm	0.8011 ppm	0.0594 ppm	0.1456 ppm	-0.0025 ppm
Concentration per Run 3	6.2360 ppm	1.5224 ppm	0.0049 ppm	0.7850 ppm	0.0607 ppm	0.1498 ppm	-0.0034 ppm
Concentration RSD	0.2 %	0.4 %	3.7 %	1.7 %	1.4 %	1.5 %	25.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0016 ppm	4.8112 ppm	0.0129 ppm	0.2437 ppm	0.8511 ppm	-0.0007 ppm	0.1716 ppm
Concentration per Run 1	0.0013 ppm	4.7922 ppm	0.0118 ppm	0.2447 ppm	0.8489 ppm	-0.0008 ppm	0.1715 ppm
Concentration per Run 2	0.0020 ppm	4.8081 ppm	0.0138 ppm	0.2431 ppm	0.8492 ppm	-0.0014 ppm	0.1710 ppm
Concentration per Run 3	0.0015 ppm	4.8333 ppm	0.0130 ppm	0.2433 ppm	0.8553 ppm	0.0001 ppm	0.1724 ppm
Concentration RSD	21.8 %	0.4 %	7.8 %	0.4 %	0.4 %	103.8 %	0.4 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.3020 ppm	99.8339 %	101.5992 %	88.3553 %	102.0185 %	105.7711 %	102.8015 %
Concentration per Run 1	0.3020 ppm	99.8318 %	101.8079 %	88.2581 %	101.4906 %	106.1680 %	102.7171 %
Concentration per Run 2	0.3000 ppm	100.4023 %	101.9487 %	88.7884 %	102.6752 %	106.0041 %	102.8252 %
Concentration per Run 3	0.3040 ppm	99.2675 %	101.0410 %	88.0195 %	101.8896 %	105.1413 %	102.8621 %
Concentration RSD	0.7 %	0.6 %	0.5 %	0.4 %	0.6 %	0.5 %	0.1 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: eL2537937-05D2 WG2082820
 Analysis started at: 6/30/2025 2:12:57 PM
 Rack: 1
 Vial: 59
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0172 ppm	41.2418 ppm	0.1239 ppm	0.0609 ppm	0.3506 ppm	0.0018 ppm	35.9484 ppm
Concentration per Run 1	-0.0173 ppm	41.2901 ppm	0.1222 ppm	0.0609 ppm	0.3532 ppm	0.0018 ppm	36.1216 ppm
Concentration per Run 2	-0.0173 ppm	41.3470 ppm	0.1247 ppm	0.0613 ppm	0.3494 ppm	0.0018 ppm	35.6775 ppm
Concentration per Run 3	-0.0171 ppm	41.0883 ppm	0.1249 ppm	0.0606 ppm	0.3493 ppm	0.0018 ppm	36.0462 ppm
Concentration RSD	0.6 %	0.3 %	1.2 %	0.6 %	0.6 %	1.4 %	0.7 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0075 ppm	0.1231 ppm	0.2643 ppm	0.4133 ppm	789.6880 [SIC 700]	5.1719 ppm	0.0443 ppm
Concentration per Run 1	0.0074 ppm	0.1230 ppm	0.2646 ppm	0.4149 ppm	787.9920 ppm	5.2271 ppm	0.0454 ppm
Concentration per Run 2	0.0071 ppm	0.1225 ppm	0.2644 ppm	0.4108 ppm	784.2807 ppm	5.1748 ppm	0.0439 ppm
Concentration per Run 3	0.0080 ppm	0.1238 ppm	0.2639 ppm	0.4141 ppm	796.7911 ppm	5.1137 ppm	0.0438 ppm
Concentration RSD	5.5 %	0.5 %	0.1 %	0.5 %	0.8 %	1.1 %	2.0 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	19.5941 ppm	25.3133 [SIC 100]	0.0051 ppm	0.6281 ppm	0.1570 ppm	0.2318 ppm	-0.0065 ppm
Concentration per Run 1	19.6026 ppm	25.4072 ppm	0.0054 ppm	0.6353 ppm	0.1568 ppm	0.2288 ppm	-0.0063 ppm
Concentration per Run 2	19.5478 ppm	25.1324 ppm	0.0048 ppm	0.6313 ppm	0.1565 ppm	0.2321 ppm	-0.0038 ppm
Concentration per Run 3	19.6319 ppm	25.4004 ppm	0.0052 ppm	0.6175 ppm	0.1577 ppm	0.2345 ppm	-0.0094 ppm
Concentration RSD	0.2 %	0.6 %	6.4 %	1.5 %	0.4 %	1.2 %	42.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0052 ppm	3.8366 ppm	0.0347 ppm	0.2410 ppm	5.8701 ppm	-0.0127 ppm	1.3025 ppm
Concentration per Run 1	-0.0035 ppm	3.8322 ppm	0.0340 ppm	0.2425 ppm	5.8725 ppm	-0.0113 ppm	1.3080 ppm
Concentration per Run 2	-0.0065 ppm	3.8391 ppm	0.0354 ppm	0.2391 ppm	5.8692 ppm	-0.0124 ppm	1.2955 ppm
Concentration per Run 3	-0.0057 ppm	3.8386 ppm	0.0348 ppm	0.2414 ppm	5.8685 ppm	-0.0143 ppm	1.3040 ppm
Concentration RSD	30.0 %	0.1 %	1.9 %	0.7 %	0.0 %	11.7 %	0.5 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.1609 ppm	91.6157 %	95.4039 %	66.8126 %	93.9163 %	100.9251 %	92.5734 %
Concentration per Run 1	0.1607 ppm	91.7374 %	95.4190 %	67.7727 %	94.3215 %	101.7657 %	93.0858 %
Concentration per Run 2	0.1614 ppm	91.7891 %	96.0343 %	66.7463 %	93.7436 %	101.0502 %	92.4093 %
Concentration per Run 3	0.1607 ppm	91.3207 %	94.7584 %	65.9189 %	93.6839 %	99.9596 %	92.2250 %
Concentration RSD	0.3 %	0.3 %	0.7 %	1.4 %	0.4 %	0.9 %	0.5 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: eL2537937-06D2 WG2082820
 Analysis started at: 6/30/2025 2:16:10 PM
 Rack: 1
 Vial: 60
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0078 ppm	114.2157 ppm	0.2352 ppm	0.2106 ppm	4.4276 ppm	0.0074 ppm	556.7450 [SIC 1500]
Concentration per Run 1	-0.0098 ppm	114.8237 ppm	0.2335 ppm	0.2090 ppm	4.4548 ppm	0.0074 ppm	557.5048 ppm
Concentration per Run 2	-0.0092 ppm	114.5812 ppm	0.2361 ppm	0.2108 ppm	4.4286 ppm	0.0073 ppm	560.8030 ppm
Concentration per Run 3	-0.0044 ppm	113.2421 ppm	0.2361 ppm	0.2120 ppm	4.3995 ppm	0.0073 ppm	551.9272 ppm
Concentration RSD	37.4 %	0.7 %	0.6 %	0.7 %	0.6 %	0.5 %	0.8 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0643 ppm	0.1026 ppm	2.3807 ppm	4.7126 ppm	905.2879 [SIC 700]	5.8211 ppm	0.0901 ppm
Concentration per Run 1	0.0640 ppm	0.1026 ppm	2.3796 ppm	4.6902 ppm	909.9767 ppm	5.8860 ppm	0.0909 ppm
Concentration per Run 2	0.0641 ppm	0.1016 ppm	2.3665 ppm	4.7060 ppm	906.6740 ppm	5.8246 ppm	0.0904 ppm
Concentration per Run 3	0.0647 ppm	0.1037 ppm	2.3959 ppm	4.7415 ppm	899.2129 ppm	5.7528 ppm	0.0889 ppm
Concentration RSD	0.6 %	1.0 %	0.6 %	0.6 %	0.6 %	1.1 %	1.2 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	55.8587 ppm	23.8097 [SIC 100]	0.1422 ppm	2.3710 ppm	0.9190 ppm	4.9010 ppm	0.0359 ppm
Concentration per Run 1	55.9927 ppm	23.8174 ppm	0.1425 ppm	2.3894 ppm	0.9189 ppm	4.9012 ppm	0.0390 ppm
Concentration per Run 2	55.5312 ppm	24.0248 ppm	0.1416 ppm	2.3825 ppm	0.9128 ppm	4.8972 ppm	0.0334 ppm
Concentration per Run 3	56.0521 ppm	23.5869 ppm	0.1427 ppm	2.3410 ppm	0.9252 ppm	4.9046 ppm	0.0353 ppm
Concentration RSD	0.5 %	0.9 %	0.4 %	1.1 %	0.7 %	0.1 %	7.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0106 ppm	23.9790 [SIC 200]	0.2810 ppm	0.9418 ppm	4.4514 ppm	-0.0174 ppm	0.3194 ppm
Concentration per Run 1	0.0120 ppm	23.8808 ppm	0.2808 ppm	0.9468 ppm	4.4406 ppm	-0.0170 ppm	0.3204 ppm
Concentration per Run 2	0.0117 ppm	23.9412 ppm	0.2817 ppm	0.9430 ppm	4.4303 ppm	-0.0170 ppm	0.3195 ppm
Concentration per Run 3	0.0082 ppm	24.1149 ppm	0.2804 ppm	0.9358 ppm	4.4834 ppm	-0.0182 ppm	0.3183 ppm
Concentration RSD	20.1 %	0.5 %	0.2 %	0.6 %	0.6 %	3.8 %	0.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	11.8644 ppm	83.9500 %	91.1655 %	56.8370 %	95.1711 %	105.9479 %	92.0665 %
Concentration per Run 1	11.9270 ppm	84.1844 %	91.1568 %	56.9078 %	95.0626 %	106.3430 %	92.6504 %
Concentration per Run 2	11.7839 ppm	84.1990 %	90.6719 %	57.1493 %	95.5167 %	105.7805 %	92.1283 %
Concentration per Run 3	11.8823 ppm	83.4666 %	91.6679 %	56.4538 %	94.9340 %	105.7202 %	91.4209 %
Concentration RSD	0.6 %	0.5 %	0.5 %	0.6 %	0.3 %	0.3 %	0.7 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: L2537970-01D2 WG2082820
 Analysis started at: 6/30/2025 2:19:25 PM
 Rack: 2
 Vial: 1
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0017 ppm	50.6741 ppm	0.1114 ppm	0.0175 ppm	0.2829 ppm	0.0032 ppm	22.8473 ppm
Concentration per Run 1	-0.0017 ppm	50.7921 ppm	0.1128 ppm	0.0178 ppm	0.2839 ppm	0.0032 ppm	23.0633 ppm
Concentration per Run 2	-0.0018 ppm	50.7847 ppm	0.1113 ppm	0.0165 ppm	0.2831 ppm	0.0032 ppm	22.7308 ppm
Concentration per Run 3	-0.0017 ppm	50.4455 ppm	0.1099 ppm	0.0181 ppm	0.2816 ppm	0.0032 ppm	22.7476 ppm
Concentration RSD	3.3 %	0.4 %	1.3 %	4.9 %	0.4 %	0.4 %	0.8 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0016 ppm	0.0126 ppm	0.1429 ppm	0.0677 ppm	174.6391 ppm	6.3829 ppm	0.0455 ppm
Concentration per Run 1	0.0016 ppm	0.0129 ppm	0.1433 ppm	0.0686 ppm	175.8475 ppm	6.4118 ppm	0.0459 ppm
Concentration per Run 2	0.0016 ppm	0.0123 ppm	0.1434 ppm	0.0676 ppm	173.8486 ppm	6.4043 ppm	0.0457 ppm
Concentration per Run 3	0.0016 ppm	0.0127 ppm	0.1422 ppm	0.0668 ppm	174.2211 ppm	6.3327 ppm	0.0447 ppm
Concentration RSD	0.6 %	2.4 %	0.5 %	1.4 %	0.6 %	0.7 %	1.4 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	7.5127 ppm	0.3795 ppm	0.0023 ppm	0.5278 ppm	0.0275 ppm	0.1794 ppm	-0.0035 ppm
Concentration per Run 1	7.5969 ppm	0.3833 ppm	0.0025 ppm	0.5313 ppm	0.0274 ppm	0.1805 ppm	-0.0025 ppm
Concentration per Run 2	7.4891 ppm	0.3777 ppm	0.0024 ppm	0.5298 ppm	0.0281 ppm	0.1777 ppm	-0.0046 ppm
Concentration per Run 3	7.4521 ppm	0.3776 ppm	0.0022 ppm	0.5222 ppm	0.0269 ppm	0.1801 ppm	-0.0035 ppm
Concentration RSD	1.0 %	0.8 %	5.8 %	0.9 %	2.3 %	0.8 %	29.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0047 ppm	4.7343 ppm	0.0088 ppm	0.1036 ppm	0.4433 ppm	0.0013 ppm	0.2875 ppm
Concentration per Run 1	0.0055 ppm	4.7602 ppm	0.0087 ppm	0.1042 ppm	0.4446 ppm	0.0006 ppm	0.2892 ppm
Concentration per Run 2	0.0039 ppm	4.7380 ppm	0.0091 ppm	0.1035 ppm	0.4440 ppm	0.0015 ppm	0.2872 ppm
Concentration per Run 3	0.0047 ppm	4.7045 ppm	0.0087 ppm	0.1032 ppm	0.4412 ppm	0.0019 ppm	0.2860 ppm
Concentration RSD	17.1 %	0.6 %	2.9 %	0.5 %	0.4 %	51.8 %	0.6 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.1724 ppm	99.5236 %	101.5679 %	88.1286 %	103.6455 %	108.3440 %	104.9625 %
Concentration per Run 1	0.1730 ppm	99.3860 %	101.3530 %	87.7982 %	104.3160 %	108.5829 %	104.9272 %
Concentration per Run 2	0.1732 ppm	99.0973 %	101.5368 %	89.0251 %	102.9146 %	108.0050 %	105.0589 %
Concentration per Run 3	0.1712 ppm	100.0874 %	101.8139 %	87.5623 %	103.7060 %	108.4442 %	104.9013 %
Concentration RSD	0.7 %	0.5 %	0.2 %	0.9 %	0.7 %	0.3 %	0.1 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: CCV
 Analysis started at: 6/30/2025 2:22:38 PM
 Rack: 0
 Vial: 3
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.5003 ppm	0.4800 ppm	0.4928 ppm	0.4707 ppm	0.5109 ppm	0.5011 ppm	0.4871 ppm
Concentration per Run 1	0.5026 ppm	0.4824 ppm	0.4943 ppm	0.4724 ppm	0.5135 ppm	0.5030 ppm	0.4883 ppm
Concentration per Run 2	0.5000 ppm	0.4771 ppm	0.4908 ppm	0.4730 ppm	0.5084 ppm	0.4999 ppm	0.4867 ppm
Concentration per Run 3	0.4982 ppm	0.4806 ppm	0.4934 ppm	0.4667 ppm	0.5107 ppm	0.5004 ppm	0.4861 ppm
Recovery Percentage 1	100.053 %	96.008 %	98.568 %	94.149 %	102.178 %	100.220 %	97.412 %
Concentration RSD	0.4 %	0.6 %	0.4 %	0.7 %	0.5 %	0.3 %	0.2 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.4621 ppm	0.4777 ppm	0.4813 ppm	0.5053 ppm	0.5122 ppm	5.3853 ppm	0.5364 ppm
Concentration per Run 1	0.4595 ppm	0.4751 ppm	0.4810 ppm	0.5079 ppm	0.5152 ppm	5.4270 ppm	0.5384 ppm
Concentration per Run 2	0.4669 ppm	0.4815 ppm	0.4842 ppm	0.5045 ppm	0.5111 ppm	5.3770 ppm	0.5382 ppm
Concentration per Run 3	0.4599 ppm	0.4764 ppm	0.4787 ppm	0.5034 ppm	0.5102 ppm	5.3520 ppm	0.5326 ppm
Recovery Percentage 1	92.422 %	95.541 %	96.256 %	101.053 %	102.433 %	107.707 %	107.283 %
Concentration RSD	0.9 %	0.7 %	0.6 %	0.5 %	0.5 %	0.7 %	0.6 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.4829 ppm	0.4971 ppm	0.4656 ppm	10.4873 ppm	0.4913 ppm	0.5161 ppm	0.5035 ppm
Concentration per Run 1	0.4838 ppm	0.5003 ppm	0.4656 ppm	10.3999 ppm	0.4918 ppm	0.5216 ppm	0.5094 ppm
Concentration per Run 2	0.4861 ppm	0.4945 ppm	0.4670 ppm	10.6234 ppm	0.4938 ppm	0.5090 ppm	0.5001 ppm
Concentration per Run 3	0.4788 ppm	0.4966 ppm	0.4643 ppm	10.4384 ppm	0.4883 ppm	0.5176 ppm	0.5009 ppm
Recovery Percentage 1	96.579 %	99.423 %	93.126 %	104.873 %	98.261 %	103.219 %	100.698 %
Concentration RSD	0.8 %	0.6 %	0.3 %	1.1 %	0.6 %	1.2 %	1.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.5001 ppm	5.1740 ppm	0.4777 ppm	0.5060 ppm	0.4800 ppm	0.5244 ppm	0.4914 ppm
Concentration per Run 1	0.5030 ppm	5.1864 ppm	0.4781 ppm	0.5078 ppm	0.4807 ppm	0.5268 ppm	0.4911 ppm
Concentration per Run 2	0.4990 ppm	5.1888 ppm	0.4788 ppm	0.5044 ppm	0.4820 ppm	0.5205 ppm	0.4931 ppm
Concentration per Run 3	0.4984 ppm	5.1467 ppm	0.4761 ppm	0.5059 ppm	0.4773 ppm	0.5259 ppm	0.4901 ppm
Recovery Percentage 1	100.028 %	98.552 %	95.535 %	101.206 %	96.002 %	104.881 %	98.286 %
Concentration RSD	0.5 %	0.5 %	0.3 %	0.3 %	0.5 %	0.7 %	0.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4723 ppm	99.8388 %	99.2045 %	95.3987 %	96.3478 %	97.7715 %	96.8678 %
Concentration per Run 1	0.4715 ppm	99.7657 %	98.7371 %	94.9776 %	96.3004 %	97.6096 %	96.9063 %
Concentration per Run 2	0.4754 ppm	99.5291 %	99.4087 %	96.1860 %	96.4214 %	97.7629 %	96.5985 %
Concentration per Run 3	0.4699 ppm	100.2217 %	99.4677 %	95.0324 %	96.3216 %	97.9419 %	97.0985 %
Recovery Percentage 1	94.452 %						
Concentration RSD	0.6 %	0.4 %	0.4 %	0.7 %	0.1 %	0.2 %	0.3 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: CCB
 Analysis started at: 6/30/2025 2:25:52 PM
 Rack: 0
 Vial: 4
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0001 ppm	-0.0083 ppm	-0.0006 ppm	0.0008 ppm	0.0001 ppm	0.0000 ppm	0.0033 ppm
Concentration per Run 1	0.0001 ppm	-0.0084 ppm	-0.0005 ppm	0.0005 ppm	0.0000 ppm	0.0000 ppm	0.0031 ppm
Concentration per Run 2	0.0000 ppm	-0.0079 ppm	-0.0011 ppm	0.0007 ppm	0.0001 ppm	0.0001 ppm	0.0038 ppm
Concentration per Run 3	0.0003 ppm	-0.0086 ppm	-0.0002 ppm	0.0012 ppm	0.0001 ppm	0.0000 ppm	0.0031 ppm
Recovery Percentage 1	1.830 %	-8.300 %	-12.067 %	2.702 %	0.869 %	0.850 %	3.316 %
Concentration RSD	108.5 %	4.8 %	77.1 %	46.9 %	51.0 %	56.6 %	11.9 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0000 ppm	0.0000 ppm	0.0003 ppm	0.0001 ppm	0.0052 ppm	-0.0047 ppm	0.0010 ppm
Concentration per Run 1	0.0001 ppm	0.0002 ppm	0.0002 ppm	0.0003 ppm	0.0056 ppm	-0.0068 ppm	0.0010 ppm
Concentration per Run 2	-0.0001 ppm	0.0003 ppm	0.0003 ppm	0.0000 ppm	0.0049 ppm	0.0010 ppm	0.0012 ppm
Concentration per Run 3	-0.0001 ppm	-0.0004 ppm	0.0003 ppm	0.0000 ppm	0.0051 ppm	-0.0085 ppm	0.0009 ppm
Recovery Percentage 1	-0.483 %	0.118 %	2.646 %	0.899 %	10.362 %	-0.190 %	20.865 %
Concentration RSD	277.8 %	1,632.0 %	9.4 %	180.6 %	6.4 %	106.8 %	15.8 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0025 ppm	0.0003 ppm	0.0016 ppm	-0.0037 ppm	0.0004 ppm	-0.0003 ppm	-0.0003 ppm
Concentration per Run 1	0.0028 ppm	0.0001 ppm	0.0016 ppm	-0.0048 ppm	0.0009 ppm	0.0002 ppm	-0.0002 ppm
Concentration per Run 2	0.0027 ppm	0.0003 ppm	0.0016 ppm	-0.0038 ppm	-0.0001 ppm	-0.0009 ppm	-0.0011 ppm
Concentration per Run 3	0.0021 ppm	0.0004 ppm	0.0016 ppm	-0.0025 ppm	0.0003 ppm	-0.0003 ppm	0.0004 ppm
Recovery Percentage 1	2.535 %	2.740 %	3.133 %	-0.185 %	1.417 %	-3.464 %	-0.546 %
Concentration RSD	15.8 %	49.1 %	1.2 %	31.2 %	138.2 %	168.4 %	275.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0027 ppm	-0.0014 ppm	0.0006 ppm	0.0000 ppm	0.0004 ppm	0.0004 ppm	0.0001 ppm
Concentration per Run 1	0.0038 ppm	-0.0005 ppm	0.0012 ppm	0.0000 ppm	0.0003 ppm	0.0014 ppm	0.0002 ppm
Concentration per Run 2	0.0017 ppm	-0.0017 ppm	0.0006 ppm	-0.0001 ppm	0.0003 ppm	0.0003 ppm	0.0000 ppm
Concentration per Run 3	0.0025 ppm	-0.0019 ppm	0.0001 ppm	0.0000 ppm	0.0005 ppm	-0.0006 ppm	0.0001 ppm
Recovery Percentage 1	26.565 %	-0.274 %	1.223 %	-0.328 %	3.635 %	1.770 %	1.018 %
Concentration RSD	38.7 %	56.4 %	86.7 %	69.1 %	33.7 %	281.7 %	135.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0004 ppm	100.2698 %	99.3588 %	97.6743 %	98.7517 %	99.4131 %	98.9324 %
Concentration per Run 1	-0.0003 ppm	99.9611 %	99.3987 %	97.1806 %	98.9033 %	99.3258 %	98.6573 %
Concentration per Run 2	-0.0004 ppm	100.5215 %	99.5496 %	97.9153 %	98.5480 %	99.1667 %	99.4693 %
Concentration per Run 3	-0.0005 ppm	100.3269 %	99.1282 %	97.9270 %	98.8038 %	99.7469 %	98.6706 %
Recovery Percentage 1	-7.775 %						
Concentration RSD	26.3 %	0.3 %	0.2 %	0.4 %	0.2 %	0.3 %	0.5 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: LDR 1000 Ca
 Analysis started at: 6/30/2025 3:00:14 PM
 Rack: 2
 Vial: 2
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0006 ppm	0.0073 ppm	-0.0010 ppm	0.0003 ppm	0.0001 ppm	0.0000 ppm	852.0336 [SIC 1500]
Concentration per Run 1	-0.0007 ppm	0.0064 ppm	-0.0010 ppm	-0.0005 ppm	0.0002 ppm	0.0000 ppm	856.4123 ppm
Concentration per Run 2	-0.0003 ppm	0.0067 ppm	-0.0009 ppm	0.0009 ppm	0.0001 ppm	0.0000 ppm	852.1492 ppm
Concentration per Run 3	-0.0009 ppm	0.0088 ppm	-0.0010 ppm	0.0006 ppm	0.0001 ppm	0.0000 ppm	847.5392 ppm
Concentration RSD	48.3 %	18.2 %	4.6 %	230.2 %	34.7 %	73.5 %	0.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0042 ppm	0.0000 ppm	0.0002 ppm	0.0010 ppm	0.0121 ppm	-0.0047 ppm	-0.0033 ppm
Concentration per Run 1	-0.0042 ppm	-0.0004 ppm	0.0001 ppm	0.0010 ppm	0.0131 ppm	-0.0035 ppm	-0.0032 ppm
Concentration per Run 2	-0.0042 ppm	0.0001 ppm	0.0004 ppm	0.0011 ppm	0.0125 ppm	-0.0131 ppm	-0.0031 ppm
Concentration per Run 3	-0.0042 ppm	0.0003 ppm	0.0000 ppm	0.0009 ppm	0.0106 ppm	0.0023 ppm	-0.0035 ppm
Concentration RSD	0.7 %	2,235.1 %	139.9 %	6.5 %	10.6 %	164.1 %	6.7 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	-0.0088 ppm	0.0004 ppm	-0.0002 ppm	0.0036 ppm	0.0007 ppm	-0.0010 ppm	-0.0017 ppm
Concentration per Run 1	-0.0069 ppm	0.0003 ppm	-0.0002 ppm	0.0054 ppm	0.0006 ppm	-0.0020 ppm	0.0010 ppm
Concentration per Run 2	-0.0107 ppm	0.0003 ppm	-0.0001 ppm	0.0047 ppm	0.0006 ppm	-0.0001 ppm	-0.0027 ppm
Concentration per Run 3	-0.0089 ppm	0.0004 ppm	-0.0005 ppm	0.0007 ppm	0.0009 ppm	-0.0009 ppm	-0.0034 ppm
Concentration RSD	21.5 %	23.0 %	84.8 %	70.5 %	28.5 %	95.8 %	138.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0025 ppm	-0.0023 ppm	0.0007 ppm	-0.0084 ppm	-0.0005 ppm	0.0004 ppm	0.0004 ppm
Concentration per Run 1	0.0026 ppm	-0.0028 ppm	0.0012 ppm	-0.0084 ppm	-0.0005 ppm	0.0004 ppm	0.0004 ppm
Concentration per Run 2	0.0012 ppm	-0.0015 ppm	0.0006 ppm	-0.0084 ppm	-0.0005 ppm	0.0005 ppm	0.0005 ppm
Concentration per Run 3	0.0039 ppm	-0.0025 ppm	0.0004 ppm	-0.0084 ppm	-0.0004 ppm	0.0002 ppm	0.0003 ppm
Concentration RSD	53.9 %	31.2 %	54.6 %	0.2 %	13.6 %	39.3 %	22.8 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0035 ppm	84.6145 %	90.3450 %	70.7009 %	81.8307 %	89.3337 %	81.9154 %
Concentration per Run 1	-0.0036 ppm	84.5584 %	90.1269 %	70.4580 %	81.9618 %	89.7040 %	81.9923 %
Concentration per Run 2	-0.0032 ppm	84.6712 %	90.5608 %	70.7005 %	81.6699 %	89.3853 %	81.8668 %
Concentration per Run 3	-0.0037 ppm	84.6139 %	90.3473 %	70.9441 %	81.8603 %	88.9117 %	81.8871 %
Concentration RSD	7.4 %	0.1 %	0.2 %	0.3 %	0.2 %	0.4 %	0.1 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: LDR 400 Fe pass
 Analysis started at: 6/30/2025 3:03:33 PM
 Rack: 2
 Vial: 3
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0060 ppm	0.0019 ppm	-0.0035 ppm	0.0008 ppm	0.0005 ppm	0.0000 ppm	0.0195 ppm
Concentration per Run 1	-0.0063 ppm	0.0033 ppm	-0.0033 ppm	0.0007 ppm	0.0005 ppm	0.0000 ppm	0.0223 ppm
Concentration per Run 2	-0.0059 ppm	0.0026 ppm	-0.0051 ppm	0.0009 ppm	0.0005 ppm	0.0000 ppm	0.0164 ppm
Concentration per Run 3	-0.0057 ppm	-0.0002 ppm	-0.0021 ppm	0.0007 ppm	0.0005 ppm	0.0000 ppm	0.0199 ppm
Concentration RSD	4.8 %	99.7 %	43.7 %	13.5 %	1.2 %	48.8 %	15.1 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0023 ppm	-0.0023 ppm	-0.0021 ppm	-0.0052 ppm	378.1755 ppm	-0.0653 ppm	0.0010 ppm
Concentration per Run 1	0.0023 ppm	-0.0022 ppm	-0.0020 ppm	-0.0055 ppm	378.8838 ppm	-0.0650 ppm	0.0014 ppm
Concentration per Run 2	0.0022 ppm	-0.0022 ppm	-0.0023 ppm	-0.0050 ppm	376.3909 ppm	-0.0581 ppm	0.0008 ppm
Concentration per Run 3	0.0025 ppm	-0.0024 ppm	-0.0019 ppm	-0.0051 ppm	379.2517 ppm	-0.0728 ppm	0.0009 ppm
Concentration RSD	5.3 %	6.1 %	12.0 %	5.9 %	0.4 %	11.2 %	29.0 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0341 ppm	-0.0014 ppm	-0.0028 ppm	0.0034 ppm	-0.0012 ppm	-0.0008 ppm	-0.0079 ppm
Concentration per Run 1	0.0336 ppm	-0.0014 ppm	-0.0031 ppm	0.0039 ppm	-0.0007 ppm	-0.0005 ppm	-0.0071 ppm
Concentration per Run 2	0.0345 ppm	-0.0014 ppm	-0.0026 ppm	0.0025 ppm	-0.0007 ppm	0.0002 ppm	-0.0082 ppm
Concentration per Run 3	0.0341 ppm	-0.0016 ppm	-0.0029 ppm	0.0039 ppm	-0.0021 ppm	-0.0023 ppm	-0.0085 ppm
Concentration RSD	1.3 %	8.6 %	8.4 %	24.1 %	70.9 %	156.8 %	8.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0001 ppm	-0.0081 ppm	0.0022 ppm	0.0002 ppm	0.0000 ppm	0.0008 ppm	-0.0026 ppm
Concentration per Run 1	-0.0001 ppm	-0.0083 ppm	0.0019 ppm	0.0002 ppm	0.0000 ppm	0.0007 ppm	-0.0026 ppm
Concentration per Run 2	-0.0008 ppm	-0.0078 ppm	0.0021 ppm	0.0002 ppm	0.0000 ppm	0.0005 ppm	-0.0022 ppm
Concentration per Run 3	0.0006 ppm	-0.0082 ppm	0.0026 ppm	0.0002 ppm	0.0001 ppm	0.0012 ppm	-0.0031 ppm
Concentration RSD	556.1 %	3.5 %	15.2 %	7.1 %	84.1 %	50.4 %	16.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0013 ppm	98.8687 %	97.7710 %	82.7260 %	93.7073 %	95.5453 %	93.0522 %
Concentration per Run 1	-0.0011 ppm	98.5053 %	96.8951 %	82.8763 %	93.2210 %	95.0507 %	92.8059 %
Concentration per Run 2	-0.0014 ppm	99.6566 %	98.4162 %	82.6554 %	94.5045 %	95.7655 %	93.1173 %
Concentration per Run 3	-0.0012 ppm	98.4442 %	98.0017 %	82.6463 %	93.3963 %	95.8199 %	93.2334 %
Concentration RSD	12.4 %	0.7 %	0.8 %	0.2 %	0.7 %	0.4 %	0.2 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: LDR 600 Al pass
 Analysis started at: 6/30/2025 3:06:47 PM
 Rack: 2
 Vial: 4
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0005 ppm	578.2862 ppm	-0.0042 ppm	-0.0124 ppm	0.0001 ppm	0.0000 ppm	0.0079 ppm
Concentration per Run 1	0.0008 ppm	579.7590 ppm	-0.0035 ppm	-0.0103 ppm	0.0002 ppm	0.0000 ppm	0.0076 ppm
Concentration per Run 2	0.0003 ppm	577.7091 ppm	-0.0043 ppm	-0.0134 ppm	0.0001 ppm	0.0000 ppm	0.0063 ppm
Concentration per Run 3	0.0004 ppm	577.3904 ppm	-0.0048 ppm	-0.0136 ppm	0.0001 ppm	0.0000 ppm	0.0097 ppm
Concentration RSD	42.8 %	0.2 %	15.1 %	14.9 %	64.6 %	108.2 %	22.0 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0010 ppm	0.0003 ppm	0.0006 ppm	-0.0022 ppm	0.0218 ppm	-0.0065 ppm	0.0006 ppm
Concentration per Run 1	-0.0009 ppm	0.0000 ppm	0.0007 ppm	-0.0020 ppm	0.0236 ppm	-0.0084 ppm	0.0010 ppm
Concentration per Run 2	-0.0011 ppm	0.0002 ppm	0.0005 ppm	-0.0024 ppm	0.0215 ppm	-0.0051 ppm	0.0009 ppm
Concentration per Run 3	-0.0010 ppm	0.0007 ppm	0.0006 ppm	-0.0022 ppm	0.0203 ppm	-0.0061 ppm	0.0000 ppm
Concentration RSD	11.6 %	120.6 %	16.6 %	9.4 %	7.7 %	26.2 %	86.6 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0042 ppm	-0.0001 ppm	0.0002 ppm	-0.0008 ppm	0.0005 ppm	0.0093 ppm	-0.0077 ppm
Concentration per Run 1	0.0041 ppm	0.0000 ppm	-0.0001 ppm	-0.0004 ppm	-0.0002 ppm	0.0084 ppm	-0.0094 ppm
Concentration per Run 2	0.0026 ppm	-0.0003 ppm	-0.0001 ppm	-0.0017 ppm	0.0011 ppm	0.0097 ppm	-0.0063 ppm
Concentration per Run 3	0.0061 ppm	-0.0001 ppm	0.0008 ppm	-0.0002 ppm	0.0005 ppm	0.0099 ppm	-0.0075 ppm
Concentration RSD	41.5 %	112.6 %	253.0 %	101.8 %	138.9 %	9.1 %	20.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0066 ppm	-0.0012 ppm	0.0014 ppm	0.0000 ppm	0.0003 ppm	0.0027 ppm	0.0004 ppm
Concentration per Run 1	0.0076 ppm	-0.0015 ppm	0.0010 ppm	0.0000 ppm	0.0002 ppm	0.0031 ppm	0.0005 ppm
Concentration per Run 2	0.0113 ppm	0.0011 ppm	0.0018 ppm	0.0000 ppm	0.0003 ppm	0.0030 ppm	0.0003 ppm
Concentration per Run 3	0.0008 ppm	-0.0032 ppm	0.0014 ppm	0.0000 ppm	0.0003 ppm	0.0020 ppm	0.0005 ppm
Concentration RSD	81.3 %	183.8 %	26.1 %	89.6 %	32.3 %	22.2 %	15.4 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0031 ppm	85.7244 %	94.4725 %	85.7814 %	83.3410 %	91.2498 %	92.0709 %
Concentration per Run 1	-0.0032 ppm	85.3645 %	93.8294 %	86.3307 %	83.3398 %	90.8454 %	91.9594 %
Concentration per Run 2	-0.0029 ppm	85.8460 %	94.3301 %	84.6939 %	83.5457 %	90.5710 %	91.8466 %
Concentration per Run 3	-0.0030 ppm	85.9628 %	95.2580 %	86.3196 %	83.1375 %	92.3329 %	92.4066 %
Concentration RSD	4.9 %	0.4 %	0.8 %	1.1 %	0.2 %	1.0 %	0.3 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: L2537937-03d4 WG2082820
 Analysis started at: 6/30/2025 3:46:56 PM
 Rack: 2
 Vial: 5
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0057 ppm	42.1334 ppm	0.0753 ppm	0.0467 ppm	0.6756 ppm	0.0021 ppm	412.0678 ppm
Concentration per Run 1	-0.0057 ppm	42.3308 ppm	0.0746 ppm	0.0462 ppm	0.6807 ppm	0.0020 ppm	413.3084 ppm
Concentration per Run 2	-0.0060 ppm	41.9697 ppm	0.0749 ppm	0.0453 ppm	0.6731 ppm	0.0021 ppm	411.7440 ppm
Concentration per Run 3	-0.0055 ppm	42.0996 ppm	0.0764 ppm	0.0484 ppm	0.6729 ppm	0.0021 ppm	411.1510 ppm
Concentration RSD	4.5 %	0.4 %	1.3 %	3.3 %	0.7 %	1.0 %	0.3 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0059 ppm	0.0391 ppm	0.8728 ppm	1.7649 ppm	494.4749 [SIC 700]	0.8159 ppm	0.0168 ppm
Concentration per Run 1	0.0059 ppm	0.0390 ppm	0.8764 ppm	1.7770 ppm	495.3703 ppm	0.8307 ppm	0.0175 ppm
Concentration per Run 2	0.0059 ppm	0.0389 ppm	0.8711 ppm	1.7616 ppm	494.0187 ppm	0.8103 ppm	0.0166 ppm
Concentration per Run 3	0.0058 ppm	0.0392 ppm	0.8709 ppm	1.7559 ppm	494.0356 ppm	0.8066 ppm	0.0161 ppm
Concentration RSD	1.4 %	0.4 %	0.4 %	0.6 %	0.2 %	1.6 %	4.3 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	15.2064 ppm	5.7228 ppm	0.0717 ppm	0.3608 ppm	0.4346 ppm	0.4401 ppm	0.0041 ppm
Concentration per Run 1	15.2062 ppm	5.7481 ppm	0.0722 ppm	0.3716 ppm	0.4358 ppm	0.4449 ppm	0.0053 ppm
Concentration per Run 2	15.2584 ppm	5.7154 ppm	0.0714 ppm	0.3525 ppm	0.4339 ppm	0.4424 ppm	0.0048 ppm
Concentration per Run 3	15.1546 ppm	5.7048 ppm	0.0715 ppm	0.3584 ppm	0.4340 ppm	0.4331 ppm	0.0024 ppm
Concentration RSD	0.3 %	0.4 %	0.6 %	2.7 %	0.3 %	1.4 %	36.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0132 ppm	2.3011 ppm	0.0703 ppm	0.2313 ppm	0.9733 ppm	-0.0029 ppm	0.0785 ppm
Concentration per Run 1	0.0147 ppm	2.3161 ppm	0.0701 ppm	0.2320 ppm	0.9801 ppm	-0.0046 ppm	0.0788 ppm
Concentration per Run 2	0.0134 ppm	2.3013 ppm	0.0714 ppm	0.2295 ppm	0.9724 ppm	-0.0021 ppm	0.0779 ppm
Concentration per Run 3	0.0115 ppm	2.2858 ppm	0.0693 ppm	0.2324 ppm	0.9674 ppm	-0.0021 ppm	0.0787 ppm
Concentration RSD	12.2 %	0.7 %	1.5 %	0.7 %	0.7 %	50.3 %	0.6 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	1.2410 ppm	88.5155 %	92.7401 %	67.8092 %	87.6274 %	94.9938 %	87.0198 %
Concentration per Run 1	1.2440 ppm	88.6617 %	92.7505 %	67.3844 %	87.6887 %	95.3132 %	86.4652 %
Concentration per Run 2	1.2411 ppm	88.4396 %	93.0865 %	67.7209 %	87.4885 %	95.1157 %	87.4181 %
Concentration per Run 3	1.2378 ppm	88.4450 %	92.3835 %	68.3222 %	87.7049 %	94.5525 %	87.1760 %
Concentration RSD	0.2 %	0.1 %	0.4 %	0.7 %	0.1 %	0.4 %	0.6 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: L2537937-05d4 WG2082820
 Analysis started at: 6/30/2025 3:50:22 PM
 Rack: 2
 Vial: 6
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0076 ppm	20.2094 ppm	0.0641 ppm	0.0314 ppm	0.1729 ppm	0.0010 ppm	18.2877 ppm
Concentration per Run 1	-0.0077 ppm	20.2067 ppm	0.0653 ppm	0.0318 ppm	0.1733 ppm	0.0010 ppm	18.2571 ppm
Concentration per Run 2	-0.0076 ppm	20.2817 ppm	0.0634 ppm	0.0315 ppm	0.1730 ppm	0.0010 ppm	18.3526 ppm
Concentration per Run 3	-0.0075 ppm	20.1396 ppm	0.0637 ppm	0.0307 ppm	0.1724 ppm	0.0010 ppm	18.2533 ppm
Concentration RSD	0.9 %	0.4 %	1.5 %	1.7 %	0.3 %	0.8 %	0.3 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0036 ppm	0.0633 ppm	0.1337 ppm	0.2082 ppm	475.2989 [SIC 700]	2.5176 ppm	0.0216 ppm
Concentration per Run 1	0.0038 ppm	0.0629 ppm	0.1341 ppm	0.2084 ppm	474.7023 ppm	2.4959 ppm	0.0214 ppm
Concentration per Run 2	0.0036 ppm	0.0635 ppm	0.1335 ppm	0.2078 ppm	475.8807 ppm	2.5493 ppm	0.0221 ppm
Concentration per Run 3	0.0034 ppm	0.0635 ppm	0.1335 ppm	0.2083 ppm	475.3136 ppm	2.5075 ppm	0.0212 ppm
Concentration RSD	6.1 %	0.6 %	0.2 %	0.1 %	0.1 %	1.1 %	2.0 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	10.3281 ppm	13.0286 ppm	0.0025 ppm	0.3049 ppm	0.0817 ppm	0.1110 ppm	-0.0081 ppm
Concentration per Run 1	10.3512 ppm	13.0376 ppm	0.0025 ppm	0.3035 ppm	0.0820 ppm	0.1113 ppm	-0.0098 ppm
Concentration per Run 2	10.3406 ppm	13.0457 ppm	0.0023 ppm	0.3087 ppm	0.0808 ppm	0.1097 ppm	-0.0082 ppm
Concentration per Run 3	10.2923 ppm	13.0027 ppm	0.0026 ppm	0.3026 ppm	0.0821 ppm	0.1119 ppm	-0.0063 ppm
Concentration RSD	0.3 %	0.2 %	5.5 %	1.1 %	0.9 %	1.0 %	22.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0039 ppm	1.9203 ppm	0.0173 ppm	0.1204 ppm	2.9512 ppm	-0.0070 ppm	0.6547 ppm
Concentration per Run 1	-0.0042 ppm	1.9204 ppm	0.0177 ppm	0.1203 ppm	2.9560 ppm	-0.0084 ppm	0.6553 ppm
Concentration per Run 2	-0.0017 ppm	1.9262 ppm	0.0174 ppm	0.1206 ppm	2.9544 ppm	-0.0062 ppm	0.6555 ppm
Concentration per Run 3	-0.0059 ppm	1.9141 ppm	0.0169 ppm	0.1203 ppm	2.9431 ppm	-0.0064 ppm	0.6534 ppm
Concentration RSD	52.8 %	0.3 %	2.4 %	0.1 %	0.2 %	17.0 %	0.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0823 ppm	96.0389 %	97.3710 %	76.8342 %	94.5190 %	98.6391 %	94.1766 %
Concentration per Run 1	0.0831 ppm	95.9163 %	97.7884 %	76.5449 %	94.3076 %	98.5151 %	94.4052 %
Concentration per Run 2	0.0819 ppm	95.7799 %	97.3729 %	77.2222 %	94.2244 %	98.9260 %	94.1062 %
Concentration per Run 3	0.0820 ppm	96.4204 %	96.9516 %	76.7354 %	95.0248 %	98.4764 %	94.0185 %
Concentration RSD	0.8 %	0.4 %	0.4 %	0.5 %	0.5 %	0.3 %	0.2 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: L2537937-06d4 WG2082820
 Analysis started at: 6/30/2025 3:53:35 PM
 Rack: 2
 Vial: 7
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0025 ppm	56.1604 ppm	0.1236 ppm	0.1073 ppm	2.2083 ppm	0.0038 ppm	291.5474 ppm
Concentration per Run 1	-0.0033 ppm	56.2388 ppm	0.1232 ppm	0.1074 ppm	2.2223 ppm	0.0038 ppm	292.9581 ppm
Concentration per Run 2	-0.0023 ppm	56.1181 ppm	0.1232 ppm	0.1069 ppm	2.1912 ppm	0.0037 ppm	291.6663 ppm
Concentration per Run 3	-0.0019 ppm	56.1244 ppm	0.1244 ppm	0.1074 ppm	2.2114 ppm	0.0038 ppm	290.0177 ppm
Concentration RSD	27.9 %	0.1 %	0.5 %	0.3 %	0.7 %	0.6 %	0.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0334 ppm	0.0532 ppm	1.2072 ppm	2.3006 ppm	563.1741 [SIC 700]	2.8717 ppm	0.0447 ppm
Concentration per Run 1	0.0337 ppm	0.0537 ppm	1.2080 ppm	2.2997 ppm	566.1118 ppm	2.8965 ppm	0.0454 ppm
Concentration per Run 2	0.0334 ppm	0.0532 ppm	1.2044 ppm	2.2973 ppm	561.9710 ppm	2.8435 ppm	0.0440 ppm
Concentration per Run 3	0.0330 ppm	0.0526 ppm	1.2093 ppm	2.3047 ppm	561.4395 ppm	2.8751 ppm	0.0448 ppm
Concentration RSD	1.0 %	1.0 %	0.2 %	0.2 %	0.5 %	0.9 %	1.6 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	29.1818 ppm	12.3379 ppm	0.0705 ppm	1.1722 ppm	0.4756 ppm	2.3660 ppm	0.0143 ppm
Concentration per Run 1	29.2454 ppm	12.3712 ppm	0.0707 ppm	1.1796 ppm	0.4793 ppm	2.3743 ppm	0.0153 ppm
Concentration per Run 2	29.1513 ppm	12.3180 ppm	0.0705 ppm	1.1703 ppm	0.4731 ppm	2.3635 ppm	0.0136 ppm
Concentration per Run 3	29.1487 ppm	12.3246 ppm	0.0704 ppm	1.1667 ppm	0.4743 ppm	2.3602 ppm	0.0140 ppm
Concentration RSD	0.2 %	0.2 %	0.2 %	0.6 %	0.7 %	0.3 %	6.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0043 ppm	11.8194 ppm	0.1458 ppm	0.4699 ppm	2.2158 ppm	-0.0098 ppm	0.1589 ppm
Concentration per Run 1	0.0030 ppm	11.9116 ppm	0.1459 ppm	0.4710 ppm	2.2201 ppm	-0.0120 ppm	0.1585 ppm
Concentration per Run 2	0.0047 ppm	11.7746 ppm	0.1457 ppm	0.4683 ppm	2.2069 ppm	-0.0086 ppm	0.1592 ppm
Concentration per Run 3	0.0053 ppm	11.7721 ppm	0.1459 ppm	0.4705 ppm	2.2205 ppm	-0.0089 ppm	0.1589 ppm
Concentration RSD	28.5 %	0.7 %	0.1 %	0.3 %	0.4 %	18.9 %	0.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	6.3119 ppm	89.5320 %	93.7117 %	66.9549 %	92.8928 %	100.0220 %	91.4917 %
Concentration per Run 1	6.3263 ppm	89.2639 %	93.8713 %	66.5494 %	92.5136 %	100.7014 %	90.8915 %
Concentration per Run 2	6.3338 ppm	89.6893 %	94.0051 %	67.6961 %	93.1263 %	100.3531 %	92.5416 %
Concentration per Run 3	6.2755 ppm	89.6429 %	93.2587 %	66.6190 %	93.0384 %	99.0114 %	91.0420 %
Concentration RSD	0.5 %	0.3 %	0.4 %	1.0 %	0.4 %	0.9 %	1.0 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: CCV
Analysis started at: 6/30/2025 3:56:47 PM
Rack: 0
Vial: 3
Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.4982 ppm	0.4806 ppm	0.4902 ppm	0.4668 ppm	0.5081 ppm	0.4996 ppm	0.4908 ppm
Concentration per Run 1	0.5001 ppm	0.4835 ppm	0.4896 ppm	0.4688 ppm	0.5077 ppm	0.4996 ppm	0.4925 ppm
Concentration per Run 2	0.4992 ppm	0.4809 ppm	0.4914 ppm	0.4665 ppm	0.5093 ppm	0.4988 ppm	0.4867 ppm
Concentration per Run 3	0.4954 ppm	0.4772 ppm	0.4898 ppm	0.4651 ppm	0.5072 ppm	0.5005 ppm	0.4930 ppm
Recovery Percentage 1	99.647 %	96.110 %	98.048 %	93.360 %	101.614 %	99.922 %	98.150 %
Concentration RSD	0.5 %	0.7 %	0.2 %	0.4 %	0.2 %	0.2 %	0.7 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.4609 ppm	0.4802 ppm	0.4813 ppm	0.5027 ppm	0.5138 ppm	5.3291 ppm	0.5321 ppm
Concentration per Run 1	0.4645 ppm	0.4837 ppm	0.4827 ppm	0.5043 ppm	0.5117 ppm	5.2574 ppm	0.5268 ppm
Concentration per Run 2	0.4619 ppm	0.4813 ppm	0.4823 ppm	0.5030 ppm	0.5134 ppm	5.4261 ppm	0.5425 ppm
Concentration per Run 3	0.4563 ppm	0.4756 ppm	0.4789 ppm	0.5007 ppm	0.5165 ppm	5.3037 ppm	0.5271 ppm
Recovery Percentage 1	92.181 %	96.034 %	96.264 %	100.538 %	102.769 %	106.582 %	106.426 %
Concentration RSD	0.9 %	0.9 %	0.4 %	0.4 %	0.5 %	1.6 %	1.7 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.4815 ppm	0.4980 ppm	0.4646 ppm	10.3397 ppm	0.4914 ppm	0.5208 ppm	0.4999 ppm
Concentration per Run 1	0.4818 ppm	0.4980 ppm	0.4659 ppm	10.1676 ppm	0.4932 ppm	0.5228 ppm	0.5027 ppm
Concentration per Run 2	0.4830 ppm	0.4960 ppm	0.4652 ppm	10.5385 ppm	0.4926 ppm	0.5208 ppm	0.5049 ppm
Concentration per Run 3	0.4798 ppm	0.5001 ppm	0.4627 ppm	10.3131 ppm	0.4882 ppm	0.5187 ppm	0.4921 ppm
Recovery Percentage 1	96.301 %	99.605 %	92.918 %	103.397 %	98.270 %	104.161 %	99.981 %
Concentration RSD	0.3 %	0.4 %	0.4 %	1.8 %	0.6 %	0.4 %	1.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.4983 ppm	5.1350 ppm	0.4763 ppm	0.5042 ppm	0.4800 ppm	0.5230 ppm	0.4924 ppm
Concentration per Run 1	0.4984 ppm	5.1571 ppm	0.4793 ppm	0.5047 ppm	0.4819 ppm	0.5238 ppm	0.4947 ppm
Concentration per Run 2	0.5023 ppm	5.1512 ppm	0.4756 ppm	0.5047 ppm	0.4810 ppm	0.5253 ppm	0.4935 ppm
Concentration per Run 3	0.4943 ppm	5.0966 ppm	0.4738 ppm	0.5031 ppm	0.4772 ppm	0.5198 ppm	0.4890 ppm
Recovery Percentage 1	99.667 %	97.809 %	95.253 %	100.834 %	96.004 %	104.595 %	98.478 %
Concentration RSD	0.8 %	0.6 %	0.6 %	0.2 %	0.5 %	0.5 %	0.6 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4713 ppm	99.9614 %	99.4779 %	94.5917 %	96.0905 %	97.7983 %	96.6062 %
Concentration per Run 1	0.4744 ppm	99.2294 %	99.0165 %	94.3645 %	95.6347 %	97.3794 %	96.4482 %
Concentration per Run 2	0.4710 ppm	99.8791 %	100.1282 %	94.5317 %	96.0827 %	98.1104 %	96.4628 %
Concentration per Run 3	0.4685 ppm	100.7757 %	99.2891 %	94.8788 %	96.5541 %	97.9050 %	96.9075 %
Recovery Percentage 1	94.255 %						
Concentration RSD	0.6 %	0.8 %	0.6 %	0.3 %	0.5 %	0.4 %	0.3 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: CCB
 Analysis started at: 6/30/2025 4:00:00 PM
 Rack: 0
 Vial: 4
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0002 ppm	-0.0044 ppm	0.0006 ppm	0.0006 ppm	0.0000 ppm	0.0000 ppm	0.0033 ppm
Concentration per Run 1	0.0002 ppm	-0.0045 ppm	0.0013 ppm	0.0008 ppm	0.0000 ppm	0.0000 ppm	0.0041 ppm
Concentration per Run 2	0.0004 ppm	-0.0036 ppm	0.0003 ppm	-0.0002 ppm	0.0001 ppm	0.0000 ppm	0.0022 ppm
Concentration per Run 3	0.0000 ppm	-0.0050 ppm	0.0001 ppm	0.0012 ppm	0.0000 ppm	0.0000 ppm	0.0035 ppm
Recovery Percentage 1	3.198 %	-4.365 %	11.597 %	1.978 %	0.445 %	0.452 %	3.282 %
Concentration RSD	89.1 %	16.7 %	115.3 %	124.4 %	139.2 %	82.5 %	30.3 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0000 ppm	0.0001 ppm	0.0003 ppm	0.0000 ppm	0.0051 ppm	-0.0016 ppm	0.0012 ppm
Concentration per Run 1	-0.0001 ppm	0.0002 ppm	0.0001 ppm	0.0003 ppm	0.0061 ppm	-0.0049 ppm	0.0014 ppm
Concentration per Run 2	0.0000 ppm	0.0003 ppm	0.0005 ppm	-0.0002 ppm	0.0041 ppm	-0.0018 ppm	0.0013 ppm
Concentration per Run 3	0.0000 ppm	-0.0001 ppm	0.0002 ppm	-0.0001 ppm	0.0050 ppm	0.0018 ppm	0.0009 ppm
Recovery Percentage 1	-0.640 %	0.548 %	2.976 %	0.213 %	10.146 %	-0.066 %	23.592 %
Concentration RSD	138.6 %	188.0 %	72.5 %	1,228.8 %	19.7 %	206.7 %	20.4 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0023 ppm	0.0003 ppm	0.0017 ppm	-0.0049 ppm	0.0002 ppm	-0.0003 ppm	0.0014 ppm
Concentration per Run 1	0.0016 ppm	0.0003 ppm	0.0017 ppm	-0.0040 ppm	0.0002 ppm	-0.0002 ppm	0.0017 ppm
Concentration per Run 2	0.0030 ppm	0.0003 ppm	0.0017 ppm	-0.0055 ppm	0.0006 ppm	-0.0001 ppm	0.0005 ppm
Concentration per Run 3	0.0023 ppm	0.0002 ppm	0.0018 ppm	-0.0052 ppm	-0.0003 ppm	-0.0007 ppm	0.0018 ppm
Recovery Percentage 1	2.305 %	2.656 %	3.479 %	-0.245 %	0.830 %	-3.246 %	2.720 %
Concentration RSD	29.6 %	14.3 %	4.6 %	16.9 %	215.2 %	103.8 %	55.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0028 ppm	-0.0027 ppm	0.0005 ppm	0.0000 ppm	0.0003 ppm	-0.0002 ppm	0.0001 ppm
Concentration per Run 1	0.0022 ppm	-0.0033 ppm	0.0004 ppm	0.0000 ppm	0.0003 ppm	0.0001 ppm	0.0002 ppm
Concentration per Run 2	0.0035 ppm	-0.0019 ppm	0.0008 ppm	0.0000 ppm	0.0001 ppm	-0.0009 ppm	0.0000 ppm
Concentration per Run 3	0.0027 ppm	-0.0030 ppm	0.0004 ppm	0.0000 ppm	0.0006 ppm	0.0003 ppm	0.0001 ppm
Recovery Percentage 1	28.338 %	-0.550 %	1.017 %	-0.268 %	3.422 %	-0.771 %	0.824 %
Concentration RSD	23.6 %	26.4 %	49.0 %	76.9 %	70.1 %	421.3 %	119.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0005 ppm	100.8636 %	99.2330 %	97.3690 %	99.3147 %	99.1124 %	99.1603 %
Concentration per Run 1	-0.0006 ppm	100.7470 %	99.5761 %	97.5176 %	99.4300 %	99.4263 %	99.3091 %
Concentration per Run 2	-0.0005 ppm	101.5134 %	99.0827 %	97.9539 %	99.7158 %	98.9460 %	99.2765 %
Concentration per Run 3	-0.0005 ppm	100.3305 %	99.0403 %	96.6354 %	98.7984 %	98.9649 %	98.8954 %
Recovery Percentage 1	-10.951 %						
Concentration RSD	17.2 %	0.6 %	0.3 %	0.7 %	0.5 %	0.3 %	0.2 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: WG2085201-1 WG2085201
 Analysis started at: 6/30/2025 4:13:55 PM
 Rack: 2
 Vial: 8
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0001 ppm	-0.0019 ppm	-0.0007 ppm	0.0002 ppm	0.0001 ppm	0.0000 ppm	0.0072 ppm
Concentration per Run 1	0.0001 ppm	0.0000 ppm	0.0004 ppm	0.0005 ppm	0.0001 ppm	0.0000 ppm	0.0061 ppm
Concentration per Run 2	0.0000 ppm	-0.0032 ppm	-0.0018 ppm	-0.0006 ppm	0.0001 ppm	0.0000 ppm	0.0087 ppm
Concentration per Run 3	0.0003 ppm	-0.0024 ppm	-0.0006 ppm	0.0008 ppm	0.0002 ppm	0.0000 ppm	0.0068 ppm
Recovery Percentage 1	1.778 %	-1.871 %	-13.250 %	0.768 %	1.399 %	0.263 %	7.202 %
Concentration RSD	106.7 %	87.7 %	171.1 %	320.3 %	7.4 %	3.6 %	19.1 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0001 ppm	0.0000 ppm	0.0003 ppm	0.0002 ppm	0.0031 ppm	0.0013 ppm	0.0007 ppm
Concentration per Run 1	-0.0001 ppm	-0.0003 ppm	0.0004 ppm	0.0002 ppm	0.0022 ppm	0.0045 ppm	0.0006 ppm
Concentration per Run 2	-0.0001 ppm	0.0003 ppm	0.0000 ppm	0.0002 ppm	0.0036 ppm	0.0046 ppm	0.0007 ppm
Concentration per Run 3	0.0000 ppm	-0.0001 ppm	0.0004 ppm	0.0003 ppm	0.0036 ppm	-0.0053 ppm	0.0009 ppm
Recovery Percentage 1	-1.630 %	-0.141 %	2.691 %	2.178 %	6.295 %	0.051 %	14.864 %
Concentration RSD	71.5 %	957.3 %	90.4 %	34.3 %	26.0 %	451.6 %	15.8 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0034 ppm	0.0002 ppm	0.0002 ppm	0.0040 ppm	0.0003 ppm	-0.0006 ppm	0.0005 ppm
Concentration per Run 1	0.0026 ppm	0.0001 ppm	0.0001 ppm	0.0050 ppm	0.0011 ppm	-0.0002 ppm	0.0008 ppm
Concentration per Run 2	0.0032 ppm	0.0003 ppm	0.0000 ppm	0.0040 ppm	-0.0001 ppm	-0.0007 ppm	-0.0022 ppm
Concentration per Run 3	0.0046 ppm	0.0001 ppm	0.0003 ppm	0.0030 ppm	0.0000 ppm	-0.0009 ppm	0.0030 ppm
Recovery Percentage 1	3.443 %	1.638 %	0.304 %	0.199 %	1.306 %	-6.029 %	1.063 %
Concentration RSD	29.5 %	53.4 %	92.3 %	24.1 %	202.7 %	62.8 %	487.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0013 ppm	0.0034 ppm	-0.0002 ppm	0.0000 ppm	0.0001 ppm	0.0003 ppm	-0.0001 ppm
Concentration per Run 1	0.0020 ppm	0.0040 ppm	-0.0003 ppm	0.0000 ppm	0.0001 ppm	-0.0002 ppm	-0.0001 ppm
Concentration per Run 2	0.0009 ppm	0.0032 ppm	0.0002 ppm	0.0000 ppm	0.0002 ppm	0.0007 ppm	-0.0001 ppm
Concentration per Run 3	0.0010 ppm	0.0031 ppm	-0.0006 ppm	0.0000 ppm	-0.0001 ppm	0.0003 ppm	0.0000 ppm
Recovery Percentage 1	12.722 %	0.685 %	-0.410 %	-0.018 %	0.784 %	1.302 %	-0.637 %
Concentration RSD	46.4 %	13.5 %	194.7 %	936.2 %	158.4 %	178.4 %	51.4 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0006 ppm	100.6213 %	99.6265 %	99.7330 %	99.5534 %	99.5420 %	99.2017 %
Concentration per Run 1	0.0006 ppm	100.3935 %	99.6932 %	98.9144 %	99.2767 %	99.8399 %	98.4748 %
Concentration per Run 2	0.0006 ppm	100.9263 %	99.8010 %	99.6815 %	99.7640 %	99.1875 %	99.7369 %
Concentration per Run 3	0.0006 ppm	100.5441 %	99.3854 %	100.6033 %	99.6197 %	99.5984 %	99.3933 %
Recovery Percentage 1	11.991 %						
Concentration RSD	3.1 %	0.3 %	0.2 %	0.8 %	0.3 %	0.3 %	0.7 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: WG2085201-2 WG2085201
 Analysis started at: 6/30/2025 4:17:14 PM
 Rack: 2
 Vial: 9
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0552 ppm	2.3112 ppm	0.1211 ppm	0.9397 ppm	2.2559 ppm	0.0544 ppm	9.9613 ppm
Concentration per Run 1	0.0549 ppm	2.3290 ppm	0.1207 ppm	0.9323 ppm	2.2791 ppm	0.0546 ppm	9.9582 ppm
Concentration per Run 2	0.0556 ppm	2.3030 ppm	0.1234 ppm	0.9519 ppm	2.2449 ppm	0.0543 ppm	10.0022 ppm
Concentration per Run 3	0.0549 ppm	2.3016 ppm	0.1193 ppm	0.9348 ppm	2.2436 ppm	0.0541 ppm	9.9236 ppm
Concentration RSD	0.7 %	0.7 %	1.7 %	1.1 %	0.9 %	0.5 %	0.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0484 ppm	0.5186 ppm	0.2089 ppm	0.2757 ppm	1.0932 ppm	11.5293 ppm	0.0008 ppm
Concentration per Run 1	0.0484 ppm	0.5190 ppm	0.2081 ppm	0.2750 ppm	1.0990 ppm	11.7660 ppm	0.0009 ppm
Concentration per Run 2	0.0485 ppm	0.5187 ppm	0.2102 ppm	0.2770 ppm	1.0919 ppm	11.4639 ppm	0.0009 ppm
Concentration per Run 3	0.0484 ppm	0.5181 ppm	0.2085 ppm	0.2752 ppm	1.0888 ppm	11.3578 ppm	0.0007 ppm
Concentration RSD	0.2 %	0.1 %	0.5 %	0.4 %	0.5 %	1.8 %	9.6 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	9.6953 ppm	0.5386 ppm	0.9389 ppm	11.6281 ppm	0.5360 ppm	0.5443 ppm	0.4056 ppm
Concentration per Run 1	9.6966 ppm	0.5400 ppm	0.9338 ppm	11.7924 ppm	0.5350 ppm	0.5421 ppm	0.3970 ppm
Concentration per Run 2	9.6848 ppm	0.5393 ppm	0.9453 ppm	11.5339 ppm	0.5407 ppm	0.5422 ppm	0.4089 ppm
Concentration per Run 3	9.7046 ppm	0.5364 ppm	0.9377 ppm	11.5578 ppm	0.5324 ppm	0.5485 ppm	0.4110 ppm
Concentration RSD	0.1 %	0.3 %	0.6 %	1.2 %	0.8 %	0.7 %	1.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.1228 ppm	0.9763 ppm	0.9516 ppm	0.9848 ppm	0.9678 ppm	0.1239 ppm	0.5480 ppm
Concentration per Run 1	0.1221 ppm	0.9754 ppm	0.9474 ppm	0.9963 ppm	0.9660 ppm	0.1242 ppm	0.5480 ppm
Concentration per Run 2	0.1238 ppm	0.9839 ppm	0.9607 ppm	0.9783 ppm	0.9701 ppm	0.1234 ppm	0.5489 ppm
Concentration per Run 3	0.1226 ppm	0.9696 ppm	0.9468 ppm	0.9799 ppm	0.9671 ppm	0.1241 ppm	0.5472 ppm
Concentration RSD	0.7 %	0.7 %	0.8 %	1.0 %	0.2 %	0.4 %	0.1 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5235 ppm	98.2810 %	99.1700 %	93.0848 %	95.0340 %	97.4053 %	95.4927 %
Concentration per Run 1	0.5222 ppm	98.7959 %	98.5900 %	92.3899 %	95.3619 %	97.4367 %	94.6849 %
Concentration per Run 2	0.5261 ppm	97.7760 %	98.8217 %	93.3064 %	94.5705 %	96.9705 %	95.2991 %
Concentration per Run 3	0.5221 ppm	98.2712 %	100.0983 %	93.5580 %	95.1697 %	97.8089 %	96.4942 %
Concentration RSD	0.4 %	0.5 %	0.8 %	0.7 %	0.4 %	0.4 %	1.0 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: L2537636-01 WG2085201
 Analysis started at: 6/30/2025 4:20:27 PM
 Rack: 2
 Vial: 15
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0000 ppm	0.9502 ppm	-0.0012 ppm	0.6166 ppm	0.0139 ppm	0.0000 ppm	4.5705 ppm
Concentration per Run 1	0.0002 ppm	0.9484 ppm	-0.0022 ppm	0.6150 ppm	0.0139 ppm	0.0000 ppm	4.5965 ppm
Concentration per Run 2	-0.0002 ppm	0.9548 ppm	0.0001 ppm	0.6208 ppm	0.0140 ppm	0.0000 ppm	4.5626 ppm
Concentration per Run 3	-0.0001 ppm	0.9474 ppm	-0.0016 ppm	0.6139 ppm	0.0140 ppm	0.0000 ppm	4.5525 ppm
Concentration RSD	393.1 %	0.4 %	94.8 %	0.6 %	0.6 %	110.0 %	0.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0001 ppm	0.0006 ppm	0.0120 ppm	0.0200 ppm	0.5175 ppm	1.6682 ppm	0.0031 ppm
Concentration per Run 1	0.0001 ppm	0.0007 ppm	0.0119 ppm	0.0198 ppm	0.5194 ppm	1.6701 ppm	0.0030 ppm
Concentration per Run 2	0.0001 ppm	0.0004 ppm	0.0121 ppm	0.0201 ppm	0.5164 ppm	1.6727 ppm	0.0033 ppm
Concentration per Run 3	0.0000 ppm	0.0006 ppm	0.0120 ppm	0.0200 ppm	0.5168 ppm	1.6618 ppm	0.0030 ppm
Concentration RSD	42.9 %	26.0 %	0.8 %	0.8 %	0.3 %	0.3 %	5.5 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	1.2834 ppm	0.0903 ppm	0.0057 ppm	230.1470 [SIC 500]	0.2719 ppm	0.0074 ppm	0.0085 ppm
Concentration per Run 1	1.2780 ppm	0.0907 ppm	0.0060 ppm	228.5507 ppm	0.2717 ppm	0.0066 ppm	0.0095 ppm
Concentration per Run 2	1.2867 ppm	0.0902 ppm	0.0058 ppm	231.7047 ppm	0.2733 ppm	0.0075 ppm	0.0087 ppm
Concentration per Run 3	1.2854 ppm	0.0901 ppm	0.0053 ppm	230.1855 ppm	0.2705 ppm	0.0081 ppm	0.0074 ppm
Concentration RSD	0.4 %	0.3 %	6.4 %	0.7 %	0.5 %	9.8 %	12.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0007 ppm	2.3133 ppm	0.0073 ppm	0.0357 ppm	0.0019 ppm	0.0001 ppm	0.0012 ppm
Concentration per Run 1	0.0015 ppm	2.3049 ppm	0.0070 ppm	0.0358 ppm	0.0018 ppm	0.0000 ppm	0.0012 ppm
Concentration per Run 2	-0.0002 ppm	2.3287 ppm	0.0074 ppm	0.0357 ppm	0.0020 ppm	-0.0003 ppm	0.0012 ppm
Concentration per Run 3	0.0007 ppm	2.3064 ppm	0.0075 ppm	0.0357 ppm	0.0017 ppm	0.0008 ppm	0.0012 ppm
Concentration RSD	123.0 %	0.6 %	3.3 %	0.1 %	7.6 %	410.9 %	1.0 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.1600 ppm	92.0607 %	97.0867 %	83.6542 %	88.3847 %	94.9891 %	90.4741 %
Concentration per Run 1	0.1602 ppm	92.3127 %	97.0645 %	84.8027 %	88.5570 %	95.1160 %	91.1994 %
Concentration per Run 2	0.1604 ppm	91.5876 %	96.6293 %	82.8580 %	88.1192 %	94.7078 %	89.8800 %
Concentration per Run 3	0.1592 ppm	92.2818 %	97.5664 %	83.3018 %	88.4779 %	95.1434 %	90.3428 %
Concentration RSD	0.4 %	0.4 %	0.5 %	1.2 %	0.3 %	0.3 %	0.7 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: L2540851-01 WG2085201
 Analysis started at: 6/30/2025 4:23:40 PM
 Rack: 2
 Vial: 16
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0006 ppm	0.4511 ppm	0.0056 ppm	3.9914 ppm	0.0056 ppm	0.0001 ppm	326.6180 ppm
Concentration per Run 1	-0.0003 ppm	0.4430 ppm	0.0038 ppm	3.9829 ppm	0.0055 ppm	0.0001 ppm	327.7509 ppm
Concentration per Run 2	-0.0009 ppm	0.4605 ppm	0.0046 ppm	4.0000 ppm	0.0058 ppm	0.0001 ppm	324.8780 ppm
Concentration per Run 3	-0.0007 ppm	0.4498 ppm	0.0083 ppm	3.9913 ppm	0.0055 ppm	0.0001 ppm	327.2250 ppm
Concentration RSD	51.7 %	1.9 %	43.6 %	0.2 %	3.4 %	5.8 %	0.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0020 ppm	0.0006 ppm	0.0011 ppm	0.0124 ppm	0.5504 ppm	392.3115 ppm	0.1833 ppm
Concentration per Run 1	-0.0021 ppm	0.0005 ppm	0.0013 ppm	0.0122 ppm	0.5472 ppm	390.8952 ppm	0.1837 ppm
Concentration per Run 2	-0.0021 ppm	0.0007 ppm	0.0010 ppm	0.0125 ppm	0.5492 ppm	394.4776 ppm	0.1841 ppm
Concentration per Run 3	-0.0019 ppm	0.0008 ppm	0.0011 ppm	0.0125 ppm	0.5549 ppm	391.5618 ppm	0.1820 ppm
Concentration RSD	4.2 %	24.2 %	15.4 %	1.5 %	0.7 %	0.5 %	0.6 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	893.7267 [SIC 700]	0.0214 ppm	0.0096 ppm	2,483.4492 [SIC 500]	0.0022 ppm	0.0000 ppm	0.0036 ppm
Concentration per Run 1	900.5874 ppm	0.0212 ppm	0.0101 ppm	2,457.6494 ppm	0.0024 ppm	0.0003 ppm	0.0024 ppm
Concentration per Run 2	890.2755 ppm	0.0215 ppm	0.0094 ppm	2,516.3388 ppm	0.0027 ppm	-0.0003 ppm	0.0036 ppm
Concentration per Run 3	890.3172 ppm	0.0216 ppm	0.0094 ppm	2,476.3596 ppm	0.0015 ppm	-0.0001 ppm	0.0049 ppm
Concentration RSD	0.7 %	1.0 %	3.9 %	1.2 %	29.9 %	1,579.1 %	33.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0016 ppm	1.4886 ppm	0.0042 ppm	6.8099 ppm	0.0224 ppm	-0.0603 ppm	0.0027 ppm
Concentration per Run 1	0.0007 ppm	1.4950 ppm	0.0045 ppm	6.8115 ppm	0.0226 ppm	-0.0592 ppm	0.0028 ppm
Concentration per Run 2	0.0026 ppm	1.5024 ppm	0.0033 ppm	6.8108 ppm	0.0227 ppm	-0.0614 ppm	0.0026 ppm
Concentration per Run 3	0.0015 ppm	1.4684 ppm	0.0048 ppm	6.8075 ppm	0.0218 ppm	-0.0602 ppm	0.0025 ppm
Concentration RSD	60.6 %	1.2 %	19.5 %	0.0 %	2.1 %	1.8 %	5.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0003 ppm	54.7284 %	72.2776 %	41.4042 %	52.4238 %	70.4401 %	52.1610 %
Concentration per Run 1	0.0002 ppm	54.9200 %	72.4360 %	41.0464 %	52.5447 %	71.0374 %	51.9658 %
Concentration per Run 2	0.0001 ppm	54.4381 %	72.1289 %	41.7552 %	52.2049 %	70.1648 %	52.5698 %
Concentration per Run 3	0.0005 ppm	54.8270 %	72.2678 %	41.4109 %	52.5218 %	70.1180 %	51.9472 %
Concentration RSD	78.4 %	0.5 %	0.2 %	0.9 %	0.4 %	0.7 %	0.7 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: L2537415-01 WG2085201
 Analysis started at: 6/30/2025 4:26:53 PM
 Rack: 2
 Vial: 10
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0001 ppm	0.5740 ppm	-0.0006 ppm	0.0752 ppm	0.0344 ppm	0.0000 ppm	15.2328 ppm
Concentration per Run 1	-0.0002 ppm	0.5709 ppm	-0.0002 ppm	0.0756 ppm	0.0343 ppm	0.0000 ppm	15.2019 ppm
Concentration per Run 2	0.0002 ppm	0.5749 ppm	-0.0013 ppm	0.0739 ppm	0.0342 ppm	0.0000 ppm	15.2858 ppm
Concentration per Run 3	0.0002 ppm	0.5762 ppm	-0.0002 ppm	0.0761 ppm	0.0347 ppm	0.0000 ppm	15.2107 ppm
Concentration RSD	277.8 %	0.5 %	107.9 %	1.5 %	0.8 %	4,020.2 %	0.3 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0001 ppm	0.0000 ppm	0.0011 ppm	0.0074 ppm	0.0880 ppm	13.1290 ppm	0.0025 ppm
Concentration per Run 1	-0.0002 ppm	-0.0003 ppm	0.0011 ppm	0.0075 ppm	0.0884 ppm	13.1392 ppm	0.0028 ppm
Concentration per Run 2	0.0000 ppm	0.0005 ppm	0.0011 ppm	0.0072 ppm	0.0869 ppm	12.9971 ppm	0.0029 ppm
Concentration per Run 3	-0.0001 ppm	-0.0001 ppm	0.0011 ppm	0.0076 ppm	0.0886 ppm	13.2506 ppm	0.0018 ppm
Concentration RSD	97.2 %	879.2 %	0.8 %	2.4 %	1.1 %	1.0 %	23.4 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	3.7230 ppm	0.0404 ppm	0.0036 ppm	116.2838 [SIC 500]	0.0032 ppm	-0.0004 ppm	0.0004 ppm
Concentration per Run 1	3.7405 ppm	0.0403 ppm	0.0031 ppm	115.5785 ppm	0.0036 ppm	-0.0001 ppm	-0.0003 ppm
Concentration per Run 2	3.7203 ppm	0.0405 ppm	0.0038 ppm	115.4889 ppm	0.0030 ppm	-0.0011 ppm	0.0019 ppm
Concentration per Run 3	3.7082 ppm	0.0403 ppm	0.0040 ppm	117.7839 ppm	0.0030 ppm	-0.0002 ppm	-0.0004 ppm
Concentration RSD	0.4 %	0.2 %	11.9 %	1.1 %	12.3 %	126.9 %	329.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0016 ppm	6.2365 ppm	0.0011 ppm	0.1290 ppm	0.0028 ppm	0.0000 ppm	0.0004 ppm
Concentration per Run 1	0.0016 ppm	6.2391 ppm	0.0021 ppm	0.1285 ppm	0.0030 ppm	-0.0008 ppm	0.0006 ppm
Concentration per Run 2	0.0017 ppm	6.2037 ppm	0.0007 ppm	0.1287 ppm	0.0025 ppm	0.0003 ppm	0.0003 ppm
Concentration per Run 3	0.0015 ppm	6.2668 ppm	0.0005 ppm	0.1299 ppm	0.0029 ppm	0.0004 ppm	0.0003 ppm
Concentration RSD	6.2 %	0.5 %	76.0 %	0.6 %	9.7 %	2,586.1 %	40.9 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0185 ppm	94.4919 %	98.1083 %	86.7603 %	91.1741 %	96.2473 %	91.6931 %
Concentration per Run 1	0.0183 ppm	94.6725 %	97.9356 %	87.3672 %	91.3447 %	95.9382 %	91.7743 %
Concentration per Run 2	0.0188 ppm	94.4407 %	98.1025 %	86.5385 %	90.8632 %	96.2072 %	91.6580 %
Concentration per Run 3	0.0185 ppm	94.3626 %	98.2868 %	86.3753 %	91.3142 %	96.5964 %	91.6470 %
Concentration RSD	1.2 %	0.2 %	0.2 %	0.6 %	0.3 %	0.3 %	0.1 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: WG2085201-3 WG2085201
 Analysis started at: 6/30/2025 4:30:07 PM
 Rack: 2
 Vial: 11
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0555 ppm	2.9301 ppm	0.1268 ppm	1.0280 ppm	2.3146 ppm	0.0552 ppm	25.0437 ppm
Concentration per Run 1	0.0554 ppm	2.9176 ppm	0.1274 ppm	1.0331 ppm	2.3041 ppm	0.0552 ppm	25.0750 ppm
Concentration per Run 2	0.0553 ppm	2.9331 ppm	0.1252 ppm	1.0231 ppm	2.3225 ppm	0.0552 ppm	25.0353 ppm
Concentration per Run 3	0.0556 ppm	2.9396 ppm	0.1277 ppm	1.0278 ppm	2.3173 ppm	0.0552 ppm	25.0206 ppm
Concentration RSD	0.3 %	0.4 %	1.1 %	0.5 %	0.4 %	0.0 %	0.1 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0478 ppm	0.5067 ppm	0.2082 ppm	0.2844 ppm	1.1765 ppm	24.9186 ppm	0.0026 ppm
Concentration per Run 1	0.0482 ppm	0.5112 ppm	0.2096 ppm	0.2849 ppm	1.1770 ppm	24.3967 ppm	0.0030 ppm
Concentration per Run 2	0.0476 ppm	0.5035 ppm	0.2070 ppm	0.2840 ppm	1.1746 ppm	24.9716 ppm	0.0024 ppm
Concentration per Run 3	0.0475 ppm	0.5054 ppm	0.2079 ppm	0.2842 ppm	1.1778 ppm	25.3873 ppm	0.0023 ppm
Concentration RSD	0.8 %	0.8 %	0.6 %	0.2 %	0.1 %	2.0 %	14.9 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	12.8622 ppm	0.5722 ppm	0.9275 ppm	128.9870 [SIC 500]	0.5228 ppm	0.5441 ppm	0.4062 ppm
Concentration per Run 1	12.9452 ppm	0.5724 ppm	0.9293 ppm	127.1205 ppm	0.5258 ppm	0.5478 ppm	0.4039 ppm
Concentration per Run 2	12.7881 ppm	0.5722 ppm	0.9237 ppm	129.6747 ppm	0.5207 ppm	0.5423 ppm	0.4034 ppm
Concentration per Run 3	12.8534 ppm	0.5718 ppm	0.9296 ppm	130.1657 ppm	0.5218 ppm	0.5422 ppm	0.4112 ppm
Concentration RSD	0.6 %	0.1 %	0.4 %	1.3 %	0.5 %	0.6 %	1.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.1272 ppm	7.3493 ppm	0.9141 ppm	1.1132 ppm	0.9650 ppm	0.1203 ppm	0.5531 ppm
Concentration per Run 1	0.1282 ppm	7.3900 ppm	0.9227 ppm	1.1092 ppm	0.9679 ppm	0.1200 ppm	0.5548 ppm
Concentration per Run 2	0.1252 ppm	7.3123 ppm	0.9079 ppm	1.1159 ppm	0.9620 ppm	0.1206 ppm	0.5522 ppm
Concentration per Run 3	0.1281 ppm	7.3456 ppm	0.9117 ppm	1.1144 ppm	0.9651 ppm	0.1201 ppm	0.5523 ppm
Concentration RSD	1.3 %	0.5 %	0.8 %	0.3 %	0.3 %	0.3 %	0.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5446 ppm	94.1629 %	97.3263 %	84.0688 %	90.3104 %	95.5686 %	90.0014 %
Concentration per Run 1	0.5498 ppm	93.3942 %	97.3324 %	84.1344 %	89.5974 %	95.6020 %	90.3590 %
Concentration per Run 2	0.5415 ppm	94.8564 %	97.5406 %	84.1470 %	90.9874 %	95.7543 %	89.9818 %
Concentration per Run 3	0.5425 ppm	94.2381 %	97.1060 %	83.9250 %	90.3463 %	95.3496 %	89.6633 %
Concentration RSD	0.8 %	0.8 %	0.2 %	0.1 %	0.8 %	0.2 %	0.4 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: WG2085201-4 WG2085201
 Analysis started at: 6/30/2025 4:33:20 PM
 Rack: 2
 Vial: 12
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0002 ppm	0.5791 ppm	-0.0005 ppm	0.0744 ppm	0.0346 ppm	0.0000 ppm	15.4284 ppm
Concentration per Run 1	0.0000 ppm	0.5814 ppm	-0.0008 ppm	0.0737 ppm	0.0345 ppm	0.0000 ppm	15.4423 ppm
Concentration per Run 2	0.0001 ppm	0.5801 ppm	0.0000 ppm	0.0752 ppm	0.0346 ppm	0.0000 ppm	15.3670 ppm
Concentration per Run 3	0.0004 ppm	0.5758 ppm	-0.0007 ppm	0.0744 ppm	0.0346 ppm	0.0000 ppm	15.4759 ppm
Concentration RSD	95.5 %	0.5 %	79.6 %	1.0 %	0.2 %	104.2 %	0.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0001 ppm	0.0002 ppm	0.0013 ppm	0.0074 ppm	0.0882 ppm	13.0633 ppm	0.0027 ppm
Concentration per Run 1	-0.0001 ppm	0.0001 ppm	0.0008 ppm	0.0075 ppm	0.0880 ppm	13.0224 ppm	0.0028 ppm
Concentration per Run 2	-0.0001 ppm	0.0005 ppm	0.0015 ppm	0.0073 ppm	0.0874 ppm	13.2324 ppm	0.0029 ppm
Concentration per Run 3	-0.0001 ppm	0.0000 ppm	0.0015 ppm	0.0075 ppm	0.0894 ppm	12.9351 ppm	0.0026 ppm
Concentration RSD	13.4 %	113.3 %	31.1 %	1.7 %	1.2 %	1.2 %	5.7 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	3.7122 ppm	0.0407 ppm	0.0085 ppm	117.1707 [SIC 500]	0.0031 ppm	0.0002 ppm	0.0084 ppm
Concentration per Run 1	3.7351 ppm	0.0406 ppm	0.0091 ppm	117.0319 ppm	0.0029 ppm	0.0011 ppm	0.0074 ppm
Concentration per Run 2	3.6925 ppm	0.0408 ppm	0.0083 ppm	118.3751 ppm	0.0031 ppm	-0.0004 ppm	0.0080 ppm
Concentration per Run 3	3.7090 ppm	0.0408 ppm	0.0081 ppm	116.1052 ppm	0.0032 ppm	0.0001 ppm	0.0097 ppm
Concentration RSD	0.6 %	0.3 %	6.1 %	1.0 %	6.1 %	330.1 %	14.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0026 ppm	6.2646 ppm	0.0069 ppm	0.1296 ppm	0.0034 ppm	-0.0011 ppm	0.0004 ppm
Concentration per Run 1	0.0024 ppm	6.2815 ppm	0.0064 ppm	0.1295 ppm	0.0034 ppm	-0.0008 ppm	0.0004 ppm
Concentration per Run 2	0.0023 ppm	6.2355 ppm	0.0076 ppm	0.1299 ppm	0.0031 ppm	-0.0011 ppm	0.0004 ppm
Concentration per Run 3	0.0032 ppm	6.2769 ppm	0.0066 ppm	0.1294 ppm	0.0037 ppm	-0.0013 ppm	0.0004 ppm
Concentration RSD	18.3 %	0.4 %	9.1 %	0.2 %	8.7 %	22.0 %	10.7 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0228 ppm	95.2700 %	98.1788 %	87.1344 %	91.7097 %	96.5701 %	92.2359 %
Concentration per Run 1	0.0228 ppm	95.4215 %	97.9515 %	86.9731 %	92.0488 %	96.6120 %	92.0827 %
Concentration per Run 2	0.0226 ppm	95.5254 %	98.6032 %	86.9386 %	91.6806 %	96.7458 %	92.5505 %
Concentration per Run 3	0.0229 ppm	94.8632 %	97.9816 %	87.4915 %	91.3998 %	96.3525 %	92.0743 %
Concentration RSD	0.6 %	0.4 %	0.4 %	0.4 %	0.4 %	0.2 %	0.3 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: WG2085201-5 WG2085201
 Analysis started at: 6/30/2025 4:36:34 PM
 Rack: 2
 Vial: 13
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0527 ppm	2.7781 ppm	0.1223 ppm	1.0096 ppm	2.1996 ppm	0.0525 ppm	24.1715 ppm
Concentration per Run 1	0.0526 ppm	2.8083 ppm	0.1224 ppm	1.0084 ppm	2.2073 ppm	0.0526 ppm	24.2650 ppm
Concentration per Run 2	0.0532 ppm	2.7692 ppm	0.1226 ppm	1.0139 ppm	2.1981 ppm	0.0525 ppm	24.1731 ppm
Concentration per Run 3	0.0524 ppm	2.7569 ppm	0.1219 ppm	1.0065 ppm	2.1935 ppm	0.0523 ppm	24.0763 ppm
Concentration RSD	0.8 %	1.0 %	0.3 %	0.4 %	0.3 %	0.3 %	0.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0458 ppm	0.4835 ppm	0.1979 ppm	0.2712 ppm	1.1197 ppm	24.2468 ppm	0.0028 ppm
Concentration per Run 1	0.0463 ppm	0.4867 ppm	0.1971 ppm	0.2729 ppm	1.1239 ppm	24.7150 ppm	0.0031 ppm
Concentration per Run 2	0.0457 ppm	0.4846 ppm	0.1998 ppm	0.2703 ppm	1.1205 ppm	24.0076 ppm	0.0026 ppm
Concentration per Run 3	0.0454 ppm	0.4791 ppm	0.1969 ppm	0.2703 ppm	1.1148 ppm	24.0177 ppm	0.0027 ppm
Concentration RSD	1.0 %	0.8 %	0.8 %	0.6 %	0.4 %	1.7 %	8.9 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	12.5935 ppm	0.5428 ppm	0.9027 ppm	124.8408 [SIC 500]	0.4986 ppm	0.5292 ppm	0.3285 ppm
Concentration per Run 1	12.5407 ppm	0.5438 ppm	0.9009 ppm	127.0170 ppm	0.4984 ppm	0.5320 ppm	0.3234 ppm
Concentration per Run 2	12.7261 ppm	0.5448 ppm	0.9070 ppm	123.4848 ppm	0.5021 ppm	0.5279 ppm	0.3285 ppm
Concentration per Run 3	12.5138 ppm	0.5399 ppm	0.9003 ppm	124.0206 ppm	0.4952 ppm	0.5277 ppm	0.3336 ppm
Concentration RSD	0.9 %	0.5 %	0.4 %	1.5 %	0.7 %	0.5 %	1.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.1237 ppm	6.8884 ppm	0.9024 ppm	1.0873 ppm	0.9448 ppm	0.1168 ppm	0.5265 ppm
Concentration per Run 1	0.1237 ppm	6.8856 ppm	0.9021 ppm	1.0911 ppm	0.9432 ppm	0.1173 ppm	0.5271 ppm
Concentration per Run 2	0.1253 ppm	6.9344 ppm	0.9053 ppm	1.0869 ppm	0.9500 ppm	0.1149 ppm	0.5285 ppm
Concentration per Run 3	0.1221 ppm	6.8451 ppm	0.8999 ppm	1.0840 ppm	0.9411 ppm	0.1181 ppm	0.5238 ppm
Concentration RSD	1.3 %	0.6 %	0.3 %	0.3 %	0.5 %	1.4 %	0.5 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5192 ppm	94.3650 %	97.8694 %	85.0203 %	90.6549 %	95.9524 %	91.0759 %
Concentration per Run 1	0.5191 ppm	94.3153 %	97.8534 %	84.6154 %	90.8547 %	96.2849 %	90.9266 %
Concentration per Run 2	0.5246 ppm	94.2787 %	98.0156 %	85.3360 %	90.5148 %	96.0624 %	91.2829 %
Concentration per Run 3	0.5141 ppm	94.5011 %	97.7391 %	85.1093 %	90.5952 %	95.5100 %	91.0183 %
Concentration RSD	1.0 %	0.1 %	0.1 %	0.4 %	0.2 %	0.4 %	0.2 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: WG2085201-6d5 WG2085201
 Analysis started at: 6/30/2025 4:39:48 PM
 Rack: 2
 Vial: 14
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0002 ppm	0.1097 ppm	-0.0006 ppm	0.0147 ppm	0.0069 ppm	0.0000 ppm	3.0225 ppm
Concentration per Run 1	0.0002 ppm	0.1101 ppm	-0.0016 ppm	0.0138 ppm	0.0070 ppm	0.0000 ppm	3.0146 ppm
Concentration per Run 2	0.0002 ppm	0.1065 ppm	0.0004 ppm	0.0154 ppm	0.0068 ppm	0.0000 ppm	3.0239 ppm
Concentration per Run 3	0.0003 ppm	0.1126 ppm	-0.0006 ppm	0.0148 ppm	0.0068 ppm	0.0000 ppm	3.0289 ppm
Concentration RSD	31.0 %	2.8 %	170.7 %	5.4 %	1.4 %	128.2 %	0.2 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0001 ppm	-0.0001 ppm	0.0003 ppm	0.0015 ppm	0.0196 ppm	2.5047 ppm	0.0013 ppm
Concentration per Run 1	0.0000 ppm	-0.0001 ppm	0.0004 ppm	0.0016 ppm	0.0197 ppm	2.5451 ppm	0.0016 ppm
Concentration per Run 2	0.0000 ppm	0.0001 ppm	0.0002 ppm	0.0015 ppm	0.0194 ppm	2.4805 ppm	0.0009 ppm
Concentration per Run 3	-0.0002 ppm	-0.0002 ppm	0.0003 ppm	0.0014 ppm	0.0198 ppm	2.4886 ppm	0.0015 ppm
Concentration RSD	140.2 %	215.4 %	26.6 %	7.0 %	1.1 %	1.4 %	26.9 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.7359 ppm	0.0080 ppm	0.0065 ppm	23.9665 ppm	0.0010 ppm	-0.0009 ppm	0.0181 ppm
Concentration per Run 1	0.7379 ppm	0.0081 ppm	0.0067 ppm	24.2800 ppm	0.0009 ppm	-0.0019 ppm	0.0190 ppm
Concentration per Run 2	0.7371 ppm	0.0080 ppm	0.0069 ppm	23.8864 ppm	0.0018 ppm	-0.0003 ppm	0.0180 ppm
Concentration per Run 3	0.7328 ppm	0.0080 ppm	0.0060 ppm	23.7330 ppm	0.0003 ppm	-0.0004 ppm	0.0172 ppm
Concentration RSD	0.4 %	0.4 %	7.3 %	1.2 %	74.6 %	101.0 %	5.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0013 ppm	1.1773 ppm	0.0137 ppm	0.0253 ppm	0.0013 ppm	0.0000 ppm	0.0002 ppm
Concentration per Run 1	0.0003 ppm	1.1832 ppm	0.0138 ppm	0.0255 ppm	0.0012 ppm	0.0008 ppm	0.0003 ppm
Concentration per Run 2	0.0024 ppm	1.1728 ppm	0.0133 ppm	0.0252 ppm	0.0013 ppm	-0.0010 ppm	0.0002 ppm
Concentration per Run 3	0.0010 ppm	1.1760 ppm	0.0141 ppm	0.0253 ppm	0.0012 ppm	0.0002 ppm	0.0001 ppm
Concentration RSD	84.5 %	0.5 %	2.9 %	0.6 %	4.4 %	3,143.7 %	41.1 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0038 ppm	100.2628 %	99.1718 %	96.7977 %	96.9129 %	97.9395 %	96.7631 %
Concentration per Run 1	0.0037 ppm	100.2927 %	99.7522 %	96.1888 %	96.9938 %	98.6726 %	96.1572 %
Concentration per Run 2	0.0038 ppm	100.0305 %	98.8617 %	96.7109 %	96.5187 %	97.4723 %	97.3121 %
Concentration per Run 3	0.0039 ppm	100.4652 %	98.9016 %	97.4936 %	97.2264 %	97.6736 %	96.8200 %
Concentration RSD	2.4 %	0.2 %	0.5 %	0.7 %	0.4 %	0.7 %	0.6 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: CCV
Analysis started at: 6/30/2025 4:44:26 PM
Rack: 0
Vial: 3
Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.4967 ppm	0.4798 ppm	0.4888 ppm	0.4661 ppm	0.5040 ppm	0.4956 ppm	0.4816 ppm
Concentration per Run 1	0.4998 ppm	0.4796 ppm	0.4879 ppm	0.4648 ppm	0.5048 ppm	0.4976 ppm	0.4874 ppm
Concentration per Run 2	0.4963 ppm	0.4789 ppm	0.4866 ppm	0.4657 ppm	0.5028 ppm	0.4946 ppm	0.4807 ppm
Concentration per Run 3	0.4940 ppm	0.4810 ppm	0.4918 ppm	0.4679 ppm	0.5043 ppm	0.4947 ppm	0.4769 ppm
Recovery Percentage 1	99.342 %	95.966 %	97.752 %	93.229 %	100.794 %	99.130 %	96.329 %
Concentration RSD	0.6 %	0.2 %	0.6 %	0.3 %	0.2 %	0.3 %	1.1 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.4588 ppm	0.4746 ppm	0.4757 ppm	0.5024 ppm	0.4929 ppm	5.3769 ppm	0.5335 ppm
Concentration per Run 1	0.4616 ppm	0.4773 ppm	0.4779 ppm	0.5043 ppm	0.4943 ppm	5.2830 ppm	0.5209 ppm
Concentration per Run 2	0.4581 ppm	0.4733 ppm	0.4747 ppm	0.5012 ppm	0.4925 ppm	5.3527 ppm	0.5370 ppm
Concentration per Run 3	0.4568 ppm	0.4731 ppm	0.4746 ppm	0.5016 ppm	0.4918 ppm	5.4949 ppm	0.5425 ppm
Recovery Percentage 1	91.766 %	94.914 %	95.145 %	100.476 %	98.570 %	107.537 %	106.692 %
Concentration RSD	0.5 %	0.5 %	0.4 %	0.3 %	0.3 %	2.0 %	2.1 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.4776 ppm	0.4901 ppm	0.4633 ppm	10.5428 ppm	0.4846 ppm	0.5078 ppm	0.5082 ppm
Concentration per Run 1	0.4786 ppm	0.4938 ppm	0.4653 ppm	10.3422 ppm	0.4859 ppm	0.5068 ppm	0.5100 ppm
Concentration per Run 2	0.4787 ppm	0.4902 ppm	0.4621 ppm	10.4308 ppm	0.4832 ppm	0.5098 ppm	0.5089 ppm
Concentration per Run 3	0.4754 ppm	0.4864 ppm	0.4625 ppm	10.8555 ppm	0.4847 ppm	0.5069 ppm	0.5058 ppm
Recovery Percentage 1	95.512 %	98.025 %	92.663 %	105.428 %	96.915 %	101.561 %	101.640 %
Concentration RSD	0.4 %	0.8 %	0.4 %	2.6 %	0.3 %	0.3 %	0.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.4973 ppm	5.1088 ppm	0.4800 ppm	0.4960 ppm	0.4724 ppm	0.5167 ppm	0.4860 ppm
Concentration per Run 1	0.4980 ppm	5.1548 ppm	0.4835 ppm	0.4957 ppm	0.4747 ppm	0.5154 ppm	0.4881 ppm
Concentration per Run 2	0.4995 ppm	5.0963 ppm	0.4754 ppm	0.4940 ppm	0.4717 ppm	0.5166 ppm	0.4856 ppm
Concentration per Run 3	0.4942 ppm	5.0754 ppm	0.4810 ppm	0.4983 ppm	0.4707 ppm	0.5181 ppm	0.4843 ppm
Recovery Percentage 1	99.451 %	97.311 %	95.999 %	99.202 %	94.475 %	103.341 %	97.205 %
Concentration RSD	0.6 %	0.8 %	0.9 %	0.4 %	0.4 %	0.3 %	0.4 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4689 ppm	100.7162 %	99.4436 %	96.2860 %	96.9553 %	97.7921 %	96.9069 %
Concentration per Run 1	0.4691 ppm	100.7234 %	98.2085 %	96.2945 %	96.9003 %	97.0235 %	96.4549 %
Concentration per Run 2	0.4671 ppm	100.3997 %	100.2009 %	96.3582 %	96.4312 %	98.4920 %	97.3286 %
Concentration per Run 3	0.4705 ppm	101.0254 %	99.9215 %	96.2052 %	97.5344 %	97.8607 %	96.9372 %
Recovery Percentage 1	93.777 %						
Concentration RSD	0.4 %	0.3 %	1.1 %	0.1 %	0.6 %	0.8 %	0.5 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: CCB
 Analysis started at: 6/30/2025 4:47:45 PM
 Rack: 0
 Vial: 4
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0001 ppm	-0.0047 ppm	-0.0001 ppm	0.0006 ppm	0.0001 ppm	0.0000 ppm	0.0037 ppm
Concentration per Run 1	0.0000 ppm	-0.0067 ppm	-0.0010 ppm	0.0007 ppm	0.0001 ppm	0.0000 ppm	0.0043 ppm
Concentration per Run 2	0.0001 ppm	-0.0035 ppm	0.0005 ppm	0.0007 ppm	0.0001 ppm	0.0000 ppm	0.0033 ppm
Concentration per Run 3	0.0003 ppm	-0.0038 ppm	0.0003 ppm	0.0004 ppm	0.0001 ppm	0.0000 ppm	0.0034 ppm
Recovery Percentage 1	2.003 %	-4.654 %	-1.978 %	1.885 %	0.776 %	0.839 %	3.681 %
Concentration RSD	119.0 %	37.5 %	827.3 %	32.4 %	16.4 %	51.9 %	13.8 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0000 ppm	-0.0001 ppm	0.0000 ppm	0.0001 ppm	0.0012 ppm	0.0101 ppm	0.0010 ppm
Concentration per Run 1	0.0000 ppm	0.0000 ppm	0.0001 ppm	0.0001 ppm	0.0011 ppm	0.0168 ppm	0.0009 ppm
Concentration per Run 2	-0.0001 ppm	-0.0001 ppm	0.0000 ppm	0.0003 ppm	0.0006 ppm	0.0086 ppm	0.0010 ppm
Concentration per Run 3	0.0000 ppm	-0.0001 ppm	-0.0001 ppm	0.0000 ppm	0.0019 ppm	0.0051 ppm	0.0012 ppm
Recovery Percentage 1	-0.451 %	-0.291 %	0.165 %	1.222 %	2.366 %	0.405 %	20.761 %
Concentration RSD	263.7 %	52.7 %	569.8 %	110.3 %	56.5 %	59.4 %	16.9 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0030 ppm	0.0001 ppm	0.0022 ppm	0.0644 ppm	0.0001 ppm	-0.0001 ppm	0.0012 ppm
Concentration per Run 1	0.0032 ppm	0.0001 ppm	0.0022 ppm	0.0637 ppm	0.0002 ppm	-0.0007 ppm	0.0017 ppm
Concentration per Run 2	0.0037 ppm	0.0000 ppm	0.0025 ppm	0.0634 ppm	0.0001 ppm	0.0006 ppm	-0.0005 ppm
Concentration per Run 3	0.0022 ppm	0.0002 ppm	0.0019 ppm	0.0660 ppm	0.0002 ppm	-0.0001 ppm	0.0023 ppm
Recovery Percentage 1	3.017 %	1.178 %	4.352 %	3.219 %	0.591 %	-1.000 %	2.314 %
Concentration RSD	26.3 %	91.1 %	13.9 %	2.2 %	21.2 %	663.9 %	129.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0022 ppm	-0.0036 ppm	0.0019 ppm	0.0000 ppm	0.0003 ppm	0.0001 ppm	0.0001 ppm
Concentration per Run 1	0.0025 ppm	-0.0029 ppm	0.0028 ppm	0.0000 ppm	0.0001 ppm	0.0001 ppm	0.0001 ppm
Concentration per Run 2	0.0020 ppm	-0.0045 ppm	0.0014 ppm	0.0000 ppm	0.0005 ppm	0.0000 ppm	0.0001 ppm
Concentration per Run 3	0.0020 ppm	-0.0033 ppm	0.0014 ppm	0.0000 ppm	0.0004 ppm	0.0003 ppm	0.0001 ppm
Recovery Percentage 1	21.663 %	-0.715 %	3.740 %	-0.397 %	3.429 %	0.636 %	1.119 %
Concentration RSD	12.9 %	23.0 %	42.9 %	12.9 %	59.2 %	108.8 %	11.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0005 ppm	100.3654 %	98.9074 %	98.3756 %	99.3965 %	99.3567 %	98.9776 %
Concentration per Run 1	-0.0006 ppm	100.1440 %	98.9421 %	97.3539 %	98.8243 %	99.7223 %	98.4946 %
Concentration per Run 2	-0.0004 ppm	99.8912 %	99.0141 %	97.6695 %	98.9208 %	98.7143 %	99.3891 %
Concentration per Run 3	-0.0005 ppm	101.0611 %	98.7659 %	100.1032 %	100.4444 %	99.6334 %	99.0490 %
Recovery Percentage 1	-9.967 %						
Concentration RSD	27.8 %	0.6 %	0.1 %	1.5 %	0.9 %	0.6 %	0.5 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: xLDR 600 Fe
 Analysis started at: 6/30/2025 5:54:24 PM
 Rack: 2
 Vial: 17
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0082 ppm	0.0061 ppm	-0.0042 ppm	0.0020 ppm	0.0006 ppm	0.0000 ppm	-0.0001 ppm
Concentration per Run 1	-0.0081 ppm	0.0091 ppm	-0.0046 ppm	0.0014 ppm	0.0005 ppm	0.0000 ppm	-0.0003 ppm
Concentration per Run 2	-0.0090 ppm	0.0050 ppm	-0.0057 ppm	0.0017 ppm	0.0006 ppm	0.0000 ppm	-0.0002 ppm
Concentration per Run 3	-0.0076 ppm	0.0041 ppm	-0.0023 ppm	0.0028 ppm	0.0006 ppm	0.0000 ppm	0.0002 ppm
Concentration RSD	8.4 %	44.7 %	40.8 %	37.6 %	9.8 %	80.1 %	318.7 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0036 ppm	-0.0030 ppm	-0.0031 ppm	-0.0086 ppm	523.3066 [SIC 700]	-0.0784 ppm	0.0008 ppm
Concentration per Run 1	0.0037 ppm	-0.0029 ppm	-0.0035 ppm	-0.0080 ppm	524.7677 ppm	-0.0723 ppm	0.0006 ppm
Concentration per Run 2	0.0035 ppm	-0.0028 ppm	-0.0031 ppm	-0.0086 ppm	521.6859 ppm	-0.0825 ppm	0.0008 ppm
Concentration per Run 3	0.0036 ppm	-0.0032 ppm	-0.0027 ppm	-0.0093 ppm	523.4664 ppm	-0.0803 ppm	0.0009 ppm
Concentration RSD	2.9 %	7.4 %	11.5 %	8.1 %	0.3 %	6.8 %	20.2 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0380 ppm	-0.0019 ppm	-0.0036 ppm	0.0335 ppm	-0.0018 ppm	0.0008 ppm	-0.0097 ppm
Concentration per Run 1	0.0367 ppm	-0.0020 ppm	-0.0036 ppm	0.0314 ppm	-0.0017 ppm	0.0002 ppm	-0.0075 ppm
Concentration per Run 2	0.0407 ppm	-0.0017 ppm	-0.0039 ppm	0.0347 ppm	-0.0019 ppm	0.0000 ppm	-0.0082 ppm
Concentration per Run 3	0.0368 ppm	-0.0021 ppm	-0.0035 ppm	0.0344 ppm	-0.0017 ppm	0.0021 ppm	-0.0133 ppm
Concentration RSD	6.0 %	9.3 %	5.3 %	5.5 %	8.0 %	150.7 %	32.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0025 ppm	-0.0067 ppm	0.0030 ppm	0.0004 ppm	0.0001 ppm	0.0015 ppm	-0.0056 ppm
Concentration per Run 1	-0.0019 ppm	-0.0072 ppm	0.0025 ppm	0.0004 ppm	0.0001 ppm	0.0014 ppm	-0.0058 ppm
Concentration per Run 2	-0.0012 ppm	-0.0065 ppm	0.0032 ppm	0.0003 ppm	0.0000 ppm	0.0017 ppm	-0.0052 ppm
Concentration per Run 3	-0.0045 ppm	-0.0062 ppm	0.0034 ppm	0.0004 ppm	0.0003 ppm	0.0014 ppm	-0.0058 ppm
Concentration RSD	67.9 %	7.5 %	16.6 %	5.4 %	93.8 %	14.2 %	6.5 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0017 ppm	97.5070 %	97.0530 %	79.0593 %	92.8369 %	95.2732 %	91.5773 %
Concentration per Run 1	-0.0018 ppm	97.8709 %	96.9715 %	79.2851 %	93.2407 %	95.4014 %	91.3470 %
Concentration per Run 2	-0.0021 ppm	97.3460 %	97.4559 %	78.3928 %	92.4264 %	95.3522 %	91.5492 %
Concentration per Run 3	-0.0013 ppm	97.3041 %	96.7316 %	79.5000 %	92.8437 %	95.0659 %	91.8356 %
Concentration RSD	22.6 %	0.3 %	0.4 %	0.7 %	0.4 %	0.2 %	0.3 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: L2537937-03d8 WG2082820
 Analysis started at: 6/30/2025 6:22:31 PM
 Rack: 2
 Vial: 44
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0017 ppm	20.2167 ppm	0.0376 ppm	0.0225 ppm	0.3236 ppm	0.0010 ppm	206.1940 ppm
Concentration per Run 1	-0.0018 ppm	20.3029 ppm	0.0373 ppm	0.0223 ppm	0.3237 ppm	0.0011 ppm	208.5420 ppm
Concentration per Run 2	-0.0015 ppm	20.1826 ppm	0.0377 ppm	0.0224 ppm	0.3233 ppm	0.0010 ppm	204.8154 ppm
Concentration per Run 3	-0.0017 ppm	20.1646 ppm	0.0378 ppm	0.0227 ppm	0.3238 ppm	0.0010 ppm	205.2247 ppm
Concentration RSD	7.8 %	0.4 %	0.7 %	1.1 %	0.1 %	3.1 %	1.0 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0032 ppm	0.0194 ppm	0.4298 ppm	0.8615 ppm	271.0878 ppm	0.4051 ppm	0.0085 ppm
Concentration per Run 1	0.0031 ppm	0.0190 ppm	0.4294 ppm	0.8616 ppm	272.9441 ppm	0.4081 ppm	0.0090 ppm
Concentration per Run 2	0.0031 ppm	0.0199 ppm	0.4305 ppm	0.8628 ppm	269.4631 ppm	0.4003 ppm	0.0082 ppm
Concentration per Run 3	0.0032 ppm	0.0194 ppm	0.4294 ppm	0.8603 ppm	270.8561 ppm	0.4070 ppm	0.0083 ppm
Concentration RSD	0.6 %	2.2 %	0.1 %	0.1 %	0.6 %	1.0 %	4.9 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	7.8035 ppm	2.8155 ppm	0.0350 ppm	0.2031 ppm	0.2172 ppm	0.2085 ppm	-0.0008 ppm
Concentration per Run 1	7.7845 ppm	2.8403 ppm	0.0350 ppm	0.2060 ppm	0.2167 ppm	0.2070 ppm	-0.0019 ppm
Concentration per Run 2	7.8651 ppm	2.8065 ppm	0.0350 ppm	0.2010 ppm	0.2173 ppm	0.2079 ppm	0.0000 ppm
Concentration per Run 3	7.7610 ppm	2.7995 ppm	0.0351 ppm	0.2025 ppm	0.2175 ppm	0.2106 ppm	-0.0006 ppm
Concentration RSD	0.7 %	0.8 %	0.1 %	1.3 %	0.2 %	0.9 %	118.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0054 ppm	1.1130 ppm	0.0355 ppm	0.1105 ppm	0.4785 ppm	-0.0017 ppm	0.0372 ppm
Concentration per Run 1	0.0039 ppm	1.1047 ppm	0.0355 ppm	0.1105 ppm	0.4775 ppm	-0.0007 ppm	0.0373 ppm
Concentration per Run 2	0.0060 ppm	1.1154 ppm	0.0355 ppm	0.1104 ppm	0.4801 ppm	-0.0027 ppm	0.0372 ppm
Concentration per Run 3	0.0063 ppm	1.1191 ppm	0.0356 ppm	0.1104 ppm	0.4778 ppm	-0.0018 ppm	0.0370 ppm
Concentration RSD	23.8 %	0.7 %	0.2 %	0.1 %	0.3 %	56.5 %	0.4 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.6250 ppm	94.5693 %	96.4691 %	78.9740 %	92.4011 %	97.0006 %	92.1189 %
Concentration per Run 1	0.6230 ppm	94.8949 %	95.8884 %	79.5023 %	92.6104 %	96.8423 %	92.0766 %
Concentration per Run 2	0.6255 ppm	94.8899 %	97.4885 %	79.2510 %	92.8543 %	97.9083 %	92.2265 %
Concentration per Run 3	0.6266 ppm	93.9231 %	96.0303 %	78.1687 %	91.7384 %	96.2513 %	92.0534 %
Concentration RSD	0.3 %	0.6 %	0.9 %	0.9 %	0.6 %	0.9 %	0.1 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: L2537937-05d8 WG2082820
 Analysis started at: 6/30/2025 6:25:50 PM
 Rack: 2
 Vial: 45
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0025 ppm	10.0577 ppm	0.0319 ppm	0.0165 ppm	0.0852 ppm	0.0005 ppm	9.2799 ppm
Concentration per Run 1	-0.0026 ppm	10.0587 ppm	0.0320 ppm	0.0169 ppm	0.0855 ppm	0.0005 ppm	9.3599 ppm
Concentration per Run 2	-0.0024 ppm	10.0097 ppm	0.0325 ppm	0.0162 ppm	0.0846 ppm	0.0005 ppm	9.2317 ppm
Concentration per Run 3	-0.0025 ppm	10.1046 ppm	0.0313 ppm	0.0164 ppm	0.0854 ppm	0.0004 ppm	9.2482 ppm
Concentration RSD	3.8 %	0.5 %	1.9 %	2.2 %	0.6 %	8.5 %	0.8 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0021 ppm	0.0331 ppm	0.0691 ppm	0.1067 ppm	265.2148 ppm	1.2546 ppm	0.0109 ppm
Concentration per Run 1	0.0023 ppm	0.0327 ppm	0.0690 ppm	0.1065 ppm	266.6728 ppm	1.2534 ppm	0.0111 ppm
Concentration per Run 2	0.0021 ppm	0.0332 ppm	0.0698 ppm	0.1064 ppm	264.4302 ppm	1.2473 ppm	0.0106 ppm
Concentration per Run 3	0.0020 ppm	0.0333 ppm	0.0685 ppm	0.1072 ppm	264.5415 ppm	1.2632 ppm	0.0110 ppm
Concentration RSD	6.9 %	1.0 %	1.0 %	0.4 %	0.5 %	0.6 %	2.5 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	5.4796 ppm	6.5653 ppm	0.0014 ppm	0.1736 ppm	0.0422 ppm	0.0510 ppm	-0.0056 ppm
Concentration per Run 1	5.4700 ppm	6.6000 ppm	0.0016 ppm	0.1748 ppm	0.0420 ppm	0.0510 ppm	-0.0072 ppm
Concentration per Run 2	5.5078 ppm	6.5400 ppm	0.0014 ppm	0.1709 ppm	0.0430 ppm	0.0515 ppm	-0.0041 ppm
Concentration per Run 3	5.4610 ppm	6.5558 ppm	0.0012 ppm	0.1750 ppm	0.0416 ppm	0.0506 ppm	-0.0056 ppm
Concentration RSD	0.5 %	0.5 %	13.5 %	1.3 %	1.7 %	1.0 %	28.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0013 ppm	0.9777 ppm	0.0093 ppm	0.0588 ppm	1.5021 ppm	-0.0034 ppm	0.3289 ppm
Concentration per Run 1	0.0015 ppm	0.9728 ppm	0.0087 ppm	0.0590 ppm	1.4931 ppm	-0.0037 ppm	0.3282 ppm
Concentration per Run 2	-0.0046 ppm	0.9819 ppm	0.0094 ppm	0.0585 ppm	1.5133 ppm	-0.0038 ppm	0.3299 ppm
Concentration per Run 3	-0.0008 ppm	0.9785 ppm	0.0099 ppm	0.0588 ppm	1.5001 ppm	-0.0028 ppm	0.3286 ppm
Concentration RSD	235.0 %	0.5 %	6.3 %	0.4 %	0.7 %	17.0 %	0.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0432 ppm	99.1810 %	99.7223 %	86.5639 %	96.8738 %	99.8615 %	97.3045 %
Concentration per Run 1	0.0433 ppm	99.1384 %	99.2895 %	86.6694 %	96.7678 %	99.2960 %	97.7434 %
Concentration per Run 2	0.0436 ppm	98.6157 %	100.3331 %	86.7274 %	96.4361 %	100.1859 %	97.1179 %
Concentration per Run 3	0.0427 ppm	99.7890 %	99.5443 %	86.2947 %	97.4175 %	100.1027 %	97.0521 %
Concentration RSD	1.1 %	0.6 %	0.5 %	0.3 %	0.5 %	0.5 %	0.4 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: L2537937-06d20 WG2082820
 Analysis started at: 6/30/2025 6:29:04 PM
 Rack: 2
 Vial: 46
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0002 ppm	10.5633 ppm	0.0236 ppm	0.0228 ppm	0.4122 ppm	0.0008 ppm	58.3340 ppm
Concentration per Run 1	0.0002 ppm	10.5558 ppm	0.0235 ppm	0.0217 ppm	0.4134 ppm	0.0008 ppm	58.0632 ppm
Concentration per Run 2	-0.0001 ppm	10.4993 ppm	0.0250 ppm	0.0227 ppm	0.4100 ppm	0.0008 ppm	58.6441 ppm
Concentration per Run 3	0.0005 ppm	10.6348 ppm	0.0222 ppm	0.0241 ppm	0.4132 ppm	0.0008 ppm	58.2947 ppm
Concentration RSD	147.5 %	0.6 %	6.1 %	5.1 %	0.5 %	0.6 %	0.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0070 ppm	0.0106 ppm	0.2346 ppm	0.4417 ppm	135.7173 ppm	0.5386 ppm	0.0085 ppm
Concentration per Run 1	0.0070 ppm	0.0109 ppm	0.2375 ppm	0.4432 ppm	135.2332 ppm	0.5527 ppm	0.0089 ppm
Concentration per Run 2	0.0071 ppm	0.0103 ppm	0.2358 ppm	0.4422 ppm	136.1352 ppm	0.5319 ppm	0.0082 ppm
Concentration per Run 3	0.0068 ppm	0.0105 ppm	0.2305 ppm	0.4398 ppm	135.7835 ppm	0.5313 ppm	0.0084 ppm
Concentration RSD	1.8 %	2.6 %	1.6 %	0.4 %	0.3 %	2.3 %	4.1 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	6.1644 ppm	2.4457 ppm	0.0142 ppm	0.2345 ppm	0.0978 ppm	0.4191 ppm	0.0017 ppm
Concentration per Run 1	6.1963 ppm	2.4377 ppm	0.0143 ppm	0.2351 ppm	0.0992 ppm	0.4191 ppm	0.0028 ppm
Concentration per Run 2	6.1796 ppm	2.4518 ppm	0.0140 ppm	0.2316 ppm	0.0992 ppm	0.4206 ppm	0.0013 ppm
Concentration per Run 3	6.1175 ppm	2.4475 ppm	0.0143 ppm	0.2370 ppm	0.0949 ppm	0.4176 ppm	0.0010 ppm
Concentration RSD	0.7 %	0.3 %	1.3 %	1.2 %	2.5 %	0.4 %	55.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0016 ppm	2.2361 ppm	0.0303 ppm	0.0882 ppm	0.4299 ppm	-0.0016 ppm	0.0298 ppm
Concentration per Run 1	0.0008 ppm	2.2481 ppm	0.0307 ppm	0.0881 ppm	0.4332 ppm	-0.0011 ppm	0.0298 ppm
Concentration per Run 2	0.0010 ppm	2.2466 ppm	0.0304 ppm	0.0883 ppm	0.4321 ppm	-0.0021 ppm	0.0297 ppm
Concentration per Run 3	0.0029 ppm	2.2134 ppm	0.0298 ppm	0.0883 ppm	0.4243 ppm	-0.0016 ppm	0.0297 ppm
Concentration RSD	72.9 %	0.9 %	1.5 %	0.1 %	1.1 %	32.1 %	0.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	1.3386 ppm	97.7587 %	99.0380 %	88.8488 %	95.8847 %	99.2604 %	96.5000 %
Concentration per Run 1	1.3495 ppm	97.9743 %	99.5026 %	88.3324 %	96.4142 %	99.4049 %	96.3409 %
Concentration per Run 2	1.3443 ppm	97.4875 %	98.8122 %	89.4692 %	95.4472 %	99.1704 %	96.9935 %
Concentration per Run 3	1.3219 ppm	97.8144 %	98.7992 %	88.7447 %	95.7927 %	99.2059 %	96.1656 %
Concentration RSD	1.1 %	0.3 %	0.4 %	0.6 %	0.5 %	0.1 %	0.5 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: L2536204-01d2 WG2082696
 Analysis started at: 6/30/2025 6:32:17 PM
 Rack: 2
 Vial: 25
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0001 ppm	66.1419 ppm	0.0806 ppm	0.0463 ppm	1.3131 ppm	0.0048 ppm	569.5723 [SIC 1500]
Concentration per Run 1	0.0002 ppm	65.8789 ppm	0.0807 ppm	0.0460 ppm	1.3108 ppm	0.0048 ppm	566.1585 ppm
Concentration per Run 2	-0.0003 ppm	66.1089 ppm	0.0823 ppm	0.0445 ppm	1.3114 ppm	0.0048 ppm	573.7956 ppm
Concentration per Run 3	0.0004 ppm	66.4379 ppm	0.0786 ppm	0.0483 ppm	1.3172 ppm	0.0047 ppm	568.7629 ppm
Concentration RSD	376.4 %	0.4 %	2.3 %	4.2 %	0.3 %	0.9 %	0.7 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0080 ppm	0.0674 ppm	0.1255 ppm	0.4238 ppm	138.3476 ppm	6.5884 ppm	0.2108 ppm
Concentration per Run 1	0.0081 ppm	0.0676 ppm	0.1266 ppm	0.4259 ppm	138.3337 ppm	6.5908 ppm	0.2119 ppm
Concentration per Run 2	0.0079 ppm	0.0674 ppm	0.1257 ppm	0.4215 ppm	138.4196 ppm	6.5512 ppm	0.2087 ppm
Concentration per Run 3	0.0081 ppm	0.0671 ppm	0.1241 ppm	0.4240 ppm	138.2894 ppm	6.6232 ppm	0.2117 ppm
Concentration RSD	0.9 %	0.4 %	1.0 %	0.5 %	0.0 %	0.5 %	0.8 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	107.7646 ppm	3.4823 ppm	0.0325 ppm	1.4060 ppm	0.1982 ppm	1.7110 ppm	-0.0032 ppm
Concentration per Run 1	108.2138 ppm	3.4651 ppm	0.0328 ppm	1.3970 ppm	0.1984 ppm	1.7349 ppm	-0.0030 ppm
Concentration per Run 2	107.6329 ppm	3.5057 ppm	0.0322 ppm	1.4014 ppm	0.1993 ppm	1.6882 ppm	-0.0046 ppm
Concentration per Run 3	107.4471 ppm	3.4763 ppm	0.0326 ppm	1.4197 ppm	0.1970 ppm	1.7098 ppm	-0.0022 ppm
Concentration RSD	0.4 %	0.6 %	0.8 %	0.9 %	0.6 %	1.4 %	38.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0042 ppm	5.9892 ppm	0.0953 ppm	3.9110 ppm	0.4876 ppm	0.0000 ppm	0.1872 ppm
Concentration per Run 1	0.0032 ppm	6.0093 ppm	0.0952 ppm	3.9020 ppm	0.4908 ppm	0.0009 ppm	0.1874 ppm
Concentration per Run 2	0.0047 ppm	5.9575 ppm	0.0944 ppm	3.9064 ppm	0.4871 ppm	-0.0005 ppm	0.1874 ppm
Concentration per Run 3	0.0046 ppm	6.0009 ppm	0.0965 ppm	3.9245 ppm	0.4850 ppm	-0.0003 ppm	0.1868 ppm
Concentration RSD	19.7 %	0.5 %	1.1 %	0.3 %	0.6 %	3,998.4 %	0.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	2.3830 ppm	91.0018 %	97.1190 %	72.9144 %	111.7006 %	122.1824 %	111.4789 %
Concentration per Run 1	2.3976 ppm	90.8941 %	97.2014 %	72.1412 %	112.3371 %	121.7819 %	111.4552 %
Concentration per Run 2	2.3934 ppm	91.1603 %	96.9614 %	73.6683 %	111.3002 %	122.3356 %	111.1182 %
Concentration per Run 3	2.3579 ppm	90.9510 %	97.1942 %	72.9338 %	111.4646 %	122.4297 %	111.8634 %
Concentration RSD	0.9 %	0.2 %	0.1 %	1.0 %	0.5 %	0.3 %	0.3 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: L2537908-01d2 WG2082696
 Analysis started at: 6/30/2025 6:35:30 PM
 Rack: 2
 Vial: 20
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0021 ppm	13.2439 ppm	0.4179 ppm	0.0055 ppm	0.1344 ppm	0.0006 ppm	8.1814 ppm
Concentration per Run 1	0.0020 ppm	13.2586 ppm	0.4154 ppm	0.0054 ppm	0.1339 ppm	0.0006 ppm	8.1029 ppm
Concentration per Run 2	0.0021 ppm	13.1622 ppm	0.4188 ppm	0.0049 ppm	0.1338 ppm	0.0006 ppm	8.2479 ppm
Concentration per Run 3	0.0022 ppm	13.3108 ppm	0.4195 ppm	0.0063 ppm	0.1354 ppm	0.0007 ppm	8.1933 ppm
Concentration RSD	4.5 %	0.6 %	0.5 %	12.3 %	0.6 %	3.6 %	0.9 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0098 ppm	0.0057 ppm	0.3393 ppm	0.0554 ppm	27.2232 ppm	1.1065 ppm	0.0077 ppm
Concentration per Run 1	0.0098 ppm	0.0056 ppm	0.3409 ppm	0.0549 ppm	27.1314 ppm	1.1143 ppm	0.0077 ppm
Concentration per Run 2	0.0098 ppm	0.0057 ppm	0.3377 ppm	0.0555 ppm	27.3102 ppm	1.0869 ppm	0.0073 ppm
Concentration per Run 3	0.0099 ppm	0.0058 ppm	0.3393 ppm	0.0557 ppm	27.2279 ppm	1.1181 ppm	0.0080 ppm
Concentration RSD	0.5 %	1.3 %	0.5 %	0.8 %	0.3 %	1.5 %	4.6 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	3.2829 ppm	0.5879 ppm	0.0019 ppm	0.1282 ppm	0.0130 ppm	2.0468 ppm	0.0028 ppm
Concentration per Run 1	3.2794 ppm	0.5836 ppm	0.0017 ppm	0.1263 ppm	0.0132 ppm	2.0495 ppm	0.0018 ppm
Concentration per Run 2	3.2767 ppm	0.5909 ppm	0.0020 ppm	0.1270 ppm	0.0124 ppm	2.0301 ppm	0.0025 ppm
Concentration per Run 3	3.2927 ppm	0.5890 ppm	0.0019 ppm	0.1312 ppm	0.0133 ppm	2.0606 ppm	0.0042 ppm
Concentration RSD	0.3 %	0.6 %	8.5 %	2.1 %	3.7 %	0.8 %	42.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0019 ppm	2.5574 ppm	0.0094 ppm	0.0254 ppm	0.5546 ppm	0.0001 ppm	0.0444 ppm
Concentration per Run 1	0.0000 ppm	2.5428 ppm	0.0092 ppm	0.0254 ppm	0.5546 ppm	-0.0005 ppm	0.0444 ppm
Concentration per Run 2	0.0024 ppm	2.5598 ppm	0.0097 ppm	0.0253 ppm	0.5524 ppm	0.0002 ppm	0.0442 ppm
Concentration per Run 3	0.0033 ppm	2.5695 ppm	0.0093 ppm	0.0255 ppm	0.5568 ppm	0.0005 ppm	0.0446 ppm
Concentration RSD	87.6 %	0.5 %	2.3 %	0.4 %	0.4 %	750.7 %	0.5 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.1873 ppm	101.3036 %	101.1599 %	96.1073 %	103.9049 %	105.4812 %	103.5843 %
Concentration per Run 1	0.1873 ppm	101.7006 %	102.0937 %	95.9792 %	103.6843 %	105.8717 %	103.2617 %
Concentration per Run 2	0.1876 ppm	100.6062 %	100.4391 %	96.9834 %	103.2502 %	104.8664 %	104.2148 %
Concentration per Run 3	0.1871 ppm	101.6041 %	100.9468 %	95.3593 %	104.7803 %	105.7055 %	103.2765 %
Concentration RSD	0.1 %	0.6 %	0.8 %	0.9 %	0.8 %	0.5 %	0.5 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: WG2082696-3d2 WG2082696
 Analysis started at: 6/30/2025 6:38:44 PM
 Rack: 2
 Vial: 21
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0538 ppm	19.6715 ppm	0.5026 ppm	0.8746 ppm	2.1622 ppm	0.0508 ppm	16.6614 ppm
Concentration per Run 1	0.0542 ppm	19.7488 ppm	0.5013 ppm	0.8724 ppm	2.1654 ppm	0.0507 ppm	16.6248 ppm
Concentration per Run 2	0.0533 ppm	19.6082 ppm	0.5043 ppm	0.8713 ppm	2.1556 ppm	0.0507 ppm	16.6610 ppm
Concentration per Run 3	0.0540 ppm	19.6576 ppm	0.5023 ppm	0.8799 ppm	2.1657 ppm	0.0510 ppm	16.6983 ppm
Concentration RSD	0.9 %	0.4 %	0.3 %	0.5 %	0.3 %	0.4 %	0.2 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0534 ppm	0.4689 ppm	0.4807 ppm	0.3033 ppm	26.9229 ppm	11.7294 ppm	0.0119 ppm
Concentration per Run 1	0.0534 ppm	0.4718 ppm	0.4812 ppm	0.3052 ppm	26.7706 ppm	11.7495 ppm	0.0120 ppm
Concentration per Run 2	0.0536 ppm	0.4675 ppm	0.4786 ppm	0.3013 ppm	27.0113 ppm	11.7157 ppm	0.0113 ppm
Concentration per Run 3	0.0531 ppm	0.4673 ppm	0.4824 ppm	0.3035 ppm	26.9869 ppm	11.7229 ppm	0.0123 ppm
Concentration RSD	0.4 %	0.5 %	0.4 %	0.6 %	0.5 %	0.2 %	4.2 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	11.9284 ppm	1.0230 ppm	0.8551 ppm	10.6544 ppm	0.4875 ppm	2.3926 ppm	0.3095 ppm
Concentration per Run 1	11.9909 ppm	1.0171 ppm	0.8548 ppm	10.6851 ppm	0.4845 ppm	2.3748 ppm	0.3135 ppm
Concentration per Run 2	11.8972 ppm	1.0267 ppm	0.8564 ppm	10.7322 ppm	0.4876 ppm	2.4101 ppm	0.3056 ppm
Concentration per Run 3	11.8971 ppm	1.0253 ppm	0.8539 ppm	10.5459 ppm	0.4902 ppm	2.3929 ppm	0.3093 ppm
Concentration RSD	0.5 %	0.5 %	0.1 %	0.9 %	0.6 %	0.7 %	1.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.1021 ppm	5.4147 ppm	0.8273 ppm	0.9274 ppm	1.2660 ppm	0.1173 ppm	0.5364 ppm
Concentration per Run 1	0.1023 ppm	5.4250 ppm	0.8222 ppm	0.9286 ppm	1.2706 ppm	0.1162 ppm	0.5378 ppm
Concentration per Run 2	0.1017 ppm	5.3805 ppm	0.8291 ppm	0.9236 ppm	1.2580 ppm	0.1183 ppm	0.5368 ppm
Concentration per Run 3	0.1025 ppm	5.4386 ppm	0.8306 ppm	0.9301 ppm	1.2694 ppm	0.1174 ppm	0.5347 ppm
Concentration RSD	0.4 %	0.6 %	0.5 %	0.4 %	0.5 %	0.9 %	0.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.6526 ppm	99.9629 %	99.8468 %	91.5526 %	101.8196 %	104.5504 %	101.5210 %
Concentration per Run 1	0.6510 ppm	99.6561 %	100.2249 %	92.6056 %	101.9082 %	105.4660 %	102.1521 %
Concentration per Run 2	0.6547 ppm	100.4399 %	99.9516 %	90.5736 %	101.9259 %	104.2821 %	101.0575 %
Concentration per Run 3	0.6520 ppm	99.7927 %	99.3641 %	91.4784 %	101.6247 %	103.9031 %	101.3533 %
Concentration RSD	0.3 %	0.4 %	0.4 %	1.1 %	0.2 %	0.8 %	0.6 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: WG2082696-4d2 WG2082696
 Analysis started at: 6/30/2025 6:41:57 PM
 Rack: 2
 Vial: 22
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0017 ppm	12.0336 ppm	0.3302 ppm	0.0050 ppm	0.1092 ppm	0.0005 ppm	6.5521 ppm
Concentration per Run 1	0.0015 ppm	11.9895 ppm	0.3311 ppm	0.0056 ppm	0.1098 ppm	0.0005 ppm	6.6097 ppm
Concentration per Run 2	0.0015 ppm	12.0555 ppm	0.3282 ppm	0.0050 ppm	0.1090 ppm	0.0005 ppm	6.5463 ppm
Concentration per Run 3	0.0020 ppm	12.0559 ppm	0.3314 ppm	0.0043 ppm	0.1089 ppm	0.0005 ppm	6.5001 ppm
Concentration RSD	15.2 %	0.3 %	0.5 %	13.5 %	0.4 %	1.0 %	0.8 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0081 ppm	0.0049 ppm	0.2604 ppm	0.0451 ppm	22.9395 ppm	0.9974 ppm	0.0071 ppm
Concentration per Run 1	0.0081 ppm	0.0053 ppm	0.2628 ppm	0.0454 ppm	23.0528 ppm	1.0051 ppm	0.0075 ppm
Concentration per Run 2	0.0082 ppm	0.0043 ppm	0.2601 ppm	0.0446 ppm	22.9206 ppm	1.0024 ppm	0.0069 ppm
Concentration per Run 3	0.0079 ppm	0.0052 ppm	0.2583 ppm	0.0453 ppm	22.8452 ppm	0.9846 ppm	0.0070 ppm
Concentration RSD	1.7 %	11.9 %	0.9 %	1.0 %	0.5 %	1.1 %	4.4 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	2.6886 ppm	0.4740 ppm	0.0041 ppm	0.0969 ppm	0.0119 ppm	1.6257 ppm	0.0021 ppm
Concentration per Run 1	2.7092 ppm	0.4761 ppm	0.0044 ppm	0.0979 ppm	0.0120 ppm	1.6253 ppm	0.0040 ppm
Concentration per Run 2	2.6893 ppm	0.4736 ppm	0.0041 ppm	0.0961 ppm	0.0115 ppm	1.6128 ppm	-0.0002 ppm
Concentration per Run 3	2.6671 ppm	0.4721 ppm	0.0036 ppm	0.0966 ppm	0.0122 ppm	1.6390 ppm	0.0026 ppm
Concentration RSD	0.8 %	0.4 %	9.7 %	1.0 %	2.9 %	0.8 %	102.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0017 ppm	2.4542 ppm	0.0090 ppm	0.0204 ppm	0.5028 ppm	-0.0004 ppm	0.0386 ppm
Concentration per Run 1	0.0020 ppm	2.4653 ppm	0.0091 ppm	0.0206 ppm	0.5067 ppm	0.0004 ppm	0.0390 ppm
Concentration per Run 2	0.0015 ppm	2.4507 ppm	0.0091 ppm	0.0204 ppm	0.5021 ppm	-0.0006 ppm	0.0385 ppm
Concentration per Run 3	0.0017 ppm	2.4467 ppm	0.0087 ppm	0.0204 ppm	0.4997 ppm	-0.0009 ppm	0.0384 ppm
Concentration RSD	13.0 %	0.4 %	2.6 %	0.6 %	0.7 %	195.5 %	0.9 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.1553 ppm	101.9494 %	101.6343 %	96.9698 %	102.9583 %	104.9087 %	103.8284 %
Concentration per Run 1	0.1574 ppm	101.8901 %	101.4401 %	96.9230 %	103.2074 %	105.4675 %	103.7489 %
Concentration per Run 2	0.1555 ppm	101.6562 %	101.7492 %	97.4938 %	102.6280 %	105.1039 %	103.9358 %
Concentration per Run 3	0.1531 ppm	102.3020 %	101.7136 %	96.4927 %	103.0395 %	104.1546 %	103.8004 %
Concentration RSD	1.4 %	0.3 %	0.2 %	0.5 %	0.3 %	0.6 %	0.1 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: WG2082696-5d2 WG2082696
 Analysis started at: 6/30/2025 6:45:11 PM
 Rack: 2
 Vial: 23
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0527 ppm	15.1041 ppm	0.5240 ppm	0.9085 ppm	2.2308 ppm	0.0526 ppm	17.2443 ppm
Concentration per Run 1	0.0523 ppm	15.1022 ppm	0.5248 ppm	0.8990 ppm	2.2265 ppm	0.0525 ppm	17.2266 ppm
Concentration per Run 2	0.0531 ppm	15.0300 ppm	0.5244 ppm	0.9148 ppm	2.2285 ppm	0.0529 ppm	17.4208 ppm
Concentration per Run 3	0.0527 ppm	15.1800 ppm	0.5227 ppm	0.9116 ppm	2.2376 ppm	0.0524 ppm	17.0856 ppm
Concentration RSD	0.7 %	0.5 %	0.2 %	0.9 %	0.3 %	0.5 %	1.0 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0541 ppm	0.4849 ppm	0.5203 ppm	0.3108 ppm	27.1478 ppm	11.8952 ppm	0.0078 ppm
Concentration per Run 1	0.0538 ppm	0.4830 ppm	0.5152 ppm	0.3099 ppm	27.1485 ppm	11.8181 ppm	0.0079 ppm
Concentration per Run 2	0.0544 ppm	0.4869 ppm	0.5253 ppm	0.3112 ppm	27.2233 ppm	11.6604 ppm	0.0075 ppm
Concentration per Run 3	0.0539 ppm	0.4847 ppm	0.5204 ppm	0.3112 ppm	27.0716 ppm	12.2072 ppm	0.0079 ppm
Concentration RSD	0.6 %	0.4 %	1.0 %	0.2 %	0.3 %	2.4 %	2.8 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	12.2546 ppm	1.0605 ppm	0.8962 ppm	11.0551 ppm	0.4979 ppm	2.4941 ppm	0.4276 ppm
Concentration per Run 1	12.2039 ppm	1.0571 ppm	0.8916 ppm	11.0771 ppm	0.4915 ppm	2.5083 ppm	0.4237 ppm
Concentration per Run 2	12.3459 ppm	1.0673 ppm	0.9010 ppm	10.9013 ppm	0.5039 ppm	2.4655 ppm	0.4292 ppm
Concentration per Run 3	12.2140 ppm	1.0571 ppm	0.8959 ppm	11.1869 ppm	0.4983 ppm	2.5085 ppm	0.4299 ppm
Concentration RSD	0.6 %	0.6 %	0.5 %	1.3 %	1.2 %	1.0 %	0.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.1107 ppm	3.2896 ppm	0.9117 ppm	0.9750 ppm	1.4548 ppm	0.1180 ppm	0.5513 ppm
Concentration per Run 1	0.1118 ppm	3.2731 ppm	0.9050 ppm	0.9717 ppm	1.4456 ppm	0.1193 ppm	0.5500 ppm
Concentration per Run 2	0.1099 ppm	3.3042 ppm	0.9148 ppm	0.9747 ppm	1.4675 ppm	0.1161 ppm	0.5538 ppm
Concentration per Run 3	0.1104 ppm	3.2914 ppm	0.9154 ppm	0.9784 ppm	1.4512 ppm	0.1187 ppm	0.5501 ppm
Concentration RSD	0.9 %	0.5 %	0.6 %	0.3 %	0.8 %	1.5 %	0.4 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.6569 ppm	99.5323 %	100.4334 %	92.1082 %	101.1310 %	104.3816 %	101.5659 %
Concentration per Run 1	0.6500 ppm	100.1899 %	100.6344 %	91.7305 %	101.4286 %	104.9676 %	101.5721 %
Concentration per Run 2	0.6615 ppm	99.3895 %	99.7400 %	92.7172 %	101.3892 %	103.7767 %	101.5047 %
Concentration per Run 3	0.6591 ppm	99.0174 %	100.9259 %	91.8768 %	100.5753 %	104.4003 %	101.6211 %
Concentration RSD	0.9 %	0.6 %	0.6 %	0.6 %	0.5 %	0.6 %	0.1 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: WG2082696-6d10 WG2082696
 Analysis started at: 6/30/2025 6:48:24 PM
 Rack: 2
 Vial: 24
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0004 ppm	2.7579 ppm	0.0937 ppm	0.0011 ppm	0.0281 ppm	0.0001 ppm	1.7157 ppm
Concentration per Run 1	0.0004 ppm	2.7882 ppm	0.0944 ppm	0.0017 ppm	0.0284 ppm	0.0001 ppm	1.7262 ppm
Concentration per Run 2	0.0003 ppm	2.7508 ppm	0.0930 ppm	0.0004 ppm	0.0281 ppm	0.0002 ppm	1.7186 ppm
Concentration per Run 3	0.0004 ppm	2.7346 ppm	0.0937 ppm	0.0012 ppm	0.0277 ppm	0.0001 ppm	1.7023 ppm
Concentration RSD	19.6 %	1.0 %	0.8 %	56.8 %	1.2 %	12.9 %	0.7 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0022 ppm	0.0010 ppm	0.0745 ppm	0.0119 ppm	5.8407 ppm	0.2305 ppm	0.0017 ppm
Concentration per Run 1	0.0022 ppm	0.0012 ppm	0.0741 ppm	0.0120 ppm	5.8700 ppm	0.2350 ppm	0.0019 ppm
Concentration per Run 2	0.0021 ppm	0.0006 ppm	0.0751 ppm	0.0118 ppm	5.8440 ppm	0.2336 ppm	0.0014 ppm
Concentration per Run 3	0.0022 ppm	0.0013 ppm	0.0742 ppm	0.0120 ppm	5.8082 ppm	0.2228 ppm	0.0017 ppm
Concentration RSD	1.4 %	34.6 %	0.7 %	1.1 %	0.5 %	2.9 %	13.6 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.7206 ppm	0.1232 ppm	0.0028 ppm	0.0359 ppm	0.0034 ppm	0.4431 ppm	0.0062 ppm
Concentration per Run 1	0.7182 ppm	0.1240 ppm	0.0030 ppm	0.0353 ppm	0.0032 ppm	0.4493 ppm	0.0078 ppm
Concentration per Run 2	0.7218 ppm	0.1232 ppm	0.0028 ppm	0.0366 ppm	0.0034 ppm	0.4403 ppm	0.0045 ppm
Concentration per Run 3	0.7219 ppm	0.1223 ppm	0.0027 ppm	0.0358 ppm	0.0035 ppm	0.4396 ppm	0.0062 ppm
Concentration RSD	0.3 %	0.7 %	5.0 %	1.9 %	4.2 %	1.2 %	26.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0018 ppm	0.5496 ppm	0.0026 ppm	0.0053 ppm	0.1198 ppm	0.0005 ppm	0.0096 ppm
Concentration per Run 1	0.0025 ppm	0.5469 ppm	0.0028 ppm	0.0054 ppm	0.1195 ppm	0.0004 ppm	0.0095 ppm
Concentration per Run 2	0.0001 ppm	0.5515 ppm	0.0023 ppm	0.0053 ppm	0.1204 ppm	0.0001 ppm	0.0097 ppm
Concentration per Run 3	0.0029 ppm	0.5503 ppm	0.0027 ppm	0.0053 ppm	0.1194 ppm	0.0009 ppm	0.0096 ppm
Concentration RSD	83.0 %	0.4 %	9.9 %	0.9 %	0.5 %	96.1 %	1.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0409 ppm	102.7520 %	101.4562 %	100.7368 %	101.1499 %	101.4310 %	101.9068 %
Concentration per Run 1	0.0405 ppm	102.9272 %	100.9678 %	100.0858 %	101.5511 %	101.3211 %	102.0909 %
Concentration per Run 2	0.0413 ppm	102.7652 %	101.2712 %	100.7898 %	101.1188 %	101.3619 %	101.4333 %
Concentration per Run 3	0.0408 ppm	102.5636 %	102.1295 %	101.3350 %	100.7797 %	101.6101 %	102.1961 %
Concentration RSD	1.1 %	0.2 %	0.6 %	0.6 %	0.4 %	0.2 %	0.4 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: CCV
Analysis started at: 6/30/2025 6:51:38 PM
Rack: 0
Vial: 3
Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.4962 ppm	0.4742 ppm	0.4822 ppm	0.4651 ppm	0.4954 ppm	0.4918 ppm	0.4748 ppm
Concentration per Run 1	0.4951 ppm	0.4691 ppm	0.4842 ppm	0.4675 ppm	0.4934 ppm	0.4912 ppm	0.4758 ppm
Concentration per Run 2	0.4980 ppm	0.4799 ppm	0.4822 ppm	0.4660 ppm	0.4973 ppm	0.4921 ppm	0.4713 ppm
Concentration per Run 3	0.4956 ppm	0.4736 ppm	0.4801 ppm	0.4616 ppm	0.4955 ppm	0.4920 ppm	0.4773 ppm
Recovery Percentage 1	99.247 %	94.838 %	96.437 %	93.010 %	99.083 %	98.357 %	94.957 %
Concentration RSD	0.3 %	1.1 %	0.4 %	0.7 %	0.4 %	0.1 %	0.6 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.4683 ppm	0.4784 ppm	0.4779 ppm	0.4969 ppm	0.4926 ppm	5.3091 ppm	0.5256 ppm
Concentration per Run 1	0.4650 ppm	0.4771 ppm	0.4766 ppm	0.4976 ppm	0.4919 ppm	5.1762 ppm	0.5149 ppm
Concentration per Run 2	0.4731 ppm	0.4814 ppm	0.4811 ppm	0.4978 ppm	0.4926 ppm	5.4043 ppm	0.5340 ppm
Concentration per Run 3	0.4668 ppm	0.4767 ppm	0.4762 ppm	0.4951 ppm	0.4934 ppm	5.3468 ppm	0.5277 ppm
Recovery Percentage 1	93.657 %	95.678 %	95.588 %	99.371 %	98.528 %	106.182 %	105.113 %
Concentration RSD	0.9 %	0.5 %	0.6 %	0.3 %	0.1 %	2.2 %	1.9 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.4790 ppm	0.4833 ppm	0.4673 ppm	10.3008 ppm	0.4843 ppm	0.5084 ppm	0.4961 ppm
Concentration per Run 1	0.4788 ppm	0.4821 ppm	0.4652 ppm	10.1143 ppm	0.4855 ppm	0.5041 ppm	0.4977 ppm
Concentration per Run 2	0.4810 ppm	0.4852 ppm	0.4711 ppm	10.4611 ppm	0.4861 ppm	0.5079 ppm	0.4983 ppm
Concentration per Run 3	0.4772 ppm	0.4826 ppm	0.4655 ppm	10.3271 ppm	0.4814 ppm	0.5131 ppm	0.4924 ppm
Recovery Percentage 1	95.799 %	96.660 %	93.450 %	103.008 %	96.866 %	101.674 %	99.228 %
Concentration RSD	0.4 %	0.4 %	0.7 %	1.7 %	0.5 %	0.9 %	0.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.4844 ppm	5.1064 ppm	0.4720 ppm	0.4933 ppm	0.4766 ppm	0.5147 ppm	0.4870 ppm
Concentration per Run 1	0.4860 ppm	5.0921 ppm	0.4711 ppm	0.4919 ppm	0.4762 ppm	0.5122 ppm	0.4873 ppm
Concentration per Run 2	0.4828 ppm	5.1274 ppm	0.4742 ppm	0.4947 ppm	0.4782 ppm	0.5153 ppm	0.4884 ppm
Concentration per Run 3	0.4843 ppm	5.0997 ppm	0.4708 ppm	0.4934 ppm	0.4753 ppm	0.5168 ppm	0.4852 ppm
Recovery Percentage 1	96.874 %	97.265 %	94.409 %	98.665 %	95.315 %	102.947 %	97.393 %
Concentration RSD	0.3 %	0.4 %	0.4 %	0.3 %	0.3 %	0.5 %	0.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4705 ppm	100.6781 %	101.1943 %	97.6953 %	97.2933 %	99.9044 %	98.5833 %
Concentration per Run 1	0.4731 ppm	100.9469 %	101.1299 %	98.1034 %	97.8121 %	99.5873 %	98.3484 %
Concentration per Run 2	0.4720 ppm	99.8077 %	101.2279 %	97.3409 %	96.5974 %	100.1050 %	98.4793 %
Concentration per Run 3	0.4664 ppm	101.2798 %	101.2253 %	97.6415 %	97.4703 %	100.0207 %	98.9222 %
Recovery Percentage 1	94.095 %						
Concentration RSD	0.8 %	0.8 %	0.1 %	0.4 %	0.6 %	0.3 %	0.3 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: CCB
 Analysis started at: 6/30/2025 6:54:52 PM
 Rack: 0
 Vial: 4
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0002 ppm	-0.0020 ppm	-0.0010 ppm	0.0012 ppm	0.0001 ppm	0.0000 ppm	0.0015 ppm
Concentration per Run 1	0.0004 ppm	0.0002 ppm	-0.0014 ppm	0.0009 ppm	0.0000 ppm	0.0000 ppm	0.0001 ppm
Concentration per Run 2	-0.0001 ppm	-0.0059 ppm	-0.0006 ppm	0.0005 ppm	0.0000 ppm	0.0000 ppm	0.0029 ppm
Concentration per Run 3	0.0003 ppm	-0.0004 ppm	-0.0008 ppm	0.0020 ppm	0.0001 ppm	0.0000 ppm	0.0014 ppm
Recovery Percentage 1	2.696 %	-2.035 %	-19.113 %	3.865 %	0.562 %	0.595 %	1.494 %
Concentration RSD	143.9 %	165.4 %	46.4 %	64.4 %	98.0 %	64.8 %	93.8 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0000 ppm	-0.0001 ppm	-0.0001 ppm	0.0001 ppm	0.0011 ppm	0.0021 ppm	0.0004 ppm
Concentration per Run 1	0.0000 ppm	0.0000 ppm	0.0001 ppm	0.0001 ppm	0.0012 ppm	-0.0067 ppm	0.0007 ppm
Concentration per Run 2	0.0000 ppm	0.0001 ppm	-0.0003 ppm	0.0002 ppm	0.0015 ppm	0.0102 ppm	0.0002 ppm
Concentration per Run 3	-0.0001 ppm	-0.0004 ppm	-0.0001 ppm	0.0000 ppm	0.0007 ppm	0.0029 ppm	0.0004 ppm
Recovery Percentage 1	-0.702 %	-0.479 %	-1.043 %	0.870 %	2.273 %	0.085 %	8.907 %
Concentration RSD	174.2 %	300.4 %	232.7 %	118.2 %	39.3 %	397.7 %	63.7 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0013 ppm	0.0001 ppm	0.0022 ppm	0.0115 ppm	0.0004 ppm	-0.0003 ppm	-0.0002 ppm
Concentration per Run 1	0.0013 ppm	0.0001 ppm	0.0021 ppm	0.0138 ppm	0.0006 ppm	-0.0010 ppm	0.0000 ppm
Concentration per Run 2	0.0006 ppm	0.0000 ppm	0.0024 ppm	0.0091 ppm	0.0004 ppm	0.0004 ppm	0.0001 ppm
Concentration per Run 3	0.0021 ppm	0.0002 ppm	0.0022 ppm	0.0115 ppm	0.0003 ppm	-0.0003 ppm	-0.0006 ppm
Recovery Percentage 1	1.305 %	1.004 %	4.484 %	0.575 %	1.766 %	-2.738 %	-0.301 %
Concentration RSD	56.9 %	107.2 %	7.6 %	20.4 %	26.9 %	258.5 %	271.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0025 ppm	-0.0032 ppm	0.0004 ppm	0.0000 ppm	0.0002 ppm	0.0006 ppm	0.0000 ppm
Concentration per Run 1	0.0024 ppm	-0.0029 ppm	0.0007 ppm	0.0000 ppm	0.0003 ppm	0.0004 ppm	0.0002 ppm
Concentration per Run 2	0.0024 ppm	-0.0035 ppm	0.0002 ppm	0.0000 ppm	0.0003 ppm	0.0010 ppm	-0.0001 ppm
Concentration per Run 3	0.0025 ppm	-0.0031 ppm	0.0002 ppm	0.0000 ppm	0.0002 ppm	0.0006 ppm	-0.0001 ppm
Recovery Percentage 1	24.543 %	-0.630 %	0.743 %	-0.060 %	2.417 %	3.165 %	-0.027 %
Concentration RSD	3.6 %	10.3 %	65.8 %	533.1 %	28.1 %	48.9 %	7,552.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0004 ppm	101.6729 %	100.2856 %	99.6923 %	100.2991 %	100.3192 %	100.3615 %
Concentration per Run 1	-0.0005 ppm	100.6837 %	100.3773 %	100.3965 %	99.3149 %	100.5691 %	100.7032 %
Concentration per Run 2	-0.0005 ppm	101.9032 %	100.1600 %	98.8951 %	100.3807 %	99.7911 %	100.4685 %
Concentration per Run 3	-0.0004 ppm	102.4319 %	100.3195 %	99.7852 %	101.2017 %	100.5975 %	99.9126 %
Recovery Percentage 1	-8.933 %						
Concentration RSD	19.8 %	0.9 %	0.1 %	0.8 %	0.9 %	0.5 %	0.4 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: WG2082696-1 WG2082696
 Analysis started at: 6/30/2025 8:00:11 PM
 Rack: 2
 Vial: 18
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0001 ppm	0.0057 ppm	-0.0010 ppm	0.0008 ppm	0.0002 ppm	0.0000 ppm	0.0119 ppm
Concentration per Run 1	0.0000 ppm	0.0066 ppm	-0.0003 ppm	0.0011 ppm	0.0002 ppm	0.0000 ppm	0.0115 ppm
Concentration per Run 2	0.0001 ppm	0.0061 ppm	-0.0025 ppm	0.0009 ppm	0.0002 ppm	0.0000 ppm	0.0132 ppm
Concentration per Run 3	0.0001 ppm	0.0043 ppm	-0.0001 ppm	0.0003 ppm	0.0001 ppm	0.0000 ppm	0.0110 ppm
Recovery Percentage 1	0.977 %	5.672 %	-19.183 %	2.506 %	1.534 %	-0.171 %	11.896 %
Concentration RSD	146.9 %	21.9 %	140.1 %	56.5 %	28.7 %	105.7 %	9.7 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0000 ppm	-0.0003 ppm	0.0005 ppm	0.0005 ppm	0.0194 ppm	0.0085 ppm	0.0004 ppm
Concentration per Run 1	0.0000 ppm	-0.0005 ppm	0.0005 ppm	0.0006 ppm	0.0190 ppm	0.0049 ppm	0.0002 ppm
Concentration per Run 2	0.0000 ppm	-0.0004 ppm	0.0004 ppm	0.0005 ppm	0.0193 ppm	0.0111 ppm	0.0003 ppm
Concentration per Run 3	0.0000 ppm	0.0000 ppm	0.0005 ppm	0.0005 ppm	0.0199 ppm	0.0097 ppm	0.0008 ppm
Recovery Percentage 1	0.454 %	-1.478 %	4.692 %	5.332 %	38.781 %	0.342 %	8.089 %
Concentration RSD	113.7 %	97.2 %	11.3 %	7.9 %	2.5 %	38.3 %	76.7 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0045 ppm	0.0007 ppm	-0.0001 ppm	0.0225 ppm	-0.0002 ppm	-0.0002 ppm	-0.0022 ppm
Concentration per Run 1	0.0040 ppm	0.0008 ppm	0.0001 ppm	0.0227 ppm	0.0000 ppm	-0.0005 ppm	-0.0010 ppm
Concentration per Run 2	0.0047 ppm	0.0007 ppm	-0.0002 ppm	0.0225 ppm	-0.0004 ppm	-0.0010 ppm	-0.0013 ppm
Concentration per Run 3	0.0047 ppm	0.0006 ppm	-0.0003 ppm	0.0223 ppm	-0.0002 ppm	0.0008 ppm	-0.0043 ppm
Recovery Percentage 1	4.471 %	6.947 %	-0.248 %	1.125 %	-0.698 %	-2.176 %	-4.424 %
Concentration RSD	9.4 %	14.4 %	193.5 %	1.0 %	116.4 %	441.8 %	81.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0004 ppm	0.0055 ppm	0.0064 ppm	0.0000 ppm	0.0002 ppm	-0.0003 ppm	0.0000 ppm
Concentration per Run 1	-0.0009 ppm	0.0053 ppm	0.0065 ppm	0.0000 ppm	0.0002 ppm	-0.0005 ppm	0.0000 ppm
Concentration per Run 2	0.0003 ppm	0.0069 ppm	0.0069 ppm	0.0000 ppm	0.0002 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run 3	0.0020 ppm	0.0044 ppm	0.0059 ppm	0.0000 ppm	0.0001 ppm	-0.0006 ppm	0.0000 ppm
Recovery Percentage 1	4.369 %	1.106 %	12.885 %	0.016 %	1.851 %	-1.706 %	-0.177 %
Concentration RSD	332.2 %	23.6 %	8.0 %	523.8 %	46.6 %	96.1 %	203.4 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0013 ppm	101.4487 %	100.6496 %	101.3100 %	98.9638 %	100.1017 %	99.9535 %
Concentration per Run 1	0.0014 ppm	101.0770 %	100.9109 %	102.6578 %	98.3777 %	100.7349 %	100.3483 %
Concentration per Run 2	0.0015 ppm	101.4026 %	100.4366 %	101.2123 %	99.2388 %	99.6758 %	99.9145 %
Concentration per Run 3	0.0011 ppm	101.8666 %	100.6013 %	100.0599 %	99.2750 %	99.8944 %	99.5979 %
Recovery Percentage 1	26.263 %						
Concentration RSD	13.4 %	0.4 %	0.2 %	1.3 %	0.5 %	0.6 %	0.4 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: WG2082696-2D2 WG2082696
 Analysis started at: 6/30/2025 8:03:37 PM
 Rack: 2
 Vial: 19
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0555 ppm	2.2713 ppm	0.1230 ppm	0.9716 ppm	2.2455 ppm	0.0556 ppm	10.1630 ppm
Concentration per Run 1	0.0560 ppm	2.2908 ppm	0.1223 ppm	0.9709 ppm	2.2498 ppm	0.0557 ppm	10.1633 ppm
Concentration per Run 2	0.0550 ppm	2.2782 ppm	0.1245 ppm	0.9730 ppm	2.2415 ppm	0.0555 ppm	10.1387 ppm
Concentration per Run 3	0.0555 ppm	2.2449 ppm	0.1223 ppm	0.9709 ppm	2.2451 ppm	0.0556 ppm	10.1871 ppm
Concentration RSD	0.9 %	1.0 %	1.0 %	0.1 %	0.2 %	0.2 %	0.2 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0489 ppm	0.5191 ppm	0.2114 ppm	0.2760 ppm	1.1149 ppm	11.0589 ppm	0.0002 ppm
Concentration per Run 1	0.0488 ppm	0.5188 ppm	0.2116 ppm	0.2774 ppm	1.1154 ppm	11.2276 ppm	0.0004 ppm
Concentration per Run 2	0.0490 ppm	0.5189 ppm	0.2118 ppm	0.2756 ppm	1.1117 ppm	11.0122 ppm	0.0002 ppm
Concentration per Run 3	0.0488 ppm	0.5194 ppm	0.2109 ppm	0.2749 ppm	1.1175 ppm	10.9369 ppm	0.0001 ppm
Concentration RSD	0.2 %	0.1 %	0.2 %	0.5 %	0.3 %	1.4 %	54.6 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	9.9272 ppm	0.5427 ppm	0.9683 ppm	11.2459 ppm	0.5383 ppm	0.5586 ppm	0.4966 ppm
Concentration per Run 1	9.9410 ppm	0.5441 ppm	0.9654 ppm	11.4163 ppm	0.5365 ppm	0.5592 ppm	0.4959 ppm
Concentration per Run 2	9.9556 ppm	0.5418 ppm	0.9690 ppm	11.2158 ppm	0.5387 ppm	0.5600 ppm	0.4947 ppm
Concentration per Run 3	9.8850 ppm	0.5423 ppm	0.9706 ppm	11.1057 ppm	0.5397 ppm	0.5567 ppm	0.4991 ppm
Concentration RSD	0.4 %	0.2 %	0.3 %	1.4 %	0.3 %	0.3 %	0.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.1244 ppm	0.6892 ppm	0.9909 ppm	1.0049 ppm	0.9998 ppm	0.1281 ppm	0.5536 ppm
Concentration per Run 1	0.1247 ppm	0.6870 ppm	0.9844 ppm	1.0081 ppm	1.0024 ppm	0.1285 ppm	0.5534 ppm
Concentration per Run 2	0.1243 ppm	0.6880 ppm	0.9933 ppm	1.0027 ppm	1.0025 ppm	0.1284 ppm	0.5550 ppm
Concentration per Run 3	0.1242 ppm	0.6925 ppm	0.9949 ppm	1.0040 ppm	0.9944 ppm	0.1273 ppm	0.5526 ppm
Concentration RSD	0.2 %	0.4 %	0.6 %	0.3 %	0.5 %	0.5 %	0.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.5273 ppm	99.6160 %	99.8304 %	93.3717 %	95.9641 %	97.9420 %	96.1407 %
Concentration per Run 1	0.5248 ppm	100.2031 %	100.2721 %	93.0463 %	96.8321 %	98.8918 %	96.0927 %
Concentration per Run 2	0.5303 ppm	99.1742 %	99.9407 %	93.5744 %	95.7077 %	97.4650 %	96.2506 %
Concentration per Run 3	0.5267 ppm	99.4706 %	99.2785 %	93.4945 %	95.3525 %	97.4691 %	96.0788 %
Concentration RSD	0.5 %	0.5 %	0.5 %	0.3 %	0.8 %	0.8 %	0.1 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: xLDR 300 Na
 Analysis started at: 6/30/2025 8:35:05 PM
 Rack: 2
 Vial: 47
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0001 ppm	-0.0013 ppm	0.0007 ppm	0.0004 ppm	0.0000 ppm	0.0000 ppm	0.0014 ppm
Concentration per Run 1	0.0000 ppm	-0.0015 ppm	0.0008 ppm	0.0007 ppm	0.0000 ppm	0.0000 ppm	0.0016 ppm
Concentration per Run 2	0.0001 ppm	-0.0042 ppm	0.0003 ppm	0.0013 ppm	0.0001 ppm	0.0000 ppm	0.0010 ppm
Concentration per Run 3	0.0002 ppm	0.0018 ppm	0.0010 ppm	-0.0009 ppm	0.0000 ppm	0.0000 ppm	0.0016 ppm
Concentration RSD	79.4 %	229.7 %	50.9 %	301.5 %	77.7 %	110.6 %	24.3 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0000 ppm	-0.0001 ppm	0.0003 ppm	0.0006 ppm	0.0008 ppm	0.0327 ppm	0.0003 ppm
Concentration per Run 1	0.0000 ppm	-0.0001 ppm	0.0002 ppm	0.0006 ppm	0.0011 ppm	0.0257 ppm	0.0006 ppm
Concentration per Run 2	0.0000 ppm	-0.0003 ppm	0.0003 ppm	0.0005 ppm	0.0013 ppm	0.0304 ppm	0.0003 ppm
Concentration per Run 3	0.0000 ppm	0.0001 ppm	0.0004 ppm	0.0008 ppm	0.0000 ppm	0.0420 ppm	0.0001 ppm
Concentration RSD	173.1 %	207.9 %	24.0 %	27.0 %	84.9 %	25.6 %	81.0 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0025 ppm	0.0002 ppm	0.0001 ppm	268.2720 [SIC 500]	-0.0003 ppm	-0.0007 ppm	-0.0012 ppm
Concentration per Run 1	0.0023 ppm	0.0003 ppm	0.0005 ppm	269.9081 ppm	-0.0004 ppm	-0.0006 ppm	-0.0001 ppm
Concentration per Run 2	0.0036 ppm	0.0001 ppm	-0.0001 ppm	266.4122 ppm	-0.0005 ppm	-0.0003 ppm	-0.0018 ppm
Concentration per Run 3	0.0017 ppm	0.0003 ppm	0.0001 ppm	268.4957 ppm	0.0000 ppm	-0.0012 ppm	-0.0016 ppm
Concentration RSD	38.1 %	36.4 %	231.5 %	0.7 %	79.3 %	66.8 %	81.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0011 ppm	-0.0074 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0004 ppm	0.0000 ppm
Concentration per Run 1	-0.0002 ppm	-0.0064 ppm	0.0006 ppm	0.0000 ppm	0.0000 ppm	0.0002 ppm	0.0000 ppm
Concentration per Run 2	0.0026 ppm	-0.0070 ppm	0.0001 ppm	0.0000 ppm	0.0002 ppm	0.0014 ppm	0.0000 ppm
Concentration per Run 3	0.0009 ppm	-0.0088 ppm	-0.0007 ppm	0.0000 ppm	-0.0002 ppm	-0.0003 ppm	-0.0001 ppm
Concentration RSD	126.5 %	16.5 %	2,684.9 %	61.8 %	6,441.9 %	194.8 %	239.1 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0055 ppm	93.2260 %	97.4346 %	82.9101 %	89.4009 %	95.3640 %	90.9216 %
Concentration per Run 1	0.0054 ppm	93.7856 %	97.0488 %	83.4238 %	90.0641 %	94.9715 %	90.9726 %
Concentration per Run 2	0.0055 ppm	92.9249 %	97.5091 %	82.6957 %	89.3210 %	95.1196 %	91.1776 %
Concentration per Run 3	0.0056 ppm	92.9676 %	97.7460 %	82.6108 %	88.8176 %	96.0011 %	90.6146 %
Concentration RSD	1.9 %	0.5 %	0.4 %	0.5 %	0.7 %	0.6 %	0.3 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: L2536204-02d2 WG2082696
 Analysis started at: 6/30/2025 8:38:25 PM
 Rack: 2
 Vial: 26
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0003 ppm	19.0797 ppm	0.0118 ppm	0.0187 ppm	0.2171 ppm	0.0011 ppm	18.3972 ppm
Concentration per Run 1	0.0003 ppm	19.0212 ppm	0.0123 ppm	0.0179 ppm	0.2168 ppm	0.0011 ppm	18.5625 ppm
Concentration per Run 2	0.0005 ppm	19.2148 ppm	0.0113 ppm	0.0186 ppm	0.2180 ppm	0.0011 ppm	18.3481 ppm
Concentration per Run 3	0.0003 ppm	19.0032 ppm	0.0117 ppm	0.0196 ppm	0.2164 ppm	0.0011 ppm	18.2810 ppm
Concentration RSD	35.9 %	0.6 %	4.2 %	4.6 %	0.4 %	1.4 %	0.8 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0019 ppm	0.0167 ppm	0.0530 ppm	0.9668 ppm	45.0421 ppm	2.4854 ppm	0.0437 ppm
Concentration per Run 1	0.0019 ppm	0.0163 ppm	0.0526 ppm	0.9618 ppm	45.5913 ppm	2.4831 ppm	0.0436 ppm
Concentration per Run 2	0.0019 ppm	0.0168 ppm	0.0535 ppm	0.9733 ppm	44.8724 ppm	2.5194 ppm	0.0439 ppm
Concentration per Run 3	0.0019 ppm	0.0169 ppm	0.0527 ppm	0.9651 ppm	44.6627 ppm	2.4535 ppm	0.0435 ppm
Concentration RSD	1.1 %	2.1 %	0.9 %	0.6 %	1.1 %	1.3 %	0.5 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	9.9413 ppm	1.1325 ppm	0.0091 ppm	0.1594 ppm	0.0712 ppm	0.5469 ppm	-0.0012 ppm
Concentration per Run 1	9.9216 ppm	1.1369 ppm	0.0083 ppm	0.1572 ppm	0.0702 ppm	0.5534 ppm	0.0006 ppm
Concentration per Run 2	10.0258 ppm	1.1349 ppm	0.0095 ppm	0.1616 ppm	0.0720 ppm	0.5423 ppm	-0.0017 ppm
Concentration per Run 3	9.8766 ppm	1.1257 ppm	0.0095 ppm	0.1593 ppm	0.0716 ppm	0.5452 ppm	-0.0024 ppm
Concentration RSD	0.8 %	0.5 %	7.5 %	1.4 %	1.3 %	1.0 %	131.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0024 ppm	3.7756 ppm	0.0590 ppm	0.1981 ppm	0.2670 ppm	-0.0009 ppm	0.0348 ppm
Concentration per Run 1	0.0025 ppm	3.7383 ppm	0.0585 ppm	0.1978 ppm	0.2657 ppm	-0.0007 ppm	0.0345 ppm
Concentration per Run 2	0.0017 ppm	3.8089 ppm	0.0605 ppm	0.1994 ppm	0.2695 ppm	-0.0008 ppm	0.0351 ppm
Concentration per Run 3	0.0029 ppm	3.7795 ppm	0.0580 ppm	0.1972 ppm	0.2659 ppm	-0.0010 ppm	0.0347 ppm
Concentration RSD	24.7 %	0.9 %	2.2 %	0.6 %	0.8 %	20.1 %	0.8 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.7921 ppm	100.1029 %	100.4273 %	93.2350 %	101.4102 %	103.7642 %	102.6078 %
Concentration per Run 1	0.7856 ppm	100.1196 %	99.5709 %	92.9225 %	100.9960 %	102.8975 %	102.8426 %
Concentration per Run 2	0.7964 ppm	99.9604 %	100.8415 %	93.9834 %	101.6758 %	104.1130 %	102.8232 %
Concentration per Run 3	0.7942 ppm	100.2286 %	100.8696 %	92.7991 %	101.5589 %	104.2820 %	102.1576 %
Concentration RSD	0.7 %	0.1 %	0.7 %	0.7 %	0.4 %	0.7 %	0.4 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: L2536204-03d2 WG2082696
 Analysis started at: 6/30/2025 8:41:39 PM
 Rack: 2
 Vial: 27
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0029 ppm	44.2399 ppm	0.0214 ppm	0.0231 ppm	0.3109 ppm	0.0020 ppm	35.0007 ppm
Concentration per Run 1	0.0028 ppm	44.4681 ppm	0.0212 ppm	0.0233 ppm	0.3127 ppm	0.0020 ppm	35.1721 ppm
Concentration per Run 2	0.0029 ppm	44.0904 ppm	0.0214 ppm	0.0221 ppm	0.3103 ppm	0.0020 ppm	34.9570 ppm
Concentration per Run 3	0.0029 ppm	44.1611 ppm	0.0216 ppm	0.0238 ppm	0.3099 ppm	0.0020 ppm	34.8730 ppm
Concentration RSD	1.9 %	0.5 %	0.8 %	3.8 %	0.5 %	1.3 %	0.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0036 ppm	0.0259 ppm	0.1978 ppm	8.0743 ppm	94.7209 ppm	2.8000 ppm	0.0602 ppm
Concentration per Run 1	0.0036 ppm	0.0260 ppm	0.1980 ppm	8.0504 ppm	95.3580 ppm	2.8569 ppm	0.0615 ppm
Concentration per Run 2	0.0035 ppm	0.0255 ppm	0.1981 ppm	8.0859 ppm	94.4937 ppm	2.7579 ppm	0.0597 ppm
Concentration per Run 3	0.0038 ppm	0.0261 ppm	0.1972 ppm	8.0865 ppm	94.3111 ppm	2.7852 ppm	0.0593 ppm
Concentration RSD	4.3 %	1.4 %	0.3 %	0.3 %	0.6 %	1.8 %	2.0 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	22.8736 ppm	2.2252 ppm	0.0271 ppm	0.2771 ppm	0.2981 ppm	1.7854 ppm	-0.0011 ppm
Concentration per Run 1	22.9110 ppm	2.2266 ppm	0.0271 ppm	0.2792 ppm	0.2992 ppm	1.7872 ppm	-0.0020 ppm
Concentration per Run 2	22.8791 ppm	2.2287 ppm	0.0269 ppm	0.2746 ppm	0.2980 ppm	1.7887 ppm	-0.0016 ppm
Concentration per Run 3	22.8307 ppm	2.2202 ppm	0.0274 ppm	0.2776 ppm	0.2972 ppm	1.7804 ppm	0.0003 ppm
Concentration RSD	0.2 %	0.2 %	0.9 %	0.9 %	0.3 %	0.2 %	113.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0021 ppm	3.2227 ppm	0.3405 ppm	0.1209 ppm	0.3433 ppm	-0.0004 ppm	0.0525 ppm
Concentration per Run 1	0.0019 ppm	3.2162 ppm	0.3441 ppm	0.1212 ppm	0.3424 ppm	-0.0022 ppm	0.0525 ppm
Concentration per Run 2	0.0012 ppm	3.2287 ppm	0.3398 ppm	0.1210 ppm	0.3440 ppm	0.0010 ppm	0.0528 ppm
Concentration per Run 3	0.0031 ppm	3.2233 ppm	0.3375 ppm	0.1205 ppm	0.3435 ppm	0.0000 ppm	0.0522 ppm
Concentration RSD	46.2 %	0.2 %	1.0 %	0.3 %	0.2 %	412.5 %	0.6 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	3.0786 ppm	99.2920 %	100.2916 %	88.1275 %	106.2346 %	109.7246 %	104.6437 %
Concentration per Run 1	3.1001 ppm	99.3067 %	99.2222 %	88.2098 %	106.4158 %	108.6855 %	104.7038 %
Concentration per Run 2	3.0704 ppm	99.5370 %	101.0249 %	88.3220 %	106.4609 %	110.5179 %	104.7836 %
Concentration per Run 3	3.0655 ppm	99.0324 %	100.6278 %	87.8506 %	105.8272 %	109.9704 %	104.4436 %
Concentration RSD	0.6 %	0.3 %	0.9 %	0.3 %	0.3 %	0.9 %	0.2 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: L2536204-04d2 WG2082696
 Analysis started at: 6/30/2025 8:44:52 PM
 Rack: 2
 Vial: 28
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0673 ppm	53.3442 ppm	0.0142 ppm	0.0171 ppm	0.1074 ppm	0.0029 ppm	12.3590 ppm
Concentration per Run 1	0.0687 ppm	53.5693 ppm	0.0127 ppm	0.0178 ppm	0.1076 ppm	0.0029 ppm	12.3592 ppm
Concentration per Run 2	0.0675 ppm	52.9957 ppm	0.0147 ppm	0.0170 ppm	0.1067 ppm	0.0028 ppm	12.3129 ppm
Concentration per Run 3	0.0655 ppm	53.4678 ppm	0.0153 ppm	0.0164 ppm	0.1079 ppm	0.0029 ppm	12.4049 ppm
Concentration RSD	2.4 %	0.6 %	9.7 %	4.1 %	0.6 %	0.6 %	0.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0023 ppm	0.0157 ppm	0.3530 ppm	8.3184 ppm	82.2805 ppm	1.1948 ppm	0.0315 ppm
Concentration per Run 1	0.0023 ppm	0.0160 ppm	0.3589 ppm	8.4585 ppm	82.4508 ppm	1.2144 ppm	0.0325 ppm
Concentration per Run 2	0.0023 ppm	0.0152 ppm	0.3551 ppm	8.3212 ppm	81.7596 ppm	1.1772 ppm	0.0310 ppm
Concentration per Run 3	0.0022 ppm	0.0157 ppm	0.3449 ppm	8.1755 ppm	82.6311 ppm	1.1929 ppm	0.0310 ppm
Concentration RSD	3.5 %	2.6 %	2.1 %	1.7 %	0.6 %	1.6 %	2.7 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	7.2544 ppm	1.0967 ppm	0.0317 ppm	0.3416 ppm	0.7698 ppm	1.5024 ppm	-0.0008 ppm
Concentration per Run 1	7.4107 ppm	1.0980 ppm	0.0325 ppm	0.3441 ppm	0.7820 ppm	1.4940 ppm	0.0006 ppm
Concentration per Run 2	7.2372 ppm	1.0933 ppm	0.0315 ppm	0.3383 ppm	0.7759 ppm	1.5048 ppm	-0.0043 ppm
Concentration per Run 3	7.1152 ppm	1.0988 ppm	0.0311 ppm	0.3424 ppm	0.7516 ppm	1.5085 ppm	0.0013 ppm
Concentration RSD	2.0 %	0.3 %	2.2 %	0.9 %	2.1 %	0.5 %	381.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0006 ppm	3.4656 ppm	0.3583 ppm	0.0834 ppm	0.2456 ppm	-0.0001 ppm	0.0281 ppm
Concentration per Run 1	0.0011 ppm	3.5469 ppm	0.3639 ppm	0.0840 ppm	0.2501 ppm	-0.0004 ppm	0.0283 ppm
Concentration per Run 2	0.0003 ppm	3.4668 ppm	0.3577 ppm	0.0827 ppm	0.2459 ppm	-0.0001 ppm	0.0283 ppm
Concentration per Run 3	0.0002 ppm	3.3832 ppm	0.3534 ppm	0.0836 ppm	0.2408 ppm	0.0001 ppm	0.0279 ppm
Concentration RSD	90.2 %	2.4 %	1.5 %	0.8 %	1.9 %	184.2 %	0.8 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	4.3494 ppm	99.4830 %	100.2114 %	91.3578 %	101.1594 %	104.1777 %	101.2377 %
Concentration per Run 1	4.4020 ppm	98.1571 %	100.4915 %	91.7664 %	100.9614 %	104.7965 %	101.3775 %
Concentration per Run 2	4.3607 ppm	99.6314 %	100.3248 %	91.2850 %	101.1106 %	103.4081 %	101.1310 %
Concentration per Run 3	4.2855 ppm	100.6605 %	99.8178 %	91.0220 %	101.4061 %	104.3284 %	101.2046 %
Concentration RSD	1.4 %	1.3 %	0.4 %	0.4 %	0.2 %	0.7 %	0.1 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: L2536204-05d2 WG2082696
 Analysis started at: 6/30/2025 8:48:06 PM
 Rack: 2
 Vial: 29
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0034 ppm	59.3720 ppm	0.0159 ppm	0.0121 ppm	0.1242 ppm	0.0015 ppm	13.6014 ppm
Concentration per Run 1	0.0034 ppm	59.4291 ppm	0.0154 ppm	0.0123 ppm	0.1238 ppm	0.0015 ppm	13.6288 ppm
Concentration per Run 2	0.0035 ppm	59.3439 ppm	0.0152 ppm	0.0117 ppm	0.1248 ppm	0.0015 ppm	13.5343 ppm
Concentration per Run 3	0.0033 ppm	59.3428 ppm	0.0172 ppm	0.0121 ppm	0.1240 ppm	0.0015 ppm	13.6413 ppm
Concentration RSD	2.9 %	0.1 %	6.7 %	2.4 %	0.4 %	1.1 %	0.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0025 ppm	0.0139 ppm	0.1529 ppm	5.2149 ppm	85.4517 ppm	1.0257 ppm	0.0228 ppm
Concentration per Run 1	0.0025 ppm	0.0140 ppm	0.1523 ppm	5.2508 ppm	85.9389 ppm	1.0322 ppm	0.0230 ppm
Concentration per Run 2	0.0027 ppm	0.0143 ppm	0.1542 ppm	5.2200 ppm	85.3271 ppm	1.0202 ppm	0.0226 ppm
Concentration per Run 3	0.0025 ppm	0.0136 ppm	0.1520 ppm	5.1739 ppm	85.0892 ppm	1.0247 ppm	0.0228 ppm
Concentration RSD	4.2 %	2.6 %	0.8 %	0.7 %	0.5 %	0.6 %	0.8 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	8.8811 ppm	1.2491 ppm	0.0241 ppm	0.1714 ppm	0.3071 ppm	1.0908 ppm	-0.0027 ppm
Concentration per Run 1	8.9376 ppm	1.2490 ppm	0.0242 ppm	0.1712 ppm	0.3076 ppm	1.0925 ppm	-0.0021 ppm
Concentration per Run 2	8.9042 ppm	1.2426 ppm	0.0243 ppm	0.1697 ppm	0.3112 ppm	1.0858 ppm	-0.0027 ppm
Concentration per Run 3	8.8016 ppm	1.2558 ppm	0.0239 ppm	0.1733 ppm	0.3025 ppm	1.0940 ppm	-0.0034 ppm
Concentration RSD	0.8 %	0.5 %	0.8 %	1.1 %	1.4 %	0.4 %	25.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0007 ppm	2.5483 ppm	0.2519 ppm	0.0777 ppm	0.2399 ppm	0.0004 ppm	0.0271 ppm
Concentration per Run 1	0.0011 ppm	2.5613 ppm	0.2523 ppm	0.0775 ppm	0.2399 ppm	0.0003 ppm	0.0275 ppm
Concentration per Run 2	-0.0003 ppm	2.5582 ppm	0.2538 ppm	0.0781 ppm	0.2403 ppm	0.0001 ppm	0.0270 ppm
Concentration per Run 3	0.0013 ppm	2.5254 ppm	0.2496 ppm	0.0776 ppm	0.2395 ppm	0.0008 ppm	0.0268 ppm
Concentration RSD	125.0 %	0.8 %	0.9 %	0.4 %	0.2 %	85.8 %	1.4 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	2.4261 ppm	99.1037 %	100.1195 %	90.9969 %	101.2273 %	103.8192 %	102.0575 %
Concentration per Run 1	2.4312 ppm	99.8286 %	100.3177 %	90.2865 %	101.8533 %	104.3885 %	101.4845 %
Concentration per Run 2	2.4437 ppm	98.7532 %	99.9520 %	91.6012 %	101.3355 %	103.3351 %	102.4281 %
Concentration per Run 3	2.4032 ppm	98.7293 %	100.0889 %	91.1031 %	100.4932 %	103.7341 %	102.2599 %
Concentration RSD	0.9 %	0.6 %	0.2 %	0.7 %	0.7 %	0.5 %	0.5 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: L2536204-06d2 WG2082696
 Analysis started at: 6/30/2025 8:51:19 PM
 Rack: 2
 Vial: 30
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0003 ppm	59.5247 ppm	0.0610 ppm	0.0333 ppm	1.3119 ppm	0.0040 ppm	478.5782 ppm
Concentration per Run 1	0.0000 ppm	59.6032 ppm	0.0618 ppm	0.0340 ppm	1.3133 ppm	0.0040 ppm	477.6627 ppm
Concentration per Run 2	-0.0006 ppm	59.6923 ppm	0.0613 ppm	0.0338 ppm	1.3195 ppm	0.0040 ppm	479.4259 ppm
Concentration per Run 3	-0.0003 ppm	59.2785 ppm	0.0600 ppm	0.0321 ppm	1.3029 ppm	0.0040 ppm	478.6459 ppm
Concentration RSD	110.8 %	0.4 %	1.4 %	3.2 %	0.6 %	0.3 %	0.2 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0273 ppm	0.0586 ppm	0.1111 ppm	0.3258 ppm	114.5815 ppm	6.3179 ppm	0.1970 ppm
Concentration per Run 1	0.0276 ppm	0.0595 ppm	0.1116 ppm	0.3276 ppm	114.9028 ppm	6.3441 ppm	0.1976 ppm
Concentration per Run 2	0.0271 ppm	0.0578 ppm	0.1100 ppm	0.3242 ppm	114.4539 ppm	6.3891 ppm	0.1984 ppm
Concentration per Run 3	0.0273 ppm	0.0584 ppm	0.1118 ppm	0.3254 ppm	114.3877 ppm	6.2205 ppm	0.1950 ppm
Concentration RSD	0.9 %	1.5 %	0.8 %	0.5 %	0.2 %	1.4 %	0.9 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	102.1315 ppm	2.9152 ppm	0.0209 ppm	1.4849 ppm	0.1781 ppm	1.4390 ppm	-0.0034 ppm
Concentration per Run 1	103.0884 ppm	2.9102 ppm	0.0212 ppm	1.4888 ppm	0.1786 ppm	1.4362 ppm	-0.0042 ppm
Concentration per Run 2	101.7087 ppm	2.9108 ppm	0.0205 ppm	1.4976 ppm	0.1771 ppm	1.4429 ppm	-0.0019 ppm
Concentration per Run 3	101.5974 ppm	2.9246 ppm	0.0212 ppm	1.4684 ppm	0.1785 ppm	1.4379 ppm	-0.0041 ppm
Concentration RSD	0.8 %	0.3 %	2.0 %	1.0 %	0.5 %	0.2 %	36.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0047 ppm	4.7738 ppm	0.0546 ppm	3.0643 ppm	0.3681 ppm	0.0010 ppm	0.1752 ppm
Concentration per Run 1	0.0045 ppm	4.8132 ppm	0.0552 ppm	3.0595 ppm	0.3694 ppm	0.0018 ppm	0.1763 ppm
Concentration per Run 2	0.0036 ppm	4.7427 ppm	0.0546 ppm	3.0826 ppm	0.3657 ppm	0.0003 ppm	0.1739 ppm
Concentration per Run 3	0.0059 ppm	4.7655 ppm	0.0541 ppm	3.0508 ppm	0.3691 ppm	0.0009 ppm	0.1754 ppm
Concentration RSD	25.5 %	0.8 %	1.0 %	0.5 %	0.6 %	75.0 %	0.7 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	3.3263 ppm	93.1476 %	99.8480 %	75.7841 %	114.6796 %	126.5003 %	114.8631 %
Concentration per Run 1	3.3533 ppm	92.4939 %	99.8742 %	76.1750 %	114.4207 %	126.2807 %	114.7530 %
Concentration per Run 2	3.2957 ppm	93.6625 %	99.5365 %	75.4463 %	114.6811 %	126.6389 %	114.5800 %
Concentration per Run 3	3.3299 ppm	93.2863 %	100.1334 %	75.7309 %	114.9370 %	126.5812 %	115.2563 %
Concentration RSD	0.9 %	0.6 %	0.3 %	0.5 %	0.2 %	0.2 %	0.3 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: LDR 100 Na pass
 Analysis started at: 6/30/2025 8:56:05 PM
 Rack: 2
 Vial: 48
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0001 ppm	0.0010 ppm	-0.0007 ppm	0.0003 ppm	0.0001 ppm	0.0000 ppm	0.0059 ppm
Concentration per Run 1	-0.0001 ppm	0.0020 ppm	-0.0007 ppm	0.0011 ppm	0.0001 ppm	0.0000 ppm	0.0034 ppm
Concentration per Run 2	-0.0002 ppm	0.0005 ppm	-0.0005 ppm	0.0001 ppm	0.0000 ppm	0.0000 ppm	0.0064 ppm
Concentration per Run 3	-0.0001 ppm	0.0004 ppm	-0.0010 ppm	-0.0003 ppm	0.0001 ppm	0.0000 ppm	0.0079 ppm
Concentration RSD	32.7 %	91.0 %	37.6 %	245.0 %	108.4 %	69.0 %	39.1 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0001 ppm	-0.0003 ppm	0.0001 ppm	0.0005 ppm	0.0035 ppm	0.0073 ppm	0.0001 ppm
Concentration per Run 1	-0.0002 ppm	-0.0001 ppm	0.0001 ppm	0.0004 ppm	0.0039 ppm	0.0034 ppm	0.0001 ppm
Concentration per Run 2	-0.0001 ppm	-0.0006 ppm	0.0000 ppm	0.0005 ppm	0.0038 ppm	0.0116 ppm	0.0003 ppm
Concentration per Run 3	-0.0001 ppm	-0.0003 ppm	0.0001 ppm	0.0005 ppm	0.0029 ppm	0.0069 ppm	-0.0001 ppm
Concentration RSD	78.5 %	76.5 %	64.0 %	19.9 %	16.3 %	56.2 %	155.2 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0031 ppm	0.0002 ppm	0.0002 ppm	98.3345 ppm	-0.0002 ppm	-0.0012 ppm	-0.0020 ppm
Concentration per Run 1	0.0033 ppm	0.0001 ppm	0.0000 ppm	98.6299 ppm	-0.0006 ppm	-0.0007 ppm	-0.0027 ppm
Concentration per Run 2	0.0035 ppm	0.0002 ppm	0.0004 ppm	98.0097 ppm	-0.0003 ppm	-0.0015 ppm	-0.0027 ppm
Concentration per Run 3	0.0023 ppm	0.0002 ppm	0.0001 ppm	98.3639 ppm	0.0004 ppm	-0.0014 ppm	-0.0005 ppm
Concentration RSD	20.2 %	38.8 %	116.7 %	0.3 %	254.7 %	37.0 %	65.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0013 ppm	-0.0048 ppm	-0.0004 ppm	0.0000 ppm	0.0001 ppm	0.0016 ppm	0.0000 ppm
Concentration per Run 1	0.0001 ppm	-0.0046 ppm	-0.0006 ppm	0.0000 ppm	-0.0001 ppm	0.0010 ppm	0.0001 ppm
Concentration per Run 2	0.0028 ppm	-0.0050 ppm	0.0000 ppm	0.0000 ppm	0.0001 ppm	0.0016 ppm	-0.0001 ppm
Concentration per Run 3	0.0011 ppm	-0.0048 ppm	-0.0006 ppm	0.0000 ppm	0.0001 ppm	0.0023 ppm	0.0000 ppm
Concentration RSD	102.7 %	4.7 %	92.3 %	306.1 %	158.4 %	39.5 %	833.6 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0001 ppm	97.2898 %	98.9248 %	90.8590 %	93.7486 %	97.5806 %	95.0575 %
Concentration per Run 1	-0.0001 ppm	97.4752 %	98.6080 %	90.5010 %	94.0183 %	97.5335 %	94.9528 %
Concentration per Run 2	0.0000 ppm	97.5931 %	99.1560 %	91.1537 %	93.8864 %	97.5185 %	95.3318 %
Concentration per Run 3	-0.0002 ppm	96.8010 %	99.0103 %	90.9224 %	93.3412 %	97.6899 %	94.8881 %
Concentration RSD	92.6 %	0.4 %	0.3 %	0.4 %	0.4 %	0.1 %	0.3 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: L2537908-02d2 WG2082696
 Analysis started at: 6/30/2025 8:59:19 PM
 Rack: 2
 Vial: 31
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0004 ppm	11.1644 ppm	0.0406 ppm	0.0038 ppm	0.0659 ppm	0.0002 ppm	2.8675 ppm
Concentration per Run 1	0.0006 ppm	11.1518 ppm	0.0419 ppm	0.0043 ppm	0.0661 ppm	0.0002 ppm	2.8688 ppm
Concentration per Run 2	0.0002 ppm	11.2498 ppm	0.0390 ppm	0.0033 ppm	0.0661 ppm	0.0002 ppm	2.8665 ppm
Concentration per Run 3	0.0004 ppm	11.0915 ppm	0.0410 ppm	0.0037 ppm	0.0656 ppm	0.0003 ppm	2.8672 ppm
Concentration RSD	45.4 %	0.7 %	3.6 %	13.3 %	0.5 %	9.5 %	0.0 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0017 ppm	0.0026 ppm	0.0838 ppm	0.0353 ppm	16.8979 ppm	0.5042 ppm	0.0046 ppm
Concentration per Run 1	0.0017 ppm	0.0025 ppm	0.0837 ppm	0.0351 ppm	16.9088 ppm	0.5030 ppm	0.0043 ppm
Concentration per Run 2	0.0017 ppm	0.0026 ppm	0.0839 ppm	0.0355 ppm	16.8757 ppm	0.5110 ppm	0.0045 ppm
Concentration per Run 3	0.0018 ppm	0.0028 ppm	0.0837 ppm	0.0352 ppm	16.9092 ppm	0.4985 ppm	0.0051 ppm
Concentration RSD	2.1 %	5.2 %	0.2 %	0.6 %	0.1 %	1.3 %	8.6 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.9632 ppm	0.7077 ppm	0.0017 ppm	0.0520 ppm	0.0058 ppm	0.2263 ppm	-0.0015 ppm
Concentration per Run 1	0.9656 ppm	0.7075 ppm	0.0019 ppm	0.0519 ppm	0.0056 ppm	0.2260 ppm	-0.0011 ppm
Concentration per Run 2	0.9648 ppm	0.7073 ppm	0.0016 ppm	0.0531 ppm	0.0061 ppm	0.2255 ppm	-0.0012 ppm
Concentration per Run 3	0.9592 ppm	0.7083 ppm	0.0018 ppm	0.0511 ppm	0.0059 ppm	0.2272 ppm	-0.0022 ppm
Concentration RSD	0.4 %	0.1 %	9.6 %	1.9 %	4.5 %	0.4 %	40.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0018 ppm	2.0660 ppm	0.0041 ppm	0.0117 ppm	0.2565 ppm	-0.0005 ppm	0.0301 ppm
Concentration per Run 1	0.0016 ppm	2.0543 ppm	0.0037 ppm	0.0119 ppm	0.2567 ppm	-0.0010 ppm	0.0302 ppm
Concentration per Run 2	0.0018 ppm	2.0736 ppm	0.0044 ppm	0.0117 ppm	0.2580 ppm	0.0001 ppm	0.0301 ppm
Concentration per Run 3	0.0019 ppm	2.0702 ppm	0.0044 ppm	0.0117 ppm	0.2549 ppm	-0.0006 ppm	0.0298 ppm
Concentration RSD	7.3 %	0.5 %	9.3 %	0.9 %	0.6 %	106.2 %	0.6 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.1098 ppm	102.2310 %	102.0162 %	98.6066 %	100.1015 %	101.3843 %	100.9275 %
Concentration per Run 1	0.1095 ppm	102.6523 %	102.8083 %	99.0476 %	100.3045 %	101.8332 %	101.3779 %
Concentration per Run 2	0.1102 ppm	101.8831 %	101.7092 %	98.6753 %	99.7323 %	101.4834 %	100.5341 %
Concentration per Run 3	0.1096 ppm	102.1575 %	101.5311 %	98.0970 %	100.2677 %	100.8362 %	100.8705 %
Concentration RSD	0.4 %	0.4 %	0.7 %	0.5 %	0.3 %	0.5 %	0.4 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: CCV
Analysis started at: 6/30/2025 9:04:36 PM
Rack: 0
Vial: 3
Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.4890 ppm	0.4712 ppm	0.4740 ppm	0.4637 ppm	0.4879 ppm	0.4878 ppm	0.4757 ppm
Concentration per Run 1	0.4889 ppm	0.4700 ppm	0.4733 ppm	0.4646 ppm	0.4855 ppm	0.4876 ppm	0.4756 ppm
Concentration per Run 2	0.4882 ppm	0.4751 ppm	0.4752 ppm	0.4618 ppm	0.4903 ppm	0.4892 ppm	0.4750 ppm
Concentration per Run 3	0.4897 ppm	0.4686 ppm	0.4736 ppm	0.4645 ppm	0.4879 ppm	0.4868 ppm	0.4766 ppm
Recovery Percentage 1	97.792 %	94.246 %	94.806 %	92.733 %	97.577 %	97.570 %	95.147 %
Concentration RSD	0.2 %	0.7 %	0.2 %	0.3 %	0.5 %	0.3 %	0.2 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.4613 ppm	0.4765 ppm	0.4777 ppm	0.4922 ppm	0.4870 ppm	5.1154 ppm	0.5080 ppm
Concentration per Run 1	0.4593 ppm	0.4753 ppm	0.4782 ppm	0.4924 ppm	0.4891 ppm	5.0795 ppm	0.5042 ppm
Concentration per Run 2	0.4637 ppm	0.4788 ppm	0.4788 ppm	0.4924 ppm	0.4883 ppm	5.1035 ppm	0.5090 ppm
Concentration per Run 3	0.4609 ppm	0.4754 ppm	0.4761 ppm	0.4918 ppm	0.4835 ppm	5.1633 ppm	0.5108 ppm
Recovery Percentage 1	92.261 %	95.297 %	95.534 %	98.444 %	97.393 %	102.308 %	101.603 %
Concentration RSD	0.5 %	0.4 %	0.3 %	0.1 %	0.6 %	0.8 %	0.7 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.4755 ppm	0.4877 ppm	0.4611 ppm	10.0244 ppm	0.4874 ppm	0.5057 ppm	0.4806 ppm
Concentration per Run 1	0.4766 ppm	0.4911 ppm	0.4581 ppm	9.9202 ppm	0.4885 ppm	0.5020 ppm	0.4809 ppm
Concentration per Run 2	0.4747 ppm	0.4884 ppm	0.4645 ppm	9.9799 ppm	0.4885 ppm	0.5067 ppm	0.4779 ppm
Concentration per Run 3	0.4753 ppm	0.4837 ppm	0.4605 ppm	10.1731 ppm	0.4853 ppm	0.5083 ppm	0.4829 ppm
Recovery Percentage 1	95.108 %	97.545 %	92.212 %	100.244 %	97.486 %	101.132 %	96.110 %
Concentration RSD	0.2 %	0.8 %	0.7 %	1.3 %	0.4 %	0.6 %	0.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.4799 ppm	5.0228 ppm	0.4695 ppm	0.4880 ppm	0.4737 ppm	0.5098 ppm	0.4840 ppm
Concentration per Run 1	0.4783 ppm	5.0023 ppm	0.4688 ppm	0.4844 ppm	0.4737 ppm	0.5059 ppm	0.4833 ppm
Concentration per Run 2	0.4784 ppm	5.0324 ppm	0.4722 ppm	0.4899 ppm	0.4741 ppm	0.5111 ppm	0.4854 ppm
Concentration per Run 3	0.4830 ppm	5.0338 ppm	0.4675 ppm	0.4896 ppm	0.4733 ppm	0.5124 ppm	0.4834 ppm
Recovery Percentage 1	95.976 %	95.673 %	93.901 %	97.594 %	94.737 %	101.957 %	96.807 %
Concentration RSD	0.6 %	0.4 %	0.5 %	0.6 %	0.1 %	0.7 %	0.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4727 ppm	100.9929 %	101.4574 %	97.4354 %	97.5769 %	99.5650 %	99.0152 %
Concentration per Run 1	0.4712 ppm	101.0566 %	101.1750 %	97.7168 %	97.8321 %	99.0359 %	99.1769 %
Concentration per Run 2	0.4748 ppm	100.5256 %	100.7537 %	97.0662 %	97.1564 %	99.2464 %	98.6839 %
Concentration per Run 3	0.4722 ppm	101.3967 %	102.4434 %	97.5232 %	97.7421 %	100.4126 %	99.1847 %
Recovery Percentage 1	94.548 %						
Concentration RSD	0.4 %	0.4 %	0.9 %	0.3 %	0.4 %	0.7 %	0.3 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: CCB
 Analysis started at: 6/30/2025 9:07:49 PM
 Rack: 0
 Vial: 4
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0000 ppm	0.0003 ppm	-0.0007 ppm	0.0005 ppm	0.0001 ppm	0.0000 ppm	-0.0004 ppm
Concentration per Run 1	0.0001 ppm	-0.0022 ppm	-0.0012 ppm	0.0001 ppm	0.0001 ppm	0.0000 ppm	0.0010 ppm
Concentration per Run 2	-0.0002 ppm	0.0039 ppm	-0.0008 ppm	0.0013 ppm	0.0001 ppm	0.0000 ppm	-0.0025 ppm
Concentration per Run 3	0.0000 ppm	-0.0006 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0002 ppm
Recovery Percentage 1	-0.421 %	0.347 %	-13.792 %	1.553 %	0.637 %	0.607 %	-0.445 %
Concentration RSD	504.9 %	906.7 %	94.7 %	151.5 %	32.7 %	91.4 %	413.1 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0000 ppm	-0.0001 ppm	0.0000 ppm	0.0002 ppm	0.0014 ppm	-0.0060 ppm	0.0001 ppm
Concentration per Run 1	0.0000 ppm	-0.0003 ppm	-0.0001 ppm	0.0000 ppm	0.0019 ppm	-0.0083 ppm	0.0000 ppm
Concentration per Run 2	0.0000 ppm	-0.0002 ppm	0.0003 ppm	0.0005 ppm	0.0017 ppm	-0.0086 ppm	0.0005 ppm
Concentration per Run 3	0.0000 ppm	0.0001 ppm	-0.0001 ppm	0.0001 ppm	0.0006 ppm	-0.0012 ppm	-0.0004 ppm
Recovery Percentage 1	-0.206 %	-0.572 %	0.486 %	1.988 %	2.841 %	-0.241 %	1.192 %
Concentration RSD	357.7 %	169.3 %	509.5 %	128.0 %	48.6 %	69.6 %	743.7 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0017 ppm	0.0001 ppm	0.0023 ppm	0.0111 ppm	0.0000 ppm	-0.0004 ppm	-0.0011 ppm
Concentration per Run 1	0.0020 ppm	0.0001 ppm	0.0024 ppm	0.0100 ppm	0.0005 ppm	-0.0007 ppm	0.0001 ppm
Concentration per Run 2	0.0020 ppm	0.0000 ppm	0.0024 ppm	0.0111 ppm	0.0001 ppm	-0.0001 ppm	-0.0010 ppm
Concentration per Run 3	0.0011 ppm	0.0001 ppm	0.0020 ppm	0.0122 ppm	-0.0006 ppm	-0.0003 ppm	-0.0024 ppm
Recovery Percentage 1	1.702 %	0.930 %	4.531 %	0.555 %	0.025 %	-3.865 %	-2.160 %
Concentration RSD	30.8 %	46.1 %	10.9 %	9.7 %	9,411.0 %	79.9 %	114.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0013 ppm	-0.0029 ppm	0.0005 ppm	0.0000 ppm	0.0000 ppm	0.0001 ppm	0.0001 ppm
Concentration per Run 1	0.0005 ppm	-0.0029 ppm	0.0006 ppm	0.0000 ppm	0.0000 ppm	-0.0006 ppm	0.0000 ppm
Concentration per Run 2	0.0014 ppm	-0.0031 ppm	0.0006 ppm	0.0000 ppm	0.0001 ppm	0.0000 ppm	0.0001 ppm
Concentration per Run 3	0.0021 ppm	-0.0027 ppm	0.0003 ppm	0.0001 ppm	0.0001 ppm	0.0009 ppm	0.0002 ppm
Recovery Percentage 1	13.193 %	-0.575 %	0.958 %	0.074 %	0.461 %	0.614 %	0.800 %
Concentration RSD	61.4 %	7.7 %	37.5 %	560.9 %	167.1 %	590.7 %	122.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0005 ppm	101.5755 %	100.5895 %	99.4401 %	100.7046 %	100.2768 %	101.0468 %
Concentration per Run 1	-0.0006 ppm	102.2206 %	101.2600 %	99.6981 %	100.9150 %	100.9104 %	101.5568 %
Concentration per Run 2	-0.0005 ppm	100.9822 %	100.0997 %	99.2279 %	100.6221 %	99.6161 %	100.7253 %
Concentration per Run 3	-0.0005 ppm	101.5237 %	100.4090 %	99.3942 %	100.5767 %	100.3037 %	100.8582 %
Recovery Percentage 1	-10.330 %						
Concentration RSD	8.2 %	0.6 %	0.6 %	0.2 %	0.2 %	0.6 %	0.4 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: LDR 5 Sn
 Analysis started at: 6/30/2025 9:19:43 PM
 Rack: 2
 Vial: 49
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0001 ppm	0.0004 ppm	-0.0003 ppm	0.0028 ppm	0.0001 ppm	0.0000 ppm	0.0028 ppm
Concentration per Run 1	0.0003 ppm	-0.0038 ppm	-0.0007 ppm	0.0024 ppm	0.0001 ppm	0.0000 ppm	0.0035 ppm
Concentration per Run 2	0.0001 ppm	0.0034 ppm	-0.0008 ppm	0.0033 ppm	0.0001 ppm	0.0000 ppm	0.0006 ppm
Concentration per Run 3	0.0001 ppm	0.0016 ppm	0.0005 ppm	0.0028 ppm	0.0001 ppm	0.0000 ppm	0.0043 ppm
Concentration RSD	87.8 %	957.7 %	211.9 %	16.7 %	26.5 %	103.9 %	70.0 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0001 ppm	-0.0001 ppm	0.0001 ppm	0.0001 ppm	0.0002 ppm	-0.0055 ppm	0.0000 ppm
Concentration per Run 1	0.0000 ppm	0.0001 ppm	0.0001 ppm	0.0001 ppm	0.0004 ppm	-0.0135 ppm	0.0002 ppm
Concentration per Run 2	0.0000 ppm	-0.0005 ppm	0.0001 ppm	0.0002 ppm	0.0001 ppm	0.0013 ppm	0.0002 ppm
Concentration per Run 3	-0.0001 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0002 ppm	-0.0044 ppm	-0.0003 ppm
Concentration RSD	74.6 %	250.6 %	75.4 %	121.4 %	59.1 %	134.5 %	1,245.3 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0022 ppm	0.0001 ppm	0.0005 ppm	0.0110 ppm	0.0003 ppm	-0.0005 ppm	-0.0069 ppm
Concentration per Run 1	0.0016 ppm	0.0001 ppm	0.0008 ppm	0.0080 ppm	0.0003 ppm	-0.0010 ppm	-0.0061 ppm
Concentration per Run 2	0.0020 ppm	0.0001 ppm	0.0004 ppm	0.0129 ppm	0.0005 ppm	-0.0002 ppm	-0.0067 ppm
Concentration per Run 3	0.0031 ppm	0.0000 ppm	0.0004 ppm	0.0121 ppm	0.0001 ppm	-0.0004 ppm	-0.0078 ppm
Concentration RSD	36.8 %	83.0 %	44.5 %	24.1 %	54.8 %	80.2 %	12.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0004 ppm	0.0353 ppm	4.9681 ppm	0.0000 ppm	0.0003 ppm	0.0000 ppm	0.0001 ppm
Concentration per Run 1	-0.0010 ppm	0.0346 ppm	4.9475 ppm	-0.0001 ppm	0.0003 ppm	0.0004 ppm	0.0000 ppm
Concentration per Run 2	-0.0001 ppm	0.0358 ppm	4.9824 ppm	0.0000 ppm	0.0004 ppm	-0.0006 ppm	0.0000 ppm
Concentration per Run 3	0.0000 ppm	0.0356 ppm	4.9742 ppm	0.0000 ppm	0.0002 ppm	0.0004 ppm	0.0004 ppm
Concentration RSD	156.2 %	1.9 %	0.4 %	267.9 %	39.3 %	1,974.0 %	186.8 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0003 ppm	101.9135 %	99.6975 %	101.8715 %	99.7178 %	98.7451 %	100.6778 %
Concentration per Run 1	-0.0003 ppm	102.1721 %	100.2414 %	101.9650 %	100.0885 %	99.0547 %	100.6639 %
Concentration per Run 2	-0.0004 ppm	101.8418 %	99.2990 %	101.8668 %	99.6629 %	98.1433 %	100.7439 %
Concentration per Run 3	-0.0003 ppm	101.7266 %	99.5520 %	101.7828 %	99.4021 %	99.0374 %	100.6254 %
Concentration RSD	13.3 %	0.2 %	0.5 %	0.1 %	0.3 %	0.5 %	0.1 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: L2537908-04d2 WG2082696
 Analysis started at: 6/30/2025 9:23:12 PM
 Rack: 2
 Vial: 33
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0037 ppm	18.1961 ppm	0.1867 ppm	0.0073 ppm	0.1495 ppm	0.0004 ppm	7.4276 ppm
Concentration per Run 1	0.0036 ppm	18.2829 ppm	0.1873 ppm	0.0065 ppm	0.1497 ppm	0.0004 ppm	7.4440 ppm
Concentration per Run 2	0.0038 ppm	18.2223 ppm	0.1868 ppm	0.0082 ppm	0.1502 ppm	0.0004 ppm	7.3944 ppm
Concentration per Run 3	0.0038 ppm	18.0832 ppm	0.1861 ppm	0.0071 ppm	0.1485 ppm	0.0004 ppm	7.4445 ppm
Concentration RSD	4.3 %	0.6 %	0.3 %	11.4 %	0.6 %	4.2 %	0.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0067 ppm	0.0034 ppm	0.5386 ppm	0.0593 ppm	21.8419 ppm	0.7425 ppm	0.0083 ppm
Concentration per Run 1	0.0067 ppm	0.0035 ppm	0.5360 ppm	0.0593 ppm	21.7774 ppm	0.7552 ppm	0.0088 ppm
Concentration per Run 2	0.0067 ppm	0.0031 ppm	0.5402 ppm	0.0589 ppm	21.8872 ppm	0.7475 ppm	0.0083 ppm
Concentration per Run 3	0.0068 ppm	0.0037 ppm	0.5396 ppm	0.0598 ppm	21.8610 ppm	0.7246 ppm	0.0078 ppm
Concentration RSD	0.9 %	9.2 %	0.4 %	0.8 %	0.3 %	2.1 %	6.3 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	1.8716 ppm	0.4730 ppm	0.0016 ppm	0.0766 ppm	0.0155 ppm	0.1802 ppm	-0.0013 ppm
Concentration per Run 1	1.8687 ppm	0.4738 ppm	0.0014 ppm	0.0785 ppm	0.0157 ppm	0.1801 ppm	-0.0031 ppm
Concentration per Run 2	1.8673 ppm	0.4713 ppm	0.0014 ppm	0.0771 ppm	0.0152 ppm	0.1809 ppm	0.0006 ppm
Concentration per Run 3	1.8788 ppm	0.4739 ppm	0.0019 ppm	0.0743 ppm	0.0156 ppm	0.1797 ppm	-0.0015 ppm
Concentration RSD	0.3 %	0.3 %	16.5 %	2.8 %	1.6 %	0.3 %	138.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0024 ppm	4.0442 ppm	0.0393 ppm	0.0246 ppm	0.3607 ppm	-0.0002 ppm	0.0411 ppm
Concentration per Run 1	0.0013 ppm	4.0377 ppm	0.0418 ppm	0.0247 ppm	0.3589 ppm	-0.0006 ppm	0.0412 ppm
Concentration per Run 2	0.0031 ppm	4.0265 ppm	0.0390 ppm	0.0246 ppm	0.3613 ppm	-0.0002 ppm	0.0409 ppm
Concentration per Run 3	0.0029 ppm	4.0682 ppm	0.0372 ppm	0.0245 ppm	0.3619 ppm	0.0002 ppm	0.0411 ppm
Concentration RSD	41.5 %	0.5 %	5.9 %	0.3 %	0.4 %	211.6 %	0.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.3318 ppm	100.1857 %	100.6581 %	95.8221 %	98.8244 %	101.0092 %	100.4689 %
Concentration per Run 1	0.3310 ppm	100.4671 %	100.2293 %	95.0918 %	98.8788 %	100.6771 %	100.0216 %
Concentration per Run 2	0.3308 ppm	100.6025 %	101.3416 %	96.1965 %	98.9949 %	101.7066 %	100.8402 %
Concentration per Run 3	0.3335 ppm	99.4875 %	100.4035 %	96.1780 %	98.5995 %	100.6437 %	100.5449 %
Concentration RSD	0.5 %	0.6 %	0.6 %	0.7 %	0.2 %	0.6 %	0.4 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: L2537908-05d2 WG2082696
 Analysis started at: 6/30/2025 9:28:26 PM
 Rack: 2
 Vial: 34
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0004 ppm	3.3257 ppm	0.0046 ppm	0.0047 ppm	0.0480 ppm	0.0001 ppm	5.3598 ppm
Concentration per Run 1	0.0004 ppm	3.3268 ppm	0.0047 ppm	0.0042 ppm	0.0481 ppm	0.0001 ppm	5.3725 ppm
Concentration per Run 2	0.0005 ppm	3.3077 ppm	0.0040 ppm	0.0045 ppm	0.0479 ppm	0.0002 ppm	5.3562 ppm
Concentration per Run 3	0.0004 ppm	3.3424 ppm	0.0050 ppm	0.0056 ppm	0.0481 ppm	0.0001 ppm	5.3506 ppm
Concentration RSD	17.9 %	0.5 %	11.7 %	15.9 %	0.3 %	9.3 %	0.2 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0011 ppm	0.0011 ppm	0.0296 ppm	0.0142 ppm	7.3057 ppm	0.5039 ppm	0.0021 ppm
Concentration per Run 1	0.0012 ppm	0.0012 ppm	0.0298 ppm	0.0143 ppm	7.3139 ppm	0.5062 ppm	0.0022 ppm
Concentration per Run 2	0.0011 ppm	0.0013 ppm	0.0298 ppm	0.0140 ppm	7.2845 ppm	0.5026 ppm	0.0023 ppm
Concentration per Run 3	0.0010 ppm	0.0009 ppm	0.0291 ppm	0.0142 ppm	7.3187 ppm	0.5030 ppm	0.0017 ppm
Concentration RSD	7.9 %	19.6 %	1.5 %	0.8 %	0.3 %	0.4 %	16.7 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.7793 ppm	0.3166 ppm	0.0017 ppm	0.0528 ppm	0.0039 ppm	0.0320 ppm	-0.0011 ppm
Concentration per Run 1	0.7782 ppm	0.3172 ppm	0.0019 ppm	0.0530 ppm	0.0039 ppm	0.0321 ppm	-0.0012 ppm
Concentration per Run 2	0.7838 ppm	0.3156 ppm	0.0016 ppm	0.0519 ppm	0.0044 ppm	0.0328 ppm	-0.0006 ppm
Concentration per Run 3	0.7758 ppm	0.3170 ppm	0.0016 ppm	0.0533 ppm	0.0033 ppm	0.0312 ppm	-0.0016 ppm
Concentration RSD	0.5 %	0.3 %	10.5 %	1.4 %	14.0 %	2.5 %	46.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0002 ppm	1.3518 ppm	0.0067 ppm	0.0181 ppm	0.1684 ppm	-0.0005 ppm	0.0115 ppm
Concentration per Run 1	-0.0001 ppm	1.3589 ppm	0.0062 ppm	0.0181 ppm	0.1686 ppm	-0.0007 ppm	0.0115 ppm
Concentration per Run 2	0.0011 ppm	1.3533 ppm	0.0076 ppm	0.0181 ppm	0.1693 ppm	-0.0003 ppm	0.0116 ppm
Concentration per Run 3	-0.0003 ppm	1.3433 ppm	0.0063 ppm	0.0181 ppm	0.1673 ppm	-0.0005 ppm	0.0114 ppm
Concentration RSD	384.7 %	0.6 %	11.6 %	0.0 %	0.6 %	40.6 %	0.9 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0426 ppm	102.3539 %	101.1580 %	99.8691 %	99.7305 %	99.7990 %	99.9535 %
Concentration per Run 1	0.0426 ppm	102.0914 %	101.0168 %	100.8448 %	99.4750 %	99.5129 %	99.4992 %
Concentration per Run 2	0.0433 ppm	101.4450 %	101.5111 %	98.7884 %	99.0191 %	99.9990 %	99.8540 %
Concentration per Run 3	0.0418 ppm	103.5252 %	100.9462 %	99.9742 %	100.6974 %	99.8852 %	100.5072 %
Concentration RSD	1.7 %	1.0 %	0.3 %	1.0 %	0.9 %	0.3 %	0.5 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: L2537908-06d2 WG2082696
 Analysis started at: 6/30/2025 9:33:25 PM
 Rack: 2
 Vial: 35
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0008 ppm	5.6517 ppm	0.0103 ppm	0.0028 ppm	0.0318 ppm	0.0002 ppm	1.0104 ppm
Concentration per Run 1	0.0006 ppm	5.6547 ppm	0.0119 ppm	0.0014 ppm	0.0319 ppm	0.0002 ppm	1.0115 ppm
Concentration per Run 2	0.0009 ppm	5.6760 ppm	0.0089 ppm	0.0038 ppm	0.0319 ppm	0.0002 ppm	1.0062 ppm
Concentration per Run 3	0.0008 ppm	5.6244 ppm	0.0102 ppm	0.0033 ppm	0.0316 ppm	0.0002 ppm	1.0134 ppm
Concentration RSD	15.3 %	0.5 %	14.5 %	45.0 %	0.5 %	7.8 %	0.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0009 ppm	0.0009 ppm	0.0973 ppm	0.0158 ppm	11.1606 ppm	0.3415 ppm	0.0029 ppm
Concentration per Run 1	0.0010 ppm	0.0012 ppm	0.0975 ppm	0.0158 ppm	11.1471 ppm	0.3443 ppm	0.0027 ppm
Concentration per Run 2	0.0009 ppm	0.0006 ppm	0.0974 ppm	0.0159 ppm	11.1409 ppm	0.3504 ppm	0.0035 ppm
Concentration per Run 3	0.0009 ppm	0.0010 ppm	0.0969 ppm	0.0156 ppm	11.1939 ppm	0.3298 ppm	0.0026 ppm
Concentration RSD	4.2 %	34.0 %	0.4 %	0.8 %	0.3 %	3.1 %	16.2 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.6781 ppm	0.0670 ppm	0.0033 ppm	0.0506 ppm	0.0042 ppm	0.0427 ppm	-0.0018 ppm
Concentration per Run 1	0.6763 ppm	0.0672 ppm	0.0032 ppm	0.0486 ppm	0.0036 ppm	0.0433 ppm	-0.0009 ppm
Concentration per Run 2	0.6809 ppm	0.0668 ppm	0.0033 ppm	0.0537 ppm	0.0046 ppm	0.0425 ppm	-0.0029 ppm
Concentration per Run 3	0.6769 ppm	0.0670 ppm	0.0033 ppm	0.0496 ppm	0.0044 ppm	0.0423 ppm	-0.0015 ppm
Concentration RSD	0.4 %	0.3 %	1.0 %	5.4 %	12.9 %	1.2 %	58.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0014 ppm	1.5062 ppm	0.0069 ppm	0.0062 ppm	0.2071 ppm	0.0001 ppm	0.0177 ppm
Concentration per Run 1	0.0011 ppm	1.5103 ppm	0.0066 ppm	0.0062 ppm	0.2070 ppm	-0.0003 ppm	0.0176 ppm
Concentration per Run 2	0.0014 ppm	1.5062 ppm	0.0071 ppm	0.0062 ppm	0.2074 ppm	0.0001 ppm	0.0179 ppm
Concentration per Run 3	0.0015 ppm	1.5022 ppm	0.0070 ppm	0.0062 ppm	0.2069 ppm	0.0005 ppm	0.0177 ppm
Concentration RSD	15.4 %	0.3 %	3.8 %	0.2 %	0.1 %	366.5 %	0.9 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0339 ppm	102.4330 %	100.6893 %	100.5134 %	99.9659 %	99.6629 %	100.7916 %
Concentration per Run 1	0.0342 ppm	102.3728 %	100.3052 %	99.9631 %	100.0886 %	99.0997 %	100.7583 %
Concentration per Run 2	0.0340 ppm	102.6061 %	100.6218 %	101.0887 %	100.4295 %	99.6246 %	101.2435 %
Concentration per Run 3	0.0335 ppm	102.3199 %	101.1409 %	100.4884 %	99.3796 %	100.2643 %	100.3730 %
Concentration RSD	1.0 %	0.1 %	0.4 %	0.6 %	0.5 %	0.6 %	0.4 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: L2537942-01d2 WG2082696
 Analysis started at: 6/30/2025 9:36:46 PM
 Rack: 2
 Vial: 36
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0004 ppm	61.7402 ppm	0.0959 ppm	0.0592 ppm	0.5699 ppm	0.0037 ppm	45.9983 ppm
Concentration per Run 1	-0.0005 ppm	61.6576 ppm	0.0971 ppm	0.0595 ppm	0.5667 ppm	0.0038 ppm	45.9005 ppm
Concentration per Run 2	-0.0003 ppm	62.0410 ppm	0.0956 ppm	0.0606 ppm	0.5770 ppm	0.0037 ppm	45.7868 ppm
Concentration per Run 3	-0.0005 ppm	61.5219 ppm	0.0950 ppm	0.0573 ppm	0.5659 ppm	0.0036 ppm	46.3075 ppm
Concentration RSD	23.1 %	0.4 %	1.1 %	2.9 %	1.1 %	2.9 %	0.6 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0042 ppm	0.0631 ppm	0.4005 ppm	0.4497 ppm	282.7851 ppm	6.5168 ppm	0.0866 ppm
Concentration per Run 1	0.0042 ppm	0.0631 ppm	0.4020 ppm	0.4497 ppm	283.1103 ppm	6.4363 ppm	0.0851 ppm
Concentration per Run 2	0.0042 ppm	0.0629 ppm	0.4007 ppm	0.4495 ppm	281.3246 ppm	6.6025 ppm	0.0882 ppm
Concentration per Run 3	0.0041 ppm	0.0633 ppm	0.3987 ppm	0.4497 ppm	283.9205 ppm	6.5115 ppm	0.0864 ppm
Concentration RSD	1.1 %	0.3 %	0.4 %	0.0 %	0.5 %	1.3 %	1.9 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	22.6858 ppm	7.1848 ppm	0.0396 ppm	2.3881 ppm	0.1885 ppm	0.5670 ppm	-0.0023 ppm
Concentration per Run 1	22.6802 ppm	7.1917 ppm	0.0395 ppm	2.3728 ppm	0.1898 ppm	0.5697 ppm	-0.0034 ppm
Concentration per Run 2	22.7142 ppm	7.1393 ppm	0.0391 ppm	2.4123 ppm	0.1879 ppm	0.5594 ppm	-0.0021 ppm
Concentration per Run 3	22.6629 ppm	7.2235 ppm	0.0400 ppm	2.3791 ppm	0.1879 ppm	0.5719 ppm	-0.0014 ppm
Concentration RSD	0.1 %	0.6 %	1.2 %	0.9 %	0.6 %	1.2 %	44.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0011 ppm	4.4352 ppm	0.0331 ppm	0.2073 ppm	1.5906 ppm	-0.0027 ppm	0.3152 ppm
Concentration per Run 1	0.0023 ppm	4.4418 ppm	0.0332 ppm	0.2072 ppm	1.5939 ppm	-0.0020 ppm	0.3155 ppm
Concentration per Run 2	0.0006 ppm	4.4396 ppm	0.0332 ppm	0.2108 ppm	1.5918 ppm	-0.0028 ppm	0.3150 ppm
Concentration per Run 3	0.0005 ppm	4.4242 ppm	0.0329 ppm	0.2040 ppm	1.5861 ppm	-0.0034 ppm	0.3151 ppm
Concentration RSD	88.7 %	0.2 %	0.6 %	1.6 %	0.3 %	25.2 %	0.1 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.8295 ppm	97.8960 %	99.4854 %	83.6786 %	103.3355 %	107.2625 %	104.9876 %
Concentration per Run 1	0.8284 ppm	98.1148 %	101.1634 %	83.3538 %	103.2020 %	108.8278 %	104.6346 %
Concentration per Run 2	0.8328 ppm	97.6436 %	100.3707 %	84.5311 %	103.5650 %	108.6262 %	105.4431 %
Concentration per Run 3	0.8273 ppm	97.9297 %	96.9223 %	83.1509 %	103.2393 %	104.3336 %	104.8851 %
Concentration RSD	0.4 %	0.2 %	2.3 %	0.9 %	0.2 %	2.4 %	0.4 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: L2537942-02d2 WG2082696
 Analysis started at: 6/30/2025 9:40:01 PM
 Rack: 2
 Vial: 37
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0027 ppm	42.5830 ppm	0.1991 ppm	0.0653 ppm	0.3061 ppm	0.0020 ppm	41.7457 ppm
Concentration per Run 1	-0.0023 ppm	42.5406 ppm	0.1991 ppm	0.0667 ppm	0.3065 ppm	0.0019 ppm	41.5619 ppm
Concentration per Run 2	-0.0024 ppm	42.7931 ppm	0.1989 ppm	0.0649 ppm	0.3051 ppm	0.0020 ppm	41.7821 ppm
Concentration per Run 3	-0.0033 ppm	42.4154 ppm	0.1993 ppm	0.0643 ppm	0.3066 ppm	0.0020 ppm	41.8932 ppm
Concentration RSD	21.2 %	0.5 %	0.1 %	1.9 %	0.3 %	2.6 %	0.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0041 ppm	0.0591 ppm	0.1924 ppm	0.5396 ppm	425.9668 [SIC 700]	5.1026 ppm	0.0779 ppm
Concentration per Run 1	0.0045 ppm	0.0600 ppm	0.1950 ppm	0.5415 ppm	424.7976 ppm	5.1174 ppm	0.0792 ppm
Concentration per Run 2	0.0039 ppm	0.0588 ppm	0.1924 ppm	0.5406 ppm	424.4121 ppm	5.1344 ppm	0.0778 ppm
Concentration per Run 3	0.0038 ppm	0.0585 ppm	0.1899 ppm	0.5366 ppm	428.6905 ppm	5.0560 ppm	0.0768 ppm
Concentration RSD	8.6 %	1.4 %	1.3 %	0.5 %	0.6 %	0.8 %	1.6 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	19.6672 ppm	17.3488 ppm	0.0058 ppm	0.8751 ppm	0.1057 ppm	0.7417 ppm	-0.0045 ppm
Concentration per Run 1	19.8448 ppm	17.2806 ppm	0.0063 ppm	0.8762 ppm	0.1061 ppm	0.7324 ppm	-0.0051 ppm
Concentration per Run 2	19.6361 ppm	17.3535 ppm	0.0055 ppm	0.8844 ppm	0.1054 ppm	0.7448 ppm	-0.0045 ppm
Concentration per Run 3	19.5206 ppm	17.4123 ppm	0.0055 ppm	0.8648 ppm	0.1055 ppm	0.7481 ppm	-0.0039 ppm
Concentration RSD	0.8 %	0.4 %	8.2 %	1.1 %	0.4 %	1.1 %	14.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0045 ppm	3.7694 ppm	0.0500 ppm	0.3106 ppm	4.8076 ppm	-0.0095 ppm	0.5752 ppm
Concentration per Run 1	-0.0048 ppm	3.8046 ppm	0.0523 ppm	0.3104 ppm	4.8605 ppm	-0.0096 ppm	0.5764 ppm
Concentration per Run 2	-0.0036 ppm	3.7670 ppm	0.0488 ppm	0.3101 ppm	4.7970 ppm	-0.0092 ppm	0.5766 ppm
Concentration per Run 3	-0.0050 ppm	3.7366 ppm	0.0490 ppm	0.3112 ppm	4.7653 ppm	-0.0096 ppm	0.5726 ppm
Concentration RSD	16.6 %	0.9 %	3.9 %	0.2 %	1.0 %	2.8 %	0.4 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.6954 ppm	96.9839 %	99.2849 %	79.3890 %	99.9329 %	104.3861 %	100.4428 %
Concentration per Run 1	0.7019 ppm	95.8887 %	99.6225 %	80.1728 %	98.5756 %	104.2844 %	100.8137 %
Concentration per Run 2	0.6923 ppm	97.3579 %	98.9439 %	79.0050 %	100.7935 %	104.2244 %	100.1874 %
Concentration per Run 3	0.6921 ppm	97.7051 %	99.2883 %	78.9893 %	100.4296 %	104.6495 %	100.3274 %
Concentration RSD	0.8 %	1.0 %	0.3 %	0.9 %	1.2 %	0.2 %	0.3 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: L2537942-03d2 WG2082696
 Analysis started at: 6/30/2025 9:43:14 PM
 Rack: 2
 Vial: 38
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0003 ppm	61.4884 ppm	0.0564 ppm	0.0813 ppm	0.3309 ppm	0.0026 ppm	9.6547 ppm
Concentration per Run 1	-0.0008 ppm	61.4312 ppm	0.0558 ppm	0.0792 ppm	0.3311 ppm	0.0026 ppm	9.5293 ppm
Concentration per Run 2	-0.0015 ppm	61.0647 ppm	0.0578 ppm	0.0783 ppm	0.3282 ppm	0.0025 ppm	9.8461 ppm
Concentration per Run 3	0.0015 ppm	61.9692 ppm	0.0556 ppm	0.0864 ppm	0.3334 ppm	0.0026 ppm	9.5887 ppm
Concentration RSD	606.0 %	0.7 %	2.2 %	5.5 %	0.8 %	1.9 %	1.7 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0030 ppm	0.0473 ppm	0.1185 ppm	0.1675 ppm	210.7558 ppm	14.5173 ppm	0.0304 ppm
Concentration per Run 1	0.0022 ppm	0.0454 ppm	0.1158 ppm	0.1646 ppm	208.9605 ppm	14.5400 ppm	0.0309 ppm
Concentration per Run 2	0.0024 ppm	0.0451 ppm	0.1147 ppm	0.1603 ppm	212.8050 ppm	14.2304 ppm	0.0298 ppm
Concentration per Run 3	0.0044 ppm	0.0514 ppm	0.1251 ppm	0.1777 ppm	210.5017 ppm	14.7815 ppm	0.0306 ppm
Concentration RSD	39.8 %	7.5 %	4.8 %	5.4 %	0.9 %	1.9 %	2.0 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	7.8569 ppm	1.9853 ppm	0.0039 ppm	1.2011 ppm	0.0679 ppm	0.0934 ppm	-0.0055 ppm
Concentration per Run 1	7.6835 ppm	1.9601 ppm	0.0037 ppm	1.2037 ppm	0.0668 ppm	0.0941 ppm	-0.0066 ppm
Concentration per Run 2	7.6467 ppm	2.0153 ppm	0.0041 ppm	1.1796 ppm	0.0661 ppm	0.0935 ppm	-0.0040 ppm
Concentration per Run 3	8.2405 ppm	1.9804 ppm	0.0039 ppm	1.2198 ppm	0.0708 ppm	0.0926 ppm	-0.0059 ppm
Concentration RSD	4.2 %	1.4 %	5.5 %	1.7 %	3.8 %	0.8 %	24.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0011 ppm	6.1561 ppm	0.0112 ppm	0.0880 ppm	0.8043 ppm	-0.0008 ppm	0.2434 ppm
Concentration per Run 1	-0.0004 ppm	5.8943 ppm	0.0115 ppm	0.0889 ppm	0.7888 ppm	-0.0013 ppm	0.2407 ppm
Concentration per Run 2	-0.0006 ppm	5.7902 ppm	0.0109 ppm	0.0860 ppm	0.7826 ppm	-0.0006 ppm	0.2383 ppm
Concentration per Run 3	-0.0023 ppm	6.7837 ppm	0.0112 ppm	0.0890 ppm	0.8416 ppm	-0.0005 ppm	0.2512 ppm
Concentration RSD	92.8 %	8.9 %	2.9 %	1.9 %	4.0 %	57.0 %	2.8 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.2605 ppm	95.1265 %	99.1104 %	88.3634 %	96.5486 %	101.9387 %	101.6118 %
Concentration per Run 1	0.2540 ppm	98.2603 %	101.6384 %	88.1091 %	98.7706 %	104.4331 %	101.6778 %
Concentration per Run 2	0.2515 ppm	99.8142 %	95.5520 %	88.8802 %	99.9236 %	98.4699 %	102.1525 %
Concentration per Run 3	0.2760 ppm	87.3049 %	100.1407 %	88.1010 %	90.9517 %	102.9132 %	101.0052 %
Concentration RSD	5.2 %	7.2 %	3.2 %	0.5 %	5.1 %	3.0 %	0.6 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: L2537942-04d2 WG2082696
 Analysis started at: 6/30/2025 9:46:28 PM
 Rack: 2
 Vial: 39
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0014 ppm	66.4548 ppm	0.0474 ppm	0.1493 ppm	0.1759 ppm	0.0040 ppm	9.9165 ppm
Concentration per Run 1	0.0015 ppm	66.8993 ppm	0.0458 ppm	0.1496 ppm	0.1761 ppm	0.0040 ppm	10.0198 ppm
Concentration per Run 2	0.0013 ppm	66.0240 ppm	0.0471 ppm	0.1499 ppm	0.1764 ppm	0.0040 ppm	9.8757 ppm
Concentration per Run 3	0.0013 ppm	66.4412 ppm	0.0495 ppm	0.1482 ppm	0.1753 ppm	0.0040 ppm	9.8540 ppm
Concentration RSD	8.9 %	0.7 %	3.9 %	0.6 %	0.3 %	0.9 %	0.9 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0028 ppm	0.0241 ppm	0.2051 ppm	0.0385 ppm	160.0305 ppm	20.6362 ppm	0.0223 ppm
Concentration per Run 1	0.0029 ppm	0.0237 ppm	0.2042 ppm	0.0388 ppm	160.9872 ppm	20.7744 ppm	0.0234 ppm
Concentration per Run 2	0.0028 ppm	0.0244 ppm	0.2065 ppm	0.0385 ppm	160.2575 ppm	20.4747 ppm	0.0221 ppm
Concentration per Run 3	0.0026 ppm	0.0242 ppm	0.2047 ppm	0.0383 ppm	158.8468 ppm	20.6595 ppm	0.0212 ppm
Concentration RSD	6.4 %	1.4 %	0.6 %	0.7 %	0.7 %	0.7 %	4.9 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	12.1543 ppm	0.9081 ppm	0.0045 ppm	1.0579 ppm	0.0446 ppm	0.0601 ppm	-0.0076 ppm
Concentration per Run 1	12.1510 ppm	0.9176 ppm	0.0046 ppm	1.0736 ppm	0.0442 ppm	0.0606 ppm	-0.0044 ppm
Concentration per Run 2	12.2444 ppm	0.9015 ppm	0.0046 ppm	1.0368 ppm	0.0442 ppm	0.0605 ppm	-0.0078 ppm
Concentration per Run 3	12.0675 ppm	0.9051 ppm	0.0043 ppm	1.0632 ppm	0.0452 ppm	0.0594 ppm	-0.0105 ppm
Concentration RSD	0.7 %	0.9 %	4.2 %	1.8 %	1.3 %	1.1 %	40.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0018 ppm	4.7287 ppm	0.0099 ppm	0.0862 ppm	1.3856 ppm	-0.0012 ppm	0.2135 ppm
Concentration per Run 1	0.0018 ppm	4.7402 ppm	0.0103 ppm	0.0862 ppm	1.3865 ppm	-0.0010 ppm	0.2133 ppm
Concentration per Run 2	0.0019 ppm	4.7240 ppm	0.0093 ppm	0.0867 ppm	1.3908 ppm	-0.0012 ppm	0.2150 ppm
Concentration per Run 3	0.0017 ppm	4.7219 ppm	0.0101 ppm	0.0856 ppm	1.3795 ppm	-0.0015 ppm	0.2123 ppm
Concentration RSD	3.7 %	0.2 %	5.3 %	0.6 %	0.4 %	16.6 %	0.6 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.1603 ppm	87.0477 %	96.9947 %	89.7856 %	91.6019 %	100.1548 %	103.2472 %
Concentration per Run 1	0.1607 ppm	86.9376 %	96.3673 %	89.8225 %	91.7899 %	100.0065 %	103.0949 %
Concentration per Run 2	0.1601 ppm	86.7196 %	97.1720 %	89.4937 %	90.5970 %	99.7726 %	103.0319 %
Concentration per Run 3	0.1602 ppm	87.4859 %	97.4448 %	90.0406 %	92.4189 %	100.6852 %	103.6148 %
Concentration RSD	0.2 %	0.5 %	0.6 %	0.3 %	1.0 %	0.5 %	0.3 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: L2537942-05d2 WG2082696
 Analysis started at: 6/30/2025 9:49:42 PM
 Rack: 2
 Vial: 40
 Comment: <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	0.0027 ppm	48.4570 ppm	0.1188 ppm	0.0316 ppm	0.2983 ppm	0.0026 ppm	21.8935 ppm
Concentration per Run 1	0.0020 ppm	48.3121 ppm	0.1181 ppm	0.0312 ppm	0.2983 ppm	0.0026 ppm	21.8196 ppm
Concentration per Run 2	0.0042 ppm	48.5576 ppm	0.1180 ppm	0.0317 ppm	0.3021 ppm	0.0026 ppm	21.8563 ppm
Concentration per Run 3	0.0018 ppm	48.5013 ppm	0.1202 ppm	0.0319 ppm	0.2946 ppm	0.0026 ppm	22.0046 ppm
Concentration RSD	50.6 %	0.3 %	1.0 %	1.2 %	1.3 %	1.1 %	0.4 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0098 ppm	0.0748 ppm	0.1679 ppm	0.1313 ppm	493.0669 [SIC 700]	4.4543 ppm	0.0409 ppm
Concentration per Run 1	0.0093 ppm	0.0735 ppm	0.1666 ppm	0.1299 ppm	492.6731 ppm	4.4262 ppm	0.0409 ppm
Concentration per Run 2	0.0110 ppm	0.0775 ppm	0.1725 ppm	0.1364 ppm	493.0695 ppm	4.5034 ppm	0.0417 ppm
Concentration per Run 3	0.0091 ppm	0.0734 ppm	0.1645 ppm	0.1277 ppm	493.4580 ppm	4.4333 ppm	0.0402 ppm
Concentration RSD	10.8 %	3.1 %	2.5 %	3.4 %	0.1 %	1.0 %	1.8 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	9.0568 ppm	11.7339 ppm	0.0095 ppm	0.3167 ppm	0.0972 ppm	0.1282 ppm	-0.0170 ppm
Concentration per Run 1	8.9494 ppm	11.6969 ppm	0.0094 ppm	0.3143 ppm	0.0956 ppm	0.1283 ppm	-0.0149 ppm
Concentration per Run 2	9.2580 ppm	11.7239 ppm	0.0101 ppm	0.3157 ppm	0.1001 ppm	0.1285 ppm	-0.0181 ppm
Concentration per Run 3	8.9631 ppm	11.7808 ppm	0.0090 ppm	0.3200 ppm	0.0958 ppm	0.1276 ppm	-0.0179 ppm
Concentration RSD	1.9 %	0.4 %	5.6 %	0.9 %	2.6 %	0.4 %	10.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0038 ppm	3.5221 ppm	0.0143 ppm	0.2125 ppm	2.3157 ppm	-0.0061 ppm	0.3542 ppm
Concentration per Run 1	-0.0026 ppm	3.4580 ppm	0.0143 ppm	0.2146 ppm	2.2836 ppm	-0.0061 ppm	0.3527 ppm
Concentration per Run 2	-0.0040 ppm	3.6563 ppm	0.0153 ppm	0.2148 ppm	2.3751 ppm	-0.0076 ppm	0.3567 ppm
Concentration per Run 3	-0.0048 ppm	3.4521 ppm	0.0134 ppm	0.2081 ppm	2.2884 ppm	-0.0046 ppm	0.3532 ppm
Concentration RSD	29.3 %	3.3 %	6.5 %	1.8 %	2.2 %	25.1 %	0.6 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	0.1695 ppm	84.6591 %	94.4090 %	79.5684 %	95.7555 %	105.8121 %	107.0584 %
Concentration per Run 1	0.1670 ppm	86.5013 %	95.0204 %	79.6493 %	97.4170 %	105.7365 %	107.5917 %
Concentration per Run 2	0.1744 ppm	81.2959 %	94.6806 %	79.3220 %	93.4944 %	106.0309 %	106.5135 %
Concentration per Run 3	0.1672 ppm	86.1801 %	93.5261 %	79.7340 %	96.3551 %	105.6687 %	107.0700 %
Concentration RSD	2.5 %	3.4 %	0.8 %	0.3 %	2.1 %	0.2 %	0.5 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: L2537942-06d2 WG2082696
 Analysis started at: 6/30/2025 9:52:56 PM
 Rack: 2
 Vial: 41
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0005 ppm	52.8884 ppm	0.0386 ppm	0.0236 ppm	0.2331 ppm	0.0020 ppm	6.0188 ppm
Concentration per Run 1	0.0006 ppm	52.9570 ppm	0.0388 ppm	0.0226 ppm	0.2337 ppm	0.0020 ppm	6.0615 ppm
Concentration per Run 2	0.0004 ppm	52.9552 ppm	0.0381 ppm	0.0257 ppm	0.2335 ppm	0.0020 ppm	6.0046 ppm
Concentration per Run 3	0.0004 ppm	52.7528 ppm	0.0388 ppm	0.0227 ppm	0.2323 ppm	0.0020 ppm	5.9903 ppm
Concentration RSD	22.8 %	0.2 %	1.1 %	7.5 %	0.3 %	0.5 %	0.6 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0016 ppm	0.0213 ppm	0.0746 ppm	0.0374 ppm	87.3396 ppm	8.4479 ppm	0.0259 ppm
Concentration per Run 1	0.0014 ppm	0.0214 ppm	0.0749 ppm	0.0369 ppm	87.5765 ppm	8.4836 ppm	0.0273 ppm
Concentration per Run 2	0.0015 ppm	0.0214 ppm	0.0752 ppm	0.0380 ppm	87.3754 ppm	8.4709 ppm	0.0254 ppm
Concentration per Run 3	0.0017 ppm	0.0210 ppm	0.0736 ppm	0.0373 ppm	87.0669 ppm	8.3894 ppm	0.0251 ppm
Concentration RSD	11.7 %	1.0 %	1.1 %	1.4 %	0.3 %	0.6 %	4.6 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	5.5933 ppm	0.7091 ppm	0.0029 ppm	2.2291 ppm	0.0373 ppm	0.0411 ppm	-0.0055 ppm
Concentration per Run 1	5.5773 ppm	0.7145 ppm	0.0032 ppm	2.2408 ppm	0.0373 ppm	0.0415 ppm	-0.0078 ppm
Concentration per Run 2	5.6286 ppm	0.7065 ppm	0.0026 ppm	2.2388 ppm	0.0374 ppm	0.0422 ppm	-0.0047 ppm
Concentration per Run 3	5.5740 ppm	0.7063 ppm	0.0029 ppm	2.2077 ppm	0.0372 ppm	0.0396 ppm	-0.0039 ppm
Concentration RSD	0.5 %	0.7 %	10.5 %	0.8 %	0.3 %	3.3 %	37.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0009 ppm	10.7719 ppm	0.0070 ppm	0.0755 ppm	0.7088 ppm	0.0011 ppm	0.1260 ppm
Concentration per Run 1	0.0000 ppm	10.7251 ppm	0.0072 ppm	0.0756 ppm	0.7055 ppm	0.0016 ppm	0.1259 ppm
Concentration per Run 2	0.0007 ppm	10.8821 ppm	0.0066 ppm	0.0755 ppm	0.7156 ppm	0.0016 ppm	0.1267 ppm
Concentration per Run 3	0.0020 ppm	10.7084 ppm	0.0072 ppm	0.0753 ppm	0.7054 ppm	0.0003 ppm	0.1253 ppm
Concentration RSD	111.8 %	0.9 %	4.9 %	0.2 %	0.8 %	66.2 %	0.6 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0934 ppm	87.2731 %	96.9355 %	100.8403 %	93.0822 %	102.4416 %	103.4830 %
Concentration per Run 1	0.0944 ppm	87.7617 %	95.9943 %	101.0545 %	93.3359 %	101.8461 %	103.9753 %
Concentration per Run 2	0.0943 ppm	86.1217 %	97.3326 %	100.3426 %	92.4606 %	103.1952 %	103.5437 %
Concentration per Run 3	0.0915 ppm	87.9359 %	97.4796 %	101.1239 %	93.4502 %	102.2835 %	102.9299 %
Concentration RSD	1.8 %	1.1 %	0.8 %	0.4 %	0.6 %	0.7 %	0.5 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: CCV
 Analysis started at: 6/30/2025 9:56:10 PM
 Rack: 0
 Vial: 3
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.4934 ppm	0.4725 ppm	0.4757 ppm	0.4672 ppm	0.4905 ppm	0.4889 ppm	0.4756 ppm
Concentration per Run 1	0.4956 ppm	0.4766 ppm	0.4758 ppm	0.4692 ppm	0.4928 ppm	0.4907 ppm	0.4812 ppm
Concentration per Run 2	0.4938 ppm	0.4761 ppm	0.4736 ppm	0.4670 ppm	0.4918 ppm	0.4898 ppm	0.4766 ppm
Concentration per Run 3	0.4907 ppm	0.4648 ppm	0.4779 ppm	0.4654 ppm	0.4869 ppm	0.4863 ppm	0.4690 ppm
Recovery Percentage 1	98.677 %	94.498 %	95.150 %	93.438 %	98.104 %	97.785 %	95.120 %
Concentration RSD	0.5 %	1.4 %	0.4 %	0.4 %	0.6 %	0.5 %	1.3 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.4617 ppm	0.4787 ppm	0.4795 ppm	0.4939 ppm	0.4949 ppm	5.1016 ppm	0.5070 ppm
Concentration per Run 1	0.4631 ppm	0.4796 ppm	0.4810 ppm	0.4971 ppm	0.4979 ppm	5.1619 ppm	0.5073 ppm
Concentration per Run 2	0.4631 ppm	0.4800 ppm	0.4812 ppm	0.4928 ppm	0.4962 ppm	5.1138 ppm	0.5064 ppm
Concentration per Run 3	0.4589 ppm	0.4765 ppm	0.4764 ppm	0.4920 ppm	0.4905 ppm	5.0289 ppm	0.5072 ppm
Recovery Percentage 1	92.343 %	95.734 %	95.902 %	98.789 %	98.976 %	102.031 %	101.393 %
Concentration RSD	0.5 %	0.4 %	0.6 %	0.6 %	0.8 %	1.3 %	0.1 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.4806 ppm	0.4896 ppm	0.4622 ppm	9.9861 ppm	0.4883 ppm	0.5070 ppm	0.4821 ppm
Concentration per Run 1	0.4819 ppm	0.4917 ppm	0.4614 ppm	10.0164 ppm	0.4884 ppm	0.5046 ppm	0.4798 ppm
Concentration per Run 2	0.4820 ppm	0.4911 ppm	0.4623 ppm	9.8956 ppm	0.4898 ppm	0.5064 ppm	0.4862 ppm
Concentration per Run 3	0.4778 ppm	0.4861 ppm	0.4629 ppm	10.0464 ppm	0.4865 ppm	0.5099 ppm	0.4804 ppm
Recovery Percentage 1	96.110 %	97.922 %	92.434 %	99.861 %	97.650 %	101.394 %	96.427 %
Concentration RSD	0.5 %	0.6 %	0.2 %	0.8 %	0.3 %	0.5 %	0.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.4797 ppm	5.0732 ppm	0.4721 ppm	0.4878 ppm	0.4757 ppm	0.5108 ppm	0.4860 ppm
Concentration per Run 1	0.4786 ppm	5.0920 ppm	0.4726 ppm	0.4896 ppm	0.4767 ppm	0.5089 ppm	0.4869 ppm
Concentration per Run 2	0.4802 ppm	5.0762 ppm	0.4701 ppm	0.4891 ppm	0.4781 ppm	0.5097 ppm	0.4866 ppm
Concentration per Run 3	0.4804 ppm	5.0513 ppm	0.4735 ppm	0.4846 ppm	0.4722 ppm	0.5137 ppm	0.4844 ppm
Recovery Percentage 1	95.948 %	96.632 %	94.417 %	97.558 %	95.130 %	102.158 %	97.191 %
Concentration RSD	0.2 %	0.4 %	0.4 %	0.6 %	0.6 %	0.5 %	0.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4729 ppm	100.7560 %	100.5267 %	97.4812 %	97.8930 %	98.7426 %	99.1428 %
Concentration per Run 1	0.4727 ppm	100.6849 %	99.7797 %	97.7799 %	98.0635 %	98.2905 %	99.2932 %
Concentration per Run 2	0.4735 ppm	100.6893 %	100.8198 %	97.4877 %	97.9666 %	98.9497 %	99.1309 %
Concentration per Run 3	0.4723 ppm	100.8938 %	100.9805 %	97.1761 %	97.6488 %	98.9875 %	99.0042 %
Recovery Percentage 1	94.572 %						
Concentration RSD	0.1 %	0.1 %	0.6 %	0.3 %	0.2 %	0.4 %	0.1 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: CCB
 Analysis started at: 6/30/2025 9:59:23 PM
 Rack: 0
 Vial: 4
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0001 ppm	0.0030 ppm	0.0000 ppm	0.0004 ppm	0.0000 ppm	0.0000 ppm	0.0021 ppm
Concentration per Run 1	0.0002 ppm	0.0032 ppm	-0.0002 ppm	0.0014 ppm	0.0000 ppm	0.0000 ppm	0.0030 ppm
Concentration per Run 2	0.0001 ppm	0.0033 ppm	0.0002 ppm	0.0003 ppm	0.0001 ppm	0.0000 ppm	0.0012 ppm
Concentration per Run 3	0.0000 ppm	0.0024 ppm	0.0000 ppm	-0.0005 ppm	0.0000 ppm	0.0000 ppm	0.0023 ppm
Recovery Percentage 1	1.236 %	2.966 %	0.282 %	1.347 %	0.319 %	0.943 %	2.149 %
Concentration RSD	99.4 %	16.0 %	1,524.3 %	234.8 %	91.5 %	19.6 %	43.1 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0000 ppm	-0.0003 ppm	0.0002 ppm	0.0001 ppm	0.0026 ppm	0.0014 ppm	0.0002 ppm
Concentration per Run 1	0.0000 ppm	-0.0002 ppm	0.0001 ppm	0.0001 ppm	0.0020 ppm	0.0019 ppm	0.0001 ppm
Concentration per Run 2	0.0000 ppm	-0.0005 ppm	0.0001 ppm	-0.0001 ppm	0.0031 ppm	-0.0024 ppm	0.0004 ppm
Concentration per Run 3	0.0000 ppm	-0.0001 ppm	0.0003 ppm	0.0003 ppm	0.0028 ppm	0.0046 ppm	0.0001 ppm
Recovery Percentage 1	-0.409 %	-1.413 %	1.607 %	1.164 %	5.268 %	0.054 %	3.947 %
Concentration RSD	197.4 %	71.9 %	87.3 %	147.1 %	22.0 %	259.7 %	93.9 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0017 ppm	0.0002 ppm	0.0020 ppm	0.0047 ppm	0.0001 ppm	-0.0008 ppm	-0.0013 ppm
Concentration per Run 1	0.0009 ppm	0.0002 ppm	0.0022 ppm	0.0049 ppm	0.0004 ppm	-0.0003 ppm	-0.0003 ppm
Concentration per Run 2	0.0027 ppm	0.0003 ppm	0.0019 ppm	0.0053 ppm	0.0002 ppm	-0.0015 ppm	-0.0018 ppm
Concentration per Run 3	0.0015 ppm	0.0002 ppm	0.0020 ppm	0.0040 ppm	-0.0004 ppm	-0.0006 ppm	-0.0016 ppm
Recovery Percentage 1	1.703 %	1.996 %	4.068 %	0.237 %	0.278 %	-7.982 %	-2.512 %
Concentration RSD	53.8 %	27.3 %	8.4 %	13.8 %	553.0 %	79.0 %	66.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0017 ppm	-0.0021 ppm	-0.0004 ppm	0.0000 ppm	0.0002 ppm	0.0003 ppm	0.0001 ppm
Concentration per Run 1	0.0018 ppm	-0.0038 ppm	-0.0008 ppm	0.0000 ppm	0.0001 ppm	0.0004 ppm	0.0001 ppm
Concentration per Run 2	0.0016 ppm	-0.0007 ppm	-0.0008 ppm	0.0000 ppm	0.0006 ppm	0.0005 ppm	0.0002 ppm
Concentration per Run 3	0.0017 ppm	-0.0019 ppm	0.0002 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0002 ppm
Recovery Percentage 1	16.948 %	-0.428 %	-0.895 %	0.013 %	2.390 %	1.577 %	1.401 %
Concentration RSD	6.4 %	72.9 %	125.6 %	3,262.3 %	120.6 %	84.3 %	51.9 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0006 ppm	101.6936 %	99.9591 %	99.3076 %	101.1273 %	99.5999 %	100.8532 %
Concentration per Run 1	-0.0005 ppm	101.7219 %	100.3611 %	99.8265 %	101.4177 %	99.8779 %	101.5661 %
Concentration per Run 2	-0.0007 ppm	103.2855 %	98.9062 %	99.3883 %	102.1912 %	98.9943 %	100.6825 %
Concentration per Run 3	-0.0006 ppm	100.0735 %	100.6100 %	98.7078 %	99.7731 %	99.9275 %	100.3109 %
Recovery Percentage 1	-11.336 %						
Concentration RSD	17.7 %	1.6 %	0.9 %	0.6 %	1.2 %	0.5 %	0.6 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: L2537908-03d2 WG2082696
 Analysis started at: 6/30/2025 10:08:08 PM
 Rack: 2
 Vial: 32
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0008 ppm	33.4003 ppm	0.0324 ppm	0.0330 ppm	0.2945 ppm	0.0010 ppm	98.9608 ppm
Concentration per Run 1	0.0009 ppm	33.3716 ppm	0.0330 ppm	0.0336 ppm	0.2947 ppm	0.0010 ppm	99.6379 ppm
Concentration per Run 2	0.0009 ppm	33.4000 ppm	0.0326 ppm	0.0338 ppm	0.2939 ppm	0.0010 ppm	98.3389 ppm
Concentration per Run 3	0.0007 ppm	33.4293 ppm	0.0317 ppm	0.0317 ppm	0.2949 ppm	0.0010 ppm	98.9056 ppm
Concentration RSD	10.9 %	0.1 %	2.0 %	3.4 %	0.2 %	0.9 %	0.7 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0014 ppm	0.0085 ppm	0.1679 ppm	0.1199 ppm	39.5292 ppm	2.9378 ppm	0.0306 ppm
Concentration per Run 1	0.0015 ppm	0.0082 ppm	0.1677 ppm	0.1199 ppm	39.6594 ppm	2.9468 ppm	0.0309 ppm
Concentration per Run 2	0.0013 ppm	0.0087 ppm	0.1689 ppm	0.1207 ppm	39.4814 ppm	2.9175 ppm	0.0305 ppm
Concentration per Run 3	0.0015 ppm	0.0086 ppm	0.1672 ppm	0.1191 ppm	39.4467 ppm	2.9492 ppm	0.0303 ppm
Concentration RSD	7.0 %	3.0 %	0.5 %	0.7 %	0.3 %	0.6 %	1.0 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	12.0553 ppm	1.4549 ppm	0.0024 ppm	0.4009 ppm	0.0243 ppm	0.2120 ppm	-0.0010 ppm
Concentration per Run 1	12.0584 ppm	1.4640 ppm	0.0020 ppm	0.4015 ppm	0.0249 ppm	0.2109 ppm	0.0001 ppm
Concentration per Run 2	12.0648 ppm	1.4459 ppm	0.0028 ppm	0.3998 ppm	0.0240 ppm	0.2128 ppm	-0.0010 ppm
Concentration per Run 3	12.0427 ppm	1.4549 ppm	0.0024 ppm	0.4015 ppm	0.0241 ppm	0.2123 ppm	-0.0020 ppm
Concentration RSD	0.1 %	0.6 %	16.2 %	0.2 %	2.0 %	0.5 %	107.9 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0010 ppm	7.2803 ppm	0.0114 ppm	0.6800 ppm	0.8360 ppm	-0.0003 ppm	0.0741 ppm
Concentration per Run 1	-0.0003 ppm	7.3033 ppm	0.0115 ppm	0.6810 ppm	0.8358 ppm	0.0008 ppm	0.0742 ppm
Concentration per Run 2	0.0023 ppm	7.3171 ppm	0.0116 ppm	0.6772 ppm	0.8391 ppm	-0.0012 ppm	0.0743 ppm
Concentration per Run 3	0.0011 ppm	7.2205 ppm	0.0110 ppm	0.6819 ppm	0.8331 ppm	-0.0005 ppm	0.0739 ppm
Concentration RSD	127.9 %	0.7 %	2.7 %	0.4 %	0.4 %	309.7 %	0.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.3510 ppm	98.1295 %	99.5227 %	88.8086 %	98.5645 %	101.7401 %	99.4886 %
Concentration per Run 1	0.3498 ppm	98.8212 %	99.0080 %	88.9326 %	99.3045 %	101.6409 %	99.0830 %
Concentration per Run 2	0.3537 ppm	97.4826 %	100.3522 %	89.0693 %	98.5983 %	102.0524 %	100.0568 %
Concentration per Run 3	0.3495 ppm	98.0847 %	99.2080 %	88.4238 %	97.7908 %	101.5270 %	99.3259 %
Concentration RSD	0.7 %	0.7 %	0.7 %	0.4 %	0.8 %	0.3 %	0.5 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: eL2537942-07d2 WG2082696
 Analysis started at: 6/30/2025 10:11:27 PM
 Rack: 2
 Vial: 42
 Comment: <Comment>

	Ag 328.068 (Axial-iFR)	Al 396.152 (Radial-iFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-iFR)	Ba 455.403 (Radial-iFR)	Be 313.042 (Radial-iFR)	Ca 315.887 (Radial-iFR)
Concentration average	-0.0108 ppm	54.1746 ppm	0.5589 ppm	0.0442 ppm	0.8546 ppm	0.0052 ppm	39.4347 ppm
Concentration per Run 1	-0.0107 ppm	54.4342 ppm	0.5583 ppm	0.0428 ppm	0.8555 ppm	0.0052 ppm	39.4190 ppm
Concentration per Run 2	-0.0122 ppm	54.3447 ppm	0.5622 ppm	0.0455 ppm	0.8575 ppm	0.0053 ppm	39.4907 ppm
Concentration per Run 3	-0.0096 ppm	53.7448 ppm	0.5562 ppm	0.0443 ppm	0.8508 ppm	0.0052 ppm	39.3943 ppm
Concentration RSD	12.1 %	0.7 %	0.5 %	3.1 %	0.4 %	0.5 %	0.1 %

	Cd 214.438 (Axial-iFR)	Co 228.616 (Axial-iFR)	Cr 267.716 (Axial-iFR)	Cu 324.754 (Axial-iFR)	Fe 259.940 (Radial-iFR)	K 766.490 (Radial-iFR)	Li 670.776 (Radial-iFR)
Concentration average	0.0217 ppm	0.2095 ppm	0.2740 ppm	0.7844 ppm	803.9179 [SIC 700]	3.9106 ppm	0.0629 ppm
Concentration per Run 1	0.0220 ppm	0.2091 ppm	0.2725 ppm	0.7842 ppm	800.4825 ppm	3.9359 ppm	0.0638 ppm
Concentration per Run 2	0.0216 ppm	0.2082 ppm	0.2724 ppm	0.7829 ppm	804.2184 ppm	3.9237 ppm	0.0635 ppm
Concentration per Run 3	0.0217 ppm	0.2111 ppm	0.2771 ppm	0.7860 ppm	807.0530 ppm	3.8721 ppm	0.0614 ppm
Concentration RSD	0.9 %	0.7 %	1.0 %	0.2 %	0.4 %	0.9 %	2.1 %

	Mg 279.079 (Axial-iFR)	Mn 257.610 (Radial-iFR)	Mo 202.030 (Axial-iFR)	Na 589.592 (Radial-iFR)	Ni 231.604 (Axial-iFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-iFR)
Concentration average	11.8099 ppm	31.5480 [SIC 100]	0.0236 ppm	0.7838 ppm	0.3555 ppm	3.2764 ppm	0.0016 ppm
Concentration per Run 1	11.7954 ppm	31.5079 ppm	0.0232 ppm	0.7915 ppm	0.3520 ppm	3.2798 ppm	-0.0009 ppm
Concentration per Run 2	11.7274 ppm	31.4992 ppm	0.0231 ppm	0.7875 ppm	0.3551 ppm	3.2787 ppm	0.0034 ppm
Concentration per Run 3	11.9070 ppm	31.6369 ppm	0.0243 ppm	0.7723 ppm	0.3595 ppm	3.2708 ppm	0.0022 ppm
Concentration RSD	0.8 %	0.2 %	2.8 %	1.3 %	1.1 %	0.1 %	144.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-iFR)	Sn 189.989 (Axial-iFR)	Sr 421.552 (Radial-iFR)	Ti 334.904 (Axial-iFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-iFR)
Concentration average	-0.0027 ppm	4.0642 ppm	0.1112 ppm	0.2542 ppm	4.6573 ppm	-0.0139 ppm	1.0086 ppm
Concentration per Run 1	-0.0036 ppm	4.0624 ppm	0.1105 ppm	0.2549 ppm	4.6557 ppm	-0.0148 ppm	1.0064 ppm
Concentration per Run 2	-0.0014 ppm	4.0501 ppm	0.1105 ppm	0.2549 ppm	4.6360 ppm	-0.0143 ppm	1.0065 ppm
Concentration per Run 3	-0.0032 ppm	4.0799 ppm	0.1127 ppm	0.2528 ppm	4.6802 ppm	-0.0126 ppm	1.0129 ppm
Concentration RSD	44.0 %	0.4 %	1.2 %	0.5 %	0.5 %	8.4 %	0.4 %

	Zn 206.200 (Axial-iFR)	Sc 361.384 (Axial-iFR)	Sc 361.384 (Radial-iFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-iFR)	Y 371.030 (Radial-iFR)	Y 224.306 (Axial-eUV)
Concentration average	3.6679 ppm	95.1896 %	97.5198 %	69.4885 %	106.1909 %	111.6529 %	104.6639 %
Concentration per Run 1	3.6349 ppm	95.1260 %	97.7946 %	69.4783 %	105.6198 %	112.0789 %	104.6817 %
Concentration per Run 2	3.6537 ppm	95.5464 %	96.8788 %	69.4672 %	106.7592 %	111.1135 %	104.4230 %
Concentration per Run 3	3.7152 ppm	94.8965 %	97.8860 %	69.5200 %	106.1936 %	111.7665 %	104.8870 %
Concentration RSD	1.1 %	0.3 %	0.6 %	0.0 %	0.5 %	0.4 %	0.2 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: eL2537942-08d2 WG2082696
 Analysis started at: 6/30/2025 10:14:42 PM
 Rack: 2
 Vial: 43
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0093 ppm	54.0709 ppm	0.1716 ppm	0.0649 ppm	0.6403 ppm	0.0031 ppm	64.3586 ppm
Concentration per Run 1	-0.0104 ppm	54.1050 ppm	0.1709 ppm	0.0641 ppm	0.6417 ppm	0.0030 ppm	64.6009 ppm
Concentration per Run 2	-0.0095 ppm	54.4177 ppm	0.1714 ppm	0.0659 ppm	0.6430 ppm	0.0031 ppm	64.4483 ppm
Concentration per Run 3	-0.0079 ppm	53.6900 ppm	0.1725 ppm	0.0648 ppm	0.6363 ppm	0.0032 ppm	64.0265 ppm
Concentration RSD	13.9 %	0.7 %	0.5 %	1.4 %	0.6 %	2.3 %	0.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0152 ppm	0.1358 ppm	0.3213 ppm	0.5154 ppm	732.9037 [SIC 700]	6.2141 ppm	0.0584 ppm
Concentration per Run 1	0.0152 ppm	0.1350 ppm	0.3202 ppm	0.5151 ppm	737.7864 ppm	6.2321 ppm	0.0585 ppm
Concentration per Run 2	0.0151 ppm	0.1365 ppm	0.3197 ppm	0.5156 ppm	732.4693 ppm	6.3020 ppm	0.0591 ppm
Concentration per Run 3	0.0154 ppm	0.1357 ppm	0.3240 ppm	0.5156 ppm	728.4555 ppm	6.1083 ppm	0.0576 ppm
Concentration RSD	0.9 %	0.5 %	0.7 %	0.1 %	0.6 %	1.6 %	1.3 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	28.5802 ppm	18.4220 ppm	0.0159 ppm	0.8973 ppm	0.1966 ppm	1.3720 ppm	-0.0045 ppm
Concentration per Run 1	28.5781 ppm	18.5454 ppm	0.0153 ppm	0.8931 ppm	0.1954 ppm	1.3832 ppm	-0.0046 ppm
Concentration per Run 2	28.5349 ppm	18.4514 ppm	0.0162 ppm	0.9130 ppm	0.1961 ppm	1.3541 ppm	-0.0040 ppm
Concentration per Run 3	28.6278 ppm	18.2694 ppm	0.0161 ppm	0.8856 ppm	0.1981 ppm	1.3787 ppm	-0.0049 ppm
Concentration RSD	0.2 %	0.8 %	3.3 %	1.6 %	0.7 %	1.1 %	10.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0029 ppm	5.3495 ppm	0.0770 ppm	0.3944 ppm	5.5027 ppm	-0.0063 ppm	1.2701 ppm
Concentration per Run 1	-0.0029 ppm	5.3621 ppm	0.0773 ppm	0.3935 ppm	5.4963 ppm	-0.0066 ppm	1.2706 ppm
Concentration per Run 2	-0.0034 ppm	5.3339 ppm	0.0761 ppm	0.3957 ppm	5.4929 ppm	-0.0056 ppm	1.2701 ppm
Concentration per Run 3	-0.0024 ppm	5.3525 ppm	0.0775 ppm	0.3941 ppm	5.5190 ppm	-0.0068 ppm	1.2697 ppm
Concentration RSD	17.0 %	0.3 %	1.0 %	0.3 %	0.3 %	9.9 %	0.0 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	1.9982 ppm	93.4555 %	97.6545 %	70.5787 %	99.9671 %	106.5240 %	99.7665 %
Concentration per Run 1	1.9901 ppm	93.5869 %	98.0149 %	70.1957 %	99.8650 %	106.9730 %	99.5859 %
Concentration per Run 2	1.9929 ppm	93.9459 %	97.4029 %	71.2773 %	100.6707 %	106.4193 %	100.0093 %
Concentration per Run 3	2.0118 ppm	92.8337 %	97.5455 %	70.2632 %	99.3655 %	106.1795 %	99.7041 %
Concentration RSD	0.6 %	0.6 %	0.3 %	0.9 %	0.7 %	0.4 %	0.2 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: L2536123-01 WG2082423
 Analysis started at: 6/30/2025 10:17:55 PM
 Rack: 2
 Vial: 54
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0009 ppm	4.6856 ppm	0.0009 ppm	0.1843 ppm	0.0643 ppm	0.0000 ppm	25.4620 ppm
Concentration per Run 1	0.0005 ppm	4.8649 ppm	0.0008 ppm	0.1844 ppm	0.0666 ppm	0.0000 ppm	26.4015 ppm
Concentration per Run 2	0.0011 ppm	4.8398 ppm	0.0006 ppm	0.1833 ppm	0.0662 ppm	0.0000 ppm	26.4630 ppm
Concentration per Run 3	0.0011 ppm	4.3520 ppm	0.0012 ppm	0.1851 ppm	0.0600 ppm	0.0000 ppm	23.5216 ppm
Concentration RSD	35.3 %	6.2 %	37.0 %	0.5 %	5.8 %	4.1 %	6.6 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0005 ppm	0.0024 ppm	0.0088 ppm	0.2313 ppm	1.1007 ppm	6.9772 ppm	0.1851 ppm
Concentration per Run 1	0.0005 ppm	0.0026 ppm	0.0087 ppm	0.2315 ppm	1.1398 ppm	7.2600 ppm	0.1919 ppm
Concentration per Run 2	0.0004 ppm	0.0024 ppm	0.0090 ppm	0.2289 ppm	1.1442 ppm	7.1858 ppm	0.1913 ppm
Concentration per Run 3	0.0005 ppm	0.0023 ppm	0.0087 ppm	0.2334 ppm	1.0180 ppm	6.4857 ppm	0.1720 ppm
Concentration RSD	7.1 %	6.8 %	1.7 %	1.0 %	6.5 %	6.1 %	6.1 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	6.3790 ppm	0.0246 ppm	0.0502 ppm	295.1736 [SIC 500]	0.0290 ppm	0.0152 ppm	0.0353 ppm
Concentration per Run 1	6.4080 ppm	0.0257 ppm	0.0505 ppm	306.1007 ppm	0.0297 ppm	0.0145 ppm	0.0373 ppm
Concentration per Run 2	6.3272 ppm	0.0254 ppm	0.0495 ppm	305.1585 ppm	0.0286 ppm	0.0156 ppm	0.0363 ppm
Concentration per Run 3	6.4017 ppm	0.0228 ppm	0.0505 ppm	274.2615 ppm	0.0287 ppm	0.0153 ppm	0.0323 ppm
Concentration RSD	0.7 %	6.6 %	1.1 %	6.1 %	2.1 %	3.7 %	7.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0032 ppm	1.6582 ppm	0.0170 ppm	0.1418 ppm	0.0101 ppm	0.0001 ppm	0.0038 ppm
Concentration per Run 1	0.0019 ppm	1.6475 ppm	0.0165 ppm	0.1469 ppm	0.0101 ppm	0.0009 ppm	0.0038 ppm
Concentration per Run 2	0.0033 ppm	1.6482 ppm	0.0170 ppm	0.1458 ppm	0.0099 ppm	-0.0004 ppm	0.0038 ppm
Concentration per Run 3	0.0044 ppm	1.6788 ppm	0.0176 ppm	0.1325 ppm	0.0102 ppm	-0.0001 ppm	0.0039 ppm
Concentration RSD	38.3 %	1.1 %	3.4 %	5.7 %	1.5 %	524.1 %	1.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.2333 ppm	93.2365 %	101.0498 %	82.7832 %	90.0197 %	98.8060 %	91.4153 %
Concentration per Run 1	0.2345 ppm	92.6710 %	97.5846 %	83.3555 %	89.6517 %	95.9407 %	91.7199 %
Concentration per Run 2	0.2315 ppm	94.8093 %	97.2811 %	82.2366 %	91.3155 %	95.6573 %	91.5193 %
Concentration per Run 3	0.2338 ppm	92.2292 %	108.2838 %	82.7575 %	89.0917 %	104.8199 %	91.0067 %
Concentration RSD	0.7 %	1.5 %	6.2 %	0.7 %	1.3 %	5.3 %	0.4 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: L2536233-01 WG2082423
 Analysis started at: 6/30/2025 10:21:09 PM
 Rack: 2
 Vial: 55
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0001 ppm	0.0651 ppm	-0.0004 ppm	0.0441 ppm	0.1030 ppm	0.0000 ppm	78.9989 ppm
Concentration per Run 1	0.0003 ppm	0.0636 ppm	-0.0002 ppm	0.0433 ppm	0.1024 ppm	0.0000 ppm	79.1283 ppm
Concentration per Run 2	0.0000 ppm	0.0681 ppm	0.0006 ppm	0.0455 ppm	0.1034 ppm	0.0000 ppm	78.4280 ppm
Concentration per Run 3	0.0000 ppm	0.0635 ppm	-0.0016 ppm	0.0433 ppm	0.1030 ppm	0.0000 ppm	79.4403 ppm
Concentration RSD	126.1 %	4.1 %	268.5 %	2.8 %	0.5 %	54.3 %	0.7 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0004 ppm	0.0000 ppm	0.0030 ppm	0.0025 ppm	0.1026 ppm	15.3600 ppm	0.0040 ppm
Concentration per Run 1	-0.0003 ppm	0.0006 ppm	0.0028 ppm	0.0025 ppm	0.1024 ppm	15.2705 ppm	0.0046 ppm
Concentration per Run 2	-0.0004 ppm	-0.0004 ppm	0.0032 ppm	0.0025 ppm	0.1031 ppm	15.4654 ppm	0.0040 ppm
Concentration per Run 3	-0.0003 ppm	-0.0002 ppm	0.0029 ppm	0.0024 ppm	0.1023 ppm	15.3442 ppm	0.0035 ppm
Concentration RSD	14.9 %	3,714.8 %	7.9 %	2.3 %	0.4 %	0.6 %	12.9 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	17.5908 ppm	0.0305 ppm	0.0018 ppm	172.2537 [SIC 500]	0.0008 ppm	-0.0010 ppm	-0.0004 ppm
Concentration per Run 1	17.5782 ppm	0.0306 ppm	0.0015 ppm	170.5502 ppm	0.0011 ppm	-0.0012 ppm	-0.0021 ppm
Concentration per Run 2	17.6694 ppm	0.0304 ppm	0.0020 ppm	173.3816 ppm	0.0009 ppm	-0.0008 ppm	0.0003 ppm
Concentration per Run 3	17.5247 ppm	0.0306 ppm	0.0020 ppm	172.8293 ppm	0.0005 ppm	-0.0011 ppm	0.0005 ppm
Concentration RSD	0.4 %	0.2 %	16.7 %	0.9 %	35.6 %	17.1 %	339.0 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0009 ppm	7.3908 ppm	-0.0003 ppm	0.5763 ppm	0.0028 ppm	-0.0009 ppm	0.0019 ppm
Concentration per Run 1	0.0028 ppm	7.3792 ppm	-0.0009 ppm	0.5748 ppm	0.0025 ppm	-0.0008 ppm	0.0018 ppm
Concentration per Run 2	-0.0010 ppm	7.4366 ppm	-0.0004 ppm	0.5765 ppm	0.0030 ppm	-0.0006 ppm	0.0020 ppm
Concentration per Run 3	0.0011 ppm	7.3566 ppm	0.0003 ppm	0.5777 ppm	0.0029 ppm	-0.0012 ppm	0.0018 ppm
Concentration RSD	203.4 %	0.6 %	187.1 %	0.3 %	10.5 %	39.2 %	5.0 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0111 ppm	93.2809 %	97.9177 %	83.5407 %	89.6715 %	95.4851 %	91.0103 %
Concentration per Run 1	0.0112 ppm	93.2411 %	97.6620 %	83.2585 %	89.7972 %	94.8514 %	90.8764 %
Concentration per Run 2	0.0111 ppm	92.7073 %	98.6815 %	83.6643 %	89.3771 %	96.0687 %	90.9039 %
Concentration per Run 3	0.0110 ppm	93.8944 %	97.4097 %	83.6993 %	89.8401 %	95.5350 %	91.2505 %
Concentration RSD	1.2 %	0.6 %	0.7 %	0.3 %	0.3 %	0.6 %	0.2 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: L2536458-01 WG2082423
 Analysis started at: 6/30/2025 10:24:24 PM
 Rack: 2
 Vial: 56
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0001 ppm	0.1116 ppm	0.0001 ppm	0.0195 ppm	0.0081 ppm	0.0000 ppm	2.3267 ppm
Concentration per Run 1	0.0000 ppm	0.1086 ppm	0.0009 ppm	0.0198 ppm	0.0081 ppm	0.0000 ppm	2.3477 ppm
Concentration per Run 2	0.0003 ppm	0.1134 ppm	-0.0001 ppm	0.0195 ppm	0.0081 ppm	0.0000 ppm	2.3177 ppm
Concentration per Run 3	0.0000 ppm	0.1127 ppm	-0.0006 ppm	0.0190 ppm	0.0082 ppm	0.0000 ppm	2.3148 ppm
Concentration RSD	245.9 %	2.3 %	1,037.9 %	2.3 %	0.7 %	112.0 %	0.8 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0001 ppm	-0.0002 ppm	0.0005 ppm	0.0112 ppm	0.5850 ppm	0.4428 ppm	0.0001 ppm
Concentration per Run 1	0.0000 ppm	0.0000 ppm	0.0007 ppm	0.0111 ppm	0.5901 ppm	0.4436 ppm	-0.0001 ppm
Concentration per Run 2	0.0001 ppm	-0.0003 ppm	0.0005 ppm	0.0113 ppm	0.5837 ppm	0.4429 ppm	0.0003 ppm
Concentration per Run 3	0.0000 ppm	-0.0002 ppm	0.0003 ppm	0.0111 ppm	0.5812 ppm	0.4419 ppm	0.0001 ppm
Concentration RSD	75.1 %	113.1 %	33.3 %	1.0 %	0.8 %	0.2 %	232.2 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.4772 ppm	0.0221 ppm	0.0005 ppm	1.0961 ppm	0.0011 ppm	0.0034 ppm	0.0007 ppm
Concentration per Run 1	0.4806 ppm	0.0222 ppm	0.0004 ppm	1.1047 ppm	0.0008 ppm	0.0042 ppm	0.0001 ppm
Concentration per Run 2	0.4757 ppm	0.0220 ppm	0.0006 ppm	1.0963 ppm	0.0014 ppm	0.0029 ppm	0.0001 ppm
Concentration per Run 3	0.4754 ppm	0.0221 ppm	0.0004 ppm	1.0872 ppm	0.0010 ppm	0.0031 ppm	0.0018 ppm
Concentration RSD	0.6 %	0.6 %	19.0 %	0.8 %	31.2 %	20.4 %	142.5 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0009 ppm	0.7480 ppm	-0.0008 ppm	0.0058 ppm	0.0023 ppm	0.0004 ppm	0.0008 ppm
Concentration per Run 1	0.0029 ppm	0.7499 ppm	-0.0003 ppm	0.0057 ppm	0.0023 ppm	0.0002 ppm	0.0007 ppm
Concentration per Run 2	0.0001 ppm	0.7498 ppm	-0.0014 ppm	0.0058 ppm	0.0023 ppm	0.0001 ppm	0.0009 ppm
Concentration per Run 3	-0.0003 ppm	0.7443 ppm	-0.0006 ppm	0.0059 ppm	0.0023 ppm	0.0009 ppm	0.0008 ppm
Concentration RSD	196.7 %	0.4 %	76.6 %	1.3 %	1.8 %	103.6 %	12.9 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0399 ppm	103.2620 %	102.2764 %	103.6417 %	100.5928 %	100.7758 %	101.3950 %
Concentration per Run 1	0.0402 ppm	103.0588 %	101.4567 %	102.9629 %	100.4750 %	100.3617 %	100.5989 %
Concentration per Run 2	0.0398 ppm	102.6600 %	102.8207 %	104.0608 %	100.2214 %	101.2029 %	101.7019 %
Concentration per Run 3	0.0399 ppm	104.0673 %	102.5517 %	103.9013 %	101.0819 %	100.7626 %	101.8843 %
Concentration RSD	0.5 %	0.7 %	0.7 %	0.6 %	0.4 %	0.4 %	0.7 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: L2536104-02 WG2082423
 Analysis started at: 6/30/2025 10:27:38 PM
 Rack: 2
 Vial: 50
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0011 ppm	2.5787 ppm	0.0051 ppm	0.3259 ppm	0.2506 ppm	0.0001 ppm	145.1939 ppm
Concentration per Run 1	0.0009 ppm	2.5518 ppm	0.0051 ppm	0.3255 ppm	0.2492 ppm	0.0001 ppm	144.2943 ppm
Concentration per Run 2	0.0015 ppm	2.5662 ppm	0.0048 ppm	0.3317 ppm	0.2492 ppm	0.0001 ppm	144.9949 ppm
Concentration per Run 3	0.0010 ppm	2.6180 ppm	0.0054 ppm	0.3207 ppm	0.2534 ppm	0.0001 ppm	146.2925 ppm
Concentration RSD	26.1 %	1.4 %	6.2 %	1.7 %	1.0 %	13.0 %	0.7 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0026 ppm	0.0065 ppm	0.0261 ppm	0.6392 ppm	42.5571 ppm	22.2507 ppm	0.0558 ppm
Concentration per Run 1	0.0026 ppm	0.0069 ppm	0.0256 ppm	0.6379 ppm	42.3598 ppm	21.9797 ppm	0.0556 ppm
Concentration per Run 2	0.0026 ppm	0.0060 ppm	0.0267 ppm	0.6470 ppm	42.3364 ppm	22.1859 ppm	0.0553 ppm
Concentration per Run 3	0.0026 ppm	0.0067 ppm	0.0259 ppm	0.6326 ppm	42.9752 ppm	22.5864 ppm	0.0565 ppm
Concentration RSD	0.4 %	6.8 %	2.2 %	1.1 %	0.9 %	1.4 %	1.1 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	26.9841 ppm	0.2093 ppm	0.0137 ppm	251.2074 [SIC 500]	0.0324 ppm	0.1899 ppm	-0.0016 ppm
Concentration per Run 1	26.9063 ppm	0.2079 ppm	0.0138 ppm	247.4595 ppm	0.0326 ppm	0.1896 ppm	0.0005 ppm
Concentration per Run 2	27.3150 ppm	0.2090 ppm	0.0136 ppm	250.4764 ppm	0.0330 ppm	0.1883 ppm	-0.0034 ppm
Concentration per Run 3	26.7310 ppm	0.2109 ppm	0.0138 ppm	255.6863 ppm	0.0316 ppm	0.1918 ppm	-0.0020 ppm
Concentration RSD	1.1 %	0.7 %	1.1 %	1.7 %	2.3 %	0.9 %	124.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0007 ppm	4.8672 ppm	0.0051 ppm	1.2146 ppm	0.0463 ppm	-0.0016 ppm	0.0061 ppm
Concentration per Run 1	0.0034 ppm	4.8339 ppm	0.0046 ppm	1.2086 ppm	0.0454 ppm	-0.0012 ppm	0.0061 ppm
Concentration per Run 2	-0.0012 ppm	4.9422 ppm	0.0054 ppm	1.2080 ppm	0.0461 ppm	-0.0013 ppm	0.0061 ppm
Concentration per Run 3	0.0000 ppm	4.8255 ppm	0.0053 ppm	1.2274 ppm	0.0473 ppm	-0.0024 ppm	0.0062 ppm
Concentration RSD	323.0 %	1.3 %	8.1 %	0.9 %	2.1 %	40.4 %	0.8 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	1.7844 ppm	91.7724 %	97.0266 %	79.6232 %	89.0843 %	95.7574 %	89.4098 %
Concentration per Run 1	1.7773 ppm	91.9996 %	97.2488 %	80.1648 %	89.1719 %	95.9261 %	90.0175 %
Concentration per Run 2	1.8080 ppm	91.1431 %	97.3709 %	79.4775 %	89.3915 %	96.5186 %	88.6069 %
Concentration per Run 3	1.7679 ppm	92.1746 %	96.4601 %	79.2273 %	88.6894 %	94.8274 %	89.6049 %
Concentration RSD	1.2 %	0.6 %	0.5 %	0.6 %	0.4 %	0.9 %	0.8 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: WG2082423-7 WG2082423
 Analysis started at: 6/30/2025 10:30:52 PM
 Rack: 2
 Vial: 51
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0499 ppm	4.4184 ppm	0.1329 ppm	1.2708 ppm	2.1112 ppm	0.0459 ppm	149.3444 ppm
Concentration per Run 1	0.0496 ppm	4.3868 ppm	0.1335 ppm	1.2639 ppm	2.1039 ppm	0.0457 ppm	148.0437 ppm
Concentration per Run 2	0.0497 ppm	4.4536 ppm	0.1326 ppm	1.2767 ppm	2.1233 ppm	0.0463 ppm	151.5409 ppm
Concentration per Run 3	0.0504 ppm	4.4147 ppm	0.1326 ppm	1.2717 ppm	2.1064 ppm	0.0457 ppm	148.4487 ppm
Concentration RSD	0.8 %	0.8 %	0.4 %	0.5 %	0.5 %	0.7 %	1.3 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0424 ppm	0.4234 ppm	0.1984 ppm	0.8813 ppm	41.1768 ppm	33.0276 ppm	0.0539 ppm
Concentration per Run 1	0.0420 ppm	0.4193 ppm	0.1975 ppm	0.8777 ppm	41.0154 ppm	32.5511 ppm	0.0532 ppm
Concentration per Run 2	0.0427 ppm	0.4242 ppm	0.1996 ppm	0.8812 ppm	41.5811 ppm	33.6608 ppm	0.0548 ppm
Concentration per Run 3	0.0425 ppm	0.4265 ppm	0.1979 ppm	0.8848 ppm	40.9340 ppm	32.8709 ppm	0.0537 ppm
Concentration RSD	0.8 %	0.9 %	0.6 %	0.4 %	0.9 %	1.7 %	1.5 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	35.0275 ppm	0.6413 ppm	0.8498 ppm	251.8118 [SIC 500]	0.4604 ppm	0.7125 ppm	0.3700 ppm
Concentration per Run 1	34.7348 ppm	0.6373 ppm	0.8381 ppm	248.9366 ppm	0.4586 ppm	0.7110 ppm	0.3707 ppm
Concentration per Run 2	35.1933 ppm	0.6477 ppm	0.8517 ppm	255.2417 ppm	0.4636 ppm	0.7141 ppm	0.3630 ppm
Concentration per Run 3	35.1545 ppm	0.6388 ppm	0.8597 ppm	251.2571 ppm	0.4590 ppm	0.7125 ppm	0.3764 ppm
Concentration RSD	0.7 %	0.9 %	1.3 %	1.3 %	0.6 %	0.2 %	1.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0414 ppm	5.8228 ppm	0.1599 ppm	2.1191 ppm	0.7083 ppm	0.1144 ppm	0.4732 ppm
Concentration per Run 1	0.0410 ppm	5.7773 ppm	0.1593 ppm	2.1112 ppm	0.6997 ppm	0.1163 ppm	0.4706 ppm
Concentration per Run 2	0.0422 ppm	5.8156 ppm	0.1596 ppm	2.1225 ppm	0.7090 ppm	0.1140 ppm	0.4744 ppm
Concentration per Run 3	0.0409 ppm	5.8755 ppm	0.1609 ppm	2.1236 ppm	0.7163 ppm	0.1130 ppm	0.4745 ppm
Concentration RSD	1.7 %	0.9 %	0.5 %	0.3 %	1.2 %	1.5 %	0.5 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	2.1662 ppm	90.9233 %	96.2601 %	78.1288 %	88.1103 %	94.4906 %	88.2777 %
Concentration per Run 1	2.1503 ppm	91.6505 %	97.1600 %	78.0362 %	88.6907 %	95.3303 %	88.1840 %
Concentration per Run 2	2.1945 ppm	90.1652 %	94.4461 %	78.1545 %	87.3982 %	93.1597 %	88.3121 %
Concentration per Run 3	2.1537 ppm	90.9542 %	97.1741 %	78.1957 %	88.2419 %	94.9818 %	88.3372 %
Concentration RSD	1.1 %	0.8 %	1.6 %	0.1 %	0.7 %	1.2 %	0.1 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: WG2082423-8 WG2082423
 Analysis started at: 6/30/2025 10:34:06 PM
 Rack: 2
 Vial: 52
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0015 ppm	2.3226 ppm	0.0053 ppm	0.3115 ppm	0.2270 ppm	0.0001 ppm	138.5096 ppm
Concentration per Run 1	0.0013 ppm	2.3894 ppm	0.0035 ppm	0.3096 ppm	0.2341 ppm	0.0001 ppm	143.9464 ppm
Concentration per Run 2	0.0017 ppm	2.3677 ppm	0.0056 ppm	0.3141 ppm	0.2321 ppm	0.0001 ppm	141.9253 ppm
Concentration per Run 3	0.0015 ppm	2.2108 ppm	0.0069 ppm	0.3108 ppm	0.2147 ppm	0.0001 ppm	129.6570 ppm
Concentration RSD	11.3 %	4.2 %	32.5 %	0.7 %	4.7 %	15.2 %	5.6 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0026 ppm	0.0063 ppm	0.0252 ppm	0.5500 ppm	39.9096 ppm	20.6189 ppm	0.0526 ppm
Concentration per Run 1	0.0027 ppm	0.0061 ppm	0.0252 ppm	0.5472 ppm	41.3840 ppm	20.7703 ppm	0.0542 ppm
Concentration per Run 2	0.0025 ppm	0.0063 ppm	0.0254 ppm	0.5529 ppm	40.9337 ppm	20.9841 ppm	0.0530 ppm
Concentration per Run 3	0.0027 ppm	0.0064 ppm	0.0250 ppm	0.5498 ppm	37.4112 ppm	20.1023 ppm	0.0506 ppm
Concentration RSD	2.8 %	1.7 %	0.8 %	0.5 %	5.5 %	2.2 %	3.5 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	26.1498 ppm	0.1955 ppm	0.0204 ppm	234.3197 [SIC 500]	0.0318 ppm	0.1627 ppm	0.0005 ppm
Concentration per Run 1	26.1068 ppm	0.2026 ppm	0.0207 ppm	239.7698 ppm	0.0322 ppm	0.1641 ppm	-0.0012 ppm
Concentration per Run 2	26.2221 ppm	0.2006 ppm	0.0205 ppm	237.7871 ppm	0.0314 ppm	0.1628 ppm	0.0013 ppm
Concentration per Run 3	26.1205 ppm	0.1832 ppm	0.0201 ppm	225.4021 ppm	0.0318 ppm	0.1614 ppm	0.0015 ppm
Concentration RSD	0.2 %	5.5 %	1.4 %	3.3 %	1.3 %	0.8 %	286.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0034 ppm	4.4779 ppm	0.0046 ppm	1.1386 ppm	0.0241 ppm	-0.0026 ppm	0.0059 ppm
Concentration per Run 1	0.0040 ppm	4.4610 ppm	0.0043 ppm	1.1722 ppm	0.0240 ppm	-0.0023 ppm	0.0059 ppm
Concentration per Run 2	0.0028 ppm	4.4936 ppm	0.0053 ppm	1.1648 ppm	0.0242 ppm	-0.0024 ppm	0.0060 ppm
Concentration per Run 3	0.0034 ppm	4.4792 ppm	0.0042 ppm	1.0787 ppm	0.0242 ppm	-0.0032 ppm	0.0059 ppm
Concentration RSD	18.2 %	0.4 %	12.7 %	4.6 %	0.5 %	19.6 %	0.8 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	1.7082 ppm	91.6443 %	98.8467 %	80.0602 %	89.2186 %	96.3914 %	89.3258 %
Concentration per Run 1	1.7058 ppm	91.7622 %	95.1326 %	80.0675 %	89.7706 %	94.9130 %	90.1496 %
Concentration per Run 2	1.7182 ppm	91.0956 %	96.3662 %	79.6673 %	88.9741 %	94.9281 %	88.5754 %
Concentration per Run 3	1.7007 ppm	92.0752 %	105.0414 %	80.4459 %	88.9110 %	99.3332 %	89.2524 %
Concentration RSD	0.5 %	0.5 %	5.5 %	0.5 %	0.5 %	2.6 %	0.9 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: xWG2082423-9 WG2082423
 Analysis started at: 6/30/2025 10:37:19 PM
 Rack: 2
 Vial: 53
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	∞ ppm	4.6123 ppm	0.1281 ppm	∞ [SIC 50]	2.3071 ppm	0.0507 ppm	147.2040 ppm
Concentration per Run 1	∞ ppm	4.7096 ppm	0.1299 ppm	∞ ppm	2.3463 ppm	0.0514 ppm	149.3245 ppm
Concentration per Run 2	0.0551 ppm	4.2229 ppm	0.1261 ppm	1.2288 ppm	2.1171 ppm	0.0464 ppm	135.1200 ppm
Concentration per Run 3	0.0541 ppm	4.9045 ppm	0.1284 ppm	1.2131 ppm	2.4579 ppm	0.0542 ppm	157.1676 ppm
Concentration RSD		7.6 %	1.5 %		7.5 %	7.8 %	7.6 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	∞ ppm	∞ ppm	∞ ppm	∞ [SIC 60]	41.3775 ppm	31.8094 ppm	0.0523 ppm
Concentration per Run 1	∞ ppm	∞ ppm	∞ ppm	∞ ppm	41.9728 ppm	32.3485 ppm	0.0536 ppm
Concentration per Run 2	0.0464 ppm	0.4737 ppm	0.2153 ppm	0.8817 ppm	37.8976 ppm	29.3699 ppm	0.0478 ppm
Concentration per Run 3	0.0446 ppm	0.4572 ppm	0.2151 ppm	0.8701 ppm	44.2621 ppm	33.7097 ppm	0.0554 ppm
Concentration RSD					7.8 %	7.0 %	7.5 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	∞ [SIC 700]	0.6807 ppm		245.1967 [SIC 500]	∞ [SIC 20]	0.7013 ppm	∞ ppm
Concentration per Run 1	∞ ppm	0.6902 ppm		249.3091 ppm	∞ ppm	0.6955 ppm	∞ ppm
Concentration per Run 2	35.0476 ppm	0.6243 ppm	0.8896 ppm	225.9110 ppm	0.4967 ppm	0.7094 ppm	0.3471 ppm
Concentration per Run 3	34.4787 ppm	0.7275 ppm	0.8737 ppm	260.3700 ppm	0.4911 ppm	0.6988 ppm	0.3493 ppm
Concentration RSD		7.7 %	N/A	7.2 %		1.0 %	

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.1202 ppm	∞ [SIC 200]	∞ [SIC 20]	2.0810 ppm	∞ ppm	0.1111 ppm	∞ [SIC 10]
Concentration per Run 1	0.1177 ppm	∞ ppm	∞ ppm	2.1158 ppm	∞ ppm	0.1121 ppm	∞ ppm
Concentration per Run 2	0.1209 ppm	5.4733 ppm	0.8503 ppm	1.9121 ppm	0.9661 ppm	0.1119 ppm	0.5279 ppm
Concentration per Run 3	0.1220 ppm	5.3041 ppm	0.8388 ppm	2.2150 ppm	0.9519 ppm	0.1093 ppm	0.5188 ppm
Concentration RSD	1.9 %			7.4 %		1.4 %	

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	∞ [SIC 50]	60.5392 %	98.5436 %	78.2859 %	88.2721 %	96.0807 %	88.3830 %
Concentration per Run 1	∞ ppm	0.0000 %	96.5753 %	78.8933 %	88.0909 %	95.3451 %	88.7615 %
Concentration per Run 2	2.1813 ppm	90.0211 %	106.4562 %	77.4958 %	88.1916 %	101.6396 %	88.1930 %
Concentration per Run 3	2.1614 ppm	91.5966 %	92.5992 %	78.4687 %	88.5339 %	91.2575 %	88.1944 %
Concentration RSD		86.6 %	7.2 %	0.9 %	0.3 %	5.4 %	0.4 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: CCV
Analysis started at: 6/30/2025 10:40:33 PM
Rack: 0
Vial: 3
Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.4911 ppm	0.4734 ppm	0.4771 ppm	0.4621 ppm	0.4906 ppm	0.4850 ppm	0.4772 ppm
Concentration per Run 1	0.4883 ppm	0.4710 ppm	0.4784 ppm	0.4595 ppm	0.4881 ppm	0.4847 ppm	0.4769 ppm
Concentration per Run 2	0.4934 ppm	0.4787 ppm	0.4785 ppm	0.4642 ppm	0.4942 ppm	0.4848 ppm	0.4714 ppm
Concentration per Run 3	0.4917 ppm	0.4707 ppm	0.4743 ppm	0.4626 ppm	0.4894 ppm	0.4855 ppm	0.4831 ppm
Recovery Percentage 1	98.227 %	94.689 %	95.414 %	92.427 %	98.117 %	97.001 %	95.431 %
Concentration RSD	0.5 %	1.0 %	0.5 %	0.5 %	0.7 %	0.1 %	1.2 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.4530 ppm	0.4731 ppm	0.4719 ppm	0.4920 ppm	0.4920 ppm	5.2563 ppm	0.5226 ppm
Concentration per Run 1	0.4527 ppm	0.4702 ppm	0.4691 ppm	0.4886 ppm	0.4927 ppm	5.2598 ppm	0.5225 ppm
Concentration per Run 2	0.4547 ppm	0.4749 ppm	0.4750 ppm	0.4935 ppm	0.4893 ppm	5.3091 ppm	0.5297 ppm
Concentration per Run 3	0.4518 ppm	0.4740 ppm	0.4715 ppm	0.4938 ppm	0.4939 ppm	5.2001 ppm	0.5157 ppm
Recovery Percentage 1	90.609 %	94.612 %	94.373 %	98.397 %	98.391 %	105.127 %	104.518 %
Concentration RSD	0.3 %	0.5 %	0.6 %	0.6 %	0.5 %	1.0 %	1.3 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.4758 ppm	0.4843 ppm	0.4610 ppm	10.3741 ppm	0.4794 ppm	0.5004 ppm	0.5070 ppm
Concentration per Run 1	0.4728 ppm	0.4854 ppm	0.4582 ppm	10.4112 ppm	0.4771 ppm	0.4995 ppm	0.5047 ppm
Concentration per Run 2	0.4803 ppm	0.4820 ppm	0.4647 ppm	10.4344 ppm	0.4830 ppm	0.5012 ppm	0.5136 ppm
Concentration per Run 3	0.4741 ppm	0.4856 ppm	0.4602 ppm	10.2766 ppm	0.4780 ppm	0.5005 ppm	0.5027 ppm
Recovery Percentage 1	95.152 %	96.868 %	92.207 %	103.741 %	95.878 %	100.076 %	101.395 %
Concentration RSD	0.8 %	0.4 %	0.7 %	0.8 %	0.7 %	0.2 %	1.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.4803 ppm	5.0360 ppm	0.4702 ppm	0.4882 ppm	0.4716 ppm	0.5042 ppm	0.4808 ppm
Concentration per Run 1	0.4812 ppm	5.0111 ppm	0.4680 ppm	0.4844 ppm	0.4674 ppm	0.5058 ppm	0.4798 ppm
Concentration per Run 2	0.4785 ppm	5.0676 ppm	0.4739 ppm	0.4917 ppm	0.4742 ppm	0.5047 ppm	0.4816 ppm
Concentration per Run 3	0.4812 ppm	5.0293 ppm	0.4687 ppm	0.4884 ppm	0.4733 ppm	0.5022 ppm	0.4811 ppm
Recovery Percentage 1	96.058 %	95.924 %	94.043 %	97.637 %	94.326 %	100.843 %	96.167 %
Concentration RSD	0.3 %	0.6 %	0.7 %	0.8 %	0.8 %	0.4 %	0.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4612 ppm	101.7680 %	100.7711 %	97.5448 %	98.6720 %	99.0756 %	98.4944 %
Concentration per Run 1	0.4596 ppm	102.1069 %	101.1094 %	96.9566 %	98.9208 %	99.1939 %	98.0340 %
Concentration per Run 2	0.4648 ppm	101.7431 %	100.9126 %	97.8565 %	98.6187 %	99.0057 %	98.6005 %
Concentration per Run 3	0.4594 ppm	101.4539 %	100.2913 %	97.8214 %	98.4764 %	99.0272 %	98.8488 %
Recovery Percentage 1	92.248 %						
Concentration RSD	0.7 %	0.3 %	0.4 %	0.5 %	0.2 %	0.1 %	0.4 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: CCB
 Analysis started at: 6/30/2025 10:43:47 PM
 Rack: 0
 Vial: 4
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0001 ppm	-0.0002 ppm	0.0001 ppm	0.0008 ppm	0.0001 ppm	0.0000 ppm	-0.0012 ppm
Concentration per Run 1	0.0002 ppm	0.0007 ppm	0.0003 ppm	0.0002 ppm	0.0000 ppm	0.0000 ppm	-0.0011 ppm
Concentration per Run 2	0.0003 ppm	-0.0026 ppm	-0.0003 ppm	0.0014 ppm	0.0002 ppm	0.0000 ppm	-0.0008 ppm
Concentration per Run 3	-0.0001 ppm	0.0015 ppm	0.0004 ppm	0.0009 ppm	0.0000 ppm	0.0001 ppm	-0.0018 ppm
Recovery Percentage 1	1.876 %	-0.151 %	2.968 %	2.785 %	0.567 %	1.033 %	-1.250 %
Concentration RSD	152.4 %	1,458.5 %	260.6 %	68.4 %	168.5 %	40.9 %	43.2 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0000 ppm	-0.0003 ppm	-0.0001 ppm	0.0002 ppm	0.0024 ppm	0.0067 ppm	0.0001 ppm
Concentration per Run 1	0.0001 ppm	-0.0003 ppm	-0.0001 ppm	0.0002 ppm	0.0024 ppm	0.0089 ppm	-0.0001 ppm
Concentration per Run 2	-0.0001 ppm	-0.0001 ppm	0.0000 ppm	0.0003 ppm	0.0029 ppm	0.0003 ppm	0.0002 ppm
Concentration per Run 3	0.0000 ppm	-0.0005 ppm	-0.0001 ppm	0.0001 ppm	0.0017 ppm	0.0108 ppm	0.0002 ppm
Recovery Percentage 1	0.108 %	-1.570 %	-0.711 %	1.706 %	4.709 %	0.267 %	1.558 %
Concentration RSD	1,424.6 %	51.6 %	89.9 %	49.5 %	26.2 %	83.8 %	198.9 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0017 ppm	0.0001 ppm	0.0030 ppm	0.0212 ppm	0.0002 ppm	-0.0007 ppm	-0.0010 ppm
Concentration per Run 1	0.0013 ppm	0.0001 ppm	0.0028 ppm	0.0191 ppm	0.0004 ppm	-0.0011 ppm	-0.0012 ppm
Concentration per Run 2	0.0023 ppm	0.0001 ppm	0.0030 ppm	0.0215 ppm	0.0003 ppm	-0.0001 ppm	-0.0020 ppm
Concentration per Run 3	0.0014 ppm	0.0002 ppm	0.0031 ppm	0.0232 ppm	-0.0001 ppm	-0.0009 ppm	0.0003 ppm
Recovery Percentage 1	1.653 %	1.406 %	5.939 %	1.062 %	0.883 %	-7.086 %	-1.941 %
Concentration RSD	33.8 %	59.3 %	3.8 %	9.7 %	107.2 %	71.1 %	119.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0000 ppm	-0.0049 ppm	0.0003 ppm	0.0000 ppm	0.0002 ppm	0.0014 ppm	0.0002 ppm
Concentration per Run 1	0.0010 ppm	-0.0047 ppm	-0.0001 ppm	0.0001 ppm	0.0002 ppm	0.0016 ppm	0.0001 ppm
Concentration per Run 2	-0.0002 ppm	-0.0060 ppm	0.0004 ppm	0.0000 ppm	0.0003 ppm	0.0028 ppm	0.0002 ppm
Concentration per Run 3	-0.0008 ppm	-0.0039 ppm	0.0007 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0003 ppm
Recovery Percentage 1	0.061 %	-0.981 %	0.648 %	0.162 %	1.799 %	7.205 %	2.109 %
Concentration RSD	14,443.6 %	21.6 %	138.1 %	239.2 %	88.1 %	95.9 %	39.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0007 ppm	101.2728 %	100.6419 %	102.1034 %	101.0432 %	100.6394 %	101.8362 %
Concentration per Run 1	-0.0006 ppm	101.2532 %	100.6391 %	101.6874 %	100.9599 %	100.9485 %	101.4048 %
Concentration per Run 2	-0.0008 ppm	101.0686 %	99.7886 %	102.9707 %	101.1451 %	99.9829 %	102.1580 %
Concentration per Run 3	-0.0006 ppm	101.4966 %	101.4980 %	101.6520 %	101.0245 %	100.9869 %	101.9460 %
Recovery Percentage 1	-13.020 %						
Concentration RSD	16.2 %	0.2 %	0.8 %	0.7 %	0.1 %	0.6 %	0.4 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: L2536458-02 WG2082423
 Analysis started at: 6/30/2025 10:47:01 PM
 Rack: 2
 Vial: 57
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0002 ppm	0.0875 ppm	-0.0005 ppm	0.0635 ppm	0.0295 ppm	0.0000 ppm	12.9538 ppm
Concentration per Run 1	0.0002 ppm	0.0894 ppm	-0.0005 ppm	0.0636 ppm	0.0297 ppm	0.0000 ppm	13.0338 ppm
Concentration per Run 2	0.0003 ppm	0.0857 ppm	0.0001 ppm	0.0628 ppm	0.0296 ppm	0.0000 ppm	12.9294 ppm
Concentration per Run 3	0.0001 ppm	0.0874 ppm	-0.0012 ppm	0.0641 ppm	0.0293 ppm	0.0000 ppm	12.8981 ppm
Concentration RSD	32.3 %	2.1 %	123.5 %	1.0 %	0.7 %	22.0 %	0.5 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0000 ppm	0.0011 ppm	0.0012 ppm	0.0035 ppm	3.4442 ppm	2.8540 ppm	0.0012 ppm
Concentration per Run 1	0.0000 ppm	0.0013 ppm	0.0013 ppm	0.0033 ppm	3.4542 ppm	2.8843 ppm	0.0015 ppm
Concentration per Run 2	-0.0001 ppm	0.0011 ppm	0.0010 ppm	0.0035 ppm	3.4432 ppm	2.8448 ppm	0.0010 ppm
Concentration per Run 3	0.0000 ppm	0.0008 ppm	0.0013 ppm	0.0038 ppm	3.4350 ppm	2.8330 ppm	0.0011 ppm
Concentration RSD	1,342.8 %	24.9 %	15.0 %	6.9 %	0.3 %	0.9 %	22.1 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	1.9184 ppm	0.3674 ppm	0.0013 ppm	3.4991 ppm	0.0020 ppm	0.0012 ppm	-0.0006 ppm
Concentration per Run 1	1.9039 ppm	0.3686 ppm	0.0015 ppm	3.5108 ppm	0.0025 ppm	0.0015 ppm	-0.0018 ppm
Concentration per Run 2	1.9134 ppm	0.3679 ppm	0.0012 ppm	3.4984 ppm	0.0015 ppm	0.0007 ppm	0.0010 ppm
Concentration per Run 3	1.9379 ppm	0.3659 ppm	0.0012 ppm	3.4881 ppm	0.0019 ppm	0.0014 ppm	-0.0010 ppm
Concentration RSD	0.9 %	0.4 %	11.4 %	0.3 %	25.1 %	35.9 %	229.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0005 ppm	2.4317 ppm	0.0017 ppm	0.0504 ppm	0.0031 ppm	0.0004 ppm	0.0009 ppm
Concentration per Run 1	-0.0002 ppm	2.4084 ppm	0.0015 ppm	0.0507 ppm	0.0032 ppm	0.0014 ppm	0.0007 ppm
Concentration per Run 2	0.0016 ppm	2.4279 ppm	0.0013 ppm	0.0506 ppm	0.0032 ppm	0.0005 ppm	0.0011 ppm
Concentration per Run 3	0.0001 ppm	2.4587 ppm	0.0023 ppm	0.0501 ppm	0.0030 ppm	-0.0007 ppm	0.0008 ppm
Concentration RSD	194.5 %	1.0 %	31.6 %	0.7 %	2.5 %	265.0 %	24.0 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0068 ppm	102.6991 %	102.5432 %	99.9057 %	100.1011 %	100.8448 %	99.9013 %
Concentration per Run 1	0.0068 ppm	103.3690 %	101.7858 %	99.4814 %	100.8271 %	100.5663 %	99.9781 %
Concentration per Run 2	0.0068 ppm	103.0447 %	102.5913 %	99.7775 %	100.0701 %	101.1235 %	99.7408 %
Concentration per Run 3	0.0068 ppm	101.6838 %	103.2525 %	100.4583 %	99.4060 %	100.8447 %	99.9849 %
Concentration RSD	0.2 %	0.9 %	0.7 %	0.5 %	0.7 %	0.3 %	0.1 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: WG2082423-9 WG2082423
 Analysis started at: 6/30/2025 10:50:29 PM
 Rack: 3
 Vial: 9
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0549 ppm	4.6925 ppm	0.1289 ppm	1.2333 ppm	2.3118 ppm	0.0503 ppm	146.1311 ppm
Concentration per Run 1	0.0547 ppm	4.6675 ppm	0.1269 ppm	1.2158 ppm	2.2639 ppm	0.0492 ppm	142.5742 ppm
Concentration per Run 2	0.0550 ppm	4.4956 ppm	0.1282 ppm	1.2358 ppm	2.2355 ppm	0.0486 ppm	141.6419 ppm
Concentration per Run 3	0.0549 ppm	4.9145 ppm	0.1315 ppm	1.2482 ppm	2.4361 ppm	0.0532 ppm	154.1772 ppm
Concentration RSD	0.3 %	4.5 %	1.9 %	1.3 %	4.7 %	5.0 %	4.8 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0459 ppm	0.4694 ppm	0.2184 ppm	0.8812 ppm	41.0126 ppm	32.5108 ppm	0.0546 ppm
Concentration per Run 1	0.0452 ppm	0.4631 ppm	0.2151 ppm	0.8791 ppm	40.1042 ppm	31.7570 ppm	0.0536 ppm
Concentration per Run 2	0.0463 ppm	0.4740 ppm	0.2199 ppm	0.8798 ppm	39.6324 ppm	31.3384 ppm	0.0526 ppm
Concentration per Run 3	0.0463 ppm	0.4711 ppm	0.2201 ppm	0.8846 ppm	43.3012 ppm	34.4370 ppm	0.0575 ppm
Concentration RSD	1.4 %	1.2 %	1.3 %	0.3 %	4.9 %	5.2 %	4.8 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	34.8887 ppm	0.6808 ppm	0.8923 ppm	250.3695 [SIC 500]	0.5064 ppm	0.7102 ppm	0.3489 ppm
Concentration per Run 1	34.5905 ppm	0.6650 ppm	0.8800 ppm	243.6688 ppm	0.5014 ppm	0.6957 ppm	0.3374 ppm
Concentration per Run 2	35.0025 ppm	0.6584 ppm	0.8990 ppm	242.4892 ppm	0.5067 ppm	0.7114 ppm	0.3492 ppm
Concentration per Run 3	35.0733 ppm	0.7189 ppm	0.8979 ppm	264.9505 ppm	0.5109 ppm	0.7236 ppm	0.3602 ppm
Concentration RSD	0.7 %	4.9 %	1.2 %	5.0 %	0.9 %	2.0 %	3.3 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.1228 ppm	5.4660 ppm	0.8621 ppm	2.0835 ppm	0.9771 ppm	0.1105 ppm	0.5263 ppm
Concentration per Run 1	0.1192 ppm	5.4471 ppm	0.8559 ppm	2.0318 ppm	0.9694 ppm	0.1095 ppm	0.5233 ppm
Concentration per Run 2	0.1265 ppm	5.4747 ppm	0.8603 ppm	2.0140 ppm	0.9790 ppm	0.1105 ppm	0.5276 ppm
Concentration per Run 3	0.1226 ppm	5.4760 ppm	0.8702 ppm	2.2047 ppm	0.9830 ppm	0.1114 ppm	0.5279 ppm
Concentration RSD	3.0 %	0.3 %	0.8 %	5.1 %	0.7 %	0.8 %	0.5 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	2.2145 ppm	90.9671 %	99.3563 %	77.8098 %	88.3866 %	96.9024 %	88.5709 %
Concentration per Run 1	2.1850 ppm	91.7814 %	100.8662 %	79.4953 %	88.9291 %	100.2502 %	90.6747 %
Concentration per Run 2	2.2271 ppm	90.8671 %	102.5053 %	77.8310 %	88.3874 %	97.8557 %	88.0806 %
Concentration per Run 3	2.2316 ppm	90.2528 %	94.6975 %	76.1032 %	87.8433 %	92.6013 %	86.9574 %
Concentration RSD	1.2 %	0.8 %	4.1 %	2.2 %	0.6 %	4.0 %	2.2 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: L2536462-01 WG2082423
 Analysis started at: 6/30/2025 10:53:43 PM
 Rack: 2
 Vial: 58
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0001 ppm	1.2297 ppm	0.0002 ppm	0.0279 ppm	0.0228 ppm	0.0000 ppm	44.0776 ppm
Concentration per Run 1	0.0002 ppm	1.2284 ppm	0.0004 ppm	0.0280 ppm	0.0227 ppm	0.0000 ppm	44.2218 ppm
Concentration per Run 2	0.0003 ppm	1.2244 ppm	0.0003 ppm	0.0282 ppm	0.0228 ppm	0.0000 ppm	44.1317 ppm
Concentration per Run 3	-0.0002 ppm	1.2361 ppm	-0.0001 ppm	0.0276 ppm	0.0229 ppm	0.0000 ppm	43.8794 ppm
Concentration RSD	265.4 %	0.5 %	156.8 %	1.0 %	0.4 %	190.5 %	0.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0003 ppm	0.0003 ppm	0.0003 ppm	0.0020 ppm	0.0624 ppm	5.4275 ppm	0.0037 ppm
Concentration per Run 1	-0.0003 ppm	0.0005 ppm	0.0005 ppm	0.0018 ppm	0.0632 ppm	5.4232 ppm	0.0036 ppm
Concentration per Run 2	-0.0002 ppm	-0.0001 ppm	0.0003 ppm	0.0024 ppm	0.0616 ppm	5.4069 ppm	0.0036 ppm
Concentration per Run 3	-0.0003 ppm	0.0003 ppm	0.0002 ppm	0.0019 ppm	0.0624 ppm	5.4525 ppm	0.0039 ppm
Concentration RSD	22.0 %	112.0 %	39.1 %	15.4 %	1.3 %	0.4 %	4.4 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	11.2581 ppm	0.0060 ppm	0.0448 ppm	313.5822 [SIC 500]	0.0019 ppm	-0.0004 ppm	0.0083 ppm
Concentration per Run 1	11.2597 ppm	0.0060 ppm	0.0451 ppm	312.5503 ppm	0.0021 ppm	-0.0011 ppm	0.0081 ppm
Concentration per Run 2	11.2971 ppm	0.0059 ppm	0.0453 ppm	313.3424 ppm	0.0019 ppm	-0.0001 ppm	0.0082 ppm
Concentration per Run 3	11.2176 ppm	0.0059 ppm	0.0441 ppm	314.8539 ppm	0.0017 ppm	0.0002 ppm	0.0086 ppm
Concentration RSD	0.4 %	1.4 %	1.4 %	0.4 %	9.4 %	182.3 %	3.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0012 ppm	0.1916 ppm	0.0027 ppm	0.2182 ppm	0.0011 ppm	0.0010 ppm	0.0011 ppm
Concentration per Run 1	0.0015 ppm	0.1898 ppm	0.0030 ppm	0.2168 ppm	0.0012 ppm	0.0011 ppm	0.0012 ppm
Concentration per Run 2	0.0013 ppm	0.1951 ppm	0.0027 ppm	0.2181 ppm	0.0011 ppm	0.0011 ppm	0.0010 ppm
Concentration per Run 3	0.0009 ppm	0.1899 ppm	0.0024 ppm	0.2197 ppm	0.0010 ppm	0.0008 ppm	0.0010 ppm
Concentration RSD	25.2 %	1.6 %	11.3 %	0.7 %	7.1 %	19.4 %	13.0 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0035 ppm	91.8164 %	97.9534 %	81.0690 %	88.3681 %	95.9577 %	89.6690 %
Concentration per Run 1	0.0036 ppm	92.2590 %	97.8137 %	80.5945 %	88.7970 %	95.9813 %	89.8224 %
Concentration per Run 2	0.0035 ppm	91.1194 %	97.7259 %	81.3646 %	87.9214 %	95.6580 %	89.9336 %
Concentration per Run 3	0.0033 ppm	92.0707 %	98.3204 %	81.2478 %	88.3859 %	96.2336 %	89.2509 %
Concentration RSD	4.6 %	0.7 %	0.3 %	0.5 %	0.5 %	0.3 %	0.4 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: L2536782-01 WG2082423
 Analysis started at: 6/30/2025 10:56:57 PM
 Rack: 2
 Vial: 59
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0001 ppm	0.0110 ppm	-0.0006 ppm	0.0524 ppm	0.0688 ppm	0.0000 ppm	78.1309 ppm
Concentration per Run 1	-0.0001 ppm	0.0100 ppm	-0.0010 ppm	0.0517 ppm	0.0691 ppm	0.0000 ppm	78.7244 ppm
Concentration per Run 2	0.0000 ppm	0.0120 ppm	0.0000 ppm	0.0521 ppm	0.0686 ppm	0.0000 ppm	77.1667 ppm
Concentration per Run 3	-0.0003 ppm	0.0111 ppm	-0.0007 ppm	0.0534 ppm	0.0687 ppm	0.0000 ppm	78.5017 ppm
Concentration RSD	120.1 %	9.1 %	88.9 %	1.7 %	0.5 %	15.3 %	1.1 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0004 ppm	-0.0002 ppm	0.0007 ppm	0.0206 ppm	0.0135 ppm	9.4763 ppm	0.0017 ppm
Concentration per Run 1	0.0004 ppm	-0.0007 ppm	0.0008 ppm	0.0204 ppm	0.0139 ppm	9.4874 ppm	0.0025 ppm
Concentration per Run 2	0.0004 ppm	-0.0002 ppm	0.0007 ppm	0.0206 ppm	0.0129 ppm	9.5736 ppm	0.0016 ppm
Concentration per Run 3	0.0004 ppm	0.0003 ppm	0.0006 ppm	0.0208 ppm	0.0137 ppm	9.3679 ppm	0.0011 ppm
Concentration RSD	7.4 %	254.3 %	14.9 %	0.9 %	3.7 %	1.1 %	39.0 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	9.9021 ppm	0.0011 ppm	0.0023 ppm	189.8913 [SIC 500]	0.0158 ppm	0.0017 ppm	0.0015 ppm
Concentration per Run 1	9.8866 ppm	0.0011 ppm	0.0022 ppm	189.3219 ppm	0.0162 ppm	0.0014 ppm	-0.0001 ppm
Concentration per Run 2	9.8700 ppm	0.0010 ppm	0.0025 ppm	191.4494 ppm	0.0153 ppm	0.0022 ppm	0.0027 ppm
Concentration per Run 3	9.9496 ppm	0.0012 ppm	0.0024 ppm	188.9025 ppm	0.0159 ppm	0.0015 ppm	0.0020 ppm
Concentration RSD	0.4 %	8.2 %	6.6 %	0.7 %	3.1 %	26.2 %	95.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0005 ppm	5.1154 ppm	0.0008 ppm	0.3957 ppm	0.0006 ppm	-0.0003 ppm	0.0004 ppm
Concentration per Run 1	0.0000 ppm	5.1006 ppm	0.0000 ppm	0.3974 ppm	0.0007 ppm	-0.0001 ppm	0.0005 ppm
Concentration per Run 2	-0.0002 ppm	5.0977 ppm	0.0009 ppm	0.3945 ppm	0.0005 ppm	-0.0003 ppm	0.0002 ppm
Concentration per Run 3	0.0016 ppm	5.1479 ppm	0.0013 ppm	0.3953 ppm	0.0006 ppm	-0.0004 ppm	0.0004 ppm
Concentration RSD	199.4 %	0.6 %	87.5 %	0.4 %	18.3 %	51.3 %	44.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0861 ppm	92.3539 %	98.1655 %	82.6808 %	89.1960 %	96.2477 %	90.2798 %
Concentration per Run 1	0.0857 ppm	92.4542 %	97.4143 %	82.1991 %	89.4427 %	95.5342 %	89.9721 %
Concentration per Run 2	0.0856 ppm	92.8403 %	98.9674 %	83.2925 %	89.4853 %	96.5034 %	90.6028 %
Concentration per Run 3	0.0869 ppm	91.7673 %	98.1147 %	82.5507 %	88.6601 %	96.7056 %	90.2646 %
Concentration RSD	0.8 %	0.6 %	0.8 %	0.7 %	0.5 %	0.7 %	0.3 %

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7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: L2536782-02 WG2082423
 Analysis started at: 6/30/2025 11:00:11 PM
 Rack: 2
 Vial: 60
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0002 ppm	0.0299 ppm	0.0009 ppm	0.0508 ppm	0.0715 ppm	0.0000 ppm	80.1138 ppm
Concentration per Run 1	-0.0001 ppm	0.0296 ppm	0.0009 ppm	0.0509 ppm	0.0717 ppm	0.0000 ppm	80.0579 ppm
Concentration per Run 2	-0.0002 ppm	0.0263 ppm	0.0014 ppm	0.0504 ppm	0.0716 ppm	0.0000 ppm	80.3676 ppm
Concentration per Run 3	-0.0003 ppm	0.0338 ppm	0.0005 ppm	0.0511 ppm	0.0713 ppm	0.0000 ppm	79.9158 ppm
Concentration RSD	60.3 %	12.7 %	48.9 %	0.6 %	0.3 %	127.8 %	0.3 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0004 ppm	0.0001 ppm	0.0009 ppm	0.0327 ppm	0.0334 ppm	9.5523 ppm	0.0022 ppm
Concentration per Run 1	0.0005 ppm	0.0000 ppm	0.0010 ppm	0.0327 ppm	0.0332 ppm	9.6522 ppm	0.0027 ppm
Concentration per Run 2	0.0005 ppm	0.0000 ppm	0.0011 ppm	0.0329 ppm	0.0341 ppm	9.5712 ppm	0.0021 ppm
Concentration per Run 3	0.0004 ppm	0.0002 ppm	0.0005 ppm	0.0325 ppm	0.0330 ppm	9.4336 ppm	0.0018 ppm
Concentration RSD	9.0 %	180.1 %	34.8 %	0.5 %	1.8 %	1.2 %	21.4 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	10.0002 ppm	0.0249 ppm	0.0015 ppm	191.3990 [SIC 500]	0.0187 ppm	-0.0001 ppm	-0.0011 ppm
Concentration per Run 1	9.9834 ppm	0.0251 ppm	0.0013 ppm	191.4489 ppm	0.0181 ppm	-0.0008 ppm	-0.0015 ppm
Concentration per Run 2	10.0538 ppm	0.0248 ppm	0.0015 ppm	193.6594 ppm	0.0190 ppm	0.0001 ppm	-0.0006 ppm
Concentration per Run 3	9.9634 ppm	0.0248 ppm	0.0018 ppm	189.0885 ppm	0.0191 ppm	0.0004 ppm	-0.0011 ppm
Concentration RSD	0.5 %	0.7 %	17.3 %	1.2 %	2.9 %	795.3 %	38.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0014 ppm	5.1808 ppm	0.0002 ppm	0.4019 ppm	0.0014 ppm	0.0001 ppm	0.0003 ppm
Concentration per Run 1	0.0025 ppm	5.1877 ppm	-0.0002 ppm	0.4038 ppm	0.0015 ppm	0.0003 ppm	0.0003 ppm
Concentration per Run 2	0.0018 ppm	5.1945 ppm	0.0006 ppm	0.4002 ppm	0.0012 ppm	0.0002 ppm	0.0004 ppm
Concentration per Run 3	0.0000 ppm	5.1601 ppm	0.0001 ppm	0.4017 ppm	0.0014 ppm	-0.0002 ppm	0.0001 ppm
Concentration RSD	88.8 %	0.4 %	240.7 %	0.4 %	11.4 %	256.3 %	50.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0615 ppm	92.9990 %	97.9848 %	82.9948 %	89.4243 %	96.2544 %	90.8392 %
Concentration per Run 1	0.0613 ppm	92.9287 %	97.8649 %	82.8737 %	89.4105 %	96.1891 %	90.8007 %
Concentration per Run 2	0.0615 ppm	92.4191 %	98.1947 %	83.4700 %	89.0503 %	96.9934 %	91.0828 %
Concentration per Run 3	0.0616 ppm	93.6490 %	97.8947 %	82.6406 %	89.8120 %	95.5806 %	90.6341 %
Concentration RSD	0.2 %	0.7 %	0.2 %	0.5 %	0.4 %	0.7 %	0.2 %

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7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: L2536926-01 WG2082423
 Analysis started at: 6/30/2025 11:03:26 PM
 Rack: 3
 Vial: 1
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0001 ppm	1.3771 ppm	0.0000 ppm	0.0059 ppm	0.0049 ppm	0.0000 ppm	4.0251 ppm
Concentration per Run 1	0.0002 ppm	1.3856 ppm	-0.0004 ppm	0.0056 ppm	0.0048 ppm	0.0000 ppm	4.0286 ppm
Concentration per Run 2	-0.0003 ppm	1.3714 ppm	0.0009 ppm	0.0060 ppm	0.0048 ppm	0.0000 ppm	4.0316 ppm
Concentration per Run 3	-0.0001 ppm	1.3743 ppm	-0.0006 ppm	0.0061 ppm	0.0049 ppm	0.0000 ppm	4.0152 ppm
Concentration RSD	312.7 %	0.5 %	2,882.6 %	4.4 %	0.8 %	28.6 %	0.2 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0000 ppm	-0.0001 ppm	0.0001 ppm	0.0028 ppm	0.1464 ppm	1.0191 ppm	0.0006 ppm
Concentration per Run 1	-0.0001 ppm	0.0003 ppm	0.0003 ppm	0.0027 ppm	0.1461 ppm	1.0231 ppm	0.0006 ppm
Concentration per Run 2	0.0000 ppm	-0.0006 ppm	0.0000 ppm	0.0028 ppm	0.1460 ppm	1.0324 ppm	0.0005 ppm
Concentration per Run 3	0.0001 ppm	0.0001 ppm	0.0001 ppm	0.0029 ppm	0.1470 ppm	1.0017 ppm	0.0008 ppm
Concentration RSD	1,698.1 %	581.0 %	129.0 %	3.9 %	0.4 %	1.5 %	29.1 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.9774 ppm	0.1409 ppm	0.0004 ppm	16.1258 ppm	0.0005 ppm	-0.0005 ppm	-0.0004 ppm
Concentration per Run 1	0.9762 ppm	0.1415 ppm	0.0008 ppm	16.2548 ppm	0.0008 ppm	-0.0006 ppm	0.0007 ppm
Concentration per Run 2	0.9789 ppm	0.1412 ppm	0.0001 ppm	16.1645 ppm	-0.0002 ppm	-0.0003 ppm	0.0004 ppm
Concentration per Run 3	0.9772 ppm	0.1401 ppm	0.0004 ppm	15.9581 ppm	0.0007 ppm	-0.0008 ppm	-0.0023 ppm
Concentration RSD	0.1 %	0.5 %	76.3 %	0.9 %	115.5 %	45.1 %	435.2 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0010 ppm	0.8606 ppm	0.0003 ppm	0.0242 ppm	0.0003 ppm	0.0009 ppm	0.0003 ppm
Concentration per Run 1	0.0022 ppm	0.8574 ppm	0.0002 ppm	0.0243 ppm	0.0003 ppm	0.0008 ppm	0.0003 ppm
Concentration per Run 2	0.0008 ppm	0.8591 ppm	0.0003 ppm	0.0242 ppm	0.0002 ppm	0.0011 ppm	0.0002 ppm
Concentration per Run 3	0.0000 ppm	0.8654 ppm	0.0004 ppm	0.0242 ppm	0.0003 ppm	0.0008 ppm	0.0003 ppm
Concentration RSD	110.9 %	0.5 %	28.3 %	0.4 %	29.2 %	20.3 %	12.6 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0018 ppm	101.6595 %	102.1695 %	99.3775 %	98.3646 %	100.4293 %	99.1623 %
Concentration per Run 1	0.0019 ppm	102.4135 %	102.3325 %	99.0180 %	99.2488 %	100.9367 %	99.0322 %
Concentration per Run 2	0.0018 ppm	101.4454 %	101.9069 %	100.2736 %	98.1317 %	99.8705 %	99.6008 %
Concentration per Run 3	0.0016 ppm	101.1196 %	102.2691 %	98.8411 %	97.7133 %	100.4807 %	98.8538 %
Concentration RSD	8.1 %	0.7 %	0.2 %	0.8 %	0.8 %	0.5 %	0.4 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: L2536926-02 WG2082423
 Analysis started at: 6/30/2025 11:06:41 PM
 Rack: 3
 Vial: 2
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0001 ppm	0.0114 ppm	-0.0006 ppm	0.0055 ppm	0.0044 ppm	0.0000 ppm	3.9018 ppm
Concentration per Run 1	0.0002 ppm	0.0108 ppm	-0.0010 ppm	0.0058 ppm	0.0044 ppm	0.0000 ppm	3.8719 ppm
Concentration per Run 2	0.0001 ppm	0.0111 ppm	-0.0004 ppm	0.0043 ppm	0.0043 ppm	0.0000 ppm	3.9003 ppm
Concentration per Run 3	0.0001 ppm	0.0122 ppm	-0.0004 ppm	0.0063 ppm	0.0044 ppm	0.0000 ppm	3.9331 ppm
Concentration RSD	71.2 %	6.3 %	52.2 %	19.5 %	1.6 %	123.3 %	0.8 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0000 ppm	-0.0002 ppm	0.0003 ppm	0.0280 ppm	0.0821 ppm	0.7262 ppm	0.0005 ppm
Concentration per Run 1	0.0001 ppm	-0.0003 ppm	0.0003 ppm	0.0283 ppm	0.0836 ppm	0.7588 ppm	0.0006 ppm
Concentration per Run 2	-0.0001 ppm	0.0001 ppm	0.0003 ppm	0.0277 ppm	0.0810 ppm	0.7177 ppm	0.0005 ppm
Concentration per Run 3	-0.0001 ppm	-0.0004 ppm	0.0004 ppm	0.0280 ppm	0.0817 ppm	0.7021 ppm	0.0003 ppm
Concentration RSD	208.8 %	108.5 %	22.6 %	1.1 %	1.7 %	4.0 %	30.7 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.9563 ppm	0.0966 ppm	0.0003 ppm	15.7996 ppm	0.0002 ppm	0.0001 ppm	-0.0017 ppm
Concentration per Run 1	0.9586 ppm	0.0962 ppm	0.0005 ppm	16.1544 ppm	0.0002 ppm	0.0001 ppm	-0.0005 ppm
Concentration per Run 2	0.9459 ppm	0.0967 ppm	0.0003 ppm	15.8002 ppm	0.0003 ppm	0.0000 ppm	-0.0018 ppm
Concentration per Run 3	0.9643 ppm	0.0971 ppm	0.0002 ppm	15.4442 ppm	0.0003 ppm	0.0003 ppm	-0.0028 ppm
Concentration RSD	1.0 %	0.5 %	36.9 %	2.2 %	24.3 %	98.7 %	66.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0002 ppm	0.8128 ppm	-0.0002 ppm	0.0235 ppm	0.0003 ppm	0.0004 ppm	0.0001 ppm
Concentration per Run 1	0.0011 ppm	0.8129 ppm	0.0000 ppm	0.0237 ppm	0.0003 ppm	0.0004 ppm	0.0001 ppm
Concentration per Run 2	-0.0008 ppm	0.8056 ppm	0.0002 ppm	0.0232 ppm	0.0004 ppm	0.0004 ppm	0.0000 ppm
Concentration per Run 3	-0.0008 ppm	0.8200 ppm	-0.0007 ppm	0.0235 ppm	0.0003 ppm	0.0005 ppm	0.0002 ppm
Concentration RSD	581.0 %	0.9 %	280.4 %	1.0 %	15.0 %	9.5 %	68.0 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0247 ppm	102.3495 %	102.6176 %	99.6829 %	99.5880 %	100.4436 %	99.8476 %
Concentration per Run 1	0.0246 ppm	102.6348 %	102.7387 %	99.2814 %	100.2681 %	99.9728 %	99.9272 %
Concentration per Run 2	0.0245 ppm	102.7822 %	102.6751 %	100.6439 %	99.8880 %	100.4167 %	99.7103 %
Concentration per Run 3	0.0251 ppm	101.6316 %	102.4389 %	99.1233 %	98.6078 %	100.9412 %	99.9053 %
Concentration RSD	1.3 %	0.6 %	0.2 %	0.8 %	0.9 %	0.5 %	0.1 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: L2537038-01 WG2082423
 Analysis started at: 6/30/2025 11:09:56 PM
 Rack: 3
 Vial: 3
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0003 ppm	0.1075 ppm	0.0034 ppm	0.0276 ppm	0.0017 ppm	0.0000 ppm	4.2617 ppm
Concentration per Run 1	0.0003 ppm	0.1089 ppm	0.0028 ppm	0.0273 ppm	0.0017 ppm	0.0000 ppm	4.2530 ppm
Concentration per Run 2	0.0003 ppm	0.1062 ppm	0.0045 ppm	0.0281 ppm	0.0017 ppm	0.0000 ppm	4.2790 ppm
Concentration per Run 3	0.0001 ppm	0.1074 ppm	0.0029 ppm	0.0274 ppm	0.0017 ppm	0.0000 ppm	4.2531 ppm
Concentration RSD	57.5 %	1.3 %	29.7 %	1.7 %	2.8 %	76.2 %	0.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0000 ppm	0.0004 ppm	0.0034 ppm	0.0072 ppm	1.9617 ppm	69.0095 ppm	0.0017 ppm
Concentration per Run 1	-0.0001 ppm	0.0007 ppm	0.0036 ppm	0.0074 ppm	1.9531 ppm	69.0778 ppm	0.0016 ppm
Concentration per Run 2	-0.0001 ppm	0.0003 ppm	0.0034 ppm	0.0072 ppm	1.9690 ppm	69.0851 ppm	0.0018 ppm
Concentration per Run 3	0.0000 ppm	0.0001 ppm	0.0032 ppm	0.0069 ppm	1.9629 ppm	68.8656 ppm	0.0018 ppm
Concentration RSD	113.9 %	88.5 %	5.1 %	3.6 %	0.4 %	0.2 %	4.9 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	3.4510 ppm	0.0247 ppm	0.0013 ppm	425.7440 [SIC 500]	0.0160 ppm	0.0000 ppm	-0.0006 ppm
Concentration per Run 1	3.4520 ppm	0.0247 ppm	0.0013 ppm	426.5614 ppm	0.0157 ppm	-0.0003 ppm	-0.0037 ppm
Concentration per Run 2	3.4668 ppm	0.0248 ppm	0.0012 ppm	423.9647 ppm	0.0158 ppm	-0.0002 ppm	0.0008 ppm
Concentration per Run 3	3.4341 ppm	0.0245 ppm	0.0014 ppm	426.7060 ppm	0.0164 ppm	0.0006 ppm	0.0011 ppm
Concentration RSD	0.5 %	0.7 %	5.3 %	0.4 %	2.6 %	3,060.9 %	437.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0041 ppm	1.1432 ppm	0.0015 ppm	0.0217 ppm	0.0009 ppm	-0.0079 ppm	0.0006 ppm
Concentration per Run 1	0.0032 ppm	1.1437 ppm	0.0022 ppm	0.0217 ppm	0.0008 ppm	-0.0081 ppm	0.0006 ppm
Concentration per Run 2	0.0075 ppm	1.1546 ppm	0.0018 ppm	0.0217 ppm	0.0010 ppm	-0.0076 ppm	0.0007 ppm
Concentration per Run 3	0.0017 ppm	1.1312 ppm	0.0005 ppm	0.0218 ppm	0.0008 ppm	-0.0081 ppm	0.0005 ppm
Concentration RSD	71.8 %	1.0 %	62.1 %	0.4 %	15.4 %	4.0 %	17.6 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0338 ppm	88.7613 %	97.3659 %	77.9776 %	85.5018 %	95.1062 %	87.8456 %
Concentration per Run 1	0.0337 ppm	88.7620 %	97.6472 %	78.0327 %	85.2933 %	95.0934 %	88.1314 %
Concentration per Run 2	0.0339 ppm	87.9581 %	96.7435 %	77.8101 %	85.1616 %	94.5979 %	87.9663 %
Concentration per Run 3	0.0339 ppm	89.5638 %	97.7071 %	78.0900 %	86.0505 %	95.6273 %	87.4392 %
Concentration RSD	0.2 %	0.9 %	0.6 %	0.2 %	0.6 %	0.5 %	0.4 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: L2537047-01 WG2082423
 Analysis started at: 6/30/2025 11:13:11 PM
 Rack: 3
 Vial: 4
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0004 ppm	0.1181 ppm	0.0032 ppm	0.0239 ppm	0.0172 ppm	0.0000 ppm	18.0018 ppm
Concentration per Run 1	0.0004 ppm	0.1181 ppm	0.0020 ppm	0.0235 ppm	0.0174 ppm	0.0000 ppm	18.3245 ppm
Concentration per Run 2	0.0006 ppm	0.1168 ppm	0.0036 ppm	0.0233 ppm	0.0173 ppm	0.0000 ppm	18.0483 ppm
Concentration per Run 3	0.0002 ppm	0.1193 ppm	0.0040 ppm	0.0247 ppm	0.0168 ppm	0.0000 ppm	17.6325 ppm
Concentration RSD	46.8 %	1.0 %	33.4 %	3.1 %	2.1 %	158.2 %	1.9 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	-0.0001 ppm	0.0249 ppm	0.0083 ppm	0.0363 ppm	0.4979 ppm	5.4074 ppm	0.0031 ppm
Concentration per Run 1	-0.0001 ppm	0.0257 ppm	0.0082 ppm	0.0362 ppm	0.5079 ppm	5.4403 ppm	0.0031 ppm
Concentration per Run 2	0.0000 ppm	0.0244 ppm	0.0086 ppm	0.0362 ppm	0.4981 ppm	5.4655 ppm	0.0037 ppm
Concentration per Run 3	-0.0001 ppm	0.0245 ppm	0.0082 ppm	0.0364 ppm	0.4878 ppm	5.3163 ppm	0.0026 ppm
Concentration RSD	37.6 %	2.8 %	2.4 %	0.3 %	2.0 %	1.5 %	17.7 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	2.3157 ppm	0.0730 ppm	0.0013 ppm	35.1830 ppm	0.0469 ppm	0.0013 ppm	-0.0007 ppm
Concentration per Run 1	2.3351 ppm	0.0746 ppm	0.0011 ppm	35.1561 ppm	0.0480 ppm	0.0020 ppm	-0.0009 ppm
Concentration per Run 2	2.3082 ppm	0.0731 ppm	0.0014 ppm	35.5187 ppm	0.0460 ppm	0.0006 ppm	-0.0024 ppm
Concentration per Run 3	2.3036 ppm	0.0712 ppm	0.0013 ppm	34.8743 ppm	0.0467 ppm	0.0012 ppm	0.0011 ppm
Concentration RSD	0.7 %	2.3 %	15.1 %	0.9 %	2.2 %	58.3 %	243.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0015 ppm	0.9450 ppm	0.0000 ppm	0.1232 ppm	0.0012 ppm	0.0002 ppm	0.0004 ppm
Concentration per Run 1	0.0026 ppm	0.9554 ppm	0.0000 ppm	0.1250 ppm	0.0013 ppm	0.0002 ppm	0.0003 ppm
Concentration per Run 2	0.0005 ppm	0.9387 ppm	0.0007 ppm	0.1241 ppm	0.0012 ppm	0.0001 ppm	0.0004 ppm
Concentration per Run 3	0.0016 ppm	0.9409 ppm	-0.0008 ppm	0.1206 ppm	0.0011 ppm	0.0004 ppm	0.0005 ppm
Concentration RSD	68.6 %	1.0 %	1,435.7 %	1.9 %	10.2 %	59.0 %	17.5 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.1113 ppm	99.8733 %	101.4865 %	95.1367 %	96.9813 %	99.7654 %	96.6615 %
Concentration per Run 1	0.1136 ppm	98.9817 %	99.9335 %	94.7412 %	96.5130 %	98.2027 %	96.3371 %
Concentration per Run 2	0.1108 ppm	100.1704 %	101.3441 %	94.9532 %	96.9246 %	100.5309 %	96.4912 %
Concentration per Run 3	0.1095 ppm	100.4677 %	103.1819 %	95.7158 %	97.5062 %	100.5626 %	97.1563 %
Concentration RSD	1.9 %	0.8 %	1.6 %	0.5 %	0.5 %	1.4 %	0.5 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: L2537942-02d4 WG2082696
 Analysis started at: 6/30/2025 11:16:26 PM
 Rack: 3
 Vial: 5
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0008 ppm	21.2608 ppm	0.1032 ppm	0.0333 ppm	0.1521 ppm	0.0010 ppm	20.6731 ppm
Concentration per Run 1	-0.0007 ppm	21.2915 ppm	0.1050 ppm	0.0338 ppm	0.1523 ppm	0.0010 ppm	20.8145 ppm
Concentration per Run 2	-0.0009 ppm	21.2824 ppm	0.1022 ppm	0.0339 ppm	0.1513 ppm	0.0010 ppm	20.5569 ppm
Concentration per Run 3	-0.0009 ppm	21.2086 ppm	0.1026 ppm	0.0324 ppm	0.1526 ppm	0.0010 ppm	20.6480 ppm
Concentration RSD	13.0 %	0.2 %	1.5 %	2.4 %	0.5 %	3.6 %	0.6 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0020 ppm	0.0300 ppm	0.0955 ppm	0.2684 ppm	230.0475 ppm	2.6179 ppm	0.0398 ppm
Concentration per Run 1	0.0019 ppm	0.0303 ppm	0.0961 ppm	0.2693 ppm	230.8834 ppm	2.6458 ppm	0.0406 ppm
Concentration per Run 2	0.0020 ppm	0.0304 ppm	0.0945 ppm	0.2694 ppm	229.0449 ppm	2.6287 ppm	0.0397 ppm
Concentration per Run 3	0.0020 ppm	0.0294 ppm	0.0957 ppm	0.2665 ppm	230.2142 ppm	2.5792 ppm	0.0390 ppm
Concentration RSD	2.9 %	1.9 %	0.9 %	0.6 %	0.4 %	1.3 %	2.0 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	10.0301 ppm	8.6732 ppm	0.0028 ppm	0.4787 ppm	0.0532 ppm	0.3599 ppm	-0.0035 ppm
Concentration per Run 1	10.0780 ppm	8.7077 ppm	0.0025 ppm	0.4819 ppm	0.0528 ppm	0.3661 ppm	-0.0033 ppm
Concentration per Run 2	9.9666 ppm	8.6231 ppm	0.0029 ppm	0.4796 ppm	0.0533 ppm	0.3580 ppm	-0.0029 ppm
Concentration per Run 3	10.0457 ppm	8.6889 ppm	0.0029 ppm	0.4745 ppm	0.0537 ppm	0.3557 ppm	-0.0044 ppm
Concentration RSD	0.6 %	0.5 %	7.5 %	0.8 %	0.8 %	1.5 %	22.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0016 ppm	1.8516 ppm	0.0255 ppm	0.1543 ppm	2.3864 ppm	-0.0043 ppm	0.2841 ppm
Concentration per Run 1	-0.0012 ppm	1.8587 ppm	0.0259 ppm	0.1545 ppm	2.3949 ppm	-0.0043 ppm	0.2853 ppm
Concentration per Run 2	-0.0010 ppm	1.8487 ppm	0.0254 ppm	0.1536 ppm	2.3777 ppm	-0.0042 ppm	0.2836 ppm
Concentration per Run 3	-0.0026 ppm	1.8474 ppm	0.0252 ppm	0.1549 ppm	2.3867 ppm	-0.0044 ppm	0.2835 ppm
Concentration RSD	54.5 %	0.3 %	1.4 %	0.4 %	0.4 %	2.3 %	0.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.3467 ppm	99.9240 %	100.4394 %	87.1297 %	99.3548 %	102.0346 %	99.1597 %
Concentration per Run 1	0.3483 ppm	99.5818 %	100.0933 %	86.1772 %	99.1497 %	102.1709 %	98.8703 %
Concentration per Run 2	0.3437 ppm	100.3267 %	101.0190 %	87.7758 %	100.1799 %	102.3387 %	99.5219 %
Concentration per Run 3	0.3481 ppm	99.8634 %	100.2060 %	87.4360 %	98.7349 %	101.5941 %	99.0869 %
Concentration RSD	0.8 %	0.4 %	0.5 %	1.0 %	0.7 %	0.4 %	0.3 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: CCV
Analysis started at: 6/30/2025 11:19:41 PM
Rack: 0
Vial: 3
Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.4948 ppm	0.4723 ppm	0.4756 ppm	0.4614 ppm	0.4926 ppm	0.4869 ppm	0.4717 ppm
Concentration per Run 1	0.4919 ppm	0.4709 ppm	0.4771 ppm	0.4581 ppm	0.4925 ppm	0.4857 ppm	0.4708 ppm
Concentration per Run 2	0.4951 ppm	0.4803 ppm	0.4745 ppm	0.4617 ppm	0.4917 ppm	0.4864 ppm	0.4722 ppm
Concentration per Run 3	0.4973 ppm	0.4658 ppm	0.4751 ppm	0.4643 ppm	0.4935 ppm	0.4887 ppm	0.4721 ppm
Recovery Percentage 1	98.955 %	94.463 %	95.113 %	92.278 %	98.511 %	97.383 %	94.343 %
Concentration RSD	0.5 %	1.6 %	0.3 %	0.7 %	0.2 %	0.3 %	0.2 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.4549 ppm	0.4718 ppm	0.4752 ppm	0.4946 ppm	0.4976 ppm	5.2938 ppm	0.5261 ppm
Concentration per Run 1	0.4544 ppm	0.4709 ppm	0.4725 ppm	0.4927 ppm	0.4952 ppm	5.3439 ppm	0.5334 ppm
Concentration per Run 2	0.4569 ppm	0.4738 ppm	0.4777 ppm	0.4930 ppm	0.5005 ppm	5.2867 ppm	0.5226 ppm
Concentration per Run 3	0.4534 ppm	0.4708 ppm	0.4754 ppm	0.4980 ppm	0.4970 ppm	5.2510 ppm	0.5223 ppm
Recovery Percentage 1	90.972 %	94.366 %	95.035 %	98.912 %	99.512 %	105.877 %	105.217 %
Concentration RSD	0.4 %	0.4 %	0.5 %	0.6 %	0.5 %	0.9 %	1.2 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.4763 ppm	0.4825 ppm	0.4596 ppm	10.3876 ppm	0.4847 ppm	0.5000 ppm	0.4886 ppm
Concentration per Run 1	0.4754 ppm	0.4809 ppm	0.4577 ppm	10.3251 ppm	0.4813 ppm	0.4964 ppm	0.4845 ppm
Concentration per Run 2	0.4777 ppm	0.4832 ppm	0.4606 ppm	10.5066 ppm	0.4876 ppm	0.5033 ppm	0.4886 ppm
Concentration per Run 3	0.4756 ppm	0.4834 ppm	0.4606 ppm	10.3311 ppm	0.4852 ppm	0.5004 ppm	0.4925 ppm
Recovery Percentage 1	95.253 %	96.499 %	91.928 %	103.876 %	96.939 %	100.006 %	97.711 %
Concentration RSD	0.3 %	0.3 %	0.4 %	1.0 %	0.7 %	0.7 %	0.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.4787 ppm	5.0218 ppm	0.4683 ppm	0.4921 ppm	0.4757 ppm	0.5037 ppm	0.4829 ppm
Concentration per Run 1	0.4794 ppm	4.9923 ppm	0.4678 ppm	0.4919 ppm	0.4739 ppm	0.5008 ppm	0.4821 ppm
Concentration per Run 2	0.4772 ppm	5.0296 ppm	0.4687 ppm	0.4906 ppm	0.4774 ppm	0.5057 ppm	0.4836 ppm
Concentration per Run 3	0.4795 ppm	5.0435 ppm	0.4684 ppm	0.4937 ppm	0.4757 ppm	0.5047 ppm	0.4830 ppm
Recovery Percentage 1	95.744 %	95.653 %	93.662 %	98.419 %	95.138 %	100.745 %	96.577 %
Concentration RSD	0.3 %	0.5 %	0.1 %	0.3 %	0.4 %	0.5 %	0.1 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4660 ppm	101.3222 %	101.3969 %	98.6145 %	98.1032 %	100.1434 %	99.5344 %
Concentration per Run 1	0.4645 ppm	101.3517 %	101.5918 %	98.3926 %	98.0515 %	100.3730 %	98.9313 %
Concentration per Run 2	0.4701 ppm	101.2820 %	101.9891 %	98.6640 %	98.0260 %	100.8131 %	100.0242 %
Concentration per Run 3	0.4635 ppm	101.3330 %	100.6099 %	98.7868 %	98.2320 %	99.2441 %	99.6478 %
Recovery Percentage 1	93.209 %						
Concentration RSD	0.8 %	0.0 %	0.7 %	0.2 %	0.1 %	0.8 %	0.6 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: CCB
 Analysis started at: 6/30/2025 11:22:54 PM
 Rack: 0
 Vial: 4
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0001 ppm	0.0032 ppm	-0.0005 ppm	0.0010 ppm	0.0000 ppm	0.0000 ppm	-0.0006 ppm
Concentration per Run 1	0.0002 ppm	0.0039 ppm	-0.0003 ppm	0.0010 ppm	0.0000 ppm	0.0000 ppm	0.0009 ppm
Concentration per Run 2	0.0002 ppm	0.0010 ppm	-0.0017 ppm	0.0013 ppm	0.0000 ppm	0.0000 ppm	-0.0021 ppm
Concentration per Run 3	0.0000 ppm	0.0047 ppm	0.0004 ppm	0.0008 ppm	0.0000 ppm	0.0000 ppm	-0.0006 ppm
Recovery Percentage 1	1.868 %	3.189 %	-10.458 %	3.406 %	0.048 %	0.609 %	-0.593 %
Concentration RSD	77.7 %	60.5 %	201.9 %	26.5 %	402.6 %	39.6 %	251.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0000 ppm	0.0001 ppm	0.0000 ppm	0.0001 ppm	0.0021 ppm	0.0073 ppm	-0.0001 ppm
Concentration per Run 1	0.0001 ppm	-0.0001 ppm	0.0000 ppm	0.0002 ppm	0.0031 ppm	0.0073 ppm	0.0000 ppm
Concentration per Run 2	0.0000 ppm	0.0001 ppm	0.0001 ppm	0.0001 ppm	0.0025 ppm	0.0016 ppm	0.0001 ppm
Concentration per Run 3	0.0000 ppm	0.0002 ppm	0.0000 ppm	0.0002 ppm	0.0008 ppm	0.0131 ppm	-0.0003 ppm
Recovery Percentage 1	0.690 %	0.266 %	0.227 %	1.418 %	4.256 %	0.293 %	-1.017 %
Concentration RSD	91.9 %	347.5 %	284.8 %	52.4 %	56.1 %	78.6 %	417.2 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0014 ppm	0.0002 ppm	0.0020 ppm	0.0188 ppm	0.0004 ppm	-0.0011 ppm	-0.0014 ppm
Concentration per Run 1	0.0015 ppm	0.0001 ppm	0.0021 ppm	0.0169 ppm	0.0002 ppm	-0.0011 ppm	-0.0037 ppm
Concentration per Run 2	0.0009 ppm	0.0003 ppm	0.0021 ppm	0.0196 ppm	0.0005 ppm	-0.0015 ppm	-0.0005 ppm
Concentration per Run 3	0.0017 ppm	0.0003 ppm	0.0020 ppm	0.0198 ppm	0.0005 ppm	-0.0008 ppm	-0.0001 ppm
Recovery Percentage 1	1.385 %	2.307 %	4.091 %	0.938 %	1.492 %	-11.219 %	-2.843 %
Concentration RSD	33.4 %	30.9 %	3.2 %	8.9 %	41.1 %	34.6 %	137.8 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0006 ppm	-0.0052 ppm	0.0003 ppm	0.0000 ppm	0.0001 ppm	0.0007 ppm	0.0000 ppm
Concentration per Run 1	0.0006 ppm	-0.0046 ppm	0.0002 ppm	0.0000 ppm	0.0001 ppm	0.0017 ppm	0.0003 ppm
Concentration per Run 2	0.0004 ppm	-0.0052 ppm	0.0003 ppm	0.0001 ppm	0.0002 ppm	0.0000 ppm	-0.0001 ppm
Concentration per Run 3	0.0008 ppm	-0.0059 ppm	0.0005 ppm	0.0000 ppm	0.0001 ppm	0.0004 ppm	-0.0002 ppm
Recovery Percentage 1	5.824 %	-1.045 %	0.667 %	0.391 %	1.346 %	3.394 %	0.060 %
Concentration RSD	35.1 %	12.0 %	52.8 %	76.7 %	61.6 %	126.9 %	3,580.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0006 ppm	102.2076 %	101.9319 %	101.1636 %	101.9209 %	101.7310 %	101.6414 %
Concentration per Run 1	-0.0005 ppm	101.7233 %	102.0992 %	100.6846 %	102.4242 %	102.1254 %	101.6386 %
Concentration per Run 2	-0.0006 ppm	102.6409 %	101.8493 %	101.2157 %	102.0251 %	101.4261 %	101.5050 %
Concentration per Run 3	-0.0006 ppm	102.2587 %	101.8472 %	101.5904 %	101.3133 %	101.6413 %	101.7806 %
Recovery Percentage 1	-12.051 %						
Concentration RSD	12.8 %	0.5 %	0.1 %	0.4 %	0.6 %	0.4 %	0.1 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: L2537942-05d4 WG2082696
 Analysis started at: 6/30/2025 11:26:08 PM
 Rack: 3
 Vial: 6
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0018 ppm	25.5114 ppm	0.0652 ppm	0.0156 ppm	0.1557 ppm	0.0015 ppm	11.1101 ppm
Concentration per Run 1	-0.0019 ppm	25.5588 ppm	0.0644 ppm	0.0154 ppm	0.1550 ppm	0.0015 ppm	11.2043 ppm
Concentration per Run 2	-0.0013 ppm	25.4705 ppm	0.0669 ppm	0.0162 ppm	0.1559 ppm	0.0015 ppm	11.0495 ppm
Concentration per Run 3	-0.0024 ppm	25.5047 ppm	0.0643 ppm	0.0154 ppm	0.1562 ppm	0.0015 ppm	11.0765 ppm
Concentration RSD	28.4 %	0.2 %	2.2 %	3.0 %	0.4 %	0.8 %	0.7 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0023 ppm	0.0336 ppm	0.0795 ppm	0.0610 ppm	278.1882 ppm	2.3419 ppm	0.0215 ppm
Concentration per Run 1	0.0024 ppm	0.0339 ppm	0.0797 ppm	0.0614 ppm	278.3348 ppm	2.3208 ppm	0.0214 ppm
Concentration per Run 2	0.0022 ppm	0.0341 ppm	0.0806 ppm	0.0616 ppm	277.9986 ppm	2.3442 ppm	0.0218 ppm
Concentration per Run 3	0.0022 ppm	0.0329 ppm	0.0781 ppm	0.0602 ppm	278.2313 ppm	2.3606 ppm	0.0213 ppm
Concentration RSD	5.3 %	2.0 %	1.6 %	1.2 %	0.1 %	0.9 %	1.2 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	4.5257 ppm	6.0436 ppm	0.0051 ppm	0.1821 ppm	0.0476 ppm	0.0642 ppm	-0.0079 ppm
Concentration per Run 1	4.5443 ppm	6.0855 ppm	0.0055 ppm	0.1822 ppm	0.0482 ppm	0.0655 ppm	-0.0072 ppm
Concentration per Run 2	4.5531 ppm	6.0231 ppm	0.0052 ppm	0.1827 ppm	0.0479 ppm	0.0641 ppm	-0.0056 ppm
Concentration per Run 3	4.4798 ppm	6.0222 ppm	0.0047 ppm	0.1813 ppm	0.0469 ppm	0.0628 ppm	-0.0108 ppm
Concentration RSD	0.9 %	0.6 %	7.4 %	0.4 %	1.5 %	2.1 %	34.1 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0038 ppm	1.5540 ppm	0.0069 ppm	0.1114 ppm	1.1147 ppm	-0.0028 ppm	0.1774 ppm
Concentration per Run 1	-0.0051 ppm	1.5646 ppm	0.0073 ppm	0.1109 ppm	1.1246 ppm	-0.0035 ppm	0.1782 ppm
Concentration per Run 2	-0.0031 ppm	1.5634 ppm	0.0068 ppm	0.1116 ppm	1.1220 ppm	-0.0024 ppm	0.1779 ppm
Concentration per Run 3	-0.0033 ppm	1.5341 ppm	0.0065 ppm	0.1117 ppm	1.0975 ppm	-0.0024 ppm	0.1759 ppm
Concentration RSD	29.2 %	1.1 %	5.6 %	0.4 %	1.3 %	22.8 %	0.7 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.0801 ppm	98.7932 %	100.4605 %	87.0137 %	101.8803 %	105.2569 %	103.1068 %
Concentration per Run 1	0.0809 ppm	97.8616 %	100.2750 %	86.4897 %	101.4224 %	104.7884 %	102.8549 %
Concentration per Run 2	0.0806 ppm	98.7055 %	100.6625 %	86.7150 %	101.8478 %	105.2703 %	103.1328 %
Concentration per Run 3	0.0786 ppm	99.8124 %	100.4441 %	87.8363 %	102.3705 %	105.7120 %	103.3329 %
Concentration RSD	1.6 %	1.0 %	0.2 %	0.8 %	0.5 %	0.4 %	0.2 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: L2537942-07d10 WG2082696
 Analysis started at: 6/30/2025 11:29:23 PM
 Rack: 3
 Vial: 7
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0013 ppm	10.5230 ppm	0.1231 ppm	0.0106 ppm	0.1667 ppm	0.0011 ppm	8.0440 ppm
Concentration per Run 1	-0.0012 ppm	10.5373 ppm	0.1220 ppm	0.0113 ppm	0.1670 ppm	0.0011 ppm	8.0352 ppm
Concentration per Run 2	-0.0015 ppm	10.5661 ppm	0.1233 ppm	0.0099 ppm	0.1669 ppm	0.0011 ppm	8.0202 ppm
Concentration per Run 3	-0.0014 ppm	10.4655 ppm	0.1241 ppm	0.0106 ppm	0.1663 ppm	0.0011 ppm	8.0766 ppm
Concentration RSD	10.0 %	0.5 %	0.9 %	6.5 %	0.2 %	2.1 %	0.4 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0046 ppm	0.0441 ppm	0.0552 ppm	0.1549 ppm	217.5124 ppm	0.7462 ppm	0.0123 ppm
Concentration per Run 1	0.0046 ppm	0.0450 ppm	0.0558 ppm	0.1561 ppm	217.1026 ppm	0.7490 ppm	0.0127 ppm
Concentration per Run 2	0.0045 ppm	0.0440 ppm	0.0555 ppm	0.1549 ppm	217.6266 ppm	0.7560 ppm	0.0124 ppm
Concentration per Run 3	0.0047 ppm	0.0433 ppm	0.0542 ppm	0.1538 ppm	217.8082 ppm	0.7335 ppm	0.0119 ppm
Concentration RSD	1.5 %	1.8 %	1.5 %	0.7 %	0.2 %	1.5 %	2.9 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	2.5906 ppm	6.5854 ppm	0.0045 ppm	0.1630 ppm	0.0758 ppm	0.5868 ppm	-0.0043 ppm
Concentration per Run 1	2.6073 ppm	6.5689 ppm	0.0045 ppm	0.1627 ppm	0.0764 ppm	0.5793 ppm	-0.0055 ppm
Concentration per Run 2	2.6109 ppm	6.5897 ppm	0.0044 ppm	0.1661 ppm	0.0761 ppm	0.5876 ppm	-0.0025 ppm
Concentration per Run 3	2.5537 ppm	6.5977 ppm	0.0044 ppm	0.1601 ppm	0.0748 ppm	0.5934 ppm	-0.0047 ppm
Concentration RSD	1.2 %	0.2 %	1.4 %	1.8 %	1.1 %	1.2 %	36.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0007 ppm	0.7923 ppm	0.0234 ppm	0.0495 ppm	0.9186 ppm	-0.0026 ppm	0.1970 ppm
Concentration per Run 1	0.0000 ppm	0.8021 ppm	0.0231 ppm	0.0498 ppm	0.9249 ppm	-0.0031 ppm	0.1982 ppm
Concentration per Run 2	-0.0006 ppm	0.7994 ppm	0.0240 ppm	0.0494 ppm	0.9179 ppm	-0.0022 ppm	0.1983 ppm
Concentration per Run 3	-0.0015 ppm	0.7755 ppm	0.0232 ppm	0.0494 ppm	0.9130 ppm	-0.0027 ppm	0.1946 ppm
Concentration RSD	106.5 %	1.8 %	2.1 %	0.5 %	0.6 %	17.4 %	1.1 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.7764 ppm	100.4226 %	100.4646 %	90.0935 %	99.9534 %	101.7315 %	100.2300 %
Concentration per Run 1	0.7860 ppm	99.8039 %	100.9397 %	91.1565 %	99.8028 %	102.1989 %	100.5216 %
Concentration per Run 2	0.7805 ppm	100.0316 %	100.1158 %	89.8947 %	99.5527 %	101.4032 %	100.1546 %
Concentration per Run 3	0.7626 ppm	101.4324 %	100.3382 %	89.2292 %	100.5046 %	101.5925 %	100.0138 %
Concentration RSD	1.6 %	0.9 %	0.4 %	1.1 %	0.5 %	0.4 %	0.3 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: L2537942-08d4 WG2082696
 Analysis started at: 6/30/2025 11:32:38 PM
 Rack: 3
 Vial: 8
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	-0.0040 ppm	27.8851 ppm	0.0910 ppm	0.0350 ppm	0.3297 ppm	0.0016 ppm	34.0763 ppm
Concentration per Run 1	-0.0038 ppm	27.9077 ppm	0.0917 ppm	0.0344 ppm	0.3295 ppm	0.0016 ppm	34.0681 ppm
Concentration per Run 2	-0.0042 ppm	27.8443 ppm	0.0922 ppm	0.0354 ppm	0.3294 ppm	0.0016 ppm	34.0855 ppm
Concentration per Run 3	-0.0039 ppm	27.9032 ppm	0.0891 ppm	0.0351 ppm	0.3302 ppm	0.0017 ppm	34.0754 ppm
Concentration RSD	5.8 %	0.1 %	1.8 %	1.5 %	0.1 %	3.2 %	0.0 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0077 ppm	0.0726 ppm	0.1673 ppm	0.2655 ppm	448.9501 [SIC 700]	3.1742 ppm	0.0302 ppm
Concentration per Run 1	0.0076 ppm	0.0733 ppm	0.1678 ppm	0.2649 ppm	449.3081 ppm	3.1808 ppm	0.0309 ppm
Concentration per Run 2	0.0079 ppm	0.0729 ppm	0.1668 ppm	0.2668 ppm	448.9306 ppm	3.1896 ppm	0.0297 ppm
Concentration per Run 3	0.0077 ppm	0.0715 ppm	0.1671 ppm	0.2648 ppm	448.6116 ppm	3.1521 ppm	0.0299 ppm
Concentration RSD	2.1 %	1.3 %	0.3 %	0.4 %	0.1 %	0.6 %	2.1 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	15.4391 ppm	9.8055 ppm	0.0084 ppm	0.4739 ppm	0.1055 ppm	0.6859 ppm	-0.0069 ppm
Concentration per Run 1	15.5080 ppm	9.8324 ppm	0.0084 ppm	0.4744 ppm	0.1064 ppm	0.6840 ppm	-0.0070 ppm
Concentration per Run 2	15.4567 ppm	9.7890 ppm	0.0084 ppm	0.4752 ppm	0.1053 ppm	0.6893 ppm	-0.0085 ppm
Concentration per Run 3	15.3527 ppm	9.7951 ppm	0.0083 ppm	0.4722 ppm	0.1049 ppm	0.6844 ppm	-0.0052 ppm
Concentration RSD	0.5 %	0.2 %	1.2 %	0.3 %	0.7 %	0.4 %	24.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	-0.0020 ppm	2.7101 ppm	0.0410 ppm	0.2033 ppm	2.8524 ppm	-0.0038 ppm	0.6581 ppm
Concentration per Run 1	-0.0024 ppm	2.7205 ppm	0.0414 ppm	0.2032 ppm	2.8619 ppm	-0.0029 ppm	0.6596 ppm
Concentration per Run 2	-0.0005 ppm	2.7033 ppm	0.0412 ppm	0.2025 ppm	2.8430 ppm	-0.0041 ppm	0.6581 ppm
Concentration per Run 3	-0.0031 ppm	2.7066 ppm	0.0404 ppm	0.2044 ppm	2.8522 ppm	-0.0046 ppm	0.6566 ppm
Concentration RSD	68.4 %	0.3 %	1.3 %	0.5 %	0.3 %	22.1 %	0.2 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	1.0670 ppm	97.1379 %	98.9310 %	79.5507 %	98.9027 %	102.6297 %	98.8257 %
Concentration per Run 1	1.0693 ppm	97.4181 %	98.4934 %	79.4368 %	99.3226 %	102.1368 %	99.0746 %
Concentration per Run 2	1.0672 ppm	96.6150 %	99.2665 %	79.4901 %	98.3650 %	103.0355 %	98.6799 %
Concentration per Run 3	1.0644 ppm	97.3806 %	99.0331 %	79.7252 %	99.0206 %	102.7169 %	98.7227 %
Concentration RSD	0.2 %	0.5 %	0.4 %	0.2 %	0.5 %	0.4 %	0.2 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: CCV
Analysis started at: 6/30/2025 11:35:52 PM
Rack: 0
Vial: 3
Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.4927 ppm	0.4643 ppm	0.4732 ppm	0.4657 ppm	0.4843 ppm	0.4788 ppm	0.4673 ppm
Concentration per Run 1	0.4940 ppm	0.4681 ppm	0.4726 ppm	0.4678 ppm	0.4901 ppm	0.4856 ppm	0.4719 ppm
Concentration per Run 2	0.4927 ppm	0.4415 ppm	0.4763 ppm	0.4669 ppm	0.4548 ppm	0.4487 ppm	0.4454 ppm
Concentration per Run 3	0.4914 ppm	0.4835 ppm	0.4706 ppm	0.4624 ppm	0.5080 ppm	0.5020 ppm	0.4845 ppm
Recovery Percentage 1	98.538 %	92.869 %	94.635 %	93.138 %	96.866 %	95.754 %	93.451 %
Concentration RSD	0.3 %	4.6 %	0.6 %	0.6 %	5.6 %	5.7 %	4.3 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.4606 ppm	0.4776 ppm	0.4791 ppm	0.4919 ppm	0.4958 ppm	5.0605 ppm	0.5005 ppm
Concentration per Run 1	0.4625 ppm	0.4807 ppm	0.4822 ppm	0.4930 ppm	0.5040 ppm	5.1047 ppm	0.5071 ppm
Concentration per Run 2	0.4607 ppm	0.4758 ppm	0.4799 ppm	0.4908 ppm	0.4644 ppm	4.7589 ppm	0.4692 ppm
Concentration per Run 3	0.4587 ppm	0.4763 ppm	0.4753 ppm	0.4920 ppm	0.5191 ppm	5.3178 ppm	0.5252 ppm
Recovery Percentage 1	92.126 %	95.520 %	95.827 %	98.385 %	99.166 %	101.209 %	100.101 %
Concentration RSD	0.4 %	0.6 %	0.7 %	0.2 %	5.7 %	5.6 %	5.7 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.4803 ppm	0.4798 ppm	0.4620 ppm	9.9340 ppm	0.4887 ppm	0.5025 ppm	0.4798 ppm
Concentration per Run 1	0.4831 ppm	0.4857 ppm	0.4647 ppm	10.0411 ppm	0.4923 ppm	0.5045 ppm	0.4823 ppm
Concentration per Run 2	0.4787 ppm	0.4519 ppm	0.4618 ppm	9.3621 ppm	0.4893 ppm	0.5081 ppm	0.4801 ppm
Concentration per Run 3	0.4792 ppm	0.5018 ppm	0.4595 ppm	10.3987 ppm	0.4844 ppm	0.4949 ppm	0.4768 ppm
Recovery Percentage 1	96.063 %	95.963 %	92.399 %	99.340 %	97.735 %	100.497 %	95.953 %
Concentration RSD	0.5 %	5.3 %	0.6 %	5.3 %	0.8 %	1.4 %	0.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.4772 ppm	5.0494 ppm	0.4712 ppm	0.4817 ppm	0.4775 ppm	0.5082 ppm	0.4849 ppm
Concentration per Run 1	0.4795 ppm	5.0639 ppm	0.4747 ppm	0.4871 ppm	0.4809 ppm	0.5068 ppm	0.4866 ppm
Concentration per Run 2	0.4787 ppm	5.0428 ppm	0.4700 ppm	0.4521 ppm	0.4767 ppm	0.5166 ppm	0.4843 ppm
Concentration per Run 3	0.4733 ppm	5.0416 ppm	0.4688 ppm	0.5060 ppm	0.4748 ppm	0.5012 ppm	0.4838 ppm
Recovery Percentage 1	95.438 %	96.180 %	94.237 %	96.349 %	95.501 %	101.641 %	96.981 %
Concentration RSD	0.7 %	0.2 %	0.7 %	5.7 %	0.7 %	1.5 %	0.3 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4715 ppm	100.7972 %	102.6405 %	97.6475 %	98.0825 %	99.9486 %	99.1039 %
Concentration per Run 1	0.4763 ppm	100.4170 %	100.6866 %	97.8649 %	97.9201 %	98.9536 %	99.3033 %
Concentration per Run 2	0.4714 ppm	100.5928 %	109.3704 %	96.3332 %	97.9915 %	104.3000 %	98.8218 %
Concentration per Run 3	0.4669 ppm	101.3819 %	97.8646 %	98.7445 %	98.3360 %	96.5921 %	99.1866 %
Recovery Percentage 1	94.301 %						
Concentration RSD	1.0 %	0.5 %	5.8 %	1.2 %	0.2 %	4.0 %	0.3 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: CCB
 Analysis started at: 6/30/2025 11:39:06 PM
 Rack: 0
 Vial: 4
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0002 ppm	-0.0012 ppm	-0.0006 ppm	0.0003 ppm	0.0000 ppm	0.0000 ppm	-0.0024 ppm
Concentration per Run 1	0.0003 ppm	-0.0018 ppm	-0.0006 ppm	0.0007 ppm	0.0000 ppm	0.0001 ppm	-0.0031 ppm
Concentration per Run 2	0.0000 ppm	-0.0032 ppm	-0.0004 ppm	0.0001 ppm	0.0001 ppm	0.0000 ppm	-0.0011 ppm
Concentration per Run 3	0.0002 ppm	0.0013 ppm	-0.0008 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	-0.0031 ppm
Recovery Percentage 1	2.407 %	-1.228 %	-12.193 %	0.912 %	0.414 %	0.933 %	-2.407 %
Concentration RSD	113.2 %	188.4 %	32.5 %	144.5 %	84.2 %	40.0 %	48.2 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0000 ppm	-0.0001 ppm	0.0002 ppm	0.0001 ppm	0.0043 ppm	-0.0055 ppm	0.0000 ppm
Concentration per Run 1	0.0000 ppm	0.0000 ppm	0.0002 ppm	0.0003 ppm	0.0047 ppm	0.0043 ppm	0.0000 ppm
Concentration per Run 2	0.0000 ppm	-0.0002 ppm	0.0002 ppm	-0.0001 ppm	0.0033 ppm	-0.0128 ppm	-0.0003 ppm
Concentration per Run 3	0.0000 ppm	0.0000 ppm	0.0001 ppm	0.0001 ppm	0.0047 ppm	-0.0078 ppm	0.0001 ppm
Recovery Percentage 1	0.196 %	-0.348 %	1.711 %	1.092 %	8.541 %	-0.218 %	-0.711 %
Concentration RSD	330.8 %	160.0 %	36.4 %	184.1 %	18.9 %	160.9 %	584.9 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0018 ppm	0.0001 ppm	0.0022 ppm	0.0093 ppm	-0.0001 ppm	-0.0007 ppm	-0.0004 ppm
Concentration per Run 1	0.0019 ppm	0.0002 ppm	0.0024 ppm	0.0101 ppm	0.0000 ppm	-0.0007 ppm	0.0000 ppm
Concentration per Run 2	0.0016 ppm	0.0002 ppm	0.0024 ppm	0.0105 ppm	0.0004 ppm	-0.0004 ppm	-0.0004 ppm
Concentration per Run 3	0.0021 ppm	0.0001 ppm	0.0018 ppm	0.0073 ppm	-0.0005 ppm	-0.0010 ppm	-0.0009 ppm
Recovery Percentage 1	1.846 %	1.301 %	4.414 %	0.467 %	-0.246 %	-7.008 %	-0.849 %
Concentration RSD	15.3 %	52.4 %	17.1 %	18.7 %	722.5 %	40.4 %	109.4 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0010 ppm	-0.0044 ppm	0.0005 ppm	0.0000 ppm	0.0002 ppm	0.0015 ppm	0.0002 ppm
Concentration per Run 1	0.0018 ppm	-0.0041 ppm	0.0003 ppm	0.0000 ppm	0.0004 ppm	0.0013 ppm	0.0001 ppm
Concentration per Run 2	0.0002 ppm	-0.0039 ppm	0.0009 ppm	0.0000 ppm	0.0001 ppm	0.0013 ppm	0.0001 ppm
Concentration per Run 3	0.0011 ppm	-0.0052 ppm	0.0002 ppm	0.0000 ppm	0.0002 ppm	0.0020 ppm	0.0003 ppm
Recovery Percentage 1	10.198 %	-0.880 %	0.984 %	0.167 %	2.377 %	7.536 %	1.530 %
Concentration RSD	78.6 %	15.4 %	73.2 %	250.0 %	60.8 %	27.8 %	72.8 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0006 ppm	101.5264 %	99.8571 %	102.0022 %	101.1998 %	99.8383 %	101.7774 %
Concentration per Run 1	-0.0005 ppm	101.2030 %	100.5596 %	101.7225 %	101.6613 %	100.3565 %	101.7279 %
Concentration per Run 2	-0.0006 ppm	102.1767 %	99.8317 %	101.1303 %	101.3041 %	99.5928 %	101.8868 %
Concentration per Run 3	-0.0007 ppm	101.1995 %	99.1802 %	103.1538 %	100.6339 %	99.5657 %	101.7176 %
Recovery Percentage 1	-11.988 %						
Concentration RSD	13.7 %	0.6 %	0.7 %	1.0 %	0.5 %	0.4 %	0.1 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: CCV
Analysis started at: 6/30/2025 11:42:21 PM
Rack: 0
Vial: 10
Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.4930 ppm	0.4740 ppm	0.4780 ppm	0.4643 ppm	0.4926 ppm	0.4877 ppm	0.4767 ppm
Concentration per Run 1	0.4963 ppm	0.4739 ppm	0.4758 ppm	0.4682 ppm	0.4928 ppm	0.4886 ppm	0.4773 ppm
Concentration per Run 2	0.4963 ppm	0.4743 ppm	0.4790 ppm	0.4669 ppm	0.4920 ppm	0.4881 ppm	0.4824 ppm
Concentration per Run 3	0.4863 ppm	0.4739 ppm	0.4793 ppm	0.4577 ppm	0.4929 ppm	0.4865 ppm	0.4705 ppm
Recovery Percentage 1	98.595 %	94.809 %	95.604 %	92.857 %	98.521 %	97.540 %	95.343 %
Concentration RSD	1.2 %	0.1 %	0.4 %	1.2 %	0.1 %	0.2 %	1.3 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.4654 ppm	0.4801 ppm	0.4791 ppm	0.4937 ppm	0.4959 ppm	5.2173 ppm	0.5095 ppm
Concentration per Run 1	0.4722 ppm	0.4877 ppm	0.4841 ppm	0.4946 ppm	0.4953 ppm	5.1760 ppm	0.5051 ppm
Concentration per Run 2	0.4674 ppm	0.4823 ppm	0.4815 ppm	0.4968 ppm	0.4964 ppm	5.2046 ppm	0.5103 ppm
Concentration per Run 3	0.4567 ppm	0.4705 ppm	0.4716 ppm	0.4895 ppm	0.4962 ppm	5.2712 ppm	0.5130 ppm
Recovery Percentage 1	93.082 %	96.030 %	95.813 %	98.732 %	99.188 %	104.345 %	101.892 %
Concentration RSD	1.7 %	1.8 %	1.4 %	0.8 %	0.1 %	0.9 %	0.8 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.4831 ppm	0.4878 ppm	0.4637 ppm	10.2424 ppm	0.4878 ppm	0.5096 ppm	0.4780 ppm
Concentration per Run 1	0.4875 ppm	0.4869 ppm	0.4681 ppm	10.1467 ppm	0.4925 ppm	0.5101 ppm	0.4789 ppm
Concentration per Run 2	0.4846 ppm	0.4909 ppm	0.4655 ppm	10.3189 ppm	0.4902 ppm	0.5088 ppm	0.4858 ppm
Concentration per Run 3	0.4772 ppm	0.4856 ppm	0.4576 ppm	10.2618 ppm	0.4808 ppm	0.5099 ppm	0.4692 ppm
Recovery Percentage 1	96.615 %	97.560 %	92.746 %	102.424 %	97.567 %	101.923 %	95.596 %
Concentration RSD	1.1 %	0.6 %	1.2 %	0.9 %	1.3 %	0.1 %	1.7 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.4784 ppm	5.0142 ppm	0.4873 ppm	0.4895 ppm	0.4777 ppm	0.5133 ppm	0.4875 ppm
Concentration per Run 1	0.4789 ppm	5.0515 ppm	0.4903 ppm	0.4894 ppm	0.4793 ppm	0.5148 ppm	0.4908 ppm
Concentration per Run 2	0.4798 ppm	5.0529 ppm	0.4915 ppm	0.4872 ppm	0.4808 ppm	0.5137 ppm	0.4891 ppm
Concentration per Run 3	0.4766 ppm	4.9383 ppm	0.4802 ppm	0.4920 ppm	0.4729 ppm	0.5115 ppm	0.4824 ppm
Recovery Percentage 1	95.682 %	95.508 %	97.468 %	97.905 %	95.540 %	102.668 %	97.492 %
Concentration RSD	0.4 %	1.3 %	1.3 %	0.5 %	0.9 %	0.3 %	0.9 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	0.4731 ppm	101.5179 %	101.5683 %	97.4163 %	98.5780 %	99.7235 %	99.2554 %
Concentration per Run 1	0.4792 ppm	100.4054 %	101.6098 %	97.2778 %	97.4745 %	99.6859 %	99.2384 %
Concentration per Run 2	0.4745 ppm	101.2113 %	101.2688 %	97.2790 %	98.8262 %	99.5346 %	99.1410 %
Concentration per Run 3	0.4654 ppm	102.9369 %	101.8264 %	97.6920 %	99.4333 %	99.9502 %	99.3869 %
Recovery Percentage 1	94.612 %						
Concentration RSD	1.5 %	1.3 %	0.3 %	0.2 %	1.0 %	0.2 %	0.1 %

ICP DataTrace 9

7/1/2025 9:32:09 AM



LabBook: WG2085082_06302025T9.imexp

Sample: CCB
 Analysis started at: 6/30/2025 11:45:39 PM
 Rack: 0
 Vial: 4
 Comment: <Comment>

	Ag 328.068 (Axial-IFR)	Al 396.152 (Radial-IFR)	As 189.042 (Axial-eUV)	B 208.959 (Axial-IFR)	Ba 455.403 (Radial-IFR)	Be 313.042 (Radial-IFR)	Ca 315.887 (Radial-IFR)
Concentration average	0.0001 ppm	0.0002 ppm	-0.0003 ppm	0.0003 ppm	0.0000 ppm	0.0000 ppm	-0.0020 ppm
Concentration per Run 1	0.0001 ppm	-0.0001 ppm	0.0000 ppm	0.0011 ppm	0.0000 ppm	0.0000 ppm	-0.0018 ppm
Concentration per Run 2	0.0002 ppm	0.0034 ppm	-0.0012 ppm	-0.0002 ppm	0.0000 ppm	0.0000 ppm	-0.0013 ppm
Concentration per Run 3	0.0000 ppm	-0.0028 ppm	0.0004 ppm	-0.0001 ppm	0.0000 ppm	0.0000 ppm	-0.0029 ppm
Recovery Percentage 1	1.090 %	0.170 %	-5.090 %	0.978 %	0.236 %	0.506 %	-2.011 %
Concentration RSD	143.0 %	1,808.2 %	339.6 %	238.7 %	59.7 %	35.4 %	42.1 %

	Cd 214.438 (Axial-IFR)	Co 228.616 (Axial-IFR)	Cr 267.716 (Axial-IFR)	Cu 324.754 (Axial-IFR)	Fe 259.940 (Radial-IFR)	K 766.490 (Radial-IFR)	Li 670.776 (Radial-IFR)
Concentration average	0.0000 ppm	0.0000 ppm	0.0001 ppm	0.0001 ppm	0.0015 ppm	-0.0059 ppm	-0.0001 ppm
Concentration per Run 1	0.0000 ppm	0.0001 ppm	0.0003 ppm	0.0002 ppm	0.0013 ppm	-0.0028 ppm	0.0001 ppm
Concentration per Run 2	0.0000 ppm	-0.0001 ppm	0.0001 ppm	0.0003 ppm	0.0021 ppm	-0.0027 ppm	-0.0001 ppm
Concentration per Run 3	0.0000 ppm	0.0000 ppm	0.0000 ppm	-0.0001 ppm	0.0011 ppm	-0.0123 ppm	-0.0004 ppm
Recovery Percentage 1	-0.128 %	-0.062 %	1.072 %	1.479 %	3.013 %	-0.237 %	-2.542 %
Concentration RSD	328.3 %	497.9 %	125.6 %	131.0 %	34.2 %	93.4 %	171.9 %

	Mg 279.079 (Axial-IFR)	Mn 257.610 (Radial-IFR)	Mo 202.030 (Axial-IFR)	Na 589.592 (Radial-IFR)	Ni 231.604 (Axial-IFR)	Pb 220.353 (Axial-eUV)	Sb 206.833 (Axial-IFR)
Concentration average	0.0002 ppm	0.0002 ppm	0.0022 ppm	0.0079 ppm	0.0000 ppm	-0.0006 ppm	-0.0010 ppm
Concentration per Run 1	-0.0009 ppm	0.0002 ppm	0.0024 ppm	0.0063 ppm	-0.0003 ppm	-0.0004 ppm	-0.0035 ppm
Concentration per Run 2	0.0016 ppm	0.0001 ppm	0.0020 ppm	0.0089 ppm	-0.0001 ppm	-0.0003 ppm	-0.0018 ppm
Concentration per Run 3	-0.0003 ppm	0.0002 ppm	0.0023 ppm	0.0085 ppm	0.0004 ppm	-0.0010 ppm	0.0023 ppm
Recovery Percentage 1	0.170 %	1.661 %	4.469 %	0.396 %	0.002 %	-6.001 %	-2.006 %
Concentration RSD	771.7 %	21.0 %	7.8 %	17.9 %	85,186.5 %	63.5 %	298.6 %

	Se 196.090 (Axial-eUV)	Si 212.412 (Axial-IFR)	Sn 189.989 (Axial-IFR)	Sr 421.552 (Radial-IFR)	Ti 334.904 (Axial-IFR)	Tl 190.856 (Axial-eUV)	V 292.402 (Axial-IFR)
Concentration average	0.0018 ppm	-0.0051 ppm	0.0004 ppm	0.0000 ppm	0.0001 ppm	0.0006 ppm	0.0001 ppm
Concentration per Run 1	0.0018 ppm	-0.0049 ppm	0.0003 ppm	0.0000 ppm	0.0000 ppm	0.0011 ppm	-0.0001 ppm
Concentration per Run 2	0.0012 ppm	-0.0056 ppm	0.0008 ppm	0.0000 ppm	0.0003 ppm	0.0011 ppm	0.0000 ppm
Concentration per Run 3	0.0024 ppm	-0.0049 ppm	0.0000 ppm	0.0000 ppm	0.0002 ppm	-0.0004 ppm	0.0003 ppm
Recovery Percentage 1	18.340 %	-1.023 %	0.771 %	0.238 %	1.499 %	2.952 %	0.867 %
Concentration RSD	33.8 %	7.9 %	111.3 %	39.8 %	77.2 %	142.1 %	244.6 %

	Zn 206.200 (Axial-IFR)	Sc 361.384 (Axial-IFR)	Sc 361.384 (Radial-IFR)	Sc 227.318 (Axial-eUV)	Y 360.073 (Axial-IFR)	Y 371.030 (Radial-IFR)	Y 224.306 (Axial-eUV)
Concentration average	-0.0006 ppm	101.3543 %	100.6096 %	102.1548 %	100.8318 %	100.1518 %	101.3875 %
Concentration per Run 1	-0.0007 ppm	100.4427 %	100.2729 %	102.0296 %	100.2403 %	99.9876 %	101.9211 %
Concentration per Run 2	-0.0007 ppm	101.1944 %	100.9512 %	102.0635 %	100.8959 %	100.6315 %	100.7420 %
Concentration per Run 3	-0.0005 ppm	102.4257 %	100.6047 %	102.3713 %	101.3591 %	99.8364 %	101.4993 %
Recovery Percentage 1	-12.886 %						
Concentration RSD	14.9 %	1.0 %	0.3 %	0.2 %	0.6 %	0.4 %	0.6 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: Blank DHL Trace5
 Analysis started at: 6/30/2025 5:42:44 AM
 Comments: <Comment>
 Rack: 0
 Vial: 1

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	-0.2 %	-1.9 %	18.5 %	0.2 %	0.4 %	1.2 %	0.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	0.5 %	0.2 %	-0.3 %	0.0 %	-0.4 %	0.7 %	0.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	1.4 %	2.9 %	0.7 %	-1.0 %	-0.2 %	-0.1 %	-4.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	-0.4 %	0.0 %	0.3 %	-0.1 %	-0.1 %	5.4 %	-0.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0000 ppm	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %
Concentration per Run	0.0000 ppm	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %
Concentration RSD	0.1 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: ICAL
 Analysis started at: 6/30/2025 5:49:09 AM
 Comments: <Comment>
 Rack: 0
 Vial: 2

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	1.0000 ppm	25.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	10.0000 ppm
Concentration per Run 1	0.9984 ppm	25.1348 ppm	1.0000 ppm	0.9992 ppm	1.0060 ppm	1.0053 ppm	10.0542 ppm
Concentration per Run 2	0.9986 ppm	24.9767 ppm	1.0006 ppm	1.0039 ppm	0.9992 ppm	0.9989 ppm	9.9912 ppm
Concentration per Run 3	1.0030 ppm	24.8884 ppm	0.9993 ppm	0.9969 ppm	0.9948 ppm	0.9958 ppm	9.9546 ppm
Concentration RSD	0.3 %	0.5 %	0.1 %	0.4 %	0.6 %	0.5 %	0.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	25.0000 ppm	35.0000 ppm	1.0000 ppm
Concentration per Run 1	0.9986 ppm	0.9992 ppm	1.0030 ppm	1.0008 ppm	25.1150 ppm	35.2343 ppm	1.0058 ppm
Concentration per Run 2	1.0010 ppm	1.0029 ppm	0.9974 ppm	0.9989 ppm	24.9747 ppm	34.9468 ppm	0.9990 ppm
Concentration per Run 3	1.0004 ppm	0.9980 ppm	0.9996 ppm	1.0004 ppm	24.9103 ppm	34.8189 ppm	0.9952 ppm
Concentration RSD	0.1 %	0.3 %	0.3 %	0.1 %	0.4 %	0.6 %	0.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	10.0000 ppm	1.0000 ppm	1.0000 ppm	25.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm
Concentration per Run 1	9.9877 ppm	1.0052 ppm	0.9990 ppm	25.1485 ppm	1.0002 ppm	0.9995 ppm	1.0001 ppm
Concentration per Run 2	10.0038 ppm	0.9979 ppm	1.0022 ppm	24.9776 ppm	1.0014 ppm	1.0025 ppm	1.0016 ppm
Concentration per Run 3	10.0086 ppm	0.9969 ppm	0.9988 ppm	24.8738 ppm	0.9984 ppm	0.9980 ppm	0.9983 ppm
Concentration RSD	0.1 %	0.5 %	0.2 %	0.6 %	0.2 %	0.2 %	0.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	1.0000 ppm	10.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm
Concentration per Run 1	0.9992 ppm	10.0197 ppm	1.0001 ppm	1.0065 ppm	1.0004 ppm	1.0024 ppm	1.0012 ppm
Concentration per Run 2	1.0044 ppm	10.0315 ppm	1.0022 ppm	0.9990 ppm	0.9996 ppm	1.0023 ppm	0.9989 ppm
Concentration per Run 3	0.9964 ppm	9.9488 ppm	0.9977 ppm	0.9944 ppm	1.0000 ppm	0.9953 ppm	0.9999 ppm
Concentration RSD	0.4 %	0.4 %	0.2 %	0.6 %	0.0 %	0.4 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	1.0000 ppm	98.0403 %	96.3880 %	97.6106 %	100.7836 %	95.8333 %	98.3070 %
Concentration per Run 1	0.9985 ppm	97.6594 %	96.2509 %	97.6945 %	100.2659 %	95.8648 %	98.3495 %
Concentration per Run 2	1.0005 ppm	97.8138 %	96.5292 %	97.6307 %	100.8727 %	95.6121 %	98.3517 %
Concentration per Run 3	1.0009 ppm	98.6479 %	96.3838 %	97.5065 %	101.2122 %	96.0229 %	98.2199 %
Concentration RSD	0.1 %	0.5 %	0.1 %	0.1 %	0.5 %	0.2 %	0.1 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: ICV
Analysis started at: 6/30/2025 5:55:55 AM
Comments: <Comment>
Rack: 0
Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.5041 ppm	0.4749 ppm	0.4782 ppm	0.4846 ppm	0.4858 ppm	0.4967 ppm	0.5028 ppm
Concentration per Run 1	0.5054 ppm	0.4751 ppm	0.4782 ppm	0.4841 ppm	0.4866 ppm	0.4969 ppm	0.5074 ppm
Concentration per Run 2	0.5039 ppm	0.4777 ppm	0.4790 ppm	0.4855 ppm	0.4859 ppm	0.4963 ppm	0.4965 ppm
Concentration per Run 3	0.5031 ppm	0.4720 ppm	0.4775 ppm	0.4843 ppm	0.4851 ppm	0.4970 ppm	0.5045 ppm
Recovery Percentage 1	100.824 %	94.988 %	95.641 %	96.922 %	97.170 %	99.344 %	100.567 %
Concentration RSD	0.2 %	0.6 %	0.2 %	0.2 %	0.2 %	0.1 %	1.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4929 ppm	0.4997 ppm	0.5054 ppm	0.5011 ppm	0.5071 ppm	5.0339 ppm	0.4851 ppm
Concentration per Run 1	0.4923 ppm	0.4990 ppm	0.5047 ppm	0.5026 ppm	0.5074 ppm	5.0611 ppm	0.4873 ppm
Concentration per Run 2	0.4941 ppm	0.5006 ppm	0.5064 ppm	0.5002 ppm	0.5065 ppm	5.0103 ppm	0.4837 ppm
Concentration per Run 3	0.4922 ppm	0.4995 ppm	0.5050 ppm	0.5004 ppm	0.5074 ppm	5.0304 ppm	0.4842 ppm
Recovery Percentage 1	98.576 %	99.942 %	101.071 %	100.212 %	101.412 %	100.678 %	97.012 %
Concentration RSD	0.2 %	0.2 %	0.2 %	0.3 %	0.1 %	0.5 %	0.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5091 ppm	0.5044 ppm	0.4866 ppm	9.7286 ppm	0.5032 ppm	0.5042 ppm	0.4977 ppm
Concentration per Run 1	0.5118 ppm	0.5061 ppm	0.4855 ppm	9.7377 ppm	0.5034 ppm	0.5035 ppm	0.4962 ppm
Concentration per Run 2	0.5077 ppm	0.5026 ppm	0.4879 ppm	9.7062 ppm	0.5041 ppm	0.5045 ppm	0.4990 ppm
Concentration per Run 3	0.5079 ppm	0.5045 ppm	0.4864 ppm	9.7417 ppm	0.5020 ppm	0.5046 ppm	0.4979 ppm
Recovery Percentage 1	101.823 %	100.884 %	97.320 %	97.286 %	100.631 %	100.841 %	99.538 %
Concentration RSD	0.5 %	0.3 %	0.3 %	0.2 %	0.2 %	0.1 %	0.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4873 ppm	5.4153 ppm	0.5006 ppm	0.4828 ppm	0.4977 ppm	0.5095 ppm	0.5037 ppm
Concentration per Run 1	0.4869 ppm	5.4097 ppm	0.4990 ppm	0.4837 ppm	0.4976 ppm	0.5083 ppm	0.5028 ppm
Concentration per Run 2	0.4881 ppm	5.4274 ppm	0.5020 ppm	0.4821 ppm	0.4974 ppm	0.5085 ppm	0.5040 ppm
Concentration per Run 3	0.4869 ppm	5.4087 ppm	0.5009 ppm	0.4826 ppm	0.4981 ppm	0.5117 ppm	0.5042 ppm
Recovery Percentage 1	97.462 %	103.148 %	100.122 %	96.558 %	99.538 %	101.903 %	100.736 %
Concentration RSD	0.1 %	0.2 %	0.3 %	0.2 %	0.1 %	0.4 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4979 ppm	99.6810 %	98.8633 %	99.4300 %	102.1003 %	99.5889 %	100.5937 %
Concentration per Run 1	0.4972 ppm	98.7123 %	99.0072 %	99.2960 %	101.3338 %	99.7341 %	100.7151 %
Concentration per Run 2	0.4986 ppm	100.0866 %	98.7473 %	99.4581 %	102.6970 %	99.3309 %	100.6092 %
Concentration per Run 3	0.4981 ppm	100.2439 %	98.8353 %	99.5359 %	102.2702 %	99.7017 %	100.4566 %
Recovery Percentage 1	99.588 %						
Concentration RSD	0.1 %	0.8 %	0.1 %	0.1 %	0.7 %	0.2 %	0.1 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: ICB
Analysis started at: 6/30/2025 6:02:01 AM
Comments: <Comment>
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	-0.0060 ppm	0.0016 ppm	0.0009 ppm	-0.0001 ppm	0.0000 ppm	0.0023 ppm
Concentration per Run 1	0.0001 ppm	0.0008 ppm	0.0013 ppm	0.0011 ppm	-0.0001 ppm	0.0000 ppm	0.0012 ppm
Concentration per Run 2	0.0000 ppm	-0.0114 ppm	0.0011 ppm	0.0011 ppm	0.0000 ppm	0.0000 ppm	0.0036 ppm
Concentration per Run 3	0.0001 ppm	-0.0075 ppm	0.0026 ppm	0.0006 ppm	0.0000 ppm	0.0000 ppm	0.0021 ppm
Recovery Percentage 1	0.635 %	-6.025 %	32.989 %	3.104 %	-0.600 %	0.379 %	2.314 %
Concentration RSD	109.8 %	103.5 %	50.0 %	33.6 %	77.6 %	143.7 %	53.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0001 ppm	-0.0001 ppm	-0.0004 ppm	0.0041 ppm	-0.0005 ppm
Concentration per Run 1	0.0000 ppm	0.0001 ppm	0.0001 ppm	-0.0001 ppm	-0.0009 ppm	0.0012 ppm	-0.0011 ppm
Concentration per Run 2	0.0000 ppm	0.0001 ppm	0.0003 ppm	0.0000 ppm	0.0001 ppm	0.0079 ppm	0.0000 ppm
Concentration per Run 3	0.0000 ppm	-0.0001 ppm	-0.0001 ppm	-0.0001 ppm	-0.0003 ppm	0.0033 ppm	-0.0003 ppm
Recovery Percentage 1	0.184 %	0.189 %	0.983 %	-0.834 %	-0.779 %	0.165 %	-5.011 %
Concentration RSD	456.6 %	265.2 %	183.2 %	102.8 %	132.3 %	82.6 %	114.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0004 ppm	0.0000 ppm	0.0019 ppm	-0.0015 ppm	0.0000 ppm	0.0001 ppm	-0.0001 ppm
Concentration per Run 1	0.0027 ppm	-0.0001 ppm	0.0022 ppm	-0.0055 ppm	0.0000 ppm	0.0007 ppm	0.0003 ppm
Concentration per Run 2	0.0002 ppm	0.0000 ppm	0.0018 ppm	0.0037 ppm	-0.0001 ppm	0.0003 ppm	0.0006 ppm
Concentration per Run 3	-0.0017 ppm	0.0001 ppm	0.0017 ppm	-0.0026 ppm	0.0001 ppm	-0.0007 ppm	-0.0012 ppm
Recovery Percentage 1	0.413 %	-0.073 %	3.781 %	-0.073 %	-0.062 %	1.259 %	-0.177 %
Concentration RSD	542.1 %	1,289.2 %	15.7 %	319.0 %	564.5 %	565.8 %	1,088.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0024 ppm	-0.0012 ppm	0.0000 ppm	0.0000 ppm	0.0001 ppm	-0.0007 ppm	0.0001 ppm
Concentration per Run 1	0.0048 ppm	-0.0018 ppm	-0.0003 ppm	0.0000 ppm	0.0002 ppm	-0.0007 ppm	0.0001 ppm
Concentration per Run 2	0.0025 ppm	-0.0012 ppm	0.0003 ppm	0.0000 ppm	0.0000 ppm	0.0004 ppm	0.0003 ppm
Concentration per Run 3	0.0000 ppm	-0.0005 ppm	0.0001 ppm	0.0000 ppm	0.0002 ppm	-0.0018 ppm	0.0000 ppm
Recovery Percentage 1	24.192 %	-0.240 %	0.082 %	-0.033 %	1.443 %	-3.502 %	1.283 %
Concentration RSD	100.5 %	53.2 %	694.6 %	282.7 %	86.1 %	156.8 %	99.9 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	-0.0001 ppm	101.1658 %	99.9857 %	100.4251 %	102.8112 %	101.0725 %	100.6324 %
Concentration per Run 1	-0.0001 ppm	101.8897 %	99.7195 %	100.5095 %	103.3929 %	100.9633 %	100.5192 %
Concentration per Run 2	-0.0001 ppm	100.9648 %	100.2991 %	100.2289 %	102.4520 %	100.9718 %	100.9140 %
Concentration per Run 3	-0.0001 ppm	100.6428 %	99.9384 %	100.5369 %	102.5888 %	101.2825 %	100.4641 %
Recovery Percentage 1	-2.465 %						
Concentration RSD	10.7 %	0.6 %	0.3 %	0.2 %	0.5 %	0.2 %	0.2 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: ICV
Analysis started at: 6/30/2025 6:08:27 AM
Comments: <Comment>
Rack: 0
Vial: 10

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.5101 ppm	0.4838 ppm	0.4744 ppm	0.4857 ppm	0.4880 ppm	0.4913 ppm	0.5004 ppm
Concentration per Run 1	0.5106 ppm	0.4772 ppm	0.4760 ppm	0.4850 ppm	0.4912 ppm	0.4949 ppm	0.5015 ppm
Concentration per Run 2	0.5106 ppm	0.4880 ppm	0.4737 ppm	0.4861 ppm	0.4875 ppm	0.4903 ppm	0.5053 ppm
Concentration per Run 3	0.5092 ppm	0.4861 ppm	0.4736 ppm	0.4861 ppm	0.4855 ppm	0.4886 ppm	0.4945 ppm
Recovery Percentage 1	102.026 %	96.750 %	94.885 %	97.146 %	97.606 %	98.254 %	100.082 %
Concentration RSD	0.2 %	1.2 %	0.3 %	0.1 %	0.6 %	0.7 %	1.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4901 ppm	0.4971 ppm	0.5031 ppm	0.4981 ppm	0.5006 ppm	5.0541 ppm	0.4891 ppm
Concentration per Run 1	0.4894 ppm	0.4965 ppm	0.5030 ppm	0.4983 ppm	0.5026 ppm	5.0984 ppm	0.4929 ppm
Concentration per Run 2	0.4911 ppm	0.4977 ppm	0.5030 ppm	0.4975 ppm	0.4999 ppm	5.0405 ppm	0.4877 ppm
Concentration per Run 3	0.4898 ppm	0.4971 ppm	0.5032 ppm	0.4986 ppm	0.4994 ppm	5.0235 ppm	0.4868 ppm
Recovery Percentage 1	98.022 %	99.420 %	100.614 %	99.624 %	100.124 %	101.082 %	97.828 %
Concentration RSD	0.2 %	0.1 %	0.0 %	0.1 %	0.3 %	0.8 %	0.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5091 ppm	0.5002 ppm	0.4820 ppm	9.8111 ppm	0.5007 ppm	0.5012 ppm	0.4945 ppm
Concentration per Run 1	0.5113 ppm	0.5033 ppm	0.4805 ppm	9.8946 ppm	0.4997 ppm	0.4997 ppm	0.4929 ppm
Concentration per Run 2	0.5085 ppm	0.4998 ppm	0.4827 ppm	9.7874 ppm	0.5013 ppm	0.5009 ppm	0.4955 ppm
Concentration per Run 3	0.5076 ppm	0.4974 ppm	0.4829 ppm	9.7513 ppm	0.5010 ppm	0.5031 ppm	0.4952 ppm
Recovery Percentage 1	101.824 %	100.030 %	96.404 %	98.111 %	100.131 %	100.243 %	98.902 %
Concentration RSD	0.4 %	0.6 %	0.3 %	0.8 %	0.2 %	0.4 %	0.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4819 ppm	5.3362 ppm	0.4953 ppm	0.4839 ppm	0.4934 ppm	0.5071 ppm	0.5006 ppm
Concentration per Run 1	0.4794 ppm	5.3310 ppm	0.4936 ppm	0.4871 ppm	0.4928 ppm	0.5076 ppm	0.4993 ppm
Concentration per Run 2	0.4824 ppm	5.3422 ppm	0.4957 ppm	0.4829 ppm	0.4936 ppm	0.5080 ppm	0.5005 ppm
Concentration per Run 3	0.4838 ppm	5.3356 ppm	0.4964 ppm	0.4816 ppm	0.4937 ppm	0.5058 ppm	0.5019 ppm
Recovery Percentage 1	96.382 %	101.642 %	99.050 %	96.775 %	98.672 %	101.423 %	100.111 %
Concentration RSD	0.5 %	0.1 %	0.3 %	0.6 %	0.1 %	0.2 %	0.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4950 ppm	99.6907 %	98.4880 %	99.2474 %	102.1718 %	99.5532 %	100.1549 %
Concentration per Run 1	0.4941 ppm	98.7828 %	98.5601 %	99.1658 %	101.1786 %	99.6195 %	99.9591 %
Concentration per Run 2	0.4958 ppm	99.7737 %	98.6460 %	99.1060 %	102.3600 %	99.3368 %	100.2618 %
Concentration per Run 3	0.4950 ppm	100.5156 %	98.2579 %	99.4704 %	102.9769 %	99.7033 %	100.2439 %
Recovery Percentage 1	98.998 %						
Concentration RSD	0.2 %	0.9 %	0.2 %	0.2 %	0.9 %	0.2 %	0.2 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: ICB
Analysis started at: 6/30/2025 6:14:38 AM
Comments: <Comment>
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	-0.0037 ppm	0.0007 ppm	0.0010 ppm	-0.0001 ppm	0.0000 ppm	0.0024 ppm
Concentration per Run 1	0.0005 ppm	-0.0071 ppm	0.0019 ppm	0.0009 ppm	-0.0001 ppm	0.0000 ppm	0.0038 ppm
Concentration per Run 2	0.0002 ppm	-0.0063 ppm	-0.0004 ppm	0.0012 ppm	0.0000 ppm	0.0000 ppm	0.0028 ppm
Concentration per Run 3	-0.0002 ppm	0.0022 ppm	0.0006 ppm	0.0010 ppm	-0.0002 ppm	0.0000 ppm	0.0005 ppm
Recovery Percentage 1	2.221 %	-3.739 %	13.781 %	3.444 %	-0.849 %	-0.220 %	2.357 %
Concentration RSD	220.2 %	137.5 %	169.3 %	18.1 %	104.9 %	101.7 %	71.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	-0.0001 ppm	-0.0002 ppm	-0.0010 ppm	-0.0005 ppm	0.0005 ppm
Concentration per Run 1	0.0000 ppm	0.0001 ppm	-0.0001 ppm	-0.0001 ppm	-0.0007 ppm	0.0126 ppm	0.0011 ppm
Concentration per Run 2	0.0000 ppm	0.0000 ppm	-0.0002 ppm	-0.0002 ppm	-0.0009 ppm	-0.0105 ppm	-0.0001 ppm
Concentration per Run 3	0.0000 ppm	-0.0001 ppm	-0.0001 ppm	-0.0002 ppm	-0.0014 ppm	-0.0037 ppm	0.0005 ppm
Recovery Percentage 1	-0.411 %	-0.075 %	-0.994 %	-1.781 %	-1.932 %	-0.022 %	5.072 %
Concentration RSD	197.3 %	425.9 %	47.6 %	36.7 %	36.9 %	2,164.7 %	123.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0006 ppm	0.0001 ppm	0.0018 ppm	0.0001 ppm	0.0002 ppm	0.0006 ppm	0.0021 ppm
Concentration per Run 1	0.0004 ppm	0.0002 ppm	0.0020 ppm	0.0042 ppm	0.0001 ppm	0.0004 ppm	0.0028 ppm
Concentration per Run 2	0.0007 ppm	0.0000 ppm	0.0018 ppm	-0.0026 ppm	0.0003 ppm	0.0007 ppm	0.0019 ppm
Concentration per Run 3	0.0008 ppm	0.0002 ppm	0.0016 ppm	-0.0014 ppm	0.0002 ppm	0.0007 ppm	0.0017 ppm
Recovery Percentage 1	0.632 %	1.428 %	3.589 %	0.003 %	0.882 %	5.622 %	4.226 %
Concentration RSD	33.4 %	92.9 %	13.3 %	6,417.9 %	51.4 %	31.0 %	27.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0022 ppm	-0.0026 ppm	0.0004 ppm	0.0000 ppm	0.0004 ppm	-0.0018 ppm	0.0001 ppm
Concentration per Run 1	0.0005 ppm	-0.0029 ppm	0.0006 ppm	0.0000 ppm	0.0005 ppm	-0.0022 ppm	0.0001 ppm
Concentration per Run 2	0.0023 ppm	-0.0022 ppm	0.0003 ppm	0.0000 ppm	0.0005 ppm	-0.0015 ppm	0.0001 ppm
Concentration per Run 3	0.0037 ppm	-0.0026 ppm	0.0003 ppm	0.0000 ppm	0.0001 ppm	-0.0016 ppm	0.0000 ppm
Recovery Percentage 1	21.765 %	-0.510 %	0.798 %	0.112 %	3.552 %	-8.844 %	0.925 %
Concentration RSD	73.0 %	14.2 %	44.3 %	456.0 %	63.5 %	22.9 %	55.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	-0.0001 ppm	101.3992 %	99.9326 %	100.4353 %	102.0151 %	101.3086 %	100.4672 %
Concentration per Run 1	-0.0001 ppm	101.1747 %	99.8238 %	100.4306 %	102.1908 %	101.3303 %	100.2712 %
Concentration per Run 2	-0.0002 ppm	101.7891 %	100.0162 %	100.7371 %	102.3311 %	101.3977 %	100.4336 %
Concentration per Run 3	-0.0001 ppm	101.2337 %	99.9579 %	100.1381 %	101.5234 %	101.1977 %	100.6968 %
Recovery Percentage 1	-2.706 %						
Concentration RSD	35.5 %	0.3 %	0.1 %	0.3 %	0.4 %	0.1 %	0.2 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: LLOQ RL
 Analysis started at: 6/30/2025 6:21:04 AM
 Comments: <Comment>
 Rack: 0
 Vial: 5

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0054 ppm	0.0984 ppm	0.0054 ppm	0.0302 ppm	0.0099 ppm	0.0051 ppm	0.1123 ppm
Concentration per Run 1	0.0055 ppm	0.0991 ppm	0.0040 ppm	0.0306 ppm	0.0098 ppm	0.0050 ppm	0.1102 ppm
Concentration per Run 2	0.0052 ppm	0.0990 ppm	0.0059 ppm	0.0302 ppm	0.0099 ppm	0.0051 ppm	0.1113 ppm
Concentration per Run 3	0.0054 ppm	0.0970 ppm	0.0062 ppm	0.0300 ppm	0.0101 ppm	0.0051 ppm	0.1153 ppm
Recovery Percentage 1	107.215 %	98.369 %	107.023 %	100.820 %	99.295 %	101.351 %	112.268 %
Concentration RSD	2.4 %	1.2 %	22.0 %	1.0 %	1.7 %	0.5 %	2.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0040 ppm	0.0102 ppm	0.0103 ppm	0.0101 ppm	0.0539 ppm	2.5246 ppm	0.0106 ppm
Concentration per Run 1	0.0040 ppm	0.0102 ppm	0.0100 ppm	0.0103 ppm	0.0528 ppm	2.5045 ppm	0.0109 ppm
Concentration per Run 2	0.0040 ppm	0.0103 ppm	0.0106 ppm	0.0100 ppm	0.0543 ppm	2.5199 ppm	0.0103 ppm
Concentration per Run 3	0.0041 ppm	0.0102 ppm	0.0103 ppm	0.0101 ppm	0.0547 ppm	2.5493 ppm	0.0108 ppm
Recovery Percentage 1	101.111 %	102.000 %	103.250 %	101.229 %	107.806 %	100.982 %	106.416 %
Concentration RSD	0.8 %	0.6 %	2.9 %	1.4 %	1.9 %	0.9 %	3.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.1065 ppm	0.0100 ppm	0.0493 ppm	1.9490 ppm	0.0200 ppm	0.0103 ppm	0.0509 ppm
Concentration per Run 1	0.1059 ppm	0.0096 ppm	0.0492 ppm	1.9375 ppm	0.0202 ppm	0.0102 ppm	0.0508 ppm
Concentration per Run 2	0.1062 ppm	0.0101 ppm	0.0494 ppm	1.9487 ppm	0.0198 ppm	0.0103 ppm	0.0503 ppm
Concentration per Run 3	0.1074 ppm	0.0103 ppm	0.0492 ppm	1.9607 ppm	0.0200 ppm	0.0103 ppm	0.0516 ppm
Recovery Percentage 1	106.491 %	100.039 %	98.542 %	97.448 %	99.949 %	102.733 %	101.833 %
Concentration RSD	0.8 %	3.3 %	0.2 %	0.6 %	0.9 %	1.0 %	1.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0098 ppm	0.5156 ppm	0.0504 ppm	0.0099 ppm	0.0102 ppm	0.0195 ppm	0.0102 ppm
Concentration per Run 1	0.0091 ppm	0.5166 ppm	0.0502 ppm	0.0098 ppm	0.0102 ppm	0.0189 ppm	0.0103 ppm
Concentration per Run 2	0.0096 ppm	0.5153 ppm	0.0508 ppm	0.0099 ppm	0.0100 ppm	0.0208 ppm	0.0101 ppm
Concentration per Run 3	0.0107 ppm	0.5149 ppm	0.0501 ppm	0.0100 ppm	0.0102 ppm	0.0189 ppm	0.0102 ppm
Recovery Percentage 1	98.275 %	103.116 %	100.752 %	98.912 %	101.621 %	97.743 %	101.749 %
Concentration RSD	8.2 %	0.2 %	0.7 %	0.8 %	1.0 %	5.5 %	1.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0054 ppm	100.8473 %	99.0803 %	99.4867 %	103.0909 %	100.5041 %	100.7237 %
Concentration per Run 1	0.0055 ppm	101.2883 %	98.9724 %	99.2867 %	103.8588 %	100.2702 %	100.7947 %
Concentration per Run 2	0.0054 ppm	100.8311 %	98.9939 %	99.5928 %	103.1311 %	100.5175 %	100.7051 %
Concentration per Run 3	0.0055 ppm	100.4225 %	99.2746 %	99.5806 %	102.2829 %	100.7245 %	100.6713 %
Recovery Percentage 1	108.965 %						
Concentration RSD	0.7 %	0.4 %	0.2 %	0.2 %	0.8 %	0.2 %	0.1 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: ICSA
Analysis started at: 6/30/2025 6:27:30 AM
Comments: <Comment>
Rack: 0
Vial: 6

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0013 ppm	507.8921 [SIC 500]	-0.0003 ppm	0.0047 ppm	0.0019 ppm	-0.0001 ppm	469.7909 ppm
Concentration per Run 1	-0.0011 ppm	510.8563 ppm	-0.0027 ppm	0.0053 ppm	0.0019 ppm	-0.0001 ppm	479.0156 ppm
Concentration per Run 2	-0.0011 ppm	505.1251 ppm	0.0018 ppm	0.0040 ppm	0.0019 ppm	0.0000 ppm	463.8947 ppm
Concentration per Run 3	-0.0017 ppm	507.6949 ppm	-0.0002 ppm	0.0046 ppm	0.0019 ppm	-0.0001 ppm	466.4623 ppm
Recovery Percentage 1	-18.255 %	507,892.133 %	-6.647 %	15.561 %	18.929 %	-1.518 %	469,790.869 %
Concentration RSD	28.1 %	0.6 %	674.7 %	14.0 %	1.2 %	60.1 %	1.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0075 ppm	0.0003 ppm	0.0016 ppm	0.0047 ppm	183.1075 ppm	0.0867 ppm	0.0002 ppm
Concentration per Run 1	-0.0076 ppm	0.0003 ppm	0.0015 ppm	0.0043 ppm	184.0771 ppm	0.0772 ppm	0.0013 ppm
Concentration per Run 2	-0.0075 ppm	0.0004 ppm	0.0016 ppm	0.0049 ppm	182.4287 ppm	0.0940 ppm	-0.0011 ppm
Concentration per Run 3	-0.0074 ppm	0.0004 ppm	0.0016 ppm	0.0048 ppm	182.8167 ppm	0.0890 ppm	0.0004 ppm
Recovery Percentage 1	-187.157 %	1.712 %	15.785 %	46.586 %	366,214.982 %	3.469 %	2.118 %
Concentration RSD	1.4 %	21.5 %	5.7 %	6.5 %	0.5 %	9.9 %	563.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	479.7433 ppm	-0.0003 ppm	0.0000 ppm	0.0436 ppm	-0.0020 ppm	-0.0142 ppm	0.0063 ppm
Concentration per Run 1	479.9326 ppm	0.0000 ppm	0.0002 ppm	0.0513 ppm	-0.0017 ppm	-0.0139 ppm	0.0086 ppm
Concentration per Run 2	479.7415 ppm	-0.0006 ppm	-0.0004 ppm	0.0392 ppm	-0.0019 ppm	-0.0151 ppm	0.0060 ppm
Concentration per Run 3	479.5558 ppm	-0.0002 ppm	0.0002 ppm	0.0402 ppm	-0.0023 ppm	-0.0137 ppm	0.0042 ppm
Recovery Percentage 1	479,743.321 %	-2.877 %	0.039 %	2.179 %	-7.964 %	-142.457 %	12.529 %
Concentration RSD	0.0 %	111.6 %	1,755.1 %	15.4 %	16.8 %	5.1 %	35.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0055 ppm	-0.0055 ppm	0.0013 ppm	0.0054 ppm	-0.0023 ppm	0.0015 ppm	-0.0011 ppm
Concentration per Run 1	0.0033 ppm	-0.0050 ppm	0.0030 ppm	0.0055 ppm	-0.0023 ppm	0.0044 ppm	-0.0011 ppm
Concentration per Run 2	0.0046 ppm	-0.0059 ppm	0.0002 ppm	0.0053 ppm	-0.0021 ppm	-0.0006 ppm	-0.0010 ppm
Concentration per Run 3	0.0087 ppm	-0.0055 ppm	0.0008 ppm	0.0053 ppm	-0.0025 ppm	0.0006 ppm	-0.0014 ppm
Recovery Percentage 1	55.462 %	-1.092 %	2.644 %	53.919 %	-22.783 %	7.250 %	-11.376 %
Concentration RSD	50.7 %	8.7 %	112.3 %	1.6 %	7.7 %	178.6 %	19.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0027 ppm	93.3581 %	85.6436 %	86.9967 %	95.0387 %	76.0896 %	86.8945 %
Concentration per Run 1	0.0027 ppm	92.3862 %	85.4839 %	86.8659 %	93.9553 %	75.9353 %	86.7464 %
Concentration per Run 2	0.0028 ppm	93.8496 %	85.6391 %	87.0329 %	95.9089 %	75.8914 %	86.7944 %
Concentration per Run 3	0.0027 ppm	93.8384 %	85.8078 %	87.0915 %	95.2517 %	76.4420 %	87.1427 %
Recovery Percentage 1	54.582 %						
Concentration RSD	2.5 %	0.9 %	0.2 %	0.1 %	1.0 %	0.4 %	0.2 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: SIC Multi
Analysis started at: 6/30/2025 6:34:16 AM
Comments: <Comment>
Rack: 0
Vial: 7

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0171 ppm	-0.0090 ppm	0.0014 ppm	0.0001 ppm	-0.0044 ppm	0.0185 ppm
Concentration per Run 1	-0.0002 ppm	0.0204 ppm	-0.0105 ppm	0.0012 ppm	0.0001 ppm	-0.0043 ppm	0.0156 ppm
Concentration per Run 2	0.0001 ppm	0.0120 ppm	-0.0089 ppm	0.0015 ppm	0.0001 ppm	-0.0044 ppm	0.0196 ppm
Concentration per Run 3	0.0002 ppm	0.0189 ppm	-0.0076 ppm	0.0014 ppm	0.0000 ppm	-0.0045 ppm	0.0204 ppm
Recovery Percentage 1	0.389 %	17.095 %	-179.933 %	4.646 %	0.900 %	-88.517 %	18.498 %
Concentration RSD	740.0 %	26.1 %	16.0 %	11.0 %	84.4 %	2.1 %	13.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0005 ppm	-0.0063 ppm	20.4039 ppm	-0.0036 ppm	-0.0090 ppm	-0.0061 ppm	0.0001 ppm
Concentration per Run 1	0.0005 ppm	-0.0066 ppm	20.3938 ppm	-0.0033 ppm	-0.0097 ppm	-0.0082 ppm	-0.0004 ppm
Concentration per Run 2	0.0005 ppm	-0.0060 ppm	20.4184 ppm	-0.0042 ppm	-0.0078 ppm	0.0016 ppm	-0.0001 ppm
Concentration per Run 3	0.0006 ppm	-0.0063 ppm	20.3996 ppm	-0.0034 ppm	-0.0096 ppm	-0.0117 ppm	0.0009 ppm
Recovery Percentage 1	13.572 %	-31.537 %	204,039.497 %	-36.288 %	-18.004 %	-0.244 %	1.340 %
Concentration RSD	1.5 %	4.7 %	0.1 %	13.9 %	12.0 %	112.5 %	504.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0529 ppm	19.7137 ppm	0.0052 ppm	0.0028 ppm	0.0002 ppm	0.0027 ppm	-0.0701 ppm
Concentration per Run 1	0.0557 ppm	19.7041 ppm	0.0053 ppm	0.0056 ppm	0.0002 ppm	0.0038 ppm	-0.0723 ppm
Concentration per Run 2	0.0513 ppm	19.7257 ppm	0.0053 ppm	-0.0017 ppm	0.0001 ppm	0.0022 ppm	-0.0675 ppm
Concentration per Run 3	0.0518 ppm	19.7114 ppm	0.0051 ppm	0.0044 ppm	0.0003 ppm	0.0021 ppm	-0.0706 ppm
Recovery Percentage 1	52.923 %	197,137.486 %	10.425 %	0.139 %	0.808 %	26.978 %	-140.293 %
Concentration RSD	4.6 %	0.1 %	1.8 %	141.4 %	50.9 %	35.5 %	3.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0067 ppm	0.0900 ppm	-0.0003 ppm	0.0002 ppm	19.9306 ppm	-0.0349 ppm	10.2529 [SIC 10]
Concentration per Run 1	-0.0084 ppm	0.0937 ppm	-0.0004 ppm	0.0002 ppm	19.9587 ppm	-0.0365 ppm	10.2527 ppm
Concentration per Run 2	-0.0064 ppm	0.0920 ppm	-0.0002 ppm	0.0002 ppm	19.8597 ppm	-0.0346 ppm	10.2059 ppm
Concentration per Run 3	-0.0053 ppm	0.0844 ppm	-0.0004 ppm	0.0002 ppm	19.9735 ppm	-0.0337 ppm	10.3001 ppm
Recovery Percentage 1	-67.022 %	18.004 %	-0.621 %	2.349 %	199,306.440 %	-174.704 %	102,528.898 %
Concentration RSD	23.3 %	5.5 %	44.5 %	3.6 %	0.3 %	4.0 %	0.5 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	-0.0036 ppm	101.9726 %	98.9567 %	100.2123 %	104.0610 %	99.7772 %	100.3765 %
Concentration per Run 1	-0.0035 ppm	103.5681 %	99.1370 %	100.0903 %	105.3181 %	99.4795 %	100.4869 %
Concentration per Run 2	-0.0038 ppm	101.5719 %	98.8717 %	100.3028 %	103.4282 %	99.9392 %	100.1997 %
Concentration per Run 3	-0.0035 ppm	100.7778 %	98.8615 %	100.2438 %	103.4365 %	99.9129 %	100.4429 %
Recovery Percentage 1	-72.391 %						
Concentration RSD	5.5 %	1.4 %	0.2 %	0.1 %	1.0 %	0.3 %	0.2 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: LDR Check
Analysis started at: 6/30/2025 6:41:12 AM
Comments: <Comment>
Rack: 0
Vial: 8

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0011 ppm	0.0216 ppm	5.4967 ppm	5.0501 [SIC 20]	9.8254 ppm	0.0006 ppm	0.0248 ppm
Concentration per Run 1	0.0006 ppm	0.0152 ppm	5.4890 ppm	5.0414 ppm	9.8198 ppm	0.0006 ppm	0.0243 ppm
Concentration per Run 2	0.0016 ppm	0.0282 ppm	5.5175 ppm	5.0679 ppm	9.8882 ppm	0.0006 ppm	0.0235 ppm
Concentration per Run 3	0.0012 ppm	0.0213 ppm	5.4837 ppm	5.0409 ppm	9.7682 ppm	0.0006 ppm	0.0265 ppm
Recovery Percentage 1	0.000 %	0.000 %	109.935 %	101.001 %	98.254 %	0.000 %	0.000 %
Concentration RSD	44.1 %	30.4 %	0.3 %	0.3 %	0.6 %	7.4 %	6.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0003 ppm	0.0011 ppm	0.0006 ppm	20.2650 [SIC 50]	0.0060 ppm	317.2752 ppm	5.3311 ppm
Concentration per Run 1	-0.0003 ppm	0.0012 ppm	0.0007 ppm	20.2762 ppm	0.0056 ppm	317.5954 ppm	5.3046 ppm
Concentration per Run 2	-0.0003 ppm	0.0010 ppm	0.0010 ppm	20.2520 ppm	0.0056 ppm	317.4226 ppm	5.3430 ppm
Concentration per Run 3	-0.0004 ppm	0.0010 ppm	0.0000 ppm	20.2666 ppm	0.0067 ppm	316.8077 ppm	5.3456 ppm
Recovery Percentage 1	0.000 %	0.000 %	0.000 %	101.325 %	0.000 %	105.758 %	106.622 %
Concentration RSD	11.3 %	14.1 %	86.9 %	0.1 %	10.2 %	0.1 %	0.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0326 ppm	0.0013 ppm	5.0205 [SIC 20]	458.6479 ppm	10.0080 [SIC 20]	48.6443 ppm	0.0234 ppm
Concentration per Run 1	0.0335 ppm	0.0014 ppm	5.0096 ppm	466.1611 ppm	9.9998 ppm	48.6094 ppm	0.0231 ppm
Concentration per Run 2	0.0324 ppm	0.0014 ppm	5.0400 ppm	456.4137 ppm	10.0423 ppm	48.7936 ppm	0.0233 ppm
Concentration per Run 3	0.0321 ppm	0.0011 ppm	5.0119 ppm	453.3688 ppm	9.9818 ppm	48.5300 ppm	0.0238 ppm
Recovery Percentage 1	0.000 %	0.000 %	100.410 %	91.730 %	100.080 %	97.289 %	0.000 %
Concentration RSD	2.3 %	13.9 %	0.3 %	1.5 %	0.3 %	0.3 %	1.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0009 ppm	21.9837 [SIC 200]	0.0036 ppm	0.0010 ppm	0.0032 ppm	-0.0015 ppm	0.0076 ppm
Concentration per Run 1	-0.0017 ppm	21.9540 ppm	0.0038 ppm	0.0010 ppm	0.0040 ppm	-0.0011 ppm	0.0076 ppm
Concentration per Run 2	-0.0013 ppm	22.0626 ppm	0.0036 ppm	0.0010 ppm	0.0030 ppm	-0.0026 ppm	0.0077 ppm
Concentration per Run 3	-0.0032 ppm	21.9345 ppm	0.0035 ppm	0.0010 ppm	0.0027 ppm	-0.0009 ppm	0.0074 ppm
Recovery Percentage 1	0.000 %	109.918 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	268.0 %	0.3 %	4.4 %	0.8 %	20.5 %	57.5 %	2.0 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	20.5165 [SIC 50]	96.2057 %	87.1759 %	83.0371 %	98.0012 %	87.9595 %	88.6052 %
Concentration per Run 1	20.5076 ppm	96.0022 %	87.2093 %	82.7827 %	97.9706 %	88.0391 %	88.6349 %
Concentration per Run 2	20.5730 ppm	96.4646 %	87.0577 %	83.3603 %	98.1165 %	87.7223 %	88.5349 %
Concentration per Run 3	20.4687 ppm	96.1502 %	87.2608 %	82.9685 %	97.9165 %	88.1170 %	88.6457 %
Recovery Percentage 1	102.582 %						
Concentration RSD	0.3 %	0.2 %	0.1 %	0.4 %	0.1 %	0.2 %	0.1 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: IEC 500 Al -Pb
Analysis started at: 6/30/2025 6:58:49 AM
Comments: <Comment>
Rack: 1
Vial: 1

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	466.2634 ppm	0.0012 ppm	0.0048 ppm	0.0001 ppm	0.0000 ppm	0.0045 ppm
Concentration per Run 1	0.0001 ppm	469.6662 ppm	0.0010 ppm	0.0043 ppm	0.0000 ppm	0.0000 ppm	0.0040 ppm
Concentration per Run 2	0.0000 ppm	464.7873 ppm	0.0035 ppm	0.0049 ppm	0.0000 ppm	0.0000 ppm	0.0032 ppm
Concentration per Run 3	0.0002 ppm	464.3367 ppm	-0.0010 ppm	0.0053 ppm	0.0001 ppm	0.0000 ppm	0.0061 ppm
Recovery Percentage 1	1.769 %	466,263.398 %	23.695 %	16.080 %	0.500 %	0.493 %	4.470 %
Concentration RSD	97.2 %	0.6 %	188.5 %	10.6 %	51.9 %	47.4 %	33.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0021 ppm	-0.0001 ppm	0.0004 ppm	0.0003 ppm	-0.0067 ppm	0.0816 ppm	-0.0003 ppm
Concentration per Run 1	-0.0021 ppm	0.0000 ppm	0.0003 ppm	0.0004 ppm	-0.0069 ppm	0.0820 ppm	0.0004 ppm
Concentration per Run 2	-0.0021 ppm	-0.0002 ppm	0.0004 ppm	0.0003 ppm	-0.0068 ppm	0.0776 ppm	-0.0013 ppm
Concentration per Run 3	-0.0021 ppm	-0.0001 ppm	0.0003 ppm	0.0002 ppm	-0.0066 ppm	0.0850 ppm	-0.0001 ppm
Recovery Percentage 1	-52.582 %	-0.555 %	3.641 %	2.697 %	-13.477 %	3.262 %	-3.409 %
Concentration RSD	0.9 %	90.5 %	10.9 %	37.2 %	2.4 %	4.6 %	253.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	-0.0012 ppm	-0.0009 ppm	0.0020 ppm	0.0729 ppm	0.0020 ppm	0.0000 ppm	0.0064 ppm
Concentration per Run 1	-0.0009 ppm	-0.0009 ppm	0.0020 ppm	0.0745 ppm	0.0022 ppm	0.0003 ppm	0.0055 ppm
Concentration per Run 2	-0.0013 ppm	-0.0010 ppm	0.0021 ppm	0.0684 ppm	0.0018 ppm	0.0012 ppm	0.0066 ppm
Concentration per Run 3	-0.0013 ppm	-0.0009 ppm	0.0019 ppm	0.0756 ppm	0.0021 ppm	-0.0016 ppm	0.0071 ppm
Recovery Percentage 1	-1.169 %	-9.341 %	4.026 %	3.643 %	8.009 %	-0.098 %	12.830 %
Concentration RSD	23.5 %	9.0 %	5.4 %	5.3 %	10.2 %	14,523.5 %	12.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0070 ppm	-0.0015 ppm	-0.0002 ppm	0.0000 ppm	0.0003 ppm	-0.0027 ppm	0.0000 ppm
Concentration per Run 1	0.0019 ppm	-0.0025 ppm	-0.0006 ppm	0.0000 ppm	0.0004 ppm	-0.0024 ppm	0.0001 ppm
Concentration per Run 2	0.0085 ppm	-0.0011 ppm	0.0001 ppm	-0.0001 ppm	0.0003 ppm	-0.0045 ppm	-0.0003 ppm
Concentration per Run 3	0.0105 ppm	-0.0010 ppm	0.0000 ppm	0.0000 ppm	0.0001 ppm	-0.0013 ppm	0.0002 ppm
Recovery Percentage 1	69.629 %	-0.309 %	-0.360 %	-0.237 %	2.613 %	-13.722 %	0.109 %
Concentration RSD	64.7 %	54.6 %	223.5 %	171.1 %	45.3 %	59.3 %	2,237.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0034 ppm	104.1469 %	95.7084 %	102.8156 %	105.7541 %	93.2282 %	97.2505 %
Concentration per Run 1	0.0035 ppm	103.3882 %	95.6254 %	102.9129 %	105.3434 %	93.0046 %	97.1918 %
Concentration per Run 2	0.0033 ppm	104.8412 %	95.8314 %	102.9336 %	106.0149 %	93.4366 %	97.3656 %
Concentration per Run 3	0.0034 ppm	104.2114 %	95.6682 %	102.6003 %	105.9040 %	93.2436 %	97.1942 %
Recovery Percentage 1	68.474 %						
Concentration RSD	2.6 %	0.7 %	0.1 %	0.2 %	0.3 %	0.2 %	0.1 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: IEC 200 Fe +As
 Analysis started at: 6/30/2025 7:06:13 AM
 Comments: <Comment>
 Rack: 1
 Vial: 2

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0014 ppm	0.0056 ppm	0.0000 ppm	0.0022 ppm	0.0001 ppm	0.0000 ppm	0.0035 ppm
Concentration per Run 1	-0.0013 ppm	0.0075 ppm	-0.0007 ppm	0.0020 ppm	0.0001 ppm	0.0000 ppm	0.0009 ppm
Concentration per Run 2	-0.0013 ppm	0.0040 ppm	-0.0001 ppm	0.0027 ppm	0.0001 ppm	0.0001 ppm	0.0013 ppm
Concentration per Run 3	-0.0017 ppm	0.0055 ppm	0.0009 ppm	0.0020 ppm	0.0001 ppm	0.0001 ppm	0.0083 ppm
Recovery Percentage 1	-20.101 %	5.646 %	0.105 %	7.437 %	0.861 %	0.862 %	3.466 %
Concentration RSD	16.7 %	30.9 %	15,120.9 %	16.9 %	31.9 %	49.9 %	120.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0015 ppm	0.0001 ppm	0.0011 ppm	0.0018 ppm	205.9300 [SIC 600]	0.0115 ppm	-0.0007 ppm
Concentration per Run 1	-0.0015 ppm	0.0001 ppm	0.0010 ppm	0.0019 ppm	206.1806 ppm	0.0068 ppm	-0.0009 ppm
Concentration per Run 2	-0.0014 ppm	0.0000 ppm	0.0013 ppm	0.0019 ppm	204.8225 ppm	0.0253 ppm	-0.0006 ppm
Concentration per Run 3	-0.0014 ppm	0.0001 ppm	0.0009 ppm	0.0018 ppm	206.7869 ppm	0.0023 ppm	-0.0007 ppm
Recovery Percentage 1	-36.269 %	0.317 %	10.977 %	18.248 %	411,859.930 %	0.458 %	-7.182 %
Concentration RSD	5.3 %	63.3 %	17.0 %	3.0 %	0.5 %	106.2 %	26.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	-0.0037 ppm	-0.0002 ppm	-0.0008 ppm	0.0177 ppm	-0.0051 ppm	-0.0008 ppm	-0.0031 ppm
Concentration per Run 1	-0.0036 ppm	-0.0002 ppm	-0.0009 ppm	0.0265 ppm	-0.0051 ppm	-0.0003 ppm	-0.0027 ppm
Concentration per Run 2	-0.0032 ppm	-0.0002 ppm	-0.0008 ppm	0.0141 ppm	-0.0051 ppm	-0.0010 ppm	-0.0031 ppm
Concentration per Run 3	-0.0042 ppm	-0.0002 ppm	-0.0008 ppm	0.0124 ppm	-0.0051 ppm	-0.0010 ppm	-0.0034 ppm
Recovery Percentage 1	-3.687 %	-2.031 %	-1.643 %	0.883 %	-20.402 %	-7.569 %	-6.160 %
Concentration RSD	13.2 %	18.9 %	11.7 %	43.5 %	0.3 %	51.8 %	11.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0038 ppm	0.0008 ppm	0.0007 ppm	0.0002 ppm	0.0001 ppm	0.0021 ppm	-0.0010 ppm
Concentration per Run 1	0.0057 ppm	0.0008 ppm	0.0008 ppm	0.0001 ppm	0.0002 ppm	0.0032 ppm	-0.0008 ppm
Concentration per Run 2	0.0010 ppm	0.0005 ppm	0.0005 ppm	0.0003 ppm	-0.0001 ppm	0.0020 ppm	-0.0011 ppm
Concentration per Run 3	0.0048 ppm	0.0010 ppm	0.0007 ppm	0.0003 ppm	0.0003 ppm	0.0010 ppm	-0.0010 ppm
Recovery Percentage 1	38.136 %	0.154 %	1.349 %	2.379 %	1.164 %	10.431 %	-9.578 %
Concentration RSD	65.7 %	27.2 %	17.5 %	33.0 %	138.7 %	51.0 %	15.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	-0.0019 ppm	100.6294 %	98.0273 %	98.3497 %	102.1303 %	96.2677 %	99.1516 %
Concentration per Run 1	-0.0020 ppm	100.4924 %	97.8432 %	98.3005 %	102.6421 %	96.2333 %	99.0929 %
Concentration per Run 2	-0.0018 ppm	100.6490 %	97.9044 %	98.2834 %	101.9781 %	96.3422 %	98.8601 %
Concentration per Run 3	-0.0019 ppm	100.7467 %	98.3342 %	98.4653 %	101.7707 %	96.2277 %	99.5017 %
Recovery Percentage 1	-37.968 %						
Concentration RSD	4.2 %	0.1 %	0.3 %	0.1 %	0.4 %	0.1 %	0.3 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: TEST ICV 0716DHL
 Analysis started at: 6/30/2025 7:23:52 AM
 Comments: <Comment>
 Rack: 1
 Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.5152 ppm	0.4761 ppm	0.4788 ppm	0.4914 ppm	0.4869 ppm	0.4970 ppm	0.5068 ppm
Concentration per Run 1	0.5171 ppm	0.4674 ppm	0.4765 ppm	0.4905 ppm	0.4815 ppm	0.4908 ppm	0.4984 ppm
Concentration per Run 2	0.5139 ppm	0.4833 ppm	0.4800 ppm	0.4915 ppm	0.4899 ppm	0.5001 ppm	0.5069 ppm
Concentration per Run 3	0.5148 ppm	0.4775 ppm	0.4800 ppm	0.4921 ppm	0.4893 ppm	0.5000 ppm	0.5149 ppm
Concentration RSD	0.3 %	1.7 %	0.4 %	0.2 %	1.0 %	1.1 %	1.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4875 ppm	0.4943 ppm	0.5014 ppm	0.4982 ppm	0.4954 ppm	5.0957 ppm	0.5080 ppm
Concentration per Run 1	0.4874 ppm	0.4937 ppm	0.5014 ppm	0.4975 ppm	0.4911 ppm	5.0258 ppm	0.5026 ppm
Concentration per Run 2	0.4879 ppm	0.4949 ppm	0.5021 ppm	0.4981 ppm	0.4988 ppm	5.1362 ppm	0.5121 ppm
Concentration per Run 3	0.4871 ppm	0.4944 ppm	0.5007 ppm	0.4990 ppm	0.4962 ppm	5.1250 ppm	0.5091 ppm
Concentration RSD	0.1 %	0.1 %	0.1 %	0.1 %	0.8 %	1.2 %	1.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5204 ppm	0.4994 ppm	0.4911 ppm	10.0157 ppm	0.5049 ppm	0.5066 ppm	0.4958 ppm
Concentration per Run 1	0.5198 ppm	0.4935 ppm	0.4907 ppm	9.8897 ppm	0.5045 ppm	0.5074 ppm	0.4960 ppm
Concentration per Run 2	0.5213 ppm	0.5022 ppm	0.4912 ppm	10.0936 ppm	0.5056 ppm	0.5065 ppm	0.4974 ppm
Concentration per Run 3	0.5202 ppm	0.5024 ppm	0.4913 ppm	10.0638 ppm	0.5046 ppm	0.5058 ppm	0.4941 ppm
Concentration RSD	0.1 %	1.0 %	0.1 %	1.1 %	0.1 %	0.2 %	0.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4889 ppm	5.4625 ppm	0.5109 ppm	0.4896 ppm	0.5012 ppm	0.5209 ppm	0.5042 ppm
Concentration per Run 1	0.4887 ppm	5.4629 ppm	0.5110 ppm	0.4837 ppm	0.5012 ppm	0.5209 ppm	0.5037 ppm
Concentration per Run 2	0.4882 ppm	5.4673 ppm	0.5115 ppm	0.4932 ppm	0.5007 ppm	0.5217 ppm	0.5047 ppm
Concentration per Run 3	0.4898 ppm	5.4574 ppm	0.5101 ppm	0.4918 ppm	0.5017 ppm	0.5202 ppm	0.5041 ppm
Concentration RSD	0.2 %	0.1 %	0.1 %	1.0 %	0.1 %	0.1 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4966 ppm	101.9692 %	99.2555 %	100.5490 %	101.7301 %	99.2605 %	99.1840 %
Concentration per Run 1	0.4964 ppm	103.0682 %	99.1094 %	100.5037 %	103.0119 %	99.2729 %	98.9807 %
Concentration per Run 2	0.4971 ppm	101.4464 %	99.3187 %	100.4552 %	101.0911 %	99.1056 %	99.2885 %
Concentration per Run 3	0.4964 ppm	101.3931 %	99.3383 %	100.6882 %	101.0874 %	99.4029 %	99.2828 %
Concentration RSD	0.1 %	0.9 %	0.1 %	0.1 %	1.1 %	0.2 %	0.2 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: CCV
 Analysis started at: 6/30/2025 7:29:58 AM
 Comments: <Comment>
 Rack: 0
 Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.5131 ppm	0.4719 ppm	0.4837 ppm	0.4909 ppm	0.4823 ppm	0.4979 ppm	0.4956 ppm
Concentration per Run 1	0.5126 ppm	0.4629 ppm	0.4839 ppm	0.4891 ppm	0.4795 ppm	0.4951 ppm	0.4963 ppm
Concentration per Run 2	0.5120 ppm	0.4731 ppm	0.4840 ppm	0.4929 ppm	0.4823 ppm	0.4995 ppm	0.4960 ppm
Concentration per Run 3	0.5145 ppm	0.4798 ppm	0.4831 ppm	0.4907 ppm	0.4851 ppm	0.4992 ppm	0.4945 ppm
Recovery Percentage 1	102.612 %	94.384 %	96.736 %	98.180 %	96.457 %	99.584 %	99.120 %
Concentration RSD	0.3 %	1.8 %	0.1 %	0.4 %	0.6 %	0.5 %	0.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4937 ppm	0.5009 ppm	0.5078 ppm	0.5043 ppm	0.4947 ppm	5.0529 ppm	0.4867 ppm
Concentration per Run 1	0.4939 ppm	0.5005 ppm	0.5065 ppm	0.5036 ppm	0.4922 ppm	5.0281 ppm	0.4841 ppm
Concentration per Run 2	0.4944 ppm	0.5024 ppm	0.5083 ppm	0.5043 ppm	0.4969 ppm	5.0590 ppm	0.4881 ppm
Concentration per Run 3	0.4929 ppm	0.4999 ppm	0.5086 ppm	0.5049 ppm	0.4949 ppm	5.0716 ppm	0.4880 ppm
Recovery Percentage 1	98.745 %	100.189 %	101.564 %	100.853 %	98.931 %	101.058 %	97.348 %
Concentration RSD	0.2 %	0.3 %	0.2 %	0.1 %	0.5 %	0.4 %	0.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5228 ppm	0.5005 ppm	0.4971 ppm	9.8852 ppm	0.5098 ppm	0.5123 ppm	0.5032 ppm
Concentration per Run 1	0.5261 ppm	0.4968 ppm	0.4964 ppm	9.8198 ppm	0.5093 ppm	0.5103 ppm	0.5035 ppm
Concentration per Run 2	0.5210 ppm	0.5025 ppm	0.4984 ppm	9.9069 ppm	0.5111 ppm	0.5143 ppm	0.5053 ppm
Concentration per Run 3	0.5212 ppm	0.5020 ppm	0.4966 ppm	9.9288 ppm	0.5089 ppm	0.5122 ppm	0.5010 ppm
Recovery Percentage 1	104.551 %	100.093 %	99.430 %	98.852 %	101.958 %	102.453 %	100.647 %
Concentration RSD	0.6 %	0.6 %	0.2 %	0.6 %	0.2 %	0.4 %	0.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4974 ppm	5.4601 ppm	0.5110 ppm	0.4794 ppm	0.5066 ppm	0.5238 ppm	0.5103 ppm
Concentration per Run 1	0.4936 ppm	5.4530 ppm	0.5095 ppm	0.4765 ppm	0.5066 ppm	0.5210 ppm	0.5107 ppm
Concentration per Run 2	0.5007 ppm	5.4755 ppm	0.5128 ppm	0.4797 ppm	0.5066 ppm	0.5271 ppm	0.5103 ppm
Concentration per Run 3	0.4978 ppm	5.4516 ppm	0.5107 ppm	0.4818 ppm	0.5066 ppm	0.5232 ppm	0.5098 ppm
Recovery Percentage 1	99.473 %	104.001 %	102.200 %	95.873 %	101.321 %	104.754 %	102.055 %
Concentration RSD	0.7 %	0.2 %	0.3 %	0.6 %	0.0 %	0.6 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5008 ppm	102.2273 %	98.9690 %	100.0357 %	102.0602 %	99.0402 %	99.2277 %
Concentration per Run 1	0.5009 ppm	103.3181 %	99.1978 %	99.8881 %	102.9131 %	99.1468 %	99.4062 %
Concentration per Run 2	0.5014 ppm	101.4117 %	98.9045 %	100.0565 %	101.5255 %	98.6739 %	99.2410 %
Concentration per Run 3	0.5000 ppm	101.9522 %	98.8045 %	100.1624 %	101.7420 %	99.3000 %	99.0360 %
Recovery Percentage 1	100.154 %						
Concentration RSD	0.1 %	1.0 %	0.2 %	0.1 %	0.7 %	0.3 %	0.2 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: CCB
Analysis started at: 6/30/2025 7:36:04 AM
Comments: <Comment>
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	-0.0039 ppm	0.0000 ppm	0.0023 ppm	-0.0001 ppm	0.0000 ppm	0.0002 ppm
Concentration per Run 1	0.0001 ppm	0.0032 ppm	-0.0002 ppm	0.0022 ppm	-0.0001 ppm	0.0000 ppm	-0.0009 ppm
Concentration per Run 2	-0.0001 ppm	-0.0031 ppm	0.0004 ppm	0.0025 ppm	-0.0001 ppm	0.0000 ppm	0.0028 ppm
Concentration per Run 3	0.0003 ppm	-0.0118 ppm	-0.0002 ppm	0.0020 ppm	-0.0001 ppm	0.0000 ppm	-0.0015 ppm
Recovery Percentage 1	1.611 %	-3.890 %	-0.634 %	7.580 %	-1.199 %	0.036 %	0.164 %
Concentration RSD	137.8 %	194.8 %	1,104.0 %	11.0 %	19.3 %	965.4 %	1,405.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0001 ppm	0.0002 ppm	0.0002 ppm	-0.0008 ppm	-0.0133 ppm	-0.0008 ppm
Concentration per Run 1	0.0000 ppm	0.0001 ppm	0.0006 ppm	0.0001 ppm	-0.0007 ppm	-0.0242 ppm	-0.0003 ppm
Concentration per Run 2	0.0000 ppm	0.0001 ppm	-0.0001 ppm	0.0003 ppm	-0.0011 ppm	-0.0189 ppm	-0.0006 ppm
Concentration per Run 3	0.0000 ppm	0.0001 ppm	0.0000 ppm	0.0003 ppm	-0.0006 ppm	0.0033 ppm	-0.0014 ppm
Recovery Percentage 1	-0.046 %	0.486 %	1.577 %	2.441 %	-1.562 %	-0.532 %	-7.739 %
Concentration RSD	1,541.7 %	27.8 %	230.4 %	46.0 %	35.3 %	109.6 %	75.8 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0015 ppm	0.0000 ppm	0.0018 ppm	0.0043 ppm	0.0000 ppm	0.0002 ppm	0.0003 ppm
Concentration per Run 1	0.0037 ppm	0.0001 ppm	0.0019 ppm	0.0026 ppm	0.0001 ppm	0.0001 ppm	-0.0005 ppm
Concentration per Run 2	0.0021 ppm	0.0000 ppm	0.0016 ppm	0.0062 ppm	0.0003 ppm	-0.0004 ppm	0.0009 ppm
Concentration per Run 3	-0.0012 ppm	-0.0002 ppm	0.0018 ppm	0.0040 ppm	-0.0003 ppm	0.0008 ppm	0.0004 ppm
Recovery Percentage 1	1.536 %	-0.350 %	3.531 %	0.213 %	0.097 %	1.893 %	0.512 %
Concentration RSD	161.7 %	384.7 %	8.2 %	43.0 %	1,090.0 %	305.7 %	285.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0026 ppm	-0.0010 ppm	-0.0003 ppm	0.0000 ppm	0.0002 ppm	-0.0007 ppm	0.0000 ppm
Concentration per Run 1	0.0047 ppm	-0.0008 ppm	-0.0004 ppm	0.0000 ppm	0.0002 ppm	0.0003 ppm	0.0000 ppm
Concentration per Run 2	0.0003 ppm	-0.0007 ppm	-0.0001 ppm	0.0001 ppm	0.0001 ppm	-0.0020 ppm	-0.0001 ppm
Concentration per Run 3	0.0029 ppm	-0.0016 ppm	-0.0003 ppm	-0.0001 ppm	0.0001 ppm	-0.0006 ppm	0.0001 ppm
Recovery Percentage 1	26.394 %	-0.209 %	-0.526 %	0.118 %	1.530 %	-3.736 %	0.055 %
Concentration RSD	82.6 %	47.6 %	69.5 %	616.2 %	50.1 %	156.0 %	2,594.9 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	-0.0002 ppm	103.0010 %	101.1483 %	101.5944 %	102.2384 %	100.4623 %	100.2300 %
Concentration per Run 1	-0.0003 ppm	104.3891 %	100.9485 %	101.5230 %	104.2251 %	100.5521 %	100.2702 %
Concentration per Run 2	-0.0002 ppm	102.4051 %	101.2638 %	101.6619 %	101.6114 %	100.5382 %	100.1811 %
Concentration per Run 3	-0.0002 ppm	102.2087 %	101.2325 %	101.5983 %	100.8787 %	100.2965 %	100.2386 %
Recovery Percentage 1	-4.469 %						
Concentration RSD	28.1 %	1.2 %	0.2 %	0.1 %	1.7 %	0.1 %	0.0 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: WG2084485-1 WG2084485
 Analysis started at: 6/30/2025 7:47:58 AM
 Comments: <Comment>
 Rack: 1
 Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0002 ppm	0.0018 ppm	-0.0003 ppm	0.0020 ppm	0.0000 ppm	0.0000 ppm	0.0168 ppm
Concentration per Run 1	0.0002 ppm	-0.0005 ppm	-0.0005 ppm	0.0022 ppm	-0.0001 ppm	0.0000 ppm	0.0196 ppm
Concentration per Run 2	-0.0005 ppm	0.0081 ppm	0.0001 ppm	0.0021 ppm	-0.0001 ppm	0.0000 ppm	0.0135 ppm
Concentration per Run 3	-0.0002 ppm	-0.0022 ppm	-0.0006 ppm	0.0016 ppm	0.0001 ppm	0.0000 ppm	0.0173 ppm
Concentration RSD	207.0 %	309.7 %	103.7 %	14.5 %	183.4 %	289.9 %	18.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0001 ppm	0.0004 ppm	0.0003 ppm	0.0116 ppm	0.0221 ppm	-0.0001 ppm
Concentration per Run 1	0.0000 ppm	-0.0001 ppm	0.0006 ppm	0.0000 ppm	0.0106 ppm	0.0181 ppm	-0.0006 ppm
Concentration per Run 2	0.0000 ppm	0.0000 ppm	0.0002 ppm	0.0005 ppm	0.0125 ppm	-0.0005 ppm	0.0004 ppm
Concentration per Run 3	0.0000 ppm	-0.0002 ppm	0.0003 ppm	0.0003 ppm	0.0119 ppm	0.0487 ppm	-0.0002 ppm
Concentration RSD	208.3 %	63.9 %	63.5 %	76.2 %	8.4 %	112.4 %	363.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0060 ppm	0.0004 ppm	0.0009 ppm	0.0118 ppm	0.0002 ppm	-0.0002 ppm	0.0006 ppm
Concentration per Run 1	0.0051 ppm	0.0006 ppm	0.0009 ppm	0.0190 ppm	0.0004 ppm	-0.0007 ppm	0.0007 ppm
Concentration per Run 2	0.0049 ppm	0.0004 ppm	0.0009 ppm	0.0070 ppm	0.0002 ppm	-0.0001 ppm	0.0001 ppm
Concentration per Run 3	0.0080 ppm	0.0003 ppm	0.0009 ppm	0.0095 ppm	0.0002 ppm	0.0000 ppm	0.0008 ppm
Concentration RSD	29.6 %	34.3 %	2.8 %	53.7 %	45.7 %	148.0 %	70.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0006 ppm	0.0107 ppm	0.0073 ppm	0.0000 ppm	0.0002 ppm	-0.0027 ppm	0.0000 ppm
Concentration per Run 1	0.0006 ppm	0.0111 ppm	0.0074 ppm	0.0000 ppm	0.0002 ppm	-0.0018 ppm	-0.0001 ppm
Concentration per Run 2	0.0002 ppm	0.0113 ppm	0.0074 ppm	0.0000 ppm	-0.0001 ppm	-0.0028 ppm	0.0001 ppm
Concentration per Run 3	0.0011 ppm	0.0098 ppm	0.0070 ppm	0.0001 ppm	0.0005 ppm	-0.0036 ppm	0.0002 ppm
Concentration RSD	72.4 %	7.4 %	3.1 %	88.6 %	157.3 %	32.7 %	382.8 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0013 ppm	100.1745 %	100.5408 %	100.9540 %	100.1005 %	98.4887 %	100.0151 %
Concentration per Run 1	0.0013 ppm	99.0853 %	100.5187 %	101.0270 %	99.5754 %	98.5167 %	100.2645 %
Concentration per Run 2	0.0012 ppm	101.1326 %	100.5767 %	101.0072 %	100.7845 %	98.2451 %	99.7163 %
Concentration per Run 3	0.0013 ppm	100.3055 %	100.5272 %	100.8279 %	99.9416 %	98.7042 %	100.0646 %
Concentration RSD	3.0 %	1.0 %	0.0 %	0.1 %	0.6 %	0.2 %	0.3 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: WG2084485-2D2 WG2084485
 Analysis started at: 6/30/2025 7:54:23 AM
 Comments: <Comment>
 Rack: 1
 Vial: 5

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.3323 ppm	15.9984 ppm	0.7459 ppm	0.6765 ppm	0.9514 ppm	0.6665 ppm	17.3726 ppm
Concentration per Run 1	0.3350 ppm	15.9708 ppm	0.7663 ppm	0.6942 ppm	0.9487 ppm	0.6652 ppm	17.3406 ppm
Concentration per Run 2	0.3322 ppm	16.0137 ppm	0.7477 ppm	0.6771 ppm	0.9533 ppm	0.6670 ppm	17.3743 ppm
Concentration per Run 3	0.3296 ppm	16.0106 ppm	0.7238 ppm	0.6582 ppm	0.9522 ppm	0.6674 ppm	17.4027 ppm
Concentration RSD	0.8 %	0.1 %	2.9 %	2.7 %	0.3 %	0.2 %	0.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4465 ppm	0.9369 ppm	0.6440 ppm	0.3769 ppm	20.3668 ppm	5.9631 ppm	0.4126 ppm
Concentration per Run 1	0.4589 ppm	0.9638 ppm	0.6480 ppm	0.3801 ppm	20.2960 ppm	5.9513 ppm	0.4109 ppm
Concentration per Run 2	0.4470 ppm	0.9377 ppm	0.6442 ppm	0.3772 ppm	20.3941 ppm	5.9930 ppm	0.4145 ppm
Concentration per Run 3	0.4336 ppm	0.9091 ppm	0.6399 ppm	0.3733 ppm	20.4102 ppm	5.9452 ppm	0.4126 ppm
Concentration RSD	2.8 %	2.9 %	0.6 %	0.9 %	0.3 %	0.4 %	0.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	6.1818 ppm	1.7171 ppm	0.5708 ppm	8.4181 ppm	0.5964 ppm	0.5588 ppm	0.3961 ppm
Concentration per Run 1	6.2098 ppm	1.7106 ppm	0.5866 ppm	8.3800 ppm	0.6138 ppm	0.5738 ppm	0.4083 ppm
Concentration per Run 2	6.1845 ppm	1.7202 ppm	0.5708 ppm	8.4461 ppm	0.5968 ppm	0.5602 ppm	0.3963 ppm
Concentration per Run 3	6.1510 ppm	1.7205 ppm	0.5551 ppm	8.4283 ppm	0.5786 ppm	0.5425 ppm	0.3837 ppm
Concentration RSD	0.5 %	0.3 %	2.8 %	0.4 %	3.0 %	2.8 %	3.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.3746 ppm	2.1114 ppm	0.3841 ppm	0.8995 ppm	1.1948 ppm	0.7381 ppm	0.6467 ppm
Concentration per Run 1	0.3848 ppm	2.1986 ppm	0.3952 ppm	0.8955 ppm	1.2034 ppm	0.7572 ppm	0.6516 ppm
Concentration per Run 2	0.3730 ppm	2.1184 ppm	0.3845 ppm	0.9016 ppm	1.1944 ppm	0.7377 ppm	0.6462 ppm
Concentration per Run 3	0.3660 ppm	2.0172 ppm	0.3724 ppm	0.9013 ppm	1.1866 ppm	0.7193 ppm	0.6422 ppm
Concentration RSD	2.5 %	4.3 %	3.0 %	0.4 %	0.7 %	2.6 %	0.7 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	1.1491 ppm	109.7320 %	105.9971 %	106.5722 %	101.8654 %	97.4065 %	99.1876 %
Concentration per Run 1	1.1822 ppm	110.3550 %	106.3776 %	106.7630 %	102.5227 %	97.5300 %	99.4743 %
Concentration per Run 2	1.1510 ppm	109.4647 %	106.1459 %	106.6460 %	101.6279 %	97.3727 %	99.2406 %
Concentration per Run 3	1.1140 ppm	109.3763 %	105.4680 %	106.3077 %	101.4456 %	97.3169 %	98.8478 %
Concentration RSD	3.0 %	0.5 %	0.4 %	0.2 %	0.6 %	0.1 %	0.3 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: WG2084485-3D2 WG2084485
 Analysis started at: 6/30/2025 8:00:27 AM
 Comments: <Comment>
 Rack: 1
 Vial: 6

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.3285 ppm	15.6976 ppm	0.7571 ppm	0.6877 ppm	0.9335 ppm	0.6636 ppm	17.1619 ppm
Concentration per Run 1	0.3296 ppm	15.6485 ppm	0.7823 ppm	0.7081 ppm	0.9326 ppm	0.6636 ppm	17.1097 ppm
Concentration per Run 2	0.3272 ppm	15.7938 ppm	0.7576 ppm	0.6875 ppm	0.9387 ppm	0.6673 ppm	17.2803 ppm
Concentration per Run 3	0.3286 ppm	15.6506 ppm	0.7315 ppm	0.6675 ppm	0.9293 ppm	0.6598 ppm	17.0955 ppm
Concentration RSD	0.4 %	0.5 %	3.4 %	3.0 %	0.5 %	0.6 %	0.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4832 ppm	0.9504 ppm	0.6434 ppm	0.3775 ppm	19.8735 ppm	5.7998 ppm	0.4024 ppm
Concentration per Run 1	0.4981 ppm	0.9822 ppm	0.6471 ppm	0.3796 ppm	19.8152 ppm	5.8124 ppm	0.4025 ppm
Concentration per Run 2	0.4831 ppm	0.9504 ppm	0.6418 ppm	0.3769 ppm	19.9974 ppm	5.8312 ppm	0.4042 ppm
Concentration per Run 3	0.4682 ppm	0.9187 ppm	0.6412 ppm	0.3760 ppm	19.8078 ppm	5.7558 ppm	0.4007 ppm
Concentration RSD	3.1 %	3.3 %	0.5 %	0.5 %	0.5 %	0.7 %	0.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	6.1887 ppm	1.6562 ppm	0.5815 ppm	8.2571 ppm	0.6087 ppm	0.5672 ppm	0.3994 ppm
Concentration per Run 1	6.2112 ppm	1.6542 ppm	0.5996 ppm	8.2707 ppm	0.6283 ppm	0.5831 ppm	0.4125 ppm
Concentration per Run 2	6.1756 ppm	1.6679 ppm	0.5823 ppm	8.2989 ppm	0.6091 ppm	0.5671 ppm	0.4001 ppm
Concentration per Run 3	6.1793 ppm	1.6465 ppm	0.5626 ppm	8.2016 ppm	0.5885 ppm	0.5514 ppm	0.3858 ppm
Concentration RSD	0.3 %	0.7 %	3.2 %	0.6 %	3.3 %	2.8 %	3.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.3809 ppm	2.0726 ppm	0.3903 ppm	0.8850 ppm	1.1887 ppm	0.8085 ppm	0.6447 ppm
Concentration per Run 1	0.3930 ppm	2.1617 ppm	0.4040 ppm	0.8853 ppm	1.1937 ppm	0.8294 ppm	0.6475 ppm
Concentration per Run 2	0.3812 ppm	2.0779 ppm	0.3903 ppm	0.8889 ppm	1.1872 ppm	0.8084 ppm	0.6444 ppm
Concentration per Run 3	0.3685 ppm	1.9781 ppm	0.3766 ppm	0.8808 ppm	1.1852 ppm	0.7879 ppm	0.6423 ppm
Concentration RSD	3.2 %	4.4 %	3.5 %	0.5 %	0.4 %	2.6 %	0.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	1.1675 ppm	107.9015 %	106.5193 %	107.0709 %	101.2533 %	97.1726 %	100.0248 %
Concentration per Run 1	1.2061 ppm	108.4738 %	106.5671 %	107.1845 %	101.3094 %	97.0837 %	100.0463 %
Concentration per Run 2	1.1675 ppm	107.1378 %	106.5030 %	107.1696 %	100.6952 %	97.2637 %	100.1561 %
Concentration per Run 3	1.1291 ppm	108.0927 %	106.4879 %	106.8587 %	101.7554 %	97.1704 %	99.8721 %
Concentration RSD	3.3 %	0.6 %	0.0 %	0.2 %	0.5 %	0.1 %	0.1 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: I2540464-01D2 WG2084485
 Analysis started at: 6/30/2025 8:06:32 AM
 Comments: <Comment>
 Rack: 1
 Vial: 11

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	68.8290 ppm	0.0135 ppm	0.0242 ppm	0.1423 ppm	0.0021 ppm	9.1331 ppm
Concentration per Run 1	0.0000 ppm	68.7586 ppm	0.0115 ppm	0.0250 ppm	0.1426 ppm	0.0021 ppm	9.1413 ppm
Concentration per Run 2	0.0003 ppm	69.2519 ppm	0.0154 ppm	0.0238 ppm	0.1426 ppm	0.0021 ppm	9.1777 ppm
Concentration per Run 3	-0.0006 ppm	68.4765 ppm	0.0137 ppm	0.0237 ppm	0.1418 ppm	0.0021 ppm	9.0805 ppm
Concentration RSD	476.3 %	0.6 %	14.8 %	2.9 %	0.4 %	0.5 %	0.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0011 ppm	0.0374 ppm	0.0809 ppm	0.0970 ppm	86.1701 ppm	5.5216 ppm	0.0649 ppm
Concentration per Run 1	-0.0011 ppm	0.0384 ppm	0.0816 ppm	0.0972 ppm	85.9999 ppm	5.5037 ppm	0.0649 ppm
Concentration per Run 2	-0.0011 ppm	0.0374 ppm	0.0805 ppm	0.0972 ppm	86.7584 ppm	5.5624 ppm	0.0648 ppm
Concentration per Run 3	-0.0012 ppm	0.0364 ppm	0.0806 ppm	0.0967 ppm	85.7519 ppm	5.4987 ppm	0.0651 ppm
Concentration RSD	8.9 %	2.7 %	0.8 %	0.3 %	0.6 %	0.6 %	0.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	16.3299 ppm	2.0606 ppm	0.0035 ppm	1.8722 ppm	0.0761 ppm	0.0518 ppm	0.0005 ppm
Concentration per Run 1	16.4346 ppm	2.0593 ppm	0.0037 ppm	1.8780 ppm	0.0777 ppm	0.0530 ppm	0.0009 ppm
Concentration per Run 2	16.3199 ppm	2.0726 ppm	0.0032 ppm	1.8756 ppm	0.0762 ppm	0.0510 ppm	0.0005 ppm
Concentration per Run 3	16.2352 ppm	2.0498 ppm	0.0036 ppm	1.8629 ppm	0.0745 ppm	0.0513 ppm	0.0001 ppm
Concentration RSD	0.6 %	0.6 %	6.9 %	0.4 %	2.1 %	2.1 %	87.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0044 ppm	3.5178 ppm	0.0047 ppm	0.0625 ppm	3.4076 ppm	0.0046 ppm	0.1418 ppm
Concentration per Run 1	0.0071 ppm	3.6818 ppm	0.0045 ppm	0.0624 ppm	3.4283 ppm	0.0041 ppm	0.1429 ppm
Concentration per Run 2	0.0023 ppm	3.5016 ppm	0.0047 ppm	0.0629 ppm	3.4098 ppm	0.0039 ppm	0.1415 ppm
Concentration per Run 3	0.0040 ppm	3.3699 ppm	0.0048 ppm	0.0623 ppm	3.3846 ppm	0.0059 ppm	0.1410 ppm
Concentration RSD	55.2 %	4.5 %	3.7 %	0.6 %	0.6 %	23.9 %	0.7 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.1522 ppm	121.9089 %	117.0167 %	117.8730 %	105.7146 %	98.1540 %	102.2889 %
Concentration per Run 1	0.1553 ppm	122.2565 %	117.1262 %	118.4566 %	106.0816 %	98.2445 %	102.2725 %
Concentration per Run 2	0.1518 ppm	120.2818 %	117.0407 %	117.7168 %	104.5043 %	98.0246 %	102.0638 %
Concentration per Run 3	0.1497 ppm	123.1885 %	116.8832 %	117.4457 %	106.5580 %	98.1927 %	102.5305 %
Concentration RSD	1.9 %	1.2 %	0.1 %	0.4 %	1.0 %	0.1 %	0.2 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: I2540464-02D2 WG2084485
 Analysis started at: 6/30/2025 8:12:47 AM
 Comments: <Comment>
 Rack: 1
 Vial: 12

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0005 ppm	50.4167 ppm	0.0162 ppm	0.0624 ppm	0.1603 ppm	0.0014 ppm	31.1209 ppm
Concentration per Run 1	-0.0007 ppm	50.8731 ppm	0.0181 ppm	0.0638 ppm	0.1619 ppm	0.0014 ppm	31.3801 ppm
Concentration per Run 2	-0.0002 ppm	50.4997 ppm	0.0150 ppm	0.0624 ppm	0.1603 ppm	0.0015 ppm	31.1907 ppm
Concentration per Run 3	-0.0006 ppm	49.8772 ppm	0.0157 ppm	0.0609 ppm	0.1586 ppm	0.0014 ppm	30.7917 ppm
Concentration RSD	58.9 %	1.0 %	10.1 %	2.4 %	1.0 %	0.7 %	1.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0013 ppm	0.0421 ppm	0.1169 ppm	0.1137 ppm	92.1700 ppm	7.0830 ppm	0.0752 ppm
Concentration per Run 1	-0.0012 ppm	0.0439 ppm	0.1174 ppm	0.1142 ppm	92.9198 ppm	7.1475 ppm	0.0763 ppm
Concentration per Run 2	-0.0013 ppm	0.0420 ppm	0.1173 ppm	0.1140 ppm	92.3768 ppm	7.1133 ppm	0.0745 ppm
Concentration per Run 3	-0.0015 ppm	0.0404 ppm	0.1158 ppm	0.1128 ppm	91.2133 ppm	6.9881 ppm	0.0750 ppm
Concentration RSD	8.1 %	4.2 %	0.8 %	0.7 %	0.9 %	1.2 %	1.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	18.8023 ppm	1.4526 ppm	0.0177 ppm	1.8318 ppm	0.0848 ppm	0.0333 ppm	-0.0020 ppm
Concentration per Run 1	18.9120 ppm	1.4653 ppm	0.0184 ppm	1.8432 ppm	0.0877 ppm	0.0338 ppm	-0.0018 ppm
Concentration per Run 2	18.7796 ppm	1.4548 ppm	0.0176 ppm	1.8442 ppm	0.0845 ppm	0.0339 ppm	-0.0029 ppm
Concentration per Run 3	18.7153 ppm	1.4378 ppm	0.0171 ppm	1.8081 ppm	0.0822 ppm	0.0323 ppm	-0.0012 ppm
Concentration RSD	0.5 %	1.0 %	3.8 %	1.1 %	3.2 %	2.8 %	42.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0060 ppm	3.8723 ppm	0.0057 ppm	0.0939 ppm	2.6386 ppm	0.0040 ppm	0.1543 ppm
Concentration per Run 1	0.0086 ppm	4.0678 ppm	0.0056 ppm	0.0949 ppm	2.6574 ppm	0.0031 ppm	0.1553 ppm
Concentration per Run 2	0.0043 ppm	3.8976 ppm	0.0057 ppm	0.0939 ppm	2.6388 ppm	0.0048 ppm	0.1543 ppm
Concentration per Run 3	0.0051 ppm	3.6515 ppm	0.0058 ppm	0.0928 ppm	2.6196 ppm	0.0041 ppm	0.1535 ppm
Concentration RSD	37.8 %	5.4 %	2.1 %	1.1 %	0.7 %	21.6 %	0.6 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.1475 ppm	118.8263 %	114.1575 %	114.5769 %	103.3117 %	96.0976 %	100.5719 %
Concentration per Run 1	0.1524 ppm	118.3456 %	113.9849 %	114.8321 %	102.7854 %	95.9041 %	100.3559 %
Concentration per Run 2	0.1476 ppm	118.7120 %	114.3212 %	114.6581 %	102.9214 %	96.1585 %	100.7940 %
Concentration per Run 3	0.1425 ppm	119.4213 %	114.1664 %	114.2405 %	104.2283 %	96.2302 %	100.5658 %
Concentration RSD	3.4 %	0.5 %	0.1 %	0.3 %	0.8 %	0.2 %	0.2 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: I2540464-03D2 WG2084485
 Analysis started at: 6/30/2025 8:19:02 AM
 Comments: <Comment>
 Rack: 1
 Vial: 13

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0002 ppm	34.6853 ppm	0.0103 ppm	0.0062 ppm	0.1218 ppm	0.0013 ppm	5.4178 ppm
Concentration per Run 1	-0.0005 ppm	35.2895 ppm	0.0105 ppm	0.0064 ppm	0.1237 ppm	0.0013 ppm	5.5019 ppm
Concentration per Run 2	-0.0001 ppm	34.5886 ppm	0.0108 ppm	0.0059 ppm	0.1215 ppm	0.0013 ppm	5.3987 ppm
Concentration per Run 3	0.0001 ppm	34.1779 ppm	0.0095 ppm	0.0064 ppm	0.1201 ppm	0.0012 ppm	5.3527 ppm
Concentration RSD	195.7 %	1.6 %	6.5 %	5.0 %	1.5 %	3.5 %	1.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0007 ppm	0.0305 ppm	0.0468 ppm	0.0559 ppm	63.9556 ppm	5.8998 ppm	0.0526 ppm
Concentration per Run 1	-0.0007 ppm	0.0310 ppm	0.0472 ppm	0.0563 ppm	65.0571 ppm	6.0065 ppm	0.0533 ppm
Concentration per Run 2	-0.0007 ppm	0.0302 ppm	0.0466 ppm	0.0559 ppm	63.8022 ppm	5.8785 ppm	0.0525 ppm
Concentration per Run 3	-0.0007 ppm	0.0302 ppm	0.0465 ppm	0.0555 ppm	63.0075 ppm	5.8146 ppm	0.0521 ppm
Concentration RSD	5.4 %	1.4 %	0.8 %	0.7 %	1.6 %	1.7 %	1.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	11.6870 ppm	0.7086 ppm	0.0023 ppm	1.0301 ppm	0.0717 ppm	0.0204 ppm	-0.0006 ppm
Concentration per Run 1	11.7487 ppm	0.7200 ppm	0.0023 ppm	1.0491 ppm	0.0728 ppm	0.0211 ppm	-0.0020 ppm
Concentration per Run 2	11.7227 ppm	0.7073 ppm	0.0022 ppm	1.0218 ppm	0.0713 ppm	0.0205 ppm	0.0000 ppm
Concentration per Run 3	11.5896 ppm	0.6984 ppm	0.0023 ppm	1.0196 ppm	0.0709 ppm	0.0196 ppm	0.0002 ppm
Concentration RSD	0.7 %	1.5 %	1.4 %	1.6 %	1.4 %	3.7 %	205.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0034 ppm	2.1182 ppm	0.0044 ppm	0.0233 ppm	1.9654 ppm	0.0055 ppm	0.0768 ppm
Concentration per Run 1	0.0039 ppm	2.1748 ppm	0.0047 ppm	0.0237 ppm	1.9765 ppm	0.0046 ppm	0.0772 ppm
Concentration per Run 2	0.0057 ppm	2.0967 ppm	0.0039 ppm	0.0233 ppm	1.9685 ppm	0.0066 ppm	0.0769 ppm
Concentration per Run 3	0.0006 ppm	2.0831 ppm	0.0046 ppm	0.0230 ppm	1.9512 ppm	0.0052 ppm	0.0764 ppm
Concentration RSD	77.2 %	2.3 %	10.5 %	1.6 %	0.7 %	18.9 %	0.5 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.1005 ppm	114.6472 %	113.2661 %	114.3181 %	100.9357 %	97.9048 %	100.6084 %
Concentration per Run 1	0.1019 ppm	112.9810 %	113.4374 %	114.4347 %	99.0676 %	97.7578 %	100.6599 %
Concentration per Run 2	0.1003 ppm	115.1865 %	112.8891 %	114.2435 %	101.5043 %	98.0055 %	100.1989 %
Concentration per Run 3	0.0994 ppm	115.7743 %	113.4719 %	114.2761 %	102.2352 %	97.9510 %	100.9663 %
Concentration RSD	1.3 %	1.3 %	0.3 %	0.1 %	1.6 %	0.1 %	0.4 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: I2540464-04D2 WG2084485
 Analysis started at: 6/30/2025 8:25:15 AM
 Comments: <Comment>
 Rack: 1
 Vial: 14

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	42.7921 ppm	0.0103 ppm	0.0112 ppm	0.1015 ppm	0.0017 ppm	3.5962 ppm
Concentration per Run 1	0.0001 ppm	42.6975 ppm	0.0105 ppm	0.0116 ppm	0.1014 ppm	0.0017 ppm	3.5950 ppm
Concentration per Run 2	0.0000 ppm	43.0098 ppm	0.0090 ppm	0.0110 ppm	0.1019 ppm	0.0017 ppm	3.6020 ppm
Concentration per Run 3	-0.0004 ppm	42.6690 ppm	0.0114 ppm	0.0109 ppm	0.1012 ppm	0.0016 ppm	3.5916 ppm
Concentration RSD	281.9 %	0.4 %	11.8 %	3.6 %	0.4 %	2.2 %	0.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0009 ppm	0.0243 ppm	0.0620 ppm	0.0766 ppm	66.0641 ppm	5.3542 ppm	0.0542 ppm
Concentration per Run 1	-0.0008 ppm	0.0251 ppm	0.0622 ppm	0.0770 ppm	65.9544 ppm	5.3552 ppm	0.0545 ppm
Concentration per Run 2	-0.0009 ppm	0.0242 ppm	0.0620 ppm	0.0766 ppm	66.4584 ppm	5.4147 ppm	0.0545 ppm
Concentration per Run 3	-0.0010 ppm	0.0235 ppm	0.0618 ppm	0.0763 ppm	65.7795 ppm	5.2927 ppm	0.0535 ppm
Concentration RSD	7.8 %	3.2 %	0.3 %	0.5 %	0.5 %	1.1 %	1.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	14.7969 ppm	0.5491 ppm	0.0020 ppm	1.7662 ppm	0.0756 ppm	0.0285 ppm	-0.0007 ppm
Concentration per Run 1	14.9019 ppm	0.5487 ppm	0.0021 ppm	1.7611 ppm	0.0774 ppm	0.0292 ppm	0.0002 ppm
Concentration per Run 2	14.7850 ppm	0.5508 ppm	0.0018 ppm	1.7768 ppm	0.0753 ppm	0.0289 ppm	-0.0016 ppm
Concentration per Run 3	14.7039 ppm	0.5479 ppm	0.0021 ppm	1.7606 ppm	0.0740 ppm	0.0274 ppm	-0.0008 ppm
Concentration RSD	0.7 %	0.3 %	8.2 %	0.5 %	2.3 %	3.5 %	126.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0041 ppm	1.9371 ppm	0.0047 ppm	0.0185 ppm	2.3063 ppm	0.0058 ppm	0.1171 ppm
Concentration per Run 1	0.0034 ppm	2.0735 ppm	0.0051 ppm	0.0185 ppm	2.3191 ppm	0.0068 ppm	0.1179 ppm
Concentration per Run 2	0.0031 ppm	1.9274 ppm	0.0042 ppm	0.0185 ppm	2.3053 ppm	0.0059 ppm	0.1167 ppm
Concentration per Run 3	0.0059 ppm	1.8105 ppm	0.0048 ppm	0.0184 ppm	2.2945 ppm	0.0046 ppm	0.1167 ppm
Concentration RSD	37.5 %	6.8 %	9.9 %	0.6 %	0.5 %	19.3 %	0.6 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.1304 ppm	116.2083 %	111.8341 %	112.1828 %	105.5636 %	97.6937 %	101.4788 %
Concentration per Run 1	0.1337 ppm	116.1588 %	111.7328 %	112.3159 %	105.9913 %	97.7158 %	101.3317 %
Concentration per Run 2	0.1300 ppm	115.9160 %	111.7284 %	112.0776 %	104.6427 %	97.5832 %	101.5051 %
Concentration per Run 3	0.1275 ppm	116.5501 %	112.0409 %	112.1547 %	106.0569 %	97.7821 %	101.5995 %
Concentration RSD	2.4 %	0.3 %	0.2 %	0.1 %	0.8 %	0.1 %	0.1 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: I2540464-05D2 WG2084485
 Analysis started at: 6/30/2025 8:31:28 AM
 Comments: <Comment>
 Rack: 1
 Vial: 15

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0002 ppm	46.8702 ppm	0.0140 ppm	0.0223 ppm	0.1475 ppm	0.0017 ppm	8.4807 ppm
Concentration per Run 1	0.0001 ppm	46.9009 ppm	0.0147 ppm	0.0227 ppm	0.1478 ppm	0.0017 ppm	8.4897 ppm
Concentration per Run 2	-0.0002 ppm	46.9617 ppm	0.0126 ppm	0.0220 ppm	0.1479 ppm	0.0017 ppm	8.4861 ppm
Concentration per Run 3	-0.0003 ppm	46.7480 ppm	0.0145 ppm	0.0222 ppm	0.1469 ppm	0.0017 ppm	8.4663 ppm
Concentration RSD	153.0 %	0.2 %	8.3 %	1.6 %	0.4 %	0.2 %	0.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0011 ppm	0.0361 ppm	0.1294 ppm	0.1012 ppm	84.9389 ppm	6.6916 ppm	0.0714 ppm
Concentration per Run 1	-0.0010 ppm	0.0375 ppm	0.1308 ppm	0.1019 ppm	85.0188 ppm	6.7114 ppm	0.0714 ppm
Concentration per Run 2	-0.0012 ppm	0.0358 ppm	0.1294 ppm	0.1013 ppm	85.1580 ppm	6.7243 ppm	0.0715 ppm
Concentration per Run 3	-0.0012 ppm	0.0349 ppm	0.1281 ppm	0.1003 ppm	84.6401 ppm	6.6390 ppm	0.0712 ppm
Concentration RSD	9.1 %	3.7 %	1.0 %	0.8 %	0.3 %	0.7 %	0.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	16.2615 ppm	1.0706 ppm	0.0214 ppm	1.9324 ppm	0.0887 ppm	0.0280 ppm	-0.0004 ppm
Concentration per Run 1	16.3797 ppm	1.0706 ppm	0.0222 ppm	1.9385 ppm	0.0915 ppm	0.0291 ppm	-0.0007 ppm
Concentration per Run 2	16.2593 ppm	1.0730 ppm	0.0211 ppm	1.9354 ppm	0.0882 ppm	0.0277 ppm	-0.0008 ppm
Concentration per Run 3	16.1456 ppm	1.0684 ppm	0.0208 ppm	1.9233 ppm	0.0864 ppm	0.0273 ppm	0.0003 ppm
Concentration RSD	0.7 %	0.2 %	3.4 %	0.4 %	2.9 %	3.3 %	148.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0037 ppm	2.3249 ppm	0.0054 ppm	0.0296 ppm	2.5792 ppm	0.0067 ppm	0.1238 ppm
Concentration per Run 1	0.0051 ppm	2.5108 ppm	0.0055 ppm	0.0297 ppm	2.5933 ppm	0.0059 ppm	0.1245 ppm
Concentration per Run 2	0.0060 ppm	2.2910 ppm	0.0058 ppm	0.0297 ppm	2.5819 ppm	0.0062 ppm	0.1239 ppm
Concentration per Run 3	0.0000 ppm	2.1727 ppm	0.0049 ppm	0.0294 ppm	2.5625 ppm	0.0078 ppm	0.1228 ppm
Concentration RSD	86.6 %	7.4 %	8.4 %	0.6 %	0.6 %	15.0 %	0.7 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.1449 ppm	119.3614 %	115.0775 %	115.4072 %	105.5861 %	97.9000 %	102.1916 %
Concentration per Run 1	0.1498 ppm	119.7150 %	114.8612 %	115.9086 %	105.6387 %	97.7258 %	102.0162 %
Concentration per Run 2	0.1436 ppm	119.7295 %	115.2917 %	115.3227 %	105.6628 %	98.0798 %	102.2758 %
Concentration per Run 3	0.1414 ppm	118.6397 %	115.0797 %	114.9904 %	105.4568 %	97.8944 %	102.2829 %
Concentration RSD	3.0 %	0.5 %	0.2 %	0.4 %	0.1 %	0.2 %	0.1 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: I2540464-06D2 WG2084485
 Analysis started at: 6/30/2025 8:37:41 AM
 Comments: <Comment>
 Rack: 1
 Vial: 16

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0004 ppm	51.4465 ppm	0.0133 ppm	0.0152 ppm	0.2075 ppm	0.0012 ppm	22.0380 ppm
Concentration per Run 1	-0.0003 ppm	52.3973 ppm	0.0136 ppm	0.0148 ppm	0.2116 ppm	0.0012 ppm	22.4320 ppm
Concentration per Run 2	-0.0007 ppm	51.4203 ppm	0.0120 ppm	0.0155 ppm	0.2070 ppm	0.0012 ppm	22.0514 ppm
Concentration per Run 3	-0.0004 ppm	50.5218 ppm	0.0142 ppm	0.0153 ppm	0.2039 ppm	0.0011 ppm	21.6304 ppm
Concentration RSD	46.0 %	1.8 %	8.5 %	2.5 %	1.9 %	5.2 %	1.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0008 ppm	0.0427 ppm	0.0963 ppm	0.1053 ppm	84.7140 ppm	11.3864 ppm	0.0871 ppm
Concentration per Run 1	-0.0008 ppm	0.0431 ppm	0.0968 ppm	0.1059 ppm	86.1571 ppm	11.5915 ppm	0.0877 ppm
Concentration per Run 2	-0.0009 ppm	0.0425 ppm	0.0964 ppm	0.1050 ppm	84.7654 ppm	11.3987 ppm	0.0871 ppm
Concentration per Run 3	-0.0009 ppm	0.0424 ppm	0.0957 ppm	0.1050 ppm	83.2194 ppm	11.1691 ppm	0.0863 ppm
Concentration RSD	3.2 %	0.8 %	0.5 %	0.5 %	1.7 %	1.9 %	0.8 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	21.1359 ppm	1.6429 ppm	0.0062 ppm	1.7093 ppm	0.1038 ppm	0.0325 ppm	0.0003 ppm
Concentration per Run 1	21.1505 ppm	1.6718 ppm	0.0062 ppm	1.7417 ppm	0.1045 ppm	0.0324 ppm	0.0008 ppm
Concentration per Run 2	21.1915 ppm	1.6431 ppm	0.0060 ppm	1.7122 ppm	0.1033 ppm	0.0324 ppm	-0.0011 ppm
Concentration per Run 3	21.0658 ppm	1.6138 ppm	0.0063 ppm	1.6739 ppm	0.1037 ppm	0.0328 ppm	0.0011 ppm
Concentration RSD	0.3 %	1.8 %	2.0 %	2.0 %	0.6 %	0.7 %	442.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0052 ppm	3.3218 ppm	0.0054 ppm	0.0477 ppm	3.7464 ppm	0.0073 ppm	0.1541 ppm
Concentration per Run 1	0.0083 ppm	3.3664 ppm	0.0051 ppm	0.0484 ppm	3.7576 ppm	0.0070 ppm	0.1545 ppm
Concentration per Run 2	0.0013 ppm	3.3036 ppm	0.0058 ppm	0.0476 ppm	3.7504 ppm	0.0073 ppm	0.1545 ppm
Concentration per Run 3	0.0059 ppm	3.2953 ppm	0.0052 ppm	0.0469 ppm	3.7312 ppm	0.0075 ppm	0.1534 ppm
Concentration RSD	69.2 %	1.2 %	7.3 %	1.6 %	0.4 %	3.7 %	0.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.1675 ppm	113.8089 %	112.4024 %	113.4566 %	101.3612 %	96.7772 %	101.1494 %
Concentration per Run 1	0.1690 ppm	111.8917 %	112.3518 %	113.2747 %	99.8218 %	96.7601 %	101.2607 %
Concentration per Run 2	0.1672 ppm	113.3110 %	112.4276 %	113.4765 %	100.6610 %	96.8969 %	101.0610 %
Concentration per Run 3	0.1664 ppm	116.2241 %	112.4278 %	113.6185 %	103.6008 %	96.6744 %	101.1266 %
Concentration RSD	0.8 %	1.9 %	0.0 %	0.2 %	2.0 %	0.1 %	0.1 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: I2540464-08D2 WG2084485
 Analysis started at: 6/30/2025 8:43:54 AM
 Comments: <Comment>
 Rack: 1
 Vial: 17

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0005 ppm	56.1320 ppm	0.0099 ppm	0.0150 ppm	0.1056 ppm	0.0017 ppm	2.0911 ppm
Concentration per Run 1	-0.0007 ppm	55.5066 ppm	0.0097 ppm	0.0151 ppm	0.1046 ppm	0.0016 ppm	2.0627 ppm
Concentration per Run 2	-0.0004 ppm	56.4654 ppm	0.0104 ppm	0.0151 ppm	0.1061 ppm	0.0017 ppm	2.1074 ppm
Concentration per Run 3	-0.0004 ppm	56.4239 ppm	0.0096 ppm	0.0147 ppm	0.1059 ppm	0.0017 ppm	2.1031 ppm
Concentration RSD	33.6 %	1.0 %	4.5 %	1.5 %	0.8 %	2.2 %	1.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0008 ppm	0.0296 ppm	0.0702 ppm	0.0614 ppm	62.7874 ppm	4.9488 ppm	0.0583 ppm
Concentration per Run 1	-0.0007 ppm	0.0300 ppm	0.0707 ppm	0.0617 ppm	62.1211 ppm	4.8918 ppm	0.0568 ppm
Concentration per Run 2	-0.0009 ppm	0.0296 ppm	0.0699 ppm	0.0615 ppm	63.1569 ppm	5.0110 ppm	0.0605 ppm
Concentration per Run 3	-0.0009 ppm	0.0291 ppm	0.0700 ppm	0.0611 ppm	63.0843 ppm	4.9434 ppm	0.0575 ppm
Concentration RSD	12.2 %	1.4 %	0.6 %	0.5 %	0.9 %	1.2 %	3.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	14.3096 ppm	0.6862 ppm	0.0029 ppm	1.6017 ppm	0.0621 ppm	0.0324 ppm	0.0005 ppm
Concentration per Run 1	14.2848 ppm	0.6787 ppm	0.0029 ppm	1.5739 ppm	0.0632 ppm	0.0327 ppm	0.0009 ppm
Concentration per Run 2	14.3153 ppm	0.6893 ppm	0.0031 ppm	1.6103 ppm	0.0619 ppm	0.0330 ppm	0.0003 ppm
Concentration per Run 3	14.3286 ppm	0.6906 ppm	0.0028 ppm	1.6210 ppm	0.0610 ppm	0.0315 ppm	0.0001 ppm
Concentration RSD	0.2 %	1.0 %	6.0 %	1.5 %	1.7 %	2.4 %	86.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0042 ppm	3.5430 ppm	0.0050 ppm	0.0153 ppm	2.8764 ppm	0.0032 ppm	0.1131 ppm
Concentration per Run 1	0.0033 ppm	3.6659 ppm	0.0057 ppm	0.0151 ppm	2.8787 ppm	0.0023 ppm	0.1132 ppm
Concentration per Run 2	0.0011 ppm	3.5213 ppm	0.0053 ppm	0.0154 ppm	2.8757 ppm	0.0033 ppm	0.1133 ppm
Concentration per Run 3	0.0080 ppm	3.4418 ppm	0.0040 ppm	0.0154 ppm	2.8747 ppm	0.0040 ppm	0.1127 ppm
Concentration RSD	85.0 %	3.2 %	18.4 %	0.9 %	0.1 %	27.7 %	0.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.1297 ppm	113.9387 %	109.7956 %	111.1210 %	105.5992 %	97.1036 %	101.2182 %
Concentration per Run 1	0.1322 ppm	114.5598 %	110.0735 %	111.1390 %	106.2988 %	96.8648 %	101.7284 %
Concentration per Run 2	0.1291 ppm	113.4129 %	109.6569 %	111.0459 %	105.0928 %	96.9160 %	101.1746 %
Concentration per Run 3	0.1279 ppm	113.8434 %	109.6564 %	111.1781 %	105.4059 %	97.5301 %	100.7515 %
Concentration RSD	1.7 %	0.5 %	0.2 %	0.1 %	0.6 %	0.4 %	0.5 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: CCV
 Analysis started at: 6/30/2025 8:50:08 AM
 Comments: <Comment>
 Rack: 0
 Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.5141 ppm	0.4869 ppm	0.4866 ppm	0.4918 ppm	0.4979 ppm	0.5166 ppm	0.5133 ppm
Concentration per Run 1	0.5143 ppm	0.4889 ppm	0.4872 ppm	0.4928 ppm	0.5022 ppm	0.5215 ppm	0.5219 ppm
Concentration per Run 2	0.5127 ppm	0.4905 ppm	0.4870 ppm	0.4906 ppm	0.4983 ppm	0.5158 ppm	0.5110 ppm
Concentration per Run 3	0.5153 ppm	0.4813 ppm	0.4856 ppm	0.4921 ppm	0.4933 ppm	0.5125 ppm	0.5071 ppm
Recovery Percentage 1	102.825 %	97.377 %	97.320 %	98.369 %	99.585 %	103.321 %	102.667 %
Concentration RSD	0.3 %	1.0 %	0.2 %	0.2 %	0.9 %	0.9 %	1.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4923 ppm	0.4995 ppm	0.5054 ppm	0.5048 ppm	0.5123 ppm	5.1915 ppm	0.5058 ppm
Concentration per Run 1	0.4930 ppm	0.5004 ppm	0.5060 ppm	0.5039 ppm	0.5153 ppm	5.2459 ppm	0.5114 ppm
Concentration per Run 2	0.4914 ppm	0.4984 ppm	0.5050 ppm	0.5041 ppm	0.5142 ppm	5.1894 ppm	0.5050 ppm
Concentration per Run 3	0.4925 ppm	0.4997 ppm	0.5051 ppm	0.5063 ppm	0.5074 ppm	5.1393 ppm	0.5011 ppm
Recovery Percentage 1	98.457 %	99.893 %	101.071 %	100.957 %	102.465 %	103.830 %	101.165 %
Concentration RSD	0.2 %	0.2 %	0.1 %	0.3 %	0.8 %	1.0 %	1.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5261 ppm	0.5160 ppm	0.5018 ppm	10.3330 ppm	0.5138 ppm	0.5165 ppm	0.5049 ppm
Concentration per Run 1	0.5240 ppm	0.5218 ppm	0.5016 ppm	10.4418 ppm	0.5140 ppm	0.5162 ppm	0.5057 ppm
Concentration per Run 2	0.5256 ppm	0.5153 ppm	0.5013 ppm	10.3185 ppm	0.5131 ppm	0.5160 ppm	0.5050 ppm
Concentration per Run 3	0.5288 ppm	0.5110 ppm	0.5025 ppm	10.2388 ppm	0.5143 ppm	0.5173 ppm	0.5041 ppm
Recovery Percentage 1	105.226 %	103.202 %	100.364 %	103.330 %	102.761 %	103.298 %	100.990 %
Concentration RSD	0.5 %	1.1 %	0.1 %	1.0 %	0.1 %	0.1 %	0.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4995 ppm	5.5350 ppm	0.5166 ppm	0.4948 ppm	0.5098 ppm	0.5346 ppm	0.5110 ppm
Concentration per Run 1	0.4984 ppm	5.5461 ppm	0.5178 ppm	0.4991 ppm	0.5104 ppm	0.5341 ppm	0.5113 ppm
Concentration per Run 2	0.5010 ppm	5.5220 ppm	0.5157 ppm	0.4952 ppm	0.5092 ppm	0.5340 ppm	0.5114 ppm
Concentration per Run 3	0.4992 ppm	5.5370 ppm	0.5164 ppm	0.4902 ppm	0.5097 ppm	0.5357 ppm	0.5103 ppm
Recovery Percentage 1	99.909 %	105.429 %	103.329 %	98.966 %	101.951 %	106.917 %	102.200 %
Concentration RSD	0.3 %	0.2 %	0.2 %	0.9 %	0.1 %	0.2 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5013 ppm	100.7744 %	99.8158 %	100.6400 %	99.2774 %	98.4357 %	99.3033 %
Concentration per Run 1	0.5020 ppm	99.4461 %	99.7345 %	100.8149 %	97.8707 %	98.3992 %	99.1933 %
Concentration per Run 2	0.5011 ppm	101.2742 %	99.7948 %	100.4051 %	99.7781 %	98.4306 %	99.4888 %
Concentration per Run 3	0.5010 ppm	101.6028 %	99.9179 %	100.6999 %	100.1835 %	98.4772 %	99.2278 %
Recovery Percentage 1	100.269 %						
Concentration RSD	0.1 %	1.2 %	0.1 %	0.2 %	1.2 %	0.0 %	0.2 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: CCB
 Analysis started at: 6/30/2025 8:56:15 AM
 Comments: <Comment>
 Rack: 0
 Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	-0.0037 ppm	0.0020 ppm	0.0014 ppm	-0.0001 ppm	0.0000 ppm	0.0055 ppm
Concentration per Run 1	0.0001 ppm	-0.0076 ppm	0.0012 ppm	0.0018 ppm	0.0000 ppm	0.0000 ppm	0.0052 ppm
Concentration per Run 2	0.0001 ppm	-0.0010 ppm	0.0040 ppm	0.0012 ppm	-0.0001 ppm	0.0000 ppm	0.0058 ppm
Concentration per Run 3	0.0002 ppm	-0.0026 ppm	0.0008 ppm	0.0011 ppm	-0.0001 ppm	0.0000 ppm	0.0056 ppm
Recovery Percentage 1	2.111 %	-3.735 %	39.862 %	4.605 %	-0.910 %	-0.029 %	5.514 %
Concentration RSD	47.7 %	91.5 %	89.7 %	28.8 %	94.1 %	1,951.9 %	5.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0001 ppm	0.0001 ppm	0.0004 ppm	0.0004 ppm	-0.0036 ppm	-0.0015 ppm
Concentration per Run 1	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0005 ppm	0.0017 ppm	0.0193 ppm	-0.0018 ppm
Concentration per Run 2	0.0000 ppm	0.0001 ppm	0.0001 ppm	0.0003 ppm	0.0000 ppm	-0.0108 ppm	-0.0011 ppm
Concentration per Run 3	0.0000 ppm	0.0002 ppm	0.0003 ppm	0.0004 ppm	-0.0006 ppm	-0.0192 ppm	-0.0017 ppm
Recovery Percentage 1	0.112 %	0.361 %	1.172 %	4.345 %	0.760 %	-0.142 %	-15.312 %
Concentration RSD	221.4 %	146.4 %	101.9 %	23.5 %	315.1 %	570.0 %	25.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0003 ppm	-0.0001 ppm	0.0012 ppm	-0.0085 ppm	0.0001 ppm	-0.0003 ppm	0.0001 ppm
Concentration per Run 1	0.0011 ppm	-0.0003 ppm	0.0014 ppm	-0.0132 ppm	0.0001 ppm	-0.0003 ppm	0.0002 ppm
Concentration per Run 2	0.0004 ppm	0.0002 ppm	0.0012 ppm	-0.0035 ppm	0.0002 ppm	-0.0004 ppm	-0.0003 ppm
Concentration per Run 3	-0.0007 ppm	-0.0001 ppm	0.0010 ppm	-0.0087 ppm	0.0000 ppm	-0.0002 ppm	0.0006 ppm
Recovery Percentage 1	0.261 %	-0.781 %	2.432 %	-0.423 %	0.401 %	-3.116 %	0.286 %
Concentration RSD	346.2 %	287.3 %	13.2 %	57.2 %	121.0 %	41.1 %	298.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0021 ppm	0.0053 ppm	0.0003 ppm	0.0000 ppm	0.0003 ppm	-0.0014 ppm	0.0001 ppm
Concentration per Run 1	0.0028 ppm	0.0059 ppm	0.0004 ppm	0.0000 ppm	0.0001 ppm	-0.0013 ppm	0.0000 ppm
Concentration per Run 2	0.0013 ppm	0.0053 ppm	-0.0001 ppm	-0.0001 ppm	0.0005 ppm	-0.0011 ppm	0.0002 ppm
Concentration per Run 3	0.0023 ppm	0.0047 ppm	0.0007 ppm	0.0000 ppm	0.0002 ppm	-0.0018 ppm	0.0000 ppm
Recovery Percentage 1	21.215 %	1.062 %	0.655 %	-0.261 %	2.752 %	-6.990 %	0.517 %
Concentration RSD	33.9 %	10.9 %	128.4 %	399.4 %	77.3 %	27.0 %	187.6 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	-0.0001 ppm	103.7536 %	100.7549 %	101.3009 %	101.3080 %	100.1374 %	98.7556 %
Concentration per Run 1	0.0000 ppm	104.5666 %	100.6040 %	101.1812 %	102.5843 %	100.5252 %	98.6584 %
Concentration per Run 2	0.0000 ppm	103.7750 %	100.6926 %	101.2649 %	100.8161 %	99.6432 %	98.7712 %
Concentration per Run 3	-0.0001 ppm	102.9192 %	100.9682 %	101.4566 %	100.5235 %	100.2438 %	98.8373 %
Recovery Percentage 1	-1.257 %						
Concentration RSD	94.7 %	0.8 %	0.2 %	0.1 %	1.1 %	0.4 %	0.1 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: I2540464-09D2 WG2084485
 Analysis started at: 6/30/2025 9:06:10 AM
 Comments: <Comment>
 Rack: 1
 Vial: 18

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0006 ppm	56.9797 ppm	0.0107 ppm	0.0615 ppm	0.1455 ppm	0.0018 ppm	21.0187 ppm
Concentration per Run 1	-0.0006 ppm	57.3253 ppm	0.0087 ppm	0.0634 ppm	0.1468 ppm	0.0017 ppm	21.1386 ppm
Concentration per Run 2	-0.0006 ppm	56.9479 ppm	0.0112 ppm	0.0618 ppm	0.1456 ppm	0.0017 ppm	21.0321 ppm
Concentration per Run 3	-0.0005 ppm	56.6658 ppm	0.0121 ppm	0.0593 ppm	0.1442 ppm	0.0018 ppm	20.8854 ppm
Concentration RSD	11.3 %	0.6 %	16.2 %	3.3 %	0.9 %	1.4 %	0.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0014 ppm	0.0325 ppm	0.1405 ppm	0.1028 ppm	89.4531 ppm	6.9777 ppm	0.0788 ppm
Concentration per Run 1	-0.0013 ppm	0.0341 ppm	0.1414 ppm	0.1036 ppm	89.9124 ppm	7.0484 ppm	0.0785 ppm
Concentration per Run 2	-0.0015 ppm	0.0326 ppm	0.1404 ppm	0.1026 ppm	89.5160 ppm	6.9558 ppm	0.0793 ppm
Concentration per Run 3	-0.0016 ppm	0.0307 ppm	0.1398 ppm	0.1020 ppm	88.9309 ppm	6.9290 ppm	0.0785 ppm
Concentration RSD	12.4 %	5.3 %	0.6 %	0.8 %	0.6 %	0.9 %	0.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	18.1903 ppm	0.8255 ppm	0.0250 ppm	2.0833 ppm	0.0788 ppm	0.0330 ppm	-0.0013 ppm
Concentration per Run 1	18.2523 ppm	0.8306 ppm	0.0261 ppm	2.0962 ppm	0.0820 ppm	0.0355 ppm	-0.0024 ppm
Concentration per Run 2	18.1916 ppm	0.8254 ppm	0.0251 ppm	2.0863 ppm	0.0788 ppm	0.0328 ppm	0.0003 ppm
Concentration per Run 3	18.1269 ppm	0.8206 ppm	0.0237 ppm	2.0673 ppm	0.0758 ppm	0.0307 ppm	-0.0019 ppm
Concentration RSD	0.3 %	0.6 %	4.9 %	0.7 %	3.9 %	7.3 %	109.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0046 ppm	4.8527 ppm	0.0060 ppm	0.0648 ppm	3.0218 ppm	0.0040 ppm	0.1524 ppm
Concentration per Run 1	0.0050 ppm	5.1880 ppm	0.0060 ppm	0.0652 ppm	3.0404 ppm	0.0041 ppm	0.1536 ppm
Concentration per Run 2	0.0030 ppm	4.8783 ppm	0.0065 ppm	0.0647 ppm	3.0241 ppm	0.0035 ppm	0.1523 ppm
Concentration per Run 3	0.0058 ppm	4.4920 ppm	0.0056 ppm	0.0645 ppm	3.0010 ppm	0.0044 ppm	0.1514 ppm
Concentration RSD	32.1 %	7.2 %	6.9 %	0.6 %	0.7 %	11.5 %	0.7 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.1592 ppm	113.8499 %	109.7383 %	110.2277 %	104.9284 %	95.9642 %	100.5744 %
Concentration per Run 1	0.1659 ppm	113.1333 %	109.9921 %	110.6713 %	104.7108 %	95.9944 %	100.7806 %
Concentration per Run 2	0.1593 ppm	114.0143 %	109.7425 %	110.1763 %	104.8785 %	95.7024 %	100.5521 %
Concentration per Run 3	0.1525 ppm	114.4022 %	109.4802 %	109.8355 %	105.1958 %	96.1958 %	100.3904 %
Concentration RSD	4.2 %	0.6 %	0.2 %	0.4 %	0.2 %	0.3 %	0.2 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: I2540464-10D2 WG2084485
 Analysis started at: 6/30/2025 9:12:23 AM
 Comments: <Comment>
 Rack: 1
 Vial: 19

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0002 ppm	52.6478 ppm	0.0109 ppm	0.0088 ppm	0.1402 ppm	0.0017 ppm	3.0348 ppm
Concentration per Run 1	-0.0001 ppm	52.1954 ppm	0.0120 ppm	0.0088 ppm	0.1392 ppm	0.0018 ppm	3.0030 ppm
Concentration per Run 2	-0.0004 ppm	52.8939 ppm	0.0106 ppm	0.0088 ppm	0.1410 ppm	0.0018 ppm	3.0526 ppm
Concentration per Run 3	-0.0001 ppm	52.8541 ppm	0.0099 ppm	0.0089 ppm	0.1406 ppm	0.0017 ppm	3.0487 ppm
Concentration RSD	105.0 %	0.7 %	9.8 %	0.5 %	0.7 %	1.9 %	0.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0012 ppm	0.0333 ppm	0.0756 ppm	0.0929 ppm	83.5251 ppm	7.2747 ppm	0.0889 ppm
Concentration per Run 1	-0.0010 ppm	0.0347 ppm	0.0758 ppm	0.0933 ppm	82.7188 ppm	7.2445 ppm	0.0882 ppm
Concentration per Run 2	-0.0012 ppm	0.0329 ppm	0.0755 ppm	0.0931 ppm	83.9815 ppm	7.2810 ppm	0.0888 ppm
Concentration per Run 3	-0.0013 ppm	0.0324 ppm	0.0756 ppm	0.0922 ppm	83.8750 ppm	7.2986 ppm	0.0898 ppm
Concentration RSD	11.0 %	3.5 %	0.2 %	0.7 %	0.8 %	0.4 %	0.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	18.9699 ppm	0.5582 ppm	0.0017 ppm	1.6914 ppm	0.0964 ppm	0.0277 ppm	-0.0008 ppm
Concentration per Run 1	19.1202 ppm	0.5527 ppm	0.0018 ppm	1.6842 ppm	0.0996 ppm	0.0293 ppm	-0.0011 ppm
Concentration per Run 2	18.9095 ppm	0.5598 ppm	0.0016 ppm	1.6974 ppm	0.0963 ppm	0.0270 ppm	-0.0008 ppm
Concentration per Run 3	18.8801 ppm	0.5621 ppm	0.0018 ppm	1.6928 ppm	0.0932 ppm	0.0269 ppm	-0.0007 ppm
Concentration RSD	0.7 %	0.9 %	7.7 %	0.4 %	3.4 %	4.9 %	25.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0065 ppm	2.2446 ppm	0.0050 ppm	0.0156 ppm	3.2548 ppm	0.0072 ppm	0.1251 ppm
Concentration per Run 1	0.0060 ppm	2.3512 ppm	0.0055 ppm	0.0156 ppm	3.2746 ppm	0.0070 ppm	0.1261 ppm
Concentration per Run 2	0.0085 ppm	2.2314 ppm	0.0044 ppm	0.0156 ppm	3.2502 ppm	0.0063 ppm	0.1252 ppm
Concentration per Run 3	0.0050 ppm	2.1512 ppm	0.0051 ppm	0.0155 ppm	3.2397 ppm	0.0082 ppm	0.1239 ppm
Concentration RSD	27.5 %	4.5 %	11.4 %	0.3 %	0.6 %	13.3 %	0.9 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.1439 ppm	117.0529 %	112.2296 %	112.7298 %	105.1829 %	96.9319 %	101.0782 %
Concentration per Run 1	0.1489 ppm	117.8368 %	112.0764 %	113.0904 %	106.2258 %	96.7202 %	101.0005 %
Concentration per Run 2	0.1431 ppm	116.6623 %	112.2434 %	112.8130 %	104.4951 %	97.0484 %	101.2445 %
Concentration per Run 3	0.1397 ppm	116.6597 %	112.3689 %	112.2859 %	104.8279 %	97.0271 %	100.9897 %
Concentration RSD	3.2 %	0.6 %	0.1 %	0.4 %	0.9 %	0.2 %	0.1 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: I2540464-11D2 WG2084485
 Analysis started at: 6/30/2025 9:18:37 AM
 Comments: <Comment>
 Rack: 1
 Vial: 20

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0005 ppm	40.2992 ppm	0.0085 ppm	0.0080 ppm	0.1099 ppm	0.0015 ppm	3.8253 ppm
Concentration per Run 1	-0.0003 ppm	40.0672 ppm	0.0101 ppm	0.0085 ppm	0.1091 ppm	0.0015 ppm	3.7940 ppm
Concentration per Run 2	-0.0003 ppm	40.3689 ppm	0.0079 ppm	0.0076 ppm	0.1102 ppm	0.0015 ppm	3.8365 ppm
Concentration per Run 3	-0.0007 ppm	40.4614 ppm	0.0074 ppm	0.0080 ppm	0.1104 ppm	0.0015 ppm	3.8454 ppm
Concentration RSD	44.4 %	0.5 %	16.7 %	5.7 %	0.7 %	1.9 %	0.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0008 ppm	0.0285 ppm	0.0552 ppm	0.0698 ppm	59.2731 ppm	5.2108 ppm	0.0518 ppm
Concentration per Run 1	-0.0007 ppm	0.0293 ppm	0.0553 ppm	0.0701 ppm	58.8882 ppm	5.1682 ppm	0.0517 ppm
Concentration per Run 2	-0.0008 ppm	0.0282 ppm	0.0553 ppm	0.0697 ppm	59.3930 ppm	5.2296 ppm	0.0514 ppm
Concentration per Run 3	-0.0008 ppm	0.0278 ppm	0.0551 ppm	0.0695 ppm	59.5380 ppm	5.2346 ppm	0.0522 ppm
Concentration RSD	12.9 %	2.8 %	0.1 %	0.4 %	0.6 %	0.7 %	0.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	12.7884 ppm	0.9737 ppm	0.0016 ppm	2.0494 ppm	0.0672 ppm	0.0254 ppm	0.0001 ppm
Concentration per Run 1	12.8451 ppm	0.9675 ppm	0.0017 ppm	2.0330 ppm	0.0690 ppm	0.0264 ppm	-0.0002 ppm
Concentration per Run 2	12.7706 ppm	0.9752 ppm	0.0015 ppm	2.0584 ppm	0.0670 ppm	0.0248 ppm	-0.0006 ppm
Concentration per Run 3	12.7494 ppm	0.9784 ppm	0.0015 ppm	2.0567 ppm	0.0655 ppm	0.0249 ppm	0.0010 ppm
Concentration RSD	0.4 %	0.6 %	6.0 %	0.7 %	2.6 %	3.5 %	1,108.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0030 ppm	2.2985 ppm	0.0047 ppm	0.0182 ppm	2.2013 ppm	0.0047 ppm	0.0921 ppm
Concentration per Run 1	0.0022 ppm	2.4645 ppm	0.0055 ppm	0.0179 ppm	2.2138 ppm	0.0054 ppm	0.0922 ppm
Concentration per Run 2	0.0021 ppm	2.2583 ppm	0.0043 ppm	0.0183 ppm	2.1995 ppm	0.0040 ppm	0.0921 ppm
Concentration per Run 3	0.0047 ppm	2.1726 ppm	0.0041 ppm	0.0183 ppm	2.1907 ppm	0.0048 ppm	0.0920 ppm
Concentration RSD	49.1 %	6.5 %	16.2 %	1.1 %	0.5 %	15.1 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.1119 ppm	114.8462 %	110.1237 %	110.4322 %	104.7282 %	97.3404 %	101.0625 %
Concentration per Run 1	0.1154 ppm	114.7615 %	110.3164 %	110.8411 %	105.0376 %	97.1007 %	101.1840 %
Concentration per Run 2	0.1110 ppm	115.2379 %	110.1101 %	110.0511 %	104.6592 %	97.4082 %	101.1135 %
Concentration per Run 3	0.1093 ppm	114.5392 %	109.9445 %	110.4044 %	104.4877 %	97.5124 %	100.8901 %
Concentration RSD	2.8 %	0.3 %	0.2 %	0.4 %	0.3 %	0.2 %	0.2 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: I2540464-12D2 WG2084485
 Analysis started at: 6/30/2025 9:24:52 AM
 Comments: <Comment>
 Rack: 1
 Vial: 21

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0004 ppm	45.2507 ppm	0.0111 ppm	0.0210 ppm	0.1478 ppm	0.0015 ppm	10.3363 ppm
Concentration per Run 1	0.0000 ppm	45.0978 ppm	0.0122 ppm	0.0213 ppm	0.1477 ppm	0.0015 ppm	10.2966 ppm
Concentration per Run 2	-0.0005 ppm	45.2996 ppm	0.0105 ppm	0.0203 ppm	0.1477 ppm	0.0014 ppm	10.3612 ppm
Concentration per Run 3	-0.0006 ppm	45.3548 ppm	0.0106 ppm	0.0214 ppm	0.1482 ppm	0.0014 ppm	10.3512 ppm
Concentration RSD	79.5 %	0.3 %	8.5 %	3.0 %	0.2 %	2.9 %	0.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0009 ppm	0.0361 ppm	0.1461 ppm	0.0885 ppm	73.6906 ppm	6.9980 ppm	0.0594 ppm
Concentration per Run 1	-0.0008 ppm	0.0364 ppm	0.1468 ppm	0.0891 ppm	73.3010 ppm	6.9671 ppm	0.0587 ppm
Concentration per Run 2	-0.0008 ppm	0.0361 ppm	0.1457 ppm	0.0886 ppm	73.8102 ppm	7.0234 ppm	0.0595 ppm
Concentration per Run 3	-0.0009 ppm	0.0360 ppm	0.1460 ppm	0.0877 ppm	73.9606 ppm	7.0035 ppm	0.0599 ppm
Concentration RSD	4.8 %	0.5 %	0.4 %	0.8 %	0.5 %	0.4 %	1.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	16.1317 ppm	0.9707 ppm	0.0258 ppm	2.1651 ppm	0.0837 ppm	0.0288 ppm	-0.0008 ppm
Concentration per Run 1	16.1765 ppm	0.9656 ppm	0.0261 ppm	2.1575 ppm	0.0845 ppm	0.0294 ppm	-0.0005 ppm
Concentration per Run 2	16.1473 ppm	0.9721 ppm	0.0256 ppm	2.1697 ppm	0.0834 ppm	0.0286 ppm	0.0003 ppm
Concentration per Run 3	16.0713 ppm	0.9744 ppm	0.0258 ppm	2.1682 ppm	0.0832 ppm	0.0285 ppm	-0.0022 ppm
Concentration RSD	0.3 %	0.5 %	0.9 %	0.3 %	0.8 %	1.7 %	160.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0041 ppm	2.4828 ppm	0.0050 ppm	0.0370 ppm	2.7419 ppm	0.0040 ppm	0.1219 ppm
Concentration per Run 1	0.0041 ppm	2.5227 ppm	0.0055 ppm	0.0369 ppm	2.7524 ppm	0.0057 ppm	0.1223 ppm
Concentration per Run 2	0.0049 ppm	2.4697 ppm	0.0051 ppm	0.0370 ppm	2.7456 ppm	0.0019 ppm	0.1221 ppm
Concentration per Run 3	0.0033 ppm	2.4558 ppm	0.0043 ppm	0.0371 ppm	2.7278 ppm	0.0045 ppm	0.1213 ppm
Concentration RSD	18.4 %	1.4 %	12.4 %	0.2 %	0.5 %	47.3 %	0.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.1289 ppm	115.8936 %	111.2395 %	111.4176 %	105.2148 %	96.7401 %	100.5735 %
Concentration per Run 1	0.1301 ppm	116.1227 %	111.3514 %	111.6847 %	106.1457 %	96.7852 %	100.7015 %
Concentration per Run 2	0.1285 ppm	115.5190 %	111.2916 %	111.4431 %	104.7982 %	96.8091 %	100.6043 %
Concentration per Run 3	0.1280 ppm	116.0391 %	111.0753 %	111.1249 %	104.7004 %	96.6260 %	100.4146 %
Concentration RSD	0.8 %	0.3 %	0.1 %	0.3 %	0.8 %	0.1 %	0.1 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: I2540464-13D2 WG2084485
 Analysis started at: 6/30/2025 9:31:08 AM
 Comments: <Comment>
 Rack: 1
 Vial: 22

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0004 ppm	39.0396 ppm	0.0109 ppm	0.0053 ppm	0.1192 ppm	0.0015 ppm	3.3926 ppm
Concentration per Run 1	-0.0003 ppm	38.8796 ppm	0.0100 ppm	0.0054 ppm	0.1186 ppm	0.0015 ppm	3.3830 ppm
Concentration per Run 2	-0.0004 ppm	39.0216 ppm	0.0130 ppm	0.0056 ppm	0.1191 ppm	0.0014 ppm	3.3945 ppm
Concentration per Run 3	-0.0004 ppm	39.2176 ppm	0.0098 ppm	0.0048 ppm	0.1198 ppm	0.0015 ppm	3.4003 ppm
Concentration RSD	12.7 %	0.4 %	16.3 %	7.9 %	0.5 %	1.0 %	0.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0006 ppm	0.0395 ppm	0.0527 ppm	0.0714 ppm	70.6536 ppm	6.4027 ppm	0.0587 ppm
Concentration per Run 1	-0.0006 ppm	0.0394 ppm	0.0525 ppm	0.0719 ppm	70.3976 ppm	6.3653 ppm	0.0579 ppm
Concentration per Run 2	-0.0007 ppm	0.0394 ppm	0.0530 ppm	0.0710 ppm	70.6996 ppm	6.3998 ppm	0.0593 ppm
Concentration per Run 3	-0.0006 ppm	0.0396 ppm	0.0526 ppm	0.0713 ppm	70.8636 ppm	6.4430 ppm	0.0590 ppm
Concentration RSD	5.0 %	0.2 %	0.5 %	0.6 %	0.3 %	0.6 %	1.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	13.6321 ppm	0.6980 ppm	0.0017 ppm	2.0443 ppm	0.0921 ppm	0.0258 ppm	0.0002 ppm
Concentration per Run 1	13.5994 ppm	0.6958 ppm	0.0018 ppm	2.0300 ppm	0.0923 ppm	0.0258 ppm	0.0005 ppm
Concentration per Run 2	13.6678 ppm	0.6972 ppm	0.0018 ppm	2.0478 ppm	0.0923 ppm	0.0253 ppm	-0.0008 ppm
Concentration per Run 3	13.6292 ppm	0.7009 ppm	0.0016 ppm	2.0552 ppm	0.0918 ppm	0.0263 ppm	0.0009 ppm
Concentration RSD	0.3 %	0.4 %	7.8 %	0.6 %	0.3 %	1.9 %	439.9 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0044 ppm	1.6511 ppm	0.0045 ppm	0.0158 ppm	2.2582 ppm	0.0057 ppm	0.0882 ppm
Concentration per Run 1	0.0051 ppm	1.6618 ppm	0.0045 ppm	0.0157 ppm	2.2607 ppm	0.0053 ppm	0.0883 ppm
Concentration per Run 2	0.0037 ppm	1.6461 ppm	0.0046 ppm	0.0157 ppm	2.2586 ppm	0.0057 ppm	0.0886 ppm
Concentration per Run 3	0.0043 ppm	1.6454 ppm	0.0044 ppm	0.0161 ppm	2.2551 ppm	0.0062 ppm	0.0879 ppm
Concentration RSD	15.4 %	0.6 %	3.1 %	1.3 %	0.1 %	7.8 %	0.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.1316 ppm	117.1167 %	112.3902 %	112.8304 %	105.4073 %	97.3434 %	101.4910 %
Concentration per Run 1	0.1321 ppm	117.0427 %	112.6356 %	112.8871 %	105.7492 %	97.3220 %	101.7931 %
Concentration per Run 2	0.1314 ppm	117.3196 %	112.2777 %	112.9006 %	105.4726 %	97.5011 %	101.3458 %
Concentration per Run 3	0.1314 ppm	116.9878 %	112.2572 %	112.7035 %	105.0000 %	97.2073 %	101.3340 %
Concentration RSD	0.3 %	0.2 %	0.2 %	0.1 %	0.4 %	0.2 %	0.3 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: I2538429-01D2 WG2084485
 Analysis started at: 6/30/2025 9:37:23 AM
 Comments: <Comment>
 Rack: 1
 Vial: 7

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0015 ppm	161.4409 ppm	0.0578 ppm	0.0219 ppm	1.2170 ppm	0.0060 ppm	16.4223 ppm
Concentration per Run 1	0.0017 ppm	161.1788 ppm	0.0562 ppm	0.0224 ppm	1.2200 ppm	0.0060 ppm	16.4311 ppm
Concentration per Run 2	0.0014 ppm	161.7225 ppm	0.0600 ppm	0.0220 ppm	1.2198 ppm	0.0060 ppm	16.4471 ppm
Concentration per Run 3	0.0014 ppm	161.4213 ppm	0.0573 ppm	0.0215 ppm	1.2112 ppm	0.0060 ppm	16.3888 ppm
Concentration RSD	11.4 %	0.2 %	3.4 %	2.1 %	0.4 %	0.2 %	0.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0021 ppm	0.0993 ppm	0.1515 ppm	0.3051 ppm	202.0062 [SIC 600]	5.1645 ppm	0.1947 ppm
Concentration per Run 1	-0.0020 ppm	0.1007 ppm	0.1523 ppm	0.3063 ppm	202.3381 ppm	5.1692 ppm	0.1949 ppm
Concentration per Run 2	-0.0023 ppm	0.0989 ppm	0.1512 ppm	0.3058 ppm	203.6567 ppm	5.1777 ppm	0.1957 ppm
Concentration per Run 3	-0.0020 ppm	0.0982 ppm	0.1509 ppm	0.3033 ppm	200.0238 ppm	5.1466 ppm	0.1935 ppm
Concentration RSD	7.4 %	1.3 %	0.5 %	0.5 %	0.9 %	0.3 %	0.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	38.4312 ppm	6.6162 ppm	0.0034 ppm	4.3913 ppm	0.1559 ppm	0.2633 ppm	-0.0003 ppm
Concentration per Run 1	38.6776 ppm	6.6197 ppm	0.0032 ppm	4.4022 ppm	0.1586 ppm	0.2679 ppm	-0.0008 ppm
Concentration per Run 2	38.2697 ppm	6.6308 ppm	0.0036 ppm	4.3944 ppm	0.1553 ppm	0.2621 ppm	-0.0005 ppm
Concentration per Run 3	38.3462 ppm	6.5980 ppm	0.0035 ppm	4.3774 ppm	0.1539 ppm	0.2599 ppm	0.0004 ppm
Concentration RSD	0.6 %	0.3 %	5.3 %	0.3 %	1.5 %	1.6 %	216.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0101 ppm	1.6421 ppm	0.0324 ppm	0.1186 ppm	3.4279 ppm	0.0045 ppm	0.4036 ppm
Concentration per Run 1	0.0120 ppm	1.7469 ppm	0.0329 ppm	0.1189 ppm	3.4474 ppm	0.0043 ppm	0.4052 ppm
Concentration per Run 2	0.0087 ppm	1.6203 ppm	0.0329 ppm	0.1190 ppm	3.4247 ppm	0.0048 ppm	0.4035 ppm
Concentration per Run 3	0.0096 ppm	1.5591 ppm	0.0314 ppm	0.1180 ppm	3.4115 ppm	0.0045 ppm	0.4020 ppm
Concentration RSD	16.5 %	5.8 %	2.7 %	0.5 %	0.5 %	5.9 %	0.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5267 ppm	153.3321 %	141.6433 %	141.0301 %	114.8045 %	99.8771 %	107.8897 %
Concentration per Run 1	0.5341 ppm	154.2066 %	141.7686 %	141.6042 %	115.5392 %	99.7622 %	107.8879 %
Concentration per Run 2	0.5247 ppm	153.1621 %	141.8204 %	140.7785 %	114.6912 %	99.6813 %	108.0300 %
Concentration per Run 3	0.5213 ppm	152.6276 %	141.3409 %	140.7077 %	114.1832 %	100.1879 %	107.7512 %
Concentration RSD	1.3 %	0.5 %	0.2 %	0.4 %	0.6 %	0.3 %	0.1 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: I2538429-02D2 WG2084485
 Analysis started at: 6/30/2025 9:43:52 AM
 Comments: <Comment>
 Rack: 1
 Vial: 8

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0610 ppm	35.2505 ppm	0.0312 ppm	0.0179 ppm	0.5817 ppm	0.0015 ppm	22.3999 ppm
Concentration per Run 1	0.0609 ppm	34.8233 ppm	0.0316 ppm	0.0181 ppm	0.5756 ppm	0.0015 ppm	22.0753 ppm
Concentration per Run 2	0.0611 ppm	35.4860 ppm	0.0315 ppm	0.0174 ppm	0.5846 ppm	0.0015 ppm	22.5443 ppm
Concentration per Run 3	0.0609 ppm	35.4420 ppm	0.0306 ppm	0.0183 ppm	0.5849 ppm	0.0015 ppm	22.5802 ppm
Concentration RSD	0.2 %	1.1 %	1.8 %	2.7 %	0.9 %	0.7 %	1.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0013 ppm	0.0309 ppm	0.0590 ppm	0.7015 ppm	41.0635 ppm	1.6212 ppm	0.0938 ppm
Concentration per Run 1	0.0013 ppm	0.0310 ppm	0.0588 ppm	0.7005 ppm	40.5276 ppm	1.5982 ppm	0.0928 ppm
Concentration per Run 2	0.0014 ppm	0.0308 ppm	0.0591 ppm	0.7031 ppm	41.3448 ppm	1.6100 ppm	0.0944 ppm
Concentration per Run 3	0.0013 ppm	0.0308 ppm	0.0590 ppm	0.7010 ppm	41.3179 ppm	1.6555 ppm	0.0943 ppm
Concentration RSD	0.6 %	0.4 %	0.3 %	0.2 %	1.1 %	1.9 %	0.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	15.2494 ppm	0.3728 ppm	0.0048 ppm	0.5452 ppm	0.0775 ppm	0.4876 ppm	-0.0001 ppm
Concentration per Run 1	15.2648 ppm	0.3674 ppm	0.0047 ppm	0.5371 ppm	0.0777 ppm	0.4880 ppm	0.0007 ppm
Concentration per Run 2	15.2187 ppm	0.3759 ppm	0.0050 ppm	0.5454 ppm	0.0774 ppm	0.4877 ppm	-0.0003 ppm
Concentration per Run 3	15.2646 ppm	0.3750 ppm	0.0047 ppm	0.5532 ppm	0.0774 ppm	0.4870 ppm	-0.0007 ppm
Concentration RSD	0.2 %	1.3 %	3.5 %	1.5 %	0.2 %	0.1 %	593.9 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0086 ppm	2.5434 ppm	0.0303 ppm	0.1162 ppm	1.3371 ppm	0.0024 ppm	0.1682 ppm
Concentration per Run 1	0.0071 ppm	2.5535 ppm	0.0311 ppm	0.1153 ppm	1.3373 ppm	0.0021 ppm	0.1683 ppm
Concentration per Run 2	0.0098 ppm	2.5371 ppm	0.0296 ppm	0.1166 ppm	1.3365 ppm	0.0024 ppm	0.1678 ppm
Concentration per Run 3	0.0091 ppm	2.5396 ppm	0.0303 ppm	0.1166 ppm	1.3376 ppm	0.0026 ppm	0.1686 ppm
Concentration RSD	16.2 %	0.3 %	2.4 %	0.7 %	0.0 %	9.3 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4969 ppm	113.6871 %	107.7896 %	107.3994 %	107.4912 %	97.1828 %	101.6277 %
Concentration per Run 1	0.4981 ppm	115.5323 %	107.5817 %	107.4420 %	109.1909 %	97.0357 %	101.3910 %
Concentration per Run 2	0.4969 ppm	112.8542 %	108.0226 %	107.3091 %	106.5611 %	97.2537 %	101.7418 %
Concentration per Run 3	0.4959 ppm	112.6748 %	107.7644 %	107.4473 %	106.7217 %	97.2590 %	101.7503 %
Concentration RSD	0.2 %	1.4 %	0.2 %	0.1 %	1.4 %	0.1 %	0.2 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: I2538429-03D2 WG2084485
 Analysis started at: 6/30/2025 9:50:06 AM
 Comments: <Comment>
 Rack: 1
 Vial: 9

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0008 ppm	151.1521 ppm	0.0698 ppm	0.0178 ppm	1.1409 ppm	0.0058 ppm	14.9317 ppm
Concentration per Run 1	0.0010 ppm	152.5411 ppm	0.0721 ppm	0.0183 ppm	1.1434 ppm	0.0058 ppm	15.0006 ppm
Concentration per Run 2	0.0011 ppm	150.9897 ppm	0.0686 ppm	0.0178 ppm	1.1443 ppm	0.0058 ppm	14.9360 ppm
Concentration per Run 3	0.0004 ppm	149.9254 ppm	0.0685 ppm	0.0173 ppm	1.1351 ppm	0.0057 ppm	14.8584 ppm
Concentration RSD	43.5 %	0.9 %	2.9 %	2.7 %	0.4 %	0.5 %	0.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0023 ppm	0.0855 ppm	0.1565 ppm	0.2455 ppm	189.6189 ppm	4.9263 ppm	0.1716 ppm
Concentration per Run 1	-0.0022 ppm	0.0877 ppm	0.1580 ppm	0.2474 ppm	191.1692 ppm	4.9337 ppm	0.1712 ppm
Concentration per Run 2	-0.0024 ppm	0.0851 ppm	0.1572 ppm	0.2457 ppm	189.3675 ppm	4.9465 ppm	0.1731 ppm
Concentration per Run 3	-0.0024 ppm	0.0836 ppm	0.1544 ppm	0.2435 ppm	188.3200 ppm	4.8986 ppm	0.1706 ppm
Concentration RSD	5.7 %	2.4 %	1.2 %	0.8 %	0.8 %	0.5 %	0.8 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	31.2290 ppm	6.9663 ppm	0.0037 ppm	3.9659 ppm	0.1380 ppm	0.2216 ppm	-0.0008 ppm
Concentration per Run 1	31.4868 ppm	6.9862 ppm	0.0037 ppm	3.9742 ppm	0.1419 ppm	0.2280 ppm	-0.0009 ppm
Concentration per Run 2	31.2524 ppm	6.9826 ppm	0.0038 ppm	3.9759 ppm	0.1373 ppm	0.2199 ppm	-0.0032 ppm
Concentration per Run 3	30.9477 ppm	6.9301 ppm	0.0036 ppm	3.9477 ppm	0.1349 ppm	0.2170 ppm	0.0017 ppm
Concentration RSD	0.9 %	0.5 %	2.6 %	0.4 %	2.6 %	2.6 %	305.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0082 ppm	1.5787 ppm	0.0200 ppm	0.1066 ppm	3.1980 ppm	0.0065 ppm	0.3792 ppm
Concentration per Run 1	0.0082 ppm	1.7218 ppm	0.0208 ppm	0.1066 ppm	3.2232 ppm	0.0063 ppm	0.3823 ppm
Concentration per Run 2	0.0080 ppm	1.5582 ppm	0.0201 ppm	0.1073 ppm	3.1982 ppm	0.0057 ppm	0.3792 ppm
Concentration per Run 3	0.0083 ppm	1.4561 ppm	0.0191 ppm	0.1058 ppm	3.1726 ppm	0.0076 ppm	0.3762 ppm
Concentration RSD	2.3 %	8.5 %	4.4 %	0.7 %	0.8 %	14.6 %	0.8 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4381 ppm	151.0444 %	139.9545 %	138.8167 %	114.0199 %	99.7097 %	107.2222 %
Concentration per Run 1	0.4492 ppm	150.9322 %	140.3159 %	140.0723 %	114.2020 %	99.7623 %	107.3163 %
Concentration per Run 2	0.4359 ppm	151.2067 %	139.8358 %	138.6670 %	113.9520 %	99.7687 %	107.2085 %
Concentration per Run 3	0.4290 ppm	150.9941 %	139.7119 %	137.7107 %	113.9056 %	99.5983 %	107.1416 %
Concentration RSD	2.3 %	0.1 %	0.2 %	0.9 %	0.1 %	0.1 %	0.1 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: I2538429-04D2 WG2084485
 Analysis started at: 6/30/2025 9:56:36 AM
 Comments: <Comment>
 Rack: 1
 Vial: 10

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0105 ppm	103.6604 ppm	0.0580 ppm	0.0277 ppm	1.1873 ppm	0.0048 ppm	50.3958 ppm
Concentration per Run 1	0.0106 ppm	103.8987 ppm	0.0587 ppm	0.0281 ppm	1.1919 ppm	0.0048 ppm	50.4311 ppm
Concentration per Run 2	0.0106 ppm	103.6058 ppm	0.0588 ppm	0.0281 ppm	1.1853 ppm	0.0048 ppm	50.3985 ppm
Concentration per Run 3	0.0101 ppm	103.4766 ppm	0.0565 ppm	0.0268 ppm	1.1846 ppm	0.0048 ppm	50.3579 ppm
Concentration RSD	2.6 %	0.2 %	2.2 %	2.6 %	0.3 %	0.1 %	0.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0070 ppm	0.1078 ppm	0.2035 ppm	0.8027 ppm	197.0507 ppm	6.3683 ppm	0.2176 ppm
Concentration per Run 1	0.0073 ppm	0.1095 ppm	0.2034 ppm	0.8079 ppm	196.7317 ppm	6.3969 ppm	0.2184 ppm
Concentration per Run 2	0.0068 ppm	0.1073 ppm	0.2042 ppm	0.8023 ppm	199.3467 ppm	6.3538 ppm	0.2176 ppm
Concentration per Run 3	0.0069 ppm	0.1066 ppm	0.2028 ppm	0.7979 ppm	195.0737 ppm	6.3542 ppm	0.2169 ppm
Concentration RSD	4.1 %	1.4 %	0.3 %	0.6 %	1.1 %	0.4 %	0.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	49.3542 ppm	5.7227 ppm	0.0044 ppm	1.1702 ppm	0.1964 ppm	5.5753 ppm	0.0009 ppm
Concentration per Run 1	49.4228 ppm	5.7276 ppm	0.0046 ppm	1.1762 ppm	0.1998 ppm	5.6557 ppm	0.0026 ppm
Concentration per Run 2	49.4522 ppm	5.7328 ppm	0.0043 ppm	1.1662 ppm	0.1955 ppm	5.5402 ppm	0.0006 ppm
Concentration per Run 3	49.1875 ppm	5.7078 ppm	0.0042 ppm	1.1682 ppm	0.1940 ppm	5.5300 ppm	-0.0004 ppm
Concentration RSD	0.3 %	0.2 %	4.0 %	0.5 %	1.5 %	1.3 %	164.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0094 ppm	2.3462 ppm	0.0451 ppm	0.1561 ppm	4.3634 ppm	0.0073 ppm	0.4909 ppm
Concentration per Run 1	0.0120 ppm	2.4196 ppm	0.0460 ppm	0.1563 ppm	4.3824 ppm	0.0076 ppm	0.4932 ppm
Concentration per Run 2	0.0105 ppm	2.3225 ppm	0.0446 ppm	0.1562 ppm	4.3651 ppm	0.0083 ppm	0.4912 ppm
Concentration per Run 3	0.0057 ppm	2.2965 ppm	0.0448 ppm	0.1557 ppm	4.3428 ppm	0.0060 ppm	0.4883 ppm
Concentration RSD	34.6 %	2.8 %	1.7 %	0.2 %	0.5 %	16.2 %	0.5 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	2.3596 ppm	150.0022 %	139.2425 %	136.9739 %	116.6343 %	101.1491 %	109.6393 %
Concentration per Run 1	2.3968 ppm	150.5227 %	139.6344 %	137.5813 %	117.1009 %	101.0288 %	109.8330 %
Concentration per Run 2	2.3425 ppm	149.9605 %	139.2158 %	136.6984 %	116.2839 %	101.3407 %	109.5873 %
Concentration per Run 3	2.3396 ppm	149.5234 %	138.8772 %	136.6420 %	116.5181 %	101.0777 %	109.4976 %
Concentration RSD	1.4 %	0.3 %	0.3 %	0.4 %	0.4 %	0.2 %	0.2 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: CCV
 Analysis started at: 6/30/2025 10:02:57 AM
 Comments: <Comment>
 Rack: 0
 Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.5235 ppm	0.5115 ppm	0.4866 ppm	0.4937 ppm	0.5063 ppm	0.5176 ppm	0.5249 ppm
Concentration per Run 1	0.5227 ppm	0.5327 ppm	0.4878 ppm	0.4925 ppm	0.5214 ppm	0.5336 ppm	0.5449 ppm
Concentration per Run 2	0.5239 ppm	0.5034 ppm	0.4854 ppm	0.4946 ppm	0.5003 ppm	0.5116 ppm	0.5145 ppm
Concentration per Run 3	0.5239 ppm	0.4984 ppm	0.4866 ppm	0.4940 ppm	0.4972 ppm	0.5076 ppm	0.5154 ppm
Recovery Percentage 1	104.698 %	102.298 %	97.318 %	98.734 %	101.262 %	103.514 %	104.980 %
Concentration RSD	0.1 %	3.6 %	0.2 %	0.2 %	2.6 %	2.7 %	3.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4955 ppm	0.5036 ppm	0.5088 ppm	0.5066 ppm	0.5677 ppm	5.2938 ppm	0.5132 ppm
Concentration per Run 1	0.4952 ppm	0.5029 ppm	0.5072 ppm	0.5068 ppm	0.5958 ppm	5.4506 ppm	0.5284 ppm
Concentration per Run 2	0.4965 ppm	0.5044 ppm	0.5094 ppm	0.5059 ppm	0.5529 ppm	5.2255 ppm	0.5071 ppm
Concentration per Run 3	0.4947 ppm	0.5034 ppm	0.5097 ppm	0.5072 ppm	0.5543 ppm	5.2052 ppm	0.5040 ppm
Recovery Percentage 1	99.094 %	100.715 %	101.755 %	101.323 %	113.536 %	105.876 %	102.634 %
Concentration RSD	0.2 %	0.2 %	0.3 %	0.1 %	4.3 %	2.6 %	2.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5303 ppm	0.5237 ppm	0.4978 ppm	10.4164 ppm	0.5127 ppm	0.5147 ppm	0.5099 ppm
Concentration per Run 1	0.5296 ppm	0.5408 ppm	0.4965 ppm	10.7207 ppm	0.5120 ppm	0.5146 ppm	0.5105 ppm
Concentration per Run 2	0.5286 ppm	0.5174 ppm	0.4984 ppm	10.2921 ppm	0.5133 ppm	0.5158 ppm	0.5077 ppm
Concentration per Run 3	0.5328 ppm	0.5129 ppm	0.4985 ppm	10.2363 ppm	0.5129 ppm	0.5137 ppm	0.5114 ppm
Recovery Percentage 1	106.069 %	104.736 %	99.554 %	104.164 %	102.550 %	102.937 %	101.972 %
Concentration RSD	0.4 %	2.9 %	0.2 %	2.5 %	0.1 %	0.2 %	0.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4968 ppm	5.5294 ppm	0.5107 ppm	0.5105 ppm	0.5119 ppm	0.5273 ppm	0.5110 ppm
Concentration per Run 1	0.4937 ppm	5.5209 ppm	0.5111 ppm	0.5249 ppm	0.5117 ppm	0.5266 ppm	0.5107 ppm
Concentration per Run 2	0.4984 ppm	5.5371 ppm	0.5114 ppm	0.5054 ppm	0.5123 ppm	0.5265 ppm	0.5115 ppm
Concentration per Run 3	0.4982 ppm	5.5303 ppm	0.5096 ppm	0.5013 ppm	0.5117 ppm	0.5289 ppm	0.5109 ppm
Recovery Percentage 1	99.352 %	105.322 %	102.137 %	102.106 %	102.379 %	105.466 %	102.206 %
Concentration RSD	0.5 %	0.1 %	0.2 %	2.5 %	0.1 %	0.3 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5039 ppm	100.3302 %	98.9008 %	99.3200 %	98.5118 %	98.3017 %	98.3103 %
Concentration per Run 1	0.5041 ppm	97.8092 %	99.1079 %	99.3745 %	95.7423 %	98.4217 %	98.5891 %
Concentration per Run 2	0.5051 ppm	101.3077 %	98.8441 %	99.2853 %	99.5673 %	98.1138 %	98.1730 %
Concentration per Run 3	0.5025 ppm	101.8736 %	98.7505 %	99.3002 %	100.2257 %	98.3697 %	98.1688 %
Recovery Percentage 1	100.781 %						
Concentration RSD	0.3 %	2.2 %	0.2 %	0.0 %	2.5 %	0.2 %	0.2 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: CCB
 Analysis started at: 6/30/2025 10:09:04 AM
 Comments: <Comment>
 Rack: 0
 Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	-0.0029 ppm	0.0012 ppm	0.0011 ppm	0.0001 ppm	0.0001 ppm	-0.0002 ppm
Concentration per Run 1	-0.0001 ppm	-0.0063 ppm	0.0014 ppm	0.0014 ppm	0.0001 ppm	0.0001 ppm	-0.0011 ppm
Concentration per Run 2	0.0000 ppm	0.0015 ppm	0.0006 ppm	0.0012 ppm	0.0001 ppm	0.0001 ppm	0.0011 ppm
Concentration per Run 3	0.0004 ppm	-0.0038 ppm	0.0014 ppm	0.0009 ppm	0.0001 ppm	0.0001 ppm	-0.0005 ppm
Recovery Percentage 1	1.148 %	-2.854 %	23.039 %	3.818 %	1.113 %	1.341 %	-0.180 %
Concentration RSD	334.7 %	140.4 %	38.3 %	24.2 %	18.4 %	24.4 %	625.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0002 ppm	0.0006 ppm	0.0023 ppm	-0.0132 ppm	-0.0014 ppm
Concentration per Run 1	0.0000 ppm	-0.0001 ppm	0.0004 ppm	0.0004 ppm	0.0019 ppm	0.0001 ppm	-0.0015 ppm
Concentration per Run 2	0.0000 ppm	0.0000 ppm	0.0002 ppm	0.0007 ppm	0.0012 ppm	-0.0250 ppm	-0.0017 ppm
Concentration per Run 3	0.0000 ppm	0.0000 ppm	0.0001 ppm	0.0006 ppm	0.0039 ppm	-0.0148 ppm	-0.0011 ppm
Recovery Percentage 1	0.452 %	-0.160 %	2.177 %	5.657 %	4.623 %	-0.528 %	-14.242 %
Concentration RSD	94.4 %	146.6 %	75.1 %	24.2 %	60.7 %	95.7 %	22.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0009 ppm	0.0001 ppm	0.0013 ppm	-0.0110 ppm	0.0001 ppm	0.0007 ppm	0.0005 ppm
Concentration per Run 1	-0.0005 ppm	0.0001 ppm	0.0015 ppm	-0.0109 ppm	0.0000 ppm	0.0003 ppm	0.0006 ppm
Concentration per Run 2	0.0015 ppm	0.0002 ppm	0.0013 ppm	-0.0137 ppm	0.0002 ppm	0.0014 ppm	0.0006 ppm
Concentration per Run 3	0.0017 ppm	0.0001 ppm	0.0009 ppm	-0.0083 ppm	0.0002 ppm	0.0006 ppm	0.0002 ppm
Recovery Percentage 1	0.890 %	1.220 %	2.538 %	-0.549 %	0.443 %	7.419 %	0.978 %
Concentration RSD	136.0 %	40.5 %	24.4 %	24.6 %	102.0 %	77.2 %	47.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0026 ppm	0.0041 ppm	-0.0003 ppm	0.0002 ppm	0.0003 ppm	-0.0012 ppm	0.0002 ppm
Concentration per Run 1	0.0007 ppm	0.0036 ppm	0.0000 ppm	0.0003 ppm	0.0003 ppm	-0.0028 ppm	0.0004 ppm
Concentration per Run 2	0.0039 ppm	0.0057 ppm	-0.0002 ppm	0.0001 ppm	0.0003 ppm	-0.0009 ppm	0.0003 ppm
Concentration per Run 3	0.0031 ppm	0.0029 ppm	-0.0006 ppm	0.0001 ppm	0.0002 ppm	0.0000 ppm	0.0001 ppm
Recovery Percentage 1	25.709 %	0.816 %	-0.610 %	1.582 %	2.628 %	-6.053 %	2.295 %
Concentration RSD	64.4 %	35.9 %	102.4 %	56.1 %	29.3 %	119.4 %	66.5 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	-0.0001 ppm	102.7991 %	100.3747 %	100.0756 %	99.7010 %	99.5480 %	98.2269 %
Concentration per Run 1	-0.0001 ppm	102.4053 %	100.2569 %	100.0916 %	99.2690 %	99.3913 %	98.1798 %
Concentration per Run 2	-0.0001 ppm	102.3935 %	100.5453 %	100.0249 %	99.7560 %	99.6440 %	98.2983 %
Concentration per Run 3	-0.0001 ppm	103.5984 %	100.3220 %	100.1102 %	100.0779 %	99.6085 %	98.2027 %
Recovery Percentage 1	-1.950 %						
Concentration RSD	24.0 %	0.7 %	0.2 %	0.0 %	0.4 %	0.1 %	0.1 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: CCV
 Analysis started at: 6/30/2025 10:25:51 AM
 Comments: <Comment>
 Rack: 0
 Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.5257 ppm	0.4719 ppm	0.4834 ppm	0.4935 ppm	0.4835 ppm	0.4974 ppm	0.4915 ppm
Concentration per Run 1	0.5253 ppm	0.4687 ppm	0.4807 ppm	0.4915 ppm	0.4749 ppm	0.4885 ppm	0.4800 ppm
Concentration per Run 2	0.5257 ppm	0.4750 ppm	0.4835 ppm	0.4934 ppm	0.4864 ppm	0.4998 ppm	0.4969 ppm
Concentration per Run 3	0.5260 ppm	0.4722 ppm	0.4862 ppm	0.4956 ppm	0.4891 ppm	0.5040 ppm	0.4975 ppm
Recovery Percentage 1	105.131 %	94.388 %	96.689 %	98.706 %	96.693 %	99.489 %	98.291 %
Concentration RSD	0.1 %	0.7 %	0.6 %	0.4 %	1.6 %	1.6 %	2.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4942 ppm	0.5023 ppm	0.5085 ppm	0.5067 ppm	0.4931 ppm	5.0975 ppm	0.4955 ppm
Concentration per Run 1	0.4933 ppm	0.5014 ppm	0.5081 ppm	0.5059 ppm	0.4821 ppm	5.0309 ppm	0.4869 ppm
Concentration per Run 2	0.4937 ppm	0.5015 ppm	0.5073 ppm	0.5076 ppm	0.4981 ppm	5.1157 ppm	0.4987 ppm
Concentration per Run 3	0.4957 ppm	0.5041 ppm	0.5100 ppm	0.5067 ppm	0.4993 ppm	5.1459 ppm	0.5009 ppm
Recovery Percentage 1	98.849 %	100.468 %	101.695 %	101.350 %	98.627 %	101.950 %	99.104 %
Concentration RSD	0.3 %	0.3 %	0.3 %	0.2 %	1.9 %	1.2 %	1.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5270 ppm	0.5012 ppm	0.4975 ppm	10.0692 ppm	0.5120 ppm	0.5133 ppm	0.5101 ppm
Concentration per Run 1	0.5249 ppm	0.4928 ppm	0.4966 ppm	9.8933 ppm	0.5113 ppm	0.5120 ppm	0.5080 ppm
Concentration per Run 2	0.5259 ppm	0.5030 ppm	0.4969 ppm	10.1325 ppm	0.5118 ppm	0.5128 ppm	0.5110 ppm
Concentration per Run 3	0.5302 ppm	0.5078 ppm	0.4989 ppm	10.1820 ppm	0.5129 ppm	0.5152 ppm	0.5115 ppm
Recovery Percentage 1	105.401 %	100.247 %	99.497 %	100.692 %	102.404 %	102.668 %	102.027 %
Concentration RSD	0.5 %	1.5 %	0.2 %	1.5 %	0.2 %	0.3 %	0.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4942 ppm	5.5071 ppm	0.5112 ppm	0.4922 ppm	0.5112 ppm	0.5275 ppm	0.5109 ppm
Concentration per Run 1	0.4915 ppm	5.4992 ppm	0.5098 ppm	0.4836 ppm	0.5106 ppm	0.5257 ppm	0.5114 ppm
Concentration per Run 2	0.4929 ppm	5.4977 ppm	0.5103 ppm	0.4944 ppm	0.5111 ppm	0.5260 ppm	0.5098 ppm
Concentration per Run 3	0.4984 ppm	5.5244 ppm	0.5135 ppm	0.4985 ppm	0.5120 ppm	0.5309 ppm	0.5115 ppm
Recovery Percentage 1	98.845 %	104.897 %	102.239 %	98.430 %	102.248 %	105.507 %	102.176 %
Concentration RSD	0.7 %	0.3 %	0.4 %	1.6 %	0.1 %	0.6 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5024 ppm	104.5036 %	98.6828 %	98.7488 %	101.2768 %	97.8701 %	97.9108 %
Concentration per Run 1	0.5011 ppm	106.7730 %	98.5755 %	98.7720 %	102.6778 %	98.0914 %	97.8680 %
Concentration per Run 2	0.5018 ppm	103.6263 %	98.9485 %	98.6908 %	101.0072 %	98.0323 %	98.0946 %
Concentration per Run 3	0.5042 ppm	103.1115 %	98.5244 %	98.7838 %	100.1453 %	97.4864 %	97.7699 %
Recovery Percentage 1	100.473 %						
Concentration RSD	0.3 %	1.9 %	0.2 %	0.1 %	1.3 %	0.3 %	0.2 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: CCB
Analysis started at: 6/30/2025 10:31:58 AM
Comments: <Comment>
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	-0.0027 ppm	0.0012 ppm	0.0014 ppm	0.0000 ppm	0.0000 ppm	0.0021 ppm
Concentration per Run 1	-0.0001 ppm	-0.0039 ppm	0.0015 ppm	0.0017 ppm	-0.0001 ppm	0.0001 ppm	0.0001 ppm
Concentration per Run 2	-0.0002 ppm	-0.0046 ppm	0.0007 ppm	0.0011 ppm	0.0001 ppm	0.0000 ppm	0.0009 ppm
Concentration per Run 3	0.0002 ppm	0.0005 ppm	0.0013 ppm	0.0013 ppm	-0.0001 ppm	0.0000 ppm	0.0054 ppm
Recovery Percentage 1	-0.359 %	-2.684 %	23.628 %	4.631 %	-0.488 %	0.911 %	2.113 %
Concentration RSD	821.0 %	103.4 %	33.0 %	22.7 %	237.7 %	56.3 %	134.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0001 ppm	0.0004 ppm	0.0015 ppm	-0.0183 ppm	-0.0019 ppm
Concentration per Run 1	0.0000 ppm	0.0001 ppm	0.0001 ppm	0.0005 ppm	0.0009 ppm	-0.0238 ppm	-0.0015 ppm
Concentration per Run 2	0.0000 ppm	0.0000 ppm	0.0001 ppm	0.0003 ppm	0.0027 ppm	-0.0175 ppm	-0.0019 ppm
Concentration per Run 3	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0006 ppm	0.0011 ppm	-0.0135 ppm	-0.0021 ppm
Recovery Percentage 1	0.162 %	0.220 %	0.727 %	4.425 %	3.074 %	-0.732 %	-18.684 %
Concentration RSD	527.3 %	84.5 %	44.4 %	27.2 %	63.7 %	28.3 %	16.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0008 ppm	0.0000 ppm	0.0014 ppm	-0.0131 ppm	0.0001 ppm	0.0002 ppm	-0.0005 ppm
Concentration per Run 1	0.0012 ppm	0.0002 ppm	0.0016 ppm	-0.0094 ppm	0.0000 ppm	0.0005 ppm	-0.0002 ppm
Concentration per Run 2	0.0000 ppm	-0.0003 ppm	0.0013 ppm	-0.0143 ppm	0.0004 ppm	0.0000 ppm	0.0005 ppm
Concentration per Run 3	0.0012 ppm	0.0000 ppm	0.0012 ppm	-0.0155 ppm	-0.0001 ppm	0.0000 ppm	-0.0017 ppm
Recovery Percentage 1	0.805 %	-0.230 %	2.740 %	-0.653 %	0.404 %	1.882 %	-0.949 %
Concentration RSD	83.1 %	985.9 %	15.3 %	24.8 %	269.8 %	164.0 %	242.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0018 ppm	0.0011 ppm	-0.0004 ppm	0.0001 ppm	0.0002 ppm	-0.0013 ppm	0.0000 ppm
Concentration per Run 1	0.0025 ppm	0.0022 ppm	-0.0008 ppm	0.0001 ppm	0.0000 ppm	-0.0019 ppm	-0.0002 ppm
Concentration per Run 2	0.0003 ppm	0.0009 ppm	-0.0001 ppm	-0.0001 ppm	0.0003 ppm	-0.0001 ppm	0.0001 ppm
Concentration per Run 3	0.0026 ppm	0.0004 ppm	-0.0003 ppm	0.0002 ppm	0.0004 ppm	-0.0018 ppm	0.0001 ppm
Recovery Percentage 1	18.073 %	0.230 %	-0.827 %	0.716 %	2.325 %	-6.358 %	0.138 %
Concentration RSD	71.4 %	79.7 %	95.6 %	216.1 %	97.3 %	78.0 %	1,112.5 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0000 ppm	101.8048 %	100.1730 %	99.9967 %	97.8042 %	99.6644 %	97.8786 %
Concentration per Run 1	0.0000 ppm	101.1686 %	100.0024 %	99.8247 %	97.3060 %	99.5774 %	97.5808 %
Concentration per Run 2	0.0001 ppm	101.7694 %	100.3543 %	100.0981 %	97.6596 %	99.4980 %	98.2263 %
Concentration per Run 3	-0.0001 ppm	102.4762 %	100.1624 %	100.0673 %	98.4469 %	99.9177 %	97.8288 %
Recovery Percentage 1	0.008 %						
Concentration RSD	22,692.9 %	0.6 %	0.2 %	0.1 %	0.6 %	0.2 %	0.3 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: L2535700-02d2 WG2078476
 Analysis started at: 6/30/2025 11:41:48 AM
 Comments: <Comment>
 Rack: 1
 Vial: 23

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0002 ppm	17.9329 ppm	0.0081 ppm	0.1833 ppm	0.4187 ppm	0.0019 ppm	40.9477 ppm
Concentration per Run 1	-0.0004 ppm	18.1546 ppm	0.0086 ppm	0.1836 ppm	0.4242 ppm	0.0020 ppm	41.4927 ppm
Concentration per Run 2	-0.0002 ppm	17.9069 ppm	0.0075 ppm	0.1829 ppm	0.4177 ppm	0.0019 ppm	40.8612 ppm
Concentration per Run 3	0.0000 ppm	17.7373 ppm	0.0083 ppm	0.1832 ppm	0.4143 ppm	0.0019 ppm	40.4892 ppm
Concentration RSD	96.0 %	1.2 %	6.6 %	0.2 %	1.2 %	1.8 %	1.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0282 ppm	0.0501 ppm	0.0557 ppm	114.0327 ppm	10.7906 ppm	0.0145 ppm
Concentration per Run 1	-0.0001 ppm	0.0284 ppm	0.0497 ppm	0.0557 ppm	114.7214 ppm	10.9425 ppm	0.0148 ppm
Concentration per Run 2	-0.0002 ppm	0.0280 ppm	0.0504 ppm	0.0560 ppm	114.7912 ppm	10.7447 ppm	0.0146 ppm
Concentration per Run 3	-0.0002 ppm	0.0284 ppm	0.0503 ppm	0.0554 ppm	112.5856 ppm	10.6847 ppm	0.0142 ppm
Concentration RSD	42.0 %	0.8 %	0.8 %	0.5 %	1.1 %	1.3 %	2.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	16.1068 ppm	1.8311 ppm	-0.0007 ppm	21.8021 ppm	0.0225 ppm	0.1486 ppm	-0.0014 ppm
Concentration per Run 1	16.0991 ppm	1.8574 ppm	-0.0005 ppm	22.0928 ppm	0.0224 ppm	0.1490 ppm	-0.0005 ppm
Concentration per Run 2	16.1207 ppm	1.8254 ppm	-0.0005 ppm	21.7428 ppm	0.0228 ppm	0.1487 ppm	-0.0036 ppm
Concentration per Run 3	16.1007 ppm	1.8105 ppm	-0.0009 ppm	21.5708 ppm	0.0223 ppm	0.1481 ppm	-0.0003 ppm
Concentration RSD	0.1 %	1.3 %	34.8 %	1.2 %	1.0 %	0.3 %	126.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0019 ppm	21.7654 [SIC 200]	0.0022 ppm	0.2045 ppm	0.0983 ppm	0.0018 ppm	0.0813 ppm
Concentration per Run 1	0.0017 ppm	21.8121 ppm	0.0021 ppm	0.2073 ppm	0.0985 ppm	0.0005 ppm	0.0816 ppm
Concentration per Run 2	0.0024 ppm	21.7404 ppm	0.0023 ppm	0.2039 ppm	0.0983 ppm	0.0033 ppm	0.0811 ppm
Concentration per Run 3	0.0015 ppm	21.7438 ppm	0.0023 ppm	0.2024 ppm	0.0983 ppm	0.0017 ppm	0.0813 ppm
Concentration RSD	25.9 %	0.2 %	6.4 %	1.2 %	0.1 %	75.4 %	0.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.3805 ppm	117.8375 %	108.5171 %	107.8443 %	104.2287 %	92.8283 %	96.6633 %
Concentration per Run 1	0.3809 ppm	116.8252 %	108.5624 %	107.9878 %	103.4442 %	92.7717 %	96.7151 %
Concentration per Run 2	0.3795 ppm	117.7032 %	108.5510 %	107.9553 %	104.1976 %	92.9616 %	96.5986 %
Concentration per Run 3	0.3812 ppm	118.9841 %	108.4379 %	107.5899 %	105.0445 %	92.7517 %	96.6763 %
Concentration RSD	0.2 %	0.9 %	0.1 %	0.2 %	0.8 %	0.1 %	0.1 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: L2535761-01 WG2079886
 Analysis started at: 6/30/2025 11:48:08 AM
 Comments: <Comment>
 Rack: 1
 Vial: 24

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.0170 ppm	0.0009 ppm	0.0064 ppm	0.0001 ppm	0.0000 ppm	0.0228 ppm
Concentration per Run 1	-0.0001 ppm	0.0136 ppm	0.0011 ppm	0.0062 ppm	0.0001 ppm	0.0000 ppm	0.0234 ppm
Concentration per Run 2	0.0002 ppm	0.0174 ppm	0.0004 ppm	0.0064 ppm	0.0001 ppm	0.0000 ppm	0.0225 ppm
Concentration per Run 3	-0.0003 ppm	0.0201 ppm	0.0013 ppm	0.0068 ppm	0.0002 ppm	0.0000 ppm	0.0225 ppm
Concentration RSD	293.2 %	19.1 %	49.5 %	4.4 %	37.7 %	50.3 %	2.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0001 ppm	0.0383 ppm	0.0451 ppm	0.0043 ppm	-0.0015 ppm
Concentration per Run 1	0.0000 ppm	-0.0001 ppm	0.0003 ppm	0.0384 ppm	0.0454 ppm	0.0073 ppm	-0.0025 ppm
Concentration per Run 2	0.0000 ppm	0.0001 ppm	0.0001 ppm	0.0382 ppm	0.0457 ppm	0.0019 ppm	-0.0009 ppm
Concentration per Run 3	0.0000 ppm	-0.0001 ppm	0.0001 ppm	0.0382 ppm	0.0442 ppm	0.0035 ppm	-0.0011 ppm
Concentration RSD	54.4 %	1,403.4 %	94.7 %	0.2 %	1.7 %	65.5 %	56.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0054 ppm	0.0033 ppm	-0.0001 ppm	45.7061 ppm	0.0004 ppm	0.0002 ppm	0.0001 ppm
Concentration per Run 1	0.0046 ppm	0.0032 ppm	-0.0003 ppm	45.8468 ppm	0.0004 ppm	0.0000 ppm	-0.0005 ppm
Concentration per Run 2	0.0063 ppm	0.0032 ppm	0.0000 ppm	45.8376 ppm	0.0004 ppm	0.0002 ppm	0.0005 ppm
Concentration per Run 3	0.0051 ppm	0.0034 ppm	-0.0001 ppm	45.4339 ppm	0.0004 ppm	0.0003 ppm	0.0002 ppm
Concentration RSD	16.4 %	3.0 %	144.3 %	0.5 %	11.2 %	77.5 %	540.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0002 ppm	1.6470 ppm	-0.0002 ppm	0.0002 ppm	0.0002 ppm	-0.0015 ppm	0.0001 ppm
Concentration per Run 1	-0.0014 ppm	1.6434 ppm	-0.0006 ppm	0.0001 ppm	0.0001 ppm	-0.0009 ppm	0.0000 ppm
Concentration per Run 2	0.0013 ppm	1.6409 ppm	0.0000 ppm	0.0001 ppm	0.0002 ppm	-0.0008 ppm	0.0001 ppm
Concentration per Run 3	-0.0006 ppm	1.6566 ppm	-0.0001 ppm	0.0002 ppm	0.0002 ppm	-0.0026 ppm	0.0001 ppm
Concentration RSD	558.4 %	0.5 %	134.6 %	24.0 %	56.5 %	67.5 %	59.9 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0008 ppm	100.8782 %	97.2692 %	97.2995 %	98.8197 %	97.1376 %	97.2349 %
Concentration per Run 1	0.0008 ppm	100.8067 %	97.0818 %	97.7133 %	98.5700 %	97.4226 %	97.0906 %
Concentration per Run 2	0.0008 ppm	100.4003 %	97.4986 %	97.5102 %	98.4586 %	97.4552 %	97.5691 %
Concentration per Run 3	0.0009 ppm	101.4277 %	97.2271 %	96.6751 %	99.4307 %	96.5351 %	97.0449 %
Concentration RSD	4.8 %	0.5 %	0.2 %	0.6 %	0.5 %	0.5 %	0.3 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: WG2079886-7 WG2079886
 Analysis started at: 6/30/2025 11:54:32 AM
 Comments: <Comment>
 Rack: 1
 Vial: 25

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0551 ppm	2.1325 ppm	0.1277 ppm	1.0296 ppm	2.0713 ppm	0.0522 ppm	10.1995 ppm
Concentration per Run 1	0.0550 ppm	2.1389 ppm	0.1268 ppm	1.0261 ppm	2.0784 ppm	0.0522 ppm	10.2075 ppm
Concentration per Run 2	0.0551 ppm	2.1329 ppm	0.1284 ppm	1.0314 ppm	2.0870 ppm	0.0521 ppm	10.1848 ppm
Concentration per Run 3	0.0551 ppm	2.1257 ppm	0.1279 ppm	1.0313 ppm	2.0485 ppm	0.0522 ppm	10.2063 ppm
Concentration RSD	0.1 %	0.3 %	0.6 %	0.3 %	1.0 %	0.1 %	0.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0546 ppm	0.5091 ppm	0.2087 ppm	0.2976 ppm	1.0888 ppm	11.0543 ppm	-0.0007 ppm
Concentration per Run 1	0.0546 ppm	0.5085 ppm	0.2082 ppm	0.2970 ppm	1.0876 ppm	11.1122 ppm	-0.0018 ppm
Concentration per Run 2	0.0546 ppm	0.5090 ppm	0.2090 ppm	0.2974 ppm	1.0900 ppm	11.0229 ppm	-0.0005 ppm
Concentration per Run 3	0.0546 ppm	0.5098 ppm	0.2089 ppm	0.2984 ppm	1.0889 ppm	11.0279 ppm	0.0003 ppm
Concentration RSD	0.1 %	0.1 %	0.2 %	0.2 %	0.1 %	0.5 %	156.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	10.3563 ppm	0.5224 ppm	0.9919 ppm	55.7948 ppm	0.5189 ppm	0.5420 ppm	0.4790 ppm
Concentration per Run 1	10.3321 ppm	0.5244 ppm	0.9871 ppm	55.8752 ppm	0.5181 ppm	0.5416 ppm	0.4746 ppm
Concentration per Run 2	10.3865 ppm	0.5209 ppm	0.9932 ppm	55.8161 ppm	0.5196 ppm	0.5421 ppm	0.4794 ppm
Concentration per Run 3	10.3504 ppm	0.5220 ppm	0.9956 ppm	55.6931 ppm	0.5188 ppm	0.5424 ppm	0.4829 ppm
Concentration RSD	0.3 %	0.3 %	0.4 %	0.2 %	0.1 %	0.1 %	0.9 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1261 ppm	2.7924 ppm	0.9826 ppm	1.0384 ppm	1.0397 ppm	0.1219 ppm	0.5304 ppm
Concentration per Run 1	0.1263 ppm	2.7840 ppm	0.9812 ppm	1.0405 ppm	1.0388 ppm	0.1210 ppm	0.5296 ppm
Concentration per Run 2	0.1257 ppm	2.7950 ppm	0.9827 ppm	1.0378 ppm	1.0402 ppm	0.1225 ppm	0.5309 ppm
Concentration per Run 3	0.1262 ppm	2.7983 ppm	0.9840 ppm	1.0369 ppm	1.0399 ppm	0.1221 ppm	0.5306 ppm
Concentration RSD	0.2 %	0.3 %	0.1 %	0.2 %	0.1 %	0.6 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5238 ppm	102.0881 %	96.2626 %	96.4117 %	100.3299 %	95.9433 %	96.4972 %
Concentration per Run 1	0.5237 ppm	101.8636 %	96.4701 %	96.5176 %	99.9933 %	96.0895 %	96.5866 %
Concentration per Run 2	0.5235 ppm	102.5751 %	96.3100 %	96.3381 %	100.5010 %	95.9247 %	96.5150 %
Concentration per Run 3	0.5241 ppm	101.8256 %	96.0076 %	96.3794 %	100.4953 %	95.8157 %	96.3902 %
Concentration RSD	0.1 %	0.4 %	0.2 %	0.1 %	0.3 %	0.1 %	0.1 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: WG2079886-8 WG2079886
 Analysis started at: 6/30/2025 12:00:42 PM
 Comments: <Comment>
 Rack: 1
 Vial: 26

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0186 ppm	0.0006 ppm	0.0074 ppm	0.0002 ppm	0.0001 ppm	0.0243 ppm
Concentration per Run 1	0.0000 ppm	0.0204 ppm	0.0000 ppm	0.0073 ppm	0.0003 ppm	0.0000 ppm	0.0266 ppm
Concentration per Run 2	0.0003 ppm	0.0220 ppm	0.0009 ppm	0.0073 ppm	0.0002 ppm	0.0000 ppm	0.0228 ppm
Concentration per Run 3	-0.0001 ppm	0.0133 ppm	0.0008 ppm	0.0074 ppm	0.0001 ppm	0.0001 ppm	0.0236 ppm
Concentration RSD	236.2 %	24.9 %	81.6 %	1.0 %	63.3 %	22.9 %	8.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0001 ppm	0.0002 ppm	0.0389 ppm	0.0376 ppm	0.0276 ppm	-0.0004 ppm
Concentration per Run 1	0.0000 ppm	0.0001 ppm	0.0003 ppm	0.0389 ppm	0.0380 ppm	0.0091 ppm	-0.0007 ppm
Concentration per Run 2	-0.0001 ppm	0.0000 ppm	0.0003 ppm	0.0391 ppm	0.0369 ppm	0.0387 ppm	-0.0009 ppm
Concentration per Run 3	0.0000 ppm	0.0001 ppm	0.0001 ppm	0.0388 ppm	0.0379 ppm	0.0349 ppm	0.0004 ppm
Concentration RSD	202.5 %	30.6 %	62.5 %	0.4 %	1.6 %	58.4 %	185.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0059 ppm	0.0056 ppm	0.0051 ppm	48.2029 ppm	0.0002 ppm	0.0004 ppm	0.0080 ppm
Concentration per Run 1	0.0077 ppm	0.0057 ppm	0.0058 ppm	49.3566 ppm	0.0001 ppm	0.0003 ppm	0.0077 ppm
Concentration per Run 2	0.0059 ppm	0.0056 ppm	0.0051 ppm	47.7883 ppm	0.0003 ppm	0.0010 ppm	0.0087 ppm
Concentration per Run 3	0.0043 ppm	0.0055 ppm	0.0044 ppm	47.4639 ppm	0.0001 ppm	0.0000 ppm	0.0076 ppm
Concentration RSD	28.0 %	1.5 %	13.9 %	2.1 %	66.0 %	124.9 %	7.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0007 ppm	1.6683 ppm	0.0035 ppm	0.0001 ppm	0.0005 ppm	-0.0003 ppm	0.0002 ppm
Concentration per Run 1	-0.0009 ppm	1.6641 ppm	0.0039 ppm	0.0001 ppm	0.0004 ppm	-0.0003 ppm	0.0002 ppm
Concentration per Run 2	0.0030 ppm	1.6720 ppm	0.0038 ppm	0.0000 ppm	0.0008 ppm	0.0010 ppm	0.0003 ppm
Concentration per Run 3	-0.0001 ppm	1.6689 ppm	0.0028 ppm	0.0001 ppm	0.0004 ppm	-0.0016 ppm	0.0003 ppm
Concentration RSD	311.9 %	0.2 %	18.1 %	86.7 %	44.2 %	471.2 %	27.6 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0014 ppm	101.1660 %	96.9751 %	97.1690 %	98.7994 %	97.2924 %	96.8982 %
Concentration per Run 1	0.0014 ppm	99.3914 %	97.1878 %	97.4796 %	96.6877 %	97.5245 %	97.2322 %
Concentration per Run 2	0.0013 ppm	101.7945 %	97.1005 %	97.1577 %	99.7185 %	97.0591 %	96.8644 %
Concentration per Run 3	0.0013 ppm	102.3122 %	96.6370 %	96.8696 %	99.9920 %	97.2938 %	96.5982 %
Concentration RSD	3.1 %	1.5 %	0.3 %	0.3 %	1.9 %	0.2 %	0.3 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: WG2079886-9 WG2079886
 Analysis started at: 6/30/2025 12:07:03 PM
 Comments: <Comment>
 Rack: 1
 Vial: 27

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0568 ppm	2.1583 ppm	0.1194 ppm	0.9852 ppm	2.1083 ppm	0.0530 ppm	9.7064 ppm
Concentration per Run 1	0.0570 ppm	2.1549 ppm	0.1189 ppm	0.9828 ppm	2.0899 ppm	0.0530 ppm	9.7139 ppm
Concentration per Run 2	0.0567 ppm	2.1541 ppm	0.1198 ppm	0.9880 ppm	2.1139 ppm	0.0529 ppm	9.7034 ppm
Concentration per Run 3	0.0567 ppm	2.1658 ppm	0.1194 ppm	0.9850 ppm	2.1210 ppm	0.0531 ppm	9.7020 ppm
Concentration RSD	0.3 %	0.3 %	0.4 %	0.3 %	0.8 %	0.2 %	0.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0503 ppm	0.5199 ppm	0.2130 ppm	0.3034 ppm	1.1055 ppm	10.5434 ppm	-0.0010 ppm
Concentration per Run 1	0.0502 ppm	0.5193 ppm	0.2126 ppm	0.3037 ppm	1.1063 ppm	10.5611 ppm	-0.0006 ppm
Concentration per Run 2	0.0505 ppm	0.5212 ppm	0.2132 ppm	0.3033 ppm	1.1051 ppm	10.5509 ppm	-0.0010 ppm
Concentration per Run 3	0.0503 ppm	0.5194 ppm	0.2132 ppm	0.3033 ppm	1.1051 ppm	10.5181 ppm	-0.0013 ppm
Concentration RSD	0.3 %	0.2 %	0.2 %	0.1 %	0.1 %	0.2 %	36.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	9.8966 ppm	0.5328 ppm	0.9461 ppm	53.8581 ppm	0.5295 ppm	0.5116 ppm	0.3904 ppm
Concentration per Run 1	9.9014 ppm	0.5331 ppm	0.9403 ppm	53.9250 ppm	0.5287 ppm	0.5110 ppm	0.3765 ppm
Concentration per Run 2	9.9126 ppm	0.5314 ppm	0.9499 ppm	53.8189 ppm	0.5306 ppm	0.5118 ppm	0.3918 ppm
Concentration per Run 3	9.8759 ppm	0.5338 ppm	0.9479 ppm	53.8305 ppm	0.5292 ppm	0.5119 ppm	0.4029 ppm
Concentration RSD	0.2 %	0.2 %	0.5 %	0.1 %	0.2 %	0.1 %	3.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1165 ppm	2.4678 ppm	0.9577 ppm	0.9820 ppm	0.9979 ppm	0.1149 ppm	0.5421 ppm
Concentration per Run 1	0.1176 ppm	2.4629 ppm	0.9539 ppm	0.9850 ppm	0.9984 ppm	0.1137 ppm	0.5418 ppm
Concentration per Run 2	0.1156 ppm	2.4759 ppm	0.9609 ppm	0.9814 ppm	0.9980 ppm	0.1162 ppm	0.5433 ppm
Concentration per Run 3	0.1164 ppm	2.4645 ppm	0.9583 ppm	0.9795 ppm	0.9972 ppm	0.1147 ppm	0.5412 ppm
Concentration RSD	0.9 %	0.3 %	0.4 %	0.3 %	0.1 %	1.1 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5335 ppm	102.0607 %	96.0935 %	96.3905 %	100.8321 %	96.2539 %	96.2559 %
Concentration per Run 1	0.5328 ppm	102.3488 %	96.1767 %	96.4302 %	101.2155 %	96.4707 %	96.2758 %
Concentration per Run 2	0.5349 ppm	102.1104 %	96.1650 %	96.3184 %	100.7688 %	96.0051 %	96.2533 %
Concentration per Run 3	0.5329 ppm	101.7230 %	95.9387 %	96.4229 %	100.5120 %	96.2858 %	96.2386 %
Concentration RSD	0.2 %	0.3 %	0.1 %	0.1 %	0.4 %	0.2 %	0.0 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: WG2079886-10d5 WG2079886
 Analysis started at: 6/30/2025 12:13:15 PM
 Comments: <Comment>
 Rack: 1
 Vial: 28

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	-0.0024 ppm	0.0004 ppm	0.0033 ppm	0.0000 ppm	0.0000 ppm	0.0129 ppm
Concentration per Run 1	0.0001 ppm	-0.0009 ppm	0.0014 ppm	0.0034 ppm	0.0001 ppm	0.0000 ppm	0.0097 ppm
Concentration per Run 2	-0.0001 ppm	-0.0054 ppm	0.0000 ppm	0.0032 ppm	0.0000 ppm	0.0000 ppm	0.0158 ppm
Concentration per Run 3	-0.0001 ppm	-0.0010 ppm	-0.0002 ppm	0.0032 ppm	-0.0001 ppm	0.0001 ppm	0.0133 ppm
Concentration RSD	5,352.9 %	106.0 %	237.6 %	3.8 %	1,752.7 %	52.0 %	23.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	-0.0002 ppm	0.0081 ppm	0.0090 ppm	0.0221 ppm	-0.0001 ppm
Concentration per Run 1	0.0000 ppm	0.0001 ppm	-0.0003 ppm	0.0079 ppm	0.0091 ppm	0.0206 ppm	0.0005 ppm
Concentration per Run 2	0.0000 ppm	0.0000 ppm	-0.0002 ppm	0.0082 ppm	0.0089 ppm	0.0236 ppm	-0.0006 ppm
Concentration per Run 3	0.0000 ppm	-0.0002 ppm	0.0000 ppm	0.0080 ppm	0.0089 ppm	0.0221 ppm	-0.0002 ppm
Concentration RSD	23.1 %	5,541.2 %	101.4 %	2.0 %	1.3 %	6.8 %	656.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0038 ppm	0.0010 ppm	0.0066 ppm	9.0549 ppm	0.0002 ppm	0.0004 ppm	0.0284 ppm
Concentration per Run 1	0.0033 ppm	0.0008 ppm	0.0076 ppm	9.0399 ppm	0.0001 ppm	0.0002 ppm	0.0330 ppm
Concentration per Run 2	0.0038 ppm	0.0009 ppm	0.0063 ppm	9.0788 ppm	0.0001 ppm	0.0014 ppm	0.0279 ppm
Concentration per Run 3	0.0041 ppm	0.0011 ppm	0.0059 ppm	9.0461 ppm	0.0003 ppm	-0.0004 ppm	0.0243 ppm
Concentration RSD	10.9 %	18.3 %	13.0 %	0.2 %	84.5 %	218.9 %	15.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0014 ppm	0.3272 ppm	0.0066 ppm	0.0001 ppm	0.0007 ppm	-0.0014 ppm	0.0001 ppm
Concentration per Run 1	-0.0004 ppm	0.3271 ppm	0.0070 ppm	0.0000 ppm	0.0006 ppm	-0.0007 ppm	0.0001 ppm
Concentration per Run 2	0.0037 ppm	0.3270 ppm	0.0066 ppm	0.0001 ppm	0.0005 ppm	-0.0018 ppm	0.0000 ppm
Concentration per Run 3	0.0008 ppm	0.3274 ppm	0.0061 ppm	0.0001 ppm	0.0008 ppm	-0.0016 ppm	0.0001 ppm
Concentration RSD	153.4 %	0.1 %	6.7 %	45.4 %	20.4 %	44.5 %	73.0 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0003 ppm	102.3846 %	98.2614 %	98.1617 %	99.7058 %	98.9097 %	97.9129 %
Concentration per Run 1	0.0004 ppm	103.1622 %	98.1341 %	98.2025 %	100.5306 %	98.9976 %	97.9796 %
Concentration per Run 2	0.0003 ppm	101.5441 %	98.2347 %	98.1087 %	98.7614 %	98.9281 %	97.8503 %
Concentration per Run 3	0.0003 ppm	102.4476 %	98.4152 %	98.1738 %	99.8253 %	98.8033 %	97.9087 %
Concentration RSD	9.7 %	0.8 %	0.1 %	0.0 %	0.9 %	0.1 %	0.1 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: L2534177-01 WG2079886
 Analysis started at: 6/30/2025 12:19:38 PM
 Comments: <Comment>
 Rack: 1
 Vial: 29

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0003 ppm	0.2067 ppm	0.0228 ppm	7.0724 [SIC 20]	0.4205 ppm	0.0000 ppm	334.5753 ppm
Concentration per Run 1	0.0006 ppm	0.2057 ppm	0.0229 ppm	7.0444 ppm	0.4223 ppm	0.0000 ppm	336.6646 ppm
Concentration per Run 2	0.0003 ppm	0.2069 ppm	0.0252 ppm	7.0773 ppm	0.4201 ppm	0.0000 ppm	333.6848 ppm
Concentration per Run 3	0.0000 ppm	0.2075 ppm	0.0203 ppm	7.0956 ppm	0.4192 ppm	0.0000 ppm	333.3766 ppm
Concentration RSD	87.4 %	0.4 %	10.7 %	0.4 %	0.4 %	91.5 %	0.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0012 ppm	0.0200 ppm	0.0564 ppm	0.0907 ppm	2.6332 ppm	599.2507 ppm	0.3250 ppm
Concentration per Run 1	-0.0012 ppm	0.0198 ppm	0.0566 ppm	0.0906 ppm	2.6383 ppm	612.6045 ppm	0.3256 ppm
Concentration per Run 2	-0.0011 ppm	0.0200 ppm	0.0567 ppm	0.0905 ppm	2.6270 ppm	599.1136 ppm	0.3243 ppm
Concentration per Run 3	-0.0012 ppm	0.0201 ppm	0.0559 ppm	0.0910 ppm	2.6344 ppm	586.0340 ppm	0.3250 ppm
Concentration RSD	3.3 %	0.7 %	0.8 %	0.3 %	0.2 %	2.2 %	0.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	159.2452 ppm	1.1815 ppm	0.0063 ppm	991.3618 [SIC 500]	0.1005 ppm	0.0027 ppm	0.0180 ppm
Concentration per Run 1	158.9131 ppm	1.1869 ppm	0.0064 ppm	1,071.2637 ppm	0.1004 ppm	0.0027 ppm	0.0184 ppm
Concentration per Run 2	158.7958 ppm	1.1798 ppm	0.0062 ppm	971.9661 ppm	0.1002 ppm	0.0025 ppm	0.0167 ppm
Concentration per Run 3	160.0268 ppm	1.1779 ppm	0.0062 ppm	930.8555 ppm	0.1008 ppm	0.0028 ppm	0.0190 ppm
Concentration RSD	0.4 %	0.4 %	1.5 %	7.3 %	0.3 %	4.4 %	6.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0025 ppm	15.7838 ppm	0.0043 ppm	3.0153 ppm	0.0111 ppm	-0.0070 ppm	0.0089 ppm
Concentration per Run 1	-0.0066 ppm	15.7230 ppm	0.0038 ppm	3.0219 ppm	0.0112 ppm	-0.0081 ppm	0.0090 ppm
Concentration per Run 2	-0.0004 ppm	15.7914 ppm	0.0045 ppm	3.0461 ppm	0.0111 ppm	-0.0033 ppm	0.0089 ppm
Concentration per Run 3	-0.0005 ppm	15.8370 ppm	0.0047 ppm	2.9779 ppm	0.0110 ppm	-0.0097 ppm	0.0089 ppm
Concentration RSD	139.2 %	0.4 %	10.5 %	1.1 %	0.8 %	47.4 %	0.6 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.2106 ppm	96.2350 %	77.9852 %	78.7386 %	93.1432 %	69.6412 %	77.8142 %
Concentration per Run 1	0.2104 ppm	96.3416 %	77.9612 %	78.9850 %	92.9888 %	69.9824 %	77.7631 %
Concentration per Run 2	0.2101 ppm	95.9486 %	78.0038 %	78.6834 %	93.0956 %	69.5295 %	77.8023 %
Concentration per Run 3	0.2112 ppm	96.4150 %	77.9907 %	78.5472 %	93.3453 %	69.4118 %	77.8773 %
Concentration RSD	0.3 %	0.3 %	0.0 %	0.3 %	0.2 %	0.4 %	0.1 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: L2535813-01 WG2079886
 Analysis started at: 6/30/2025 12:26:33 PM
 Comments: <Comment>
 Rack: 1
 Vial: 30

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.0188 ppm	0.0007 ppm	0.0147 ppm	0.0001 ppm	0.0000 ppm	0.0340 ppm
Concentration per Run 1	-0.0002 ppm	0.0194 ppm	-0.0001 ppm	0.0153 ppm	0.0001 ppm	0.0000 ppm	0.0317 ppm
Concentration per Run 2	0.0001 ppm	0.0202 ppm	0.0006 ppm	0.0147 ppm	0.0001 ppm	0.0000 ppm	0.0348 ppm
Concentration per Run 3	-0.0002 ppm	0.0168 ppm	0.0016 ppm	0.0141 ppm	0.0001 ppm	0.0000 ppm	0.0355 ppm
Concentration RSD	191.6 %	9.4 %	127.2 %	4.2 %	8.8 %	12.7 %	6.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0003 ppm	0.0320 ppm	0.0415 ppm	0.3951 ppm	0.0001 ppm
Concentration per Run 1	0.0000 ppm	0.0000 ppm	0.0002 ppm	0.0323 ppm	0.0412 ppm	0.3992 ppm	-0.0007 ppm
Concentration per Run 2	0.0000 ppm	0.0001 ppm	0.0001 ppm	0.0319 ppm	0.0414 ppm	0.3749 ppm	0.0004 ppm
Concentration per Run 3	0.0000 ppm	0.0000 ppm	0.0005 ppm	0.0319 ppm	0.0419 ppm	0.4111 ppm	0.0006 ppm
Concentration RSD	1,084.9 %	215.5 %	92.7 %	0.7 %	0.8 %	4.7 %	872.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0137 ppm	0.0047 ppm	0.0011 ppm	43.5047 ppm	0.0002 ppm	0.0003 ppm	0.0025 ppm
Concentration per Run 1	0.0124 ppm	0.0048 ppm	0.0010 ppm	43.4054 ppm	0.0001 ppm	-0.0003 ppm	0.0020 ppm
Concentration per Run 2	0.0161 ppm	0.0048 ppm	0.0013 ppm	43.4288 ppm	0.0003 ppm	0.0008 ppm	0.0028 ppm
Concentration per Run 3	0.0127 ppm	0.0045 ppm	0.0011 ppm	43.6800 ppm	0.0001 ppm	0.0003 ppm	0.0028 ppm
Concentration RSD	15.1 %	2.9 %	14.7 %	0.3 %	59.6 %	199.5 %	18.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0002 ppm	1.7009 ppm	0.0005 ppm	0.0002 ppm	0.0005 ppm	-0.0002 ppm	0.0001 ppm
Concentration per Run 1	0.0006 ppm	1.7045 ppm	0.0000 ppm	0.0003 ppm	0.0005 ppm	-0.0007 ppm	0.0001 ppm
Concentration per Run 2	0.0001 ppm	1.6984 ppm	0.0009 ppm	0.0002 ppm	0.0008 ppm	0.0008 ppm	0.0002 ppm
Concentration per Run 3	-0.0002 ppm	1.6997 ppm	0.0005 ppm	0.0002 ppm	0.0002 ppm	-0.0006 ppm	0.0001 ppm
Concentration RSD	250.4 %	0.2 %	90.0 %	31.2 %	59.9 %	450.3 %	18.9 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0025 ppm	104.4030 %	96.6273 %	96.6370 %	101.3578 %	97.4095 %	96.6940 %
Concentration per Run 1	0.0025 ppm	104.7652 %	96.6457 %	96.6990 %	101.8048 %	97.3577 %	96.6378 %
Concentration per Run 2	0.0025 ppm	105.0733 %	96.6481 %	96.7034 %	101.4790 %	97.6013 %	96.8365 %
Concentration per Run 3	0.0026 ppm	103.3704 %	96.5882 %	96.5086 %	100.7897 %	97.2696 %	96.6078 %
Concentration RSD	2.2 %	0.9 %	0.0 %	0.1 %	0.5 %	0.2 %	0.1 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: L2535878-01 WG2079886
 Analysis started at: 6/30/2025 12:32:55 PM
 Comments: <Comment>
 Rack: 1
 Vial: 31

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0003 ppm	0.0064 ppm	-0.0006 ppm	0.0700 ppm	0.1302 ppm	0.0000 ppm	73.1042 ppm
Concentration per Run 1	-0.0002 ppm	0.0047 ppm	-0.0019 ppm	0.0702 ppm	0.1299 ppm	0.0000 ppm	72.7893 ppm
Concentration per Run 2	-0.0004 ppm	0.0093 ppm	-0.0004 ppm	0.0701 ppm	0.1306 ppm	0.0000 ppm	73.3564 ppm
Concentration per Run 3	-0.0002 ppm	0.0053 ppm	0.0005 ppm	0.0697 ppm	0.1303 ppm	0.0000 ppm	73.1667 ppm
Concentration RSD	39.3 %	39.4 %	194.6 %	0.4 %	0.3 %	159.3 %	0.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0004 ppm	0.0003 ppm	0.0008 ppm	0.0042 ppm	1.4297 ppm	6.6151 ppm	0.0064 ppm
Concentration per Run 1	-0.0004 ppm	0.0002 ppm	0.0006 ppm	0.0044 ppm	1.4238 ppm	6.5987 ppm	0.0074 ppm
Concentration per Run 2	-0.0004 ppm	0.0003 ppm	0.0013 ppm	0.0039 ppm	1.4315 ppm	6.6592 ppm	0.0062 ppm
Concentration per Run 3	-0.0004 ppm	0.0003 ppm	0.0007 ppm	0.0043 ppm	1.4339 ppm	6.5873 ppm	0.0054 ppm
Concentration RSD	11.5 %	11.2 %	46.8 %	5.3 %	0.4 %	0.6 %	15.8 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	23.9251 ppm	0.6455 ppm	0.0012 ppm	94.9223 ppm	0.0004 ppm	0.0012 ppm	0.0012 ppm
Concentration per Run 1	23.8869 ppm	0.6424 ppm	0.0014 ppm	94.7706 ppm	0.0003 ppm	0.0014 ppm	0.0007 ppm
Concentration per Run 2	23.9439 ppm	0.6478 ppm	0.0009 ppm	95.2018 ppm	0.0002 ppm	0.0014 ppm	0.0015 ppm
Concentration per Run 3	23.9443 ppm	0.6462 ppm	0.0011 ppm	94.7946 ppm	0.0006 ppm	0.0007 ppm	0.0014 ppm
Concentration RSD	0.1 %	0.4 %	22.1 %	0.3 %	45.6 %	33.2 %	37.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0011 ppm	11.6791 ppm	0.0005 ppm	0.2059 ppm	0.0003 ppm	-0.0018 ppm	0.0009 ppm
Concentration per Run 1	0.0010 ppm	11.6627 ppm	0.0006 ppm	0.2052 ppm	0.0003 ppm	-0.0023 ppm	0.0011 ppm
Concentration per Run 2	-0.0003 ppm	11.6902 ppm	0.0000 ppm	0.2064 ppm	0.0003 ppm	-0.0014 ppm	0.0008 ppm
Concentration per Run 3	-0.0040 ppm	11.6845 ppm	0.0009 ppm	0.2060 ppm	0.0002 ppm	-0.0018 ppm	0.0007 ppm
Concentration RSD	232.6 %	0.1 %	95.0 %	0.3 %	30.6 %	25.0 %	22.7 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.1027 ppm	101.7845 %	92.8823 %	92.5041 %	99.8195 %	90.2102 %	93.2858 %
Concentration per Run 1	0.1027 ppm	102.1161 %	92.8851 %	92.4512 %	100.2782 %	90.3675 %	93.3090 %
Concentration per Run 2	0.1026 ppm	101.5611 %	92.9676 %	92.5862 %	99.4635 %	90.0934 %	93.2692 %
Concentration per Run 3	0.1027 ppm	101.6762 %	92.7940 %	92.4749 %	99.7168 %	90.1698 %	93.2793 %
Concentration RSD	0.1 %	0.3 %	0.1 %	0.1 %	0.4 %	0.2 %	0.0 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: CCV
 Analysis started at: 6/30/2025 12:39:13 PM
 Comments: <Comment>
 Rack: 0
 Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.5337 ppm	0.4703 ppm	0.4853 ppm	0.5011 ppm	0.4915 ppm	0.4948 ppm	0.4932 ppm
Concentration per Run 1	0.5338 ppm	0.4678 ppm	0.4863 ppm	0.5017 ppm	0.4897 ppm	0.4923 ppm	0.4896 ppm
Concentration per Run 2	0.5345 ppm	0.4705 ppm	0.4855 ppm	0.5002 ppm	0.4904 ppm	0.4951 ppm	0.4920 ppm
Concentration per Run 3	0.5328 ppm	0.4726 ppm	0.4840 ppm	0.5015 ppm	0.4946 ppm	0.4969 ppm	0.4981 ppm
Recovery Percentage 1	106.740 %	94.058 %	97.050 %	100.227 %	98.308 %	98.952 %	98.643 %
Concentration RSD	0.2 %	0.5 %	0.2 %	0.2 %	0.5 %	0.5 %	0.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.5013 ppm	0.5098 ppm	0.5124 ppm	0.5115 ppm	0.5032 ppm	5.3841 ppm	0.5011 ppm
Concentration per Run 1	0.5009 ppm	0.5089 ppm	0.5124 ppm	0.5106 ppm	0.5016 ppm	5.3768 ppm	0.4996 ppm
Concentration per Run 2	0.5010 ppm	0.5097 ppm	0.5112 ppm	0.5119 ppm	0.5031 ppm	5.3742 ppm	0.5018 ppm
Concentration per Run 3	0.5021 ppm	0.5109 ppm	0.5135 ppm	0.5121 ppm	0.5049 ppm	5.4013 ppm	0.5019 ppm
Recovery Percentage 1	100.268 %	101.966 %	102.472 %	102.305 %	100.638 %	107.682 %	100.221 %
Concentration RSD	0.1 %	0.2 %	0.2 %	0.2 %	0.3 %	0.3 %	0.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5228 ppm	0.5073 ppm	0.4927 ppm	9.9863 ppm	0.5111 ppm	0.5103 ppm	0.5191 ppm
Concentration per Run 1	0.5249 ppm	0.5052 ppm	0.4920 ppm	9.9736 ppm	0.5100 ppm	0.5095 ppm	0.5171 ppm
Concentration per Run 2	0.5202 ppm	0.5067 ppm	0.4925 ppm	9.9936 ppm	0.5113 ppm	0.5103 ppm	0.5208 ppm
Concentration per Run 3	0.5233 ppm	0.5099 ppm	0.4936 ppm	9.9919 ppm	0.5121 ppm	0.5111 ppm	0.5193 ppm
Recovery Percentage 1	104.558 %	101.461 %	98.541 %	99.863 %	102.224 %	102.061 %	103.813 %
Concentration RSD	0.5 %	0.5 %	0.2 %	0.1 %	0.2 %	0.2 %	0.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4911 ppm	5.5095 ppm	0.5060 ppm	0.5071 ppm	0.5097 ppm	0.5157 ppm	0.5101 ppm
Concentration per Run 1	0.4920 ppm	5.5017 ppm	0.5050 ppm	0.5052 ppm	0.5094 ppm	0.5133 ppm	0.5095 ppm
Concentration per Run 2	0.4910 ppm	5.5109 ppm	0.5061 ppm	0.5067 ppm	0.5096 ppm	0.5165 ppm	0.5100 ppm
Concentration per Run 3	0.4904 ppm	5.5159 ppm	0.5068 ppm	0.5095 ppm	0.5102 ppm	0.5173 ppm	0.5108 ppm
Recovery Percentage 1	98.224 %	104.943 %	101.193 %	101.429 %	101.948 %	103.138 %	102.021 %
Concentration RSD	0.2 %	0.1 %	0.2 %	0.4 %	0.1 %	0.4 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5068 ppm	102.6119 %	97.4165 %	97.1993 %	100.7118 %	97.8444 %	97.6259 %
Concentration per Run 1	0.5064 ppm	103.1012 %	97.2709 %	96.9214 %	100.7873 %	97.8652 %	97.2965 %
Concentration per Run 2	0.5067 ppm	102.3795 %	97.5478 %	97.2432 %	100.5401 %	97.9638 %	97.7608 %
Concentration per Run 3	0.5075 ppm	102.3550 %	97.4307 %	97.4335 %	100.8080 %	97.7043 %	97.8203 %
Recovery Percentage 1	101.368 %						
Concentration RSD	0.1 %	0.4 %	0.1 %	0.3 %	0.1 %	0.1 %	0.3 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: CCB
Analysis started at: 6/30/2025 12:45:20 PM
Comments: <Comment>
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0003 ppm	-0.0031 ppm	0.0000 ppm	0.0050 ppm	0.0000 ppm	0.0000 ppm	0.0028 ppm
Concentration per Run 1	-0.0003 ppm	-0.0028 ppm	0.0000 ppm	0.0049 ppm	0.0000 ppm	0.0000 ppm	0.0044 ppm
Concentration per Run 2	-0.0004 ppm	-0.0008 ppm	0.0006 ppm	0.0053 ppm	-0.0001 ppm	0.0000 ppm	0.0012 ppm
Concentration per Run 3	-0.0002 ppm	-0.0058 ppm	-0.0006 ppm	0.0048 ppm	-0.0001 ppm	0.0000 ppm	0.0029 ppm
Recovery Percentage 1	-4.032 %	-3.144 %	-0.371 %	16.698 %	-0.290 %	0.315 %	2.824 %
Concentration RSD	36.6 %	80.5 %	3,315.8 %	5.8 %	175.6 %	167.6 %	55.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0001 ppm	0.0002 ppm	0.0005 ppm	0.0591 ppm	-0.0001 ppm
Concentration per Run 1	0.0000 ppm	-0.0001 ppm	0.0000 ppm	0.0004 ppm	0.0014 ppm	0.0604 ppm	-0.0007 ppm
Concentration per Run 2	0.0000 ppm	0.0001 ppm	0.0003 ppm	0.0002 ppm	0.0002 ppm	0.0540 ppm	0.0004 ppm
Concentration per Run 3	0.0000 ppm	0.0001 ppm	0.0000 ppm	0.0001 ppm	-0.0001 ppm	0.0630 ppm	-0.0002 ppm
Recovery Percentage 1	0.498 %	0.130 %	0.828 %	2.203 %	1.010 %	2.365 %	-1.495 %
Concentration RSD	93.1 %	469.7 %	209.8 %	53.5 %	155.5 %	7.9 %	358.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0001 ppm	-0.0001 ppm	0.0015 ppm	0.0828 ppm	0.0002 ppm	0.0003 ppm	0.0015 ppm
Concentration per Run 1	0.0001 ppm	-0.0002 ppm	0.0017 ppm	0.0900 ppm	0.0003 ppm	-0.0001 ppm	0.0015 ppm
Concentration per Run 2	0.0007 ppm	0.0000 ppm	0.0014 ppm	0.0811 ppm	0.0002 ppm	0.0005 ppm	0.0012 ppm
Concentration per Run 3	-0.0005 ppm	-0.0001 ppm	0.0014 ppm	0.0772 ppm	0.0001 ppm	0.0004 ppm	0.0019 ppm
Recovery Percentage 1	0.121 %	-1.059 %	3.057 %	4.138 %	0.954 %	2.569 %	3.044 %
Concentration RSD	485.0 %	91.5 %	11.3 %	7.9 %	44.8 %	123.4 %	24.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0009 ppm	0.0007 ppm	0.0008 ppm	0.0001 ppm	0.0002 ppm	-0.0013 ppm	0.0002 ppm
Concentration per Run 1	0.0019 ppm	0.0004 ppm	0.0007 ppm	0.0001 ppm	0.0002 ppm	-0.0028 ppm	0.0002 ppm
Concentration per Run 2	0.0003 ppm	0.0013 ppm	0.0005 ppm	0.0000 ppm	0.0003 ppm	-0.0002 ppm	0.0001 ppm
Concentration per Run 3	0.0005 ppm	0.0005 ppm	0.0012 ppm	0.0001 ppm	0.0000 ppm	-0.0008 ppm	0.0003 ppm
Recovery Percentage 1	8.944 %	0.142 %	1.541 %	0.615 %	1.890 %	-6.324 %	2.122 %
Concentration RSD	100.3 %	68.1 %	47.5 %	69.4 %	85.9 %	108.9 %	62.9 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0000 ppm	102.7950 %	98.6151 %	98.0520 %	99.6166 %	99.3856 %	97.7898 %
Concentration per Run 1	0.0000 ppm	102.6664 %	98.6484 %	98.1114 %	99.8722 %	99.2889 %	97.7884 %
Concentration per Run 2	0.0001 ppm	102.3240 %	98.4589 %	97.9689 %	98.8650 %	99.6370 %	97.7562 %
Concentration per Run 3	0.0000 ppm	103.3947 %	98.7381 %	98.0757 %	100.1125 %	99.2309 %	97.8249 %
Recovery Percentage 1	0.407 %						
Concentration RSD	300.3 %	0.5 %	0.1 %	0.1 %	0.7 %	0.2 %	0.0 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: L2535965-01 WG2079886
 Analysis started at: 6/30/2025 1:07:32 PM
 Comments: <Comment>
 Rack: 1
 Vial: 32

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.3336 ppm	-0.0001 ppm	0.0063 ppm	0.0098 ppm	0.0000 ppm	1.8279 ppm
Concentration per Run 1	0.0005 ppm	0.3372 ppm	0.0000 ppm	0.0064 ppm	0.0098 ppm	0.0000 ppm	1.8172 ppm
Concentration per Run 2	-0.0001 ppm	0.3316 ppm	-0.0003 ppm	0.0062 ppm	0.0097 ppm	0.0000 ppm	1.8334 ppm
Concentration per Run 3	-0.0003 ppm	0.3321 ppm	0.0001 ppm	0.0063 ppm	0.0099 ppm	0.0000 ppm	1.8333 ppm
Concentration RSD	4,417.7 %	0.9 %	441.5 %	2.1 %	0.9 %	39.0 %	0.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0001 ppm	0.0005 ppm	0.0015 ppm	0.4210 ppm	0.5603 ppm	0.0023 ppm
Concentration per Run 1	0.0000 ppm	0.0002 ppm	0.0003 ppm	0.0017 ppm	0.4190 ppm	0.5588 ppm	0.0017 ppm
Concentration per Run 2	0.0000 ppm	0.0000 ppm	0.0004 ppm	0.0016 ppm	0.4227 ppm	0.5481 ppm	0.0024 ppm
Concentration per Run 3	0.0000 ppm	0.0002 ppm	0.0007 ppm	0.0014 ppm	0.4213 ppm	0.5741 ppm	0.0028 ppm
Concentration RSD	280.2 %	89.0 %	44.0 %	11.0 %	0.4 %	2.3 %	23.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.7646 ppm	0.2492 ppm	0.0002 ppm	7.1002 ppm	0.0007 ppm	0.0003 ppm	0.0007 ppm
Concentration per Run 1	0.7625 ppm	0.2476 ppm	0.0004 ppm	7.0472 ppm	0.0006 ppm	-0.0006 ppm	0.0004 ppm
Concentration per Run 2	0.7682 ppm	0.2496 ppm	0.0002 ppm	7.1135 ppm	0.0008 ppm	0.0006 ppm	0.0013 ppm
Concentration per Run 3	0.7630 ppm	0.2505 ppm	0.0001 ppm	7.1399 ppm	0.0007 ppm	0.0009 ppm	0.0006 ppm
Concentration RSD	0.4 %	0.6 %	62.8 %	0.7 %	11.0 %	272.2 %	63.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0023 ppm	3.3600 ppm	-0.0005 ppm	0.0140 ppm	0.0012 ppm	-0.0021 ppm	0.0005 ppm
Concentration per Run 1	0.0032 ppm	3.3687 ppm	-0.0002 ppm	0.0139 ppm	0.0012 ppm	-0.0022 ppm	0.0006 ppm
Concentration per Run 2	0.0017 ppm	3.3550 ppm	-0.0009 ppm	0.0140 ppm	0.0012 ppm	-0.0020 ppm	0.0004 ppm
Concentration per Run 3	0.0021 ppm	3.3562 ppm	-0.0003 ppm	0.0142 ppm	0.0013 ppm	-0.0019 ppm	0.0006 ppm
Concentration RSD	32.6 %	0.2 %	69.5 %	1.0 %	7.7 %	6.6 %	19.7 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0689 ppm	105.6850 %	99.1395 %	98.5474 %	101.7784 %	100.5108 %	98.6652 %
Concentration per Run 1	0.0689 ppm	106.2349 %	99.3646 %	98.5070 %	102.2952 %	100.4645 %	98.8784 %
Concentration per Run 2	0.0687 ppm	105.5289 %	99.0507 %	98.7008 %	101.7868 %	100.5368 %	98.5429 %
Concentration per Run 3	0.0690 ppm	105.2912 %	99.0031 %	98.4346 %	101.2533 %	100.5312 %	98.5744 %
Concentration RSD	0.2 %	0.5 %	0.2 %	0.1 %	0.5 %	0.0 %	0.2 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: L2535966-01 WG2079886
 Analysis started at: 6/30/2025 1:13:52 PM
 Comments: <Comment>
 Rack: 1
 Vial: 33

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0003 ppm	4.2356 ppm	0.0021 ppm	0.0566 ppm	0.3123 ppm	0.0000 ppm	32.0404 ppm
Concentration per Run 1	-0.0002 ppm	4.2049 ppm	0.0020 ppm	0.0568 ppm	0.3109 ppm	0.0000 ppm	31.8793 ppm
Concentration per Run 2	-0.0004 ppm	4.2416 ppm	0.0023 ppm	0.0562 ppm	0.3127 ppm	0.0001 ppm	32.1077 ppm
Concentration per Run 3	-0.0003 ppm	4.2604 ppm	0.0021 ppm	0.0567 ppm	0.3134 ppm	0.0000 ppm	32.1343 ppm
Concentration RSD	42.3 %	0.7 %	7.6 %	0.6 %	0.4 %	59.7 %	0.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0005 ppm	0.0048 ppm	0.2246 ppm	0.0696 ppm	28.0187 ppm	3.3426 ppm	0.0047 ppm
Concentration per Run 1	-0.0005 ppm	0.0049 ppm	0.2251 ppm	0.0694 ppm	27.8780 ppm	3.3149 ppm	0.0046 ppm
Concentration per Run 2	-0.0005 ppm	0.0046 ppm	0.2245 ppm	0.0696 ppm	28.1133 ppm	3.3260 ppm	0.0049 ppm
Concentration per Run 3	-0.0005 ppm	0.0048 ppm	0.2241 ppm	0.0699 ppm	28.0648 ppm	3.3868 ppm	0.0046 ppm
Concentration RSD	3.4 %	2.8 %	0.2 %	0.4 %	0.4 %	1.2 %	3.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	5.9622 ppm	1.8143 ppm	0.3074 ppm	360.6040 ppm	0.1848 ppm	0.0066 ppm	0.0001 ppm
Concentration per Run 1	5.9979 ppm	1.8082 ppm	0.3068 ppm	364.9665 ppm	0.1851 ppm	0.0070 ppm	0.0000 ppm
Concentration per Run 2	5.9348 ppm	1.8166 ppm	0.3074 ppm	359.7001 ppm	0.1846 ppm	0.0060 ppm	0.0006 ppm
Concentration per Run 3	5.9540 ppm	1.8182 ppm	0.3080 ppm	357.1453 ppm	0.1847 ppm	0.0068 ppm	-0.0002 ppm
Concentration RSD	0.5 %	0.3 %	0.2 %	1.1 %	0.1 %	8.1 %	291.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0011 ppm	9.4568 ppm	0.0009 ppm	0.1560 ppm	0.0763 ppm	-0.0042 ppm	0.0066 ppm
Concentration per Run 1	0.0010 ppm	9.4932 ppm	0.0015 ppm	0.1553 ppm	0.0766 ppm	-0.0020 ppm	0.0068 ppm
Concentration per Run 2	-0.0028 ppm	9.4298 ppm	0.0003 ppm	0.1560 ppm	0.0760 ppm	-0.0058 ppm	0.0065 ppm
Concentration per Run 3	-0.0016 ppm	9.4474 ppm	0.0008 ppm	0.1566 ppm	0.0761 ppm	-0.0049 ppm	0.0067 ppm
Concentration RSD	172.1 %	0.3 %	66.1 %	0.4 %	0.5 %	47.6 %	2.5 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5192 ppm	102.3179 %	90.1175 %	89.8765 %	100.5771 %	85.2706 %	90.5324 %
Concentration per Run 1	0.5193 ppm	102.1738 %	89.9470 %	89.8139 %	100.7898 %	85.0314 %	90.2575 %
Concentration per Run 2	0.5189 ppm	102.2095 %	90.3520 %	90.0610 %	100.2774 %	85.4919 %	90.8921 %
Concentration per Run 3	0.5193 ppm	102.5706 %	90.0534 %	89.7547 %	100.6641 %	85.2886 %	90.4475 %
Concentration RSD	0.0 %	0.2 %	0.2 %	0.2 %	0.3 %	0.3 %	0.4 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: L2535966-02 WG2079886
 Analysis started at: 6/30/2025 1:20:14 PM
 Comments: <Comment>
 Rack: 1
 Vial: 34

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0006 ppm	3.1682 ppm	0.0027 ppm	0.0726 ppm	0.1465 ppm	0.0000 ppm	27.3188 ppm
Concentration per Run 1	-0.0005 ppm	3.1361 ppm	0.0042 ppm	0.0725 ppm	0.1451 ppm	0.0000 ppm	27.0520 ppm
Concentration per Run 2	-0.0004 ppm	3.1742 ppm	0.0019 ppm	0.0722 ppm	0.1471 ppm	0.0000 ppm	27.3916 ppm
Concentration per Run 3	-0.0008 ppm	3.1944 ppm	0.0020 ppm	0.0731 ppm	0.1474 ppm	0.0000 ppm	27.5127 ppm
Concentration RSD	37.5 %	0.9 %	48.2 %	0.6 %	0.9 %	61.6 %	0.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0004 ppm	0.0033 ppm	0.1013 ppm	0.0330 ppm	22.4709 ppm	40.3952 ppm	0.0060 ppm
Concentration per Run 1	-0.0004 ppm	0.0033 ppm	0.1013 ppm	0.0330 ppm	22.2436 ppm	40.2018 ppm	0.0059 ppm
Concentration per Run 2	-0.0004 ppm	0.0034 ppm	0.1013 ppm	0.0330 ppm	22.4968 ppm	40.5801 ppm	0.0056 ppm
Concentration per Run 3	-0.0004 ppm	0.0034 ppm	0.1014 ppm	0.0330 ppm	22.6722 ppm	40.4039 ppm	0.0066 ppm
Concentration RSD	1.4 %	2.3 %	0.0 %	0.0 %	1.0 %	0.5 %	9.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	5.8289 ppm	1.1735 ppm	0.2799 ppm	319.9329 ppm	0.0702 ppm	0.0045 ppm	0.0000 ppm
Concentration per Run 1	5.8006 ppm	1.1615 ppm	0.2794 ppm	318.4389 ppm	0.0702 ppm	0.0041 ppm	-0.0003 ppm
Concentration per Run 2	5.8236 ppm	1.1759 ppm	0.2802 ppm	319.2044 ppm	0.0706 ppm	0.0042 ppm	0.0002 ppm
Concentration per Run 3	5.8623 ppm	1.1830 ppm	0.2802 ppm	322.1553 ppm	0.0699 ppm	0.0051 ppm	0.0002 ppm
Concentration RSD	0.5 %	0.9 %	0.2 %	0.6 %	0.5 %	12.4 %	2,423.9 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0001 ppm	9.1886 ppm	0.0007 ppm	0.1044 ppm	0.0478 ppm	-0.0030 ppm	0.0044 ppm
Concentration per Run 1	0.0000 ppm	9.2000 ppm	0.0009 ppm	0.1037 ppm	0.0478 ppm	-0.0033 ppm	0.0045 ppm
Concentration per Run 2	-0.0017 ppm	9.1786 ppm	0.0006 ppm	0.1046 ppm	0.0476 ppm	-0.0021 ppm	0.0044 ppm
Concentration per Run 3	0.0018 ppm	9.1871 ppm	0.0005 ppm	0.1049 ppm	0.0479 ppm	-0.0036 ppm	0.0044 ppm
Concentration RSD	3,347.0 %	0.1 %	29.4 %	0.6 %	0.3 %	26.7 %	0.5 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.3570 ppm	102.2530 %	89.9068 %	90.2071 %	100.3705 %	85.5038 %	90.1858 %
Concentration per Run 1	0.3563 ppm	103.4399 %	89.9303 %	90.2065 %	101.9387 %	85.5124 %	90.2390 %
Concentration per Run 2	0.3573 ppm	101.9534 %	90.0100 %	90.2382 %	100.3673 %	85.5290 %	90.2684 %
Concentration per Run 3	0.3575 ppm	101.3656 %	89.7802 %	90.1767 %	98.8056 %	85.4700 %	90.0499 %
Concentration RSD	0.2 %	1.0 %	0.1 %	0.0 %	1.6 %	0.0 %	0.1 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: CCV
 Analysis started at: 6/30/2025 1:26:36 PM
 Comments: <Comment>
 Rack: 0
 Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.5453 ppm	0.4905 ppm	0.4859 ppm	0.5052 ppm	0.5119 ppm	0.5105 ppm	0.5117 ppm
Concentration per Run 1	0.5469 ppm	0.4885 ppm	0.4888 ppm	0.5054 ppm	0.5168 ppm	0.5158 ppm	0.5146 ppm
Concentration per Run 2	0.5435 ppm	0.4902 ppm	0.4841 ppm	0.5060 ppm	0.5116 ppm	0.5101 ppm	0.5155 ppm
Concentration per Run 3	0.5455 ppm	0.4928 ppm	0.4847 ppm	0.5043 ppm	0.5072 ppm	0.5055 ppm	0.5049 ppm
Recovery Percentage 1	109.059 %	98.101 %	97.171 %	101.045 %	102.375 %	102.095 %	102.338 %
Concentration RSD	0.3 %	0.4 %	0.5 %	0.2 %	0.9 %	1.0 %	1.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4960 ppm	0.5106 ppm	0.5128 ppm	0.5224 ppm	0.5324 ppm	5.2994 ppm	0.5288 ppm
Concentration per Run 1	0.4958 ppm	0.5112 ppm	0.5123 ppm	0.5245 ppm	0.5392 ppm	5.3507 ppm	0.5351 ppm
Concentration per Run 2	0.4955 ppm	0.5099 ppm	0.5130 ppm	0.5211 ppm	0.5328 ppm	5.3194 ppm	0.5267 ppm
Concentration per Run 3	0.4968 ppm	0.5108 ppm	0.5131 ppm	0.5217 ppm	0.5250 ppm	5.2280 ppm	0.5246 ppm
Recovery Percentage 1	99.210 %	102.128 %	102.562 %	104.481 %	106.472 %	105.987 %	105.759 %
Concentration RSD	0.1 %	0.1 %	0.1 %	0.3 %	1.3 %	1.2 %	1.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5222 ppm	0.5228 ppm	0.4938 ppm	10.3630 ppm	0.5087 ppm	0.5085 ppm	0.5238 ppm
Concentration per Run 1	0.5215 ppm	0.5275 ppm	0.4932 ppm	10.4838 ppm	0.5093 ppm	0.5081 ppm	0.5262 ppm
Concentration per Run 2	0.5212 ppm	0.5240 ppm	0.4944 ppm	10.3435 ppm	0.5083 ppm	0.5079 ppm	0.5237 ppm
Concentration per Run 3	0.5238 ppm	0.5170 ppm	0.4939 ppm	10.2617 ppm	0.5084 ppm	0.5093 ppm	0.5216 ppm
Recovery Percentage 1	104.440 %	104.564 %	98.768 %	103.630 %	101.732 %	101.690 %	104.766 %
Concentration RSD	0.3 %	1.0 %	0.1 %	1.1 %	0.1 %	0.1 %	0.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4930 ppm	5.5260 ppm	0.4995 ppm	0.5355 ppm	0.5107 ppm	0.5154 ppm	0.5104 ppm
Concentration per Run 1	0.4947 ppm	5.5251 ppm	0.4991 ppm	0.5410 ppm	0.5114 ppm	0.5147 ppm	0.5107 ppm
Concentration per Run 2	0.4939 ppm	5.5340 ppm	0.5003 ppm	0.5353 ppm	0.5103 ppm	0.5161 ppm	0.5100 ppm
Concentration per Run 3	0.4905 ppm	5.5190 ppm	0.4992 ppm	0.5300 ppm	0.5104 ppm	0.5153 ppm	0.5107 ppm
Recovery Percentage 1	98.605 %	105.258 %	99.899 %	107.091 %	102.136 %	103.077 %	102.090 %
Concentration RSD	0.5 %	0.1 %	0.1 %	1.0 %	0.1 %	0.1 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4993 ppm	101.7059 %	97.0991 %	95.8681 %	98.5118 %	97.3462 %	97.1086 %
Concentration per Run 1	0.5002 ppm	100.8171 %	97.0681 %	95.7995 %	97.5389 %	97.3139 %	97.0652 %
Concentration per Run 2	0.4979 ppm	101.0386 %	97.0863 %	95.8358 %	98.1838 %	97.2943 %	97.1069 %
Concentration per Run 3	0.5000 ppm	103.2619 %	97.1429 %	95.9690 %	99.8128 %	97.4304 %	97.1535 %
Recovery Percentage 1	99.869 %						
Concentration RSD	0.2 %	1.3 %	0.0 %	0.1 %	1.2 %	0.1 %	0.0 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: CCB
 Analysis started at: 6/30/2025 1:32:43 PM
 Comments: <Comment>
 Rack: 0
 Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	-0.0055 ppm	0.0004 ppm	0.0028 ppm	0.0000 ppm	0.0000 ppm	0.0020 ppm
Concentration per Run 1	0.0002 ppm	-0.0044 ppm	0.0005 ppm	0.0029 ppm	-0.0001 ppm	0.0001 ppm	0.0046 ppm
Concentration per Run 2	0.0004 ppm	-0.0048 ppm	-0.0012 ppm	0.0029 ppm	0.0001 ppm	0.0000 ppm	-0.0002 ppm
Concentration per Run 3	-0.0004 ppm	-0.0074 ppm	0.0020 ppm	0.0026 ppm	0.0000 ppm	0.0000 ppm	0.0016 ppm
Recovery Percentage 1	1.063 %	-5.524 %	8.986 %	9.418 %	-0.282 %	0.839 %	1.975 %
Concentration RSD	528.5 %	29.1 %	351.6 %	6.5 %	390.5 %	44.4 %	123.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0001 ppm	0.0000 ppm	0.0004 ppm	0.0016 ppm	0.0669 ppm	-0.0001 ppm
Concentration per Run 1	0.0000 ppm	0.0001 ppm	0.0001 ppm	0.0004 ppm	0.0016 ppm	0.0532 ppm	-0.0011 ppm
Concentration per Run 2	0.0000 ppm	0.0000 ppm	-0.0002 ppm	0.0003 ppm	0.0020 ppm	0.0702 ppm	0.0003 ppm
Concentration per Run 3	0.0000 ppm	0.0001 ppm	0.0000 ppm	0.0005 ppm	0.0010 ppm	0.0772 ppm	0.0003 ppm
Recovery Percentage 1	-0.012 %	0.310 %	-0.019 %	4.138 %	3.123 %	2.674 %	-1.486 %
Concentration RSD	6,487.9 %	41.1 %	7,923.2 %	20.4 %	32.9 %	18.4 %	527.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0005 ppm	0.0000 ppm	0.0019 ppm	0.1025 ppm	0.0003 ppm	0.0001 ppm	0.0010 ppm
Concentration per Run 1	-0.0007 ppm	0.0000 ppm	0.0021 ppm	0.1056 ppm	0.0003 ppm	0.0001 ppm	0.0005 ppm
Concentration per Run 2	0.0010 ppm	0.0000 ppm	0.0020 ppm	0.1022 ppm	0.0002 ppm	0.0005 ppm	0.0015 ppm
Concentration per Run 3	0.0012 ppm	-0.0001 ppm	0.0016 ppm	0.0998 ppm	0.0003 ppm	-0.0003 ppm	0.0010 ppm
Recovery Percentage 1	0.500 %	-0.086 %	3.783 %	5.127 %	1.105 %	1.311 %	1.967 %
Concentration RSD	207.0 %	578.9 %	14.7 %	2.8 %	38.9 %	309.8 %	51.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0027 ppm	-0.0012 ppm	0.0001 ppm	0.0000 ppm	0.0003 ppm	-0.0021 ppm	0.0002 ppm
Concentration per Run 1	0.0036 ppm	-0.0006 ppm	0.0001 ppm	0.0001 ppm	0.0002 ppm	-0.0014 ppm	0.0002 ppm
Concentration per Run 2	0.0024 ppm	-0.0015 ppm	-0.0001 ppm	-0.0001 ppm	0.0003 ppm	-0.0017 ppm	0.0002 ppm
Concentration per Run 3	0.0021 ppm	-0.0015 ppm	0.0004 ppm	0.0001 ppm	0.0003 ppm	-0.0031 ppm	0.0003 ppm
Recovery Percentage 1	26.927 %	-0.233 %	0.266 %	0.075 %	2.627 %	-10.260 %	2.446 %
Concentration RSD	29.9 %	43.6 %	215.7 %	1,351.6 %	10.4 %	44.7 %	11.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0000 ppm	100.5704 %	98.7179 %	97.8229 %	97.1300 %	99.2817 %	97.5972 %
Concentration per Run 1	-0.0001 ppm	98.3534 %	98.7512 %	97.7492 %	95.1613 %	99.2406 %	97.4541 %
Concentration per Run 2	0.0001 ppm	101.2995 %	98.6295 %	97.7856 %	97.8421 %	99.1332 %	97.5636 %
Concentration per Run 3	-0.0001 ppm	102.0583 %	98.7729 %	97.9340 %	98.3866 %	99.4714 %	97.7740 %
Recovery Percentage 1	-0.764 %						
Concentration RSD	254.7 %	1.9 %	0.1 %	0.1 %	1.8 %	0.2 %	0.2 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: WG2085313-1 WG2085313
 Analysis started at: 6/30/2025 2:53:12 PM
 Comments: <Comment>
 Rack: 1
 Vial: 35

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	-0.0007 ppm	-0.0001 ppm	0.0061 ppm	0.0001 ppm	0.0000 ppm	0.0432 ppm
Concentration per Run 1	-0.0003 ppm	-0.0035 ppm	0.0000 ppm	0.0063 ppm	0.0000 ppm	0.0000 ppm	0.0429 ppm
Concentration per Run 2	0.0000 ppm	-0.0010 ppm	0.0001 ppm	0.0059 ppm	0.0002 ppm	0.0000 ppm	0.0398 ppm
Concentration per Run 3	0.0001 ppm	0.0022 ppm	-0.0004 ppm	0.0061 ppm	0.0000 ppm	0.0000 ppm	0.0467 ppm
Recovery Percentage 1	-1.051 %	-0.750 %	-1.883 %	20.413 %	0.783 %	-0.159 %	43.159 %
Concentration RSD	224.8 %	381.6 %	256.3 %	3.2 %	115.5 %	276.4 %	8.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0001 ppm	0.0002 ppm	0.0012 ppm	0.0054 ppm	0.1195 ppm	0.0017 ppm
Concentration per Run 1	0.0000 ppm	-0.0001 ppm	0.0003 ppm	0.0010 ppm	0.0059 ppm	0.1056 ppm	0.0015 ppm
Concentration per Run 2	0.0000 ppm	-0.0002 ppm	0.0003 ppm	0.0015 ppm	0.0046 ppm	0.1117 ppm	0.0020 ppm
Concentration per Run 3	0.0000 ppm	0.0001 ppm	0.0000 ppm	0.0012 ppm	0.0057 ppm	0.1413 ppm	0.0016 ppm
Recovery Percentage 1	0.578 %	-0.351 %	1.977 %	12.223 %	10.793 %	4.781 %	16.915 %
Concentration RSD	92.4 %	203.1 %	66.9 %	20.4 %	13.6 %	16.0 %	15.8 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0091 ppm	0.0004 ppm	0.0005 ppm	137.3905 ppm	0.0004 ppm	0.0000 ppm	0.0015 ppm
Concentration per Run 1	0.0096 ppm	0.0001 ppm	0.0005 ppm	136.8880 ppm	0.0003 ppm	0.0001 ppm	0.0022 ppm
Concentration per Run 2	0.0098 ppm	0.0005 ppm	0.0006 ppm	137.6611 ppm	0.0004 ppm	-0.0003 ppm	0.0008 ppm
Concentration per Run 3	0.0078 ppm	0.0006 ppm	0.0005 ppm	137.6223 ppm	0.0004 ppm	0.0002 ppm	0.0015 ppm
Recovery Percentage 1	9.071 %	3.768 %	1.080 %	6,869.523 %	1.558 %	0.059 %	2.985 %
Concentration RSD	12.0 %	67.7 %	13.5 %	0.3 %	11.2 %	3,958.2 %	48.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0010 ppm	0.0534 ppm	0.0044 ppm	0.0001 ppm	0.0001 ppm	-0.0037 ppm	0.0002 ppm
Concentration per Run 1	-0.0005 ppm	0.0521 ppm	0.0048 ppm	0.0001 ppm	0.0001 ppm	-0.0028 ppm	0.0002 ppm
Concentration per Run 2	0.0017 ppm	0.0553 ppm	0.0039 ppm	0.0001 ppm	0.0002 ppm	-0.0041 ppm	0.0003 ppm
Concentration per Run 3	0.0018 ppm	0.0529 ppm	0.0044 ppm	0.0002 ppm	-0.0001 ppm	-0.0042 ppm	0.0002 ppm
Recovery Percentage 1	9.905 %	10.690 %	8.770 %	1.274 %	0.629 %	-18.564 %	2.055 %
Concentration RSD	128.4 %	3.1 %	10.7 %	47.1 %	193.8 %	20.8 %	19.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0096 ppm	99.5299 %	92.0317 %	92.1483 %	97.5201 %	88.9964 %	92.7225 %
Concentration per Run 1	0.0096 ppm	99.9638 %	92.3119 %	92.1888 %	97.7325 %	89.2706 %	93.0233 %
Concentration per Run 2	0.0097 ppm	99.1083 %	91.8385 %	92.2852 %	97.2737 %	88.8918 %	92.5851 %
Concentration per Run 3	0.0096 ppm	99.5176 %	91.9446 %	91.9708 %	97.5541 %	88.8268 %	92.5592 %
Recovery Percentage 1	192.556 %						
Concentration RSD	0.4 %	0.4 %	0.3 %	0.2 %	0.2 %	0.3 %	0.3 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: WG2085257-1 WG2085257
 Analysis started at: 6/30/2025 2:59:45 PM
 Comments: <Comment>
 Rack: 1
 Vial: 40

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	-0.0020 ppm	0.0005 ppm	0.0005 ppm	0.0000 ppm	0.0000 ppm	0.0084 ppm
Concentration per Run 1	0.0001 ppm	-0.0019 ppm	0.0006 ppm	0.0004 ppm	0.0000 ppm	0.0000 ppm	0.0090 ppm
Concentration per Run 2	0.0000 ppm	0.0019 ppm	0.0003 ppm	0.0007 ppm	0.0000 ppm	0.0000 ppm	0.0068 ppm
Concentration per Run 3	0.0000 ppm	-0.0060 ppm	0.0006 ppm	0.0005 ppm	0.0001 ppm	0.0000 ppm	0.0093 ppm
Recovery Percentage 1	0.418 %	-2.006 %	10.019 %	1.756 %	0.360 %	0.239 %	8.368 %
Concentration RSD	75.9 %	197.8 %	40.6 %	25.1 %	76.5 %	112.1 %	16.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0001 ppm	0.0001 ppm	0.0005 ppm	0.0012 ppm	0.0180 ppm	-0.0011 ppm
Concentration per Run 1	0.0000 ppm	-0.0001 ppm	0.0003 ppm	0.0006 ppm	-0.0004 ppm	0.0143 ppm	-0.0016 ppm
Concentration per Run 2	0.0000 ppm	0.0000 ppm	0.0001 ppm	0.0005 ppm	0.0023 ppm	0.0184 ppm	-0.0007 ppm
Concentration per Run 3	0.0000 ppm	-0.0001 ppm	0.0000 ppm	0.0004 ppm	0.0017 ppm	0.0213 ppm	-0.0010 ppm
Recovery Percentage 1	-0.683 %	-0.452 %	1.001 %	5.009 %	2.399 %	0.721 %	-11.101 %
Concentration RSD	10.0 %	55.6 %	154.3 %	17.8 %	118.0 %	19.6 %	41.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0010 ppm	0.0000 ppm	0.0001 ppm	0.0968 ppm	0.0002 ppm	0.0011 ppm	-0.0005 ppm
Concentration per Run 1	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.1024 ppm	0.0001 ppm	0.0017 ppm	-0.0003 ppm
Concentration per Run 2	0.0007 ppm	0.0000 ppm	0.0001 ppm	0.1000 ppm	0.0003 ppm	0.0009 ppm	-0.0008 ppm
Concentration per Run 3	0.0023 ppm	0.0000 ppm	0.0003 ppm	0.0880 ppm	0.0001 ppm	0.0007 ppm	-0.0005 ppm
Recovery Percentage 1	0.996 %	0.005 %	0.240 %	4.839 %	0.617 %	11.185 %	-0.983 %
Concentration RSD	120.8 %	7,723.5 %	111.0 %	8.0 %	88.4 %	44.6 %	52.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0004 ppm	0.0103 ppm	-0.0004 ppm	0.0001 ppm	0.0002 ppm	-0.0007 ppm	0.0001 ppm
Concentration per Run 1	0.0002 ppm	0.0103 ppm	-0.0002 ppm	0.0001 ppm	0.0001 ppm	0.0005 ppm	0.0002 ppm
Concentration per Run 2	-0.0006 ppm	0.0100 ppm	-0.0002 ppm	0.0000 ppm	0.0005 ppm	-0.0014 ppm	0.0001 ppm
Concentration per Run 3	0.0016 ppm	0.0106 ppm	-0.0007 ppm	0.0001 ppm	-0.0001 ppm	-0.0011 ppm	0.0000 ppm
Recovery Percentage 1	3.921 %	2.058 %	-0.749 %	0.667 %	1.848 %	-3.268 %	1.232 %
Concentration RSD	286.1 %	2.6 %	75.6 %	39.9 %	170.7 %	156.7 %	99.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0003 ppm	104.7414 %	98.6068 %	97.1699 %	100.1919 %	99.9542 %	97.2845 %
Concentration per Run 1	0.0003 ppm	106.7110 %	98.9102 %	97.5146 %	101.9927 %	100.1079 %	97.5719 %
Concentration per Run 2	0.0003 ppm	104.0228 %	98.5938 %	97.3725 %	99.2833 %	100.1587 %	97.1876 %
Concentration per Run 3	0.0004 ppm	103.4903 %	98.3164 %	96.6226 %	99.2999 %	99.5959 %	97.0941 %
Recovery Percentage 1	6.535 %						
Concentration RSD	7.5 %	1.6 %	0.3 %	0.5 %	1.6 %	0.3 %	0.3 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: WG2085257-2 WG2085257
 Analysis started at: 6/30/2025 3:07:44 PM
 Comments: <Comment>
 Rack: 1
 Vial: 41

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0594 ppm	2.2515 ppm	0.1221 ppm	0.9962 ppm	2.2402 ppm	0.0549 ppm	10.0538 ppm
Concentration per Run 1	0.0596 ppm	2.2750 ppm	0.1236 ppm	0.9960 ppm	2.2429 ppm	0.0555 ppm	10.1387 ppm
Concentration per Run 2	0.0594 ppm	2.2398 ppm	0.1216 ppm	0.9973 ppm	2.2490 ppm	0.0545 ppm	10.0164 ppm
Concentration per Run 3	0.0593 ppm	2.2397 ppm	0.1210 ppm	0.9953 ppm	2.2285 ppm	0.0546 ppm	10.0062 ppm
Concentration RSD	0.3 %	0.9 %	1.1 %	0.1 %	0.5 %	1.0 %	0.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0527 ppm	0.5459 ppm	0.2226 ppm	0.2788 ppm	1.1325 ppm	10.3345 ppm	-0.0012 ppm
Concentration per Run 1	0.0526 ppm	0.5451 ppm	0.2224 ppm	0.2793 ppm	1.1454 ppm	10.4711 ppm	-0.0016 ppm
Concentration per Run 2	0.0528 ppm	0.5462 ppm	0.2229 ppm	0.2784 ppm	1.1261 ppm	10.2879 ppm	-0.0005 ppm
Concentration per Run 3	0.0527 ppm	0.5465 ppm	0.2226 ppm	0.2788 ppm	1.1260 ppm	10.2445 ppm	-0.0015 ppm
Concentration RSD	0.2 %	0.1 %	0.1 %	0.2 %	1.0 %	1.2 %	52.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	10.2287 ppm	0.5586 ppm	0.9647 ppm	10.8922 ppm	0.5498 ppm	0.5337 ppm	0.4408 ppm
Concentration per Run 1	10.2290 ppm	0.5648 ppm	0.9605 ppm	11.0217 ppm	0.5489 ppm	0.5333 ppm	0.4308 ppm
Concentration per Run 2	10.2013 ppm	0.5560 ppm	0.9655 ppm	10.8272 ppm	0.5502 ppm	0.5338 ppm	0.4410 ppm
Concentration per Run 3	10.2557 ppm	0.5549 ppm	0.9682 ppm	10.8277 ppm	0.5501 ppm	0.5341 ppm	0.4507 ppm
Concentration RSD	0.3 %	1.0 %	0.4 %	1.0 %	0.1 %	0.1 %	2.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1167 ppm	1.0893 ppm	0.9691 ppm	1.0554 ppm	1.0246 ppm	0.1173 ppm	0.5607 ppm
Concentration per Run 1	0.1163 ppm	1.0905 ppm	0.9682 ppm	1.0694 ppm	1.0252 ppm	0.1153 ppm	0.5598 ppm
Concentration per Run 2	0.1157 ppm	1.0880 ppm	0.9686 ppm	1.0485 ppm	1.0243 ppm	0.1203 ppm	0.5604 ppm
Concentration per Run 3	0.1182 ppm	1.0893 ppm	0.9705 ppm	1.0483 ppm	1.0242 ppm	0.1164 ppm	0.5620 ppm
Concentration RSD	1.1 %	0.1 %	0.1 %	1.1 %	0.1 %	2.3 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5512 ppm	101.0793 %	96.3232 %	95.1563 %	98.3633 %	96.7279 %	96.8308 %
Concentration per Run 1	0.5507 ppm	100.3292 %	96.4014 %	95.0386 %	97.9359 %	96.9688 %	96.8827 %
Concentration per Run 2	0.5511 ppm	101.0902 %	96.4454 %	95.2824 %	98.4251 %	96.6088 %	96.8870 %
Concentration per Run 3	0.5517 ppm	101.8185 %	96.1229 %	95.1479 %	98.7288 %	96.6061 %	96.7228 %
Concentration RSD	0.1 %	0.7 %	0.2 %	0.1 %	0.4 %	0.2 %	0.1 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: WG2085313-2 WG2085313
 Analysis started at: 6/30/2025 3:13:57 PM
 Comments: <Comment>
 Rack: 1
 Vial: 36

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0578 ppm	2.3013 ppm	0.1170 ppm	0.9586 ppm	2.3060 ppm	0.0563 ppm	10.1285 ppm
Concentration per Run 1	0.0577 ppm	2.3618 ppm	0.1175 ppm	0.9620 ppm	2.3728 ppm	0.0579 ppm	10.3849 ppm
Concentration per Run 2	0.0577 ppm	2.2947 ppm	0.1175 ppm	0.9573 ppm	2.2833 ppm	0.0560 ppm	10.0874 ppm
Concentration per Run 3	0.0579 ppm	2.2475 ppm	0.1161 ppm	0.9563 ppm	2.2618 ppm	0.0551 ppm	9.9131 ppm
Concentration RSD	0.2 %	2.5 %	0.7 %	0.3 %	2.6 %	2.6 %	2.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0524 ppm	0.5454 ppm	0.2209 ppm	0.2725 ppm	1.1680 ppm	10.2329 ppm	0.0008 ppm
Concentration per Run 1	0.0525 ppm	0.5468 ppm	0.2207 ppm	0.2725 ppm	1.1976 ppm	10.4982 ppm	0.0003 ppm
Concentration per Run 2	0.0524 ppm	0.5448 ppm	0.2208 ppm	0.2724 ppm	1.1648 ppm	10.1988 ppm	0.0006 ppm
Concentration per Run 3	0.0522 ppm	0.5446 ppm	0.2213 ppm	0.2725 ppm	1.1417 ppm	10.0017 ppm	0.0016 ppm
Concentration RSD	0.4 %	0.2 %	0.1 %	0.0 %	2.4 %	2.4 %	81.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	9.7478 ppm	0.5713 ppm	0.9716 ppm	10.7314 ppm	0.5473 ppm	0.5173 ppm	0.5088 ppm
Concentration per Run 1	9.7181 ppm	0.5854 ppm	0.9746 ppm	11.0185 ppm	0.5483 ppm	0.5203 ppm	0.5133 ppm
Concentration per Run 2	9.7642 ppm	0.5687 ppm	0.9716 ppm	10.6895 ppm	0.5473 ppm	0.5165 ppm	0.5086 ppm
Concentration per Run 3	9.7609 ppm	0.5597 ppm	0.9686 ppm	10.4860 ppm	0.5461 ppm	0.5152 ppm	0.5044 ppm
Concentration RSD	0.3 %	2.3 %	0.3 %	2.5 %	0.2 %	0.5 %	0.9 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1121 ppm	1.3080 ppm	0.9533 ppm	1.0669 ppm	0.9961 ppm	0.1117 ppm	0.5542 ppm
Concentration per Run 1	0.1167 ppm	1.3102 ppm	0.9574 ppm	1.0959 ppm	0.9957 ppm	0.1119 ppm	0.5539 ppm
Concentration per Run 2	0.1084 ppm	1.3093 ppm	0.9518 ppm	1.0631 ppm	0.9958 ppm	0.1130 ppm	0.5540 ppm
Concentration per Run 3	0.1111 ppm	1.3046 ppm	0.9506 ppm	1.0416 ppm	0.9969 ppm	0.1102 ppm	0.5547 ppm
Concentration RSD	3.8 %	0.2 %	0.4 %	2.6 %	0.1 %	1.3 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5482 ppm	95.6757 %	94.8818 %	94.3027 %	92.4990 %	93.8601 %	95.2016 %
Concentration per Run 1	0.5494 ppm	93.8850 %	95.0487 %	94.1911 %	90.6185 %	93.5832 %	95.3093 %
Concentration per Run 2	0.5479 ppm	95.8385 %	94.7689 %	94.2431 %	92.7763 %	93.9136 %	95.0577 %
Concentration per Run 3	0.5474 ppm	97.3036 %	94.8279 %	94.4738 %	94.1024 %	94.0836 %	95.2378 %
Concentration RSD	0.2 %	1.8 %	0.2 %	0.2 %	1.9 %	0.3 %	0.1 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: L2540814-01 WG2085313
 Analysis started at: 6/30/2025 3:20:10 PM
 Comments: <Comment>
 Rack: 1
 Vial: 37

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0508 ppm	0.0000 ppm	0.0095 ppm	0.0631 ppm	0.0001 ppm	4.9014 ppm
Concentration per Run 1	-0.0002 ppm	0.0514 ppm	0.0008 ppm	0.0094 ppm	0.0639 ppm	0.0001 ppm	4.9682 ppm
Concentration per Run 2	0.0001 ppm	0.0546 ppm	-0.0003 ppm	0.0094 ppm	0.0629 ppm	0.0001 ppm	4.8952 ppm
Concentration per Run 3	0.0001 ppm	0.0465 ppm	-0.0005 ppm	0.0097 ppm	0.0625 ppm	0.0001 ppm	4.8409 ppm
Concentration RSD	632.0 %	8.0 %	2,932.6 %	1.8 %	1.1 %	14.2 %	1.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0005 ppm	0.0025 ppm	0.0003 ppm	0.0044 ppm	0.0428 ppm	0.8220 ppm	0.0024 ppm
Concentration per Run 1	0.0005 ppm	0.0025 ppm	0.0003 ppm	0.0043 ppm	0.0430 ppm	0.8095 ppm	0.0019 ppm
Concentration per Run 2	0.0006 ppm	0.0026 ppm	0.0003 ppm	0.0044 ppm	0.0424 ppm	0.8218 ppm	0.0014 ppm
Concentration per Run 3	0.0005 ppm	0.0025 ppm	0.0003 ppm	0.0045 ppm	0.0431 ppm	0.8347 ppm	0.0038 ppm
Concentration RSD	3.6 %	2.7 %	7.5 %	3.4 %	0.9 %	1.5 %	53.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.3231 ppm	0.1813 ppm	0.0031 ppm	141.5599 ppm	0.0025 ppm	0.0899 ppm	0.0038 ppm
Concentration per Run 1	0.3221 ppm	0.1835 ppm	0.0033 ppm	143.7203 ppm	0.0024 ppm	0.0909 ppm	0.0030 ppm
Concentration per Run 2	0.3239 ppm	0.1810 ppm	0.0030 ppm	140.9217 ppm	0.0025 ppm	0.0894 ppm	0.0048 ppm
Concentration per Run 3	0.3234 ppm	0.1794 ppm	0.0030 ppm	140.0377 ppm	0.0025 ppm	0.0895 ppm	0.0035 ppm
Concentration RSD	0.3 %	1.1 %	6.3 %	1.4 %	2.0 %	1.0 %	24.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0006 ppm	0.2158 ppm	0.0032 ppm	0.0180 ppm	0.0009 ppm	-0.0035 ppm	0.0004 ppm
Concentration per Run 1	0.0002 ppm	0.2143 ppm	0.0033 ppm	0.0182 ppm	0.0008 ppm	-0.0045 ppm	0.0001 ppm
Concentration per Run 2	0.0013 ppm	0.2170 ppm	0.0035 ppm	0.0181 ppm	0.0011 ppm	-0.0031 ppm	0.0005 ppm
Concentration per Run 3	0.0004 ppm	0.2163 ppm	0.0027 ppm	0.0178 ppm	0.0007 ppm	-0.0030 ppm	0.0005 ppm
Concentration RSD	90.0 %	0.6 %	13.0 %	1.2 %	20.7 %	23.3 %	55.5 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0586 ppm	96.1344 %	91.0560 %	91.7402 %	93.3624 %	88.4152 %	91.6274 %
Concentration per Run 1	0.0589 ppm	94.6605 %	91.2529 %	91.5535 %	92.0696 %	88.3917 %	91.7967 %
Concentration per Run 2	0.0585 ppm	96.6615 %	90.9300 %	91.7588 %	93.8189 %	88.4352 %	91.5442 %
Concentration per Run 3	0.0585 ppm	97.0812 %	90.9852 %	91.9084 %	94.1989 %	88.4186 %	91.5415 %
Concentration RSD	0.4 %	1.3 %	0.2 %	0.2 %	1.2 %	0.0 %	0.2 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: WG2085313-3 WG2085313
 Analysis started at: 6/30/2025 3:26:40 PM
 Comments: <Comment>
 Rack: 1
 Vial: 38

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0601 ppm	2.2963 ppm	0.1273 ppm	1.0149 ppm	2.2789 ppm	0.0556 ppm	14.6343 ppm
Concentration per Run 1	0.0603 ppm	2.2859 ppm	0.1265 ppm	1.0133 ppm	2.2716 ppm	0.0553 ppm	14.5013 ppm
Concentration per Run 2	0.0599 ppm	2.2943 ppm	0.1275 ppm	1.0174 ppm	2.2522 ppm	0.0557 ppm	14.6616 ppm
Concentration per Run 3	0.0600 ppm	2.3085 ppm	0.1279 ppm	1.0139 ppm	2.3129 ppm	0.0559 ppm	14.7399 ppm
Concentration RSD	0.3 %	0.5 %	0.6 %	0.2 %	1.4 %	0.6 %	0.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0558 ppm	0.5665 ppm	0.2274 ppm	0.2843 ppm	1.1780 ppm	11.1642 ppm	0.0042 ppm
Concentration per Run 1	0.0557 ppm	0.5658 ppm	0.2289 ppm	0.2840 ppm	1.1647 ppm	11.1012 ppm	0.0037 ppm
Concentration per Run 2	0.0558 ppm	0.5669 ppm	0.2267 ppm	0.2844 ppm	1.1829 ppm	11.1957 ppm	0.0042 ppm
Concentration per Run 3	0.0559 ppm	0.5670 ppm	0.2267 ppm	0.2845 ppm	1.1866 ppm	11.1957 ppm	0.0046 ppm
Concentration RSD	0.2 %	0.1 %	0.6 %	0.1 %	1.0 %	0.5 %	10.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	9.9756 ppm	0.7346 ppm	1.0123 ppm	152.0665 ppm	0.5676 ppm	0.6157 ppm	0.5289 ppm
Concentration per Run 1	10.0142 ppm	0.7290 ppm	1.0107 ppm	150.6778 ppm	0.5676 ppm	0.6164 ppm	0.5275 ppm
Concentration per Run 2	9.9557 ppm	0.7355 ppm	1.0136 ppm	151.9333 ppm	0.5681 ppm	0.6157 ppm	0.5317 ppm
Concentration per Run 3	9.9569 ppm	0.7394 ppm	1.0126 ppm	153.5884 ppm	0.5670 ppm	0.6148 ppm	0.5274 ppm
Concentration RSD	0.3 %	0.7 %	0.1 %	1.0 %	0.1 %	0.1 %	0.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1215 ppm	1.5971 ppm	0.9795 ppm	1.0539 ppm	1.0226 ppm	0.1072 ppm	0.5744 ppm
Concentration per Run 1	0.1243 ppm	1.5964 ppm	0.9794 ppm	1.0471 ppm	1.0243 ppm	0.1050 ppm	0.5752 ppm
Concentration per Run 2	0.1218 ppm	1.5986 ppm	0.9789 ppm	1.0564 ppm	1.0217 ppm	0.1068 ppm	0.5742 ppm
Concentration per Run 3	0.1186 ppm	1.5962 ppm	0.9802 ppm	1.0582 ppm	1.0220 ppm	0.1097 ppm	0.5739 ppm
Concentration RSD	2.4 %	0.1 %	0.1 %	0.6 %	0.1 %	2.2 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.6414 ppm	98.8570 %	90.5048 %	90.7815 %	95.3162 %	88.3620 %	91.0105 %
Concentration per Run 1	0.6417 ppm	99.4323 %	90.3371 %	90.7635 %	96.0361 %	88.4563 %	90.7870 %
Concentration per Run 2	0.6408 ppm	98.9968 %	90.6410 %	90.7324 %	95.4842 %	88.2164 %	91.2616 %
Concentration per Run 3	0.6418 ppm	98.1420 %	90.5364 %	90.8487 %	94.4283 %	88.4133 %	90.9830 %
Concentration RSD	0.1 %	0.7 %	0.2 %	0.1 %	0.9 %	0.1 %	0.3 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: WG2085313-4 WG2085313
 Analysis started at: 6/30/2025 3:33:06 PM
 Comments: <Comment>
 Rack: 1
 Vial: 39

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0482 ppm	0.0012 ppm	0.0099 ppm	0.0622 ppm	0.0000 ppm	4.8328 ppm
Concentration per Run 1	0.0000 ppm	0.0479 ppm	0.0015 ppm	0.0106 ppm	0.0623 ppm	0.0000 ppm	4.8088 ppm
Concentration per Run 2	-0.0001 ppm	0.0506 ppm	0.0008 ppm	0.0096 ppm	0.0621 ppm	0.0001 ppm	4.8481 ppm
Concentration per Run 3	0.0002 ppm	0.0461 ppm	0.0013 ppm	0.0096 ppm	0.0622 ppm	0.0000 ppm	4.8415 ppm
Concentration RSD	550.4 %	4.7 %	29.8 %	5.5 %	0.1 %	46.3 %	0.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0006 ppm	0.0024 ppm	0.0004 ppm	0.0047 ppm	0.0417 ppm	0.8848 ppm	0.0044 ppm
Concentration per Run 1	0.0006 ppm	0.0024 ppm	0.0004 ppm	0.0046 ppm	0.0402 ppm	0.8650 ppm	0.0043 ppm
Concentration per Run 2	0.0006 ppm	0.0024 ppm	0.0005 ppm	0.0047 ppm	0.0435 ppm	0.8985 ppm	0.0044 ppm
Concentration per Run 3	0.0005 ppm	0.0025 ppm	0.0004 ppm	0.0048 ppm	0.0413 ppm	0.8910 ppm	0.0045 ppm
Concentration RSD	4.8 %	2.5 %	3.3 %	1.9 %	4.1 %	2.0 %	3.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.3296 ppm	0.1792 ppm	0.0021 ppm	138.6080 ppm	0.0027 ppm	0.0908 ppm	0.0034 ppm
Concentration per Run 1	0.3288 ppm	0.1789 ppm	0.0024 ppm	138.1009 ppm	0.0029 ppm	0.0914 ppm	0.0037 ppm
Concentration per Run 2	0.3283 ppm	0.1794 ppm	0.0021 ppm	139.1434 ppm	0.0024 ppm	0.0900 ppm	0.0045 ppm
Concentration per Run 3	0.3317 ppm	0.1794 ppm	0.0020 ppm	138.5797 ppm	0.0030 ppm	0.0910 ppm	0.0019 ppm
Concentration RSD	0.6 %	0.2 %	10.0 %	0.4 %	10.9 %	0.8 %	39.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0007 ppm	0.2229 ppm	0.0023 ppm	0.0180 ppm	0.0007 ppm	-0.0030 ppm	0.0003 ppm
Concentration per Run 1	0.0012 ppm	0.2262 ppm	0.0024 ppm	0.0179 ppm	0.0009 ppm	-0.0022 ppm	0.0003 ppm
Concentration per Run 2	0.0010 ppm	0.2214 ppm	0.0021 ppm	0.0178 ppm	0.0007 ppm	-0.0033 ppm	0.0002 ppm
Concentration per Run 3	-0.0002 ppm	0.2210 ppm	0.0025 ppm	0.0182 ppm	0.0007 ppm	-0.0036 ppm	0.0004 ppm
Concentration RSD	108.9 %	1.3 %	7.4 %	1.3 %	17.1 %	24.7 %	29.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0619 ppm	97.7762 %	90.9057 %	91.3805 %	95.0225 %	88.3350 %	91.5059 %
Concentration per Run 1	0.0619 ppm	97.9922 %	90.7884 %	91.3052 %	95.3387 %	88.2890 %	91.4092 %
Concentration per Run 2	0.0617 ppm	97.5547 %	91.0120 %	91.4289 %	94.7969 %	88.4879 %	91.5989 %
Concentration per Run 3	0.0621 ppm	97.7816 %	90.9166 %	91.4073 %	94.9319 %	88.2281 %	91.5097 %
Concentration RSD	0.4 %	0.2 %	0.1 %	0.1 %	0.3 %	0.2 %	0.1 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: CCV
 Analysis started at: 6/30/2025 3:39:35 PM
 Comments: <Comment>
 Rack: 0
 Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.5445 ppm	0.4888 ppm	0.4878 ppm	0.5019 ppm	0.5092 ppm	0.5067 ppm	0.5098 ppm
Concentration per Run 1	0.5446 ppm	0.4980 ppm	0.4884 ppm	0.5012 ppm	0.5155 ppm	0.5137 ppm	0.5191 ppm
Concentration per Run 2	0.5456 ppm	0.4844 ppm	0.4887 ppm	0.5025 ppm	0.5066 ppm	0.5039 ppm	0.5076 ppm
Concentration per Run 3	0.5433 ppm	0.4839 ppm	0.4863 ppm	0.5021 ppm	0.5057 ppm	0.5025 ppm	0.5026 ppm
Recovery Percentage 1	108.900 %	97.759 %	97.558 %	100.381 %	101.846 %	101.342 %	101.957 %
Concentration RSD	0.2 %	1.6 %	0.3 %	0.1 %	1.1 %	1.2 %	1.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.5071 ppm	0.5156 ppm	0.5214 ppm	0.5161 ppm	0.5216 ppm	5.1716 ppm	0.5202 ppm
Concentration per Run 1	0.5071 ppm	0.5155 ppm	0.5224 ppm	0.5163 ppm	0.5277 ppm	5.2588 ppm	0.5270 ppm
Concentration per Run 2	0.5073 ppm	0.5156 ppm	0.5213 ppm	0.5157 ppm	0.5172 ppm	5.1393 ppm	0.5177 ppm
Concentration per Run 3	0.5070 ppm	0.5156 ppm	0.5205 ppm	0.5163 ppm	0.5198 ppm	5.1167 ppm	0.5159 ppm
Recovery Percentage 1	101.427 %	103.116 %	104.280 %	103.217 %	104.310 %	103.432 %	104.042 %
Concentration RSD	0.0 %	0.0 %	0.2 %	0.1 %	1.1 %	1.5 %	1.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5255 ppm	0.5262 ppm	0.4917 ppm	10.3249 ppm	0.5124 ppm	0.5117 ppm	0.5205 ppm
Concentration per Run 1	0.5232 ppm	0.5326 ppm	0.4911 ppm	10.4712 ppm	0.5123 ppm	0.5109 ppm	0.5209 ppm
Concentration per Run 2	0.5265 ppm	0.5241 ppm	0.4921 ppm	10.2519 ppm	0.5121 ppm	0.5113 ppm	0.5223 ppm
Concentration per Run 3	0.5266 ppm	0.5218 ppm	0.4919 ppm	10.2516 ppm	0.5126 ppm	0.5129 ppm	0.5182 ppm
Recovery Percentage 1	105.092 %	105.235 %	98.336 %	103.249 %	102.471 %	102.342 %	104.093 %
Concentration RSD	0.4 %	1.1 %	0.1 %	1.2 %	0.0 %	0.2 %	0.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4887 ppm	5.5177 ppm	0.5008 ppm	0.5365 ppm	0.5145 ppm	0.5092 ppm	0.5141 ppm
Concentration per Run 1	0.4885 ppm	5.5212 ppm	0.4986 ppm	0.5437 ppm	0.5144 ppm	0.5064 ppm	0.5137 ppm
Concentration per Run 2	0.4903 ppm	5.5133 ppm	0.5040 ppm	0.5328 ppm	0.5150 ppm	0.5105 ppm	0.5147 ppm
Concentration per Run 3	0.4874 ppm	5.5187 ppm	0.4998 ppm	0.5330 ppm	0.5139 ppm	0.5107 ppm	0.5138 ppm
Recovery Percentage 1	97.747 %	105.100 %	100.159 %	107.298 %	102.893 %	101.841 %	102.818 %
Concentration RSD	0.3 %	0.1 %	0.6 %	1.2 %	0.1 %	0.5 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5126 ppm	99.3278 %	96.3212 %	95.6221 %	96.3087 %	97.3927 %	96.6292 %
Concentration per Run 1	0.5127 ppm	97.7373 %	96.4895 %	95.7072 %	95.0097 %	97.4158 %	96.8307 %
Concentration per Run 2	0.5124 ppm	99.5286 %	96.0613 %	95.6962 %	96.5836 %	97.4427 %	96.3499 %
Concentration per Run 3	0.5125 ppm	100.7174 %	96.4129 %	95.4629 %	97.3329 %	97.3195 %	96.7069 %
Recovery Percentage 1	102.511 %						
Concentration RSD	0.0 %	1.5 %	0.2 %	0.1 %	1.2 %	0.1 %	0.3 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: CCB
 Analysis started at: 6/30/2025 3:45:42 PM
 Comments: <Comment>
 Rack: 0
 Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	-0.0024 ppm	0.0004 ppm	0.0021 ppm	0.0001 ppm	0.0000 ppm	0.0016 ppm
Concentration per Run 1	-0.0001 ppm	-0.0063 ppm	0.0010 ppm	0.0022 ppm	0.0001 ppm	0.0000 ppm	0.0027 ppm
Concentration per Run 2	0.0002 ppm	-0.0032 ppm	0.0002 ppm	0.0022 ppm	0.0000 ppm	0.0001 ppm	0.0005 ppm
Concentration per Run 3	0.0000 ppm	0.0022 ppm	0.0000 ppm	0.0020 ppm	0.0001 ppm	0.0001 ppm	0.0016 ppm
Recovery Percentage 1	0.374 %	-2.438 %	7.638 %	7.137 %	0.514 %	0.907 %	1.583 %
Concentration RSD	724.1 %	176.9 %	146.6 %	4.1 %	86.8 %	78.1 %	69.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0001 ppm	0.0004 ppm	0.0011 ppm	0.0302 ppm	-0.0005 ppm
Concentration per Run 1	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0004 ppm	0.0014 ppm	0.0171 ppm	-0.0010 ppm
Concentration per Run 2	0.0000 ppm	-0.0001 ppm	0.0001 ppm	0.0004 ppm	0.0007 ppm	0.0498 ppm	-0.0001 ppm
Concentration per Run 3	0.0000 ppm	0.0000 ppm	0.0001 ppm	0.0003 ppm	0.0012 ppm	0.0238 ppm	-0.0003 ppm
Recovery Percentage 1	0.589 %	-0.175 %	0.948 %	3.657 %	2.186 %	1.210 %	-4.793 %
Concentration RSD	162.0 %	134.7 %	57.2 %	6.1 %	32.7 %	57.2 %	101.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	-0.0005 ppm	0.0000 ppm	0.0016 ppm	0.0523 ppm	0.0002 ppm	-0.0003 ppm	0.0015 ppm
Concentration per Run 1	0.0006 ppm	0.0000 ppm	0.0019 ppm	0.0536 ppm	0.0004 ppm	-0.0001 ppm	0.0013 ppm
Concentration per Run 2	-0.0010 ppm	0.0000 ppm	0.0016 ppm	0.0485 ppm	0.0002 ppm	-0.0005 ppm	0.0013 ppm
Concentration per Run 3	-0.0011 ppm	-0.0001 ppm	0.0013 ppm	0.0549 ppm	0.0002 ppm	-0.0002 ppm	0.0019 ppm
Recovery Percentage 1	-0.484 %	-0.103 %	3.183 %	2.616 %	0.964 %	-2.649 %	3.039 %
Concentration RSD	201.8 %	778.8 %	20.6 %	6.5 %	54.0 %	74.8 %	21.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0027 ppm	-0.0012 ppm	0.0000 ppm	0.0001 ppm	0.0002 ppm	-0.0003 ppm	0.0000 ppm
Concentration per Run 1	0.0031 ppm	-0.0009 ppm	0.0000 ppm	0.0001 ppm	0.0002 ppm	-0.0015 ppm	0.0002 ppm
Concentration per Run 2	0.0028 ppm	-0.0015 ppm	-0.0003 ppm	0.0000 ppm	0.0002 ppm	0.0004 ppm	-0.0001 ppm
Concentration per Run 3	0.0023 ppm	-0.0014 ppm	0.0002 ppm	0.0001 ppm	0.0002 ppm	0.0001 ppm	0.0000 ppm
Recovery Percentage 1	27.293 %	-0.246 %	-0.044 %	0.723 %	2.065 %	-1.667 %	0.437 %
Concentration RSD	14.1 %	26.4 %	1,093.2 %	56.9 %	6.1 %	303.7 %	310.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	-0.0001 ppm	101.0234 %	97.2412 %	95.9454 %	96.6644 %	98.5475 %	95.8434 %
Concentration per Run 1	-0.0002 ppm	99.2046 %	97.2816 %	96.1982 %	94.9534 %	98.3090 %	95.8237 %
Concentration per Run 2	-0.0001 ppm	101.6736 %	97.1065 %	95.9685 %	97.1893 %	98.7727 %	95.7145 %
Concentration per Run 3	0.0000 ppm	102.1920 %	97.3354 %	95.6696 %	97.8504 %	98.5608 %	95.9920 %
Recovery Percentage 1	-1.779 %						
Concentration RSD	119.4 %	1.6 %	0.1 %	0.3 %	1.6 %	0.2 %	0.1 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: I2539492-02 WG2085257
 Analysis started at: 6/30/2025 4:15:44 PM
 Comments: <Comment>
 Rack: 1
 Vial: 42

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.9313 ppm	0.0086 ppm	0.1208 ppm	0.0990 ppm	0.0001 ppm	31.6278 ppm
Concentration per Run 1	0.0000 ppm	0.9090 ppm	0.0102 ppm	0.1201 ppm	0.0982 ppm	0.0001 ppm	31.4643 ppm
Concentration per Run 2	-0.0001 ppm	0.9491 ppm	0.0076 ppm	0.1207 ppm	0.0996 ppm	0.0001 ppm	31.7675 ppm
Concentration per Run 3	-0.0002 ppm	0.9359 ppm	0.0081 ppm	0.1215 ppm	0.0993 ppm	0.0001 ppm	31.6516 ppm
Concentration RSD	143.9 %	2.2 %	16.3 %	0.6 %	0.8 %	25.8 %	0.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0003 ppm	0.0098 ppm	0.0378 ppm	0.0228 ppm	16.4322 ppm	9.0734 ppm	0.2379 ppm
Concentration per Run 1	-0.0002 ppm	0.0097 ppm	0.0377 ppm	0.0228 ppm	16.3398 ppm	9.0295 ppm	0.2358 ppm
Concentration per Run 2	-0.0002 ppm	0.0099 ppm	0.0377 ppm	0.0228 ppm	16.5068 ppm	9.1136 ppm	0.2389 ppm
Concentration per Run 3	-0.0003 ppm	0.0097 ppm	0.0378 ppm	0.0226 ppm	16.4501 ppm	9.0771 ppm	0.2389 ppm
Concentration RSD	5.6 %	0.9 %	0.1 %	0.6 %	0.5 %	0.5 %	0.8 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	3.8943 ppm	0.8903 ppm	0.0182 ppm	149.3662 ppm	0.0317 ppm	0.0043 ppm	0.0005 ppm
Concentration per Run 1	3.8891 ppm	0.8853 ppm	0.0181 ppm	147.6171 ppm	0.0315 ppm	0.0038 ppm	0.0009 ppm
Concentration per Run 2	3.8825 ppm	0.8938 ppm	0.0181 ppm	149.4883 ppm	0.0316 ppm	0.0048 ppm	-0.0011 ppm
Concentration per Run 3	3.9112 ppm	0.8919 ppm	0.0185 ppm	150.9933 ppm	0.0319 ppm	0.0042 ppm	0.0017 ppm
Concentration RSD	0.4 %	0.5 %	1.3 %	1.1 %	0.8 %	12.3 %	277.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0020 ppm	14.1392 ppm	0.0002 ppm	0.2588 ppm	0.0142 ppm	-0.0033 ppm	0.0092 ppm
Concentration per Run 1	0.0004 ppm	14.1046 ppm	-0.0002 ppm	0.2569 ppm	0.0151 ppm	-0.0005 ppm	0.0093 ppm
Concentration per Run 2	0.0042 ppm	14.1092 ppm	0.0006 ppm	0.2603 ppm	0.0142 ppm	-0.0042 ppm	0.0091 ppm
Concentration per Run 3	0.0012 ppm	14.2039 ppm	0.0002 ppm	0.2593 ppm	0.0134 ppm	-0.0052 ppm	0.0092 ppm
Concentration RSD	103.2 %	0.4 %	209.6 %	0.7 %	5.7 %	74.0 %	0.9 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0678 ppm	105.6261 %	93.7526 %	92.6266 %	101.6055 %	88.5955 %	92.6669 %
Concentration per Run 1	0.0677 ppm	105.7611 %	93.6582 %	92.9752 %	102.0825 %	88.9469 %	92.5550 %
Concentration per Run 2	0.0677 ppm	105.2445 %	94.0582 %	92.9093 %	101.2093 %	88.5960 %	92.9784 %
Concentration per Run 3	0.0679 ppm	105.8727 %	93.5413 %	91.9952 %	101.5248 %	88.2434 %	92.4672 %
Concentration RSD	0.2 %	0.3 %	0.3 %	0.6 %	0.4 %	0.4 %	0.3 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: WG2085257-3 WG2085257
 Analysis started at: 6/30/2025 4:22:07 PM
 Comments: <Comment>
 Rack: 1
 Vial: 43

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0621 ppm	3.3255 ppm	0.1442 ppm	1.1985 ppm	2.4082 ppm	0.0561 ppm	42.4150 ppm
Concentration per Run 1	0.0621 ppm	3.3291 ppm	0.1446 ppm	1.1977 ppm	2.4342 ppm	0.0561 ppm	42.4698 ppm
Concentration per Run 2	0.0622 ppm	3.3157 ppm	0.1439 ppm	1.1975 ppm	2.3966 ppm	0.0561 ppm	42.3586 ppm
Concentration per Run 3	0.0620 ppm	3.3318 ppm	0.1440 ppm	1.2005 ppm	2.3936 ppm	0.0561 ppm	42.4166 ppm
Concentration RSD	0.2 %	0.3 %	0.2 %	0.1 %	0.9 %	0.1 %	0.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0543 ppm	0.5743 ppm	0.2676 ppm	0.3185 ppm	18.4491 ppm	19.8897 ppm	0.2454 ppm
Concentration per Run 1	0.0544 ppm	0.5750 ppm	0.2675 ppm	0.3193 ppm	18.4682 ppm	19.9193 ppm	0.2447 ppm
Concentration per Run 2	0.0543 ppm	0.5737 ppm	0.2671 ppm	0.3180 ppm	18.4241 ppm	19.9443 ppm	0.2448 ppm
Concentration per Run 3	0.0543 ppm	0.5743 ppm	0.2683 ppm	0.3182 ppm	18.4551 ppm	19.8056 ppm	0.2467 ppm
Concentration RSD	0.2 %	0.1 %	0.2 %	0.2 %	0.1 %	0.4 %	0.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	13.9862 ppm	1.4608 ppm	1.0457 ppm	162.0183 ppm	0.5976 ppm	0.5467 ppm	0.5203 ppm
Concentration per Run 1	14.0002 ppm	1.4608 ppm	1.0435 ppm	165.6346 ppm	0.5979 ppm	0.5468 ppm	0.5200 ppm
Concentration per Run 2	13.9436 ppm	1.4586 ppm	1.0453 ppm	159.1020 ppm	0.5972 ppm	0.5458 ppm	0.5192 ppm
Concentration per Run 3	14.0148 ppm	1.4632 ppm	1.0482 ppm	161.3182 ppm	0.5976 ppm	0.5476 ppm	0.5217 ppm
Concentration RSD	0.3 %	0.2 %	0.2 %	2.1 %	0.1 %	0.2 %	0.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1348 ppm	15.6463 ppm	0.9405 ppm	1.3388 ppm	1.0525 ppm	0.1123 ppm	0.5832 ppm
Concentration per Run 1	0.1352 ppm	15.6452 ppm	0.9412 ppm	1.3382 ppm	1.0529 ppm	0.1111 ppm	0.5837 ppm
Concentration per Run 2	0.1326 ppm	15.6324 ppm	0.9399 ppm	1.3367 ppm	1.0523 ppm	0.1119 ppm	0.5824 ppm
Concentration per Run 3	0.1365 ppm	15.6613 ppm	0.9405 ppm	1.3416 ppm	1.0524 ppm	0.1138 ppm	0.5836 ppm
Concentration RSD	1.5 %	0.1 %	0.1 %	0.2 %	0.0 %	1.3 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.6453 ppm	104.1932 %	93.2530 %	91.9745 %	99.4575 %	88.6197 %	92.1552 %
Concentration per Run 1	0.6458 ppm	103.7743 %	93.0383 %	92.1313 %	99.1868 %	88.6353 %	91.8245 %
Concentration per Run 2	0.6447 ppm	104.0141 %	93.5270 %	91.9987 %	99.5527 %	88.6360 %	92.4466 %
Concentration per Run 3	0.6454 ppm	104.7912 %	93.1937 %	91.7935 %	99.6330 %	88.5877 %	92.1946 %
Concentration RSD	0.1 %	0.5 %	0.3 %	0.2 %	0.2 %	0.0 %	0.3 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: WG2085257-4 WG2085257
 Analysis started at: 6/30/2025 4:28:28 PM
 Comments: <Comment>
 Rack: 1
 Vial: 44

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0003 ppm	1.4696 ppm	0.0094 ppm	0.1214 ppm	0.1034 ppm	0.0002 ppm	32.1917 ppm
Concentration per Run 1	-0.0001 ppm	1.4824 ppm	0.0103 ppm	0.1217 ppm	0.1031 ppm	0.0002 ppm	32.0929 ppm
Concentration per Run 2	-0.0001 ppm	1.4574 ppm	0.0091 ppm	0.1215 ppm	0.1035 ppm	0.0001 ppm	32.3106 ppm
Concentration per Run 3	-0.0006 ppm	1.4689 ppm	0.0088 ppm	0.1209 ppm	0.1035 ppm	0.0001 ppm	32.1717 ppm
Concentration RSD	90.9 %	0.9 %	8.3 %	0.3 %	0.2 %	19.7 %	0.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0002 ppm	0.0102 ppm	0.0534 ppm	0.0297 ppm	17.8338 ppm	9.3897 ppm	0.2459 ppm
Concentration per Run 1	-0.0002 ppm	0.0101 ppm	0.0537 ppm	0.0299 ppm	17.7541 ppm	9.3622 ppm	0.2456 ppm
Concentration per Run 2	-0.0002 ppm	0.0103 ppm	0.0532 ppm	0.0293 ppm	17.8922 ppm	9.4136 ppm	0.2465 ppm
Concentration per Run 3	-0.0003 ppm	0.0103 ppm	0.0531 ppm	0.0298 ppm	17.8550 ppm	9.3933 ppm	0.2457 ppm
Concentration RSD	9.5 %	1.1 %	0.6 %	1.2 %	0.4 %	0.3 %	0.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	4.0331 ppm	0.9146 ppm	0.0323 ppm	148.2433 ppm	0.0321 ppm	0.0043 ppm	0.0060 ppm
Concentration per Run 1	4.0331 ppm	0.9119 ppm	0.0326 ppm	147.1874 ppm	0.0319 ppm	0.0044 ppm	0.0066 ppm
Concentration per Run 2	4.0239 ppm	0.9181 ppm	0.0326 ppm	150.1371 ppm	0.0322 ppm	0.0045 ppm	0.0060 ppm
Concentration per Run 3	4.0424 ppm	0.9136 ppm	0.0316 ppm	147.4055 ppm	0.0323 ppm	0.0041 ppm	0.0052 ppm
Concentration RSD	0.2 %	0.3 %	1.7 %	1.1 %	0.6 %	5.4 %	11.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0032 ppm	15.0334 ppm	0.0017 ppm	0.2688 ppm	0.0237 ppm	-0.0045 ppm	0.0102 ppm
Concentration per Run 1	0.0043 ppm	15.0286 ppm	0.0018 ppm	0.2677 ppm	0.0238 ppm	-0.0046 ppm	0.0101 ppm
Concentration per Run 2	0.0021 ppm	15.0836 ppm	0.0023 ppm	0.2700 ppm	0.0233 ppm	-0.0050 ppm	0.0101 ppm
Concentration per Run 3	0.0031 ppm	14.9881 ppm	0.0010 ppm	0.2686 ppm	0.0240 ppm	-0.0038 ppm	0.0104 ppm
Concentration RSD	33.6 %	0.3 %	38.7 %	0.4 %	1.6 %	13.4 %	1.6 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0689 ppm	103.8425 %	92.8269 %	91.7297 %	99.0899 %	88.4304 %	92.1624 %
Concentration per Run 1	0.0690 ppm	104.3111 %	92.9317 %	91.7760 %	99.6176 %	88.4260 %	92.2097 %
Concentration per Run 2	0.0688 ppm	103.5137 %	92.8689 %	91.7800 %	98.6104 %	88.4327 %	92.2592 %
Concentration per Run 3	0.0689 ppm	103.7026 %	92.6802 %	91.6331 %	99.0417 %	88.4325 %	92.0182 %
Concentration RSD	0.1 %	0.4 %	0.1 %	0.1 %	0.5 %	0.0 %	0.1 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: WG2085257-5 WG2085257
 Analysis started at: 6/30/2025 4:34:51 PM
 Comments: <Comment>
 Rack: 1
 Vial: 45

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0590 ppm	3.9144 ppm	0.1348 ppm	1.1511 ppm	2.2558 ppm	0.0529 ppm	40.6531 ppm
Concentration per Run 1	0.0590 ppm	3.8971 ppm	0.1349 ppm	1.1492 ppm	2.2523 ppm	0.0530 ppm	40.6946 ppm
Concentration per Run 2	0.0592 ppm	3.9062 ppm	0.1360 ppm	1.1535 ppm	2.2350 ppm	0.0528 ppm	40.6227 ppm
Concentration per Run 3	0.0589 ppm	3.9400 ppm	0.1335 ppm	1.1508 ppm	2.2802 ppm	0.0529 ppm	40.6419 ppm
Concentration RSD	0.3 %	0.6 %	0.9 %	0.2 %	1.0 %	0.2 %	0.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0517 ppm	0.5488 ppm	0.2523 ppm	0.2997 ppm	17.4996 ppm	19.4615 ppm	0.2357 ppm
Concentration per Run 1	0.0518 ppm	0.5484 ppm	0.2529 ppm	0.2988 ppm	17.5218 ppm	19.4841 ppm	0.2343 ppm
Concentration per Run 2	0.0517 ppm	0.5488 ppm	0.2519 ppm	0.3000 ppm	17.4763 ppm	19.4851 ppm	0.2371 ppm
Concentration per Run 3	0.0518 ppm	0.5491 ppm	0.2521 ppm	0.3004 ppm	17.5007 ppm	19.4152 ppm	0.2356 ppm
Concentration RSD	0.1 %	0.1 %	0.2 %	0.3 %	0.1 %	0.2 %	0.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	13.3207 ppm	1.3949 ppm	0.9896 ppm	153.0302 ppm	0.5665 ppm	0.5170 ppm	0.4165 ppm
Concentration per Run 1	13.3595 ppm	1.3963 ppm	0.9866 ppm	155.1692 ppm	0.5661 ppm	0.5168 ppm	0.4035 ppm
Concentration per Run 2	13.2846 ppm	1.3928 ppm	0.9910 ppm	152.7052 ppm	0.5669 ppm	0.5164 ppm	0.4166 ppm
Concentration per Run 3	13.3178 ppm	1.3956 ppm	0.9913 ppm	151.2160 ppm	0.5666 ppm	0.5179 ppm	0.4294 ppm
Concentration RSD	0.3 %	0.1 %	0.3 %	1.3 %	0.1 %	0.2 %	3.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1279 ppm	16.6443 ppm	0.9586 ppm	1.2921 ppm	1.0401 ppm	0.1065 ppm	0.5535 ppm
Concentration per Run 1	0.1261 ppm	16.6473 ppm	0.9570 ppm	1.2921 ppm	1.0424 ppm	0.1074 ppm	0.5536 ppm
Concentration per Run 2	0.1291 ppm	16.6415 ppm	0.9582 ppm	1.2909 ppm	1.0380 ppm	0.1040 ppm	0.5527 ppm
Concentration per Run 3	0.1284 ppm	16.6442 ppm	0.9605 ppm	1.2932 ppm	1.0399 ppm	0.1082 ppm	0.5541 ppm
Concentration RSD	1.2 %	0.0 %	0.2 %	0.1 %	0.2 %	2.1 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.6115 ppm	104.1371 %	93.0646 %	91.9170 %	99.7041 %	89.0447 %	92.4667 %
Concentration per Run 1	0.6115 ppm	104.0066 %	92.9976 %	92.1774 %	99.6181 %	89.1368 %	92.3351 %
Concentration per Run 2	0.6108 ppm	103.9446 %	93.1240 %	91.7010 %	99.6866 %	89.0544 %	92.5811 %
Concentration per Run 3	0.6124 ppm	104.4602 %	93.0720 %	91.8726 %	99.8076 %	88.9430 %	92.4839 %
Concentration RSD	0.1 %	0.3 %	0.1 %	0.3 %	0.1 %	0.1 %	0.1 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: WG2085257-6d5 WG2085257
 Analysis started at: 6/30/2025 4:41:14 PM
 Comments: <Comment>
 Rack: 1
 Vial: 46

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0003 ppm	0.2113 ppm	0.0025 ppm	0.0248 ppm	0.0199 ppm	0.0000 ppm	6.2772 ppm
Concentration per Run 1	-0.0001 ppm	0.2081 ppm	0.0012 ppm	0.0248 ppm	0.0198 ppm	0.0000 ppm	6.2277 ppm
Concentration per Run 2	-0.0004 ppm	0.2187 ppm	0.0041 ppm	0.0250 ppm	0.0199 ppm	0.0000 ppm	6.2703 ppm
Concentration per Run 3	-0.0005 ppm	0.2071 ppm	0.0022 ppm	0.0245 ppm	0.0200 ppm	0.0001 ppm	6.3336 ppm
Concentration RSD	75.1 %	3.0 %	60.2 %	1.0 %	0.7 %	65.1 %	0.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0018 ppm	0.0077 ppm	0.0045 ppm	3.3357 ppm	1.8028 ppm	0.0458 ppm
Concentration per Run 1	-0.0001 ppm	0.0018 ppm	0.0080 ppm	0.0045 ppm	3.3083 ppm	1.7917 ppm	0.0452 ppm
Concentration per Run 2	-0.0001 ppm	0.0018 ppm	0.0075 ppm	0.0045 ppm	3.3400 ppm	1.8054 ppm	0.0463 ppm
Concentration per Run 3	0.0000 ppm	0.0018 ppm	0.0078 ppm	0.0046 ppm	3.3589 ppm	1.8113 ppm	0.0459 ppm
Concentration RSD	58.3 %	2.3 %	3.4 %	1.6 %	0.8 %	0.6 %	1.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.7852 ppm	0.1787 ppm	0.0099 ppm	28.9804 ppm	0.0061 ppm	0.0008 ppm	0.0274 ppm
Concentration per Run 1	0.7857 ppm	0.1778 ppm	0.0106 ppm	28.8288 ppm	0.0063 ppm	0.0008 ppm	0.0314 ppm
Concentration per Run 2	0.7856 ppm	0.1782 ppm	0.0097 ppm	28.9318 ppm	0.0061 ppm	0.0006 ppm	0.0269 ppm
Concentration per Run 3	0.7844 ppm	0.1802 ppm	0.0093 ppm	29.1807 ppm	0.0061 ppm	0.0009 ppm	0.0238 ppm
Concentration RSD	0.1 %	0.7 %	6.8 %	0.6 %	1.7 %	15.7 %	13.9 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0000 ppm	2.6695 ppm	0.0053 ppm	0.0522 ppm	0.0043 ppm	-0.0020 ppm	0.0019 ppm
Concentration per Run 1	-0.0016 ppm	2.6745 ppm	0.0059 ppm	0.0519 ppm	0.0042 ppm	-0.0023 ppm	0.0019 ppm
Concentration per Run 2	0.0011 ppm	2.6624 ppm	0.0056 ppm	0.0520 ppm	0.0045 ppm	-0.0025 ppm	0.0019 ppm
Concentration per Run 3	0.0005 ppm	2.6714 ppm	0.0043 ppm	0.0527 ppm	0.0044 ppm	-0.0013 ppm	0.0020 ppm
Concentration RSD	8,861.4 %	0.2 %	16.0 %	0.8 %	3.7 %	33.5 %	3.9 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0130 ppm	102.7320 %	95.5564 %	94.5734 %	99.3090 %	96.2814 %	96.2847 %
Concentration per Run 1	0.0130 ppm	103.7334 %	95.5447 %	94.5996 %	100.2332 %	96.2396 %	96.1526 %
Concentration per Run 2	0.0128 ppm	102.7555 %	95.6186 %	94.5073 %	99.2453 %	96.2944 %	96.4196 %
Concentration per Run 3	0.0130 ppm	101.7070 %	95.5057 %	94.6132 %	98.4483 %	96.3101 %	96.2820 %
Concentration RSD	0.8 %	1.0 %	0.1 %	0.1 %	0.9 %	0.0 %	0.1 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: CCV
 Analysis started at: 6/30/2025 4:47:34 PM
 Comments: <Comment>
 Rack: 0
 Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.5460 ppm	0.4852 ppm	0.4842 ppm	0.5017 ppm	0.5061 ppm	0.4981 ppm	0.5035 ppm
Concentration per Run 1	0.5451 ppm	0.4885 ppm	0.4859 ppm	0.5014 ppm	0.5087 ppm	0.4989 ppm	0.5024 ppm
Concentration per Run 2	0.5461 ppm	0.4816 ppm	0.4835 ppm	0.5020 ppm	0.5062 ppm	0.4995 ppm	0.5091 ppm
Concentration per Run 3	0.5467 ppm	0.4856 ppm	0.4832 ppm	0.5018 ppm	0.5035 ppm	0.4958 ppm	0.4991 ppm
Recovery Percentage 1	109.194 %	97.042 %	96.845 %	100.349 %	101.218 %	99.619 %	100.706 %
Concentration RSD	0.1 %	0.7 %	0.3 %	0.1 %	0.5 %	0.4 %	1.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.5064 ppm	0.5167 ppm	0.5192 ppm	0.5168 ppm	0.5204 ppm	5.1719 ppm	0.5159 ppm
Concentration per Run 1	0.5076 ppm	0.5174 ppm	0.5200 ppm	0.5167 ppm	0.5221 ppm	5.2039 ppm	0.5165 ppm
Concentration per Run 2	0.5064 ppm	0.5171 ppm	0.5189 ppm	0.5173 ppm	0.5231 ppm	5.1482 ppm	0.5181 ppm
Concentration per Run 3	0.5051 ppm	0.5156 ppm	0.5188 ppm	0.5164 ppm	0.5160 ppm	5.1635 ppm	0.5132 ppm
Recovery Percentage 1	101.275 %	103.339 %	103.844 %	103.364 %	104.083 %	103.438 %	103.185 %
Concentration RSD	0.2 %	0.2 %	0.1 %	0.1 %	0.7 %	0.6 %	0.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5214 ppm	0.5166 ppm	0.4881 ppm	10.1867 ppm	0.5084 ppm	0.5062 ppm	0.5323 ppm
Concentration per Run 1	0.5228 ppm	0.5172 ppm	0.4886 ppm	10.2185 ppm	0.5097 ppm	0.5066 ppm	0.5337 ppm
Concentration per Run 2	0.5192 ppm	0.5185 ppm	0.4883 ppm	10.2269 ppm	0.5083 ppm	0.5062 ppm	0.5313 ppm
Concentration per Run 3	0.5222 ppm	0.5142 ppm	0.4876 ppm	10.1146 ppm	0.5072 ppm	0.5058 ppm	0.5318 ppm
Recovery Percentage 1	104.284 %	103.329 %	97.629 %	101.867 %	101.678 %	101.244 %	106.454 %
Concentration RSD	0.4 %	0.4 %	0.1 %	0.6 %	0.3 %	0.1 %	0.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4842 ppm	5.4692 ppm	0.4990 ppm	0.5329 ppm	0.5106 ppm	0.5004 ppm	0.5121 ppm
Concentration per Run 1	0.4854 ppm	5.4735 ppm	0.4995 ppm	0.5338 ppm	0.5096 ppm	0.5022 ppm	0.5115 ppm
Concentration per Run 2	0.4856 ppm	5.4735 ppm	0.4985 ppm	0.5351 ppm	0.5107 ppm	0.5001 ppm	0.5126 ppm
Concentration per Run 3	0.4817 ppm	5.4605 ppm	0.4989 ppm	0.5298 ppm	0.5114 ppm	0.4989 ppm	0.5122 ppm
Recovery Percentage 1	96.843 %	104.174 %	99.795 %	106.580 %	102.112 %	100.085 %	102.423 %
Concentration RSD	0.5 %	0.1 %	0.1 %	0.5 %	0.2 %	0.3 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5093 ppm	99.7586 %	95.8275 %	95.1676 %	97.5957 %	97.7976 %	96.6237 %
Concentration per Run 1	0.5102 ppm	99.0945 %	95.7867 %	95.2179 %	97.2142 %	97.6033 %	96.7192 %
Concentration per Run 2	0.5099 ppm	100.1330 %	95.7728 %	95.1056 %	97.3371 %	97.6397 %	96.5533 %
Concentration per Run 3	0.5079 ppm	100.0484 %	95.9230 %	95.1792 %	98.2358 %	98.1498 %	96.5986 %
Recovery Percentage 1	101.861 %						
Concentration RSD	0.2 %	0.6 %	0.1 %	0.1 %	0.6 %	0.3 %	0.1 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: CCB
 Analysis started at: 6/30/2025 4:53:41 PM
 Comments: <Comment>
 Rack: 0
 Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	-0.0043 ppm	0.0009 ppm	0.0024 ppm	0.0000 ppm	0.0000 ppm	0.0051 ppm
Concentration per Run 1	0.0000 ppm	0.0019 ppm	0.0019 ppm	0.0021 ppm	0.0001 ppm	0.0000 ppm	0.0049 ppm
Concentration per Run 2	-0.0002 ppm	-0.0024 ppm	0.0000 ppm	0.0024 ppm	-0.0001 ppm	0.0000 ppm	0.0052 ppm
Concentration per Run 3	-0.0001 ppm	-0.0124 ppm	0.0007 ppm	0.0026 ppm	-0.0001 ppm	0.0000 ppm	0.0052 ppm
Recovery Percentage 1	-1.529 %	-4.284 %	17.842 %	7.889 %	-0.319 %	0.446 %	5.116 %
Concentration RSD	69.2 %	171.3 %	109.7 %	10.9 %	233.8 %	46.3 %	3.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0001 ppm	0.0003 ppm	0.0008 ppm	0.0209 ppm	-0.0003 ppm
Concentration per Run 1	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0003 ppm	0.0001 ppm	0.0220 ppm	-0.0009 ppm
Concentration per Run 2	-0.0001 ppm	0.0000 ppm	0.0003 ppm	0.0005 ppm	0.0012 ppm	0.0108 ppm	0.0007 ppm
Concentration per Run 3	0.0000 ppm	0.0001 ppm	0.0000 ppm	0.0002 ppm	0.0012 ppm	0.0299 ppm	-0.0007 ppm
Recovery Percentage 1	-0.168 %	0.192 %	1.017 %	2.976 %	1.688 %	0.836 %	-2.894 %
Concentration RSD	724.0 %	248.5 %	177.3 %	52.8 %	74.1 %	45.8 %	296.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0007 ppm	0.0000 ppm	0.0022 ppm	0.0532 ppm	0.0001 ppm	-0.0001 ppm	0.0027 ppm
Concentration per Run 1	-0.0003 ppm	-0.0002 ppm	0.0024 ppm	0.0510 ppm	0.0002 ppm	0.0000 ppm	0.0028 ppm
Concentration per Run 2	0.0012 ppm	0.0001 ppm	0.0021 ppm	0.0502 ppm	0.0001 ppm	-0.0001 ppm	0.0024 ppm
Concentration per Run 3	0.0011 ppm	0.0003 ppm	0.0020 ppm	0.0584 ppm	0.0001 ppm	-0.0003 ppm	0.0030 ppm
Recovery Percentage 1	0.678 %	0.334 %	4.352 %	2.660 %	0.440 %	-0.983 %	5.486 %
Concentration RSD	123.6 %	790.8 %	9.3 %	8.5 %	54.1 %	151.2 %	10.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0021 ppm	-0.0036 ppm	0.0006 ppm	0.0001 ppm	0.0002 ppm	-0.0006 ppm	0.0001 ppm
Concentration per Run 1	0.0033 ppm	-0.0029 ppm	0.0002 ppm	0.0000 ppm	0.0003 ppm	-0.0006 ppm	-0.0001 ppm
Concentration per Run 2	0.0018 ppm	-0.0039 ppm	0.0007 ppm	0.0001 ppm	0.0003 ppm	-0.0006 ppm	0.0001 ppm
Concentration per Run 3	0.0013 ppm	-0.0041 ppm	0.0008 ppm	0.0002 ppm	0.0001 ppm	-0.0005 ppm	0.0003 ppm
Recovery Percentage 1	21.343 %	-0.725 %	1.142 %	1.270 %	2.047 %	-2.827 %	1.187 %
Concentration RSD	48.8 %	16.8 %	58.7 %	79.8 %	39.7 %	15.4 %	165.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	-0.0002 ppm	100.8929 %	96.7456 %	95.6384 %	97.4119 %	99.2716 %	96.0169 %
Concentration per Run 1	-0.0003 ppm	101.2427 %	96.4398 %	95.6410 %	98.1584 %	99.2599 %	95.7711 %
Concentration per Run 2	-0.0002 ppm	100.5656 %	97.0590 %	95.7144 %	97.0762 %	99.2709 %	96.2083 %
Concentration per Run 3	-0.0001 ppm	100.8705 %	96.7380 %	95.5597 %	97.0009 %	99.2841 %	96.0714 %
Recovery Percentage 1	-4.347 %						
Concentration RSD	34.7 %	0.3 %	0.3 %	0.1 %	0.7 %	0.0 %	0.2 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: WG2082032-1 WG2082032
 Analysis started at: 6/30/2025 5:32:24 PM
 Comments: <Comment>
 Rack: 1
 Vial: 47

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	-0.0004 ppm	0.0010 ppm	0.0014 ppm	0.0000 ppm	0.0000 ppm	0.0064 ppm
Concentration per Run 1	0.0001 ppm	-0.0024 ppm	0.0007 ppm	0.0014 ppm	-0.0001 ppm	0.0000 ppm	0.0082 ppm
Concentration per Run 2	-0.0003 ppm	0.0001 ppm	0.0015 ppm	0.0015 ppm	0.0001 ppm	0.0000 ppm	0.0045 ppm
Concentration per Run 3	0.0000 ppm	0.0010 ppm	0.0010 ppm	0.0014 ppm	0.0000 ppm	0.0000 ppm	0.0066 ppm
Recovery Percentage 1	-0.802 %	-0.446 %	20.960 %	4.726 %	0.090 %	0.261 %	6.430 %
Concentration RSD	355.2 %	400.0 %	38.2 %	3.0 %	908.9 %	15.0 %	29.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0001 ppm	0.0003 ppm	0.0018 ppm	-0.0075 ppm	-0.0010 ppm
Concentration per Run 1	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0004 ppm	0.0005 ppm	-0.0008 ppm	-0.0016 ppm
Concentration per Run 2	-0.0001 ppm	0.0000 ppm	0.0003 ppm	0.0001 ppm	0.0025 ppm	-0.0120 ppm	-0.0002 ppm
Concentration per Run 3	-0.0001 ppm	0.0000 ppm	0.0000 ppm	0.0005 ppm	0.0023 ppm	-0.0095 ppm	-0.0011 ppm
Recovery Percentage 1	-1.199 %	0.084 %	0.652 %	3.159 %	3.517 %	-0.298 %	-9.503 %
Concentration RSD	18.5 %	200.9 %	260.7 %	59.0 %	62.2 %	78.7 %	77.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0033 ppm	0.0002 ppm	0.0010 ppm	0.0178 ppm	0.0003 ppm	0.0004 ppm	0.0004 ppm
Concentration per Run 1	0.0016 ppm	0.0004 ppm	0.0011 ppm	0.0167 ppm	0.0005 ppm	0.0008 ppm	-0.0009 ppm
Concentration per Run 2	0.0041 ppm	-0.0001 ppm	0.0009 ppm	0.0180 ppm	0.0002 ppm	0.0002 ppm	0.0023 ppm
Concentration per Run 3	0.0041 ppm	0.0003 ppm	0.0009 ppm	0.0189 ppm	0.0001 ppm	0.0001 ppm	-0.0002 ppm
Recovery Percentage 1	3.280 %	1.699 %	1.913 %	0.892 %	1.079 %	3.680 %	0.759 %
Concentration RSD	44.1 %	151.3 %	9.6 %	6.1 %	74.6 %	98.3 %	443.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0013 ppm	0.0088 ppm	0.0000 ppm	0.0001 ppm	0.0001 ppm	-0.0009 ppm	0.0001 ppm
Concentration per Run 1	0.0012 ppm	0.0088 ppm	-0.0001 ppm	0.0000 ppm	0.0002 ppm	-0.0015 ppm	0.0001 ppm
Concentration per Run 2	0.0008 ppm	0.0086 ppm	-0.0001 ppm	0.0001 ppm	0.0001 ppm	-0.0005 ppm	0.0001 ppm
Concentration per Run 3	0.0017 ppm	0.0091 ppm	0.0003 ppm	0.0001 ppm	0.0001 ppm	-0.0005 ppm	-0.0001 ppm
Recovery Percentage 1	12.641 %	1.763 %	0.082 %	0.716 %	1.432 %	-4.273 %	0.661 %
Concentration RSD	35.9 %	2.8 %	637.7 %	43.8 %	59.9 %	63.5 %	160.8 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0001 ppm	103.8965 %	98.8844 %	97.4548 %	100.5741 %	100.3994 %	98.1930 %
Concentration per Run 1	0.0002 ppm	104.2790 %	99.0356 %	97.6619 %	100.7889 %	100.4055 %	98.3032 %
Concentration per Run 2	0.0001 ppm	104.0647 %	98.9984 %	97.2554 %	100.7099 %	100.1321 %	98.2569 %
Concentration per Run 3	0.0001 ppm	103.3458 %	98.6193 %	97.4470 %	100.2234 %	100.6607 %	98.0188 %
Recovery Percentage 1	2.818 %						
Concentration RSD	28.0 %	0.5 %	0.2 %	0.2 %	0.3 %	0.3 %	0.2 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: WG2082032-2 WG2082032
Analysis started at: 6/30/2025 5:38:49 PM
Comments: <Comment>
Rack: 1
Vial: 48

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0621 ppm	2.3431 ppm	0.1245 ppm	1.0125 ppm	2.3375 ppm	0.0566 ppm	10.2730 ppm
Concentration per Run 1	0.0621 ppm	2.3422 ppm	0.1244 ppm	1.0133 ppm	2.3506 ppm	0.0566 ppm	10.2606 ppm
Concentration per Run 2	0.0623 ppm	2.3495 ppm	0.1256 ppm	1.0111 ppm	2.3442 ppm	0.0566 ppm	10.2819 ppm
Concentration per Run 3	0.0619 ppm	2.3376 ppm	0.1235 ppm	1.0132 ppm	2.3177 ppm	0.0566 ppm	10.2765 ppm
Concentration RSD	0.4 %	0.3 %	0.9 %	0.1 %	0.7 %	0.0 %	0.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0550 ppm	0.5723 ppm	0.2336 ppm	0.2909 ppm	1.1726 ppm	10.6510 ppm	-0.0018 ppm
Concentration per Run 1	0.0549 ppm	0.5722 ppm	0.2339 ppm	0.2913 ppm	1.1710 ppm	10.6515 ppm	-0.0017 ppm
Concentration per Run 2	0.0550 ppm	0.5719 ppm	0.2334 ppm	0.2912 ppm	1.1755 ppm	10.6156 ppm	-0.0014 ppm
Concentration per Run 3	0.0551 ppm	0.5729 ppm	0.2336 ppm	0.2901 ppm	1.1714 ppm	10.6858 ppm	-0.0024 ppm
Concentration RSD	0.2 %	0.1 %	0.1 %	0.2 %	0.2 %	0.3 %	26.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	10.3816 ppm	0.5756 ppm	0.9922 ppm	10.8566 ppm	0.5736 ppm	0.5463 ppm	0.4975 ppm
Concentration per Run 1	10.3934 ppm	0.5738 ppm	0.9899 ppm	10.8485 ppm	0.5732 ppm	0.5451 ppm	0.4939 ppm
Concentration per Run 2	10.3865 ppm	0.5775 ppm	0.9918 ppm	10.8901 ppm	0.5735 ppm	0.5461 ppm	0.4986 ppm
Concentration per Run 3	10.3648 ppm	0.5754 ppm	0.9950 ppm	10.8312 ppm	0.5740 ppm	0.5477 ppm	0.5000 ppm
Concentration RSD	0.1 %	0.3 %	0.3 %	0.3 %	0.1 %	0.2 %	0.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1213 ppm	1.1578 ppm	0.9871 ppm	1.0803 ppm	1.0446 ppm	0.1191 ppm	0.5857 ppm
Concentration per Run 1	0.1192 ppm	1.1575 ppm	0.9854 ppm	1.0799 ppm	1.0450 ppm	0.1210 ppm	0.5860 ppm
Concentration per Run 2	0.1210 ppm	1.1577 ppm	0.9867 ppm	1.0841 ppm	1.0452 ppm	0.1173 ppm	0.5857 ppm
Concentration per Run 3	0.1237 ppm	1.1582 ppm	0.9893 ppm	1.0768 ppm	1.0437 ppm	0.1190 ppm	0.5854 ppm
Concentration RSD	1.9 %	0.0 %	0.2 %	0.3 %	0.1 %	1.6 %	0.0 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5744 ppm	99.6253 %	95.8253 %	94.7697 %	97.8467 %	96.3265 %	97.0652 %
Concentration per Run 1	0.5730 ppm	99.6890 %	95.8753 %	94.5605 %	97.8131 %	96.2640 %	97.0822 %
Concentration per Run 2	0.5739 ppm	100.0854 %	96.0113 %	94.7342 %	97.8867 %	96.4421 %	97.1544 %
Concentration per Run 3	0.5762 ppm	99.1014 %	95.5893 %	95.0145 %	97.8404 %	96.2733 %	96.9589 %
Concentration RSD	0.3 %	0.5 %	0.2 %	0.2 %	0.0 %	0.1 %	0.1 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: L2536247-01 WG2082032
 Analysis started at: 6/30/2025 5:45:05 PM
 Comments: <Comment>
 Rack: 1
 Vial: 49

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0002 ppm	0.0026 ppm	0.0019 ppm	0.0213 ppm	0.0230 ppm	0.0000 ppm	32.3885 ppm
Concentration per Run 1	-0.0003 ppm	0.0046 ppm	-0.0001 ppm	0.0214 ppm	0.0232 ppm	0.0000 ppm	32.6608 ppm
Concentration per Run 2	0.0001 ppm	0.0022 ppm	0.0031 ppm	0.0211 ppm	0.0229 ppm	0.0000 ppm	32.3074 ppm
Concentration per Run 3	-0.0004 ppm	0.0012 ppm	0.0027 ppm	0.0213 ppm	0.0229 ppm	0.0000 ppm	32.1972 ppm
Concentration RSD	145.0 %	66.3 %	91.1 %	0.7 %	0.8 %	158.7 %	0.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0002 ppm	0.0002 ppm	0.0005 ppm	0.0008 ppm	0.0030 ppm	1.2590 ppm	-0.0006 ppm
Concentration per Run 1	-0.0002 ppm	0.0002 ppm	0.0005 ppm	0.0009 ppm	0.0032 ppm	1.2746 ppm	-0.0005 ppm
Concentration per Run 2	-0.0001 ppm	0.0002 ppm	0.0007 ppm	0.0006 ppm	0.0028 ppm	1.2434 ppm	-0.0001 ppm
Concentration per Run 3	-0.0002 ppm	0.0004 ppm	0.0004 ppm	0.0008 ppm	0.0030 ppm	1.2589 ppm	-0.0012 ppm
Concentration RSD	12.4 %	39.0 %	24.5 %	16.8 %	7.6 %	1.2 %	98.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	7.0510 ppm	0.0033 ppm	0.0041 ppm	10.3431 ppm	0.0149 ppm	-0.0002 ppm	0.0076 ppm
Concentration per Run 1	7.0551 ppm	0.0034 ppm	0.0046 ppm	10.4504 ppm	0.0147 ppm	-0.0002 ppm	0.0081 ppm
Concentration per Run 2	7.0644 ppm	0.0034 ppm	0.0041 ppm	10.2922 ppm	0.0151 ppm	-0.0008 ppm	0.0084 ppm
Concentration per Run 3	7.0334 ppm	0.0032 ppm	0.0037 ppm	10.2867 ppm	0.0150 ppm	0.0004 ppm	0.0061 ppm
Concentration RSD	0.2 %	3.3 %	10.9 %	0.9 %	1.3 %	288.2 %	16.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0001 ppm	3.8898 ppm	0.0023 ppm	0.1170 ppm	0.0006 ppm	-0.0013 ppm	0.0004 ppm
Concentration per Run 1	-0.0002 ppm	3.8844 ppm	0.0028 ppm	0.1181 ppm	0.0005 ppm	-0.0018 ppm	0.0006 ppm
Concentration per Run 2	-0.0018 ppm	3.8975 ppm	0.0024 ppm	0.1164 ppm	0.0006 ppm	-0.0018 ppm	0.0003 ppm
Concentration per Run 3	0.0023 ppm	3.8876 ppm	0.0018 ppm	0.1165 ppm	0.0006 ppm	-0.0003 ppm	0.0003 ppm
Concentration RSD	1,875.2 %	0.2 %	20.6 %	0.8 %	6.6 %	64.3 %	48.8 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0005 ppm	99.8468 %	95.6477 %	94.3539 %	97.8271 %	96.4234 %	96.4824 %
Concentration per Run 1	0.0005 ppm	99.5080 %	95.6770 %	94.4830 %	97.3225 %	96.4761 %	96.4694 %
Concentration per Run 2	0.0004 ppm	99.9819 %	95.5878 %	94.1352 %	97.8582 %	96.2480 %	96.3195 %
Concentration per Run 3	0.0006 ppm	100.0504 %	95.6782 %	94.4433 %	98.3005 %	96.5461 %	96.6582 %
Concentration RSD	18.6 %	0.3 %	0.1 %	0.2 %	0.5 %	0.2 %	0.2 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: L2536247-02 WG2082032
 Analysis started at: 6/30/2025 5:51:26 PM
 Comments: <Comment>
 Rack: 1
 Vial: 50

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0002 ppm	-0.0009 ppm	0.0005 ppm	0.0169 ppm	0.0430 ppm	0.0000 ppm	22.3956 ppm
Concentration per Run 1	-0.0001 ppm	-0.0058 ppm	-0.0007 ppm	0.0174 ppm	0.0429 ppm	0.0000 ppm	22.4271 ppm
Concentration per Run 2	0.0000 ppm	0.0039 ppm	0.0021 ppm	0.0167 ppm	0.0431 ppm	0.0000 ppm	22.4196 ppm
Concentration per Run 3	-0.0005 ppm	-0.0009 ppm	0.0002 ppm	0.0165 ppm	0.0430 ppm	0.0000 ppm	22.3400 ppm
Concentration RSD	138.8 %	520.9 %	275.9 %	2.7 %	0.2 %	42.1 %	0.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0001 ppm	0.0011 ppm	0.0075 ppm	0.0102 ppm	1.2206 ppm	-0.0011 ppm
Concentration per Run 1	-0.0001 ppm	0.0003 ppm	0.0013 ppm	0.0074 ppm	0.0112 ppm	1.2230 ppm	-0.0010 ppm
Concentration per Run 2	-0.0001 ppm	0.0001 ppm	0.0011 ppm	0.0075 ppm	0.0093 ppm	1.2254 ppm	-0.0005 ppm
Concentration per Run 3	-0.0001 ppm	0.0000 ppm	0.0008 ppm	0.0074 ppm	0.0101 ppm	1.2135 ppm	-0.0018 ppm
Concentration RSD	22.3 %	107.3 %	24.1 %	1.2 %	9.2 %	0.5 %	60.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	5.1367 ppm	0.0024 ppm	0.0017 ppm	11.8016 ppm	0.0242 ppm	0.0002 ppm	0.0035 ppm
Concentration per Run 1	5.1388 ppm	0.0022 ppm	0.0017 ppm	11.7764 ppm	0.0239 ppm	0.0002 ppm	0.0029 ppm
Concentration per Run 2	5.1245 ppm	0.0024 ppm	0.0018 ppm	11.8324 ppm	0.0244 ppm	0.0002 ppm	0.0041 ppm
Concentration per Run 3	5.1468 ppm	0.0027 ppm	0.0017 ppm	11.7960 ppm	0.0243 ppm	0.0003 ppm	0.0034 ppm
Concentration RSD	0.2 %	9.7 %	4.0 %	0.2 %	1.0 %	36.2 %	16.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0005 ppm	6.2174 ppm	0.0005 ppm	0.1044 ppm	0.0005 ppm	-0.0010 ppm	0.0003 ppm
Concentration per Run 1	-0.0022 ppm	6.2212 ppm	0.0007 ppm	0.1041 ppm	0.0005 ppm	-0.0006 ppm	0.0004 ppm
Concentration per Run 2	0.0000 ppm	6.2215 ppm	0.0004 ppm	0.1046 ppm	0.0005 ppm	-0.0008 ppm	0.0002 ppm
Concentration per Run 3	0.0007 ppm	6.2093 ppm	0.0003 ppm	0.1045 ppm	0.0006 ppm	-0.0015 ppm	0.0002 ppm
Concentration RSD	300.3 %	0.1 %	38.4 %	0.3 %	6.8 %	54.1 %	31.0 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0128 ppm	100.4781 %	95.9653 %	95.0489 %	98.3816 %	96.8068 %	96.7084 %
Concentration per Run 1	0.0129 ppm	99.9610 %	95.6883 %	95.0682 %	98.2976 %	96.7305 %	96.5346 %
Concentration per Run 2	0.0128 ppm	100.5558 %	96.2171 %	95.1134 %	98.5251 %	96.7395 %	97.0677 %
Concentration per Run 3	0.0128 ppm	100.9176 %	95.9903 %	94.9651 %	98.3223 %	96.9503 %	96.5228 %
Concentration RSD	0.7 %	0.5 %	0.3 %	0.1 %	0.1 %	0.1 %	0.3 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: WG2085201-2 WG2085201
 Analysis started at: 6/30/2025 6:04:24 PM
 Comments: <Comment>
 Rack: 1
 Vial: 56

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0604 ppm	2.2543 ppm	0.1201 ppm	0.9867 ppm	2.2400 ppm	0.0545 ppm	9.9637 ppm
Concentration per Run 1	0.0603 ppm	2.2529 ppm	0.1227 ppm	0.9857 ppm	2.2334 ppm	0.0546 ppm	9.9795 ppm
Concentration per Run 2	0.0604 ppm	2.2610 ppm	0.1201 ppm	0.9875 ppm	2.2303 ppm	0.0544 ppm	9.9629 ppm
Concentration per Run 3	0.0605 ppm	2.2491 ppm	0.1176 ppm	0.9869 ppm	2.2562 ppm	0.0544 ppm	9.9486 ppm
Concentration RSD	0.2 %	0.3 %	2.1 %	0.1 %	0.6 %	0.2 %	0.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0530 ppm	0.5496 ppm	0.2254 ppm	0.2798 ppm	1.1256 ppm	10.3611 ppm	-0.0013 ppm
Concentration per Run 1	0.0531 ppm	0.5499 ppm	0.2259 ppm	0.2796 ppm	1.1257 ppm	10.3869 ppm	-0.0022 ppm
Concentration per Run 2	0.0530 ppm	0.5499 ppm	0.2251 ppm	0.2801 ppm	1.1273 ppm	10.3503 ppm	-0.0007 ppm
Concentration per Run 3	0.0530 ppm	0.5491 ppm	0.2251 ppm	0.2797 ppm	1.1237 ppm	10.3462 ppm	-0.0011 ppm
Concentration RSD	0.1 %	0.1 %	0.2 %	0.1 %	0.2 %	0.2 %	59.8 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	10.1803 ppm	0.5530 ppm	0.9582 ppm	10.7269 ppm	0.5522 ppm	0.5289 ppm	0.4456 ppm
Concentration per Run 1	10.1901 ppm	0.5546 ppm	0.9558 ppm	10.7333 ppm	0.5528 ppm	0.5288 ppm	0.4370 ppm
Concentration per Run 2	10.1863 ppm	0.5514 ppm	0.9590 ppm	10.7301 ppm	0.5526 ppm	0.5302 ppm	0.4463 ppm
Concentration per Run 3	10.1646 ppm	0.5530 ppm	0.9598 ppm	10.7175 ppm	0.5511 ppm	0.5276 ppm	0.4537 ppm
Concentration RSD	0.1 %	0.3 %	0.2 %	0.1 %	0.2 %	0.2 %	1.9 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1175 ppm	1.0794 ppm	0.9615 ppm	1.0342 ppm	1.0192 ppm	0.1158 ppm	0.5645 ppm
Concentration per Run 1	0.1169 ppm	1.0813 ppm	0.9623 ppm	1.0345 ppm	1.0195 ppm	0.1156 ppm	0.5644 ppm
Concentration per Run 2	0.1174 ppm	1.0796 ppm	0.9607 ppm	1.0354 ppm	1.0202 ppm	0.1171 ppm	0.5645 ppm
Concentration per Run 3	0.1181 ppm	1.0772 ppm	0.9613 ppm	1.0325 ppm	1.0178 ppm	0.1147 ppm	0.5645 ppm
Concentration RSD	0.5 %	0.2 %	0.1 %	0.1 %	0.1 %	1.1 %	0.0 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5530 ppm	100.1369 %	96.1244 %	95.4768 %	98.8436 %	97.0471 %	96.8702 %
Concentration per Run 1	0.5536 ppm	99.9476 %	95.8818 %	95.4822 %	98.8487 %	97.0635 %	96.6851 %
Concentration per Run 2	0.5529 ppm	100.4802 %	96.3375 %	95.3599 %	98.9223 %	96.9378 %	96.8501 %
Concentration per Run 3	0.5525 ppm	99.9828 %	96.1538 %	95.5883 %	98.7597 %	97.1399 %	97.0753 %
Concentration RSD	0.1 %	0.3 %	0.2 %	0.1 %	0.1 %	0.1 %	0.2 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: CCV
Analysis started at: 6/30/2025 6:10:38 PM
Comments: <Comment>
Rack: 0
Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.5388 ppm	0.4892 ppm	0.4845 ppm	0.4983 ppm	0.5084 ppm	0.5034 ppm	0.5064 ppm
Concentration per Run 1	0.5389 ppm	0.4970 ppm	0.4836 ppm	0.4975 ppm	0.5148 ppm	0.5092 ppm	0.5120 ppm
Concentration per Run 2	0.5389 ppm	0.4911 ppm	0.4867 ppm	0.4994 ppm	0.5065 ppm	0.5016 ppm	0.5022 ppm
Concentration per Run 3	0.5386 ppm	0.4796 ppm	0.4833 ppm	0.4980 ppm	0.5038 ppm	0.4995 ppm	0.5050 ppm
Recovery Percentage 1	107.767 %	97.846 %	96.909 %	99.666 %	101.676 %	100.686 %	101.279 %
Concentration RSD	0.0 %	1.8 %	0.4 %	0.2 %	1.1 %	1.0 %	1.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.5088 ppm	0.5167 ppm	0.5207 ppm	0.5151 ppm	0.5172 ppm	5.1432 ppm	0.5190 ppm
Concentration per Run 1	0.5072 ppm	0.5151 ppm	0.5211 ppm	0.5142 ppm	0.5225 ppm	5.1938 ppm	0.5247 ppm
Concentration per Run 2	0.5099 ppm	0.5184 ppm	0.5207 ppm	0.5159 ppm	0.5150 ppm	5.1152 ppm	0.5178 ppm
Concentration per Run 3	0.5092 ppm	0.5165 ppm	0.5203 ppm	0.5153 ppm	0.5140 ppm	5.1207 ppm	0.5146 ppm
Recovery Percentage 1	101.756 %	103.332 %	104.137 %	103.025 %	103.435 %	102.865 %	103.803 %
Concentration RSD	0.3 %	0.3 %	0.1 %	0.2 %	0.9 %	0.9 %	1.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5206 ppm	0.5189 ppm	0.4912 ppm	10.3162 ppm	0.5097 ppm	0.5072 ppm	0.5378 ppm
Concentration per Run 1	0.5218 ppm	0.5236 ppm	0.4898 ppm	10.4360 ppm	0.5085 ppm	0.5058 ppm	0.5407 ppm
Concentration per Run 2	0.5230 ppm	0.5168 ppm	0.4938 ppm	10.2909 ppm	0.5114 ppm	0.5082 ppm	0.5407 ppm
Concentration per Run 3	0.5169 ppm	0.5163 ppm	0.4899 ppm	10.2218 ppm	0.5093 ppm	0.5076 ppm	0.5321 ppm
Recovery Percentage 1	104.113 %	103.779 %	98.237 %	103.162 %	101.947 %	101.437 %	107.561 %
Concentration RSD	0.6 %	0.8 %	0.5 %	1.1 %	0.3 %	0.2 %	0.9 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4851 ppm	5.4570 ppm	0.5026 ppm	0.5330 ppm	0.5113 ppm	0.5004 ppm	0.5139 ppm
Concentration per Run 1	0.4827 ppm	5.4443 ppm	0.5041 ppm	0.5387 ppm	0.5113 ppm	0.5023 ppm	0.5136 ppm
Concentration per Run 2	0.4865 ppm	5.4751 ppm	0.5034 ppm	0.5320 ppm	0.5118 ppm	0.5007 ppm	0.5144 ppm
Concentration per Run 3	0.4861 ppm	5.4517 ppm	0.5003 ppm	0.5282 ppm	0.5110 ppm	0.4983 ppm	0.5135 ppm
Recovery Percentage 1	97.021 %	103.944 %	100.520 %	106.592 %	102.269 %	100.084 %	102.771 %
Concentration RSD	0.4 %	0.3 %	0.4 %	1.0 %	0.1 %	0.4 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5112 ppm	98.4538 %	95.7053 %	95.0234 %	96.2073 %	97.5405 %	96.8088 %
Concentration per Run 1	0.5100 ppm	97.5291 %	95.6543 %	95.0564 %	95.4093 %	97.7863 %	96.7032 %
Concentration per Run 2	0.5119 ppm	99.2324 %	95.8717 %	94.7972 %	96.6662 %	97.1747 %	97.0299 %
Concentration per Run 3	0.5116 ppm	98.5998 %	95.5898 %	95.2166 %	96.5465 %	97.6603 %	96.6935 %
Recovery Percentage 1	102.238 %						
Concentration RSD	0.2 %	0.9 %	0.2 %	0.2 %	0.7 %	0.3 %	0.2 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: CCB
Analysis started at: 6/30/2025 6:16:45 PM
Comments: <Comment>
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	-0.0046 ppm	0.0016 ppm	0.0022 ppm	0.0000 ppm	0.0001 ppm	0.0066 ppm
Concentration per Run 1	-0.0001 ppm	-0.0044 ppm	0.0018 ppm	0.0025 ppm	0.0001 ppm	0.0001 ppm	0.0051 ppm
Concentration per Run 2	0.0003 ppm	-0.0087 ppm	0.0013 ppm	0.0024 ppm	-0.0001 ppm	0.0001 ppm	0.0081 ppm
Concentration per Run 3	-0.0002 ppm	-0.0007 ppm	0.0017 ppm	0.0017 ppm	0.0001 ppm	0.0000 ppm	0.0066 ppm
Recovery Percentage 1	-0.043 %	-4.579 %	31.711 %	7.362 %	0.289 %	1.154 %	6.583 %
Concentration RSD	7,542.1 %	87.4 %	18.0 %	18.3 %	499.8 %	42.5 %	22.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	-0.0002 ppm	0.0003 ppm	-0.0004 ppm	0.0014 ppm	-0.0012 ppm
Concentration per Run 1	0.0000 ppm	0.0000 ppm	-0.0002 ppm	0.0003 ppm	-0.0004 ppm	0.0024 ppm	-0.0012 ppm
Concentration per Run 2	0.0001 ppm	0.0000 ppm	-0.0004 ppm	0.0003 ppm	-0.0007 ppm	0.0003 ppm	-0.0002 ppm
Concentration per Run 3	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0002 ppm	-0.0003 ppm	0.0014 ppm	-0.0021 ppm
Recovery Percentage 1	0.201 %	0.069 %	-1.923 %	2.705 %	-0.894 %	0.055 %	-11.577 %
Concentration RSD	551.7 %	61.4 %	118.1 %	30.9 %	49.2 %	74.9 %	81.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0012 ppm	0.0001 ppm	0.0026 ppm	0.0164 ppm	0.0001 ppm	0.0003 ppm	0.0027 ppm
Concentration per Run 1	0.0013 ppm	0.0002 ppm	0.0028 ppm	0.0165 ppm	0.0002 ppm	0.0003 ppm	0.0032 ppm
Concentration per Run 2	0.0018 ppm	0.0000 ppm	0.0026 ppm	0.0162 ppm	0.0000 ppm	0.0005 ppm	0.0028 ppm
Concentration per Run 3	0.0005 ppm	0.0000 ppm	0.0023 ppm	0.0165 ppm	0.0001 ppm	0.0000 ppm	0.0022 ppm
Recovery Percentage 1	1.180 %	1.107 %	5.163 %	0.820 %	0.312 %	2.856 %	5.477 %
Concentration RSD	54.7 %	106.7 %	10.2 %	1.1 %	150.6 %	81.8 %	17.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0011 ppm	-0.0035 ppm	0.0008 ppm	0.0000 ppm	0.0002 ppm	-0.0013 ppm	0.0001 ppm
Concentration per Run 1	0.0010 ppm	-0.0033 ppm	0.0010 ppm	0.0000 ppm	0.0002 ppm	-0.0022 ppm	0.0002 ppm
Concentration per Run 2	0.0005 ppm	-0.0038 ppm	0.0008 ppm	0.0000 ppm	0.0004 ppm	-0.0002 ppm	0.0000 ppm
Concentration per Run 3	0.0018 ppm	-0.0035 ppm	0.0007 ppm	0.0000 ppm	0.0001 ppm	-0.0013 ppm	0.0000 ppm
Recovery Percentage 1	11.189 %	-0.709 %	1.669 %	0.083 %	2.308 %	-6.288 %	0.779 %
Concentration RSD	60.6 %	6.2 %	16.2 %	414.5 %	63.5 %	81.0 %	158.6 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	-0.0002 ppm	98.1442 %	96.9356 %	95.9777 %	95.2129 %	98.9974 %	96.5254 %
Concentration per Run 1	-0.0002 ppm	98.1212 %	97.0155 %	95.8945 %	94.3877 %	98.8642 %	96.5631 %
Concentration per Run 2	-0.0002 ppm	97.9189 %	96.7908 %	95.9154 %	95.2333 %	99.2059 %	96.3469 %
Concentration per Run 3	-0.0002 ppm	98.3926 %	97.0004 %	96.1232 %	96.0177 %	98.9220 %	96.6661 %
Recovery Percentage 1	-4.217 %						
Concentration RSD	16.3 %	0.2 %	0.1 %	0.1 %	0.9 %	0.2 %	0.2 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: L2536247-03 WG2082032
 Analysis started at: 6/30/2025 6:34:14 PM
 Comments: <Comment>
 Rack: 1
 Vial: 51

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0010 ppm	0.0021 ppm	0.0381 ppm	0.0755 ppm	0.0000 ppm	47.1946 ppm
Concentration per Run 1	0.0003 ppm	0.0036 ppm	0.0006 ppm	0.0382 ppm	0.0762 ppm	0.0000 ppm	47.7365 ppm
Concentration per Run 2	-0.0004 ppm	-0.0015 ppm	0.0036 ppm	0.0383 ppm	0.0750 ppm	0.0000 ppm	46.9848 ppm
Concentration per Run 3	0.0000 ppm	0.0009 ppm	0.0021 ppm	0.0377 ppm	0.0754 ppm	0.0000 ppm	46.8625 ppm
Concentration RSD	1,654.2 %	248.8 %	72.0 %	0.8 %	0.8 %	90.5 %	1.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0002 ppm	0.0003 ppm	0.0007 ppm	0.0064 ppm	0.0009 ppm	9.5774 ppm	-0.0017 ppm
Concentration per Run 1	-0.0002 ppm	0.0003 ppm	0.0009 ppm	0.0064 ppm	0.0012 ppm	9.6773 ppm	-0.0017 ppm
Concentration per Run 2	-0.0002 ppm	0.0003 ppm	0.0004 ppm	0.0065 ppm	0.0000 ppm	9.5515 ppm	-0.0020 ppm
Concentration per Run 3	-0.0002 ppm	0.0002 ppm	0.0006 ppm	0.0063 ppm	0.0015 ppm	9.5034 ppm	-0.0014 ppm
Concentration RSD	4.8 %	28.2 %	36.3 %	1.9 %	90.0 %	0.9 %	17.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	9.1691 ppm	2.2537 ppm	0.0015 ppm	9.8454 ppm	0.0010 ppm	0.0007 ppm	0.0018 ppm
Concentration per Run 1	9.1625 ppm	2.2818 ppm	0.0016 ppm	9.9703 ppm	0.0011 ppm	0.0002 ppm	0.0017 ppm
Concentration per Run 2	9.1661 ppm	2.2448 ppm	0.0016 ppm	9.8064 ppm	0.0010 ppm	0.0008 ppm	0.0015 ppm
Concentration per Run 3	9.1786 ppm	2.2347 ppm	0.0014 ppm	9.7594 ppm	0.0009 ppm	0.0010 ppm	0.0022 ppm
Concentration RSD	0.1 %	1.1 %	7.6 %	1.1 %	6.4 %	65.1 %	20.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0009 ppm	3.9515 ppm	0.0002 ppm	0.2121 ppm	0.0001 ppm	-0.0036 ppm	0.0026 ppm
Concentration per Run 1	-0.0002 ppm	3.9553 ppm	0.0004 ppm	0.2143 ppm	0.0000 ppm	-0.0027 ppm	0.0024 ppm
Concentration per Run 2	-0.0016 ppm	3.9446 ppm	-0.0002 ppm	0.2111 ppm	0.0002 ppm	-0.0035 ppm	0.0026 ppm
Concentration per Run 3	-0.0008 ppm	3.9546 ppm	0.0003 ppm	0.2110 ppm	0.0002 ppm	-0.0047 ppm	0.0028 ppm
Concentration RSD	82.9 %	0.2 %	214.7 %	0.9 %	58.3 %	27.8 %	7.5 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0113 ppm	100.0867 %	95.7700 %	94.4262 %	98.8498 %	95.1914 %	96.6387 %
Concentration per Run 1	0.0114 ppm	98.5697 %	95.9874 %	94.5754 %	97.3412 %	95.2874 %	96.8071 %
Concentration per Run 2	0.0113 ppm	100.3029 %	95.6079 %	94.5251 %	99.1380 %	95.2616 %	96.5855 %
Concentration per Run 3	0.0113 ppm	101.3875 %	95.7148 %	94.1782 %	100.0701 %	95.0251 %	96.5234 %
Concentration RSD	0.5 %	1.4 %	0.2 %	0.2 %	1.4 %	0.2 %	0.2 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: L2536247-04 WG2082032
 Analysis started at: 6/30/2025 6:40:34 PM
 Comments: <Comment>
 Rack: 1
 Vial: 52

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.0007 ppm	0.0014 ppm	0.0208 ppm	0.0397 ppm	0.0000 ppm	36.5471 ppm
Concentration per Run 1	0.0001 ppm	0.0030 ppm	0.0017 ppm	0.0207 ppm	0.0393 ppm	0.0001 ppm	36.2045 ppm
Concentration per Run 2	-0.0002 ppm	-0.0006 ppm	0.0022 ppm	0.0207 ppm	0.0398 ppm	0.0000 ppm	36.6619 ppm
Concentration per Run 3	-0.0002 ppm	-0.0003 ppm	0.0004 ppm	0.0209 ppm	0.0399 ppm	0.0000 ppm	36.7748 ppm
Concentration RSD	206.2 %	272.8 %	63.6 %	0.4 %	0.7 %	322.4 %	0.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0002 ppm	0.0003 ppm	0.0012 ppm	0.0024 ppm	0.0134 ppm	1.7235 ppm	-0.0012 ppm
Concentration per Run 1	-0.0001 ppm	0.0002 ppm	0.0011 ppm	0.0024 ppm	0.0140 ppm	1.6992 ppm	-0.0016 ppm
Concentration per Run 2	-0.0002 ppm	0.0003 ppm	0.0013 ppm	0.0024 ppm	0.0131 ppm	1.7248 ppm	-0.0012 ppm
Concentration per Run 3	-0.0002 ppm	0.0003 ppm	0.0011 ppm	0.0024 ppm	0.0131 ppm	1.7466 ppm	-0.0006 ppm
Concentration RSD	25.5 %	36.9 %	7.3 %	0.4 %	3.6 %	1.4 %	44.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	6.6751 ppm	0.0049 ppm	0.0006 ppm	13.7251 ppm	0.0158 ppm	0.0001 ppm	0.0007 ppm
Concentration per Run 1	6.6676 ppm	0.0050 ppm	0.0008 ppm	13.6024 ppm	0.0155 ppm	-0.0004 ppm	-0.0001 ppm
Concentration per Run 2	6.6738 ppm	0.0049 ppm	0.0003 ppm	13.7626 ppm	0.0161 ppm	0.0003 ppm	0.0010 ppm
Concentration per Run 3	6.6838 ppm	0.0048 ppm	0.0007 ppm	13.8103 ppm	0.0158 ppm	0.0003 ppm	0.0013 ppm
Concentration RSD	0.1 %	1.4 %	45.0 %	0.8 %	2.0 %	485.1 %	106.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0003 ppm	5.9378 ppm	0.0000 ppm	0.1312 ppm	0.0002 ppm	-0.0012 ppm	0.0001 ppm
Concentration per Run 1	0.0024 ppm	5.9357 ppm	-0.0004 ppm	0.1300 ppm	0.0001 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run 2	0.0008 ppm	5.9509 ppm	0.0003 ppm	0.1317 ppm	0.0002 ppm	-0.0013 ppm	0.0004 ppm
Concentration per Run 3	-0.0040 ppm	5.9269 ppm	0.0002 ppm	0.1319 ppm	0.0002 ppm	-0.0022 ppm	0.0000 ppm
Concentration RSD	1,282.4 %	0.2 %	2,133.4 %	0.8 %	15.7 %	94.0 %	157.6 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0047 ppm	101.4499 %	95.2919 %	94.3774 %	99.3547 %	95.8127 %	96.1842 %
Concentration per Run 1	0.0048 ppm	102.1938 %	95.1311 %	94.4520 %	100.1836 %	95.8569 %	96.0072 %
Concentration per Run 2	0.0047 ppm	101.8841 %	95.5822 %	94.4609 %	99.4509 %	95.6403 %	96.3799 %
Concentration per Run 3	0.0047 ppm	100.2718 %	95.1623 %	94.2194 %	98.4295 %	95.9409 %	96.1654 %
Concentration RSD	2.2 %	1.0 %	0.3 %	0.1 %	0.9 %	0.2 %	0.2 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: L2536247-05 WG2082032
 Analysis started at: 6/30/2025 6:46:54 PM
 Comments: <Comment>
 Rack: 1
 Vial: 53

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	-0.0024 ppm	-0.0019 ppm	0.0145 ppm	0.0235 ppm	0.0001 ppm	14.2962 ppm
Concentration per Run 1	0.0000 ppm	0.0043 ppm	-0.0021 ppm	0.0144 ppm	0.0238 ppm	0.0001 ppm	14.3435 ppm
Concentration per Run 2	-0.0005 ppm	-0.0082 ppm	-0.0013 ppm	0.0143 ppm	0.0235 ppm	0.0001 ppm	14.3074 ppm
Concentration per Run 3	0.0000 ppm	-0.0033 ppm	-0.0024 ppm	0.0146 ppm	0.0233 ppm	0.0001 ppm	14.2379 ppm
Concentration RSD	204.7 %	266.3 %	28.9 %	1.2 %	1.0 %	26.2 %	0.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0049 ppm	0.0012 ppm	0.0052 ppm	0.4690 ppm	1.2436 ppm	0.0027 ppm
Concentration per Run 1	0.0000 ppm	0.0050 ppm	0.0012 ppm	0.0052 ppm	0.4694 ppm	1.2617 ppm	0.0026 ppm
Concentration per Run 2	0.0000 ppm	0.0050 ppm	0.0012 ppm	0.0051 ppm	0.4691 ppm	1.2588 ppm	0.0024 ppm
Concentration per Run 3	0.0000 ppm	0.0049 ppm	0.0012 ppm	0.0053 ppm	0.4683 ppm	1.2105 ppm	0.0030 ppm
Concentration RSD	19.3 %	1.3 %	2.8 %	1.7 %	0.1 %	2.3 %	11.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	6.3466 ppm	0.0322 ppm	0.0004 ppm	14.7278 ppm	0.0062 ppm	0.0004 ppm	0.0012 ppm
Concentration per Run 1	6.3379 ppm	0.0322 ppm	0.0004 ppm	14.7574 ppm	0.0064 ppm	0.0000 ppm	0.0008 ppm
Concentration per Run 2	6.3481 ppm	0.0323 ppm	0.0004 ppm	14.7355 ppm	0.0062 ppm	0.0005 ppm	0.0023 ppm
Concentration per Run 3	6.3538 ppm	0.0321 ppm	0.0003 ppm	14.6905 ppm	0.0060 ppm	0.0005 ppm	0.0004 ppm
Concentration RSD	0.1 %	0.3 %	16.2 %	0.2 %	3.6 %	77.2 %	86.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0006 ppm	10.7884 ppm	-0.0008 ppm	0.0812 ppm	0.0002 ppm	-0.0006 ppm	0.0003 ppm
Concentration per Run 1	0.0004 ppm	10.7833 ppm	-0.0012 ppm	0.0815 ppm	0.0004 ppm	0.0000 ppm	0.0001 ppm
Concentration per Run 2	-0.0006 ppm	10.7914 ppm	-0.0007 ppm	0.0812 ppm	0.0000 ppm	-0.0015 ppm	0.0004 ppm
Concentration per Run 3	0.0021 ppm	10.7906 ppm	-0.0004 ppm	0.0811 ppm	0.0002 ppm	-0.0003 ppm	0.0004 ppm
Concentration RSD	217.5 %	0.0 %	51.8 %	0.3 %	81.5 %	125.8 %	65.9 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0220 ppm	99.4680 %	96.2933 %	95.4506 %	98.2467 %	97.9771 %	97.6844 %
Concentration per Run 1	0.0221 ppm	98.7830 %	96.4043 %	95.3902 %	97.8149 %	97.9963 %	97.8023 %
Concentration per Run 2	0.0220 ppm	99.5954 %	96.3039 %	95.3031 %	98.1575 %	97.7966 %	97.7300 %
Concentration per Run 3	0.0219 ppm	100.0255 %	96.1717 %	95.6585 %	98.7677 %	98.1384 %	97.5208 %
Concentration RSD	0.3 %	0.6 %	0.1 %	0.2 %	0.5 %	0.2 %	0.1 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: L2536247-06 WG2082032
 Analysis started at: 6/30/2025 6:53:14 PM
 Comments: <Comment>
 Rack: 1
 Vial: 54

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	0.0039 ppm	0.0002 ppm	0.0157 ppm	0.0404 ppm	0.0000 ppm	16.7567 ppm
Concentration per Run 1	-0.0001 ppm	0.0013 ppm	0.0022 ppm	0.0161 ppm	0.0402 ppm	0.0000 ppm	16.6961 ppm
Concentration per Run 2	0.0002 ppm	0.0052 ppm	-0.0001 ppm	0.0153 ppm	0.0406 ppm	0.0000 ppm	16.8141 ppm
Concentration per Run 3	0.0004 ppm	0.0053 ppm	-0.0014 ppm	0.0158 ppm	0.0404 ppm	0.0001 ppm	16.7600 ppm
Concentration RSD	163.0 %	58.5 %	793.1 %	2.5 %	0.5 %	121.7 %	0.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0000 ppm	0.0007 ppm	0.0081 ppm	0.0014 ppm	2.0837 ppm	-0.0012 ppm
Concentration per Run 1	-0.0001 ppm	0.0001 ppm	0.0008 ppm	0.0079 ppm	0.0004 ppm	2.0696 ppm	-0.0016 ppm
Concentration per Run 2	0.0000 ppm	0.0000 ppm	0.0007 ppm	0.0083 ppm	0.0021 ppm	2.1018 ppm	-0.0011 ppm
Concentration per Run 3	-0.0001 ppm	0.0000 ppm	0.0006 ppm	0.0081 ppm	0.0019 ppm	2.0797 ppm	-0.0008 ppm
Concentration RSD	46.7 %	197.9 %	16.0 %	2.0 %	63.0 %	0.8 %	37.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	4.9042 ppm	0.0023 ppm	0.0003 ppm	14.0298 ppm	0.0008 ppm	0.0007 ppm	0.0003 ppm
Concentration per Run 1	4.9065 ppm	0.0022 ppm	0.0002 ppm	13.9692 ppm	0.0006 ppm	0.0002 ppm	0.0003 ppm
Concentration per Run 2	4.8917 ppm	0.0023 ppm	0.0003 ppm	14.1188 ppm	0.0011 ppm	0.0009 ppm	0.0004 ppm
Concentration per Run 3	4.9146 ppm	0.0025 ppm	0.0005 ppm	14.0013 ppm	0.0008 ppm	0.0009 ppm	0.0001 ppm
Concentration RSD	0.2 %	4.5 %	47.8 %	0.6 %	32.2 %	63.3 %	69.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0010 ppm	6.7787 ppm	-0.0001 ppm	0.0829 ppm	0.0002 ppm	-0.0025 ppm	0.0003 ppm
Concentration per Run 1	0.0009 ppm	6.7826 ppm	-0.0006 ppm	0.0824 ppm	0.0002 ppm	-0.0031 ppm	0.0002 ppm
Concentration per Run 2	0.0011 ppm	6.7762 ppm	0.0003 ppm	0.0834 ppm	0.0001 ppm	-0.0011 ppm	0.0005 ppm
Concentration per Run 3	0.0010 ppm	6.7775 ppm	0.0000 ppm	0.0830 ppm	0.0002 ppm	-0.0032 ppm	0.0003 ppm
Concentration RSD	13.0 %	0.0 %	454.5 %	0.6 %	22.7 %	48.8 %	58.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0163 ppm	99.4964 %	96.1148 %	95.0499 %	98.7280 %	97.6802 %	97.9524 %
Concentration per Run 1	0.0163 ppm	100.4766 %	95.9949 %	94.9618 %	99.2308 %	97.5847 %	97.9768 %
Concentration per Run 2	0.0162 ppm	99.2303 %	96.2492 %	95.1538 %	98.1581 %	97.7667 %	98.1517 %
Concentration per Run 3	0.0164 ppm	98.7824 %	96.1002 %	95.0341 %	98.7950 %	97.6891 %	97.7288 %
Concentration RSD	0.7 %	0.9 %	0.1 %	0.1 %	0.5 %	0.1 %	0.2 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: L2536247-07 WG2082032
 Analysis started at: 6/30/2025 6:59:35 PM
 Comments: <Comment>
 Rack: 1
 Vial: 55

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.0055 ppm	0.0015 ppm	0.0187 ppm	0.0389 ppm	0.0001 ppm	12.4000 ppm
Concentration per Run 1	-0.0002 ppm	0.0056 ppm	0.0015 ppm	0.0188 ppm	0.0381 ppm	0.0000 ppm	12.1206 ppm
Concentration per Run 2	-0.0001 ppm	0.0057 ppm	0.0004 ppm	0.0187 ppm	0.0391 ppm	0.0000 ppm	12.4880 ppm
Concentration per Run 3	0.0001 ppm	0.0053 ppm	0.0027 ppm	0.0187 ppm	0.0396 ppm	0.0001 ppm	12.5915 ppm
Concentration RSD	269.0 %	3.9 %	73.1 %	0.2 %	2.0 %	56.1 %	2.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0008 ppm	0.0076 ppm	0.0018 ppm	2.0418 ppm	-0.0010 ppm
Concentration per Run 1	0.0000 ppm	-0.0001 ppm	0.0005 ppm	0.0078 ppm	0.0019 ppm	1.9919 ppm	-0.0006 ppm
Concentration per Run 2	0.0000 ppm	0.0002 ppm	0.0008 ppm	0.0076 ppm	0.0008 ppm	2.0440 ppm	-0.0011 ppm
Concentration per Run 3	0.0000 ppm	-0.0001 ppm	0.0012 ppm	0.0076 ppm	0.0028 ppm	2.0894 ppm	-0.0012 ppm
Concentration RSD	39.9 %	559.0 %	41.6 %	1.3 %	54.6 %	2.4 %	32.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	4.0805 ppm	0.0020 ppm	0.0002 ppm	12.6563 ppm	0.0005 ppm	0.0006 ppm	0.0010 ppm
Concentration per Run 1	4.0677 ppm	0.0016 ppm	0.0001 ppm	12.3408 ppm	0.0004 ppm	0.0010 ppm	0.0011 ppm
Concentration per Run 2	4.0895 ppm	0.0023 ppm	0.0001 ppm	12.7679 ppm	0.0005 ppm	0.0006 ppm	0.0003 ppm
Concentration per Run 3	4.0844 ppm	0.0021 ppm	0.0002 ppm	12.8603 ppm	0.0006 ppm	0.0002 ppm	0.0017 ppm
Concentration RSD	0.3 %	17.6 %	52.1 %	2.2 %	22.6 %	68.6 %	70.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0010 ppm	6.4296 ppm	-0.0001 ppm	0.0715 ppm	0.0003 ppm	-0.0020 ppm	0.0002 ppm
Concentration per Run 1	-0.0003 ppm	6.4399 ppm	0.0000 ppm	0.0695 ppm	0.0004 ppm	-0.0019 ppm	0.0000 ppm
Concentration per Run 2	0.0022 ppm	6.4298 ppm	-0.0004 ppm	0.0721 ppm	0.0002 ppm	-0.0009 ppm	0.0002 ppm
Concentration per Run 3	0.0011 ppm	6.4191 ppm	0.0001 ppm	0.0729 ppm	0.0002 ppm	-0.0033 ppm	0.0003 ppm
Concentration RSD	120.9 %	0.2 %	207.9 %	2.5 %	26.8 %	57.6 %	79.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0138 ppm	102.1005 %	96.0938 %	95.1369 %	101.5656 %	98.3187 %	97.9812 %
Concentration per Run 1	0.0140 ppm	104.0519 %	96.2636 %	95.0994 %	103.8283 %	98.1197 %	98.2187 %
Concentration per Run 2	0.0138 ppm	101.7101 %	95.9194 %	95.0538 %	100.8648 %	98.2586 %	97.7424 %
Concentration per Run 3	0.0137 ppm	100.5393 %	96.0985 %	95.2576 %	100.0037 %	98.5779 %	97.9824 %
Concentration RSD	1.2 %	1.8 %	0.2 %	0.1 %	2.0 %	0.2 %	0.2 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: CCV
 Analysis started at: 6/30/2025 7:05:56 PM
 Comments: <Comment>
 Rack: 0
 Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.5347 ppm	0.4923 ppm	0.4834 ppm	0.4977 ppm	0.5099 ppm	0.4976 ppm	0.5064 ppm
Concentration per Run 1	0.5358 ppm	0.4900 ppm	0.4831 ppm	0.4973 ppm	0.5096 ppm	0.4971 ppm	0.5097 ppm
Concentration per Run 2	0.5337 ppm	0.5036 ppm	0.4852 ppm	0.4981 ppm	0.5106 ppm	0.4979 ppm	0.5052 ppm
Concentration per Run 3	0.5347 ppm	0.4832 ppm	0.4819 ppm	0.4977 ppm	0.5093 ppm	0.4978 ppm	0.5043 ppm
Recovery Percentage 1	106.950 %	98.459 %	96.680 %	99.541 %	101.972 %	99.525 %	101.281 %
Concentration RSD	0.2 %	2.1 %	0.3 %	0.1 %	0.1 %	0.1 %	0.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.5094 ppm	0.5178 ppm	0.5214 ppm	0.5173 ppm	0.5168 ppm	5.2704 ppm	0.5128 ppm
Concentration per Run 1	0.5087 ppm	0.5169 ppm	0.5227 ppm	0.5168 ppm	0.5187 ppm	5.2767 ppm	0.5142 ppm
Concentration per Run 2	0.5101 ppm	0.5192 ppm	0.5196 ppm	0.5183 ppm	0.5150 ppm	5.2910 ppm	0.5137 ppm
Concentration per Run 3	0.5093 ppm	0.5174 ppm	0.5219 ppm	0.5169 ppm	0.5168 ppm	5.2436 ppm	0.5106 ppm
Recovery Percentage 1	101.872 %	103.561 %	104.283 %	103.469 %	103.365 %	105.409 %	102.566 %
Concentration RSD	0.1 %	0.2 %	0.3 %	0.2 %	0.4 %	0.5 %	0.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5168 ppm	0.5150 ppm	0.4820 ppm	10.1283 ppm	0.5087 ppm	0.5056 ppm	0.5183 ppm
Concentration per Run 1	0.5186 ppm	0.5144 ppm	0.4803 ppm	10.1319 ppm	0.5081 ppm	0.5065 ppm	0.5187 ppm
Concentration per Run 2	0.5139 ppm	0.5146 ppm	0.4832 ppm	10.1157 ppm	0.5093 ppm	0.5050 ppm	0.5191 ppm
Concentration per Run 3	0.5180 ppm	0.5158 ppm	0.4824 ppm	10.1372 ppm	0.5087 ppm	0.5054 ppm	0.5172 ppm
Recovery Percentage 1	103.363 %	102.991 %	96.390 %	101.283 %	101.736 %	101.129 %	103.668 %
Concentration RSD	0.5 %	0.1 %	0.3 %	0.1 %	0.1 %	0.2 %	0.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4820 ppm	5.4604 ppm	0.4962 ppm	0.5270 ppm	0.5072 ppm	0.4966 ppm	0.5124 ppm
Concentration per Run 1	0.4816 ppm	5.4536 ppm	0.4966 ppm	0.5271 ppm	0.5078 ppm	0.4951 ppm	0.5132 ppm
Concentration per Run 2	0.4829 ppm	5.4741 ppm	0.4968 ppm	0.5271 ppm	0.5076 ppm	0.4959 ppm	0.5112 ppm
Concentration per Run 3	0.4814 ppm	5.4534 ppm	0.4953 ppm	0.5267 ppm	0.5063 ppm	0.4988 ppm	0.5127 ppm
Recovery Percentage 1	96.395 %	104.007 %	99.245 %	105.391 %	101.443 %	99.314 %	102.477 %
Concentration RSD	0.2 %	0.2 %	0.2 %	0.0 %	0.2 %	0.4 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5097 ppm	97.0529 %	95.7756 %	95.0218 %	97.5310 %	97.9564 %	97.7461 %
Concentration per Run 1	0.5095 ppm	96.9481 %	95.6286 %	95.0129 %	97.4946 %	97.9836 %	97.4949 %
Concentration per Run 2	0.5100 ppm	97.1228 %	96.0359 %	94.7860 %	98.0497 %	97.7618 %	98.0407 %
Concentration per Run 3	0.5098 ppm	97.0878 %	95.6625 %	95.2666 %	97.0486 %	98.1237 %	97.7029 %
Recovery Percentage 1	101.948 %						
Concentration RSD	0.1 %	0.1 %	0.2 %	0.3 %	0.5 %	0.2 %	0.3 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: CCB
Analysis started at: 6/30/2025 7:12:03 PM
Comments: <Comment>
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0004 ppm	-0.0053 ppm	0.0006 ppm	0.0014 ppm	0.0000 ppm	0.0001 ppm	0.0046 ppm
Concentration per Run 1	0.0007 ppm	-0.0041 ppm	0.0006 ppm	0.0012 ppm	-0.0001 ppm	0.0001 ppm	0.0071 ppm
Concentration per Run 2	0.0002 ppm	0.0021 ppm	0.0002 ppm	0.0016 ppm	0.0001 ppm	0.0001 ppm	0.0039 ppm
Concentration per Run 3	0.0002 ppm	-0.0138 ppm	0.0010 ppm	0.0013 ppm	0.0000 ppm	0.0001 ppm	0.0028 ppm
Recovery Percentage 1	5.024 %	-5.270 %	11.577 %	4.626 %	0.207 %	1.227 %	4.605 %
Concentration RSD	77.2 %	151.6 %	70.9 %	14.5 %	402.8 %	0.8 %	48.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0001 ppm	0.0001 ppm	-0.0001 ppm	-0.0004 ppm	-0.0008 ppm	-0.0012 ppm
Concentration per Run 1	0.0000 ppm	0.0001 ppm	0.0000 ppm	-0.0001 ppm	-0.0007 ppm	-0.0104 ppm	-0.0010 ppm
Concentration per Run 2	-0.0001 ppm	0.0000 ppm	0.0000 ppm	-0.0001 ppm	0.0000 ppm	-0.0011 ppm	-0.0017 ppm
Concentration per Run 3	0.0000 ppm	0.0000 ppm	0.0001 ppm	-0.0003 ppm	-0.0007 ppm	0.0090 ppm	-0.0010 ppm
Recovery Percentage 1	-0.411 %	0.261 %	0.524 %	-1.203 %	-0.863 %	-0.034 %	-12.140 %
Concentration RSD	225.7 %	36.6 %	106.4 %	96.7 %	90.4 %	1,151.8 %	34.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	-0.0002 ppm	-0.0001 ppm	0.0014 ppm	0.0141 ppm	0.0001 ppm	-0.0001 ppm	0.0008 ppm
Concentration per Run 1	0.0005 ppm	-0.0002 ppm	0.0015 ppm	0.0120 ppm	0.0004 ppm	0.0004 ppm	0.0011 ppm
Concentration per Run 2	-0.0005 ppm	-0.0001 ppm	0.0014 ppm	0.0141 ppm	0.0001 ppm	-0.0004 ppm	0.0008 ppm
Concentration per Run 3	-0.0006 ppm	-0.0001 ppm	0.0011 ppm	0.0162 ppm	0.0000 ppm	-0.0002 ppm	0.0003 ppm
Recovery Percentage 1	-0.173 %	-1.290 %	2.715 %	0.704 %	0.568 %	-0.729 %	1.513 %
Concentration RSD	360.7 %	35.0 %	13.9 %	15.0 %	142.7 %	600.0 %	51.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0020 ppm	-0.0039 ppm	0.0001 ppm	0.0001 ppm	0.0002 ppm	-0.0014 ppm	0.0002 ppm
Concentration per Run 1	0.0033 ppm	-0.0038 ppm	0.0001 ppm	0.0001 ppm	0.0003 ppm	-0.0006 ppm	0.0002 ppm
Concentration per Run 2	0.0025 ppm	-0.0043 ppm	-0.0003 ppm	0.0001 ppm	0.0001 ppm	-0.0032 ppm	0.0003 ppm
Concentration per Run 3	0.0003 ppm	-0.0036 ppm	0.0004 ppm	0.0001 ppm	0.0002 ppm	-0.0004 ppm	0.0002 ppm
Recovery Percentage 1	20.297 %	-0.783 %	0.133 %	1.026 %	2.070 %	-6.877 %	2.016 %
Concentration RSD	78.2 %	8.8 %	486.5 %	42.5 %	59.1 %	113.3 %	29.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	-0.0002 ppm	97.8204 %	97.9131 %	97.0153 %	96.5684 %	100.5266 %	98.8840 %
Concentration per Run 1	-0.0001 ppm	95.7324 %	97.7222 %	97.0515 %	94.9597 %	100.5378 %	98.8622 %
Concentration per Run 2	-0.0002 ppm	98.6723 %	97.9751 %	97.0520 %	97.2055 %	100.6356 %	98.9613 %
Concentration per Run 3	-0.0002 ppm	99.0564 %	98.0419 %	96.9424 %	97.5400 %	100.4063 %	98.8286 %
Recovery Percentage 1	-3.492 %						
Concentration RSD	30.6 %	1.9 %	0.2 %	0.1 %	1.5 %	0.1 %	0.1 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: WG2082283-1 WG2082283
 Analysis started at: 6/30/2025 7:49:53 PM
 Comments: <Comment>
 Rack: 1
 Vial: 57

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0002 ppm	-0.0028 ppm	0.0012 ppm	0.0011 ppm	0.0001 ppm	0.0000 ppm	0.0152 ppm
Concentration per Run 1	-0.0001 ppm	0.0028 ppm	0.0013 ppm	0.0013 ppm	0.0001 ppm	0.0000 ppm	0.0168 ppm
Concentration per Run 2	0.0001 ppm	-0.0047 ppm	0.0020 ppm	0.0010 ppm	0.0000 ppm	0.0000 ppm	0.0124 ppm
Concentration per Run 3	-0.0004 ppm	-0.0067 ppm	0.0002 ppm	0.0009 ppm	0.0001 ppm	0.0000 ppm	0.0164 ppm
Recovery Percentage 1	-2.153 %	-2.845 %	23.043 %	3.569 %	0.708 %	-0.350 %	15.180 %
Concentration RSD	141.0 %	176.6 %	82.0 %	17.6 %	104.1 %	156.9 %	16.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0001 ppm	-0.0001 ppm	0.0003 ppm	-0.0139 ppm	-0.0011 ppm
Concentration per Run 1	0.0000 ppm	-0.0001 ppm	0.0000 ppm	0.0000 ppm	0.0007 ppm	-0.0123 ppm	-0.0006 ppm
Concentration per Run 2	0.0000 ppm	0.0000 ppm	0.0001 ppm	-0.0002 ppm	-0.0010 ppm	-0.0225 ppm	-0.0011 ppm
Concentration per Run 3	-0.0001 ppm	0.0000 ppm	0.0001 ppm	-0.0001 ppm	0.0011 ppm	-0.0068 ppm	-0.0015 ppm
Recovery Percentage 1	-0.954 %	-0.149 %	0.756 %	-1.042 %	0.514 %	-0.554 %	-10.949 %
Concentration RSD	64.0 %	117.2 %	97.7 %	100.6 %	428.1 %	57.6 %	41.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0042 ppm	-0.0001 ppm	0.0004 ppm	0.0046 ppm	0.0002 ppm	0.0000 ppm	0.0004 ppm
Concentration per Run 1	0.0033 ppm	-0.0002 ppm	0.0004 ppm	0.0004 ppm	0.0003 ppm	0.0001 ppm	0.0012 ppm
Concentration per Run 2	0.0053 ppm	-0.0002 ppm	0.0003 ppm	0.0075 ppm	0.0001 ppm	0.0004 ppm	-0.0002 ppm
Concentration per Run 3	0.0040 ppm	-0.0001 ppm	0.0004 ppm	0.0059 ppm	0.0003 ppm	-0.0004 ppm	0.0002 ppm
Recovery Percentage 1	4.201 %	-1.246 %	0.748 %	0.230 %	0.949 %	0.467 %	0.841 %
Concentration RSD	24.4 %	51.5 %	16.5 %	81.7 %	47.7 %	815.8 %	172.9 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0006 ppm	0.0092 ppm	-0.0004 ppm	0.0001 ppm	0.0001 ppm	-0.0007 ppm	0.0001 ppm
Concentration per Run 1	0.0022 ppm	0.0094 ppm	-0.0002 ppm	0.0000 ppm	0.0000 ppm	-0.0017 ppm	0.0000 ppm
Concentration per Run 2	0.0009 ppm	0.0088 ppm	-0.0001 ppm	0.0000 ppm	0.0002 ppm	-0.0009 ppm	0.0000 ppm
Concentration per Run 3	-0.0013 ppm	0.0093 ppm	-0.0008 ppm	0.0001 ppm	0.0001 ppm	0.0005 ppm	0.0001 ppm
Recovery Percentage 1	5.893 %	1.836 %	-0.746 %	0.740 %	1.120 %	-3.566 %	0.634 %
Concentration RSD	302.3 %	3.3 %	92.9 %	87.2 %	88.2 %	150.6 %	111.6 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0006 ppm	100.5767 %	98.6706 %	96.9336 %	100.2556 %	101.1773 %	99.8245 %
Concentration per Run 1	0.0005 ppm	100.5878 %	98.6179 %	97.1680 %	100.4198 %	101.3948 %	99.7112 %
Concentration per Run 2	0.0007 ppm	100.2698 %	98.8704 %	96.8883 %	100.1661 %	101.0353 %	99.8797 %
Concentration per Run 3	0.0007 ppm	100.8725 %	98.5235 %	96.7444 %	100.1809 %	101.1018 %	99.8826 %
Recovery Percentage 1	12.974 %						
Concentration RSD	17.5 %	0.3 %	0.2 %	0.2 %	0.1 %	0.2 %	0.1 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: WG2082283-2 WG2082283
 Analysis started at: 6/30/2025 7:56:17 PM
 Comments: <Comment>
 Rack: 1
 Vial: 58

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0611 ppm	2.3945 ppm	0.1224 ppm	1.0205 ppm	2.3563 ppm	0.0568 ppm	10.6800 ppm
Concentration per Run 1	0.0609 ppm	2.4209 ppm	0.1232 ppm	1.0192 ppm	2.3613 ppm	0.0573 ppm	10.7484 ppm
Concentration per Run 2	0.0610 ppm	2.3764 ppm	0.1224 ppm	1.0202 ppm	2.3238 ppm	0.0567 ppm	10.6454 ppm
Concentration per Run 3	0.0614 ppm	2.3863 ppm	0.1217 ppm	1.0222 ppm	2.3839 ppm	0.0565 ppm	10.6461 ppm
Concentration RSD	0.5 %	1.0 %	0.6 %	0.1 %	1.3 %	0.8 %	0.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0549 ppm	0.5683 ppm	0.2332 ppm	0.2888 ppm	1.1922 ppm	11.2221 ppm	-0.0016 ppm
Concentration per Run 1	0.0549 ppm	0.5677 ppm	0.2338 ppm	0.2885 ppm	1.2039 ppm	11.3279 ppm	-0.0015 ppm
Concentration per Run 2	0.0549 ppm	0.5686 ppm	0.2326 ppm	0.2886 ppm	1.1876 ppm	11.1633 ppm	-0.0023 ppm
Concentration per Run 3	0.0549 ppm	0.5687 ppm	0.2332 ppm	0.2894 ppm	1.1851 ppm	11.1751 ppm	-0.0011 ppm
Concentration RSD	0.1 %	0.1 %	0.3 %	0.2 %	0.9 %	0.8 %	34.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	10.4191 ppm	0.5805 ppm	0.9766 ppm	11.0432 ppm	0.5625 ppm	0.5453 ppm	0.4511 ppm
Concentration per Run 1	10.4064 ppm	0.5859 ppm	0.9744 ppm	11.1473 ppm	0.5617 ppm	0.5449 ppm	0.4416 ppm
Concentration per Run 2	10.4187 ppm	0.5788 ppm	0.9767 ppm	11.0035 ppm	0.5631 ppm	0.5441 ppm	0.4501 ppm
Concentration per Run 3	10.4322 ppm	0.5769 ppm	0.9788 ppm	10.9788 ppm	0.5628 ppm	0.5468 ppm	0.4616 ppm
Concentration RSD	0.1 %	0.8 %	0.2 %	0.8 %	0.1 %	0.3 %	2.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1188 ppm	1.1962 ppm	0.9760 ppm	1.1149 ppm	1.0473 ppm	0.1176 ppm	0.5794 ppm
Concentration per Run 1	0.1198 ppm	1.1950 ppm	0.9766 ppm	1.1257 ppm	1.0461 ppm	0.1164 ppm	0.5785 ppm
Concentration per Run 2	0.1173 ppm	1.1959 ppm	0.9765 ppm	1.1093 ppm	1.0469 ppm	0.1188 ppm	0.5801 ppm
Concentration per Run 3	0.1192 ppm	1.1978 ppm	0.9750 ppm	1.1097 ppm	1.0489 ppm	0.1176 ppm	0.5795 ppm
Concentration RSD	1.1 %	0.1 %	0.1 %	0.8 %	0.1 %	1.0 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5675 ppm	96.2425 %	95.2783 %	94.4574 %	96.6894 %	97.5199 %	97.8284 %
Concentration per Run 1	0.5678 ppm	95.8166 %	95.3668 %	94.4377 %	96.2564 %	97.6462 %	97.9774 %
Concentration per Run 2	0.5684 ppm	96.6100 %	95.1052 %	94.3706 %	96.7302 %	97.4139 %	97.7664 %
Concentration per Run 3	0.5662 ppm	96.3008 %	95.3630 %	94.5639 %	97.0815 %	97.4996 %	97.7413 %
Concentration RSD	0.2 %	0.4 %	0.2 %	0.1 %	0.4 %	0.1 %	0.1 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: L2536229-01 WG2082283
 Analysis started at: 6/30/2025 8:02:32 PM
 Comments: <Comment>
 Rack: 2
 Vial: 9

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.0974 ppm	0.0021 ppm	0.0367 ppm	0.0269 ppm	0.0001 ppm	23.7392 ppm
Concentration per Run 1	0.0000 ppm	0.0934 ppm	0.0030 ppm	0.0364 ppm	0.0269 ppm	0.0001 ppm	23.7938 ppm
Concentration per Run 2	-0.0004 ppm	0.1007 ppm	0.0014 ppm	0.0369 ppm	0.0268 ppm	0.0000 ppm	23.7262 ppm
Concentration per Run 3	-0.0001 ppm	0.0981 ppm	0.0020 ppm	0.0368 ppm	0.0269 ppm	0.0001 ppm	23.6976 ppm
Concentration RSD	130.0 %	3.8 %	35.8 %	0.7 %	0.2 %	22.2 %	0.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0002 ppm	0.0010 ppm	0.0689 ppm	0.4189 ppm	20.2288 ppm	0.0045 ppm
Concentration per Run 1	0.0000 ppm	0.0002 ppm	0.0011 ppm	0.0688 ppm	0.4210 ppm	20.2440 ppm	0.0052 ppm
Concentration per Run 2	-0.0001 ppm	0.0002 ppm	0.0010 ppm	0.0688 ppm	0.4181 ppm	20.2588 ppm	0.0045 ppm
Concentration per Run 3	-0.0001 ppm	0.0002 ppm	0.0009 ppm	0.0692 ppm	0.4177 ppm	20.1837 ppm	0.0038 ppm
Concentration RSD	55.8 %	18.8 %	9.1 %	0.3 %	0.4 %	0.2 %	15.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	4.6300 ppm	0.0358 ppm	0.0065 ppm	147.9695 ppm	0.0031 ppm	0.0006 ppm	0.0189 ppm
Concentration per Run 1	4.6217 ppm	0.0361 ppm	0.0071 ppm	148.3761 ppm	0.0029 ppm	0.0000 ppm	0.0199 ppm
Concentration per Run 2	4.6429 ppm	0.0358 ppm	0.0065 ppm	147.9697 ppm	0.0031 ppm	0.0007 ppm	0.0200 ppm
Concentration per Run 3	4.6255 ppm	0.0356 ppm	0.0060 ppm	147.5625 ppm	0.0034 ppm	0.0011 ppm	0.0167 ppm
Concentration RSD	0.2 %	0.6 %	8.5 %	0.3 %	9.3 %	95.8 %	9.9 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0021 ppm	2.0360 ppm	0.0034 ppm	0.1190 ppm	0.0021 ppm	-0.0016 ppm	0.0008 ppm
Concentration per Run 1	0.0005 ppm	2.0361 ppm	0.0039 ppm	0.1198 ppm	0.0022 ppm	-0.0032 ppm	0.0007 ppm
Concentration per Run 2	0.0018 ppm	2.0342 ppm	0.0029 ppm	0.1186 ppm	0.0022 ppm	-0.0009 ppm	0.0008 ppm
Concentration per Run 3	0.0040 ppm	2.0375 ppm	0.0034 ppm	0.1186 ppm	0.0018 ppm	-0.0009 ppm	0.0007 ppm
Concentration RSD	83.2 %	0.1 %	14.4 %	0.6 %	9.7 %	81.0 %	7.7 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0788 ppm	98.7721 %	91.3710 %	90.5047 %	98.2387 %	87.1950 %	91.7388 %
Concentration per Run 1	0.0787 ppm	99.0217 %	91.2611 %	90.3095 %	98.1852 %	87.3101 %	91.8806 %
Concentration per Run 2	0.0787 ppm	98.4696 %	91.4696 %	90.8543 %	98.1940 %	87.2939 %	91.6176 %
Concentration per Run 3	0.0788 ppm	98.8250 %	91.3824 %	90.3503 %	98.3370 %	86.9809 %	91.7183 %
Concentration RSD	0.1 %	0.3 %	0.1 %	0.3 %	0.1 %	0.2 %	0.1 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: L2536247-02 WG2082283
 Analysis started at: 6/30/2025 8:09:01 PM
 Comments: <Comment>
 Rack: 2
 Vial: 10

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.0029 ppm	0.0007 ppm	0.0162 ppm	0.0431 ppm	0.0000 ppm	21.8594 ppm
Concentration per Run 1	-0.0002 ppm	-0.0002 ppm	-0.0006 ppm	0.0166 ppm	0.0424 ppm	0.0000 ppm	21.5119 ppm
Concentration per Run 2	-0.0001 ppm	0.0026 ppm	0.0012 ppm	0.0158 ppm	0.0435 ppm	0.0000 ppm	21.9483 ppm
Concentration per Run 3	-0.0001 ppm	0.0064 ppm	0.0016 ppm	0.0162 ppm	0.0435 ppm	0.0000 ppm	22.1180 ppm
Concentration RSD	31.9 %	113.5 %	163.0 %	2.4 %	1.5 %	30.2 %	1.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0001 ppm	0.0025 ppm	0.0003 ppm	0.0481 ppm	1.2505 ppm	-0.0006 ppm
Concentration per Run 1	-0.0001 ppm	0.0001 ppm	0.0025 ppm	0.0002 ppm	0.0469 ppm	1.2258 ppm	-0.0007 ppm
Concentration per Run 2	-0.0001 ppm	0.0000 ppm	0.0025 ppm	0.0003 ppm	0.0471 ppm	1.2647 ppm	-0.0005 ppm
Concentration per Run 3	-0.0001 ppm	0.0002 ppm	0.0025 ppm	0.0002 ppm	0.0502 ppm	1.2610 ppm	-0.0005 ppm
Concentration RSD	23.4 %	135.5 %	0.5 %	15.0 %	3.8 %	1.7 %	22.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	5.0319 ppm	0.0029 ppm	0.0019 ppm	11.2153 ppm	0.0269 ppm	0.0008 ppm	0.0060 ppm
Concentration per Run 1	5.0213 ppm	0.0029 ppm	0.0020 ppm	11.0313 ppm	0.0270 ppm	0.0008 ppm	0.0050 ppm
Concentration per Run 2	5.0370 ppm	0.0030 ppm	0.0018 ppm	11.2937 ppm	0.0270 ppm	0.0011 ppm	0.0070 ppm
Concentration per Run 3	5.0374 ppm	0.0030 ppm	0.0018 ppm	11.3210 ppm	0.0269 ppm	0.0004 ppm	0.0061 ppm
Concentration RSD	0.2 %	2.1 %	5.1 %	1.4 %	0.3 %	42.9 %	16.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0004 ppm	6.1542 ppm	0.0005 ppm	0.1005 ppm	0.0006 ppm	-0.0012 ppm	0.0004 ppm
Concentration per Run 1	0.0014 ppm	6.1584 ppm	0.0005 ppm	0.0987 ppm	0.0004 ppm	-0.0002 ppm	0.0004 ppm
Concentration per Run 2	0.0012 ppm	6.1539 ppm	0.0007 ppm	0.1013 ppm	0.0007 ppm	-0.0021 ppm	0.0005 ppm
Concentration per Run 3	-0.0015 ppm	6.1503 ppm	0.0004 ppm	0.1015 ppm	0.0005 ppm	-0.0012 ppm	0.0002 ppm
Concentration RSD	457.4 %	0.1 %	25.6 %	1.6 %	26.4 %	83.2 %	40.9 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0024 ppm	100.6285 %	96.1440 %	95.1531 %	101.9275 %	98.2286 %	98.7163 %
Concentration per Run 1	0.0023 ppm	102.5792 %	96.2242 %	95.0433 %	103.4540 %	98.0854 %	98.7696 %
Concentration per Run 2	0.0024 ppm	100.5990 %	96.2129 %	95.1323 %	101.7204 %	98.2722 %	98.7500 %
Concentration per Run 3	0.0025 ppm	98.7072 %	95.9948 %	95.2837 %	100.6081 %	98.3280 %	98.6293 %
Concentration RSD	2.8 %	1.9 %	0.1 %	0.1 %	1.4 %	0.1 %	0.1 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: L2536247-03 WG2082283
 Analysis started at: 6/30/2025 8:15:22 PM
 Comments: <Comment>
 Rack: 2
 Vial: 11

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.0080 ppm	0.0000 ppm	0.0386 ppm	0.0778 ppm	0.0001 ppm	48.2047 ppm
Concentration per Run 1	-0.0003 ppm	0.0037 ppm	-0.0002 ppm	0.0387 ppm	0.0774 ppm	0.0000 ppm	47.8529 ppm
Concentration per Run 2	-0.0001 ppm	0.0078 ppm	-0.0006 ppm	0.0387 ppm	0.0780 ppm	0.0000 ppm	48.4601 ppm
Concentration per Run 3	0.0002 ppm	0.0124 ppm	0.0007 ppm	0.0384 ppm	0.0780 ppm	0.0001 ppm	48.3011 ppm
Concentration RSD	408.4 %	54.4 %	1,345.8 %	0.5 %	0.5 %	38.4 %	0.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0002 ppm	0.0003 ppm	0.0005 ppm	0.0014 ppm	0.0021 ppm	10.0302 ppm	-0.0012 ppm
Concentration per Run 1	-0.0002 ppm	0.0005 ppm	0.0006 ppm	0.0013 ppm	0.0017 ppm	10.0135 ppm	-0.0014 ppm
Concentration per Run 2	-0.0002 ppm	0.0003 ppm	0.0003 ppm	0.0012 ppm	0.0022 ppm	10.0468 ppm	-0.0004 ppm
Concentration per Run 3	-0.0002 ppm	0.0002 ppm	0.0006 ppm	0.0016 ppm	0.0023 ppm	10.0303 ppm	-0.0018 ppm
Concentration RSD	8.2 %	44.1 %	41.3 %	13.4 %	15.7 %	0.2 %	58.8 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	9.2331 ppm	2.2873 ppm	0.0015 ppm	9.7571 ppm	0.0008 ppm	0.0008 ppm	0.0022 ppm
Concentration per Run 1	9.2275 ppm	2.2756 ppm	0.0015 ppm	9.7240 ppm	0.0008 ppm	0.0008 ppm	0.0027 ppm
Concentration per Run 2	9.2421 ppm	2.2980 ppm	0.0015 ppm	9.7858 ppm	0.0007 ppm	0.0009 ppm	0.0011 ppm
Concentration per Run 3	9.2298 ppm	2.2883 ppm	0.0015 ppm	9.7614 ppm	0.0008 ppm	0.0006 ppm	0.0027 ppm
Concentration RSD	0.1 %	0.5 %	0.9 %	0.3 %	9.9 %	18.9 %	42.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0015 ppm	4.0322 ppm	-0.0001 ppm	0.2162 ppm	0.0004 ppm	-0.0036 ppm	0.0025 ppm
Concentration per Run 1	-0.0008 ppm	4.0336 ppm	0.0001 ppm	0.2157 ppm	0.0005 ppm	-0.0038 ppm	0.0027 ppm
Concentration per Run 2	-0.0012 ppm	4.0298 ppm	-0.0003 ppm	0.2170 ppm	0.0000 ppm	-0.0032 ppm	0.0026 ppm
Concentration per Run 3	-0.0025 ppm	4.0332 ppm	0.0000 ppm	0.2159 ppm	0.0006 ppm	-0.0040 ppm	0.0024 ppm
Concentration RSD	60.6 %	0.1 %	248.9 %	0.3 %	86.9 %	12.1 %	4.6 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0006 ppm	97.7554 %	94.4079 %	93.1787 %	99.6602 %	95.5754 %	97.5320 %
Concentration per Run 1	0.0006 ppm	98.3453 %	94.4123 %	93.1823 %	100.2420 %	95.4062 %	97.3852 %
Concentration per Run 2	0.0006 ppm	97.4350 %	94.3311 %	93.0547 %	99.0962 %	95.6029 %	97.5122 %
Concentration per Run 3	0.0006 ppm	97.4859 %	94.4804 %	93.2992 %	99.6424 %	95.7171 %	97.6987 %
Concentration RSD	1.5 %	0.5 %	0.1 %	0.1 %	0.6 %	0.2 %	0.2 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: L2536247-01 WG2082283
 Analysis started at: 6/30/2025 8:21:44 PM
 Comments: <Comment>
 Rack: 1
 Vial: 59

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0045 ppm	0.0006 ppm	0.0203 ppm	0.0231 ppm	0.0000 ppm	32.5359 ppm
Concentration per Run 1	0.0003 ppm	0.0004 ppm	0.0008 ppm	0.0200 ppm	0.0231 ppm	0.0000 ppm	32.4846 ppm
Concentration per Run 2	0.0000 ppm	0.0094 ppm	0.0000 ppm	0.0203 ppm	0.0231 ppm	0.0000 ppm	32.5873 ppm
Concentration per Run 3	-0.0004 ppm	0.0036 ppm	0.0011 ppm	0.0205 ppm	0.0231 ppm	0.0000 ppm	32.5357 ppm
Concentration RSD	831.5 %	101.8 %	86.3 %	1.3 %	0.1 %	69.4 %	0.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0002 ppm	0.0001 ppm	0.0011 ppm	0.0001 ppm	0.0096 ppm	1.2963 ppm	-0.0012 ppm
Concentration per Run 1	-0.0001 ppm	0.0000 ppm	0.0012 ppm	0.0001 ppm	0.0105 ppm	1.3093 ppm	-0.0021 ppm
Concentration per Run 2	-0.0002 ppm	0.0003 ppm	0.0010 ppm	0.0001 ppm	0.0096 ppm	1.2686 ppm	-0.0003 ppm
Concentration per Run 3	-0.0002 ppm	0.0001 ppm	0.0009 ppm	0.0001 ppm	0.0088 ppm	1.3111 ppm	-0.0012 ppm
Concentration RSD	11.9 %	116.0 %	12.9 %	22.3 %	9.1 %	1.9 %	74.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	7.0233 ppm	0.0034 ppm	0.0006 ppm	10.0749 ppm	0.0168 ppm	0.0004 ppm	0.0014 ppm
Concentration per Run 1	7.0225 ppm	0.0035 ppm	0.0006 ppm	10.0805 ppm	0.0170 ppm	0.0002 ppm	0.0002 ppm
Concentration per Run 2	7.0195 ppm	0.0033 ppm	0.0006 ppm	10.0864 ppm	0.0167 ppm	-0.0001 ppm	0.0025 ppm
Concentration per Run 3	7.0279 ppm	0.0033 ppm	0.0008 ppm	10.0579 ppm	0.0169 ppm	0.0012 ppm	0.0015 ppm
Concentration RSD	0.1 %	3.6 %	18.2 %	0.1 %	0.9 %	155.0 %	80.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0006 ppm	3.9086 ppm	0.0000 ppm	0.1155 ppm	0.0003 ppm	-0.0008 ppm	0.0005 ppm
Concentration per Run 1	0.0000 ppm	3.9019 ppm	0.0007 ppm	0.1156 ppm	0.0004 ppm	0.0012 ppm	0.0004 ppm
Concentration per Run 2	-0.0021 ppm	3.9080 ppm	-0.0006 ppm	0.1156 ppm	0.0001 ppm	-0.0022 ppm	0.0005 ppm
Concentration per Run 3	0.0003 ppm	3.9158 ppm	-0.0002 ppm	0.1153 ppm	0.0004 ppm	-0.0015 ppm	0.0005 ppm
Concentration RSD	207.8 %	0.2 %	1,999.4 %	0.2 %	45.3 %	216.4 %	11.5 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0009 ppm	98.0475 %	95.2390 %	94.1479 %	99.7208 %	97.2770 %	97.9164 %
Concentration per Run 1	0.0010 ppm	98.0704 %	95.1717 %	94.1311 %	99.7078 %	97.3332 %	97.7846 %
Concentration per Run 2	0.0009 ppm	98.0619 %	95.5226 %	94.2428 %	99.5060 %	97.3980 %	98.1191 %
Concentration per Run 3	0.0009 ppm	98.0102 %	95.0227 %	94.0698 %	99.9487 %	97.0996 %	97.8456 %
Concentration RSD	6.1 %	0.0 %	0.3 %	0.1 %	0.2 %	0.2 %	0.2 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: WG2082283-3 WG2082283
 Analysis started at: 6/30/2025 8:28:06 PM
 Comments: <Comment>
 Rack: 1
 Vial: 60

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0603 ppm	2.2871 ppm	0.1270 ppm	1.0577 ppm	2.2707 ppm	0.0539 ppm	42.5254 ppm
Concentration per Run 1	0.0602 ppm	2.2721 ppm	0.1267 ppm	1.0566 ppm	2.2519 ppm	0.0537 ppm	42.4231 ppm
Concentration per Run 2	0.0599 ppm	2.3021 ppm	0.1264 ppm	1.0585 ppm	2.2805 ppm	0.0540 ppm	42.6681 ppm
Concentration per Run 3	0.0607 ppm	2.2871 ppm	0.1280 ppm	1.0581 ppm	2.2795 ppm	0.0539 ppm	42.4848 ppm
Concentration RSD	0.7 %	0.7 %	0.7 %	0.1 %	0.7 %	0.3 %	0.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0539 ppm	0.5570 ppm	0.2281 ppm	0.2850 ppm	1.1378 ppm	12.3144 ppm	-0.0008 ppm
Concentration per Run 1	0.0538 ppm	0.5575 ppm	0.2276 ppm	0.2846 ppm	1.1343 ppm	12.3147 ppm	0.0000 ppm
Concentration per Run 2	0.0540 ppm	0.5577 ppm	0.2286 ppm	0.2846 ppm	1.1383 ppm	12.3122 ppm	-0.0010 ppm
Concentration per Run 3	0.0539 ppm	0.5557 ppm	0.2282 ppm	0.2857 ppm	1.1409 ppm	12.3164 ppm	-0.0013 ppm
Concentration RSD	0.2 %	0.2 %	0.2 %	0.2 %	0.3 %	0.0 %	84.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	17.1002 ppm	0.5491 ppm	0.9630 ppm	20.4179 ppm	0.5647 ppm	0.5331 ppm	0.4722 ppm
Concentration per Run 1	17.1062 ppm	0.5471 ppm	0.9583 ppm	20.3538 ppm	0.5647 ppm	0.5328 ppm	0.4683 ppm
Concentration per Run 2	17.0849 ppm	0.5505 ppm	0.9654 ppm	20.4938 ppm	0.5655 ppm	0.5336 ppm	0.4722 ppm
Concentration per Run 3	17.1096 ppm	0.5496 ppm	0.9654 ppm	20.4061 ppm	0.5640 ppm	0.5328 ppm	0.4760 ppm
Concentration RSD	0.1 %	0.3 %	0.4 %	0.3 %	0.1 %	0.1 %	0.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1221 ppm	5.1564 ppm	0.9592 ppm	1.1604 ppm	1.0278 ppm	0.1137 ppm	0.5688 ppm
Concentration per Run 1	0.1215 ppm	5.1604 ppm	0.9578 ppm	1.1563 ppm	1.0269 ppm	0.1135 ppm	0.5691 ppm
Concentration per Run 2	0.1221 ppm	5.1593 ppm	0.9597 ppm	1.1629 ppm	1.0275 ppm	0.1143 ppm	0.5691 ppm
Concentration per Run 3	0.1227 ppm	5.1494 ppm	0.9602 ppm	1.1619 ppm	1.0290 ppm	0.1132 ppm	0.5682 ppm
Concentration RSD	0.5 %	0.1 %	0.1 %	0.3 %	0.1 %	0.5 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5585 ppm	97.3228 %	94.3087 %	93.2747 %	100.2001 %	95.8537 %	97.3054 %
Concentration per Run 1	0.5576 ppm	97.4555 %	94.3087 %	93.1569 %	100.7486 %	95.7757 %	97.2315 %
Concentration per Run 2	0.5600 ppm	96.8871 %	94.4897 %	93.3470 %	99.4762 %	95.7903 %	97.5090 %
Concentration per Run 3	0.5579 ppm	97.6260 %	94.1279 %	93.3201 %	100.3755 %	95.9952 %	97.1757 %
Concentration RSD	0.2 %	0.4 %	0.2 %	0.1 %	0.7 %	0.1 %	0.2 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: WG2082283-4 WG2082283
 Analysis started at: 6/30/2025 8:34:20 PM
 Comments: <Comment>
 Rack: 2
 Vial: 1

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0003 ppm	0.0064 ppm	0.0006 ppm	0.0211 ppm	0.0228 ppm	0.0000 ppm	32.0470 ppm
Concentration per Run 1	0.0002 ppm	0.0058 ppm	0.0009 ppm	0.0212 ppm	0.0226 ppm	0.0001 ppm	31.8734 ppm
Concentration per Run 2	0.0001 ppm	0.0142 ppm	0.0004 ppm	0.0212 ppm	0.0228 ppm	0.0000 ppm	32.1246 ppm
Concentration per Run 3	0.0005 ppm	-0.0009 ppm	0.0006 ppm	0.0209 ppm	0.0231 ppm	0.0000 ppm	32.1431 ppm
Concentration RSD	79.6 %	119.4 %	40.4 %	0.8 %	1.2 %	155.7 %	0.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0002 ppm	0.0000 ppm	0.0003 ppm	0.0003 ppm	0.0100 ppm	1.2891 ppm	-0.0012 ppm
Concentration per Run 1	-0.0001 ppm	0.0001 ppm	0.0001 ppm	0.0003 ppm	0.0099 ppm	1.2926 ppm	-0.0013 ppm
Concentration per Run 2	-0.0002 ppm	0.0000 ppm	0.0004 ppm	0.0002 ppm	0.0094 ppm	1.2769 ppm	-0.0009 ppm
Concentration per Run 3	-0.0001 ppm	-0.0001 ppm	0.0004 ppm	0.0005 ppm	0.0106 ppm	1.2979 ppm	-0.0012 ppm
Concentration RSD	23.9 %	12,581.6 %	69.9 %	45.8 %	5.9 %	0.8 %	19.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	6.9123 ppm	0.0034 ppm	0.0056 ppm	9.8467 ppm	0.0165 ppm	-0.0004 ppm	0.0110 ppm
Concentration per Run 1	6.9254 ppm	0.0035 ppm	0.0061 ppm	9.7765 ppm	0.0167 ppm	-0.0003 ppm	0.0119 ppm
Concentration per Run 2	6.9002 ppm	0.0033 ppm	0.0057 ppm	9.8898 ppm	0.0163 ppm	-0.0005 ppm	0.0100 ppm
Concentration per Run 3	6.9112 ppm	0.0035 ppm	0.0051 ppm	9.8739 ppm	0.0166 ppm	-0.0003 ppm	0.0110 ppm
Concentration RSD	0.2 %	3.3 %	9.7 %	0.6 %	1.4 %	26.3 %	8.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0017 ppm	3.8411 ppm	0.0040 ppm	0.1133 ppm	0.0008 ppm	-0.0012 ppm	0.0005 ppm
Concentration per Run 1	0.0037 ppm	3.8355 ppm	0.0047 ppm	0.1124 ppm	0.0007 ppm	-0.0014 ppm	0.0006 ppm
Concentration per Run 2	0.0034 ppm	3.8413 ppm	0.0037 ppm	0.1140 ppm	0.0009 ppm	-0.0008 ppm	0.0005 ppm
Concentration per Run 3	-0.0021 ppm	3.8464 ppm	0.0036 ppm	0.1135 ppm	0.0007 ppm	-0.0014 ppm	0.0005 ppm
Concentration RSD	195.7 %	0.1 %	15.0 %	0.7 %	8.5 %	28.5 %	12.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0020 ppm	98.2249 %	95.2333 %	93.8562 %	100.7976 %	97.5291 %	98.2768 %
Concentration per Run 1	0.0021 ppm	98.2162 %	95.3070 %	93.9170 %	101.2064 %	97.6830 %	98.2044 %
Concentration per Run 2	0.0020 ppm	98.4596 %	95.1515 %	93.6937 %	100.5997 %	97.3989 %	98.3717 %
Concentration per Run 3	0.0019 ppm	97.9989 %	95.2414 %	93.9578 %	100.5867 %	97.5055 %	98.2542 %
Concentration RSD	4.4 %	0.2 %	0.1 %	0.2 %	0.4 %	0.1 %	0.1 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: WG2082283-5 WG2082283
 Analysis started at: 6/30/2025 8:40:42 PM
 Comments: <Comment>
 Rack: 2
 Vial: 2

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0559 ppm	2.3114 ppm	0.1174 ppm	0.9892 ppm	2.3122 ppm	0.0547 ppm	41.9511 ppm
Concentration per Run 1	0.0556 ppm	2.3514 ppm	0.1190 ppm	0.9926 ppm	2.3509 ppm	0.0556 ppm	41.9518 ppm
Concentration per Run 2	0.0561 ppm	2.3197 ppm	0.1163 ppm	0.9874 ppm	2.3188 ppm	0.0550 ppm	42.1351 ppm
Concentration per Run 3	0.0561 ppm	2.2630 ppm	0.1169 ppm	0.9876 ppm	2.2668 ppm	0.0536 ppm	41.7664 ppm
Concentration RSD	0.6 %	1.9 %	1.2 %	0.3 %	1.8 %	1.8 %	0.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0500 ppm	0.5167 ppm	0.2128 ppm	0.2659 ppm	1.1505 ppm	12.5157 ppm	-0.0008 ppm
Concentration per Run 1	0.0503 ppm	0.5188 ppm	0.2122 ppm	0.2654 ppm	1.1669 ppm	12.6574 ppm	-0.0007 ppm
Concentration per Run 2	0.0500 ppm	0.5173 ppm	0.2126 ppm	0.2662 ppm	1.1560 ppm	12.5688 ppm	-0.0006 ppm
Concentration per Run 3	0.0496 ppm	0.5141 ppm	0.2135 ppm	0.2662 ppm	1.1286 ppm	12.3208 ppm	-0.0012 ppm
Concentration RSD	0.7 %	0.5 %	0.3 %	0.2 %	1.7 %	1.4 %	36.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	16.2142 ppm	0.5578 ppm	0.8976 ppm	20.5879 ppm	0.5238 ppm	0.4942 ppm	0.3945 ppm
Concentration per Run 1	16.1697 ppm	0.5658 ppm	0.8990 ppm	20.6921 ppm	0.5268 ppm	0.4970 ppm	0.3828 ppm
Concentration per Run 2	16.1900 ppm	0.5604 ppm	0.8985 ppm	20.6633 ppm	0.5239 ppm	0.4947 ppm	0.3964 ppm
Concentration per Run 3	16.2828 ppm	0.5473 ppm	0.8952 ppm	20.4083 ppm	0.5208 ppm	0.4907 ppm	0.4044 ppm
Concentration RSD	0.4 %	1.7 %	0.2 %	0.8 %	0.6 %	0.6 %	2.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1137 ppm	4.6592 ppm	0.9115 ppm	1.1769 ppm	0.9641 ppm	0.1054 ppm	0.5293 ppm
Concentration per Run 1	0.1141 ppm	4.6666 ppm	0.9165 ppm	1.1933 ppm	0.9618 ppm	0.1069 ppm	0.5292 ppm
Concentration per Run 2	0.1158 ppm	4.6557 ppm	0.9106 ppm	1.1809 ppm	0.9644 ppm	0.1033 ppm	0.5289 ppm
Concentration per Run 3	0.1112 ppm	4.6553 ppm	0.9074 ppm	1.1563 ppm	0.9662 ppm	0.1060 ppm	0.5297 ppm
Concentration RSD	2.0 %	0.1 %	0.5 %	1.6 %	0.2 %	1.8 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5185 ppm	96.6448 %	94.5977 %	93.2475 %	99.3790 %	96.0758 %	97.5940 %
Concentration per Run 1	0.5208 ppm	97.0743 %	94.7473 %	93.2515 %	99.4259 %	95.9607 %	97.8812 %
Concentration per Run 2	0.5192 ppm	96.2765 %	94.5483 %	93.2337 %	99.2071 %	96.0638 %	97.5665 %
Concentration per Run 3	0.5156 ppm	96.5837 %	94.4977 %	93.2573 %	99.5041 %	96.2028 %	97.3344 %
Concentration RSD	0.5 %	0.4 %	0.1 %	0.0 %	0.2 %	0.1 %	0.3 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: WG2082283-6d5 WG2082283
 Analysis started at: 6/30/2025 8:46:55 PM
 Comments: <Comment>
 Rack: 2
 Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	-0.0014 ppm	0.0005 ppm	0.0062 ppm	0.0047 ppm	0.0001 ppm	6.5230 ppm
Concentration per Run 1	0.0003 ppm	0.0025 ppm	0.0003 ppm	0.0061 ppm	0.0048 ppm	0.0000 ppm	6.4943 ppm
Concentration per Run 2	-0.0002 ppm	0.0013 ppm	-0.0009 ppm	0.0064 ppm	0.0048 ppm	0.0001 ppm	6.5104 ppm
Concentration per Run 3	-0.0001 ppm	-0.0079 ppm	0.0020 ppm	0.0060 ppm	0.0046 ppm	0.0000 ppm	6.5642 ppm
Concentration RSD	1,444.4 %	412.3 %	303.4 %	3.3 %	3.0 %	55.7 %	0.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0000 ppm	0.0002 ppm	-0.0002 ppm	0.0032 ppm	0.2576 ppm	-0.0002 ppm
Concentration per Run 1	0.0000 ppm	0.0000 ppm	0.0006 ppm	-0.0003 ppm	0.0023 ppm	0.2626 ppm	-0.0010 ppm
Concentration per Run 2	-0.0001 ppm	0.0000 ppm	0.0000 ppm	-0.0001 ppm	0.0035 ppm	0.2442 ppm	0.0009 ppm
Concentration per Run 3	0.0000 ppm	0.0000 ppm	0.0001 ppm	-0.0003 ppm	0.0037 ppm	0.2660 ppm	-0.0005 ppm
Concentration RSD	26.4 %	36.8 %	159.4 %	39.0 %	24.8 %	4.6 %	595.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	1.4288 ppm	0.0009 ppm	0.0068 ppm	2.0156 ppm	0.0035 ppm	0.0001 ppm	0.0306 ppm
Concentration per Run 1	1.4259 ppm	0.0007 ppm	0.0077 ppm	2.0076 ppm	0.0035 ppm	0.0003 ppm	0.0342 ppm
Concentration per Run 2	1.4282 ppm	0.0012 ppm	0.0066 ppm	2.0189 ppm	0.0035 ppm	0.0002 ppm	0.0309 ppm
Concentration per Run 3	1.4323 ppm	0.0009 ppm	0.0061 ppm	2.0202 ppm	0.0036 ppm	-0.0002 ppm	0.0266 ppm
Concentration RSD	0.2 %	24.8 %	12.1 %	0.3 %	1.8 %	234.0 %	12.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0008 ppm	0.7637 ppm	0.0067 ppm	0.0236 ppm	0.0005 ppm	-0.0009 ppm	0.0002 ppm
Concentration per Run 1	0.0018 ppm	0.7628 ppm	0.0072 ppm	0.0234 ppm	0.0005 ppm	0.0007 ppm	0.0002 ppm
Concentration per Run 2	0.0003 ppm	0.7623 ppm	0.0069 ppm	0.0235 ppm	0.0005 ppm	-0.0029 ppm	0.0003 ppm
Concentration per Run 3	0.0003 ppm	0.7659 ppm	0.0060 ppm	0.0239 ppm	0.0006 ppm	-0.0004 ppm	0.0001 ppm
Concentration RSD	111.5 %	0.3 %	9.3 %	1.2 %	14.0 %	211.8 %	30.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0003 ppm	99.4070 %	96.6379 %	95.7735 %	100.0827 %	99.5916 %	99.3757 %
Concentration per Run 1	0.0004 ppm	100.4547 %	96.5584 %	95.7002 %	101.0315 %	99.6660 %	99.3287 %
Concentration per Run 2	0.0004 ppm	99.0764 %	96.4209 %	95.6908 %	99.8450 %	99.6145 %	99.1021 %
Concentration per Run 3	0.0001 ppm	98.6899 %	96.9343 %	95.9296 %	99.3716 %	99.4942 %	99.6962 %
Concentration RSD	51.8 %	0.9 %	0.3 %	0.1 %	0.9 %	0.1 %	0.3 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: CCV
 Analysis started at: 6/30/2025 8:53:17 PM
 Comments: <Comment>
 Rack: 0
 Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.5323 ppm	0.4804 ppm	0.4810 ppm	0.4978 ppm	0.5001 ppm	0.4860 ppm	0.5029 ppm
Concentration per Run 1	0.5306 ppm	0.4815 ppm	0.4797 ppm	0.4976 ppm	0.4983 ppm	0.4842 ppm	0.5049 ppm
Concentration per Run 2	0.5345 ppm	0.4822 ppm	0.4806 ppm	0.4962 ppm	0.5014 ppm	0.4880 ppm	0.5007 ppm
Concentration per Run 3	0.5318 ppm	0.4775 ppm	0.4827 ppm	0.4997 ppm	0.5007 ppm	0.4857 ppm	0.5032 ppm
Recovery Percentage 1	106.459 %	96.080 %	96.196 %	99.563 %	100.027 %	97.196 %	100.588 %
Concentration RSD	0.4 %	0.5 %	0.3 %	0.4 %	0.3 %	0.4 %	0.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.5105 ppm	0.5191 ppm	0.5225 ppm	0.5169 ppm	0.5078 ppm	5.2200 ppm	0.5034 ppm
Concentration per Run 1	0.5104 ppm	0.5183 ppm	0.5229 ppm	0.5174 ppm	0.5055 ppm	5.2275 ppm	0.5017 ppm
Concentration per Run 2	0.5097 ppm	0.5187 ppm	0.5215 ppm	0.5175 ppm	0.5108 ppm	5.2231 ppm	0.5062 ppm
Concentration per Run 3	0.5113 ppm	0.5203 ppm	0.5231 ppm	0.5158 ppm	0.5072 ppm	5.2093 ppm	0.5023 ppm
Recovery Percentage 1	102.097 %	103.814 %	104.507 %	103.374 %	101.563 %	104.400 %	100.679 %
Concentration RSD	0.2 %	0.2 %	0.2 %	0.2 %	0.5 %	0.2 %	0.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5132 ppm	0.5053 ppm	0.4814 ppm	9.8981 ppm	0.5063 ppm	0.5038 ppm	0.5301 ppm
Concentration per Run 1	0.5121 ppm	0.5039 ppm	0.4808 ppm	9.8576 ppm	0.5062 ppm	0.5033 ppm	0.5316 ppm
Concentration per Run 2	0.5142 ppm	0.5051 ppm	0.4806 ppm	9.9400 ppm	0.5055 ppm	0.5025 ppm	0.5298 ppm
Concentration per Run 3	0.5134 ppm	0.5069 ppm	0.4828 ppm	9.8967 ppm	0.5073 ppm	0.5056 ppm	0.5288 ppm
Recovery Percentage 1	102.646 %	101.053 %	96.281 %	98.981 %	101.266 %	100.761 %	106.017 %
Concentration RSD	0.2 %	0.3 %	0.3 %	0.4 %	0.2 %	0.3 %	0.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4787 ppm	5.4297 ppm	0.4956 ppm	0.5187 ppm	0.5046 ppm	0.4891 ppm	0.5105 ppm
Concentration per Run 1	0.4766 ppm	5.4229 ppm	0.4957 ppm	0.5167 ppm	0.5044 ppm	0.4893 ppm	0.5112 ppm
Concentration per Run 2	0.4800 ppm	5.4235 ppm	0.4956 ppm	0.5204 ppm	0.5059 ppm	0.4895 ppm	0.5101 ppm
Concentration per Run 3	0.4794 ppm	5.4427 ppm	0.4956 ppm	0.5189 ppm	0.5035 ppm	0.4886 ppm	0.5102 ppm
Recovery Percentage 1	95.732 %	103.423 %	99.126 %	103.736 %	100.928 %	97.825 %	102.103 %
Concentration RSD	0.4 %	0.2 %	0.0 %	0.4 %	0.2 %	0.1 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5096 ppm	97.6725 %	95.7271 %	95.0124 %	99.1983 %	98.7591 %	98.7590 %
Concentration per Run 1	0.5094 ppm	97.9410 %	95.8487 %	95.0676 %	99.5448 %	98.8013 %	99.0986 %
Concentration per Run 2	0.5092 ppm	97.3604 %	95.7457 %	95.0933 %	98.8785 %	98.8486 %	98.4337 %
Concentration per Run 3	0.5103 ppm	97.7162 %	95.5869 %	94.8764 %	99.1716 %	98.6272 %	98.7446 %
Recovery Percentage 1	101.928 %						
Concentration RSD	0.1 %	0.3 %	0.1 %	0.1 %	0.3 %	0.1 %	0.3 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: CCB
Analysis started at: 6/30/2025 8:59:25 PM
Comments: <Comment>
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	-0.0021 ppm	0.0009 ppm	0.0019 ppm	0.0000 ppm	0.0000 ppm	0.0019 ppm
Concentration per Run 1	0.0000 ppm	-0.0069 ppm	0.0011 ppm	0.0018 ppm	0.0000 ppm	0.0000 ppm	0.0068 ppm
Concentration per Run 2	-0.0002 ppm	0.0049 ppm	-0.0001 ppm	0.0021 ppm	0.0001 ppm	0.0000 ppm	-0.0032 ppm
Concentration per Run 3	-0.0001 ppm	-0.0042 ppm	0.0015 ppm	0.0019 ppm	-0.0001 ppm	0.0001 ppm	0.0020 ppm
Recovery Percentage 1	-1.527 %	-2.070 %	17.129 %	6.424 %	0.054 %	0.610 %	1.858 %
Concentration RSD	69.3 %	298.0 %	96.8 %	8.4 %	2,307.4 %	80.0 %	268.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0001 ppm	0.0001 ppm	-0.0002 ppm	-0.0010 ppm	-0.0021 ppm	-0.0013 ppm
Concentration per Run 1	0.0000 ppm	-0.0002 ppm	0.0001 ppm	-0.0003 ppm	-0.0005 ppm	-0.0042 ppm	-0.0006 ppm
Concentration per Run 2	0.0000 ppm	-0.0001 ppm	0.0002 ppm	-0.0003 ppm	-0.0004 ppm	0.0028 ppm	-0.0014 ppm
Concentration per Run 3	0.0000 ppm	0.0000 ppm	-0.0001 ppm	-0.0001 ppm	-0.0020 ppm	-0.0049 ppm	-0.0018 ppm
Recovery Percentage 1	-0.508 %	-0.516 %	0.741 %	-2.215 %	-1.912 %	-0.084 %	-12.725 %
Concentration RSD	131.9 %	57.0 %	223.4 %	42.0 %	97.2 %	201.8 %	47.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0003 ppm	0.0000 ppm	0.0023 ppm	0.0130 ppm	0.0002 ppm	-0.0001 ppm	0.0035 ppm
Concentration per Run 1	-0.0007 ppm	0.0001 ppm	0.0024 ppm	0.0069 ppm	0.0001 ppm	-0.0006 ppm	0.0035 ppm
Concentration per Run 2	0.0015 ppm	-0.0002 ppm	0.0022 ppm	0.0113 ppm	0.0001 ppm	0.0002 ppm	0.0028 ppm
Concentration per Run 3	0.0001 ppm	0.0000 ppm	0.0023 ppm	0.0206 ppm	0.0002 ppm	0.0000 ppm	0.0042 ppm
Recovery Percentage 1	0.305 %	-0.187 %	4.526 %	0.648 %	0.671 %	-1.318 %	6.971 %
Concentration RSD	368.9 %	737.8 %	4.5 %	53.9 %	38.5 %	325.5 %	20.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0018 ppm	-0.0041 ppm	0.0010 ppm	0.0000 ppm	0.0002 ppm	-0.0014 ppm	0.0000 ppm
Concentration per Run 1	0.0032 ppm	-0.0033 ppm	0.0014 ppm	0.0001 ppm	0.0002 ppm	-0.0010 ppm	0.0000 ppm
Concentration per Run 2	0.0009 ppm	-0.0047 ppm	0.0006 ppm	0.0000 ppm	0.0002 ppm	-0.0009 ppm	0.0000 ppm
Concentration per Run 3	0.0013 ppm	-0.0042 ppm	0.0008 ppm	0.0001 ppm	0.0002 ppm	-0.0023 ppm	0.0001 ppm
Recovery Percentage 1	17.995 %	-0.819 %	1.926 %	0.377 %	2.329 %	-6.977 %	0.415 %
Concentration RSD	67.5 %	17.0 %	40.3 %	192.6 %	6.8 %	55.5 %	138.6 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	-0.0001 ppm	98.1334 %	97.2996 %	96.2404 %	98.6965 %	100.5387 %	98.7376 %
Concentration per Run 1	-0.0001 ppm	97.4595 %	97.4080 %	96.2542 %	98.1612 %	100.5114 %	98.9096 %
Concentration per Run 2	-0.0002 ppm	98.7274 %	97.3715 %	96.1774 %	98.9875 %	100.6562 %	98.7901 %
Concentration per Run 3	-0.0001 ppm	98.2135 %	97.1194 %	96.2896 %	98.9407 %	100.4487 %	98.5132 %
Recovery Percentage 1	-2.756 %						
Concentration RSD	9.8 %	0.6 %	0.2 %	0.1 %	0.5 %	0.1 %	0.2 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: L2536247-05 WG2082283
 Analysis started at: 6/30/2025 9:18:44 PM
 Comments: <Comment>
 Rack: 2
 Vial: 13

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0021 ppm	0.0012 ppm	0.0145 ppm	0.0228 ppm	0.0001 ppm	14.5676 ppm
Concentration per Run 1	-0.0003 ppm	-0.0009 ppm	0.0014 ppm	0.0143 ppm	0.0229 ppm	0.0001 ppm	14.5721 ppm
Concentration per Run 2	0.0003 ppm	0.0087 ppm	0.0012 ppm	0.0144 ppm	0.0227 ppm	0.0001 ppm	14.5687 ppm
Concentration per Run 3	0.0003 ppm	-0.0016 ppm	0.0011 ppm	0.0147 ppm	0.0229 ppm	0.0001 ppm	14.5619 ppm
Concentration RSD	280.4 %	281.2 %	11.6 %	1.6 %	0.4 %	11.7 %	0.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0053 ppm	0.0017 ppm	0.0000 ppm	0.5678 ppm	1.2760 ppm	0.0027 ppm
Concentration per Run 1	0.0001 ppm	0.0054 ppm	0.0018 ppm	0.0000 ppm	0.5684 ppm	1.2754 ppm	0.0030 ppm
Concentration per Run 2	0.0000 ppm	0.0053 ppm	0.0016 ppm	-0.0001 ppm	0.5661 ppm	1.2645 ppm	0.0018 ppm
Concentration per Run 3	0.0000 ppm	0.0054 ppm	0.0016 ppm	0.0000 ppm	0.5691 ppm	1.2880 ppm	0.0034 ppm
Concentration RSD	98.3 %	1.3 %	7.5 %	427.8 %	0.3 %	0.9 %	31.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	6.4674 ppm	0.0309 ppm	0.0011 ppm	14.4795 ppm	0.0066 ppm	0.0004 ppm	0.0005 ppm
Concentration per Run 1	6.4513 ppm	0.0311 ppm	0.0010 ppm	14.4924 ppm	0.0064 ppm	0.0012 ppm	0.0008 ppm
Concentration per Run 2	6.4797 ppm	0.0305 ppm	0.0012 ppm	14.5096 ppm	0.0068 ppm	0.0005 ppm	-0.0002 ppm
Concentration per Run 3	6.4714 ppm	0.0309 ppm	0.0011 ppm	14.4365 ppm	0.0066 ppm	-0.0005 ppm	0.0010 ppm
Concentration RSD	0.2 %	0.9 %	6.5 %	0.3 %	3.6 %	237.6 %	125.9 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0008 ppm	11.1926 ppm	0.0002 ppm	0.0801 ppm	0.0003 ppm	-0.0007 ppm	0.0003 ppm
Concentration per Run 1	0.0009 ppm	11.2164 ppm	0.0002 ppm	0.0800 ppm	0.0002 ppm	0.0008 ppm	0.0002 ppm
Concentration per Run 2	0.0007 ppm	11.1708 ppm	-0.0003 ppm	0.0803 ppm	0.0003 ppm	-0.0010 ppm	0.0002 ppm
Concentration per Run 3	0.0009 ppm	11.1905 ppm	0.0007 ppm	0.0800 ppm	0.0005 ppm	-0.0020 ppm	0.0004 ppm
Concentration RSD	17.3 %	0.2 %	238.7 %	0.2 %	41.4 %	194.7 %	41.8 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0141 ppm	98.9619 %	96.8048 %	95.5562 %	101.7357 %	98.5839 %	99.5926 %
Concentration per Run 1	0.0141 ppm	99.0676 %	96.9985 %	95.7625 %	101.8429 %	98.5802 %	99.9055 %
Concentration per Run 2	0.0140 ppm	98.7691 %	96.5863 %	95.6347 %	101.6311 %	98.7298 %	99.3119 %
Concentration per Run 3	0.0142 ppm	99.0491 %	96.8296 %	95.2716 %	101.7332 %	98.4418 %	99.5603 %
Concentration RSD	0.8 %	0.2 %	0.2 %	0.3 %	0.1 %	0.1 %	0.3 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: L2536247-06 WG2082283
 Analysis started at: 6/30/2025 9:25:04 PM
 Comments: <Comment>
 Rack: 2
 Vial: 14

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0002 ppm	-0.0005 ppm	0.0009 ppm	0.0159 ppm	0.0416 ppm	0.0000 ppm	17.2305 ppm
Concentration per Run 1	0.0002 ppm	0.0016 ppm	0.0023 ppm	0.0159 ppm	0.0415 ppm	0.0000 ppm	17.2339 ppm
Concentration per Run 2	-0.0004 ppm	0.0005 ppm	0.0009 ppm	0.0157 ppm	0.0416 ppm	0.0000 ppm	17.2626 ppm
Concentration per Run 3	-0.0005 ppm	-0.0038 ppm	-0.0005 ppm	0.0159 ppm	0.0418 ppm	0.0001 ppm	17.1950 ppm
Concentration RSD	171.4 %	528.6 %	158.3 %	0.6 %	0.3 %	42.7 %	0.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0000 ppm	0.0008 ppm	0.0000 ppm	0.0021 ppm	2.1994 ppm	-0.0007 ppm
Concentration per Run 1	-0.0001 ppm	0.0000 ppm	0.0011 ppm	-0.0001 ppm	0.0024 ppm	2.1912 ppm	-0.0005 ppm
Concentration per Run 2	-0.0001 ppm	0.0002 ppm	0.0005 ppm	0.0001 ppm	0.0031 ppm	2.2065 ppm	-0.0006 ppm
Concentration per Run 3	-0.0001 ppm	0.0000 ppm	0.0008 ppm	0.0000 ppm	0.0009 ppm	2.2006 ppm	-0.0008 ppm
Concentration RSD	27.9 %	233.0 %	33.7 %	887.9 %	50.7 %	0.4 %	25.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	5.0502 ppm	0.0023 ppm	0.0005 ppm	14.4198 ppm	0.0003 ppm	0.0001 ppm	0.0009 ppm
Concentration per Run 1	5.0436 ppm	0.0022 ppm	0.0006 ppm	14.3939 ppm	0.0005 ppm	-0.0001 ppm	0.0021 ppm
Concentration per Run 2	5.0552 ppm	0.0022 ppm	0.0004 ppm	14.4470 ppm	0.0001 ppm	0.0007 ppm	0.0002 ppm
Concentration per Run 3	5.0519 ppm	0.0024 ppm	0.0006 ppm	14.4183 ppm	0.0004 ppm	-0.0003 ppm	0.0004 ppm
Concentration RSD	0.1 %	4.4 %	20.0 %	0.2 %	53.8 %	553.2 %	118.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0003 ppm	6.9464 ppm	-0.0004 ppm	0.0836 ppm	0.0003 ppm	-0.0009 ppm	0.0002 ppm
Concentration per Run 1	0.0002 ppm	6.9576 ppm	-0.0006 ppm	0.0834 ppm	0.0005 ppm	-0.0013 ppm	0.0003 ppm
Concentration per Run 2	0.0009 ppm	6.9660 ppm	0.0000 ppm	0.0838 ppm	0.0003 ppm	-0.0007 ppm	0.0002 ppm
Concentration per Run 3	-0.0001 ppm	6.9155 ppm	-0.0005 ppm	0.0836 ppm	0.0002 ppm	-0.0007 ppm	0.0002 ppm
Concentration RSD	151.6 %	0.4 %	86.2 %	0.2 %	32.2 %	41.3 %	39.5 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0009 ppm	98.4631 %	96.3622 %	95.1001 %	100.6512 %	98.3294 %	99.1815 %
Concentration per Run 1	0.0009 ppm	98.2852 %	96.5349 %	95.1748 %	100.5652 %	98.0906 %	99.3614 %
Concentration per Run 2	0.0009 ppm	98.2785 %	96.4056 %	95.0444 %	100.1387 %	98.1435 %	99.0347 %
Concentration per Run 3	0.0009 ppm	98.8255 %	96.1460 %	95.0812 %	101.2497 %	98.7543 %	99.1484 %
Concentration RSD	1.7 %	0.3 %	0.2 %	0.1 %	0.6 %	0.4 %	0.2 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: L2536247-07 WG2082283
 Analysis started at: 6/30/2025 9:31:26 PM
 Comments: <Comment>
 Rack: 2
 Vial: 15

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0054 ppm	0.0007 ppm	0.0189 ppm	0.0406 ppm	0.0000 ppm	12.9839 ppm
Concentration per Run 1	0.0003 ppm	0.0010 ppm	0.0012 ppm	0.0188 ppm	0.0404 ppm	0.0000 ppm	12.9459 ppm
Concentration per Run 2	0.0003 ppm	0.0061 ppm	-0.0002 ppm	0.0194 ppm	0.0406 ppm	0.0000 ppm	13.0044 ppm
Concentration per Run 3	-0.0001 ppm	0.0090 ppm	0.0010 ppm	0.0187 ppm	0.0407 ppm	0.0000 ppm	13.0016 ppm
Concentration RSD	147.1 %	75.6 %	109.8 %	2.0 %	0.4 %	4.5 %	0.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0000 ppm	0.0006 ppm	-0.0001 ppm	0.0071 ppm	2.1646 ppm	-0.0009 ppm
Concentration per Run 1	-0.0001 ppm	0.0001 ppm	0.0005 ppm	0.0000 ppm	0.0068 ppm	2.1673 ppm	-0.0002 ppm
Concentration per Run 2	-0.0001 ppm	-0.0001 ppm	0.0007 ppm	-0.0002 ppm	0.0072 ppm	2.1661 ppm	-0.0022 ppm
Concentration per Run 3	-0.0001 ppm	-0.0001 ppm	0.0006 ppm	-0.0001 ppm	0.0071 ppm	2.1605 ppm	-0.0004 ppm
Concentration RSD	35.5 %	211.3 %	15.7 %	91.4 %	3.3 %	0.2 %	117.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	4.1489 ppm	0.0023 ppm	0.0003 ppm	12.9400 ppm	0.0002 ppm	0.0005 ppm	0.0013 ppm
Concentration per Run 1	4.1522 ppm	0.0025 ppm	0.0003 ppm	12.9511 ppm	0.0002 ppm	0.0003 ppm	0.0009 ppm
Concentration per Run 2	4.1388 ppm	0.0022 ppm	0.0004 ppm	12.9318 ppm	0.0001 ppm	0.0004 ppm	0.0008 ppm
Concentration per Run 3	4.1559 ppm	0.0023 ppm	0.0003 ppm	12.9371 ppm	0.0002 ppm	0.0007 ppm	0.0022 ppm
Concentration RSD	0.2 %	7.0 %	22.6 %	0.1 %	35.8 %	45.1 %	59.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0005 ppm	6.5903 ppm	-0.0002 ppm	0.0730 ppm	0.0005 ppm	-0.0016 ppm	0.0001 ppm
Concentration per Run 1	0.0014 ppm	6.5920 ppm	-0.0002 ppm	0.0732 ppm	0.0006 ppm	-0.0012 ppm	0.0001 ppm
Concentration per Run 2	-0.0013 ppm	6.6000 ppm	-0.0001 ppm	0.0730 ppm	0.0006 ppm	-0.0008 ppm	0.0001 ppm
Concentration per Run 3	-0.0016 ppm	6.5788 ppm	-0.0003 ppm	0.0730 ppm	0.0004 ppm	-0.0028 ppm	0.0002 ppm
Concentration RSD	335.9 %	0.2 %	56.6 %	0.2 %	26.8 %	66.5 %	43.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0011 ppm	98.2990 %	96.2842 %	95.6606 %	101.0159 %	98.8703 %	99.4420 %
Concentration per Run 1	0.0011 ppm	98.4639 %	96.1009 %	95.6576 %	101.0981 %	98.8205 %	99.3948 %
Concentration per Run 2	0.0011 ppm	98.2476 %	96.3007 %	95.6576 %	101.1619 %	98.7037 %	99.6223 %
Concentration per Run 3	0.0012 ppm	98.1855 %	96.4509 %	95.6665 %	100.7876 %	99.0867 %	99.3089 %
Concentration RSD	2.2 %	0.1 %	0.2 %	0.0 %	0.2 %	0.2 %	0.2 %

ICP DataTrace 5

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LabBook: WG2085078_06302025T5.imexp

Sample: L2536247-08 WG2082283
 Analysis started at: 6/30/2025 9:37:46 PM
 Comments: <Comment>
 Rack: 2
 Vial: 16

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0523 ppm	0.0006 ppm	0.0138 ppm	0.0015 ppm	0.0000 ppm	32.3826 ppm
Concentration per Run 1	0.0003 ppm	0.0549 ppm	0.0018 ppm	0.0140 ppm	0.0013 ppm	0.0000 ppm	32.4376 ppm
Concentration per Run 2	0.0000 ppm	0.0551 ppm	-0.0001 ppm	0.0136 ppm	0.0015 ppm	0.0000 ppm	32.4948 ppm
Concentration per Run 3	-0.0001 ppm	0.0468 ppm	0.0002 ppm	0.0138 ppm	0.0015 ppm	0.0000 ppm	32.2154 ppm
Concentration RSD	210.6 %	9.0 %	163.9 %	1.5 %	6.8 %	107.9 %	0.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0000 ppm	0.0009 ppm	-0.0001 ppm	0.1898 ppm	1.6756 ppm	0.0022 ppm
Concentration per Run 1	-0.0001 ppm	0.0000 ppm	0.0009 ppm	0.0000 ppm	0.1891 ppm	1.7014 ppm	0.0025 ppm
Concentration per Run 2	-0.0001 ppm	-0.0001 ppm	0.0008 ppm	-0.0002 ppm	0.1904 ppm	1.6545 ppm	0.0021 ppm
Concentration per Run 3	-0.0001 ppm	0.0002 ppm	0.0010 ppm	-0.0002 ppm	0.1899 ppm	1.6707 ppm	0.0021 ppm
Concentration RSD	10.8 %	286.9 %	12.6 %	81.2 %	0.4 %	1.4 %	10.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	3.9282 ppm	0.0745 ppm	0.0005 ppm	8.0989 ppm	-0.0003 ppm	0.0002 ppm	0.0002 ppm
Concentration per Run 1	3.9185 ppm	0.0746 ppm	0.0004 ppm	8.1195 ppm	-0.0005 ppm	0.0001 ppm	0.0007 ppm
Concentration per Run 2	3.9337 ppm	0.0747 ppm	0.0006 ppm	8.1147 ppm	-0.0002 ppm	0.0004 ppm	0.0000 ppm
Concentration per Run 3	3.9323 ppm	0.0742 ppm	0.0004 ppm	8.0624 ppm	-0.0001 ppm	0.0002 ppm	-0.0003 ppm
Concentration RSD	0.2 %	0.3 %	21.0 %	0.4 %	77.0 %	62.6 %	330.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0006 ppm	21.9542 [SIC 200]	0.0000 ppm	0.1669 ppm	0.0027 ppm	-0.0025 ppm	0.0005 ppm
Concentration per Run 1	0.0010 ppm	21.9518 ppm	-0.0001 ppm	0.1669 ppm	0.0027 ppm	-0.0027 ppm	0.0005 ppm
Concentration per Run 2	0.0002 ppm	21.9354 ppm	0.0000 ppm	0.1673 ppm	0.0026 ppm	-0.0030 ppm	0.0006 ppm
Concentration per Run 3	0.0008 ppm	21.9754 ppm	0.0000 ppm	0.1664 ppm	0.0029 ppm	-0.0019 ppm	0.0005 ppm
Concentration RSD	64.2 %	0.1 %	261.8 %	0.2 %	5.5 %	22.7 %	13.6 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0004 ppm	98.0366 %	96.4274 %	95.2959 %	100.2669 %	98.3646 %	100.0316 %
Concentration per Run 1	0.0003 ppm	98.0064 %	96.4799 %	95.2287 %	100.3258 %	98.3807 %	100.1288 %
Concentration per Run 2	0.0005 ppm	97.8381 %	96.2618 %	95.3287 %	99.8003 %	98.3998 %	99.9255 %
Concentration per Run 3	0.0005 ppm	98.2654 %	96.5405 %	95.3305 %	100.6748 %	98.3133 %	100.0406 %
Concentration RSD	23.0 %	0.2 %	0.2 %	0.1 %	0.4 %	0.0 %	0.1 %

ICP DataTrace 5

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LabBook: WG2085078_06302025T5.imexp

Sample: L2536247-04 WG2082283
 Analysis started at: 6/30/2025 9:44:18 PM
 Comments: <Comment>
 Rack: 2
 Vial: 12

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	-0.0021 ppm	0.0012 ppm	0.0207 ppm	0.0406 ppm	0.0000 ppm	38.2407 ppm
Concentration per Run 1	-0.0001 ppm	-0.0039 ppm	0.0017 ppm	0.0204 ppm	0.0401 ppm	0.0000 ppm	37.7676 ppm
Concentration per Run 2	-0.0003 ppm	0.0001 ppm	0.0010 ppm	0.0211 ppm	0.0407 ppm	0.0000 ppm	38.3414 ppm
Concentration per Run 3	0.0002 ppm	-0.0025 ppm	0.0007 ppm	0.0206 ppm	0.0409 ppm	0.0000 ppm	38.6130 ppm
Concentration RSD	289.9 %	98.4 %	43.6 %	1.8 %	0.9 %	12.6 %	1.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0002 ppm	0.0002 ppm	0.0043 ppm	0.0003 ppm	0.0412 ppm	1.7852 ppm	-0.0012 ppm
Concentration per Run 1	-0.0002 ppm	0.0001 ppm	0.0043 ppm	0.0002 ppm	0.0413 ppm	1.7688 ppm	-0.0011 ppm
Concentration per Run 2	-0.0002 ppm	0.0002 ppm	0.0043 ppm	0.0003 ppm	0.0422 ppm	1.7832 ppm	-0.0008 ppm
Concentration per Run 3	-0.0002 ppm	0.0002 ppm	0.0043 ppm	0.0003 ppm	0.0401 ppm	1.8037 ppm	-0.0018 ppm
Concentration RSD	15.3 %	29.3 %	0.6 %	20.9 %	2.6 %	1.0 %	39.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	6.7936 ppm	0.0036 ppm	0.0003 ppm	13.4066 ppm	0.0077 ppm	0.0003 ppm	-0.0002 ppm
Concentration per Run 1	6.7621 ppm	0.0035 ppm	0.0003 ppm	13.2613 ppm	0.0076 ppm	-0.0005 ppm	-0.0005 ppm
Concentration per Run 2	6.7999 ppm	0.0038 ppm	0.0001 ppm	13.4566 ppm	0.0076 ppm	0.0006 ppm	0.0004 ppm
Concentration per Run 3	6.8188 ppm	0.0036 ppm	0.0004 ppm	13.5020 ppm	0.0080 ppm	0.0008 ppm	-0.0005 ppm
Concentration RSD	0.4 %	4.8 %	61.0 %	1.0 %	2.9 %	267.6 %	307.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0004 ppm	5.9738 ppm	-0.0007 ppm	0.1333 ppm	0.0003 ppm	-0.0018 ppm	0.0004 ppm
Concentration per Run 1	-0.0015 ppm	5.9695 ppm	-0.0007 ppm	0.1314 ppm	0.0002 ppm	-0.0009 ppm	0.0004 ppm
Concentration per Run 2	0.0013 ppm	5.9693 ppm	-0.0008 ppm	0.1340 ppm	0.0003 ppm	-0.0030 ppm	0.0005 ppm
Concentration per Run 3	0.0013 ppm	5.9827 ppm	-0.0007 ppm	0.1345 ppm	0.0003 ppm	-0.0015 ppm	0.0003 ppm
Concentration RSD	442.4 %	0.1 %	4.4 %	1.2 %	33.9 %	58.3 %	16.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0009 ppm	98.5370 %	95.4723 %	94.3466 %	101.2981 %	96.9429 %	98.6840 %
Concentration per Run 1	0.0010 ppm	100.2214 %	95.5525 %	94.4547 %	102.5911 %	96.9927 %	99.0308 %
Concentration per Run 2	0.0008 ppm	98.3502 %	95.4935 %	94.4888 %	101.2048 %	97.0682 %	98.7457 %
Concentration per Run 3	0.0010 ppm	97.0395 %	95.3710 %	94.0964 %	100.0984 %	96.7680 %	98.2755 %
Concentration RSD	9.3 %	1.6 %	0.1 %	0.2 %	1.2 %	0.2 %	0.4 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: L2536247-12 WG2082283
 Analysis started at: 6/30/2025 9:50:41 PM
 Comments: <Comment>
 Rack: 2
 Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0264 ppm	0.0009 ppm	0.0197 ppm	0.0368 ppm	0.0000 ppm	16.5877 ppm
Concentration per Run 1	-0.0002 ppm	0.0243 ppm	0.0019 ppm	0.0198 ppm	0.0339 ppm	0.0000 ppm	15.3498 ppm
Concentration per Run 2	-0.0003 ppm	0.0256 ppm	0.0009 ppm	0.0197 ppm	0.0381 ppm	0.0001 ppm	17.0550 ppm
Concentration per Run 3	0.0004 ppm	0.0294 ppm	0.0000 ppm	0.0197 ppm	0.0385 ppm	0.0000 ppm	17.3583 ppm
Concentration RSD	1,060.1 %	10.1 %	102.5 %	0.3 %	6.8 %	125.7 %	6.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0001 ppm	0.0033 ppm	0.0000 ppm	0.0610 ppm	2.4229 ppm	-0.0005 ppm
Concentration per Run 1	-0.0001 ppm	0.0002 ppm	0.0032 ppm	-0.0001 ppm	0.0573 ppm	2.2338 ppm	-0.0007 ppm
Concentration per Run 2	-0.0001 ppm	-0.0001 ppm	0.0034 ppm	0.0000 ppm	0.0634 ppm	2.4857 ppm	-0.0008 ppm
Concentration per Run 3	-0.0001 ppm	0.0003 ppm	0.0033 ppm	0.0002 ppm	0.0624 ppm	2.5494 ppm	0.0000 ppm
Concentration RSD	31.3 %	197.6 %	3.6 %	1,357.2 %	5.4 %	6.9 %	84.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	3.4253 ppm	0.0070 ppm	0.0002 ppm	13.0650 ppm	0.0018 ppm	0.0005 ppm	-0.0006 ppm
Concentration per Run 1	3.4112 ppm	0.0064 ppm	0.0003 ppm	12.0937 ppm	0.0018 ppm	0.0006 ppm	0.0002 ppm
Concentration per Run 2	3.4286 ppm	0.0073 ppm	0.0002 ppm	13.4574 ppm	0.0017 ppm	0.0005 ppm	-0.0012 ppm
Concentration per Run 3	3.4360 ppm	0.0074 ppm	0.0002 ppm	13.6438 ppm	0.0018 ppm	0.0004 ppm	-0.0008 ppm
Concentration RSD	0.4 %	7.5 %	12.4 %	6.5 %	2.6 %	20.1 %	122.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0003 ppm	4.4820 ppm	-0.0005 ppm	0.0766 ppm	0.0016 ppm	-0.0011 ppm	0.0004 ppm
Concentration per Run 1	-0.0009 ppm	4.4845 ppm	-0.0005 ppm	0.0708 ppm	0.0015 ppm	-0.0008 ppm	0.0004 ppm
Concentration per Run 2	-0.0001 ppm	4.4847 ppm	-0.0008 ppm	0.0789 ppm	0.0015 ppm	-0.0013 ppm	0.0004 ppm
Concentration per Run 3	0.0002 ppm	4.4767 ppm	-0.0002 ppm	0.0802 ppm	0.0016 ppm	-0.0012 ppm	0.0003 ppm
Concentration RSD	214.6 %	0.1 %	61.8 %	6.7 %	3.7 %	21.2 %	15.0 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0006 ppm	102.1240 %	96.9017 %	95.8836 %	105.0799 %	99.1039 %	100.1896 %
Concentration per Run 1	0.0005 ppm	109.7129 %	96.7198 %	96.0484 %	112.3195 %	99.3184 %	100.2090 %
Concentration per Run 2	0.0006 ppm	99.3247 %	97.1359 %	95.8670 %	102.6178 %	99.0023 %	100.3301 %
Concentration per Run 3	0.0006 ppm	97.3345 %	96.8494 %	95.7355 %	100.3025 %	98.9909 %	100.0299 %
Concentration RSD	8.3 %	6.5 %	0.2 %	0.2 %	6.1 %	0.2 %	0.2 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: WG2082283-7 WG2082283
 Analysis started at: 6/30/2025 9:57:02 PM
 Comments: <Comment>
 Rack: 2
 Vial: 5

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0590 ppm	2.2930 ppm	0.1242 ppm	1.0411 ppm	2.2630 ppm	0.0534 ppm	27.3969 ppm
Concentration per Run 1	0.0592 ppm	2.2786 ppm	0.1246 ppm	1.0395 ppm	2.2687 ppm	0.0530 ppm	27.2853 ppm
Concentration per Run 2	0.0590 ppm	2.3068 ppm	0.1251 ppm	1.0436 ppm	2.2907 ppm	0.0538 ppm	27.5240 ppm
Concentration per Run 3	0.0587 ppm	2.2935 ppm	0.1228 ppm	1.0402 ppm	2.2295 ppm	0.0534 ppm	27.3815 ppm
Concentration RSD	0.4 %	0.6 %	1.0 %	0.2 %	1.4 %	0.7 %	0.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0533 ppm	0.5511 ppm	0.2284 ppm	0.2808 ppm	1.1735 ppm	13.4444 ppm	-0.0016 ppm
Concentration per Run 1	0.0533 ppm	0.5504 ppm	0.2283 ppm	0.2815 ppm	1.1703 ppm	13.3878 ppm	-0.0016 ppm
Concentration per Run 2	0.0534 ppm	0.5522 ppm	0.2289 ppm	0.2806 ppm	1.1790 ppm	13.4111 ppm	-0.0018 ppm
Concentration per Run 3	0.0533 ppm	0.5509 ppm	0.2281 ppm	0.2804 ppm	1.1712 ppm	13.5342 ppm	-0.0015 ppm
Concentration RSD	0.2 %	0.2 %	0.2 %	0.2 %	0.4 %	0.6 %	7.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	13.4984 ppm	0.5467 ppm	0.9498 ppm	24.0705 ppm	0.5431 ppm	0.5300 ppm	0.4403 ppm
Concentration per Run 1	13.4805 ppm	0.5418 ppm	0.9466 ppm	23.9202 ppm	0.5433 ppm	0.5312 ppm	0.4307 ppm
Concentration per Run 2	13.5232 ppm	0.5510 ppm	0.9519 ppm	24.2193 ppm	0.5442 ppm	0.5296 ppm	0.4408 ppm
Concentration per Run 3	13.4914 ppm	0.5472 ppm	0.9509 ppm	24.0721 ppm	0.5417 ppm	0.5293 ppm	0.4492 ppm
Concentration RSD	0.2 %	0.9 %	0.3 %	0.6 %	0.2 %	0.2 %	2.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1194 ppm	5.7357 ppm	0.9530 ppm	1.1192 ppm	1.0209 ppm	0.1143 ppm	0.5622 ppm
Concentration per Run 1	0.1189 ppm	5.7306 ppm	0.9518 ppm	1.1118 ppm	1.0208 ppm	0.1147 ppm	0.5624 ppm
Concentration per Run 2	0.1201 ppm	5.7528 ppm	0.9550 ppm	1.1256 ppm	1.0220 ppm	0.1131 ppm	0.5622 ppm
Concentration per Run 3	0.1192 ppm	5.7237 ppm	0.9521 ppm	1.1203 ppm	1.0198 ppm	0.1149 ppm	0.5620 ppm
Concentration RSD	0.5 %	0.3 %	0.2 %	0.6 %	0.1 %	0.9 %	0.0 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5527 ppm	97.4839 %	95.0260 %	94.2670 %	100.3416 %	97.2364 %	98.3566 %
Concentration per Run 1	0.5532 ppm	97.8059 %	95.0114 %	94.1602 %	101.0672 %	97.2927 %	98.2480 %
Concentration per Run 2	0.5526 ppm	97.2121 %	95.1547 %	94.5185 %	99.2640 %	97.1005 %	98.3471 %
Concentration per Run 3	0.5522 ppm	97.4337 %	94.9121 %	94.1223 %	100.6937 %	97.3159 %	98.4746 %
Concentration RSD	0.1 %	0.3 %	0.1 %	0.2 %	0.9 %	0.1 %	0.1 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: WG2082283-8 WG2082283
 Analysis started at: 6/30/2025 10:03:12 PM
 Comments: <Comment>
 Rack: 2
 Vial: 6

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0585 ppm	2.3292 ppm	0.1230 ppm	1.0327 ppm	2.2734 ppm	0.0540 ppm	27.8572 ppm
Concentration per Run 1	0.0587 ppm	2.3677 ppm	0.1229 ppm	1.0323 ppm	2.3537 ppm	0.0551 ppm	28.4487 ppm
Concentration per Run 2	0.0585 ppm	2.3235 ppm	0.1230 ppm	1.0332 ppm	2.2357 ppm	0.0536 ppm	27.6583 ppm
Concentration per Run 3	0.0582 ppm	2.2966 ppm	0.1232 ppm	1.0326 ppm	2.2308 ppm	0.0532 ppm	27.4646 ppm
Concentration RSD	0.4 %	1.5 %	0.1 %	0.0 %	3.1 %	1.8 %	1.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0529 ppm	0.5457 ppm	0.2261 ppm	0.2780 ppm	1.1958 ppm	13.6273 ppm	-0.0013 ppm
Concentration per Run 1	0.0529 ppm	0.5450 ppm	0.2264 ppm	0.2778 ppm	1.2204 ppm	13.9130 ppm	-0.0012 ppm
Concentration per Run 2	0.0529 ppm	0.5462 ppm	0.2253 ppm	0.2776 ppm	1.1923 ppm	13.5247 ppm	-0.0009 ppm
Concentration per Run 3	0.0528 ppm	0.5457 ppm	0.2266 ppm	0.2785 ppm	1.1748 ppm	13.4442 ppm	-0.0018 ppm
Concentration RSD	0.1 %	0.1 %	0.3 %	0.2 %	1.9 %	1.8 %	34.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	13.3357 ppm	0.5522 ppm	0.9504 ppm	24.3234 ppm	0.5389 ppm	0.5264 ppm	0.4615 ppm
Concentration per Run 1	13.3054 ppm	0.5620 ppm	0.9482 ppm	24.7665 ppm	0.5386 ppm	0.5256 ppm	0.4551 ppm
Concentration per Run 2	13.3407 ppm	0.5491 ppm	0.9513 ppm	24.1826 ppm	0.5395 ppm	0.5283 ppm	0.4619 ppm
Concentration per Run 3	13.3609 ppm	0.5456 ppm	0.9516 ppm	24.0212 ppm	0.5387 ppm	0.5253 ppm	0.4674 ppm
Concentration RSD	0.2 %	1.6 %	0.2 %	1.6 %	0.1 %	0.3 %	1.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1198 ppm	5.7196 ppm	0.9521 ppm	1.1286 ppm	1.0104 ppm	0.1127 ppm	0.5566 ppm
Concentration per Run 1	0.1184 ppm	5.7185 ppm	0.9492 ppm	1.1484 ppm	1.0091 ppm	0.1121 ppm	0.5567 ppm
Concentration per Run 2	0.1203 ppm	5.7257 ppm	0.9533 ppm	1.1228 ppm	1.0098 ppm	0.1127 ppm	0.5562 ppm
Concentration per Run 3	0.1207 ppm	5.7147 ppm	0.9537 ppm	1.1147 ppm	1.0124 ppm	0.1132 ppm	0.5569 ppm
Concentration RSD	1.0 %	0.1 %	0.3 %	1.6 %	0.2 %	0.5 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5487 ppm	96.4529 %	96.1087 %	95.4278 %	99.4036 %	98.2070 %	99.5374 %
Concentration per Run 1	0.5476 ppm	94.5991 %	96.0397 %	95.4909 %	97.4539 %	98.2658 %	99.5302 %
Concentration per Run 2	0.5498 ppm	97.1611 %	96.2748 %	95.4693 %	100.0648 %	98.1826 %	99.6528 %
Concentration per Run 3	0.5489 ppm	97.5987 %	96.0116 %	95.3232 %	100.6921 %	98.1726 %	99.4291 %
Concentration RSD	0.2 %	1.7 %	0.2 %	0.1 %	1.7 %	0.1 %	0.1 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: WG2082283-9 WG2082283
 Analysis started at: 6/30/2025 10:09:26 PM
 Comments: <Comment>
 Rack: 2
 Vial: 7

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0554 ppm	2.2233 ppm	0.1168 ppm	0.9872 ppm	2.2189 ppm	0.0521 ppm	26.7732 ppm
Concentration per Run 1	0.0548 ppm	2.2355 ppm	0.1184 ppm	0.9874 ppm	2.2242 ppm	0.0525 ppm	26.7491 ppm
Concentration per Run 2	0.0558 ppm	2.2184 ppm	0.1167 ppm	0.9866 ppm	2.2261 ppm	0.0520 ppm	26.8304 ppm
Concentration per Run 3	0.0557 ppm	2.2160 ppm	0.1152 ppm	0.9875 ppm	2.2064 ppm	0.0519 ppm	26.7402 ppm
Concentration RSD	1.0 %	0.5 %	1.4 %	0.0 %	0.5 %	0.6 %	0.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0505 ppm	0.5214 ppm	0.2168 ppm	0.2663 ppm	1.1495 ppm	13.1323 ppm	-0.0010 ppm
Concentration per Run 1	0.0505 ppm	0.5216 ppm	0.2179 ppm	0.2658 ppm	1.1516 ppm	13.1206 ppm	-0.0015 ppm
Concentration per Run 2	0.0506 ppm	0.5210 ppm	0.2158 ppm	0.2668 ppm	1.1523 ppm	13.0725 ppm	-0.0014 ppm
Concentration per Run 3	0.0505 ppm	0.5215 ppm	0.2167 ppm	0.2663 ppm	1.1446 ppm	13.2040 ppm	0.0001 ppm
Concentration RSD	0.1 %	0.1 %	0.5 %	0.2 %	0.4 %	0.5 %	92.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	12.8492 ppm	0.5326 ppm	0.9073 ppm	23.5268 ppm	0.5154 ppm	0.4991 ppm	0.4114 ppm
Concentration per Run 1	12.9229 ppm	0.5338 ppm	0.9050 ppm	23.5587 ppm	0.5156 ppm	0.4985 ppm	0.4011 ppm
Concentration per Run 2	12.8101 ppm	0.5338 ppm	0.9071 ppm	23.5779 ppm	0.5150 ppm	0.4987 ppm	0.4108 ppm
Concentration per Run 3	12.8145 ppm	0.5301 ppm	0.9099 ppm	23.4437 ppm	0.5155 ppm	0.5002 ppm	0.4222 ppm
Concentration RSD	0.5 %	0.4 %	0.3 %	0.3 %	0.1 %	0.2 %	2.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1126 ppm	5.2499 ppm	0.9271 ppm	1.0767 ppm	0.9686 ppm	0.1066 ppm	0.5321 ppm
Concentration per Run 1	0.1102 ppm	5.2490 ppm	0.9251 ppm	1.0807 ppm	0.9715 ppm	0.1063 ppm	0.5337 ppm
Concentration per Run 2	0.1142 ppm	5.2421 ppm	0.9282 ppm	1.0787 ppm	0.9687 ppm	0.1080 ppm	0.5319 ppm
Concentration per Run 3	0.1133 ppm	5.2584 ppm	0.9279 ppm	1.0706 ppm	0.9656 ppm	0.1054 ppm	0.5308 ppm
Concentration RSD	1.9 %	0.2 %	0.2 %	0.5 %	0.3 %	1.3 %	0.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5239 ppm	96.9641 %	95.4586 %	94.7741 %	100.2461 %	97.6128 %	98.6494 %
Concentration per Run 1	0.5247 ppm	97.5762 %	95.3636 %	94.6815 %	100.6669 %	97.5190 %	98.5355 %
Concentration per Run 2	0.5238 ppm	96.8263 %	95.6616 %	94.7876 %	99.6166 %	97.8284 %	98.6460 %
Concentration per Run 3	0.5231 ppm	96.4899 %	95.3506 %	94.8532 %	100.4547 %	97.4911 %	98.7666 %
Concentration RSD	0.1 %	0.6 %	0.2 %	0.1 %	0.6 %	0.2 %	0.1 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: WG2082283-10d5 WG2082283
 Analysis started at: 6/30/2025 10:15:36 PM
 Comments: <Comment>
 Rack: 2
 Vial: 8

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0003 ppm	0.0052 ppm	0.0011 ppm	0.0067 ppm	0.0078 ppm	0.0000 ppm	3.5153 ppm
Concentration per Run 1	-0.0002 ppm	0.0075 ppm	0.0015 ppm	0.0069 ppm	0.0077 ppm	0.0001 ppm	3.4416 ppm
Concentration per Run 2	-0.0005 ppm	0.0041 ppm	0.0017 ppm	0.0064 ppm	0.0078 ppm	0.0000 ppm	3.5559 ppm
Concentration per Run 3	-0.0002 ppm	0.0040 ppm	0.0001 ppm	0.0067 ppm	0.0080 ppm	0.0000 ppm	3.5484 ppm
Concentration RSD	67.1 %	38.8 %	82.8 %	3.8 %	1.8 %	131.4 %	1.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0000 ppm	0.0007 ppm	-0.0004 ppm	0.0156 ppm	0.5061 ppm	-0.0010 ppm
Concentration per Run 1	0.0000 ppm	0.0001 ppm	0.0008 ppm	-0.0002 ppm	0.0155 ppm	0.5020 ppm	-0.0016 ppm
Concentration per Run 2	-0.0001 ppm	0.0000 ppm	0.0005 ppm	-0.0005 ppm	0.0162 ppm	0.5189 ppm	-0.0014 ppm
Concentration per Run 3	0.0000 ppm	0.0000 ppm	0.0008 ppm	-0.0003 ppm	0.0149 ppm	0.4973 ppm	0.0000 ppm
Concentration RSD	21.2 %	497.5 %	23.4 %	40.2 %	4.0 %	2.2 %	85.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.6995 ppm	0.0016 ppm	0.0076 ppm	2.7398 ppm	0.0005 ppm	0.0000 ppm	0.0334 ppm
Concentration per Run 1	0.7005 ppm	0.0017 ppm	0.0085 ppm	2.6992 ppm	0.0005 ppm	0.0000 ppm	0.0376 ppm
Concentration per Run 2	0.7016 ppm	0.0015 ppm	0.0075 ppm	2.7581 ppm	0.0005 ppm	-0.0001 ppm	0.0325 ppm
Concentration per Run 3	0.6963 ppm	0.0016 ppm	0.0067 ppm	2.7621 ppm	0.0004 ppm	0.0001 ppm	0.0302 ppm
Concentration RSD	0.4 %	8.1 %	12.2 %	1.3 %	7.1 %	950.8 %	11.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0007 ppm	0.8784 ppm	0.0082 ppm	0.0164 ppm	0.0011 ppm	-0.0005 ppm	0.0002 ppm
Concentration per Run 1	0.0012 ppm	0.8759 ppm	0.0092 ppm	0.0160 ppm	0.0011 ppm	-0.0030 ppm	0.0000 ppm
Concentration per Run 2	0.0004 ppm	0.8792 ppm	0.0081 ppm	0.0166 ppm	0.0010 ppm	0.0013 ppm	0.0003 ppm
Concentration per Run 3	0.0004 ppm	0.8802 ppm	0.0074 ppm	0.0166 ppm	0.0012 ppm	0.0001 ppm	0.0004 ppm
Concentration RSD	68.4 %	0.3 %	11.4 %	2.1 %	8.1 %	430.6 %	86.7 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0004 ppm	97.9135 %	97.2444 %	96.3501 %	99.8749 %	101.0116 %	100.7865 %
Concentration per Run 1	0.0004 ppm	99.5298 %	97.3695 %	96.1519 %	101.6043 %	101.0775 %	100.9071 %
Concentration per Run 2	0.0005 ppm	96.8465 %	97.1269 %	96.4415 %	98.5257 %	100.8968 %	100.6590 %
Concentration per Run 3	0.0003 ppm	97.3644 %	97.2369 %	96.4569 %	99.4947 %	101.0604 %	100.7935 %
Concentration RSD	15.0 %	1.5 %	0.1 %	0.2 %	1.6 %	0.1 %	0.1 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: CCV
 Analysis started at: 6/30/2025 10:21:58 PM
 Comments: <Comment>
 Rack: 0
 Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.5230 ppm	0.4851 ppm	0.4803 ppm	0.4968 ppm	0.5035 ppm	0.4850 ppm	0.5092 ppm
Concentration per Run 1	0.5216 ppm	0.4870 ppm	0.4788 ppm	0.4969 ppm	0.5050 ppm	0.4854 ppm	0.5051 ppm
Concentration per Run 2	0.5244 ppm	0.4845 ppm	0.4820 ppm	0.4966 ppm	0.5029 ppm	0.4857 ppm	0.5097 ppm
Concentration per Run 3	0.5230 ppm	0.4839 ppm	0.4803 ppm	0.4970 ppm	0.5025 ppm	0.4838 ppm	0.5129 ppm
Recovery Percentage 1	104.601 %	97.029 %	96.070 %	99.365 %	100.691 %	96.994 %	101.849 %
Concentration RSD	0.3 %	0.3 %	0.3 %	0.0 %	0.3 %	0.2 %	0.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.5099 ppm	0.5184 ppm	0.5229 ppm	0.5175 ppm	0.5058 ppm	5.3365 ppm	0.4966 ppm
Concentration per Run 1	0.5103 ppm	0.5189 ppm	0.5232 ppm	0.5170 ppm	0.5047 ppm	5.3497 ppm	0.4987 ppm
Concentration per Run 2	0.5103 ppm	0.5183 ppm	0.5218 ppm	0.5184 ppm	0.5079 ppm	5.3357 ppm	0.4956 ppm
Concentration per Run 3	0.5092 ppm	0.5182 ppm	0.5238 ppm	0.5171 ppm	0.5049 ppm	5.3239 ppm	0.4955 ppm
Recovery Percentage 1	101.986 %	103.689 %	104.586 %	103.499 %	101.163 %	106.729 %	99.321 %
Concentration RSD	0.1 %	0.1 %	0.2 %	0.2 %	0.4 %	0.2 %	0.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5112 ppm	0.5009 ppm	0.4812 ppm	9.7649 ppm	0.5060 ppm	0.5045 ppm	0.5319 ppm
Concentration per Run 1	0.5091 ppm	0.5017 ppm	0.4813 ppm	9.8097 ppm	0.5074 ppm	0.5051 ppm	0.5353 ppm
Concentration per Run 2	0.5098 ppm	0.5015 ppm	0.4818 ppm	9.7492 ppm	0.5058 ppm	0.5044 ppm	0.5334 ppm
Concentration per Run 3	0.5145 ppm	0.4996 ppm	0.4804 ppm	9.7356 ppm	0.5047 ppm	0.5039 ppm	0.5272 ppm
Recovery Percentage 1	102.231 %	100.184 %	96.231 %	97.649 %	101.194 %	100.898 %	106.389 %
Concentration RSD	0.6 %	0.2 %	0.1 %	0.4 %	0.3 %	0.1 %	0.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4820 ppm	5.4118 ppm	0.4996 ppm	0.5073 ppm	0.5023 ppm	0.4905 ppm	0.5110 ppm
Concentration per Run 1	0.4823 ppm	5.4213 ppm	0.5007 ppm	0.5086 ppm	0.5014 ppm	0.4915 ppm	0.5104 ppm
Concentration per Run 2	0.4827 ppm	5.4117 ppm	0.5001 ppm	0.5070 ppm	0.5031 ppm	0.4906 ppm	0.5112 ppm
Concentration per Run 3	0.4811 ppm	5.4025 ppm	0.4979 ppm	0.5062 ppm	0.5023 ppm	0.4893 ppm	0.5114 ppm
Recovery Percentage 1	96.402 %	103.083 %	99.914 %	101.459 %	100.453 %	98.096 %	102.199 %
Concentration RSD	0.2 %	0.2 %	0.3 %	0.2 %	0.2 %	0.2 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5083 ppm	94.9557 %	95.9142 %	95.2981 %	99.6766 %	99.0118 %	99.6240 %
Concentration per Run 1	0.5086 ppm	94.7473 %	95.9999 %	95.2937 %	99.7126 %	98.8671 %	99.7810 %
Concentration per Run 2	0.5090 ppm	94.9696 %	95.8600 %	95.5088 %	99.5328 %	98.9923 %	99.4543 %
Concentration per Run 3	0.5074 ppm	95.1503 %	95.8827 %	95.0917 %	99.7844 %	99.1759 %	99.6366 %
Recovery Percentage 1	101.665 %						
Concentration RSD	0.2 %	0.2 %	0.1 %	0.2 %	0.1 %	0.2 %	0.2 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: CCB
 Analysis started at: 6/30/2025 10:28:05 PM
 Comments: <Comment>
 Rack: 0
 Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	-0.0014 ppm	0.0008 ppm	0.0022 ppm	0.0001 ppm	0.0000 ppm	0.0048 ppm
Concentration per Run 1	0.0001 ppm	-0.0083 ppm	-0.0005 ppm	0.0023 ppm	0.0001 ppm	0.0001 ppm	0.0043 ppm
Concentration per Run 2	0.0000 ppm	-0.0011 ppm	0.0022 ppm	0.0022 ppm	0.0001 ppm	0.0000 ppm	0.0063 ppm
Concentration per Run 3	0.0001 ppm	0.0053 ppm	0.0007 ppm	0.0021 ppm	0.0000 ppm	0.0000 ppm	0.0039 ppm
Recovery Percentage 1	0.632 %	-1.392 %	15.266 %	7.380 %	0.633 %	0.913 %	4.847 %
Concentration RSD	196.8 %	488.5 %	176.5 %	4.6 %	105.1 %	57.5 %	25.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0001 ppm	-0.0004 ppm	-0.0003 ppm	0.0075 ppm	-0.0010 ppm
Concentration per Run 1	0.0000 ppm	-0.0001 ppm	0.0003 ppm	-0.0004 ppm	-0.0006 ppm	-0.0079 ppm	-0.0006 ppm
Concentration per Run 2	0.0000 ppm	0.0000 ppm	0.0000 ppm	-0.0006 ppm	-0.0005 ppm	0.0121 ppm	-0.0009 ppm
Concentration per Run 3	-0.0001 ppm	0.0000 ppm	0.0000 ppm	-0.0003 ppm	0.0003 ppm	0.0184 ppm	-0.0014 ppm
Recovery Percentage 1	-0.556 %	-0.157 %	0.930 %	-4.367 %	-0.574 %	0.300 %	-9.721 %
Concentration RSD	145.1 %	96.3 %	184.2 %	32.5 %	169.1 %	183.1 %	41.8 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	-0.0002 ppm	-0.0001 ppm	0.0025 ppm	0.0049 ppm	0.0000 ppm	0.0001 ppm	0.0034 ppm
Concentration per Run 1	0.0000 ppm	-0.0002 ppm	0.0025 ppm	-0.0026 ppm	0.0001 ppm	0.0007 ppm	0.0037 ppm
Concentration per Run 2	-0.0019 ppm	0.0000 ppm	0.0025 ppm	0.0114 ppm	-0.0001 ppm	-0.0001 ppm	0.0044 ppm
Concentration per Run 3	0.0012 ppm	-0.0001 ppm	0.0024 ppm	0.0060 ppm	0.0001 ppm	-0.0004 ppm	0.0022 ppm
Recovery Percentage 1	-0.199 %	-0.904 %	4.933 %	0.246 %	0.136 %	0.692 %	6.819 %
Concentration RSD	784.3 %	143.5 %	1.3 %	143.9 %	356.1 %	787.4 %	33.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0007 ppm	-0.0051 ppm	0.0007 ppm	0.0001 ppm	0.0003 ppm	-0.0002 ppm	0.0002 ppm
Concentration per Run 1	0.0026 ppm	-0.0054 ppm	0.0009 ppm	0.0000 ppm	0.0003 ppm	0.0001 ppm	0.0002 ppm
Concentration per Run 2	-0.0012 ppm	-0.0058 ppm	0.0008 ppm	0.0001 ppm	0.0002 ppm	0.0001 ppm	0.0003 ppm
Concentration per Run 3	0.0007 ppm	-0.0042 ppm	0.0006 ppm	0.0000 ppm	0.0004 ppm	-0.0008 ppm	0.0000 ppm
Recovery Percentage 1	7.073 %	-1.024 %	1.472 %	0.632 %	3.021 %	-1.147 %	1.644 %
Concentration RSD	269.3 %	16.4 %	20.1 %	91.7 %	26.8 %	230.8 %	80.5 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0001 ppm	99.1140 %	98.1675 %	97.2620 %	101.3032 %	102.2803 %	100.5002 %
Concentration per Run 1	0.0001 ppm	99.8574 %	98.0779 %	97.2689 %	101.7352 %	102.2459 %	100.4935 %
Concentration per Run 2	-0.0001 ppm	99.8506 %	98.1533 %	97.2812 %	102.1907 %	102.3270 %	100.6057 %
Concentration per Run 3	0.0002 ppm	97.6341 %	98.2711 %	97.2359 %	99.9835 %	102.2680 %	100.4014 %
Recovery Percentage 1	1.076 %						
Concentration RSD	248.6 %	1.3 %	0.1 %	0.0 %	1.2 %	0.0 %	0.1 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: L2536247-09 WG2082283
 Analysis started at: 6/30/2025 10:40:12 PM
 Comments: <Comment>
 Rack: 2
 Vial: 17

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0003 ppm	0.0421 ppm	0.0005 ppm	0.0177 ppm	0.0667 ppm	0.0000 ppm	18.5490 ppm
Concentration per Run 1	-0.0006 ppm	0.0407 ppm	-0.0003 ppm	0.0173 ppm	0.0668 ppm	0.0000 ppm	18.5987 ppm
Concentration per Run 2	-0.0002 ppm	0.0354 ppm	0.0000 ppm	0.0176 ppm	0.0666 ppm	0.0000 ppm	18.5570 ppm
Concentration per Run 3	-0.0002 ppm	0.0501 ppm	0.0017 ppm	0.0181 ppm	0.0667 ppm	0.0001 ppm	18.4911 ppm
Concentration RSD	61.6 %	17.7 %	233.0 %	2.3 %	0.1 %	223.2 %	0.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0000 ppm	0.0028 ppm	0.0000 ppm	0.0627 ppm	1.2084 ppm	-0.0015 ppm
Concentration per Run 1	-0.0001 ppm	0.0001 ppm	0.0027 ppm	0.0000 ppm	0.0636 ppm	1.2016 ppm	-0.0024 ppm
Concentration per Run 2	-0.0001 ppm	0.0000 ppm	0.0027 ppm	0.0003 ppm	0.0636 ppm	1.1977 ppm	-0.0013 ppm
Concentration per Run 3	-0.0001 ppm	0.0000 ppm	0.0030 ppm	-0.0001 ppm	0.0608 ppm	1.2257 ppm	-0.0008 ppm
Concentration RSD	4.8 %	55.2 %	6.1 %	448.2 %	2.6 %	1.3 %	55.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	8.0884 ppm	0.0039 ppm	0.0011 ppm	12.2210 ppm	0.0007 ppm	0.0004 ppm	0.0015 ppm
Concentration per Run 1	8.0900 ppm	0.0036 ppm	0.0012 ppm	12.2275 ppm	0.0007 ppm	0.0008 ppm	0.0011 ppm
Concentration per Run 2	8.0818 ppm	0.0038 ppm	0.0011 ppm	12.2123 ppm	0.0006 ppm	-0.0001 ppm	0.0023 ppm
Concentration per Run 3	8.0935 ppm	0.0042 ppm	0.0009 ppm	12.2232 ppm	0.0007 ppm	0.0005 ppm	0.0011 ppm
Concentration RSD	0.1 %	7.1 %	13.4 %	0.1 %	9.6 %	124.7 %	46.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0006 ppm	4.2885 ppm	0.0004 ppm	0.0888 ppm	0.0026 ppm	-0.0010 ppm	0.0004 ppm
Concentration per Run 1	-0.0020 ppm	4.2953 ppm	0.0006 ppm	0.0889 ppm	0.0026 ppm	-0.0008 ppm	0.0004 ppm
Concentration per Run 2	0.0006 ppm	4.2823 ppm	0.0003 ppm	0.0888 ppm	0.0027 ppm	0.0002 ppm	0.0004 ppm
Concentration per Run 3	-0.0005 ppm	4.2879 ppm	0.0003 ppm	0.0887 ppm	0.0025 ppm	-0.0025 ppm	0.0002 ppm
Concentration RSD	204.7 %	0.2 %	48.4 %	0.1 %	4.1 %	132.4 %	32.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0010 ppm	98.5775 %	97.3522 %	96.2618 %	102.6968 %	99.5160 %	100.8982 %
Concentration per Run 1	0.0010 ppm	98.7885 %	97.1303 %	96.1476 %	102.8031 %	99.5356 %	100.8004 %
Concentration per Run 2	0.0010 ppm	98.4128 %	97.5342 %	96.4894 %	102.5687 %	99.5117 %	100.9463 %
Concentration per Run 3	0.0010 ppm	98.5311 %	97.3921 %	96.1486 %	102.7185 %	99.5006 %	100.9479 %
Concentration RSD	1.7 %	0.2 %	0.2 %	0.2 %	0.1 %	0.0 %	0.1 %

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LabBook: WG2085078_06302025T5.imexp

Sample: L2536247-10 WG2082283
 Analysis started at: 6/30/2025 10:46:32 PM
 Comments: <Comment>
 Rack: 2
 Vial: 18

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0056 ppm	0.0014 ppm	0.0194 ppm	0.0120 ppm	0.0000 ppm	23.3981 ppm
Concentration per Run 1	-0.0002 ppm	0.0057 ppm	0.0020 ppm	0.0195 ppm	0.0118 ppm	0.0000 ppm	23.1617 ppm
Concentration per Run 2	0.0002 ppm	0.0018 ppm	0.0000 ppm	0.0191 ppm	0.0121 ppm	0.0001 ppm	23.6389 ppm
Concentration per Run 3	-0.0001 ppm	0.0092 ppm	0.0021 ppm	0.0196 ppm	0.0120 ppm	0.0000 ppm	23.3938 ppm
Concentration RSD	862.7 %	66.4 %	86.9 %	1.4 %	1.1 %	99.5 %	1.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0000 ppm	0.0013 ppm	-0.0001 ppm	0.0181 ppm	1.3969 ppm	-0.0014 ppm
Concentration per Run 1	-0.0001 ppm	0.0001 ppm	0.0013 ppm	-0.0002 ppm	0.0181 ppm	1.3512 ppm	-0.0011 ppm
Concentration per Run 2	-0.0001 ppm	0.0000 ppm	0.0012 ppm	0.0001 ppm	0.0176 ppm	1.4356 ppm	-0.0024 ppm
Concentration per Run 3	-0.0001 ppm	0.0000 ppm	0.0013 ppm	-0.0003 ppm	0.0187 ppm	1.4039 ppm	-0.0008 ppm
Concentration RSD	6.7 %	410.8 %	4.0 %	156.6 %	3.2 %	3.0 %	60.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	4.9911 ppm	0.0037 ppm	0.0014 ppm	10.1656 ppm	0.0025 ppm	0.0004 ppm	0.0004 ppm
Concentration per Run 1	4.9661 ppm	0.0035 ppm	0.0013 ppm	10.0968 ppm	0.0025 ppm	0.0002 ppm	0.0010 ppm
Concentration per Run 2	4.9976 ppm	0.0040 ppm	0.0014 ppm	10.2496 ppm	0.0026 ppm	0.0005 ppm	-0.0002 ppm
Concentration per Run 3	5.0097 ppm	0.0037 ppm	0.0013 ppm	10.1503 ppm	0.0023 ppm	0.0006 ppm	0.0005 ppm
Concentration RSD	0.5 %	7.2 %	4.7 %	0.8 %	5.2 %	50.6 %	149.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0007 ppm	1.0113 ppm	0.0000 ppm	0.0750 ppm	0.0003 ppm	-0.0012 ppm	0.0006 ppm
Concentration per Run 1	-0.0009 ppm	1.0090 ppm	0.0000 ppm	0.0744 ppm	0.0003 ppm	0.0008 ppm	0.0006 ppm
Concentration per Run 2	0.0013 ppm	1.0106 ppm	0.0001 ppm	0.0759 ppm	0.0003 ppm	-0.0024 ppm	0.0007 ppm
Concentration per Run 3	-0.0026 ppm	1.0142 ppm	-0.0002 ppm	0.0748 ppm	0.0001 ppm	-0.0020 ppm	0.0005 ppm
Concentration RSD	263.5 %	0.3 %	829.1 %	1.0 %	37.8 %	141.6 %	14.0 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0014 ppm	97.7243 %	96.8427 %	95.8018 %	101.4179 %	99.5839 %	100.7440 %
Concentration per Run 1	0.0013 ppm	99.2699 %	97.0096 %	95.7707 %	102.1559 %	99.7673 %	101.1855 %
Concentration per Run 2	0.0014 ppm	96.5608 %	96.8210 %	95.8304 %	100.3456 %	99.5775 %	100.6602 %
Concentration per Run 3	0.0014 ppm	97.3421 %	96.6976 %	95.8044 %	101.7522 %	99.4068 %	100.3863 %
Concentration RSD	4.7 %	1.4 %	0.2 %	0.0 %	0.9 %	0.2 %	0.4 %

ICP DataTrace 5

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LabBook: WG2085078_06302025T5.imexp

Sample: L2536247-11 WG2082283
 Analysis started at: 6/30/2025 10:52:53 PM
 Comments: <Comment>
 Rack: 2
 Vial: 19

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0003 ppm	0.0505 ppm	0.0011 ppm	0.0091 ppm	0.0023 ppm	0.0000 ppm	8.3335 ppm
Concentration per Run 1	0.0003 ppm	0.0495 ppm	0.0015 ppm	0.0091 ppm	0.0023 ppm	0.0000 ppm	8.3337 ppm
Concentration per Run 2	0.0003 ppm	0.0542 ppm	0.0002 ppm	0.0089 ppm	0.0022 ppm	0.0000 ppm	8.3171 ppm
Concentration per Run 3	0.0004 ppm	0.0479 ppm	0.0015 ppm	0.0093 ppm	0.0023 ppm	0.0000 ppm	8.3498 ppm
Concentration RSD	8.2 %	6.5 %	67.2 %	2.2 %	3.9 %	50.2 %	0.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0009 ppm	-0.0002 ppm	1.1565 ppm	1.0353 ppm	0.0006 ppm
Concentration per Run 1	-0.0001 ppm	0.0000 ppm	0.0008 ppm	-0.0002 ppm	1.1540 ppm	1.0384 ppm	0.0002 ppm
Concentration per Run 2	-0.0001 ppm	0.0000 ppm	0.0011 ppm	-0.0001 ppm	1.1559 ppm	1.0400 ppm	0.0009 ppm
Concentration per Run 3	0.0000 ppm	0.0000 ppm	0.0007 ppm	-0.0004 ppm	1.1596 ppm	1.0274 ppm	0.0006 ppm
Concentration RSD	20.5 %	143.4 %	20.2 %	81.3 %	0.2 %	0.7 %	62.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	3.3424 ppm	0.0322 ppm	0.0008 ppm	5.9790 ppm	0.0000 ppm	0.0006 ppm	0.0014 ppm
Concentration per Run 1	3.3351 ppm	0.0317 ppm	0.0009 ppm	5.9638 ppm	0.0000 ppm	0.0008 ppm	0.0009 ppm
Concentration per Run 2	3.3428 ppm	0.0326 ppm	0.0007 ppm	5.9834 ppm	-0.0002 ppm	0.0000 ppm	0.0021 ppm
Concentration per Run 3	3.3493 ppm	0.0323 ppm	0.0008 ppm	5.9899 ppm	0.0003 ppm	0.0011 ppm	0.0012 ppm
Concentration RSD	0.2 %	1.3 %	16.3 %	0.2 %	623.3 %	90.0 %	46.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0010 ppm	13.5352 ppm	-0.0001 ppm	0.0399 ppm	0.0029 ppm	-0.0005 ppm	0.0005 ppm
Concentration per Run 1	0.0001 ppm	13.5211 ppm	0.0000 ppm	0.0396 ppm	0.0028 ppm	0.0003 ppm	0.0006 ppm
Concentration per Run 2	0.0014 ppm	13.5208 ppm	0.0000 ppm	0.0402 ppm	0.0027 ppm	-0.0008 ppm	0.0004 ppm
Concentration per Run 3	0.0016 ppm	13.5639 ppm	-0.0003 ppm	0.0399 ppm	0.0030 ppm	-0.0011 ppm	0.0005 ppm
Concentration RSD	76.9 %	0.2 %	167.9 %	0.7 %	4.8 %	136.0 %	14.9 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0013 ppm	98.1042 %	97.9869 %	97.1335 %	102.1946 %	101.1906 %	101.7661 %
Concentration per Run 1	0.0013 ppm	97.7098 %	97.8657 %	97.2887 %	102.6045 %	101.2406 %	101.8388 %
Concentration per Run 2	0.0014 ppm	98.7176 %	98.0044 %	96.8737 %	102.6824 %	101.2332 %	101.6865 %
Concentration per Run 3	0.0013 ppm	97.8853 %	98.0906 %	97.2381 %	101.2968 %	101.0979 %	101.7731 %
Concentration RSD	6.4 %	0.5 %	0.1 %	0.2 %	0.8 %	0.1 %	0.1 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: L2536247-13 WG2082283
 Analysis started at: 6/30/2025 10:59:13 PM
 Comments: <Comment>
 Rack: 2
 Vial: 20

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0003 ppm	0.2305 ppm	0.0022 ppm	0.0206 ppm	0.0228 ppm	0.0000 ppm	24.9187 ppm
Concentration per Run 1	-0.0005 ppm	0.2246 ppm	0.0031 ppm	0.0207 ppm	0.0223 ppm	0.0000 ppm	24.3695 ppm
Concentration per Run 2	-0.0004 ppm	0.2352 ppm	0.0017 ppm	0.0205 ppm	0.0229 ppm	0.0000 ppm	25.0529 ppm
Concentration per Run 3	0.0001 ppm	0.2318 ppm	0.0020 ppm	0.0205 ppm	0.0231 ppm	0.0001 ppm	25.3338 ppm
Concentration RSD	131.0 %	2.4 %	33.4 %	0.4 %	1.8 %	67.2 %	2.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0002 ppm	0.0003 ppm	0.0082 ppm	0.0008 ppm	0.4126 ppm	2.0076 ppm	-0.0004 ppm
Concentration per Run 1	-0.0002 ppm	0.0003 ppm	0.0083 ppm	0.0007 ppm	0.4059 ppm	1.9584 ppm	-0.0003 ppm
Concentration per Run 2	-0.0002 ppm	0.0004 ppm	0.0079 ppm	0.0006 ppm	0.4134 ppm	2.0143 ppm	-0.0006 ppm
Concentration per Run 3	-0.0001 ppm	0.0003 ppm	0.0084 ppm	0.0010 ppm	0.4184 ppm	2.0500 ppm	-0.0005 ppm
Concentration RSD	18.5 %	28.9 %	3.1 %	21.9 %	1.5 %	2.3 %	31.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	4.7801 ppm	0.0242 ppm	0.0008 ppm	9.5106 ppm	0.0036 ppm	0.0005 ppm	0.0002 ppm
Concentration per Run 1	4.7834 ppm	0.0236 ppm	0.0008 ppm	9.3186 ppm	0.0036 ppm	0.0005 ppm	-0.0002 ppm
Concentration per Run 2	4.7464 ppm	0.0241 ppm	0.0009 ppm	9.5681 ppm	0.0035 ppm	0.0004 ppm	0.0007 ppm
Concentration per Run 3	4.8106 ppm	0.0248 ppm	0.0007 ppm	9.6451 ppm	0.0036 ppm	0.0005 ppm	0.0001 ppm
Concentration RSD	0.7 %	2.5 %	9.7 %	1.8 %	1.7 %	9.1 %	193.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0004 ppm	2.6326 ppm	-0.0005 ppm	0.0693 ppm	0.0131 ppm	-0.0011 ppm	0.0014 ppm
Concentration per Run 1	0.0003 ppm	2.6394 ppm	-0.0006 ppm	0.0680 ppm	0.0133 ppm	-0.0002 ppm	0.0013 ppm
Concentration per Run 2	0.0001 ppm	2.6337 ppm	-0.0003 ppm	0.0696 ppm	0.0130 ppm	-0.0026 ppm	0.0014 ppm
Concentration per Run 3	0.0009 ppm	2.6246 ppm	-0.0004 ppm	0.0703 ppm	0.0131 ppm	-0.0004 ppm	0.0015 ppm
Concentration RSD	97.8 %	0.3 %	31.3 %	1.7 %	0.9 %	126.1 %	6.6 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0013 ppm	99.9742 %	97.2949 %	95.9619 %	104.4024 %	99.6449 %	101.0071 %
Concentration per Run 1	0.0012 ppm	102.3008 %	97.2771 %	96.0303 %	106.3692 %	99.4179 %	100.9437 %
Concentration per Run 2	0.0013 ppm	99.3754 %	97.4896 %	95.9398 %	104.1894 %	99.6824 %	101.3622 %
Concentration per Run 3	0.0013 ppm	98.2464 %	97.1181 %	95.9156 %	102.6486 %	99.8345 %	100.7154 %
Concentration RSD	5.3 %	2.1 %	0.2 %	0.1 %	1.8 %	0.2 %	0.3 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: L2536247-14 WG2082283
 Analysis started at: 6/30/2025 11:05:34 PM
 Comments: <Comment>
 Rack: 2
 Vial: 21

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.0192 ppm	0.0002 ppm	0.0179 ppm	0.0448 ppm	0.0000 ppm	25.6520 ppm
Concentration per Run 1	-0.0001 ppm	0.0168 ppm	0.0016 ppm	0.0178 ppm	0.0445 ppm	0.0000 ppm	25.4744 ppm
Concentration per Run 2	-0.0002 ppm	0.0152 ppm	-0.0011 ppm	0.0177 ppm	0.0448 ppm	0.0000 ppm	25.7108 ppm
Concentration per Run 3	0.0001 ppm	0.0257 ppm	0.0001 ppm	0.0182 ppm	0.0450 ppm	0.0000 ppm	25.7709 ppm
Concentration RSD	176.7 %	29.5 %	667.8 %	1.4 %	0.5 %	177.0 %	0.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0001 ppm	0.0056 ppm	0.0001 ppm	0.0740 ppm	0.9769 ppm	-0.0019 ppm
Concentration per Run 1	-0.0001 ppm	0.0002 ppm	0.0058 ppm	0.0001 ppm	0.0729 ppm	0.9808 ppm	-0.0020 ppm
Concentration per Run 2	-0.0001 ppm	0.0002 ppm	0.0054 ppm	0.0001 ppm	0.0739 ppm	0.9765 ppm	-0.0019 ppm
Concentration per Run 3	-0.0001 ppm	0.0000 ppm	0.0055 ppm	0.0001 ppm	0.0752 ppm	0.9733 ppm	-0.0017 ppm
Concentration RSD	6.0 %	69.4 %	4.0 %	25.2 %	1.5 %	0.4 %	8.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	5.8891 ppm	0.0055 ppm	0.0005 ppm	9.1442 ppm	0.0034 ppm	0.0000 ppm	0.0014 ppm
Concentration per Run 1	5.8791 ppm	0.0055 ppm	0.0005 ppm	9.0854 ppm	0.0033 ppm	0.0002 ppm	0.0017 ppm
Concentration per Run 2	5.8861 ppm	0.0054 ppm	0.0004 ppm	9.1821 ppm	0.0037 ppm	0.0006 ppm	0.0010 ppm
Concentration per Run 3	5.9021 ppm	0.0055 ppm	0.0006 ppm	9.1652 ppm	0.0032 ppm	-0.0006 ppm	0.0015 ppm
Concentration RSD	0.2 %	0.6 %	13.0 %	0.6 %	6.7 %	1,453.8 %	23.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0005 ppm	3.2560 ppm	-0.0004 ppm	0.0860 ppm	0.0010 ppm	-0.0018 ppm	0.0003 ppm
Concentration per Run 1	-0.0013 ppm	3.2628 ppm	0.0000 ppm	0.0853 ppm	0.0010 ppm	-0.0017 ppm	0.0003 ppm
Concentration per Run 2	-0.0025 ppm	3.2508 ppm	-0.0005 ppm	0.0862 ppm	0.0011 ppm	-0.0027 ppm	0.0003 ppm
Concentration per Run 3	0.0024 ppm	3.2543 ppm	-0.0008 ppm	0.0865 ppm	0.0009 ppm	-0.0011 ppm	0.0003 ppm
Concentration RSD	526.5 %	0.2 %	90.3 %	0.7 %	12.3 %	45.0 %	13.0 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0008 ppm	97.5374 %	96.8480 %	95.5881 %	102.5544 %	99.4394 %	101.3809 %
Concentration per Run 1	0.0008 ppm	97.9094 %	96.9229 %	95.5641 %	103.1319 %	99.1477 %	101.5261 %
Concentration per Run 2	0.0008 ppm	97.4629 %	96.7379 %	95.6205 %	102.1577 %	99.6052 %	101.3011 %
Concentration per Run 3	0.0006 ppm	97.2399 %	96.8831 %	95.5797 %	102.3734 %	99.5651 %	101.3154 %
Concentration RSD	12.9 %	0.3 %	0.1 %	0.0 %	0.5 %	0.3 %	0.1 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: L2536247-15 WG2082283
 Analysis started at: 6/30/2025 11:11:56 PM
 Comments: <Comment>
 Rack: 2
 Vial: 22

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0002 ppm	0.1216 ppm	0.0005 ppm	0.0476 ppm	0.0244 ppm	0.0000 ppm	29.2995 ppm
Concentration per Run 1	-0.0002 ppm	0.1208 ppm	0.0010 ppm	0.0473 ppm	0.0241 ppm	0.0000 ppm	28.6253 ppm
Concentration per Run 2	-0.0002 ppm	0.1212 ppm	0.0014 ppm	0.0482 ppm	0.0244 ppm	0.0001 ppm	29.4271 ppm
Concentration per Run 3	-0.0001 ppm	0.1229 ppm	-0.0010 ppm	0.0473 ppm	0.0248 ppm	0.0000 ppm	29.8461 ppm
Concentration RSD	42.1 %	0.9 %	268.7 %	1.1 %	1.4 %	78.6 %	2.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0004 ppm	0.0044 ppm	0.0005 ppm	0.2329 ppm	1.6163 ppm	-0.0013 ppm
Concentration per Run 1	-0.0001 ppm	0.0005 ppm	0.0042 ppm	0.0004 ppm	0.2259 ppm	1.5625 ppm	-0.0010 ppm
Concentration per Run 2	-0.0001 ppm	0.0003 ppm	0.0045 ppm	0.0007 ppm	0.2354 ppm	1.6089 ppm	-0.0010 ppm
Concentration per Run 3	-0.0002 ppm	0.0003 ppm	0.0046 ppm	0.0005 ppm	0.2373 ppm	1.6776 ppm	-0.0018 ppm
Concentration RSD	21.3 %	21.4 %	4.4 %	28.4 %	2.6 %	3.6 %	36.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	7.4693 ppm	0.0591 ppm	0.0003 ppm	9.6274 ppm	0.0023 ppm	0.0009 ppm	0.0003 ppm
Concentration per Run 1	7.4637 ppm	0.0571 ppm	0.0004 ppm	9.4224 ppm	0.0022 ppm	0.0014 ppm	0.0000 ppm
Concentration per Run 2	7.4908 ppm	0.0595 ppm	0.0003 ppm	9.6699 ppm	0.0023 ppm	0.0013 ppm	0.0006 ppm
Concentration per Run 3	7.4534 ppm	0.0606 ppm	0.0003 ppm	9.7898 ppm	0.0023 ppm	-0.0001 ppm	0.0003 ppm
Concentration RSD	0.3 %	3.0 %	24.1 %	1.9 %	1.4 %	94.8 %	98.9 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0013 ppm	4.8064 ppm	0.0000 ppm	0.0877 ppm	0.0073 ppm	-0.0019 ppm	0.0009 ppm
Concentration per Run 1	-0.0026 ppm	4.7960 ppm	-0.0004 ppm	0.0859 ppm	0.0074 ppm	-0.0028 ppm	0.0009 ppm
Concentration per Run 2	-0.0005 ppm	4.8319 ppm	-0.0004 ppm	0.0882 ppm	0.0070 ppm	-0.0027 ppm	0.0009 ppm
Concentration per Run 3	-0.0009 ppm	4.7914 ppm	0.0009 ppm	0.0890 ppm	0.0075 ppm	-0.0002 ppm	0.0008 ppm
Concentration RSD	86.6 %	0.5 %	3,445.3 %	1.8 %	3.2 %	75.6 %	11.0 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0008 ppm	99.9329 %	97.0540 %	95.7358 %	103.8902 %	99.0415 %	101.3576 %
Concentration per Run 1	0.0008 ppm	102.8307 %	97.0774 %	95.8687 %	106.5228 %	99.2136 %	101.4623 %
Concentration per Run 2	0.0009 ppm	99.4116 %	97.1047 %	95.7148 %	103.2606 %	98.7975 %	101.2464 %
Concentration per Run 3	0.0008 ppm	97.5564 %	96.9800 %	95.6239 %	101.8871 %	99.1135 %	101.3641 %
Concentration RSD	6.8 %	2.7 %	0.1 %	0.1 %	2.3 %	0.2 %	0.1 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: L2536247-16 WG2082283
 Analysis started at: 6/30/2025 11:18:18 PM
 Comments: <Comment>
 Rack: 2
 Vial: 23

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0324 ppm	0.0000 ppm	0.0126 ppm	0.0232 ppm	0.0000 ppm	25.6125 ppm
Concentration per Run 1	0.0005 ppm	0.0294 ppm	0.0005 ppm	0.0126 ppm	0.0233 ppm	0.0000 ppm	25.7347 ppm
Concentration per Run 2	-0.0001 ppm	0.0306 ppm	-0.0010 ppm	0.0125 ppm	0.0230 ppm	0.0000 ppm	25.5209 ppm
Concentration per Run 3	0.0001 ppm	0.0371 ppm	0.0004 ppm	0.0126 ppm	0.0232 ppm	0.0000 ppm	25.5819 ppm
Concentration RSD	233.3 %	12.8 %	10,678.7 %	0.3 %	0.7 %	15.1 %	0.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0002 ppm	0.0002 ppm	0.0045 ppm	0.0008 ppm	0.0934 ppm	1.6102 ppm	-0.0006 ppm
Concentration per Run 1	-0.0002 ppm	0.0000 ppm	0.0044 ppm	0.0009 ppm	0.0929 ppm	1.6051 ppm	-0.0010 ppm
Concentration per Run 2	-0.0001 ppm	0.0002 ppm	0.0047 ppm	0.0006 ppm	0.0940 ppm	1.6062 ppm	-0.0001 ppm
Concentration per Run 3	-0.0002 ppm	0.0003 ppm	0.0044 ppm	0.0009 ppm	0.0934 ppm	1.6192 ppm	-0.0008 ppm
Concentration RSD	25.3 %	77.8 %	4.6 %	21.9 %	0.6 %	0.5 %	72.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	5.0536 ppm	0.0056 ppm	0.0003 ppm	8.9294 ppm	0.0059 ppm	0.0001 ppm	0.0000 ppm
Concentration per Run 1	5.0537 ppm	0.0055 ppm	0.0003 ppm	8.9534 ppm	0.0060 ppm	0.0000 ppm	-0.0001 ppm
Concentration per Run 2	5.0622 ppm	0.0056 ppm	0.0004 ppm	8.9099 ppm	0.0058 ppm	0.0005 ppm	0.0003 ppm
Concentration per Run 3	5.0449 ppm	0.0058 ppm	0.0003 ppm	8.9250 ppm	0.0058 ppm	-0.0003 ppm	-0.0002 ppm
Concentration RSD	0.2 %	2.3 %	22.3 %	0.2 %	1.9 %	732.4 %	1,040.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0002 ppm	2.8563 ppm	-0.0005 ppm	0.0716 ppm	0.0012 ppm	-0.0002 ppm	0.0008 ppm
Concentration per Run 1	0.0018 ppm	2.8531 ppm	-0.0005 ppm	0.0719 ppm	0.0014 ppm	0.0016 ppm	0.0007 ppm
Concentration per Run 2	-0.0021 ppm	2.8656 ppm	-0.0007 ppm	0.0714 ppm	0.0012 ppm	-0.0017 ppm	0.0008 ppm
Concentration per Run 3	0.0008 ppm	2.8501 ppm	-0.0004 ppm	0.0716 ppm	0.0011 ppm	-0.0006 ppm	0.0008 ppm
Concentration RSD	1,047.9 %	0.3 %	33.5 %	0.4 %	14.5 %	683.9 %	9.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0002 ppm	97.2795 %	96.2465 %	94.8950 %	101.5172 %	98.8887 %	100.7359 %
Concentration per Run 1	0.0003 ppm	97.2847 %	96.2752 %	94.7118 %	101.2502 %	98.8830 %	100.7134 %
Concentration per Run 2	0.0002 ppm	97.2156 %	96.0767 %	94.9192 %	101.8595 %	98.7735 %	100.6253 %
Concentration per Run 3	0.0002 ppm	97.3381 %	96.3877 %	95.0539 %	101.4419 %	99.0096 %	100.8690 %
Concentration RSD	17.8 %	0.1 %	0.2 %	0.2 %	0.3 %	0.1 %	0.1 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: L2536247-17 WG2082283
 Analysis started at: 6/30/2025 11:24:41 PM
 Comments: <Comment>
 Rack: 2
 Vial: 24

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0070 ppm	0.0008 ppm	0.0130 ppm	0.0154 ppm	0.0000 ppm	24.9164 ppm
Concentration per Run 1	0.0000 ppm	0.0074 ppm	0.0010 ppm	0.0129 ppm	0.0153 ppm	0.0000 ppm	24.7518 ppm
Concentration per Run 2	0.0001 ppm	0.0081 ppm	0.0012 ppm	0.0132 ppm	0.0156 ppm	0.0000 ppm	24.9253 ppm
Concentration per Run 3	-0.0001 ppm	0.0055 ppm	0.0000 ppm	0.0128 ppm	0.0154 ppm	0.0000 ppm	25.0720 ppm
Concentration RSD	9.372.5 %	19.7 %	82.4 %	1.7 %	0.8 %	147.4 %	0.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0002 ppm	0.0000 ppm	0.0010 ppm	0.0000 ppm	0.1504 ppm	2.1034 ppm	-0.0011 ppm
Concentration per Run 1	-0.0001 ppm	0.0000 ppm	0.0009 ppm	0.0001 ppm	0.1488 ppm	2.1000 ppm	-0.0011 ppm
Concentration per Run 2	-0.0001 ppm	0.0000 ppm	0.0008 ppm	-0.0001 ppm	0.1515 ppm	2.1066 ppm	-0.0008 ppm
Concentration per Run 3	-0.0002 ppm	-0.0001 ppm	0.0012 ppm	0.0001 ppm	0.1509 ppm	2.1036 ppm	-0.0014 ppm
Concentration RSD	15.9 %	84.0 %	24.5 %	1,141.7 %	0.9 %	0.2 %	30.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	5.0660 ppm	0.0063 ppm	0.0010 ppm	8.8051 ppm	0.0007 ppm	0.0003 ppm	0.0011 ppm
Concentration per Run 1	5.0703 ppm	0.0064 ppm	0.0010 ppm	8.7435 ppm	0.0006 ppm	-0.0006 ppm	0.0004 ppm
Concentration per Run 2	5.0605 ppm	0.0063 ppm	0.0012 ppm	8.8400 ppm	0.0008 ppm	0.0009 ppm	0.0010 ppm
Concentration per Run 3	5.0673 ppm	0.0063 ppm	0.0010 ppm	8.8317 ppm	0.0007 ppm	0.0007 ppm	0.0019 ppm
Concentration RSD	0.1 %	0.7 %	9.8 %	0.6 %	11.5 %	251.5 %	67.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0017 ppm	1.7414 ppm	-0.0005 ppm	0.0736 ppm	0.0005 ppm	-0.0001 ppm	0.0009 ppm
Concentration per Run 1	0.0009 ppm	1.7382 ppm	-0.0004 ppm	0.0732 ppm	0.0002 ppm	-0.0019 ppm	0.0009 ppm
Concentration per Run 2	0.0006 ppm	1.7417 ppm	-0.0009 ppm	0.0739 ppm	0.0007 ppm	0.0007 ppm	0.0010 ppm
Concentration per Run 3	0.0036 ppm	1.7442 ppm	-0.0002 ppm	0.0738 ppm	0.0005 ppm	0.0008 ppm	0.0008 ppm
Concentration RSD	99.8 %	0.2 %	68.4 %	0.5 %	58.8 %	1,216.3 %	12.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0005 ppm	96.8193 %	96.4945 %	95.2168 %	101.4315 %	99.1405 %	100.7324 %
Concentration per Run 1	0.0005 ppm	96.7675 %	96.2369 %	95.3836 %	102.0130 %	99.4187 %	100.5735 %
Concentration per Run 2	0.0005 ppm	97.0940 %	96.5121 %	95.0552 %	101.4207 %	98.9554 %	100.7173 %
Concentration per Run 3	0.0005 ppm	96.5965 %	96.7346 %	95.2117 %	100.8607 %	99.0476 %	100.9064 %
Concentration RSD	4.9 %	0.3 %	0.3 %	0.2 %	0.6 %	0.2 %	0.2 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: L2536247-18 WG2082283
 Analysis started at: 6/30/2025 11:31:04 PM
 Comments: <Comment>
 Rack: 2
 Vial: 25

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.9653 ppm	0.0007 ppm	0.0196 ppm	0.0297 ppm	0.0001 ppm	21.9759 ppm
Concentration per Run 1	0.0003 ppm	0.9748 ppm	0.0004 ppm	0.0197 ppm	0.0299 ppm	0.0000 ppm	22.1942 ppm
Concentration per Run 2	-0.0001 ppm	0.9617 ppm	0.0008 ppm	0.0196 ppm	0.0296 ppm	0.0001 ppm	21.9204 ppm
Concentration per Run 3	-0.0002 ppm	0.9595 ppm	0.0008 ppm	0.0195 ppm	0.0294 ppm	0.0001 ppm	21.8130 ppm
Concentration RSD	5,291.2 %	0.9 %	36.0 %	0.5 %	0.9 %	19.5 %	0.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0016 ppm	0.1476 ppm	0.0023 ppm	2.1297 ppm	1.1558 ppm	-0.0001 ppm
Concentration per Run 1	-0.0002 ppm	0.0017 ppm	0.1480 ppm	0.0021 ppm	2.1418 ppm	1.1752 ppm	0.0008 ppm
Concentration per Run 2	-0.0001 ppm	0.0016 ppm	0.1480 ppm	0.0023 ppm	2.1312 ppm	1.1621 ppm	0.0001 ppm
Concentration per Run 3	-0.0001 ppm	0.0015 ppm	0.1467 ppm	0.0025 ppm	2.1162 ppm	1.1300 ppm	-0.0011 ppm
Concentration RSD	15.7 %	5.9 %	0.5 %	9.6 %	0.6 %	2.0 %	1,125.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	6.0898 ppm	0.0733 ppm	0.0011 ppm	10.0170 ppm	0.0209 ppm	0.0011 ppm	0.0004 ppm
Concentration per Run 1	6.0853 ppm	0.0743 ppm	0.0012 ppm	10.1418 ppm	0.0208 ppm	0.0010 ppm	0.0014 ppm
Concentration per Run 2	6.1204 ppm	0.0732 ppm	0.0011 ppm	9.9780 ppm	0.0209 ppm	0.0009 ppm	-0.0016 ppm
Concentration per Run 3	6.0636 ppm	0.0724 ppm	0.0010 ppm	9.9312 ppm	0.0209 ppm	0.0012 ppm	0.0013 ppm
Concentration RSD	0.5 %	1.3 %	10.8 %	1.1 %	0.3 %	15.3 %	471.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0003 ppm	3.2989 ppm	-0.0003 ppm	0.0523 ppm	0.0376 ppm	-0.0020 ppm	0.0030 ppm
Concentration per Run 1	0.0017 ppm	3.2985 ppm	-0.0002 ppm	0.0528 ppm	0.0374 ppm	-0.0021 ppm	0.0030 ppm
Concentration per Run 2	-0.0026 ppm	3.2991 ppm	-0.0004 ppm	0.0522 ppm	0.0379 ppm	-0.0008 ppm	0.0030 ppm
Concentration per Run 3	0.0001 ppm	3.2992 ppm	-0.0003 ppm	0.0520 ppm	0.0373 ppm	-0.0030 ppm	0.0031 ppm
Concentration RSD	831.0 %	0.0 %	36.8 %	0.9 %	0.9 %	56.3 %	2.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0035 ppm	97.8702 %	98.1187 %	96.7608 %	101.3122 %	100.0716 %	102.0108 %
Concentration per Run 1	0.0035 ppm	97.4772 %	98.0087 %	96.8228 %	100.4446 %	99.9927 %	102.0630 %
Concentration per Run 2	0.0034 ppm	97.4826 %	97.8993 %	96.5858 %	101.3325 %	99.9896 %	101.7071 %
Concentration per Run 3	0.0035 ppm	98.6509 %	98.4480 %	96.8738 %	102.1595 %	100.2326 %	102.2623 %
Concentration RSD	0.3 %	0.7 %	0.3 %	0.2 %	0.8 %	0.1 %	0.3 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: L2536247-20 WG2082283
 Analysis started at: 6/30/2025 11:37:24 PM
 Comments: <Comment>
 Rack: 2
 Vial: 26

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.0459 ppm	0.0007 ppm	0.0121 ppm	0.0237 ppm	0.0000 ppm	25.8991 ppm
Concentration per Run 1	-0.0001 ppm	0.0480 ppm	0.0017 ppm	0.0123 ppm	0.0240 ppm	0.0000 ppm	26.2001 ppm
Concentration per Run 2	-0.0002 ppm	0.0445 ppm	-0.0002 ppm	0.0119 ppm	0.0235 ppm	0.0000 ppm	25.7440 ppm
Concentration per Run 3	0.0001 ppm	0.0453 ppm	0.0006 ppm	0.0121 ppm	0.0235 ppm	0.0000 ppm	25.7531 ppm
Concentration RSD	226.9 %	4.0 %	139.5 %	1.9 %	1.3 %	27.8 %	1.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0002 ppm	0.0060 ppm	0.0009 ppm	0.1192 ppm	1.6333 ppm	-0.0011 ppm
Concentration per Run 1	-0.0002 ppm	0.0004 ppm	0.0058 ppm	0.0010 ppm	0.1191 ppm	1.6539 ppm	-0.0003 ppm
Concentration per Run 2	-0.0002 ppm	0.0002 ppm	0.0061 ppm	0.0009 ppm	0.1192 ppm	1.6145 ppm	-0.0011 ppm
Concentration per Run 3	-0.0001 ppm	0.0001 ppm	0.0062 ppm	0.0008 ppm	0.1192 ppm	1.6316 ppm	-0.0018 ppm
Concentration RSD	18.1 %	47.0 %	3.3 %	7.5 %	0.0 %	1.2 %	71.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	5.0638 ppm	0.0063 ppm	0.0004 ppm	9.0296 ppm	0.0064 ppm	0.0005 ppm	-0.0009 ppm
Concentration per Run 1	5.0843 ppm	0.0063 ppm	0.0005 ppm	9.1019 ppm	0.0064 ppm	0.0005 ppm	-0.0008 ppm
Concentration per Run 2	5.0522 ppm	0.0064 ppm	0.0005 ppm	8.9886 ppm	0.0064 ppm	-0.0001 ppm	-0.0006 ppm
Concentration per Run 3	5.0547 ppm	0.0063 ppm	0.0003 ppm	8.9983 ppm	0.0064 ppm	0.0010 ppm	-0.0011 ppm
Concentration RSD	0.4 %	0.9 %	20.2 %	0.7 %	0.4 %	109.6 %	28.9 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0016 ppm	2.8645 ppm	0.0002 ppm	0.0724 ppm	0.0015 ppm	-0.0008 ppm	0.0007 ppm
Concentration per Run 1	-0.0012 ppm	2.8550 ppm	0.0000 ppm	0.0731 ppm	0.0015 ppm	-0.0022 ppm	0.0007 ppm
Concentration per Run 2	-0.0022 ppm	2.8647 ppm	0.0007 ppm	0.0720 ppm	0.0017 ppm	-0.0011 ppm	0.0008 ppm
Concentration per Run 3	-0.0015 ppm	2.8737 ppm	0.0000 ppm	0.0721 ppm	0.0015 ppm	0.0009 ppm	0.0008 ppm
Concentration RSD	30.7 %	0.3 %	198.7 %	0.8 %	7.5 %	193.2 %	8.0 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0004 ppm	96.8881 %	96.5299 %	95.4330 %	100.9736 %	99.1270 %	100.5933 %
Concentration per Run 1	0.0004 ppm	95.7724 %	96.2339 %	95.5388 %	99.9289 %	99.2468 %	100.3010 %
Concentration per Run 2	0.0005 ppm	97.8966 %	96.6192 %	95.4973 %	101.9842 %	99.1551 %	100.7347 %
Concentration per Run 3	0.0005 ppm	96.9953 %	96.7367 %	95.2630 %	101.0078 %	98.9791 %	100.7443 %
Concentration RSD	4.0 %	1.1 %	0.3 %	0.2 %	1.0 %	0.1 %	0.3 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: CCV
 Analysis started at: 6/30/2025 11:43:46 PM
 Comments: <Comment>
 Rack: 0
 Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.5157 ppm	0.4587 ppm	0.4745 ppm	0.4903 ppm	0.4750 ppm	0.4575 ppm	0.4760 ppm
Concentration per Run 1	0.5156 ppm	0.4265 ppm	0.4745 ppm	0.4897 ppm	0.4464 ppm	0.4302 ppm	0.4441 ppm
Concentration per Run 2	0.5164 ppm	0.4694 ppm	0.4727 ppm	0.4912 ppm	0.4850 ppm	0.4679 ppm	0.4891 ppm
Concentration per Run 3	0.5150 ppm	0.4802 ppm	0.4762 ppm	0.4900 ppm	0.4934 ppm	0.4743 ppm	0.4950 ppm
Recovery Percentage 1	103.131 %	91.740 %	94.896 %	98.059 %	94.991 %	91.493 %	95.206 %
Concentration RSD	0.1 %	6.2 %	0.4 %	0.2 %	5.3 %	5.2 %	5.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.5058 ppm	0.5137 ppm	0.5177 ppm	0.5111 ppm	0.4785 ppm	4.9843 ppm	0.4704 ppm
Concentration per Run 1	0.5060 ppm	0.5135 ppm	0.5181 ppm	0.5109 ppm	0.4492 ppm	4.6390 ppm	0.4419 ppm
Concentration per Run 2	0.5060 ppm	0.5146 ppm	0.5185 ppm	0.5119 ppm	0.4901 ppm	5.1151 ppm	0.4806 ppm
Concentration per Run 3	0.5055 ppm	0.5131 ppm	0.5165 ppm	0.5104 ppm	0.4962 ppm	5.1988 ppm	0.4888 ppm
Recovery Percentage 1	101.161 %	102.749 %	103.540 %	102.213 %	95.697 %	99.687 %	94.079 %
Concentration RSD	0.1 %	0.2 %	0.2 %	0.1 %	5.3 %	6.1 %	5.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5010 ppm	0.4740 ppm	0.4707 ppm	9.2560 ppm	0.5002 ppm	0.4980 ppm	0.5082 ppm
Concentration per Run 1	0.5015 ppm	0.4456 ppm	0.4699 ppm	8.7074 ppm	0.5000 ppm	0.4990 ppm	0.5078 ppm
Concentration per Run 2	0.5026 ppm	0.4855 ppm	0.4716 ppm	9.4550 ppm	0.5009 ppm	0.4982 ppm	0.5099 ppm
Concentration per Run 3	0.4987 ppm	0.4908 ppm	0.4707 ppm	9.6057 ppm	0.4997 ppm	0.4969 ppm	0.5069 ppm
Recovery Percentage 1	100.191 %	94.791 %	94.148 %	92.560 %	100.044 %	99.608 %	101.636 %
Concentration RSD	0.4 %	5.2 %	0.2 %	5.2 %	0.1 %	0.2 %	0.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4740 ppm	5.3706 ppm	0.4860 ppm	0.4817 ppm	0.4961 ppm	0.4832 ppm	0.5041 ppm
Concentration per Run 1	0.4750 ppm	5.3719 ppm	0.4860 ppm	0.4531 ppm	0.4958 ppm	0.4830 ppm	0.5031 ppm
Concentration per Run 2	0.4761 ppm	5.3787 ppm	0.4858 ppm	0.4919 ppm	0.4972 ppm	0.4823 ppm	0.5047 ppm
Concentration per Run 3	0.4709 ppm	5.3613 ppm	0.4861 ppm	0.4999 ppm	0.4952 ppm	0.4842 ppm	0.5045 ppm
Recovery Percentage 1	94.799 %	102.298 %	97.196 %	96.331 %	99.218 %	96.632 %	100.817 %
Concentration RSD	0.6 %	0.2 %	0.0 %	5.2 %	0.2 %	0.2 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5029 ppm	100.7177 %	96.9320 %	96.1682 %	104.4699 %	100.0120 %	100.9241 %
Concentration per Run 1	0.5034 ppm	106.9705 %	96.9424 %	96.0718 %	110.3507 %	99.8722 %	101.0317 %
Concentration per Run 2	0.5026 ppm	97.9910 %	96.9340 %	96.0107 %	101.9463 %	99.8167 %	100.7073 %
Concentration per Run 3	0.5026 ppm	97.1916 %	96.9197 %	96.4221 %	101.1126 %	100.3472 %	101.0334 %
Recovery Percentage 1	100.574 %						
Concentration RSD	0.1 %	5.4 %	0.0 %	0.2 %	4.9 %	0.3 %	0.2 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: CCB
 Analysis started at: 6/30/2025 11:49:54 PM
 Comments: <Comment>
 Rack: 0
 Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	-0.0016 ppm	0.0008 ppm	0.0012 ppm	0.0000 ppm	0.0000 ppm	0.0046 ppm
Concentration per Run 1	0.0001 ppm	0.0028 ppm	0.0006 ppm	0.0013 ppm	0.0000 ppm	0.0001 ppm	0.0067 ppm
Concentration per Run 2	0.0001 ppm	-0.0027 ppm	0.0005 ppm	0.0013 ppm	0.0000 ppm	0.0000 ppm	0.0057 ppm
Concentration per Run 3	0.0002 ppm	-0.0049 ppm	0.0014 ppm	0.0012 ppm	-0.0001 ppm	0.0000 ppm	0.0016 ppm
Recovery Percentage 1	2.073 %	-1.600 %	16.535 %	4.099 %	-0.049 %	0.809 %	4.648 %
Concentration RSD	40.7 %	248.7 %	62.2 %	5.7 %	1,660.1 %	23.2 %	57.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	-0.0004 ppm	-0.0001 ppm	-0.0035 ppm	-0.0018 ppm
Concentration per Run 1	0.0000 ppm	0.0001 ppm	0.0000 ppm	-0.0002 ppm	0.0000 ppm	-0.0263 ppm	-0.0023 ppm
Concentration per Run 2	0.0000 ppm	0.0001 ppm	-0.0001 ppm	-0.0005 ppm	0.0004 ppm	0.0101 ppm	-0.0016 ppm
Concentration per Run 3	0.0000 ppm	-0.0001 ppm	0.0000 ppm	-0.0004 ppm	-0.0008 ppm	0.0057 ppm	-0.0014 ppm
Recovery Percentage 1	-0.677 %	0.103 %	-0.497 %	-3.786 %	-0.280 %	-0.140 %	-17.783 %
Concentration RSD	20.5 %	537.8 %	159.8 %	48.1 %	433.3 %	566.7 %	27.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	-0.0001 ppm	-0.0002 ppm	0.0013 ppm	0.0056 ppm	0.0000 ppm	0.0000 ppm	0.0008 ppm
Concentration per Run 1	0.0021 ppm	-0.0005 ppm	0.0015 ppm	0.0023 ppm	0.0000 ppm	0.0000 ppm	0.0003 ppm
Concentration per Run 2	-0.0003 ppm	-0.0001 ppm	0.0013 ppm	0.0019 ppm	0.0001 ppm	0.0004 ppm	0.0012 ppm
Concentration per Run 3	-0.0022 ppm	0.0000 ppm	0.0011 ppm	0.0125 ppm	-0.0001 ppm	-0.0004 ppm	0.0009 ppm
Recovery Percentage 1	-0.107 %	-1.863 %	2.639 %	0.278 %	-0.025 %	0.307 %	1.581 %
Concentration RSD	1,983.4 %	127.6 %	17.4 %	107.9 %	1,896.6 %	1,392.3 %	57.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0006 ppm	-0.0049 ppm	-0.0002 ppm	0.0001 ppm	0.0002 ppm	-0.0005 ppm	0.0000 ppm
Concentration per Run 1	0.0015 ppm	-0.0048 ppm	-0.0005 ppm	-0.0001 ppm	0.0002 ppm	-0.0011 ppm	0.0002 ppm
Concentration per Run 2	-0.0012 ppm	-0.0048 ppm	-0.0003 ppm	0.0001 ppm	0.0002 ppm	0.0010 ppm	0.0001 ppm
Concentration per Run 3	0.0015 ppm	-0.0050 ppm	0.0001 ppm	0.0001 ppm	0.0001 ppm	-0.0013 ppm	-0.0002 ppm
Recovery Percentage 1	5.889 %	-0.979 %	-0.465 %	0.548 %	1.676 %	-2.317 %	0.133 %
Concentration RSD	269.4 %	2.5 %	130.4 %	172.4 %	32.0 %	267.5 %	1,449.7 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0001 ppm	97.2045 %	98.3812 %	97.0719 %	100.4342 %	102.3425 %	100.7625 %
Concentration per Run 1	0.0002 ppm	97.2974 %	98.5129 %	97.1357 %	100.4735 %	102.2079 %	100.8579 %
Concentration per Run 2	0.0001 ppm	97.5092 %	98.4224 %	96.9876 %	100.4331 %	102.3523 %	100.7599 %
Concentration per Run 3	0.0000 ppm	96.8070 %	98.2082 %	97.0924 %	100.3958 %	102.4672 %	100.6696 %
Recovery Percentage 1	1.699 %						
Concentration RSD	143.1 %	0.4 %	0.2 %	0.1 %	0.0 %	0.1 %	0.1 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: CCV
 Analysis started at: 6/30/2025 11:56:21 PM
 Comments: <Comment>
 Rack: 0
 Vial: 10

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.5143 ppm	0.4773 ppm	0.4737 ppm	0.4913 ppm	0.4960 ppm	0.4664 ppm	0.4914 ppm
Concentration per Run 1	0.5126 ppm	0.4726 ppm	0.4742 ppm	0.4911 ppm	0.4914 ppm	0.4618 ppm	0.4903 ppm
Concentration per Run 2	0.5149 ppm	0.4771 ppm	0.4717 ppm	0.4904 ppm	0.4971 ppm	0.4674 ppm	0.4889 ppm
Concentration per Run 3	0.5154 ppm	0.4821 ppm	0.4752 ppm	0.4924 ppm	0.4996 ppm	0.4699 ppm	0.4950 ppm
Recovery Percentage 1	102.860 %	95.452 %	94.736 %	98.258 %	99.206 %	93.270 %	98.274 %
Concentration RSD	0.3 %	1.0 %	0.4 %	0.2 %	0.8 %	0.9 %	0.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.5034 ppm	0.5110 ppm	0.5151 ppm	0.5075 ppm	0.4941 ppm	5.3248 ppm	0.4867 ppm
Concentration per Run 1	0.5037 ppm	0.5114 ppm	0.5140 ppm	0.5083 ppm	0.4884 ppm	5.3032 ppm	0.4811 ppm
Concentration per Run 2	0.5026 ppm	0.5094 ppm	0.5136 ppm	0.5068 ppm	0.4957 ppm	5.3578 ppm	0.4872 ppm
Concentration per Run 3	0.5039 ppm	0.5123 ppm	0.5176 ppm	0.5073 ppm	0.4981 ppm	5.3134 ppm	0.4919 ppm
Recovery Percentage 1	100.683 %	102.204 %	103.013 %	101.494 %	98.814 %	106.496 %	97.346 %
Concentration RSD	0.1 %	0.3 %	0.4 %	0.1 %	1.0 %	0.5 %	1.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.4985 ppm	0.4846 ppm	0.4685 ppm	9.5403 ppm	0.4985 ppm	0.4966 ppm	0.5038 ppm
Concentration per Run 1	0.4971 ppm	0.4806 ppm	0.4679 ppm	9.4265 ppm	0.4984 ppm	0.4963 ppm	0.5013 ppm
Concentration per Run 2	0.4961 ppm	0.4852 ppm	0.4673 ppm	9.5497 ppm	0.4973 ppm	0.4950 ppm	0.5025 ppm
Concentration per Run 3	0.5022 ppm	0.4881 ppm	0.4704 ppm	9.6447 ppm	0.4997 ppm	0.4985 ppm	0.5075 ppm
Recovery Percentage 1	99.694 %	96.926 %	93.710 %	95.403 %	99.696 %	99.319 %	100.757 %
Concentration RSD	0.7 %	0.8 %	0.4 %	1.1 %	0.2 %	0.4 %	0.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4724 ppm	5.3103 ppm	0.4827 ppm	0.4944 ppm	0.4911 ppm	0.4820 ppm	0.5001 ppm
Concentration per Run 1	0.4700 ppm	5.3142 ppm	0.4837 ppm	0.4888 ppm	0.4906 ppm	0.4812 ppm	0.4995 ppm
Concentration per Run 2	0.4722 ppm	5.2961 ppm	0.4808 ppm	0.4956 ppm	0.4905 ppm	0.4812 ppm	0.4994 ppm
Concentration per Run 3	0.4749 ppm	5.3206 ppm	0.4834 ppm	0.4989 ppm	0.4922 ppm	0.4835 ppm	0.5015 ppm
Recovery Percentage 1	94.475 %	101.149 %	96.534 %	98.885 %	98.222 %	96.397 %	100.025 %
Concentration RSD	0.5 %	0.2 %	0.3 %	1.0 %	0.2 %	0.3 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5006 ppm	95.4865 %	97.2691 %	96.4972 %	102.0346 %	100.2470 %	101.6023 %
Concentration per Run 1	0.5010 ppm	95.5272 %	97.5632 %	96.2789 %	102.8787 %	100.0822 %	102.0581 %
Concentration per Run 2	0.5000 ppm	95.1930 %	97.3279 %	96.8136 %	101.5865 %	100.5390 %	101.4939 %
Concentration per Run 3	0.5009 ppm	95.7393 %	96.9162 %	96.3989 %	101.6387 %	100.1199 %	101.2549 %
Recovery Percentage 1	100.127 %						
Concentration RSD	0.1 %	0.3 %	0.3 %	0.3 %	0.7 %	0.3 %	0.4 %

ICP DataTrace 5

7/1/2025 12:11:02 PM



LabBook: WG2085078_06302025T5.imexp

Sample: CCB
 Analysis started at: 7/1/2025 12:02:32 AM
 Comments: <Comment>
 Rack: 0
 Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	-0.0034 ppm	0.0012 ppm	0.0015 ppm	-0.0001 ppm	0.0000 ppm	0.0048 ppm
Concentration per Run 1	0.0004 ppm	-0.0055 ppm	0.0017 ppm	0.0013 ppm	0.0000 ppm	0.0000 ppm	0.0027 ppm
Concentration per Run 2	0.0001 ppm	-0.0050 ppm	0.0014 ppm	0.0018 ppm	-0.0001 ppm	0.0000 ppm	0.0039 ppm
Concentration per Run 3	0.0003 ppm	0.0005 ppm	0.0005 ppm	0.0014 ppm	-0.0002 ppm	0.0001 ppm	0.0077 ppm
Recovery Percentage 1	3.320 %	-3.352 %	24.265 %	4.999 %	-0.999 %	0.863 %	4.785 %
Concentration RSD	63.6 %	99.0 %	49.8 %	15.2 %	86.9 %	17.8 %	54.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0002 ppm	-0.0005 ppm	-0.0002 ppm	0.0021 ppm	-0.0015 ppm
Concentration per Run 1	0.0000 ppm	0.0001 ppm	0.0002 ppm	-0.0005 ppm	-0.0002 ppm	-0.0116 ppm	-0.0018 ppm
Concentration per Run 2	0.0000 ppm	-0.0001 ppm	0.0002 ppm	-0.0006 ppm	-0.0006 ppm	0.0075 ppm	-0.0015 ppm
Concentration per Run 3	0.0000 ppm	0.0000 ppm	0.0002 ppm	-0.0004 ppm	0.0003 ppm	0.0105 ppm	-0.0012 ppm
Recovery Percentage 1	-0.040 %	-0.074 %	2.203 %	-5.061 %	-0.337 %	0.085 %	-15.134 %
Concentration RSD	1,113.2 %	511.4 %	6.0 %	25.3 %	258.5 %	562.0 %	19.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0002 ppm	0.0000 ppm	0.0015 ppm	0.0003 ppm	0.0001 ppm	0.0003 ppm	0.0011 ppm
Concentration per Run 1	0.0007 ppm	0.0001 ppm	0.0016 ppm	0.0015 ppm	0.0000 ppm	0.0002 ppm	0.0008 ppm
Concentration per Run 2	-0.0008 ppm	0.0002 ppm	0.0017 ppm	0.0012 ppm	0.0002 ppm	0.0004 ppm	0.0013 ppm
Concentration per Run 3	0.0007 ppm	-0.0002 ppm	0.0013 ppm	-0.0018 ppm	0.0002 ppm	0.0004 ppm	0.0012 ppm
Recovery Percentage 1	0.226 %	0.152 %	3.073 %	0.015 %	0.441 %	3.267 %	2.177 %
Concentration RSD	379.4 %	1,156.5 %	12.5 %	627.8 %	83.8 %	28.3 %	25.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0022 ppm	-0.0055 ppm	-0.0002 ppm	0.0001 ppm	0.0003 ppm	-0.0007 ppm	0.0002 ppm
Concentration per Run 1	0.0010 ppm	-0.0052 ppm	-0.0004 ppm	0.0001 ppm	0.0001 ppm	-0.0002 ppm	-0.0001 ppm
Concentration per Run 2	0.0022 ppm	-0.0062 ppm	0.0000 ppm	0.0001 ppm	0.0004 ppm	-0.0002 ppm	0.0003 ppm
Concentration per Run 3	0.0034 ppm	-0.0052 ppm	-0.0002 ppm	0.0000 ppm	0.0004 ppm	-0.0017 ppm	0.0003 ppm
Recovery Percentage 1	21.775 %	-1.108 %	-0.381 %	0.640 %	3.170 %	-3.507 %	1.654 %
Concentration RSD	54.1 %	10.2 %	88.7 %	67.4 %	53.5 %	125.9 %	141.7 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0001 ppm	97.2595 %	98.1833 %	97.0205 %	101.2759 %	102.2294 %	101.5681 %
Concentration per Run 1	0.0000 ppm	99.0524 %	98.2860 %	97.2401 %	102.5295 %	102.1025 %	101.8088 %
Concentration per Run 2	0.0001 ppm	96.2449 %	98.0191 %	96.8888 %	100.6205 %	102.3369 %	101.2622 %
Concentration per Run 3	0.0001 ppm	96.4813 %	98.2448 %	96.9327 %	100.6777 %	102.2489 %	101.6333 %
Recovery Percentage 1	1.509 %						
Concentration RSD	48.0 %	1.6 %	0.1 %	0.2 %	1.1 %	0.1 %	0.3 %

ICP DataTrace 5

7/1/2025 7:30:54 PM



LabBook: WG2085564_07012025T5.imexp

Sample: Blank DMC Trace5
 Analysis started at: 7/1/2025 5:54:20 AM
 Comments: <Comment>
 Rack: 0
 Vial: 1

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	-0.4 %	-0.7 %	1.5 %	0.1 %	0.4 %	0.8 %	0.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	0.2 %	0.1 %	-0.6 %	0.0 %	-0.5 %	-0.5 %	1.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	0.7 %	1.3 %	0.2 %	-0.2 %	-0.2 %	-0.1 %	0.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	-0.5 %	0.0 %	0.1 %	-0.3 %	-0.3 %	-0.4 %	-0.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0000 ppm	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %
Concentration per Run	0.0000 ppm	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %
Concentration RSD	0.3 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %

ICP DataTrace 5

7/1/2025 7:30:54 PM



LabBook: WG2085564_07012025T5.imexp

Sample: ICAL
 Analysis started at: 7/1/2025 6:00:45 AM
 Comments: <Comment>
 Rack: 0
 Vial: 2

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	1.0000 ppm	25.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	10.0000 ppm
Concentration per Run 1	1.0052 ppm	24.8808 ppm	0.9984 ppm	1.0001 ppm	0.9958 ppm	0.9950 ppm	9.9618 ppm
Concentration per Run 2	0.9997 ppm	25.0166 ppm	0.9994 ppm	1.0001 ppm	1.0002 ppm	1.0017 ppm	10.0107 ppm
Concentration per Run 3	0.9950 ppm	25.1026 ppm	1.0022 ppm	0.9998 ppm	1.0040 ppm	1.0033 ppm	10.0275 ppm
Concentration RSD	0.5 %	0.4 %	0.2 %	0.0 %	0.4 %	0.4 %	0.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	25.0000 ppm	35.0000 ppm	1.0000 ppm
Concentration per Run 1	0.9991 ppm	0.9996 ppm	1.0015 ppm	1.0009 ppm	24.9831 ppm	34.8743 ppm	0.9957 ppm
Concentration per Run 2	1.0005 ppm	1.0002 ppm	0.9985 ppm	1.0004 ppm	24.9169 ppm	35.0253 ppm	1.0009 ppm
Concentration per Run 3	1.0004 ppm	1.0002 ppm	1.0000 ppm	0.9987 ppm	25.1000 ppm	35.1004 ppm	1.0034 ppm
Concentration RSD	0.1 %	0.0 %	0.2 %	0.1 %	0.4 %	0.3 %	0.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	10.0000 ppm	1.0000 ppm	1.0000 ppm	25.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm
Concentration per Run 1	10.0531 ppm	0.9955 ppm	0.9992 ppm	24.8867 ppm	1.0004 ppm	1.0001 ppm	1.0008 ppm
Concentration per Run 2	9.9798 ppm	0.9998 ppm	1.0001 ppm	25.0150 ppm	0.9996 ppm	1.0007 ppm	0.9993 ppm
Concentration per Run 3	9.9671 ppm	1.0048 ppm	1.0007 ppm	25.0983 ppm	1.0000 ppm	0.9991 ppm	0.9999 ppm
Concentration RSD	0.5 %	0.5 %	0.1 %	0.4 %	0.0 %	0.1 %	0.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	1.0000 ppm	10.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm
Concentration per Run 1	0.9962 ppm	10.0027 ppm	1.0027 ppm	0.9963 ppm	1.0030 ppm	1.0006 ppm	1.0004 ppm
Concentration per Run 2	1.0020 ppm	9.9984 ppm	0.9988 ppm	1.0008 ppm	0.9987 ppm	0.9992 ppm	1.0000 ppm
Concentration per Run 3	1.0018 ppm	9.9988 ppm	0.9986 ppm	1.0030 ppm	0.9983 ppm	1.0002 ppm	0.9996 ppm
Concentration RSD	0.3 %	0.0 %	0.2 %	0.3 %	0.3 %	0.1 %	0.0 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	1.0000 ppm	100.0788 %	96.4021 %	96.9305 %	102.0920 %	95.1420 %	98.8892 %
Concentration per Run 1	0.9989 ppm	100.0198 %	96.3483 %	96.9906 %	102.4275 %	95.1502 %	98.5719 %
Concentration per Run 2	1.0012 ppm	100.5549 %	96.4606 %	96.9589 %	102.1985 %	95.1525 %	98.9905 %
Concentration per Run 3	0.9999 ppm	99.6616 %	96.3975 %	96.8419 %	101.6500 %	95.1234 %	99.1052 %
Concentration RSD	0.1 %	0.4 %	0.1 %	0.1 %	0.4 %	0.0 %	0.3 %

ICP DataTrace 5

7/1/2025 7:30:54 PM



LabBook: WG2085564_07012025T5.imexp

Sample: ICV
Analysis started at: 7/1/2025 6:07:25 AM
Comments: <Comment>
Rack: 0
Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.5104 ppm	0.5028 ppm	0.4751 ppm	0.4852 ppm	0.5022 ppm	0.5111 ppm	0.5152 ppm
Concentration per Run 1	0.5119 ppm	0.5024 ppm	0.4750 ppm	0.4866 ppm	0.4997 ppm	0.5070 ppm	0.5123 ppm
Concentration per Run 2	0.5092 ppm	0.5064 ppm	0.4762 ppm	0.4844 ppm	0.5045 ppm	0.5128 ppm	0.5221 ppm
Concentration per Run 3	0.5102 ppm	0.4996 ppm	0.4742 ppm	0.4846 ppm	0.5025 ppm	0.5136 ppm	0.5114 ppm
Recovery Percentage 1	102.090 %	100.563 %	95.025 %	97.036 %	100.445 %	102.222 %	103.048 %
Concentration RSD	0.3 %	0.7 %	0.2 %	0.3 %	0.5 %	0.7 %	1.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4947 ppm	0.5011 ppm	0.5098 ppm	0.5050 ppm	0.5240 ppm	5.1967 ppm	0.4992 ppm
Concentration per Run 1	0.4963 ppm	0.5024 ppm	0.5099 ppm	0.5044 ppm	0.5244 ppm	5.1510 ppm	0.4967 ppm
Concentration per Run 2	0.4947 ppm	0.5014 ppm	0.5090 ppm	0.5052 ppm	0.5282 ppm	5.2491 ppm	0.5004 ppm
Concentration per Run 3	0.4931 ppm	0.4994 ppm	0.5105 ppm	0.5054 ppm	0.5193 ppm	5.1901 ppm	0.5005 ppm
Recovery Percentage 1	98.936 %	100.217 %	101.957 %	101.002 %	104.796 %	103.934 %	99.837 %
Concentration RSD	0.3 %	0.3 %	0.2 %	0.1 %	0.9 %	1.0 %	0.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5129 ppm	0.5197 ppm	0.4873 ppm	10.0317 ppm	0.5050 ppm	0.5049 ppm	0.5005 ppm
Concentration per Run 1	0.5129 ppm	0.5156 ppm	0.4887 ppm	9.9433 ppm	0.5066 ppm	0.5059 ppm	0.5017 ppm
Concentration per Run 2	0.5121 ppm	0.5220 ppm	0.4870 ppm	10.0695 ppm	0.5055 ppm	0.5046 ppm	0.5022 ppm
Concentration per Run 3	0.5138 ppm	0.5215 ppm	0.4863 ppm	10.0823 ppm	0.5028 ppm	0.5042 ppm	0.4978 ppm
Recovery Percentage 1	102.584 %	103.935 %	97.463 %	100.317 %	100.994 %	100.974 %	100.109 %
Concentration RSD	0.2 %	0.7 %	0.3 %	0.8 %	0.4 %	0.2 %	0.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4864 ppm	5.4355 ppm	0.5037 ppm	0.4992 ppm	0.5014 ppm	0.5114 ppm	0.5085 ppm
Concentration per Run 1	0.4859 ppm	5.4470 ppm	0.5072 ppm	0.4961 ppm	0.5021 ppm	0.5130 ppm	0.5082 ppm
Concentration per Run 2	0.4887 ppm	5.4394 ppm	0.5021 ppm	0.5004 ppm	0.5013 ppm	0.5126 ppm	0.5087 ppm
Concentration per Run 3	0.4847 ppm	5.4200 ppm	0.5019 ppm	0.5011 ppm	0.5009 ppm	0.5087 ppm	0.5086 ppm
Recovery Percentage 1	97.282 %	103.533 %	100.746 %	99.844 %	100.287 %	102.287 %	101.699 %
Concentration RSD	0.4 %	0.3 %	0.6 %	0.5 %	0.1 %	0.5 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5013 ppm	99.4454 %	98.3280 %	99.0055 %	100.7256 %	99.0508 %	100.2068 %
Concentration per Run 1	0.5031 ppm	99.0437 %	98.5246 %	98.7032 %	101.1216 %	98.6615 %	100.1623 %
Concentration per Run 2	0.5011 ppm	98.8194 %	98.2962 %	99.1174 %	100.2285 %	99.0774 %	100.2686 %
Concentration per Run 3	0.4996 ppm	100.4732 %	98.1631 %	99.1960 %	100.8266 %	99.4135 %	100.1897 %
Recovery Percentage 1	100.254 %						
Concentration RSD	0.4 %	0.9 %	0.2 %	0.3 %	0.5 %	0.4 %	0.1 %

ICP DataTrace 5

7/1/2025 7:30:54 PM



LabBook: WG2085564_07012025T5.imexp

Sample: ICB
 Analysis started at: 7/1/2025 6:13:32 AM
 Comments: <Comment>
 Rack: 0
 Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0032 ppm	0.0010 ppm	0.0010 ppm	0.0001 ppm	0.0001 ppm	0.0175 ppm
Concentration per Run 1	0.0000 ppm	0.0011 ppm	0.0003 ppm	0.0011 ppm	0.0002 ppm	0.0000 ppm	0.0174 ppm
Concentration per Run 2	-0.0001 ppm	0.0081 ppm	0.0003 ppm	0.0008 ppm	0.0002 ppm	0.0001 ppm	0.0173 ppm
Concentration per Run 3	0.0003 ppm	0.0004 ppm	0.0025 ppm	0.0012 ppm	0.0001 ppm	0.0001 ppm	0.0178 ppm
Recovery Percentage 1	0.660 %	3.220 %	20.880 %	3.463 %	1.459 %	1.059 %	17.514 %
Concentration RSD	405.6 %	132.3 %	119.0 %	19.4 %	32.0 %	51.7 %	1.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0001 ppm	0.0001 ppm	0.0000 ppm	0.0000 ppm	0.0229 ppm	0.0001 ppm
Concentration per Run 1	0.0000 ppm	-0.0001 ppm	0.0000 ppm	-0.0001 ppm	0.0001 ppm	0.0492 ppm	0.0006 ppm
Concentration per Run 2	0.0000 ppm	-0.0001 ppm	0.0000 ppm	-0.0001 ppm	0.0009 ppm	0.0141 ppm	-0.0002 ppm
Concentration per Run 3	0.0000 ppm	0.0000 ppm	0.0003 ppm	0.0001 ppm	-0.0009 ppm	0.0053 ppm	-0.0002 ppm
Recovery Percentage 1	0.061 %	-0.535 %	1.232 %	-0.500 %	0.081 %	0.914 %	0.636 %
Concentration RSD	765.0 %	62.9 %	160.4 %	278.3 %	2,263.1 %	101.7 %	671.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0000 ppm	-0.0001 ppm	0.0017 ppm	0.0054 ppm	0.0000 ppm	-0.0001 ppm	-0.0004 ppm
Concentration per Run 1	-0.0009 ppm	0.0000 ppm	0.0018 ppm	0.0076 ppm	-0.0001 ppm	0.0009 ppm	-0.0006 ppm
Concentration per Run 2	0.0003 ppm	0.0000 ppm	0.0017 ppm	0.0034 ppm	0.0002 ppm	-0.0006 ppm	0.0004 ppm
Concentration per Run 3	0.0006 ppm	-0.0003 ppm	0.0014 ppm	0.0053 ppm	-0.0002 ppm	-0.0006 ppm	-0.0011 ppm
Recovery Percentage 1	-0.018 %	-1.101 %	3.326 %	0.272 %	-0.168 %	-1.066 %	-0.815 %
Concentration RSD	4,497.0 %	130.1 %	12.6 %	39.1 %	509.2 %	786.1 %	180.9 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0010 ppm	-0.0010 ppm	0.0002 ppm	0.0001 ppm	0.0002 ppm	-0.0005 ppm	0.0001 ppm
Concentration per Run 1	0.0004 ppm	-0.0015 ppm	0.0004 ppm	0.0001 ppm	0.0003 ppm	-0.0003 ppm	0.0001 ppm
Concentration per Run 2	0.0014 ppm	-0.0007 ppm	0.0002 ppm	0.0000 ppm	0.0001 ppm	0.0008 ppm	0.0002 ppm
Concentration per Run 3	0.0012 ppm	-0.0008 ppm	0.0000 ppm	0.0002 ppm	0.0001 ppm	-0.0019 ppm	0.0001 ppm
Recovery Percentage 1	9.779 %	-0.208 %	0.461 %	1.052 %	2.042 %	-2.350 %	1.365 %
Concentration RSD	55.4 %	41.8 %	89.4 %	100.2 %	55.7 %	287.9 %	29.7 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0006 ppm	98.7728 %	100.1712 %	100.3858 %	98.1568 %	100.4206 %	100.3811 %
Concentration per Run 1	0.0005 ppm	97.1972 %	100.2074 %	100.1613 %	96.7513 %	100.4089 %	100.4254 %
Concentration per Run 2	0.0006 ppm	99.3061 %	100.1511 %	100.5007 %	98.5301 %	100.4482 %	100.2935 %
Concentration per Run 3	0.0005 ppm	99.8151 %	100.1551 %	100.4954 %	99.1889 %	100.4048 %	100.4245 %
Recovery Percentage 1	11.170 %						
Concentration RSD	13.5 %	1.4 %	0.0 %	0.2 %	1.3 %	0.0 %	0.1 %

ICP DataTrace 5

7/1/2025 7:30:54 PM



LabBook: WG2085564_07012025T5.imexp

Sample: ICV
Analysis started at: 7/1/2025 6:19:59 AM
Comments: <Comment>
Rack: 0
Vial: 10

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.5183 ppm	0.5071 ppm	0.4746 ppm	0.4875 ppm	0.5114 ppm	0.5164 ppm	0.5238 ppm
Concentration per Run 1	0.5189 ppm	0.5052 ppm	0.4720 ppm	0.4878 ppm	0.5101 ppm	0.5148 ppm	0.5247 ppm
Concentration per Run 2	0.5178 ppm	0.5080 ppm	0.4759 ppm	0.4874 ppm	0.5136 ppm	0.5179 ppm	0.5215 ppm
Concentration per Run 3	0.5182 ppm	0.5082 ppm	0.4758 ppm	0.4874 ppm	0.5105 ppm	0.5167 ppm	0.5251 ppm
Recovery Percentage 1	103.663 %	101.427 %	94.920 %	97.508 %	102.276 %	103.289 %	104.756 %
Concentration RSD	0.1 %	0.3 %	0.5 %	0.0 %	0.4 %	0.3 %	0.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4901 ppm	0.4972 ppm	0.5063 ppm	0.5038 ppm	0.5214 ppm	5.3233 ppm	0.5151 ppm
Concentration per Run 1	0.4894 ppm	0.4970 ppm	0.5076 ppm	0.5046 ppm	0.5234 ppm	5.2747 ppm	0.5129 ppm
Concentration per Run 2	0.4906 ppm	0.4975 ppm	0.5056 ppm	0.5025 ppm	0.5237 ppm	5.3635 ppm	0.5168 ppm
Concentration per Run 3	0.4902 ppm	0.4972 ppm	0.5057 ppm	0.5043 ppm	0.5173 ppm	5.3317 ppm	0.5156 ppm
Recovery Percentage 1	98.014 %	99.443 %	101.259 %	100.768 %	104.287 %	106.466 %	103.013 %
Concentration RSD	0.1 %	0.1 %	0.2 %	0.2 %	0.7 %	0.8 %	0.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5138 ppm	0.5246 ppm	0.4842 ppm	10.3400 ppm	0.5025 ppm	0.5022 ppm	0.4968 ppm
Concentration per Run 1	0.5139 ppm	0.5224 ppm	0.4835 ppm	10.2831 ppm	0.5021 ppm	0.5024 ppm	0.4968 ppm
Concentration per Run 2	0.5148 ppm	0.5258 ppm	0.4848 ppm	10.3805 ppm	0.5031 ppm	0.5032 ppm	0.4972 ppm
Concentration per Run 3	0.5127 ppm	0.5255 ppm	0.4844 ppm	10.3563 ppm	0.5021 ppm	0.5010 ppm	0.4963 ppm
Recovery Percentage 1	102.757 %	104.914 %	96.847 %	103.400 %	100.493 %	100.439 %	99.359 %
Concentration RSD	0.2 %	0.4 %	0.1 %	0.5 %	0.1 %	0.2 %	0.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4864 ppm	5.3696 ppm	0.4994 ppm	0.5093 ppm	0.5008 ppm	0.5125 ppm	0.5069 ppm
Concentration per Run 1	0.4873 ppm	5.3698 ppm	0.4989 ppm	0.5074 ppm	0.5013 ppm	0.5139 ppm	0.5067 ppm
Concentration per Run 2	0.4864 ppm	5.3717 ppm	0.5002 ppm	0.5106 ppm	0.4997 ppm	0.5112 ppm	0.5072 ppm
Concentration per Run 3	0.4855 ppm	5.3673 ppm	0.4990 ppm	0.5099 ppm	0.5013 ppm	0.5124 ppm	0.5068 ppm
Recovery Percentage 1	97.278 %	102.278 %	99.870 %	101.865 %	100.158 %	102.497 %	101.381 %
Concentration RSD	0.2 %	0.0 %	0.1 %	0.3 %	0.2 %	0.3 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4969 ppm	99.2880 %	98.6895 %	99.1943 %	99.6859 %	99.2881 %	100.1574 %
Concentration per Run 1	0.4964 ppm	99.2892 %	98.6236 %	99.0310 %	100.2420 %	99.2678 %	100.1424 %
Concentration per Run 2	0.4975 ppm	98.5477 %	98.7467 %	99.1672 %	99.0553 %	99.2373 %	100.1598 %
Concentration per Run 3	0.4968 ppm	100.0270 %	98.6981 %	99.3846 %	99.7603 %	99.3591 %	100.1701 %
Recovery Percentage 1	99.380 %						
Concentration RSD	0.1 %	0.7 %	0.1 %	0.2 %	0.6 %	0.1 %	0.0 %

ICP DataTrace 5

7/1/2025 7:30:54 PM



LabBook: WG2085564_07012025T5.imexp

Sample: ICB
Analysis started at: 7/1/2025 6:26:09 AM
Comments: <Comment>
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.0031 ppm	0.0007 ppm	0.0012 ppm	0.0000 ppm	0.0000 ppm	0.0166 ppm
Concentration per Run 1	-0.0003 ppm	0.0026 ppm	0.0016 ppm	0.0011 ppm	-0.0001 ppm	0.0000 ppm	0.0152 ppm
Concentration per Run 2	-0.0001 ppm	0.0037 ppm	0.0000 ppm	0.0015 ppm	0.0001 ppm	0.0000 ppm	0.0128 ppm
Concentration per Run 3	-0.0001 ppm	0.0030 ppm	0.0006 ppm	0.0009 ppm	0.0001 ppm	0.0000 ppm	0.0218 ppm
Recovery Percentage 1	-1.765 %	3.121 %	14.120 %	3.944 %	0.356 %	0.450 %	16.618 %
Concentration RSD	94.6 %	18.4 %	113.6 %	26.8 %	313.0 %	179.5 %	27.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0002 ppm	0.0000 ppm	0.0000 ppm	0.0002 ppm	0.0115 ppm	-0.0007 ppm
Concentration per Run 1	0.0000 ppm	-0.0002 ppm	0.0000 ppm	-0.0002 ppm	0.0003 ppm	0.0123 ppm	0.0002 ppm
Concentration per Run 2	0.0000 ppm	-0.0002 ppm	-0.0003 ppm	0.0000 ppm	-0.0001 ppm	0.0218 ppm	-0.0014 ppm
Concentration per Run 3	0.0000 ppm	-0.0001 ppm	0.0004 ppm	0.0001 ppm	0.0005 ppm	0.0003 ppm	-0.0009 ppm
Recovery Percentage 1	-0.393 %	-0.950 %	0.273 %	-0.104 %	0.433 %	0.459 %	-7.120 %
Concentration RSD	151.6 %	37.3 %	1,235.6 %	1,192.3 %	151.6 %	94.0 %	111.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0000 ppm	0.0002 ppm	0.0016 ppm	0.0047 ppm	0.0000 ppm	-0.0001 ppm	0.0000 ppm
Concentration per Run 1	0.0007 ppm	0.0002 ppm	0.0017 ppm	0.0065 ppm	0.0000 ppm	0.0002 ppm	0.0003 ppm
Concentration per Run 2	-0.0013 ppm	0.0001 ppm	0.0015 ppm	0.0049 ppm	0.0000 ppm	-0.0005 ppm	-0.0010 ppm
Concentration per Run 3	0.0007 ppm	0.0001 ppm	0.0015 ppm	0.0026 ppm	0.0001 ppm	-0.0001 ppm	0.0006 ppm
Recovery Percentage 1	0.016 %	1.550 %	3.148 %	0.235 %	0.168 %	-1.164 %	-0.057 %
Concentration RSD	7,125.9 %	33.5 %	7.5 %	41.6 %	160.0 %	320.7 %	2,855.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0023 ppm	-0.0019 ppm	0.0000 ppm	0.0001 ppm	0.0003 ppm	-0.0002 ppm	0.0001 ppm
Concentration per Run 1	0.0032 ppm	-0.0020 ppm	0.0003 ppm	0.0001 ppm	0.0003 ppm	0.0007 ppm	0.0001 ppm
Concentration per Run 2	0.0019 ppm	-0.0019 ppm	-0.0003 ppm	0.0001 ppm	0.0002 ppm	0.0012 ppm	0.0002 ppm
Concentration per Run 3	0.0019 ppm	-0.0018 ppm	-0.0001 ppm	0.0001 ppm	0.0004 ppm	-0.0025 ppm	-0.0001 ppm
Recovery Percentage 1	23.138 %	-0.378 %	-0.079 %	0.933 %	3.158 %	-1.064 %	0.560 %
Concentration RSD	31.4 %	4.7 %	802.0 %	22.0 %	36.8 %	931.8 %	289.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0004 ppm	101.8694 %	99.7589 %	100.0828 %	100.1596 %	100.2220 %	99.7777 %
Concentration per Run 1	0.0004 ppm	103.2977 %	99.8647 %	100.1324 %	101.9087 %	100.0088 %	99.7474 %
Concentration per Run 2	0.0005 ppm	100.8062 %	99.7285 %	100.1485 %	99.3540 %	100.3820 %	99.8364 %
Concentration per Run 3	0.0004 ppm	101.5042 %	99.6835 %	99.9676 %	99.2161 %	100.2753 %	99.7493 %
Recovery Percentage 1	8.266 %						
Concentration RSD	18.4 %	1.3 %	0.1 %	0.1 %	1.5 %	0.2 %	0.1 %

ICP DataTrace 5

7/1/2025 7:30:54 PM



LabBook: WG2085564_07012025T5.imexp

Sample: LLOQ RL
Analysis started at: 7/1/2025 6:32:35 AM
Comments: <Comment>
Rack: 0
Vial: 5

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0056 ppm	0.1065 ppm	0.0052 ppm	0.0301 ppm	0.0102 ppm	0.0052 ppm	0.1154 ppm
Concentration per Run 1	0.0053 ppm	0.1059 ppm	0.0048 ppm	0.0303 ppm	0.0100 ppm	0.0052 ppm	0.1116 ppm
Concentration per Run 2	0.0057 ppm	0.1066 ppm	0.0061 ppm	0.0300 ppm	0.0102 ppm	0.0053 ppm	0.1190 ppm
Concentration per Run 3	0.0058 ppm	0.1070 ppm	0.0048 ppm	0.0301 ppm	0.0103 ppm	0.0052 ppm	0.1156 ppm
Recovery Percentage 1	112.232 %	106.527 %	104.396 %	100.481 %	101.859 %	104.756 %	115.389 %
Concentration RSD	4.3 %	0.5 %	14.6 %	0.4 %	1.2 %	1.2 %	3.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0040 ppm	0.0099 ppm	0.0103 ppm	0.0100 ppm	0.0526 ppm	2.6051 ppm	0.0103 ppm
Concentration per Run 1	0.0040 ppm	0.0100 ppm	0.0106 ppm	0.0102 ppm	0.0525 ppm	2.5492 ppm	0.0099 ppm
Concentration per Run 2	0.0040 ppm	0.0098 ppm	0.0103 ppm	0.0099 ppm	0.0530 ppm	2.6389 ppm	0.0104 ppm
Concentration per Run 3	0.0040 ppm	0.0099 ppm	0.0100 ppm	0.0100 ppm	0.0524 ppm	2.6272 ppm	0.0106 ppm
Recovery Percentage 1	100.218 %	98.822 %	102.839 %	99.978 %	105.254 %	104.205 %	102.983 %
Concentration RSD	0.5 %	1.1 %	2.6 %	1.4 %	0.6 %	1.9 %	3.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.1062 ppm	0.0106 ppm	0.0488 ppm	2.0221 ppm	0.0198 ppm	0.0099 ppm	0.0498 ppm
Concentration per Run 1	0.1064 ppm	0.0104 ppm	0.0484 ppm	1.9790 ppm	0.0199 ppm	0.0101 ppm	0.0495 ppm
Concentration per Run 2	0.1069 ppm	0.0107 ppm	0.0488 ppm	2.0453 ppm	0.0199 ppm	0.0097 ppm	0.0505 ppm
Concentration per Run 3	0.1052 ppm	0.0108 ppm	0.0492 ppm	2.0420 ppm	0.0197 ppm	0.0099 ppm	0.0494 ppm
Recovery Percentage 1	106.190 %	106.478 %	97.629 %	101.104 %	99.000 %	99.045 %	99.588 %
Concentration RSD	0.8 %	1.7 %	0.8 %	1.8 %	0.6 %	2.4 %	1.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0111 ppm	0.5173 ppm	0.0502 ppm	0.0102 ppm	0.0104 ppm	0.0212 ppm	0.0100 ppm
Concentration per Run 1	0.0102 ppm	0.5172 ppm	0.0505 ppm	0.0099 ppm	0.0105 ppm	0.0184 ppm	0.0098 ppm
Concentration per Run 2	0.0105 ppm	0.5182 ppm	0.0503 ppm	0.0105 ppm	0.0105 ppm	0.0221 ppm	0.0102 ppm
Concentration per Run 3	0.0126 ppm	0.5165 ppm	0.0499 ppm	0.0101 ppm	0.0102 ppm	0.0230 ppm	0.0101 ppm
Recovery Percentage 1	110.930 %	103.468 %	100.445 %	101.653 %	104.146 %	105.812 %	100.284 %
Concentration RSD	12.1 %	0.2 %	0.6 %	3.0 %	1.5 %	11.6 %	2.0 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0056 ppm	101.8495 %	99.4780 %	99.9412 %	101.4142 %	100.3653 %	100.7320 %
Concentration per Run 1	0.0055 ppm	103.3880 %	99.3659 %	99.8325 %	103.0527 %	100.4693 %	100.8562 %
Concentration per Run 2	0.0056 ppm	101.4604 %	99.3327 %	99.9571 %	100.4838 %	100.1815 %	100.4276 %
Concentration per Run 3	0.0056 ppm	100.7001 %	99.7355 %	100.0339 %	100.7062 %	100.4452 %	100.9123 %
Recovery Percentage 1	111.112 %						
Concentration RSD	0.7 %	1.4 %	0.2 %	0.1 %	1.4 %	0.2 %	0.3 %

ICP DataTrace 5

7/1/2025 7:30:54 PM



LabBook: WG2085564_07012025T5.imexp

Sample: ICSA
Analysis started at: 7/1/2025 6:38:59 AM
Comments: <Comment>
Rack: 0
Vial: 6

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0016 ppm	522.6146 [SIC 500]	0.0032 ppm	0.0047 ppm	0.0020 ppm	0.0000 ppm	480.9865 ppm
Concentration per Run 1	-0.0018 ppm	524.4352 ppm	0.0027 ppm	0.0047 ppm	0.0021 ppm	-0.0001 ppm	488.2110 ppm
Concentration per Run 2	-0.0014 ppm	523.3239 ppm	0.0058 ppm	0.0052 ppm	0.0019 ppm	0.0000 ppm	480.6039 ppm
Concentration per Run 3	-0.0016 ppm	520.0847 ppm	0.0010 ppm	0.0041 ppm	0.0021 ppm	-0.0001 ppm	474.1447 ppm
Recovery Percentage 1	-22.697 %	522,614.624 %	63.875 %	15.504 %	20.449 %	-0.858 %	480,986.499 %
Concentration RSD	10.0 %	0.4 %	76.6 %	11.8 %	4.8 %	125.2 %	1.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0075 ppm	0.0004 ppm	0.0016 ppm	0.0057 ppm	183.3209 ppm	0.0678 ppm	-0.0010 ppm
Concentration per Run 1	-0.0075 ppm	0.0005 ppm	0.0013 ppm	0.0056 ppm	184.2126 ppm	0.0569 ppm	-0.0007 ppm
Concentration per Run 2	-0.0074 ppm	0.0002 ppm	0.0016 ppm	0.0058 ppm	182.8517 ppm	0.0714 ppm	-0.0017 ppm
Concentration per Run 3	-0.0076 ppm	0.0004 ppm	0.0018 ppm	0.0058 ppm	182.8984 ppm	0.0752 ppm	-0.0006 ppm
Recovery Percentage 1	-187.934 %	1.871 %	15.505 %	57.094 %	366,641.785 %	2.714 %	-9.919 %
Concentration RSD	1.3 %	49.7 %	17.8 %	1.7 %	0.4 %	14.2 %	62.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	483.1594 ppm	0.0001 ppm	-0.0003 ppm	0.0534 ppm	-0.0020 ppm	-0.0148 ppm	0.0030 ppm
Concentration per Run 1	482.1107 ppm	-0.0001 ppm	0.0001 ppm	0.0524 ppm	-0.0024 ppm	-0.0119 ppm	0.0028 ppm
Concentration per Run 2	483.2382 ppm	0.0002 ppm	-0.0002 ppm	0.0481 ppm	-0.0018 ppm	-0.0162 ppm	0.0048 ppm
Concentration per Run 3	484.1292 ppm	0.0001 ppm	-0.0009 ppm	0.0596 ppm	-0.0017 ppm	-0.0162 ppm	0.0016 ppm
Recovery Percentage 1	483,159.370 %	1.040 %	-0.629 %	2.669 %	-7.917 %	-147.511 %	6.089 %
Concentration RSD	0.2 %	143.3 %	154.6 %	10.9 %	20.0 %	16.8 %	52.9 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0084 ppm	-0.0053 ppm	0.0020 ppm	0.0056 ppm	-0.0024 ppm	-0.0002 ppm	-0.0008 ppm
Concentration per Run 1	0.0077 ppm	-0.0049 ppm	0.0019 ppm	0.0056 ppm	-0.0022 ppm	0.0010 ppm	-0.0006 ppm
Concentration per Run 2	0.0091 ppm	-0.0045 ppm	0.0022 ppm	0.0057 ppm	-0.0026 ppm	-0.0013 ppm	-0.0009 ppm
Concentration per Run 3	0.0084 ppm	-0.0066 ppm	0.0018 ppm	0.0055 ppm	-0.0024 ppm	-0.0002 ppm	-0.0009 ppm
Recovery Percentage 1	83.961 %	-1.068 %	3.903 %	55.965 %	-23.725 %	-0.882 %	-8.192 %
Concentration RSD	7.9 %	20.5 %	9.3 %	1.9 %	7.6 %	633.2 %	19.6 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0028 ppm	93.5951 %	85.2366 %	86.5622 %	93.1971 %	74.8934 %	86.1410 %
Concentration per Run 1	0.0027 ppm	92.7482 %	85.1360 %	86.6396 %	92.4374 %	74.8985 %	86.2452 %
Concentration per Run 2	0.0027 ppm	93.9426 %	85.4236 %	86.3900 %	93.4755 %	74.9003 %	86.2158 %
Concentration per Run 3	0.0030 ppm	94.0944 %	85.1502 %	86.6570 %	93.6784 %	74.8814 %	85.9620 %
Recovery Percentage 1	55.748 %						
Concentration RSD	5.3 %	0.8 %	0.2 %	0.2 %	0.7 %	0.0 %	0.2 %

ICP DataTrace 5

7/1/2025 7:30:54 PM



LabBook: WG2085564_07012025T5.imexp

Sample: SIC Multi
Analysis started at: 7/1/2025 6:45:46 AM
Comments: <Comment>
Rack: 0
Vial: 7

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.0273 ppm	-0.0097 ppm	0.0014 ppm	0.0002 ppm	-0.0042 ppm	0.0189 ppm
Concentration per Run 1	-0.0003 ppm	0.0298 ppm	-0.0091 ppm	0.0012 ppm	0.0002 ppm	-0.0041 ppm	0.0140 ppm
Concentration per Run 2	0.0002 ppm	0.0225 ppm	-0.0098 ppm	0.0012 ppm	0.0001 ppm	-0.0043 ppm	0.0225 ppm
Concentration per Run 3	-0.0003 ppm	0.0297 ppm	-0.0103 ppm	0.0017 ppm	0.0001 ppm	-0.0041 ppm	0.0202 ppm
Recovery Percentage 1	-1.738 %	27.343 %	-194.850 %	4.553 %	1.662 %	-83.081 %	18.897 %
Concentration RSD	223.3 %	15.2 %	5.9 %	19.6 %	34.3 %	2.2 %	23.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0003 ppm	-0.0065 ppm	20.1514 ppm	0.0002 ppm	-0.0094 ppm	0.0183 ppm	0.0001 ppm
Concentration per Run 1	0.0003 ppm	-0.0064 ppm	20.0992 ppm	0.0002 ppm	-0.0075 ppm	0.0221 ppm	-0.0006 ppm
Concentration per Run 2	0.0004 ppm	-0.0061 ppm	20.1469 ppm	0.0000 ppm	-0.0105 ppm	0.0293 ppm	0.0017 ppm
Concentration per Run 3	0.0003 ppm	-0.0069 ppm	20.2082 ppm	0.0004 ppm	-0.0103 ppm	0.0034 ppm	-0.0007 ppm
Recovery Percentage 1	8.440 %	-32.430 %	201,514.394 %	1.983 %	-18.898 %	0.731 %	1.387 %
Concentration RSD	8.6 %	6.1 %	0.3 %	114.7 %	18.0 %	73.0 %	1,005.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0408 ppm	20.7260 [SIC 25]	0.0054 ppm	0.0155 ppm	0.0003 ppm	0.0029 ppm	-0.0211 ppm
Concentration per Run 1	0.0425 ppm	20.6141 ppm	0.0055 ppm	0.0198 ppm	0.0004 ppm	0.0031 ppm	-0.0228 ppm
Concentration per Run 2	0.0393 ppm	20.7823 ppm	0.0053 ppm	0.0161 ppm	0.0003 ppm	0.0027 ppm	-0.0200 ppm
Concentration per Run 3	0.0407 ppm	20.7815 ppm	0.0055 ppm	0.0106 ppm	0.0002 ppm	0.0029 ppm	-0.0205 ppm
Recovery Percentage 1	40.837 %	207,259.768 %	10.887 %	0.775 %	1.195 %	28.838 %	-42.244 %
Concentration RSD	3.9 %	0.5 %	1.8 %	30.0 %	27.2 %	6.0 %	7.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0069 ppm	0.0781 ppm	-0.0002 ppm	0.0002 ppm	19.8744 ppm	-0.0214 ppm	10.2334 [SIC 10]
Concentration per Run 1	-0.0075 ppm	0.0810 ppm	0.0001 ppm	0.0002 ppm	19.8443 ppm	-0.0200 ppm	10.2223 ppm
Concentration per Run 2	-0.0066 ppm	0.0787 ppm	-0.0006 ppm	0.0002 ppm	19.7973 ppm	-0.0193 ppm	10.2327 ppm
Concentration per Run 3	-0.0067 ppm	0.0745 ppm	0.0001 ppm	0.0001 ppm	19.9816 ppm	-0.0249 ppm	10.2451 ppm
Recovery Percentage 1	-69.051 %	15.611 %	-0.327 %	1.760 %	198,743.779 %	-107.020 %	102,333.739 %
Concentration RSD	7.2 %	4.2 %	245.5 %	32.0 %	0.5 %	14.4 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	-0.0022 ppm	100.6314 %	98.9594 %	99.8726 %	100.6241 %	98.9327 %	99.9012 %
Concentration per Run 1	-0.0024 ppm	100.4957 %	98.8119 %	99.9125 %	100.9860 %	98.8428 %	99.9545 %
Concentration per Run 2	-0.0020 ppm	100.2778 %	99.2306 %	100.0253 %	100.2972 %	99.2119 %	100.0335 %
Concentration per Run 3	-0.0021 ppm	101.1206 %	98.8356 %	99.6801 %	100.5890 %	98.7434 %	99.7155 %
Recovery Percentage 1	-43.498 %						
Concentration RSD	10.6 %	0.4 %	0.2 %	0.2 %	0.3 %	0.2 %	0.2 %

ICP DataTrace 5

7/1/2025 7:30:54 PM



LabBook: WG2085564_07012025T5.imexp

Sample: LDR Check
Analysis started at: 7/1/2025 6:52:33 AM
Comments: <Comment>
Rack: 0
Vial: 8

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0012 ppm	0.0404 ppm	5.5001 ppm	5.0385 [SIC 20]	10.3985 [SIC 20]	0.0006 ppm	0.0155 ppm
Concentration per Run 1	0.0012 ppm	0.0428 ppm	5.4997 ppm	5.0400 ppm	10.5457 ppm	0.0006 ppm	0.0132 ppm
Concentration per Run 2	0.0011 ppm	0.0348 ppm	5.5015 ppm	5.0427 ppm	10.3943 ppm	0.0006 ppm	0.0152 ppm
Concentration per Run 3	0.0013 ppm	0.0436 ppm	5.4991 ppm	5.0328 ppm	10.2554 ppm	0.0006 ppm	0.0179 ppm
Recovery Percentage 1	0.000 %	0.000 %	110.002 %	100.770 %	103.985 %	0.000 %	0.000 %
Concentration RSD	8.8 %	12.0 %	0.0 %	0.1 %	1.4 %	5.7 %	15.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0004 ppm	0.0011 ppm	0.0002 ppm	20.3145 [SIC 50]	0.0051 ppm	332.6618 ppm	5.6208 ppm
Concentration per Run 1	-0.0004 ppm	0.0010 ppm	-0.0001 ppm	20.2032 ppm	0.0051 ppm	339.8780 ppm	5.7191 ppm
Concentration per Run 2	-0.0004 ppm	0.0011 ppm	0.0003 ppm	20.4890 ppm	0.0051 ppm	332.4106 ppm	5.6051 ppm
Concentration per Run 3	-0.0004 ppm	0.0012 ppm	0.0003 ppm	20.2513 ppm	0.0051 ppm	325.6969 ppm	5.5383 ppm
Recovery Percentage 1	0.000 %	0.000 %	0.000 %	101.573 %	0.000 %	110.887 %	112.417 %
Concentration RSD	2.3 %	9.6 %	118.5 %	0.8 %	0.4 %	2.1 %	1.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0143 ppm	0.0004 ppm	5.0616 [SIC 20]	480.5117 ppm	10.0446 [SIC 20]	48.8878 ppm	0.0229 ppm
Concentration per Run 1	0.0155 ppm	0.0001 ppm	5.0600 ppm	496.5298 ppm	10.0556 ppm	48.9294 ppm	0.0233 ppm
Concentration per Run 2	0.0129 ppm	0.0006 ppm	5.0674 ppm	483.2225 ppm	10.0450 ppm	48.9149 ppm	0.0228 ppm
Concentration per Run 3	0.0146 ppm	0.0003 ppm	5.0573 ppm	461.7827 ppm	10.0330 ppm	48.8189 ppm	0.0227 ppm
Recovery Percentage 1	0.000 %	0.000 %	101.231 %	96.102 %	100.446 %	97.776 %	0.000 %
Concentration RSD	9.4 %	79.4 %	0.1 %	3.6 %	0.1 %	0.1 %	1.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0013 ppm	22.1666 [SIC 200]	0.0035 ppm	0.0011 ppm	0.0042 ppm	-0.0005 ppm	0.0034 ppm
Concentration per Run 1	-0.0020 ppm	22.1634 ppm	0.0040 ppm	0.0011 ppm	0.0048 ppm	-0.0007 ppm	0.0033 ppm
Concentration per Run 2	-0.0010 ppm	22.1776 ppm	0.0031 ppm	0.0011 ppm	0.0042 ppm	-0.0012 ppm	0.0034 ppm
Concentration per Run 3	-0.0009 ppm	22.1587 ppm	0.0034 ppm	0.0010 ppm	0.0036 ppm	0.0006 ppm	0.0034 ppm
Recovery Percentage 1	0.000 %	110.833 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %
Concentration RSD	48.1 %	0.0 %	12.5 %	3.8 %	14.4 %	201.5 %	2.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	20.5357 [SIC 50]	93.2975 %	86.5302 %	81.8126 %	93.9699 %	86.6575 %	87.4553 %
Concentration per Run 1	20.5674 ppm	92.5733 %	86.4564 %	81.5528 %	92.6539 %	86.4834 %	87.5538 %
Concentration per Run 2	20.5395 ppm	92.5670 %	86.4116 %	82.0441 %	93.3793 %	86.6684 %	87.3954 %
Concentration per Run 3	20.5003 ppm	94.7521 %	86.7226 %	81.8408 %	95.8766 %	86.8207 %	87.4166 %
Recovery Percentage 1	102.679 %						
Concentration RSD	0.2 %	1.4 %	0.2 %	0.3 %	1.8 %	0.2 %	0.1 %

ICP DataTrace 5

7/1/2025 7:30:54 PM



LabBook: WG2085564_07012025T5.imexp

Sample: IEC V 10 TI-
 Analysis started at: 7/1/2025 7:28:58 AM
 Comments: <Comment>
 Rack: 1
 Vial: 1

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0053 ppm	0.0007 ppm	0.0019 ppm	0.0001 ppm	-0.0003 ppm	0.0032 ppm
Concentration per Run 1	0.0002 ppm	0.0043 ppm	-0.0002 ppm	0.0017 ppm	0.0000 ppm	-0.0004 ppm	0.0043 ppm
Concentration per Run 2	-0.0001 ppm	0.0077 ppm	0.0003 ppm	0.0018 ppm	0.0001 ppm	-0.0003 ppm	0.0002 ppm
Concentration per Run 3	0.0001 ppm	0.0038 ppm	0.0019 ppm	0.0021 ppm	0.0001 ppm	-0.0003 ppm	0.0049 ppm
Recovery Percentage 1	0.670 %	5.253 %	13.101 %	6.257 %	0.591 %	-6.458 %	3.157 %
Concentration RSD	323.8 %	40.3 %	169.3 %	9.6 %	62.8 %	18.2 %	80.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0002 ppm	0.0004 ppm	0.0053 ppm	0.0479 ppm	0.0003 ppm
Concentration per Run 1	0.0000 ppm	0.0001 ppm	0.0001 ppm	0.0004 ppm	0.0051 ppm	0.0333 ppm	0.0004 ppm
Concentration per Run 2	-0.0001 ppm	0.0000 ppm	0.0002 ppm	0.0005 ppm	0.0058 ppm	0.0454 ppm	0.0006 ppm
Concentration per Run 3	-0.0001 ppm	-0.0001 ppm	0.0002 ppm	0.0002 ppm	0.0050 ppm	0.0650 ppm	-0.0001 ppm
Recovery Percentage 1	-1.121 %	-0.186 %	1.772 %	3.686 %	10.599 %	1.914 %	3.090 %
Concentration RSD	46.1 %	287.2 %	18.4 %	44.8 %	7.6 %	33.4 %	108.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0027 ppm	0.0010 ppm	0.0050 ppm	0.0250 ppm	0.0003 ppm	-0.0002 ppm	-0.0110 ppm
Concentration per Run 1	0.0031 ppm	0.0010 ppm	0.0050 ppm	0.0170 ppm	0.0003 ppm	-0.0005 ppm	-0.0113 ppm
Concentration per Run 2	0.0035 ppm	0.0009 ppm	0.0051 ppm	0.0284 ppm	0.0002 ppm	-0.0001 ppm	-0.0108 ppm
Concentration per Run 3	0.0016 ppm	0.0010 ppm	0.0050 ppm	0.0298 ppm	0.0002 ppm	-0.0001 ppm	-0.0107 ppm
Recovery Percentage 1	2.746 %	9.868 %	10.072 %	1.252 %	1.023 %	-2.176 %	-21.914 %
Concentration RSD	35.8 %	5.6 %	1.4 %	28.1 %	32.5 %	97.9 %	2.9 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0016 ppm	0.0007 ppm	-0.0006 ppm	0.0000 ppm	0.0002 ppm	0.0006 ppm	10.0810 [SIC 10]
Concentration per Run 1	0.0035 ppm	0.0003 ppm	-0.0002 ppm	0.0000 ppm	0.0003 ppm	0.0005 ppm	10.0586 ppm
Concentration per Run 2	-0.0003 ppm	0.0011 ppm	-0.0006 ppm	0.0001 ppm	0.0003 ppm	0.0009 ppm	10.1558 ppm
Concentration per Run 3	0.0017 ppm	0.0007 ppm	-0.0009 ppm	0.0000 ppm	0.0001 ppm	0.0003 ppm	10.0286 ppm
Recovery Percentage 1	16.374 %	0.144 %	-1.137 %	0.469 %	2.366 %	2.804 %	100.809.698 %
Concentration RSD	117.0 %	53.2 %	59.8 %	183.6 %	66.5 %	51.9 %	0.7 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0002 ppm	103.5923 %	101.4196 %	102.0114 %	101.2082 %	101.8422 %	100.5800 %
Concentration per Run 1	0.0002 ppm	102.9589 %	101.5333 %	101.8915 %	101.0138 %	101.8371 %	100.7075 %
Concentration per Run 2	0.0002 ppm	103.9488 %	101.2682 %	102.1284 %	101.4541 %	101.7392 %	100.3021 %
Concentration per Run 3	0.0003 ppm	103.8693 %	101.4573 %	102.0143 %	101.1567 %	101.9503 %	100.7305 %
Recovery Percentage 1	4.178 %						
Concentration RSD	23.0 %	0.5 %	0.1 %	0.1 %	0.2 %	0.1 %	0.2 %

ICP DataTrace 5

7/1/2025 7:30:54 PM



LabBook: WG2085564_07012025T5.imexp

Sample: LDR 100 K pass
 Analysis started at: 7/1/2025 7:35:30 AM
 Comments: <Comment>
 Rack: 1
 Vial: 2

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0074 ppm	0.0001 ppm	0.0019 ppm	0.0000 ppm	0.0000 ppm	0.0096 ppm
Concentration per Run 1	-0.0002 ppm	0.0071 ppm	-0.0003 ppm	0.0021 ppm	0.0000 ppm	0.0000 ppm	0.0111 ppm
Concentration per Run 2	0.0004 ppm	0.0077 ppm	0.0005 ppm	0.0016 ppm	0.0001 ppm	0.0000 ppm	0.0069 ppm
Concentration per Run 3	-0.0001 ppm	0.0074 ppm	0.0002 ppm	0.0020 ppm	0.0000 ppm	0.0000 ppm	0.0108 ppm
Concentration RSD	622.5 %	4.3 %	269.3 %	13.1 %	101.4 %	53.4 %	23.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0001 ppm	0.0005 ppm	0.0010 ppm	106.1845 ppm	0.0000 ppm
Concentration per Run 1	-0.0001 ppm	0.0001 ppm	0.0002 ppm	0.0004 ppm	0.0010 ppm	106.1104 ppm	0.0001 ppm
Concentration per Run 2	0.0000 ppm	-0.0002 ppm	0.0000 ppm	0.0005 ppm	0.0017 ppm	106.4812 ppm	-0.0005 ppm
Concentration per Run 3	0.0000 ppm	0.0001 ppm	0.0000 ppm	0.0006 ppm	0.0002 ppm	105.9619 ppm	0.0005 ppm
Concentration RSD	36.4 %	910.0 %	149.5 %	15.2 %	80.2 %	0.3 %	1,910.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0013 ppm	0.0000 ppm	-0.0001 ppm	0.0331 ppm	0.0001 ppm	-0.0003 ppm	-0.0009 ppm
Concentration per Run 1	0.0001 ppm	0.0001 ppm	-0.0002 ppm	0.0297 ppm	0.0000 ppm	-0.0002 ppm	-0.0003 ppm
Concentration per Run 2	0.0043 ppm	0.0001 ppm	0.0000 ppm	0.0292 ppm	0.0001 ppm	-0.0003 ppm	-0.0016 ppm
Concentration per Run 3	-0.0005 ppm	0.0000 ppm	0.0001 ppm	0.0404 ppm	0.0002 ppm	-0.0005 ppm	-0.0009 ppm
Concentration RSD	202.9 %	199.2 %	218.0 %	19.1 %	71.8 %	47.0 %	71.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0004 ppm	-0.0002 ppm	-0.0003 ppm	0.0001 ppm	0.0000 ppm	0.0014 ppm	0.0004 ppm
Concentration per Run 1	-0.0001 ppm	0.0004 ppm	-0.0002 ppm	0.0001 ppm	0.0000 ppm	0.0021 ppm	0.0004 ppm
Concentration per Run 2	0.0021 ppm	-0.0002 ppm	-0.0004 ppm	0.0000 ppm	0.0002 ppm	0.0002 ppm	0.0003 ppm
Concentration per Run 3	-0.0006 ppm	-0.0009 ppm	-0.0004 ppm	0.0000 ppm	-0.0002 ppm	0.0018 ppm	0.0003 ppm
Concentration RSD	334.9 %	278.2 %	43.1 %	63.9 %	1,152.0 %	77.3 %	20.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0004 ppm	102.2767 %	96.9738 %	98.2627 %	100.3050 %	96.5056 %	97.6013 %
Concentration per Run 1	0.0004 ppm	102.0412 %	96.7824 %	98.2180 %	100.6813 %	96.3100 %	97.3537 %
Concentration per Run 2	0.0003 ppm	102.5798 %	97.1310 %	98.3117 %	99.9612 %	96.7236 %	97.7077 %
Concentration per Run 3	0.0004 ppm	102.2090 %	97.0081 %	98.2585 %	100.2724 %	96.4831 %	97.7426 %
Concentration RSD	8.0 %	0.3 %	0.2 %	0.0 %	0.4 %	0.2 %	0.2 %

ICP DataTrace 5

7/1/2025 7:30:54 PM



LabBook: WG2085564_07012025T5.imexp

Sample: IEC Cr 20 Sb-
Analysis started at: 7/1/2025 8:08:08 AM
Comments: <Comment>
Rack: 1
Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.0089 ppm	0.0003 ppm	0.0006 ppm	0.0006 ppm	0.0000 ppm	0.0079 ppm
Concentration per Run 1	-0.0001 ppm	0.0114 ppm	0.0009 ppm	0.0005 ppm	0.0006 ppm	0.0000 ppm	0.0080 ppm
Concentration per Run 2	0.0000 ppm	0.0075 ppm	0.0000 ppm	0.0007 ppm	0.0007 ppm	0.0000 ppm	0.0074 ppm
Concentration per Run 3	-0.0003 ppm	0.0077 ppm	0.0000 ppm	0.0007 ppm	0.0007 ppm	0.0000 ppm	0.0082 ppm
Recovery Percentage 1	-2.054 %	8.864 %	5.894 %	2.090 %	6.458 %	0.330 %	7.854 %
Concentration RSD	122.4 %	24.5 %	175.3 %	16.6 %	5.4 %	87.3 %	4.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0004 ppm	0.0003 ppm	19.9946 ppm	0.0005 ppm	0.0056 ppm	0.0283 ppm	0.0011 ppm
Concentration per Run 1	0.0004 ppm	0.0002 ppm	19.9626 ppm	0.0006 ppm	0.0053 ppm	0.0238 ppm	0.0005 ppm
Concentration per Run 2	0.0004 ppm	0.0002 ppm	19.9375 ppm	0.0004 ppm	0.0056 ppm	0.0148 ppm	0.0019 ppm
Concentration per Run 3	0.0004 ppm	0.0004 ppm	20.0838 ppm	0.0005 ppm	0.0060 ppm	0.0463 ppm	0.0010 ppm
Recovery Percentage 1	11.029 %	1.454 %	199,946.281 %	5.010 %	11.208 %	1.131 %	11.286 %
Concentration RSD	2.4 %	42.7 %	0.4 %	17.9 %	6.1 %	57.4 %	60.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0007 ppm	0.0002 ppm	0.0000 ppm	0.0337 ppm	0.0002 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run 1	-0.0002 ppm	0.0001 ppm	-0.0001 ppm	0.0282 ppm	-0.0001 ppm	0.0008 ppm	0.0023 ppm
Concentration per Run 2	0.0006 ppm	0.0001 ppm	0.0002 ppm	0.0398 ppm	0.0002 ppm	0.0000 ppm	-0.0015 ppm
Concentration per Run 3	0.0016 ppm	0.0002 ppm	-0.0002 ppm	0.0332 ppm	0.0004 ppm	-0.0007 ppm	-0.0008 ppm
Recovery Percentage 1	0.681 %	1.562 %	-0.053 %	1.687 %	0.672 %	0.194 %	-0.010 %
Concentration RSD	132.4 %	44.8 %	707.7 %	17.2 %	136.2 %	3,750.2 %	38,750.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0074 ppm	0.0042 ppm	-0.0007 ppm	0.0010 ppm	0.0000 ppm	0.0000 ppm	-0.0012 ppm
Concentration per Run 1	0.0072 ppm	0.0039 ppm	-0.0009 ppm	0.0010 ppm	0.0001 ppm	0.0004 ppm	-0.0014 ppm
Concentration per Run 2	0.0081 ppm	0.0043 ppm	-0.0008 ppm	0.0010 ppm	-0.0002 ppm	-0.0020 ppm	-0.0012 ppm
Concentration per Run 3	0.0070 ppm	0.0044 ppm	-0.0004 ppm	0.0010 ppm	0.0001 ppm	0.0015 ppm	-0.0009 ppm
Recovery Percentage 1	74.421 %	0.841 %	-1.408 %	9.957 %	0.192 %	-0.186 %	-11.543 %
Concentration RSD	7.7 %	5.7 %	39.9 %	0.6 %	928.4 %	4,846.2 %	19.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	-0.0021 ppm	108.2165 %	101.3808 %	101.7495 %	104.7535 %	100.6106 %	100.4111 %
Concentration per Run 1	-0.0023 ppm	111.6049 %	101.3450 %	101.8066 %	108.8063 %	100.4905 %	100.0771 %
Concentration per Run 2	-0.0021 ppm	107.3742 %	101.6649 %	101.5356 %	103.2199 %	100.4335 %	100.6960 %
Concentration per Run 3	-0.0018 ppm	105.6705 %	101.1325 %	101.9064 %	102.2342 %	100.9077 %	100.4602 %
Recovery Percentage 1	-41.238 %						
Concentration RSD	10.9 %	2.8 %	0.3 %	0.2 %	3.4 %	0.3 %	0.3 %

ICP DataTrace 5

7/1/2025 7:30:54 PM



LabBook: WG2085564_07012025T5.imexp

Sample: CCV
 Analysis started at: 7/1/2025 8:28:34 AM
 Comments: <Comment>
 Rack: 0
 Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.5192 ppm	0.5073 ppm	0.4879 ppm	0.4930 ppm	0.5114 ppm	0.5349 ppm	0.5230 ppm
Concentration per Run 1	0.5156 ppm	0.5131 ppm	0.4899 ppm	0.4940 ppm	0.5155 ppm	0.5392 ppm	0.5290 ppm
Concentration per Run 2	0.5199 ppm	0.5045 ppm	0.4852 ppm	0.4911 ppm	0.5112 ppm	0.5347 ppm	0.5239 ppm
Concentration per Run 3	0.5220 ppm	0.5042 ppm	0.4885 ppm	0.4938 ppm	0.5075 ppm	0.5308 ppm	0.5160 ppm
Recovery Percentage 1	103.830 %	101.461 %	97.576 %	98.596 %	102.274 %	106.978 %	104.595 %
Concentration RSD	0.6 %	1.0 %	0.5 %	0.3 %	0.8 %	0.8 %	1.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4872 ppm	0.4959 ppm	0.5015 ppm	0.5062 ppm	0.4912 ppm	5.3835 ppm	0.5221 ppm
Concentration per Run 1	0.4884 ppm	0.4974 ppm	0.5000 ppm	0.5052 ppm	0.4936 ppm	5.4267 ppm	0.5268 ppm
Concentration per Run 2	0.4862 ppm	0.4952 ppm	0.5025 ppm	0.5055 ppm	0.4900 ppm	5.3615 ppm	0.5212 ppm
Concentration per Run 3	0.4870 ppm	0.4952 ppm	0.5019 ppm	0.5078 ppm	0.4899 ppm	5.3623 ppm	0.5183 ppm
Recovery Percentage 1	97.441 %	99.185 %	100.293 %	101.232 %	98.233 %	107.670 %	104.421 %
Concentration RSD	0.2 %	0.3 %	0.3 %	0.3 %	0.4 %	0.7 %	0.8 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5307 ppm	0.5286 ppm	0.5074 ppm	10.7202 ppm	0.5152 ppm	0.5186 ppm	0.5067 ppm
Concentration per Run 1	0.5266 ppm	0.5322 ppm	0.5082 ppm	10.8245 ppm	0.5165 ppm	0.5196 ppm	0.5090 ppm
Concentration per Run 2	0.5344 ppm	0.5283 ppm	0.5060 ppm	10.7008 ppm	0.5143 ppm	0.5178 ppm	0.5046 ppm
Concentration per Run 3	0.5312 ppm	0.5253 ppm	0.5080 ppm	10.6354 ppm	0.5147 ppm	0.5183 ppm	0.5063 ppm
Recovery Percentage 1	106.144 %	105.725 %	101.477 %	107.202 %	103.030 %	103.710 %	101.333 %
Concentration RSD	0.7 %	0.7 %	0.2 %	0.9 %	0.2 %	0.2 %	0.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.5098 ppm	5.5883 ppm	0.5222 ppm	0.5071 ppm	0.5140 ppm	0.5453 ppm	0.5138 ppm
Concentration per Run 1	0.5110 ppm	5.6121 ppm	0.5234 ppm	0.5114 ppm	0.5126 ppm	0.5461 ppm	0.5125 ppm
Concentration per Run 2	0.5099 ppm	5.5777 ppm	0.5202 ppm	0.5069 ppm	0.5147 ppm	0.5456 ppm	0.5153 ppm
Concentration per Run 3	0.5086 ppm	5.5753 ppm	0.5230 ppm	0.5030 ppm	0.5148 ppm	0.5442 ppm	0.5136 ppm
Recovery Percentage 1	101.968 %	106.445 %	104.437 %	101.420 %	102.803 %	109.064 %	102.761 %
Concentration RSD	0.2 %	0.4 %	0.3 %	0.8 %	0.2 %	0.2 %	0.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4992 ppm	101.7901 %	99.4650 %	100.4250 %	98.4145 %	97.1289 %	98.2298 %
Concentration per Run 1	0.4999 ppm	101.2128 %	99.5623 %	100.5451 %	98.1925 %	96.9075 %	98.4936 %
Concentration per Run 2	0.4984 ppm	101.9706 %	99.3005 %	100.3445 %	98.4039 %	97.2797 %	97.9653 %
Concentration per Run 3	0.4992 ppm	102.1870 %	99.5322 %	100.3855 %	98.6471 %	97.1996 %	98.2304 %
Recovery Percentage 1	99.838 %						
Concentration RSD	0.1 %	0.5 %	0.1 %	0.1 %	0.2 %	0.2 %	0.3 %

ICP DataTrace 5

7/1/2025 7:30:54 PM



LabBook: WG2085564_07012025T5.imexp

Sample: CCB
Analysis started at: 7/1/2025 8:34:39 AM
Comments: <Comment>
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0047 ppm	0.0015 ppm	0.0014 ppm	0.0000 ppm	0.0000 ppm	0.0190 ppm
Concentration per Run 1	0.0002 ppm	0.0024 ppm	0.0019 ppm	0.0013 ppm	0.0000 ppm	0.0000 ppm	0.0184 ppm
Concentration per Run 2	0.0003 ppm	0.0090 ppm	0.0020 ppm	0.0013 ppm	-0.0001 ppm	0.0000 ppm	0.0184 ppm
Concentration per Run 3	-0.0002 ppm	0.0026 ppm	0.0007 ppm	0.0016 ppm	0.0001 ppm	0.0000 ppm	0.0203 ppm
Recovery Percentage 1	1.303 %	4.668 %	30.737 %	4.690 %	0.198 %	0.134 %	19.033 %
Concentration RSD	279.4 %	80.4 %	48.1 %	14.5 %	564.1 %	234.4 %	5.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0001 ppm	-0.0002 ppm	0.0005 ppm	-0.0005 ppm	0.0205 ppm	0.0005 ppm
Concentration per Run 1	0.0000 ppm	-0.0001 ppm	-0.0003 ppm	0.0004 ppm	-0.0006 ppm	0.0288 ppm	0.0005 ppm
Concentration per Run 2	0.0000 ppm	-0.0001 ppm	-0.0002 ppm	0.0005 ppm	0.0003 ppm	0.0253 ppm	0.0013 ppm
Concentration per Run 3	0.0000 ppm	-0.0001 ppm	-0.0001 ppm	0.0005 ppm	-0.0011 ppm	0.0076 ppm	-0.0004 ppm
Recovery Percentage 1	-0.010 %	-0.391 %	-1.876 %	4.577 %	-0.958 %	0.821 %	4.777 %
Concentration RSD	4,527.0 %	31.9 %	38.1 %	8.2 %	144.2 %	55.3 %	180.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0011 ppm	0.0000 ppm	0.0011 ppm	0.0108 ppm	-0.0001 ppm	0.0001 ppm	-0.0001 ppm
Concentration per Run 1	0.0007 ppm	0.0000 ppm	0.0012 ppm	0.0073 ppm	-0.0003 ppm	-0.0005 ppm	0.0002 ppm
Concentration per Run 2	0.0022 ppm	0.0001 ppm	0.0009 ppm	0.0088 ppm	0.0000 ppm	0.0004 ppm	0.0004 ppm
Concentration per Run 3	0.0005 ppm	-0.0001 ppm	0.0011 ppm	0.0162 ppm	0.0001 ppm	0.0005 ppm	-0.0007 ppm
Recovery Percentage 1	1.122 %	0.096 %	2.132 %	0.538 %	-0.287 %	1.236 %	-0.101 %
Concentration RSD	82.4 %	1,138.8 %	12.9 %	44.3 %	228.2 %	435.5 %	1,161.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0019 ppm	0.0000 ppm	0.0004 ppm	0.0001 ppm	0.0004 ppm	0.0001 ppm	0.0000 ppm
Concentration per Run 1	0.0025 ppm	0.0004 ppm	0.0006 ppm	0.0001 ppm	0.0003 ppm	-0.0013 ppm	0.0001 ppm
Concentration per Run 2	0.0027 ppm	-0.0001 ppm	0.0006 ppm	0.0001 ppm	0.0003 ppm	0.0004 ppm	0.0000 ppm
Concentration per Run 3	0.0004 ppm	-0.0004 ppm	0.0000 ppm	0.0002 ppm	0.0005 ppm	0.0011 ppm	0.0001 ppm
Recovery Percentage 1	18.528 %	-0.007 %	0.782 %	1.338 %	3.672 %	0.438 %	0.306 %
Concentration RSD	70.4 %	1,170.7 %	87.8 %	29.4 %	26.2 %	1,410.7 %	226.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0005 ppm	103.5014 %	100.7765 %	101.3042 %	97.9986 %	98.8743 %	98.2384 %
Concentration per Run 1	0.0005 ppm	102.8037 %	100.9292 %	101.2584 %	97.8419 %	98.9032 %	98.1131 %
Concentration per Run 2	0.0006 ppm	103.0351 %	100.5580 %	101.2275 %	97.5991 %	98.7070 %	98.1208 %
Concentration per Run 3	0.0004 ppm	104.6655 %	100.8421 %	101.4267 %	98.5547 %	99.0129 %	98.4812 %
Recovery Percentage 1	10.354 %						
Concentration RSD	19.9 %	1.0 %	0.2 %	0.1 %	0.5 %	0.2 %	0.2 %

ICP DataTrace 5

7/1/2025 7:30:54 PM



LabBook: WG2085564_07012025T5.imexp

Sample: L2536104-02 WG2082423
 Analysis started at: 7/1/2025 8:53:26 AM
 Comments: <Comment>
 Rack: 1
 Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0108 ppm	2.8944 ppm	0.0284 ppm	0.5440 ppm	0.6095 ppm	0.0094 ppm	154.5363 ppm
Concentration per Run 1	0.0106 ppm	2.9027 ppm	0.0286 ppm	0.5445 ppm	0.6121 ppm	0.0094 ppm	155.4345 ppm
Concentration per Run 2	0.0112 ppm	2.9245 ppm	0.0280 ppm	0.5435 ppm	0.6154 ppm	0.0095 ppm	155.9976 ppm
Concentration per Run 3	0.0106 ppm	2.8560 ppm	0.0285 ppm	0.5439 ppm	0.6010 ppm	0.0093 ppm	152.1770 ppm
Concentration RSD	3.2 %	1.2 %	1.1 %	0.1 %	1.2 %	1.2 %	1.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0105 ppm	0.0953 ppm	0.0618 ppm	0.6932 ppm	41.2152 ppm	22.7817 ppm	0.0549 ppm
Concentration per Run 1	0.0105 ppm	0.0952 ppm	0.0619 ppm	0.6950 ppm	41.4384 ppm	22.8200 ppm	0.0546 ppm
Concentration per Run 2	0.0105 ppm	0.0955 ppm	0.0616 ppm	0.6916 ppm	41.6454 ppm	23.0481 ppm	0.0558 ppm
Concentration per Run 3	0.0105 ppm	0.0953 ppm	0.0619 ppm	0.6930 ppm	40.5618 ppm	22.4769 ppm	0.0542 ppm
Concentration RSD	0.4 %	0.2 %	0.3 %	0.2 %	1.4 %	1.3 %	1.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	30.9611 ppm	0.3094 ppm	0.1786 ppm	255.5396 ppm	0.1272 ppm	0.2752 ppm	0.0620 ppm
Concentration per Run 1	31.0456 ppm	0.3098 ppm	0.1777 ppm	257.5508 ppm	0.1273 ppm	0.2765 ppm	0.0614 ppm
Concentration per Run 2	30.9652 ppm	0.3122 ppm	0.1789 ppm	258.6482 ppm	0.1270 ppm	0.2742 ppm	0.0616 ppm
Concentration per Run 3	30.8724 ppm	0.3062 ppm	0.1792 ppm	250.4197 ppm	0.1275 ppm	0.2748 ppm	0.0632 ppm
Concentration RSD	0.3 %	1.0 %	0.4 %	1.7 %	0.2 %	0.4 %	1.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0250 ppm	5.8815 ppm	0.1678 ppm	1.3977 ppm	0.2001 ppm	0.0193 ppm	0.0982 ppm
Concentration per Run 1	0.0224 ppm	5.8826 ppm	0.1687 ppm	1.3977 ppm	0.2025 ppm	0.0195 ppm	0.0984 ppm
Concentration per Run 2	0.0273 ppm	5.8966 ppm	0.1672 ppm	1.4143 ppm	0.1989 ppm	0.0206 ppm	0.0979 ppm
Concentration per Run 3	0.0252 ppm	5.8654 ppm	0.1675 ppm	1.3801 ppm	0.1988 ppm	0.0178 ppm	0.0981 ppm
Concentration RSD	9.9 %	0.3 %	0.5 %	1.2 %	1.1 %	7.3 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	2.0437 ppm	105.0758 %	92.8735 %	92.9986 %	100.8622 %	83.7127 %	91.1724 %
Concentration per Run 1	2.0442 ppm	104.5992 %	92.4887 %	93.1478 %	100.6142 %	83.7091 %	90.8364 %
Concentration per Run 2	2.0448 ppm	103.9055 %	93.1451 %	92.8004 %	99.7415 %	83.6612 %	91.3378 %
Concentration per Run 3	2.0422 ppm	106.7227 %	92.9866 %	93.0477 %	102.2307 %	83.7677 %	91.3431 %
Concentration RSD	0.1 %	1.4 %	0.4 %	0.2 %	1.3 %	0.1 %	0.3 %

ICP DataTrace 5

7/1/2025 7:30:54 PM



LabBook: WG2085564_07012025T5.imexp

Sample: WG2082423-7 WG2082423
 Analysis started at: 7/1/2025 8:59:42 AM
 Comments: <Comment>
 Rack: 1
 Vial: 5

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0537 ppm	4.4267 ppm	0.1437 ppm	1.4199 ppm	2.1844 ppm	0.0502 ppm	159.3162 ppm
Concentration per Run 1	0.0533 ppm	4.4009 ppm	0.1436 ppm	1.4252 ppm	2.1495 ppm	0.0499 ppm	158.2040 ppm
Concentration per Run 2	0.0540 ppm	4.4448 ppm	0.1442 ppm	1.4203 ppm	2.2025 ppm	0.0504 ppm	160.1165 ppm
Concentration per Run 3	0.0538 ppm	4.4344 ppm	0.1432 ppm	1.4143 ppm	2.2012 ppm	0.0504 ppm	159.6282 ppm
Concentration RSD	0.8 %	0.5 %	0.3 %	0.4 %	1.4 %	0.6 %	0.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0472 ppm	0.4721 ppm	0.2093 ppm	0.9040 ppm	40.7275 ppm	32.0992 ppm	0.0560 ppm
Concentration per Run 1	0.0473 ppm	0.4732 ppm	0.2092 ppm	0.9047 ppm	40.5379 ppm	31.8150 ppm	0.0559 ppm
Concentration per Run 2	0.0471 ppm	0.4725 ppm	0.2095 ppm	0.9020 ppm	41.0252 ppm	32.1963 ppm	0.0552 ppm
Concentration per Run 3	0.0470 ppm	0.4706 ppm	0.2091 ppm	0.9053 ppm	40.6195 ppm	32.2862 ppm	0.0569 ppm
Concentration RSD	0.3 %	0.3 %	0.1 %	0.2 %	0.6 %	0.8 %	1.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	38.4305 ppm	0.6878 ppm	0.9793 ppm	251.9920 ppm	0.5135 ppm	0.6996 ppm	0.4192 ppm
Concentration per Run 1	38.2879 ppm	0.6814 ppm	0.9796 ppm	250.1507 ppm	0.5148 ppm	0.7017 ppm	0.4218 ppm
Concentration per Run 2	38.6344 ppm	0.6902 ppm	0.9802 ppm	254.0471 ppm	0.5136 ppm	0.6989 ppm	0.4172 ppm
Concentration per Run 3	38.3693 ppm	0.6917 ppm	0.9781 ppm	251.7782 ppm	0.5122 ppm	0.6984 ppm	0.4187 ppm
Concentration RSD	0.5 %	0.8 %	0.1 %	0.8 %	0.3 %	0.3 %	0.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0472 ppm	6.9130 ppm	0.1829 ppm	2.2169 ppm	0.7523 ppm	0.1203 ppm	0.4919 ppm
Concentration per Run 1	0.0476 ppm	6.9362 ppm	0.1838 ppm	2.1893 ppm	0.7512 ppm	0.1195 ppm	0.4909 ppm
Concentration per Run 2	0.0470 ppm	6.9214 ppm	0.1828 ppm	2.2591 ppm	0.7543 ppm	0.1206 ppm	0.4928 ppm
Concentration per Run 3	0.0469 ppm	6.8814 ppm	0.1822 ppm	2.2023 ppm	0.7516 ppm	0.1207 ppm	0.4920 ppm
Concentration RSD	0.8 %	0.4 %	0.4 %	1.7 %	0.2 %	0.5 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	2.3599 ppm	103.7906 %	92.3173 %	91.8425 %	99.1918 %	83.8920 %	90.7276 %
Concentration per Run 1	2.3633 ppm	104.1374 %	92.3487 %	91.8158 %	99.9239 %	83.6065 %	90.8725 %
Concentration per Run 2	2.3589 ppm	102.9636 %	92.3154 %	91.7380 %	98.7549 %	83.8477 %	90.5586 %
Concentration per Run 3	2.3576 ppm	104.2709 %	92.2877 %	91.9737 %	98.8967 %	84.2218 %	90.7518 %
Concentration RSD	0.1 %	0.7 %	0.0 %	0.1 %	0.6 %	0.4 %	0.2 %

ICP DataTrace 5

7/1/2025 7:30:54 PM



LabBook: WG2085564_07012025T5.imexp

Sample: WG2082423-8 WG2082423
 Analysis started at: 7/1/2025 9:06:10 AM
 Comments: <Comment>
 Rack: 1
 Vial: 6

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0013 ppm	2.4814 ppm	0.0068 ppm	0.3641 ppm	0.2433 ppm	0.0001 ppm	152.6176 ppm
Concentration per Run 1	0.0012 ppm	2.5044 ppm	0.0086 ppm	0.3647 ppm	0.2465 ppm	0.0001 ppm	154.5693 ppm
Concentration per Run 2	0.0015 ppm	2.4820 ppm	0.0067 ppm	0.3638 ppm	0.2423 ppm	0.0001 ppm	152.0611 ppm
Concentration per Run 3	0.0012 ppm	2.4580 ppm	0.0051 ppm	0.3638 ppm	0.2409 ppm	0.0001 ppm	151.2224 ppm
Concentration RSD	14.8 %	0.9 %	25.8 %	0.1 %	1.2 %	40.4 %	1.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0022 ppm	0.0075 ppm	0.0280 ppm	0.5712 ppm	41.1243 ppm	20.9473 ppm	0.0559 ppm
Concentration per Run 1	0.0022 ppm	0.0074 ppm	0.0282 ppm	0.5713 ppm	41.4989 ppm	21.1883 ppm	0.0572 ppm
Concentration per Run 2	0.0022 ppm	0.0076 ppm	0.0278 ppm	0.5721 ppm	41.0992 ppm	20.8364 ppm	0.0553 ppm
Concentration per Run 3	0.0022 ppm	0.0075 ppm	0.0280 ppm	0.5702 ppm	40.7749 ppm	20.8172 ppm	0.0552 ppm
Concentration RSD	1.3 %	1.3 %	0.7 %	0.2 %	0.9 %	1.0 %	2.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	28.5167 ppm	0.2193 ppm	0.0230 ppm	244.5410 ppm	0.0380 ppm	0.1638 ppm	0.0005 ppm
Concentration per Run 1	28.5177 ppm	0.2223 ppm	0.0235 ppm	249.2106 ppm	0.0383 ppm	0.1648 ppm	0.0012 ppm
Concentration per Run 2	28.4474 ppm	0.2182 ppm	0.0231 ppm	241.8372 ppm	0.0377 ppm	0.1634 ppm	-0.0007 ppm
Concentration per Run 3	28.5851 ppm	0.2175 ppm	0.0224 ppm	242.5750 ppm	0.0379 ppm	0.1633 ppm	0.0011 ppm
Concentration RSD	0.2 %	1.2 %	2.3 %	1.7 %	0.8 %	0.5 %	201.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0036 ppm	5.5027 ppm	0.0054 ppm	1.2365 ppm	0.0263 ppm	0.0003 ppm	0.0068 ppm
Concentration per Run 1	0.0054 ppm	5.5133 ppm	0.0048 ppm	1.2537 ppm	0.0266 ppm	0.0002 ppm	0.0068 ppm
Concentration per Run 2	0.0012 ppm	5.4998 ppm	0.0057 ppm	1.2291 ppm	0.0262 ppm	0.0012 ppm	0.0071 ppm
Concentration per Run 3	0.0041 ppm	5.4950 ppm	0.0058 ppm	1.2266 ppm	0.0262 ppm	-0.0003 ppm	0.0066 ppm
Concentration RSD	61.3 %	0.2 %	10.4 %	1.2 %	0.9 %	218.9 %	3.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	1.9073 ppm	102.7226 %	92.6714 %	92.0214 %	98.8414 %	83.6956 %	91.3761 %
Concentration per Run 1	1.9064 ppm	102.0369 %	92.7042 %	92.2475 %	97.8747 %	83.6572 %	91.2686 %
Concentration per Run 2	1.9057 ppm	102.7859 %	92.5469 %	92.0550 %	99.2382 %	83.8131 %	91.2545 %
Concentration per Run 3	1.9097 ppm	103.3448 %	92.7631 %	91.7618 %	99.4113 %	83.6165 %	91.6052 %
Concentration RSD	0.1 %	0.6 %	0.1 %	0.3 %	0.9 %	0.1 %	0.2 %

ICP DataTrace 5

7/1/2025 7:30:54 PM



LabBook: WG2085564_07012025T5.imexp

Sample: WG2082423-9 WG2082423
 Analysis started at: 7/1/2025 9:12:32 AM
 Comments: <Comment>
 Rack: 1
 Vial: 7

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0549 ppm	4.6257 ppm	0.1349 ppm	1.3586 ppm	2.3600 ppm	0.0545 ppm	157.2865 ppm
Concentration per Run 1	0.0547 ppm	4.6393 ppm	0.1351 ppm	1.3589 ppm	2.4016 ppm	0.0547 ppm	157.8960 ppm
Concentration per Run 2	0.0552 ppm	4.6204 ppm	0.1349 ppm	1.3586 ppm	2.3343 ppm	0.0544 ppm	156.9275 ppm
Concentration per Run 3	0.0548 ppm	4.6174 ppm	0.1348 ppm	1.3582 ppm	2.3442 ppm	0.0543 ppm	157.0359 ppm
Concentration RSD	0.4 %	0.3 %	0.1 %	0.0 %	1.5 %	0.4 %	0.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0508 ppm	0.5176 ppm	0.2273 ppm	0.8326 ppm	41.1295 ppm	30.9668 ppm	0.0546 ppm
Concentration per Run 1	0.0507 ppm	0.5181 ppm	0.2283 ppm	0.8332 ppm	41.3048 ppm	31.0981 ppm	0.0554 ppm
Concentration per Run 2	0.0507 ppm	0.5172 ppm	0.2269 ppm	0.8327 ppm	41.0442 ppm	30.8834 ppm	0.0548 ppm
Concentration per Run 3	0.0508 ppm	0.5175 ppm	0.2268 ppm	0.8319 ppm	41.0395 ppm	30.9189 ppm	0.0536 ppm
Concentration RSD	0.1 %	0.1 %	0.4 %	0.1 %	0.4 %	0.4 %	1.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	37.5073 ppm	0.7279 ppm	0.9599 ppm	243.6609 ppm	0.5559 ppm	0.6581 ppm	0.4019 ppm
Concentration per Run 1	37.6239 ppm	0.7315 ppm	0.9582 ppm	246.8634 ppm	0.5568 ppm	0.6592 ppm	0.3897 ppm
Concentration per Run 2	37.4959 ppm	0.7243 ppm	0.9589 ppm	241.2933 ppm	0.5545 ppm	0.6573 ppm	0.4024 ppm
Concentration per Run 3	37.4023 ppm	0.7279 ppm	0.9625 ppm	242.8259 ppm	0.5562 ppm	0.6578 ppm	0.4135 ppm
Concentration RSD	0.3 %	0.5 %	0.2 %	1.2 %	0.2 %	0.2 %	3.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1287 ppm	6.4285 ppm	0.9549 ppm	2.1554 ppm	1.0144 ppm	0.1103 ppm	0.5369 ppm
Concentration per Run 1	0.1259 ppm	6.4358 ppm	0.9560 ppm	2.1458 ppm	1.0162 ppm	0.1114 ppm	0.5375 ppm
Concentration per Run 2	0.1314 ppm	6.4162 ppm	0.9513 ppm	2.1571 ppm	1.0145 ppm	0.1094 ppm	0.5370 ppm
Concentration per Run 3	0.1286 ppm	6.4335 ppm	0.9574 ppm	2.1632 ppm	1.0125 ppm	0.1102 ppm	0.5363 ppm
Concentration RSD	2.1 %	0.2 %	0.3 %	0.4 %	0.2 %	0.9 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	2.3664 ppm	103.3489 %	92.3380 %	91.6578 %	99.7095 %	84.3806 %	91.1930 %
Concentration per Run 1	2.3707 ppm	103.1002 %	92.0120 %	91.6681 %	99.5095 %	84.3419 %	90.8258 %
Concentration per Run 2	2.3611 ppm	103.7562 %	92.5630 %	91.6669 %	100.1550 %	84.4330 %	91.4476 %
Concentration per Run 3	2.3674 ppm	103.1903 %	92.4390 %	91.6385 %	99.4638 %	84.3669 %	91.3057 %
Concentration RSD	0.2 %	0.3 %	0.3 %	0.0 %	0.4 %	0.1 %	0.4 %

ICP DataTrace 5

7/1/2025 7:30:54 PM



LabBook: WG2085564_07012025T5.imexp

Sample: WG2082423-10d5 WG2082423
 Analysis started at: 7/1/2025 9:19:03 AM
 Comments: <Comment>
 Rack: 1
 Vial: 8

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0011 ppm	0.5194 ppm	0.0036 ppm	0.0895 ppm	0.0834 ppm	0.0009 ppm	29.9727 ppm
Concentration per Run 1	0.0011 ppm	0.5071 ppm	0.0048 ppm	0.0897 ppm	0.0817 ppm	0.0009 ppm	29.3361 ppm
Concentration per Run 2	0.0010 ppm	0.5222 ppm	0.0031 ppm	0.0893 ppm	0.0842 ppm	0.0009 ppm	30.2777 ppm
Concentration per Run 3	0.0011 ppm	0.5289 ppm	0.0029 ppm	0.0895 ppm	0.0844 ppm	0.0010 ppm	30.3043 ppm
Concentration RSD	2.1 %	2.2 %	29.5 %	0.2 %	1.8 %	6.3 %	1.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0013 ppm	0.0101 ppm	0.0090 ppm	0.1247 ppm	8.2322 ppm	4.1559 ppm	0.0110 ppm
Concentration per Run 1	0.0013 ppm	0.0101 ppm	0.0089 ppm	0.1248 ppm	8.0548 ppm	4.0513 ppm	0.0118 ppm
Concentration per Run 2	0.0013 ppm	0.0101 ppm	0.0093 ppm	0.1248 ppm	8.3296 ppm	4.1979 ppm	0.0095 ppm
Concentration per Run 3	0.0012 ppm	0.0101 ppm	0.0089 ppm	0.1244 ppm	8.3121 ppm	4.2184 ppm	0.0118 ppm
Concentration RSD	1.6 %	0.0 %	2.1 %	0.2 %	1.9 %	2.2 %	11.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	6.0930 ppm	0.0527 ppm	0.0243 ppm	48.2812 ppm	0.0162 ppm	0.0434 ppm	0.0288 ppm
Concentration per Run 1	6.0936 ppm	0.0518 ppm	0.0251 ppm	47.1634 ppm	0.0161 ppm	0.0437 ppm	0.0311 ppm
Concentration per Run 2	6.0733 ppm	0.0530 ppm	0.0240 ppm	48.6949 ppm	0.0162 ppm	0.0434 ppm	0.0296 ppm
Concentration per Run 3	6.1122 ppm	0.0533 ppm	0.0239 ppm	48.9852 ppm	0.0164 ppm	0.0432 ppm	0.0259 ppm
Concentration RSD	0.3 %	1.6 %	2.7 %	2.0 %	0.9 %	0.7 %	9.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0041 ppm	1.0349 ppm	0.0197 ppm	0.2561 ppm	0.0231 ppm	0.0022 ppm	0.0107 ppm
Concentration per Run 1	0.0026 ppm	1.0342 ppm	0.0204 ppm	0.2498 ppm	0.0228 ppm	0.0024 ppm	0.0110 ppm
Concentration per Run 2	0.0051 ppm	1.0346 ppm	0.0196 ppm	0.2582 ppm	0.0237 ppm	0.0026 ppm	0.0107 ppm
Concentration per Run 3	0.0047 ppm	1.0359 ppm	0.0190 ppm	0.2604 ppm	0.0227 ppm	0.0015 ppm	0.0105 ppm
Concentration RSD	32.9 %	0.1 %	3.4 %	2.2 %	2.4 %	25.3 %	2.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.3879 ppm	106.2868 %	96.8043 %	96.5401 %	102.9744 %	94.0506 %	96.4466 %
Concentration per Run 1	0.3853 ppm	108.4489 %	96.9231 %	96.5389 %	105.1188 %	94.2964 %	96.6105 %
Concentration per Run 2	0.3893 ppm	105.0865 %	96.9374 %	96.6340 %	102.0900 %	93.8489 %	96.4855 %
Concentration per Run 3	0.3890 ppm	105.3251 %	96.5525 %	96.4473 %	101.7144 %	94.0065 %	96.2438 %
Concentration RSD	0.6 %	1.8 %	0.2 %	0.1 %	1.8 %	0.2 %	0.2 %

ICP DataTrace 5

7/1/2025 7:30:54 PM



LabBook: WG2085564_07012025T5.imexp

Sample: CCV
 Analysis started at: 7/1/2025 9:25:22 AM
 Comments: <Comment>
 Rack: 0
 Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.5256 ppm	0.4970 ppm	0.4802 ppm	0.4936 ppm	0.5045 ppm	0.5189 ppm	0.5262 ppm
Concentration per Run 1	0.5264 ppm	0.4909 ppm	0.4809 ppm	0.4930 ppm	0.5015 ppm	0.5145 ppm	0.5249 ppm
Concentration per Run 2	0.5243 ppm	0.5007 ppm	0.4812 ppm	0.4948 ppm	0.5075 ppm	0.5227 ppm	0.5311 ppm
Concentration per Run 3	0.5261 ppm	0.4994 ppm	0.4785 ppm	0.4928 ppm	0.5043 ppm	0.5195 ppm	0.5225 ppm
Recovery Percentage 1	105.121 %	99.401 %	96.034 %	98.711 %	100.891 %	103.783 %	105.237 %
Concentration RSD	0.2 %	1.1 %	0.3 %	0.2 %	0.6 %	0.8 %	0.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4900 ppm	0.5009 ppm	0.5060 ppm	0.5098 ppm	0.5020 ppm	5.4128 ppm	0.5185 ppm
Concentration per Run 1	0.4900 ppm	0.5014 ppm	0.5079 ppm	0.5092 ppm	0.4984 ppm	5.3678 ppm	0.5138 ppm
Concentration per Run 2	0.4915 ppm	0.5018 ppm	0.5044 ppm	0.5104 ppm	0.5033 ppm	5.4487 ppm	0.5231 ppm
Concentration per Run 3	0.4885 ppm	0.4993 ppm	0.5058 ppm	0.5099 ppm	0.5044 ppm	5.4219 ppm	0.5186 ppm
Recovery Percentage 1	98.003 %	100.173 %	101.208 %	101.964 %	100.407 %	108.256 %	103.695 %
Concentration RSD	0.3 %	0.3 %	0.3 %	0.1 %	0.6 %	0.8 %	0.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5272 ppm	0.5214 ppm	0.4954 ppm	10.3761 ppm	0.5065 ppm	0.5079 ppm	0.5200 ppm
Concentration per Run 1	0.5297 ppm	0.5169 ppm	0.4957 ppm	10.3020 ppm	0.5062 ppm	0.5077 ppm	0.5213 ppm
Concentration per Run 2	0.5233 ppm	0.5255 ppm	0.4963 ppm	10.4719 ppm	0.5082 ppm	0.5090 ppm	0.5228 ppm
Concentration per Run 3	0.5285 ppm	0.5218 ppm	0.4942 ppm	10.3543 ppm	0.5051 ppm	0.5071 ppm	0.5159 ppm
Recovery Percentage 1	105.430 %	104.277 %	99.076 %	103.761 %	101.306 %	101.586 %	103.995 %
Concentration RSD	0.7 %	0.8 %	0.2 %	0.8 %	0.3 %	0.2 %	0.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4950 ppm	5.4859 ppm	0.5084 ppm	0.5126 ppm	0.5092 ppm	0.5192 ppm	0.5115 ppm
Concentration per Run 1	0.4924 ppm	5.4857 ppm	0.5073 ppm	0.5081 ppm	0.5097 ppm	0.5207 ppm	0.5118 ppm
Concentration per Run 2	0.4947 ppm	5.4974 ppm	0.5109 ppm	0.5169 ppm	0.5092 ppm	0.5171 ppm	0.5119 ppm
Concentration per Run 3	0.4980 ppm	5.4745 ppm	0.5069 ppm	0.5129 ppm	0.5086 ppm	0.5198 ppm	0.5109 ppm
Recovery Percentage 1	99.008 %	104.493 %	101.676 %	102.527 %	101.833 %	103.846 %	102.309 %
Concentration RSD	0.6 %	0.2 %	0.4 %	0.9 %	0.1 %	0.4 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4967 ppm	102.6066 %	98.1349 %	98.3961 %	99.0144 %	97.6919 %	98.2381 %
Concentration per Run 1	0.4967 ppm	102.7493 %	98.1054 %	98.3294 %	99.5363 %	97.6143 %	98.1983 %
Concentration per Run 2	0.4979 ppm	102.4697 %	98.1978 %	98.5185 %	98.4285 %	97.4436 %	98.3456 %
Concentration per Run 3	0.4954 ppm	102.6008 %	98.1015 %	98.3403 %	99.0785 %	98.0176 %	98.1704 %
Recovery Percentage 1	99.333 %						
Concentration RSD	0.3 %	0.1 %	0.1 %	0.1 %	0.6 %	0.3 %	0.1 %

ICP DataTrace 5

7/1/2025 7:30:54 PM



LabBook: WG2085564_07012025T5.imexp

Sample: CCB
 Analysis started at: 7/1/2025 9:31:29 AM
 Comments: <Comment>
 Rack: 0
 Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	0.0044 ppm	-0.0005 ppm	0.0027 ppm	0.0001 ppm	0.0001 ppm	0.0123 ppm
Concentration per Run 1	0.0003 ppm	0.0058 ppm	0.0016 ppm	0.0029 ppm	0.0002 ppm	0.0000 ppm	0.0123 ppm
Concentration per Run 2	0.0001 ppm	0.0015 ppm	-0.0018 ppm	0.0026 ppm	-0.0001 ppm	0.0001 ppm	0.0122 ppm
Concentration per Run 3	0.0001 ppm	0.0060 ppm	-0.0013 ppm	0.0025 ppm	0.0003 ppm	0.0001 ppm	0.0123 ppm
Recovery Percentage 1	2.457 %	4.437 %	-9.759 %	8.973 %	1.200 %	1.184 %	12.263 %
Concentration RSD	61.0 %	57.8 %	370.9 %	7.0 %	195.6 %	52.5 %	0.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0001 ppm	0.0001 ppm	0.0003 ppm	0.0010 ppm	0.0705 ppm	-0.0001 ppm
Concentration per Run 1	0.0000 ppm	-0.0001 ppm	0.0003 ppm	0.0005 ppm	0.0008 ppm	0.0626 ppm	-0.0001 ppm
Concentration per Run 2	0.0000 ppm	-0.0001 ppm	0.0003 ppm	0.0003 ppm	0.0020 ppm	0.0742 ppm	-0.0004 ppm
Concentration per Run 3	0.0000 ppm	-0.0002 ppm	-0.0002 ppm	0.0000 ppm	0.0003 ppm	0.0748 ppm	0.0004 ppm
Recovery Percentage 1	-0.559 %	-0.698 %	1.388 %	2.573 %	2.081 %	2.820 %	-0.813 %
Concentration RSD	145.5 %	18.7 %	185.0 %	103.3 %	87.4 %	9.8 %	496.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0008 ppm	0.0000 ppm	0.0021 ppm	0.0661 ppm	0.0003 ppm	-0.0004 ppm	0.0013 ppm
Concentration per Run 1	-0.0011 ppm	0.0002 ppm	0.0021 ppm	0.0623 ppm	0.0004 ppm	-0.0007 ppm	0.0018 ppm
Concentration per Run 2	0.0037 ppm	0.0000 ppm	0.0023 ppm	0.0658 ppm	0.0001 ppm	-0.0005 ppm	0.0021 ppm
Concentration per Run 3	-0.0003 ppm	-0.0001 ppm	0.0019 ppm	0.0703 ppm	0.0002 ppm	-0.0001 ppm	-0.0001 ppm
Recovery Percentage 1	0.757 %	0.349 %	4.173 %	3.307 %	1.022 %	-4.342 %	2.548 %
Concentration RSD	337.9 %	383.0 %	10.0 %	6.1 %	54.0 %	78.8 %	94.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0033 ppm	0.0000 ppm	0.0003 ppm	0.0001 ppm	0.0003 ppm	0.0008 ppm	0.0001 ppm
Concentration per Run 1	0.0034 ppm	0.0000 ppm	0.0007 ppm	0.0001 ppm	0.0007 ppm	0.0008 ppm	0.0001 ppm
Concentration per Run 2	0.0016 ppm	-0.0004 ppm	0.0004 ppm	0.0001 ppm	0.0001 ppm	0.0010 ppm	0.0002 ppm
Concentration per Run 3	0.0049 ppm	0.0003 ppm	-0.0003 ppm	0.0001 ppm	0.0002 ppm	0.0006 ppm	-0.0001 ppm
Recovery Percentage 1	33.105 %	-0.006 %	0.546 %	1.007 %	3.393 %	4.086 %	0.896 %
Concentration RSD	49.2 %	1,202.7 %	193.6 %	43.4 %	98.4 %	26.8 %	203.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0003 ppm	101.5745 %	99.7219 %	99.7255 %	97.1286 %	99.0074 %	98.0329 %
Concentration per Run 1	0.0004 ppm	101.3672 %	99.9253 %	99.6804 %	96.9925 %	99.0929 %	98.1300 %
Concentration per Run 2	0.0003 ppm	102.1616 %	99.4655 %	99.7182 %	97.7736 %	98.9309 %	97.8340 %
Concentration per Run 3	0.0003 ppm	101.1948 %	99.7750 %	99.7781 %	96.6198 %	98.9983 %	98.1348 %
Recovery Percentage 1	5.987 %						
Concentration RSD	16.2 %	0.5 %	0.2 %	0.0 %	0.6 %	0.1 %	0.2 %

ICP DataTrace 5

7/1/2025 7:30:54 PM



LabBook: WG2085564_07012025T5.imexp

Sample: WG2085346-1 WG2085346
 Analysis started at: 7/1/2025 10:52:54 AM
 Comments: <Comment>
 Rack: 1
 Vial: 9

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0022 ppm	0.0001 ppm	0.0006 ppm	0.0000 ppm	0.0000 ppm	0.0042 ppm
Concentration per Run 1	-0.0001 ppm	0.0059 ppm	0.0002 ppm	0.0007 ppm	0.0000 ppm	0.0000 ppm	0.0067 ppm
Concentration per Run 2	0.0003 ppm	0.0042 ppm	0.0002 ppm	0.0009 ppm	0.0000 ppm	0.0000 ppm	0.0027 ppm
Concentration per Run 3	0.0001 ppm	-0.0035 ppm	-0.0002 ppm	0.0001 ppm	0.0000 ppm	0.0000 ppm	0.0033 ppm
Concentration RSD	173.8 %	226.6 %	410.7 %	69.6 %	37.2 %	199.1 %	50.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0001 ppm	0.0002 ppm	0.0006 ppm	0.0025 ppm	0.0252 ppm	0.0000 ppm
Concentration per Run 1	0.0000 ppm	-0.0001 ppm	0.0001 ppm	0.0005 ppm	0.0028 ppm	0.0124 ppm	0.0001 ppm
Concentration per Run 2	0.0000 ppm	-0.0002 ppm	0.0002 ppm	0.0006 ppm	0.0012 ppm	0.0286 ppm	-0.0003 ppm
Concentration per Run 3	0.0000 ppm	0.0000 ppm	0.0003 ppm	0.0008 ppm	0.0037 ppm	0.0347 ppm	0.0003 ppm
Concentration RSD	147.6 %	85.5 %	64.2 %	25.2 %	50.2 %	45.8 %	890.8 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0038 ppm	0.0001 ppm	0.0005 ppm	0.0420 ppm	0.0000 ppm	-0.0002 ppm	0.0011 ppm
Concentration per Run 1	0.0014 ppm	0.0002 ppm	0.0008 ppm	0.0405 ppm	0.0001 ppm	-0.0005 ppm	0.0009 ppm
Concentration per Run 2	0.0050 ppm	-0.0002 ppm	0.0004 ppm	0.0328 ppm	0.0000 ppm	0.0000 ppm	0.0005 ppm
Concentration per Run 3	0.0049 ppm	0.0002 ppm	0.0004 ppm	0.0525 ppm	0.0000 ppm	0.0000 ppm	0.0018 ppm
Concentration RSD	55.1 %	273.3 %	48.0 %	23.7 %	253.0 %	170.3 %	59.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0027 ppm	0.0186 ppm	-0.0004 ppm	0.0001 ppm	0.0002 ppm	-0.0003 ppm	0.0000 ppm
Concentration per Run 1	0.0031 ppm	0.0181 ppm	-0.0008 ppm	0.0002 ppm	0.0002 ppm	-0.0008 ppm	0.0000 ppm
Concentration per Run 2	0.0034 ppm	0.0183 ppm	-0.0003 ppm	0.0001 ppm	0.0003 ppm	0.0003 ppm	0.0001 ppm
Concentration per Run 3	0.0016 ppm	0.0195 ppm	0.0000 ppm	0.0001 ppm	0.0000 ppm	-0.0003 ppm	0.0000 ppm
Concentration RSD	34.5 %	3.9 %	106.9 %	43.9 %	95.1 %	218.7 %	67.0 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0002 ppm	105.8633 %	101.6044 %	101.0254 %	101.9014 %	99.3885 %	99.7130 %
Concentration per Run 1	0.0003 ppm	106.7318 %	101.5318 %	101.2792 %	103.1408 %	99.5461 %	99.6229 %
Concentration per Run 2	0.0003 ppm	105.3796 %	101.6630 %	100.9419 %	101.7976 %	99.1879 %	99.8854 %
Concentration per Run 3	0.0002 ppm	105.4784 %	101.6186 %	100.8550 %	100.7657 %	99.4316 %	99.6306 %
Concentration RSD	26.7 %	0.7 %	0.1 %	0.2 %	1.2 %	0.2 %	0.1 %

ICP DataTrace 5

7/1/2025 7:30:54 PM



LabBook: WG2085564_07012025T5.imexp

Sample: WG2085346-2 WG2085346
 Analysis started at: 7/1/2025 10:59:20 AM
 Comments: <Comment>
 Rack: 1
 Vial: 10

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0567 ppm	2.2317 ppm	0.1180 ppm	0.9726 ppm	2.2732 ppm	0.0554 ppm	10.2465 ppm
Concentration per Run 1	0.0566 ppm	2.2572 ppm	0.1183 ppm	0.9688 ppm	2.2641 ppm	0.0561 ppm	10.3517 ppm
Concentration per Run 2	0.0566 ppm	2.2188 ppm	0.1183 ppm	0.9724 ppm	2.2499 ppm	0.0551 ppm	10.2407 ppm
Concentration per Run 3	0.0570 ppm	2.2190 ppm	0.1176 ppm	0.9766 ppm	2.3058 ppm	0.0550 ppm	10.1470 ppm
Concentration RSD	0.4 %	1.0 %	0.3 %	0.4 %	1.3 %	1.1 %	1.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0512 ppm	0.5326 ppm	0.2188 ppm	0.2763 ppm	1.0960 ppm	10.8422 ppm	-0.0001 ppm
Concentration per Run 1	0.0511 ppm	0.5311 ppm	0.2191 ppm	0.2761 ppm	1.1079 ppm	10.9457 ppm	-0.0001 ppm
Concentration per Run 2	0.0512 ppm	0.5327 ppm	0.2181 ppm	0.2757 ppm	1.0919 ppm	10.8230 ppm	-0.0007 ppm
Concentration per Run 3	0.0512 ppm	0.5342 ppm	0.2193 ppm	0.2772 ppm	1.0881 ppm	10.7578 ppm	0.0006 ppm
Concentration RSD	0.1 %	0.3 %	0.3 %	0.3 %	1.0 %	0.9 %	1,074.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	10.2250 ppm	0.5703 ppm	0.9725 ppm	11.1848 ppm	0.5523 ppm	0.5303 ppm	0.4467 ppm
Concentration per Run 1	10.2215 ppm	0.5762 ppm	0.9680 ppm	11.3359 ppm	0.5513 ppm	0.5294 ppm	0.4360 ppm
Concentration per Run 2	10.2127 ppm	0.5689 ppm	0.9708 ppm	11.1150 ppm	0.5514 ppm	0.5295 ppm	0.4485 ppm
Concentration per Run 3	10.2408 ppm	0.5659 ppm	0.9789 ppm	11.1036 ppm	0.5542 ppm	0.5321 ppm	0.4556 ppm
Concentration RSD	0.1 %	0.9 %	0.6 %	1.2 %	0.3 %	0.3 %	2.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1206 ppm	1.0959 ppm	0.9826 ppm	1.0166 ppm	1.0142 ppm	0.1240 ppm	0.5631 ppm
Concentration per Run 1	0.1192 ppm	1.0929 ppm	0.9807 ppm	1.0268 ppm	1.0146 ppm	0.1221 ppm	0.5632 ppm
Concentration per Run 2	0.1213 ppm	1.0956 ppm	0.9798 ppm	1.0121 ppm	1.0132 ppm	0.1246 ppm	0.5627 ppm
Concentration per Run 3	0.1213 ppm	1.0991 ppm	0.9874 ppm	1.0109 ppm	1.0147 ppm	0.1254 ppm	0.5636 ppm
Concentration RSD	1.0 %	0.3 %	0.4 %	0.9 %	0.1 %	1.4 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5407 ppm	101.4701 %	98.5978 %	98.5858 %	98.5195 %	96.7961 %	97.8760 %
Concentration per Run 1	0.5403 ppm	100.4664 %	98.6253 %	98.6523 %	97.6486 %	96.9824 %	97.8678 %
Concentration per Run 2	0.5399 ppm	101.7162 %	98.5955 %	98.3517 %	98.6148 %	96.8621 %	97.9901 %
Concentration per Run 3	0.5420 ppm	102.2277 %	98.5727 %	98.7535 %	99.2950 %	96.5439 %	97.7702 %
Concentration RSD	0.2 %	0.9 %	0.0 %	0.2 %	0.8 %	0.2 %	0.1 %

ICP DataTrace 5

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LabBook: WG2085564_07012025T5.imexp

Sample: L2537651-11 WG2085346
 Analysis started at: 7/1/2025 11:05:47 AM
 Comments: <Comment>
 Rack: 1
 Vial: 21

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0671 ppm	0.0005 ppm	0.0183 ppm	0.0273 ppm	0.0000 ppm	11.0588 ppm
Concentration per Run 1	-0.0001 ppm	0.0682 ppm	0.0013 ppm	0.0180 ppm	0.0268 ppm	0.0000 ppm	10.8646 ppm
Concentration per Run 2	0.0002 ppm	0.0662 ppm	0.0005 ppm	0.0187 ppm	0.0276 ppm	0.0000 ppm	11.1549 ppm
Concentration per Run 3	0.0001 ppm	0.0670 ppm	-0.0002 ppm	0.0181 ppm	0.0276 ppm	0.0000 ppm	11.1570 ppm
Concentration RSD	225.4 %	1.4 %	146.0 %	2.2 %	1.7 %	61.6 %	1.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0002 ppm	0.0003 ppm	0.0015 ppm	0.7121 ppm	1.8799 ppm	0.0007 ppm
Concentration per Run 1	-0.0001 ppm	0.0003 ppm	0.0003 ppm	0.0016 ppm	0.6955 ppm	1.8412 ppm	0.0006 ppm
Concentration per Run 2	-0.0001 ppm	0.0002 ppm	0.0004 ppm	0.0014 ppm	0.7192 ppm	1.8938 ppm	0.0010 ppm
Concentration per Run 3	-0.0001 ppm	0.0001 ppm	0.0001 ppm	0.0014 ppm	0.7216 ppm	1.9046 ppm	0.0006 ppm
Concentration RSD	20.6 %	64.3 %	53.1 %	8.7 %	2.0 %	1.8 %	35.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	2.5025 ppm	0.1039 ppm	0.0046 ppm	44.0743 ppm	0.0004 ppm	0.0002 ppm	0.0121 ppm
Concentration per Run 1	2.4960 ppm	0.1021 ppm	0.0052 ppm	43.2783 ppm	0.0005 ppm	0.0001 ppm	0.0118 ppm
Concentration per Run 2	2.5071 ppm	0.1050 ppm	0.0047 ppm	44.5745 ppm	0.0004 ppm	0.0005 ppm	0.0122 ppm
Concentration per Run 3	2.5044 ppm	0.1046 ppm	0.0040 ppm	44.3700 ppm	0.0003 ppm	0.0000 ppm	0.0122 ppm
Concentration RSD	0.2 %	1.5 %	14.0 %	1.6 %	21.1 %	159.2 %	1.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0017 ppm	4.5406 ppm	0.0023 ppm	0.0728 ppm	0.0014 ppm	0.0002 ppm	0.0006 ppm
Concentration per Run 1	0.0014 ppm	4.5312 ppm	0.0027 ppm	0.0714 ppm	0.0014 ppm	-0.0001 ppm	0.0008 ppm
Concentration per Run 2	0.0010 ppm	4.5493 ppm	0.0023 ppm	0.0737 ppm	0.0014 ppm	0.0007 ppm	0.0005 ppm
Concentration per Run 3	0.0028 ppm	4.5415 ppm	0.0020 ppm	0.0734 ppm	0.0013 ppm	0.0000 ppm	0.0006 ppm
Concentration RSD	55.4 %	0.2 %	13.7 %	1.7 %	4.3 %	218.8 %	24.5 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0033 ppm	105.1342 %	97.3490 %	97.6200 %	100.6540 %	95.9294 %	96.9729 %
Concentration per Run 1	0.0033 ppm	107.1134 %	97.1789 %	97.7052 %	102.2707 %	96.0525 %	96.9110 %
Concentration per Run 2	0.0033 ppm	104.3850 %	97.5643 %	97.6950 %	99.6622 %	95.8055 %	96.9400 %
Concentration per Run 3	0.0034 ppm	103.9042 %	97.3039 %	97.4599 %	100.0291 %	95.9301 %	97.0678 %
Concentration RSD	1.3 %	1.6 %	0.2 %	0.1 %	1.4 %	0.1 %	0.1 %

ICP DataTrace 5

7/1/2025 7:30:54 PM



LabBook: WG2085564_07012025T5.imexp

Sample: L2537651-14 WG2085346
 Analysis started at: 7/1/2025 11:12:12 AM
 Comments: <Comment>
 Rack: 1
 Vial: 22

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.0079 ppm	0.0004 ppm	0.0008 ppm	0.0003 ppm	0.0000 ppm	0.0532 ppm
Concentration per Run 1	0.0000 ppm	0.0052 ppm	0.0005 ppm	0.0008 ppm	0.0003 ppm	0.0000 ppm	0.0520 ppm
Concentration per Run 2	-0.0002 ppm	0.0096 ppm	0.0011 ppm	0.0007 ppm	0.0002 ppm	0.0000 ppm	0.0533 ppm
Concentration per Run 3	-0.0002 ppm	0.0089 ppm	-0.0003 ppm	0.0009 ppm	0.0003 ppm	0.0000 ppm	0.0541 ppm
Concentration RSD	110.7 %	29.6 %	163.9 %	9.6 %	32.2 %	102.7 %	2.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0001 ppm	0.0001 ppm	0.0005 ppm	0.0011 ppm	0.0376 ppm	-0.0009 ppm
Concentration per Run 1	0.0000 ppm	0.0000 ppm	-0.0001 ppm	0.0004 ppm	0.0008 ppm	0.0452 ppm	-0.0004 ppm
Concentration per Run 2	0.0000 ppm	-0.0001 ppm	0.0003 ppm	0.0006 ppm	0.0016 ppm	0.0395 ppm	-0.0018 ppm
Concentration per Run 3	0.0000 ppm	0.0000 ppm	-0.0001 ppm	0.0006 ppm	0.0008 ppm	0.0282 ppm	-0.0003 ppm
Concentration RSD	42.9 %	91.7 %	430.7 %	17.2 %	42.7 %	23.0 %	96.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0028 ppm	0.0000 ppm	0.0014 ppm	0.0419 ppm	0.0001 ppm	0.0001 ppm	0.0031 ppm
Concentration per Run 1	0.0030 ppm	0.0001 ppm	0.0015 ppm	0.0351 ppm	-0.0002 ppm	-0.0002 ppm	0.0034 ppm
Concentration per Run 2	0.0028 ppm	0.0001 ppm	0.0015 ppm	0.0449 ppm	0.0005 ppm	0.0005 ppm	0.0038 ppm
Concentration per Run 3	0.0026 ppm	-0.0002 ppm	0.0011 ppm	0.0456 ppm	0.0001 ppm	0.0000 ppm	0.0020 ppm
Concentration RSD	6.4 %	13,544.7 %	15.7 %	14.0 %	336.8 %	392.9 %	29.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0013 ppm	0.0199 ppm	0.0002 ppm	0.0001 ppm	0.0002 ppm	0.0007 ppm	-0.0001 ppm
Concentration per Run 1	0.0010 ppm	0.0203 ppm	0.0005 ppm	0.0001 ppm	0.0003 ppm	0.0008 ppm	-0.0001 ppm
Concentration per Run 2	0.0011 ppm	0.0198 ppm	0.0005 ppm	0.0001 ppm	0.0002 ppm	0.0009 ppm	-0.0002 ppm
Concentration per Run 3	0.0017 ppm	0.0196 ppm	-0.0002 ppm	0.0002 ppm	0.0001 ppm	0.0004 ppm	0.0000 ppm
Concentration RSD	31.1 %	1.8 %	173.3 %	47.1 %	43.4 %	42.3 %	166.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0003 ppm	103.7090 %	100.3775 %	99.8311 %	99.5530 %	99.9061 %	99.2356 %
Concentration per Run 1	0.0002 ppm	104.9878 %	100.2988 %	99.8322 %	100.6045 %	99.8555 %	99.0757 %
Concentration per Run 2	0.0003 ppm	103.1459 %	100.5653 %	99.8330 %	98.9505 %	99.9991 %	99.3503 %
Concentration per Run 3	0.0003 ppm	102.9932 %	100.2685 %	99.8280 %	99.1039 %	99.8638 %	99.2808 %
Concentration RSD	13.8 %	1.1 %	0.2 %	0.0 %	0.9 %	0.1 %	0.1 %

ICP DataTrace 5

7/1/2025 7:30:54 PM



LabBook: WG2085564_07012025T5.imexp

Sample: L2537651-17 WG2085346
 Analysis started at: 7/1/2025 11:18:39 AM
 Comments: <Comment>
 Rack: 1
 Vial: 23

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0611 ppm	0.0003 ppm	0.0124 ppm	0.0237 ppm	0.0000 ppm	9.1452 ppm
Concentration per Run 1	-0.0001 ppm	0.0593 ppm	0.0021 ppm	0.0125 ppm	0.0235 ppm	0.0000 ppm	9.0417 ppm
Concentration per Run 2	0.0002 ppm	0.0644 ppm	-0.0008 ppm	0.0124 ppm	0.0240 ppm	0.0000 ppm	9.2025 ppm
Concentration per Run 3	-0.0001 ppm	0.0598 ppm	-0.0004 ppm	0.0123 ppm	0.0236 ppm	0.0000 ppm	9.1913 ppm
Concentration RSD	48,340.7 %	4.6 %	460.8 %	0.9 %	1.1 %	39.6 %	1.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0006 ppm	0.0004 ppm	0.0013 ppm	1.1084 ppm	2.0582 ppm	0.0008 ppm
Concentration per Run 1	0.0000 ppm	0.0006 ppm	0.0000 ppm	0.0012 ppm	1.0949 ppm	2.0462 ppm	0.0007 ppm
Concentration per Run 2	0.0000 ppm	0.0006 ppm	0.0005 ppm	0.0014 ppm	1.1117 ppm	2.0567 ppm	0.0007 ppm
Concentration per Run 3	-0.0001 ppm	0.0007 ppm	0.0006 ppm	0.0013 ppm	1.1185 ppm	2.0716 ppm	0.0009 ppm
Concentration RSD	36.2 %	7.4 %	84.2 %	5.1 %	1.1 %	0.6 %	20.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	3.0183 ppm	0.1148 ppm	0.0007 ppm	39.9526 ppm	0.0006 ppm	0.0000 ppm	0.0019 ppm
Concentration per Run 1	3.0145 ppm	0.1129 ppm	0.0007 ppm	39.4175 ppm	0.0006 ppm	0.0000 ppm	0.0022 ppm
Concentration per Run 2	3.0308 ppm	0.1159 ppm	0.0008 ppm	40.3175 ppm	0.0006 ppm	0.0004 ppm	0.0026 ppm
Concentration per Run 3	3.0095 ppm	0.1157 ppm	0.0006 ppm	40.1227 ppm	0.0007 ppm	-0.0003 ppm	0.0009 ppm
Concentration RSD	0.4 %	1.5 %	14.0 %	1.2 %	8.2 %	1,209.9 %	49.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0003 ppm	1.2494 ppm	0.0003 ppm	0.0618 ppm	0.0010 ppm	-0.0002 ppm	0.0004 ppm
Concentration per Run 1	0.0019 ppm	1.2472 ppm	0.0005 ppm	0.0609 ppm	0.0012 ppm	0.0000 ppm	0.0003 ppm
Concentration per Run 2	0.0013 ppm	1.2492 ppm	0.0005 ppm	0.0624 ppm	0.0008 ppm	-0.0006 ppm	0.0006 ppm
Concentration per Run 3	-0.0022 ppm	1.2517 ppm	-0.0001 ppm	0.0622 ppm	0.0011 ppm	0.0002 ppm	0.0004 ppm
Concentration RSD	660.5 %	0.2 %	110.9 %	1.4 %	22.5 %	260.0 %	40.8 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0024 ppm	103.5704 %	97.8463 %	97.8833 %	100.3169 %	96.1360 %	96.8220 %
Concentration per Run 1	0.0023 ppm	104.4927 %	97.7214 %	98.0946 %	101.6216 %	96.3186 %	97.0369 %
Concentration per Run 2	0.0024 ppm	103.2862 %	97.8471 %	97.7984 %	99.4568 %	96.0335 %	96.5294 %
Concentration per Run 3	0.0024 ppm	102.9321 %	97.9704 %	97.7569 %	99.8722 %	96.0557 %	96.8998 %
Concentration RSD	1.7 %	0.8 %	0.1 %	0.2 %	1.1 %	0.2 %	0.3 %

ICP DataTrace 5

7/1/2025 7:30:54 PM



LabBook: WG2085564_07012025T5.imexp

Sample: L2538805-01 WG2085346
 Analysis started at: 7/1/2025 11:24:59 AM
 Comments: <Comment>
 Rack: 1
 Vial: 11

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0064 ppm	0.0000 ppm	0.0248 ppm	0.0227 ppm	0.0000 ppm	7.4602 ppm
Concentration per Run 1	0.0002 ppm	0.0063 ppm	0.0004 ppm	0.0245 ppm	0.0226 ppm	0.0000 ppm	7.4497 ppm
Concentration per Run 2	-0.0003 ppm	0.0039 ppm	-0.0002 ppm	0.0248 ppm	0.0229 ppm	0.0000 ppm	7.5041 ppm
Concentration per Run 3	0.0000 ppm	0.0090 ppm	-0.0003 ppm	0.0250 ppm	0.0226 ppm	0.0000 ppm	7.4269 ppm
Concentration RSD	4,735.2 %	39.6 %	1,245.6 %	1.0 %	0.7 %	175.8 %	0.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0001 ppm	0.0004 ppm	0.0010 ppm	0.0044 ppm	1.2457 ppm	0.0000 ppm
Concentration per Run 1	0.0000 ppm	0.0002 ppm	0.0004 ppm	0.0010 ppm	0.0041 ppm	1.2318 ppm	-0.0006 ppm
Concentration per Run 2	-0.0001 ppm	0.0001 ppm	0.0004 ppm	0.0010 ppm	0.0048 ppm	1.2443 ppm	0.0008 ppm
Concentration per Run 3	0.0000 ppm	0.0001 ppm	0.0004 ppm	0.0010 ppm	0.0044 ppm	1.2610 ppm	-0.0001 ppm
Concentration RSD	90.4 %	50.4 %	11.0 %	1.3 %	7.8 %	1.2 %	2,184.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	2.4441 ppm	0.0006 ppm	0.0004 ppm	36.9972 ppm	0.0005 ppm	-0.0006 ppm	0.0001 ppm
Concentration per Run 1	2.4432 ppm	0.0005 ppm	0.0003 ppm	36.8812 ppm	0.0004 ppm	-0.0012 ppm	0.0007 ppm
Concentration per Run 2	2.4382 ppm	0.0007 ppm	0.0005 ppm	37.2399 ppm	0.0003 ppm	-0.0006 ppm	-0.0011 ppm
Concentration per Run 3	2.4509 ppm	0.0005 ppm	0.0005 ppm	36.8703 ppm	0.0006 ppm	-0.0001 ppm	0.0007 ppm
Concentration RSD	0.3 %	18.9 %	30.9 %	0.6 %	31.5 %	88.7 %	1,126.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0014 ppm	3.9632 ppm	-0.0001 ppm	0.0327 ppm	0.0003 ppm	0.0004 ppm	0.0002 ppm
Concentration per Run 1	0.0014 ppm	3.9622 ppm	-0.0004 ppm	0.0325 ppm	0.0002 ppm	0.0013 ppm	0.0001 ppm
Concentration per Run 2	0.0017 ppm	3.9741 ppm	0.0002 ppm	0.0329 ppm	0.0003 ppm	-0.0001 ppm	0.0002 ppm
Concentration per Run 3	0.0011 ppm	3.9534 ppm	-0.0001 ppm	0.0326 ppm	0.0002 ppm	0.0001 ppm	0.0004 ppm
Concentration RSD	23.2 %	0.3 %	242.8 %	0.6 %	15.3 %	171.0 %	41.7 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0017 ppm	102.0678 %	97.5166 %	97.8747 %	97.4834 %	96.1762 %	96.7884 %
Concentration per Run 1	0.0016 ppm	102.3187 %	97.5739 %	97.8367 %	97.8341 %	96.1922 %	96.7348 %
Concentration per Run 2	0.0017 ppm	101.7513 %	97.5329 %	97.9113 %	96.9519 %	96.0561 %	96.8215 %
Concentration per Run 3	0.0018 ppm	102.1333 %	97.4429 %	97.8762 %	97.6642 %	96.2801 %	96.8089 %
Concentration RSD	5.5 %	0.3 %	0.1 %	0.0 %	0.5 %	0.1 %	0.0 %

ICP DataTrace 5

7/1/2025 7:30:54 PM



LabBook: WG2085564_07012025T5.imexp

Sample: WG2085346-3 WG2085346
 Analysis started at: 7/1/2025 11:31:22 AM
 Comments: <Comment>
 Rack: 1
 Vial: 12

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0576 ppm	2.1641 ppm	0.1229 ppm	1.0301 ppm	2.2484 ppm	0.0539 ppm	17.2450 ppm
Concentration per Run 1	0.0572 ppm	2.1345 ppm	0.1222 ppm	1.0299 ppm	2.2175 ppm	0.0531 ppm	16.9539 ppm
Concentration per Run 2	0.0576 ppm	2.1691 ppm	0.1232 ppm	1.0282 ppm	2.2283 ppm	0.0540 ppm	17.2834 ppm
Concentration per Run 3	0.0581 ppm	2.1888 ppm	0.1234 ppm	1.0323 ppm	2.2994 ppm	0.0546 ppm	17.4978 ppm
Concentration RSD	0.8 %	1.3 %	0.5 %	0.2 %	2.0 %	1.4 %	1.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0518 ppm	0.5368 ppm	0.2202 ppm	0.2784 ppm	1.0643 ppm	12.0765 ppm	0.0002 ppm
Concentration per Run 1	0.0517 ppm	0.5354 ppm	0.2200 ppm	0.2784 ppm	1.0499 ppm	11.8456 ppm	-0.0005 ppm
Concentration per Run 2	0.0519 ppm	0.5366 ppm	0.2203 ppm	0.2787 ppm	1.0644 ppm	12.1351 ppm	0.0003 ppm
Concentration per Run 3	0.0519 ppm	0.5382 ppm	0.2203 ppm	0.2782 ppm	1.0786 ppm	12.2488 ppm	0.0008 ppm
Concentration RSD	0.2 %	0.3 %	0.1 %	0.1 %	1.3 %	1.7 %	298.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	12.6670 ppm	0.5570 ppm	0.9816 ppm	47.0921 ppm	0.5529 ppm	0.5306 ppm	0.4553 ppm
Concentration per Run 1	12.6484 ppm	0.5458 ppm	0.9780 ppm	46.2202 ppm	0.5522 ppm	0.5291 ppm	0.4487 ppm
Concentration per Run 2	12.6672 ppm	0.5600 ppm	0.9810 ppm	47.3430 ppm	0.5527 ppm	0.5306 ppm	0.4560 ppm
Concentration per Run 3	12.6855 ppm	0.5653 ppm	0.9857 ppm	47.7130 ppm	0.5540 ppm	0.5321 ppm	0.4612 ppm
Concentration RSD	0.1 %	1.8 %	0.4 %	1.7 %	0.2 %	0.3 %	1.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1237 ppm	5.1780 ppm	0.9852 ppm	1.0390 ppm	1.0270 ppm	0.1218 ppm	0.5679 ppm
Concentration per Run 1	0.1249 ppm	5.1718 ppm	0.9838 ppm	1.0182 ppm	1.0253 ppm	0.1228 ppm	0.5673 ppm
Concentration per Run 2	0.1229 ppm	5.1717 ppm	0.9829 ppm	1.0467 ppm	1.0277 ppm	0.1206 ppm	0.5689 ppm
Concentration per Run 3	0.1233 ppm	5.1904 ppm	0.9889 ppm	1.0519 ppm	1.0279 ppm	0.1222 ppm	0.5676 ppm
Concentration RSD	0.9 %	0.2 %	0.3 %	1.7 %	0.1 %	0.9 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5532 ppm	104.2826 %	97.0628 %	97.2348 %	100.6019 %	95.2116 %	96.5192 %
Concentration per Run 1	0.5519 ppm	105.4759 %	97.0044 %	97.1719 %	102.1692 %	95.2140 %	96.6027 %
Concentration per Run 2	0.5534 ppm	104.5171 %	97.1954 %	97.3680 %	100.5496 %	95.3073 %	96.5860 %
Concentration per Run 3	0.5543 ppm	102.8548 %	96.9886 %	97.1644 %	99.0869 %	95.1133 %	96.3690 %
Concentration RSD	0.2 %	1.3 %	0.1 %	0.1 %	1.5 %	0.1 %	0.1 %

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LabBook: WG2085564_07012025T5.imexp

Sample: WG2085346-4 WG2085346
 Analysis started at: 7/1/2025 11:37:38 AM
 Comments: <Comment>
 Rack: 1
 Vial: 13

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.0087 ppm	0.0003 ppm	0.0264 ppm	0.0236 ppm	0.0000 ppm	7.7247 ppm
Concentration per Run 1	0.0002 ppm	0.0071 ppm	-0.0003 ppm	0.0263 ppm	0.0241 ppm	0.0000 ppm	7.9127 ppm
Concentration per Run 2	-0.0003 ppm	0.0113 ppm	0.0003 ppm	0.0263 ppm	0.0234 ppm	0.0000 ppm	7.6632 ppm
Concentration per Run 3	-0.0001 ppm	0.0076 ppm	0.0011 ppm	0.0264 ppm	0.0232 ppm	0.0000 ppm	7.5982 ppm
Concentration RSD	323.7 %	26.3 %	211.0 %	0.3 %	1.8 %	43.1 %	2.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0002 ppm	0.0004 ppm	0.0009 ppm	0.0041 ppm	1.2815 ppm	0.0006 ppm
Concentration per Run 1	0.0000 ppm	0.0001 ppm	0.0003 ppm	0.0008 ppm	0.0045 ppm	1.3061 ppm	0.0009 ppm
Concentration per Run 2	0.0000 ppm	0.0001 ppm	0.0005 ppm	0.0009 ppm	0.0027 ppm	1.2783 ppm	0.0006 ppm
Concentration per Run 3	-0.0001 ppm	0.0003 ppm	0.0003 ppm	0.0010 ppm	0.0052 ppm	1.2600 ppm	0.0004 ppm
Concentration RSD	42.2 %	66.5 %	40.2 %	9.9 %	31.0 %	1.8 %	44.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	2.4860 ppm	0.0008 ppm	0.0056 ppm	38.2678 ppm	0.0005 ppm	-0.0004 ppm	0.0125 ppm
Concentration per Run 1	2.4809 ppm	0.0008 ppm	0.0063 ppm	39.0340 ppm	0.0006 ppm	-0.0010 ppm	0.0143 ppm
Concentration per Run 2	2.4939 ppm	0.0009 ppm	0.0055 ppm	38.0864 ppm	0.0006 ppm	-0.0001 ppm	0.0118 ppm
Concentration per Run 3	2.4831 ppm	0.0008 ppm	0.0051 ppm	37.6831 ppm	0.0005 ppm	-0.0001 ppm	0.0114 ppm
Concentration RSD	0.3 %	2.5 %	10.8 %	1.8 %	12.3 %	118.9 %	12.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0012 ppm	4.0500 ppm	0.0045 ppm	0.0339 ppm	0.0006 ppm	0.0006 ppm	0.0001 ppm
Concentration per Run 1	-0.0012 ppm	4.0524 ppm	0.0050 ppm	0.0346 ppm	0.0006 ppm	-0.0006 ppm	0.0001 ppm
Concentration per Run 2	0.0033 ppm	4.0441 ppm	0.0042 ppm	0.0337 ppm	0.0004 ppm	0.0016 ppm	0.0000 ppm
Concentration per Run 3	0.0016 ppm	4.0534 ppm	0.0044 ppm	0.0333 ppm	0.0007 ppm	0.0007 ppm	0.0002 ppm
Concentration RSD	185.1 %	0.1 %	9.8 %	1.9 %	24.9 %	205.2 %	82.7 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0017 ppm	101.5346 %	97.7415 %	97.6971 %	96.5687 %	96.2344 %	96.9124 %
Concentration per Run 1	0.0016 ppm	99.4550 %	97.9595 %	97.7673 %	94.4044 %	96.2288 %	97.0328 %
Concentration per Run 2	0.0017 ppm	102.1657 %	97.6591 %	97.7984 %	97.4164 %	96.3470 %	96.8189 %
Concentration per Run 3	0.0018 ppm	102.9832 %	97.6059 %	97.5257 %	97.8852 %	96.1274 %	96.8854 %
Concentration RSD	4.7 %	1.8 %	0.2 %	0.2 %	2.0 %	0.1 %	0.1 %

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LabBook: WG2085564_07012025T5.imexp

Sample: WG2085346-5 WG2085346
 Analysis started at: 7/1/2025 11:43:57 AM
 Comments: <Comment>
 Rack: 1
 Vial: 14

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0553 ppm	2.0756 ppm	0.1193 ppm	1.0043 ppm	2.2123 ppm	0.0520 ppm	17.0740 ppm
Concentration per Run 1	0.0555 ppm	2.0765 ppm	0.1198 ppm	1.0044 ppm	2.2113 ppm	0.0519 ppm	17.0337 ppm
Concentration per Run 2	0.0550 ppm	2.0721 ppm	0.1199 ppm	1.0021 ppm	2.2164 ppm	0.0520 ppm	17.0723 ppm
Concentration per Run 3	0.0555 ppm	2.0783 ppm	0.1181 ppm	1.0064 ppm	2.2093 ppm	0.0522 ppm	17.1160 ppm
Concentration RSD	0.6 %	0.2 %	0.9 %	0.2 %	0.2 %	0.3 %	0.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0496 ppm	0.5132 ppm	0.2109 ppm	0.2674 ppm	1.0293 ppm	12.1040 ppm	-0.0011 ppm
Concentration per Run 1	0.0497 ppm	0.5132 ppm	0.2113 ppm	0.2676 ppm	1.0275 ppm	12.0713 ppm	-0.0010 ppm
Concentration per Run 2	0.0496 ppm	0.5128 ppm	0.2111 ppm	0.2672 ppm	1.0273 ppm	12.0829 ppm	-0.0010 ppm
Concentration per Run 3	0.0496 ppm	0.5137 ppm	0.2103 ppm	0.2676 ppm	1.0329 ppm	12.1577 ppm	-0.0015 ppm
Concentration RSD	0.1 %	0.1 %	0.2 %	0.1 %	0.3 %	0.4 %	23.8 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	12.3771 ppm	0.5455 ppm	0.9486 ppm	46.9077 ppm	0.5270 ppm	0.5121 ppm	0.3910 ppm
Concentration per Run 1	12.3687 ppm	0.5428 ppm	0.9458 ppm	46.7538 ppm	0.5273 ppm	0.5129 ppm	0.3754 ppm
Concentration per Run 2	12.3986 ppm	0.5459 ppm	0.9482 ppm	46.9803 ppm	0.5269 ppm	0.5115 ppm	0.3929 ppm
Concentration per Run 3	12.3640 ppm	0.5477 ppm	0.9518 ppm	46.9890 ppm	0.5269 ppm	0.5120 ppm	0.4047 ppm
Concentration RSD	0.2 %	0.5 %	0.3 %	0.3 %	0.0 %	0.1 %	3.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1178 ppm	4.7738 ppm	0.9636 ppm	1.0465 ppm	1.0059 ppm	0.1188 ppm	0.5433 ppm
Concentration per Run 1	0.1161 ppm	4.7757 ppm	0.9613 ppm	1.0420 ppm	1.0048 ppm	0.1180 ppm	0.5427 ppm
Concentration per Run 2	0.1182 ppm	4.7682 ppm	0.9629 ppm	1.0483 ppm	1.0079 ppm	0.1174 ppm	0.5440 ppm
Concentration per Run 3	0.1193 ppm	4.7775 ppm	0.9665 ppm	1.0491 ppm	1.0049 ppm	0.1209 ppm	0.5431 ppm
Concentration RSD	1.4 %	0.1 %	0.3 %	0.4 %	0.2 %	1.6 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5294 ppm	102.7878 %	96.5811 %	96.6984 %	97.8719 %	95.2378 %	95.8138 %
Concentration per Run 1	0.5299 ppm	102.5939 %	96.6381 %	96.6851 %	97.8618 %	95.1506 %	95.8694 %
Concentration per Run 2	0.5297 ppm	102.7260 %	96.5556 %	96.8304 %	97.7300 %	95.3675 %	95.7270 %
Concentration per Run 3	0.5286 ppm	103.0436 %	96.5496 %	96.5798 %	98.0240 %	95.1952 %	95.8449 %
Concentration RSD	0.1 %	0.2 %	0.1 %	0.1 %	0.2 %	0.1 %	0.1 %

ICP DataTrace 5

7/1/2025 7:30:54 PM



LabBook: WG2085564_07012025T5.imexp

Sample: WG2085346-6d5 WG2085346
 Analysis started at: 7/1/2025 11:50:03 AM
 Comments: <Comment>
 Rack: 1
 Vial: 15

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.0038 ppm	-0.0009 ppm	0.0067 ppm	0.0044 ppm	0.0000 ppm	1.4531 ppm
Concentration per Run 1	0.0000 ppm	0.0081 ppm	-0.0007 ppm	0.0070 ppm	0.0041 ppm	0.0000 ppm	1.3639 ppm
Concentration per Run 2	0.0000 ppm	0.0029 ppm	-0.0007 ppm	0.0067 ppm	0.0045 ppm	0.0000 ppm	1.4871 ppm
Concentration per Run 3	-0.0003 ppm	0.0004 ppm	-0.0013 ppm	0.0065 ppm	0.0047 ppm	0.0000 ppm	1.5082 ppm
Concentration RSD	129.3 %	103.9 %	36.9 %	4.0 %	7.3 %	82.6 %	5.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0001 ppm	0.0000 ppm	0.0005 ppm	0.0025 ppm	0.2782 ppm	0.0011 ppm
Concentration per Run 1	0.0000 ppm	0.0001 ppm	0.0001 ppm	0.0005 ppm	0.0018 ppm	0.2734 ppm	0.0009 ppm
Concentration per Run 2	0.0000 ppm	-0.0002 ppm	-0.0001 ppm	0.0005 ppm	0.0024 ppm	0.2780 ppm	0.0012 ppm
Concentration per Run 3	0.0000 ppm	-0.0001 ppm	0.0000 ppm	0.0005 ppm	0.0033 ppm	0.2831 ppm	0.0012 ppm
Concentration RSD	19.8 %	181.4 %	1,039.6 %	4.9 %	29.5 %	1.7 %	17.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5056 ppm	0.0003 ppm	0.0062 ppm	7.0819 ppm	0.0002 ppm	0.0000 ppm	0.0254 ppm
Concentration per Run 1	0.5051 ppm	0.0002 ppm	0.0070 ppm	6.7110 ppm	0.0003 ppm	-0.0005 ppm	0.0278 ppm
Concentration per Run 2	0.5038 ppm	0.0003 ppm	0.0063 ppm	7.2151 ppm	0.0001 ppm	0.0004 ppm	0.0250 ppm
Concentration per Run 3	0.5080 ppm	0.0003 ppm	0.0054 ppm	7.3196 ppm	0.0002 ppm	0.0001 ppm	0.0235 ppm
Concentration RSD	0.4 %	23.1 %	12.5 %	4.6 %	50.2 %	1,651.9 %	8.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0000 ppm	0.7861 ppm	0.0054 ppm	0.0065 ppm	0.0006 ppm	0.0004 ppm	0.0001 ppm
Concentration per Run 1	-0.0009 ppm	0.7849 ppm	0.0062 ppm	0.0061 ppm	0.0004 ppm	0.0001 ppm	0.0001 ppm
Concentration per Run 2	0.0011 ppm	0.7890 ppm	0.0055 ppm	0.0066 ppm	0.0005 ppm	0.0011 ppm	0.0001 ppm
Concentration per Run 3	-0.0003 ppm	0.7844 ppm	0.0046 ppm	0.0066 ppm	0.0008 ppm	0.0000 ppm	0.0001 ppm
Concentration RSD	7,108.3 %	0.3 %	14.0 %	4.2 %	37.1 %	163.4 %	3.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0007 ppm	107.0654 %	98.7910 %	98.6792 %	102.1740 %	99.7428 %	98.0096 %
Concentration per Run 1	0.0006 ppm	113.4305 %	98.7332 %	98.7997 %	107.8592 %	99.8927 %	97.7677 %
Concentration per Run 2	0.0007 ppm	104.2840 %	99.0844 %	98.5913 %	99.6757 %	99.4000 %	98.3072 %
Concentration per Run 3	0.0007 ppm	103.4816 %	98.5553 %	98.6467 %	98.9872 %	99.9356 %	97.9538 %
Concentration RSD	9.8 %	5.2 %	0.3 %	0.1 %	4.8 %	0.3 %	0.3 %

ICP DataTrace 5

7/1/2025 7:30:54 PM



LabBook: WG2085564_07012025T5.imexp

Sample: CCV
 Analysis started at: 7/1/2025 11:56:25 AM
 Comments: <Comment>
 Rack: 0
 Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.5331 ppm	0.4983 ppm	0.4834 ppm	0.4950 ppm	0.5059 ppm	0.5180 ppm	0.5124 ppm
Concentration per Run 1	0.5324 ppm	0.4875 ppm	0.4832 ppm	0.4946 ppm	0.5026 ppm	0.5147 ppm	0.5080 ppm
Concentration per Run 2	0.5344 ppm	0.5042 ppm	0.4829 ppm	0.4954 ppm	0.5076 ppm	0.5194 ppm	0.5169 ppm
Concentration per Run 3	0.5325 ppm	0.5031 ppm	0.4841 ppm	0.4949 ppm	0.5076 ppm	0.5197 ppm	0.5124 ppm
Recovery Percentage 1	106.622 %	99.654 %	96.682 %	98.991 %	101.180 %	103.593 %	102.484 %
Concentration RSD	0.2 %	1.9 %	0.1 %	0.1 %	0.6 %	0.5 %	0.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4923 ppm	0.5016 ppm	0.5063 ppm	0.5098 ppm	0.4872 ppm	5.4159 ppm	0.5235 ppm
Concentration per Run 1	0.4915 ppm	0.5005 ppm	0.5065 ppm	0.5098 ppm	0.4842 ppm	5.3699 ppm	0.5198 ppm
Concentration per Run 2	0.4927 ppm	0.5028 ppm	0.5068 ppm	0.5086 ppm	0.4898 ppm	5.4221 ppm	0.5263 ppm
Concentration per Run 3	0.4927 ppm	0.5013 ppm	0.5057 ppm	0.5111 ppm	0.4875 ppm	5.4557 ppm	0.5244 ppm
Recovery Percentage 1	98.464 %	100.310 %	101.263 %	101.963 %	97.438 %	108.318 %	104.699 %
Concentration RSD	0.1 %	0.2 %	0.1 %	0.2 %	0.6 %	0.8 %	0.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5253 ppm	0.5238 ppm	0.4985 ppm	10.4999 ppm	0.5099 ppm	0.5102 ppm	0.5264 ppm
Concentration per Run 1	0.5269 ppm	0.5201 ppm	0.4976 ppm	10.4367 ppm	0.5090 ppm	0.5106 ppm	0.5290 ppm
Concentration per Run 2	0.5242 ppm	0.5262 ppm	0.4986 ppm	10.5319 ppm	0.5100 ppm	0.5100 ppm	0.5259 ppm
Concentration per Run 3	0.5249 ppm	0.5250 ppm	0.4992 ppm	10.5311 ppm	0.5106 ppm	0.5100 ppm	0.5245 ppm
Recovery Percentage 1	105.068 %	104.754 %	99.697 %	104.999 %	101.971 %	102.036 %	105.289 %
Concentration RSD	0.3 %	0.6 %	0.2 %	0.5 %	0.2 %	0.1 %	0.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4947 ppm	5.5207 ppm	0.5124 ppm	0.5220 ppm	0.5119 ppm	0.5234 ppm	0.5108 ppm
Concentration per Run 1	0.4942 ppm	5.5193 ppm	0.5125 ppm	0.5186 ppm	0.5121 ppm	0.5252 ppm	0.5108 ppm
Concentration per Run 2	0.4935 ppm	5.5238 ppm	0.5126 ppm	0.5238 ppm	0.5124 ppm	0.5240 ppm	0.5111 ppm
Concentration per Run 3	0.4964 ppm	5.5190 ppm	0.5122 ppm	0.5236 ppm	0.5114 ppm	0.5211 ppm	0.5106 ppm
Recovery Percentage 1	98.936 %	105.156 %	102.482 %	104.400 %	102.389 %	104.683 %	102.164 %
Concentration RSD	0.3 %	0.0 %	0.0 %	0.6 %	0.1 %	0.4 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5009 ppm	101.9691 %	98.0126 %	97.6248 %	97.6922 %	96.9825 %	97.4142 %
Concentration per Run 1	0.5003 ppm	102.2806 %	98.0112 %	97.3642 %	98.4567 %	96.9697 %	97.3865 %
Concentration per Run 2	0.5012 ppm	101.5554 %	97.9662 %	97.8368 %	97.1736 %	96.9865 %	97.3497 %
Concentration per Run 3	0.5012 ppm	102.0713 %	98.0604 %	97.6734 %	97.4461 %	96.9913 %	97.5065 %
Recovery Percentage 1	100.180 %						
Concentration RSD	0.1 %	0.4 %	0.0 %	0.2 %	0.7 %	0.0 %	0.1 %

ICP DataTrace 5

7/1/2025 7:30:54 PM



LabBook: WG2085564_07012025T5.imexp

Sample: CCB
 Analysis started at: 7/1/2025 12:02:32 PM
 Comments: <Comment>
 Rack: 0
 Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.0045 ppm	-0.0001 ppm	0.0017 ppm	0.0001 ppm	0.0001 ppm	0.0100 ppm
Concentration per Run 1	-0.0001 ppm	0.0075 ppm	-0.0017 ppm	0.0019 ppm	0.0001 ppm	0.0001 ppm	0.0101 ppm
Concentration per Run 2	-0.0002 ppm	0.0027 ppm	0.0019 ppm	0.0020 ppm	0.0000 ppm	0.0001 ppm	0.0111 ppm
Concentration per Run 3	-0.0001 ppm	0.0035 ppm	-0.0004 ppm	0.0013 ppm	0.0000 ppm	0.0001 ppm	0.0089 ppm
Recovery Percentage 1	-1.775 %	4.540 %	-1.315 %	5.734 %	0.649 %	1.664 %	10.003 %
Concentration RSD	56.0 %	56.9 %	2,779.3 %	23.0 %	103.4 %	16.8 %	11.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0002 ppm	0.0000 ppm	0.0004 ppm	0.0002 ppm	0.0434 ppm	0.0006 ppm
Concentration per Run 1	0.0000 ppm	-0.0001 ppm	0.0000 ppm	0.0002 ppm	0.0009 ppm	0.0349 ppm	-0.0006 ppm
Concentration per Run 2	0.0000 ppm	-0.0002 ppm	-0.0002 ppm	0.0004 ppm	0.0003 ppm	0.0559 ppm	0.0010 ppm
Concentration per Run 3	0.0000 ppm	-0.0002 ppm	0.0002 ppm	0.0005 ppm	-0.0006 ppm	0.0392 ppm	0.0014 ppm
Recovery Percentage 1	-0.640 %	-0.900 %	-0.009 %	3.756 %	0.350 %	1.735 %	6.154 %
Concentration RSD	91.0 %	20.2 %	21,445.5 %	35.5 %	433.0 %	25.5 %	168.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0002 ppm	0.0000 ppm	0.0023 ppm	0.0335 ppm	0.0002 ppm	-0.0002 ppm	0.0027 ppm
Concentration per Run 1	-0.0003 ppm	0.0000 ppm	0.0025 ppm	0.0316 ppm	0.0002 ppm	-0.0008 ppm	0.0027 ppm
Concentration per Run 2	0.0025 ppm	-0.0001 ppm	0.0024 ppm	0.0329 ppm	0.0003 ppm	0.0000 ppm	0.0026 ppm
Concentration per Run 3	-0.0017 ppm	0.0002 ppm	0.0020 ppm	0.0361 ppm	0.0002 ppm	0.0003 ppm	0.0027 ppm
Recovery Percentage 1	0.171 %	0.124 %	4.593 %	1.677 %	0.916 %	-1.707 %	5.300 %
Concentration RSD	1,249.9 %	1,243.7 %	12.9 %	6.8 %	37.7 %	334.2 %	2.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0012 ppm	-0.0004 ppm	0.0009 ppm	0.0002 ppm	0.0002 ppm	0.0001 ppm	0.0000 ppm
Concentration per Run 1	0.0007 ppm	-0.0008 ppm	0.0009 ppm	0.0002 ppm	0.0003 ppm	0.0008 ppm	0.0001 ppm
Concentration per Run 2	0.0013 ppm	-0.0004 ppm	0.0013 ppm	0.0002 ppm	0.0001 ppm	-0.0007 ppm	0.0001 ppm
Concentration per Run 3	0.0017 ppm	0.0000 ppm	0.0006 ppm	0.0001 ppm	0.0002 ppm	0.0003 ppm	0.0000 ppm
Recovery Percentage 1	12.462 %	-0.075 %	1.861 %	1.675 %	1.879 %	0.664 %	0.464 %
Concentration RSD	36.8 %	107.4 %	35.4 %	28.1 %	70.0 %	582.9 %	95.7 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0002 ppm	104.8989 %	99.4894 %	99.1097 %	99.2430 %	98.6304 %	97.6205 %
Concentration per Run 1	0.0002 ppm	106.3622 %	99.2475 %	99.1555 %	100.7842 %	98.6256 %	97.4580 %
Concentration per Run 2	0.0002 ppm	104.6625 %	99.4712 %	99.0916 %	98.5357 %	98.3729 %	97.7833 %
Concentration per Run 3	0.0002 ppm	103.6720 %	99.7496 %	99.0820 %	98.4093 %	98.8928 %	97.6202 %
Recovery Percentage 1	4.405 %						
Concentration RSD	9.5 %	1.3 %	0.3 %	0.0 %	1.3 %	0.3 %	0.2 %

ICP DataTrace 5

7/1/2025 7:30:54 PM



LabBook: WG2085564_07012025T5.imexp

Sample: L2537651-20 WG2085346
 Analysis started at: 7/1/2025 12:12:07 PM
 Comments: <Comment>
 Rack: 1
 Vial: 24

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0003 ppm	0.0200 ppm	-0.0003 ppm	0.0235 ppm	0.0738 ppm	0.0000 ppm	23.3256 ppm
Concentration per Run 1	-0.0006 ppm	0.0195 ppm	-0.0012 ppm	0.0238 ppm	0.0739 ppm	0.0000 ppm	23.3925 ppm
Concentration per Run 2	0.0003 ppm	0.0229 ppm	-0.0004 ppm	0.0237 ppm	0.0739 ppm	0.0000 ppm	23.2590 ppm
Concentration per Run 3	-0.0005 ppm	0.0176 ppm	0.0006 ppm	0.0230 ppm	0.0736 ppm	0.0000 ppm	23.3252 ppm
Concentration RSD	169.2 %	13.4 %	265.0 %	1.8 %	0.2 %	72.7 %	0.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0005 ppm	0.0002 ppm	0.0021 ppm	0.4808 ppm	3.2523 ppm	0.0023 ppm
Concentration per Run 1	-0.0001 ppm	0.0005 ppm	0.0002 ppm	0.0021 ppm	0.4819 ppm	3.2372 ppm	0.0020 ppm
Concentration per Run 2	-0.0001 ppm	0.0004 ppm	0.0001 ppm	0.0022 ppm	0.4780 ppm	3.2578 ppm	0.0027 ppm
Concentration per Run 3	-0.0001 ppm	0.0005 ppm	0.0004 ppm	0.0020 ppm	0.4826 ppm	3.2619 ppm	0.0021 ppm
Concentration RSD	15.9 %	8.9 %	50.6 %	3.3 %	0.5 %	0.4 %	17.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	7.3593 ppm	0.2498 ppm	0.0019 ppm	159.9398 ppm	0.0009 ppm	-0.0003 ppm	0.0002 ppm
Concentration per Run 1	7.3504 ppm	0.2493 ppm	0.0020 ppm	160.1502 ppm	0.0008 ppm	0.0004 ppm	0.0010 ppm
Concentration per Run 2	7.3560 ppm	0.2497 ppm	0.0017 ppm	159.7121 ppm	0.0009 ppm	-0.0007 ppm	-0.0005 ppm
Concentration per Run 3	7.3716 ppm	0.2505 ppm	0.0018 ppm	159.9572 ppm	0.0008 ppm	-0.0004 ppm	0.0002 ppm
Concentration RSD	0.1 %	0.2 %	8.8 %	0.1 %	6.1 %	229.1 %	324.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0011 ppm	5.4027 ppm	-0.0003 ppm	0.1572 ppm	0.0006 ppm	0.0013 ppm	0.0006 ppm
Concentration per Run 1	0.0014 ppm	5.3981 ppm	-0.0004 ppm	0.1569 ppm	0.0005 ppm	0.0004 ppm	0.0006 ppm
Concentration per Run 2	0.0008 ppm	5.4080 ppm	-0.0005 ppm	0.1574 ppm	0.0004 ppm	0.0020 ppm	0.0005 ppm
Concentration per Run 3	0.0011 ppm	5.4020 ppm	0.0002 ppm	0.1573 ppm	0.0007 ppm	0.0016 ppm	0.0007 ppm
Concentration RSD	28.8 %	0.1 %	147.3 %	0.2 %	21.2 %	63.9 %	17.9 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0067 ppm	102.1762 %	93.7531 %	94.1378 %	98.1349 %	90.4883 %	93.1334 %
Concentration per Run 1	0.0067 ppm	101.9874 %	93.5923 %	94.3464 %	98.1267 %	90.5704 %	92.9949 %
Concentration per Run 2	0.0067 ppm	102.5586 %	93.7363 %	94.0154 %	98.2741 %	90.3998 %	93.1180 %
Concentration per Run 3	0.0067 ppm	101.9828 %	93.9307 %	94.0516 %	98.0039 %	90.4948 %	93.2872 %
Concentration RSD	0.8 %	0.3 %	0.2 %	0.2 %	0.1 %	0.1 %	0.2 %

ICP DataTrace 5

7/1/2025 7:30:54 PM



LabBook: WG2085564_07012025T5.imexp

Sample: L2537651-23 WG2085346
 Analysis started at: 7/1/2025 12:18:37 PM
 Comments: <Comment>
 Rack: 1
 Vial: 25

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.0677 ppm	0.0004 ppm	0.0196 ppm	0.0347 ppm	0.0001 ppm	12.6623 ppm
Concentration per Run 1	0.0001 ppm	0.0624 ppm	0.0002 ppm	0.0195 ppm	0.0352 ppm	0.0001 ppm	12.8975 ppm
Concentration per Run 2	-0.0004 ppm	0.0685 ppm	0.0010 ppm	0.0197 ppm	0.0346 ppm	0.0000 ppm	12.6022 ppm
Concentration per Run 3	0.0000 ppm	0.0722 ppm	-0.0001 ppm	0.0197 ppm	0.0342 ppm	0.0001 ppm	12.4871 ppm
Concentration RSD	258.1 %	7.3 %	146.5 %	0.5 %	1.4 %	72.5 %	1.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0004 ppm	0.0007 ppm	0.0018 ppm	0.9749 ppm	2.3289 ppm	0.0007 ppm
Concentration per Run 1	-0.0001 ppm	0.0005 ppm	0.0009 ppm	0.0019 ppm	0.9859 ppm	2.3737 ppm	0.0002 ppm
Concentration per Run 2	-0.0001 ppm	0.0003 ppm	0.0007 ppm	0.0017 ppm	0.9760 ppm	2.3265 ppm	0.0003 ppm
Concentration per Run 3	-0.0001 ppm	0.0002 ppm	0.0005 ppm	0.0018 ppm	0.9629 ppm	2.2864 ppm	0.0016 ppm
Concentration RSD	35.1 %	41.8 %	33.8 %	6.9 %	1.2 %	1.9 %	116.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	2.6585 ppm	0.4684 ppm	0.0007 ppm	55.3992 ppm	0.0009 ppm	0.0004 ppm	-0.0013 ppm
Concentration per Run 1	2.6742 ppm	0.4756 ppm	0.0009 ppm	56.3460 ppm	0.0011 ppm	0.0004 ppm	-0.0007 ppm
Concentration per Run 2	2.6561 ppm	0.4668 ppm	0.0007 ppm	55.0651 ppm	0.0008 ppm	0.0000 ppm	-0.0020 ppm
Concentration per Run 3	2.6452 ppm	0.4628 ppm	0.0006 ppm	54.7864 ppm	0.0009 ppm	0.0008 ppm	-0.0011 ppm
Concentration RSD	0.6 %	1.4 %	15.8 %	1.5 %	13.8 %	101.6 %	50.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0005 ppm	2.9964 ppm	-0.0004 ppm	0.0808 ppm	0.0008 ppm	0.0010 ppm	0.0008 ppm
Concentration per Run 1	-0.0012 ppm	2.9863 ppm	-0.0005 ppm	0.0822 ppm	0.0010 ppm	0.0028 ppm	0.0009 ppm
Concentration per Run 2	0.0022 ppm	3.0018 ppm	-0.0001 ppm	0.0803 ppm	0.0007 ppm	-0.0001 ppm	0.0008 ppm
Concentration per Run 3	0.0004 ppm	3.0010 ppm	-0.0006 ppm	0.0799 ppm	0.0008 ppm	0.0002 ppm	0.0008 ppm
Concentration RSD	352.9 %	0.3 %	70.2 %	1.5 %	20.5 %	168.6 %	4.6 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0050 ppm	102.5944 %	96.7428 %	96.4462 %	96.3512 %	95.0827 %	95.8728 %
Concentration per Run 1	0.0049 ppm	101.2011 %	96.6019 %	96.4285 %	94.7959 %	95.4223 %	95.6473 %
Concentration per Run 2	0.0050 ppm	102.7650 %	96.6229 %	96.6314 %	96.8108 %	94.9216 %	95.8031 %
Concentration per Run 3	0.0051 ppm	103.8171 %	97.0036 %	96.2788 %	97.4470 %	94.9043 %	96.1681 %
Concentration RSD	1.4 %	1.3 %	0.2 %	0.2 %	1.4 %	0.3 %	0.3 %

ICP DataTrace 5

7/1/2025 7:30:54 PM



LabBook: WG2085564_07012025T5.imexp

Sample: L2538805-03 WG2085346
 Analysis started at: 7/1/2025 12:24:55 PM
 Comments: <Comment>
 Rack: 1
 Vial: 26

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.0073 ppm	-0.0005 ppm	0.0278 ppm	0.0168 ppm	0.0000 ppm	14.1816 ppm
Concentration per Run 1	0.0000 ppm	0.0087 ppm	-0.0014 ppm	0.0277 ppm	0.0168 ppm	0.0000 ppm	14.1106 ppm
Concentration per Run 2	-0.0003 ppm	0.0109 ppm	0.0003 ppm	0.0278 ppm	0.0168 ppm	0.0001 ppm	14.1898 ppm
Concentration per Run 3	0.0001 ppm	0.0023 ppm	-0.0005 ppm	0.0278 ppm	0.0168 ppm	0.0000 ppm	14.2444 ppm
Concentration RSD	303.7 %	61.4 %	167.7 %	0.3 %	0.1 %	207.7 %	0.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	-0.0001 ppm	0.0015 ppm	0.0008 ppm	0.0029 ppm	1.6427 ppm	0.0029 ppm
Concentration per Run 1	0.0000 ppm	-0.0002 ppm	0.0014 ppm	0.0008 ppm	0.0035 ppm	1.6514 ppm	0.0029 ppm
Concentration per Run 2	-0.0001 ppm	0.0000 ppm	0.0017 ppm	0.0007 ppm	0.0023 ppm	1.6217 ppm	0.0038 ppm
Concentration per Run 3	-0.0001 ppm	-0.0001 ppm	0.0013 ppm	0.0009 ppm	0.0028 ppm	1.6550 ppm	0.0021 ppm
Concentration RSD	13.3 %	172.0 %	13.6 %	12.6 %	20.8 %	1.1 %	29.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	6.2726 ppm	0.0025 ppm	0.0002 ppm	23.7545 ppm	0.0007 ppm	0.0002 ppm	-0.0003 ppm
Concentration per Run 1	6.2767 ppm	0.0024 ppm	0.0003 ppm	23.7167 ppm	0.0008 ppm	0.0004 ppm	0.0010 ppm
Concentration per Run 2	6.2945 ppm	0.0026 ppm	0.0003 ppm	23.7537 ppm	0.0008 ppm	0.0000 ppm	-0.0009 ppm
Concentration per Run 3	6.2467 ppm	0.0026 ppm	0.0001 ppm	23.7932 ppm	0.0005 ppm	0.0001 ppm	-0.0011 ppm
Concentration RSD	0.4 %	4.9 %	34.2 %	0.2 %	22.1 %	107.8 %	345.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0025 ppm	8.3216 ppm	-0.0006 ppm	0.0852 ppm	0.0003 ppm	0.0003 ppm	0.0002 ppm
Concentration per Run 1	0.0024 ppm	8.3349 ppm	-0.0009 ppm	0.0850 ppm	0.0005 ppm	-0.0009 ppm	0.0004 ppm
Concentration per Run 2	0.0016 ppm	8.3198 ppm	0.0000 ppm	0.0854 ppm	0.0002 ppm	0.0001 ppm	0.0001 ppm
Concentration per Run 3	0.0034 ppm	8.3102 ppm	-0.0009 ppm	0.0852 ppm	0.0003 ppm	0.0019 ppm	0.0002 ppm
Concentration RSD	38.1 %	0.1 %	85.4 %	0.2 %	48.8 %	425.7 %	53.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0021 ppm	103.7455 %	97.5119 %	96.8189 %	98.5314 %	96.4816 %	97.0159 %
Concentration per Run 1	0.0021 ppm	104.2615 %	97.5805 %	96.7745 %	98.8855 %	96.3035 %	96.8469 %
Concentration per Run 2	0.0022 ppm	104.1804 %	97.4269 %	96.9014 %	99.0153 %	96.5325 %	96.9274 %
Concentration per Run 3	0.0021 ppm	102.7945 %	97.5284 %	96.7808 %	97.6935 %	96.6088 %	97.2733 %
Concentration RSD	2.5 %	0.8 %	0.1 %	0.1 %	0.7 %	0.2 %	0.2 %

ICP DataTrace 5

7/1/2025 7:30:54 PM



LabBook: WG2085564_07012025T5.imexp

Sample: L2538805-04 WG2085346
 Analysis started at: 7/1/2025 12:31:15 PM
 Comments: <Comment>
 Rack: 1
 Vial: 27

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0002 ppm	0.0119 ppm	0.0006 ppm	0.0094 ppm	0.0418 ppm	0.0000 ppm	9.1179 ppm
Concentration per Run 1	-0.0002 ppm	0.0143 ppm	-0.0005 ppm	0.0097 ppm	0.0407 ppm	0.0000 ppm	8.8968 ppm
Concentration per Run 2	-0.0002 ppm	0.0127 ppm	0.0001 ppm	0.0093 ppm	0.0423 ppm	0.0000 ppm	9.2278 ppm
Concentration per Run 3	-0.0001 ppm	0.0088 ppm	0.0021 ppm	0.0092 ppm	0.0425 ppm	0.0000 ppm	9.2292 ppm
Concentration RSD	34.4 %	23.6 %	229.0 %	3.0 %	2.3 %	85.6 %	2.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0002 ppm	0.0007 ppm	0.0012 ppm	0.0031 ppm	1.1198 ppm	-0.0006 ppm
Concentration per Run 1	0.0000 ppm	-0.0002 ppm	0.0005 ppm	0.0013 ppm	0.0029 ppm	1.1157 ppm	-0.0008 ppm
Concentration per Run 2	0.0000 ppm	-0.0002 ppm	0.0010 ppm	0.0011 ppm	0.0031 ppm	1.1084 ppm	-0.0002 ppm
Concentration per Run 3	0.0000 ppm	-0.0003 ppm	0.0007 ppm	0.0010 ppm	0.0034 ppm	1.1353 ppm	-0.0009 ppm
Concentration RSD	88.0 %	19.7 %	30.7 %	14.1 %	9.1 %	1.2 %	65.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	4.0502 ppm	0.0029 ppm	0.0000 ppm	4.7562 ppm	0.0005 ppm	-0.0002 ppm	-0.0004 ppm
Concentration per Run 1	4.0452 ppm	0.0027 ppm	0.0001 ppm	4.6251 ppm	0.0006 ppm	-0.0006 ppm	0.0001 ppm
Concentration per Run 2	4.0521 ppm	0.0029 ppm	0.0000 ppm	4.8227 ppm	0.0005 ppm	-0.0004 ppm	0.0001 ppm
Concentration per Run 3	4.0534 ppm	0.0031 ppm	-0.0001 ppm	4.8209 ppm	0.0004 ppm	0.0003 ppm	-0.0015 ppm
Concentration RSD	0.1 %	7.3 %	348.7 %	2.4 %	25.6 %	228.0 %	211.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0004 ppm	3.9383 ppm	-0.0003 ppm	0.0404 ppm	0.0003 ppm	-0.0015 ppm	0.0002 ppm
Concentration per Run 1	0.0015 ppm	3.9519 ppm	-0.0003 ppm	0.0393 ppm	0.0004 ppm	-0.0010 ppm	0.0003 ppm
Concentration per Run 2	-0.0004 ppm	3.9382 ppm	-0.0003 ppm	0.0408 ppm	0.0005 ppm	-0.0005 ppm	0.0004 ppm
Concentration per Run 3	0.0000 ppm	3.9250 ppm	-0.0003 ppm	0.0409 ppm	0.0001 ppm	-0.0029 ppm	0.0000 ppm
Concentration RSD	280.4 %	0.3 %	13.7 %	2.2 %	50.4 %	84.6 %	96.5 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0024 ppm	106.0436 %	99.1026 %	98.7204 %	100.4036 %	98.8963 %	97.9356 %
Concentration per Run 1	0.0023 ppm	107.6569 %	99.2389 %	98.5052 %	102.4516 %	98.6025 %	97.9816 %
Concentration per Run 2	0.0024 ppm	105.6242 %	98.8799 %	99.0381 %	99.6706 %	98.8563 %	97.8529 %
Concentration per Run 3	0.0023 ppm	104.8496 %	99.1891 %	98.6180 %	99.0886 %	99.2301 %	97.9721 %
Concentration RSD	2.9 %	1.4 %	0.2 %	0.3 %	1.8 %	0.3 %	0.1 %

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LabBook: WG2085564_07012025T5.imexp

Sample: L2538805-05 WG2085346
 Analysis started at: 7/1/2025 12:37:35 PM
 Comments: <Comment>
 Rack: 1
 Vial: 28

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0002 ppm	0.0109 ppm	0.0006 ppm	0.0091 ppm	0.0066 ppm	0.0000 ppm	18.9187 ppm
Concentration per Run 1	-0.0004 ppm	0.0108 ppm	0.0007 ppm	0.0094 ppm	0.0065 ppm	0.0000 ppm	19.0080 ppm
Concentration per Run 2	-0.0003 ppm	0.0145 ppm	-0.0002 ppm	0.0089 ppm	0.0067 ppm	0.0000 ppm	18.9137 ppm
Concentration per Run 3	0.0001 ppm	0.0073 ppm	0.0012 ppm	0.0090 ppm	0.0066 ppm	0.0000 ppm	18.8343 ppm
Concentration RSD	119.0 %	33.0 %	116.9 %	2.6 %	1.2 %	106.6 %	0.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0000 ppm	0.0003 ppm	0.0007 ppm	0.0418 ppm	0.9546 ppm	0.0030 ppm
Concentration per Run 1	-0.0001 ppm	-0.0001 ppm	0.0002 ppm	0.0007 ppm	0.0418 ppm	0.9322 ppm	0.0038 ppm
Concentration per Run 2	-0.0001 ppm	-0.0001 ppm	0.0003 ppm	0.0008 ppm	0.0417 ppm	0.9747 ppm	0.0024 ppm
Concentration per Run 3	-0.0001 ppm	0.0001 ppm	0.0005 ppm	0.0007 ppm	0.0418 ppm	0.9570 ppm	0.0030 ppm
Concentration RSD	17.0 %	641.6 %	42.5 %	10.1 %	0.2 %	2.2 %	22.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	2.4487 ppm	0.0239 ppm	0.0004 ppm	6.3477 ppm	-0.0001 ppm	0.0001 ppm	-0.0008 ppm
Concentration per Run 1	2.4480 ppm	0.0241 ppm	0.0004 ppm	6.3383 ppm	-0.0002 ppm	-0.0002 ppm	-0.0009 ppm
Concentration per Run 2	2.4381 ppm	0.0238 ppm	0.0003 ppm	6.3599 ppm	-0.0001 ppm	0.0000 ppm	-0.0015 ppm
Concentration per Run 3	2.4599 ppm	0.0239 ppm	0.0003 ppm	6.3447 ppm	0.0000 ppm	0.0006 ppm	-0.0001 ppm
Concentration RSD	0.4 %	0.7 %	18.0 %	0.2 %	93.2 %	402.9 %	86.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0003 ppm	10.8155 ppm	-0.0008 ppm	0.1963 ppm	0.0002 ppm	-0.0015 ppm	0.0009 ppm
Concentration per Run 1	-0.0035 ppm	10.8293 ppm	-0.0007 ppm	0.1961 ppm	0.0003 ppm	-0.0023 ppm	0.0009 ppm
Concentration per Run 2	0.0025 ppm	10.8112 ppm	-0.0014 ppm	0.1968 ppm	0.0003 ppm	0.0003 ppm	0.0011 ppm
Concentration per Run 3	0.0000 ppm	10.8060 ppm	-0.0003 ppm	0.1960 ppm	0.0001 ppm	-0.0025 ppm	0.0008 ppm
Concentration RSD	867.5 %	0.1 %	69.2 %	0.2 %	35.7 %	106.8 %	17.7 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0015 ppm	102.8363 %	98.3110 %	97.4111 %	97.7409 %	97.6287 %	97.5618 %
Concentration per Run 1	0.0015 ppm	102.4682 %	98.3292 %	97.3242 %	97.4164 %	97.3598 %	97.5271 %
Concentration per Run 2	0.0014 ppm	102.4020 %	98.3672 %	97.3773 %	97.5971 %	97.6344 %	97.6168 %
Concentration per Run 3	0.0015 ppm	103.6389 %	98.2366 %	97.5319 %	98.2091 %	97.8918 %	97.5416 %
Concentration RSD	3.3 %	0.7 %	0.1 %	0.1 %	0.4 %	0.3 %	0.0 %

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LabBook: WG2085564_07012025T5.imexp

Sample: L2538805-02 WG2085346
 Analysis started at: 7/1/2025 12:43:55 PM
 Comments: <Comment>
 Rack: 1
 Vial: 16

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0002 ppm	0.0020 ppm	-0.0004 ppm	0.0099 ppm	0.0145 ppm	0.0000 ppm	10.8948 ppm
Concentration per Run 1	-0.0004 ppm	0.0049 ppm	-0.0001 ppm	0.0099 ppm	0.0143 ppm	0.0000 ppm	10.7463 ppm
Concentration per Run 2	0.0002 ppm	0.0009 ppm	-0.0014 ppm	0.0100 ppm	0.0146 ppm	0.0000 ppm	10.9563 ppm
Concentration per Run 3	-0.0002 ppm	0.0003 ppm	0.0004 ppm	0.0099 ppm	0.0146 ppm	0.0000 ppm	10.9818 ppm
Concentration RSD	182.4 %	121.0 %	265.2 %	0.6 %	1.2 %	250.7 %	1.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0001 ppm	0.0030 ppm	0.0010 ppm	0.0044 ppm	0.9449 ppm	0.0030 ppm
Concentration per Run 1	0.0000 ppm	-0.0001 ppm	0.0028 ppm	0.0009 ppm	0.0042 ppm	0.9191 ppm	0.0033 ppm
Concentration per Run 2	0.0000 ppm	-0.0002 ppm	0.0026 ppm	0.0008 ppm	0.0037 ppm	0.9735 ppm	0.0025 ppm
Concentration per Run 3	0.0000 ppm	0.0000 ppm	0.0034 ppm	0.0011 ppm	0.0052 ppm	0.9420 ppm	0.0031 ppm
Concentration RSD	37.3 %	70.5 %	14.2 %	16.4 %	18.0 %	2.9 %	14.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	5.2426 ppm	0.0016 ppm	0.0001 ppm	7.8283 ppm	0.0005 ppm	0.0000 ppm	0.0005 ppm
Concentration per Run 1	5.2341 ppm	0.0016 ppm	0.0002 ppm	7.7161 ppm	0.0004 ppm	-0.0002 ppm	0.0009 ppm
Concentration per Run 2	5.2456 ppm	0.0015 ppm	0.0002 ppm	7.8685 ppm	0.0007 ppm	-0.0001 ppm	0.0005 ppm
Concentration per Run 3	5.2482 ppm	0.0017 ppm	0.0000 ppm	7.9003 ppm	0.0003 ppm	0.0001 ppm	0.0000 ppm
Concentration RSD	0.1 %	8.7 %	55.9 %	1.3 %	52.2 %	369.0 %	93.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0016 ppm	9.4502 ppm	-0.0004 ppm	0.0522 ppm	0.0004 ppm	0.0014 ppm	0.0003 ppm
Concentration per Run 1	0.0001 ppm	9.4596 ppm	-0.0004 ppm	0.0515 ppm	0.0003 ppm	0.0015 ppm	0.0003 ppm
Concentration per Run 2	0.0012 ppm	9.4282 ppm	-0.0006 ppm	0.0525 ppm	0.0005 ppm	0.0020 ppm	0.0003 ppm
Concentration per Run 3	0.0036 ppm	9.4627 ppm	-0.0003 ppm	0.0526 ppm	0.0003 ppm	0.0007 ppm	0.0004 ppm
Concentration RSD	110.2 %	0.2 %	44.9 %	1.2 %	18.6 %	47.1 %	20.8 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0034 ppm	103.4008 %	98.2039 %	97.5057 %	99.2188 %	97.8935 %	97.5192 %
Concentration per Run 1	0.0035 ppm	104.8670 %	98.2335 %	97.4786 %	100.2263 %	97.7675 %	97.4865 %
Concentration per Run 2	0.0033 ppm	102.8245 %	98.1364 %	97.5293 %	98.7957 %	98.0938 %	97.5055 %
Concentration per Run 3	0.0033 ppm	102.5109 %	98.2419 %	97.5093 %	98.6344 %	97.8193 %	97.5657 %
Concentration RSD	3.0 %	1.2 %	0.1 %	0.0 %	0.9 %	0.2 %	0.0 %

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LabBook: WG2085564_07012025T5.imexp

Sample: WG2085346-7 WG2085346
 Analysis started at: 7/1/2025 12:50:16 PM
 Comments: <Comment>
 Rack: 1
 Vial: 17

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0604 ppm	2.3409 ppm	0.1202 ppm	1.0081 ppm	2.2925 ppm	0.0581 ppm	21.2720 ppm
Concentration per Run 1	0.0602 ppm	2.3338 ppm	0.1209 ppm	1.0061 ppm	2.2917 ppm	0.0579 ppm	21.2605 ppm
Concentration per Run 2	0.0602 ppm	2.3443 ppm	0.1210 ppm	1.0094 ppm	2.2722 ppm	0.0582 ppm	21.2575 ppm
Concentration per Run 3	0.0608 ppm	2.3446 ppm	0.1186 ppm	1.0086 ppm	2.3136 ppm	0.0582 ppm	21.2979 ppm
Concentration RSD	0.5 %	0.3 %	1.1 %	0.2 %	0.9 %	0.3 %	0.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0516 ppm	0.5358 ppm	0.2226 ppm	0.2808 ppm	1.0747 ppm	12.0610 ppm	0.0034 ppm
Concentration per Run 1	0.0514 ppm	0.5341 ppm	0.2224 ppm	0.2807 ppm	1.0706 ppm	12.0805 ppm	0.0036 ppm
Concentration per Run 2	0.0516 ppm	0.5365 ppm	0.2225 ppm	0.2809 ppm	1.0747 ppm	12.0814 ppm	0.0032 ppm
Concentration per Run 3	0.0516 ppm	0.5369 ppm	0.2228 ppm	0.2809 ppm	1.0789 ppm	12.0212 ppm	0.0035 ppm
Concentration RSD	0.2 %	0.3 %	0.1 %	0.0 %	0.4 %	0.3 %	5.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	15.5963 ppm	0.5737 ppm	0.9550 ppm	19.4738 ppm	0.5473 ppm	0.5244 ppm	0.4401 ppm
Concentration per Run 1	15.5843 ppm	0.5731 ppm	0.9507 ppm	19.4294 ppm	0.5458 ppm	0.5235 ppm	0.4301 ppm
Concentration per Run 2	15.6006 ppm	0.5750 ppm	0.9564 ppm	19.5464 ppm	0.5477 ppm	0.5250 ppm	0.4408 ppm
Concentration per Run 3	15.6040 ppm	0.5729 ppm	0.9580 ppm	19.4456 ppm	0.5482 ppm	0.5246 ppm	0.4494 ppm
Concentration RSD	0.1 %	0.2 %	0.4 %	0.3 %	0.2 %	0.1 %	2.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1209 ppm	10.9883 ppm	0.9657 ppm	1.1075 ppm	1.0203 ppm	0.1209 ppm	0.5640 ppm
Concentration per Run 1	0.1205 ppm	10.9696 ppm	0.9616 ppm	1.1046 ppm	1.0211 ppm	0.1216 ppm	0.5641 ppm
Concentration per Run 2	0.1201 ppm	11.0009 ppm	0.9666 ppm	1.1114 ppm	1.0190 ppm	0.1218 ppm	0.5643 ppm
Concentration per Run 3	0.1221 ppm	10.9943 ppm	0.9688 ppm	1.1063 ppm	1.0207 ppm	0.1193 ppm	0.5636 ppm
Concentration RSD	0.9 %	0.1 %	0.4 %	0.3 %	0.1 %	1.2 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5506 ppm	103.3987 %	96.8086 %	96.1173 %	97.7071 %	95.6993 %	96.1134 %
Concentration per Run 1	0.5492 ppm	103.5512 %	96.8930 %	96.1308 %	97.8486 %	95.8683 %	96.0456 %
Concentration per Run 2	0.5510 ppm	103.7343 %	96.9006 %	96.1125 %	97.6627 %	95.5942 %	96.2209 %
Concentration per Run 3	0.5515 ppm	102.9107 %	96.6321 %	96.1087 %	97.6099 %	95.6353 %	96.0737 %
Concentration RSD	0.2 %	0.4 %	0.2 %	0.0 %	0.1 %	0.2 %	0.1 %

ICP DataTrace 5

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LabBook: WG2085564_07012025T5.imexp

Sample: WG2085346-8 WG2085346
 Analysis started at: 7/1/2025 12:56:29 PM
 Comments: <Comment>
 Rack: 1
 Vial: 18

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.0033 ppm	-0.0001 ppm	0.0114 ppm	0.0151 ppm	0.0000 ppm	11.2704 ppm
Concentration per Run 1	0.0000 ppm	0.0033 ppm	-0.0001 ppm	0.0115 ppm	0.0151 ppm	0.0000 ppm	11.3015 ppm
Concentration per Run 2	0.0000 ppm	0.0069 ppm	-0.0007 ppm	0.0113 ppm	0.0150 ppm	0.0000 ppm	11.2085 ppm
Concentration per Run 3	-0.0001 ppm	-0.0003 ppm	0.0005 ppm	0.0113 ppm	0.0151 ppm	0.0001 ppm	11.3011 ppm
Concentration RSD	95.8 %	109.5 %	695.1 %	1.4 %	0.6 %	52.2 %	0.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0027 ppm	0.0013 ppm	0.0034 ppm	1.0072 ppm	0.0025 ppm
Concentration per Run 1	0.0000 ppm	0.0001 ppm	0.0025 ppm	0.0012 ppm	0.0038 ppm	1.0069 ppm	0.0018 ppm
Concentration per Run 2	0.0000 ppm	0.0000 ppm	0.0028 ppm	0.0012 ppm	0.0031 ppm	1.0174 ppm	0.0037 ppm
Concentration per Run 3	0.0000 ppm	-0.0001 ppm	0.0028 ppm	0.0014 ppm	0.0032 ppm	0.9974 ppm	0.0020 ppm
Concentration RSD	3,818.1 %	3,030.2 %	6.0 %	9.2 %	10.9 %	1.0 %	42.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	5.4219 ppm	0.0015 ppm	0.0055 ppm	8.2655 ppm	0.0006 ppm	-0.0002 ppm	0.0133 ppm
Concentration per Run 1	5.4188 ppm	0.0017 ppm	0.0060 ppm	8.2870 ppm	0.0005 ppm	-0.0004 ppm	0.0140 ppm
Concentration per Run 2	5.4200 ppm	0.0012 ppm	0.0055 ppm	8.2094 ppm	0.0008 ppm	0.0002 ppm	0.0138 ppm
Concentration per Run 3	5.4267 ppm	0.0018 ppm	0.0050 ppm	8.3002 ppm	0.0006 ppm	-0.0002 ppm	0.0120 ppm
Concentration RSD	0.1 %	18.8 %	9.6 %	0.6 %	25.5 %	191.7 %	8.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0009 ppm	9.6865 ppm	0.0041 ppm	0.0551 ppm	0.0007 ppm	-0.0005 ppm	0.0003 ppm
Concentration per Run 1	-0.0003 ppm	9.7076 ppm	0.0047 ppm	0.0551 ppm	0.0006 ppm	0.0003 ppm	0.0004 ppm
Concentration per Run 2	0.0030 ppm	9.6757 ppm	0.0037 ppm	0.0547 ppm	0.0009 ppm	0.0002 ppm	0.0003 ppm
Concentration per Run 3	0.0001 ppm	9.6761 ppm	0.0038 ppm	0.0554 ppm	0.0005 ppm	-0.0019 ppm	0.0003 ppm
Concentration RSD	192.7 %	0.2 %	13.7 %	0.7 %	33.2 %	255.6 %	8.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0037 ppm	104.1367 %	98.1532 %	97.1372 %	97.5697 %	97.4212 %	96.8198 %
Concentration per Run 1	0.0036 ppm	103.5437 %	98.0078 %	97.0594 %	97.1724 %	97.1394 %	96.7799 %
Concentration per Run 2	0.0037 ppm	105.1184 %	98.1775 %	97.1821 %	98.2426 %	97.6189 %	96.9383 %
Concentration per Run 3	0.0038 ppm	103.7481 %	98.2744 %	97.1703 %	97.2941 %	97.5051 %	96.7413 %
Concentration RSD	2.4 %	0.8 %	0.1 %	0.1 %	0.6 %	0.3 %	0.1 %

ICP DataTrace 5

7/1/2025 7:30:54 PM



LabBook: WG2085564_07012025T5.imexp

Sample: WG2085346-9 WG2085346
 Analysis started at: 7/1/2025 1:02:50 PM
 Comments: <Comment>
 Rack: 1
 Vial: 19

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0586 ppm	2.2120 ppm	0.1183 ppm	1.0004 ppm	2.2006 ppm	0.0550 ppm	20.1667 ppm
Concentration per Run 1	0.0584 ppm	2.2050 ppm	0.1189 ppm	0.9984 ppm	2.1957 ppm	0.0546 ppm	20.1013 ppm
Concentration per Run 2	0.0590 ppm	2.2033 ppm	0.1183 ppm	1.0011 ppm	2.1961 ppm	0.0549 ppm	20.1209 ppm
Concentration per Run 3	0.0583 ppm	2.2276 ppm	0.1178 ppm	1.0016 ppm	2.2101 ppm	0.0553 ppm	20.2778 ppm
Concentration RSD	0.6 %	0.6 %	0.4 %	0.2 %	0.4 %	0.6 %	0.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0497 ppm	0.5158 ppm	0.2147 ppm	0.2703 ppm	1.0218 ppm	11.7141 ppm	0.0029 ppm
Concentration per Run 1	0.0497 ppm	0.5158 ppm	0.2148 ppm	0.2707 ppm	1.0188 ppm	11.6613 ppm	0.0031 ppm
Concentration per Run 2	0.0498 ppm	0.5166 ppm	0.2147 ppm	0.2699 ppm	1.0126 ppm	11.6884 ppm	0.0036 ppm
Concentration per Run 3	0.0497 ppm	0.5151 ppm	0.2146 ppm	0.2704 ppm	1.0339 ppm	11.7927 ppm	0.0021 ppm
Concentration RSD	0.1 %	0.1 %	0.1 %	0.1 %	1.1 %	0.6 %	26.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	15.1925 ppm	0.5426 ppm	0.9401 ppm	18.4785 ppm	0.5268 ppm	0.5126 ppm	0.3929 ppm
Concentration per Run 1	15.1533 ppm	0.5387 ppm	0.9376 ppm	18.3975 ppm	0.5270 ppm	0.5132 ppm	0.3783 ppm
Concentration per Run 2	15.2688 ppm	0.5417 ppm	0.9405 ppm	18.4180 ppm	0.5263 ppm	0.5121 ppm	0.3948 ppm
Concentration per Run 3	15.1555 ppm	0.5474 ppm	0.9423 ppm	18.6200 ppm	0.5271 ppm	0.5125 ppm	0.4056 ppm
Concentration RSD	0.4 %	0.8 %	0.3 %	0.7 %	0.1 %	0.1 %	3.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1166 ppm	10.1661 ppm	0.9582 ppm	1.0760 ppm	1.0103 ppm	0.1174 ppm	0.5431 ppm
Concentration per Run 1	0.1198 ppm	10.1556 ppm	0.9570 ppm	1.0714 ppm	1.0091 ppm	0.1190 ppm	0.5431 ppm
Concentration per Run 2	0.1151 ppm	10.1772 ppm	0.9582 ppm	1.0730 ppm	1.0137 ppm	0.1161 ppm	0.5433 ppm
Concentration per Run 3	0.1148 ppm	10.1653 ppm	0.9594 ppm	1.0836 ppm	1.0081 ppm	0.1172 ppm	0.5428 ppm
Concentration RSD	2.4 %	0.1 %	0.1 %	0.6 %	0.3 %	1.2 %	0.0 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5273 ppm	104.6018 %	96.6336 %	95.8538 %	99.3384 %	95.6444 %	95.5916 %
Concentration per Run 1	0.5270 ppm	105.0922 %	96.5778 %	96.0559 %	99.8348 %	95.6498 %	95.7076 %
Concentration per Run 2	0.5284 ppm	105.0953 %	96.5901 %	95.7313 %	99.4782 %	95.6098 %	95.2318 %
Concentration per Run 3	0.5264 ppm	103.6181 %	96.7330 %	95.7740 %	98.7023 %	95.6736 %	95.8353 %
Concentration RSD	0.2 %	0.8 %	0.1 %	0.2 %	0.6 %	0.0 %	0.3 %

ICP DataTrace 5

7/1/2025 7:30:54 PM



LabBook: WG2085564_07012025T5.imexp

Sample: WG2085346-10d5 WG2085346
 Analysis started at: 7/1/2025 1:08:58 PM
 Comments: <Comment>
 Rack: 1
 Vial: 20

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0043 ppm	0.0004 ppm	0.0038 ppm	0.0029 ppm	0.0000 ppm	2.1930 ppm
Concentration per Run 1	0.0002 ppm	0.0046 ppm	0.0010 ppm	0.0039 ppm	0.0028 ppm	0.0000 ppm	2.1701 ppm
Concentration per Run 2	0.0000 ppm	0.0068 ppm	-0.0003 ppm	0.0040 ppm	0.0030 ppm	0.0000 ppm	2.1972 ppm
Concentration per Run 3	0.0001 ppm	0.0014 ppm	0.0006 ppm	0.0036 ppm	0.0031 ppm	0.0001 ppm	2.2118 ppm
Concentration RSD	137.7 %	63.8 %	157.9 %	6.1 %	5.3 %	155.3 %	1.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0002 ppm	0.0005 ppm	0.0006 ppm	0.0031 ppm	0.2186 ppm	0.0004 ppm
Concentration per Run 1	0.0000 ppm	-0.0002 ppm	0.0005 ppm	0.0006 ppm	0.0031 ppm	0.2111 ppm	0.0007 ppm
Concentration per Run 2	0.0000 ppm	-0.0002 ppm	0.0006 ppm	0.0006 ppm	0.0035 ppm	0.2074 ppm	0.0005 ppm
Concentration per Run 3	0.0000 ppm	-0.0001 ppm	0.0004 ppm	0.0006 ppm	0.0026 ppm	0.2372 ppm	0.0001 ppm
Concentration RSD	103.9 %	16.5 %	21.6 %	4.5 %	14.2 %	7.4 %	71.8 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	1.0542 ppm	0.0004 ppm	0.0065 ppm	1.5936 ppm	0.0001 ppm	0.0001 ppm	0.0269 ppm
Concentration per Run 1	1.0498 ppm	0.0003 ppm	0.0074 ppm	1.5778 ppm	0.0002 ppm	0.0004 ppm	0.0290 ppm
Concentration per Run 2	1.0605 ppm	0.0004 ppm	0.0064 ppm	1.6007 ppm	0.0001 ppm	0.0003 ppm	0.0269 ppm
Concentration per Run 3	1.0523 ppm	0.0004 ppm	0.0057 ppm	1.6024 ppm	0.0002 ppm	-0.0002 ppm	0.0249 ppm
Concentration RSD	0.5 %	19.6 %	13.4 %	0.9 %	48.0 %	197.6 %	7.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0018 ppm	1.8573 ppm	0.0061 ppm	0.0107 ppm	0.0006 ppm	0.0016 ppm	0.0001 ppm
Concentration per Run 1	0.0021 ppm	1.8578 ppm	0.0066 ppm	0.0106 ppm	0.0007 ppm	0.0021 ppm	0.0002 ppm
Concentration per Run 2	0.0035 ppm	1.8561 ppm	0.0061 ppm	0.0107 ppm	0.0007 ppm	0.0016 ppm	0.0002 ppm
Concentration per Run 3	-0.0003 ppm	1.8580 ppm	0.0055 ppm	0.0108 ppm	0.0004 ppm	0.0011 ppm	0.0000 ppm
Concentration RSD	107.5 %	0.1 %	9.7 %	0.8 %	27.2 %	32.4 %	71.8 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0009 ppm	103.6707 %	99.1181 %	98.3671 %	98.3028 %	99.0839 %	98.0887 %
Concentration per Run 1	0.0008 ppm	105.0221 %	99.0807 %	98.2979 %	99.4187 %	99.0592 %	98.0498 %
Concentration per Run 2	0.0009 ppm	103.4934 %	99.0487 %	98.3553 %	98.0274 %	99.2157 %	97.9229 %
Concentration per Run 3	0.0010 ppm	102.4965 %	99.2250 %	98.4481 %	97.4622 %	98.9768 %	98.2933 %
Concentration RSD	9.6 %	1.2 %	0.1 %	0.1 %	1.0 %	0.1 %	0.2 %

ICP DataTrace 5

7/1/2025 7:30:54 PM



LabBook: WG2085564_07012025T5.imexp

Sample: CCV
 Analysis started at: 7/1/2025 1:15:21 PM
 Comments: <Comment>
 Rack: 0
 Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.5325 ppm	0.4951 ppm	0.4824 ppm	0.4941 ppm	0.4993 ppm	0.5104 ppm	0.4986 ppm
Concentration per Run 1	0.5336 ppm	0.4864 ppm	0.4808 ppm	0.4943 ppm	0.4929 ppm	0.5035 ppm	0.4906 ppm
Concentration per Run 2	0.5328 ppm	0.4984 ppm	0.4835 ppm	0.4946 ppm	0.4997 ppm	0.5121 ppm	0.4969 ppm
Concentration per Run 3	0.5310 ppm	0.5004 ppm	0.4829 ppm	0.4935 ppm	0.5053 ppm	0.5157 ppm	0.5083 ppm
Recovery Percentage 1	106.491 %	99.017 %	96.482 %	98.829 %	99.858 %	102.084 %	99.719 %
Concentration RSD	0.2 %	1.5 %	0.3 %	0.1 %	1.2 %	1.2 %	1.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4884 ppm	0.4992 ppm	0.5021 ppm	0.5070 ppm	0.4718 ppm	5.3634 ppm	0.5190 ppm
Concentration per Run 1	0.4871 ppm	0.4981 ppm	0.5020 ppm	0.5073 ppm	0.4621 ppm	5.3008 ppm	0.5121 ppm
Concentration per Run 2	0.4890 ppm	0.5003 ppm	0.5032 ppm	0.5075 ppm	0.4748 ppm	5.3818 ppm	0.5215 ppm
Concentration per Run 3	0.4891 ppm	0.4992 ppm	0.5012 ppm	0.5064 ppm	0.4784 ppm	5.4075 ppm	0.5234 ppm
Recovery Percentage 1	97.675 %	99.845 %	100.425 %	101.408 %	94.353 %	107.267 %	103.806 %
Concentration RSD	0.2 %	0.2 %	0.2 %	0.1 %	1.8 %	1.0 %	1.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5226 ppm	0.5138 ppm	0.4952 ppm	10.4269 ppm	0.5071 ppm	0.5071 ppm	0.5254 ppm
Concentration per Run 1	0.5206 ppm	0.5058 ppm	0.4940 ppm	10.3069 ppm	0.5067 ppm	0.5063 ppm	0.5288 ppm
Concentration per Run 2	0.5236 ppm	0.5151 ppm	0.4964 ppm	10.4460 ppm	0.5077 ppm	0.5076 ppm	0.5264 ppm
Concentration per Run 3	0.5238 ppm	0.5205 ppm	0.4952 ppm	10.5278 ppm	0.5069 ppm	0.5073 ppm	0.5209 ppm
Recovery Percentage 1	104.528 %	102.762 %	99.041 %	104.269 %	101.422 %	101.410 %	105.073 %
Concentration RSD	0.3 %	1.4 %	0.2 %	1.1 %	0.1 %	0.1 %	0.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4921 ppm	5.5069 ppm	0.5086 ppm	0.5182 ppm	0.5099 ppm	0.5241 ppm	0.5076 ppm
Concentration per Run 1	0.4921 ppm	5.4992 ppm	0.5085 ppm	0.5119 ppm	0.5096 ppm	0.5238 ppm	0.5066 ppm
Concentration per Run 2	0.4906 ppm	5.5179 ppm	0.5098 ppm	0.5193 ppm	0.5107 ppm	0.5249 ppm	0.5075 ppm
Concentration per Run 3	0.4937 ppm	5.5034 ppm	0.5074 ppm	0.5235 ppm	0.5095 ppm	0.5236 ppm	0.5087 ppm
Recovery Percentage 1	98.426 %	104.892 %	101.718 %	103.650 %	101.984 %	104.819 %	101.522 %
Concentration RSD	0.3 %	0.2 %	0.2 %	1.1 %	0.1 %	0.1 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4968 ppm	104.5985 %	97.8143 %	96.8970 %	98.7236 %	96.4120 %	96.9112 %
Concentration per Run 1	0.4957 ppm	106.4854 %	98.0837 %	96.9858 %	100.0796 %	96.5339 %	97.0753 %
Concentration per Run 2	0.4972 ppm	104.2743 %	97.5197 %	96.8861 %	98.7013 %	96.2152 %	96.6054 %
Concentration per Run 3	0.4975 ppm	103.0358 %	97.8394 %	96.8189 %	97.3899 %	96.4868 %	97.0530 %
Recovery Percentage 1	99.360 %						
Concentration RSD	0.2 %	1.7 %	0.3 %	0.1 %	1.4 %	0.2 %	0.3 %

ICP DataTrace 5

7/1/2025 7:30:54 PM



LabBook: WG2085564_07012025T5.imexp

Sample: CCB
 Analysis started at: 7/1/2025 1:21:29 PM
 Comments: <Comment>
 Rack: 0
 Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0004 ppm	0.0059 ppm	0.0004 ppm	0.0019 ppm	0.0001 ppm	0.0001 ppm	0.0114 ppm
Concentration per Run 1	0.0005 ppm	0.0112 ppm	0.0008 ppm	0.0016 ppm	0.0002 ppm	0.0001 ppm	0.0083 ppm
Concentration per Run 2	0.0005 ppm	0.0036 ppm	0.0005 ppm	0.0023 ppm	0.0000 ppm	0.0001 ppm	0.0155 ppm
Concentration per Run 3	0.0001 ppm	0.0029 ppm	-0.0001 ppm	0.0018 ppm	0.0001 ppm	0.0000 ppm	0.0105 ppm
Recovery Percentage 1	5.691 %	5.858 %	8.401 %	6.437 %	1.135 %	1.060 %	11.422 %
Concentration RSD	55.2 %	78.5 %	107.2 %	18.3 %	65.4 %	46.1 %	32.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0002 ppm	0.0000 ppm	0.0006 ppm	0.0002 ppm	0.0155 ppm	-0.0005 ppm
Concentration per Run 1	0.0000 ppm	-0.0002 ppm	-0.0002 ppm	0.0006 ppm	0.0015 ppm	0.0275 ppm	-0.0013 ppm
Concentration per Run 2	0.0000 ppm	-0.0001 ppm	0.0002 ppm	0.0006 ppm	-0.0008 ppm	0.0060 ppm	0.0004 ppm
Concentration per Run 3	0.0000 ppm	-0.0001 ppm	0.0000 ppm	0.0006 ppm	-0.0002 ppm	0.0129 ppm	-0.0008 ppm
Recovery Percentage 1	-0.146 %	-0.847 %	0.118 %	6.320 %	0.379 %	0.619 %	-5.459 %
Concentration RSD	105.9 %	40.2 %	1,772.7 %	3.7 %	628.8 %	70.9 %	162.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	-0.0002 ppm	0.0000 ppm	0.0023 ppm	0.0257 ppm	0.0000 ppm	-0.0004 ppm	0.0026 ppm
Concentration per Run 1	0.0010 ppm	0.0001 ppm	0.0025 ppm	0.0269 ppm	0.0001 ppm	0.0000 ppm	0.0030 ppm
Concentration per Run 2	-0.0024 ppm	0.0000 ppm	0.0023 ppm	0.0205 ppm	-0.0001 ppm	-0.0011 ppm	0.0033 ppm
Concentration per Run 3	0.0009 ppm	-0.0003 ppm	0.0020 ppm	0.0296 ppm	0.0000 ppm	-0.0002 ppm	0.0015 ppm
Recovery Percentage 1	-0.161 %	-0.479 %	4.581 %	1.284 %	0.043 %	-4.170 %	5.201 %
Concentration RSD	1,184.4 %	399.7 %	11.7 %	18.2 %	617.0 %	139.5 %	36.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0019 ppm	-0.0003 ppm	0.0009 ppm	0.0001 ppm	0.0004 ppm	-0.0001 ppm	0.0001 ppm
Concentration per Run 1	0.0018 ppm	-0.0005 ppm	0.0010 ppm	0.0000 ppm	0.0005 ppm	-0.0006 ppm	-0.0001 ppm
Concentration per Run 2	0.0032 ppm	0.0000 ppm	0.0004 ppm	0.0001 ppm	0.0002 ppm	0.0000 ppm	0.0002 ppm
Concentration per Run 3	0.0007 ppm	-0.0004 ppm	0.0012 ppm	0.0001 ppm	0.0004 ppm	0.0002 ppm	0.0002 ppm
Recovery Percentage 1	19.094 %	-0.063 %	1.768 %	0.733 %	3.722 %	-0.527 %	1.085 %
Concentration RSD	63.5 %	89.5 %	49.4 %	53.6 %	46.9 %	394.5 %	146.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0003 ppm	101.8516 %	98.6430 %	97.3573 %	94.5235 %	97.5936 %	96.4256 %
Concentration per Run 1	0.0002 ppm	101.1690 %	98.7370 %	97.3216 %	93.7402 %	97.6606 %	96.4535 %
Concentration per Run 2	0.0003 ppm	101.5710 %	98.5350 %	97.4158 %	94.1243 %	97.5899 %	96.3091 %
Concentration per Run 3	0.0003 ppm	102.8147 %	98.6569 %	97.3344 %	95.7060 %	97.5304 %	96.5142 %
Recovery Percentage 1	5.325 %						
Concentration RSD	21.6 %	0.8 %	0.1 %	0.1 %	1.1 %	0.1 %	0.1 %

ICP DataTrace 5

7/1/2025 7:30:54 PM



LabBook: WG2085564_07012025T5.imexp

Sample: WG2085603-1 WG2085603
 Analysis started at: 7/1/2025 1:28:43 PM
 Comments: <Comment>
 Rack: 1
 Vial: 30

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0057 ppm	-0.0004 ppm	0.0014 ppm	0.0001 ppm	0.0000 ppm	0.0069 ppm
Concentration per Run 1	-0.0001 ppm	0.0090 ppm	-0.0016 ppm	0.0013 ppm	0.0001 ppm	0.0001 ppm	0.0039 ppm
Concentration per Run 2	0.0002 ppm	0.0068 ppm	0.0011 ppm	0.0014 ppm	0.0001 ppm	0.0000 ppm	0.0112 ppm
Concentration per Run 3	-0.0002 ppm	0.0013 ppm	-0.0007 ppm	0.0016 ppm	0.0000 ppm	0.0000 ppm	0.0056 ppm
Recovery Percentage 1	-0.568 %	5.687 %	-7.827 %	4.796 %	0.605 %	0.450 %	6.888 %
Concentration RSD	549.2 %	69.3 %	354.4 %	9.8 %	56.3 %	108.2 %	55.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0001 ppm	0.0002 ppm	0.0004 ppm	0.0006 ppm	0.0014 ppm	0.0004 ppm
Concentration per Run 1	0.0000 ppm	-0.0002 ppm	0.0001 ppm	0.0004 ppm	-0.0007 ppm	-0.0017 ppm	0.0008 ppm
Concentration per Run 2	0.0000 ppm	-0.0001 ppm	0.0005 ppm	0.0002 ppm	0.0014 ppm	0.0060 ppm	0.0004 ppm
Concentration per Run 3	-0.0001 ppm	-0.0001 ppm	0.0000 ppm	0.0005 ppm	0.0013 ppm	-0.0002 ppm	-0.0001 ppm
Recovery Percentage 1	-0.810 %	-0.496 %	2.162 %	3.988 %	1.281 %	0.056 %	4.113 %
Concentration RSD	61.6 %	49.1 %	121.8 %	34.2 %	187.3 %	294.6 %	109.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0021 ppm	0.0002 ppm	0.0007 ppm	0.0137 ppm	0.0003 ppm	-0.0004 ppm	-0.0002 ppm
Concentration per Run 1	0.0017 ppm	0.0003 ppm	0.0007 ppm	0.0120 ppm	0.0005 ppm	-0.0005 ppm	-0.0003 ppm
Concentration per Run 2	0.0018 ppm	0.0002 ppm	0.0005 ppm	0.0138 ppm	0.0002 ppm	-0.0001 ppm	0.0005 ppm
Concentration per Run 3	0.0029 ppm	0.0001 ppm	0.0009 ppm	0.0152 ppm	0.0004 ppm	-0.0006 ppm	-0.0007 ppm
Recovery Percentage 1	2.115 %	2.073 %	1.381 %	0.683 %	1.398 %	-3.739 %	-0.324 %
Concentration RSD	32.9 %	53.9 %	25.6 %	11.9 %	32.0 %	73.9 %	397.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0019 ppm	0.0114 ppm	-0.0001 ppm	0.0001 ppm	0.0001 ppm	0.0006 ppm	0.0001 ppm
Concentration per Run 1	0.0010 ppm	0.0106 ppm	-0.0002 ppm	0.0001 ppm	0.0001 ppm	-0.0011 ppm	0.0002 ppm
Concentration per Run 2	0.0019 ppm	0.0114 ppm	-0.0001 ppm	0.0001 ppm	0.0000 ppm	0.0018 ppm	0.0002 ppm
Concentration per Run 3	0.0027 ppm	0.0122 ppm	-0.0001 ppm	0.0001 ppm	0.0003 ppm	0.0012 ppm	0.0000 ppm
Recovery Percentage 1	18.642 %	2.284 %	-0.288 %	0.878 %	1.476 %	3.181 %	1.411 %
Concentration RSD	44.5 %	7.2 %	41.0 %	37.8 %	97.4 %	240.1 %	73.7 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0005 ppm	103.8551 %	98.8303 %	97.4207 %	97.6773 %	99.1611 %	97.2298 %
Concentration per Run 1	0.0005 ppm	104.4706 %	98.9469 %	97.2501 %	98.4666 %	99.2226 %	97.3581 %
Concentration per Run 2	0.0005 ppm	104.0705 %	98.8790 %	97.5791 %	97.8066 %	99.1010 %	97.2772 %
Concentration per Run 3	0.0005 ppm	103.0241 %	98.6650 %	97.4329 %	96.7587 %	99.1596 %	97.0540 %
Recovery Percentage 1	9.836 %						
Concentration RSD	3.3 %	0.7 %	0.1 %	0.2 %	0.9 %	0.1 %	0.2 %

ICP DataTrace 5

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LabBook: WG2085564_07012025T5.imexp

Sample: WG2085603-2 WG2085603
 Analysis started at: 7/1/2025 1:35:08 PM
 Comments: <Comment>
 Rack: 1
 Vial: 31

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0595 ppm	2.1599 ppm	0.1192 ppm	0.9856 ppm	2.2971 ppm	0.0568 ppm	10.2760 ppm
Concentration per Run 1	0.0593 ppm	2.1644 ppm	0.1185 ppm	0.9860 ppm	2.3151 ppm	0.0573 ppm	10.3503 ppm
Concentration per Run 2	0.0599 ppm	2.1641 ppm	0.1191 ppm	0.9855 ppm	2.3010 ppm	0.0566 ppm	10.2506 ppm
Concentration per Run 3	0.0592 ppm	2.1513 ppm	0.1201 ppm	0.9852 ppm	2.2751 ppm	0.0565 ppm	10.2270 ppm
Concentration RSD	0.6 %	0.3 %	0.7 %	0.0 %	0.9 %	0.7 %	0.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0510 ppm	0.5313 ppm	0.2183 ppm	0.2762 ppm	1.0774 ppm	10.4599 ppm	0.0002 ppm
Concentration per Run 1	0.0511 ppm	0.5309 ppm	0.2185 ppm	0.2757 ppm	1.0815 ppm	10.5012 ppm	0.0007 ppm
Concentration per Run 2	0.0510 ppm	0.5317 ppm	0.2178 ppm	0.2768 ppm	1.0764 ppm	10.4722 ppm	0.0004 ppm
Concentration per Run 3	0.0509 ppm	0.5313 ppm	0.2186 ppm	0.2761 ppm	1.0743 ppm	10.4064 ppm	-0.0004 ppm
Concentration RSD	0.2 %	0.1 %	0.2 %	0.2 %	0.3 %	0.5 %	229.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	10.2651 ppm	0.5701 ppm	0.9622 ppm	11.3870 ppm	0.5397 ppm	0.5290 ppm	0.4308 ppm
Concentration per Run 1	10.2788 ppm	0.5740 ppm	0.9602 ppm	11.4813 ppm	0.5398 ppm	0.5296 ppm	0.4213 ppm
Concentration per Run 2	10.2318 ppm	0.5700 ppm	0.9633 ppm	11.3898 ppm	0.5407 ppm	0.5294 ppm	0.4307 ppm
Concentration per Run 3	10.2848 ppm	0.5662 ppm	0.9629 ppm	11.2899 ppm	0.5385 ppm	0.5282 ppm	0.4405 ppm
Concentration RSD	0.3 %	0.7 %	0.2 %	0.8 %	0.2 %	0.1 %	2.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1198 ppm	1.1356 ppm	0.9652 ppm	1.0855 ppm	1.0275 ppm	0.1201 ppm	0.5550 ppm
Concentration per Run 1	0.1178 ppm	1.1358 ppm	0.9650 ppm	1.0941 ppm	1.0282 ppm	0.1203 ppm	0.5554 ppm
Concentration per Run 2	0.1217 ppm	1.1367 ppm	0.9651 ppm	1.0852 ppm	1.0256 ppm	0.1214 ppm	0.5540 ppm
Concentration per Run 3	0.1199 ppm	1.1344 ppm	0.9654 ppm	1.0772 ppm	1.0286 ppm	0.1186 ppm	0.5557 ppm
Concentration RSD	1.6 %	0.1 %	0.0 %	0.8 %	0.2 %	1.2 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5357 ppm	102.1414 %	96.5814 %	95.4289 %	96.8620 %	96.1402 %	96.3211 %
Concentration per Run 1	0.5355 ppm	101.9824 %	96.3804 %	95.6604 %	96.3111 %	96.1766 %	96.1096 %
Concentration per Run 2	0.5363 ppm	102.2493 %	96.7331 %	95.3706 %	97.0115 %	96.1166 %	96.4477 %
Concentration per Run 3	0.5353 ppm	102.1925 %	96.6308 %	95.2556 %	97.2635 %	96.1273 %	96.4059 %
Concentration RSD	0.1 %	0.1 %	0.2 %	0.2 %	0.5 %	0.0 %	0.2 %

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LabBook: WG2085564_07012025T5.imexp

Sample: L2540281-02 WG2085603
 Analysis started at: 7/1/2025 1:41:20 PM
 Comments: <Comment>
 Rack: 1
 Vial: 37

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.0856 ppm	0.0095 ppm	0.0786 ppm	0.1666 ppm	0.0000 ppm	49.5323 ppm
Concentration per Run 1	0.0000 ppm	0.0868 ppm	0.0104 ppm	0.0791 ppm	0.1692 ppm	0.0000 ppm	50.2180 ppm
Concentration per Run 2	-0.0003 ppm	0.0829 ppm	0.0071 ppm	0.0775 ppm	0.1658 ppm	0.0000 ppm	49.4514 ppm
Concentration per Run 3	0.0000 ppm	0.0872 ppm	0.0109 ppm	0.0791 ppm	0.1647 ppm	0.0000 ppm	48.9275 ppm
Concentration RSD	149.5 %	2.8 %	21.7 %	1.2 %	1.4 %	533.5 %	1.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0002 ppm	0.0005 ppm	0.0002 ppm	0.0008 ppm	0.0051 ppm	4.1516 ppm	0.0070 ppm
Concentration per Run 1	-0.0002 ppm	0.0005 ppm	0.0002 ppm	0.0008 ppm	0.0058 ppm	4.1910 ppm	0.0071 ppm
Concentration per Run 2	-0.0002 ppm	0.0004 ppm	0.0003 ppm	0.0008 ppm	0.0044 ppm	4.1574 ppm	0.0067 ppm
Concentration per Run 3	-0.0003 ppm	0.0005 ppm	0.0001 ppm	0.0007 ppm	0.0053 ppm	4.1063 ppm	0.0071 ppm
Concentration RSD	5.0 %	11.7 %	56.1 %	10.1 %	14.0 %	1.0 %	3.8 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	10.1090 ppm	0.0124 ppm	0.0146 ppm	71.5853 ppm	0.0017 ppm	-0.0004 ppm	0.0168 ppm
Concentration per Run 1	10.0647 ppm	0.0126 ppm	0.0154 ppm	72.8384 ppm	0.0017 ppm	-0.0004 ppm	0.0179 ppm
Concentration per Run 2	10.1299 ppm	0.0124 ppm	0.0145 ppm	71.2617 ppm	0.0018 ppm	-0.0002 ppm	0.0174 ppm
Concentration per Run 3	10.1325 ppm	0.0123 ppm	0.0138 ppm	70.6558 ppm	0.0016 ppm	-0.0005 ppm	0.0151 ppm
Concentration RSD	0.4 %	1.0 %	5.4 %	1.6 %	6.7 %	35.9 %	8.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0026 ppm	8.8110 ppm	0.0038 ppm	0.3735 ppm	0.0006 ppm	0.0006 ppm	0.0038 ppm
Concentration per Run 1	0.0018 ppm	8.8272 ppm	0.0038 ppm	0.3802 ppm	0.0006 ppm	0.0023 ppm	0.0036 ppm
Concentration per Run 2	0.0047 ppm	8.7923 ppm	0.0038 ppm	0.3717 ppm	0.0006 ppm	0.0005 ppm	0.0042 ppm
Concentration per Run 3	0.0014 ppm	8.8134 ppm	0.0038 ppm	0.3687 ppm	0.0007 ppm	-0.0012 ppm	0.0038 ppm
Concentration RSD	69.7 %	0.2 %	0.8 %	1.6 %	8.4 %	317.7 %	7.6 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0019 ppm	101.4684 %	94.0446 %	93.1040 %	95.4035 %	91.2719 %	93.6514 %
Concentration per Run 1	0.0018 ppm	100.9627 %	94.3786 %	93.1261 %	94.4541 %	91.1792 %	94.0659 %
Concentration per Run 2	0.0020 ppm	101.3066 %	93.9043 %	93.1417 %	95.4806 %	91.4503 %	93.5555 %
Concentration per Run 3	0.0020 ppm	102.1361 %	93.8508 %	93.0442 %	96.2757 %	91.1860 %	93.3326 %
Concentration RSD	6.9 %	0.6 %	0.3 %	0.1 %	1.0 %	0.2 %	0.4 %

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LabBook: WG2085564_07012025T5.imexp

Sample: L2538805-06 WG2085346
 Analysis started at: 7/1/2025 1:47:40 PM
 Comments: <Comment>
 Rack: 1
 Vial: 29

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0004 ppm	0.0078 ppm	-0.0003 ppm	0.0016 ppm	0.0007 ppm	0.0000 ppm	0.0179 ppm
Concentration per Run 1	-0.0001 ppm	0.0076 ppm	0.0005 ppm	0.0016 ppm	0.0007 ppm	0.0000 ppm	0.0223 ppm
Concentration per Run 2	-0.0005 ppm	0.0063 ppm	-0.0019 ppm	0.0016 ppm	0.0006 ppm	0.0000 ppm	0.0157 ppm
Concentration per Run 3	-0.0005 ppm	0.0094 ppm	0.0005 ppm	0.0016 ppm	0.0007 ppm	0.0000 ppm	0.0156 ppm
Concentration RSD	64.9 %	20.2 %	421.0 %	1.8 %	8.0 %	55.3 %	21.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0002 ppm	0.0000 ppm	0.0006 ppm	0.0024 ppm	0.0347 ppm	-0.0003 ppm
Concentration per Run 1	0.0000 ppm	-0.0003 ppm	0.0001 ppm	0.0006 ppm	0.0038 ppm	0.0427 ppm	-0.0004 ppm
Concentration per Run 2	0.0000 ppm	-0.0001 ppm	0.0000 ppm	0.0006 ppm	0.0022 ppm	0.0148 ppm	-0.0001 ppm
Concentration per Run 3	0.0000 ppm	-0.0003 ppm	0.0000 ppm	0.0004 ppm	0.0011 ppm	0.0467 ppm	-0.0003 ppm
Concentration RSD	156.5 %	44.2 %	969.6 %	21.8 %	58.2 %	50.0 %	64.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0020 ppm	0.0001 ppm	0.0016 ppm	0.0733 ppm	0.0001 ppm	0.0001 ppm	0.0059 ppm
Concentration per Run 1	0.0018 ppm	0.0000 ppm	0.0018 ppm	0.0768 ppm	0.0000 ppm	-0.0005 ppm	0.0053 ppm
Concentration per Run 2	0.0030 ppm	0.0001 ppm	0.0017 ppm	0.0725 ppm	0.0000 ppm	0.0007 ppm	0.0055 ppm
Concentration per Run 3	0.0011 ppm	0.0001 ppm	0.0014 ppm	0.0706 ppm	0.0001 ppm	0.0000 ppm	0.0068 ppm
Concentration RSD	49.8 %	50.9 %	11.0 %	4.3 %	118.0 %	989.3 %	13.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0019 ppm	0.0185 ppm	0.0009 ppm	0.0016 ppm	0.0001 ppm	0.0008 ppm	0.0002 ppm
Concentration per Run 1	0.0029 ppm	0.0185 ppm	0.0012 ppm	0.0016 ppm	0.0000 ppm	-0.0008 ppm	0.0005 ppm
Concentration per Run 2	0.0011 ppm	0.0184 ppm	0.0005 ppm	0.0016 ppm	0.0001 ppm	0.0002 ppm	0.0001 ppm
Concentration per Run 3	0.0016 ppm	0.0184 ppm	0.0010 ppm	0.0014 ppm	0.0002 ppm	0.0029 ppm	0.0000 ppm
Concentration RSD	49.5 %	0.3 %	42.0 %	8.1 %	80.2 %	253.1 %	111.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0003 ppm	103.2096 %	98.8407 %	97.2781 %	96.0731 %	98.9752 %	97.3054 %
Concentration per Run 1	0.0003 ppm	102.1459 %	98.9738 %	97.2728 %	95.0319 %	99.1588 %	97.2950 %
Concentration per Run 2	0.0003 ppm	103.8878 %	98.8633 %	97.3869 %	96.7813 %	98.8723 %	97.4557 %
Concentration per Run 3	0.0003 ppm	103.5951 %	98.6852 %	97.1747 %	96.4060 %	98.8943 %	97.1654 %
Concentration RSD	3.6 %	0.9 %	0.1 %	0.1 %	1.0 %	0.2 %	0.1 %

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LabBook: WG2085564_07012025T5.imexp

Sample: L2540281-01 WG2085603
 Analysis started at: 7/1/2025 1:54:06 PM
 Comments: <Comment>
 Rack: 1
 Vial: 32

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0709 ppm	0.0091 ppm	0.0639 ppm	0.1501 ppm	0.0000 ppm	48.4360 ppm
Concentration per Run 1	-0.0002 ppm	0.0707 ppm	0.0098 ppm	0.0640 ppm	0.1496 ppm	0.0000 ppm	48.3273 ppm
Concentration per Run 2	-0.0001 ppm	0.0698 ppm	0.0099 ppm	0.0634 ppm	0.1502 ppm	0.0000 ppm	48.6516 ppm
Concentration per Run 3	0.0001 ppm	0.0723 ppm	0.0077 ppm	0.0643 ppm	0.1506 ppm	0.0000 ppm	48.3291 ppm
Concentration RSD	548.5 %	1.8 %	13.9 %	0.7 %	0.3 %	192.9 %	0.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0002 ppm	0.0005 ppm	0.0002 ppm	0.0009 ppm	0.0033 ppm	4.0703 ppm	0.0060 ppm
Concentration per Run 1	-0.0002 ppm	0.0006 ppm	0.0003 ppm	0.0007 ppm	0.0028 ppm	4.0704 ppm	0.0063 ppm
Concentration per Run 2	-0.0002 ppm	0.0004 ppm	0.0001 ppm	0.0010 ppm	0.0041 ppm	4.0666 ppm	0.0054 ppm
Concentration per Run 3	-0.0003 ppm	0.0005 ppm	0.0003 ppm	0.0010 ppm	0.0030 ppm	4.0741 ppm	0.0063 ppm
Concentration RSD	10.8 %	16.3 %	50.6 %	21.7 %	22.3 %	0.1 %	8.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	10.0881 ppm	0.0159 ppm	0.0063 ppm	70.5412 ppm	0.0015 ppm	-0.0002 ppm	0.0029 ppm
Concentration per Run 1	10.0578 ppm	0.0157 ppm	0.0063 ppm	70.3021 ppm	0.0014 ppm	-0.0007 ppm	0.0038 ppm
Concentration per Run 2	10.0682 ppm	0.0160 ppm	0.0065 ppm	70.6025 ppm	0.0016 ppm	0.0000 ppm	0.0030 ppm
Concentration per Run 3	10.1384 ppm	0.0159 ppm	0.0063 ppm	70.7190 ppm	0.0015 ppm	0.0001 ppm	0.0018 ppm
Concentration RSD	0.4 %	0.9 %	1.6 %	0.3 %	6.0 %	246.8 %	34.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0009 ppm	8.8904 ppm	0.0006 ppm	0.3513 ppm	0.0003 ppm	-0.0003 ppm	0.0035 ppm
Concentration per Run 1	0.0016 ppm	8.8787 ppm	0.0008 ppm	0.3495 ppm	0.0003 ppm	-0.0008 ppm	0.0035 ppm
Concentration per Run 2	0.0007 ppm	8.8569 ppm	0.0003 ppm	0.3513 ppm	0.0002 ppm	-0.0004 ppm	0.0035 ppm
Concentration per Run 3	0.0004 ppm	8.9356 ppm	0.0006 ppm	0.3531 ppm	0.0003 ppm	0.0001 ppm	0.0035 ppm
Concentration RSD	66.8 %	0.5 %	48.0 %	0.5 %	18.9 %	137.4 %	0.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0024 ppm	102.2418 %	93.8891 %	92.5158 %	95.8431 %	91.0886 %	93.1324 %
Concentration per Run 1	0.0024 ppm	101.9716 %	93.9032 %	92.7370 %	95.9677 %	91.2815 %	93.3189 %
Concentration per Run 2	0.0024 ppm	101.7158 %	93.8355 %	92.6424 %	95.2779 %	91.3261 %	93.0913 %
Concentration per Run 3	0.0023 ppm	103.0381 %	93.9285 %	92.1681 %	96.2838 %	90.6581 %	92.9869 %
Concentration RSD	2.6 %	0.7 %	0.1 %	0.3 %	0.5 %	0.4 %	0.2 %

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7/1/2025 7:30:54 PM



LabBook: WG2085564_07012025T5.imexp

Sample: WG2085603-3 WG2085603
 Analysis started at: 7/1/2025 2:00:27 PM
 Comments: <Comment>
 Rack: 1
 Vial: 33

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0602 ppm	2.1702 ppm	0.1366 ppm	1.1033 ppm	2.3925 ppm	0.0565 ppm	58.5442 ppm
Concentration per Run 1	0.0601 ppm	2.1623 ppm	0.1372 ppm	1.1020 ppm	2.3660 ppm	0.0564 ppm	58.3667 ppm
Concentration per Run 2	0.0603 ppm	2.1794 ppm	0.1377 ppm	1.1042 ppm	2.4126 ppm	0.0565 ppm	58.5647 ppm
Concentration per Run 3	0.0604 ppm	2.1690 ppm	0.1348 ppm	1.1036 ppm	2.3988 ppm	0.0565 ppm	58.7012 ppm
Concentration RSD	0.3 %	0.4 %	1.2 %	0.1 %	1.0 %	0.1 %	0.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0511 ppm	0.5305 ppm	0.2144 ppm	0.2749 ppm	1.0416 ppm	14.7332 ppm	0.0060 ppm
Concentration per Run 1	0.0510 ppm	0.5293 ppm	0.2144 ppm	0.2748 ppm	1.0363 ppm	14.7074 ppm	0.0055 ppm
Concentration per Run 2	0.0511 ppm	0.5312 ppm	0.2136 ppm	0.2751 ppm	1.0434 ppm	14.7866 ppm	0.0073 ppm
Concentration per Run 3	0.0512 ppm	0.5312 ppm	0.2151 ppm	0.2747 ppm	1.0451 ppm	14.7057 ppm	0.0052 ppm
Concentration RSD	0.2 %	0.2 %	0.4 %	0.1 %	0.4 %	0.3 %	19.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	20.3137 ppm	0.5663 ppm	0.9963 ppm	82.1583 ppm	0.5393 ppm	0.5303 ppm	0.4393 ppm
Concentration per Run 1	20.2749 ppm	0.5643 ppm	0.9926 ppm	81.9652 ppm	0.5388 ppm	0.5303 ppm	0.4286 ppm
Concentration per Run 2	20.2643 ppm	0.5677 ppm	0.9969 ppm	82.3065 ppm	0.5396 ppm	0.5305 ppm	0.4412 ppm
Concentration per Run 3	20.4018 ppm	0.5670 ppm	0.9993 ppm	82.2031 ppm	0.5396 ppm	0.5300 ppm	0.4481 ppm
Concentration RSD	0.4 %	0.3 %	0.3 %	0.2 %	0.1 %	0.0 %	2.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1247 ppm	10.1765 ppm	0.9821 ppm	1.4315 ppm	1.0404 ppm	0.1187 ppm	0.5580 ppm
Concentration per Run 1	0.1245 ppm	10.1696 ppm	0.9796 ppm	1.4290 ppm	1.0386 ppm	0.1191 ppm	0.5567 ppm
Concentration per Run 2	0.1235 ppm	10.1834 ppm	0.9833 ppm	1.4347 ppm	1.0387 ppm	0.1178 ppm	0.5572 ppm
Concentration per Run 3	0.1260 ppm	10.1764 ppm	0.9834 ppm	1.4308 ppm	1.0439 ppm	0.1193 ppm	0.5600 ppm
Concentration RSD	1.0 %	0.1 %	0.2 %	0.2 %	0.3 %	0.7 %	0.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5453 ppm	102.0267 %	93.4085 %	92.3702 %	95.6165 %	90.4246 %	92.3554 %
Concentration per Run 1	0.5441 ppm	102.7290 %	93.3155 %	92.4229 %	96.2517 %	90.5206 %	92.4108 %
Concentration per Run 2	0.5455 ppm	101.5319 %	93.6820 %	92.3979 %	95.3721 %	90.3825 %	92.5483 %
Concentration per Run 3	0.5462 ppm	101.8193 %	93.2281 %	92.2900 %	95.2258 %	90.3707 %	92.1070 %
Concentration RSD	0.2 %	0.6 %	0.3 %	0.1 %	0.6 %	0.1 %	0.2 %

ICP DataTrace 5

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LabBook: WG2085564_07012025T5.imexp

Sample: WG2085603-4 WG2085603
 Analysis started at: 7/1/2025 2:06:41 PM
 Comments: <Comment>
 Rack: 1
 Vial: 34

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0002 ppm	0.0751 ppm	0.0085 ppm	0.0649 ppm	0.1507 ppm	0.0000 ppm	48.5355 ppm
Concentration per Run 1	-0.0002 ppm	0.0705 ppm	0.0114 ppm	0.0648 ppm	0.1501 ppm	0.0000 ppm	48.1557 ppm
Concentration per Run 2	-0.0002 ppm	0.0810 ppm	0.0076 ppm	0.0651 ppm	0.1509 ppm	0.0000 ppm	48.6354 ppm
Concentration per Run 3	-0.0001 ppm	0.0737 ppm	0.0064 ppm	0.0649 ppm	0.1510 ppm	0.0000 ppm	48.8153 ppm
Concentration RSD	56.8 %	7.1 %	30.4 %	0.2 %	0.3 %	121.1 %	0.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0002 ppm	0.0006 ppm	0.0004 ppm	0.0010 ppm	0.0062 ppm	4.0966 ppm	0.0055 ppm
Concentration per Run 1	-0.0002 ppm	0.0007 ppm	0.0007 ppm	0.0012 ppm	0.0067 ppm	4.0710 ppm	0.0055 ppm
Concentration per Run 2	-0.0003 ppm	0.0006 ppm	0.0002 ppm	0.0009 ppm	0.0063 ppm	4.0843 ppm	0.0059 ppm
Concentration per Run 3	-0.0003 ppm	0.0006 ppm	0.0004 ppm	0.0009 ppm	0.0056 ppm	4.1345 ppm	0.0051 ppm
Concentration RSD	5.7 %	12.1 %	59.4 %	19.0 %	9.4 %	0.8 %	6.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	10.0940 ppm	0.0120 ppm	0.0117 ppm	71.0671 ppm	0.0017 ppm	0.0000 ppm	0.0179 ppm
Concentration per Run 1	10.0892 ppm	0.0120 ppm	0.0125 ppm	70.8004 ppm	0.0015 ppm	0.0004 ppm	0.0190 ppm
Concentration per Run 2	10.0932 ppm	0.0119 ppm	0.0117 ppm	71.1908 ppm	0.0019 ppm	-0.0006 ppm	0.0186 ppm
Concentration per Run 3	10.0995 ppm	0.0121 ppm	0.0110 ppm	71.2102 ppm	0.0016 ppm	0.0003 ppm	0.0161 ppm
Concentration RSD	0.1 %	0.7 %	6.3 %	0.3 %	13.4 %	12,197.6 %	8.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0019 ppm	8.9025 ppm	0.0047 ppm	0.3548 ppm	0.0008 ppm	-0.0007 ppm	0.0035 ppm
Concentration per Run 1	0.0021 ppm	8.8883 ppm	0.0053 ppm	0.3537 ppm	0.0008 ppm	-0.0006 ppm	0.0037 ppm
Concentration per Run 2	0.0029 ppm	8.9181 ppm	0.0048 ppm	0.3556 ppm	0.0007 ppm	-0.0002 ppm	0.0033 ppm
Concentration per Run 3	0.0008 ppm	8.9012 ppm	0.0040 ppm	0.3552 ppm	0.0008 ppm	-0.0014 ppm	0.0035 ppm
Concentration RSD	53.9 %	0.2 %	13.7 %	0.3 %	8.1 %	79.0 %	5.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0025 ppm	102.6875 %	93.9303 %	92.7252 %	95.3410 %	91.0414 %	92.8488 %
Concentration per Run 1	0.0025 ppm	104.0794 %	94.0703 %	92.7308 %	96.4621 %	91.1647 %	92.7876 %
Concentration per Run 2	0.0025 ppm	102.4069 %	93.7687 %	92.7513 %	95.0185 %	90.9755 %	92.7679 %
Concentration per Run 3	0.0024 ppm	101.5761 %	93.9521 %	92.6935 %	94.5424 %	90.9841 %	92.9911 %
Concentration RSD	3.0 %	1.2 %	0.2 %	0.0 %	1.0 %	0.1 %	0.1 %

ICP DataTrace 5

7/1/2025 7:30:54 PM



LabBook: WG2085564_07012025T5.imexp

Sample: WG2085603-5 WG2085603
 Analysis started at: 7/1/2025 2:13:03 PM
 Comments: <Comment>
 Rack: 1
 Vial: 35

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0590 ppm	2.1450 ppm	0.1311 ppm	1.0741 ppm	2.3923 ppm	0.0565 ppm	57.6046 ppm
Concentration per Run 1	0.0589 ppm	2.1725 ppm	0.1298 ppm	1.0743 ppm	2.4039 ppm	0.0570 ppm	58.0203 ppm
Concentration per Run 2	0.0594 ppm	2.1496 ppm	0.1321 ppm	1.0722 ppm	2.4252 ppm	0.0567 ppm	57.7745 ppm
Concentration per Run 3	0.0588 ppm	2.1127 ppm	0.1313 ppm	1.0757 ppm	2.3477 ppm	0.0559 ppm	57.0190 ppm
Concentration RSD	0.5 %	1.4 %	0.9 %	0.2 %	1.7 %	1.0 %	0.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0499 ppm	0.5202 ppm	0.2102 ppm	0.2691 ppm	1.0292 ppm	14.5561 ppm	0.0060 ppm
Concentration per Run 1	0.0500 ppm	0.5202 ppm	0.2100 ppm	0.2683 ppm	1.0444 ppm	14.7339 ppm	0.0057 ppm
Concentration per Run 2	0.0498 ppm	0.5202 ppm	0.2104 ppm	0.2696 ppm	1.0285 ppm	14.5699 ppm	0.0062 ppm
Concentration per Run 3	0.0499 ppm	0.5201 ppm	0.2103 ppm	0.2694 ppm	1.0146 ppm	14.3646 ppm	0.0061 ppm
Concentration RSD	0.2 %	0.0 %	0.1 %	0.3 %	1.4 %	1.3 %	4.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	19.7704 ppm	0.5696 ppm	0.9669 ppm	81.0880 ppm	0.5277 ppm	0.5110 ppm	0.4127 ppm
Concentration per Run 1	19.7774 ppm	0.5733 ppm	0.9653 ppm	81.6689 ppm	0.5283 ppm	0.5112 ppm	0.3954 ppm
Concentration per Run 2	19.7710 ppm	0.5728 ppm	0.9667 ppm	81.5241 ppm	0.5278 ppm	0.5108 ppm	0.4133 ppm
Concentration per Run 3	19.7629 ppm	0.5628 ppm	0.9688 ppm	80.0709 ppm	0.5271 ppm	0.5109 ppm	0.4294 ppm
Concentration RSD	0.0 %	1.0 %	0.2 %	1.1 %	0.1 %	0.0 %	4.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1212 ppm	9.5721 ppm	0.9625 ppm	1.4252 ppm	1.0133 ppm	0.1149 ppm	0.5472 ppm
Concentration per Run 1	0.1215 ppm	9.5793 ppm	0.9591 ppm	1.4321 ppm	1.0115 ppm	0.1149 ppm	0.5466 ppm
Concentration per Run 2	0.1195 ppm	9.5739 ppm	0.9643 ppm	1.4341 ppm	1.0137 ppm	0.1173 ppm	0.5473 ppm
Concentration per Run 3	0.1225 ppm	9.5631 ppm	0.9640 ppm	1.4093 ppm	1.0146 ppm	0.1124 ppm	0.5476 ppm
Concentration RSD	1.3 %	0.1 %	0.3 %	1.0 %	0.2 %	2.1 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5345 ppm	101.0956 %	93.4544 %	92.4511 %	94.1843 %	90.5162 %	92.0006 %
Concentration per Run 1	0.5350 ppm	100.2110 %	93.3511 %	92.4205 %	93.9482 %	90.4753 %	91.9703 %
Concentration per Run 2	0.5346 ppm	100.8741 %	93.4836 %	92.4995 %	93.5503 %	90.5722 %	91.9163 %
Concentration per Run 3	0.5338 ppm	102.2017 %	93.5283 %	92.4334 %	95.0543 %	90.5010 %	92.1153 %
Concentration RSD	0.1 %	1.0 %	0.1 %	0.0 %	0.8 %	0.1 %	0.1 %

ICP DataTrace 5

7/1/2025 7:30:54 PM



LabBook: WG2085564_07012025T5.imexp

Sample: WG2085603-6D5 WG2085603
 Analysis started at: 7/1/2025 2:19:18 PM
 Comments: <Comment>
 Rack: 1
 Vial: 36

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0188 ppm	0.0019 ppm	0.0149 ppm	0.0307 ppm	0.0001 ppm	9.7056 ppm
Concentration per Run 1	0.0002 ppm	0.0196 ppm	0.0029 ppm	0.0148 ppm	0.0306 ppm	0.0000 ppm	9.7351 ppm
Concentration per Run 2	0.0002 ppm	0.0144 ppm	0.0017 ppm	0.0149 ppm	0.0307 ppm	0.0001 ppm	9.6799 ppm
Concentration per Run 3	0.0000 ppm	0.0223 ppm	0.0011 ppm	0.0149 ppm	0.0308 ppm	0.0001 ppm	9.7017 ppm
Concentration RSD	81.1 %	21.3 %	48.0 %	0.2 %	0.4 %	61.8 %	0.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0000 ppm	-0.0003 ppm	0.0005 ppm	0.0024 ppm	0.8217 ppm	0.0012 ppm
Concentration per Run 1	-0.0001 ppm	0.0000 ppm	-0.0003 ppm	0.0006 ppm	0.0028 ppm	0.8255 ppm	-0.0004 ppm
Concentration per Run 2	-0.0001 ppm	0.0000 ppm	-0.0004 ppm	0.0006 ppm	0.0023 ppm	0.7971 ppm	0.0022 ppm
Concentration per Run 3	-0.0001 ppm	0.0000 ppm	-0.0001 ppm	0.0002 ppm	0.0020 ppm	0.8425 ppm	0.0018 ppm
Concentration RSD	2.1 %	302.6 %	72.2 %	44.2 %	16.4 %	2.8 %	119.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	2.0835 ppm	0.0032 ppm	0.0075 ppm	14.0619 ppm	0.0006 ppm	-0.0006 ppm	0.0260 ppm
Concentration per Run 1	2.0779 ppm	0.0032 ppm	0.0081 ppm	14.1015 ppm	0.0008 ppm	-0.0002 ppm	0.0288 ppm
Concentration per Run 2	2.0894 ppm	0.0032 ppm	0.0075 ppm	14.0628 ppm	0.0006 ppm	-0.0007 ppm	0.0258 ppm
Concentration per Run 3	2.0832 ppm	0.0032 ppm	0.0069 ppm	14.0213 ppm	0.0003 ppm	-0.0007 ppm	0.0233 ppm
Concentration RSD	0.3 %	0.1 %	7.7 %	0.3 %	50.7 %	55.9 %	10.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0009 ppm	1.7172 ppm	0.0068 ppm	0.0716 ppm	0.0007 ppm	-0.0001 ppm	0.0009 ppm
Concentration per Run 1	0.0014 ppm	1.7164 ppm	0.0079 ppm	0.0717 ppm	0.0008 ppm	0.0001 ppm	0.0008 ppm
Concentration per Run 2	0.0020 ppm	1.7214 ppm	0.0067 ppm	0.0714 ppm	0.0006 ppm	0.0010 ppm	0.0010 ppm
Concentration per Run 3	-0.0007 ppm	1.7137 ppm	0.0059 ppm	0.0716 ppm	0.0006 ppm	-0.0014 ppm	0.0010 ppm
Concentration RSD	162.7 %	0.2 %	14.2 %	0.2 %	17.8 %	1,116.1 %	11.7 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0006 ppm	103.3196 %	96.5350 %	95.1470 %	96.0430 %	96.5513 %	95.3404 %
Concentration per Run 1	0.0006 ppm	103.6801 %	96.5780 %	95.2824 %	95.9205 %	96.6408 %	95.3899 %
Concentration per Run 2	0.0007 ppm	103.7430 %	96.3683 %	95.0029 %	96.2575 %	96.2852 %	95.1685 %
Concentration per Run 3	0.0006 ppm	102.5359 %	96.6588 %	95.1557 %	95.9509 %	96.7279 %	95.4627 %
Concentration RSD	9.8 %	0.7 %	0.2 %	0.1 %	0.2 %	0.2 %	0.2 %

ICP DataTrace 5

7/1/2025 7:30:54 PM



LabBook: WG2085564_07012025T5.imexp

Sample: CCV
 Analysis started at: 7/1/2025 2:25:41 PM
 Comments: <Comment>
 Rack: 0
 Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.5433 ppm	0.5099 ppm	0.4832 ppm	0.4986 ppm	0.5170 ppm	0.5220 ppm	0.5121 ppm
Concentration per Run 1	0.5426 ppm	0.5126 ppm	0.4812 ppm	0.4987 ppm	0.5214 ppm	0.5264 ppm	0.5149 ppm
Concentration per Run 2	0.5433 ppm	0.5150 ppm	0.4840 ppm	0.4989 ppm	0.5154 ppm	0.5208 ppm	0.5093 ppm
Concentration per Run 3	0.5438 ppm	0.5019 ppm	0.4845 ppm	0.4981 ppm	0.5143 ppm	0.5190 ppm	0.5120 ppm
Recovery Percentage 1	108.653 %	101.972 %	96.649 %	99.713 %	103.410 %	104.410 %	102.418 %
Concentration RSD	0.1 %	1.4 %	0.4 %	0.1 %	0.7 %	0.7 %	0.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4895 ppm	0.5022 ppm	0.5025 ppm	0.5100 ppm	0.4840 ppm	5.1346 ppm	0.5391 ppm
Concentration per Run 1	0.4898 ppm	0.5022 ppm	0.5021 ppm	0.5105 ppm	0.4871 ppm	5.1532 ppm	0.5448 ppm
Concentration per Run 2	0.4890 ppm	0.5020 ppm	0.5027 ppm	0.5100 ppm	0.4831 ppm	5.1536 ppm	0.5367 ppm
Concentration per Run 3	0.4898 ppm	0.5024 ppm	0.5028 ppm	0.5094 ppm	0.4818 ppm	5.0971 ppm	0.5357 ppm
Recovery Percentage 1	97.909 %	100.445 %	100.501 %	101.997 %	96.797 %	102.692 %	107.818 %
Concentration RSD	0.1 %	0.0 %	0.1 %	0.1 %	0.6 %	0.6 %	0.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5212 ppm	0.5301 ppm	0.4939 ppm	10.7363 ppm	0.5062 ppm	0.5062 ppm	0.5311 ppm
Concentration per Run 1	0.5212 ppm	0.5343 ppm	0.4935 ppm	10.8376 ppm	0.5064 ppm	0.5057 ppm	0.5337 ppm
Concentration per Run 2	0.5244 ppm	0.5291 ppm	0.4937 ppm	10.7038 ppm	0.5052 ppm	0.5053 ppm	0.5307 ppm
Concentration per Run 3	0.5181 ppm	0.5268 ppm	0.4944 ppm	10.6675 ppm	0.5069 ppm	0.5078 ppm	0.5289 ppm
Recovery Percentage 1	104.246 %	106.018 %	98.774 %	107.363 %	101.235 %	101.250 %	106.216 %
Concentration RSD	0.6 %	0.7 %	0.1 %	0.8 %	0.2 %	0.3 %	0.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4925 ppm	5.5195 ppm	0.5079 ppm	0.5459 ppm	0.5121 ppm	0.5153 ppm	0.5078 ppm
Concentration per Run 1	0.4956 ppm	5.5129 ppm	0.5084 ppm	0.5501 ppm	0.5122 ppm	0.5130 ppm	0.5084 ppm
Concentration per Run 2	0.4879 ppm	5.5168 ppm	0.5077 ppm	0.5444 ppm	0.5125 ppm	0.5163 ppm	0.5084 ppm
Concentration per Run 3	0.4939 ppm	5.5288 ppm	0.5077 ppm	0.5433 ppm	0.5117 ppm	0.5167 ppm	0.5068 ppm
Recovery Percentage 1	98.492 %	105.133 %	101.584 %	109.185 %	102.425 %	103.068 %	101.568 %
Concentration RSD	0.8 %	0.1 %	0.1 %	0.7 %	0.1 %	0.4 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4977 ppm	101.6212 %	96.9049 %	95.4922 %	95.0713 %	95.5730 %	95.7349 %
Concentration per Run 1	0.4978 ppm	100.9668 %	96.9377 %	95.5547 %	94.3684 %	95.5872 %	95.6721 %
Concentration per Run 2	0.4977 ppm	101.3842 %	96.8527 %	95.3327 %	94.9365 %	95.6624 %	95.6780 %
Concentration per Run 3	0.4975 ppm	102.5126 %	96.9243 %	95.5893 %	95.9089 %	95.4695 %	95.8545 %
Recovery Percentage 1	99.534 %						
Concentration RSD	0.0 %	0.8 %	0.0 %	0.1 %	0.8 %	0.1 %	0.1 %

ICP DataTrace 5

7/1/2025 7:30:54 PM



LabBook: WG2085564_07012025T5.imexp

Sample: CCB
 Analysis started at: 7/1/2025 2:31:49 PM
 Comments: <Comment>
 Rack: 0
 Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.0053 ppm	0.0001 ppm	0.0024 ppm	0.0001 ppm	0.0001 ppm	0.0093 ppm
Concentration per Run 1	-0.0001 ppm	0.0061 ppm	-0.0022 ppm	0.0025 ppm	0.0002 ppm	0.0001 ppm	0.0095 ppm
Concentration per Run 2	-0.0001 ppm	0.0088 ppm	0.0008 ppm	0.0023 ppm	0.0001 ppm	0.0001 ppm	0.0072 ppm
Concentration per Run 3	0.0000 ppm	0.0010 ppm	0.0015 ppm	0.0023 ppm	0.0001 ppm	0.0001 ppm	0.0111 ppm
Recovery Percentage 1	-1.127 %	5.299 %	1.118 %	7.900 %	1.331 %	1.981 %	9.263 %
Concentration RSD	95.2 %	75.1 %	3,499.2 %	3.3 %	40.6 %	13.1 %	20.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0002 ppm	-0.0002 ppm	0.0005 ppm	0.0011 ppm	0.0321 ppm	0.0001 ppm
Concentration per Run 1	0.0000 ppm	-0.0002 ppm	0.0000 ppm	0.0005 ppm	0.0008 ppm	0.0314 ppm	0.0009 ppm
Concentration per Run 2	0.0000 ppm	-0.0001 ppm	-0.0002 ppm	0.0004 ppm	0.0019 ppm	0.0271 ppm	-0.0002 ppm
Concentration per Run 3	0.0000 ppm	-0.0001 ppm	-0.0003 ppm	0.0004 ppm	0.0007 ppm	0.0379 ppm	-0.0003 ppm
Recovery Percentage 1	-0.280 %	-0.770 %	-1.653 %	4.742 %	2.296 %	1.286 %	1.244 %
Concentration RSD	138.3 %	34.9 %	68.7 %	13.2 %	56.0 %	16.9 %	537.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	-0.0002 ppm	0.0001 ppm	0.0023 ppm	0.0376 ppm	0.0003 ppm	-0.0001 ppm	0.0029 ppm
Concentration per Run 1	-0.0020 ppm	0.0002 ppm	0.0026 ppm	0.0321 ppm	0.0003 ppm	-0.0005 ppm	0.0034 ppm
Concentration per Run 2	0.0005 ppm	0.0001 ppm	0.0021 ppm	0.0390 ppm	0.0003 ppm	-0.0001 ppm	0.0020 ppm
Concentration per Run 3	0.0009 ppm	0.0000 ppm	0.0022 ppm	0.0416 ppm	0.0003 ppm	0.0002 ppm	0.0034 ppm
Recovery Percentage 1	-0.205 %	1.041 %	4.611 %	1.879 %	1.194 %	-1.208 %	5.831 %
Concentration RSD	764.9 %	118.9 %	12.9 %	13.1 %	13.5 %	325.9 %	27.9 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0014 ppm	0.0005 ppm	0.0009 ppm	0.0001 ppm	0.0002 ppm	0.0002 ppm	0.0001 ppm
Concentration per Run 1	0.0030 ppm	0.0011 ppm	0.0009 ppm	0.0001 ppm	0.0003 ppm	0.0007 ppm	0.0000 ppm
Concentration per Run 2	0.0002 ppm	-0.0003 ppm	0.0003 ppm	0.0001 ppm	0.0002 ppm	0.0008 ppm	0.0000 ppm
Concentration per Run 3	0.0009 ppm	0.0006 ppm	0.0016 ppm	0.0002 ppm	0.0002 ppm	-0.0008 ppm	0.0004 ppm
Recovery Percentage 1	13.735 %	0.093 %	1.850 %	1.444 %	2.390 %	1.002 %	1.068 %
Concentration RSD	103.7 %	154.8 %	70.0 %	39.5 %	6.0 %	447.3 %	198.9 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0004 ppm	101.6742 %	97.6133 %	96.1347 %	92.7890 %	96.8089 %	95.3225 %
Concentration per Run 1	0.0004 ppm	100.3226 %	97.7324 %	96.1702 %	91.3235 %	96.9977 %	95.4010 %
Concentration per Run 2	0.0004 ppm	102.1717 %	97.4804 %	96.0327 %	93.1770 %	96.9599 %	95.1463 %
Concentration per Run 3	0.0003 ppm	102.5284 %	97.6271 %	96.2013 %	93.8664 %	96.4689 %	95.4203 %
Recovery Percentage 1	7.245 %						
Concentration RSD	19.2 %	1.2 %	0.1 %	0.1 %	1.4 %	0.3 %	0.2 %

ICP DataTrace 5

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LabBook: WG2085564_07012025T5.imexp

Sample: WG2085769-1 WG2085769
 Analysis started at: 7/1/2025 2:55:24 PM
 Comments: <Comment>
 Rack: 1
 Vial: 38

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.0102 ppm	-0.0002 ppm	0.0060 ppm	0.0001 ppm	0.0000 ppm	0.0176 ppm
Concentration per Run 1	-0.0004 ppm	0.0096 ppm	0.0008 ppm	0.0059 ppm	0.0001 ppm	0.0000 ppm	0.0171 ppm
Concentration per Run 2	0.0002 ppm	0.0135 ppm	0.0004 ppm	0.0064 ppm	0.0002 ppm	0.0000 ppm	0.0173 ppm
Concentration per Run 3	-0.0002 ppm	0.0075 ppm	-0.0018 ppm	0.0059 ppm	0.0002 ppm	0.0000 ppm	0.0185 ppm
Concentration RSD	196.4 %	30.0 %	680.9 %	5.2 %	23.8 %	216.5 %	4.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0002 ppm	0.0001 ppm	0.0010 ppm	0.0053 ppm	0.1369 ppm	0.0028 ppm
Concentration per Run 1	0.0000 ppm	-0.0004 ppm	0.0004 ppm	0.0009 ppm	0.0058 ppm	0.1263 ppm	0.0020 ppm
Concentration per Run 2	0.0000 ppm	-0.0001 ppm	-0.0001 ppm	0.0012 ppm	0.0044 ppm	0.1313 ppm	0.0031 ppm
Concentration per Run 3	0.0000 ppm	-0.0001 ppm	0.0001 ppm	0.0010 ppm	0.0057 ppm	0.1533 ppm	0.0035 ppm
Concentration RSD	1,356.1 %	95.3 %	264.0 %	17.6 %	15.1 %	10.5 %	26.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0047 ppm	0.0001 ppm	0.0007 ppm	148.4675 ppm	-0.0001 ppm	-0.0006 ppm	0.0053 ppm
Concentration per Run 1	0.0028 ppm	0.0001 ppm	0.0007 ppm	146.9905 ppm	0.0000 ppm	-0.0010 ppm	0.0070 ppm
Concentration per Run 2	0.0044 ppm	0.0000 ppm	0.0006 ppm	149.7882 ppm	-0.0002 ppm	-0.0002 ppm	0.0040 ppm
Concentration per Run 3	0.0068 ppm	0.0003 ppm	0.0007 ppm	148.6238 ppm	0.0000 ppm	-0.0007 ppm	0.0048 ppm
Concentration RSD	42.9 %	95.9 %	3.4 %	0.9 %	158.5 %	60.1 %	29.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0013 ppm	0.0437 ppm	0.0021 ppm	0.0001 ppm	0.0003 ppm	-0.0024 ppm	0.0000 ppm
Concentration per Run 1	-0.0001 ppm	0.0431 ppm	0.0018 ppm	0.0001 ppm	0.0002 ppm	-0.0014 ppm	-0.0002 ppm
Concentration per Run 2	0.0026 ppm	0.0432 ppm	0.0029 ppm	0.0001 ppm	0.0005 ppm	-0.0036 ppm	0.0002 ppm
Concentration per Run 3	0.0014 ppm	0.0447 ppm	0.0017 ppm	0.0001 ppm	0.0003 ppm	-0.0022 ppm	0.0001 ppm
Concentration RSD	101.7 %	2.0 %	30.0 %	35.8 %	33.0 %	46.7 %	526.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0012 ppm	101.8485 %	91.9325 %	91.9273 %	93.9723 %	86.3691 %	90.4867 %
Concentration per Run 1	0.0012 ppm	101.8224 %	91.8873 %	91.7355 %	94.8927 %	86.2795 %	90.4940 %
Concentration per Run 2	0.0012 ppm	102.2036 %	91.9192 %	91.7085 %	93.7420 %	86.2855 %	90.4562 %
Concentration per Run 3	0.0012 ppm	101.5194 %	91.9909 %	92.3378 %	93.2822 %	86.5425 %	90.5098 %
Concentration RSD	3.8 %	0.3 %	0.1 %	0.4 %	0.9 %	0.2 %	0.0 %

ICP DataTrace 5

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LabBook: WG2085564_07012025T5.imexp

Sample: WG2085769-2 WG2085769
 Analysis started at: 7/1/2025 3:01:57 PM
 Comments: <Comment>
 Rack: 1
 Vial: 39

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0578 ppm	2.2474 ppm	0.1124 ppm	0.9371 ppm	2.2332 ppm	0.0557 ppm	9.4213 ppm
Concentration per Run 1	0.0579 ppm	2.2265 ppm	0.1125 ppm	0.9392 ppm	2.2033 ppm	0.0548 ppm	9.2876 ppm
Concentration per Run 2	0.0577 ppm	2.2645 ppm	0.1119 ppm	0.9376 ppm	2.2489 ppm	0.0560 ppm	9.4667 ppm
Concentration per Run 3	0.0577 ppm	2.2511 ppm	0.1129 ppm	0.9346 ppm	2.2475 ppm	0.0563 ppm	9.5096 ppm
Concentration RSD	0.2 %	0.9 %	0.5 %	0.3 %	1.2 %	1.4 %	1.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0507 ppm	0.5347 ppm	0.2159 ppm	0.2714 ppm	1.0294 ppm	9.5037 ppm	0.0014 ppm
Concentration per Run 1	0.0508 ppm	0.5353 ppm	0.2158 ppm	0.2715 ppm	1.0202 ppm	9.4196 ppm	0.0015 ppm
Concentration per Run 2	0.0507 ppm	0.5350 ppm	0.2164 ppm	0.2704 ppm	1.0304 ppm	9.5279 ppm	0.0025 ppm
Concentration per Run 3	0.0507 ppm	0.5337 ppm	0.2155 ppm	0.2722 ppm	1.0374 ppm	9.5636 ppm	0.0002 ppm
Concentration RSD	0.1 %	0.2 %	0.2 %	0.3 %	0.8 %	0.8 %	83.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	9.5821 ppm	0.5492 ppm	0.9632 ppm	10.4765 ppm	0.5500 ppm	0.5081 ppm	0.4960 ppm
Concentration per Run 1	9.5747 ppm	0.5403 ppm	0.9619 ppm	10.3055 ppm	0.5494 ppm	0.5071 ppm	0.4965 ppm
Concentration per Run 2	9.5922 ppm	0.5528 ppm	0.9640 ppm	10.5678 ppm	0.5497 ppm	0.5090 ppm	0.4955 ppm
Concentration per Run 3	9.5795 ppm	0.5545 ppm	0.9637 ppm	10.5562 ppm	0.5507 ppm	0.5083 ppm	0.4960 ppm
Concentration RSD	0.1 %	1.4 %	0.1 %	1.4 %	0.1 %	0.2 %	0.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1112 ppm	1.3312 ppm	0.9545 ppm	1.0030 ppm	0.9771 ppm	0.1155 ppm	0.5538 ppm
Concentration per Run 1	0.1103 ppm	1.3345 ppm	0.9528 ppm	0.9870 ppm	0.9774 ppm	0.1155 ppm	0.5536 ppm
Concentration per Run 2	0.1104 ppm	1.3342 ppm	0.9547 ppm	1.0120 ppm	0.9766 ppm	0.1145 ppm	0.5546 ppm
Concentration per Run 3	0.1128 ppm	1.3248 ppm	0.9560 ppm	1.0101 ppm	0.9774 ppm	0.1164 ppm	0.5532 ppm
Concentration RSD	1.3 %	0.4 %	0.2 %	1.4 %	0.1 %	0.8 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5364 ppm	102.1992 %	95.7903 %	94.9359 %	95.5801 %	91.5416 %	94.1119 %
Concentration per Run 1	0.5357 ppm	102.7564 %	95.8213 %	95.0238 %	96.8048 %	91.6030 %	94.0600 %
Concentration per Run 2	0.5363 ppm	102.4741 %	95.7778 %	94.7684 %	95.3052 %	91.4692 %	94.0884 %
Concentration per Run 3	0.5371 ppm	101.3670 %	95.7716 %	95.0154 %	94.6302 %	91.5526 %	94.1873 %
Concentration RSD	0.1 %	0.7 %	0.0 %	0.2 %	1.2 %	0.1 %	0.1 %

ICP DataTrace 5

7/1/2025 7:30:54 PM



LabBook: WG2085564_07012025T5.imexp

Sample: I2538908-01 WG2085769
 Analysis started at: 7/1/2025 3:08:05 PM
 Comments: <Comment>
 Rack: 1
 Vial: 40

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0002 ppm	0.0202 ppm	-0.0004 ppm	0.0236 ppm	0.0282 ppm	0.0000 ppm	38.1495 ppm
Concentration per Run 1	-0.0002 ppm	0.0217 ppm	0.0005 ppm	0.0232 ppm	0.0283 ppm	0.0000 ppm	38.0651 ppm
Concentration per Run 2	-0.0001 ppm	0.0193 ppm	-0.0006 ppm	0.0240 ppm	0.0281 ppm	0.0000 ppm	38.1712 ppm
Concentration per Run 3	-0.0002 ppm	0.0195 ppm	-0.0012 ppm	0.0236 ppm	0.0282 ppm	0.0000 ppm	38.2122 ppm
Concentration RSD	44.7 %	6.5 %	203.2 %	1.7 %	0.3 %	105.8 %	0.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0000 ppm	0.0003 ppm	0.0013 ppm	0.0190 ppm	0.7274 ppm	0.0035 ppm
Concentration per Run 1	0.0000 ppm	0.0000 ppm	0.0002 ppm	0.0014 ppm	0.0193 ppm	0.7157 ppm	0.0040 ppm
Concentration per Run 2	-0.0001 ppm	0.0001 ppm	0.0005 ppm	0.0013 ppm	0.0196 ppm	0.7124 ppm	0.0035 ppm
Concentration per Run 3	-0.0001 ppm	0.0000 ppm	0.0003 ppm	0.0012 ppm	0.0182 ppm	0.7543 ppm	0.0031 ppm
Concentration RSD	15.6 %	164.3 %	47.6 %	4.5 %	3.7 %	3.2 %	14.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	2.7015 ppm	0.1052 ppm	0.0031 ppm	143.7129 ppm	0.0003 ppm	0.0001 ppm	0.0008 ppm
Concentration per Run 1	2.7107 ppm	0.1049 ppm	0.0032 ppm	143.7317 ppm	0.0002 ppm	-0.0001 ppm	0.0006 ppm
Concentration per Run 2	2.7077 ppm	0.1057 ppm	0.0029 ppm	144.1972 ppm	0.0002 ppm	0.0001 ppm	0.0020 ppm
Concentration per Run 3	2.6861 ppm	0.1051 ppm	0.0030 ppm	143.2098 ppm	0.0005 ppm	0.0002 ppm	-0.0001 ppm
Concentration RSD	0.5 %	0.4 %	5.2 %	0.3 %	61.8 %	143.0 %	128.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0022 ppm	0.2275 ppm	0.0013 ppm	0.0928 ppm	0.0008 ppm	-0.0030 ppm	0.0005 ppm
Concentration per Run 1	0.0040 ppm	0.2249 ppm	0.0018 ppm	0.0927 ppm	0.0008 ppm	-0.0055 ppm	0.0004 ppm
Concentration per Run 2	0.0027 ppm	0.2324 ppm	0.0015 ppm	0.0927 ppm	0.0008 ppm	-0.0021 ppm	0.0007 ppm
Concentration per Run 3	-0.0002 ppm	0.2253 ppm	0.0005 ppm	0.0931 ppm	0.0008 ppm	-0.0015 ppm	0.0003 ppm
Concentration RSD	97.7 %	1.8 %	52.3 %	0.2 %	3.3 %	71.5 %	46.6 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0730 ppm	100.2237 %	91.1443 %	91.3636 %	93.3522 %	85.3772 %	90.0083 %
Concentration per Run 1	0.0731 ppm	99.9501 %	90.9110 %	91.3533 %	93.4663 %	85.4344 %	89.7183 %
Concentration per Run 2	0.0732 ppm	100.5600 %	90.9457 %	91.2923 %	93.2331 %	85.2805 %	89.7603 %
Concentration per Run 3	0.0729 ppm	100.1609 %	91.5761 %	91.4452 %	93.3571 %	85.4169 %	90.5464 %
Concentration RSD	0.2 %	0.3 %	0.4 %	0.1 %	0.1 %	0.1 %	0.5 %

ICP DataTrace 5

7/1/2025 7:30:54 PM



LabBook: WG2085564_07012025T5.imexp

Sample: WG2085769-3 WG2085769
 Analysis started at: 7/1/2025 3:15:07 PM
 Comments: <Comment>
 Rack: 1
 Vial: 41

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0583 ppm	2.2668 ppm	0.1231 ppm	1.0075 ppm	2.2535 ppm	0.0564 ppm	47.3355 ppm
Concentration per Run 1	0.0584 ppm	2.2411 ppm	0.1218 ppm	1.0087 ppm	2.2289 ppm	0.0557 ppm	46.8299 ppm
Concentration per Run 2	0.0582 ppm	2.2768 ppm	0.1256 ppm	1.0093 ppm	2.2651 ppm	0.0568 ppm	47.5394 ppm
Concentration per Run 3	0.0584 ppm	2.2823 ppm	0.1220 ppm	1.0045 ppm	2.2665 ppm	0.0567 ppm	47.6374 ppm
Concentration RSD	0.2 %	1.0 %	1.8 %	0.3 %	0.9 %	1.1 %	0.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0515 ppm	0.5360 ppm	0.2132 ppm	0.2735 ppm	1.0364 ppm	10.8326 ppm	0.0039 ppm
Concentration per Run 1	0.0517 ppm	0.5370 ppm	0.2130 ppm	0.2741 ppm	1.0271 ppm	10.7265 ppm	0.0039 ppm
Concentration per Run 2	0.0515 ppm	0.5357 ppm	0.2131 ppm	0.2736 ppm	1.0414 ppm	10.9127 ppm	0.0045 ppm
Concentration per Run 3	0.0514 ppm	0.5353 ppm	0.2134 ppm	0.2728 ppm	1.0408 ppm	10.8587 ppm	0.0032 ppm
Concentration RSD	0.3 %	0.2 %	0.1 %	0.2 %	0.8 %	0.9 %	16.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	12.0543 ppm	0.6469 ppm	1.0052 ppm	152.6468 ppm	0.5484 ppm	0.5120 ppm	0.5127 ppm
Concentration per Run 1	12.0239 ppm	0.6391 ppm	1.0068 ppm	151.4392 ppm	0.5498 ppm	0.5145 ppm	0.5136 ppm
Concentration per Run 2	12.0817 ppm	0.6508 ppm	1.0039 ppm	154.3838 ppm	0.5483 ppm	0.5111 ppm	0.5134 ppm
Concentration per Run 3	12.0571 ppm	0.6508 ppm	1.0048 ppm	152.1175 ppm	0.5470 ppm	0.5103 ppm	0.5112 ppm
Concentration RSD	0.2 %	1.0 %	0.1 %	1.0 %	0.3 %	0.4 %	0.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1231 ppm	1.6163 ppm	0.9663 ppm	1.1146 ppm	0.9973 ppm	0.1096 ppm	0.5555 ppm
Concentration per Run 1	0.1228 ppm	1.6223 ppm	0.9676 ppm	1.1021 ppm	0.9966 ppm	0.1078 ppm	0.5553 ppm
Concentration per Run 2	0.1222 ppm	1.6179 ppm	0.9664 ppm	1.1217 ppm	0.9975 ppm	0.1122 ppm	0.5557 ppm
Concentration per Run 3	0.1243 ppm	1.6086 ppm	0.9648 ppm	1.1200 ppm	0.9977 ppm	0.1089 ppm	0.5555 ppm
Concentration RSD	0.9 %	0.4 %	0.1 %	1.0 %	0.1 %	2.1 %	0.0 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.6175 ppm	99.5281 %	91.0075 %	90.5113 %	92.9658 %	85.3838 %	89.8097 %
Concentration per Run 1	0.6186 ppm	100.1323 %	91.1272 %	90.5487 %	93.7350 %	85.1542 %	89.8772 %
Concentration per Run 2	0.6166 ppm	99.0599 %	90.9742 %	90.4630 %	92.5226 %	85.4275 %	89.7832 %
Concentration per Run 3	0.6173 ppm	99.3920 %	90.9211 %	90.5224 %	92.6399 %	85.5697 %	89.7687 %
Concentration RSD	0.2 %	0.6 %	0.1 %	0.0 %	0.7 %	0.2 %	0.1 %

ICP DataTrace 5

7/1/2025 7:30:54 PM



LabBook: WG2085564_07012025T5.imexp

Sample: WG2085769-4 WG2085769
 Analysis started at: 7/1/2025 3:21:21 PM
 Comments: <Comment>
 Rack: 1
 Vial: 42

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0002 ppm	0.0286 ppm	0.0003 ppm	0.0238 ppm	0.0287 ppm	0.0000 ppm	38.7194 ppm
Concentration per Run 1	0.0000 ppm	0.0360 ppm	-0.0003 ppm	0.0246 ppm	0.0293 ppm	0.0001 ppm	39.4816 ppm
Concentration per Run 2	-0.0001 ppm	0.0298 ppm	0.0004 ppm	0.0237 ppm	0.0286 ppm	0.0000 ppm	38.3422 ppm
Concentration per Run 3	-0.0006 ppm	0.0199 ppm	0.0007 ppm	0.0233 ppm	0.0283 ppm	0.0000 ppm	38.3345 ppm
Concentration RSD	149.7 %	28.3 %	185.0 %	2.7 %	1.7 %	34.7 %	1.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0001 ppm	0.0001 ppm	0.0012 ppm	0.0198 ppm	0.7784 ppm	0.0047 ppm
Concentration per Run 1	-0.0001 ppm	0.0001 ppm	0.0000 ppm	0.0013 ppm	0.0199 ppm	0.7963 ppm	0.0048 ppm
Concentration per Run 2	-0.0001 ppm	0.0002 ppm	0.0002 ppm	0.0014 ppm	0.0203 ppm	0.7570 ppm	0.0040 ppm
Concentration per Run 3	0.0000 ppm	-0.0001 ppm	0.0002 ppm	0.0011 ppm	0.0193 ppm	0.7818 ppm	0.0053 ppm
Concentration RSD	35.7 %	230.8 %	113.4 %	12.9 %	2.6 %	2.5 %	14.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	2.6975 ppm	0.1095 ppm	0.0033 ppm	145.3454 ppm	0.0004 ppm	0.0003 ppm	0.0009 ppm
Concentration per Run 1	2.7038 ppm	0.1114 ppm	0.0036 ppm	147.7419 ppm	0.0003 ppm	0.0001 ppm	0.0017 ppm
Concentration per Run 2	2.6978 ppm	0.1086 ppm	0.0034 ppm	144.4342 ppm	0.0003 ppm	0.0003 ppm	0.0014 ppm
Concentration per Run 3	2.6908 ppm	0.1086 ppm	0.0029 ppm	143.8601 ppm	0.0005 ppm	0.0006 ppm	-0.0004 ppm
Concentration RSD	0.2 %	1.4 %	10.5 %	1.4 %	33.8 %	86.0 %	125.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0019 ppm	0.2209 ppm	0.0005 ppm	0.0948 ppm	0.0009 ppm	-0.0042 ppm	0.0002 ppm
Concentration per Run 1	0.0033 ppm	0.2260 ppm	0.0004 ppm	0.0965 ppm	0.0008 ppm	-0.0057 ppm	0.0003 ppm
Concentration per Run 2	0.0019 ppm	0.2179 ppm	0.0002 ppm	0.0943 ppm	0.0010 ppm	-0.0019 ppm	0.0002 ppm
Concentration per Run 3	0.0005 ppm	0.2187 ppm	0.0009 ppm	0.0937 ppm	0.0008 ppm	-0.0049 ppm	0.0002 ppm
Concentration RSD	70.9 %	2.0 %	73.9 %	1.5 %	11.9 %	47.8 %	11.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0714 ppm	98.9295 %	91.2321 %	90.7789 %	91.7777 %	85.8201 %	90.0483 %
Concentration per Run 1	0.0713 ppm	97.1396 %	91.1388 %	90.8921 %	90.2370 %	85.7494 %	90.0446 %
Concentration per Run 2	0.0716 ppm	99.8791 %	91.4627 %	90.5522 %	92.6322 %	85.7131 %	90.1151 %
Concentration per Run 3	0.0712 ppm	99.7697 %	91.0948 %	90.8925 %	92.4639 %	85.9977 %	89.9852 %
Concentration RSD	0.3 %	1.6 %	0.2 %	0.2 %	1.5 %	0.2 %	0.1 %

ICP DataTrace 5

7/1/2025 7:30:54 PM



LabBook: WG2085564_07012025T5.imexp

Sample: I2537849-01 WG2085769
 Analysis started at: 7/1/2025 3:27:51 PM
 Comments: <Comment>
 Rack: 1
 Vial: 43

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0561 ppm	0.0006 ppm	0.0076 ppm	0.0527 ppm	0.0000 ppm	13.3321 ppm
Concentration per Run 1	0.0002 ppm	0.0581 ppm	-0.0008 ppm	0.0072 ppm	0.0538 ppm	0.0001 ppm	13.5834 ppm
Concentration per Run 2	-0.0003 ppm	0.0553 ppm	0.0010 ppm	0.0079 ppm	0.0524 ppm	0.0000 ppm	13.2253 ppm
Concentration per Run 3	0.0002 ppm	0.0549 ppm	0.0015 ppm	0.0078 ppm	0.0520 ppm	0.0000 ppm	13.1877 ppm
Concentration RSD	3,536.7 %	3.1 %	209.3 %	4.9 %	1.8 %	56.6 %	1.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0002 ppm	0.0024 ppm	0.0001 ppm	0.0024 ppm	0.0234 ppm	0.9107 ppm	0.0047 ppm
Concentration per Run 1	0.0002 ppm	0.0022 ppm	0.0001 ppm	0.0024 ppm	0.0234 ppm	0.9215 ppm	0.0051 ppm
Concentration per Run 2	0.0002 ppm	0.0026 ppm	0.0001 ppm	0.0025 ppm	0.0223 ppm	0.8854 ppm	0.0053 ppm
Concentration per Run 3	0.0002 ppm	0.0024 ppm	0.0001 ppm	0.0023 ppm	0.0244 ppm	0.9252 ppm	0.0038 ppm
Concentration RSD	2.0 %	6.8 %	25.6 %	4.6 %	4.4 %	2.4 %	17.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.4053 ppm	0.2180 ppm	0.0007 ppm	145.5631 ppm	0.0017 ppm	0.0133 ppm	0.0010 ppm
Concentration per Run 1	0.4060 ppm	0.2217 ppm	0.0008 ppm	150.4848 ppm	0.0016 ppm	0.0135 ppm	0.0006 ppm
Concentration per Run 2	0.4069 ppm	0.2167 ppm	0.0008 ppm	143.5468 ppm	0.0016 ppm	0.0131 ppm	-0.0002 ppm
Concentration per Run 3	0.4031 ppm	0.2157 ppm	0.0005 ppm	142.6576 ppm	0.0019 ppm	0.0134 ppm	0.0026 ppm
Concentration RSD	0.5 %	1.5 %	28.2 %	2.9 %	9.5 %	1.7 %	142.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0010 ppm	0.5252 ppm	0.0007 ppm	0.0345 ppm	0.0011 ppm	-0.0025 ppm	0.0006 ppm
Concentration per Run 1	-0.0008 ppm	0.5272 ppm	0.0006 ppm	0.0351 ppm	0.0010 ppm	-0.0011 ppm	0.0008 ppm
Concentration per Run 2	-0.0016 ppm	0.5236 ppm	0.0008 ppm	0.0343 ppm	0.0010 ppm	-0.0035 ppm	0.0007 ppm
Concentration per Run 3	-0.0008 ppm	0.5248 ppm	0.0007 ppm	0.0341 ppm	0.0014 ppm	-0.0031 ppm	0.0003 ppm
Concentration RSD	43.0 %	0.4 %	15.1 %	1.4 %	20.7 %	51.5 %	41.0 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0406 ppm	98.3486 %	91.8543 %	91.6770 %	91.8500 %	87.3595 %	91.1860 %
Concentration per Run 1	0.0407 ppm	96.4136 %	91.7896 %	91.6524 %	90.1755 %	87.4742 %	91.0587 %
Concentration per Run 2	0.0405 ppm	99.3290 %	91.6937 %	91.7529 %	92.5069 %	87.3024 %	91.0602 %
Concentration per Run 3	0.0406 ppm	99.3033 %	92.0797 %	91.6256 %	92.8677 %	87.3019 %	91.4392 %
Concentration RSD	0.3 %	1.7 %	0.2 %	0.1 %	1.6 %	0.1 %	0.2 %

ICP DataTrace 5

7/1/2025 7:30:54 PM



LabBook: WG2085564_07012025T5.imexp

Sample: CCV
Analysis started at: 7/1/2025 3:34:21 PM
Comments: <Comment>
Rack: 0
Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.5451 ppm	0.5072 ppm	0.4839 ppm	0.4971 ppm	0.5144 ppm	0.5186 ppm	0.5094 ppm
Concentration per Run 1	0.5448 ppm	0.5086 ppm	0.4851 ppm	0.4973 ppm	0.5137 ppm	0.5182 ppm	0.5078 ppm
Concentration per Run 2	0.5450 ppm	0.5092 ppm	0.4847 ppm	0.4972 ppm	0.5146 ppm	0.5183 ppm	0.5099 ppm
Concentration per Run 3	0.5455 ppm	0.5037 ppm	0.4819 ppm	0.4969 ppm	0.5149 ppm	0.5192 ppm	0.5104 ppm
Recovery Percentage 1	109.019 %	101.432 %	96.781 %	99.424 %	102.878 %	103.718 %	101.874 %
Concentration RSD	0.1 %	0.6 %	0.4 %	0.0 %	0.1 %	0.1 %	0.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4906 ppm	0.5034 ppm	0.5064 ppm	0.5100 ppm	0.4770 ppm	5.1052 ppm	0.5374 ppm
Concentration per Run 1	0.4904 ppm	0.5033 ppm	0.5052 ppm	0.5096 ppm	0.4746 ppm	5.0825 ppm	0.5368 ppm
Concentration per Run 2	0.4905 ppm	0.5035 ppm	0.5074 ppm	0.5096 ppm	0.4778 ppm	5.1182 ppm	0.5373 ppm
Concentration per Run 3	0.4908 ppm	0.5033 ppm	0.5067 ppm	0.5108 ppm	0.4788 ppm	5.1149 ppm	0.5380 ppm
Recovery Percentage 1	98.116 %	100.673 %	101.286 %	101.995 %	95.409 %	102.104 %	107.474 %
Concentration RSD	0.0 %	0.0 %	0.2 %	0.1 %	0.5 %	0.4 %	0.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5238 ppm	0.5273 ppm	0.4901 ppm	10.6777 ppm	0.5070 ppm	0.5058 ppm	0.5136 ppm
Concentration per Run 1	0.5243 ppm	0.5255 ppm	0.4882 ppm	10.6806 ppm	0.5073 ppm	0.5051 ppm	0.5142 ppm
Concentration per Run 2	0.5249 ppm	0.5282 ppm	0.4905 ppm	10.6669 ppm	0.5068 ppm	0.5061 ppm	0.5137 ppm
Concentration per Run 3	0.5223 ppm	0.5283 ppm	0.4915 ppm	10.6857 ppm	0.5068 ppm	0.5062 ppm	0.5130 ppm
Recovery Percentage 1	104.768 %	105.462 %	98.012 %	106.777 %	101.398 %	101.167 %	102.729 %
Concentration RSD	0.3 %	0.3 %	0.3 %	0.1 %	0.1 %	0.1 %	0.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4905 ppm	5.5122 ppm	0.5014 ppm	0.5453 ppm	0.5126 ppm	0.5127 ppm	0.5088 ppm
Concentration per Run 1	0.4899 ppm	5.5085 ppm	0.5017 ppm	0.5445 ppm	0.5127 ppm	0.5112 ppm	0.5089 ppm
Concentration per Run 2	0.4888 ppm	5.5113 ppm	0.5013 ppm	0.5453 ppm	0.5126 ppm	0.5117 ppm	0.5080 ppm
Concentration per Run 3	0.4928 ppm	5.5169 ppm	0.5014 ppm	0.5461 ppm	0.5124 ppm	0.5152 ppm	0.5093 ppm
Recovery Percentage 1	98.097 %	104.995 %	100.287 %	109.060 %	102.512 %	102.536 %	101.752 %
Concentration RSD	0.4 %	0.1 %	0.0 %	0.1 %	0.0 %	0.4 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4992 ppm	102.9109 %	96.7839 %	95.6089 %	95.7519 %	95.8047 %	95.5796 %
Concentration per Run 1	0.4995 ppm	103.1704 %	96.9163 %	95.6339 %	95.9815 %	95.8776 %	95.6709 %
Concentration per Run 2	0.4989 ppm	102.8763 %	96.6919 %	95.6792 %	95.7538 %	95.6863 %	95.5740 %
Concentration per Run 3	0.4991 ppm	102.6860 %	96.7435 %	95.5138 %	95.5204 %	95.8503 %	95.4937 %
Recovery Percentage 1	99.833 %						
Concentration RSD	0.1 %	0.2 %	0.1 %	0.1 %	0.2 %	0.1 %	0.1 %

ICP DataTrace 5

7/1/2025 7:30:54 PM



LabBook: WG2085564_07012025T5.imexp

Sample: CCB
 Analysis started at: 7/1/2025 3:40:28 PM
 Comments: <Comment>
 Rack: 0
 Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0049 ppm	-0.0008 ppm	0.0018 ppm	0.0001 ppm	0.0001 ppm	0.0091 ppm
Concentration per Run 1	0.0000 ppm	0.0033 ppm	-0.0014 ppm	0.0019 ppm	0.0002 ppm	0.0001 ppm	0.0101 ppm
Concentration per Run 2	0.0000 ppm	0.0094 ppm	0.0001 ppm	0.0019 ppm	0.0002 ppm	0.0000 ppm	0.0103 ppm
Concentration per Run 3	0.0001 ppm	0.0020 ppm	-0.0010 ppm	0.0015 ppm	0.0001 ppm	0.0001 ppm	0.0070 ppm
Recovery Percentage 1	0.537 %	4.906 %	-15.524 %	5.885 %	1.293 %	1.193 %	9.129 %
Concentration RSD	106.6 %	80.8 %	104.7 %	12.6 %	44.7 %	66.1 %	20.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0002 ppm	0.0001 ppm	0.0005 ppm	0.0009 ppm	0.0623 ppm	0.0003 ppm
Concentration per Run 1	0.0000 ppm	-0.0002 ppm	0.0001 ppm	0.0006 ppm	0.0013 ppm	0.0624 ppm	0.0010 ppm
Concentration per Run 2	0.0000 ppm	-0.0002 ppm	0.0000 ppm	0.0006 ppm	0.0005 ppm	0.0722 ppm	-0.0002 ppm
Concentration per Run 3	0.0000 ppm	-0.0002 ppm	0.0000 ppm	0.0004 ppm	0.0009 ppm	0.0524 ppm	0.0002 ppm
Recovery Percentage 1	0.199 %	-0.913 %	0.669 %	5.211 %	1.796 %	2.492 %	3.317 %
Concentration RSD	427.2 %	11.6 %	96.6 %	21.6 %	47.7 %	15.9 %	176.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0001 ppm	0.0000 ppm	0.0014 ppm	0.0637 ppm	0.0003 ppm	-0.0009 ppm	0.0003 ppm
Concentration per Run 1	-0.0010 ppm	0.0001 ppm	0.0016 ppm	0.0664 ppm	0.0002 ppm	-0.0009 ppm	0.0008 ppm
Concentration per Run 2	0.0019 ppm	-0.0001 ppm	0.0013 ppm	0.0631 ppm	0.0001 ppm	-0.0006 ppm	-0.0005 ppm
Concentration per Run 3	-0.0006 ppm	0.0000 ppm	0.0014 ppm	0.0616 ppm	0.0004 ppm	-0.0012 ppm	0.0005 ppm
Recovery Percentage 1	0.103 %	-0.239 %	2.793 %	3.184 %	1.013 %	-9.137 %	0.587 %
Concentration RSD	1,531.0 %	488.7 %	10.6 %	3.8 %	66.4 %	28.8 %	231.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0025 ppm	0.0004 ppm	0.0000 ppm	0.0001 ppm	0.0003 ppm	0.0011 ppm	0.0001 ppm
Concentration per Run 1	0.0023 ppm	0.0010 ppm	-0.0001 ppm	0.0001 ppm	0.0001 ppm	0.0020 ppm	0.0000 ppm
Concentration per Run 2	0.0019 ppm	0.0000 ppm	-0.0001 ppm	0.0001 ppm	0.0005 ppm	-0.0001 ppm	0.0002 ppm
Concentration per Run 3	0.0033 ppm	0.0003 ppm	0.0002 ppm	0.0002 ppm	0.0004 ppm	0.0013 ppm	0.0001 ppm
Recovery Percentage 1	25.236 %	0.086 %	-0.043 %	1.172 %	3.170 %	5.270 %	0.897 %
Concentration RSD	28.6 %	114.8 %	699.9 %	87.8 %	69.5 %	97.0 %	106.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0003 ppm	101.1591 %	97.7183 %	96.1340 %	92.2431 %	96.8074 %	94.9271 %
Concentration per Run 1	0.0004 ppm	100.1460 %	97.8427 %	96.0625 %	91.4782 %	96.6925 %	95.0288 %
Concentration per Run 2	0.0003 ppm	101.1831 %	97.7114 %	96.0141 %	92.1653 %	96.7299 %	94.8341 %
Concentration per Run 3	0.0003 ppm	102.1483 %	97.6006 %	96.3253 %	93.0860 %	96.9997 %	94.9184 %
Recovery Percentage 1	6.424 %						
Concentration RSD	23.5 %	1.0 %	0.1 %	0.2 %	0.9 %	0.2 %	0.1 %

ICP DataTrace 5

7/1/2025 7:30:54 PM



LabBook: WG2085564_07012025T5.imexp

Sample: WG2082734-1 WG2082734
 Analysis started at: 7/1/2025 3:58:01 PM
 Comments: <Comment>
 Rack: 1
 Vial: 44

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.0090 ppm	-0.0002 ppm	0.0017 ppm	0.0001 ppm	0.0000 ppm	0.0164 ppm
Concentration per Run 1	-0.0001 ppm	0.0175 ppm	-0.0002 ppm	0.0016 ppm	0.0001 ppm	0.0001 ppm	0.0129 ppm
Concentration per Run 2	-0.0002 ppm	0.0072 ppm	-0.0005 ppm	0.0018 ppm	0.0002 ppm	0.0000 ppm	0.0156 ppm
Concentration per Run 3	-0.0001 ppm	0.0024 ppm	0.0000 ppm	0.0016 ppm	0.0001 ppm	0.0000 ppm	0.0208 ppm
Recovery Percentage 1	-2.045 %	9.032 %	-4.676 %	5.610 %	1.311 %	0.921 %	16.401 %
Concentration RSD	18.8 %	85.2 %	114.2 %	6.7 %	43.8 %	71.2 %	24.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0001 ppm	0.0000 ppm	0.0009 ppm	0.0018 ppm	0.0161 ppm	-0.0003 ppm
Concentration per Run 1	0.0000 ppm	-0.0001 ppm	-0.0002 ppm	0.0011 ppm	0.0016 ppm	0.0348 ppm	-0.0008 ppm
Concentration per Run 2	0.0000 ppm	-0.0001 ppm	0.0001 ppm	0.0007 ppm	0.0013 ppm	-0.0043 ppm	0.0005 ppm
Concentration per Run 3	0.0000 ppm	-0.0001 ppm	0.0001 ppm	0.0008 ppm	0.0024 ppm	0.0177 ppm	-0.0007 ppm
Recovery Percentage 1	-0.809 %	-0.565 %	0.064 %	8.666 %	3.512 %	0.642 %	-3.121 %
Concentration RSD	27.0 %	30.6 %	2,689.4 %	28.2 %	33.4 %	122.2 %	234.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.0040 ppm	0.0000 ppm	0.0000 ppm	0.0392 ppm	0.0002 ppm	-0.0003 ppm	-0.0003 ppm
Concentration per Run 1	0.0048 ppm	0.0000 ppm	0.0001 ppm	0.0327 ppm	0.0002 ppm	-0.0004 ppm	0.0004 ppm
Concentration per Run 2	0.0029 ppm	-0.0003 ppm	-0.0001 ppm	0.0408 ppm	0.0002 ppm	0.0000 ppm	-0.0001 ppm
Concentration per Run 3	0.0043 ppm	0.0002 ppm	0.0000 ppm	0.0442 ppm	0.0001 ppm	-0.0006 ppm	-0.0012 ppm
Recovery Percentage 1	3.973 %	-0.169 %	-0.018 %	1.962 %	0.703 %	-3.286 %	-0.578 %
Concentration RSD	25.0 %	1,302.8 %	889.5 %	15.1 %	33.8 %	96.0 %	291.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0008 ppm	0.0119 ppm	-0.0005 ppm	0.0002 ppm	0.0001 ppm	-0.0009 ppm	0.0001 ppm
Concentration per Run 1	0.0019 ppm	0.0117 ppm	0.0000 ppm	0.0002 ppm	0.0001 ppm	-0.0004 ppm	0.0000 ppm
Concentration per Run 2	0.0007 ppm	0.0114 ppm	-0.0007 ppm	0.0001 ppm	0.0001 ppm	-0.0004 ppm	0.0000 ppm
Concentration per Run 3	-0.0003 ppm	0.0125 ppm	-0.0008 ppm	0.0003 ppm	0.0002 ppm	-0.0020 ppm	0.0004 ppm
Recovery Percentage 1	7.720 %	2.377 %	-0.985 %	2.332 %	1.182 %	-4.567 %	1.225 %
Concentration RSD	140.2 %	4.9 %	82.7 %	47.3 %	77.5 %	100.8 %	203.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0012 ppm	106.9928 %	98.0992 %	96.1719 %	95.6085 %	98.1887 %	94.8176 %
Concentration per Run 1	0.0012 ppm	109.2331 %	98.2309 %	96.3606 %	98.1122 %	98.2847 %	94.8932 %
Concentration per Run 2	0.0012 ppm	105.4444 %	97.9351 %	96.2761 %	94.1109 %	98.4189 %	94.7092 %
Concentration per Run 3	0.0011 ppm	106.3010 %	98.1315 %	95.8790 %	94.6025 %	97.8624 %	94.8505 %
Recovery Percentage 1	23.805 %						
Concentration RSD	4.5 %	1.9 %	0.2 %	0.3 %	2.3 %	0.3 %	0.1 %

ICP DataTrace 5

7/1/2025 7:30:54 PM



LabBook: WG2085564_07012025T5.imexp

Sample: WG2082734-2 WG2082734
 Analysis started at: 7/1/2025 4:04:26 PM
 Comments: <Comment>
 Rack: 1
 Vial: 45

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0638 ppm	2.3877 ppm	0.1218 ppm	1.0093 ppm	2.3393 ppm	0.0580 ppm	10.1807 ppm
Concentration per Run 1	0.0640 ppm	2.3616 ppm	0.1218 ppm	1.0104 ppm	2.3289 ppm	0.0576 ppm	10.0929 ppm
Concentration per Run 2	0.0639 ppm	2.3925 ppm	0.1215 ppm	1.0090 ppm	2.3366 ppm	0.0581 ppm	10.1920 ppm
Concentration per Run 3	0.0635 ppm	2.4090 ppm	0.1219 ppm	1.0086 ppm	2.3524 ppm	0.0584 ppm	10.2570 ppm
Concentration RSD	0.4 %	1.0 %	0.2 %	0.1 %	0.5 %	0.7 %	0.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0528 ppm	0.5547 ppm	0.2260 ppm	0.2870 ppm	1.0748 ppm	10.3930 ppm	-0.0007 ppm
Concentration per Run 1	0.0530 ppm	0.5545 ppm	0.2256 ppm	0.2873 ppm	1.0646 ppm	10.2823 ppm	-0.0005 ppm
Concentration per Run 2	0.0528 ppm	0.5545 ppm	0.2259 ppm	0.2866 ppm	1.0741 ppm	10.4006 ppm	-0.0019 ppm
Concentration per Run 3	0.0527 ppm	0.5550 ppm	0.2266 ppm	0.2871 ppm	1.0857 ppm	10.4961 ppm	0.0002 ppm
Concentration RSD	0.2 %	0.1 %	0.2 %	0.1 %	1.0 %	1.0 %	138.8 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	10.4877 ppm	0.5857 ppm	0.9714 ppm	11.3005 ppm	0.5592 ppm	0.5358 ppm	0.4613 ppm
Concentration per Run 1	10.4790 ppm	0.5805 ppm	0.9711 ppm	11.2267 ppm	0.5598 ppm	0.5375 ppm	0.4519 ppm
Concentration per Run 2	10.4823 ppm	0.5867 ppm	0.9713 ppm	11.3404 ppm	0.5589 ppm	0.5348 ppm	0.4617 ppm
Concentration per Run 3	10.5016 ppm	0.5899 ppm	0.9719 ppm	11.3345 ppm	0.5589 ppm	0.5352 ppm	0.4703 ppm
Concentration RSD	0.1 %	0.8 %	0.0 %	0.6 %	0.1 %	0.3 %	2.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1186 ppm	1.2316 ppm	0.9646 ppm	1.0195 ppm	1.0479 ppm	0.1200 ppm	0.5764 ppm
Concentration per Run 1	0.1180 ppm	1.2342 ppm	0.9653 ppm	1.0090 ppm	1.0471 ppm	0.1215 ppm	0.5775 ppm
Concentration per Run 2	0.1177 ppm	1.2306 ppm	0.9648 ppm	1.0201 ppm	1.0475 ppm	0.1173 ppm	0.5753 ppm
Concentration per Run 3	0.1201 ppm	1.2301 ppm	0.9636 ppm	1.0293 ppm	1.0491 ppm	0.1212 ppm	0.5765 ppm
Concentration RSD	1.1 %	0.2 %	0.1 %	1.0 %	0.1 %	1.9 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5560 ppm	103.9373 %	95.3061 %	93.4535 %	95.6227 %	94.6885 %	93.8961 %
Concentration per Run 1	0.5570 ppm	104.7986 %	95.2326 %	93.4501 %	96.3756 %	94.6118 %	93.9020 %
Concentration per Run 2	0.5547 ppm	103.9058 %	95.3373 %	93.3613 %	95.2903 %	94.6551 %	93.9173 %
Concentration per Run 3	0.5564 ppm	103.1076 %	95.3484 %	93.5490 %	95.2023 %	94.7987 %	93.8688 %
Concentration RSD	0.2 %	0.8 %	0.1 %	0.1 %	0.7 %	0.1 %	0.0 %

ICP DataTrace 5

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LabBook: WG2085564_07012025T5.imexp

Sample: L2536247-09 WG2082734
 Analysis started at: 7/1/2025 4:10:41 PM
 Comments: <Comment>
 Rack: 1
 Vial: 56

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0132 ppm	0.0001 ppm	0.0181 ppm	0.0676 ppm	0.0000 ppm	18.8683 ppm
Concentration per Run 1	0.0001 ppm	0.0094 ppm	-0.0014 ppm	0.0184 ppm	0.0672 ppm	0.0001 ppm	18.7928 ppm
Concentration per Run 2	-0.0002 ppm	0.0135 ppm	0.0002 ppm	0.0182 ppm	0.0678 ppm	0.0000 ppm	18.9175 ppm
Concentration per Run 3	0.0001 ppm	0.0168 ppm	0.0016 ppm	0.0179 ppm	0.0678 ppm	0.0001 ppm	18.8947 ppm
Concentration RSD	1,465.3 %	28.1 %	1,343.1 %	1.4 %	0.5 %	207.0 %	0.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0000 ppm	0.0020 ppm	0.0052 ppm	0.0099 ppm	1.2080 ppm	0.0004 ppm
Concentration per Run 1	-0.0001 ppm	-0.0001 ppm	0.0020 ppm	0.0054 ppm	0.0105 ppm	1.2052 ppm	0.0016 ppm
Concentration per Run 2	-0.0001 ppm	0.0001 ppm	0.0020 ppm	0.0052 ppm	0.0085 ppm	1.2029 ppm	-0.0007 ppm
Concentration per Run 3	-0.0001 ppm	0.0000 ppm	0.0021 ppm	0.0052 ppm	0.0108 ppm	1.2161 ppm	0.0003 ppm
Concentration RSD	46.0 %	1,163.1 %	2.9 %	2.4 %	12.7 %	0.6 %	274.8 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	8.2659 ppm	0.0007 ppm	0.0046 ppm	13.4322 ppm	0.0009 ppm	-0.0003 ppm	0.0117 ppm
Concentration per Run 1	8.2638 ppm	0.0009 ppm	0.0052 ppm	13.3774 ppm	0.0009 ppm	0.0002 ppm	0.0133 ppm
Concentration per Run 2	8.2834 ppm	0.0007 ppm	0.0047 ppm	13.4875 ppm	0.0007 ppm	-0.0008 ppm	0.0107 ppm
Concentration per Run 3	8.2506 ppm	0.0007 ppm	0.0040 ppm	13.4317 ppm	0.0010 ppm	-0.0001 ppm	0.0111 ppm
Concentration RSD	0.2 %	15.1 %	12.4 %	0.4 %	18.7 %	201.5 %	11.9 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0018 ppm	4.2746 ppm	0.0028 ppm	0.0891 ppm	0.0009 ppm	-0.0014 ppm	0.0001 ppm
Concentration per Run 1	0.0017 ppm	4.2800 ppm	0.0031 ppm	0.0889 ppm	0.0011 ppm	0.0000 ppm	0.0001 ppm
Concentration per Run 2	0.0003 ppm	4.2699 ppm	0.0032 ppm	0.0891 ppm	0.0007 ppm	-0.0029 ppm	0.0001 ppm
Concentration per Run 3	0.0033 ppm	4.2738 ppm	0.0021 ppm	0.0891 ppm	0.0007 ppm	-0.0013 ppm	0.0002 ppm
Concentration RSD	83.1 %	0.1 %	20.6 %	0.1 %	25.7 %	103.7 %	34.9 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0075 ppm	103.3063 %	96.0433 %	93.9153 %	95.1637 %	94.4469 %	95.0873 %
Concentration per Run 1	0.0074 ppm	104.1769 %	96.0663 %	93.7679 %	96.1046 %	94.1595 %	95.1128 %
Concentration per Run 2	0.0076 ppm	102.6628 %	95.9437 %	93.9548 %	94.4789 %	94.5222 %	94.8839 %
Concentration per Run 3	0.0074 ppm	103.0793 %	96.1198 %	94.0231 %	94.9075 %	94.6588 %	95.2651 %
Concentration RSD	0.9 %	0.8 %	0.1 %	0.1 %	0.9 %	0.3 %	0.2 %

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LabBook: WG2085564_07012025T5.imexp

Sample: L2536247-10 WG2082734
 Analysis started at: 7/1/2025 4:18:22 PM
 Comments: <Comment>
 Rack: 1
 Vial: 57

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0133 ppm	-0.0003 ppm	0.0198 ppm	0.0127 ppm	0.0000 ppm	23.6741 ppm
Concentration per Run 1	-0.0003 ppm	0.0194 ppm	-0.0008 ppm	0.0198 ppm	0.0126 ppm	0.0000 ppm	23.5463 ppm
Concentration per Run 2	0.0002 ppm	0.0102 ppm	0.0004 ppm	0.0198 ppm	0.0128 ppm	0.0000 ppm	23.7423 ppm
Concentration per Run 3	0.0002 ppm	0.0102 ppm	-0.0006 ppm	0.0198 ppm	0.0128 ppm	0.0001 ppm	23.7337 ppm
Concentration RSD	2,845.6 %	40.2 %	184.7 %	0.1 %	0.6 %	460.1 %	0.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	-0.0001 ppm	0.0006 ppm	0.0091 ppm	0.0083 ppm	1.3765 ppm	0.0000 ppm
Concentration per Run 1	-0.0001 ppm	-0.0003 ppm	0.0006 ppm	0.0091 ppm	0.0088 ppm	1.3643 ppm	-0.0007 ppm
Concentration per Run 2	-0.0002 ppm	0.0000 ppm	0.0006 ppm	0.0090 ppm	0.0080 ppm	1.3914 ppm	0.0008 ppm
Concentration per Run 3	-0.0001 ppm	0.0000 ppm	0.0005 ppm	0.0092 ppm	0.0082 ppm	1.3740 ppm	0.0000 ppm
Concentration RSD	12.2 %	181.7 %	15.2 %	1.1 %	4.9 %	1.0 %	2,065.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	5.2587 ppm	0.0020 ppm	0.0020 ppm	11.4429 ppm	0.0049 ppm	-0.0001 ppm	0.0036 ppm
Concentration per Run 1	5.2472 ppm	0.0021 ppm	0.0018 ppm	11.3765 ppm	0.0050 ppm	-0.0002 ppm	0.0033 ppm
Concentration per Run 2	5.2590 ppm	0.0019 ppm	0.0020 ppm	11.4631 ppm	0.0047 ppm	-0.0001 ppm	0.0046 ppm
Concentration per Run 3	5.2698 ppm	0.0020 ppm	0.0022 ppm	11.4889 ppm	0.0049 ppm	0.0000 ppm	0.0029 ppm
Concentration RSD	0.2 %	5.1 %	9.2 %	0.5 %	2.9 %	150.8 %	24.9 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0025 ppm	1.0585 ppm	0.0013 ppm	0.0748 ppm	0.0004 ppm	0.0003 ppm	0.0005 ppm
Concentration per Run 1	0.0023 ppm	1.0579 ppm	0.0019 ppm	0.0743 ppm	0.0005 ppm	0.0001 ppm	0.0006 ppm
Concentration per Run 2	0.0018 ppm	1.0587 ppm	0.0009 ppm	0.0750 ppm	0.0003 ppm	0.0009 ppm	0.0004 ppm
Concentration per Run 3	0.0034 ppm	1.0588 ppm	0.0010 ppm	0.0750 ppm	0.0003 ppm	0.0000 ppm	0.0005 ppm
Concentration RSD	31.7 %	0.0 %	47.0 %	0.6 %	25.9 %	168.2 %	17.8 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0153 ppm	103.7044 %	95.9640 %	93.9066 %	95.8979 %	94.3462 %	94.4034 %
Concentration per Run 1	0.0153 ppm	104.1172 %	96.0550 %	93.9875 %	96.3604 %	94.4237 %	94.4449 %
Concentration per Run 2	0.0153 ppm	103.2888 %	95.9089 %	93.7855 %	95.6906 %	94.2615 %	94.3990 %
Concentration per Run 3	0.0153 ppm	103.7072 %	95.9280 %	93.9470 %	95.6429 %	94.3536 %	94.3665 %
Concentration RSD	0.2 %	0.4 %	0.1 %	0.1 %	0.4 %	0.1 %	0.0 %

ICP DataTrace 5

7/1/2025 7:30:54 PM



LabBook: WG2085564_07012025T5.imexp

Sample: L2536247-11 WG2082734
 Analysis started at: 7/1/2025 4:24:44 PM
 Comments: <Comment>
 Rack: 1
 Vial: 58

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0003 ppm	0.0073 ppm	0.0002 ppm	0.0089 ppm	0.0027 ppm	0.0000 ppm	8.0874 ppm
Concentration per Run 1	-0.0006 ppm	0.0076 ppm	-0.0009 ppm	0.0091 ppm	0.0026 ppm	0.0000 ppm	8.0475 ppm
Concentration per Run 2	0.0000 ppm	0.0055 ppm	0.0010 ppm	0.0088 ppm	0.0028 ppm	0.0000 ppm	8.1043 ppm
Concentration per Run 3	-0.0003 ppm	0.0088 ppm	0.0005 ppm	0.0088 ppm	0.0027 ppm	0.0000 ppm	8.1103 ppm
Concentration RSD	100.1 %	22.5 %	524.6 %	1.8 %	4.0 %	28.1 %	0.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	-0.0002 ppm	0.0003 ppm	0.0067 ppm	0.9317 ppm	0.9829 ppm	0.0020 ppm
Concentration per Run 1	-0.0001 ppm	-0.0001 ppm	0.0004 ppm	0.0068 ppm	0.9262 ppm	0.9779 ppm	0.0018 ppm
Concentration per Run 2	0.0000 ppm	-0.0003 ppm	0.0005 ppm	0.0068 ppm	0.9352 ppm	0.9985 ppm	0.0015 ppm
Concentration per Run 3	-0.0001 ppm	-0.0002 ppm	0.0001 ppm	0.0065 ppm	0.9336 ppm	0.9723 ppm	0.0026 ppm
Concentration RSD	11.2 %	56.1 %	60.9 %	2.3 %	0.5 %	1.4 %	28.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	3.3255 ppm	0.0321 ppm	0.0009 ppm	6.4798 ppm	0.0004 ppm	0.0001 ppm	0.0019 ppm
Concentration per Run 1	3.3177 ppm	0.0318 ppm	0.0008 ppm	6.4368 ppm	0.0004 ppm	-0.0001 ppm	0.0014 ppm
Concentration per Run 2	3.3284 ppm	0.0323 ppm	0.0009 ppm	6.4997 ppm	0.0003 ppm	0.0005 ppm	0.0023 ppm
Concentration per Run 3	3.3304 ppm	0.0321 ppm	0.0009 ppm	6.5030 ppm	0.0005 ppm	-0.0002 ppm	0.0019 ppm
Concentration RSD	0.2 %	0.9 %	8.5 %	0.6 %	21.0 %	402.2 %	24.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0013 ppm	13.3162 ppm	0.0001 ppm	0.0380 ppm	0.0004 ppm	0.0001 ppm	0.0003 ppm
Concentration per Run 1	0.0031 ppm	13.2910 ppm	0.0006 ppm	0.0378 ppm	0.0004 ppm	-0.0007 ppm	0.0004 ppm
Concentration per Run 2	0.0001 ppm	13.3083 ppm	-0.0002 ppm	0.0382 ppm	0.0006 ppm	0.0013 ppm	0.0001 ppm
Concentration per Run 3	0.0005 ppm	13.3493 ppm	-0.0002 ppm	0.0380 ppm	0.0003 ppm	-0.0003 ppm	0.0004 ppm
Concentration RSD	129.6 %	0.2 %	548.7 %	0.5 %	31.4 %	1,122.8 %	45.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0155 ppm	104.7926 %	97.1282 %	95.2743 %	95.9459 %	96.6343 %	95.8596 %
Concentration per Run 1	0.0155 ppm	105.8354 %	97.1466 %	95.1088 %	96.9324 %	96.7601 %	95.9689 %
Concentration per Run 2	0.0154 ppm	104.2892 %	97.4301 %	95.3284 %	95.6837 %	96.7134 %	95.9575 %
Concentration per Run 3	0.0155 ppm	104.2531 %	96.8078 %	95.3857 %	95.2215 %	96.4295 %	95.6523 %
Concentration RSD	0.3 %	0.9 %	0.3 %	0.2 %	0.9 %	0.2 %	0.2 %

ICP DataTrace 5

7/1/2025 7:30:54 PM



LabBook: WG2085564_07012025T5.imexp

Sample: L2536247-12 WG2082734
 Analysis started at: 7/1/2025 4:31:06 PM
 Comments: <Comment>
 Rack: 1
 Vial: 46

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0079 ppm	-0.0004 ppm	0.0200 ppm	0.0387 ppm	0.0001 ppm	16.6514 ppm
Concentration per Run 1	0.0001 ppm	0.0049 ppm	0.0007 ppm	0.0201 ppm	0.0381 ppm	0.0000 ppm	16.3955 ppm
Concentration per Run 2	0.0002 ppm	0.0118 ppm	-0.0008 ppm	0.0199 ppm	0.0388 ppm	0.0001 ppm	16.7304 ppm
Concentration per Run 3	0.0001 ppm	0.0070 ppm	-0.0011 ppm	0.0199 ppm	0.0392 ppm	0.0001 ppm	16.8283 ppm
Concentration RSD	41.2 %	45.3 %	227.6 %	0.7 %	1.4 %	17.1 %	1.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0000 ppm	0.0009 ppm	0.0008 ppm	0.0102 ppm	2.3658 ppm	-0.0004 ppm
Concentration per Run 1	-0.0001 ppm	-0.0001 ppm	0.0007 ppm	0.0009 ppm	0.0098 ppm	2.3365 ppm	-0.0006 ppm
Concentration per Run 2	-0.0001 ppm	0.0001 ppm	0.0009 ppm	0.0009 ppm	0.0112 ppm	2.3811 ppm	-0.0001 ppm
Concentration per Run 3	-0.0001 ppm	0.0001 ppm	0.0012 ppm	0.0007 ppm	0.0095 ppm	2.3799 ppm	-0.0003 ppm
Concentration RSD	21.1 %	1,313.1 %	27.0 %	11.2 %	9.1 %	1.1 %	75.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	3.4967 ppm	0.0009 ppm	0.0003 ppm	14.6349 ppm	0.0011 ppm	0.0003 ppm	0.0006 ppm
Concentration per Run 1	3.4974 ppm	0.0010 ppm	0.0003 ppm	14.4105 ppm	0.0011 ppm	0.0004 ppm	0.0006 ppm
Concentration per Run 2	3.4919 ppm	0.0008 ppm	0.0004 ppm	14.6947 ppm	0.0013 ppm	0.0002 ppm	0.0005 ppm
Concentration per Run 3	3.5009 ppm	0.0008 ppm	0.0004 ppm	14.7994 ppm	0.0008 ppm	0.0003 ppm	0.0007 ppm
Concentration RSD	0.1 %	11.0 %	23.5 %	1.4 %	25.9 %	30.1 %	18.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0011 ppm	4.5159 ppm	-0.0001 ppm	0.0758 ppm	0.0003 ppm	0.0006 ppm	0.0003 ppm
Concentration per Run 1	0.0013 ppm	4.5118 ppm	0.0002 ppm	0.0748 ppm	0.0003 ppm	0.0018 ppm	0.0003 ppm
Concentration per Run 2	0.0020 ppm	4.5205 ppm	-0.0001 ppm	0.0761 ppm	0.0004 ppm	0.0012 ppm	0.0003 ppm
Concentration per Run 3	0.0000 ppm	4.5155 ppm	-0.0003 ppm	0.0765 ppm	0.0003 ppm	-0.0013 ppm	0.0004 ppm
Concentration RSD	96.2 %	0.1 %	395.8 %	1.2 %	17.7 %	276.2 %	13.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0010 ppm	106.2200 %	95.9260 %	94.3797 %	97.1065 %	95.0711 %	94.6615 %
Concentration per Run 1	0.0010 ppm	107.5056 %	95.8963 %	94.4562 %	98.4493 %	95.2137 %	94.6449 %
Concentration per Run 2	0.0010 ppm	106.1949 %	95.9458 %	94.3640 %	97.0060 %	94.9777 %	94.5946 %
Concentration per Run 3	0.0010 ppm	104.9595 %	95.9359 %	94.3190 %	95.8641 %	95.0219 %	94.7451 %
Concentration RSD	3.9 %	1.2 %	0.0 %	0.1 %	1.3 %	0.1 %	0.1 %

ICP DataTrace 5

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LabBook: WG2085564_07012025T5.imexp

Sample: WG2082734-3 WG2082734
 Analysis started at: 7/1/2025 4:37:29 PM
 Comments: <Comment>
 Rack: 1
 Vial: 47

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0639 ppm	2.4038 ppm	0.1249 ppm	1.0580 ppm	2.3889 ppm	0.0590 ppm	27.4967 ppm
Concentration per Run 1	0.0638 ppm	2.3999 ppm	0.1237 ppm	1.0539 ppm	2.3757 ppm	0.0590 ppm	27.5405 ppm
Concentration per Run 2	0.0638 ppm	2.4021 ppm	0.1234 ppm	1.0589 ppm	2.3746 ppm	0.0590 ppm	27.4580 ppm
Concentration per Run 3	0.0642 ppm	2.4094 ppm	0.1277 ppm	1.0613 ppm	2.4163 ppm	0.0589 ppm	27.4916 ppm
Concentration RSD	0.3 %	0.2 %	1.9 %	0.4 %	1.0 %	0.1 %	0.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0529 ppm	0.5529 ppm	0.2259 ppm	0.2873 ppm	1.0793 ppm	13.0513 ppm	-0.0010 ppm
Concentration per Run 1	0.0528 ppm	0.5510 ppm	0.2251 ppm	0.2867 ppm	1.0820 ppm	13.0750 ppm	-0.0003 ppm
Concentration per Run 2	0.0530 ppm	0.5537 ppm	0.2266 ppm	0.2876 ppm	1.0762 ppm	13.0569 ppm	-0.0007 ppm
Concentration per Run 3	0.0528 ppm	0.5540 ppm	0.2261 ppm	0.2877 ppm	1.0798 ppm	13.0220 ppm	-0.0019 ppm
Concentration RSD	0.2 %	0.3 %	0.3 %	0.2 %	0.3 %	0.2 %	87.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	14.0035 ppm	0.5877 ppm	0.9770 ppm	26.7364 ppm	0.5583 ppm	0.5351 ppm	0.4616 ppm
Concentration per Run 1	13.9753 ppm	0.5881 ppm	0.9719 ppm	26.7628 ppm	0.5562 ppm	0.5337 ppm	0.4521 ppm
Concentration per Run 2	14.0267 ppm	0.5873 ppm	0.9775 ppm	26.6960 ppm	0.5593 ppm	0.5371 ppm	0.4639 ppm
Concentration per Run 3	14.0085 ppm	0.5875 ppm	0.9816 ppm	26.7503 ppm	0.5593 ppm	0.5344 ppm	0.4689 ppm
Concentration RSD	0.2 %	0.1 %	0.5 %	0.1 %	0.3 %	0.3 %	1.9 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1251 ppm	5.9192 ppm	0.9685 ppm	1.1055 ppm	1.0519 ppm	0.1200 ppm	0.5748 ppm
Concentration per Run 1	0.1254 ppm	5.8945 ppm	0.9640 ppm	1.1046 ppm	1.0493 ppm	0.1204 ppm	0.5747 ppm
Concentration per Run 2	0.1245 ppm	5.9276 ppm	0.9699 ppm	1.1045 ppm	1.0538 ppm	0.1200 ppm	0.5755 ppm
Concentration per Run 3	0.1255 ppm	5.9355 ppm	0.9716 ppm	1.1073 ppm	1.0527 ppm	0.1197 ppm	0.5742 ppm
Concentration RSD	0.4 %	0.4 %	0.4 %	0.1 %	0.2 %	0.3 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5596 ppm	103.7128 %	94.7400 %	93.0962 %	95.2960 %	93.2742 %	93.2738 %
Concentration per Run 1	0.5589 ppm	103.7796 %	94.7619 %	93.0760 %	95.1800 %	93.5152 %	93.3698 %
Concentration per Run 2	0.5618 ppm	103.6883 %	94.6515 %	93.1969 %	95.3078 %	93.1762 %	93.0828 %
Concentration per Run 3	0.5582 ppm	103.6704 %	94.8066 %	93.0158 %	95.4003 %	93.1312 %	93.3687 %
Concentration RSD	0.3 %	0.1 %	0.1 %	0.1 %	0.1 %	0.2 %	0.2 %

ICP DataTrace 5

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LabBook: WG2085564_07012025T5.imexp

Sample: WG2082734-4 WG2082734
 Analysis started at: 7/1/2025 4:43:40 PM
 Comments: <Comment>
 Rack: 1
 Vial: 48

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0641 ppm	2.4070 ppm	0.1258 ppm	1.0631 ppm	2.3972 ppm	0.0591 ppm	27.6416 ppm
Concentration per Run 1	0.0645 ppm	2.3860 ppm	0.1257 ppm	1.0634 ppm	2.3825 ppm	0.0588 ppm	27.5318 ppm
Concentration per Run 2	0.0639 ppm	2.4188 ppm	0.1238 ppm	1.0613 ppm	2.4032 ppm	0.0593 ppm	27.6981 ppm
Concentration per Run 3	0.0640 ppm	2.4163 ppm	0.1280 ppm	1.0646 ppm	2.4059 ppm	0.0593 ppm	27.6950 ppm
Concentration RSD	0.5 %	0.8 %	1.7 %	0.2 %	0.5 %	0.5 %	0.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0530 ppm	0.5547 ppm	0.2258 ppm	0.2881 ppm	1.0809 ppm	13.0880 ppm	0.0003 ppm
Concentration per Run 1	0.0530 ppm	0.5546 ppm	0.2257 ppm	0.2882 ppm	1.0760 ppm	13.0728 ppm	0.0014 ppm
Concentration per Run 2	0.0530 ppm	0.5537 ppm	0.2259 ppm	0.2879 ppm	1.0830 ppm	13.0895 ppm	0.0004 ppm
Concentration per Run 3	0.0531 ppm	0.5558 ppm	0.2257 ppm	0.2882 ppm	1.0835 ppm	13.1018 ppm	-0.0011 ppm
Concentration RSD	0.1 %	0.2 %	0.0 %	0.0 %	0.4 %	0.1 %	479.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	14.0720 ppm	0.5887 ppm	0.9890 ppm	26.9175 ppm	0.5606 ppm	0.5371 ppm	0.4864 ppm
Concentration per Run 1	14.0436 ppm	0.5871 ppm	0.9895 ppm	26.8493 ppm	0.5610 ppm	0.5373 ppm	0.4807 ppm
Concentration per Run 2	14.0692 ppm	0.5899 ppm	0.9866 ppm	26.9548 ppm	0.5600 ppm	0.5363 ppm	0.4851 ppm
Concentration per Run 3	14.1033 ppm	0.5891 ppm	0.9908 ppm	26.9485 ppm	0.5609 ppm	0.5377 ppm	0.4933 ppm
Concentration RSD	0.2 %	0.2 %	0.2 %	0.2 %	0.1 %	0.1 %	1.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1248 ppm	5.9577 ppm	0.9792 ppm	1.1042 ppm	1.0566 ppm	0.1209 ppm	0.5762 ppm
Concentration per Run 1	0.1246 ppm	5.9626 ppm	0.9798 ppm	1.1018 ppm	1.0563 ppm	0.1210 ppm	0.5753 ppm
Concentration per Run 2	0.1248 ppm	5.9445 ppm	0.9777 ppm	1.1039 ppm	1.0569 ppm	0.1218 ppm	0.5763 ppm
Concentration per Run 3	0.1249 ppm	5.9660 ppm	0.9801 ppm	1.1071 ppm	1.0566 ppm	0.1199 ppm	0.5771 ppm
Concentration RSD	0.1 %	0.2 %	0.1 %	0.2 %	0.0 %	0.8 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5612 ppm	103.7226 %	94.8340 %	93.0497 %	95.0953 %	93.0816 %	93.1592 %
Concentration per Run 1	0.5615 ppm	103.4890 %	94.8098 %	93.2375 %	95.0561 %	92.9324 %	93.1620 %
Concentration per Run 2	0.5599 ppm	104.0756 %	95.1032 %	93.0834 %	95.1609 %	93.2318 %	93.3417 %
Concentration per Run 3	0.5623 ppm	103.6031 %	94.5890 %	92.8282 %	95.0690 %	93.0804 %	92.9740 %
Concentration RSD	0.2 %	0.3 %	0.3 %	0.2 %	0.1 %	0.2 %	0.2 %

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LabBook: WG2085564_07012025T5.imexp

Sample: WG2082734-5 WG2082734
 Analysis started at: 7/1/2025 4:54:44 PM
 Comments: <Comment>
 Rack: 1
 Vial: 49

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0580 ppm	2.1792 ppm	0.1180 ppm	0.9964 ppm	2.2048 ppm	0.0536 ppm	25.9708 ppm
Concentration per Run 1	0.0576 ppm	2.1583 ppm	0.1167 ppm	0.9934 ppm	2.1833 ppm	0.0529 ppm	25.6651 ppm
Concentration per Run 2	0.0583 ppm	2.1918 ppm	0.1186 ppm	0.9985 ppm	2.2158 ppm	0.0540 ppm	26.1870 ppm
Concentration per Run 3	0.0581 ppm	2.1875 ppm	0.1188 ppm	0.9974 ppm	2.2153 ppm	0.0540 ppm	26.0603 ppm
Concentration RSD	0.6 %	0.8 %	1.0 %	0.3 %	0.8 %	1.1 %	1.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0485 ppm	0.5077 ppm	0.2079 ppm	0.2638 ppm	0.9985 ppm	12.3368 ppm	-0.0002 ppm
Concentration per Run 1	0.0485 ppm	0.5066 ppm	0.2072 ppm	0.2635 ppm	0.9868 ppm	12.2345 ppm	0.0004 ppm
Concentration per Run 2	0.0486 ppm	0.5086 ppm	0.2083 ppm	0.2641 ppm	1.0038 ppm	12.3658 ppm	0.0000 ppm
Concentration per Run 3	0.0484 ppm	0.5078 ppm	0.2081 ppm	0.2637 ppm	1.0048 ppm	12.4100 ppm	-0.0009 ppm
Concentration RSD	0.2 %	0.2 %	0.3 %	0.1 %	1.0 %	0.7 %	375.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	13.1873 ppm	0.5321 ppm	0.9263 ppm	25.2260 ppm	0.5155 ppm	0.5012 ppm	0.3982 ppm
Concentration per Run 1	13.1517 ppm	0.5266 ppm	0.9217 ppm	24.9832 ppm	0.5134 ppm	0.5006 ppm	0.3828 ppm
Concentration per Run 2	13.2095 ppm	0.5357 ppm	0.9292 ppm	25.3510 ppm	0.5175 ppm	0.5026 ppm	0.3998 ppm
Concentration per Run 3	13.2008 ppm	0.5341 ppm	0.9280 ppm	25.3437 ppm	0.5157 ppm	0.5003 ppm	0.4121 ppm
Concentration RSD	0.2 %	0.9 %	0.4 %	0.8 %	0.4 %	0.2 %	3.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1158 ppm	5.3353 ppm	0.9367 ppm	1.0275 ppm	0.9892 ppm	0.1120 ppm	0.5304 ppm
Concentration per Run 1	0.1129 ppm	5.3165 ppm	0.9347 ppm	1.0196 ppm	0.9879 ppm	0.1129 ppm	0.5296 ppm
Concentration per Run 2	0.1185 ppm	5.3516 ppm	0.9374 ppm	1.0297 ppm	0.9897 ppm	0.1132 ppm	0.5306 ppm
Concentration per Run 3	0.1159 ppm	5.3379 ppm	0.9380 ppm	1.0332 ppm	0.9901 ppm	0.1098 ppm	0.5311 ppm
Concentration RSD	2.4 %	0.3 %	0.2 %	0.7 %	0.1 %	1.7 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5138 ppm	103.0091 %	95.4252 %	93.9025 %	96.5287 %	93.4535 %	93.8683 %
Concentration per Run 1	0.5134 ppm	104.2419 %	95.4101 %	93.9331 %	97.7896 %	93.6632 %	93.8327 %
Concentration per Run 2	0.5156 ppm	102.0923 %	95.3808 %	94.0184 %	95.4412 %	93.2904 %	93.8688 %
Concentration per Run 3	0.5123 ppm	102.6930 %	95.4848 %	93.7558 %	96.3552 %	93.4070 %	93.9033 %
Concentration RSD	0.3 %	1.1 %	0.1 %	0.1 %	1.2 %	0.2 %	0.0 %

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LabBook: WG2085564_07012025T5.imexp

Sample: WG2082734-6D5 WG2082734
 Analysis started at: 7/1/2025 5:00:48 PM
 Comments: <Comment>
 Rack: 1
 Vial: 50

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0021 ppm	-0.0008 ppm	0.0065 ppm	0.0081 ppm	0.0000 ppm	3.4332 ppm
Concentration per Run 1	-0.0001 ppm	0.0033 ppm	-0.0015 ppm	0.0065 ppm	0.0080 ppm	0.0001 ppm	3.4422 ppm
Concentration per Run 2	0.0001 ppm	-0.0003 ppm	-0.0001 ppm	0.0067 ppm	0.0082 ppm	0.0000 ppm	3.4382 ppm
Concentration per Run 3	-0.0001 ppm	0.0035 ppm	-0.0009 ppm	0.0063 ppm	0.0081 ppm	0.0000 ppm	3.4193 ppm
Concentration RSD	353.7 %	100.9 %	88.2 %	2.9 %	1.5 %	73.7 %	0.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0001 ppm	0.0001 ppm	0.0007 ppm	0.0043 ppm	0.5001 ppm	0.0002 ppm
Concentration per Run 1	0.0000 ppm	0.0000 ppm	0.0001 ppm	0.0008 ppm	0.0047 ppm	0.5022 ppm	0.0000 ppm
Concentration per Run 2	-0.0001 ppm	-0.0001 ppm	0.0000 ppm	0.0006 ppm	0.0041 ppm	0.4930 ppm	-0.0010 ppm
Concentration per Run 3	-0.0001 ppm	-0.0002 ppm	0.0002 ppm	0.0008 ppm	0.0041 ppm	0.5052 ppm	0.0015 ppm
Concentration RSD	73.4 %	123.9 %	90.1 %	17.2 %	8.3 %	1.3 %	758.3 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.7064 ppm	0.0002 ppm	0.0063 ppm	2.9952 ppm	0.0004 ppm	-0.0002 ppm	0.0269 ppm
Concentration per Run 1	0.7096 ppm	0.0002 ppm	0.0069 ppm	2.9882 ppm	0.0003 ppm	-0.0006 ppm	0.0293 ppm
Concentration per Run 2	0.7046 ppm	0.0002 ppm	0.0062 ppm	3.0026 ppm	0.0003 ppm	0.0006 ppm	0.0270 ppm
Concentration per Run 3	0.7048 ppm	0.0003 ppm	0.0057 ppm	2.9948 ppm	0.0006 ppm	-0.0006 ppm	0.0244 ppm
Concentration RSD	0.4 %	34.4 %	9.2 %	0.2 %	48.1 %	392.2 %	9.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0013 ppm	0.8707 ppm	0.0071 ppm	0.0157 ppm	0.0007 ppm	0.0003 ppm	-0.0001 ppm
Concentration per Run 1	0.0005 ppm	0.8680 ppm	0.0078 ppm	0.0156 ppm	0.0007 ppm	-0.0003 ppm	0.0000 ppm
Concentration per Run 2	0.0013 ppm	0.8713 ppm	0.0071 ppm	0.0157 ppm	0.0005 ppm	0.0007 ppm	0.0000 ppm
Concentration per Run 3	0.0021 ppm	0.8728 ppm	0.0064 ppm	0.0156 ppm	0.0008 ppm	0.0006 ppm	-0.0002 ppm
Concentration RSD	63.7 %	0.3 %	9.9 %	0.3 %	25.7 %	178.6 %	225.5 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0004 ppm	103.4337 %	96.9827 %	95.0832 %	94.3302 %	97.7680 %	95.1880 %
Concentration per Run 1	0.0004 ppm	103.4240 %	96.8111 %	94.9732 %	94.5135 %	98.0903 %	94.9971 %
Concentration per Run 2	0.0005 ppm	103.6514 %	96.9182 %	95.0934 %	94.1650 %	97.5842 %	95.1203 %
Concentration per Run 3	0.0004 ppm	103.2257 %	97.2187 %	95.1831 %	94.3121 %	97.6295 %	95.4465 %
Concentration RSD	6.1 %	0.2 %	0.2 %	0.1 %	0.2 %	0.3 %	0.2 %

ICP DataTrace 5

7/1/2025 7:30:54 PM



LabBook: WG2085564_07012025T5.imexp

Sample: CCV
 Analysis started at: 7/1/2025 5:07:10 PM
 Comments: <Comment>
 Rack: 0
 Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.5494 ppm	0.5163 ppm	0.4843 ppm	0.5008 ppm	0.5279 ppm	0.5266 ppm	0.5194 ppm
Concentration per Run 1	0.5478 ppm	0.5277 ppm	0.4850 ppm	0.5002 ppm	0.5384 ppm	0.5366 ppm	0.5275 ppm
Concentration per Run 2	0.5508 ppm	0.5140 ppm	0.4834 ppm	0.5012 ppm	0.5246 ppm	0.5237 ppm	0.5157 ppm
Concentration per Run 3	0.5495 ppm	0.5072 ppm	0.4844 ppm	0.5010 ppm	0.5206 ppm	0.5196 ppm	0.5151 ppm
Recovery Percentage 1	109.872 %	103.265 %	96.855 %	100.165 %	105.572 %	105.324 %	103.887 %
Concentration RSD	0.3 %	2.0 %	0.2 %	0.1 %	1.8 %	1.7 %	1.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4908 ppm	0.5053 ppm	0.5054 ppm	0.5118 ppm	0.4886 ppm	5.1877 ppm	0.5516 ppm
Concentration per Run 1	0.4911 ppm	0.5053 ppm	0.5052 ppm	0.5111 ppm	0.4962 ppm	5.2602 ppm	0.5631 ppm
Concentration per Run 2	0.4901 ppm	0.5053 ppm	0.5055 ppm	0.5123 ppm	0.4854 ppm	5.1573 ppm	0.5481 ppm
Concentration per Run 3	0.4913 ppm	0.5053 ppm	0.5056 ppm	0.5118 ppm	0.4841 ppm	5.1456 ppm	0.5435 ppm
Recovery Percentage 1	98.169 %	101.058 %	101.087 %	102.352 %	97.714 %	103.754 %	110.316 %
Concentration RSD	0.1 %	0.0 %	0.0 %	0.1 %	1.4 %	1.2 %	1.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5201 ppm	0.5381 ppm	0.4911 ppm	10.9204 ppm	0.5051 ppm	0.5049 ppm	0.5357 ppm
Concentration per Run 1	0.5199 ppm	0.5477 ppm	0.4906 ppm	11.1236 ppm	0.5059 ppm	0.5041 ppm	0.5393 ppm
Concentration per Run 2	0.5225 ppm	0.5343 ppm	0.4903 ppm	10.8529 ppm	0.5039 ppm	0.5056 ppm	0.5350 ppm
Concentration per Run 3	0.5178 ppm	0.5323 ppm	0.4924 ppm	10.7846 ppm	0.5056 ppm	0.5051 ppm	0.5327 ppm
Recovery Percentage 1	104.012 %	107.618 %	98.223 %	109.204 %	101.026 %	100.984 %	107.131 %
Concentration RSD	0.4 %	1.6 %	0.2 %	1.6 %	0.2 %	0.2 %	0.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4877 ppm	5.5090 ppm	0.5035 ppm	0.5130 ppm	0.5123 ppm	0.5115 ppm	0.5078 ppm
Concentration per Run 1	0.4871 ppm	5.5066 ppm	0.5031 ppm	0.5224 ppm	0.5125 ppm	0.5119 ppm	0.5087 ppm
Concentration per Run 2	0.4889 ppm	5.5083 ppm	0.5047 ppm	0.5103 ppm	0.5117 ppm	0.5102 ppm	0.5078 ppm
Concentration per Run 3	0.4870 ppm	5.5122 ppm	0.5028 ppm	0.5065 ppm	0.5127 ppm	0.5123 ppm	0.5070 ppm
Recovery Percentage 1	97.536 %	104.934 %	100.703 %	102.609 %	102.463 %	102.296 %	101.563 %
Concentration RSD	0.2 %	0.1 %	0.2 %	1.6 %	0.1 %	0.2 %	0.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4991 ppm	100.1854 %	96.0058 %	94.5822 %	93.2009 %	95.3052 %	94.9381 %
Concentration per Run 1	0.4992 ppm	98.7702 %	95.8432 %	94.7394 %	91.7855 %	95.2609 %	94.7500 %
Concentration per Run 2	0.4985 ppm	100.1525 %	96.1116 %	94.5604 %	93.4210 %	95.3750 %	95.0517 %
Concentration per Run 3	0.4994 ppm	101.6336 %	96.0626 %	94.4468 %	94.3963 %	95.2798 %	95.0125 %
Recovery Percentage 1	99.812 %						
Concentration RSD	0.1 %	1.4 %	0.1 %	0.2 %	1.4 %	0.1 %	0.2 %

ICP DataTrace 5

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LabBook: WG2085564_07012025T5.imexp

Sample: CCB
Analysis started at: 7/1/2025 5:13:17 PM
Comments: <Comment>
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.0058 ppm	0.0003 ppm	0.0026 ppm	0.0001 ppm	0.0001 ppm	0.0108 ppm
Concentration per Run 1	0.0002 ppm	0.0008 ppm	0.0011 ppm	0.0028 ppm	0.0001 ppm	0.0001 ppm	0.0115 ppm
Concentration per Run 2	-0.0002 ppm	0.0079 ppm	-0.0011 ppm	0.0024 ppm	0.0001 ppm	0.0001 ppm	0.0099 ppm
Concentration per Run 3	-0.0001 ppm	0.0086 ppm	0.0010 ppm	0.0025 ppm	0.0001 ppm	0.0001 ppm	0.0111 ppm
Recovery Percentage 1	-0.994 %	5.785 %	6.960 %	8.535 %	0.762 %	1.670 %	10.832 %
Concentration RSD	303.2 %	74.2 %	357.4 %	7.8 %	27.8 %	48.5 %	7.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0002 ppm	-0.0002 ppm	0.0007 ppm	0.0017 ppm	0.0365 ppm	-0.0004 ppm
Concentration per Run 1	0.0000 ppm	-0.0002 ppm	-0.0001 ppm	0.0007 ppm	0.0018 ppm	0.0420 ppm	-0.0012 ppm
Concentration per Run 2	0.0000 ppm	-0.0001 ppm	0.0000 ppm	0.0007 ppm	0.0010 ppm	0.0379 ppm	0.0001 ppm
Concentration per Run 3	0.0000 ppm	-0.0002 ppm	-0.0004 ppm	0.0007 ppm	0.0023 ppm	0.0296 ppm	-0.0002 ppm
Recovery Percentage 1	0.236 %	-0.750 %	-1.779 %	7.095 %	3.424 %	1.460 %	-4.367 %
Concentration RSD	119.5 %	33.7 %	93.1 %	3.7 %	37.2 %	17.3 %	156.1 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	-0.0002 ppm	0.0002 ppm	0.0025 ppm	0.0333 ppm	0.0002 ppm	0.0001 ppm	0.0024 ppm
Concentration per Run 1	0.0009 ppm	0.0001 ppm	0.0027 ppm	0.0330 ppm	0.0002 ppm	0.0001 ppm	0.0019 ppm
Concentration per Run 2	-0.0007 ppm	0.0001 ppm	0.0025 ppm	0.0314 ppm	0.0000 ppm	-0.0002 ppm	0.0030 ppm
Concentration per Run 3	-0.0008 ppm	0.0003 ppm	0.0021 ppm	0.0356 ppm	0.0003 ppm	0.0004 ppm	0.0023 ppm
Recovery Percentage 1	-0.220 %	1.614 %	4.917 %	1.667 %	0.652 %	0.773 %	4.859 %
Concentration RSD	432.6 %	77.7 %	13.0 %	6.2 %	99.8 %	407.6 %	23.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0018 ppm	0.0005 ppm	0.0012 ppm	0.0002 ppm	0.0003 ppm	-0.0007 ppm	0.0002 ppm
Concentration per Run 1	0.0012 ppm	0.0010 ppm	0.0011 ppm	0.0002 ppm	0.0002 ppm	-0.0001 ppm	0.0002 ppm
Concentration per Run 2	0.0013 ppm	0.0010 ppm	0.0012 ppm	0.0002 ppm	0.0006 ppm	-0.0019 ppm	0.0002 ppm
Concentration per Run 3	0.0029 ppm	-0.0003 ppm	0.0013 ppm	0.0001 ppm	0.0001 ppm	-0.0002 ppm	0.0001 ppm
Recovery Percentage 1	17.902 %	0.108 %	2.371 %	1.588 %	3.416 %	-3.682 %	1.916 %
Concentration RSD	51.9 %	142.2 %	12.4 %	21.9 %	78.6 %	136.3 %	25.8 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0004 ppm	103.0034 %	97.3195 %	95.4279 %	93.4778 %	96.5472 %	94.7367 %
Concentration per Run 1	0.0004 ppm	103.5129 %	97.3109 %	95.5863 %	93.6798 %	96.4326 %	94.8253 %
Concentration per Run 2	0.0003 ppm	103.1563 %	97.2987 %	95.3315 %	93.7401 %	96.6272 %	94.6232 %
Concentration per Run 3	0.0004 ppm	102.3409 %	97.3488 %	95.3657 %	93.0135 %	96.5819 %	94.7617 %
Recovery Percentage 1	7.647 %						
Concentration RSD	14.1 %	0.6 %	0.0 %	0.1 %	0.4 %	0.1 %	0.1 %

ICP DataTrace 5

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LabBook: WG2085564_07012025T5.imexp

Sample: LDR 5 Sr
 Analysis started at: 7/1/2025 5:24:25 PM
 Comments: <Comment>
 Rack: 2
 Vial: 6

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	0.0024 ppm	0.0008 ppm	0.0015 ppm	-0.0060 ppm	0.0000 ppm	0.0108 ppm
Concentration per Run 1	0.0005 ppm	0.0032 ppm	0.0005 ppm	0.0014 ppm	-0.0059 ppm	0.0000 ppm	0.0125 ppm
Concentration per Run 2	0.0002 ppm	0.0052 ppm	0.0001 ppm	0.0018 ppm	-0.0060 ppm	0.0000 ppm	0.0089 ppm
Concentration per Run 3	-0.0001 ppm	-0.0012 ppm	0.0019 ppm	0.0013 ppm	-0.0062 ppm	0.0000 ppm	0.0111 ppm
Concentration RSD	170.2 %	134.3 %	111.2 %	17.3 %	2.1 %	86.9 %	16.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0001 ppm	-0.0001 ppm	0.0008 ppm	0.0009 ppm	0.0227 ppm	-0.0006 ppm
Concentration per Run 1	0.0000 ppm	-0.0003 ppm	-0.0001 ppm	0.0009 ppm	0.0011 ppm	0.0250 ppm	-0.0005 ppm
Concentration per Run 2	0.0000 ppm	0.0001 ppm	0.0000 ppm	0.0008 ppm	0.0020 ppm	0.0182 ppm	-0.0003 ppm
Concentration per Run 3	-0.0001 ppm	-0.0001 ppm	-0.0002 ppm	0.0006 ppm	-0.0003 ppm	0.0250 ppm	-0.0010 ppm
Concentration RSD	157.9 %	173.0 %	87.1 %	19.9 %	120.7 %	17.3 %	51.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	-0.0005 ppm	0.0000 ppm	0.0005 ppm	0.0224 ppm	0.0002 ppm	-0.0002 ppm	0.0015 ppm
Concentration per Run 1	0.0008 ppm	-0.0002 ppm	0.0006 ppm	0.0269 ppm	0.0002 ppm	0.0001 ppm	0.0018 ppm
Concentration per Run 2	-0.0011 ppm	0.0001 ppm	0.0006 ppm	0.0225 ppm	0.0000 ppm	-0.0001 ppm	0.0014 ppm
Concentration per Run 3	-0.0012 ppm	0.0000 ppm	0.0005 ppm	0.0178 ppm	0.0002 ppm	-0.0006 ppm	0.0013 ppm
Concentration RSD	223.8 %	434.5 %	8.3 %	20.1 %	69.8 %	188.0 %	17.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0023 ppm	-0.0011 ppm	0.0005 ppm	4.9800 ppm	0.0001 ppm	0.0011 ppm	0.0001 ppm
Concentration per Run 1	0.0033 ppm	-0.0014 ppm	0.0006 ppm	4.9390 ppm	0.0002 ppm	0.0013 ppm	0.0001 ppm
Concentration per Run 2	0.0004 ppm	-0.0013 ppm	0.0002 ppm	4.9673 ppm	0.0000 ppm	0.0004 ppm	0.0002 ppm
Concentration per Run 3	0.0031 ppm	-0.0007 ppm	0.0006 ppm	5.0338 ppm	0.0001 ppm	0.0017 ppm	0.0001 ppm
Concentration RSD	72.3 %	31.8 %	46.4 %	1.0 %	138.2 %	60.5 %	54.3 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0010 ppm	104.2485 %	97.3414 %	95.4388 %	94.2192 %	96.7764 %	94.1319 %
Concentration per Run 1	0.0010 ppm	104.9398 %	97.0750 %	95.5015 %	94.6106 %	96.8067 %	93.8641 %
Concentration per Run 2	0.0010 ppm	104.6642 %	97.5040 %	95.5474 %	94.4744 %	96.8356 %	94.2736 %
Concentration per Run 3	0.0011 ppm	103.1415 %	97.4453 %	95.2676 %	93.5725 %	96.6868 %	94.2580 %
Concentration RSD	5.2 %	0.9 %	0.2 %	0.2 %	0.6 %	0.1 %	0.2 %

ICP DataTrace 5

7/1/2025 7:30:54 PM



LabBook: WG2085564_07012025T5.imexp

Sample: L2536247-13 WG2082734
 Analysis started at: 7/1/2025 5:35:46 PM
 Comments: <Comment>
 Rack: 1
 Vial: 59

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.0147 ppm	0.0000 ppm	0.0213 ppm	0.0221 ppm	0.0000 ppm	25.6769 ppm
Concentration per Run 1	-0.0004 ppm	0.0088 ppm	-0.0003 ppm	0.0212 ppm	0.0218 ppm	0.0001 ppm	25.4122 ppm
Concentration per Run 2	0.0000 ppm	0.0185 ppm	-0.0011 ppm	0.0214 ppm	0.0222 ppm	0.0000 ppm	25.8300 ppm
Concentration per Run 3	0.0002 ppm	0.0169 ppm	0.0015 ppm	0.0211 ppm	0.0222 ppm	0.0000 ppm	25.7884 ppm
Concentration RSD	548.4 %	35.4 %	5,450.0 %	0.8 %	0.9 %	92.7 %	0.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	-0.0001 ppm	0.0006 ppm	0.0103 ppm	0.0104 ppm	2.0198 ppm	-0.0002 ppm
Concentration per Run 1	-0.0001 ppm	0.0000 ppm	0.0009 ppm	0.0103 ppm	0.0102 ppm	2.0200 ppm	0.0004 ppm
Concentration per Run 2	-0.0001 ppm	0.0000 ppm	0.0006 ppm	0.0104 ppm	0.0106 ppm	2.0288 ppm	-0.0005 ppm
Concentration per Run 3	-0.0001 ppm	-0.0002 ppm	0.0002 ppm	0.0104 ppm	0.0103 ppm	2.0106 ppm	-0.0005 ppm
Concentration RSD	25.7 %	196.6 %	60.3 %	0.5 %	1.7 %	0.5 %	262.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	4.9538 ppm	0.0017 ppm	0.0007 ppm	11.7607 ppm	0.0019 ppm	0.0000 ppm	-0.0005 ppm
Concentration per Run 1	4.9595 ppm	0.0017 ppm	0.0008 ppm	11.6294 ppm	0.0022 ppm	0.0001 ppm	-0.0010 ppm
Concentration per Run 2	4.9550 ppm	0.0019 ppm	0.0006 ppm	11.8584 ppm	0.0018 ppm	-0.0001 ppm	0.0003 ppm
Concentration per Run 3	4.9471 ppm	0.0015 ppm	0.0007 ppm	11.7944 ppm	0.0016 ppm	0.0002 ppm	-0.0008 ppm
Concentration RSD	0.1 %	11.0 %	14.4 %	1.0 %	14.1 %	442.8 %	131.6 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0017 ppm	2.4100 ppm	0.0002 ppm	0.0717 ppm	0.0003 ppm	0.0008 ppm	0.0008 ppm
Concentration per Run 1	0.0032 ppm	2.4099 ppm	0.0005 ppm	0.0712 ppm	0.0003 ppm	-0.0009 ppm	0.0009 ppm
Concentration per Run 2	-0.0005 ppm	2.4065 ppm	-0.0001 ppm	0.0718 ppm	0.0004 ppm	0.0025 ppm	0.0007 ppm
Concentration per Run 3	0.0024 ppm	2.4137 ppm	0.0002 ppm	0.0719 ppm	0.0002 ppm	0.0008 ppm	0.0007 ppm
Concentration RSD	117.1 %	0.1 %	126.4 %	0.5 %	35.3 %	212.4 %	17.9 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0184 ppm	104.2860 %	95.6530 %	93.4187 %	96.4265 %	94.8338 %	94.2572 %
Concentration per Run 1	0.0183 ppm	104.7738 %	95.6714 %	93.5234 %	97.3611 %	94.8579 %	94.2366 %
Concentration per Run 2	0.0185 ppm	104.4013 %	95.5963 %	93.5364 %	96.0999 %	94.8760 %	94.2467 %
Concentration per Run 3	0.0183 ppm	103.6830 %	95.6914 %	93.1964 %	95.8184 %	94.7675 %	94.2882 %
Concentration RSD	0.5 %	0.5 %	0.1 %	0.2 %	0.9 %	0.1 %	0.0 %

ICP DataTrace 5

7/1/2025 7:30:54 PM



LabBook: WG2085564_07012025T5.imexp

Sample: L2536247-14 WG2082734
 Analysis started at: 7/1/2025 5:42:09 PM
 Comments: <Comment>
 Rack: 1
 Vial: 60

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0003 ppm	0.0117 ppm	0.0001 ppm	0.0183 ppm	0.0464 ppm	0.0000 ppm	25.8684 ppm
Concentration per Run 1	-0.0003 ppm	0.0103 ppm	0.0014 ppm	0.0183 ppm	0.0459 ppm	0.0000 ppm	25.5601 ppm
Concentration per Run 2	-0.0004 ppm	0.0073 ppm	-0.0001 ppm	0.0182 ppm	0.0466 ppm	0.0000 ppm	26.0682 ppm
Concentration per Run 3	-0.0001 ppm	0.0175 ppm	-0.0010 ppm	0.0185 ppm	0.0468 ppm	0.0000 ppm	25.9768 ppm
Concentration RSD	57.8 %	44.7 %	1,227.4 %	0.8 %	1.1 %	69.4 %	1.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	-0.0001 ppm	0.0013 ppm	0.0029 ppm	0.0182 ppm	0.9707 ppm	0.0008 ppm
Concentration per Run 1	-0.0001 ppm	-0.0001 ppm	0.0009 ppm	0.0029 ppm	0.0182 ppm	0.9403 ppm	0.0013 ppm
Concentration per Run 2	-0.0001 ppm	-0.0003 ppm	0.0013 ppm	0.0028 ppm	0.0188 ppm	0.9906 ppm	0.0008 ppm
Concentration per Run 3	-0.0001 ppm	-0.0001 ppm	0.0016 ppm	0.0029 ppm	0.0177 ppm	0.9812 ppm	0.0003 ppm
Concentration RSD	20.4 %	62.8 %	26.2 %	2.9 %	2.9 %	2.8 %	65.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	6.2221 ppm	0.0031 ppm	0.0002 ppm	10.2700 ppm	0.0011 ppm	-0.0004 ppm	-0.0001 ppm
Concentration per Run 1	6.2322 ppm	0.0028 ppm	0.0001 ppm	10.1369 ppm	0.0012 ppm	0.0000 ppm	0.0001 ppm
Concentration per Run 2	6.2274 ppm	0.0032 ppm	0.0002 ppm	10.3446 ppm	0.0009 ppm	-0.0005 ppm	0.0005 ppm
Concentration per Run 3	6.2067 ppm	0.0033 ppm	0.0002 ppm	10.3286 ppm	0.0012 ppm	-0.0008 ppm	-0.0010 ppm
Concentration RSD	0.2 %	8.7 %	17.5 %	1.1 %	13.0 %	93.2 %	514.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0027 ppm	3.3350 ppm	-0.0002 ppm	0.0867 ppm	0.0005 ppm	0.0004 ppm	0.0001 ppm
Concentration per Run 1	0.0033 ppm	3.3293 ppm	-0.0003 ppm	0.0857 ppm	0.0002 ppm	0.0007 ppm	0.0001 ppm
Concentration per Run 2	0.0028 ppm	3.3416 ppm	0.0000 ppm	0.0872 ppm	0.0006 ppm	0.0013 ppm	0.0001 ppm
Concentration per Run 3	0.0021 ppm	3.3342 ppm	-0.0004 ppm	0.0871 ppm	0.0005 ppm	-0.0009 ppm	0.0001 ppm
Concentration RSD	21.3 %	0.2 %	98.3 %	0.9 %	46.4 %	293.8 %	15.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0036 ppm	103.6519 %	95.8855 %	93.5975 %	96.4903 %	94.6596 %	94.9065 %
Concentration per Run 1	0.0036 ppm	104.5153 %	95.7994 %	93.7067 %	97.4903 %	94.6855 %	94.8606 %
Concentration per Run 2	0.0036 ppm	102.9215 %	95.9429 %	93.5633 %	95.6695 %	94.5151 %	94.8660 %
Concentration per Run 3	0.0036 ppm	103.5191 %	95.9142 %	93.5223 %	96.3111 %	94.7781 %	94.9930 %
Concentration RSD	0.8 %	0.8 %	0.1 %	0.1 %	1.0 %	0.1 %	0.1 %

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LabBook: WG2085564_07012025T5.imexp

Sample: L2536247-15 WG2082734
 Analysis started at: 7/1/2025 5:48:32 PM
 Comments: <Comment>
 Rack: 2
 Vial: 1

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0002 ppm	0.0127 ppm	0.0001 ppm	0.0481 ppm	0.0242 ppm	0.0000 ppm	29.4750 ppm
Concentration per Run 1	0.0001 ppm	0.0168 ppm	0.0013 ppm	0.0482 ppm	0.0240 ppm	0.0000 ppm	29.1779 ppm
Concentration per Run 2	0.0007 ppm	0.0115 ppm	0.0003 ppm	0.0476 ppm	0.0245 ppm	0.0000 ppm	29.6396 ppm
Concentration per Run 3	-0.0001 ppm	0.0100 ppm	-0.0013 ppm	0.0487 ppm	0.0241 ppm	0.0000 ppm	29.6075 ppm
Concentration RSD	181.2 %	28.1 %	1,598.6 %	1.2 %	1.0 %	115.3 %	0.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0000 ppm	0.0006 ppm	0.0011 ppm	0.0476 ppm	1.5673 ppm	-0.0004 ppm
Concentration per Run 1	-0.0002 ppm	-0.0001 ppm	0.0006 ppm	0.0013 ppm	0.0469 ppm	1.5664 ppm	-0.0010 ppm
Concentration per Run 2	-0.0001 ppm	0.0000 ppm	0.0004 ppm	0.0010 ppm	0.0479 ppm	1.5676 ppm	-0.0001 ppm
Concentration per Run 3	-0.0002 ppm	0.0000 ppm	0.0007 ppm	0.0011 ppm	0.0480 ppm	1.5678 ppm	-0.0001 ppm
Concentration RSD	28.9 %	64.7 %	24.7 %	14.3 %	1.2 %	0.1 %	137.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	7.7561 ppm	0.0555 ppm	0.0001 ppm	10.7946 ppm	0.0007 ppm	0.0000 ppm	-0.0006 ppm
Concentration per Run 1	7.7497 ppm	0.0549 ppm	0.0001 ppm	10.6883 ppm	0.0007 ppm	0.0003 ppm	-0.0007 ppm
Concentration per Run 2	7.7650 ppm	0.0561 ppm	0.0002 ppm	10.8705 ppm	0.0008 ppm	-0.0002 ppm	-0.0005 ppm
Concentration per Run 3	7.7537 ppm	0.0556 ppm	0.0001 ppm	10.8250 ppm	0.0005 ppm	-0.0001 ppm	-0.0008 ppm
Concentration RSD	0.1 %	1.0 %	24.9 %	0.9 %	19.6 %	1,867.1 %	21.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0002 ppm	4.6985 ppm	-0.0002 ppm	0.0876 ppm	0.0002 ppm	0.0001 ppm	0.0004 ppm
Concentration per Run 1	0.0004 ppm	4.7096 ppm	-0.0001 ppm	0.0869 ppm	0.0003 ppm	0.0008 ppm	0.0002 ppm
Concentration per Run 2	-0.0015 ppm	4.6800 ppm	0.0001 ppm	0.0880 ppm	0.0002 ppm	-0.0015 ppm	0.0005 ppm
Concentration per Run 3	0.0018 ppm	4.7058 ppm	-0.0008 ppm	0.0880 ppm	0.0000 ppm	0.0009 ppm	0.0006 ppm
Concentration RSD	695.9 %	0.3 %	199.4 %	0.7 %	95.0 %	1,675.8 %	45.7 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0021 ppm	104.4603 %	95.5797 %	93.8160 %	96.6536 %	94.3993 %	94.3120 %
Concentration per Run 1	0.0021 ppm	105.4771 %	95.7246 %	93.8628 %	97.7670 %	94.3222 %	94.3999 %
Concentration per Run 2	0.0019 ppm	103.6834 %	95.3719 %	93.8148 %	95.7037 %	94.5584 %	94.1716 %
Concentration per Run 3	0.0021 ppm	104.2205 %	95.6426 %	93.7703 %	96.4901 %	94.3171 %	94.3645 %
Concentration RSD	5.3 %	0.9 %	0.2 %	0.0 %	1.1 %	0.1 %	0.1 %

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LabBook: WG2085564_07012025T5.imexp

Sample: L2536247-16 WG2082734
 Analysis started at: 7/1/2025 5:54:54 PM
 Comments: <Comment>
 Rack: 2
 Vial: 2

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.0092 ppm	0.0017 ppm	0.0124 ppm	0.0230 ppm	0.0000 ppm	25.0744 ppm
Concentration per Run 1	0.0001 ppm	0.0087 ppm	0.0014 ppm	0.0124 ppm	0.0231 ppm	0.0000 ppm	25.0824 ppm
Concentration per Run 2	0.0000 ppm	0.0133 ppm	0.0025 ppm	0.0123 ppm	0.0230 ppm	0.0000 ppm	25.0887 ppm
Concentration per Run 3	-0.0005 ppm	0.0055 ppm	0.0011 ppm	0.0127 ppm	0.0230 ppm	0.0000 ppm	25.0522 ppm
Concentration RSD	232.4 %	42.8 %	43.7 %	1.6 %	0.3 %	91.6 %	0.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0002 ppm	-0.0002 ppm	0.0005 ppm	0.0016 ppm	0.0156 ppm	1.5432 ppm	0.0006 ppm
Concentration per Run 1	-0.0001 ppm	0.0000 ppm	0.0005 ppm	0.0017 ppm	0.0156 ppm	1.5515 ppm	0.0005 ppm
Concentration per Run 2	-0.0001 ppm	-0.0003 ppm	0.0005 ppm	0.0016 ppm	0.0158 ppm	1.5259 ppm	0.0002 ppm
Concentration per Run 3	-0.0002 ppm	-0.0003 ppm	0.0006 ppm	0.0015 ppm	0.0153 ppm	1.5522 ppm	0.0011 ppm
Concentration RSD	7.4 %	87.1 %	11.0 %	4.2 %	1.4 %	1.0 %	84.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	5.1952 ppm	0.0032 ppm	0.0001 ppm	9.7490 ppm	0.0018 ppm	-0.0003 ppm	-0.0003 ppm
Concentration per Run 1	5.1917 ppm	0.0030 ppm	0.0001 ppm	9.7569 ppm	0.0018 ppm	-0.0005 ppm	-0.0001 ppm
Concentration per Run 2	5.1952 ppm	0.0032 ppm	0.0002 ppm	9.7189 ppm	0.0018 ppm	-0.0002 ppm	0.0003 ppm
Concentration per Run 3	5.1986 ppm	0.0033 ppm	0.0001 ppm	9.7713 ppm	0.0017 ppm	-0.0001 ppm	-0.0011 ppm
Concentration RSD	0.1 %	3.4 %	39.3 %	0.3 %	4.4 %	76.8 %	244.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0013 ppm	2.8495 ppm	-0.0004 ppm	0.0691 ppm	0.0004 ppm	0.0003 ppm	0.0008 ppm
Concentration per Run 1	0.0026 ppm	2.8520 ppm	-0.0005 ppm	0.0690 ppm	0.0002 ppm	-0.0016 ppm	0.0009 ppm
Concentration per Run 2	-0.0012 ppm	2.8388 ppm	-0.0004 ppm	0.0690 ppm	0.0004 ppm	0.0025 ppm	0.0006 ppm
Concentration per Run 3	0.0025 ppm	2.8576 ppm	-0.0004 ppm	0.0694 ppm	0.0005 ppm	0.0001 ppm	0.0008 ppm
Concentration RSD	163.2 %	0.3 %	17.3 %	0.3 %	31.7 %	630.3 %	23.8 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0025 ppm	103.7995 %	96.4929 %	94.5434 %	96.7065 %	94.5994 %	95.0386 %
Concentration per Run 1	0.0025 ppm	103.9251 %	96.5789 %	94.5315 %	96.8492 %	94.5214 %	95.2469 %
Concentration per Run 2	0.0025 ppm	103.3345 %	96.5287 %	94.5045 %	96.3666 %	94.7636 %	94.9852 %
Concentration per Run 3	0.0024 ppm	104.1389 %	96.3712 %	94.5943 %	96.9038 %	94.5132 %	94.8835 %
Concentration RSD	1.7 %	0.4 %	0.1 %	0.0 %	0.3 %	0.2 %	0.2 %

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LabBook: WG2085564_07012025T5.imexp

Sample: L2536247-08 WG2082734
 Analysis started at: 7/1/2025 6:01:15 PM
 Comments: <Comment>
 Rack: 1
 Vial: 51

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0003 ppm	0.0117 ppm	-0.0009 ppm	0.0138 ppm	0.0015 ppm	0.0000 ppm	33.0978 ppm
Concentration per Run 1	0.0000 ppm	0.0094 ppm	-0.0018 ppm	0.0140 ppm	0.0015 ppm	0.0000 ppm	33.5498 ppm
Concentration per Run 2	-0.0005 ppm	0.0160 ppm	-0.0009 ppm	0.0134 ppm	0.0014 ppm	0.0000 ppm	32.9950 ppm
Concentration per Run 3	-0.0003 ppm	0.0097 ppm	-0.0002 ppm	0.0140 ppm	0.0015 ppm	0.0000 ppm	32.7485 ppm
Concentration RSD	96.0 %	31.4 %	84.5 %	2.5 %	3.7 %	533.2 %	1.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	-0.0003 ppm	0.0003 ppm	0.0010 ppm	0.0558 ppm	1.6576 ppm	0.0031 ppm
Concentration per Run 1	-0.0001 ppm	-0.0003 ppm	0.0003 ppm	0.0008 ppm	0.0581 ppm	1.6596 ppm	0.0025 ppm
Concentration per Run 2	-0.0001 ppm	-0.0001 ppm	0.0003 ppm	0.0011 ppm	0.0557 ppm	1.6405 ppm	0.0028 ppm
Concentration per Run 3	-0.0001 ppm	-0.0004 ppm	0.0004 ppm	0.0009 ppm	0.0537 ppm	1.6728 ppm	0.0041 ppm
Concentration RSD	14.3 %	47.0 %	23.8 %	15.7 %	3.9 %	1.0 %	26.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	4.0981 ppm	0.0786 ppm	0.0001 ppm	9.1981 ppm	-0.0005 ppm	0.0004 ppm	-0.0009 ppm
Concentration per Run 1	4.0919 ppm	0.0796 ppm	0.0000 ppm	9.2996 ppm	-0.0004 ppm	0.0002 ppm	-0.0004 ppm
Concentration per Run 2	4.0913 ppm	0.0787 ppm	0.0002 ppm	9.1872 ppm	-0.0006 ppm	0.0000 ppm	-0.0013 ppm
Concentration per Run 3	4.1111 ppm	0.0774 ppm	0.0003 ppm	9.1073 ppm	-0.0005 ppm	0.0009 ppm	-0.0011 ppm
Concentration RSD	0.3 %	1.4 %	113.5 %	1.1 %	19.2 %	135.3 %	51.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	-0.0007 ppm	22.6210 [SIC 200]	-0.0001 ppm	0.1644 ppm	0.0003 ppm	-0.0006 ppm	0.0002 ppm
Concentration per Run 1	0.0000 ppm	22.6481 ppm	0.0005 ppm	0.1667 ppm	0.0004 ppm	-0.0012 ppm	0.0001 ppm
Concentration per Run 2	-0.0011 ppm	22.5761 ppm	-0.0004 ppm	0.1638 ppm	0.0002 ppm	-0.0003 ppm	0.0001 ppm
Concentration per Run 3	-0.0010 ppm	22.6388 ppm	-0.0004 ppm	0.1627 ppm	0.0004 ppm	-0.0002 ppm	0.0004 ppm
Concentration RSD	84.2 %	0.2 %	404.3 %	1.3 %	42.4 %	102.7 %	85.2 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0004 ppm	102.2384 %	96.9214 %	94.8624 %	94.3207 %	94.4054 %	95.1878 %
Concentration per Run 1	0.0004 ppm	100.7709 %	96.8339 %	94.8784 %	93.2680 %	94.2830 %	95.2729 %
Concentration per Run 2	0.0004 ppm	103.1826 %	97.1133 %	95.1013 %	94.9845 %	94.6251 %	95.3522 %
Concentration per Run 3	0.0004 ppm	102.7617 %	96.8170 %	94.6074 %	94.7096 %	94.3081 %	94.9384 %
Concentration RSD	1.6 %	1.3 %	0.2 %	0.3 %	1.0 %	0.2 %	0.2 %

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LabBook: WG2085564_07012025T5.imexp

Sample: WG2082734-7 WG2082734
 Analysis started at: 7/1/2025 6:07:37 PM
 Comments: <Comment>
 Rack: 1
 Vial: 52

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0615 ppm	2.3114 ppm	0.1255 ppm	1.0517 ppm	2.2898 ppm	0.0568 ppm	41.2168 ppm
Concentration per Run 1	0.0614 ppm	2.2759 ppm	0.1245 ppm	1.0490 ppm	2.2529 ppm	0.0558 ppm	40.5513 ppm
Concentration per Run 2	0.0613 ppm	2.3216 ppm	0.1259 ppm	1.0512 ppm	2.3027 ppm	0.0573 ppm	41.4768 ppm
Concentration per Run 3	0.0618 ppm	2.3366 ppm	0.1259 ppm	1.0548 ppm	2.3139 ppm	0.0575 ppm	41.6224 ppm
Concentration RSD	0.4 %	1.4 %	0.7 %	0.3 %	1.4 %	1.6 %	1.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0511 ppm	0.5353 ppm	0.2169 ppm	0.2816 ppm	1.0757 ppm	11.9574 ppm	0.0038 ppm
Concentration per Run 1	0.0511 ppm	0.5350 ppm	0.2166 ppm	0.2811 ppm	1.0649 ppm	11.7919 ppm	0.0039 ppm
Concentration per Run 2	0.0511 ppm	0.5354 ppm	0.2172 ppm	0.2820 ppm	1.0800 ppm	12.0492 ppm	0.0049 ppm
Concentration per Run 3	0.0511 ppm	0.5354 ppm	0.2170 ppm	0.2816 ppm	1.0821 ppm	12.0312 ppm	0.0026 ppm
Concentration RSD	0.0 %	0.0 %	0.1 %	0.2 %	0.9 %	1.2 %	30.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	14.3659 ppm	0.6330 ppm	0.9801 ppm	20.1876 ppm	0.5425 ppm	0.5331 ppm	0.4500 ppm
Concentration per Run 1	14.3231 ppm	0.6216 ppm	0.9767 ppm	19.8434 ppm	0.5422 ppm	0.5329 ppm	0.4425 ppm
Concentration per Run 2	14.3837 ppm	0.6366 ppm	0.9797 ppm	20.3262 ppm	0.5428 ppm	0.5326 ppm	0.4486 ppm
Concentration per Run 3	14.3910 ppm	0.6407 ppm	0.9839 ppm	20.3934 ppm	0.5424 ppm	0.5340 ppm	0.4590 ppm
Concentration RSD	0.3 %	1.6 %	0.4 %	1.5 %	0.0 %	0.1 %	1.9 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.1239 ppm	23.5146 [SIC 200]	0.9696 ppm	1.1597 ppm	1.0443 ppm	0.1211 ppm	0.5570 ppm
Concentration per Run 1	0.1243 ppm	23.4854 ppm	0.9687 ppm	1.1454 ppm	1.0426 ppm	0.1201 ppm	0.5565 ppm
Concentration per Run 2	0.1242 ppm	23.5013 ppm	0.9702 ppm	1.1673 ppm	1.0446 ppm	0.1227 ppm	0.5570 ppm
Concentration per Run 3	0.1232 ppm	23.5570 ppm	0.9698 ppm	1.1665 ppm	1.0455 ppm	0.1206 ppm	0.5574 ppm
Concentration RSD	0.5 %	0.2 %	0.1 %	1.1 %	0.1 %	1.2 %	0.1 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.5404 ppm	104.6487 %	95.3980 %	93.7560 %	96.3248 %	92.9338 %	93.8330 %
Concentration per Run 1	0.5414 ppm	106.1813 %	95.6333 %	93.9229 %	98.1344 %	93.0065 %	94.0011 %
Concentration per Run 2	0.5400 ppm	104.0012 %	95.3459 %	93.7428 %	95.7098 %	93.0340 %	93.7399 %
Concentration per Run 3	0.5399 ppm	103.7635 %	95.2148 %	93.6023 %	95.1301 %	92.7608 %	93.7580 %
Concentration RSD	0.2 %	1.3 %	0.2 %	0.2 %	1.7 %	0.2 %	0.2 %

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LabBook: WG2085564_07012025T5.imexp

Sample: WG2082734-8 WG2082734
 Analysis started at: 7/1/2025 6:13:45 PM
 Comments: <Comment>
 Rack: 1
 Vial: 53

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0002 ppm	0.0123 ppm	-0.0002 ppm	0.0142 ppm	0.0014 ppm	0.0000 ppm	31.3584 ppm
Concentration per Run 1	-0.0002 ppm	0.0173 ppm	-0.0004 ppm	0.0141 ppm	0.0014 ppm	0.0000 ppm	31.1977 ppm
Concentration per Run 2	-0.0002 ppm	0.0075 ppm	0.0002 ppm	0.0145 ppm	0.0015 ppm	0.0000 ppm	31.5549 ppm
Concentration per Run 3	-0.0001 ppm	0.0122 ppm	-0.0005 ppm	0.0140 ppm	0.0014 ppm	0.0000 ppm	31.3227 ppm
Concentration RSD	56.8 %	39.7 %	173.6 %	2.0 %	5.1 %	109.4 %	0.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	-0.0003 ppm	0.0001 ppm	0.0009 ppm	0.0525 ppm	1.5455 ppm	0.0036 ppm
Concentration per Run 1	-0.0001 ppm	-0.0004 ppm	0.0002 ppm	0.0007 ppm	0.0532 ppm	1.5313 ppm	0.0039 ppm
Concentration per Run 2	-0.0001 ppm	-0.0002 ppm	0.0002 ppm	0.0010 ppm	0.0520 ppm	1.5471 ppm	0.0030 ppm
Concentration per Run 3	-0.0001 ppm	-0.0003 ppm	-0.0002 ppm	0.0011 ppm	0.0521 ppm	1.5581 ppm	0.0040 ppm
Concentration RSD	24.7 %	29.8 %	469.4 %	20.9 %	1.2 %	0.9 %	14.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	3.9937 ppm	0.0754 ppm	0.0055 ppm	8.7965 ppm	-0.0006 ppm	0.0000 ppm	0.0112 ppm
Concentration per Run 1	3.9925 ppm	0.0751 ppm	0.0062 ppm	8.7613 ppm	-0.0006 ppm	0.0001 ppm	0.0131 ppm
Concentration per Run 2	3.9964 ppm	0.0757 ppm	0.0054 ppm	8.8213 ppm	-0.0006 ppm	0.0002 ppm	0.0113 ppm
Concentration per Run 3	3.9921 ppm	0.0755 ppm	0.0050 ppm	8.8068 ppm	-0.0005 ppm	-0.0003 ppm	0.0093 ppm
Concentration RSD	0.1 %	0.5 %	10.8 %	0.4 %	16.8 %	1,861.9 %	16.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0020 ppm	21.9745 [SIC 200]	0.0045 ppm	0.1571 ppm	0.0007 ppm	-0.0001 ppm	0.0002 ppm
Concentration per Run 1	0.0027 ppm	21.9022 ppm	0.0047 ppm	0.1568 ppm	0.0008 ppm	-0.0002 ppm	0.0001 ppm
Concentration per Run 2	0.0003 ppm	22.0168 ppm	0.0049 ppm	0.1571 ppm	0.0007 ppm	-0.0011 ppm	0.0004 ppm
Concentration per Run 3	0.0030 ppm	22.0044 ppm	0.0039 ppm	0.1576 ppm	0.0005 ppm	0.0010 ppm	0.0002 ppm
Concentration RSD	75.4 %	0.3 %	11.5 %	0.3 %	23.2 %	1,006.1 %	79.9 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0004 ppm	104.7844 %	96.4081 %	94.6348 %	95.7423 %	94.3410 %	94.6292 %
Concentration per Run 1	0.0003 ppm	105.7054 %	96.3518 %	94.5765 %	96.5717 %	94.6127 %	94.5626 %
Concentration per Run 2	0.0005 ppm	103.9253 %	96.5047 %	94.6975 %	94.7808 %	94.0653 %	94.7005 %
Concentration per Run 3	0.0005 ppm	104.7227 %	96.3677 %	94.6305 %	95.8743 %	94.3451 %	94.6245 %
Concentration RSD	15.7 %	0.9 %	0.1 %	0.1 %	0.9 %	0.3 %	0.1 %

ICP DataTrace 5

7/1/2025 7:30:54 PM



LabBook: WG2085564_07012025T5.imexp

Sample: WG2082734-9 WG2082734
 Analysis started at: 7/1/2025 6:20:07 PM
 Comments: <Comment>
 Rack: 1
 Vial: 54

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0003 ppm	0.0227 ppm	-0.0008 ppm	0.0199 ppm	0.0138 ppm	0.0003 ppm	32.0529 ppm
Concentration per Run 1	0.0001 ppm	0.0170 ppm	-0.0003 ppm	0.0197 ppm	0.0138 ppm	0.0003 ppm	31.7987 ppm
Concentration per Run 2	0.0003 ppm	0.0298 ppm	-0.0018 ppm	0.0199 ppm	0.0139 ppm	0.0004 ppm	32.2292 ppm
Concentration per Run 3	0.0004 ppm	0.0214 ppm	-0.0002 ppm	0.0200 ppm	0.0139 ppm	0.0003 ppm	32.1307 ppm
Concentration RSD	50.0 %	28.6 %	120.3 %	0.7 %	0.4 %	7.6 %	0.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0002 ppm	0.0028 ppm	0.0016 ppm	0.0025 ppm	0.0598 ppm	1.6457 ppm	0.0041 ppm
Concentration per Run 1	0.0001 ppm	0.0028 ppm	0.0017 ppm	0.0026 ppm	0.0603 ppm	1.6459 ppm	0.0046 ppm
Concentration per Run 2	0.0002 ppm	0.0028 ppm	0.0015 ppm	0.0025 ppm	0.0586 ppm	1.6583 ppm	0.0046 ppm
Concentration per Run 3	0.0002 ppm	0.0029 ppm	0.0015 ppm	0.0024 ppm	0.0607 ppm	1.6330 ppm	0.0030 ppm
Concentration RSD	13.1 %	2.1 %	6.6 %	2.9 %	1.9 %	0.8 %	21.8 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	4.1491 ppm	0.0796 ppm	0.0072 ppm	9.0235 ppm	0.0026 ppm	0.0025 ppm	0.0056 ppm
Concentration per Run 1	4.1613 ppm	0.0793 ppm	0.0071 ppm	8.9392 ppm	0.0025 ppm	0.0028 ppm	0.0075 ppm
Concentration per Run 2	4.1298 ppm	0.0795 ppm	0.0073 ppm	9.0641 ppm	0.0027 ppm	0.0019 ppm	0.0046 ppm
Concentration per Run 3	4.1561 ppm	0.0799 ppm	0.0070 ppm	9.0671 ppm	0.0027 ppm	0.0029 ppm	0.0047 ppm
Concentration RSD	0.4 %	0.4 %	2.0 %	0.8 %	4.0 %	22.7 %	29.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0014 ppm	22.4547 [SIC 200]	0.0069 ppm	0.1656 ppm	0.0063 ppm	-0.0001 ppm	0.0033 ppm
Concentration per Run 1	-0.0005 ppm	22.4412 ppm	0.0074 ppm	0.1648 ppm	0.0065 ppm	-0.0014 ppm	0.0034 ppm
Concentration per Run 2	0.0022 ppm	22.5125 ppm	0.0067 ppm	0.1660 ppm	0.0062 ppm	0.0001 ppm	0.0030 ppm
Concentration per Run 3	0.0024 ppm	22.4106 ppm	0.0066 ppm	0.1660 ppm	0.0062 ppm	0.0011 ppm	0.0034 ppm
Concentration RSD	115.6 %	0.2 %	5.9 %	0.4 %	2.8 %	1,807.3 %	6.5 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0035 ppm	105.1634 %	96.3646 %	94.7278 %	96.1988 %	94.6556 %	94.7945 %
Concentration per Run 1	0.0036 ppm	105.6306 %	96.5879 %	94.8341 %	97.1480 %	94.7099 %	94.7884 %
Concentration per Run 2	0.0034 ppm	104.5511 %	96.4297 %	94.6922 %	95.4588 %	94.3522 %	95.0337 %
Concentration per Run 3	0.0035 ppm	105.3085 %	96.0761 %	94.6571 %	95.9896 %	94.9046 %	94.5613 %
Concentration RSD	3.2 %	0.5 %	0.3 %	0.1 %	0.9 %	0.3 %	0.2 %

ICP DataTrace 5

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LabBook: WG2085564_07012025T5.imexp

Sample: WG2082734-10D5 WG2082734
 Analysis started at: 7/1/2025 6:26:28 PM
 Comments: <Comment>
 Rack: 1
 Vial: 55

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.0049 ppm	0.0003 ppm	0.0035 ppm	0.0005 ppm	0.0001 ppm	6.5961 ppm
Concentration per Run 1	-0.0003 ppm	0.0071 ppm	0.0002 ppm	0.0035 ppm	0.0005 ppm	0.0001 ppm	6.6731 ppm
Concentration per Run 2	0.0002 ppm	0.0017 ppm	0.0001 ppm	0.0034 ppm	0.0006 ppm	0.0000 ppm	6.5793 ppm
Concentration per Run 3	-0.0004 ppm	0.0058 ppm	0.0006 ppm	0.0035 ppm	0.0005 ppm	0.0001 ppm	6.5359 ppm
Concentration RSD	206.9 %	58.0 %	87.6 %	2.5 %	12.3 %	16.8 %	1.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0002 ppm	0.0001 ppm	0.0006 ppm	0.0117 ppm	0.3252 ppm	0.0003 ppm
Concentration per Run 1	0.0000 ppm	-0.0003 ppm	0.0002 ppm	0.0007 ppm	0.0117 ppm	0.3173 ppm	-0.0007 ppm
Concentration per Run 2	0.0000 ppm	-0.0002 ppm	-0.0002 ppm	0.0007 ppm	0.0111 ppm	0.3407 ppm	0.0001 ppm
Concentration per Run 3	0.0000 ppm	-0.0001 ppm	0.0002 ppm	0.0005 ppm	0.0123 ppm	0.3177 ppm	0.0014 ppm
Concentration RSD	29.3 %	44.1 %	281.4 %	13.4 %	4.8 %	4.1 %	354.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.8436 ppm	0.0159 ppm	0.0008 ppm	1.8940 ppm	0.0001 ppm	-0.0003 ppm	0.0029 ppm
Concentration per Run 1	0.8416 ppm	0.0159 ppm	0.0007 ppm	1.9119 ppm	0.0001 ppm	-0.0006 ppm	0.0024 ppm
Concentration per Run 2	0.8440 ppm	0.0158 ppm	0.0007 ppm	1.8875 ppm	0.0000 ppm	-0.0003 ppm	0.0023 ppm
Concentration per Run 3	0.8451 ppm	0.0158 ppm	0.0009 ppm	1.8825 ppm	0.0001 ppm	-0.0001 ppm	0.0039 ppm
Concentration RSD	0.2 %	0.3 %	13.4 %	0.8 %	48.1 %	75.3 %	31.5 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0002 ppm	4.3451 ppm	0.0008 ppm	0.0332 ppm	0.0003 ppm	0.0002 ppm	0.0001 ppm
Concentration per Run 1	-0.0008 ppm	4.3313 ppm	0.0009 ppm	0.0337 ppm	0.0001 ppm	-0.0001 ppm	0.0000 ppm
Concentration per Run 2	0.0014 ppm	4.3451 ppm	0.0008 ppm	0.0331 ppm	0.0004 ppm	-0.0002 ppm	0.0001 ppm
Concentration per Run 3	-0.0002 ppm	4.3588 ppm	0.0008 ppm	0.0329 ppm	0.0003 ppm	0.0009 ppm	0.0001 ppm
Concentration RSD	730.1 %	0.3 %	7.6 %	1.2 %	51.0 %	291.7 %	115.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0003 ppm	103.3250 %	97.9107 %	96.1336 %	93.9047 %	98.0646 %	96.1840 %
Concentration per Run 1	0.0004 ppm	102.8293 %	98.0493 %	96.2436 %	93.1385 %	98.2990 %	96.1942 %
Concentration per Run 2	0.0002 ppm	103.7612 %	97.6750 %	96.0627 %	93.9703 %	98.0044 %	96.0864 %
Concentration per Run 3	0.0004 ppm	103.3845 %	98.0077 %	96.0944 %	94.6053 %	97.8904 %	96.2715 %
Concentration RSD	32.9 %	0.5 %	0.2 %	0.1 %	0.8 %	0.2 %	0.1 %

ICP DataTrace 5

7/1/2025 7:30:54 PM



LabBook: WG2085564_07012025T5.imexp

Sample: CCV
 Analysis started at: 7/1/2025 6:32:50 PM
 Comments: <Comment>
 Rack: 0
 Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.5513 ppm	0.4833 ppm	0.4832 ppm	0.4978 ppm	0.4915 ppm	0.4947 ppm	0.4814 ppm
Concentration per Run 1	0.5522 ppm	0.4623 ppm	0.4831 ppm	0.4966 ppm	0.4665 ppm	0.4701 ppm	0.4559 ppm
Concentration per Run 2	0.5521 ppm	0.4833 ppm	0.4830 ppm	0.4986 ppm	0.4997 ppm	0.5036 ppm	0.4922 ppm
Concentration per Run 3	0.5496 ppm	0.5041 ppm	0.4835 ppm	0.4981 ppm	0.5083 ppm	0.5104 ppm	0.4961 ppm
Recovery Percentage 1	110.258 %	96.654 %	96.644 %	99.553 %	98.300 %	98.942 %	96.281 %
Concentration RSD	0.3 %	4.3 %	0.1 %	0.2 %	4.5 %	4.4 %	4.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.4892 ppm	0.5029 ppm	0.5066 ppm	0.5128 ppm	0.4492 ppm	4.8334 ppm	0.5184 ppm
Concentration per Run 1	0.4892 ppm	0.5023 ppm	0.5071 ppm	0.5136 ppm	0.4266 ppm	4.5659 ppm	0.4925 ppm
Concentration per Run 2	0.4890 ppm	0.5029 ppm	0.5088 ppm	0.5143 ppm	0.4551 ppm	4.9240 ppm	0.5276 ppm
Concentration per Run 3	0.4894 ppm	0.5037 ppm	0.5040 ppm	0.5105 ppm	0.4658 ppm	5.0102 ppm	0.5350 ppm
Recovery Percentage 1	97.839 %	100.586 %	101.325 %	102.564 %	89.837 %	96.667 %	103.679 %
Concentration RSD	0.0 %	0.1 %	0.5 %	0.4 %	4.5 %	4.9 %	4.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	0.5226 ppm	0.5027 ppm	0.4885 ppm	10.3141 ppm	0.5048 ppm	0.5043 ppm	0.5200 ppm
Concentration per Run 1	0.5199 ppm	0.4777 ppm	0.4860 ppm	9.7970 ppm	0.5047 ppm	0.5035 ppm	0.5204 ppm
Concentration per Run 2	0.5256 ppm	0.5116 ppm	0.4883 ppm	10.5090 ppm	0.5047 ppm	0.5046 ppm	0.5192 ppm
Concentration per Run 3	0.5223 ppm	0.5188 ppm	0.4910 ppm	10.6363 ppm	0.5050 ppm	0.5049 ppm	0.5205 ppm
Recovery Percentage 1	104.520 %	100.542 %	97.691 %	103.141 %	100.964 %	100.864 %	104.007 %
Concentration RSD	0.5 %	4.4 %	0.5 %	4.4 %	0.0 %	0.1 %	0.1 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.4897 ppm	5.5006 ppm	0.4999 ppm	0.4762 ppm	0.5146 ppm	0.5124 ppm	0.5102 ppm
Concentration per Run 1	0.4876 ppm	5.4796 ppm	0.5005 ppm	0.4500 ppm	0.5156 ppm	0.5125 ppm	0.5119 ppm
Concentration per Run 2	0.4913 ppm	5.5057 ppm	0.5002 ppm	0.4845 ppm	0.5153 ppm	0.5134 ppm	0.5106 ppm
Concentration per Run 3	0.4903 ppm	5.5165 ppm	0.4989 ppm	0.4940 ppm	0.5130 ppm	0.5113 ppm	0.5081 ppm
Recovery Percentage 1	97.946 %	104.774 %	99.976 %	95.235 %	102.926 %	102.481 %	102.033 %
Concentration RSD	0.4 %	0.3 %	0.2 %	4.9 %	0.3 %	0.2 %	0.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.4973 ppm	107.4321 %	95.9258 %	94.7683 %	98.7831 %	95.4344 %	94.5606 %
Concentration per Run 1	0.4981 ppm	112.7353 %	95.6915 %	94.8092 %	103.1203 %	95.7149 %	94.4867 %
Concentration per Run 2	0.4968 ppm	105.4096 %	95.9346 %	94.6943 %	96.9859 %	95.3286 %	94.4322 %
Concentration per Run 3	0.4971 ppm	104.1516 %	96.1513 %	94.8015 %	96.2431 %	95.2597 %	94.7631 %
Recovery Percentage 1	99.465 %						
Concentration RSD	0.1 %	4.3 %	0.2 %	0.1 %	3.8 %	0.3 %	0.2 %

ICP DataTrace 5

7/1/2025 7:30:54 PM



LabBook: WG2085564_07012025T5.imexp

Sample: CCB
Analysis started at: 7/1/2025 6:38:57 PM
Comments: <Comment>
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.0028 ppm	-0.0004 ppm	0.0013 ppm	0.0000 ppm	0.0000 ppm	0.0050 ppm
Concentration per Run 1	0.0001 ppm	0.0046 ppm	0.0003 ppm	0.0014 ppm	0.0000 ppm	0.0000 ppm	0.0075 ppm
Concentration per Run 2	-0.0001 ppm	0.0011 ppm	-0.0011 ppm	0.0013 ppm	0.0000 ppm	0.0000 ppm	0.0027 ppm
Concentration per Run 3	-0.0002 ppm	0.0028 ppm	-0.0003 ppm	0.0011 ppm	0.0001 ppm	0.0001 ppm	0.0047 ppm
Recovery Percentage 1	-1.348 %	2.829 %	-7.473 %	4.269 %	0.431 %	0.557 %	4.994 %
Concentration RSD	140.6 %	61.1 %	194.6 %	12.8 %	51.3 %	141.9 %	48.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0002 ppm	0.0000 ppm	0.0007 ppm	0.0005 ppm	0.0323 ppm	0.0001 ppm
Concentration per Run 1	0.0000 ppm	-0.0002 ppm	0.0001 ppm	0.0007 ppm	0.0004 ppm	0.0248 ppm	0.0005 ppm
Concentration per Run 2	0.0000 ppm	-0.0002 ppm	0.0000 ppm	0.0006 ppm	-0.0004 ppm	0.0458 ppm	0.0002 ppm
Concentration per Run 3	0.0000 ppm	-0.0001 ppm	-0.0001 ppm	0.0008 ppm	0.0015 ppm	0.0262 ppm	-0.0005 ppm
Recovery Percentage 1	0.122 %	-0.786 %	0.006 %	6.984 %	0.996 %	1.290 %	0.778 %
Concentration RSD	286.5 %	46.5 %	18,159.1 %	10.0 %	185.5 %	36.4 %	661.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	-0.0023 ppm	-0.0001 ppm	0.0014 ppm	0.0199 ppm	0.0001 ppm	-0.0006 ppm	-0.0005 ppm
Concentration per Run 1	-0.0016 ppm	-0.0001 ppm	0.0015 ppm	0.0197 ppm	0.0000 ppm	-0.0006 ppm	-0.0004 ppm
Concentration per Run 2	-0.0021 ppm	-0.0002 ppm	0.0015 ppm	0.0198 ppm	0.0001 ppm	0.0000 ppm	0.0002 ppm
Concentration per Run 3	-0.0030 ppm	-0.0001 ppm	0.0013 ppm	0.0203 ppm	0.0001 ppm	-0.0010 ppm	-0.0013 ppm
Recovery Percentage 1	-2.257 %	-1.377 %	2.857 %	0.996 %	0.364 %	-5.530 %	-0.963 %
Concentration RSD	31.6 %	42.5 %	8.1 %	1.6 %	76.9 %	84.5 %	151.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0029 ppm	-0.0014 ppm	0.0005 ppm	0.0001 ppm	0.0003 ppm	0.0009 ppm	0.0001 ppm
Concentration per Run 1	0.0022 ppm	-0.0011 ppm	0.0001 ppm	0.0001 ppm	0.0003 ppm	0.0010 ppm	0.0001 ppm
Concentration per Run 2	0.0037 ppm	-0.0017 ppm	0.0008 ppm	0.0002 ppm	0.0003 ppm	0.0017 ppm	0.0001 ppm
Concentration per Run 3	0.0026 ppm	-0.0014 ppm	0.0005 ppm	0.0000 ppm	0.0003 ppm	-0.0001 ppm	0.0001 ppm
Recovery Percentage 1	28.650 %	-0.273 %	0.961 %	0.732 %	2.814 %	4.346 %	0.802 %
Concentration RSD	27.1 %	21.8 %	75.7 %	103.1 %	7.3 %	101.2 %	28.5 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0001 ppm	103.8882 %	98.1768 %	96.4255 %	94.9404 %	97.3645 %	95.1650 %
Concentration per Run 1	0.0001 ppm	104.0689 %	98.0309 %	96.4572 %	95.1524 %	97.3840 %	94.9713 %
Concentration per Run 2	0.0000 ppm	103.7787 %	98.3117 %	96.2554 %	95.1964 %	97.4956 %	95.4396 %
Concentration per Run 3	0.0001 ppm	103.8170 %	98.1878 %	96.5638 %	94.4724 %	97.2139 %	95.0840 %
Recovery Percentage 1	1.927 %						
Concentration RSD	75.9 %	0.2 %	0.1 %	0.2 %	0.4 %	0.1 %	0.3 %

ICP DataTrace 5

7/1/2025 7:30:54 PM



LabBook: WG2085564_07012025T5.imexp

Sample: OB scan 6247-02 tot
Analysis started at: 7/1/2025 6:45:26 PM
Comments: <Comment>
Rack: 2
Vial: 7

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.0126 ppm	0.0001 ppm	0.0153 ppm	0.0418 ppm	0.0000 ppm	21.3698 ppm
Concentration per Run 1	-0.0001 ppm	0.0155 ppm	-0.0013 ppm	0.0149 ppm	0.0420 ppm	0.0000 ppm	21.4571 ppm
Concentration per Run 2	0.0000 ppm	0.0053 ppm	0.0006 ppm	0.0155 ppm	0.0415 ppm	0.0000 ppm	21.2937 ppm
Concentration per Run 3	-0.0001 ppm	0.0169 ppm	0.0010 ppm	0.0155 ppm	0.0419 ppm	0.0000 ppm	21.3586 ppm
Concentration RSD	87.5 %	50.3 %	1,092.7 %	2.5 %	0.6 %	72.1 %	0.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0000 ppm	0.0024 ppm	0.0012 ppm	0.0429 ppm	1.1522 ppm	0.0005 ppm
Concentration per Run 1	-0.0001 ppm	0.0000 ppm	0.0024 ppm	0.0011 ppm	0.0425 ppm	1.1451 ppm	0.0008 ppm
Concentration per Run 2	-0.0001 ppm	-0.0001 ppm	0.0024 ppm	0.0013 ppm	0.0439 ppm	1.1500 ppm	0.0007 ppm
Concentration per Run 3	-0.0001 ppm	0.0002 ppm	0.0026 ppm	0.0012 ppm	0.0423 ppm	1.1614 ppm	0.0001 ppm
Concentration RSD	7.0 %	398.8 %	5.4 %	5.8 %	2.0 %	0.7 %	67.6 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	4.9925 ppm	0.0027 ppm	0.0005 ppm	12.0946 ppm	0.0257 ppm	-0.0001 ppm	0.0001 ppm
Concentration per Run 1	4.9917 ppm	0.0026 ppm	0.0006 ppm	12.1266 ppm	0.0256 ppm	-0.0008 ppm	-0.0011 ppm
Concentration per Run 2	4.9933 ppm	0.0028 ppm	0.0006 ppm	12.0326 ppm	0.0257 ppm	0.0002 ppm	-0.0003 ppm
Concentration per Run 3	4.9925 ppm	0.0027 ppm	0.0004 ppm	12.1248 ppm	0.0260 ppm	0.0003 ppm	0.0016 ppm
Concentration RSD	0.0 %	4.1 %	24.8 %	0.4 %	0.9 %	911.5 %	2,103.8 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0013 ppm	5.9722 ppm	-0.0012 ppm	0.0920 ppm	0.0005 ppm	0.0005 ppm	0.0002 ppm
Concentration per Run 1	0.0004 ppm	5.9508 ppm	-0.0015 ppm	0.0916 ppm	0.0004 ppm	0.0013 ppm	0.0002 ppm
Concentration per Run 2	0.0004 ppm	5.9409 ppm	-0.0011 ppm	0.0921 ppm	0.0006 ppm	-0.0007 ppm	0.0002 ppm
Concentration per Run 3	0.0031 ppm	6.0248 ppm	-0.0011 ppm	0.0924 ppm	0.0004 ppm	0.0009 ppm	0.0003 ppm
Concentration RSD	120.4 %	0.8 %	18.5 %	0.5 %	25.0 %	225.1 %	29.7 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0010 ppm	105.6724 %	97.4826 %	95.6193 %	95.6183 %	96.2961 %	95.1860 %
Concentration per Run 1	0.0010 ppm	106.2000 %	97.4894 %	96.0475 %	95.2978 %	96.6626 %	95.0969 %
Concentration per Run 2	0.0011 ppm	105.3565 %	97.5274 %	95.9466 %	95.8358 %	96.6588 %	95.1113 %
Concentration per Run 3	0.0010 ppm	105.4607 %	97.4309 %	94.8638 %	95.7214 %	95.5668 %	95.3497 %
Concentration RSD	9.3 %	0.4 %	0.0 %	0.7 %	0.3 %	0.7 %	0.1 %

ICP DataTrace 5

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LabBook: WG2085564_07012025T5.imexp

Sample: OB scan 6247-02 sol
Analysis started at: 7/1/2025 6:51:48 PM
Comments: <Comment>
Rack: 2
Vial: 8

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0003 ppm	0.0122 ppm	0.0006 ppm	0.0152 ppm	0.0419 ppm	0.0000 ppm	21.3908 ppm
Concentration per Run 1	-0.0004 ppm	0.0096 ppm	0.0002 ppm	0.0149 ppm	0.0416 ppm	0.0000 ppm	21.2310 ppm
Concentration per Run 2	-0.0002 ppm	0.0106 ppm	0.0001 ppm	0.0153 ppm	0.0423 ppm	0.0000 ppm	21.5928 ppm
Concentration per Run 3	-0.0003 ppm	0.0165 ppm	0.0016 ppm	0.0154 ppm	0.0418 ppm	0.0000 ppm	21.3486 ppm
Concentration RSD	33.8 %	30.4 %	131.5 %	1.8 %	0.9 %	223.0 %	0.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0000 ppm	0.0008 ppm	0.0076 ppm	0.0085 ppm	1.1581 ppm	0.0004 ppm
Concentration per Run 1	-0.0001 ppm	0.0000 ppm	0.0008 ppm	0.0077 ppm	0.0084 ppm	1.1247 ppm	0.0007 ppm
Concentration per Run 2	-0.0001 ppm	0.0000 ppm	0.0009 ppm	0.0077 ppm	0.0085 ppm	1.1705 ppm	-0.0014 ppm
Concentration per Run 3	-0.0001 ppm	0.0002 ppm	0.0008 ppm	0.0074 ppm	0.0086 ppm	1.1792 ppm	0.0017 ppm
Concentration RSD	14.1 %	220.8 %	7.1 %	2.1 %	1.6 %	2.5 %	422.5 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	5.0073 ppm	0.0023 ppm	0.0001 ppm	12.0640 ppm	0.0228 ppm	-0.0002 ppm	-0.0011 ppm
Concentration per Run 1	4.9948 ppm	0.0023 ppm	0.0001 ppm	11.9555 ppm	0.0227 ppm	-0.0002 ppm	-0.0010 ppm
Concentration per Run 2	5.0278 ppm	0.0023 ppm	0.0003 ppm	12.1603 ppm	0.0228 ppm	-0.0002 ppm	-0.0015 ppm
Concentration per Run 3	4.9992 ppm	0.0022 ppm	-0.0003 ppm	12.0762 ppm	0.0229 ppm	-0.0002 ppm	-0.0008 ppm
Concentration RSD	0.4 %	2.2 %	453.3 %	0.9 %	0.5 %	14.4 %	37.2 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0011 ppm	5.9512 ppm	-0.0008 ppm	0.0926 ppm	0.0004 ppm	0.0014 ppm	0.0003 ppm
Concentration per Run 1	0.0005 ppm	5.9429 ppm	-0.0012 ppm	0.0913 ppm	0.0003 ppm	0.0020 ppm	0.0002 ppm
Concentration per Run 2	0.0015 ppm	5.9316 ppm	-0.0011 ppm	0.0936 ppm	0.0003 ppm	-0.0004 ppm	0.0006 ppm
Concentration per Run 3	0.0013 ppm	5.9791 ppm	-0.0002 ppm	0.0929 ppm	0.0005 ppm	0.0025 ppm	0.0002 ppm
Concentration RSD	49.6 %	0.4 %	67.4 %	1.3 %	29.3 %	116.0 %	79.5 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0121 ppm	105.5982 %	96.9334 %	95.1609 %	95.7146 %	96.3525 %	94.7975 %
Concentration per Run 1	0.0119 ppm	106.8832 %	97.1836 %	96.5929 %	96.5002 %	96.6553 %	94.8080 %
Concentration per Run 2	0.0122 ppm	104.3821 %	96.6930 %	95.5149 %	94.8195 %	96.6175 %	94.6023 %
Concentration per Run 3	0.0123 ppm	105.5294 %	96.9235 %	94.4748 %	95.8242 %	95.7847 %	94.9823 %
Concentration RSD	1.6 %	1.2 %	0.3 %	0.6 %	0.9 %	0.5 %	0.2 %

ICP DataTrace 5

7/1/2025 7:30:54 PM



LabBook: WG2085564_07012025T5.imexp

Sample: OB scan 6247-06 tot
Analysis started at: 7/1/2025 6:58:11 PM
Comments: <Comment>
Rack: 2
Vial: 9

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.0143 ppm	0.0010 ppm	0.0143 ppm	0.0405 ppm	0.0000 ppm	16.3319 ppm
Concentration per Run 1	0.0000 ppm	0.0159 ppm	0.0002 ppm	0.0145 ppm	0.0405 ppm	0.0001 ppm	16.2828 ppm
Concentration per Run 2	0.0000 ppm	0.0114 ppm	0.0009 ppm	0.0144 ppm	0.0405 ppm	0.0000 ppm	16.3610 ppm
Concentration per Run 3	-0.0003 ppm	0.0156 ppm	0.0018 ppm	0.0141 ppm	0.0406 ppm	0.0000 ppm	16.3521 ppm
Concentration RSD	128.1 %	17.8 %	78.5 %	1.5 %	0.1 %	182.5 %	0.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	-0.0001 ppm	0.0005 ppm	0.0007 ppm	0.0016 ppm	2.0101 ppm	0.0005 ppm
Concentration per Run 1	-0.0001 ppm	-0.0002 ppm	0.0006 ppm	0.0007 ppm	0.0021 ppm	1.9943 ppm	0.0000 ppm
Concentration per Run 2	-0.0001 ppm	0.0000 ppm	0.0007 ppm	0.0008 ppm	0.0019 ppm	2.0357 ppm	0.0005 ppm
Concentration per Run 3	-0.0001 ppm	-0.0002 ppm	0.0003 ppm	0.0006 ppm	0.0007 ppm	2.0002 ppm	0.0008 ppm
Concentration RSD	23.0 %	100.3 %	38.9 %	11.8 %	48.2 %	1.1 %	89.0 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	4.9484 ppm	0.0022 ppm	0.0000 ppm	14.8609 ppm	0.0004 ppm	-0.0004 ppm	-0.0021 ppm
Concentration per Run 1	4.9470 ppm	0.0023 ppm	0.0000 ppm	14.8282 ppm	0.0003 ppm	-0.0009 ppm	-0.0015 ppm
Concentration per Run 2	4.9408 ppm	0.0021 ppm	0.0000 ppm	14.9099 ppm	0.0003 ppm	-0.0002 ppm	-0.0036 ppm
Concentration per Run 3	4.9574 ppm	0.0022 ppm	-0.0001 ppm	14.8446 ppm	0.0006 ppm	-0.0002 ppm	-0.0012 ppm
Concentration RSD	0.2 %	5.1 %	217.4 %	0.3 %	46.0 %	92.9 %	62.4 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0004 ppm	6.6394 ppm	-0.0003 ppm	0.0761 ppm	0.0002 ppm	-0.0002 ppm	0.0002 ppm
Concentration per Run 1	0.0007 ppm	6.6073 ppm	-0.0001 ppm	0.0756 ppm	0.0000 ppm	-0.0008 ppm	0.0001 ppm
Concentration per Run 2	-0.0008 ppm	6.6482 ppm	-0.0001 ppm	0.0766 ppm	0.0005 ppm	-0.0004 ppm	0.0002 ppm
Concentration per Run 3	0.0012 ppm	6.6628 ppm	-0.0006 ppm	0.0762 ppm	0.0001 ppm	0.0005 ppm	0.0002 ppm
Concentration RSD	302.0 %	0.4 %	104.3 %	0.7 %	109.2 %	313.2 %	38.4 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0005 ppm	104.6219 %	96.9632 %	95.1684 %	96.7208 %	96.3170 %	95.1784 %
Concentration per Run 1	0.0006 ppm	105.8043 %	96.7873 %	95.8090 %	97.3372 %	96.9354 %	95.0008 %
Concentration per Run 2	0.0006 ppm	104.2301 %	97.0851 %	95.3746 %	96.5451 %	96.1687 %	95.3858 %
Concentration per Run 3	0.0004 ppm	103.8311 %	97.0172 %	94.3217 %	96.2800 %	95.8469 %	95.1484 %
Concentration RSD	14.0 %	1.0 %	0.2 %	0.8 %	0.6 %	0.6 %	0.2 %

ICP DataTrace 5

7/1/2025 7:30:54 PM



LabBook: WG2085564_07012025T5.imexp

Sample: OB scan 6247-06 sol
Analysis started at: 7/1/2025 7:04:34 PM
Comments: <Comment>
Rack: 2
Vial: 10

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0002 ppm	0.0120 ppm	-0.0002 ppm	0.0142 ppm	0.0401 ppm	0.0000 ppm	16.2332 ppm
Concentration per Run 1	-0.0002 ppm	0.0083 ppm	-0.0007 ppm	0.0143 ppm	0.0397 ppm	0.0000 ppm	16.0442 ppm
Concentration per Run 2	-0.0003 ppm	0.0131 ppm	0.0014 ppm	0.0140 ppm	0.0403 ppm	0.0000 ppm	16.3241 ppm
Concentration per Run 3	0.0000 ppm	0.0147 ppm	-0.0014 ppm	0.0144 ppm	0.0403 ppm	0.0001 ppm	16.3311 ppm
Concentration RSD	70.1 %	27.5 %	663.1 %	1.7 %	0.8 %	24.0 %	1.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0000 ppm	0.0005 ppm	0.0084 ppm	0.0008 ppm	1.9994 ppm	-0.0005 ppm
Concentration per Run 1	-0.0001 ppm	0.0001 ppm	0.0008 ppm	0.0082 ppm	0.0008 ppm	1.9762 ppm	-0.0003 ppm
Concentration per Run 2	-0.0001 ppm	-0.0001 ppm	0.0004 ppm	0.0083 ppm	0.0012 ppm	2.0061 ppm	-0.0014 ppm
Concentration per Run 3	-0.0001 ppm	-0.0001 ppm	0.0004 ppm	0.0086 ppm	0.0005 ppm	2.0161 ppm	0.0001 ppm
Concentration RSD	24.6 %	241.5 %	41.1 %	2.3 %	40.8 %	1.0 %	142.4 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	4.9108 ppm	0.0025 ppm	-0.0002 ppm	14.5288 ppm	0.0008 ppm	0.0002 ppm	-0.0013 ppm
Concentration per Run 1	4.9003 ppm	0.0027 ppm	-0.0002 ppm	14.3548 ppm	0.0006 ppm	-0.0001 ppm	-0.0011 ppm
Concentration per Run 2	4.9113 ppm	0.0024 ppm	-0.0002 ppm	14.6070 ppm	0.0011 ppm	0.0004 ppm	-0.0017 ppm
Concentration per Run 3	4.9208 ppm	0.0025 ppm	-0.0002 ppm	14.6245 ppm	0.0007 ppm	0.0002 ppm	-0.0011 ppm
Concentration RSD	0.2 %	5.0 %	10.4 %	1.0 %	28.7 %	128.6 %	22.9 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0005 ppm	6.6426 ppm	-0.0008 ppm	0.0762 ppm	0.0003 ppm	0.0007 ppm	0.0002 ppm
Concentration per Run 1	0.0012 ppm	6.6258 ppm	-0.0005 ppm	0.0758 ppm	0.0002 ppm	0.0016 ppm	0.0002 ppm
Concentration per Run 2	-0.0007 ppm	6.6301 ppm	-0.0007 ppm	0.0764 ppm	0.0002 ppm	-0.0006 ppm	0.0002 ppm
Concentration per Run 3	0.0009 ppm	6.6719 ppm	-0.0011 ppm	0.0766 ppm	0.0004 ppm	0.0012 ppm	0.0003 ppm
Concentration RSD	204.7 %	0.4 %	39.0 %	0.6 %	57.4 %	165.0 %	24.8 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0154 ppm	104.9775 %	96.8003 %	95.0376 %	96.7578 %	96.7096 %	95.2933 %
Concentration per Run 1	0.0153 ppm	105.7554 %	96.8833 %	95.3885 %	97.8948 %	97.1480 %	95.1878 %
Concentration per Run 2	0.0155 ppm	104.8490 %	96.6300 %	95.1441 %	96.3579 %	96.7870 %	95.2151 %
Concentration per Run 3	0.0156 ppm	104.3282 %	96.8874 %	94.5804 %	96.0207 %	96.1939 %	95.4770 %
Concentration RSD	1.0 %	0.7 %	0.2 %	0.4 %	1.0 %	0.5 %	0.2 %

ICP DataTrace 5

7/1/2025 7:30:54 PM



LabBook: WG2085564_07012025T5.imexp

Sample: OB scan 6247-07 tot
Analysis started at: 7/1/2025 7:10:56 PM
Comments: <Comment>
Rack: 2
Vial: 11

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0136 ppm	0.0004 ppm	0.0174 ppm	0.0400 ppm	0.0001 ppm	12.4627 ppm
Concentration per Run 1	-0.0002 ppm	0.0140 ppm	0.0009 ppm	0.0174 ppm	0.0403 ppm	0.0000 ppm	12.6037 ppm
Concentration per Run 2	-0.0001 ppm	0.0114 ppm	0.0014 ppm	0.0173 ppm	0.0398 ppm	0.0000 ppm	12.4217 ppm
Concentration per Run 3	0.0003 ppm	0.0155 ppm	-0.0011 ppm	0.0175 ppm	0.0398 ppm	0.0001 ppm	12.3628 ppm
Concentration RSD	1,153.4 %	15.3 %	337.5 %	0.8 %	0.7 %	12.7 %	1.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	0.0000 ppm	-0.0001 ppm	0.0005 ppm	0.0006 ppm	0.0042 ppm	2.0022 ppm	0.0003 ppm
Concentration per Run 1	0.0000 ppm	-0.0001 ppm	0.0007 ppm	0.0007 ppm	0.0049 ppm	2.0199 ppm	0.0013 ppm
Concentration per Run 2	0.0000 ppm	-0.0002 ppm	0.0005 ppm	0.0007 ppm	0.0039 ppm	2.0168 ppm	-0.0006 ppm
Concentration per Run 3	0.0000 ppm	-0.0001 ppm	0.0003 ppm	0.0005 ppm	0.0038 ppm	1.9698 ppm	0.0003 ppm
Concentration RSD	38.5 %	70.9 %	41.5 %	17.2 %	14.3 %	1.4 %	277.2 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	4.0913 ppm	0.0023 ppm	-0.0004 ppm	13.5037 ppm	0.0006 ppm	-0.0001 ppm	-0.0001 ppm
Concentration per Run 1	4.1100 ppm	0.0023 ppm	-0.0003 ppm	13.6143 ppm	0.0005 ppm	-0.0004 ppm	-0.0003 ppm
Concentration per Run 2	4.0748 ppm	0.0023 ppm	-0.0003 ppm	13.4731 ppm	0.0007 ppm	0.0005 ppm	-0.0015 ppm
Concentration per Run 3	4.0892 ppm	0.0023 ppm	-0.0004 ppm	13.4236 ppm	0.0007 ppm	-0.0003 ppm	0.0014 ppm
Concentration RSD	0.4 %	1.5 %	19.3 %	0.7 %	13.9 %	575.7 %	1,190.0 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0015 ppm	6.3352 ppm	-0.0006 ppm	0.0672 ppm	0.0005 ppm	0.0017 ppm	0.0003 ppm
Concentration per Run 1	0.0028 ppm	6.3243 ppm	-0.0004 ppm	0.0676 ppm	0.0006 ppm	0.0029 ppm	0.0002 ppm
Concentration per Run 2	-0.0001 ppm	6.3182 ppm	-0.0006 ppm	0.0670 ppm	0.0005 ppm	0.0020 ppm	0.0004 ppm
Concentration per Run 3	0.0017 ppm	6.3632 ppm	-0.0007 ppm	0.0671 ppm	0.0004 ppm	0.0001 ppm	0.0003 ppm
Concentration RSD	98.9 %	0.4 %	26.0 %	0.5 %	18.5 %	83.4 %	28.7 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0010 ppm	103.7298 %	97.1872 %	95.6923 %	95.5177 %	96.9970 %	95.4641 %
Concentration per Run 1	0.0010 ppm	102.8914 %	96.9582 %	95.9467 %	94.3660 %	97.2047 %	95.2166 %
Concentration per Run 2	0.0010 ppm	103.7769 %	97.3131 %	96.0971 %	95.5000 %	97.3029 %	95.5678 %
Concentration per Run 3	0.0010 ppm	104.5211 %	97.2903 %	95.0332 %	96.6871 %	96.4834 %	95.6080 %
Concentration RSD	2.9 %	0.8 %	0.2 %	0.6 %	1.2 %	0.5 %	0.2 %

ICP DataTrace 5

7/1/2025 7:30:54 PM



LabBook: WG2085564_07012025T5.imexp

Sample: OB scan 6247-07 sol
 Analysis started at: 7/1/2025 7:17:19 PM
 Comments: <Comment>
 Rack: 2
 Vial: 12

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0105 ppm	0.0004 ppm	0.0177 ppm	0.0401 ppm	0.0001 ppm	12.5057 ppm
Concentration per Run 1	0.0000 ppm	0.0109 ppm	0.0014 ppm	0.0178 ppm	0.0400 ppm	0.0000 ppm	12.5236 ppm
Concentration per Run 2	0.0000 ppm	0.0109 ppm	-0.0004 ppm	0.0177 ppm	0.0400 ppm	0.0001 ppm	12.5237 ppm
Concentration per Run 3	0.0000 ppm	0.0096 ppm	0.0002 ppm	0.0176 ppm	0.0403 ppm	0.0001 ppm	12.4697 ppm
Concentration RSD	12,564.5 %	7.4 %	224.4 %	0.5 %	0.4 %	84.1 %	0.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0001 ppm	0.0000 ppm	0.0005 ppm	0.0081 ppm	0.0003 ppm	2.0109 ppm	-0.0008 ppm
Concentration per Run 1	-0.0001 ppm	0.0001 ppm	0.0003 ppm	0.0081 ppm	0.0003 ppm	2.0024 ppm	-0.0011 ppm
Concentration per Run 2	0.0000 ppm	-0.0001 ppm	0.0005 ppm	0.0080 ppm	0.0005 ppm	2.0312 ppm	-0.0008 ppm
Concentration per Run 3	-0.0001 ppm	-0.0001 ppm	0.0005 ppm	0.0081 ppm	0.0001 ppm	1.9992 ppm	-0.0006 ppm
Concentration RSD	23.3 %	653.8 %	31.1 %	0.8 %	55.1 %	0.9 %	34.9 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	4.0953 ppm	0.0022 ppm	-0.0003 ppm	13.6744 ppm	0.0006 ppm	0.0003 ppm	-0.0019 ppm
Concentration per Run 1	4.0850 ppm	0.0023 ppm	-0.0004 ppm	13.6567 ppm	0.0003 ppm	0.0000 ppm	-0.0027 ppm
Concentration per Run 2	4.1040 ppm	0.0022 ppm	-0.0002 ppm	13.6892 ppm	0.0009 ppm	0.0005 ppm	-0.0019 ppm
Concentration per Run 3	4.0968 ppm	0.0022 ppm	-0.0002 ppm	13.6772 ppm	0.0006 ppm	0.0005 ppm	-0.0009 ppm
Concentration RSD	0.2 %	2.2 %	36.8 %	0.1 %	44.2 %	91.8 %	49.7 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0015 ppm	6.3474 ppm	-0.0009 ppm	0.0672 ppm	0.0001 ppm	0.0002 ppm	0.0001 ppm
Concentration per Run 1	0.0040 ppm	6.3314 ppm	-0.0009 ppm	0.0672 ppm	0.0001 ppm	0.0001 ppm	0.0001 ppm
Concentration per Run 2	0.0002 ppm	6.3309 ppm	-0.0007 ppm	0.0673 ppm	0.0000 ppm	0.0004 ppm	0.0000 ppm
Concentration per Run 3	0.0002 ppm	6.3799 ppm	-0.0012 ppm	0.0671 ppm	0.0001 ppm	0.0001 ppm	0.0003 ppm
Concentration RSD	148.6 %	0.4 %	29.3 %	0.2 %	65.1 %	72.4 %	112.0 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0134 ppm	104.4974 %	97.2293 %	95.4596 %	95.5763 %	96.8278 %	95.6577 %
Concentration per Run 1	0.0134 ppm	104.8513 %	97.3863 %	95.5646 %	95.5994 %	97.1740 %	95.7646 %
Concentration per Run 2	0.0133 ppm	104.4043 %	97.0961 %	95.6248 %	95.6899 %	97.0458 %	95.5249 %
Concentration per Run 3	0.0136 ppm	104.2367 %	97.2054 %	95.1894 %	95.4397 %	96.2636 %	95.6836 %
Concentration RSD	0.9 %	0.3 %	0.2 %	0.2 %	0.1 %	0.5 %	0.1 %

ICP DataTrace 5

7/1/2025 7:30:54 PM



LabBook: WG2085564_07012025T5.imexp

Sample: L2536247-17 WG2082734
 Analysis started at: 7/1/2025 7:23:42 PM
 Comments: <Comment>
 Rack: 2
 Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0002 ppm	0.0089 ppm	-0.0001 ppm	0.0129 ppm	0.0167 ppm	0.0000 ppm	26.1837 ppm
Concentration per Run 1	-0.0002 ppm	0.0100 ppm	0.0000 ppm	0.0128 ppm	0.0169 ppm	0.0000 ppm	26.4200 ppm
Concentration per Run 2	-0.0003 ppm	0.0077 ppm	-0.0012 ppm	0.0130 ppm	0.0167 ppm	0.0000 ppm	26.2622 ppm
Concentration per Run 3	-0.0001 ppm	0.0090 ppm	0.0008 ppm	0.0129 ppm	0.0165 ppm	0.0000 ppm	25.8691 ppm
Concentration RSD	42.1 %	13.1 %	790.3 %	0.8 %	1.2 %	155.5 %	1.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Li 670.784 {50} (Radial)
Concentration average	-0.0002 ppm	-0.0001 ppm	0.0002 ppm	0.0051 ppm	0.0044 ppm	2.1242 ppm	-0.0004 ppm
Concentration per Run 1	-0.0001 ppm	0.0000 ppm	0.0002 ppm	0.0052 ppm	0.0050 ppm	2.1540 ppm	-0.0011 ppm
Concentration per Run 2	-0.0002 ppm	-0.0003 ppm	0.0001 ppm	0.0049 ppm	0.0033 ppm	2.1315 ppm	0.0002 ppm
Concentration per Run 3	-0.0001 ppm	-0.0001 ppm	0.0002 ppm	0.0052 ppm	0.0050 ppm	2.0870 ppm	-0.0003 ppm
Concentration RSD	16.0 %	117.3 %	50.4 %	3.3 %	21.2 %	1.6 %	163.7 %

	Mg 279.079 {121} (Axial)	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)
Concentration average	5.4189 ppm	0.0061 ppm	0.0009 ppm	10.2997 ppm	0.0010 ppm	-0.0001 ppm	-0.0014 ppm
Concentration per Run 1	5.4309 ppm	0.0062 ppm	0.0008 ppm	10.3826 ppm	0.0010 ppm	-0.0002 ppm	-0.0009 ppm
Concentration per Run 2	5.4302 ppm	0.0063 ppm	0.0009 ppm	10.3222 ppm	0.0011 ppm	0.0000 ppm	-0.0017 ppm
Concentration per Run 3	5.3955 ppm	0.0058 ppm	0.0009 ppm	10.1942 ppm	0.0009 ppm	-0.0001 ppm	-0.0017 ppm
Concentration RSD	0.4 %	4.5 %	3.6 %	0.9 %	9.6 %	76.7 %	30.3 %

	Se 196.090 {472} (Axial)	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)
Concentration average	0.0011 ppm	1.8177 ppm	-0.0003 ppm	0.0759 ppm	0.0003 ppm	-0.0001 ppm	0.0007 ppm
Concentration per Run 1	0.0011 ppm	1.8185 ppm	-0.0009 ppm	0.0767 ppm	0.0001 ppm	0.0008 ppm	0.0007 ppm
Concentration per Run 2	0.0006 ppm	1.8142 ppm	-0.0002 ppm	0.0760 ppm	0.0003 ppm	-0.0014 ppm	0.0007 ppm
Concentration per Run 3	0.0017 ppm	1.8204 ppm	0.0001 ppm	0.0750 ppm	0.0005 ppm	0.0003 ppm	0.0009 ppm
Concentration RSD	52.1 %	0.2 %	156.6 %	1.1 %	69.3 %	932.4 %	15.9 %

	Zn 206.200 {463} (Axial)	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)
Concentration average	0.0077 ppm	100.7501 %	95.8434 %	94.1605 %	93.5087 %	94.9121 %	94.6374 %
Concentration per Run 1	0.0077 ppm	99.4369 %	95.8591 %	94.0059 %	92.6998 %	94.8452 %	94.6328 %
Concentration per Run 2	0.0077 ppm	100.7704 %	95.5676 %	94.3738 %	93.3322 %	95.1018 %	94.3190 %
Concentration per Run 3	0.0077 ppm	102.0432 %	96.1034 %	94.1019 %	94.4942 %	94.7893 %	94.9604 %
Concentration RSD	0.4 %	1.3 %	0.3 %	0.2 %	1.0 %	0.2 %	0.3 %

ICP DataTrace 6

7/1/2025 6:40:29 PM



LabBook: WG2085790_07012025T6.imexp

Sample: Blank JMF Trace6
 Analysis started at: 7/1/2025 12:33:26 PM
 Comments: <Comment>
 Rack: 0
 Vial: 1

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	-0.2 %	2.2 %	-0.1 %	0.1 %	0.3 %	0.1 %	0.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	-1.8 %	0.2 %	21.2 %	0.0 %	-1.4 %	0.2 %	-0.3 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	-161.1 %	0.2 %	0.1 %	0.0 %	-0.4 %	-0.1 %	-0.4 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration RSD	0.0 %	0.5 %	-1.1 %	-0.2 %	-0.2 %	-0.1 %	0.3 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %	0.0000 ppm
Concentration per Run	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %	100.0000 %	0.0000 ppm
Concentration RSD	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	0.0 %	-0.9 %

ICP DataTrace 6

7/1/2025 6:40:29 PM



LabBook: WG2085790_07012025T6.imexp

Sample: ICAL
 Analysis started at: 7/1/2025 12:40:05 PM
 Comments: <Comment>
 Rack: 0
 Vial: 2

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	1.0000 ppm	25.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	10.0000 ppm
Concentration per Run 1	0.9987 ppm	24.8405 ppm	0.9950 ppm	0.9970 ppm	0.9906 ppm	0.9852 ppm	9.8174 ppm
Concentration per Run 2	0.9976 ppm	24.9839 ppm	1.0015 ppm	0.9985 ppm	1.0016 ppm	1.0053 ppm	10.0759 ppm
Concentration per Run 3	1.0037 ppm	25.1756 ppm	1.0035 ppm	1.0045 ppm	1.0078 ppm	1.0095 ppm	10.1066 ppm
Concentration RSD	0.3 %	0.7 %	0.4 %	0.4 %	0.9 %	1.3 %	1.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	25.0000 ppm	35.0000 ppm	10.0000 ppm
Concentration per Run 1	1.0051 ppm	1.0021 ppm	1.0032 ppm	0.9919 ppm	24.6064 ppm	35.0721 ppm	9.9822 ppm
Concentration per Run 2	0.9900 ppm	0.9937 ppm	0.9933 ppm	1.0041 ppm	25.1416 ppm	34.7065 ppm	9.9552 ppm
Concentration per Run 3	1.0050 ppm	1.0042 ppm	1.0035 ppm	1.0040 ppm	25.2520 ppm	35.2214 ppm	10.0626 ppm
Concentration RSD	0.9 %	0.6 %	0.6 %	0.7 %	1.4 %	0.8 %	0.6 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	1.0000 ppm	1.0000 ppm	25.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm
Concentration per Run 1	0.9837 ppm	0.9988 ppm	25.0374 ppm	0.9995 ppm	0.9991 ppm	0.9966 ppm	0.9994 ppm
Concentration per Run 2	1.0057 ppm	0.9960 ppm	24.8036 ppm	1.0009 ppm	1.0033 ppm	1.0051 ppm	1.0030 ppm
Concentration per Run 3	1.0106 ppm	1.0051 ppm	25.1590 ppm	0.9996 ppm	0.9976 ppm	0.9983 ppm	0.9976 ppm
Concentration RSD	1.4 %	0.5 %	0.7 %	0.1 %	0.3 %	0.4 %	0.3 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	10.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm	1.0000 ppm
Concentration per Run 1	9.9748 ppm	0.9999 ppm	0.9897 ppm	1.0006 ppm	0.9981 ppm	0.9993 ppm	1.0075 ppm
Concentration per Run 2	10.0394 ppm	1.0005 ppm	1.0017 ppm	0.9974 ppm	1.0023 ppm	0.9968 ppm	0.9934 ppm
Concentration per Run 3	9.9858 ppm	0.9995 ppm	1.0086 ppm	1.0021 ppm	0.9996 ppm	1.0040 ppm	0.9991 ppm
Concentration RSD	0.3 %	0.1 %	1.0 %	0.2 %	0.2 %	0.4 %	0.7 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	97.7720 %	96.0097 %	93.6371 %	107.6414 %	81.6255 %	98.5571 %	1.0000 ppm
Concentration per Run 1	99.0610 %	96.4573 %	94.2485 %	109.2143 %	82.1171 %	99.1283 %	1.0046 ppm
Concentration per Run 2	97.3474 %	96.0243 %	92.9861 %	107.2928 %	81.0805 %	98.4725 %	0.9905 ppm
Concentration per Run 3	96.9077 %	95.5475 %	93.6767 %	106.4172 %	81.6791 %	98.0705 %	1.0049 ppm
Concentration RSD	1.2 %	0.5 %	0.7 %	1.3 %	0.6 %	0.5 %	0.8 %

ICP DataTrace 6

7/1/2025 6:40:29 PM



LabBook: WG2085790_07012025T6.imexp

Sample: ICV
Analysis started at: 7/1/2025 12:57:54 PM
Comments: <Comment>
Rack: 0
Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.5019 ppm	0.4852 ppm	0.4854 ppm	0.5032 ppm	0.4822 ppm	0.4882 ppm	0.4909 ppm
Concentration per Run 1	0.5018 ppm	0.4722 ppm	0.4891 ppm	0.5057 ppm	0.4718 ppm	0.4798 ppm	0.4822 ppm
Concentration per Run 2	0.5036 ppm	0.4866 ppm	0.4842 ppm	0.5052 ppm	0.4841 ppm	0.4902 ppm	0.4966 ppm
Concentration per Run 3	0.5003 ppm	0.4967 ppm	0.4828 ppm	0.4987 ppm	0.4906 ppm	0.4947 ppm	0.4939 ppm
Recovery Percentage 1	100.379 %	97.034 %	97.075 %	100.638 %	96.433 %	97.648 %	98.174 %
Concentration RSD	0.3 %	2.5 %	0.7 %	0.8 %	2.0 %	1.6 %	1.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.5056 ppm	0.5150 ppm	0.5046 ppm	0.4917 ppm	0.4942 ppm	5.1212 ppm	0.5145 ppm
Concentration per Run 1	0.5066 ppm	0.5180 ppm	0.5036 ppm	0.4939 ppm	0.4858 ppm	5.0155 ppm	0.5151 ppm
Concentration per Run 2	0.5100 ppm	0.5178 ppm	0.5065 ppm	0.4929 ppm	0.4963 ppm	5.1174 ppm	0.5161 ppm
Concentration per Run 3	0.5001 ppm	0.5094 ppm	0.5039 ppm	0.4883 ppm	0.5004 ppm	5.2308 ppm	0.5123 ppm
Recovery Percentage 1	101.113 %	103.008 %	100.928 %	98.341 %	98.836 %	102.425 %	102.902 %
Concentration RSD	1.0 %	1.0 %	0.3 %	0.6 %	1.5 %	2.1 %	0.4 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.4955 ppm	0.4973 ppm	9.7724 ppm	0.4801 ppm	0.4889 ppm	0.4731 ppm	0.4976 ppm
Concentration per Run 1	0.4892 ppm	0.4991 ppm	9.5432 ppm	0.4821 ppm	0.4906 ppm	0.4746 ppm	0.5005 ppm
Concentration per Run 2	0.4970 ppm	0.5000 ppm	9.7707 ppm	0.4799 ppm	0.4878 ppm	0.4723 ppm	0.4932 ppm
Concentration per Run 3	0.5003 ppm	0.4927 ppm	10.0033 ppm	0.4783 ppm	0.4884 ppm	0.4725 ppm	0.4992 ppm
Recovery Percentage 1	99.102 %	99.452 %	97.724 %	96.025 %	97.786 %	94.629 %	99.528 %
Concentration RSD	1.2 %	0.8 %	2.4 %	0.4 %	0.3 %	0.3 %	0.8 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	5.2365 ppm	0.4681 ppm	0.4797 ppm	0.4947 ppm	0.5019 ppm	0.5062 ppm	0.5100 ppm
Concentration per Run 1	5.2605 ppm	0.4695 ppm	0.4700 ppm	0.4944 ppm	0.5048 ppm	0.5058 ppm	0.5120 ppm
Concentration per Run 2	5.2199 ppm	0.4688 ppm	0.4814 ppm	0.4965 ppm	0.4996 ppm	0.5083 ppm	0.5111 ppm
Concentration per Run 3	5.2293 ppm	0.4659 ppm	0.4875 ppm	0.4932 ppm	0.5014 ppm	0.5044 ppm	0.5068 ppm
Recovery Percentage 1	99.744 %	93.615 %	95.932 %	98.936 %	100.387 %	101.236 %	101.995 %
Concentration RSD	0.4 %	0.4 %	1.8 %	0.3 %	0.5 %	0.4 %	0.5 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	97.6329 %	97.2603 %	95.5911 %	109.7656 %	90.4691 %	100.6122 %	0.5048 ppm
Concentration per Run 1	98.6399 %	96.9265 %	94.9300 %	111.8845 %	90.1835 %	100.3013 %	0.4922 ppm
Concentration per Run 2	97.3775 %	96.9832 %	96.1686 %	109.1202 %	90.7972 %	100.3201 %	0.5046 ppm
Concentration per Run 3	96.8813 %	97.8713 %	95.6748 %	108.2919 %	90.4267 %	101.2151 %	0.5175 ppm
Recovery Percentage 1							100.959 %
Concentration RSD	0.9 %	0.5 %	0.7 %	1.7 %	0.3 %	0.5 %	2.5 %

ICP DataTrace 6

7/1/2025 6:40:29 PM



LabBook: WG2085790_07012025T6.imexp

Sample: ICB
Analysis started at: 7/1/2025 1:04:13 PM
Comments: <Comment>
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	-0.0018 ppm	-0.0001 ppm	0.0009 ppm	0.0000 ppm	0.0000 ppm	-0.0018 ppm
Concentration per Run 1	-0.0002 ppm	-0.0017 ppm	-0.0001 ppm	0.0006 ppm	0.0000 ppm	0.0000 ppm	-0.0025 ppm
Concentration per Run 2	0.0001 ppm	-0.0035 ppm	0.0004 ppm	0.0014 ppm	0.0000 ppm	0.0000 ppm	-0.0013 ppm
Concentration per Run 3	0.0001 ppm	-0.0003 ppm	-0.0007 ppm	0.0008 ppm	0.0000 ppm	0.0000 ppm	-0.0015 ppm
Recovery Percentage 1	-0.119 %	-1.813 %	-2.992 %	3.093 %	0.147 %	-0.231 %	-1.764 %
Concentration RSD	1,607.0 %	88.5 %	368.3 %	43.1 %	190.1 %	88.4 %	37.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0000 ppm	-0.0002 ppm	0.0000 ppm	0.0000 ppm	0.0005 ppm	0.0031 ppm	0.0005 ppm
Concentration per Run 1	0.0000 ppm	-0.0002 ppm	0.0002 ppm	0.0000 ppm	0.0006 ppm	0.0009 ppm	0.0014 ppm
Concentration per Run 2	0.0000 ppm	-0.0002 ppm	0.0000 ppm	0.0000 ppm	0.0006 ppm	0.0026 ppm	0.0001 ppm
Concentration per Run 3	0.0000 ppm	-0.0001 ppm	-0.0002 ppm	-0.0001 ppm	0.0002 ppm	0.0057 ppm	0.0001 ppm
Recovery Percentage 1	0.133 %	-0.775 %	0.407 %	-0.328 %	0.901 %	0.123 %	0.542 %
Concentration RSD	326.9 %	53.7 %	484.8 %	129.3 %	44.8 %	80.1 %	142.9 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0000 ppm	0.0005 ppm	-0.0034 ppm	-0.0002 ppm	0.0002 ppm	-0.0004 ppm	0.0007 ppm
Concentration per Run 1	0.0001 ppm	0.0005 ppm	-0.0025 ppm	0.0000 ppm	-0.0003 ppm	-0.0007 ppm	0.0019 ppm
Concentration per Run 2	0.0000 ppm	0.0006 ppm	-0.0036 ppm	-0.0002 ppm	0.0005 ppm	-0.0004 ppm	0.0009 ppm
Concentration per Run 3	0.0000 ppm	0.0005 ppm	-0.0040 ppm	-0.0003 ppm	0.0003 ppm	-0.0001 ppm	-0.0006 ppm
Recovery Percentage 1	0.448 %	1.044 %	-0.168 %	-0.623 %	1.676 %	-0.835 %	7.340 %
Concentration RSD	153.8 %	5.2 %	22.1 %	87.0 %	224.6 %	69.7 %	177.1 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	0.0006 ppm	-0.0002 ppm	0.0000 ppm	-0.0001 ppm	-0.0001 ppm	-0.0001 ppm	0.0004 ppm
Concentration per Run 1	0.0008 ppm	0.0002 ppm	0.0000 ppm	0.0000 ppm	-0.0005 ppm	-0.0001 ppm	0.0003 ppm
Concentration per Run 2	0.0005 ppm	-0.0001 ppm	0.0000 ppm	-0.0001 ppm	0.0001 ppm	-0.0001 ppm	0.0003 ppm
Concentration per Run 3	0.0005 ppm	-0.0007 ppm	0.0000 ppm	-0.0002 ppm	0.0000 ppm	0.0000 ppm	0.0004 ppm
Recovery Percentage 1	0.119 %	-0.384 %	-0.180 %	-1.132 %	-0.735 %	-1.075 %	7.253 %
Concentration RSD	28.6 %	236.9 %	119.4 %	64.7 %	214.4 %	55.6 %	14.5 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	99.2404 %	97.6786 %	95.9798 %	100.5675 %	97.7462 %	98.1048 %	0.0002 ppm
Concentration per Run 1	100.6060 %	97.7523 %	95.9077 %	100.3557 %	97.2941 %	97.8257 %	0.0003 ppm
Concentration per Run 2	98.7896 %	98.0510 %	95.3562 %	100.3922 %	97.8055 %	98.4604 %	0.0002 ppm
Concentration per Run 3	98.3256 %	97.2323 %	96.6755 %	100.9547 %	98.1389 %	98.0285 %	0.0000 ppm
Recovery Percentage 1							1.714 %
Concentration RSD	1.2 %	0.4 %	0.7 %	0.3 %	0.4 %	0.3 %	95.5 %

ICP DataTrace 6

7/1/2025 6:40:29 PM



LabBook: WG2085790_07012025T6.imexp

Sample: ICV
Analysis started at: 7/1/2025 1:10:55 PM
Comments: <Comment>
Rack: 0
Vial: 10

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.5062 ppm	0.5136 ppm	0.4958 ppm	0.5040 ppm	0.5136 ppm	0.5029 ppm	0.4975 ppm
Concentration per Run 1	0.5055 ppm	0.5151 ppm	0.4990 ppm	0.5014 ppm	0.5135 ppm	0.4997 ppm	0.4924 ppm
Concentration per Run 2	0.5074 ppm	0.5136 ppm	0.4917 ppm	0.5061 ppm	0.5140 ppm	0.5034 ppm	0.4988 ppm
Concentration per Run 3	0.5057 ppm	0.5120 ppm	0.4966 ppm	0.5046 ppm	0.5132 ppm	0.5057 ppm	0.5012 ppm
Recovery Percentage 1	101.240 %	102.717 %	99.157 %	100.806 %	102.714 %	100.587 %	99.494 %
Concentration RSD	0.2 %	0.3 %	0.7 %	0.5 %	0.1 %	0.6 %	0.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.5098 ppm	0.5138 ppm	0.4966 ppm	0.4980 ppm	0.5126 ppm	5.4317 ppm	0.5181 ppm
Concentration per Run 1	0.5068 ppm	0.5114 ppm	0.4975 ppm	0.4961 ppm	0.5098 ppm	5.6271 ppm	0.5166 ppm
Concentration per Run 2	0.5165 ppm	0.5182 ppm	0.4974 ppm	0.4986 ppm	0.5112 ppm	5.3546 ppm	0.5190 ppm
Concentration per Run 3	0.5062 ppm	0.5118 ppm	0.4951 ppm	0.4994 ppm	0.5169 ppm	5.3134 ppm	0.5186 ppm
Recovery Percentage 1	101.962 %	102.759 %	99.328 %	99.608 %	102.520 %	108.634 %	103.620 %
Concentration RSD	1.1 %	0.7 %	0.3 %	0.3 %	0.7 %	3.1 %	0.2 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.5107 ppm	0.5000 ppm	10.4025 ppm	0.4777 ppm	0.4831 ppm	0.4671 ppm	0.4942 ppm
Concentration per Run 1	0.5079 ppm	0.4968 ppm	10.7594 ppm	0.4788 ppm	0.4850 ppm	0.4687 ppm	0.4959 ppm
Concentration per Run 2	0.5101 ppm	0.5039 ppm	10.2811 ppm	0.4773 ppm	0.4822 ppm	0.4646 ppm	0.4919 ppm
Concentration per Run 3	0.5140 ppm	0.4993 ppm	10.1669 ppm	0.4770 ppm	0.4821 ppm	0.4679 ppm	0.4948 ppm
Recovery Percentage 1	102.136 %	99.998 %	104.025 %	95.534 %	96.615 %	93.417 %	98.846 %
Concentration RSD	0.6 %	0.7 %	3.0 %	0.2 %	0.3 %	0.5 %	0.4 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	5.0790 ppm	0.4788 ppm	0.4896 ppm	0.4925 ppm	0.5009 ppm	0.5139 ppm	0.5035 ppm
Concentration per Run 1	5.1030 ppm	0.4807 ppm	0.4892 ppm	0.4916 ppm	0.5020 ppm	0.5128 ppm	0.5032 ppm
Concentration per Run 2	5.0464 ppm	0.4787 ppm	0.4896 ppm	0.4937 ppm	0.4974 ppm	0.5151 ppm	0.5053 ppm
Concentration per Run 3	5.0877 ppm	0.4768 ppm	0.4900 ppm	0.4921 ppm	0.5032 ppm	0.5139 ppm	0.5018 ppm
Recovery Percentage 1	96.744 %	95.753 %	97.914 %	98.493 %	100.170 %	102.790 %	100.692 %
Concentration RSD	0.6 %	0.4 %	0.1 %	0.2 %	0.6 %	0.2 %	0.4 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	97.5773 %	96.1552 %	95.1182 %	106.4036 %	90.9535 %	99.3694 %	0.5325 ppm
Concentration per Run 1	98.3865 %	96.5842 %	94.9402 %	106.7674 %	90.4651 %	99.7519 %	0.5505 ppm
Concentration per Run 2	97.5719 %	96.0898 %	96.1903 %	106.5331 %	91.7870 %	99.3076 %	0.5264 ppm
Concentration per Run 3	96.7736 %	95.7917 %	94.2241 %	105.9104 %	90.6084 %	99.0488 %	0.5205 ppm
Recovery Percentage 1							106.494 %
Concentration RSD	0.8 %	0.4 %	1.0 %	0.4 %	0.8 %	0.4 %	3.0 %

ICP DataTrace 6

7/1/2025 6:40:29 PM



LabBook: WG2085790_07012025T6.imexp

Sample: ICB
Analysis started at: 7/1/2025 1:17:22 PM
Comments: <Comment>
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0002 ppm	-0.0002 ppm	0.0007 ppm	0.0000 ppm	0.0000 ppm	0.0009 ppm
Concentration per Run 1	0.0001 ppm	0.0002 ppm	0.0021 ppm	0.0011 ppm	0.0000 ppm	0.0000 ppm	0.0004 ppm
Concentration per Run 2	-0.0001 ppm	-0.0007 ppm	-0.0006 ppm	0.0004 ppm	0.0000 ppm	0.0000 ppm	0.0006 ppm
Concentration per Run 3	0.0000 ppm	0.0010 ppm	-0.0022 ppm	0.0006 ppm	0.0000 ppm	0.0000 ppm	0.0016 ppm
Recovery Percentage 1	0.233 %	0.166 %	-4.581 %	2.325 %	-0.115 %	-0.069 %	0.858 %
Concentration RSD	384.1 %	493.2 %	954.4 %	49.8 %	219.9 %	241.0 %	75.6 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0000 ppm	-0.0001 ppm	0.0004 ppm	-0.0001 ppm	0.0010 ppm	0.0016 ppm	0.0007 ppm
Concentration per Run 1	0.0000 ppm	-0.0001 ppm	0.0004 ppm	-0.0003 ppm	0.0004 ppm	0.0009 ppm	-0.0007 ppm
Concentration per Run 2	0.0000 ppm	0.0000 ppm	0.0003 ppm	0.0000 ppm	0.0016 ppm	0.0038 ppm	0.0018 ppm
Concentration per Run 3	0.0000 ppm	-0.0001 ppm	0.0004 ppm	-0.0002 ppm	0.0008 ppm	0.0002 ppm	0.0008 ppm
Recovery Percentage 1	0.775 %	-0.442 %	3.767 %	-1.473 %	1.904 %	0.066 %	0.665 %
Concentration RSD	14.4 %	68.9 %	18.6 %	73.1 %	67.2 %	113.5 %	189.1 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0000 ppm	0.0004 ppm	-0.0050 ppm	0.0000 ppm	0.0000 ppm	-0.0002 ppm	0.0006 ppm
Concentration per Run 1	0.0000 ppm	0.0005 ppm	-0.0061 ppm	0.0000 ppm	0.0002 ppm	0.0003 ppm	0.0003 ppm
Concentration per Run 2	0.0000 ppm	0.0003 ppm	-0.0044 ppm	-0.0001 ppm	-0.0001 ppm	-0.0009 ppm	0.0008 ppm
Concentration per Run 3	0.0000 ppm	0.0004 ppm	-0.0044 ppm	0.0000 ppm	-0.0001 ppm	0.0002 ppm	0.0007 ppm
Recovery Percentage 1	-0.105 %	0.842 %	-0.249 %	-0.118 %	0.089 %	-0.305 %	5.881 %
Concentration RSD	349.4 %	25.0 %	20.4 %	194.1 %	2,017.9 %	448.9 %	46.6 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	0.0005 ppm	0.0002 ppm	0.0000 ppm	0.0001 ppm	-0.0003 ppm	0.0000 ppm	0.0004 ppm
Concentration per Run 1	0.0001 ppm	0.0003 ppm	0.0000 ppm	0.0002 ppm	0.0006 ppm	0.0000 ppm	0.0003 ppm
Concentration per Run 2	0.0005 ppm	-0.0002 ppm	0.0000 ppm	0.0003 ppm	-0.0016 ppm	0.0001 ppm	0.0004 ppm
Concentration per Run 3	0.0010 ppm	0.0004 ppm	0.0000 ppm	-0.0001 ppm	0.0000 ppm	0.0000 ppm	0.0004 ppm
Recovery Percentage 1	0.104 %	0.332 %	0.105 %	0.878 %	-1.693 %	0.251 %	8.089 %
Concentration RSD	85.3 %	172.7 %	421.7 %	240.7 %	344.0 %	226.1 %	11.9 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	98.4199 %	97.3168 %	96.2832 %	100.1760 %	98.2399 %	98.0602 %	0.0000 ppm
Concentration per Run 1	99.2190 %	96.8124 %	96.4582 %	98.7263 %	98.1031 %	97.3570 %	-0.0004 ppm
Concentration per Run 2	98.1949 %	97.5365 %	95.7861 %	100.2944 %	98.1140 %	98.3420 %	0.0004 ppm
Concentration per Run 3	97.8457 %	97.6016 %	96.6054 %	101.5072 %	98.5025 %	98.4815 %	0.0000 ppm
Recovery Percentage 1							0.020 %
Concentration RSD	0.7 %	0.5 %	0.5 %	1.4 %	0.2 %	0.6 %	21,102.9 %

ICP DataTrace 6

7/1/2025 6:40:29 PM



LabBook: WG2085790_07012025T6.imexp

Sample: LLOQ RL Check
 Analysis started at: 7/1/2025 1:24:06 PM
 Comments: <Comment>
 Rack: 0
 Vial: 5

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0053 ppm	0.1050 ppm	0.0058 ppm	0.0317 ppm	0.0106 ppm	0.0052 ppm	0.1117 ppm
Concentration per Run 1	0.0052 ppm	0.1038 ppm	0.0060 ppm	0.0322 ppm	0.0105 ppm	0.0052 ppm	0.1110 ppm
Concentration per Run 2	0.0055 ppm	0.1071 ppm	0.0055 ppm	0.0315 ppm	0.0107 ppm	0.0052 ppm	0.1117 ppm
Concentration per Run 3	0.0052 ppm	0.1040 ppm	0.0059 ppm	0.0314 ppm	0.0107 ppm	0.0053 ppm	0.1125 ppm
Recovery Percentage 1	105.804 %	104.967 %	115.827 %	105.573 %	106.152 %	104.653 %	111.723 %
Concentration RSD	4.1 %	1.8 %	5.0 %	1.4 %	0.6 %	0.5 %	0.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0043 ppm	0.0104 ppm	0.0101 ppm	0.0100 ppm	0.0741 ppm	2.6954 ppm	0.1091 ppm
Concentration per Run 1	0.0043 ppm	0.0106 ppm	0.0102 ppm	0.0104 ppm	0.0739 ppm	2.6813 ppm	0.1115 ppm
Concentration per Run 2	0.0043 ppm	0.0104 ppm	0.0101 ppm	0.0099 ppm	0.0742 ppm	2.7129 ppm	0.1084 ppm
Concentration per Run 3	0.0043 ppm	0.0102 ppm	0.0101 ppm	0.0097 ppm	0.0743 ppm	2.6921 ppm	0.1074 ppm
Recovery Percentage 1	107.183 %	104.320 %	101.320 %	99.959 %	148.218 %	107.817 %	109.099 %
Concentration RSD	0.9 %	2.0 %	0.7 %	3.3 %	0.3 %	0.6 %	2.0 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0106 ppm	0.0521 ppm	2.0649 ppm	0.0182 ppm	0.0090 ppm	0.0463 ppm	0.0108 ppm
Concentration per Run 1	0.0103 ppm	0.0526 ppm	2.0460 ppm	0.0183 ppm	0.0097 ppm	0.0464 ppm	0.0117 ppm
Concentration per Run 2	0.0106 ppm	0.0520 ppm	2.0944 ppm	0.0182 ppm	0.0086 ppm	0.0463 ppm	0.0110 ppm
Concentration per Run 3	0.0108 ppm	0.0518 ppm	2.0541 ppm	0.0182 ppm	0.0086 ppm	0.0463 ppm	0.0097 ppm
Recovery Percentage 1	105.756 %	104.222 %	103.243 %	91.002 %	89.608 %	92.676 %	107.963 %
Concentration RSD	2.0 %	0.8 %	1.3 %	0.3 %	7.2 %	0.2 %	9.7 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	0.4909 ppm	0.0484 ppm	0.0098 ppm	0.0102 ppm	0.0181 ppm	0.0102 ppm	0.0055 ppm
Concentration per Run 1	0.4902 ppm	0.0480 ppm	0.0097 ppm	0.0104 ppm	0.0174 ppm	0.0103 ppm	0.0053 ppm
Concentration per Run 2	0.4907 ppm	0.0483 ppm	0.0099 ppm	0.0102 ppm	0.0185 ppm	0.0101 ppm	0.0054 ppm
Concentration per Run 3	0.4917 ppm	0.0488 ppm	0.0099 ppm	0.0100 ppm	0.0185 ppm	0.0102 ppm	0.0056 ppm
Recovery Percentage 1	98.173 %	96.763 %	98.283 %	101.968 %	90.550 %	102.166 %	109.035 %
Concentration RSD	0.2 %	0.9 %	0.8 %	2.0 %	3.6 %	1.3 %	3.1 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	98.1689 %	95.9620 %	94.8709 %	106.2870 %	93.8204 %	98.5848 %	0.0112 ppm
Concentration per Run 1	99.5458 %	94.5908 %	94.2389 %	107.1510 %	93.4528 %	96.7038 %	0.0111 ppm
Concentration per Run 2	97.8097 %	96.4383 %	95.3084 %	106.0816 %	94.1212 %	99.1845 %	0.0113 ppm
Concentration per Run 3	97.1512 %	96.8569 %	95.0654 %	105.6283 %	93.8871 %	99.8663 %	0.0112 ppm
Recovery Percentage 1							111.850 %
Concentration RSD	1.3 %	1.3 %	0.6 %	0.7 %	0.4 %	1.7 %	0.6 %

ICP DataTrace 6

7/1/2025 6:40:29 PM



LabBook: WG2085790_07012025T6.imexp

Sample: ICSA
Analysis started at: 7/1/2025 1:41:18 PM
Comments: <Comment>
Rack: 0
Vial: 6

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0006 ppm	515.6842 [SIC 500]	0.0024 ppm	0.0038 ppm	0.0021 ppm	0.0000 ppm	472.7704 ppm
Concentration per Run 1	0.0008 ppm	510.3982 ppm	0.0057 ppm	0.0046 ppm	0.0021 ppm	0.0000 ppm	478.2450 ppm
Concentration per Run 2	0.0002 ppm	524.4808 ppm	-0.0009 ppm	0.0032 ppm	0.0021 ppm	0.0000 ppm	465.1092 ppm
Concentration per Run 3	0.0008 ppm	512.1736 ppm	0.0024 ppm	0.0037 ppm	0.0021 ppm	0.0000 ppm	474.9570 ppm
Recovery Percentage 1	8.720 %	515,684.190 %	47.728 %	12.763 %	20.807 %	-0.694 %	472,770.398 %
Concentration RSD	57.7 %	1.5 %	137.4 %	19.6 %	0.7 %	34.0 %	1.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	-0.0073 ppm	0.0006 ppm	-0.0016 ppm	-0.0051 ppm	179.0617 ppm	0.0098 ppm	422.5498 ppm
Concentration per Run 1	-0.0070 ppm	0.0007 ppm	-0.0016 ppm	-0.0050 ppm	178.1371 ppm	0.0086 ppm	399.7281 ppm
Concentration per Run 2	-0.0070 ppm	0.0007 ppm	-0.0012 ppm	-0.0051 ppm	179.2493 ppm	0.0071 ppm	404.7434 ppm
Concentration per Run 3	-0.0081 ppm	0.0005 ppm	-0.0021 ppm	-0.0053 ppm	179.7986 ppm	0.0137 ppm	463.1779 ppm
Recovery Percentage 1	-183.652 %	3.218 %	-15.961 %	-51.452 %	358,123.303 %	0.392 %	422,549.816 %
Concentration RSD	8.7 %	21.4 %	28.8 %	2.5 %	0.5 %	35.6 %	8.3 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0023 ppm	-0.0021 ppm	0.0132 ppm	-0.0084 ppm	-0.0102 ppm	-0.0373 ppm	-0.0001 ppm
Concentration per Run 1	0.0024 ppm	-0.0021 ppm	0.0145 ppm	-0.0087 ppm	-0.0100 ppm	-0.0391 ppm	-0.0023 ppm
Concentration per Run 2	0.0020 ppm	-0.0020 ppm	0.0108 ppm	-0.0080 ppm	-0.0100 ppm	-0.0373 ppm	0.0045 ppm
Concentration per Run 3	0.0025 ppm	-0.0022 ppm	0.0141 ppm	-0.0085 ppm	-0.0106 ppm	-0.0356 ppm	-0.0024 ppm
Recovery Percentage 1	23.038 %	-4.197 %	0.658 %	-33.611 %	-101.818 %	-74.619 %	-0.502 %
Concentration RSD	9.9 %	4.1 %	15.4 %	4.1 %	3.5 %	4.7 %	7,863.6 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	-0.0210 ppm	0.0042 ppm	0.0045 ppm	-0.0008 ppm	-0.0211 ppm	-0.0023 ppm	-0.0011 ppm
Concentration per Run 1	-0.0201 ppm	0.0033 ppm	0.0045 ppm	-0.0010 ppm	-0.0221 ppm	-0.0019 ppm	-0.0008 ppm
Concentration per Run 2	-0.0196 ppm	0.0048 ppm	0.0046 ppm	-0.0005 ppm	-0.0214 ppm	-0.0022 ppm	-0.0015 ppm
Concentration per Run 3	-0.0231 ppm	0.0046 ppm	0.0045 ppm	-0.0008 ppm	-0.0197 ppm	-0.0028 ppm	-0.0010 ppm
Recovery Percentage 1	-4.192 %	8.416 %	45.485 %	-7.749 %	-105.289 %	-22.919 %	-21.794 %
Concentration RSD	9.0 %	18.6 %	1.8 %	35.7 %	5.9 %	20.6 %	34.4 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	87.9310 %	79.2102 %	79.3076 %	96.5537 %	53.4818 %	81.6782 %	0.0285 ppm
Concentration per Run 1	88.1717 %	82.6184 %	79.4788 %	96.9844 %	53.1589 %	84.5694 %	0.0279 ppm
Concentration per Run 2	87.6775 %	82.7407 %	79.6492 %	96.5597 %	54.0033 %	84.7132 %	0.0292 ppm
Concentration per Run 3	87.9438 %	72.2715 %	78.7947 %	96.1169 %	53.2832 %	75.7520 %	0.0285 ppm
Recovery Percentage 1							285.342 %
Concentration RSD	0.3 %	7.6 %	0.6 %	0.4 %	0.9 %	6.3 %	2.3 %

ICP DataTrace 6

7/1/2025 6:40:29 PM



LabBook: WG2085790_07012025T6.imexp

Sample: SIC Cr Mn V Ti
 Analysis started at: 7/1/2025 1:49:23 PM
 Comments: <Comment>
 Rack: 0
 Vial: 7

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0016 ppm	0.0076 ppm	-0.0035 ppm	0.0016 ppm	0.0002 ppm	0.0018 ppm	0.0109 ppm
Concentration per Run 1	0.0015 ppm	0.0091 ppm	-0.0023 ppm	0.0014 ppm	0.0002 ppm	0.0014 ppm	0.0131 ppm
Concentration per Run 2	0.0015 ppm	0.0052 ppm	-0.0028 ppm	0.0017 ppm	0.0001 ppm	0.0023 ppm	0.0118 ppm
Concentration per Run 3	0.0016 ppm	0.0086 ppm	-0.0054 ppm	0.0016 ppm	0.0002 ppm	0.0018 ppm	0.0080 ppm
Recovery Percentage 1	22.197 %	7.622 %	-69.905 %	5.232 %	1.574 %	36.799 %	10.937 %
Concentration RSD	2.9 %	28.0 %	47.6 %	8.9 %	28.6 %	23.0 %	24.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	-0.0027 ppm	-0.0156 ppm	19.1890 ppm	0.0017 ppm	0.0097 ppm	0.0003 ppm	-0.0370 ppm
Concentration per Run 1	-0.0027 ppm	-0.0151 ppm	19.5810 ppm	0.0016 ppm	0.0104 ppm	0.0054 ppm	-0.0374 ppm
Concentration per Run 2	-0.0028 ppm	-0.0164 ppm	18.4585 ppm	0.0019 ppm	0.0092 ppm	-0.0082 ppm	-0.0361 ppm
Concentration per Run 3	-0.0028 ppm	-0.0155 ppm	19.5274 ppm	0.0016 ppm	0.0094 ppm	0.0036 ppm	-0.0377 ppm
Recovery Percentage 1	-68.536 %	-78.247 %	191,889.693 %	17.244 %	19.377 %	0.010 %	-37.042 %
Concentration RSD	0.6 %	4.2 %	3.3 %	10.9 %	6.3 %	2,848.6 %	2.3 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	20.1560 [SIC 20]	-0.0027 ppm	0.0026 ppm	-0.0003 ppm	-0.0059 ppm	-0.0029 ppm	-0.0095 ppm
Concentration per Run 1	20.0746 ppm	-0.0027 ppm	0.0045 ppm	-0.0004 ppm	-0.0057 ppm	-0.0034 ppm	-0.0100 ppm
Concentration per Run 2	20.1172 ppm	-0.0027 ppm	0.0030 ppm	-0.0003 ppm	-0.0066 ppm	-0.0011 ppm	-0.0085 ppm
Concentration per Run 3	20.2761 ppm	-0.0027 ppm	0.0004 ppm	-0.0003 ppm	-0.0054 ppm	-0.0043 ppm	-0.0101 ppm
Recovery Percentage 1	201,559.839 %	-5.387 %	0.132 %	-1.352 %	-58.906 %	-5.874 %	-95.403 %
Concentration RSD	0.5 %	1.0 %	79.1 %	14.0 %	10.8 %	57.3 %	9.7 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	0.0585 ppm	-0.0010 ppm	0.0002 ppm	19.6087 ppm	-0.0330 ppm	10.1003 [SIC 10]	-0.0011 ppm
Concentration per Run 1	0.0597 ppm	-0.0010 ppm	0.0002 ppm	19.4064 ppm	-0.0329 ppm	10.2843 ppm	-0.0004 ppm
Concentration per Run 2	0.0573 ppm	-0.0014 ppm	0.0002 ppm	19.8283 ppm	-0.0329 ppm	10.0240 ppm	-0.0026 ppm
Concentration per Run 3	0.0584 ppm	-0.0007 ppm	0.0002 ppm	19.5915 ppm	-0.0333 ppm	9.9926 ppm	-0.0004 ppm
Recovery Percentage 1	11.693 %	-2.083 %	2.059 %	196,086.917 %	-165.167 %	101,002.927 %	-22.427 %
Concentration RSD	2.1 %	36.3 %	10.4 %	1.1 %	0.7 %	1.6 %	111.8 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	96.9217 %	95.7712 %	94.1148 %	107.0799 %	87.6207 %	99.0892 %	-0.0019 ppm
Concentration per Run 1	98.2850 %	96.1203 %	94.5580 %	108.0974 %	87.7316 %	98.9450 %	-0.0019 ppm
Concentration per Run 2	96.4173 %	95.0758 %	93.5145 %	106.7101 %	87.4507 %	99.4369 %	-0.0019 ppm
Concentration per Run 3	96.0627 %	96.1176 %	94.2718 %	106.4322 %	87.6798 %	98.8857 %	-0.0018 ppm
Recovery Percentage 1							-18.734 %
Concentration RSD	1.2 %	0.6 %	0.6 %	0.8 %	0.2 %	0.3 %	1.6 %

ICP DataTrace 6

7/1/2025 6:40:29 PM



LabBook: WG2085790_07012025T6.imexp

Sample: LDR Check
Analysis started at: 7/1/2025 1:56:58 PM
Comments: <Comment>
Rack: 0
Vial: 8

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0009 ppm	0.1077 ppm	5.8126 ppm	4.9569 ppm	9.9943 ppm	0.0016 ppm	0.0141 ppm
Concentration per Run 1	0.0011 ppm	0.1044 ppm	5.7947 ppm	5.0099 ppm	9.9622 ppm	0.0016 ppm	0.0132 ppm
Concentration per Run 2	0.0008 ppm	0.1088 ppm	5.7965 ppm	4.9250 ppm	10.0090 ppm	0.0016 ppm	0.0130 ppm
Concentration per Run 3	0.0010 ppm	0.1099 ppm	5.8466 ppm	4.9358 ppm	10.0116 ppm	0.0016 ppm	0.0163 ppm
Recovery Percentage 1	0.000 %	0.000 %	116.252 %	99.138 %	99.943 %	0.000 %	0.000 %
Concentration RSD	12.4 %	2.7 %	0.5 %	0.9 %	0.3 %	1.3 %	13.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0007 ppm	0.0023 ppm	-0.0006 ppm	20.2468 [SIC 20]	0.0045 ppm	289.4712 ppm	-0.0399 ppm
Concentration per Run 1	0.0007 ppm	0.0024 ppm	-0.0008 ppm	20.3805 ppm	0.0047 ppm	284.4864 ppm	-0.0397 ppm
Concentration per Run 2	0.0006 ppm	0.0024 ppm	-0.0007 ppm	20.1124 ppm	0.0050 ppm	295.4889 ppm	-0.0407 ppm
Concentration per Run 3	0.0006 ppm	0.0022 ppm	-0.0004 ppm	20.2475 ppm	0.0038 ppm	288.4383 ppm	-0.0394 ppm
Recovery Percentage 1	0.000 %	0.000 %	0.000 %	101.234 %	0.000 %	96.490 %	0.000 %
Concentration RSD	10.7 %	6.8 %	30.1 %	0.7 %	13.7 %	1.9 %	1.6 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0005 ppm	4.9049 ppm	414.1708 [SIC 500]	10.4049 [SIC 20]	48.5682 ppm	0.0037 ppm	0.0015 ppm
Concentration per Run 1	0.0004 ppm	4.9722 ppm	423.0625 ppm	10.4132 ppm	48.5558 ppm	0.0030 ppm	0.0037 ppm
Concentration per Run 2	0.0006 ppm	4.8710 ppm	424.9605 ppm	10.3832 ppm	48.4678 ppm	0.0041 ppm	-0.0011 ppm
Concentration per Run 3	0.0006 ppm	4.8714 ppm	394.4894 ppm	10.4183 ppm	48.6809 ppm	0.0039 ppm	0.0019 ppm
Recovery Percentage 1	0.000 %	98.098 %	82.834 %	104.049 %	97.136 %	0.000 %	0.000 %
Concentration RSD	16.2 %	1.2 %	4.1 %	0.2 %	0.2 %	15.3 %	158.6 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	23.1036 [SIC 200]	0.0059 ppm	0.0018 ppm	0.0010 ppm	-0.0060 ppm	-0.0051 ppm	20.5567 [SIC 20]
Concentration per Run 1	23.0097 ppm	0.0058 ppm	0.0018 ppm	0.0010 ppm	-0.0060 ppm	-0.0046 ppm	20.6991 ppm
Concentration per Run 2	23.0742 ppm	0.0055 ppm	0.0018 ppm	0.0011 ppm	-0.0053 ppm	-0.0054 ppm	20.4557 ppm
Concentration per Run 3	23.2269 ppm	0.0065 ppm	0.0018 ppm	0.0009 ppm	-0.0069 ppm	-0.0052 ppm	20.5154 ppm
Recovery Percentage 1	115.518 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	102.784 %
Concentration RSD	0.5 %	9.0 %	0.8 %	8.8 %	13.7 %	8.2 %	0.6 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	89.7847 %	82.5949 %	79.3678 %	99.1669 %	65.6977 %	85.1465 %	4.7669 ppm
Concentration per Run 1	90.1488 %	82.0966 %	79.9766 %	99.3466 %	66.2072 %	84.5467 %	4.7635 ppm
Concentration per Run 2	89.4270 %	82.9576 %	79.5100 %	98.9888 %	65.7182 %	85.5955 %	4.7716 ppm
Concentration per Run 3	89.7784 %	82.7305 %	78.6168 %	99.1652 %	65.1677 %	85.2972 %	4.7654 ppm
Recovery Percentage 1							95.337 %
Concentration RSD	0.4 %	0.5 %	0.9 %	0.2 %	0.8 %	0.6 %	0.1 %

ICP DataTrace 6

7/1/2025 6:40:29 PM



LabBook: WG2085790_07012025T6.imexp

Sample: LLOQ 05 Fe
Analysis started at: 7/1/2025 2:40:21 PM
Comments: <Comment>
Rack: 1
Vial: 1

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0532 ppm	0.0535 ppm	0.0504 ppm	0.0531 ppm	0.0549 ppm	0.0530 ppm	0.0558 ppm
Concentration per Run 1	0.0532 ppm	0.0556 ppm	0.0497 ppm	0.0534 ppm	0.0557 ppm	0.0536 ppm	0.0571 ppm
Concentration per Run 2	0.0533 ppm	0.0520 ppm	0.0531 ppm	0.0529 ppm	0.0546 ppm	0.0530 ppm	0.0570 ppm
Concentration per Run 3	0.0529 ppm	0.0528 ppm	0.0484 ppm	0.0531 ppm	0.0544 ppm	0.0525 ppm	0.0534 ppm
Recovery Percentage 1	0.000 %	106.961 %	0.000 %	0.000 %	0.000 %	0.000 %	111.663 %
Concentration RSD	0.4 %	3.4 %	4.8 %	0.4 %	1.3 %	1.0 %	3.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0535 ppm	0.0544 ppm	0.0509 ppm	0.0521 ppm	0.0555 ppm	0.5785 ppm	0.0564 ppm
Concentration per Run 1	0.0535 ppm	0.0546 ppm	0.0513 ppm	0.0525 ppm	0.0563 ppm	0.5963 ppm	0.0558 ppm
Concentration per Run 2	0.0534 ppm	0.0543 ppm	0.0505 ppm	0.0522 ppm	0.0557 ppm	0.5749 ppm	0.0554 ppm
Concentration per Run 3	0.0535 ppm	0.0542 ppm	0.0508 ppm	0.0517 ppm	0.0545 ppm	0.5641 ppm	0.0580 ppm
Recovery Percentage 1	0.000 %	0.000 %	0.000 %	0.000 %	110.930 %	23.138 %	112.817 %
Concentration RSD	0.1 %	0.3 %	0.8 %	0.7 %	1.7 %	2.8 %	2.5 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0545 ppm	0.0515 ppm	1.1060 ppm	0.0467 ppm	0.0478 ppm	0.0455 ppm	0.0542 ppm
Concentration per Run 1	0.0553 ppm	0.0516 ppm	1.1343 ppm	0.0466 ppm	0.0478 ppm	0.0463 ppm	0.0549 ppm
Concentration per Run 2	0.0544 ppm	0.0514 ppm	1.0929 ppm	0.0472 ppm	0.0484 ppm	0.0454 ppm	0.0552 ppm
Concentration per Run 3	0.0540 ppm	0.0515 ppm	1.0907 ppm	0.0463 ppm	0.0473 ppm	0.0447 ppm	0.0525 ppm
Recovery Percentage 1	0.000 %	0.000 %	110.597 %	0.000 %	0.000 %	90.929 %	0.000 %
Concentration RSD	1.2 %	0.3 %	2.2 %	1.0 %	1.1 %	1.8 %	2.8 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	0.5026 ppm	0.0459 ppm	0.0510 ppm	0.0504 ppm	0.0503 ppm	0.0532 ppm	0.0511 ppm
Concentration per Run 1	0.5053 ppm	0.0461 ppm	0.0518 ppm	0.0505 ppm	0.0505 ppm	0.0531 ppm	0.0511 ppm
Concentration per Run 2	0.5059 ppm	0.0460 ppm	0.0507 ppm	0.0503 ppm	0.0508 ppm	0.0533 ppm	0.0512 ppm
Concentration per Run 3	0.4965 ppm	0.0455 ppm	0.0506 ppm	0.0505 ppm	0.0495 ppm	0.0531 ppm	0.0508 ppm
Recovery Percentage 1	100.516 %	0.000 %	0.000 %	0.000 %	0.000 %	0.000 %	102.106 %
Concentration RSD	1.0 %	0.7 %	1.4 %	0.3 %	1.3 %	0.2 %	0.5 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	98.6687 %	96.2935 %	95.6945 %	103.1286 %	98.3822 %	98.5795 %	0.0596 ppm
Concentration per Run 1	99.2349 %	96.0016 %	95.1173 %	101.9709 %	98.0841 %	98.1133 %	0.0614 ppm
Concentration per Run 2	98.2130 %	96.5033 %	95.3628 %	103.1968 %	97.6285 %	98.7305 %	0.0588 ppm
Concentration per Run 3	98.5582 %	96.3756 %	96.6034 %	104.2180 %	99.4341 %	98.8947 %	0.0585 ppm
Recovery Percentage 1							0.000 %
Concentration RSD	0.5 %	0.3 %	0.8 %	1.1 %	1.0 %	0.4 %	2.7 %

ICP DataTrace 6

7/1/2025 6:40:29 PM



LabBook: WG2085790_07012025T6.imexp

Sample: LDR 500 Mg
 Analysis started at: 7/1/2025 2:46:51 PM
 Comments: <Comment>
 Rack: 1
 Vial: 2

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0003 ppm	0.0019 ppm	0.0009 ppm	0.0005 ppm	0.0018 ppm	0.0000 ppm	-0.0279 ppm
Concentration per Run 1	0.0003 ppm	0.0030 ppm	0.0014 ppm	0.0005 ppm	0.0019 ppm	-0.0001 ppm	-0.0282 ppm
Concentration per Run 2	0.0004 ppm	0.0026 ppm	0.0029 ppm	0.0004 ppm	0.0018 ppm	0.0000 ppm	-0.0305 ppm
Concentration per Run 3	0.0002 ppm	0.0000 ppm	-0.0015 ppm	0.0007 ppm	0.0017 ppm	0.0000 ppm	-0.0250 ppm
Recovery Percentage 1	4.374 %	1.886 %	18.014 %	1.706 %	17.976 %	-0.631 %	-27.929 %
Concentration RSD	28.4 %	85.8 %	247.5 %	25.0 %	3.6 %	66.0 %	9.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0000 ppm	0.0003 ppm	-0.0001 ppm	-0.0053 ppm	-0.0317 ppm	0.0185 ppm	503.6943 [SIC 500]
Concentration per Run 1	0.0000 ppm	0.0004 ppm	0.0000 ppm	-0.0055 ppm	-0.0323 ppm	0.0106 ppm	504.1663 ppm
Concentration per Run 2	0.0000 ppm	0.0002 ppm	-0.0002 ppm	-0.0053 ppm	-0.0316 ppm	0.0255 ppm	507.6513 ppm
Concentration per Run 3	0.0001 ppm	0.0003 ppm	-0.0002 ppm	-0.0052 ppm	-0.0312 ppm	0.0195 ppm	499.2653 ppm
Recovery Percentage 1	0.040 %	1.555 %	-1.338 %	-53.422 %	-63.349 %	0.741 %	503,694.310 %
Concentration RSD	3,247.5 %	25.4 %	98.9 %	2.7 %	1.7 %	40.5 %	0.8 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0008 ppm	-0.0001 ppm	0.0058 ppm	-0.0012 ppm	-0.0011 ppm	0.0002 ppm	-0.0005 ppm
Concentration per Run 1	0.0009 ppm	-0.0002 ppm	0.0053 ppm	-0.0014 ppm	-0.0020 ppm	0.0005 ppm	0.0007 ppm
Concentration per Run 2	0.0007 ppm	0.0000 ppm	0.0027 ppm	-0.0011 ppm	-0.0002 ppm	-0.0005 ppm	-0.0012 ppm
Concentration per Run 3	0.0007 ppm	-0.0001 ppm	0.0092 ppm	-0.0012 ppm	-0.0010 ppm	0.0006 ppm	-0.0009 ppm
Recovery Percentage 1	7.595 %	-0.173 %	0.288 %	-4.966 %	-10.835 %	0.367 %	-4.559 %
Concentration RSD	16.1 %	164.4 %	57.0 %	10.6 %	85.2 %	331.3 %	226.1 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	0.0059 ppm	0.0011 ppm	-0.0051 ppm	0.0004 ppm	-0.0032 ppm	-0.0005 ppm	0.0000 ppm
Concentration per Run 1	0.0055 ppm	0.0011 ppm	-0.0053 ppm	0.0002 ppm	-0.0022 ppm	-0.0005 ppm	-0.0001 ppm
Concentration per Run 2	0.0059 ppm	0.0006 ppm	-0.0051 ppm	0.0004 ppm	-0.0041 ppm	-0.0004 ppm	0.0000 ppm
Concentration per Run 3	0.0062 ppm	0.0015 ppm	-0.0050 ppm	0.0005 ppm	-0.0032 ppm	-0.0007 ppm	0.0000 ppm
Recovery Percentage 1	1.171 %	2.151 %	-51.489 %	3.537 %	-15.804 %	-5.405 %	-0.133 %
Concentration RSD	5.2 %	44.2 %	3.1 %	34.1 %	29.0 %	21.6 %	711.7 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	91.7149 %	85.0067 %	80.8237 %	91.8553 %	65.4324 %	86.1946 %	-0.0002 ppm
Concentration per Run 1	92.1018 %	85.1069 %	80.4088 %	88.8099 %	64.7075 %	86.1292 %	-0.0002 ppm
Concentration per Run 2	91.7545 %	85.0398 %	81.2977 %	92.6184 %	65.9252 %	86.1887 %	-0.0004 ppm
Concentration per Run 3	91.2883 %	84.8734 %	80.7645 %	94.1377 %	65.6647 %	86.2660 %	-0.0002 ppm
Recovery Percentage 1							-2.480 %
Concentration RSD	0.4 %	0.1 %	0.6 %	3.0 %	1.0 %	0.1 %	43.3 %

ICP DataTrace 6

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LabBook: WG2085790_07012025T6.imexp

Sample: CCV
Analysis started at: 7/1/2025 3:13:53 PM
Comments: <Comment>
Rack: 0
Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.5052 ppm	0.5112 ppm	0.5014 ppm	0.5024 ppm	0.5144 ppm	0.5047 ppm	0.4888 ppm
Concentration per Run 1	0.5067 ppm	0.5043 ppm	0.4979 ppm	0.5016 ppm	0.5105 ppm	0.5048 ppm	0.4912 ppm
Concentration per Run 2	0.5047 ppm	0.5146 ppm	0.5043 ppm	0.5014 ppm	0.5143 ppm	0.5050 ppm	0.4929 ppm
Concentration per Run 3	0.5041 ppm	0.5148 ppm	0.5019 ppm	0.5042 ppm	0.5185 ppm	0.5042 ppm	0.4822 ppm
Recovery Percentage 1	101.037 %	102.249 %	100.274 %	100.481 %	102.884 %	100.936 %	97.750 %
Concentration RSD	0.3 %	1.2 %	0.6 %	0.3 %	0.8 %	0.1 %	1.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.5026 ppm	0.5088 ppm	0.4887 ppm	0.5009 ppm	0.5089 ppm	5.3220 ppm	0.5192 ppm
Concentration per Run 1	0.5033 ppm	0.5093 ppm	0.4897 ppm	0.4999 ppm	0.5104 ppm	5.1743 ppm	0.5183 ppm
Concentration per Run 2	0.5026 ppm	0.5091 ppm	0.4900 ppm	0.5011 ppm	0.5106 ppm	5.3058 ppm	0.5205 ppm
Concentration per Run 3	0.5020 ppm	0.5079 ppm	0.4864 ppm	0.5018 ppm	0.5056 ppm	5.4858 ppm	0.5187 ppm
Recovery Percentage 1	100.523 %	101.751 %	97.741 %	100.185 %	101.771 %	106.439 %	103.835 %
Concentration RSD	0.1 %	0.1 %	0.4 %	0.2 %	0.6 %	2.9 %	0.2 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.5097 ppm	0.4989 ppm	10.0557 ppm	0.4786 ppm	0.4793 ppm	0.4656 ppm	0.4988 ppm
Concentration per Run 1	0.5117 ppm	0.4980 ppm	9.7937 ppm	0.4805 ppm	0.4786 ppm	0.4658 ppm	0.4974 ppm
Concentration per Run 2	0.5103 ppm	0.4992 ppm	10.0047 ppm	0.4779 ppm	0.4795 ppm	0.4644 ppm	0.4979 ppm
Concentration per Run 3	0.5070 ppm	0.4995 ppm	10.3686 ppm	0.4774 ppm	0.4797 ppm	0.4666 ppm	0.5011 ppm
Recovery Percentage 1	101.932 %	99.780 %	100.557 %	95.724 %	95.861 %	93.128 %	99.754 %
Concentration RSD	0.5 %	0.2 %	2.9 %	0.3 %	0.1 %	0.2 %	0.4 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	5.1595 ppm	0.4646 ppm	0.4839 ppm	0.4856 ppm	0.5008 ppm	0.5169 ppm	0.4974 ppm
Concentration per Run 1	5.1665 ppm	0.4648 ppm	0.4801 ppm	0.4866 ppm	0.4998 ppm	0.5168 ppm	0.4983 ppm
Concentration per Run 2	5.1567 ppm	0.4641 ppm	0.4841 ppm	0.4855 ppm	0.5018 ppm	0.5176 ppm	0.4983 ppm
Concentration per Run 3	5.1553 ppm	0.4649 ppm	0.4874 ppm	0.4847 ppm	0.5008 ppm	0.5162 ppm	0.4954 ppm
Recovery Percentage 1	98.276 %	92.920 %	96.773 %	97.126 %	100.163 %	103.372 %	99.472 %
Concentration RSD	0.1 %	0.1 %	0.8 %	0.2 %	0.2 %	0.1 %	0.3 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	97.1182 %	93.7268 %	92.1034 %	105.6304 %	89.0480 %	97.7438 %	0.5250 ppm
Concentration per Run 1	98.2346 %	93.9031 %	92.3250 %	105.9742 %	88.8971 %	97.8370 %	0.5098 ppm
Concentration per Run 2	96.9164 %	93.7275 %	91.9606 %	105.6219 %	89.1156 %	97.7903 %	0.5229 ppm
Concentration per Run 3	96.2035 %	93.5499 %	92.0245 %	105.2951 %	89.1314 %	97.6042 %	0.5423 ppm
Recovery Percentage 1							105.002 %
Concentration RSD	1.1 %	0.2 %	0.2 %	0.3 %	0.1 %	0.1 %	3.1 %

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LabBook: WG2085790_07012025T6.imexp

Sample: CCB
Analysis started at: 7/1/2025 3:20:12 PM
Comments: <Comment>
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0002 ppm	-0.0009 ppm	-0.0009 ppm	0.0006 ppm	0.0000 ppm	0.0000 ppm	-0.0011 ppm
Concentration per Run 1	-0.0002 ppm	-0.0031 ppm	-0.0011 ppm	0.0004 ppm	0.0000 ppm	0.0000 ppm	-0.0004 ppm
Concentration per Run 2	-0.0003 ppm	0.0010 ppm	-0.0014 ppm	0.0011 ppm	0.0000 ppm	0.0000 ppm	0.0010 ppm
Concentration per Run 3	0.0001 ppm	-0.0007 ppm	-0.0003 ppm	0.0004 ppm	0.0000 ppm	0.0000 ppm	-0.0040 ppm
Recovery Percentage 1	-2.190 %	-0.924 %	-18.894 %	2.035 %	-0.038 %	0.015 %	-1.130 %
Concentration RSD	134.4 %	218.7 %	61.4 %	69.9 %	963.5 %	1,350.6 %	226.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0000 ppm	-0.0001 ppm	-0.0001 ppm	-0.0001 ppm	0.0010 ppm	0.0165 ppm	0.0005 ppm
Concentration per Run 1	0.0000 ppm	-0.0001 ppm	-0.0001 ppm	-0.0002 ppm	0.0006 ppm	0.0294 ppm	0.0011 ppm
Concentration per Run 2	0.0000 ppm	0.0001 ppm	0.0000 ppm	0.0000 ppm	0.0004 ppm	0.0095 ppm	0.0008 ppm
Concentration per Run 3	0.0000 ppm	-0.0002 ppm	-0.0001 ppm	0.0000 ppm	0.0020 ppm	0.0106 ppm	-0.0005 ppm
Recovery Percentage 1	-0.023 %	-0.295 %	-0.716 %	-0.544 %	2.080 %	0.659 %	0.462 %
Concentration RSD	2,054.4 %	289.1 %	77.6 %	175.0 %	84.4 %	68.0 %	180.5 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0000 ppm	0.0004 ppm	-0.0005 ppm	-0.0001 ppm	0.0001 ppm	-0.0001 ppm	0.0017 ppm
Concentration per Run 1	0.0001 ppm	0.0006 ppm	-0.0003 ppm	-0.0001 ppm	-0.0003 ppm	-0.0001 ppm	0.0023 ppm
Concentration per Run 2	0.0000 ppm	0.0004 ppm	-0.0025 ppm	0.0001 ppm	0.0004 ppm	-0.0006 ppm	0.0011 ppm
Concentration per Run 3	0.0001 ppm	0.0002 ppm	0.0013 ppm	-0.0005 ppm	0.0003 ppm	0.0002 ppm	0.0016 ppm
Recovery Percentage 1	0.437 %	0.818 %	-0.026 %	-0.568 %	1.033 %	-0.260 %	16.956 %
Concentration RSD	61.7 %	47.4 %	369.1 %	207.2 %	338.3 %	312.6 %	34.7 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	0.0004 ppm	0.0000 ppm	0.0000 ppm	0.0001 ppm	0.0000 ppm	0.0000 ppm	0.0004 ppm
Concentration per Run 1	0.0002 ppm	-0.0002 ppm	0.0000 ppm	0.0002 ppm	0.0000 ppm	0.0000 ppm	0.0004 ppm
Concentration per Run 2	0.0005 ppm	0.0001 ppm	0.0000 ppm	0.0000 ppm	-0.0001 ppm	0.0000 ppm	0.0004 ppm
Concentration per Run 3	0.0006 ppm	0.0001 ppm	0.0000 ppm	0.0002 ppm	0.0001 ppm	0.0000 ppm	0.0004 ppm
Recovery Percentage 1	0.079 %	0.006 %	0.080 %	1.376 %	-0.137 %	0.058 %	7.760 %
Concentration RSD	53.5 %	5,631.8 %	463.1 %	101.9 %	325.6 %	601.9 %	9.4 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	97.1886 %	93.6264 %	92.9904 %	97.9183 %	96.5688 %	95.1676 %	0.0002 ppm
Concentration per Run 1	97.5825 %	93.8916 %	92.9800 %	95.4190 %	96.1882 %	95.2443 %	0.0002 ppm
Concentration per Run 2	96.9034 %	93.9224 %	93.1429 %	98.2140 %	96.5483 %	95.4239 %	0.0001 ppm
Concentration per Run 3	97.0800 %	93.0652 %	92.8484 %	100.1219 %	96.9698 %	94.8347 %	0.0002 ppm
Recovery Percentage 1							1.632 %
Concentration RSD	0.4 %	0.5 %	0.2 %	2.4 %	0.4 %	0.3 %	52.3 %

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LabBook: WG2085790_07012025T6.imexp

Sample: WG2085603-2 WG2085603

Analysis started at: 7/1/2025 3:30:00 PM

Comments: <Comment>

Rack: 1

Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0577 ppm	2.5022 ppm	0.1295 ppm	0.9968 ppm	2.4052 ppm	0.0565 ppm	10.1753 ppm
Concentration per Run 1	0.0574 ppm	2.5232 ppm	0.1303 ppm	1.0004 ppm	2.4159 ppm	0.0576 ppm	10.4377 ppm
Concentration per Run 2	0.0574 ppm	2.5151 ppm	0.1288 ppm	0.9925 ppm	2.3965 ppm	0.0562 ppm	10.0486 ppm
Concentration per Run 3	0.0581 ppm	2.4682 ppm	0.1295 ppm	0.9975 ppm	2.4032 ppm	0.0556 ppm	10.0395 ppm
Concentration RSD	0.7 %	1.2 %	0.6 %	0.4 %	0.4 %	1.9 %	2.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0523 ppm	0.5435 ppm	0.2114 ppm	0.2815 ppm	1.1566 ppm	12.2947 ppm	10.5768 ppm
Concentration per Run 1	0.0526 ppm	0.5458 ppm	0.2110 ppm	0.2825 ppm	1.1768 ppm	12.1388 ppm	10.5613 ppm
Concentration per Run 2	0.0519 ppm	0.5401 ppm	0.2100 ppm	0.2804 ppm	1.1510 ppm	12.5508 ppm	10.5506 ppm
Concentration per Run 3	0.0524 ppm	0.5447 ppm	0.2131 ppm	0.2816 ppm	1.1419 ppm	12.1947 ppm	10.6187 ppm
Concentration RSD	0.7 %	0.6 %	0.8 %	0.4 %	1.6 %	1.8 %	0.3 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.5689 ppm	0.9983 ppm	12.1410 ppm	0.5238 ppm	0.5153 ppm	0.4682 ppm	0.1235 ppm
Concentration per Run 1	0.5810 ppm	0.9993 ppm	12.0194 ppm	0.5239 ppm	0.5170 ppm	0.4673 ppm	0.1218 ppm
Concentration per Run 2	0.5646 ppm	0.9932 ppm	12.3882 ppm	0.5263 ppm	0.5168 ppm	0.4690 ppm	0.1262 ppm
Concentration per Run 3	0.5612 ppm	1.0025 ppm	12.0154 ppm	0.5211 ppm	0.5121 ppm	0.4683 ppm	0.1225 ppm
Concentration RSD	1.9 %	0.5 %	1.8 %	0.5 %	0.5 %	0.2 %	1.9 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	1.1197 ppm	0.9560 ppm	1.0129 ppm	0.9971 ppm	0.1191 ppm	0.5731 ppm	0.5339 ppm
Concentration per Run 1	1.1236 ppm	0.9581 ppm	1.0238 ppm	0.9966 ppm	0.1193 ppm	0.5722 ppm	0.5336 ppm
Concentration per Run 2	1.1231 ppm	0.9569 ppm	1.0146 ppm	0.9923 ppm	0.1208 ppm	0.5712 ppm	0.5332 ppm
Concentration per Run 3	1.1125 ppm	0.9530 ppm	1.0002 ppm	1.0024 ppm	0.1172 ppm	0.5760 ppm	0.5347 ppm
Concentration RSD	0.6 %	0.3 %	1.2 %	0.5 %	1.5 %	0.4 %	0.1 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	96.2140 %	90.7641 %	88.4108 %	101.2460 %	85.1798 %	94.4552 %	0.0008 ppm
Concentration per Run 1	96.9895 %	91.7919 %	88.6876 %	99.8694 %	85.1600 %	94.2107 %	0.0007 ppm
Concentration per Run 2	96.1534 %	91.5893 %	88.1490 %	101.6716 %	84.8482 %	94.7796 %	0.0008 ppm
Concentration per Run 3	95.4991 %	88.9111 %	88.3957 %	102.1970 %	85.5312 %	94.3754 %	0.0009 ppm
Concentration RSD	0.8 %	1.8 %	0.3 %	1.2 %	0.4 %	0.3 %	8.9 %

ICP DataTrace 6

7/1/2025 6:40:29 PM



LabBook: WG2085790_07012025T6.imexp

Sample: CCV
 Analysis started at: 7/1/2025 3:36:27 PM
 Comments: <Comment>
 Rack: 0
 Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.5067 ppm	0.5261 ppm	0.5101 ppm	0.5035 ppm	0.5279 ppm	0.5114 ppm	0.4893 ppm
Concentration per Run 1	0.5071 ppm	0.5278 ppm	0.5089 ppm	0.5028 ppm	0.5341 ppm	0.5179 ppm	0.4933 ppm
Concentration per Run 2	0.5063 ppm	0.5262 ppm	0.5107 ppm	0.5038 ppm	0.5257 ppm	0.5094 ppm	0.4876 ppm
Concentration per Run 3	0.5066 ppm	0.5242 ppm	0.5105 ppm	0.5041 ppm	0.5239 ppm	0.5069 ppm	0.4868 ppm
Recovery Percentage 1	101.337 %	105.211 %	102.013 %	100.707 %	105.577 %	102.283 %	97.853 %
Concentration RSD	0.1 %	0.3 %	0.2 %	0.1 %	1.0 %	1.1 %	0.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.4982 ppm	0.5047 ppm	0.4806 ppm	0.5061 ppm	0.5132 ppm	5.5110 ppm	0.5187 ppm
Concentration per Run 1	0.4980 ppm	0.5044 ppm	0.4823 ppm	0.5057 ppm	0.5184 ppm	5.4969 ppm	0.5213 ppm
Concentration per Run 2	0.4980 ppm	0.5053 ppm	0.4776 ppm	0.5081 ppm	0.5101 ppm	5.5544 ppm	0.5172 ppm
Concentration per Run 3	0.4987 ppm	0.5045 ppm	0.4820 ppm	0.5046 ppm	0.5110 ppm	5.4817 ppm	0.5177 ppm
Recovery Percentage 1	99.646 %	100.949 %	96.122 %	101.229 %	102.634 %	110.220 %	103.747 %
Concentration RSD	0.1 %	0.1 %	0.5 %	0.3 %	0.9 %	0.7 %	0.4 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.5162 ppm	0.4991 ppm	10.3312 ppm	0.4796 ppm	0.4772 ppm	0.4664 ppm	0.5015 ppm
Concentration per Run 1	0.5239 ppm	0.4986 ppm	10.3213 ppm	0.4810 ppm	0.4768 ppm	0.4657 ppm	0.4991 ppm
Concentration per Run 2	0.5151 ppm	0.4987 ppm	10.3676 ppm	0.4794 ppm	0.4782 ppm	0.4679 ppm	0.5013 ppm
Concentration per Run 3	0.5095 ppm	0.5000 ppm	10.3048 ppm	0.4784 ppm	0.4767 ppm	0.4656 ppm	0.5041 ppm
Recovery Percentage 1	103.238 %	99.823 %	103.312 %	95.915 %	95.447 %	93.277 %	100.297 %
Concentration RSD	1.4 %	0.2 %	0.3 %	0.3 %	0.2 %	0.3 %	0.5 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	5.1417 ppm	0.4646 ppm	0.4854 ppm	0.4809 ppm	0.5015 ppm	0.5197 ppm	0.4939 ppm
Concentration per Run 1	5.1334 ppm	0.4649 ppm	0.4908 ppm	0.4801 ppm	0.4989 ppm	0.5197 ppm	0.4936 ppm
Concentration per Run 2	5.1521 ppm	0.4657 ppm	0.4835 ppm	0.4804 ppm	0.5022 ppm	0.5182 ppm	0.4933 ppm
Concentration per Run 3	5.1397 ppm	0.4630 ppm	0.4818 ppm	0.4821 ppm	0.5034 ppm	0.5210 ppm	0.4949 ppm
Recovery Percentage 1	97.938 %	92.913 %	97.072 %	96.175 %	100.298 %	103.932 %	98.786 %
Concentration RSD	0.2 %	0.3 %	1.0 %	0.2 %	0.5 %	0.3 %	0.2 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	95.5691 %	91.5340 %	89.4345 %	102.9629 %	87.2728 %	95.8925 %	0.5412 ppm
Concentration per Run 1	95.9344 %	91.3842 %	89.4789 %	101.8676 %	87.1351 %	95.7764 %	0.5413 ppm
Concentration per Run 2	95.1785 %	91.5195 %	89.3665 %	103.0679 %	87.2890 %	95.8962 %	0.5430 ppm
Concentration per Run 3	95.5943 %	91.6984 %	89.4580 %	103.9533 %	87.3942 %	96.0049 %	0.5394 ppm
Recovery Percentage 1							108.244 %
Concentration RSD	0.4 %	0.2 %	0.1 %	1.0 %	0.1 %	0.1 %	0.3 %

ICP DataTrace 6

7/1/2025 6:40:29 PM



LabBook: WG2085790_07012025T6.imexp

Sample: CCB
Analysis started at: 7/1/2025 3:42:46 PM
Comments: <Comment>
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	-0.0021 ppm	0.0014 ppm	0.0017 ppm	0.0001 ppm	0.0000 ppm	0.0010 ppm
Concentration per Run 1	-0.0001 ppm	-0.0032 ppm	0.0016 ppm	0.0018 ppm	0.0001 ppm	0.0000 ppm	0.0018 ppm
Concentration per Run 2	0.0000 ppm	-0.0021 ppm	0.0014 ppm	0.0015 ppm	0.0001 ppm	0.0000 ppm	-0.0010 ppm
Concentration per Run 3	0.0000 ppm	-0.0008 ppm	0.0013 ppm	0.0018 ppm	0.0000 ppm	0.0000 ppm	0.0023 ppm
Recovery Percentage 1	-0.497 %	-2.052 %	28.268 %	5.544 %	0.532 %	-0.091 %	1.017 %
Concentration RSD	162.5 %	58.8 %	11.2 %	10.7 %	13.8 %	427.7 %	175.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0000 ppm	-0.0001 ppm	0.0001 ppm	-0.0003 ppm	0.0014 ppm	0.0068 ppm	0.0010 ppm
Concentration per Run 1	0.0000 ppm	0.0001 ppm	0.0002 ppm	-0.0002 ppm	0.0013 ppm	0.0089 ppm	0.0022 ppm
Concentration per Run 2	0.0000 ppm	-0.0002 ppm	-0.0001 ppm	-0.0002 ppm	0.0017 ppm	0.0084 ppm	0.0012 ppm
Concentration per Run 3	0.0000 ppm	-0.0002 ppm	0.0002 ppm	-0.0003 ppm	0.0013 ppm	0.0031 ppm	-0.0005 ppm
Recovery Percentage 1	0.409 %	-0.519 %	1.100 %	-2.636 %	2.855 %	0.272 %	0.950 %
Concentration RSD	151.1 %	181.1 %	194.1 %	22.4 %	17.5 %	47.6 %	139.1 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0001 ppm	0.0006 ppm	-0.0011 ppm	-0.0001 ppm	0.0002 ppm	0.0009 ppm	0.0010 ppm
Concentration per Run 1	0.0003 ppm	0.0006 ppm	-0.0011 ppm	0.0000 ppm	0.0002 ppm	0.0006 ppm	-0.0001 ppm
Concentration per Run 2	0.0000 ppm	0.0007 ppm	-0.0009 ppm	-0.0003 ppm	0.0000 ppm	0.0009 ppm	0.0008 ppm
Concentration per Run 3	0.0001 ppm	0.0005 ppm	-0.0013 ppm	0.0000 ppm	0.0003 ppm	0.0011 ppm	0.0024 ppm
Recovery Percentage 1	1.412 %	1.184 %	-0.056 %	-0.413 %	1.597 %	1.783 %	10.206 %
Concentration RSD	101.4 %	17.3 %	19.0 %	180.3 %	93.5 %	28.8 %	127.1 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	0.0005 ppm	0.0003 ppm	0.0000 ppm	0.0000 ppm	-0.0003 ppm	0.0000 ppm	0.0003 ppm
Concentration per Run 1	0.0006 ppm	0.0003 ppm	0.0000 ppm	0.0000 ppm	-0.0002 ppm	0.0000 ppm	0.0004 ppm
Concentration per Run 2	0.0006 ppm	0.0004 ppm	0.0000 ppm	-0.0001 ppm	0.0000 ppm	-0.0001 ppm	0.0004 ppm
Concentration per Run 3	0.0004 ppm	0.0002 ppm	0.0000 ppm	0.0000 ppm	-0.0007 ppm	0.0001 ppm	0.0002 ppm
Recovery Percentage 1	0.108 %	0.623 %	0.021 %	-0.198 %	-1.483 %	-0.043 %	6.863 %
Concentration RSD	19.0 %	31.0 %	753.2 %	446.5 %	107.4 %	2,006.4 %	27.2 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	96.7158 %	92.1647 %	90.1946 %	97.8339 %	94.9489 %	94.1898 %	0.0000 ppm
Concentration per Run 1	97.1989 %	91.5880 %	90.5874 %	95.3535 %	95.1399 %	93.3867 %	0.0003 ppm
Concentration per Run 2	96.3195 %	92.0070 %	91.1315 %	98.1127 %	95.6769 %	94.0955 %	-0.0002 ppm
Concentration per Run 3	96.6291 %	92.8990 %	88.8650 %	100.0355 %	94.0301 %	95.0872 %	-0.0001 ppm
Recovery Percentage 1							-0.156 %
Concentration RSD	0.5 %	0.7 %	1.3 %	2.4 %	0.9 %	0.9 %	1,781.9 %

ICP DataTrace 6

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LabBook: WG2085790_07012025T6.imexp

Sample: xL2538805-01 WG2085201
 Analysis started at: 7/1/2025 4:30:49 PM
 Comments: <Comment>
 Rack: 1
 Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0064 ppm	-0.0013 ppm	0.0262 ppm	0.0272 ppm	0.0000 ppm	7.9887 ppm
Concentration per Run 1	0.0001 ppm	0.0052 ppm	-0.0019 ppm	0.0265 ppm	0.0280 ppm	0.0000 ppm	8.3685 ppm
Concentration per Run 2	0.0003 ppm	0.0076 ppm	-0.0025 ppm	0.0262 ppm	0.0270 ppm	0.0000 ppm	7.8451 ppm
Concentration per Run 3	-0.0002 ppm	0.0064 ppm	0.0006 ppm	0.0260 ppm	0.0264 ppm	0.0000 ppm	7.7527 ppm
Concentration RSD	277.8 %	18.4 %	127.7 %	1.0 %	2.9 %	131.6 %	4.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0001 ppm	-0.0002 ppm	0.0004 ppm	0.0006 ppm	0.0071 ppm	1.3602 ppm	2.6634 ppm
Concentration per Run 1	0.0001 ppm	-0.0001 ppm	0.0006 ppm	0.0007 ppm	0.0072 ppm	1.3322 ppm	2.6725 ppm
Concentration per Run 2	0.0000 ppm	-0.0002 ppm	0.0003 ppm	0.0006 ppm	0.0075 ppm	1.3767 ppm	2.6619 ppm
Concentration per Run 3	0.0001 ppm	-0.0002 ppm	0.0002 ppm	0.0005 ppm	0.0067 ppm	1.3718 ppm	2.6559 ppm
Concentration RSD	37.9 %	14.6 %	52.0 %	15.4 %	5.1 %	1.8 %	0.3 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0019 ppm	0.0001 ppm	43.3236 ppm	0.0000 ppm	-0.0008 ppm	0.0001 ppm	-0.0002 ppm
Concentration per Run 1	0.0020 ppm	0.0002 ppm	44.0728 ppm	0.0000 ppm	-0.0012 ppm	0.0001 ppm	0.0006 ppm
Concentration per Run 2	0.0019 ppm	0.0002 ppm	44.0728 ppm	0.0000 ppm	-0.0003 ppm	0.0001 ppm	-0.0003 ppm
Concentration per Run 3	0.0018 ppm	0.0001 ppm	42.5745 ppm	0.0000 ppm	-0.0008 ppm	0.0001 ppm	-0.0010 ppm
Concentration RSD	4.4 %	52.6 %	2.4 %	122.8 %	58.7 %	29.0 %	361.2 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	4.0157 ppm	0.0000 ppm	0.0342 ppm	0.0000 ppm	-0.0019 ppm	0.0000 ppm	0.0021 ppm
Concentration per Run 1	4.0442 ppm	0.0000 ppm	0.0352 ppm	-0.0001 ppm	-0.0012 ppm	0.0000 ppm	0.0023 ppm
Concentration per Run 2	4.0079 ppm	0.0001 ppm	0.0341 ppm	0.0001 ppm	-0.0023 ppm	0.0000 ppm	0.0021 ppm
Concentration per Run 3	3.9951 ppm	-0.0002 ppm	0.0333 ppm	0.0000 ppm	-0.0021 ppm	0.0001 ppm	0.0021 ppm
Concentration RSD	0.6 %	589.9 %	2.9 %	2,913.5 %	30.9 %	186.9 %	5.4 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	94.6235 %	88.3689 %	85.0307 %	93.7290 %	82.8008 %	90.6159 %	0.0008 ppm
Concentration per Run 1	94.5977 %	88.4283 %	84.9982 %	90.6864 %	82.4315 %	90.4039 %	0.0007 ppm
Concentration per Run 2	94.9585 %	88.3941 %	85.6595 %	94.6237 %	83.2118 %	90.4610 %	0.0011 ppm
Concentration per Run 3	94.3144 %	88.2843 %	84.4344 %	95.8770 %	82.7593 %	90.9829 %	0.0006 ppm
Concentration RSD	0.3 %	0.1 %	0.7 %	2.9 %	0.5 %	0.4 %	35.9 %

ICP DataTrace 6

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LabBook: WG2085790_07012025T6.imexp

Sample: L2538805-02 WG2085201
 Analysis started at: 7/1/2025 4:37:24 PM
 Comments: <Comment>
 Rack: 1
 Vial: 5

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0519 ppm	-0.0005 ppm	0.0107 ppm	0.0181 ppm	0.0000 ppm	11.9489 ppm
Concentration per Run 1	0.0000 ppm	0.0522 ppm	-0.0027 ppm	0.0108 ppm	0.0188 ppm	0.0000 ppm	12.5225 ppm
Concentration per Run 2	0.0000 ppm	0.0493 ppm	-0.0004 ppm	0.0103 ppm	0.0180 ppm	0.0000 ppm	11.8066 ppm
Concentration per Run 3	0.0002 ppm	0.0540 ppm	0.0015 ppm	0.0110 ppm	0.0177 ppm	0.0000 ppm	11.5175 ppm
Concentration RSD	163.0 %	4.6 %	385.5 %	3.0 %	3.3 %	180.5 %	4.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0002 ppm	-0.0005 ppm	0.0030 ppm	0.0009 ppm	0.0548 ppm	1.0658 ppm	5.7225 ppm
Concentration per Run 1	0.0002 ppm	-0.0005 ppm	0.0033 ppm	0.0009 ppm	0.0576 ppm	1.0615 ppm	5.7350 ppm
Concentration per Run 2	0.0002 ppm	-0.0005 ppm	0.0027 ppm	0.0010 ppm	0.0542 ppm	1.0454 ppm	5.7394 ppm
Concentration per Run 3	0.0002 ppm	-0.0004 ppm	0.0032 ppm	0.0009 ppm	0.0525 ppm	1.0906 ppm	5.6931 ppm
Concentration RSD	15.0 %	14.8 %	10.5 %	3.8 %	4.8 %	2.1 %	0.4 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0028 ppm	0.0000 ppm	9.6358 ppm	0.0004 ppm	-0.0007 ppm	0.0003 ppm	0.0015 ppm
Concentration per Run 1	0.0028 ppm	0.0000 ppm	9.9032 ppm	0.0003 ppm	-0.0008 ppm	0.0009 ppm	0.0019 ppm
Concentration per Run 2	0.0028 ppm	0.0000 ppm	9.4279 ppm	0.0005 ppm	-0.0012 ppm	-0.0007 ppm	0.0014 ppm
Concentration per Run 3	0.0026 ppm	0.0000 ppm	9.5762 ppm	0.0003 ppm	-0.0001 ppm	0.0006 ppm	0.0013 ppm
Concentration RSD	4.7 %	606.7 %	2.5 %	19.1 %	80.5 %	291.2 %	22.5 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	9.5064 ppm	-0.0001 ppm	0.0558 ppm	0.0014 ppm	-0.0002 ppm	0.0003 ppm	0.0050 ppm
Concentration per Run 1	9.5447 ppm	-0.0008 ppm	0.0575 ppm	0.0015 ppm	0.0003 ppm	0.0004 ppm	0.0051 ppm
Concentration per Run 2	9.5271 ppm	-0.0005 ppm	0.0553 ppm	0.0013 ppm	-0.0009 ppm	0.0002 ppm	0.0049 ppm
Concentration per Run 3	9.4474 ppm	-0.0001 ppm	0.0544 ppm	0.0014 ppm	-0.0001 ppm	0.0004 ppm	0.0051 ppm
Concentration RSD	0.5 %	434.9 %	2.9 %	7.5 %	250.5 %	43.7 %	2.0 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	94.8890 %	88.9399 %	85.5405 %	92.7494 %	86.6430 %	90.2978 %	0.0048 ppm
Concentration per Run 1	94.4934 %	89.1565 %	85.2379 %	89.4600 %	86.4322 %	90.2477 %	0.0050 ppm
Concentration per Run 2	95.1164 %	88.9956 %	85.1610 %	93.3075 %	86.1434 %	90.3267 %	0.0048 ppm
Concentration per Run 3	95.0571 %	88.6674 %	86.2225 %	95.4807 %	87.3535 %	90.3190 %	0.0046 ppm
Concentration RSD	0.4 %	0.3 %	0.7 %	3.3 %	0.7 %	0.0 %	3.8 %

ICP DataTrace 6

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LabBook: WG2085790_07012025T6.imexp

Sample: L2538805-03 WG2085201

Analysis started at: 7/1/2025 4:43:58 PM

Comments: <Comment>

Rack: 1

Vial: 6

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0264 ppm	-0.0010 ppm	0.0286 ppm	0.0211 ppm	0.0000 ppm	15.1611 ppm
Concentration per Run 1	0.0000 ppm	0.0264 ppm	-0.0016 ppm	0.0289 ppm	0.0219 ppm	0.0000 ppm	15.9225 ppm
Concentration per Run 2	0.0001 ppm	0.0260 ppm	0.0003 ppm	0.0282 ppm	0.0211 ppm	0.0000 ppm	14.7998 ppm
Concentration per Run 3	-0.0002 ppm	0.0266 ppm	-0.0018 ppm	0.0287 ppm	0.0204 ppm	0.0000 ppm	14.7610 ppm
Concentration RSD	683.0 %	1.2 %	115.8 %	1.1 %	3.6 %	2,602.6 %	4.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0002 ppm	-0.0006 ppm	0.0015 ppm	0.0005 ppm	0.1810 ppm	1.8331 ppm	6.8389 ppm
Concentration per Run 1	0.0001 ppm	-0.0005 ppm	0.0016 ppm	0.0005 ppm	0.1896 ppm	1.8106 ppm	6.8629 ppm
Concentration per Run 2	0.0002 ppm	-0.0007 ppm	0.0017 ppm	0.0005 ppm	0.1770 ppm	1.8946 ppm	6.8205 ppm
Concentration per Run 3	0.0001 ppm	-0.0007 ppm	0.0014 ppm	0.0006 ppm	0.1765 ppm	1.7942 ppm	6.8333 ppm
Concentration RSD	37.3 %	15.5 %	10.3 %	7.2 %	4.1 %	2.9 %	0.3 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.1019 ppm	-0.0001 ppm	28.7311 ppm	0.0003 ppm	-0.0015 ppm	0.0003 ppm	0.0003 ppm
Concentration per Run 1	0.1068 ppm	-0.0001 ppm	29.2800 ppm	0.0003 ppm	-0.0012 ppm	0.0001 ppm	0.0004 ppm
Concentration per Run 2	0.0999 ppm	0.0000 ppm	29.5030 ppm	0.0002 ppm	-0.0016 ppm	0.0004 ppm	-0.0006 ppm
Concentration per Run 3	0.0991 ppm	-0.0001 ppm	27.4102 ppm	0.0004 ppm	-0.0016 ppm	0.0002 ppm	0.0012 ppm
Concentration RSD	4.2 %	52.4 %	4.0 %	27.7 %	13.3 %	55.3 %	263.8 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	8.3743 ppm	0.0003 ppm	0.0872 ppm	0.0013 ppm	-0.0017 ppm	0.0003 ppm	0.0020 ppm
Concentration per Run 1	8.3714 ppm	0.0006 ppm	0.0904 ppm	0.0013 ppm	-0.0012 ppm	0.0004 ppm	0.0021 ppm
Concentration per Run 2	8.4106 ppm	0.0001 ppm	0.0867 ppm	0.0012 ppm	-0.0012 ppm	0.0004 ppm	0.0020 ppm
Concentration per Run 3	8.3410 ppm	0.0002 ppm	0.0844 ppm	0.0013 ppm	-0.0027 ppm	0.0002 ppm	0.0019 ppm
Concentration RSD	0.4 %	86.6 %	3.5 %	4.9 %	50.1 %	37.2 %	3.5 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	93.7162 %	87.1160 %	83.9982 %	93.2179 %	82.2749 %	89.5197 %	0.0044 ppm
Concentration per Run 1	93.4095 %	87.2106 %	84.6049 %	89.7657 %	82.6224 %	89.3859 %	0.0046 ppm
Concentration per Run 2	94.1426 %	87.3228 %	83.4256 %	94.3350 %	81.7326 %	89.7145 %	0.0044 ppm
Concentration per Run 3	93.5964 %	86.8145 %	83.9641 %	95.5530 %	82.4695 %	89.4587 %	0.0042 ppm
Concentration RSD	0.4 %	0.3 %	0.7 %	3.3 %	0.6 %	0.2 %	3.9 %

ICP DataTrace 6

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LabBook: WG2085790_07012025T6.imexp

Sample: L2538805-04 WG2085201

Analysis started at: 7/1/2025 4:50:33 PM

Comments: <Comment>

Rack: 1

Vial: 7

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0733 ppm	-0.0004 ppm	0.0090 ppm	0.0512 ppm	0.0000 ppm	9.6441 ppm
Concentration per Run 1	0.0000 ppm	0.0767 ppm	-0.0017 ppm	0.0092 ppm	0.0526 ppm	0.0000 ppm	10.0576 ppm
Concentration per Run 2	0.0003 ppm	0.0728 ppm	0.0007 ppm	0.0089 ppm	0.0511 ppm	0.0000 ppm	9.6157 ppm
Concentration per Run 3	0.0000 ppm	0.0705 ppm	-0.0003 ppm	0.0089 ppm	0.0498 ppm	0.0000 ppm	9.2590 ppm
Concentration RSD	192.9 %	4.3 %	277.2 %	1.6 %	2.8 %	36.0 %	4.1 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0000 ppm	-0.0002 ppm	0.0011 ppm	0.0009 ppm	0.1174 ppm	1.2889 ppm	4.3698 ppm
Concentration per Run 1	0.0001 ppm	-0.0003 ppm	0.0014 ppm	0.0010 ppm	0.1216 ppm	1.2707 ppm	4.3818 ppm
Concentration per Run 2	0.0000 ppm	0.0000 ppm	0.0010 ppm	0.0010 ppm	0.1169 ppm	1.2783 ppm	4.3759 ppm
Concentration per Run 3	0.0000 ppm	-0.0002 ppm	0.0008 ppm	0.0006 ppm	0.1136 ppm	1.3179 ppm	4.3516 ppm
Concentration RSD	56.4 %	89.2 %	27.1 %	25.5 %	3.5 %	2.0 %	0.4 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0111 ppm	0.0000 ppm	5.6886 ppm	0.0003 ppm	-0.0005 ppm	-0.0002 ppm	-0.0005 ppm
Concentration per Run 1	0.0115 ppm	0.0000 ppm	5.7532 ppm	0.0002 ppm	-0.0003 ppm	-0.0003 ppm	-0.0006 ppm
Concentration per Run 2	0.0109 ppm	-0.0001 ppm	5.6397 ppm	0.0003 ppm	-0.0004 ppm	0.0000 ppm	0.0005 ppm
Concentration per Run 3	0.0107 ppm	0.0001 ppm	5.6730 ppm	0.0003 ppm	-0.0006 ppm	-0.0004 ppm	-0.0015 ppm
Concentration RSD	3.9 %	408.9 %	1.0 %	15.5 %	31.0 %	72.0 %	195.2 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	3.9169 ppm	0.0007 ppm	0.0411 ppm	0.0038 ppm	-0.0010 ppm	0.0003 ppm	0.0037 ppm
Concentration per Run 1	3.9322 ppm	0.0010 ppm	0.0423 ppm	0.0038 ppm	-0.0012 ppm	0.0002 ppm	0.0037 ppm
Concentration per Run 2	3.9223 ppm	0.0005 ppm	0.0411 ppm	0.0037 ppm	-0.0011 ppm	0.0003 ppm	0.0038 ppm
Concentration per Run 3	3.8961 ppm	0.0007 ppm	0.0400 ppm	0.0038 ppm	-0.0006 ppm	0.0005 ppm	0.0036 ppm
Concentration RSD	0.5 %	28.3 %	2.8 %	1.6 %	33.9 %	45.3 %	2.1 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	94.9263 %	89.2673 %	85.7343 %	94.5243 %	86.9897 %	91.3788 %	0.0010 ppm
Concentration per Run 1	95.3119 %	89.0349 %	85.7824 %	91.7921 %	86.5296 %	90.9685 %	0.0014 ppm
Concentration per Run 2	94.5842 %	88.8855 %	85.7583 %	94.6472 %	87.0327 %	90.8902 %	0.0005 ppm
Concentration per Run 3	94.8827 %	89.8815 %	85.6622 %	97.1337 %	87.4070 %	92.2775 %	0.0010 ppm
Concentration RSD	0.4 %	0.6 %	0.1 %	2.8 %	0.5 %	0.9 %	44.6 %

ICP DataTrace 6

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LabBook: WG2085790_07012025T6.imexp

Sample: L2538805-05 WG2085201

Analysis started at: 7/1/2025 4:57:08 PM

Comments: <Comment>

Rack: 1

Vial: 8

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0433 ppm	-0.0003 ppm	0.0085 ppm	0.0082 ppm	0.0000 ppm	20.0107 ppm
Concentration per Run 1	0.0002 ppm	0.0421 ppm	0.0009 ppm	0.0085 ppm	0.0085 ppm	0.0000 ppm	20.9662 ppm
Concentration per Run 2	0.0002 ppm	0.0413 ppm	-0.0005 ppm	0.0082 ppm	0.0081 ppm	0.0000 ppm	19.9627 ppm
Concentration per Run 3	-0.0001 ppm	0.0464 ppm	-0.0012 ppm	0.0090 ppm	0.0081 ppm	0.0000 ppm	19.1032 ppm
Concentration RSD	200.9 %	6.4 %	415.1 %	4.9 %	2.6 %	152.8 %	4.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0001 ppm	-0.0008 ppm	0.0006 ppm	0.0002 ppm	0.1127 ppm	1.0695 ppm	2.7046 ppm
Concentration per Run 1	0.0002 ppm	-0.0008 ppm	0.0008 ppm	0.0003 ppm	0.1177 ppm	1.0458 ppm	2.7163 ppm
Concentration per Run 2	0.0001 ppm	-0.0007 ppm	0.0005 ppm	0.0001 ppm	0.1115 ppm	1.0320 ppm	2.7050 ppm
Concentration per Run 3	0.0001 ppm	-0.0010 ppm	0.0005 ppm	0.0001 ppm	0.1090 ppm	1.1307 ppm	2.6927 ppm
Concentration RSD	13.2 %	17.2 %	26.6 %	45.1 %	4.0 %	5.0 %	0.4 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0275 ppm	0.0003 ppm	7.5915 ppm	-0.0005 ppm	-0.0016 ppm	0.0005 ppm	0.0006 ppm
Concentration per Run 1	0.0290 ppm	0.0005 ppm	7.6164 ppm	-0.0005 ppm	-0.0012 ppm	0.0009 ppm	0.0018 ppm
Concentration per Run 2	0.0272 ppm	0.0003 ppm	7.3415 ppm	-0.0003 ppm	-0.0020 ppm	0.0007 ppm	-0.0007 ppm
Concentration per Run 3	0.0264 ppm	0.0003 ppm	7.8166 ppm	-0.0006 ppm	-0.0017 ppm	-0.0001 ppm	0.0007 ppm
Concentration RSD	4.9 %	32.5 %	3.1 %	33.9 %	25.0 %	100.8 %	199.7 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	10.6805 [SIC 200]	0.0002 ppm	0.1996 ppm	0.0015 ppm	-0.0011 ppm	0.0013 ppm	0.0009 ppm
Concentration per Run 1	10.6989 ppm	0.0003 ppm	0.2050 ppm	0.0015 ppm	-0.0020 ppm	0.0013 ppm	0.0009 ppm
Concentration per Run 2	10.7109 ppm	0.0004 ppm	0.1980 ppm	0.0013 ppm	-0.0011 ppm	0.0013 ppm	0.0009 ppm
Concentration per Run 3	10.6318 ppm	-0.0003 ppm	0.1957 ppm	0.0016 ppm	-0.0002 ppm	0.0012 ppm	0.0010 ppm
Concentration RSD	0.4 %	243.9 %	2.4 %	10.1 %	81.8 %	4.8 %	5.8 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	94.3403 %	88.4341 %	84.5982 %	94.2635 %	84.8373 %	90.9009 %	0.0052 ppm
Concentration per Run 1	94.6598 %	88.0802 %	85.6051 %	91.6834 %	85.1513 %	90.2316 %	0.0052 ppm
Concentration per Run 2	94.4694 %	89.1412 %	84.4772 %	94.7983 %	84.3013 %	91.6317 %	0.0049 ppm
Concentration per Run 3	93.8917 %	88.0810 %	83.7123 %	96.3089 %	85.0594 %	90.8393 %	0.0056 ppm
Concentration RSD	0.4 %	0.7 %	1.1 %	2.5 %	0.5 %	0.8 %	6.5 %

ICP DataTrace 6

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LabBook: WG2085790_07012025T6.imexp

Sample: L2538805-06 WG2085201

Analysis started at: 7/1/2025 5:03:43 PM

Comments: <Comment>

Rack: 1

Vial: 9

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.0029 ppm	-0.0020 ppm	0.0002 ppm	0.0008 ppm	0.0000 ppm	0.0162 ppm
Concentration per Run 1	-0.0002 ppm	0.0026 ppm	0.0000 ppm	0.0004 ppm	0.0008 ppm	0.0000 ppm	0.0145 ppm
Concentration per Run 2	-0.0001 ppm	0.0040 ppm	-0.0037 ppm	0.0000 ppm	0.0008 ppm	0.0000 ppm	0.0174 ppm
Concentration per Run 3	0.0000 ppm	0.0022 ppm	-0.0022 ppm	0.0001 ppm	0.0008 ppm	0.0000 ppm	0.0166 ppm
Concentration RSD	114.5 %	32.5 %	94.7 %	127.2 %	4.7 %	110.7 %	9.5 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0000 ppm	-0.0002 ppm	0.0000 ppm	-0.0001 ppm	0.0044 ppm	0.0037 ppm	0.0035 ppm
Concentration per Run 1	0.0000 ppm	-0.0002 ppm	-0.0001 ppm	0.0000 ppm	0.0041 ppm	0.0061 ppm	0.0042 ppm
Concentration per Run 2	0.0000 ppm	-0.0002 ppm	0.0000 ppm	-0.0001 ppm	0.0054 ppm	0.0041 ppm	0.0043 ppm
Concentration per Run 3	0.0000 ppm	-0.0003 ppm	0.0001 ppm	0.0000 ppm	0.0038 ppm	0.0008 ppm	0.0019 ppm
Concentration RSD	9.5 %	33.0 %	2,523.9 %	100.8 %	19.8 %	73.4 %	39.1 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0003 ppm	0.0000 ppm	0.0452 ppm	-0.0004 ppm	0.0001 ppm	0.0001 ppm	0.0010 ppm
Concentration per Run 1	0.0002 ppm	0.0000 ppm	0.0506 ppm	-0.0007 ppm	0.0003 ppm	-0.0004 ppm	0.0032 ppm
Concentration per Run 2	0.0002 ppm	0.0000 ppm	0.0424 ppm	-0.0003 ppm	0.0001 ppm	-0.0005 ppm	0.0004 ppm
Concentration per Run 3	0.0004 ppm	-0.0001 ppm	0.0426 ppm	-0.0003 ppm	-0.0001 ppm	0.0011 ppm	-0.0008 ppm
Concentration RSD	28.9 %	49.1 %	10.3 %	57.4 %	190.6 %	818.8 %	214.7 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	0.0185 ppm	0.0000 ppm	0.0020 ppm	0.0001 ppm	-0.0011 ppm	0.0000 ppm	0.0006 ppm
Concentration per Run 1	0.0184 ppm	0.0001 ppm	0.0021 ppm	0.0001 ppm	-0.0005 ppm	-0.0001 ppm	0.0005 ppm
Concentration per Run 2	0.0188 ppm	-0.0001 ppm	0.0019 ppm	0.0000 ppm	-0.0013 ppm	0.0001 ppm	0.0007 ppm
Concentration per Run 3	0.0184 ppm	0.0000 ppm	0.0019 ppm	0.0001 ppm	-0.0014 ppm	0.0000 ppm	0.0007 ppm
Concentration RSD	1.1 %	7,501.0 %	4.3 %	62.0 %	45.5 %	1,736.7 %	14.2 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	95.6416 %	90.1550 %	87.5387 %	95.6733 %	93.1858 %	92.5383 %	-0.0002 ppm
Concentration per Run 1	95.6306 %	89.8646 %	87.2839 %	92.5493 %	92.7314 %	91.9332 %	-0.0003 ppm
Concentration per Run 2	96.1349 %	90.1001 %	87.6400 %	96.5544 %	93.3179 %	92.5124 %	-0.0003 ppm
Concentration per Run 3	95.1592 %	90.5003 %	87.6922 %	97.9162 %	93.5081 %	93.1694 %	-0.0001 ppm
Concentration RSD	0.5 %	0.4 %	0.3 %	2.9 %	0.4 %	0.7 %	49.2 %

ICP DataTrace 6

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LabBook: WG2085790_07012025T6.imexp

Sample: L2538805-01 WG2085201

Analysis started at: 7/1/2025 5:10:25 PM

Comments: <Comment>

Rack: 1

Vial: 10

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0040 ppm	-0.0005 ppm	0.0263 ppm	0.0268 ppm	0.0000 ppm	7.6678 ppm
Concentration per Run 1	-0.0002 ppm	0.0049 ppm	0.0006 ppm	0.0263 ppm	0.0278 ppm	0.0000 ppm	7.9105 ppm
Concentration per Run 2	0.0000 ppm	0.0036 ppm	-0.0013 ppm	0.0262 ppm	0.0266 ppm	0.0000 ppm	7.5607 ppm
Concentration per Run 3	0.0003 ppm	0.0034 ppm	-0.0010 ppm	0.0264 ppm	0.0260 ppm	0.0000 ppm	7.5323 ppm
Concentration RSD	1,380.5 %	20.1 %	188.2 %	0.3 %	3.3 %	61.1 %	2.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0000 ppm	-0.0001 ppm	0.0005 ppm	0.0005 ppm	0.0068 ppm	1.3561 ppm	2.6662 ppm
Concentration per Run 1	0.0001 ppm	-0.0002 ppm	0.0004 ppm	0.0005 ppm	0.0068 ppm	1.3869 ppm	2.6640 ppm
Concentration per Run 2	0.0000 ppm	0.0000 ppm	0.0006 ppm	0.0006 ppm	0.0068 ppm	1.3727 ppm	2.6718 ppm
Concentration per Run 3	0.0000 ppm	-0.0002 ppm	0.0005 ppm	0.0005 ppm	0.0068 ppm	1.3087 ppm	2.6629 ppm
Concentration RSD	23.5 %	94.2 %	17.9 %	16.4 %	0.4 %	3.1 %	0.2 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0019 ppm	0.0000 ppm	42.8248 ppm	0.0000 ppm	-0.0008 ppm	-0.0001 ppm	0.0007 ppm
Concentration per Run 1	0.0018 ppm	0.0000 ppm	44.8372 ppm	-0.0001 ppm	-0.0002 ppm	-0.0003 ppm	0.0020 ppm
Concentration per Run 2	0.0018 ppm	-0.0002 ppm	42.8538 ppm	0.0001 ppm	-0.0012 ppm	0.0001 ppm	-0.0014 ppm
Concentration per Run 3	0.0020 ppm	0.0000 ppm	40.7833 ppm	0.0000 ppm	-0.0012 ppm	0.0000 ppm	0.0015 ppm
Concentration RSD	4.6 %	249.9 %	4.7 %	4,237.5 %	70.5 %	388.6 %	257.5 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	3.9663 ppm	0.0001 ppm	0.0329 ppm	-0.0001 ppm	-0.0008 ppm	0.0002 ppm	0.0016 ppm
Concentration per Run 1	3.9634 ppm	0.0000 ppm	0.0341 ppm	-0.0001 ppm	-0.0008 ppm	0.0001 ppm	0.0015 ppm
Concentration per Run 2	3.9701 ppm	0.0007 ppm	0.0328 ppm	-0.0003 ppm	-0.0016 ppm	0.0003 ppm	0.0018 ppm
Concentration per Run 3	3.9654 ppm	-0.0003 ppm	0.0318 ppm	0.0000 ppm	-0.0001 ppm	0.0001 ppm	0.0016 ppm
Concentration RSD	0.1 %	380.3 %	3.4 %	131.5 %	89.9 %	69.6 %	8.1 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	94.1696 %	86.9044 %	84.1910 %	95.3575 %	82.1232 %	88.9599 %	0.0005 ppm
Concentration per Run 1	94.5919 %	87.1196 %	84.2832 %	93.0206 %	81.9920 %	89.6067 %	0.0003 ppm
Concentration per Run 2	94.6273 %	86.9402 %	84.6855 %	96.0909 %	82.2552 %	88.9834 %	0.0008 ppm
Concentration per Run 3	93.2897 %	86.6535 %	83.6043 %	96.9611 %	82.1223 %	88.2896 %	0.0005 ppm
Concentration RSD	0.8 %	0.3 %	0.6 %	2.2 %	0.2 %	0.7 %	45.2 %

ICP DataTrace 6

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LabBook: WG2085790_07012025T6.imexp

Sample: LDR 200 Na
 Analysis started at: 7/1/2025 5:25:49 PM
 Comments: <Comment>
 Rack: 1
 Vial: 11

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	-0.0001 ppm	0.0002 ppm	-0.0003 ppm	-0.0004 ppm	0.0001 ppm	0.0000 ppm	0.0068 ppm
Concentration per Run 1	0.0001 ppm	-0.0009 ppm	0.0000 ppm	-0.0004 ppm	0.0000 ppm	0.0000 ppm	0.0058 ppm
Concentration per Run 2	-0.0003 ppm	0.0011 ppm	-0.0005 ppm	-0.0005 ppm	0.0001 ppm	0.0000 ppm	0.0054 ppm
Concentration per Run 3	-0.0002 ppm	0.0003 ppm	-0.0005 ppm	-0.0002 ppm	0.0000 ppm	0.0000 ppm	0.0092 ppm
Concentration RSD	120.4 %	526.5 %	85.6 %	41.5 %	119.2 %	34.9 %	31.0 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0000 ppm	-0.0001 ppm	0.0001 ppm	0.0004 ppm	0.0018 ppm	0.0266 ppm	0.0016 ppm
Concentration per Run 1	0.0001 ppm	0.0000 ppm	0.0003 ppm	0.0004 ppm	0.0016 ppm	0.0202 ppm	0.0012 ppm
Concentration per Run 2	0.0000 ppm	-0.0001 ppm	0.0000 ppm	0.0003 ppm	0.0020 ppm	0.0315 ppm	0.0033 ppm
Concentration per Run 3	0.0000 ppm	-0.0001 ppm	0.0001 ppm	0.0004 ppm	0.0018 ppm	0.0280 ppm	0.0003 ppm
Concentration RSD	159.8 %	116.4 %	107.5 %	13.2 %	13.3 %	21.8 %	97.4 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0002 ppm	0.0000 ppm	211.2545 [SIC 500]	-0.0003 ppm	-0.0005 ppm	0.0000 ppm	0.0011 ppm
Concentration per Run 1	0.0002 ppm	-0.0002 ppm	210.0667 ppm	-0.0003 ppm	-0.0005 ppm	0.0003 ppm	0.0016 ppm
Concentration per Run 2	0.0003 ppm	-0.0001 ppm	216.8507 ppm	-0.0004 ppm	-0.0007 ppm	0.0001 ppm	0.0016 ppm
Concentration per Run 3	0.0002 ppm	0.0001 ppm	206.8462 ppm	-0.0003 ppm	-0.0003 ppm	-0.0004 ppm	0.0002 ppm
Concentration RSD	19.7 %	397.8 %	2.4 %	17.6 %	40.0 %	16,671.2 %	71.8 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	0.0029 ppm	0.0007 ppm	0.0000 ppm	-0.0002 ppm	-0.0007 ppm	-0.0001 ppm	0.0042 ppm
Concentration per Run 1	0.0031 ppm	0.0003 ppm	0.0000 ppm	-0.0004 ppm	-0.0007 ppm	-0.0002 ppm	0.0041 ppm
Concentration per Run 2	0.0027 ppm	0.0006 ppm	0.0000 ppm	0.0000 ppm	-0.0003 ppm	-0.0002 ppm	0.0042 ppm
Concentration per Run 3	0.0028 ppm	0.0012 ppm	0.0000 ppm	-0.0002 ppm	-0.0010 ppm	0.0000 ppm	0.0043 ppm
Concentration RSD	6.2 %	63.0 %	313.6 %	119.5 %	50.1 %	64.9 %	1.6 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	92.4313 %	84.5279 %	82.6186 %	95.5305 %	72.1603 %	87.5882 %	-0.0001 ppm
Concentration per Run 1	93.5271 %	84.5215 %	82.3456 %	94.4708 %	71.5203 %	87.4696 %	-0.0005 ppm
Concentration per Run 2	92.1897 %	84.4272 %	82.7720 %	95.6906 %	72.4214 %	87.4698 %	-0.0002 ppm
Concentration per Run 3	91.5771 %	84.6352 %	82.7382 %	96.4301 %	72.5391 %	87.8253 %	0.0003 ppm
Concentration RSD	1.1 %	0.1 %	0.3 %	1.0 %	0.8 %	0.2 %	312.1 %

ICP DataTrace 6

7/1/2025 6:40:29 PM



LabBook: WG2085790_07012025T6.imexp

Sample: CCV
 Analysis started at: 7/1/2025 5:32:40 PM
 Comments: <Comment>
 Rack: 0
 Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.5075 ppm	0.5206 ppm	0.5118 ppm	0.5062 ppm	0.5273 ppm	0.5049 ppm	0.4760 ppm
Concentration per Run 1	0.5084 ppm	0.5205 ppm	0.5117 ppm	0.5069 ppm	0.5267 ppm	0.5043 ppm	0.4755 ppm
Concentration per Run 2	0.5063 ppm	0.5226 ppm	0.5143 ppm	0.5027 ppm	0.5298 ppm	0.5047 ppm	0.4718 ppm
Concentration per Run 3	0.5080 ppm	0.5188 ppm	0.5096 ppm	0.5090 ppm	0.5253 ppm	0.5056 ppm	0.4807 ppm
Recovery Percentage 1	101.508 %	104.123 %	102.370 %	101.234 %	105.452 %	100.972 %	95.199 %
Concentration RSD	0.2 %	0.4 %	0.5 %	0.6 %	0.4 %	0.1 %	0.9 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.5011 ppm	0.5088 ppm	0.4788 ppm	0.5074 ppm	0.5015 ppm	5.4362 ppm	0.5186 ppm
Concentration per Run 1	0.5023 ppm	0.5096 ppm	0.4791 ppm	0.5086 ppm	0.5001 ppm	5.3506 ppm	0.5188 ppm
Concentration per Run 2	0.4956 ppm	0.5055 ppm	0.4792 ppm	0.5041 ppm	0.5028 ppm	5.5357 ppm	0.5171 ppm
Concentration per Run 3	0.5053 ppm	0.5112 ppm	0.4781 ppm	0.5096 ppm	0.5017 ppm	5.4224 ppm	0.5198 ppm
Recovery Percentage 1	100.217 %	101.755 %	95.755 %	101.487 %	100.304 %	108.724 %	103.716 %
Concentration RSD	1.0 %	0.6 %	0.1 %	0.6 %	0.3 %	1.7 %	0.3 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.5080 ppm	0.5014 ppm	10.2993 ppm	0.4813 ppm	0.4780 ppm	0.4673 ppm	0.5034 ppm
Concentration per Run 1	0.5080 ppm	0.5016 ppm	10.2086 ppm	0.4805 ppm	0.4791 ppm	0.4675 ppm	0.5016 ppm
Concentration per Run 2	0.5066 ppm	0.4982 ppm	10.4797 ppm	0.4812 ppm	0.4787 ppm	0.4686 ppm	0.5055 ppm
Concentration per Run 3	0.5094 ppm	0.5043 ppm	10.2095 ppm	0.4823 ppm	0.4764 ppm	0.4658 ppm	0.5032 ppm
Recovery Percentage 1	101.600 %	100.278 %	102.993 %	96.265 %	95.609 %	93.466 %	100.686 %
Concentration RSD	0.3 %	0.6 %	1.5 %	0.2 %	0.3 %	0.3 %	0.4 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	5.1798 ppm	0.4651 ppm	0.4816 ppm	0.4798 ppm	0.5045 ppm	0.5200 ppm	0.4952 ppm
Concentration per Run 1	5.1806 ppm	0.4657 ppm	0.4810 ppm	0.4803 ppm	0.5040 ppm	0.5214 ppm	0.4947 ppm
Concentration per Run 2	5.1827 ppm	0.4653 ppm	0.4837 ppm	0.4795 ppm	0.5065 ppm	0.5189 ppm	0.4935 ppm
Concentration per Run 3	5.1761 ppm	0.4643 ppm	0.4801 ppm	0.4796 ppm	0.5030 ppm	0.5197 ppm	0.4974 ppm
Recovery Percentage 1	98.663 %	93.016 %	96.321 %	95.956 %	100.897 %	103.996 %	99.040 %
Concentration RSD	0.1 %	0.1 %	0.4 %	0.1 %	0.4 %	0.2 %	0.4 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	95.5311 %	90.2685 %	88.5574 %	103.3872 %	86.3316 %	94.7229 %	0.5422 ppm
Concentration per Run 1	96.3360 %	90.0308 %	88.7815 %	103.6230 %	86.2941 %	94.6047 %	0.5381 ppm
Concentration per Run 2	95.4838 %	90.7343 %	88.1168 %	103.4235 %	86.1598 %	95.1301 %	0.5519 ppm
Concentration per Run 3	94.7734 %	90.0404 %	88.7738 %	103.1151 %	86.5409 %	94.4339 %	0.5367 ppm
Recovery Percentage 1							108.445 %
Concentration RSD	0.8 %	0.4 %	0.4 %	0.2 %	0.2 %	0.4 %	1.5 %

ICP DataTrace 6

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LabBook: WG2085790_07012025T6.imexp

Sample: CCB
Analysis started at: 7/1/2025 5:38:59 PM
Comments: <Comment>
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0002 ppm	-0.0010 ppm	0.0008 ppm	0.0000 ppm	0.0000 ppm	0.0000 ppm
Concentration per Run 1	0.0002 ppm	-0.0011 ppm	-0.0004 ppm	0.0008 ppm	0.0000 ppm	0.0000 ppm	0.0027 ppm
Concentration per Run 2	-0.0001 ppm	0.0011 ppm	-0.0004 ppm	0.0008 ppm	0.0000 ppm	0.0000 ppm	-0.0023 ppm
Concentration per Run 3	0.0001 ppm	0.0006 ppm	-0.0020 ppm	0.0008 ppm	0.0000 ppm	0.0000 ppm	-0.0005 ppm
Recovery Percentage 1	1.083 %	0.199 %	-19.023 %	2.706 %	-0.026 %	-0.423 %	-0.028 %
Concentration RSD	159.4 %	575.7 %	99.9 %	4.1 %	1,261.6 %	52.6 %	9,026.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0000 ppm	-0.0002 ppm	0.0000 ppm	-0.0003 ppm	0.0008 ppm	0.0087 ppm	0.0009 ppm
Concentration per Run 1	0.0001 ppm	-0.0002 ppm	0.0001 ppm	-0.0002 ppm	0.0014 ppm	0.0057 ppm	0.0005 ppm
Concentration per Run 2	0.0000 ppm	-0.0001 ppm	-0.0002 ppm	-0.0003 ppm	0.0009 ppm	0.0106 ppm	0.0016 ppm
Concentration per Run 3	0.0000 ppm	-0.0003 ppm	0.0001 ppm	-0.0002 ppm	0.0003 ppm	0.0097 ppm	0.0007 ppm
Recovery Percentage 1	0.680 %	-0.935 %	-0.076 %	-2.525 %	1.692 %	0.347 %	0.937 %
Concentration RSD	141.3 %	38.2 %	2,454.2 %	24.1 %	64.9 %	29.8 %	64.5 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0001 ppm	0.0005 ppm	0.0035 ppm	-0.0009 ppm	-0.0005 ppm	0.0001 ppm	0.0011 ppm
Concentration per Run 1	0.0001 ppm	0.0005 ppm	0.0040 ppm	-0.0008 ppm	-0.0005 ppm	0.0001 ppm	0.0001 ppm
Concentration per Run 2	0.0001 ppm	0.0005 ppm	0.0035 ppm	-0.0008 ppm	-0.0005 ppm	0.0002 ppm	0.0010 ppm
Concentration per Run 3	0.0001 ppm	0.0005 ppm	0.0031 ppm	-0.0010 ppm	-0.0007 ppm	-0.0001 ppm	0.0021 ppm
Recovery Percentage 1	0.881 %	1.038 %	0.177 %	-3.406 %	-5.475 %	0.168 %	10.602 %
Concentration RSD	12.2 %	5.3 %	13.2 %	11.5 %	28.0 %	212.1 %	91.0 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	0.0037 ppm	0.0008 ppm	0.0000 ppm	0.0001 ppm	-0.0024 ppm	-0.0001 ppm	-0.0001 ppm
Concentration per Run 1	0.0035 ppm	0.0010 ppm	0.0000 ppm	0.0002 ppm	-0.0020 ppm	-0.0002 ppm	0.0001 ppm
Concentration per Run 2	0.0039 ppm	0.0007 ppm	0.0000 ppm	0.0000 ppm	-0.0027 ppm	-0.0001 ppm	-0.0001 ppm
Concentration per Run 3	0.0038 ppm	0.0006 ppm	0.0000 ppm	0.0000 ppm	-0.0023 ppm	0.0000 ppm	-0.0003 ppm
Recovery Percentage 1	0.747 %	1.549 %	-0.077 %	0.601 %	-11.787 %	-1.122 %	-2.438 %
Concentration RSD	6.6 %	24.0 %	179.7 %	158.2 %	16.1 %	83.2 %	161.4 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	96.3283 %	91.0613 %	90.2150 %	102.0783 %	90.1996 %	94.6567 %	0.0000 ppm
Concentration per Run 1	96.9391 %	90.9723 %	90.3719 %	101.3933 %	89.9451 %	94.5711 %	-0.0002 ppm
Concentration per Run 2	96.4134 %	91.0733 %	90.7322 %	102.3854 %	90.4232 %	94.6273 %	0.0001 ppm
Concentration per Run 3	95.6324 %	91.1383 %	89.5409 %	102.4563 %	90.2304 %	94.7715 %	0.0000 ppm
Recovery Percentage 1							-0.350 %
Concentration RSD	0.7 %	0.1 %	0.7 %	0.6 %	0.3 %	0.1 %	396.6 %

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LabBook: WG2085790_07012025T6.imexp

Sample: WG2085839-1 WG2085839

Analysis started at: 7/1/2025 5:46:51 PM

Comments: <Comment>

Rack: 1

Vial: 12

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0001 ppm	0.0023 ppm	-0.0008 ppm	0.0045 ppm	0.0001 ppm	0.0000 ppm	0.0536 ppm
Concentration per Run 1	0.0001 ppm	0.0025 ppm	-0.0019 ppm	0.0045 ppm	0.0001 ppm	0.0000 ppm	0.0567 ppm
Concentration per Run 2	0.0002 ppm	0.0005 ppm	0.0009 ppm	0.0047 ppm	0.0001 ppm	0.0000 ppm	0.0499 ppm
Concentration per Run 3	0.0001 ppm	0.0039 ppm	-0.0015 ppm	0.0044 ppm	0.0001 ppm	0.0000 ppm	0.0541 ppm
Recovery Percentage 1	2.006 %	2.284 %	-15.949 %	15.067 %	1.156 %	-0.344 %	53.564 %
Concentration RSD	44.5 %	74.8 %	190.6 %	3.0 %	25.5 %	103.5 %	6.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0001 ppm	-0.0005 ppm	0.0002 ppm	0.0004 ppm	0.0056 ppm	0.0300 ppm	0.0052 ppm
Concentration per Run 1	0.0001 ppm	-0.0004 ppm	0.0003 ppm	0.0004 ppm	0.0057 ppm	0.0287 ppm	0.0050 ppm
Concentration per Run 2	0.0001 ppm	-0.0005 ppm	0.0003 ppm	0.0003 ppm	0.0060 ppm	0.0382 ppm	0.0039 ppm
Concentration per Run 3	0.0000 ppm	-0.0005 ppm	0.0000 ppm	0.0004 ppm	0.0052 ppm	0.0232 ppm	0.0068 ppm
Recovery Percentage 1	1.669 %	-2.253 %	1.952 %	3.628 %	11.249 %	1.201 %	5.228 %
Concentration RSD	41.6 %	12.9 %	78.6 %	10.3 %	7.0 %	25.3 %	27.8 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0002 ppm	0.0002 ppm	138.2324 ppm	-0.0013 ppm	-0.0020 ppm	0.0006 ppm	0.0044 ppm
Concentration per Run 1	0.0003 ppm	0.0002 ppm	132.2450 ppm	-0.0013 ppm	-0.0020 ppm	0.0005 ppm	0.0038 ppm
Concentration per Run 2	0.0002 ppm	0.0003 ppm	135.8458 ppm	-0.0012 ppm	-0.0017 ppm	-0.0001 ppm	0.0031 ppm
Concentration per Run 3	0.0002 ppm	0.0002 ppm	146.6064 ppm	-0.0014 ppm	-0.0023 ppm	0.0014 ppm	0.0064 ppm
Recovery Percentage 1	2.171 %	0.442 %	6,911.622 %	-5.154 %	-19.770 %	1.228 %	44.064 %
Concentration RSD	24.4 %	39.3 %	5.4 %	6.0 %	15.5 %	118.9 %	39.4 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	0.0617 ppm	0.0027 ppm	0.0001 ppm	-0.0001 ppm	-0.0071 ppm	0.0000 ppm	0.0012 ppm
Concentration per Run 1	0.0623 ppm	0.0029 ppm	0.0001 ppm	-0.0001 ppm	-0.0081 ppm	0.0000 ppm	0.0012 ppm
Concentration per Run 2	0.0628 ppm	0.0025 ppm	0.0002 ppm	-0.0002 ppm	-0.0059 ppm	0.0000 ppm	0.0012 ppm
Concentration per Run 3	0.0600 ppm	0.0027 ppm	0.0001 ppm	-0.0001 ppm	-0.0074 ppm	-0.0001 ppm	0.0014 ppm
Recovery Percentage 1	12.337 %	5.400 %	1.126 %	-1.494 %	-35.675 %	-0.313 %	24.722 %
Concentration RSD	2.5 %	6.5 %	47.8 %	61.4 %	15.9 %	219.2 %	9.4 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	91.6112 %	85.8536 %	82.5245 %	100.6618 %	68.9414 %	90.4175 %	-0.0001 ppm
Concentration per Run 1	92.2149 %	85.8171 %	82.2481 %	100.8887 %	68.6562 %	90.3276 %	0.0001 ppm
Concentration per Run 2	91.3251 %	85.9264 %	82.4434 %	100.5067 %	68.9645 %	90.4539 %	0.0002 ppm
Concentration per Run 3	91.2934 %	85.8174 %	82.8820 %	100.5899 %	69.2034 %	90.4710 %	-0.0005 ppm
Recovery Percentage 1							-0.748 %
Concentration RSD	0.6 %	0.1 %	0.4 %	0.2 %	0.4 %	0.1 %	468.9 %

ICP DataTrace 6

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LabBook: WG2085790_07012025T6.imexp

Sample: WG2085839-2 WG2085839

Analysis started at: 7/1/2025 5:53:43 PM

Comments: <Comment>

Rack: 1

Vial: 13

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0544 ppm	2.3532 ppm	0.1183 ppm	0.9088 ppm	2.2849 ppm	0.0551 ppm	9.3726 ppm
Concentration per Run 1	0.0543 ppm	2.3406 ppm	0.1192 ppm	0.9015 ppm	2.2594 ppm	0.0551 ppm	9.4157 ppm
Concentration per Run 2	0.0546 ppm	2.3540 ppm	0.1178 ppm	0.9120 ppm	2.3018 ppm	0.0554 ppm	9.4214 ppm
Concentration per Run 3	0.0543 ppm	2.3650 ppm	0.1179 ppm	0.9129 ppm	2.2936 ppm	0.0549 ppm	9.2807 ppm
Concentration RSD	0.3 %	0.5 %	0.6 %	0.7 %	1.0 %	0.5 %	0.8 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0511 ppm	0.5252 ppm	0.2063 ppm	0.2736 ppm	1.1050 ppm	10.5236 ppm	9.5736 ppm
Concentration per Run 1	0.0508 ppm	0.5213 ppm	0.2066 ppm	0.2700 ppm	1.1031 ppm	10.3495 ppm	9.5382 ppm
Concentration per Run 2	0.0510 ppm	0.5264 ppm	0.2053 ppm	0.2755 ppm	1.1112 ppm	10.5031 ppm	9.5816 ppm
Concentration per Run 3	0.0514 ppm	0.5278 ppm	0.2069 ppm	0.2753 ppm	1.1008 ppm	10.7183 ppm	9.6012 ppm
Concentration RSD	0.6 %	0.7 %	0.4 %	1.1 %	0.5 %	1.8 %	0.3 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.5422 ppm	0.9738 ppm	10.3257 ppm	0.5481 ppm	0.5069 ppm	0.4777 ppm	0.1110 ppm
Concentration per Run 1	0.5422 ppm	0.9670 ppm	10.1913 ppm	0.5475 ppm	0.5063 ppm	0.4780 ppm	0.1118 ppm
Concentration per Run 2	0.5452 ppm	0.9767 ppm	10.2756 ppm	0.5472 ppm	0.5064 ppm	0.4786 ppm	0.1098 ppm
Concentration per Run 3	0.5393 ppm	0.9776 ppm	10.5103 ppm	0.5497 ppm	0.5079 ppm	0.4766 ppm	0.1115 ppm
Concentration RSD	0.5 %	0.6 %	1.6 %	0.3 %	0.2 %	0.2 %	1.0 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	1.3459 ppm	0.9592 ppm	0.9313 ppm	0.9434 ppm	0.1113 ppm	0.5691 ppm	0.5232 ppm
Concentration per Run 1	1.3422 ppm	0.9565 ppm	0.9258 ppm	0.9431 ppm	0.1104 ppm	0.5695 ppm	0.5239 ppm
Concentration per Run 2	1.3483 ppm	0.9591 ppm	0.9322 ppm	0.9411 ppm	0.1116 ppm	0.5667 ppm	0.5223 ppm
Concentration per Run 3	1.3472 ppm	0.9620 ppm	0.9358 ppm	0.9461 ppm	0.1119 ppm	0.5711 ppm	0.5234 ppm
Concentration RSD	0.2 %	0.3 %	0.5 %	0.3 %	0.7 %	0.4 %	0.2 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	94.0148 %	89.8381 %	87.2231 %	102.6420 %	78.4938 %	94.5858 %	0.0005 ppm
Concentration per Run 1	94.6375 %	90.6672 %	87.5301 %	102.8393 %	78.7918 %	95.4721 %	0.0006 ppm
Concentration per Run 2	93.5611 %	89.5056 %	87.0613 %	102.3726 %	78.3972 %	94.1962 %	0.0006 ppm
Concentration per Run 3	93.8457 %	89.3414 %	87.0778 %	102.7140 %	78.2924 %	94.0892 %	0.0003 ppm
Concentration RSD	0.6 %	0.8 %	0.3 %	0.2 %	0.3 %	0.8 %	36.0 %

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LabBook: WG2085790_07012025T6.imexp

Sample: L2540184-01 WG2085839

Analysis started at: 7/1/2025 6:00:06 PM

Comments: <Comment>

Rack: 1

Vial: 14

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0394 ppm	-0.0005 ppm	0.0107 ppm	0.0926 ppm	0.0000 ppm	26.5087 ppm
Concentration per Run 1	-0.0001 ppm	0.0400 ppm	-0.0005 ppm	0.0108 ppm	0.0927 ppm	0.0000 ppm	26.0435 ppm
Concentration per Run 2	-0.0002 ppm	0.0383 ppm	-0.0006 ppm	0.0107 ppm	0.0923 ppm	0.0000 ppm	26.9455 ppm
Concentration per Run 3	0.0002 ppm	0.0400 ppm	-0.0003 ppm	0.0106 ppm	0.0929 ppm	0.0000 ppm	26.5371 ppm
Concentration RSD	1.691.6 %	2.5 %	37.7 %	0.8 %	0.3 %	89.0 %	1.7 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0015 ppm	-0.0002 ppm	0.0005 ppm	0.0077 ppm	0.0260 ppm	0.4075 ppm	1.6882 ppm
Concentration per Run 1	0.0016 ppm	-0.0002 ppm	0.0002 ppm	0.0076 ppm	0.0256 ppm	0.4103 ppm	1.6847 ppm
Concentration per Run 2	0.0015 ppm	-0.0002 ppm	0.0006 ppm	0.0078 ppm	0.0267 ppm	0.3992 ppm	1.6951 ppm
Concentration per Run 3	0.0015 ppm	-0.0001 ppm	0.0008 ppm	0.0078 ppm	0.0257 ppm	0.4131 ppm	1.6848 ppm
Concentration RSD	1.6 %	57.0 %	57.9 %	1.2 %	2.3 %	1.8 %	0.4 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0209 ppm	0.0008 ppm	138.3621 ppm	0.0023 ppm	0.2772 ppm	0.0051 ppm	0.0022 ppm
Concentration per Run 1	0.0206 ppm	0.0009 ppm	142.4852 ppm	0.0021 ppm	0.2786 ppm	0.0062 ppm	0.0015 ppm
Concentration per Run 2	0.0211 ppm	0.0007 ppm	136.9641 ppm	0.0025 ppm	0.2740 ppm	0.0051 ppm	0.0023 ppm
Concentration per Run 3	0.0211 ppm	0.0009 ppm	135.6371 ppm	0.0023 ppm	0.2789 ppm	0.0040 ppm	0.0028 ppm
Concentration RSD	1.4 %	8.4 %	2.6 %	8.5 %	1.0 %	21.9 %	29.1 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	0.5642 ppm	0.0025 ppm	0.0821 ppm	0.0007 ppm	-0.0090 ppm	0.0001 ppm	1.0095 ppm
Concentration per Run 1	0.5726 ppm	0.0030 ppm	0.0821 ppm	0.0008 ppm	-0.0083 ppm	0.0001 ppm	1.0139 ppm
Concentration per Run 2	0.5536 ppm	0.0024 ppm	0.0818 ppm	0.0005 ppm	-0.0095 ppm	0.0000 ppm	0.9978 ppm
Concentration per Run 3	0.5665 ppm	0.0019 ppm	0.0825 ppm	0.0008 ppm	-0.0091 ppm	0.0001 ppm	1.0167 ppm
Concentration RSD	1.7 %	23.0 %	0.4 %	22.6 %	6.9 %	29.7 %	1.0 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	91.4226 %	85.0237 %	82.4384 %	100.5034 %	68.7818 %	89.6941 %	0.0075 ppm
Concentration per Run 1	92.3820 %	85.2874 %	81.2752 %	101.1810 %	67.9225 %	89.9351 %	0.0080 ppm
Concentration per Run 2	90.7522 %	85.0590 %	83.9333 %	100.1251 %	69.9871 %	89.6689 %	0.0069 ppm
Concentration per Run 3	91.1337 %	84.7248 %	82.1065 %	100.2040 %	68.4358 %	89.4781 %	0.0075 ppm
Concentration RSD	0.9 %	0.3 %	1.6 %	0.6 %	1.6 %	0.3 %	7.3 %

ICP DataTrace 6

7/1/2025 6:40:29 PM



LabBook: WG2085790_07012025T6.imexp

Sample: WG2085839-3 WG2085839

Analysis started at: 7/1/2025 6:06:46 PM

Comments: <Comment>

Rack: 1

Vial: 15

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0564 ppm	2.4122 ppm	0.1280 ppm	0.9250 ppm	2.3970 ppm	0.0560 ppm	36.0529 ppm
Concentration per Run 1	0.0562 ppm	2.4030 ppm	0.1273 ppm	0.9333 ppm	2.3887 ppm	0.0557 ppm	35.9400 ppm
Concentration per Run 2	0.0565 ppm	2.4081 ppm	0.1274 ppm	0.9247 ppm	2.3832 ppm	0.0563 ppm	36.1577 ppm
Concentration per Run 3	0.0564 ppm	2.4255 ppm	0.1292 ppm	0.9169 ppm	2.4192 ppm	0.0561 ppm	36.0610 ppm
Concentration RSD	0.3 %	0.5 %	0.8 %	0.9 %	0.8 %	0.6 %	0.3 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0526 ppm	0.5042 ppm	0.2056 ppm	0.2867 ppm	1.1197 ppm	11.1028 ppm	10.6856 ppm
Concentration per Run 1	0.0531 ppm	0.5077 ppm	0.2052 ppm	0.2868 ppm	1.1134 ppm	11.0402 ppm	10.6853 ppm
Concentration per Run 2	0.0529 ppm	0.5061 ppm	0.2063 ppm	0.2880 ppm	1.1220 ppm	11.0528 ppm	10.7352 ppm
Concentration per Run 3	0.0519 ppm	0.4987 ppm	0.2052 ppm	0.2855 ppm	1.1237 ppm	11.2154 ppm	10.6364 ppm
Concentration RSD	1.2 %	1.0 %	0.3 %	0.4 %	0.5 %	0.9 %	0.5 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.5569 ppm	0.9600 ppm	151.1767 ppm	0.5760 ppm	0.7896 ppm	0.5303 ppm	0.1199 ppm
Concentration per Run 1	0.5554 ppm	0.9660 ppm	147.4168 ppm	0.5764 ppm	0.7880 ppm	0.5295 ppm	0.1204 ppm
Concentration per Run 2	0.5588 ppm	0.9633 ppm	147.7099 ppm	0.5726 ppm	0.7886 ppm	0.5276 ppm	0.1183 ppm
Concentration per Run 3	0.5566 ppm	0.9508 ppm	158.4034 ppm	0.5791 ppm	0.7921 ppm	0.5338 ppm	0.1209 ppm
Concentration RSD	0.3 %	0.8 %	4.1 %	0.6 %	0.3 %	0.6 %	1.2 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	2.0426 ppm	0.9975 ppm	1.0067 ppm	0.9476 ppm	0.1034 ppm	0.5692 ppm	1.5173 ppm
Concentration per Run 1	2.0412 ppm	0.9967 ppm	0.9989 ppm	0.9466 ppm	0.1039 ppm	0.5688 ppm	1.5231 ppm
Concentration per Run 2	2.0305 ppm	0.9973 ppm	1.0101 ppm	0.9510 ppm	0.1050 ppm	0.5703 ppm	1.5182 ppm
Concentration per Run 3	2.0561 ppm	0.9985 ppm	1.0109 ppm	0.9451 ppm	0.1013 ppm	0.5684 ppm	1.5108 ppm
Concentration RSD	0.6 %	0.1 %	0.7 %	0.3 %	1.8 %	0.2 %	0.4 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	90.3895 %	85.1773 %	82.4386 %	99.3779 %	68.1922 %	89.5141 %	0.0081 ppm
Concentration per Run 1	90.9094 %	84.8360 %	82.6973 %	99.7700 %	68.4583 %	89.1172 %	0.0085 ppm
Concentration per Run 2	90.1569 %	85.0423 %	82.6603 %	99.1264 %	68.4359 %	89.3302 %	0.0080 ppm
Concentration per Run 3	90.1022 %	85.6535 %	81.9581 %	99.2374 %	67.6824 %	90.0948 %	0.0077 ppm
Concentration RSD	0.5 %	0.5 %	0.5 %	0.3 %	0.6 %	0.6 %	5.4 %

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LabBook: WG2085790_07012025T6.imexp

Sample: WG2085839-4 WG2085839

Analysis started at: 7/1/2025 6:13:20 PM

Comments: <Comment>

Rack: 1

Vial: 16

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	0.0410 ppm	-0.0001 ppm	0.0108 ppm	0.0893 ppm	0.0000 ppm	25.8032 ppm
Concentration per Run 1	-0.0001 ppm	0.0388 ppm	-0.0007 ppm	0.0110 ppm	0.0887 ppm	0.0000 ppm	25.6854 ppm
Concentration per Run 2	-0.0001 ppm	0.0416 ppm	-0.0003 ppm	0.0110 ppm	0.0895 ppm	0.0000 ppm	25.9028 ppm
Concentration per Run 3	0.0003 ppm	0.0426 ppm	0.0006 ppm	0.0105 ppm	0.0898 ppm	0.0000 ppm	25.8214 ppm
Concentration RSD	497.6 %	4.7 %	473.9 %	2.6 %	0.6 %	269.6 %	0.4 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0015 ppm	-0.0002 ppm	0.0004 ppm	0.0075 ppm	0.0258 ppm	0.3909 ppm	1.6427 ppm
Concentration per Run 1	0.0016 ppm	-0.0003 ppm	0.0004 ppm	0.0075 ppm	0.0262 ppm	0.3847 ppm	1.6317 ppm
Concentration per Run 2	0.0015 ppm	-0.0001 ppm	0.0004 ppm	0.0074 ppm	0.0259 ppm	0.3886 ppm	1.6554 ppm
Concentration per Run 3	0.0015 ppm	-0.0001 ppm	0.0003 ppm	0.0078 ppm	0.0254 ppm	0.3995 ppm	1.6410 ppm
Concentration RSD	2.4 %	61.1 %	9.8 %	2.5 %	1.5 %	2.0 %	0.7 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0203 ppm	0.0008 ppm	134.1878 ppm	0.0022 ppm	0.2694 ppm	0.0043 ppm	0.0038 ppm
Concentration per Run 1	0.0203 ppm	0.0007 ppm	135.8999 ppm	0.0024 ppm	0.2686 ppm	0.0039 ppm	0.0032 ppm
Concentration per Run 2	0.0202 ppm	0.0010 ppm	135.6935 ppm	0.0022 ppm	0.2698 ppm	0.0046 ppm	0.0047 ppm
Concentration per Run 3	0.0205 ppm	0.0008 ppm	130.9701 ppm	0.0018 ppm	0.2699 ppm	0.0042 ppm	0.0034 ppm
Concentration RSD	0.8 %	17.7 %	2.1 %	14.0 %	0.3 %	7.9 %	21.4 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	0.5486 ppm	0.0030 ppm	0.0793 ppm	0.0010 ppm	-0.0081 ppm	0.0002 ppm	0.9827 ppm
Concentration per Run 1	0.5477 ppm	0.0025 ppm	0.0791 ppm	0.0010 ppm	-0.0089 ppm	0.0000 ppm	0.9857 ppm
Concentration per Run 2	0.5495 ppm	0.0038 ppm	0.0795 ppm	0.0010 ppm	-0.0069 ppm	0.0001 ppm	0.9806 ppm
Concentration per Run 3	0.5485 ppm	0.0026 ppm	0.0794 ppm	0.0011 ppm	-0.0085 ppm	0.0003 ppm	0.9817 ppm
Concentration RSD	0.2 %	25.3 %	0.3 %	6.5 %	13.3 %	97.5 %	0.3 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	92.0489 %	85.0824 %	82.9878 %	100.4473 %	69.5515 %	89.7739 %	0.0073 ppm
Concentration per Run 1	93.0179 %	85.4498 %	83.5226 %	101.0973 %	69.7625 %	90.0542 %	0.0072 ppm
Concentration per Run 2	91.4868 %	85.0597 %	82.6840 %	99.9213 %	69.3158 %	89.8674 %	0.0074 ppm
Concentration per Run 3	91.6421 %	84.7377 %	82.7567 %	100.3233 %	69.5763 %	89.4002 %	0.0074 ppm
Concentration RSD	0.9 %	0.4 %	0.6 %	0.6 %	0.3 %	0.4 %	1.4 %

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LabBook: WG2085790_07012025T6.imexp

Sample: CCV
 Analysis started at: 7/1/2025 6:26:17 PM
 Comments: <Comment>
 Rack: 0
 Vial: 3

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.5093 ppm	0.5183 ppm	0.5063 ppm	0.5046 ppm	0.5224 ppm	0.5049 ppm	0.4801 ppm
Concentration per Run 1	0.5105 ppm	0.5107 ppm	0.5131 ppm	0.5035 ppm	0.5203 ppm	0.5043 ppm	0.4801 ppm
Concentration per Run 2	0.5087 ppm	0.5191 ppm	0.5029 ppm	0.5033 ppm	0.5225 ppm	0.5059 ppm	0.4791 ppm
Concentration per Run 3	0.5086 ppm	0.5250 ppm	0.5030 ppm	0.5070 ppm	0.5242 ppm	0.5044 ppm	0.4809 ppm
Recovery Percentage 1	101.861 %	103.658 %	101.268 %	100.924 %	104.475 %	100.975 %	96.012 %
Concentration RSD	0.2 %	1.4 %	1.2 %	0.4 %	0.4 %	0.2 %	0.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.5031 ppm	0.5089 ppm	0.4845 ppm	0.5016 ppm	0.5032 ppm	5.3525 ppm	0.5198 ppm
Concentration per Run 1	0.5042 ppm	0.5095 ppm	0.4874 ppm	0.5008 ppm	0.5040 ppm	5.2691 ppm	0.5240 ppm
Concentration per Run 2	0.4984 ppm	0.5065 ppm	0.4848 ppm	0.5008 ppm	0.5041 ppm	5.3052 ppm	0.5158 ppm
Concentration per Run 3	0.5067 ppm	0.5107 ppm	0.4812 ppm	0.5033 ppm	0.5016 ppm	5.4833 ppm	0.5197 ppm
Recovery Percentage 1	100.612 %	101.783 %	96.898 %	100.326 %	100.644 %	107.050 %	103.962 %
Concentration RSD	0.8 %	0.4 %	0.6 %	0.3 %	0.3 %	2.1 %	0.8 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.5076 ppm	0.5004 ppm	10.1105 ppm	0.4820 ppm	0.4787 ppm	0.4663 ppm	0.5004 ppm
Concentration per Run 1	0.5078 ppm	0.5006 ppm	9.9671 ppm	0.4877 ppm	0.4842 ppm	0.4710 ppm	0.5060 ppm
Concentration per Run 2	0.5097 ppm	0.4982 ppm	10.0474 ppm	0.4796 ppm	0.4760 ppm	0.4647 ppm	0.4983 ppm
Concentration per Run 3	0.5053 ppm	0.5023 ppm	10.3169 ppm	0.4788 ppm	0.4760 ppm	0.4633 ppm	0.4970 ppm
Recovery Percentage 1	101.516 %	100.076 %	101.105 %	96.406 %	95.746 %	93.261 %	100.089 %
Concentration RSD	0.4 %	0.4 %	1.8 %	1.0 %	1.0 %	0.9 %	1.0 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	5.1683 ppm	0.4668 ppm	0.4785 ppm	0.4814 ppm	0.5032 ppm	0.5208 ppm	0.4988 ppm
Concentration per Run 1	5.2220 ppm	0.4716 ppm	0.4769 ppm	0.4833 ppm	0.5088 ppm	0.5221 ppm	0.5053 ppm
Concentration per Run 2	5.1435 ppm	0.4639 ppm	0.4788 ppm	0.4816 ppm	0.5024 ppm	0.5217 ppm	0.4937 ppm
Concentration per Run 3	5.1394 ppm	0.4650 ppm	0.4799 ppm	0.4792 ppm	0.4984 ppm	0.5185 ppm	0.4973 ppm
Recovery Percentage 1	98.444 %	93.366 %	95.707 %	96.272 %	100.641 %	104.152 %	99.753 %
Concentration RSD	0.9 %	0.9 %	0.3 %	0.4 %	1.0 %	0.4 %	1.2 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	95.2722 %	91.8737 %	90.0246 %	103.7135 %	87.5521 %	96.3708 %	0.5310 ppm
Concentration per Run 1	96.0104 %	91.9726 %	88.9857 %	104.1842 %	86.8458 %	96.5372 %	0.5238 ppm
Concentration per Run 2	95.1283 %	91.8853 %	89.9875 %	103.4305 %	87.6820 %	96.2875 %	0.5265 ppm
Concentration per Run 3	94.6778 %	91.7633 %	91.1007 %	103.5259 %	88.1286 %	96.2877 %	0.5428 ppm
Recovery Percentage 1							106.207 %
Concentration RSD	0.7 %	0.1 %	1.2 %	0.4 %	0.7 %	0.1 %	1.9 %

ICP DataTrace 6

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LabBook: WG2085790_07012025T6.imexp

Sample: CCB
Analysis started at: 7/1/2025 6:32:36 PM
Comments: <Comment>
Rack: 0
Vial: 4

	Ag 328.068 {103} (Axial)	Al 396.152 {85} (Radial)	As 189.042 {478} (Axial)	B 208.959 {461} (Axial)	Ba 455.403 {74} (Radial)	Be 313.042 {108} (Radial)	Ca 315.887 {107} (Radial)
Concentration average	0.0000 ppm	-0.0007 ppm	-0.0020 ppm	0.0012 ppm	0.0000 ppm	0.0000 ppm	-0.0022 ppm
Concentration per Run 1	0.0002 ppm	-0.0015 ppm	-0.0025 ppm	0.0012 ppm	0.0000 ppm	0.0000 ppm	0.0017 ppm
Concentration per Run 2	-0.0003 ppm	0.0007 ppm	-0.0016 ppm	0.0012 ppm	0.0000 ppm	0.0000 ppm	-0.0040 ppm
Concentration per Run 3	0.0001 ppm	-0.0012 ppm	-0.0018 ppm	0.0011 ppm	0.0000 ppm	0.0000 ppm	-0.0044 ppm
Recovery Percentage 1	0.081 %	-0.656 %	-39.836 %	3.997 %	0.016 %	-0.118 %	-2.238 %
Concentration RSD	4,498.6 %	184.1 %	24.5 %	4.3 %	1,691.4 %	208.2 %	154.2 %

	Cd 214.438 {457} (Axial)	Co 228.616 {447} (Axial)	Cr 267.716 {126} (Axial)	Cu 324.754 {104} (Axial)	Fe 259.940 {130} (Radial)	K 766.490 {44} (Radial)	Mg 279.079 {121} (Axial)
Concentration average	0.0000 ppm	-0.0001 ppm	0.0000 ppm	-0.0004 ppm	0.0005 ppm	0.0111 ppm	0.0012 ppm
Concentration per Run 1	0.0000 ppm	-0.0001 ppm	-0.0005 ppm	-0.0004 ppm	0.0004 ppm	-0.0034 ppm	0.0012 ppm
Concentration per Run 2	-0.0001 ppm	-0.0001 ppm	0.0000 ppm	-0.0004 ppm	0.0004 ppm	0.0233 ppm	0.0009 ppm
Concentration per Run 3	0.0000 ppm	-0.0001 ppm	0.0004 ppm	-0.0004 ppm	0.0006 ppm	0.0133 ppm	0.0014 ppm
Recovery Percentage 1	-0.549 %	-0.604 %	-0.407 %	-4.223 %	0.910 %	0.443 %	1.163 %
Concentration RSD	289.8 %	20.4 %	1,056.5 %	8.7 %	25.1 %	122.0 %	22.8 %

	Mn 257.610 {131} (Radial)	Mo 202.030 {467} (Axial)	Na 589.592 {57} (Radial)	Ni 231.604 {445} (Axial)	Pb 220.353 {453} (Axial)	Sb 206.833 {463} (Axial)	Se 196.090 {472} (Axial)
Concentration average	0.0002 ppm	0.0005 ppm	0.0042 ppm	-0.0006 ppm	-0.0006 ppm	0.0004 ppm	0.0012 ppm
Concentration per Run 1	0.0002 ppm	0.0005 ppm	0.0068 ppm	-0.0007 ppm	-0.0004 ppm	0.0009 ppm	0.0002 ppm
Concentration per Run 2	0.0003 ppm	0.0004 ppm	0.0037 ppm	-0.0006 ppm	-0.0009 ppm	0.0000 ppm	0.0017 ppm
Concentration per Run 3	0.0000 ppm	0.0005 ppm	0.0020 ppm	-0.0005 ppm	-0.0005 ppm	0.0005 ppm	0.0018 ppm
Recovery Percentage 1	1.535 %	0.951 %	0.208 %	-2.428 %	-5.980 %	0.899 %	12.354 %
Concentration RSD	87.7 %	5.8 %	58.5 %	13.2 %	49.5 %	92.9 %	76.0 %

	Si 212.412 {459} (Axial)	Sn 189.989 {477} (Axial)	Sr 421.552 {80} (Radial)	Ti 334.904 {101} (Axial)	Tl 190.856 {477} (Axial)	V 292.402 {115} (Axial)	Zn 206.200 {463} (Axial)
Concentration average	0.0034 ppm	0.0006 ppm	0.0000 ppm	-0.0001 ppm	-0.0019 ppm	-0.0001 ppm	-0.0001 ppm
Concentration per Run 1	0.0034 ppm	0.0007 ppm	0.0000 ppm	0.0001 ppm	-0.0020 ppm	0.0000 ppm	-0.0001 ppm
Concentration per Run 2	0.0032 ppm	0.0004 ppm	0.0000 ppm	-0.0001 ppm	-0.0022 ppm	-0.0001 ppm	0.0000 ppm
Concentration per Run 3	0.0038 ppm	0.0007 ppm	-0.0001 ppm	-0.0002 ppm	-0.0016 ppm	-0.0002 ppm	-0.0002 ppm
Recovery Percentage 1	0.689 %	1.207 %	-0.250 %	-0.690 %	-9.688 %	-0.601 %	-2.122 %
Concentration RSD	8.4 %	26.7 %	189.3 %	234.0 %	15.2 %	164.5 %	108.0 %

	Y 371.030 {91} (Radial)	Y 360.073 {94} (Axial)	Y 224.306 {450} (Axial)	Sc 361.384 {93} (Radial)	Sc 227.318 {448} (Axial)	Sc 361.384 {93} (Axial)	Li 670.784 {50} (Radial)
Concentration average	96.2686 %	92.2097 %	90.4352 %	101.9689 %	90.8512 %	96.0108 %	0.0000 ppm
Concentration per Run 1	97.3446 %	91.9693 %	89.7166 %	101.6676 %	89.9367 %	95.7535 %	-0.0003 ppm
Concentration per Run 2	96.2689 %	92.5834 %	90.7177 %	102.2335 %	91.1292 %	96.4103 %	0.0002 ppm
Concentration per Run 3	95.1923 %	92.0764 %	90.8713 %	102.0056 %	91.4878 %	95.8687 %	0.0000 ppm
Recovery Percentage 1							-0.238 %
Concentration RSD	1.1 %	0.4 %	0.7 %	0.3 %	0.9 %	0.4 %	1,133.6 %

QC True Values: Trace 4,5,6,7

	Element	True Value (mg/L)		Element	True Value (mg/L)
ICV/CCV	Al	0.50	CRI	Al	0.40
	K	5.00		Sb	0.10
	Na	10.00		As	0.02
	Si	5.25		Ba	0.04
ICSA				Be	0.01
	Al	250		Bi	0.02
	Ca	250		B	0.10
	Fe	100		Cd	0.01
ICSB	Mg	250		Ca	0.40
				Cr	0.02
	Al	9.00		Co	0.10
	Sb	1.00		Cu	0.05
	As	1.00		Fe	0.20
	Ba	0.30		Pb	0.05
	Be	0.10		Mg	0.40
	Bi	1.00		Mn	0.03
	B	0.50		Mo	0.10
	Cd	0.30		Ni	0.08
	Ca	45.00		K	5.00
	Cr	0.30		Se	0.02
	Co	0.30		Si	1.00
	Cu	0.30		Ag	0.02
	Fe	37.50		Na	5.00
	Pb	1.00		Sr	0.02
	Mg	22.50		Tl	0.02
	Mn	0.20		Sn	0.02
	Mo	0.30		Ti	0.02
	Ni	0.30		V	0.10
	K	20.00		Zn	0.04
	Se	0.50			
	Si	1.23			
	Ag	0.30			
	Na	7.50			
	Sr	1.00			
	Tl	1.00			
	Sn	1.00			
	Ti	1.00			
	V	0.30			
	Zn	0.30			

LCS & MS Spike Concentrations

Element	Liquid concentrations (mg/L)	Soil concentrations (mg/kg)
Al	2.00	100
Sb	0.50	25.0
As	0.12	6.0
Ba	2.00	100
Be	0.05	2.5
Bi	1.00	50.0
B	1.00	50.0
Cd	0.05	2.55
Ca	10.00	500
Cr	0.20	10.0
Co	0.50	25.0
Cu	0.25	12.5
Fe	1.00	50.0
Pb	0.51	25.5
Mg	10.00	500
Mn	0.50	25.0
Mo	1.00	50.0
Ni	0.50	25.0
K	10.00	500
Se	0.12	6.0
Si	1.00	50.0
Ag	0.05	2.5
Na	10.00	500
Sr	1.00	50.0
Tl	0.12	6.0
Sn	1.00	50.0
Ti	1.00	50.0
V	0.50	25.0
Zn	0.50	25.0

LCS and MS Spike Concentrations—As of 08/09/2011

Element	Liquid Concentration(mg/L)	Soil Concentration (mg/kg)
Al	2.00	160
Sb	0.50	40
As	0.12	9.6
Ba	2.00	160
Be	0.05	4.0
Bi	1.00	80
B	1.00	80
Cd	0.051	4.08
Ca	10.0	800
Cr	0.20	16
Co	0.50	40
Cu	0.25	20
Fe	1.00	80
Pb	0.51	40.8
Mg	10.0	800
Mn	0.50	40
Mo	1.00	80
Ni	0.50	40
K	10.0	800
Se	0.12	9.6
Si	1.00	80
Ag	0.05	24
Na	10.0	800
Sr	1.00	80
Tl	0.12	9.6
Sn	1.00	80
Ti	1.00	80
V	0.50	40
Zn	0.50	40

Revised 8/9/11 Soil spike is based on (2x water spike)x(50/1.25), where 50 is the final volume of soil digestate and 1.25 is the nominal digestion weight of 1.25g, except in the case of Ag, where additional Ag is added to the spike.

▪ Certificate of Analysis ▪

Product: Metals in Soil
Catalog Number: 540
Lot No. D102-540
Certificate Issue Date: June 22, 2018
Expiration Date: January 31, 2022
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 030512.

CERTIFICATION

Parameter	Certified Value ¹	Reference Value	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	10100	8160	6.36	3960 - 12400	4080 - 12200
Antimony	120	60.9	9.42	0.822 - 121	12.0 - 166
Arsenic	144	135	5.08	112 - 158	94.6 - 176
Barium	469	443	6.77	366 - 521	332 - 554
Beryllium	207	197	5.86	164 - 229	148 - 246
Boron	213	174	12.6	127 - 221	105 - 244
Cadmium	224	204	6.65	169 - 240	153 - 256
Calcium	5190	4830	9.12	3950 - 5700	3510 - 6150
Chromium	138	132	8.56	109 - 155	92.2 - 171
Cobalt	182	179	7.93	151 - 207	134 - 224
Copper	191	184	6.72	155 - 213	138 - 230
Iron	15000	14400	10.7	8770 - 20000	5120 - 23600
Lead	225	216	7.72	178 - 254	159 - 274
Magnesium	2570	2340	6.13	1780 - 2900	1460 - 3230
Manganese	331	323	6.71	266 - 380	242 - 404
Mercury	16.8	13.2	16.0	8.64 - 17.7	7.89 - 18.5
Molybdenum	193	175	2.39	141 - 209	125 - 226
Nickel	163	152	5.95	126 - 178	106 - 197
Potassium	2420	2050	6.31	1440 - 2660	1210 - 2890
Selenium	81.9	74.9	4.13	59.3 - 90.5	47.0 - 103
Silver	57.6	53.9	9.00	43.0 - 64.8	37.8 - 70.0
Sodium	161	149	12.1	111 - 188	57.7 - 241
Strontium	100	96.2	4.04	78.1 - 114	69.0 - 123
Thallium	253	232	3.54	188 - 276	168 - 296

▪ Certificate of Analysis ▪

Parameter	Certified Value ¹	Reference Value	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Tin	146	134	10.8	106 - 163	79.5 - 189
Titanium	449	340	7.20	70.2 - 609	44.9 - 711
Uranium	114	113	7.10	85.5 - 140	71.9 - 153
Vanadium	180	172	8.85	137 - 207	126 - 218
Zinc	217	211	6.58	171 - 250	147 - 274

ANALYTICAL VERIFICATION

Parameter	Certified Value ¹	Proficiency Testing Study			NIST Traceability	
		Mean	Recovery ⁵	n	SRM Number	Recovery
	mg/kg	mg/kg	%			%
Aluminum	10100	8160	80.8	138	-	-
Antimony	120	60.9	50.8	135	-	-
Arsenic	144	135	93.8	184	-	-
Barium	469	443	94.5	158	-	-
Beryllium	207	197	95.0	148	-	-
Boron	213	174	81.8	107	-	-
Cadmium	224	204	91.3	199	-	-
Calcium	5190	4830	93.0	122	-	-
Chromium	138	132	95.5	172	-	-
Cobalt	182	179	98.4	140	-	-
Copper	191	184	96.3	183	-	-
Iron	15000	14400	95.6	133	-	-
Lead	225	216	96.2	204	-	-
Magnesium	2570	2340	91.2	122	-	-
Manganese	331	323	97.6	147	-	-
Mercury	16.8	13.2	78.3	128	-	-
Molybdenum	193	175	90.8	143	-	-
Nickel	163	152	93.1	185	-	-
Potassium	2420	2050	84.7	121	-	-
Selenium	81.9	74.9	91.5	163	-	-

▪ Certificate of Analysis ▪

Parameter	Certified Value ¹	Proficiency Testing Study		n	NIST Traceability	
		Mean	Recovery ⁵		SRM Number	Recovery
	mg/kg	mg/kg	%			%
Silver	57.6	53.9	93.6	150	-	-
Sodium	161	149	92.8	105	-	-
Strontium	100	96.2	96.2	90	-	-
Thallium	253	232	91.6	147	-	-
Tin	146	134	92.0	100	-	-
Titanium	449	340	75.6	93	-	-
Uranium	114	113	98.8	35	-	-
Vanadium	180	172	95.4	139	-	-
Zinc	217	211	97.0	180	-	-

1. The **Certified Values** are the actual "made-to" concentrations confirmed by ERA analytical verification. The certified values are monitored and purchasers will be notified of any significant changes resulting in recertification or withdrawal of this certified reference material during the period of validity of this certificate.

2. The **Uncertainty** is the total propagated uncertainty at the 95% confidence interval. The uncertainty is based on the preparation and internal analytical verification of the product by ERA, multiplied by a coverage factor. The uncertainty applies to the product as supplied and does not take into account any required or optional dilution and/or preparations the laboratory may perform while using this product.

3. The **QC Performance Acceptance Limits (QC PALs™)** are based on actual historical data collected in ERA's Proficiency Testing program. The QC PALs™ reflect any inherent biases in the methods used to establish the limits and closely approximate a 95% confidence interval of the performance that experienced laboratories should achieve using accepted environmental methods. Use the QC PALs™ to realistically evaluate your performance against your peers.

4. The **PT Performance Acceptance Limits (PT PALs™)** are calculated using the regression equations and fixed acceptance criteria specified in the NELAC proficiency testing requirements. Use the PT PALs™ when analyzing this QC standard alongside USEPA and NELAC compliant PT standards. Please note that many PT study acceptance limits are concentration dependent (some non-linearly) and, therefore, the acceptance limits of this QC standard and any PT standard may differ relative to their difference in concentrations.

5. The **PT Data/Traceability** data include the mean value, percent recovery and number of data points reported by the laboratories in our Proficiency Testing study compared to the Certified Values. In addition, where NIST Standard Reference Materials (SRMs) are available, each analyte has been analytically traced to the NIST SRM listed. This product is traceable to the lot numbers of its starting materials. All gravimetric and volumetric measurements related to its manufacture are traceable to NIST through an unbroken chain of comparisons.

Traceability Recovery (%) = [(% recovery certified standard)/(% recovery NIST SRM)]*100

The traceability data shown were compiled by analyzing the ERA standards or their associated stock solutions against the applicable NIST SRMs.

6. For additional information on this product such as intended use, instructions for use, level of homogeneity, and safety information, please refer to the provided Instruction Sheet

If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or send an email to info@eraqc.com.

Certifying Officer

Brian Miller

Quality Officer

Matthew Seebeck




ISO/IEC GUIDE 34:2009

ISO/IEC 17025:2005



Page 3 of 3 Lot: D102-540



A Waters Company

Reference Material

▪ Certificate of Analysis ▪

Product: Metals in Soil
Catalog Number: 540
Lot No. D105-540
Certificate Issue Date: March 19, 2019
Expiration Date: October 12, 2022
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 030512.

CERTIFICATION

Parameter	Certified Value ¹	Reference Value	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	10100	8800	8.32	4600 - 13000	4470 - 13100
Antimony	282	147	7.70	6.17 - 289	28.2 - 366
Arsenic	155	143	6.34	119 - 168	100 - 186
Barium	439	415	5.37	343 - 488	311 - 519
Beryllium	192	179	2.78	149 - 210	134 - 224
Boron	216	160	7.08	113 - 208	96.1 - 238
Cadmium	61.5	56.2	0.528	46.6 - 65.9	42.2 - 70.3
Calcium	5190	4960	6.64	4090 - 5840	3610 - 6310
Chromium	104	101	4.75	83.2 - 118	70.5 - 131
Cobalt	196	189	0.500	158 - 219	141 - 236
Copper	65.0	63.1	2.65	53.1 - 73.1	47.3 - 78.9
Iron	15000	15700	8.94	10100 - 21300	6000 - 25400
Lead	126	125	4.77	103 - 146	89.3 - 160
Magnesium	2570	2410	6.26	1860 - 2970	1520 - 3310
Manganese	387	382	5.37	315 - 449	290 - 474
Mercury	7.76	7.61	13.7	5.53 - 9.69	4.57 - 10.7
Molybdenum	120	107	0.500	86.0 - 128	75.5 - 139
Nickel	117	108	0.514	89.5 - 127	75.7 - 141
Potassium	2420	2110	5.62	1500 - 2720	1260 - 2960
Selenium	84.6	77.9	7.10	61.8 - 94.0	49.2 - 107
Silver	34.6	34.3	8.34	27.8 - 40.9	23.6 - 45.1
Sodium	161	145	6.72	106 - 183	54.3 - 235
Strontium	104	104	3.95	85.1 - 123	74.8 - 133
Thallium	123	113	0.500	91.3 - 134	77.1 - 149

Page 1 of 3 Lot: D105-540

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▪ Certificate of Analysis ▪

Parameter	Certified Value ¹	Reference Value	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Tin	118	107	0.500	83.5 - 130	61.2 - 152
Titanium	512	421	5.80	114 - 728	0.00 - 854
Uranium	103	104	6.18	79.1 - 128	71.9 - 135
Vanadium	87.3	83.7	8.55	66.8 - 101	54.2 - 113
Zinc	251	240	3.98	194 - 285	168 - 312

ANALYTICAL VERIFICATION

Parameter	Certified Value ¹	Proficiency Testing Study			NIST Traceability	
		Mean	Recovery ⁵	n	SRM Number	Recovery
	mg/kg	mg/kg	%			%
Aluminum	10100	8800	87.1	193	-	-
Antimony	282	147	52.3	216	-	-
Arsenic	155	143	92.5	240	-	-
Barium	439	415	94.6	222	-	-
Beryllium	192	179	93.4	220	-	-
Boron	216	160	74.2	152	-	-
Cadmium	61.5	56.2	91.5	239	-	-
Calcium	5190	4960	95.6	175	-	-
Chromium	104	101	96.8	237	-	-
Cobalt	196	189	96.2	215	-	-
Copper	65.0	63.1	97.1	237	-	-
Iron	15000	15700	105	195	-	-
Lead	126	125	99.0	243	-	-
Magnesium	2570	2410	93.9	177	-	-
Manganese	387	382	98.7	215	-	-
Mercury	7.76	7.61	98.0	157	-	-
Molybdenum	120	107	89.4	216	-	-
Nickel	117	108	92.5	235	-	-
Potassium	2420	2110	87.2	181	-	-
Selenium	84.6	77.9	92.1	231	-	-

▪ Certificate of Analysis ▪

Parameter	Certified Value ¹	Proficiency Testing Study		n	NIST Traceability	
		Mean	Recovery ⁵		SRM Number	Recovery
	mg/kg	mg/kg	%			%
Silver	34.6	34.3	99.3	216	-	-
Sodium	161	145	89.8	166	-	-
Strontium	104	104	99.9	148	-	-
Thallium	123	113	91.8	215	-	-
Tin	118	107	90.4	164	-	-
Titanium	512	421	82.2	157	-	-
Uranium	103	104	101	61	-	-
Vanadium	87.3	83.7	95.9	214	-	-
Zinc	251	240	95.5	234	-	-

1. The **Certified Values** are the actual "made-to" concentrations confirmed by ERA analytical verification. The certified values are monitored and purchasers will be notified of any significant changes resulting in recertification or withdrawal of this reference material during the period of validity of this certificate.

2. The **Uncertainty** is the total propagated uncertainty at the 95% confidence interval. The uncertainty is based on the preparation and internal analytical verification of the product by ERA, multiplied by a coverage factor. The uncertainty applies to the product as supplied and does not take into account any required or optional dilution and/or preparations the laboratory may perform while using this product.

3. The **QC Performance Acceptance Limits (QC PALs™)** are based on actual historical data collected in ERA's Proficiency Testing program. The QC PALs™ reflect any inherent biases in the methods used to establish the limits and closely approximate a 95% confidence interval of the performance that experienced laboratories should achieve using accepted environmental methods. Use the QC PALs™ to realistically evaluate your performance against your peers.

4. The **PT Performance Acceptance Limits (PT PALs™)** are calculated using the regression equations and fixed acceptance criteria specified in the NELAC proficiency testing requirements. Use the PT PALs™ when analyzing this QC standard alongside USEPA and NELAC compliant PT standards. Please note that many PT study acceptance limits are concentration dependent (some non-linearly) and, therefore, the acceptance limits of this QC standard and any PT standard may differ relative to their difference in concentrations.

5. The **PT Data/Traceability** data include the mean value, percent recovery and number of data points reported by the laboratories in our Proficiency Testing study compared to the Certified Values. In addition, where NIST Standard Reference Materials (SRMs) are available, each analyte has been analytically traced to the NIST SRM listed. This product is traceable to the lot numbers of its starting materials. All gravimetric and volumetric measurements related to its manufacture are traceable to NIST through an unbroken chain of comparisons.

Traceability Recovery (%) = [(% recovery certified standard)/(% recovery NIST SRM)]*100

The traceability data shown were compiled by analyzing the ERA standards or their associated stock solutions against the applicable NIST SRMs.

6. For additional information on this product such as intended use, instructions for use, level of homogeneity, and safety information, please refer to the provided Instruction Sheet

If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or send an email to info@eraqc.com.

Certifying Officer

Brian Miller

Quality Officer

Matthew Seebeck



ISO/IEC 17025:2005
ISO/IEC 17025:2005

REFERENCE MATERIAL PROVIDER
CERTIFICATE NO. 153923
CHEMICAL TESTING LABORATORY
CERTIFICATE NO. 159102

Page 3 of 3 Lot: D105-540

▪ Certificate of Analysis ▪

Product: Metals in Soil
Catalog Number: 540
Lot No. D109-540
Certificate Issue Date: March 24, 2020
Expiration Date: October 03, 2023
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 090119.

CERTIFICATION

Parameter	Certified Value ¹	Reference Value ⁷	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	10100	8130	2.54	3920 - 12300	4060 - 12200
Antimony	259	134	5.03	4.56 - 264	25.9 - 335
Arsenic	171	156	3.38	129 - 183	109 - 203
Barium	253	239	4.81	197 - 280	179 - 298
Beryllium	179	169	6.59	141 - 198	127 - 212
Boron	114	87.5	10.3	62.5 - 113	52.5 - 125
Cadmium	149	137	5.43	113 - 160	103 - 171
Calcium	5190	4760	3.48	3890 - 5640	3460 - 6070
Chromium	163	154	3.79	126 - 181	108 - 200
Cobalt	127	121	5.07	101 - 141	90.8 - 151
Copper	57.0	54.9	4.13	46.1 - 63.6	41.1 - 68.6
Iron	15000	14100	6.27	8470 - 19700	4920 - 23200
Lead	133	130	3.00	107 - 152	93.3 - 167
Magnesium	2570	2320	3.32	1760 - 2880	1440 - 3200
Manganese	277	269	2.67	221 - 317	199 - 340
Mercury	21.6	20.5	7.72	14.7 - 26.3	12.3 - 28.6
Molybdenum	108	95.4	2.61	76.4 - 114	66.9 - 124
Nickel	58.7	53.9	4.97	44.5 - 63.3	37.7 - 70.0
Potassium	2420	2020	3.06	1410 - 2630	1190 - 2850
Selenium	181	167	5.63	132 - 201	113 - 221
Silver	35.5	33.6	5.20	26.8 - 40.3	23.0 - 44.1
Sodium	161	133	2.76	95.1 - 171	46.5 - 220
Strontium	89.7	87.9	4.59	71.7 - 104	62.8 - 113
Thallium	121	112	5.19	90.3 - 133	76.1 - 147

Certified Reference Material

▪ Certificate of Analysis ▪

Parameter	Certified Value ¹	Reference Value ⁷	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Tin	83.5	74.0	5.42	57.6 - 90.4	39.7 - 108
Titanium	474	333	7.17	48.6 - 617	46.3 - 620
Uranium	51.9	51.9	3.36	39.6 - 64.3	35.9 - 68.0
Vanadium	68.1	62.6	6.00	49.4 - 75.8	37.0 - 88.3
Zinc	165	158	2.34	128 - 188	111 - 205

▪ Certificate of Analysis ▪

ANALYTICAL VERIFICATION

Parameter	Certified Value ¹	Proficiency Testing Study		n	NIST Traceability	
		Mean	Recovery ⁵		SRM Number ⁶	Recovery
	mg/kg	mg/kg	%			%
Aluminum	10100	8130	80.5	196	-	-
Antimony	259	134	51.8	217	-	-
Arsenic	171	156	91.3	243	-	-
Barium	253	239	94.3	230	-	-
Beryllium	179	169	94.6	223	-	-
Boron	114	87.5	76.7	150	-	-
Cadmium	149	137	91.8	249	-	-
Calcium	5190	4760	91.8	184	-	-
Chromium	163	154	94.4	245	-	-
Cobalt	127	121	95.3	221	-	-
Copper	57.0	54.9	96.2	243	-	-
Iron	15000	14100	93.9	199	-	-
Lead	133	130	97.7	251	-	-
Magnesium	2570	2320	90.1	182	-	-
Manganese	277	269	97.2	220	-	-
Mercury	21.6	20.5	94.7	172	-	-
Molybdenum	108	95.4	88.3	218	-	-
Nickel	58.7	53.9	91.8	242	-	-
Potassium	2420	2020	83.5	187	-	-
Selenium	181	167	92.2	235	-	-
Silver	35.5	33.6	94.5	222	-	-
Sodium	161	133	82.7	177	-	-
Strontium	89.7	87.9	98.0	151	-	-
Thallium	121	112	92.2	219	-	-
Tin	83.5	74.0	88.6	170	-	-
Titanium	474	333	70.3	157	-	-
Uranium	51.9	51.9	100	60	-	-
Vanadium	68.1	62.6	91.9	213	-	-
Zinc	165	158	95.8	238	-	-

▪ Certificate of Analysis ▪

1. The **Certified Values** are the actual gravimetric/volumetric "made-to" concentrations confirmed by ERA analytical verification. The certified values are monitored and purchasers will be notified of any significant changes resulting in recertification or withdrawal of this certified reference material during the period of validity of this certificate.

2. The **Uncertainty** represents an expanded uncertainty and approximates a 95% confidence interval. The uncertainty is based on the characterization, homogeneity and stability characteristics of the product, multiplied by a coverage factor ($k=2$). The uncertainty applies to the product as supplied and does not take into account any required or optional dilution and/or preparations the laboratory may perform while using this product. The formula used to calculate the expanded uncertainty is:

$$U_{\text{expanded}} = k * \text{SQRT}((U_{\text{char}})^2 + (U_{\text{homogen}})^2 + (U_{\text{LTS}})^2 + (U_{\text{STS}})^2 + (U_{\text{RSS}})^2)$$

Where:

U_{expanded} = Expanded uncertainty.

k = Coverage factor.

U_{char} = Combined standard uncertainty of the manufacturing and/or analytical verification assessment.

U_{homogen} = Standard uncertainty of the homogeneity assessment.

U_{LTS} = Standard uncertainty associated with long-term stability.

U_{STS} = Standard uncertainty associated with short-term (transport) stability.

U_{RSS} = Standard uncertainty associated with repeated sampling of the product (where permitted by product use instructions).

3. The **QC Performance Acceptance Limits (QC PALs™)** are based on actual historical data collected in ERA's Proficiency Testing program. The QC PALs™ reflect any inherent biases in the methods used to establish the limits and closely approximate a 95% confidence interval of the performance that experienced laboratories should achieve using accepted environmental methods. Use the QC PALs™ to realistically evaluate your performance against your peers.

4. The **PT Performance Acceptance Limits (PT PALs™)** are calculated using the regression equations and fixed acceptance criteria specified in the NELAP proficiency testing requirements. Use the PT PALs™ when analyzing this certified reference material alongside USEPA and NELAP compliant PT study materials. Please note that many PT study acceptance limits are concentration dependent (some non-linearly) and therefore, the acceptance limits of this certified reference material and any PT study material may differ relative to their difference in concentrations.

5. The **PT Performance Data** include the mean value, percent recovery and number of data points reported by laboratories in our Proficiency Testing study compared to the Certified Values. In the event this lot was not used in a proficiency testing scheme, the data displayed was generated internally by ERA.

6. Where NIST Standard Reference Materials (SRMs) are available, each analyte has been analytically traced to the NIST SRM listed. **Analytical Traceability Recovery (%)** = $[(\% \text{ recovery ERA certified reference material}) / (\% \text{ recovery NIST SRM})] * 100$

The traceability data shown were compiled by analyzing this ERA certified reference material and/or its associated stock solution(s) against the applicable NIST SRMs.

7. The **Reference Values** are equal to the mean recoveries for the parameters as determined in an interlaboratory round robin study. The **Reference Values** represent the expected performance for the analytes in this standard. ERA recommends using the **Reference Values** when assessing or evaluating your results.

8. **Metrological Traceability.** This certified reference material is metrologically traceable to NIST mass reference materials through an unbroken chain of comparisons.

9. For additional information on this product such as intended use, storage information, instructions for use, minimum sample size, and safety information, please refer to the Product Use Instructions provided.

If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or send an email to info@eraqc.com.

Certifying Officer

Brian Miller

Quality Officer

Matthew Seebeck

Brian Miller

Matthew Seebeck





A Waters Company

Certified Reference Material

▪ Certificate of Analysis ▪

Product: Metals in Soil
Catalog Number: 540
Lot No. D113-540
Certificate Issue Date: March 23, 2021
Expiration Date: October 13, 2024
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 090119.

CERTIFICATION



Parameter	Certified Value ¹	Reference Value	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	10100	8630	12.0	4420 - 12800	4370 - 12900
Antimony	256	129	16.8	0.742 - 257	25.6 - 323
Arsenic	91.6	84.5	15.1	70.0 - 99.0	59.2 - 110
Barium	259	249	9.94	206 - 292	187 - 311
Beryllium	175	163	3.89	135 - 191	122 - 204
Boron	95.7	76.7	12.8	55.7 - 97.7	48.0 - 107
Cadmium	107	99.0	11.5	82.2 - 116	74.2 - 124
Calcium	5190	4760	11.8	3890 - 5640	3460 - 6070
Chromium	129	122	14.6	101 - 144	85.7 - 159
Cobalt	63.6	61.7	11.5	51.9 - 71.6	46.3 - 77.2
Copper	62.3	61.5	12.3	51.9 - 71.0	46.1 - 76.8
Iron	15000	14500	15.7	8860 - 20100	5190 - 23800
Lead	122	123	13.9	103 - 144	88.3 - 158
Lithium	6.42	7.30	18.7	5.13 - 9.48	3.20 - 11.4
Magnesium	2570	2360	8.87	1810 - 2920	1480 - 3250
Manganese	470	456	13.4	375 - 538	350 - 563
Mercury	22.1	18.9	14.5	13.0 - 24.8	11.3 - 26.4
Molybdenum	80.1	72.8	11.0	58.7 - 87.0	50.5 - 95.2
Nickel	143	135	14.2	112 - 158	94.7 - 176
Potassium	2420	2090	8.21	1480 - 2700	1240 - 2940
Selenium	128	121	11.7	96.9 - 146	80.4 - 162
Silver	45.4	44.1	6.69	35.5 - 52.8	30.7 - 57.6
Sodium	161	136	9.34	97.4 - 174	48.1 - 223
Strontium	82.2	82.3	8.42	67.4 - 97.1	58.6 - 106

Page 1 of 4 Lot: D113-540

16341 Table Mountain Pkwy ▪ Golden, CO 80403 ▪ T: 800.372.0122 ▪ 303.431.8454 ▪ www.eraqc.com

Certified Reference Material

▪ Certificate of Analysis ▪

Parameter	Certified Value ¹	Reference Value	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Thallium	154	144	7.54	117 - 171	101 - 187
Tin	89.7	79.8	14.0	62.2 - 97.4	43.5 - 116
Titanium	705	546	10.3	123 - 969	118 - 974
Uranium	29.5	30.9	3.38	23.9 - 37.9	21.3 - 40.5
Vanadium	196	186	14.2	148 - 224	138 - 235
Zinc	307	295	10.4	240 - 351	207 - 384

Calculation of 6010B Metals

Aqueous Samples

The instrument will calculate the concentration ($\mu\text{g/L}$). This value is divided by 1000 to convert the units to mg/L . If the sample is diluted (DF), the result is multiplied by the DF to generate the final result.

$$\text{Result, mg/L} = C_s \times (1\text{mg}/1000\mu\text{g}) \times (\text{DF})$$

Where:

C_s = Concentration of sample ($\mu\text{g/L}$)

DF = Dilution Factor

Soil or Solid Samples

Soil samples are calculated as follows:

$$\text{Result, mg/Kg} = \frac{C_s \times (1\text{mg}/1000\mu\text{g}) \times (\text{DF})}{A}$$

Where:

C_s = Concentration of sample ($\mu\text{g/L}$)

DF = Dilution Factor

$$A = \frac{\text{Sample weight (grams)}}{\text{Final Volume (mL)}}$$

Dry weight correction

Dry weight correction is calculated as follows:

$$\text{Final concentration in mg/Kg, dry weight} = \frac{\text{Result, mg/Kg}}{\%_{\text{solids}}}$$

Where:

$\%_{\text{solids}}$ = Percent Solids, as a decimal value

Sequence Trace 9

7/1/2025 9:32:36 AM



LabBook: WG2085082_06302025T9.imexp

Summary

Index	Label	Rack	Vial	Started at
1	XBlank DMC Trace9	0	1	6/30/2025 5:45:23 AM
2	Blank DMC Trace9	0	1	6/30/2025 5:51:21 AM
3	ICAL	0	2	6/30/2025 5:54:24 AM
4	ICV	0	3	6/30/2025 5:57:35 AM
5	ICB	0	4	6/30/2025 6:00:47 AM
6	ICV	0	10	6/30/2025 6:22:46 AM
7	ICB	0	4	6/30/2025 6:26:08 AM
8	LLOQ	0	5	6/30/2025 6:29:21 AM
9	ICSA	0	6	6/30/2025 6:32:35 AM
10	SIC Multi	0	7	6/30/2025 6:37:50 AM
11	LDR Check	0	8	6/30/2025 6:41:04 AM
12	LLOQ 0.05	1	1	6/30/2025 7:14:15 AM
13	LLOQ 0.100	1	2	6/30/2025 7:17:37 AM
14	LDR 5PPM AS	1	3	6/30/2025 7:20:48 AM
15	LDR 50PPM PB	1	4	6/30/2025 7:23:59 AM
16	XLDR 500PPM NA	1	5	6/30/2025 7:27:10 AM
17	CCV	0	3	6/30/2025 7:54:29 AM
18	CCB	0	4	6/30/2025 7:57:53 AM
19	WG2083283-1 WG2083283	1	6	6/30/2025 8:17:18 AM
20	WG2083283-2 WG2083283	1	7	6/30/2025 8:20:37 AM
21	XLDR 250 Na	1	19	6/30/2025 8:23:49 AM
22	L2538013-02 WG2083283	1	13	6/30/2025 8:27:01 AM
23	L2538013-03 WG2083283	1	14	6/30/2025 8:30:12 AM
24	L2538013-01 WG2083283	1	8	6/30/2025 8:33:22 AM
25	WG2083283-3 WG2083283	1	9	6/30/2025 8:36:35 AM
26	WG2083283-4 WG2083283	1	10	6/30/2025 8:39:48 AM
27	WG2083283-5 WG2083283	1	11	6/30/2025 8:43:01 AM
28	WG2083283-6D5 WG2083283	1	12	6/30/2025 8:46:14 AM
29	CCV	0	3	6/30/2025 8:49:28 AM
30	CCB	0	4	6/30/2025 8:52:40 AM
31	L2538013-04 WG2083283	1	15	6/30/2025 8:55:54 AM
32	L2538013-05 WG2083283	1	16	6/30/2025 8:59:05 AM
33	L2538013-06 WG2083283	1	17	6/30/2025 9:02:16 AM
34	L2538013-07 WG2083283	1	18	6/30/2025 9:05:28 AM
35	CCV	0	3	6/30/2025 9:08:40 AM
36	CCB	0	4	6/30/2025 9:11:53 AM
37	WG2085097-1 WG2085097	1	21	6/30/2025 9:53:26 AM
38	WG2085097-2 WG2085097	1	22	6/30/2025 9:56:51 AM
39	WG2085097-3 WG2085097	1	23	6/30/2025 10:00:04 AM
40	WG2083152-2 WG2083152	1	20	6/30/2025 10:03:17 AM
41	L2540464-01 WG2085097	1	24	6/30/2025 10:06:30 AM
42	L2540464-02 WG2085097	1	25	6/30/2025 10:09:43 AM
43	L2540464-03 WG2085097	1	26	6/30/2025 10:12:54 AM
44	L2540464-04 WG2085097	1	27	6/30/2025 10:16:05 AM
45	L2540464-05 WG2085097	1	28	6/30/2025 10:19:16 AM
46	L2540464-06 WG2085097	1	29	6/30/2025 10:22:27 AM
47	CCV	0	3	6/30/2025 10:25:39 AM
48	CCB	0	4	6/30/2025 10:28:52 AM
49	L2540464-08 WG2085097	1	30	6/30/2025 10:38:35 AM
50	L2540464-09 WG2085097	1	31	6/30/2025 10:41:53 AM
51	L2540464-10 WG2085097	1	32	6/30/2025 10:45:06 AM
52	L2540464-11 WG2085097	1	33	6/30/2025 10:48:19 AM
53	L2540464-12 WG2085097	1	34	6/30/2025 10:51:32 AM
54	L2540464-13 WG2085097	1	35	6/30/2025 10:54:45 AM
55	CCV	0	3	6/30/2025 10:57:58 AM
56	CCB	0	4	6/30/2025 11:01:11 AM
57	WG2082820-1 WG2082820	1	36	6/30/2025 12:17:05 PM
58	WG2082820-2D2 WG2082820	1	37	6/30/2025 12:20:32 PM
59	L2535894-02D2 WG2082820	1	43	6/30/2025 12:23:44 PM
60	L2535895-04D2 WG2082820	1	44	6/30/2025 12:26:56 PM
61	L2536165-01D2 WG2082820	1	45	6/30/2025 12:30:08 PM
62	L2535894-01D2 WG2082820	1	38	6/30/2025 12:33:21 PM
63	WG2082820-3D2 WG2082820	1	39	6/30/2025 12:36:32 PM
64	WG2082820-4D2 WG2082820	1	40	6/30/2025 12:39:44 PM
65	WG2082820-5D2 WG2082820	1	41	6/30/2025 12:42:55 PM
66	WG2082820-6D10 WG2082820	1	42	6/30/2025 12:46:07 PM
67	CCV	0	3	6/30/2025 12:49:18 PM
68	CCB	0	4	6/30/2025 12:52:31 PM

Sequence Trace 9

7/1/2025 9:32:36 AM



Index	Label	Rack	Vial	Started at
69	L2536176-01D2 WG2082820	1	46	6/30/2025 12:56:08 PM
70	L2536176-02D2 WG2082820	1	47	6/30/2025 12:59:21 PM
71	L2536289-01D2 WG2082820	1	48	6/30/2025 1:02:34 PM
72	L2536294-03D2 WG2082820	1	49	6/30/2025 1:05:48 PM
73	L2536294-04D2 WG2082820	1	50	6/30/2025 1:09:00 PM
74	L2536294-05D2 WG2082820	1	51	6/30/2025 1:12:11 PM
75	L2536338-01D2 WG2082820	1	52	6/30/2025 1:15:23 PM
76	L2536338-02D2 WG2082820	1	53	6/30/2025 1:18:35 PM
77	L2536338-03D2 WG2082820	1	54	6/30/2025 1:21:47 PM
78	L2537937-01D2 WG2082820	1	55	6/30/2025 1:24:59 PM
79	CCV	0	3	6/30/2025 1:28:12 PM
80	CCB	0	4	6/30/2025 1:31:25 PM
81	L2537937-02D2 WG2082820	1	56	6/30/2025 2:03:11 PM
82	eL2537937-03D2 WG2082820	1	57	6/30/2025 2:06:30 PM
83	L2537937-04D2 WG2082820	1	58	6/30/2025 2:09:43 PM
84	eL2537937-05D2 WG2082820	1	59	6/30/2025 2:12:57 PM
85	eL2537937-06D2 WG2082820	1	60	6/30/2025 2:16:10 PM
86	L2537970-01D2 WG2082820	2	1	6/30/2025 2:19:25 PM
87	CCV	0	3	6/30/2025 2:22:38 PM
88	CCB	0	4	6/30/2025 2:25:52 PM
89	LDR 1000 Ca	2	2	6/30/2025 3:00:14 PM
90	LDR 400 Fe pass	2	3	6/30/2025 3:03:33 PM
91	LDR 600 Al pass	2	4	6/30/2025 3:06:47 PM
92	L2537937-03d4 WG2082820	2	5	6/30/2025 3:46:56 PM
93	L2537937-05d4 WG2082820	2	6	6/30/2025 3:50:22 PM
94	L2537937-06d4 WG2082820	2	7	6/30/2025 3:53:35 PM
95	CCV	0	3	6/30/2025 3:56:47 PM
96	CCB	0	4	6/30/2025 4:00:00 PM
97	WG2085201-1 WG2085201	2	8	6/30/2025 4:13:55 PM
98	WG2085201-2 WG2085201	2	9	6/30/2025 4:17:14 PM
99	L2537636-01 WG2085201	2	15	6/30/2025 4:20:27 PM
100	L2540851-01 WG2085201	2	16	6/30/2025 4:23:40 PM
101	L2537415-01 WG2085201	2	10	6/30/2025 4:26:53 PM
102	WG2085201-3 WG2085201	2	11	6/30/2025 4:30:07 PM
103	WG2085201-4 WG2085201	2	12	6/30/2025 4:33:20 PM
104	WG2085201-5 WG2085201	2	13	6/30/2025 4:36:34 PM
105	WG2085201-6d5 WG2085201	2	14	6/30/2025 4:39:48 PM
106	CCV	0	3	6/30/2025 4:44:26 PM
107	CCB	0	4	6/30/2025 4:47:45 PM
108	xLDR 600 Fe	2	17	6/30/2025 5:54:24 PM
109	L2537937-03d8 WG2082820	2	44	6/30/2025 6:22:31 PM
110	L2537937-05d8 WG2082820	2	45	6/30/2025 6:25:50 PM
111	L2537937-06d20 WG2082820	2	46	6/30/2025 6:29:04 PM
112	L2536204-01d2 WG2082696	2	25	6/30/2025 6:32:17 PM
113	L2537908-01d2 WG2082696	2	20	6/30/2025 6:35:30 PM
114	WG2082696-3d2 WG2082696	2	21	6/30/2025 6:38:44 PM
115	WG2082696-4d2 WG2082696	2	22	6/30/2025 6:41:57 PM
116	WG2082696-5d2 WG2082696	2	23	6/30/2025 6:45:11 PM
117	WG2082696-6d10 WG2082696	2	24	6/30/2025 6:48:24 PM
118	CCV	0	3	6/30/2025 6:51:38 PM
119	CCB	0	4	6/30/2025 6:54:52 PM
120	WG2082696-1 WG2082696	2	18	6/30/2025 8:00:11 PM
121	WG2082696-2D2 WG2082696	2	19	6/30/2025 8:03:37 PM
122	xLDR 300 Na	2	47	6/30/2025 8:35:05 PM
123	L2536204-02d2 WG2082696	2	26	6/30/2025 8:38:25 PM
124	L2536204-03d2 WG2082696	2	27	6/30/2025 8:41:39 PM
125	L2536204-04d2 WG2082696	2	28	6/30/2025 8:44:52 PM
126	L2536204-05d2 WG2082696	2	29	6/30/2025 8:48:06 PM
127	L2536204-06d2 WG2082696	2	30	6/30/2025 8:51:19 PM
128	LDR 100 Na pass	2	48	6/30/2025 8:56:05 PM
129	L2537908-02d2 WG2082696	2	31	6/30/2025 8:59:19 PM
130	CCV	0	3	6/30/2025 9:04:36 PM
131	CCB	0	4	6/30/2025 9:07:49 PM
132	LDR 5 Sn	2	49	6/30/2025 9:19:43 PM
133	L2537908-04d2 WG2082696	2	33	6/30/2025 9:23:12 PM
134	L2537908-05d2 WG2082696	2	34	6/30/2025 9:28:26 PM
135	L2537908-06d2 WG2082696	2	35	6/30/2025 9:33:25 PM
136	L2537942-01d2 WG2082696	2	36	6/30/2025 9:36:46 PM
137	L2537942-02d2 WG2082696	2	37	6/30/2025 9:40:01 PM
138	L2537942-03d2 WG2082696	2	38	6/30/2025 9:43:14 PM
139	L2537942-04d2 WG2082696	2	39	6/30/2025 9:46:28 PM
140	L2537942-05d2 WG2082696	2	40	6/30/2025 9:49:42 PM
141	L2537942-06d2 WG2082696	2	41	6/30/2025 9:52:56 PM
142	CCV	0	3	6/30/2025 9:56:10 PM

Sequence Trace 9

7/1/2025 9:32:36 AM



Index	Label	Rack	Vial	Started at
143	CCB	0	4	6/30/2025 9:59:23 PM
144	L2537908-03d2 WG2082696	2	32	6/30/2025 10:08:08 PM
145	eL2537942-07d2 WG2082696	2	42	6/30/2025 10:11:27 PM
146	eL2537942-08d2 WG2082696	2	43	6/30/2025 10:14:42 PM
147	L2536123-01 WG2082423	2	54	6/30/2025 10:17:55 PM
148	L2536233-01 WG2082423	2	55	6/30/2025 10:21:09 PM
149	L2536458-01 WG2082423	2	56	6/30/2025 10:24:24 PM
150	L2536104-02 WG2082423	2	50	6/30/2025 10:27:38 PM
151	WG2082423-7 WG2082423	2	51	6/30/2025 10:30:52 PM
152	WG2082423-8 WG2082423	2	52	6/30/2025 10:34:06 PM
153	xWG2082423-9 WG2082423	2	53	6/30/2025 10:37:19 PM
154	CCV	0	3	6/30/2025 10:40:33 PM
155	CCB	0	4	6/30/2025 10:43:47 PM
156	L2536458-02 WG2082423	2	57	6/30/2025 10:47:01 PM
157	WG2082423-9 WG2082423	3	9	6/30/2025 10:50:29 PM
158	L2536462-01 WG2082423	2	58	6/30/2025 10:53:43 PM
159	L2536782-01 WG2082423	2	59	6/30/2025 10:56:57 PM
160	L2536782-02 WG2082423	2	60	6/30/2025 11:00:11 PM
161	L2536926-01 WG2082423	3	1	6/30/2025 11:03:26 PM
162	L2536926-02 WG2082423	3	2	6/30/2025 11:06:41 PM
163	L2537038-01 WG2082423	3	3	6/30/2025 11:09:56 PM
164	L2537047-01 WG2082423	3	4	6/30/2025 11:13:11 PM
165	L2537942-02d4 WG2082696	3	5	6/30/2025 11:16:26 PM
166	CCV	0	3	6/30/2025 11:19:41 PM
167	CCB	0	4	6/30/2025 11:22:54 PM
168	L2537942-05d4 WG2082696	3	6	6/30/2025 11:26:08 PM
169	L2537942-07d10 WG2082696	3	7	6/30/2025 11:29:23 PM
170	L2537942-08d4 WG2082696	3	8	6/30/2025 11:32:38 PM
171	CCV	0	3	6/30/2025 11:35:52 PM
172	CCB	0	4	6/30/2025 11:39:06 PM
173	CCV	0	10	6/30/2025 11:42:21 PM
174	CCB	0	4	6/30/2025 11:45:39 PM

Sequence Trace 5

7/1/2025 12:14:59 PM



LabBook: WG2085078_06302025T5.imexp

Index:	Label:	Rack	Vial	Start time:
1	Blank DHL Trace5	0	1	6/30/2025 5:42:44 AM
2	ICAL	0	2	6/30/2025 5:49:09 AM
3	ICV	0	3	6/30/2025 5:55:55 AM
4	ICB	0	4	6/30/2025 6:02:01 AM
5	ICV	0	10	6/30/2025 6:08:27 AM
6	ICB	0	4	6/30/2025 6:14:38 AM
7	LLOQ RL	0	5	6/30/2025 6:21:04 AM
8	ICSA	0	6	6/30/2025 6:27:30 AM
9	SIC Multi	0	7	6/30/2025 6:34:16 AM
10	LDR Check	0	8	6/30/2025 6:41:12 AM
11	IEC 500 Al -Pb	1	1	6/30/2025 6:58:49 AM
12	IEC 200 Fe +As	1	2	6/30/2025 7:06:13 AM
13	TEST ICV 0716DHL	1	3	6/30/2025 7:23:52 AM
14	CCV	0	3	6/30/2025 7:29:58 AM
15	CCB	0	4	6/30/2025 7:36:04 AM
16	WG2084485-1 WG2084485	1	4	6/30/2025 7:47:58 AM
17	WG2084485-2D2 WG2084485	1	5	6/30/2025 7:54:23 AM
18	WG2084485-3D2 WG2084485	1	6	6/30/2025 8:00:27 AM
19	I2540464-01D2 WG2084485	1	11	6/30/2025 8:06:32 AM
20	I2540464-02D2 WG2084485	1	12	6/30/2025 8:12:47 AM
21	I2540464-03D2 WG2084485	1	13	6/30/2025 8:19:02 AM
22	I2540464-04D2 WG2084485	1	14	6/30/2025 8:25:15 AM
23	I2540464-05D2 WG2084485	1	15	6/30/2025 8:31:28 AM
24	I2540464-06D2 WG2084485	1	16	6/30/2025 8:37:41 AM
25	I2540464-08D2 WG2084485	1	17	6/30/2025 8:43:54 AM
26	CCV	0	3	6/30/2025 8:50:08 AM
27	CCB	0	4	6/30/2025 8:56:15 AM
28	I2540464-09D2 WG2084485	1	18	6/30/2025 9:06:10 AM
29	I2540464-10D2 WG2084485	1	19	6/30/2025 9:12:23 AM
30	I2540464-11D2 WG2084485	1	20	6/30/2025 9:18:37 AM
31	I2540464-12D2 WG2084485	1	21	6/30/2025 9:24:52 AM
32	I2540464-13D2 WG2084485	1	22	6/30/2025 9:31:08 AM
33	I2538429-01D2 WG2084485	1	7	6/30/2025 9:37:23 AM
34	I2538429-02D2 WG2084485	1	8	6/30/2025 9:43:52 AM
35	I2538429-03D2 WG2084485	1	9	6/30/2025 9:50:06 AM
36	I2538429-04D2 WG2084485	1	10	6/30/2025 9:56:36 AM
37	CCV	0	3	6/30/2025 10:02:57 AM
38	CCB	0	4	6/30/2025 10:09:04 AM
39	CCV	0	3	6/30/2025 10:25:51 AM
40	CCB	0	4	6/30/2025 10:31:58 AM
41	L2535700-02d2 WG2078476	1	23	6/30/2025 11:41:48 AM
42	L2535761-01 WG2079886	1	24	6/30/2025 11:48:08 AM
43	WG2079886-7 WG2079886	1	25	6/30/2025 11:54:32 AM
44	WG2079886-8 WG2079886	1	26	6/30/2025 12:00:42 PM
45	WG2079886-9 WG2079886	1	27	6/30/2025 12:07:03 PM
46	WG2079886-10d5 WG2079886	1	28	6/30/2025 12:13:15 PM
47	L2534177-01 WG2079886	1	29	6/30/2025 12:19:38 PM
48	L2535813-01 WG2079886	1	30	6/30/2025 12:26:33 PM
49	L2535878-01 WG2079886	1	31	6/30/2025 12:32:55 PM
50	CCV	0	3	6/30/2025 12:39:13 PM
51	CCB	0	4	6/30/2025 12:45:20 PM
52	L2535965-01 WG2079886	1	32	6/30/2025 1:07:32 PM
53	L2535966-01 WG2079886	1	33	6/30/2025 1:13:52 PM
54	L2535966-02 WG2079886	1	34	6/30/2025 1:20:14 PM
55	CCV	0	3	6/30/2025 1:26:36 PM
56	CCB	0	4	6/30/2025 1:32:43 PM
57	WG2085313-1 WG2085313	1	35	6/30/2025 2:53:12 PM
58	WG2085257-1 WG2085257	1	40	6/30/2025 2:59:45 PM
59	WG2085257-2 WG2085257	1	41	6/30/2025 3:07:44 PM
60	WG2085313-2 WG2085313	1	36	6/30/2025 3:13:57 PM
61	L2540814-01 WG2085313	1	37	6/30/2025 3:20:10 PM
62	WG2085313-3 WG2085313	1	38	6/30/2025 3:26:40 PM
63	WG2085313-4 WG2085313	1	39	6/30/2025 3:33:06 PM
64	CCV	0	3	6/30/2025 3:39:35 PM
65	CCB	0	4	6/30/2025 3:45:42 PM
66	I2539492-02 WG2085257	1	42	6/30/2025 4:15:44 PM
67	WG2085257-3 WG2085257	1	43	6/30/2025 4:22:07 PM
68	WG2085257-4 WG2085257	1	44	6/30/2025 4:28:28 PM
69	WG2085257-5 WG2085257	1	45	6/30/2025 4:34:51 PM
70	WG2085257-6d5 WG2085257	1	46	6/30/2025 4:41:14 PM
71	CCV	0	3	6/30/2025 4:47:34 PM
72	CCB	0	4	6/30/2025 4:53:41 PM

Sequence Trace 5

7/1/2025 12:14:59 PM



Index:	Label:	Rack	Vial	Start time:
73	WG2082032-1 WG2082032	1	47	6/30/2025 5:32:24 PM
74	WG2082032-2 WG2082032	1	48	6/30/2025 5:38:49 PM
75	L2536247-01 WG2082032	1	49	6/30/2025 5:45:05 PM
76	L2536247-02 WG2082032	1	50	6/30/2025 5:51:26 PM
77	WG2085201-2 WG2085201	1	56	6/30/2025 6:04:24 PM
78	CCV	0	3	6/30/2025 6:10:38 PM
79	CCB	0	4	6/30/2025 6:16:45 PM
80	L2536247-03 WG2082032	1	51	6/30/2025 6:34:14 PM
81	L2536247-04 WG2082032	1	52	6/30/2025 6:40:34 PM
82	L2536247-05 WG2082032	1	53	6/30/2025 6:46:54 PM
83	L2536247-06 WG2082032	1	54	6/30/2025 6:53:14 PM
84	L2536247-07 WG2082032	1	55	6/30/2025 6:59:35 PM
85	CCV	0	3	6/30/2025 7:05:56 PM
86	CCB	0	4	6/30/2025 7:12:03 PM
87	xno sample	1	57	6/30/2025 7:45:35 PM
88	WG2082283-1 WG2082283	1	57	6/30/2025 7:49:53 PM
89	WG2082283-2 WG2082283	1	58	6/30/2025 7:56:17 PM
90	L2536229-01 WG2082283	2	9	6/30/2025 8:02:32 PM
91	L2536247-02 WG2082283	2	10	6/30/2025 8:09:01 PM
92	L2536247-03 WG2082283	2	11	6/30/2025 8:15:22 PM
93	L2536247-01 WG2082283	1	59	6/30/2025 8:21:44 PM
94	WG2082283-3 WG2082283	1	60	6/30/2025 8:28:06 PM
95	WG2082283-4 WG2082283	2	1	6/30/2025 8:34:20 PM
96	WG2082283-5 WG2082283	2	2	6/30/2025 8:40:42 PM
97	WG2082283-6d5 WG2082283	2	3	6/30/2025 8:46:55 PM
98	CCV	0	3	6/30/2025 8:53:17 PM
99	CCB	0	4	6/30/2025 8:59:25 PM
100	L2536247-05 WG2082283	2	13	6/30/2025 9:18:44 PM
101	L2536247-06 WG2082283	2	14	6/30/2025 9:25:04 PM
102	L2536247-07 WG2082283	2	15	6/30/2025 9:31:26 PM
103	L2536247-08 WG2082283	2	16	6/30/2025 9:37:46 PM
104	L2536247-04 WG2082283	2	12	6/30/2025 9:44:18 PM
105	L2536247-12 WG2082283	2	4	6/30/2025 9:50:41 PM
106	WG2082283-7 WG2082283	2	5	6/30/2025 9:57:02 PM
107	WG2082283-8 WG2082283	2	6	6/30/2025 10:03:12 PM
108	WG2082283-9 WG2082283	2	7	6/30/2025 10:09:26 PM
109	WG2082283-10d5 WG2082283	2	8	6/30/2025 10:15:36 PM
110	CCV	0	3	6/30/2025 10:21:58 PM
111	CCB	0	4	6/30/2025 10:28:05 PM
112	L2536247-09 WG2082283	2	17	6/30/2025 10:40:12 PM
113	L2536247-10 WG2082283	2	18	6/30/2025 10:46:32 PM
114	L2536247-11 WG2082283	2	19	6/30/2025 10:52:53 PM
115	L2536247-13 WG2082283	2	20	6/30/2025 10:59:13 PM
116	L2536247-14 WG2082283	2	21	6/30/2025 11:05:34 PM
117	L2536247-15 WG2082283	2	22	6/30/2025 11:11:56 PM
118	L2536247-16 WG2082283	2	23	6/30/2025 11:18:18 PM
119	L2536247-17 WG2082283	2	24	6/30/2025 11:24:41 PM
120	L2536247-18 WG2082283	2	25	6/30/2025 11:31:04 PM
121	L2536247-20 WG2082283	2	26	6/30/2025 11:37:24 PM
122	CCV	0	3	6/30/2025 11:43:46 PM
123	CCB	0	4	6/30/2025 11:49:54 PM
124	CCV	0	10	6/30/2025 11:56:21 PM
125	CCB	0	4	7/1/2025 12:02:32 AM

Sequence Trace 5

7/1/2025 7:33:49 PM



LabBook: WG2085564_07012025T5.imexp

Index:	Label:	Rack	Vial	Start time:
1	Blank DMC Trace5	0	1	7/1/2025 5:54:20 AM
2	ICAL	0	2	7/1/2025 6:00:45 AM
3	ICV	0	3	7/1/2025 6:07:25 AM
4	ICB	0	4	7/1/2025 6:13:32 AM
5	ICV	0	10	7/1/2025 6:19:59 AM
6	ICB	0	4	7/1/2025 6:26:09 AM
7	LLOQ RL	0	5	7/1/2025 6:32:35 AM
8	ICSA	0	6	7/1/2025 6:38:59 AM
9	SIC Multi	0	7	7/1/2025 6:45:46 AM
10	LDR Check	0	8	7/1/2025 6:52:33 AM
11	IEC V 10 TI-	1	1	7/1/2025 7:28:58 AM
12	LDR 100 K pass	1	2	7/1/2025 7:35:30 AM
13	xIEC Cr 20 wrong spot	3	3	7/1/2025 8:06:55 AM
14	IEC Cr 20 Sb-	1	3	7/1/2025 8:08:08 AM
15	CCV	0	3	7/1/2025 8:28:34 AM
16	CCB	0	4	7/1/2025 8:34:39 AM
17	L2536104-02 WG2082423	1	4	7/1/2025 8:53:26 AM
18	WG2082423-7 WG2082423	1	5	7/1/2025 8:59:42 AM
19	WG2082423-8 WG2082423	1	6	7/1/2025 9:06:10 AM
20	WG2082423-9 WG2082423	1	7	7/1/2025 9:12:32 AM
21	WG2082423-10d5 WG2082423	1	8	7/1/2025 9:19:03 AM
22	CCV	0	3	7/1/2025 9:25:22 AM
23	CCB	0	4	7/1/2025 9:31:29 AM
24	WG2085346-1 WG2085346	1	9	7/1/2025 10:52:54 AM
25	WG2085346-2 WG2085346	1	10	7/1/2025 10:59:20 AM
26	L2537651-11 WG2085346	1	21	7/1/2025 11:05:47 AM
27	L2537651-14 WG2085346	1	22	7/1/2025 11:12:12 AM
28	L2537651-17 WG2085346	1	23	7/1/2025 11:18:39 AM
29	L2538805-01 WG2085346	1	11	7/1/2025 11:24:59 AM
30	WG2085346-3 WG2085346	1	12	7/1/2025 11:31:22 AM
31	WG2085346-4 WG2085346	1	13	7/1/2025 11:37:38 AM
32	WG2085346-5 WG2085346	1	14	7/1/2025 11:43:57 AM
33	WG2085346-6d5 WG2085346	1	15	7/1/2025 11:50:03 AM
34	CCV	0	3	7/1/2025 11:56:25 AM
35	CCB	0	4	7/1/2025 12:02:32 PM
36	L2537651-20 WG2085346	1	24	7/1/2025 12:12:07 PM
37	L2537651-23 WG2085346	1	25	7/1/2025 12:18:37 PM
38	L2538805-03 WG2085346	1	26	7/1/2025 12:24:55 PM
39	L2538805-04 WG2085346	1	27	7/1/2025 12:31:15 PM
40	L2538805-05 WG2085346	1	28	7/1/2025 12:37:35 PM
41	L2538805-02 WG2085346	1	16	7/1/2025 12:43:55 PM
42	WG2085346-7 WG2085346	1	17	7/1/2025 12:50:16 PM
43	WG2085346-8 WG2085346	1	18	7/1/2025 12:56:29 PM
44	WG2085346-9 WG2085346	1	19	7/1/2025 1:02:50 PM
45	WG2085346-10d5 WG2085346	1	20	7/1/2025 1:08:58 PM
46	CCV	0	3	7/1/2025 1:15:21 PM
47	CCB	0	4	7/1/2025 1:21:29 PM
48	WG2085603-1 WG2085603	1	30	7/1/2025 1:28:43 PM
49	WG2085603-2 WG2085603	1	31	7/1/2025 1:35:08 PM
50	L2540281-02 WG2085603	1	37	7/1/2025 1:41:20 PM
51	L2538805-06 WG2085346	1	29	7/1/2025 1:47:40 PM
52	L2540281-01 WG2085603	1	32	7/1/2025 1:54:06 PM
53	WG2085603-3 WG2085603	1	33	7/1/2025 2:00:27 PM
54	WG2085603-4 WG2085603	1	34	7/1/2025 2:06:41 PM
55	WG2085603-5 WG2085603	1	35	7/1/2025 2:13:03 PM
56	WG2085603-6D5 WG2085603	1	36	7/1/2025 2:19:18 PM
57	CCV	0	3	7/1/2025 2:25:41 PM
58	CCB	0	4	7/1/2025 2:31:49 PM
59	WG2085769-1 WG2085769	1	38	7/1/2025 2:55:24 PM
60	WG2085769-2 WG2085769	1	39	7/1/2025 3:01:57 PM
61	I2538908-01 WG2085769	1	40	7/1/2025 3:08:05 PM
62	WG2085769-3 WG2085769	1	41	7/1/2025 3:15:07 PM
63	WG2085769-4 WG2085769	1	42	7/1/2025 3:21:21 PM
64	I2537849-01 WG2085769	1	43	7/1/2025 3:27:51 PM
65	CCV	0	3	7/1/2025 3:34:21 PM
66	CCB	0	4	7/1/2025 3:40:28 PM
67	WG2082734-1 WG2082734	1	44	7/1/2025 3:58:01 PM
68	WG2082734-2 WG2082734	1	45	7/1/2025 4:04:26 PM
69	L2536247-09 WG2082734	1	56	7/1/2025 4:10:41 PM
70	L2536247-10 WG2082734	1	57	7/1/2025 4:18:22 PM
71	L2536247-11 WG2082734	1	58	7/1/2025 4:24:44 PM
72	L2536247-12 WG2082734	1	46	7/1/2025 4:31:06 PM

Sequence Trace 5

7/1/2025 7:33:49 PM



Index:	Label:	Rack	Vial	Start time:
73	WG2082734-3 WG2082734	1	47	7/1/2025 4:37:29 PM
74	WG2082734-4 WG2082734	1	48	7/1/2025 4:43:40 PM
75	WG2082734-5 WG2082734	1	49	7/1/2025 4:54:44 PM
76	WG2082734-6D5 WG2082734	1	50	7/1/2025 5:00:48 PM
77	CCV	0	3	7/1/2025 5:07:10 PM
78	CCB	0	4	7/1/2025 5:13:17 PM
79	LDR 5 Sr	2	6	7/1/2025 5:24:25 PM
80	L2536247-13 WG2082734	1	59	7/1/2025 5:35:46 PM
81	L2536247-14 WG2082734	1	60	7/1/2025 5:42:09 PM
82	L2536247-15 WG2082734	2	1	7/1/2025 5:48:32 PM
83	L2536247-16 WG2082734	2	2	7/1/2025 5:54:54 PM
84	L2536247-08 WG2082734	1	51	7/1/2025 6:01:15 PM
85	WG2082734-7 WG2082734	1	52	7/1/2025 6:07:37 PM
86	WG2082734-8 WG2082734	1	53	7/1/2025 6:13:45 PM
87	WG2082734-9 WG2082734	1	54	7/1/2025 6:20:07 PM
88	WG2082734-10D5 WG2082734	1	55	7/1/2025 6:26:28 PM
89	CCV	0	3	7/1/2025 6:32:50 PM
90	CCB	0	4	7/1/2025 6:38:57 PM
91	OB scan 6247-02 tot	2	7	7/1/2025 6:45:26 PM
92	OB scan 6247-02 sol	2	8	7/1/2025 6:51:48 PM
93	OB scan 6247-06 tot	2	9	7/1/2025 6:58:11 PM
94	OB scan 6247-06 sol	2	10	7/1/2025 7:04:34 PM
95	OB scan 6247-07 tot	2	11	7/1/2025 7:10:56 PM
96	OB scan 6247-07 sol	2	12	7/1/2025 7:17:19 PM
97	L2536247-17 WG2082734	2	3	7/1/2025 7:23:42 PM
98	L2536247-18 WG2082734	2	4	
99	L2536247-20 WG2082734	2	5	
100		2	13	
101		2	14	
102		2	15	
103		2	16	
104		2	17	
105		2	18	
106		2	19	
107		2	20	
108	CCV	0	10	
109	CCB	0	4	

Sequence Trace 6

7/1/2025 6:41:37 PM



LabBook: WG2085790_07012025T6.imexp

Index:	Label:	Rack	Vial	Start time:
1	Blank JMF Trace6	0	1	7/1/2025 12:33:26 PM
2	ICAL	0	2	7/1/2025 12:40:05 PM
3	ICV	0	3	7/1/2025 12:57:54 PM
4	ICB	0	4	7/1/2025 1:04:13 PM
5	ICV	0	10	7/1/2025 1:10:55 PM
6	ICB	0	4	7/1/2025 1:17:22 PM
7	LLOQ RL Check	0	5	7/1/2025 1:24:06 PM
8	ICSA	0	6	7/1/2025 1:41:18 PM
9	SIC Cr Mn V Ti	0	7	7/1/2025 1:49:23 PM
10	LDR Check	0	8	7/1/2025 1:56:58 PM
11	LLOQ 05 Fe	1	1	7/1/2025 2:40:21 PM
12	LDR 500 Mg	1	2	7/1/2025 2:46:51 PM
13	CCV	0	3	7/1/2025 3:13:53 PM
14	CCB	0	4	7/1/2025 3:20:12 PM
15	WG2085603-2 WG2085603	1	3	7/1/2025 3:30:00 PM
16	CCV	0	3	7/1/2025 3:36:27 PM
17	CCB	0	4	7/1/2025 3:42:46 PM
18	xL2538805-01 WG2085201	1	4	7/1/2025 4:30:49 PM
19	L2538805-02 WG2085201	1	5	7/1/2025 4:37:24 PM
20	L2538805-03 WG2085201	1	6	7/1/2025 4:43:58 PM
21	L2538805-04 WG2085201	1	7	7/1/2025 4:50:33 PM
22	L2538805-05 WG2085201	1	8	7/1/2025 4:57:08 PM
23	L2538805-06 WG2085201	1	9	7/1/2025 5:03:43 PM
24	L2538805-01 WG2085201	1	10	7/1/2025 5:10:25 PM
25	LDR 200 Na	1	11	7/1/2025 5:25:49 PM
26	CCV	0	3	7/1/2025 5:32:40 PM
27	CCB	0	4	7/1/2025 5:38:59 PM
28	WG2085839-1 WG2085839	1	12	7/1/2025 5:46:51 PM
29	WG2085839-2 WG2085839	1	13	7/1/2025 5:53:43 PM
30	L2540184-01 WG2085839	1	14	7/1/2025 6:00:06 PM
31	WG2085839-3 WG2085839	1	15	7/1/2025 6:06:46 PM
32	WG2085839-4 WG2085839	1	16	7/1/2025 6:13:20 PM
33	CCV	0	3	7/1/2025 6:26:17 PM
34	CCB	0	4	7/1/2025 6:32:36 PM
35		1	13	
36	WG2083483-1 WG2083483	0	5	
37	WG2083483-2 WG2083483	1	18	
38	L2536270-01 WG2083483	1	19	
39	WG2083483-3 WG2083483	1	20	
40	WG2083483-4 WG2083483	1	22	
41	WG2083485-1 WG2083485	0	5	
42	WG2083485-2 WG2083485	1	23	
43	L2536289-02 WG2083485	1	30	
44	WG2083485-3 WG2083485	1	35	
45	WG2083485-4 WG2083485	1	36	
46		1	37	
47		1	38	
48		1	34	
49		1	49	
50		1	50	
51	CCV	0	3	
52	CCB	0	4	
53	CCV	0	3	
54	CCB	0	4	



METALS ELN REPORT

Workgroup: WG2085201

Digestion										
Prep Method	Acid Type 1	Acid 1 Lot	Acid Type 2	Acid 2 Lot	Spike Type	Lims Spike Lot	Spike Lot	Post Spike Spikelot	Spike Lot	Pipette Id
EPA 3005A	1:1 HNO3	tHNO32526300845ARM	1:1 HCl	tHCL2522020955JDH	METALS	METSPIKE2	IPS, FPS, MIX	METSPIKE2	IPS, FPS, MIX	140, 326

Additional Reagent/Std

Sample/Type	Digestion Date	Analyst	Sample Vol ml	Ph	Spike Amt ml	Start Date/Time	Hot Block Unit	Temperature (C)	Stop Date/Time	Final Vol	Comments
L2537415-01 SAMP	06/30/25 12:23	Nathaniel Schlosser	50	<2		06/30/25 12:23	10	94.7	06/30/25 15:25	50	
L2537416-01 SAMP	06/30/25 12:23	Nathaniel Schlosser	50	<2		06/30/25 12:23	10	94.7	06/30/25 15:25	50	
L2537417-01 SAMP	06/30/25 12:23	Nathaniel Schlosser	50	<2		06/30/25 12:23	10	94.7	06/30/25 15:25	50	
L2537423-01 SAMP	06/30/25 12:23	Nathaniel Schlosser	50	<2		06/30/25 12:23	10	94.7	06/30/25 15:25	50	
L2537530-01 SAMP	06/30/25 12:23	Nathaniel Schlosser	50	<2		06/30/25 12:23	10	94.7	06/30/25 15:25	50	
L2537553-01 SAMP	06/30/25 12:23	Nathaniel Schlosser	50	<2		06/30/25 12:23	10	94.7	06/30/25 15:25	50	
L2537554-01 SAMP	06/30/25 12:23	Nathaniel Schlosser	50	<2		06/30/25 12:23	10	94.7	06/30/25 15:25	50	
L2537562-01 SAMP	06/30/25 12:23	Nathaniel Schlosser	50	<2		06/30/25 12:23	10	94.7	06/30/25 15:25	50	
L2537593-01 SAMP	06/30/25 12:23	Nathaniel Schlosser	50	<2		06/30/25 12:23	10	94.7	06/30/25 15:25	50	
L2537636-01 SAMP	06/30/25 12:23	Nathaniel Schlosser	50	<2		06/30/25 12:23	10	94.7	06/30/25 15:25	50	



METALS ELN REPORT

Workgroup: WG2085201

Sample/ Type	Digestion Date	Analyst	Sample Vol ml	Ph	Spike Amt ml	Start Date/Time	Hot Block Unit	Temperature (C)	Stop Date/Time	Final Vol	Comments
L2537723-01 SAMP	06/30/25 12:23	Nathaniel Schlosser	50	<2		06/30/25 12:23	10	94.7	06/30/25 15:25	50	
L2538805-01 SAMP	06/30/25 12:23	Nathaniel Schlosser	50	<2		06/30/25 12:23	10	94.7	06/30/25 15:25	50	
L2538805-02 SAMP	06/30/25 12:23	Nathaniel Schlosser	50	<2		06/30/25 12:23	10	94.7	06/30/25 15:25	50	
L2538805-03 SAMP	06/30/25 12:23	Nathaniel Schlosser	50	<2		06/30/25 12:23	10	94.7	06/30/25 15:25	50	
L2538805-04 SAMP	06/30/25 12:23	Nathaniel Schlosser	50	<2		06/30/25 12:23	10	94.7	06/30/25 15:25	50	
L2538805-05 SAMP	06/30/25 12:23	Nathaniel Schlosser	50	<2		06/30/25 12:23	10	94.7	06/30/25 15:25	50	
L2538805-06 SAMP	06/30/25 12:23	Nathaniel Schlosser	50	<2		06/30/25 12:23	10	94.7	06/30/25 15:25	50	
L2539143-01 SAMP	06/30/25 12:23	Nathaniel Schlosser	50	<2		06/30/25 12:23	10	94.7	06/30/25 15:25	50	
L2539147-01 SAMP	06/30/25 12:23	Nathaniel Schlosser	50	<2		06/30/25 12:23	10	94.7	06/30/25 15:25	50	
L2540851-01 SAMP	06/30/25 12:23	Nathaniel Schlosser	50	<2		06/30/25 12:23	10	94.7	06/30/25 15:25	50	
WG2085201-1 BLANK	06/30/25 12:23	Nathaniel Schlosser	50	<2		06/30/25 12:23	10	94.7	06/30/25 15:25	50	ELN: JDH
WG2085201-2 LCS	06/30/25 12:23	Nathaniel Schlosser	50	<2	0.5	06/30/25 12:23	10	94.7	06/30/25 15:25	50	FM2525231304 AJT



METALS ELN REPORT

Workgroup: WG2085201

Sample/ Type	Digestion Date	Analyst	Sample Vol	Ph	Spike Amt	Start Date/Time	Hot Block Unit	Temperatur e (C)	Stop Date/Time	Final Vol	Comments
			ml		ml						
WG2085201-3 MS	06/30/25 12:23	Nathaniel Schlosser	50	<2	0.5	06/30/25 12:23	10	94.7	06/30/25 15:25	50	IPS252309081 2AJT
WG2085201-4 DUP	06/30/25 12:23	Nathaniel Schlosser	50	<2		06/30/25 12:23	10	94.7	06/30/25 15:25	50	
WG2085201-5 PS	06/30/25 12:23	Nathaniel Schlosser	50	<2		06/30/25 12:23	10	94.7	06/30/25 15:25	50	
WG2085201-6 SERDIL	06/30/25 12:23	Nathaniel Schlosser	50	<2		06/30/25 12:23	10	94.7	06/30/25 15:25	50	
WG2085201-7 MS	06/30/25 12:23	Nathaniel Schlosser	50	<2	0.5	06/30/25 12:23	10	94.7	06/30/25 15:25	50	
WG2085201-8 DUP	06/30/25 12:23	Nathaniel Schlosser	50	<2		06/30/25 12:23	10	94.7	06/30/25 15:25	50	
WG2085201-9 PS	06/30/25 12:23	Nathaniel Schlosser	50	<2		06/30/25 12:23	10	94.7	06/30/25 15:25	50	
WG2085201-10 SERDIL	06/30/25 12:23	Nathaniel Schlosser	50	<2		06/30/25 12:23	10	94.7	06/30/25 15:25	50	

Reagent	Actual Volume	Units
1:1 Hydrochloric Acid (H	.5	ml
1:1 Nitric Acid (HNO3)	1	ml



METALS ELN REPORT

Workgroup: WG2085346

Digestion										
Prep Method	Acid Type 1	Acid 1 Lot	Acid Type 2	Acid 2 Lot	Spike Type	Lims Spike Lot	Spike Lot	Post Spike Spikelot	Spike Lot	Pipette Id
EPA 3005A	1:1 HNO3	tHNO3252411 81920MGM	1:1 HCl	tHCl2522032 127NDD	METALS	METSPIKE2	IPS, FPS, MIX	METSPIKE2	IPS, FPS, MIX	140, 326

Additional Reagent/Std

Sample/Type	Digestion Date	Analyst	Lab Filtration Date	Sample Vol	Ph	Spike Amt ml	Start Date/Time	Hot Block Unit	Temperature (C)	Stop Date/Time	Final Vol ml	Comments
L2537651-11 SAMP	06/30/25 15:21	Maisie Mcqueen	NA	50	<2		06/30/25 15:21	7	94.8	06/30/25 18:21	50	
L2537651-14 SAMP	06/30/25 15:21	Maisie Mcqueen	NA	50	<2		06/30/25 15:21	7	94.8	06/30/25 18:21	50	
L2537651-17 SAMP	06/30/25 15:21	Maisie Mcqueen	NA	50	<2		06/30/25 15:21	7	94.8	06/30/25 18:21	50	
L2537651-20 SAMP	06/30/25 15:21	Maisie Mcqueen	NA	50	<2		06/30/25 15:21	7	94.8	06/30/25 18:21	50	
L2537651-23 SAMP	06/30/25 15:21	Maisie Mcqueen	NA	50	<2		06/30/25 15:21	7	94.8	06/30/25 18:21	50	
L2538354-01 SAMP	06/30/25 15:21	Maisie Mcqueen	06-24-25 07:33	50	<2		06/30/25 15:21	7	94.8	06/30/25 18:21	50	
L2538354-03 SAMP	06/30/25 15:21	Maisie Mcqueen	06-24-25 07:33	50	<2		06/30/25 15:21	7	94.8	06/30/25 18:21	50	
L2538354-05 SAMP	06/30/25 15:21	Maisie Mcqueen	06-24-25 07:33	50	<2		06/30/25 15:21	7	94.8	06/30/25 18:21	50	
L2538354-07 SAMP	06/30/25 15:21	Maisie Mcqueen	06-24-25 07:33	50	<2		06/30/25 15:21	7	94.8	06/30/25 18:21	50	
L2538354-09 SAMP	06/30/25 15:21	Maisie Mcqueen	06-24-25 07:33	50	<2		06/30/25 15:21	7	94.8	06/30/25 18:21	50	



METALS ELN REPORT

Workgroup: WG2085346

Sample/ Type	Digestion Date	Analyst	Lab Filtration Date	Sample Vol	Ph	Spike Amt ml	Start Date/Time	Hot Block Unit	Temperatur e (C)	Stop Date/Time	Final Vol ml	Comments
L2538354-11 SAMP	06/30/25 15:21	Maisie Mcqueen	06-24-25 07:33	50	<2		06/30/25 15:21	7	94.8	06/30/25 18:21	50	
L2538354-13 SAMP	06/30/25 15:21	Maisie Mcqueen	06-24-25 07:33	50	<2		06/30/25 15:21	7	94.8	06/30/25 18:21	50	
L2538354-15 SAMP	06/30/25 15:21	Maisie Mcqueen	06-24-25 07:33	50	<2		06/30/25 15:21	7	94.8	06/30/25 18:21	50	
L2538354-17 SAMP	06/30/25 15:21	Maisie Mcqueen	06-24-25 07:33	50	<2		06/30/25 15:21	7	94.8	06/30/25 18:21	50	
L2538805-01 SAMP	06/30/25 15:21	Maisie Mcqueen	NA	50	<2		06/30/25 15:21	7	94.8	06/30/25 18:21	50	
L2538805-02 SAMP	06/30/25 15:21	Maisie Mcqueen	NA	50	<2		06/30/25 15:21	7	94.8	06/30/25 18:21	50	
L2538805-03 SAMP	06/30/25 15:21	Maisie Mcqueen	NA	50	<2		06/30/25 15:21	7	94.8	06/30/25 18:21	50	
L2538805-04 SAMP	06/30/25 15:21	Maisie Mcqueen	NA	50	<2		06/30/25 15:21	7	94.8	06/30/25 18:21	50	
L2538805-05 SAMP	06/30/25 15:21	Maisie Mcqueen	NA	50	<2		06/30/25 15:21	7	94.8	06/30/25 18:21	50	
L2538805-06 SAMP	06/30/25 15:21	Maisie Mcqueen	NA	50	<2		06/30/25 15:21	7	94.8	06/30/25 18:21	50	
WG2085346-1 BLANK	06/30/25 15:21	Maisie Mcqueen	06/24/25 07:33	50	<2		06/30/25 15:21	7	94.8	06/30/25 18:21	50	
WG2085346-2 LCS	06/30/25 15:21	Maisie Mcqueen	NA	50	<2	0.5	06/30/25 15:21	7	94.8	06/30/25 18:21	50	FM2525231304 AJT



METALS ELN REPORT

Workgroup: WG2085346

Sample/ Type	Digestion Date	Analyst	Lab Filtration Date	Sample Vol	Ph	Spike Amt ml	Start Date/Time	Hot Block Unit	Temperatur e (C)	Stop Date/Time	Final Vol ml	Comments
WG2085346-3 MS	06/30/25 15:21	Maisie Mcqueen	NA	50	<2	0.5	06/30/25 15:21	7	94.8	06/30/25 18:21	50	IPS252309081 2AJT
WG2085346-4 DUP	06/30/25 15:21	Maisie Mcqueen	NA	50	<2		06/30/25 15:21	7	94.8	06/30/25 18:21	50	ELN:AC
WG2085346-5 PS	06/30/25 15:21	Maisie Mcqueen	NA	50	<2		06/30/25 15:21	7	94.8	06/30/25 18:21	50	
WG2085346-6 SERDIL	06/30/25 15:21	Maisie Mcqueen	NA	50	<2		06/30/25 15:21	7	94.8	06/30/25 18:21	50	
WG2085346-7 MS	06/30/25 15:21	Maisie Mcqueen	NA	50	<2	0.5	06/30/25 15:21	7	94.8	06/30/25 18:21	50	
WG2085346-8 DUP	06/30/25 15:21	Maisie Mcqueen	NA	50	<2		06/30/25 15:21	7	94.8	06/30/25 18:21	50	
WG2085346-9 PS	06/30/25 15:21	Maisie Mcqueen	NA	50	<2		06/30/25 15:21	7	94.8	06/30/25 18:21	50	
WG2085346-10 SERDIL	06/30/25 15:21	Maisie Mcqueen	NA	50	<2		06/30/25 15:21	7	94.8	06/30/25 18:21	50	

Reagent	Actual Volume	Units
1:1 Hydrochloric Acid (H	.5	ml
1:1 Nitric Acid (HNO3)	1	ml

Inorganic Data (Mercury Analysis)

Form 1

METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-01	Date Collected	: 06/19/25 11:10
Client ID	: MW-4S	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 07/01/25 09:46
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 3,245.1	Analyst	: JWN
Lab File ID	: WG2085606.pdf	Instrument ID	: NIC4
Sample Amount	: 25ml	%Solids	: N/A
Digestion Method	: EPA 245.1	Date Digested	: 06/30/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Dissolved	ND	0.00020	0.00009	U

Form 1

METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-02	Date Collected	: 06/19/25 11:05
Client ID	: MW-4D2	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 07/01/25 09:50
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 3,245.1	Analyst	: JWN
Lab File ID	: WG2085606.pdf	Instrument ID	: NIC4
Sample Amount	: 25ml	%Solids	: N/A
Digestion Method	: EPA 245.1	Date Digested	: 06/30/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Dissolved	ND	0.00020	0.00009	U

Form 1

METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-03	Date Collected	: 06/19/25 10:00
Client ID	: SCDOH-DR	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 07/01/25 09:33
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 3,245.1	Analyst	: JWN
Lab File ID	: WG2085606.pdf	Instrument ID	: NIC4
Sample Amount	: 25ml	%Solids	: N/A
Digestion Method	: EPA 245.1	Date Digested	: 06/30/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Dissolved	ND	0.00020	0.00009	U

Form 1

METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-04	Date Collected	: 06/19/25 08:38
Client ID	: MW-10S	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 07/01/25 09:53
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 3,245.1	Analyst	: JWN
Lab File ID	: WG2085606.pdf	Instrument ID	: NIC4
Sample Amount	: 25ml	%Solids	: N/A
Digestion Method	: EPA 245.1	Date Digested	: 06/30/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Dissolved	ND	0.00020	0.00009	U

Form 1

METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-05	Date Collected	: 06/19/25 08:50
Client ID	: MW-10D	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 07/01/25 10:03
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 3,245.1	Analyst	: JWN
Lab File ID	: WG2085606.pdf	Instrument ID	: NIC4
Sample Amount	: 25ml	%Solids	: N/A
Digestion Method	: EPA 245.1	Date Digested	: 06/30/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Dissolved	ND	0.00020	0.00009	U

Form 1

METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-06	Date Collected	: 06/19/25 12:00
Client ID	: EQUIPMENT BLANK	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 07/01/25 10:06
Sample Matrix	: Equipment Blank	Dilution Factor	: 1
Analytical Method	: 3,245.1	Analyst	: JWN
Lab File ID	: WG2085606.pdf	Instrument ID	: NIC4
Sample Amount	: 25ml	%Solids	: N/A
Digestion Method	: EPA 245.1	Date Digested	: 06/30/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Dissolved	ND	0.00020	0.00009	U

Form 1

METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: WG2085347-1	Date Collected	: NA
Client ID	: WG2085347-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 07/01/25 09:26
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 3,245.1	Analyst	: JWN
Lab File ID	: WG2085606.pdf	Instrument ID	: NIC4
Sample Amount	: 25ml	%Solids	: N/A
Digestion Method	: EPA 245.1	Date Digested	: 06/30/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Dissolved	ND	0.00020	0.00009	U



Form 1

METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: WG2085347-4	Date Collected	: 06/19/25 10:00
Client ID	: SCDOH-DRDUP	Date Received	: 06/19/25
Sample Location	:	Date Analyzed	: 07/01/25 09:40
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 3,245.1	Analyst	: JWN
Lab File ID	: WG2085606.pdf	Instrument ID	: NIC4
Sample Amount	: 25ml	%Solids	: N/A
Digestion Method	: EPA 245.1	Date Digested	: 06/30/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Dissolved	ND	0.00020	0.0001	U

Form 1

METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-01	Date Collected	: 06/19/25 11:10
Client ID	: MW-4S	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 07/01/25 08:05
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 3,245.1	Analyst	: JWN
Lab File ID	: WG2085606.pdf	Instrument ID	: NIC4
Sample Amount	: 25ml	%Solids	: N/A
Digestion Method	: EPA 245.1	Date Digested	: 06/30/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U

Form 1

METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-02	Date Collected	: 06/19/25 11:05
Client ID	: MW-4D2	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 07/01/25 08:15
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 3,245.1	Analyst	: JWN
Lab File ID	: WG2085606.pdf	Instrument ID	: NIC4
Sample Amount	: 25ml	%Solids	: N/A
Digestion Method	: EPA 245.1	Date Digested	: 06/30/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U

Form 1

METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-03	Date Collected	: 06/19/25 10:00
Client ID	: SCDOH-DR	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 07/01/25 08:18
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 3,245.1	Analyst	: JWN
Lab File ID	: WG2085606.pdf	Instrument ID	: NIC4
Sample Amount	: 25ml	%Solids	: N/A
Digestion Method	: EPA 245.1	Date Digested	: 06/30/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U

Form 1

METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-04	Date Collected	: 06/19/25 08:38
Client ID	: MW-10S	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 07/01/25 08:21
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 3,245.1	Analyst	: JWN
Lab File ID	: WG2085606.pdf	Instrument ID	: NIC4
Sample Amount	: 25ml	%Solids	: N/A
Digestion Method	: EPA 245.1	Date Digested	: 06/30/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U

Form 1

METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-05	Date Collected	: 06/19/25 08:50
Client ID	: MW-10D	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 07/01/25 08:25
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 3,245.1	Analyst	: JWN
Lab File ID	: WG2085606.pdf	Instrument ID	: NIC4
Sample Amount	: 25ml	%Solids	: N/A
Digestion Method	: EPA 245.1	Date Digested	: 06/30/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U

Form 1

METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-06	Date Collected	: 06/19/25 12:00
Client ID	: EQUIPMENT BLANK	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 07/01/25 08:28
Sample Matrix	: Equipment Blank	Dilution Factor	: 1
Analytical Method	: 3,245.1	Analyst	: JWN
Lab File ID	: WG2085606.pdf	Instrument ID	: NIC4
Sample Amount	: 25ml	%Solids	: N/A
Digestion Method	: EPA 245.1	Date Digested	: 06/30/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U

Form 1

METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: WG2085213-1	Date Collected	: NA
Client ID	: WG2085213-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 07/01/25 07:58
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 3,245.1	Analyst	: JWN
Lab File ID	: WG2085606.pdf	Instrument ID	: NIC4
Sample Amount	: 25ml	%Solids	: N/A
Digestion Method	: EPA 245.1	Date Digested	: 06/30/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	ND	0.00020	0.00009	U



Form 1

METALS

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: WG2085213-4	Date Collected	: 06/19/25 11:10
Client ID	: MW-4SDUP	Date Received	: 06/19/25
Sample Location	:	Date Analyzed	: 07/01/25 08:11
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 3,245.1	Analyst	: JWN
Lab File ID	: WG2085606.pdf	Instrument ID	: NIC4
Sample Amount	: 25ml	%Solids	: N/A
Digestion Method	: EPA 245.1	Date Digested	: 06/30/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7439-97-6	Mercury, Total	ND	0.00020	0.0001	U



Form 2A

Initial and Continuing Calibration Verification

Client : Roux Env. Eng. & Geology, DPC Lab Number : L2538805
 Project Name : CORAM GROUNDWATER EVENT Project Number : 2232.0006Y005
 Instrument ID : NIC4 Units : mg/l

	Initial Calibration			Continuing Calibration(s)						
	Lab ID	:	R1983246-1	R1983246-3			R1983246-5		R1983246-7	
	Date Analyzed	:	07/01/25 07:32	07/01/25 08:31			07/01/25 09:56		07/01/25 11:15	
Parameter			True	Found	%R	True	Found	%R	Found	%R
Mercury			0.00300	0.0031	102	0.0050	0.00490	99	0.00490	99
									0.00500	100

Acceptance Criteria:

ICV: 95-105% (Methods 200.7, 245.1)
 90-110% (Methods 200.8, 6010, 6020, 7470, 7471, 7474)
 77-123% (Method 1631)
 76-113% (Method 245.7)

CCV: 90-110% (Methods 200.7, 245.1, 6010, 6020, 7474)
 85-115% (Method 200.8)
 80-120% (Methods 7470, 7471)
 77-123% (Method 1631)
 76-113% (Method 245.7)



Form 2A

Initial and Continuing Calibration Verification

Client : Roux Env. Eng. & Geology, DPC Lab Number : L2538805
 Project Name : CORAM GROUNDWATER EVENT Project Number : 2232.0006Y005
 Instrument ID : NIC4 Units : mg/l

	Initial Calibration			Continuing Calibration(s)						
	Lab ID : R1983246-1				R1983246-3			R1983246-5		
	Date Analyzed : 07/01/25 07:32				07/01/25 08:31			07/01/25 09:56		
Parameter	True	Found	%R	True	Found	%R	Found	%R	Found	%R
Mercury	0.00300	0.0031	102	0.0050	0.00490	99	0.00490	99		

Acceptance Criteria:

ICV: 95-105% (Methods 200.7, 245.1)
 90-110% (Methods 200.8, 6010, 6020, 7470, 7471, 7474)
 77-123% (Method 1631)
 76-113% (Method 245.7)

CCV: 90-110% (Methods 200.7, 245.1, 6010, 6020, 7474)
 85-115% (Method 200.8)
 80-120% (Methods 7470, 7471)
 77-123% (Method 1631)
 76-113% (Method 245.7)



Form 3 Blanks

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Instrument ID	: NIC4		

	Initial Calibration Blank		Continuing Calibration Blank(s)				Preparation Blank	
Lab ID	: R1983246-2		R1983246-4	R1983246-6	R1983246-8		WG2085347-1	
Date Analyzed:	07/01/25 07:35		07/01/25 08:35	07/01/25 09:59	07/01/25 11:19		07/01/25 09:26	
Parameter	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q
Mercury	0.0000910	U	0.0000910	U	0.0000910	U	0.00009	U



Form 3 Blanks

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Instrument ID	: NIC4		

	Initial Calibration		Continuing Calibration				Preparation	
	Blank		Blank(s)				Blank	
Lab ID	: R1983246-2		R1983246-4 R1983246-6				WG2085213-1	
Date Analyzed:	07/01/25 07:35		07/01/25 08:35 07/01/25 09:59				07/01/25 07:58	
Parameter	mg/l	Q	mg/l	Q	mg/l	Q	mg/l	Q
Mercury	0.0000910	U	0.0000910	U	0.0000910	U	0.00009	U



Form 5a Matrix Spike

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Client Sample ID	: SCDOH-DR	Matrix	: WATER
Lab Sample ID	: L2538805-03		
Matrix Spike	: WG2085347-3	MS Analysis Date	: 07/01/25 09:36
Matrix Spike Dup	:	MSD Analysis Date	:

Parameter	Sample Conc. (mg/l)	Matrix Spike Sample			Matrix Spike Duplicate			RPD	Recovery Limits	RPD Limit
		Spike Added (mg/l)	Spike Conc. (mg/l)	%R	Spike Added (mg/l)	Spike Conc. (mg/l)	%R			
Mercury, Dissolved	ND	0.005	0.00408	82					75-125	20

Form 5a Matrix Spike

Client : Roux Env. Eng. & Geology, DPC	Lab Number : L2538805
Project Name : CORAM GROUNDWATER EVENT	Project Number : 2232.0006Y005
Client Sample ID : MW-4S	Matrix : WATER
Lab Sample ID : L2538805-01	
Matrix Spike : WG2085213-3	MS Analysis Date : 07/01/25 08:08
Matrix Spike Dup :	MSD Analysis Date :

Parameter	Sample Conc. (mg/l)	Matrix Spike Sample		%R	Matrix Spike Duplicate		%R	RPD	Recovery Limits	RPD Limit
		Spike Added (mg/l)	Spike Conc. (mg/l)		Spike Added (mg/l)	Spike Conc. (mg/l)				
Mercury, Total	ND	0.005	0.00381	76					70-130	20



Form 6 Lab Duplicates

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Client Sample ID	: SCDOH-DR	Matrix	: WATER
Lab Sample ID	: L2538805-03	Analysis Date	: 07/01/25 09:33
Dup Sample ID	: WG2085347-4	DUP Analysis Date	: 07/01/25 09:40

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Mercury, Dissolved	ND	ND	NC	20



Form 6 Lab Duplicates

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Client Sample ID	: MW-4S	Matrix	: WATER
Lab Sample ID	: L2538805-01	Analysis Date	: 07/01/25 08:05
Dup Sample ID	: WG2085213-4	DUP Analysis Date	: 07/01/25 08:11

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Mercury, Total	ND	ND	NC	20



Form 7

Laboratory Control Sample

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Client Sample ID	: NA	Matrix	: WATER
Lab Sample ID	: WG2085347-2	LCS Analysis Date	: 07/01/25 09:30
Dup Sample ID	:	LCSD Analysis Date	:

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/l)	Found (mg/l)	%R	True (mg/l)	Found (mg/l)	%R			
Mercury, Dissolved	0.00100	0.000860	86.					85-115	20



Form 7

Laboratory Control Sample

Client : Roux Env. Eng. & Geology, DPC Project Name : CORAM GROUNDWATER EVENT Client Sample ID : NA Lab Sample ID : WG2085213-2 Dup Sample ID :	Lab Number : L2538805 Project Number : 2232.0006Y005 Matrix : WATER LCS Analysis Date : 07/01/25 09:43 LCSD Analysis Date :
--	--

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/l)	Found (mg/l)	%R	True (mg/l)	Found (mg/l)	%R			
Mercury, Total	0.00100	0.000880	88.					85-115	20

Form 12

Preparation Log

Client : Roux Env. Eng. & Geology, DPC Lab Number : L2538805
Project Name : CORAM GROUNDWATER EVENT Project Number : 2232.0006Y005
Matrix : WATER Prep Method : EPA 245.1

Sample Number	Preparation Date	Weight (gram)	Volume (mL)
L2538805-01	06/30/25 19:06	-	25
L2538805-02	06/30/25 19:06	-	25
L2538805-03	06/30/25 19:06	-	25
L2538805-04	06/30/25 19:06	-	25
L2538805-05	06/30/25 19:06	-	25
L2538805-06	06/30/25 19:06	-	25
WG2085347-1	06/30/25 19:06	-	25
WG2085347-2	06/30/25 19:06	-	25
WG2085347-3	06/30/25 19:06	-	25
WG2085347-4	06/30/25 19:06	-	25



Form 12

Preparation Log

Client : Roux Env. Eng. & Geology, DPC Lab Number : L2538805
Project Name : CORAM GROUNDWATER EVENT Project Number : 2232.0006Y005
Matrix : WATER Prep Method : EPA 245.1

Sample Number	Preparation Date	Weight (gram)	Volume (mL)
L2538805-01	06/30/25 19:06	-	25
L2538805-02	06/30/25 19:06	-	25
L2538805-03	06/30/25 19:06	-	25
L2538805-04	06/30/25 19:06	-	25
L2538805-05	06/30/25 19:06	-	25
L2538805-06	06/30/25 19:06	-	25
WG2085213-1	06/30/25 19:06	-	25
WG2085213-2	06/30/25 19:06	-	25
WG2085213-3	06/30/25 19:06	-	25
WG2085213-4	06/30/25 19:06	-	25



Form 13

Analysis Run Log

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM GROUNDWATER EVENT
Instrument ID : NIC4
Start Date : 07/01/25 07:32

Lab Number : L2538805
Project Number : 2232.0006Y005
Analysis Method : 3,245.1
End Date : 07/01/25 11:19

[illegible]

Form 13

Analysis Run Log

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM GROUNDWATER EVENT
Instrument ID : NIC4
Start Date : 07/01/25 07:32

Lab Number : L2538805
Project Number : 2232.0006Y005
Analysis Method : 3,245.1
End Date : 07/01/25 09:59

[illegible]

Date Created: 03/19/18
Created By: Jason Hebert
File: PM4631-1
Page: 1

MERCURY by 7470A, 245.1 (WATER)

[illegible]

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/ Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of the laboratory.

Date Created: 01/22/21
Created By: Jason Hebert
File: PM9836-1
Page: 1

METALS by 7470A (WATER)

[illegible]

Please Note that the RL Information provided in this table is calculated using a 100% Solids factor. (Sol/Solids only)
Please Note that the Information provided in this table is subject to change at anytime at the discretion of the laboratory.

Date Created: 01/22/21
Created By: Jason Hebert
File: PM9837-1
Page: 1

METALS by 7471B (SOIL)

[illegible]

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the Information provided in this table is subject to change at anytime at the discretion of the laboratory.

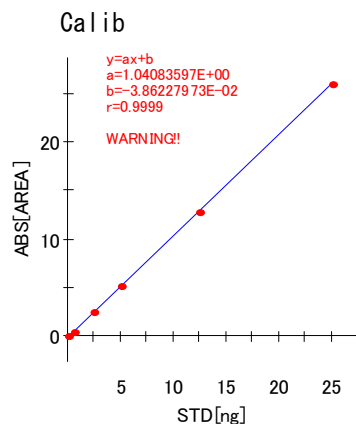
Title :
Date : 7/1/2025
Name :

Method

STD
HONH3CI : 0.0mL
(1+1) H2SO4 : 0.0mL
10w/v% SnCl2 : 0.3mL

SMP
HONH3CI : 0.0mL
(1+1) H2SO4 : 0.0mL
10w/v% SnCl2 : 0.3mL

Measurement Time(sec) : 120sec



STD

No.	STD [ug/L]	SVOL [mL]	CVOL [mL]	DVOL [mL]	STD [ng]	AREA [ON]	MEAS [ng]	Dev [%]	M. TIME	Note
1	0.000	2.500	2.500	2.500	0.000	0.0314	0.0673	-	07/01/2025 07:12	JWN,NIC4
2	0.200	2.500	2.500	2.500	0.500	0.5067	0.5239	4.8	07/01/2025 07:15	JWN,NIC4
3	1.000	2.500	2.500	2.500	2.500	2.5035	2.4424	2.3	07/01/2025 07:18	JWN,NIC4
4	2.000	2.500	2.500	2.500	5.000	5.2300	5.0619	1.2	07/01/2025 07:22	JWN,NIC4
5	5.000	2.500	2.500	2.500	12.500	12.7878	12.3232	1.4	07/01/2025 07:25	JWN,NIC4
6	10.000	2.500	2.500	2.500	25.000	26.0669	25.0813	0.3	07/01/2025 07:28	JWN,NIC4

SMP

No.	NAME	SVOL [mL]	CVOL [mL]	DVOL [mL]	AREA [ON]	MEAS [ng]	CONC [ug/L]	Recovery [%]	M. TIME	Note
1	ICV	2.500	2.500	2.500	7.9009	7.6280	3.051	-	07/01/2025 07:32	JWN,NIC4
2	ICB	2.500	2.500	2.500	0.0364	0.0721	0.029	-	07/01/2025 07:35	JWN,NIC4
3	wg2085213-1 wg2085213	2.500	2.500	2.500	0.0277	0.0637	0.025	-	07/01/2025 07:58	JWN,NIC4
4	xwg2085213-2 wg2085213	2.500	2.500	2.500	1.8462	1.8109	0.724	-	07/01/2025 08:01	JWN,NIC4
5	l2538805-01 wg2085213	2.500	2.500	2.500	0.0362	0.0719	0.029	-	07/01/2025 08:05	JWN,NIC4
6	wg2085213-3 wg2085213	2.500	2.500	2.500	9.8765	9.5261	3.810	-	07/01/2025 08:08	JWN,NIC4

No.	NAME	SVOL [mL]	CVOL [mL]	DVOL [mL]	AREA [ON]	MEAS [ng]	CONC [ug/L]	Recovery [%]	M. TIME	Note
7	wg2085213-4 wg2085213	2.500	2.500	2.500	0.0072	0.0440	0.018	-	07/01/2025 08:11	JWN,NIC4
8	I2538805-02 wg2085213	2.500	2.500	2.500	0.0489	0.0841	0.034	-	07/01/2025 08:15	JWN,NIC4
9	I2538805-03 wg2085213	2.500	2.500	2.500	0.0312	0.0671	0.027	-	07/01/2025 08:18	JWN,NIC4
10	I2538805-04 wg2085213	2.500	2.500	2.500	0.0283	0.0643	0.026	-	07/01/2025 08:21	JWN,NIC4
11	I2538805-05 wg2085213	2.500	2.500	2.500	0.0416	0.0771	0.031	-	07/01/2025 08:25	JWN,NIC4
12	I2538805-06 wg2085213	2.500	2.500	2.500	0.0309	0.0668	0.027	-	07/01/2025 08:28	JWN,NIC4
13	Check STD(5ug/L)	2.500	2.500	2.500	12.8320	12.3657	4.946	98.9	07/01/2025 08:31	JWN,NIC4
14	Check Blank	2.500	2.500	2.500	0.0319	0.0678	0.027	-	07/01/2025 08:35	JWN,NIC4
15	xWG2085408-2 WG2085408	2.500	2.500	2.500	2.2887	2.2360	0.894	-	07/01/2025 09:08	JWN,NIC4
16	WG2085347-1 WG2085347	2.500	2.500	2.500	0.0391	0.0747	0.030	-	07/01/2025 09:26	JWN,NIC4
17	WG2085347-2 WG2085347	2.500	2.500	2.500	2.2036	2.1543	0.862	-	07/01/2025 09:30	JWN,NIC4
18	L2538805-03 WG2085347	2.500	2.500	2.500	0.0424	0.0778	0.031	-	07/01/2025 09:33	JWN,NIC4
19	WG2085347-3 WG2085347	2.500	2.500	2.500	10.5849	10.2067	4.083	-	07/01/2025 09:36	JWN,NIC4
20	WG2085347-4 WG2085347	2.500	2.500	2.500	0.0375	0.0731	0.029	-	07/01/2025 09:40	JWN,NIC4
21	wg2085213-2 wg2085213	2.500	2.500	2.500	2.2526	2.2013	0.881	-	07/01/2025 09:43	JWN,NIC4
22	L2538805-01 WG2085347	2.500	2.500	2.500	0.0427	0.0781	0.031	-	07/01/2025 09:46	JWN,NIC4
23	L2538805-02 WG2085347	2.500	2.500	2.500	0.0388	0.0744	0.030	-	07/01/2025 09:50	JWN,NIC4
24	L2538805-04 WG2085347	2.500	2.500	2.500	0.0427	0.0781	0.031	-	07/01/2025 09:53	JWN,NIC4
25	Check STD(5ug/L)	2.500	2.500	2.500	12.8267	12.3606	4.944	98.9	07/01/2025 09:56	JWN,NIC4
26	Check Blank	2.500	2.500	2.500	0.0350	0.0707	0.028	-	07/01/2025 09:59	JWN,NIC4
27	L2538805-05 WG2085347	2.500	2.500	2.500	0.0375	0.0731	0.029	-	07/01/2025 10:03	JWN,NIC4
28	L2538805-06 WG2085347	2.500	2.500	2.500	0.0380	0.0736	0.029	-	07/01/2025 10:06	JWN,NIC4
29	WG2085373-1 WG2085373	2.500	2.500	2.500	-0.0061	0.0312	0.012	-	07/01/2025 10:49	JWN,NIC4
30	XWG2085373-2 WG2085373	2.500	2.500	2.500	1.9620	1.9221	0.769	-	07/01/2025 10:52	JWN,NIC4
31	L2539454-01 WG2085373	2.500	2.500	2.500	0.0791	0.1131	0.045	-	07/01/2025 10:55	JWN,NIC4
32	WG2085373-3 WG2085373	2.500	2.500	2.500	12.9856	12.5132	5.005	-	07/01/2025 10:59	JWN,NIC4
33	WG2085373-4 WG2085373	2.500	2.500	2.500	0.0796	0.1136	0.045	-	07/01/2025 11:02	JWN,NIC4
34	L2536917-01 WG2085373	2.500	2.500	2.500	0.1022	0.1353	0.054	-	07/01/2025 11:05	JWN,NIC4
35	L2537793-01 WG2085373	2.500	2.500	2.500	0.0076	0.0444	0.018	-	07/01/2025 11:09	JWN,NIC4
36	L2539456-01 WG2085373	2.500	2.500	2.500	0.0069	0.0437	0.017	-	07/01/2025 11:12	JWN,NIC4
37	Check STD(5ug/L)	2.500	2.500	2.500	12.9126	12.4431	4.977	99.5	07/01/2025 11:15	JWN,NIC4
38	Check Blank	2.500	2.500	2.500	0.0280	0.0640	0.026	-	07/01/2025 11:19	JWN,NIC4

No.	NAME	SVOL [mL]	CVOL [mL]	DVOL [mL]	AREA [ON]	MEAS [ng]	CONC [ug/L]	Recovery [%]	M. TIME	Note
39	L2539457-01 WG2085373	2.500	2.500	2.500	0.0075	0.0443	0.018	-	07/01/2025 11:22	JWN,NIC4
40	L2539459-01 WG2085373	2.500	2.500	2.500	0.0108	0.0475	0.019	-	07/01/2025 11:25	JWN,NIC4
41	L2539898-01 WG2085373	2.500	2.500	2.500	0.0080	0.0448	0.018	-	07/01/2025 11:28	JWN,NIC4
42	L2539898-02 WG2085373	2.500	2.500	2.500	0.0092	0.0459	0.018	-	07/01/2025 11:32	JWN,NIC4
43	L2539898-03 WG2085373	2.500	2.500	2.500	0.0168	0.0532	0.021	-	07/01/2025 11:35	JWN,NIC4
44	L2539898-04 WG2085373	2.500	2.500	2.500	0.0099	0.0466	0.019	-	07/01/2025 11:38	JWN,NIC4
45	WG2085575-1 WG2085575	2.500	2.500	2.500	0.0045	0.0414	0.017	-	07/01/2025 11:55	JWN,NIC4
46	WG2085575-2 WG2085575	2.500	2.500	2.500	2.1772	2.1289	0.852	-	07/01/2025 11:58	JWN,NIC4
47	L2538045-01 WG2085575	2.500	2.500	2.500	0.0158	0.0523	0.021	-	07/01/2025 12:01	JWN,NIC4
48	WG2085575-3 WG2085575	2.500	2.500	2.500	10.6863	10.3041	4.122	-	07/01/2025 12:05	JWN,NIC4
49	Check STD(5ug/L)	2.500	2.500	2.500	12.7591	12.2956	4.918	98.4	07/01/2025 12:08	JWN,NIC4
50	Check Blank	2.500	2.500	2.500	0.0300	0.0659	0.026	-	07/01/2025 12:11	JWN,NIC4
51	WG2085575-4 WG2085575	2.500	2.500	2.500	0.0326	0.0684	0.027	-	07/01/2025 12:15	JWN,NIC4
52	L2539062-01 WG2085575	2.500	2.500	2.500	0.0315	0.0674	0.027	-	07/01/2025 12:18	JWN,NIC4
53	L2539091-02 WG2085575	2.500	2.500	2.500	0.0150	0.0515	0.021	-	07/01/2025 12:21	JWN,NIC4
54	L2539693-01 WG2085575	2.500	2.500	2.500	0.0124	0.0490	0.020	-	07/01/2025 12:24	JWN,NIC4
55	L2540463-01 WG2085575	2.500	2.500	2.500	0.0138	0.0504	0.020	-	07/01/2025 12:28	JWN,NIC4
56	L2540493-01 WG2085575	2.500	2.500	2.500	0.0170	0.0534	0.021	-	07/01/2025 12:31	JWN,NIC4
57	L2540493-02 WG2085575	2.500	2.500	2.500	0.0169	0.0533	0.021	-	07/01/2025 12:34	JWN,NIC4
58	L2540493-03 WG2085575	2.500	2.500	2.500	0.0225	0.0587	0.023	-	07/01/2025 12:38	JWN,NIC4
59	L2540493-04 WG2085575	2.500	2.500	2.500	0.0108	0.0475	0.019	-	07/01/2025 12:41	JWN,NIC4
60	L2540493-05 WG2085575	2.500	2.500	2.500	0.0061	0.0430	0.017	-	07/01/2025 12:44	JWN,NIC4
61	Check STD(5ug/L)	2.500	2.500	2.500	12.0869	11.6498	4.660	93.2	07/01/2025 12:48	JWN,NIC4
62	Check Blank	2.500	2.500	2.500	0.0270	0.0630	0.025	-	07/01/2025 12:51	JWN,NIC4
63	L2540673-01 WG2085575	2.500	2.500	2.500	0.0063	0.0432	0.017	-	07/01/2025 12:54	JWN,NIC4
64	L2540673-03 WG2085575	2.500	2.500	2.500	0.0063	0.0432	0.017	-	07/01/2025 12:57	JWN,NIC4
65	L2540673-05 WG2085575	2.500	2.500	2.500	0.0016	0.0386	0.015	-	07/01/2025 13:01	JWN,NIC4
66	L2540838-01 WG2085575	2.500	2.500	2.500	0.0119	0.0485	0.019	-	07/01/2025 13:04	JWN,NIC4
67	L2540838-02 WG2085575	2.500	2.500	2.500	0.0236	0.0598	0.024	-	07/01/2025 13:07	JWN,NIC4
68	L2540838-03 WG2085575	2.500	2.500	2.500	-0.0009	0.0362	0.014	-	07/01/2025 13:11	JWN,NIC4
69	WG2085373-2 WG2085373	2.500	2.500	2.500	2.2394	2.1886	0.875	-	07/01/2025 13:14	JWN,NIC4
70	Check STD(5ug/L)	2.500	2.500	2.500	12.7442	12.2813	4.913	98.3	07/01/2025 13:24	JWN,NIC4

No.	NAME	SVOL [mL]	CVOL [mL]	DVOL [mL]	AREA [ON]	MEAS [ng]	CONC [ug/L]	Recovery [%]	M. TIME	Note
71	Check Blank	2.500	2.500	2.500	0.0246	0.0607	0.024	-	07/01/2025 13:28	JWN,NIC4
72	WG2085584-1 WG2085584	2.500	2.500	2.500	-0.0038	0.0335	0.013	-	07/01/2025 13:51	JWN,NIC4
73	WG2085584-2 WG2085584	2.500	2.500	2.500	2.1728	2.1247	0.850	-	07/01/2025 13:54	JWN,NIC4
74	L2536905-01 WG2085584	2.500	2.500	2.500	1.8158	1.7817	0.713	-	07/01/2025 13:57	JWN,NIC4
75	WG2085584-3 WG2085584	2.500	2.500	2.500	12.7713	12.3073	4.923	-	07/01/2025 14:01	JWN,NIC4
76	WG2085584-4 WG2085584	2.500	2.500	2.500	1.8424	1.8072	0.723	-	07/01/2025 14:04	JWN,NIC4
77	L2536905-02 WG2085584	2.500	2.500	2.500	0.8896	0.8918	0.357	-	07/01/2025 14:07	JWN,NIC4
78	WG2085595-1 WG2085595	2.500	2.500	2.500	-0.0058	0.0315	0.013	-	07/01/2025 14:11	JWN,NIC4
79	WG2085595-2 WG2085595	2.500	2.500	2.500	2.1446	2.0976	0.839	-	07/01/2025 14:14	JWN,NIC4
80	L2536905-08 WG2085595	2.500	2.500	2.500	0.0133	0.0499	0.020	-	07/01/2025 14:17	JWN,NIC4
81	WG2085595-3 WG2085595	2.500	2.500	2.500	10.6774	10.2956	4.118	-	07/01/2025 14:21	JWN,NIC4
82	Check STD(5ug/L)	2.500	2.500	2.500	13.1624	12.6831	5.073	101.5	07/01/2025 14:29	JWN,NIC4
83	Check Blank	2.500	2.500	2.500	0.0253	0.0614	0.025	-	07/01/2025 14:33	JWN,NIC4
84	WG2085595-4 WG2085595	2.500	2.500	2.500	0.0135	0.0501	0.020	-	07/01/2025 14:36	JWN,NIC4
85	Check STD(5ug/L)	2.500	2.500	2.500	13.1245	12.6467	5.059	101.2	07/01/2025 14:43	JWN,NIC4
86	Check Blank	2.500	2.500	2.500	0.0228	0.0590	0.024	-	07/01/2025 14:47	JWN,NIC4
87	WG2085881-1 WG2085881	2.500	2.500	2.500	-0.0109	0.0266	0.011	-	07/01/2025 18:13	JWN,NIC4
88	WG2085881-2 WG2085881	2.500	2.500	2.500	2.1533	2.1059	0.842	-	07/01/2025 18:16	JWN,NIC4
89	I2540184-01 WG2085881	2.500	2.500	2.500	-0.0029	0.0343	0.014	-	07/01/2025 18:20	JWN,NIC4
90	WG2085881-3 WG2085881	2.500	2.500	2.500	10.7903	10.4041	4.162	-	07/01/2025 18:23	JWN,NIC4
91	WG2085881-4 WG2085881	2.500	2.500	2.500	-0.0082	0.0292	0.012	-	07/01/2025 18:26	JWN,NIC4
92	Check STD(5ug/L)	2.500	2.500	2.500	13.0730	12.5972	5.039	100.8	07/01/2025 18:32	JWN,NIC4
93	Check Blank	2.500	2.500	2.500	-0.0086	0.0288	0.012	-	07/01/2025 18:35	JWN,NIC4

MERCURY TRUE VALUE CRITERIA

ICV	3 ug/l
LCSW	1 ug/l
MS	1 ug/l
CCV	5 ug/l

As of 6/1/13, Mercury True Value criteria is as follows:

ICV	3 ug/l
LCSW	1 ug/l
MS(aq)	5 ug/l
MS(soil)	1 ug/l
CCV	10 ug/l

▪ Certificate of Analysis ▪

Product: Metals in Soil
Catalog Number: 540
Lot No. D102-540
Certificate Issue Date: June 22, 2018
Expiration Date: January 31, 2022
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 030512.

CERTIFICATION

Parameter	Certified Value ¹	Reference Value	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	10100	8160	6.36	3960 - 12400	4080 - 12200
Antimony	120	60.9	9.42	0.822 - 121	12.0 - 166
Arsenic	144	135	5.08	112 - 158	94.6 - 176
Barium	469	443	6.77	366 - 521	332 - 554
Beryllium	207	197	5.86	164 - 229	148 - 246
Boron	213	174	12.6	127 - 221	105 - 244
Cadmium	224	204	6.65	169 - 240	153 - 256
Calcium	5190	4830	9.12	3950 - 5700	3510 - 6150
Chromium	138	132	8.56	109 - 155	92.2 - 171
Cobalt	182	179	7.93	151 - 207	134 - 224
Copper	191	184	6.72	155 - 213	138 - 230
Iron	15000	14400	10.7	8770 - 20000	5120 - 23600
Lead	225	216	7.72	178 - 254	159 - 274
Magnesium	2570	2340	6.13	1780 - 2900	1460 - 3230
Manganese	331	323	6.71	266 - 380	242 - 404
Mercury	16.8	13.2	16.0	8.64 - 17.7	7.89 - 18.5
Molybdenum	193	175	2.39	141 - 209	125 - 226
Nickel	163	152	5.95	126 - 178	106 - 197
Potassium	2420	2050	6.31	1440 - 2660	1210 - 2890
Selenium	81.9	74.9	4.13	59.3 - 90.5	47.0 - 103
Silver	57.6	53.9	9.00	43.0 - 64.8	37.8 - 70.0
Sodium	161	149	12.1	111 - 188	57.7 - 241
Strontium	100	96.2	4.04	78.1 - 114	69.0 - 123
Thallium	253	232	3.54	188 - 276	168 - 296

▪ Certificate of Analysis ▪

Parameter	Certified Value ¹	Reference Value	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Tin	146	134	10.8	106 - 163	79.5 - 189
Titanium	449	340	7.20	70.2 - 609	44.9 - 711
Uranium	114	113	7.10	85.5 - 140	71.9 - 153
Vanadium	180	172	8.85	137 - 207	126 - 218
Zinc	217	211	6.58	171 - 250	147 - 274

ANALYTICAL VERIFICATION

Parameter	Certified Value ¹	Proficiency Testing Study			NIST Traceability	
		Mean	Recovery ⁵	n	SRM Number	Recovery
	mg/kg	mg/kg	%			%
Aluminum	10100	8160	80.8	138	-	-
Antimony	120	60.9	50.8	135	-	-
Arsenic	144	135	93.8	184	-	-
Barium	469	443	94.5	158	-	-
Beryllium	207	197	95.0	148	-	-
Boron	213	174	81.8	107	-	-
Cadmium	224	204	91.3	199	-	-
Calcium	5190	4830	93.0	122	-	-
Chromium	138	132	95.5	172	-	-
Cobalt	182	179	98.4	140	-	-
Copper	191	184	96.3	183	-	-
Iron	15000	14400	95.6	133	-	-
Lead	225	216	96.2	204	-	-
Magnesium	2570	2340	91.2	122	-	-
Manganese	331	323	97.6	147	-	-
Mercury	16.8	13.2	78.3	128	-	-
Molybdenum	193	175	90.8	143	-	-
Nickel	163	152	93.1	185	-	-
Potassium	2420	2050	84.7	121	-	-
Selenium	81.9	74.9	91.5	163	-	-

▪ Certificate of Analysis ▪

Parameter	Certified Value ¹	Proficiency Testing Study		n	NIST Traceability	
		Mean	Recovery ⁵		SRM Number	Recovery
	mg/kg	mg/kg	%			%
Silver	57.6	53.9	93.6	150	-	-
Sodium	161	149	92.8	105	-	-
Strontium	100	96.2	96.2	90	-	-
Thallium	253	232	91.6	147	-	-
Tin	146	134	92.0	100	-	-
Titanium	449	340	75.6	93	-	-
Uranium	114	113	98.8	35	-	-
Vanadium	180	172	95.4	139	-	-
Zinc	217	211	97.0	180	-	-

1. The **Certified Values** are the actual "made-to" concentrations confirmed by ERA analytical verification. The certified values are monitored and purchasers will be notified of any significant changes resulting in recertification or withdrawal of this certified reference material during the period of validity of this certificate.

2. The **Uncertainty** is the total propagated uncertainty at the 95% confidence interval. The uncertainty is based on the preparation and internal analytical verification of the product by ERA, multiplied by a coverage factor. The uncertainty applies to the product as supplied and does not take into account any required or optional dilution and/or preparations the laboratory may perform while using this product.

3. The **QC Performance Acceptance Limits (QC PALs™)** are based on actual historical data collected in ERA's Proficiency Testing program. The QC PALs™ reflect any inherent biases in the methods used to establish the limits and closely approximate a 95% confidence interval of the performance that experienced laboratories should achieve using accepted environmental methods. Use the QC PALs™ to realistically evaluate your performance against your peers.

4. The **PT Performance Acceptance Limits (PT PALs™)** are calculated using the regression equations and fixed acceptance criteria specified in the NELAC proficiency testing requirements. Use the PT PALs™ when analyzing this QC standard alongside USEPA and NELAC compliant PT standards. Please note that many PT study acceptance limits are concentration dependent (some non-linearly) and, therefore, the acceptance limits of this QC standard and any PT standard may differ relative to their difference in concentrations.

5. The **PT Data/Traceability** data include the mean value, percent recovery and number of data points reported by the laboratories in our Proficiency Testing study compared to the Certified Values. In addition, where NIST Standard Reference Materials (SRMs) are available, each analyte has been analytically traced to the NIST SRM listed. This product is traceable to the lot numbers of its starting materials. All gravimetric and volumetric measurements related to its manufacture are traceable to NIST through an unbroken chain of comparisons.

Traceability Recovery (%) = [(% recovery certified standard)/(% recovery NIST SRM)]*100

The traceability data shown were compiled by analyzing the ERA standards or their associated stock solutions against the applicable NIST SRMs.

6. For additional information on this product such as intended use, instructions for use, level of homogeneity, and safety information, please refer to the provided Instruction Sheet

If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or send an email to info@eraqc.com.

Certifying Officer

Brian Miller

Quality Officer

Matthew Seebeck




ISO/IEC GUIDE 34:2009

ISO/IEC 17025:2005



Page 3 of 3 Lot: D102-540



A Waters Company

Reference Material

▪ Certificate of Analysis ▪

Product: Metals in Soil
Catalog Number: 540
Lot No. D105-540
Certificate Issue Date: March 19, 2019
Expiration Date: October 12, 2022
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 030512.

CERTIFICATION

Parameter	Certified Value ¹	Reference Value	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	10100	8800	8.32	4600 - 13000	4470 - 13100
Antimony	282	147	7.70	6.17 - 289	28.2 - 366
Arsenic	155	143	6.34	119 - 168	100 - 186
Barium	439	415	5.37	343 - 488	311 - 519
Beryllium	192	179	2.78	149 - 210	134 - 224
Boron	216	160	7.08	113 - 208	96.1 - 238
Cadmium	61.5	56.2	0.528	46.6 - 65.9	42.2 - 70.3
Calcium	5190	4960	6.64	4090 - 5840	3610 - 6310
Chromium	104	101	4.75	83.2 - 118	70.5 - 131
Cobalt	196	189	0.500	158 - 219	141 - 236
Copper	65.0	63.1	2.65	53.1 - 73.1	47.3 - 78.9
Iron	15000	15700	8.94	10100 - 21300	6000 - 25400
Lead	126	125	4.77	103 - 146	89.3 - 160
Magnesium	2570	2410	6.26	1860 - 2970	1520 - 3310
Manganese	387	382	5.37	315 - 449	290 - 474
Mercury	7.76	7.61	13.7	5.53 - 9.69	4.57 - 10.7
Molybdenum	120	107	0.500	86.0 - 128	75.5 - 139
Nickel	117	108	0.514	89.5 - 127	75.7 - 141
Potassium	2420	2110	5.62	1500 - 2720	1260 - 2960
Selenium	84.6	77.9	7.10	61.8 - 94.0	49.2 - 107
Silver	34.6	34.3	8.34	27.8 - 40.9	23.6 - 45.1
Sodium	161	145	6.72	106 - 183	54.3 - 235
Strontium	104	104	3.95	85.1 - 123	74.8 - 133
Thallium	123	113	0.500	91.3 - 134	77.1 - 149

Page 1 of 3 Lot: D105-540

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▪ Certificate of Analysis ▪

Parameter	Certified Value ¹	Reference Value	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Tin	118	107	0.500	83.5 - 130	61.2 - 152
Titanium	512	421	5.80	114 - 728	0.00 - 854
Uranium	103	104	6.18	79.1 - 128	71.9 - 135
Vanadium	87.3	83.7	8.55	66.8 - 101	54.2 - 113
Zinc	251	240	3.98	194 - 285	168 - 312

ANALYTICAL VERIFICATION

Parameter	Certified Value ¹	Proficiency Testing Study			NIST Traceability	
		Mean	Recovery ⁵	n	SRM Number	Recovery
	mg/kg	mg/kg	%			%
Aluminum	10100	8800	87.1	193	-	-
Antimony	282	147	52.3	216	-	-
Arsenic	155	143	92.5	240	-	-
Barium	439	415	94.6	222	-	-
Beryllium	192	179	93.4	220	-	-
Boron	216	160	74.2	152	-	-
Cadmium	61.5	56.2	91.5	239	-	-
Calcium	5190	4960	95.6	175	-	-
Chromium	104	101	96.8	237	-	-
Cobalt	196	189	96.2	215	-	-
Copper	65.0	63.1	97.1	237	-	-
Iron	15000	15700	105	195	-	-
Lead	126	125	99.0	243	-	-
Magnesium	2570	2410	93.9	177	-	-
Manganese	387	382	98.7	215	-	-
Mercury	7.76	7.61	98.0	157	-	-
Molybdenum	120	107	89.4	216	-	-
Nickel	117	108	92.5	235	-	-
Potassium	2420	2110	87.2	181	-	-
Selenium	84.6	77.9	92.1	231	-	-

▪ Certificate of Analysis ▪

Parameter	Certified Value ¹	Proficiency Testing Study		n	NIST Traceability	
		Mean	Recovery ⁵		SRM Number	Recovery
	mg/kg	mg/kg	%			%
Silver	34.6	34.3	99.3	216	-	-
Sodium	161	145	89.8	166	-	-
Strontium	104	104	99.9	148	-	-
Thallium	123	113	91.8	215	-	-
Tin	118	107	90.4	164	-	-
Titanium	512	421	82.2	157	-	-
Uranium	103	104	101	61	-	-
Vanadium	87.3	83.7	95.9	214	-	-
Zinc	251	240	95.5	234	-	-

1. The **Certified Values** are the actual "made-to" concentrations confirmed by ERA analytical verification. The certified values are monitored and purchasers will be notified of any significant changes resulting in recertification or withdrawal of this reference material during the period of validity of this certificate.

2. The **Uncertainty** is the total propagated uncertainty at the 95% confidence interval. The uncertainty is based on the preparation and internal analytical verification of the product by ERA, multiplied by a coverage factor. The uncertainty applies to the product as supplied and does not take into account any required or optional dilution and/or preparations the laboratory may perform while using this product.

3. The **QC Performance Acceptance Limits (QC PALs™)** are based on actual historical data collected in ERA's Proficiency Testing program. The QC PALs™ reflect any inherent biases in the methods used to establish the limits and closely approximate a 95% confidence interval of the performance that experienced laboratories should achieve using accepted environmental methods. Use the QC PALs™ to realistically evaluate your performance against your peers.

4. The **PT Performance Acceptance Limits (PT PALs™)** are calculated using the regression equations and fixed acceptance criteria specified in the NELAC proficiency testing requirements. Use the PT PALs™ when analyzing this QC standard alongside USEPA and NELAC compliant PT standards. Please note that many PT study acceptance limits are concentration dependent (some non-linearly) and, therefore, the acceptance limits of this QC standard and any PT standard may differ relative to their difference in concentrations.

5. The **PT Data/Traceability** data include the mean value, percent recovery and number of data points reported by the laboratories in our Proficiency Testing study compared to the Certified Values. In addition, where NIST Standard Reference Materials (SRMs) are available, each analyte has been analytically traced to the NIST SRM listed. This product is traceable to the lot numbers of its starting materials. All gravimetric and volumetric measurements related to its manufacture are traceable to NIST through an unbroken chain of comparisons.

Traceability Recovery (%) = [(% recovery certified standard)/(% recovery NIST SRM)]*100

The traceability data shown were compiled by analyzing the ERA standards or their associated stock solutions against the applicable NIST SRMs.

6. For additional information on this product such as intended use, instructions for use, level of homogeneity, and safety information, please refer to the provided Instruction Sheet

If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or send an email to info@eraqc.com.

Certifying Officer

Brian Miller

Quality Officer

Matthew Seebeck



ISO/IEC 17025:2005
ISO/IEC 17025:2005


Page 3 of 3 Lot: D105-540



A Waters Company

Certified Reference Material

▪ Certificate of Analysis ▪

Product: Metals in Soil
Catalog Number: 540
Lot No. D109-540
Certificate Issue Date: March 24, 2020
Expiration Date: October 03, 2023
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 090119.

CERTIFICATION

Parameter	Certified Value ¹	Reference Value ⁷	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	10100	8130	2.54	3920 - 12300	4060 - 12200
Antimony	259	134	5.03	4.56 - 264	25.9 - 335
Arsenic	171	156	3.38	129 - 183	109 - 203
Barium	253	239	4.81	197 - 280	179 - 298
Beryllium	179	169	6.59	141 - 198	127 - 212
Boron	114	87.5	10.3	62.5 - 113	52.5 - 125
Cadmium	149	137	5.43	113 - 160	103 - 171
Calcium	5190	4760	3.48	3890 - 5640	3460 - 6070
Chromium	163	154	3.79	126 - 181	108 - 200
Cobalt	127	121	5.07	101 - 141	90.8 - 151
Copper	57.0	54.9	4.13	46.1 - 63.6	41.1 - 68.6
Iron	15000	14100	6.27	8470 - 19700	4920 - 23200
Lead	133	130	3.00	107 - 152	93.3 - 167
Magnesium	2570	2320	3.32	1760 - 2880	1440 - 3200
Manganese	277	269	2.67	221 - 317	199 - 340
Mercury	21.6	20.5	7.72	14.7 - 26.3	12.3 - 28.6
Molybdenum	108	95.4	2.61	76.4 - 114	66.9 - 124
Nickel	58.7	53.9	4.97	44.5 - 63.3	37.7 - 70.0
Potassium	2420	2020	3.06	1410 - 2630	1190 - 2850
Selenium	181	167	5.63	132 - 201	113 - 221
Silver	35.5	33.6	5.20	26.8 - 40.3	23.0 - 44.1
Sodium	161	133	2.76	95.1 - 171	46.5 - 220
Strontium	89.7	87.9	4.59	71.7 - 104	62.8 - 113
Thallium	121	112	5.19	90.3 - 133	76.1 - 147

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Certified Reference Material

▪ Certificate of Analysis ▪

Parameter	Certified Value ¹	Reference Value ⁷	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Tin	83.5	74.0	5.42	57.6 - 90.4	39.7 - 108
Titanium	474	333	7.17	48.6 - 617	46.3 - 620
Uranium	51.9	51.9	3.36	39.6 - 64.3	35.9 - 68.0
Vanadium	68.1	62.6	6.00	49.4 - 75.8	37.0 - 88.3
Zinc	165	158	2.34	128 - 188	111 - 205

▪ Certificate of Analysis ▪

ANALYTICAL VERIFICATION

Parameter	Certified Value ¹	Proficiency Testing Study		n	NIST Traceability	
		Mean	Recovery ⁵		SRM Number ⁶	Recovery
	mg/kg	mg/kg	%			%
Aluminum	10100	8130	80.5	196	-	-
Antimony	259	134	51.8	217	-	-
Arsenic	171	156	91.3	243	-	-
Barium	253	239	94.3	230	-	-
Beryllium	179	169	94.6	223	-	-
Boron	114	87.5	76.7	150	-	-
Cadmium	149	137	91.8	249	-	-
Calcium	5190	4760	91.8	184	-	-
Chromium	163	154	94.4	245	-	-
Cobalt	127	121	95.3	221	-	-
Copper	57.0	54.9	96.2	243	-	-
Iron	15000	14100	93.9	199	-	-
Lead	133	130	97.7	251	-	-
Magnesium	2570	2320	90.1	182	-	-
Manganese	277	269	97.2	220	-	-
Mercury	21.6	20.5	94.7	172	-	-
Molybdenum	108	95.4	88.3	218	-	-
Nickel	58.7	53.9	91.8	242	-	-
Potassium	2420	2020	83.5	187	-	-
Selenium	181	167	92.2	235	-	-
Silver	35.5	33.6	94.5	222	-	-
Sodium	161	133	82.7	177	-	-
Strontium	89.7	87.9	98.0	151	-	-
Thallium	121	112	92.2	219	-	-
Tin	83.5	74.0	88.6	170	-	-
Titanium	474	333	70.3	157	-	-
Uranium	51.9	51.9	100	60	-	-
Vanadium	68.1	62.6	91.9	213	-	-
Zinc	165	158	95.8	238	-	-

▪ Certificate of Analysis ▪

1. The **Certified Values** are the actual gravimetric/volumetric "made-to" concentrations confirmed by ERA analytical verification. The certified values are monitored and purchasers will be notified of any significant changes resulting in recertification or withdrawal of this certified reference material during the period of validity of this certificate.

2. The **Uncertainty** represents an expanded uncertainty and approximates a 95% confidence interval. The uncertainty is based on the characterization, homogeneity and stability characteristics of the product, multiplied by a coverage factor ($k=2$). The uncertainty applies to the product as supplied and does not take into account any required or optional dilution and/or preparations the laboratory may perform while using this product. The formula used to calculate the expanded uncertainty is:

$$U_{\text{expanded}} = k * \text{SQRT}((U_{\text{char}})^2 + (U_{\text{homogen}})^2 + (U_{\text{LTS}})^2 + (U_{\text{STS}})^2 + (U_{\text{RSS}})^2)$$

Where:

U_{expanded} = Expanded uncertainty.

k = Coverage factor.

U_{char} = Combined standard uncertainty of the manufacturing and/or analytical verification assessment.

U_{homogen} = Standard uncertainty of the homogeneity assessment.

U_{LTS} = Standard uncertainty associated with long-term stability.

U_{STS} = Standard uncertainty associated with short-term (transport) stability.

U_{RSS} = Standard uncertainty associated with repeated sampling of the product (where permitted by product use instructions).

3. The **QC Performance Acceptance Limits (QC PALs™)** are based on actual historical data collected in ERA's Proficiency Testing program. The QC PALs™ reflect any inherent biases in the methods used to establish the limits and closely approximate a 95% confidence interval of the performance that experienced laboratories should achieve using accepted environmental methods. Use the QC PALs™ to realistically evaluate your performance against your peers.

4. The **PT Performance Acceptance Limits (PT PALs™)** are calculated using the regression equations and fixed acceptance criteria specified in the NELAC proficiency testing requirements. Use the PT PALs™ when analyzing this certified reference material alongside USEPA and NELAC compliant PT study materials. Please note that many PT study acceptance limits are concentration dependent (some non-linearly) and therefore, the acceptance limits of this certified reference material and any PT study material may differ relative to their difference in concentrations.

5. The **PT Performance Data** include the mean value, percent recovery and number of data points reported by laboratories in our Proficiency Testing study compared to the Certified Values. In the event this lot was not used in a proficiency testing scheme, the data displayed was generated internally by ERA.

6. Where NIST Standard Reference Materials (SRMs) are available, each analyte has been analytically traced to the NIST SRM listed. **Analytical Traceability Recovery (%)** = $[(\% \text{ recovery ERA certified reference material}) / (\% \text{ recovery NIST SRM})] * 100$

The traceability data shown were compiled by analyzing this ERA certified reference material and/or its associated stock solution(s) against the applicable NIST SRMs.

7. The **Reference Values** are equal to the mean recoveries for the parameters as determined in an interlaboratory round robin study. The **Reference Values** represent the expected performance for the analytes in this standard. ERA recommends using the **Reference Values** when assessing or evaluating your results.

8. **Metrological Traceability.** This certified reference material is metrologically traceable to NIST mass reference materials through an unbroken chain of comparisons.

9. For additional information on this product such as intended use, storage information, instructions for use, minimum sample size, and safety information, please refer to the Product Use Instructions provided.

If you have any questions or need technical assistance, please call ERA technical assistance at 1-800-372-0122 or send an email to info@eraqc.com.

Certifying Officer

Brian Miller

Quality Officer

Matthew Seebeck

Brian Miller

Matthew Seebeck





A Waters Company

Certified Reference Material

▪ Certificate of Analysis ▪

Product: Metals in Soil
Catalog Number: 540
Lot No. D113-540
Certificate Issue Date: March 23, 2021
Expiration Date: October 13, 2024
Revision Number: Original

Product use instructions are included as part of the certification packet and are paginated separately from this Certificate of Analysis. Please reference the product use instructions for catalog #540 revision 090119.

CERTIFICATION



Parameter	Certified Value ¹	Reference Value	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Aluminum	10100	8630	12.0	4420 - 12800	4370 - 12900
Antimony	256	129	16.8	0.742 - 257	25.6 - 323
Arsenic	91.6	84.5	15.1	70.0 - 99.0	59.2 - 110
Barium	259	249	9.94	206 - 292	187 - 311
Beryllium	175	163	3.89	135 - 191	122 - 204
Boron	95.7	76.7	12.8	55.7 - 97.7	48.0 - 107
Cadmium	107	99.0	11.5	82.2 - 116	74.2 - 124
Calcium	5190	4760	11.8	3890 - 5640	3460 - 6070
Chromium	129	122	14.6	101 - 144	85.7 - 159
Cobalt	63.6	61.7	11.5	51.9 - 71.6	46.3 - 77.2
Copper	62.3	61.5	12.3	51.9 - 71.0	46.1 - 76.8
Iron	15000	14500	15.7	8860 - 20100	5190 - 23800
Lead	122	123	13.9	103 - 144	88.3 - 158
Lithium	6.42	7.30	18.7	5.13 - 9.48	3.20 - 11.4
Magnesium	2570	2360	8.87	1810 - 2920	1480 - 3250
Manganese	470	456	13.4	375 - 538	350 - 563
Mercury	22.1	18.9	14.5	13.0 - 24.8	11.3 - 26.4
Molybdenum	80.1	72.8	11.0	58.7 - 87.0	50.5 - 95.2
Nickel	143	135	14.2	112 - 158	94.7 - 176
Potassium	2420	2090	8.21	1480 - 2700	1240 - 2940
Selenium	128	121	11.7	96.9 - 146	80.4 - 162
Silver	45.4	44.1	6.69	35.5 - 52.8	30.7 - 57.6
Sodium	161	136	9.34	97.4 - 174	48.1 - 223
Strontium	82.2	82.3	8.42	67.4 - 97.1	58.6 - 106

Page 1 of 4 Lot: D113-540

16341 Table Mountain Pkwy ▪ Golden, CO 80403 ▪ T: 800.372.0122 ▪ 303.431.8454 ▪ www.eraqc.com

Certified Reference Material

▪ Certificate of Analysis ▪

Parameter	Certified Value ¹	Reference Value	Uncertainty ²	QC Performance Acceptance Limits ³	PT Performance Acceptance Limits ⁴
	mg/kg	mg/kg	%	mg/kg	mg/kg
Thallium	154	144	7.54	117 - 171	101 - 187
Tin	89.7	79.8	14.0	62.2 - 97.4	43.5 - 116
Titanium	705	546	10.3	123 - 969	118 - 974
Uranium	29.5	30.9	3.38	23.9 - 37.9	21.3 - 40.5
Vanadium	196	186	14.2	148 - 224	138 - 235
Zinc	307	295	10.4	240 - 351	207 - 384

Calculation of 7470A Mercury

Calculate Mercury concentration from the daily calibration curve.
The curve is generated utilizing a straight-line equation defined as:

$$A = k1 + k2C$$

Where:

A = Average peak height of the sample/standard integrations

C = Sample/Standard Concentration, $\mu\text{g/L}$

k1 = y-intercept

k2 = slope

The instrument will plot peak height against concentration ($\mu\text{g/L}$).
The result is generated in $\mu\text{g/L}$. This value is divided by 1000 to convert the units to mg/L . If the sample is diluted (DF), the result is multiplied by the DF to generate the final result.

$$\text{Result, mg/L} = (\text{concentration, } \mu\text{g/L}) \times (1\text{mg}/1000\mu\text{g}) \times (\text{DF})$$

Calculation of 7471B Mercury

Calculate Mercury concentration from the daily calibration curve.
The curve is generated utilizing a straight-line equation defined as:

$$A = k1 + k2C$$

Where:

A = Average peak height of the sample/standard integrations

C = Sample/Standard Concentration, $\mu\text{g/L}$

k1 = y-intercept

k2 = slope

The instrument will plot peak height against concentration ($\mu\text{g/L}$).
The result is generated in $\mu\text{g/L}$. This value is divided by 1000 to convert the units to mg/L . If the sample is diluted (DF), the result is multiplied by the DF to generate the final result.

$$\text{Result, mg/L} = (\text{concentration, } \mu\text{g/L}) \times (1\text{mg}/1000\mu\text{g}) \times (\text{DF})$$

The result in mg/kg is calculated on a dry weight basis using the sample weight digested(Wt), the final volume of the digestate(FV), and the percent total solids(%TS).

$$\text{Result, mg/kg, wet} = ((\text{result, mg/L}) \times (\text{FV})) / \text{Wt}$$

$$\text{Result, mg/kg, dry wt} = (\text{Result, mg/kg wet}) / (\% \text{TS})$$

No.	Sample No. NAME	curve: WG2085463
1	1 STD	
2	2 STD	
3	3 STD	
4	4 STD	
5	5 STD	
6	6 STD	
1	7 ICV	
2	8 ICB	
3	9 wg2085213-1 wg2085213	
4	10 xwg2085213-2 wg2085213	
5	11 l2538805-01 wg2085213	
6	12 wg2085213-3 wg2085213	
7	13 wg2085213-4 wg2085213	
8	14 l2538805-02 wg2085213	
9	15 l2538805-03 wg2085213	
10	16 l2538805-04 wg2085213	
11	17 l2538805-05 wg2085213	
12	18 l2538805-06 wg2085213	
13	19 Check STD(5ug/L)	
14	20 Check Blank	
15	21 xWG2085408-2 WG2085408	
16	22 WG2085347-1 WG2085347	
17	23 WG2085347-2 WG2085347	
18	24 L2538805-03 WG2085347	
19	25 WG2085347-3 WG2085347	
20	26 WG2085347-4 WG2085347	
21	27 wg2085213-2 wg2085213	
22	28 L2538805-01 WG2085347	
23	29 L2538805-02 WG2085347	
24	30 L2538805-04 WG2085347	
25	31 Check STD(5ug/L)	
26	32 Check Blank	
27	33 L2538805-05 WG2085347	
28	34 L2538805-06 WG2085347	
29	35 WG2085373-1 WG2085373	
30	36 XWG2085373-2 WG2085373	
31	37 L2539454-01 WG2085373	
32	38 WG2085373-3 WG2085373	
33	39 WG2085373-4 WG2085373	
34	40 L2536917-01 WG2085373	
35	41 L2537793-01 WG2085373	
36	42 L2539456-01 WG2085373	
37	43 Check STD(5ug/L)	

38	44 Check Blank
39	45 L2539457-01 WG2085373
40	46 L2539459-01 WG2085373
41	47 L2539898-01 WG2085373
42	48 L2539898-02 WG2085373
43	49 L2539898-03 WG2085373
44	50 L2539898-04 WG2085373
45	51 WG2085575-1 WG2085575
46	52 WG2085575-2 WG2085575
47	53 L2538045-01 WG2085575
48	54 WG2085575-3 WG2085575
49	55 Check STD(5ug/L)
50	56 Check Blank
51	57 WG2085575-4 WG2085575
52	58 L2539062-01 WG2085575
53	59 L2539091-02 WG2085575
54	60 L2539693-01 WG2085575
55	61 L2540463-01 WG2085575
56	62 L2540493-01 WG2085575
57	63 L2540493-02 WG2085575
58	64 L2540493-03 WG2085575
59	65 L2540493-04 WG2085575
60	66 L2540493-05 WG2085575
61	67 Check STD(5ug/L)
62	68 Check Blank
63	69 L2540673-01 WG2085575
64	70 L2540673-03 WG2085575
65	71 L2540673-05 WG2085575
66	72 L2540838-01 WG2085575
67	73 L2540838-02 WG2085575
68	74 L2540838-03 WG2085575
69	75 WG2085373-2 WG2085373
70	79 Check STD(5ug/L)
71	80 Check Blank
72	1 WG2085584-1 WG2085584
73	2 WG2085584-2 WG2085584
74	3 L2536905-01 WG2085584
75	4 WG2085584-3 WG2085584
76	5 WG2085584-4 WG2085584
77	6 L2536905-02 WG2085584
78	7 WG2085595-1 WG2085595
79	8 WG2085595-2 WG2085595
80	9 L2536905-08 WG2085595
81	10 WG2085595-3 WG2085595

82	11 Check STD(5ug/L)
83	12 Check Blank
84	13 WG2085595-4 WG2085595
85	14 Check STD(5ug/L)
86	15 Check Blank
87	16 WG2085881-1 WG2085881
88	17 WG2085881-2 WG2085881
89	18 l2540184-01 WG2085881
90	19 WG2085881-3 WG2085881
91	20 WG2085881-4 WG2085881
92	23 Check STD(5ug/L)
93	24 Check Blank



METALS ELN REPORT

Workgroup: WG2085213

Digestion										
Prep Method	Acid Type 1	Acid 1 Lot	Acid Type 2	Acid 2 Lot	Spike Type	Lims Spike Lot	Spike Lot	Post Spike Spikelot	Spike Lot	Pipette Id
EPA 245.1	HNO3	24012902	H2SO4	24016430	METALS	METSPIKE	HG2525261340RCV2	METSPIKE	HG25252613328, 34440RCV2	
Additional Reagent/Std		K2O8S2		PS2525270942ADG						
		KMnO4		PP2525290840RJG						
		NaCl-NH2OH.HCl		HH2525281505MJR						
				ICV2525232138GAN						

Sample/Type	Digestion Date	Analyst	Sample Vol ml	Spike Amt ml	Start Date/Time	Hot Block Unit	Temperature (C)	Stop Date/Time	Final Vol	Comments
L2538805-01 SAMP	06/30/25 19:06	Maisie Mcqueen	25		06/30/25 19:06	8	95.3	06/30/25 21:06	25	
L2538805-02 SAMP	06/30/25 19:06	Maisie Mcqueen	25		06/30/25 19:06	8	95.3	06/30/25 21:06	25	
L2538805-03 SAMP	06/30/25 19:06	Maisie Mcqueen	25		06/30/25 19:06	8	95.3	06/30/25 21:06	25	
L2538805-04 SAMP	06/30/25 19:06	Maisie Mcqueen	25		06/30/25 19:06	8	95.3	06/30/25 21:06	25	
L2538805-05 SAMP	06/30/25 19:06	Maisie Mcqueen	25		06/30/25 19:06	8	95.3	06/30/25 21:06	25	
L2538805-06 SAMP	06/30/25 19:06	Maisie Mcqueen	25		06/30/25 19:06	8	95.3	06/30/25 21:06	25	
WG2085213-1 BLANK	06/30/25 19:06	Maisie Mcqueen	25		06/30/25 19:06	8	95.3	06/30/25 21:06	25	ELN:AC
WG2085213-2 LCS	06/30/25 19:06	Maisie Mcqueen	25	0.25	06/30/25 19:06	8	95.3	06/30/25 21:06	25	



METALS ELN REPORT

Workgroup: WG2085213

Sample/ Type	Digestion Date	Analyst	Sample Vol ml	Spike Amt ml	Start Date/Time	Hot Block Unit	Temperatur e (C)	Stop Date/Time	Final Vol	Comments
WG2085213-3 MS	06/30/25 19:06	Maisie Mcqueen	25	1.25	06/30/25 19:06	8	95.3	06/30/25 21:06	25	
WG2085213-4 DUP	06/30/25 19:06	Maisie Mcqueen	25		06/30/25 19:06	8	95.3	06/30/25 21:06	25	

Reagent	Actual Volume	Units
Sulfuric Acid (H2SO4)	1.25	ml
Nitric Acid (HNO3)	.625	ml
Potassium Permanganal	3.75	ml
Potassium Persulfate (K:	2	ml
NaCl-Hydroxylamine Hy	1.5	ml



METALS ELN REPORT

Workgroup: WG2085347

Digestion										
Prep Method	Acid Type 1	Acid 1 Lot	Acid Type 2	Acid 2 Lot	Spike Type	Lims Spike Lot	Spike Lot	Post Spike Spikelot	Spike Lot	Pipette Id
EPA 245.1	HNO3	24012902	H2SO4	24016430	METALS	METSPIKE	HG2525261340RCV2	METSPIKE	HG25252613328, 344	40RCV2
Additional Reagent/Std		K2O8S2		PS2525270942ADG						
		KMnO4		PP2525290840RJG						
		NaCl-NH2OH.HCl		HH2525281505MJR						
				ICV2525232138GAN						

Sample/Type	Digestion Date	Analyst	Lab Filtration Date	Sample Vol ml	Spike Amt	Start Date/Time	Hot Block Unit	Temperature (C)	Stop Date/Time	Final Vol	Comments
L2538805-01 SAMP	06/30/25 19:06	Maisie Mcqueen	NA	25		06/30/25 19:06	8	95.3	06/30/25 21:06	25	
L2538805-02 SAMP	06/30/25 19:06	Maisie Mcqueen	NA	25		06/30/25 19:06	8	95.3	06/30/25 21:06	25	
L2538805-03 SAMP	06/30/25 19:06	Maisie Mcqueen	NA	25		06/30/25 19:06	8	95.3	06/30/25 21:06	25	
L2538805-04 SAMP	06/30/25 19:06	Maisie Mcqueen	NA	25		06/30/25 19:06	8	95.3	06/30/25 21:06	25	
L2538805-05 SAMP	06/30/25 19:06	Maisie Mcqueen	NA	25		06/30/25 19:06	8	95.3	06/30/25 21:06	25	
L2538805-06 SAMP	06/30/25 19:06	Maisie Mcqueen	NA	25		06/30/25 19:06	8	95.3	06/30/25 21:06	25	
WG2085347-1 BLANK	06/30/25 19:06	Maisie Mcqueen	NA	25		06/30/25 19:06	8	95.3	06/30/25 21:06	25	ELN:AC
WG2085347-2 LCS	06/30/25 19:06	Maisie Mcqueen	NA	25	0.25	06/30/25 19:06	8	95.3	06/30/25 21:06	25	



METALS ELN REPORT

Workgroup: WG2085347

Sample/ Type	Digestion Date	Analyst	Lab Filtration Date	Sample Vol ml	Spike Amt	Start Date/Time	Hot Block Unit	Temperature (C)	Stop Date/Time	Final Vol	Comments
WG2085347-3 MS	06/30/25 19:06	Maisie Mcqueen	NA	25	1.25	06/30/25 19:06	8	95.3	06/30/25 21:06	25	
WG2085347-4 DUP	06/30/25 19:06	Maisie Mcqueen	NA	25		06/30/25 19:06	8	95.3	06/30/25 21:06	25	

Reagent	Actual Volume	Units
Sulfuric Acid (H2SO4)	1.25	ml
Nitric Acid (HNO3)	.625	ml
Potassium Permanganal	3.75	ml
Potassium Persulfate (K:	2	ml
NaCl-Hydroxylamine Hy	1.5	ml

Wet Chemistry

Total Nitrogen Analysis

Results

Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-01	Date Collected	: 06/19/25 11:10
Client ID	: MW-4S	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 06/30/25 13:23
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 107,-	Analyst	: JRO
Lab File ID	: WG2085327.csv	Instrument ID	:
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Total Nitrogen	2.5	0.30	0.30	

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-02	Date Collected	: 06/19/25 11:05
Client ID	: MW-4D2	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 06/30/25 13:23
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 107,-	Analyst	: JRO
Lab File ID	: WG2085327.csv	Instrument ID	:
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Total Nitrogen	1.8	0.30	0.30	



Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-03	Date Collected	: 06/19/25 10:00
Client ID	: SCDOH-DR	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 06/30/25 13:23
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 107,-	Analyst	: JRO
Lab File ID	: WG2085327.csv	Instrument ID	:
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Total Nitrogen	4.1	0.30	0.30	

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-04	Date Collected	: 06/19/25 08:38
Client ID	: MW-10S	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 06/30/25 13:23
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 107,-	Analyst	: JRO
Lab File ID	: WG2085327.csv	Instrument ID	:
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Total Nitrogen	1.4	0.30	0.30	

Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-05	Date Collected	: 06/19/25 08:50
Client ID	: MW-10D	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 06/30/25 13:23
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 107,-	Analyst	: JRO
Lab File ID	: WG2085327.csv	Instrument ID	:
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Total Nitrogen	0.37	0.30	0.30	



Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-06	Date Collected	: 06/19/25 12:00
Client ID	: EQUIPMENT BLANK	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 06/30/25 13:23
Sample Matrix	: Equipment Blank	Dilution Factor	: 1
Analytical Method	: 107,-	Analyst	: JRO
Lab File ID	: WG2085327.csv	Instrument ID	:
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Total Nitrogen	ND	0.30	0.30	U

Sample Raw Data

PACE ANALYTICAL LABS
WET CHEMISTRY DEPARTMENT
TOTAL NITROGEN

Last Change 3/5/13 GFF
File tnitrogen.xlt

Sample #: _____

Client: _____

Analysis: **Total Nitrogen**

Method: *Calculation from TKN & NO3/NO2*

Product: TNITROGEN
Analyte: Total Nitrogen,
Analysis Date: 6/30/2025 13:23
Technician: JRO
Work group: WG2085327
RL: 0.3 mg/L

	Sample Number	TKN (mg/L)	NO3/NO2 (mg/L)	RL Multiplier	Result (mg/L)
SAMP	L2534373-02	1.19	5.9	1.0	7.09
SAMP	L2535000-01	25.4	1	1.0	26.4
SAMP	L2535002-01	24.7	2.51	10.0	27.21
SAMP	L2535003-01	2.62	11.053	5.0	13.673
SAMP	L2535005-01	3.69	9.79	3.3	13.48
SAMP	L2535007-01	19.4	11.9	1.5	31.3
SAMP	L2535008-01	3.85	27.16	5.0	31.01
SAMP	L2535010-01	22.8	66.8	50.0	89.6
	L2538362-01	2.86	0.12	1.0	2.98
SAMP	L2538382-01	0.133	2.1	1.0	2.1
SAMP	L2538382-02	0.142	4.4	1.0	4.4
SAMP	L2538382-03	0	6.7	1.0	6.7
SAMP	L2538382-04	0.185	1.4	1.0	1.4
SAMP	L2538382-05	0	3.8	1.0	3.8
SAMP	L2538382-06	0	4.5	1.0	4.5
SAMP	L2538382-07	0.151	3.9	1.0	3.9
SAMP	L2538805-01	0.142	2.5	1.0	2.5
SAMP	L2538805-02	0.2	1.8	1.0	1.8
SAMP	L2538805-03	0.164	4.1	1.0	4.1
SAMP	L2538805-04	0.151	1.4	1.0	1.4
SAMP	L2538805-05	0.374	0.072	1.0	0.374
SAMP	L2538805-06	0.229	0	1.0	0.229
SAMP	L2539000-01	0.453	5	1.0	5.453
SAMP					

Calculations of Total Nitrogen

Calculate the concentration value based on results for TKN-N and NO₃/NO₂-N.

Aqueous samples:

$$\text{mgTN-N/L} = \text{TKN-N(mg/l)} + \text{NO}_3/\text{NO}_2\text{-N (mg/l)}$$

Soil samples:

$$\text{mgTN-N/Kg} = \text{TKN-N(mg/Kg)} + \text{NO}_3/\text{NO}_2\text{-N(mg/Kg)}$$

Total Kjeldahl Nitrogen Analysis

Results

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-01	Date Collected	: 06/19/25 11:10
Client ID	: MW-4S	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 06/27/25 22:25
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500NH3-H	Analyst	: MRM
Lab File ID	: NH3250627-E1	Instrument ID	: LACHAT
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 06/26/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Total Kjeldahl	0.142	0.300	0.066	J

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-02	Date Collected	: 06/19/25 11:05
Client ID	: MW-4D2	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 06/27/25 22:26
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500NH3-H	Analyst	: MRM
Lab File ID	: NH3250627-E1	Instrument ID	: LACHAT
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 06/26/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Total Kjeldahl	0.200	0.300	0.066	J

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-03	Date Collected	: 06/19/25 10:00
Client ID	: SCDOH-DR	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 06/27/25 22:27
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500NH3-H	Analyst	: MRM
Lab File ID	: NH3250627-E1	Instrument ID	: LACHAT
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 06/26/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Total Kjeldahl	0.164	0.300	0.066	J

Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-04	Date Collected	: 06/19/25 08:38
Client ID	: MW-10S	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 06/27/25 22:28
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500NH3-H	Analyst	: MRM
Lab File ID	: NH3250627-E1	Instrument ID	: LACHAT
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 06/26/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Total Kjeldahl	0.151	0.300	0.066	J

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-05	Date Collected	: 06/19/25 08:50
Client ID	: MW-10D	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 06/27/25 22:29
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500NH3-H	Analyst	: MRM
Lab File ID	: NH3250627-E1	Instrument ID	: LACHAT
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 06/26/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Total Kjeldahl	0.374	0.300	0.066	

Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-06	Date Collected	: 06/19/25 12:00
Client ID	: EQUIPMENT BLANK	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 06/27/25 22:30
Sample Matrix	: Equipment Blank	Dilution Factor	: 1
Analytical Method	: 121,4500NH3-H	Analyst	: MRM
Lab File ID	: NH3250627-E1	Instrument ID	: LACHAT
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 06/26/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Total Kjeldahl	0.229	0.300	0.066	J

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: WG2083974-1	Date Collected	: NA
Client ID	: WG2083974-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 06/27/25 22:12
Sample Matrix	: WATER	Dilution Factor	: .3333333333333333
Analytical Method	: 121,4500NH3-H	Analyst	: MRM
Lab File ID	: NH3250627-E1	Instrument ID	: LACHAT
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 06/26/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Total Kjeldahl	0.083	0.100	0.022	J



Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: WG2083974-3	Date Collected	: 06/04/25 07:30
Client ID	: WG2083974-3 DUP	Date Received	: 06/05/25
Sample Location	:	Date Analyzed	: 06/27/25 22:17
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500NH3-H	Analyst	: MRM
Lab File ID	: NH3250627-E1	Instrument ID	: LACHAT
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 06/26/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Total Kjeldahl	0.466	0.300	0.066	



Sample Raw Data

Original Run Filename: OM_6-27-2025_06-01-56PM.OMN Created: 6/27/2025 6:01:56 PM

Original Run Author's Signature: [a1wetcheminstrument]

Current Run Filename: OM_6-27-2025_06-01-56PM.OMN Last Modified: 6/27/2025 6:54:10 PM

Current Run Author's Signature: [a1wetcheminstrument]

Description: Default New Run

A

Sample	Rep.	Cup No.	Channel 1 Ammonia (mg N/L)	ADF	MDF	Weight
STD 1	1	S1	10.000			
STD 2	1	S2	8.0000			
STD 3	1	S3	4.0000			
STD 4	1	S4	2.0000			
STD 5	1	S5	1.0000			
STD 6	1	S6	0.40000			
STD 7	1	S7	0.20000			
STD 8	1	S8	0.10000			
STD 9	1	S9	0.050000			
STD 10	1	S10	0.0000			
CCV 0.4000	1	S6	0.37515	94%		
Known Conc:			0.40000			
Calibration:			Table/Fig. : 1			
CCV 4.0000	1	S3	3.9629	99%		
Known Conc:			4.0000			
CCB	1	S10	0.012874	✓		
Known Conc:			0.0000			
HI ICV 8.0	1	1	8.0014		100%	
LO ICV 1.0	1	2	1.0144		101%	
ICB	1	3	-0.042706			
WG2083971-1; BLK 6/26	1	4	0.051879		1.50	98%
WG2083971-2; HI LCS; 5X	1	5	19.647		7.50	98%
LO LCS	1	6	1.7615		1.50	
L2534129-06	1	7	0.083897	✓	1.50	
WG2083971-4; 34129.6 MS	1	8	4.4420		1.50	109%
WG2083971-3; 34129.6 DUP	1	9	0.078515	✓	1.50	6%
L2534129-07	1	10	0.078210		1.50	
CCV 0.4000	1	S6	0.37749	94%		
Known Conc:			0.40000			
CCV 4.0000	1	S3	3.9630	99%		
Known Conc:			4.0000			
CCB	1	S10	0.021802	✓		
Known Conc:			0.0000			
WG2083971-6; 34129.7 MS	1	11	4.1920		1.50	105%
WG2083971-5; 34129.7 DUP	1	12	0.14160	✓	1.50	100% (4.44)
L2534373-01	1	13	35.799		7.50	
L2534373-02	1	14	0.14264		1.50	
L2535107-01	1	15	0.40789		1.50	
L2535107-02	1	16	0.44054		1.50	
L2535113-01	1	17	0.35410		1.50	
L2535113-02	1	18	0.34112		1.50	
L2535117-01	1	19	0.33399		1.50	
L2535118-01	1	20	0.32648	95%	1.50	
CCV 0.4000	1	S6	0.37801	95%		
Known Conc:			0.40000			
CCV 4.0000	1	S3	3.9598	99%		
Known Conc:			4.0000			
CCB	1	S10	0.013681	✓		
Known Conc:			0.0000			
L2535122-01	1	21	0.35342		1.50	
L2535124-01	1	22	0.31298		1.50	
L2535127-01	1	23	0.32718		1.50	
L2535130-01	1	24	0.30177		1.50	
L2535134-01	1	25	0.50845		1.50	
L2535134-02	1	26	0.33239		1.50	
L2535134-03	1	27	0.43367		1.50	
L2535134-04	1	28	0.35016		1.50	
L2535134-05	1	29	0.34993		1.50	
L2535134-06	1	30	0.36729		1.50	

Peak Area (V.s)

Concentration mg N/L

Area = $-0.13626 * \text{Conc}^2 + 7.1391 * \text{Conc} + 0.013761$
Conc = $0.00061571 * \text{Area}^2 + 0.13651 * \text{Area} - 0.00015898$
Correlation Coefficient (r) = 1.00000
Weighting : 1/x

Concentration (mg N/L)	Peak Area (V.s)
0.0000	0.0000
0.0001	0.0001
0.0002	0.0002
0.0005	0.0005
0.0010	0.0010
0.0020	0.0020
0.0050	0.0050
0.0100	0.0100

Original Run Filename: OM_6-27-2025_06-57-50PM.OMN Created: 6/27/2025 6:57:50 PM

Original Run Author's Signature: [a1wetcheminstrument]

Current Run Filename: OM_6-27-2025_06-57-50PM.OMN Last Modified: 6/27/2025 7:37:25 PM

Current Run Author's Signature: [a1wetcheminstrument]

Description: Default New Run

(B)

Sample	Rep.	Cup No.	Channel 1 Ammonia (mg N/L)	ADF	MDF	Weight
CCV 0.4000	1	S6	0.37643	94%		
		Known Conc:	0.40000			
		Calibration:	Table/Fig. : 1			
CCV 4.0000	1	S3	4.0260	101%		
		Known Conc:	4.0000			
CCB	1	S10	0.015301	/		
		Known Conc:	0.0000			
WG2083972-1; BLK 6/26	1	1	0.030998		1.50	98%
WG2083972-2; HI LCS; 5X	1	2	19.690		7.50	94%
LO LCS	1	3	1.8675		1.50	94%
L2534514-03; 10X	1	4	74.997		15.00	
L2535017-01	1	5	0.73266	/	1.50	
WG2083972-4; 35017.1 MS	1	6	5.3257	/	1.50	115%
WG2083972-3; 35017.1 DUP	1	7	0.76551	/	1.50	97%
L2535807-07	1	8	0.16748		1.50	
L2535807-10	1	9	0.16359		1.50	
L2535807-16	1	10	0.15714		1.50	
CCV 0.4000	1	S6	0.37294	93%		
		Known Conc:	0.40000			
CCV 4.0000	1	S3	3.9463	99%		
		Known Conc:	4.0000			
CCB	1	S10	0.023693	/		
		Known Conc:	0.0000			
L2535809-02	1	11	0.044040		1.50	
L2535809-05	1	12	0.22060		1.50	
L2535809-08	1	13	0.039720		1.50	
L2535809-14	1	14	0.047885		1.50	
L2535814-07	1	15	0.060756		1.50	
L2535814-10	1	16	0.056169		1.50	
L2535814-19	1	17	0.083096		1.50	
L2535814-25	1	18	0.081947		1.50	
L2535819-17	1	19	0.082324		1.50	
L2535819-26	1	20	0.030862	92%	1.50	
CCV 0.4000	1	S6	0.36932	92%		
		Known Conc:	0.40000			
CCV 4.0000	1	S3	3.9443	99%		
		Known Conc:	4.0000			
CCB	1	S10	0.019839	/		
		Known Conc:	0.0000			
L2535820-17	1	21	0.12763		1.50	
L2535822-01	1	22	0.080837		1.50	
L2535822-10	1	23	0.061824		1.50	
L2535822-13	1	24	0.026238		1.50	
L2535822-19	1	25	0.075997		1.50	
WG2083972-5; LOQ1	1	26	0.058698		1.50	
CCV 0.4000	1	S6	0.36630	92%		
		Known Conc:	0.40000			
CCV 4.0000	1	S3	3.9468	99%		
		Known Conc:	4.0000			
CCB	1	S10	0.018025	/		
		Known Conc:	0.0000			

Channel 1 (Ammonia Low) - Current View

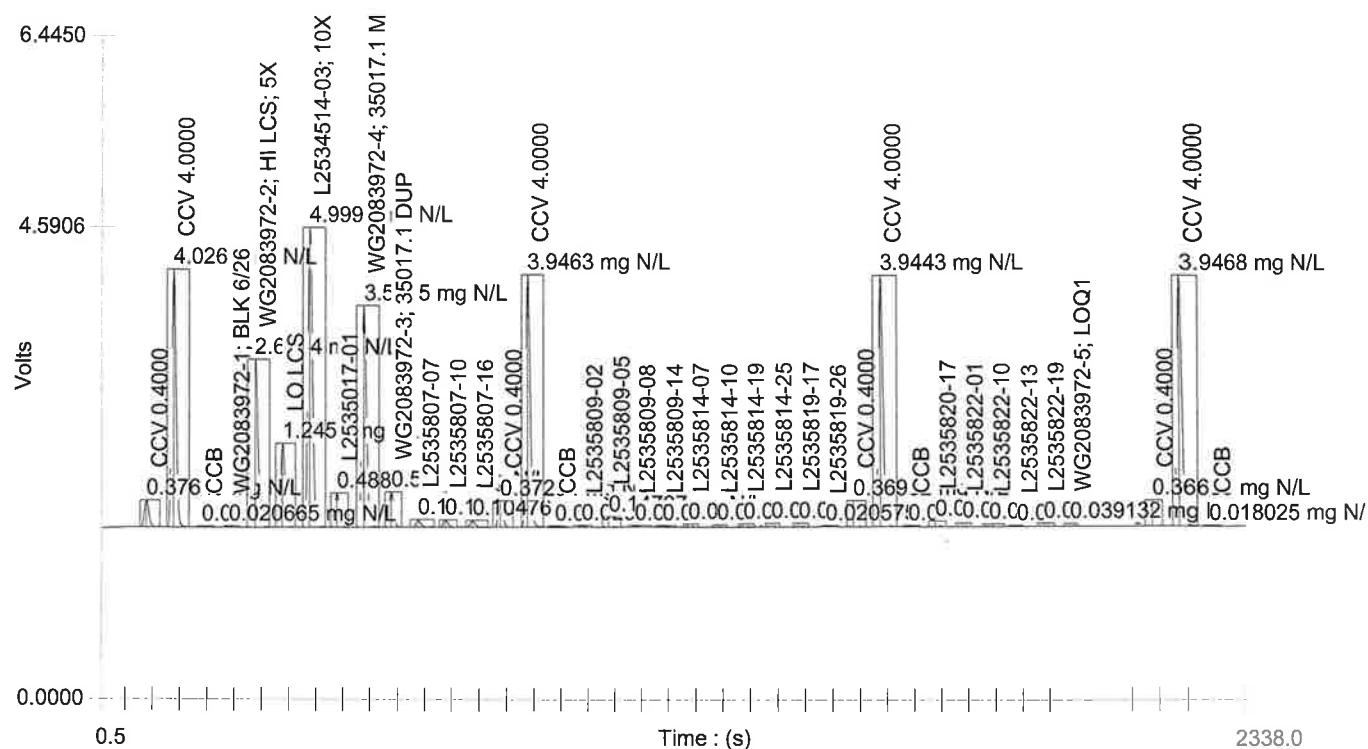
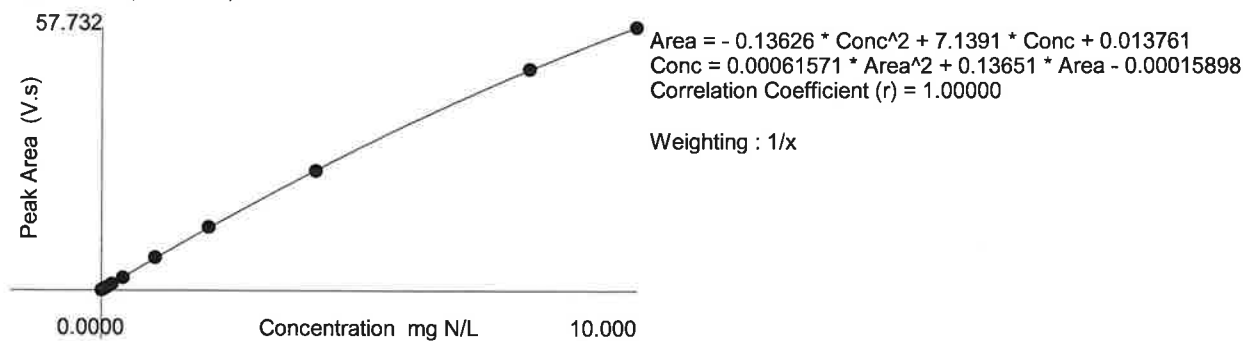


Table : 1 (Ammonia)

	Known Conc. (mg N/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg N/L)	Detection Date	Detection Time
1	10.000	1	57.732	5.2016	0.0	0.1	9.9331	6/27/2025	6:02:53 PM
2	8.0000	1	48.496	4.4543	0.0	-0.2	8.0683	6/27/2025	6:03:48 PM
3	4.0000	1	26.244	2.5363	0.0	0.6	4.0067	6/27/2025	6:04:45 PM
4	2.0000	1	13.858	1.3555	0.0	-0.8	2.0099	6/27/2025	6:05:40 PM
5	1.0000	1	7.1776	0.69662	0.0	-2.3	1.0114	6/27/2025	6:06:37 PM
6	0.40000	1	2.7546	0.26503	0.0	3.3	0.38056	6/27/2025	6:07:33 PM
7	0.20000	1	1.4014	0.13304	0.0	2.4	0.19236	6/27/2025	6:08:31 PM
8	0.10000	1	0.68581	0.068241	0.0	5.6	0.093753	6/27/2025	6:09:28 PM
9	0.050000	1	0.36946	0.036112	0.0	0.2	0.050362	6/27/2025	6:10:24 PM
10	0.0000	1	0.045910	0.0046434			0.0061097	6/27/2025	6:11:19 PM

Figure : 1 (Ammonia)



Original Run Filename: OM_6-27-2025_08-36-29PM.OMN Created: 6/27/2025 8:36:29 PM

Original Run Author's Signature: [a1wetcheminstrument]

Current Run Filename: OM_6-27-2025_08-36-29PM.OMN Last Modified: 6/27/2025 9:11:11 PM

Current Run Author's Signature: [a1wetcheminstrument]

Description: Default New Run

C

Sample	Rep.	Cup No.	Channel 1	ADF	MDF	Weight
			Ammonia (mg N/L)			
CCV 0.4000	1	S6	0.37536	94%		
		Known Conc:	0.40000			
CCV 4.0000	1	S3	3.9156	98%		
		Known Conc:	4.0000			
		Calibration:	Table/Fig. : 1			
CCB	1	S10	0.016934	/		
		Known Conc:	0.0000			
WG2084114-1; BLK 6/27	1	1	0.012263		1.50	94%
WG2084114-2; HI LCS; 5X	1	2	18.820		7.50	
LO LCS	1	3	1.9113		1.50	96%
L2534787-01	1	4	9.4690		1.50	
L2534787-02	1	5	0.19792		1.50	
L2534788-01	1	6	9.8401		1.50	
L2534779-06	1	7	0.20469		1.50	
L2534779-07	1	8	0.055893		1.50	
L2534779-08	1	9	0.052452		1.50	
L2534779-09	1	10	0.049902		1.50	
CCV 0.4000	1	S6	0.37735	94%		
		Known Conc:	0.40000			
CCV 4.0000	1	S3	3.9381	99%		
		Known Conc:	4.0000			
CCB	1	S10	0.018085	/		
		Known Conc:	0.0000			
FILTER BLK	1	11	0.014910		1.50	
L2534779-10	1	12	0.060401		1.50	
L2534841-02	1	13	0.064550	/	1.50	
WG2084114-4; 34841.2 MS	1	14	4.0194		1.50	101%
WG2084114-3; 348114.2 DUP	1	15	0.10915	/	1.50	mc(=PL)
L2534841-04	1	16	0.058687		1.50	
L2534841-06	1	17	0.046247		1.50	
L2534841-08	1	18	0.021458		1.50	
L2534841-10	1	19	0.038839		1.50	
L2534841-12	1	20	0.042710		1.50	
CCV 0.4000	1	S6	0.37431	94%		
		Known Conc:	0.40000			
CCV 4.0000	1	S3	3.9168	98%		
		Known Conc:	4.0000			
CCB	1	S10	0.018774	/		
		Known Conc:	0.0000			

Channel 1 (Ammonia Low) - Current View

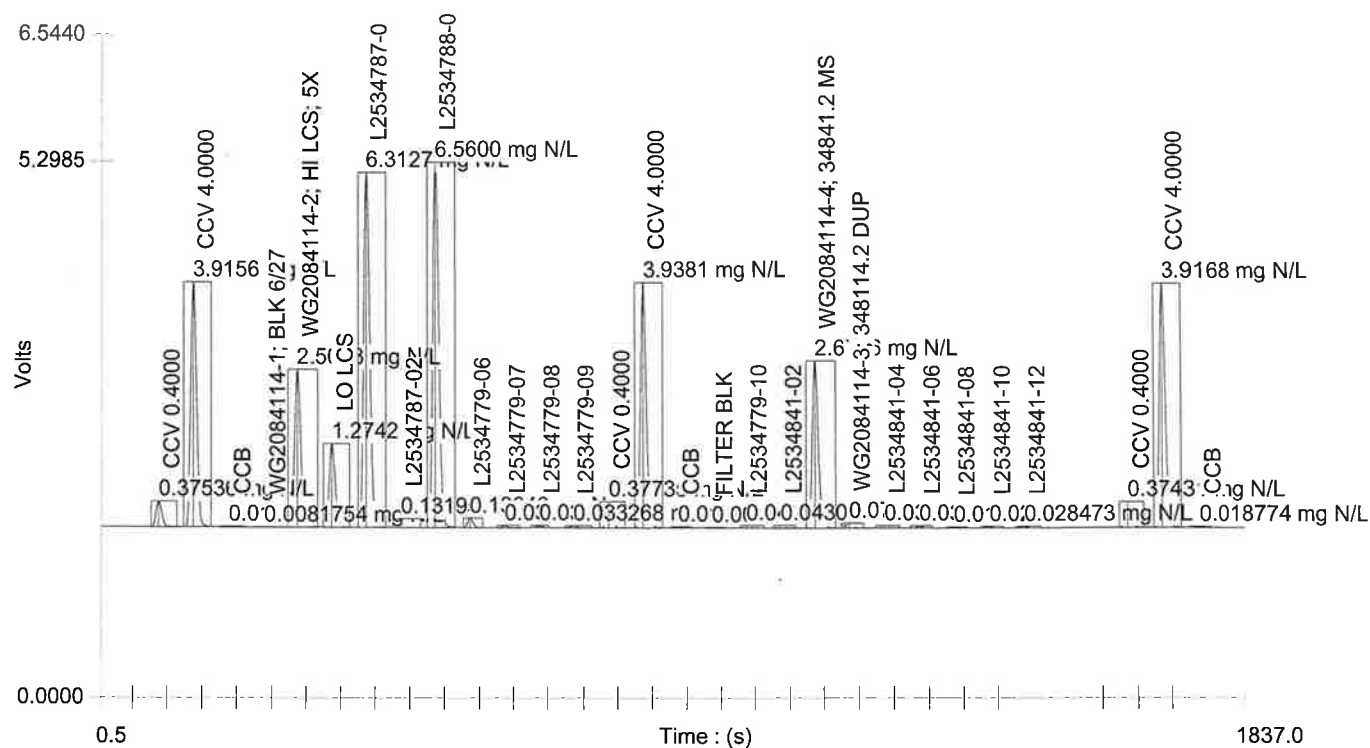
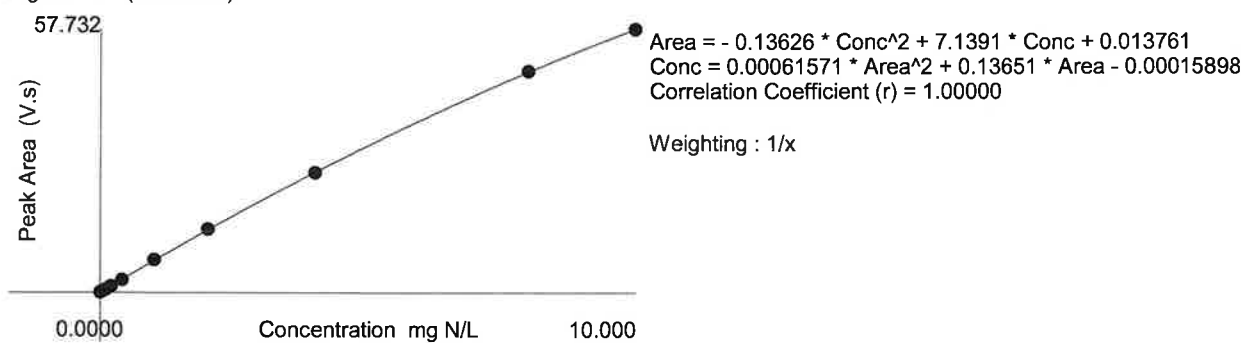


Table : 1 (Ammonia)

	Known Conc. (mg N/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg N/L)	Detection Date	Detection Time
1	10.000	1	57.732	5.2016	0.0	0.1	9.9331	6/27/2025	6:02:53 PM
2	8.0000	1	48.496	4.4543	0.0	-0.2	8.0683	6/27/2025	6:03:48 PM
3	4.0000	1	26.244	2.5363	0.0	0.6	4.0067	6/27/2025	6:04:45 PM
4	2.0000	1	13.858	1.3555	0.0	-0.8	2.0099	6/27/2025	6:05:40 PM
5	1.0000	1	7.1776	0.69662	0.0	-2.3	1.0114	6/27/2025	6:06:37 PM
6	0.40000	1	2.7546	0.26503	0.0	3.3	0.38056	6/27/2025	6:07:33 PM
7	0.20000	1	1.4014	0.13304	0.0	2.4	0.19236	6/27/2025	6:08:31 PM
8	0.10000	1	0.68581	0.068241	0.0	5.6	0.093753	6/27/2025	6:09:28 PM
9	0.050000	1	0.36946	0.036112	0.0	0.2	0.050362	6/27/2025	6:10:24 PM
10	0.0000	1	0.045910	0.0046434			0.0061097	6/27/2025	6:11:19 PM

Figure : 1 (Ammonia)



Original Run Filename: OM_6-27-2025_09-27-26PM.OMN Created: 6/27/2025 9:27:26 PM

Original Run Author's Signature: [a1wetcheminstrument]

Current Run Filename: OM_6-27-2025_09-27-26PM.OMN Last Modified: 6/27/2025 10:05:37 PM

Current Run Author's Signature: [a1wetcheminstrument]

Description: Default New Run

Sample	Rep.	Cup No.	Channel 1 Ammonia (mg N/L)	ADF	MDF	Weight
CCV 0.4000	1	S6	0.39766	100%		
		Known Conc:	0.40000			
CCV 4.0000	1	S3	3.9373	99%		
		Known Conc:	4.0000			
		Calibration:	Table/Fig. : 1			
CCB	1	S10	0.035692	/		
		Known Conc:	0.0000			
WG2084113-1; BLK 6/27	1	1	0.044220		1.50	94%
WG2084113-2; HI LCS; 5X	1	2	18.733		7.50	97%
LO LCS	1	3	1.9409		1.50	
L2534732-01; 50X	1	4	786.03		375.00	
L2534732-02; 50X	1	5	496.06		375.00	
L2534732-03; 10X	1	6	31.598		15.00	
L2534338-01; 10X	1	7	31.157		15.00	
L2534338-02	1	8	6.4567		1.50	
L2534779-01	1	9	0.26177		1.50	
L2534779-02	1	10	0.20386		1.50	
CCV 0.4000	1	S6	0.38848	97%		
		Known Conc:	0.40000			
CCV 4.0000	1	S3	3.9397	99%		
		Known Conc:	4.0000			
CCB	1	S10	0.030864	/		
		Known Conc:	0.0000			
L2534704-01	1	11	1.9088		1.50	
L2534720-01	1	12	19.909		1.50	
L2534720-02	1	13	3.3631		1.50	
L2534771-01	1	14	20.954		1.50	
L2534771-02	1	15	22.114		1.50	
L2534779-03	1	16	0.36069		1.50	
WG2084113-4; 34779.3 MS	1	17	4.3704		1.50	107%
WG2084113-3; 34779.3 DUP	1	18	0.12094	/	1.50	28% (K5K4)
L2534779-04	1	19	0.24643		1.50	
L2534779-05	1	20	0.21105		1.50	
CCV 0.4000	1	S6	0.38597	97%		
		Known Conc:	0.40000			
CCV 4.0000	1	S3	3.9250	98%		
		Known Conc:	4.0000			
CCB	1	S10	0.028362	/		
		Known Conc:	0.0000			
L2534720-01; 10X	1	21	19.041		15.00	
L2534720-02	1	22	3.1201		1.50	
L2534771-01; 10X	1	23	20.756		15.00	
L2534771-02; 10X	1	24	22.610		15.00	
L2534779-03	1	25	0.092997	/	1.50	
CCV 0.4000	1	S6	0.38227	96%		
		Known Conc:	0.40000			
CCV 4.0000	1	S3	3.9169	98%		
		Known Conc:	4.0000			
CCB	1	S10	0.030548	/		
		Known Conc:	0.0000	/		



Channel 1 (Ammonia Low) - Current View

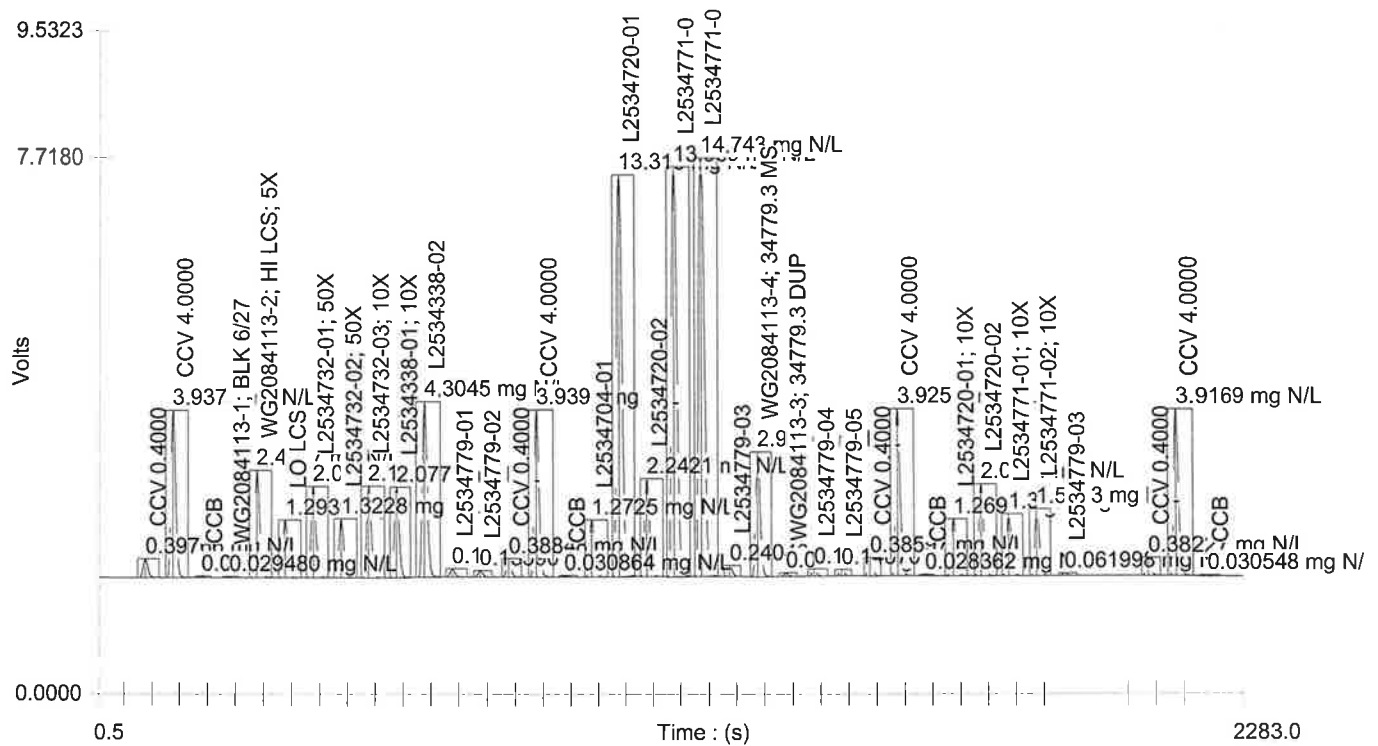
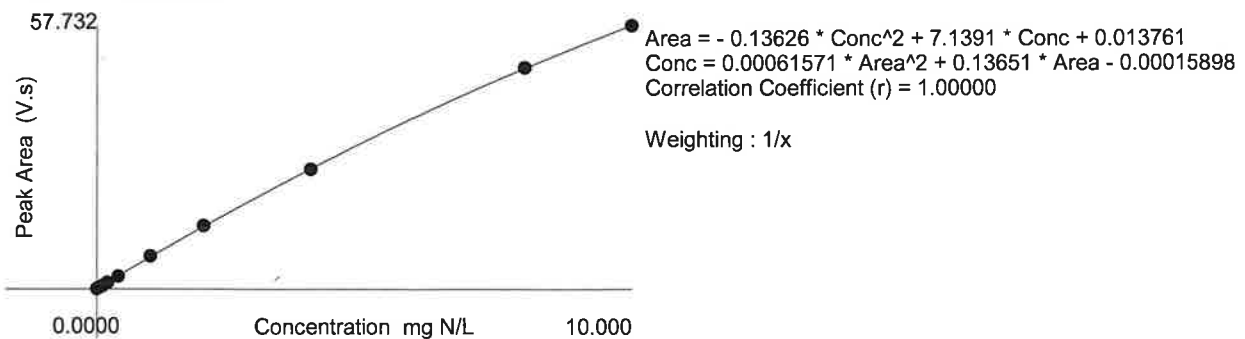


Table : 1 (Ammonia)

	Known Conc. (mg N/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg N/L)	Detection Date	Detection Time
1	10.0000	1	57.732	5.2016	0.0	0.1	9.9331	6/27/2025	6:02:53 PM
2	8.0000	1	48.496	4.4543	0.0	-0.2	8.0683	6/27/2025	6:03:48 PM
3	4.0000	1	26.244	2.5363	0.0	0.6	4.0067	6/27/2025	6:04:45 PM
4	2.0000	1	13.858	1.3555	0.0	-0.8	2.0099	6/27/2025	6:05:40 PM
5	1.0000	1	7.1776	0.69662	0.0	-2.3	1.0114	6/27/2025	6:06:37 PM
6	0.40000	1	2.7546	0.26503	0.0	3.3	0.38056	6/27/2025	6:07:33 PM
7	0.20000	1	1.4014	0.13304	0.0	2.4	0.19236	6/27/2025	6:08:31 PM
8	0.10000	1	0.68581	0.068241	0.0	5.6	0.093753	6/27/2025	6:09:28 PM
9	0.050000	1	0.36946	0.036112	0.0	0.2	0.050362	6/27/2025	6:10:24 PM
10	0.0000	1	0.045910	0.0046434			0.0061097	6/27/2025	6:11:19 PM

Figure : 1 (Ammonia)



Original Run Filename: OM_6-27-2025_10-09-01PM.OMN Created: 6/27/2025 10:09:01 PM

Original Run Author's Signature: [a1wetcheminstrument]

Current Run Filename: OM_6-27-2025_10-09-01PM.OMN Last Modified: 6/27/2025 10:39:47 PM

Current Run Author's Signature: [a1wetcheminstrument]

Description: Default New Run

E

Sample	Rep.	Cup No.	Channel 1	ADF	MDF	Weight
			Ammonia (mg N/L)			
CCV 0.4000	1	S6	0.37882	95%		
		Known Conc:	0.40000			
		Calibration:	Table/Fig. : 1			
CCV 4.0000	1	S3	3.8904	97%		
		Known Conc:	4.0000			
CCB	1	S10	0.022966	/		
		Known Conc:	0.0000			
WG2083974-1 T; BLK 6/26	1	1	0.083520			
WG2083974-2 T; HI LCS; 5X	1	2	38.246		15.00	96%
LO LCS T	1	3	3.7760		3.00	95%
L2534995-01 T	1	4	0.42576	/	3.00	
WG2083974-4 T; 34995.1 MS	1	5	8.5837		3.00	102%
WG2083974-3 T; 34995.1 DUP	1	6	0.46561	/	3.00	97%
L2535000-01 T	1	7	25.407		3.00	
L2535005-01 T	1	8	3.6923		6.00	
L2535007-01 T	1	9	19.432		15.00	
L2535010-01 T	1	10	22.768		150.00	
CCV 0.4000	1	S6	0.38808	97%		
		Known Conc:	0.40000			
CCV 4.0000	1	S3	3.8650	97%		
		Known Conc:	4.0000			
CCB	1	S10	0.028383	/		
		Known Conc:	0.0000			
L2538382-07 T	1	11	0.15082		3.00	
L2538805-01 T	1	12	0.14213		3.00	
L2538805-02 T	1	13	0.20035		3.00	
L2538805-03 T	1	14	0.16412		3.00	
L2538805-04 T	1	15	0.15062		3.00	
L2538805-05 T	1	16	0.37367		3.00	
L2538805-06 T	1	17	0.22902		3.00	
L2535003-01 T	1	18	2.6243		15.00	
L2535002-01 T	1	19	24.734		30.00	
L2535008-01 T	1	20	3.8475	93%	30.00	
CCV 0.4000	1	S6	0.37055	97%		
		Known Conc:	0.40000			
CCV 4.0000	1	S3	3.8641	97%		
		Known Conc:	4.0000			
CCB	1	S10	0.039963	/		
		Known Conc:	0.0000			

Channel 1 (Ammonia Low) - Current View

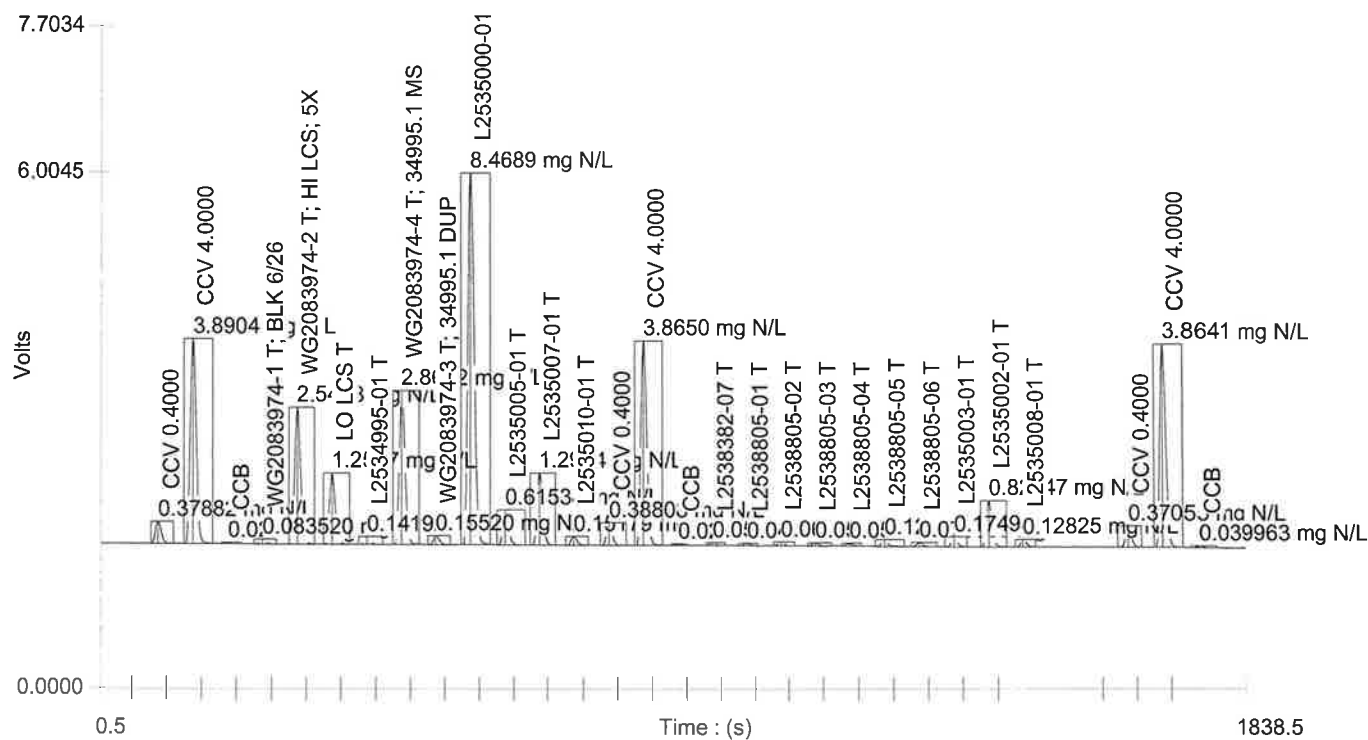
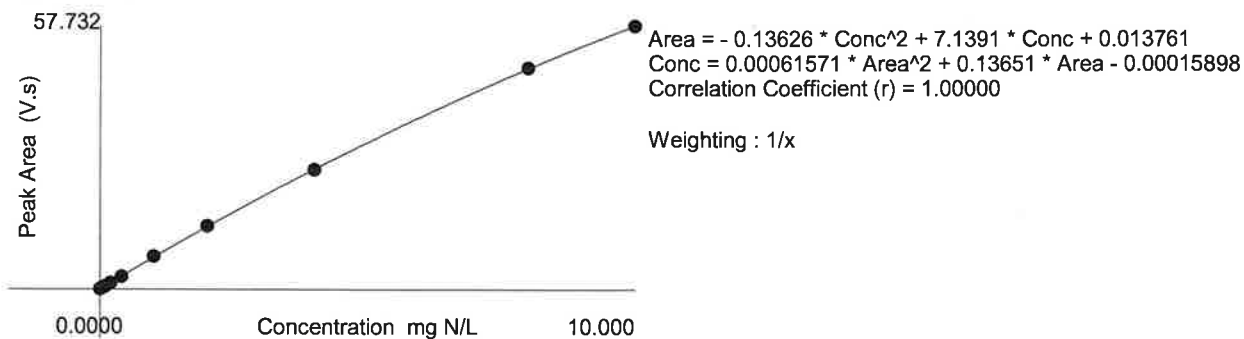


Table : 1 (Ammonia)

	Known Conc. (mg N/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg N/L)	Detection Date	Detection Time
1	10.0000	1	57.732	5.2016	0.0	0.1	9.9331	6/27/2025	6:02:53 PM
2	8.0000	1	48.496	4.4543	0.0	-0.2	8.0683	6/27/2025	6:03:48 PM
3	4.0000	1	26.244	2.5363	0.0	0.6	4.0067	6/27/2025	6:04:45 PM
4	2.0000	1	13.858	1.3555	0.0	-0.8	2.0099	6/27/2025	6:05:40 PM
5	1.0000	1	7.1776	0.69662	0.0	-2.3	1.0114	6/27/2025	6:06:37 PM
6	0.40000	1	2.7546	0.26503	0.0	3.3	0.38056	6/27/2025	6:07:33 PM
7	0.20000	1	1.4014	0.13304	0.0	2.4	0.19236	6/27/2025	6:08:31 PM
8	0.10000	1	0.68581	0.068241	0.0	5.6	0.093753	6/27/2025	6:09:28 PM
9	0.050000	1	0.36946	0.036112	0.0	0.2	0.050362	6/27/2025	6:10:24 PM
10	0.0000	1	0.045910	0.0046434			0.0061097	6/27/2025	6:11:19 PM

Figure : 1 (Ammonia)



Original Run Filename: OM_6-27-2025_11-00-03PM.OMN Created: 6/27/2025 11:00:03 PM

Original Run Author's Signature: [a1wetcheminstrument]

Current Run Filename: OM_6-27-2025_11-00-03PM.OMN Last Modified: 6/27/2025 11:30:48 PM

Current Run Author's Signature: [a1wetcheminstrument]

Description: Default New Run

(F)

Sample	Rep.	Cup No.	Channel 1	ADF	MDF	Weight
			Ammonia (mg N/L)			
CCV 0.4000	1	S6	0.40197	101%		
		Known Conc:	0.40000			
CCV 4.0000	1	S3	3.8643	97%		
		Known Conc:	4.0000			
		Calibration:	Table/Fig. : 1			
CCB	1	S10	0.014821	✓		
		Known Conc:	0.0000			
WG2083978-1 T; BLK 6/25	1	1	0.032049			
WG2083978-2 T; HI LCS; 5X	1	2	36.968		15.00	92%
LO LCS T	1	3	3.8591		3.00	97%
L2534732-01 T; 50X	1	4	767.07		1500.00	
L2534732-02 T; 50X	1	5	510.39		750.00	
L2534732-03 T; 10X	1	6	33.330		30.00	
L2534726-01 T	1	7	3.2622		3.00	
L2534755-01 T	1	8	14.650		3.00	
L2534766-01 T	1	9	24.834		15.00	
L2534766-02 T	1	10	6.8080		15.00	
CCV 0.4000	1	S6	0.38228	96%		
		Known Conc:	0.40000			
CCV 4.0000	1	S3	3.8177	96%		
		Known Conc:	4.0000			
CCB	1	S10	0.034421	✓		
		Known Conc:	0.0000			
L2534768-01 T	1	11	8.7065		3.00	
L2534768-02 T	1	12	5.4920		3.00	
L2534771-01 T; 10X	1	13	28.513		30.00	
L2534771-02 T; 10X	1	14	24.849		30.00	
L2534774-01 T	1	15	0.51832		3.00	
L2534774-02 T	1	16	0.37603		3.00	
L2535028-01 T	1	17	0.74318	✓	3.00	
WG2083978-4 T; 35028.1 MS	1	18	10.020	✓	3.00	116%
WG2083978-3 T; 35028.1 DUP	1	19	0.94435	✓	3.00	24% (25+26)
WG2083978-5 T; LOQ1	1	20	0.30054	✓	3.00	
CCV 0.4000	1	S6	0.39256	98%		
		Known Conc:	0.40000			
CCV 4.0000	1	S3	3.8042	95%		
		Known Conc:	4.0000			
CCB	1	S10	0.018705	✓		
		Known Conc:	0.0000			

Channel 1 (Ammonia Low) - Current View

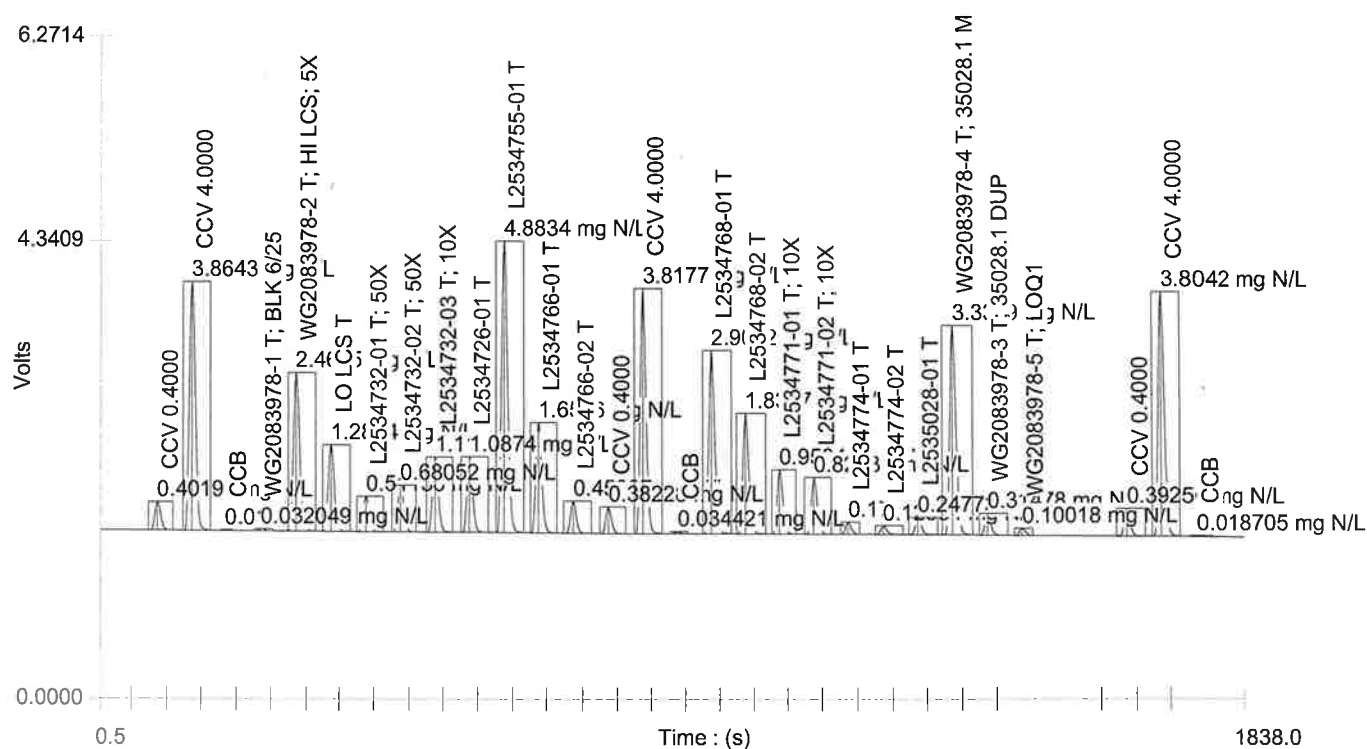
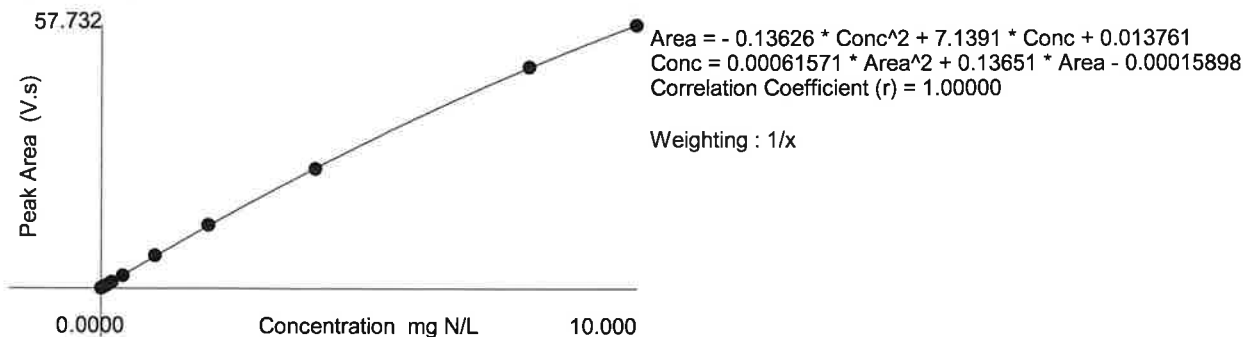


Table : 1 (Ammonia)

	Known Conc. (mg N/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg N/L)	Detection Date	Detection Time
1	10.0000	1	57.732	5.2016	0.0	0.1	9.9331	6/27/2025	6:02:53 PM
2	8.0000	1	48.496	4.4543	0.0	-0.2	8.0683	6/27/2025	6:03:48 PM
3	4.0000	1	26.244	2.5363	0.0	0.6	4.0067	6/27/2025	6:04:45 PM
4	2.0000	1	13.858	1.3555	0.0	-0.8	2.0099	6/27/2025	6:05:40 PM
5	1.0000	1	7.1776	0.69662	0.0	-2.3	1.0114	6/27/2025	6:06:37 PM
6	0.40000	1	2.7546	0.26503	0.0	3.3	0.38056	6/27/2025	6:07:33 PM
7	0.20000	1	1.4014	0.13304	0.0	2.4	0.19236	6/27/2025	6:08:31 PM
8	0.10000	1	0.68581	0.068241	0.0	5.6	0.093753	6/27/2025	6:09:28 PM
9	0.050000	1	0.36946	0.036112	0.0	0.2	0.050362	6/27/2025	6:10:24 PM
10	0.0000	1	0.045910	0.0046434			0.0061097	6/27/2025	6:11:19 PM

Figure : 1 (Ammonia)



Original Run Filename: OM_6-27-2025_11-32-37PM.OMN Created: 6/27/2025 11:32:37 PM

Original Run Author's Signature: [a1wetcheminstrument]

Current Run Filename: OM_6-27-2025_11-32-37PM.OMN Last Modified: 6/28/2025 12:10:47 AM

Current Run Author's Signature: [a1wetcheminstrument]

Description: Default New Run

Sample	Rep.	Cup No.	Channel 1	ADF	MDF	Weight
			Ammonia (mg N/L)			
CCV 0.4000	1	S6	0.37890	95%		
		Known Conc:	0.40000			
		Calibration:	Table/Fig. : 1	95%		
CCV 4.0000	1	S3	3.7925			
		Known Conc:	4.0000			
CCB	1	S10	0.014627			
		Known Conc:	0.0000			
WG2084454-1; BLK 6/27	1	1	0.016942		1.50	94%
WG2084454-2; HI LCS; 5X	1	2	18.856		7.50	94%
LO LCS	1	3	1.8713		1.50	94%
L2534856-03	1	4	0.068539		1.50	101%
WG2084454-4; 34856.3 MS	1	5	4.3746		1.50	NC (25.44)
WG2084454-3; 34856.3 DUP	1	6	0.080376		1.50	
L2534661-01	1	7	1.2812		1.50	
L2534661-02	1	8	0.71991		1.50	
L2535216-03	1	9	0.10740		1.50	
L2535216-03	1	10	0.027212		1.50	
CCV 0.4000	1	S6	0.38495	96%		
		Known Conc:	0.40000			
CCV 4.0000	1	S3	3.7531	94%		
		Known Conc:	4.0000			
CCB	1	S10	0.015796			
		Known Conc:	0.0000			
L2535216-05	1	11	0.76924		15.00	
L2535216-06	1	12	0.029714		1.50	
L2535216-07	1	13	0.057687		1.50	
L2535216-08	1	14	0.054640		1.50	
L2535216-09	1	15	0.055604		1.50	
L2535216-10	1	16	0.054249		1.50	
L2535216-11	1	17	0.11156		1.50	
L2536054-01	1	18	2.7304		1.50	
L2536287-01	1	19	0.65642		1.50	
L2536287-02	1	20	0.76181		1.50	
CCV 0.4000	1	S6	0.38504	96%		
		Known Conc:	0.40000			
CCV 4.0000	1	S3	3.7194	93%		
		Known Conc:	4.0000			
CCB	1	S10	0.022649			
		Known Conc:	0.0000			
L2536287-04	1	21	0.077053		1.50	
L2536287-05	1	22	0.050983		1.50	
L2535717-01	1	23	0.46317		1.50	
L2535717-02	1	24	0.53063		1.50	
L2535717-03	1	25	0.029544		1.50	
CCV 0.4000	1	S6	0.37886	95%		
		Known Conc:	0.40000			
CCV 4.0000	1	S3	3.7098	93%		
		Known Conc:	4.0000			
CCB	1	S10	0.018062			
		Known Conc:	0.0000			

G

Chromatogram showing detector response (Volts) versus time (minutes). The plot displays numerous peaks, many of which are labeled with sample names and concentrations. The y-axis ranges from 0.0000 to 5.5213 Volts, and the x-axis ranges from 0.5 to 2282.0 minutes. Key peaks are labeled with sample names like CCV, CCB, WG, L, and various concentrations in mg N/L.

	Known Conc. (mg N/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg N/L)	Detection Date	Detection Time
1	10.000	1	57.732	5.2016	0.0	0.1	9.9331	6/27/2025	6:02:53 PM
2	8.0000	1	48.496	4.4543	0.0	-0.2	8.0683	6/27/2025	6:03:48 PM
3	4.0000	1	26.244	2.5363	0.0	0.6	4.0067	6/27/2025	6:04:45 PM
4	2.0000	1	13.858	1.3555	0.0	-0.8	2.0099	6/27/2025	6:05:40 PM
5	1.0000	1	7.1776	0.69662	0.0	-2.3	1.0114	6/27/2025	6:06:37 PM
6	0.40000	1	2.7546	0.26503	0.0	3.3	0.38056	6/27/2025	6:07:33 PM
7	0.20000	1	1.4014	0.13304	0.0	2.4	0.19236	6/27/2025	6:08:31 PM
8	0.10000	1	0.68581	0.068241	0.0	5.6	0.093753	6/27/2025	6:09:28 PM
9	0.050000	1	0.36946	0.036112	0.0	0.2	0.050362	6/27/2025	6:10:24 PM
10	0.0000	1	0.045910	0.0046434			0.0061097	6/27/2025	6:11:19 PM

Area = $-0.13626 * \text{Conc}^2 + 7.1391 * \text{Conc} + 0.013761$
Conc = $0.00061571 * \text{Area}^2 + 0.13651 * \text{Area} - 0.00015898$
Correlation Coefficient (r) = 1.00000
Weighting : 1/x

Concentration (mg N/L)	Peak Area (V.s)
0.0000	0.0000
0.0001	0.0001
0.0002	0.0002
0.0005	0.0005
0.0010	0.0010

Original Run Filename: OM_6-28-2025_12-11-51AM.OMN Created: 6/28/2025 12:11:51 AM

Original Run Author's Signature: [a1wetcheminstrument]

Current Run Filename: OM_6-28-2025_12-11-51AM.OMN Last Modified: 6/28/2025 12:50:02 AM

Current Run Author's Signature: [a1wetcheminstrument]

Description: Default New Run

Sample	Rep.	Cup No.	Channel 1	ADF	MDF	Weight
			Ammonia (mg N/L)			
CCV 0.4000	1	S6	0.37804	95%		
		Known Conc:	0.40000			
CCV 4.0000	1	S3	3.7062	93%		
		Known Conc:	4.0000			
		Calibration:	Table/Fig. : 1			
CCB	1	S10	0.018505	✓		
		Known Conc:	0.0000			
WG2084459-1; BLK 6/27	1	1	0.014695		1.50	97%
WG2084459-2; HI LCS; 5X	1	2	19.442		7.50	
LO LCS	1	3	1.8237		1.50	91%
L2534629-01	1	4	0.44410	✓	1.50	103%
WG2084459-4; 34629.1 MS	1	5	4.5584		1.50	72%
WG2084459-3; 34629.1 DUP	1	6	0.61124	✓	1.50	
L2534726-01	1	7	1.7503		1.50	
L2534788-02	1	8	0.90519		1.50	
L2534796-01	1	9	0.070135		1.50	
L2535809-11	1	10	0.045861		1.50	
CCV 0.4000	1	S6	0.37580	94%		
		Known Conc:	0.40000			
CCV 4.0000	1	S3	3.6720	92%		
		Known Conc:	4.0000			
CCB	1	S10	0.020607	✓		
		Known Conc:	0.0000			
L2535809-17	1	11	0.096931		1.50	
L2536553-01	1	12	0.38222		3.00	
L2536553-02	1	13	0.073707		1.50	
L2535389-01	1	14	0.35900		1.50	
L2535389-02	1	15	0.65985		1.50	
L2535389-03	1	16	0.45293		1.50	
L2535389-04	1	17	0.64034		1.50	
L2535809-20	1	18	0.13246		1.50	
L2535809-23	1	19	0.057610		1.50	
L2535822-04	1	20	0.058452		1.50	
CCV 0.4000	1	S6	0.37530	94%		
		Known Conc:	0.40000			
CCV 4.0000	1	S3	3.7258	93%		
		Known Conc:	4.0000			
CCB	1	S10	0.020016	✓		
		Known Conc:	0.0000			
L2535822-07	1	21	0.067416		1.50	
L2535822-16	1	22	0.099796		1.50	
L2535830-01	1	23	0.74765		1.50	
L2535830-02	1	24	8.2065		1.50	
L2535822-22	1	25	0.23198	95%	1.50	
CCV 0.4000	1	S6	0.38092	95%		
		Known Conc:	0.40000			
CCV 4.0000	1	S3	3.7265	93%		
		Known Conc:	4.0000			
CCB	1	S10	0.023130	✓		
		Known Conc:	0.0000			

(H)

Channel 1 (Ammonia Low) - Current View

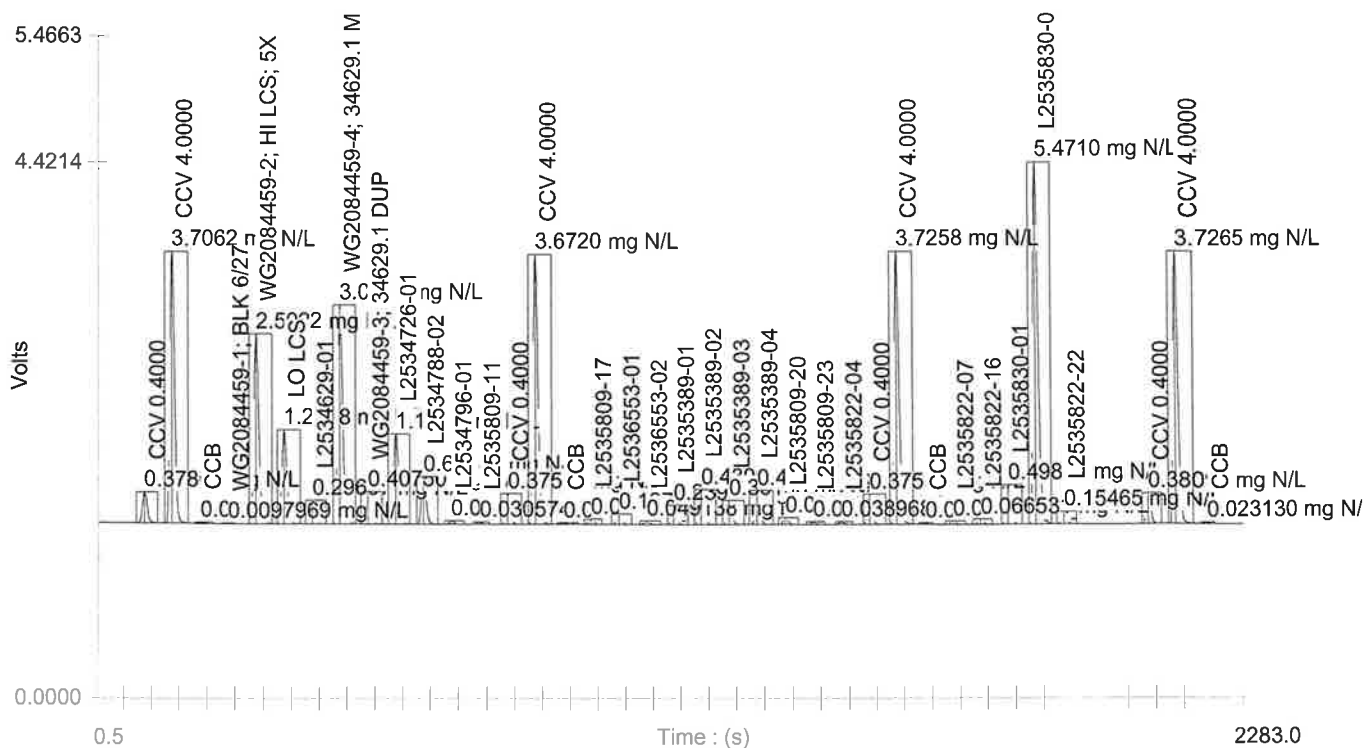
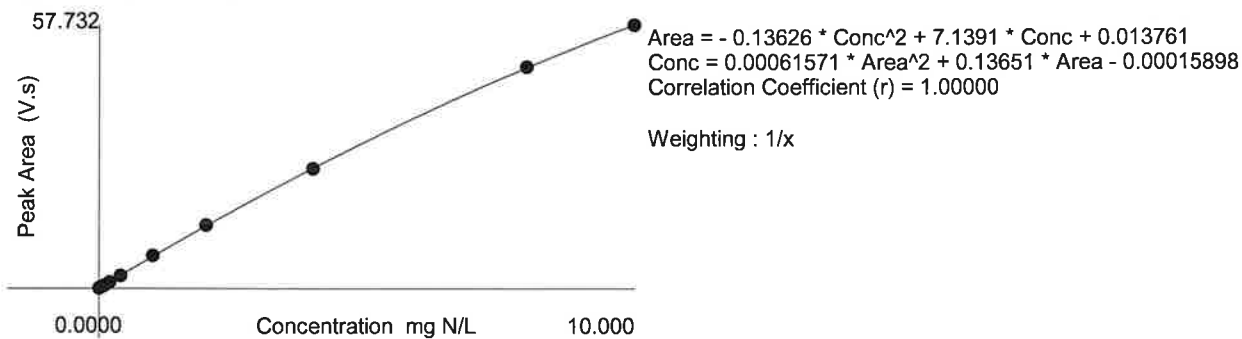


Table : 1 (Ammonia)

	Known Conc. (mg N/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg N/L)	Detection Date	Detection Time
1	10.000	1	57.732	5.2016	0.0	0.1	9.9331	6/27/2025	6:02:53 PM
2	8.0000	1	48.496	4.4543	0.0	-0.2	8.0683	6/27/2025	6:03:48 PM
3	4.0000	1	26.244	2.5363	0.0	0.6	4.0067	6/27/2025	6:04:45 PM
4	2.0000	1	13.858	1.3555	0.0	-0.8	2.0099	6/27/2025	6:05:40 PM
5	1.0000	1	7.1776	0.69662	0.0	-2.3	1.0114	6/27/2025	6:06:37 PM
6	0.40000	1	2.7546	0.26503	0.0	3.3	0.38056	6/27/2025	6:07:33 PM
7	0.20000	1	1.4014	0.13304	0.0	2.4	0.19236	6/27/2025	6:08:31 PM
8	0.10000	1	0.68581	0.068241	0.0	5.6	0.093753	6/27/2025	6:09:28 PM
9	0.050000	1	0.36946	0.036112	0.0	0.2	0.050362	6/27/2025	6:10:24 PM
10	0.0000	1	0.045910	0.0046434			0.0061097	6/27/2025	6:11:19 PM

Figure : 1 (Ammonia)



Quality Control

Form 5a Matrix Spike

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Client Sample ID	: NA	Matrix	: WATER
Lab Sample ID	: L2534995-01	MS Analysis Date	: 06/27/25 22:16
Matrix Spike	: WG2083974-4	MSD Analysis Date	:
Matrix Spike Dup	:		

Parameter	Sample Conc. (mg/l)	Matrix Spike Sample		%R	Matrix Spike Duplicate		%R	RPD	Recovery Limits	RPD Limit
		Spike Added (mg/l)	Spike Conc. (mg/l)		Spike Added (mg/l)	Spike Conc. (mg/l)				
Nitrogen, Total Kjeldahl	0.426	8	8.58	102					77-111	24



Form 6 Lab Duplicates

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Client Sample ID	: NA	Matrix	: WATER
Lab Sample ID	: NA	Analysis Date	: 06/27/25 22:15
Dup Sample ID	: WG2083974-3	DUP Analysis Date	: 06/27/25 22:17

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Nitrogen, Total Kjeldahl	0.426	0.466	9	24



Form 7

Laboratory Control Sample

Client : Roux Env. Eng. & Geology, DPC Project Name : CORAM GROUNDWATER EVENT Client Sample ID : NA Lab Sample ID : WG2083974-2 Dup Sample ID :	Lab Number : L2538805 Project Number : 2232.0006Y005 Matrix : WATER LCS Analysis Date : 06/27/25 22:13 LCSD Analysis Date :
--	--

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/l)	Found (mg/l)	%R	True (mg/l)	Found (mg/l)	%R			
Nitrogen, Total Kjeldahl	40.0	38.2	96.					78-122	24



Date Created: 11/11/21
Created By: Jason Hebert
File: PM11467-1
Page: 1

WETCHEM (WATER

[illegible]

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soll/Solids only)
Please Note that the Information provided in this table is subject to change at anytime at the discretion of the laboratory.

Date Created: 11/11/21
Created By: Jason Hebert
File: PM11468-1
Page: 1

WETCHEM (SOIL)

[illegible]

Please Note that the RL Information provided in this table is calculated using a 100% Solids factor. (Soll/Solids only)
Please Note that the Information provided in this table is subject to change at anytime at the discretion of the laboratory.

Calculations of Nitrogen in TKN

Aqueous samples:

Compute sample TKN –N concentration by comparing sample peak areas with standard curve, as determined by the Lachat instrument software.

If the sample has a concentration of less than 2ppm, calculate results by using the low curve generated on Channel 1.

If the sample concentration is greater than 2ppm, calculate the results by using the high curve generated on Channel 2.

To Compute the final results for aqueous samples, multiply the direct reading by the dilution factor based on the initial preparation volume. (also done using software)

$$\text{TKN-N mg/L} = \text{mg/L direct reading} \times \text{dilution factor}$$

Sequence Logs

NH₃ 6/27/25 @

TITLE

PROJECT

Continued from Page

tg. A (06-01-568m)
py 6/26/25 @2201

tg. B (06-57-508m)
py 6/26/25 @2204

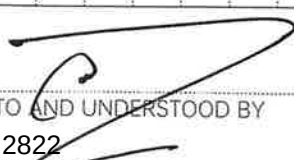
- 1 Hi IW 8.0
- 2 Lo IW 1.0
- 3 IUB
- 4 Wt 2083971-1; Blue 6/26
- 5 Wt 2083971-2; Hi us 5+
- 6 Lo us
- 7 34129.6
- 8 Wt 2083971-4; 34129.6 us
- 9 Wt 2083971-3; 34129.6 us
- 10 34129.7
- 11 Wt 2083971-6; 34129.7 us
- 12 Wt 2083971-5; 34129.7 us
- 13 34373.1 (Cr)
- 14 .2
- 15 35107.1
- 16 .2
- 17 35113.1
- 18 .2
- 19 35117.1
- 20 35118.1
- 21 35122.1
- 22 35124.1
- 23 35127.1
- 24 35130.1
- 25 35134.1
- 26 .2
- 27 .3
- 28 .4
- 29 .5
- 30 .6

- 1 Wt 2083972-1; Au 6/26
- 2 Wt 2083972-2; Hi us 5+
- 3 Lo us
- 4 34514.3 - 20+
- 5 35017.1
- 6 Wt 2083972-4; 35017.1 us
- 7 Wt 2083972-3; 35017.1 us
- 8 35207.7
- 9 .10
- 10 .16
- 11 35209.2
- 12 .5
- 13 .8
- 14 .14
- 15 35814.7
- 16 .10
- 17 .19
- 18 .25
- 19 35819.17
- 20 .26
- 21 35820.17
- 22 35822.1
- 23 .10
- 24 .13
- 25 .19
- 26 LOQ2

Date: 6/27/25
Sodium Phenolate: 6/2/25 R-4361
Sodium Hypochlorate: 6/2/25 9709 560
Sodium Nitroprusside: 6/2/25 R-3969
Boric Acid Soln.: 6/2/25 R-4266
ICV 1.0: 6/20/25 WC-3612
ICV 8.0:
Cal. Std: 6/2/25 WC-3561
See Front Page for Instructions:

Continued from Page

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Dr. --

NH₃ 6/27/24 @ Cont.

TITLE

PROJECT

Continued from Page

fg. C (08.36.29 PM)
P-2 6/27/24 @ 0012

fg. D (09.27.26 PM)
P-2 6/27/24 @ 0012

- 1 Wb 2084114-1; Blu 6/27
- 2 Wb 2084114-2; Hi us 5.0
- 3 Wb us
- 4 34777.1
- 5 .2
- 6 34778.1
- 7 34779.6
- 8 .7
- 9 .8
- 10 .9
- 11 filter Blu
- 12 34779.10
- 13 34841.2
- 14 Wb 2084114-4; 34841.2 us
- 15 Wb 2084114-3; 34841.2 us
- 16 34841.4
- 17 .6
- 18 .8
- 19 .10
- 20 .12

- 1 Wb 2084113-1; Blu 6/27
- 2 Wb 2084113-2; Hi us 5.0
- 3 Wb us
- 4 34772.1 (5.0) -50+
- 5 .2 (5.0) -50+
- 6 .3 -10+
- 7 34335.1 -10+
- 8 .2
- 9 34779.1
- 10 .2
- 11 34704.1
- 12 34720.1 -10+
- 13 .2
- 14 34771.1 -10+
- 15 .2 -10+
- 16 34779.3
- 17 Wb 2084113-4; 34779.3 us
- 18 Wb 2084113-3; 34779.3 us
- 19 34779.4
- 20 .5

Continued from Page

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DATE

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PROPRIETARY INFORMATION

tg NH₃ 6/23/15 @ Cont.

TITLE

PROJECT

Continued from Page

tg-E (10-09-01 PM)
Ppg 6/24/15 @ 2215

tg-F (11-00-03 PM)
Ppg 6/24/15 @ 2207

- 1 Wb 2083974-1 T. Blk 6/26
- 2 Wb 2083974-2 T. Hi us T+
- 3 low T
- 4 34995.1 T
- 5 Wb 2083974-4 T. 34995.1 m)
- 6 Wb 2083974-3 T. 34995.1 m)
- 7 35000.1 T
- 8 35005.1 T (20)
- 9 35007.1 T (5+)
- 10 35010.1 T (10+)
- 11 38382.7 T
- 12 38805.1 T
- 13 .2 T
- 14 .3 T
- 15 .4 T
- 16 .5 T
- 17 .6 T
- 18 35003.1 T (5+)
- 19 35002.1 T (10+)
- 20 35008.1 T (10+)

- 1 Wb 2083978-1 T. Blk 6/25
- 2 Wb 2083978-2 T. Hi us T+
- 3 low T
- 4 34732.1 T (10+) -50+
- 5 .2 T (5+) -50+
- 6 .3 T -10+
- 7 34726.1 T
- 8 34755.1 T
- 9 34766.1 T (5+)
- 10 .2 T (5+)
- 11 34768.1 T
- 12 .2 T
- 13 34771.1 T -10+
- 14 .2 T -10+
- 15 34774.1 T
- 16 .2 T
- 17 35028.1 T -
- 18 Wb 2083978-4 T. 35028.1 m)
- 19 Wb 2083978-3 T. 35028.1 m)
- 20 LOQ1 (Wb 2083978-5)

Continued from Page

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PROPRIETARY INFORMATION

NLS 6/27/25 (A) Cont.

TITLE

PROJECT

Continued from Page

6/28/25

tg-G (11-3237PM)
Prg 6/27/25 @2138

tg-H (12-11-51 AM)
Prg 6/27/25 @2142

1 WU2084454-1; Bu 6/27
2 WU2084454-2; Hi 43-5 +
3 low
4 34856.3
5 WU2084454-4; 34856.3 ms
6 WU2084454-3; 34856.3 128
7 34661.1
8 .2
9 35216.3
10 .4
11 .5 (10+)
12 .6
13 .7
14 .8
15 .9
16 .10
17 .11 -
18 36054.1
19 36287.1
20 .2
21 .4
22 .5
23 35717.1
24 .2
25 .3 -

1 WU2084459-1; Bu 6/27
2 WU2084459-2; Hi 43-5 +
3 low
4 34629.1
5 WU2084459-4; 34629.1 ms
6 WU2084459-3; 34629.1 128
7 34726.1
8 34788.2
9 34796.1
10 35809.11
11 .17
12 36553.1 (27)
13 .2
14 35889.1
15 .2
16 .3
17 .4
18 35809.20
19 .23
20 35822.4
21 .7
22 .16
23 35830.1
24 .2
25 35822.22

SIGNATURE

DATE

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DATE

PROPRIETARY INFORMATION

Sample Preparation

WG2083974



Samples				Vol	Dilutions	FinVol
Blank				50ml	1x	150ml
Low						
High						
1253	4995	-01	PA			
	5000	-01				
	5002	-01			10x (5↑50) matrix	
	5003	-01			5x (10↑50) N=11.053	
	5005	-01			2x (25↑50) N=9.79	
	5007	-01			5x (10↑50) N=11.9	
	5008	-01			10x (5↑50) N=27.14	
	5010	-01			50x (1↑50) N=66.8	
	8382	-07			1x	
	8805	-01				
Missed mix 6/26/25	8807	-02				
		-03				
		-04				
		-05				
		-06				
	4995	-01	DUP			
		-01	MS			
all standards and reagents same as 6/26/25 @ 22:15 N/C + GEF						
page # 127						

Nitrate and Nitrite Analysis

Results

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-01	Date Collected	: 06/19/25 11:10
Client ID	: MW-4S	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 06/21/25 05:31
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500NO3-F	Analyst	: KAF
Lab File ID	: NO3250621-A1	Instrument ID	: LACHAT
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Nitrite	ND	0.050	0.013	U

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-02	Date Collected	: 06/19/25 11:05
Client ID	: MW-4D2	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 06/21/25 05:38
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500NO3-F	Analyst	: KAF
Lab File ID	: NO3250621-A1	Instrument ID	: LACHAT
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Nitrite	ND	0.050	0.013	U

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-03	Date Collected	: 06/19/25 10:00
Client ID	: SCDOH-DR	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 06/21/25 05:39
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500NO3-F	Analyst	: KAF
Lab File ID	: NO3250621-A1	Instrument ID	: LACHAT
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Nitrite	ND	0.050	0.013	U

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-04	Date Collected	: 06/19/25 08:38
Client ID	: MW-10S	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 06/21/25 05:40
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500NO3-F	Analyst	: KAF
Lab File ID	: NO3250621-A1	Instrument ID	: LACHAT
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Nitrite	ND	0.050	0.013	U

Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-05	Date Collected	: 06/19/25 08:50
Client ID	: MW-10D	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 06/21/25 05:42
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500NO3-F	Analyst	: KAF
Lab File ID	: NO3250621-A1	Instrument ID	: LACHAT
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Nitrite	ND	0.050	0.013	U



Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-06	Date Collected	: 06/19/25 12:00
Client ID	: EQUIPMENT BLANK	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 06/21/25 05:47
Sample Matrix	: Equipment Blank	Dilution Factor	: 1
Analytical Method	: 121,4500NO3-F	Analyst	: KAF
Lab File ID	: NO3250621-A1	Instrument ID	: LACHAT
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Nitrite	ND	0.050	0.013	U

Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: WG2081668-1	Date Collected	: NA
Client ID	: WG2081668-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 06/21/25 04:59
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500NO3-F	Analyst	: KAF
Lab File ID	: NO3250621-A1	Instrument ID	: LACHAT
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Nitrite	ND	0.050	0.013	U



Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: WG2081668-3	Date Collected	: 06/19/25 11:10
Client ID	: MW-4SDUP	Date Received	: 06/19/25
Sample Location	:	Date Analyzed	: 06/21/25 05:35
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500NO3-F	Analyst	: KAF
Lab File ID	: NO3250621-A1	Instrument ID	: LACHAT
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Nitrite	ND	0.050	0.013	U

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-01	Date Collected	: 06/19/25 11:10
Client ID	: MW-4S	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 06/21/25 05:31
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500NO3-F	Analyst	: KAF
Lab File ID	: NO3250621-A1	Instrument ID	: LACHAT
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
14797-55-8	Nitrogen, Nitrate	2.52	0.100	0.022	



Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-02	Date Collected	: 06/19/25 11:05
Client ID	: MW-4D2	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 06/21/25 05:38
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500NO3-F	Analyst	: KAF
Lab File ID	: NO3250621-A1	Instrument ID	: LACHAT
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
14797-55-8	Nitrogen, Nitrate	1.80	0.100	0.022	

Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-03	Date Collected	: 06/19/25 10:00
Client ID	: SCDOH-DR	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 06/21/25 05:39
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500NO3-F	Analyst	: KAF
Lab File ID	: NO3250621-A1	Instrument ID	: LACHAT
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
14797-55-8	Nitrogen, Nitrate	4.12	0.100	0.022	

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-04	Date Collected	: 06/19/25 08:38
Client ID	: MW-10S	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 06/21/25 05:40
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500NO3-F	Analyst	: KAF
Lab File ID	: NO3250621-A1	Instrument ID	: LACHAT
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
14797-55-8	Nitrogen, Nitrate	1.41	0.100	0.022	

Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-05	Date Collected	: 06/19/25 08:50
Client ID	: MW-10D	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 06/21/25 05:42
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500NO3-F	Analyst	: KAF
Lab File ID	: NO3250621-A1	Instrument ID	: LACHAT
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
14797-55-8	Nitrogen, Nitrate	0.071	0.100	0.022	J

Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-06	Date Collected	: 06/19/25 12:00
Client ID	: EQUIPMENT BLANK	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 06/21/25 05:47
Sample Matrix	: Equipment Blank	Dilution Factor	: 1
Analytical Method	: 121,4500NO3-F	Analyst	: KAF
Lab File ID	: NO3250621-A1	Instrument ID	: LACHAT
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
14797-55-8	Nitrogen, Nitrate	ND	0.100	0.022	U

Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: WG2081672-1	Date Collected	: NA
Client ID	: WG2081672-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 06/21/25 05:07
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500NO3-F	Analyst	: KAF
Lab File ID	: NO3250621-A1	Instrument ID	: LACHAT
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
14797-55-8	Nitrogen, Nitrate	ND	0.100	0.022	U



Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: WG2081672-3	Date Collected	: 06/19/25 11:10
Client ID	: MW-4SDUP	Date Received	: 06/19/25
Sample Location	:	Date Analyzed	: 06/21/25 05:33
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500NO3-F	Analyst	: KAF
Lab File ID	: NO3250621-A1	Instrument ID	: LACHAT
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
14797-55-8	Nitrogen, Nitrate	2.53	0.100	0.023	

Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-01	Date Collected	: 06/19/25 11:10
Client ID	: MW-4S	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 06/21/25 05:31
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500NO3-F	Analyst	: KAF
Lab File ID	: NO3250621-A1	Instrument ID	: LACHAT
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Nitrate/Nitrite	2.5	0.10	0.046	

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-02	Date Collected	: 06/19/25 11:05
Client ID	: MW-4D2	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 06/21/25 05:38
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500NO3-F	Analyst	: KAF
Lab File ID	: NO3250621-A1	Instrument ID	: LACHAT
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Nitrate/Nitrite	1.8	0.10	0.046	

Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-03	Date Collected	: 06/19/25 10:00
Client ID	: SCDOH-DR	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 06/21/25 05:39
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500NO3-F	Analyst	: KAF
Lab File ID	: NO3250621-A1	Instrument ID	: LACHAT
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Nitrate/Nitrite	4.1	0.10	0.046	

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-04	Date Collected	: 06/19/25 08:38
Client ID	: MW-10S	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 06/21/25 05:40
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500NO3-F	Analyst	: KAF
Lab File ID	: NO3250621-A1	Instrument ID	: LACHAT
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Nitrate/Nitrite	1.4	0.10	0.046	

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-05	Date Collected	: 06/19/25 08:50
Client ID	: MW-10D	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 06/21/25 05:42
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500NO3-F	Analyst	: KAF
Lab File ID	: NO3250621-A1	Instrument ID	: LACHAT
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Nitrate/Nitrite	0.072	0.10	0.046	J

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-06	Date Collected	: 06/19/25 12:00
Client ID	: EQUIPMENT BLANK	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 06/21/25 05:47
Sample Matrix	: Equipment Blank	Dilution Factor	: 1
Analytical Method	: 121,4500NO3-F	Analyst	: KAF
Lab File ID	: NO3250621-A1	Instrument ID	: LACHAT
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Nitrate/Nitrite	ND	0.10	0.046	U

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: WG2081679-1	Date Collected	: NA
Client ID	: WG2081679-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 06/21/25 05:07
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500NO3-F	Analyst	: KAF
Lab File ID	: NO3250621-A1	Instrument ID	: LACHAT
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Nitrate/Nitrite	ND	0.10	0.046	U



Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: WG2081679-3	Date Collected	: 06/19/25 11:10
Client ID	: MW-4SDUP	Date Received	: 06/19/25
Sample Location	:	Date Analyzed	: 06/21/25 05:33
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500NO3-F	Analyst	: KAF
Lab File ID	: NO3250621-A1	Instrument ID	: LACHAT
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Nitrogen, Nitrate/Nitrite	2.5	0.10	0.05	

Sample Raw Data

Original Run Filename: OM_6-21-2025_04-16-06AM.OMN Created: 6/21/2025 4:16:06 AM

Original Run Author's Signature: [A1wetcheminstrument]

Current Run Filename: OM_6-21-2025_04-16-06AM.OMN Last Modified: 6/21/2025 7:44:00 AM

Current Run Author's Signature: [A1wetcheminstrument]

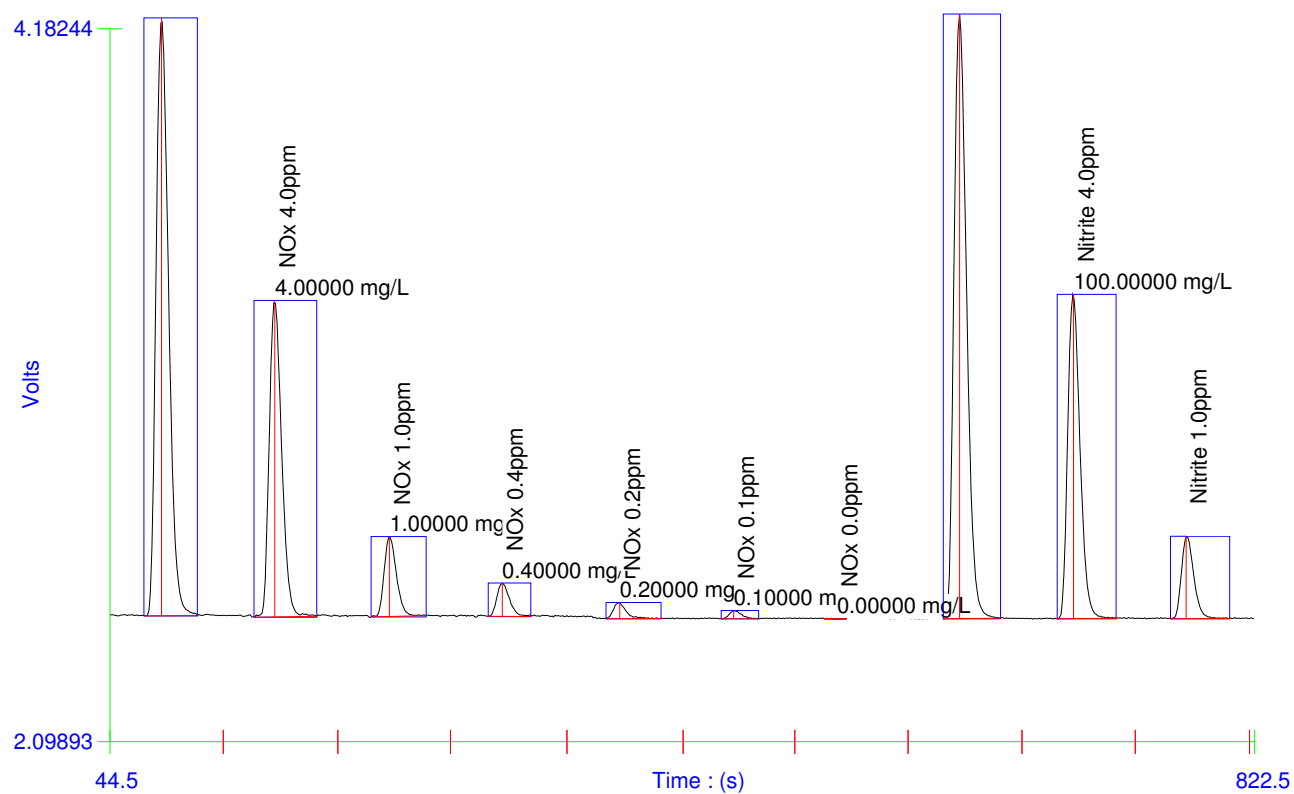
Description: Default New Run

Sample	Rep.	Cup No.	Channel 1	Channel 2	ADF	MDF	Weight
			NO3+NO2 (mg/L)	Nitrite (mg N/L)			
NOx 8.0ppm	1	S3	8.00000	100.00000			
NOx 4.0ppm	1	S4	4.00000	100.00000			
NOx 1.0ppm	1	S2	1.00000	100.00000			
NOx 0.4ppm	1	S5	0.40000	100.00000			
NOx 0.2ppm	1	S6	0.20000	100.00000			
NOx 0.1ppm	1	S7	0.10000	100.00000			
NOx 0.0ppm	1	S1	0.00000	100.00000			
Nitrite 8.0ppm	1	S10	100.00000	8.00000			
Nitrite 4.0ppm	1	S11	100.00000	4.00000			
Nitrite 1.0ppm	1	S9	100.00000	1.00000			
Nitrite 0.4ppm	1	S12	100.00000	0.40000			
Nitrite 0.1ppm	1	S13	100.00000	0.10000			
Nitrite 0.05ppm	1	S14	100.00000	0.05000			
Nitrite 0.0ppm	1	S1	100.00000	0.00000			
CCV NO3	1	S2	1.00022	-0.01171			
Known Conc:			1.00000	0.00000			
Calibration:			Table/Fig. : 1	Table/Fig. : 2			
CCV NO2	1	S9	1.04858	1.06247			
Known Conc:			0.00000	1.00000			
CCB	1	S1	-0.01810	-0.00906			
Known Conc:			0.00000	0.00000			
ICV NO3 5.0	1	1	5.01673	-0.00475			
ICV NO2 5.0	1	2	5.15109	5.17102			
ICV NO3 0.5	1	3	0.51113	-0.00331			
ICV NO2 0.5	1	4	0.51505	0.52477			
ICB	1	5	-0.02387	-0.00819			
DILUTER CHECK 8PPM	1	6	8.72007	-0.02039	5.00		
BLNK NO3	1	7	-0.01462	-0.00884			
LCS NO3	1	8	4.92412	4.95323			
BLNK NO2	1	9	-0.03435	-0.00823			
LCS NO2	1	10	5.08498	-0.00915			
CCV NO3	1	S2	1.02261	0.00144			
Known Conc:			1.00000	0.00000			
CCV NO2	1	S9	1.04465	1.05878			
Known Conc:			0.00000	1.00000			
CCB	1	S1	-0.05169	-0.00942			
Known Conc:			0.00000	0.00000			
WG2081665/666-1	1	11	-0.03915	-0.00293			
WG2081665/666-2	1	12	5.26179	5.21661			
WG2081668/669-1	1	13	-0.02142	-0.00193			
WG2081668/669-2	1	14	5.32919	5.24791			
WG2081670-1	1	15	-0.00253	-0.00496			
WG2081670-2	1	16	4.98433	-0.01020			
WG2081671/673-1	1	17	0.00358	-0.00542			
WG2081671/673-2	1	18	4.98049	-0.00816			
WG2081672/679-1	1	19	-0.06291	-0.00743			
WG2081672/679-2	1	20	5.01245	-0.00515			
CCV NO3	1	S2	1.01134	-0.00432			
Known Conc:			1.00000	0.00000			
CCV NO2	1	S9	1.04882	1.06909			
Known Conc:			0.00000	1.00000			
CCB	1	S1	-0.01840	-0.00611			
Known Conc:			0.00000	0.00000			
WG2081674-1	1	21	-0.04125	-0.00882			
WG2081674-2	1	22	4.94948	-0.00863			
WG2081676-1	1	23	-0.01241	-0.00551			
WG2081676-2	1	24	4.94590	-0.00835			
WG2081677/680-1	1	25	-0.00524	-0.00117			
WG2081677/680-2	1	26	4.95365	-0.00582			

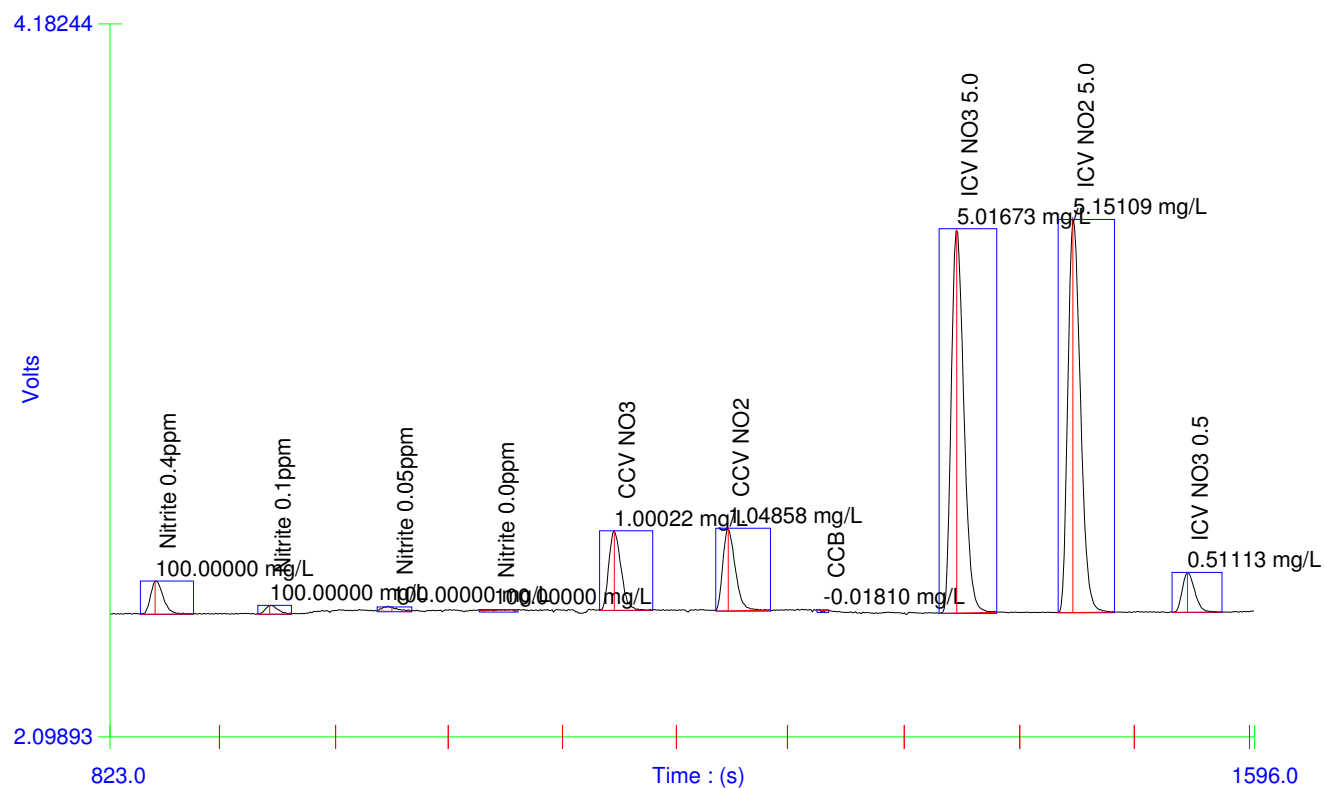
WG2081678-1	1	27	-0.01519	-0.00387			
WG2081678-2	1	28	4.92043	-0.00460			
L2538620-01A	1	29	0.09469	0.00310			
L2538620-02A	1	30	-0.01924	-0.00168			
CCV NO3	1	S2	1.03862	-0.00465			
Known Conc:			1.00000	0.00000			
CCV NO2	1	S9	1.06353	1.08038			
Known Conc:			0.00000	1.00000			
CCB	1	S1	-0.05315	-0.01315			
Known Conc:			0.00000	0.00000			
L2538620-03A	1	31	0.01438	0.00106			
L2538805-01L	1	32	2.52200	-0.00142			
WG2081672/679-3	1	33	2.52868	-0.01068			
WG2081672/679-4	1	34	6.48147	-0.00837			
WG2081668-3	1	35	2.52522	-0.00573			
WG2081668-4	1	36	6.34636	4.02796			
L2538805-02L	1	37	1.80374	0.00222			
L2538805-03L	1	38	4.11635	-0.00080			
L2538805-04L	1	39	1.41268	-0.00145			
L2538805-05L	1	40	0.07166	0.00327			
CCV NO3	1	S2	1.03960	-0.00892			
Known Conc:			1.00000	0.00000			
CCV NO2	1	S9	1.07196	1.08202			
Known Conc:			0.00000	1.00000			
CCB	1	S1	-0.01952	-0.00972			
Known Conc:			0.00000	0.00000			
L2538805-06L	1	41	0.01119	-0.00156			
L2539019-01L	1	42	0.03001	0.02137			
L2539019-02L	1	43	0.17150	0.06263			
L2539019-03L	1	44	3.28644	0.05035			
L2539019-04L	1	45	0.02903	0.01538			
L2539019-05L	1	46	0.22929	0.00542			
L2539019-06L	1	47	0.18306	0.02029			
L2539019-07L	1	48	0.01479	0.00201			
L2539019-08L	1	49	0.02528	0.00627			
L2539155-01C	1	50	0.02106	0.00133			
CCV NO3	1	S2	1.03641	-0.00832			
Known Conc:			1.00000	0.00000			
CCV NO2	1	S9	1.06872	1.08004			
Known Conc:			0.00000	1.00000			
CCB	1	S1	-0.01260	-0.01017			
Known Conc:			0.00000	0.00000			
L2539155-02C	1	51	0.02286	0.00072			
L2539155-03C	1	52	-0.01257	0.00158			
L2538650-01F	1	53	0.74468	0.00028			
WG2081670-5	1	54	0.74080	-0.00551			
WG2081670-6	1	55	4.83245	0.02327			
L2538650-02F	1	56	0.03280	-0.00047			
L2538650-03F	1	57	0.11198	0.03012			
L2538650-04F	1	58	0.02277	-0.00065			
L2538650-05F	1	59	0.03288	0.00024			
L2538650-06F	1	60	0.04118	0.01167			
CCV NO3	1	S2	1.03920	-0.00930			
Known Conc:			1.00000	0.00000			
CCV NO2	1	S9	1.05456	1.08685			
Known Conc:			0.00000	1.00000			
CCB	1	S1	-0.01730	-0.00960			
Known Conc:			0.00000	0.00000			
L2538651-01E	1	61	0.06220	0.02080			
L2538822-01F	1	62	0.47195	0.00213			
L2538822-02F	1	63	0.05177	0.04302			
L2538822-03F	1	64	0.03872	0.03475			
L2538822-04F	1	65	0.04848	0.04197			
L2538957-01E	1	66	0.02620	0.00694			
WG2081670-3	1	67	-0.02164	0.00102			
WG2081670-4	1	68	4.06734	0.00122			
WG2081665-3	1	69	0.02950	0.00698			
WG2081665-4	1	70	4.15440	4.23602			

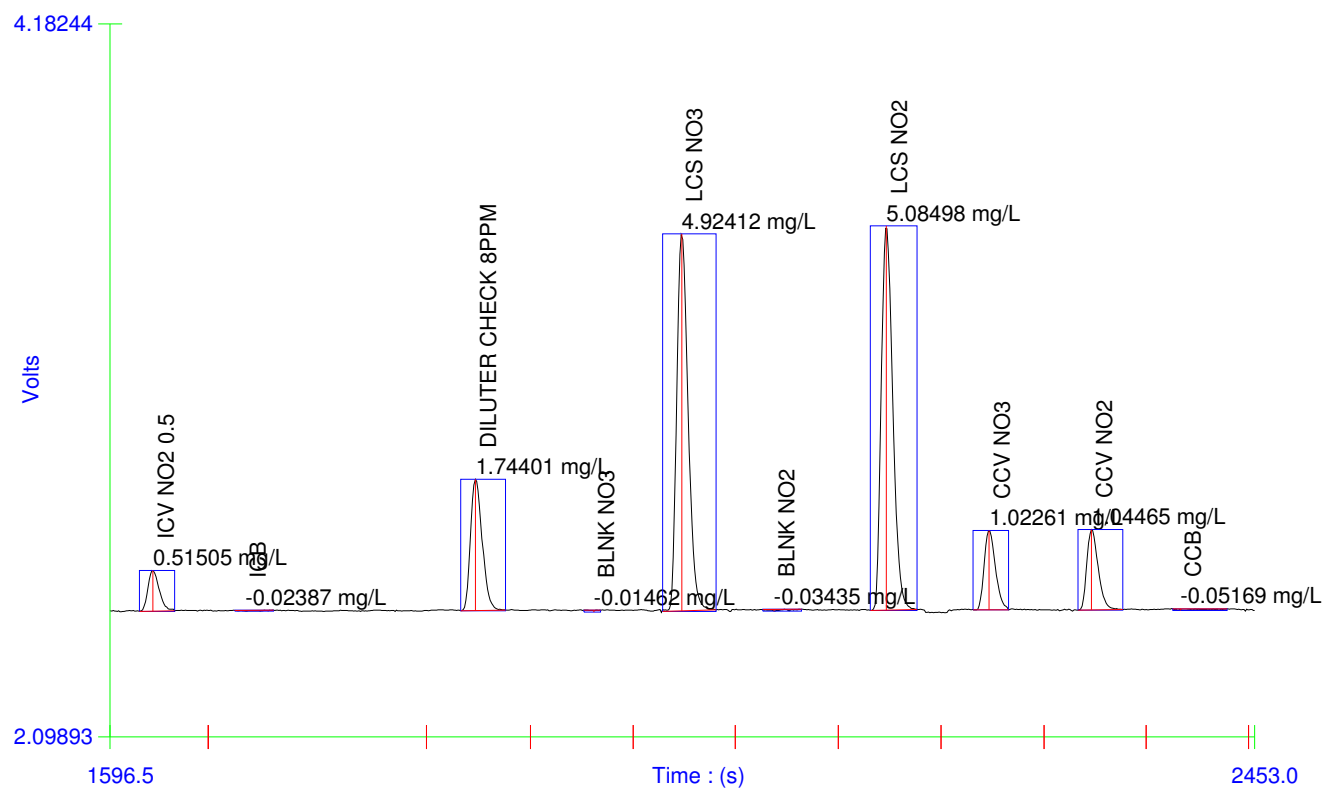
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CCV NO2	1	S9	1.05182	1.09047			
	Known Conc:		0.00000	1.00000			
CCB	1	S1	-0.03238	-0.01305			
	Known Conc:		0.00000	0.00000			
L2539161-01E	1	71	0.50065	0.00689			
L2539161-02E	1	72	0.53735	0.00655			
L2538978-01N	1	73	2.26633	0.00423			
L2538978-02N	1	74	0.22698	0.00965			
L2538975-01E	1	75	0.03360	0.00175			
WG2081673-3	1	76	-0.01747	-0.00488			
WG2081673-4	1	77	4.10475	0.01792			
L2539217-01F	1	78	0.75337	0.00269			
L2539217-02F	1	79	1.16878	0.01768			
L2539217-03F	1	80	0.14899	0.00908			
CCV NO3	1	S2	1.04083	-0.00801			
	Known Conc:		1.00000	0.00000			
CCV NO2	1	S9	1.07589	1.09080			
	Known Conc:		0.00000	1.00000			
CCB	1	S1	-0.01545	-0.01066			
	Known Conc:		0.00000	0.00000			
L2539217-04F	1	81	0.16170	0.00708			
L2539217-05F	1	82	0.05285	0.00206			
L2539083-01A	1	83	0.39661	0.03554			
L2539083-02A	1	84	0.39320	0.04046			
L2539083-03A	1	85	0.39707	0.03269			
L2539095-01G	1	86	0.03926	-0.00783			
L2535810-01A; UNPRESERVED	1	87	0.80562	0.04446			
WG2081674-3	1	88	0.79136	0.04323			
WG2081674-4	1	89	4.81286	0.04532			
WG2081669-3	1	90	0.81537	0.04572			
CCV NO3	1	S2	1.01884	-0.00400			
	Known Conc:		1.00000	0.00000			
CCV NO2	1	S9	1.05784	1.09240			
	Known Conc:		0.00000	1.00000			
CCB	1	S1	-0.01414	-0.00412			
	Known Conc:		0.00000	0.00000			
WG2081669-4	1	91	4.81608	4.19957			
L2535811-01A; UNPRESERVED	1	92	1.24852	0.07355			
L2539030-01A	1	93	0.06069	-0.00068			
L2539030-02A	1	94	0.04293	4.51642e-5			
L2539030-03A	1	95	0.04924	0.00015			
L2539030-04A	1	96	0.23718	0.00646			
L2539030-05A	1	97	0.10750	-0.00155			
L2539030-06A	1	98	0.17990	0.00410			
L2539030-07A	1	99	0.16855	0.00775			
L2539030-08A	1	100	0.18086	0.00443			
CCV NO3	1	S2	1.03350	-0.00215			
	Known Conc:		1.00000	0.00000			
CCV NO2	1	S9	1.04637	1.07818			
	Known Conc:		0.00000	1.00000			
CCB	1	S1	-0.02050	-0.01565			
	Known Conc:		0.00000	0.00000			
L2539030-09A	1	101	0.10287	0.00894			
L2537588-01A	1	102	0.41065	0.08522			
WG2081671-3	1	103	0.37344	0.08034			
WG2081671-4	1	104	4.38255	0.09981			
WG2081666-3	1	105	0.38526	0.08357			
WG2081666-4	1	106	4.49151	4.29387			
L2537588-02A	1	107	0.88352	0.05691			
L2539179-01F	1	108	0.03627	-0.00270			
L2539179-03F	1	109	2.54421	-0.01531			
L2539179-04F	1	110	0.12683	-0.00280			
CCV NO3	1	S2	1.03547	-0.01253			
	Known Conc:		1.00000	0.00000			
CCV NO2	1	S9	1.06223	1.12454			
	Known Conc:		0.00000	1.00000			

Channel 1 (NO₃+NO₂) - Set: 1 / 16

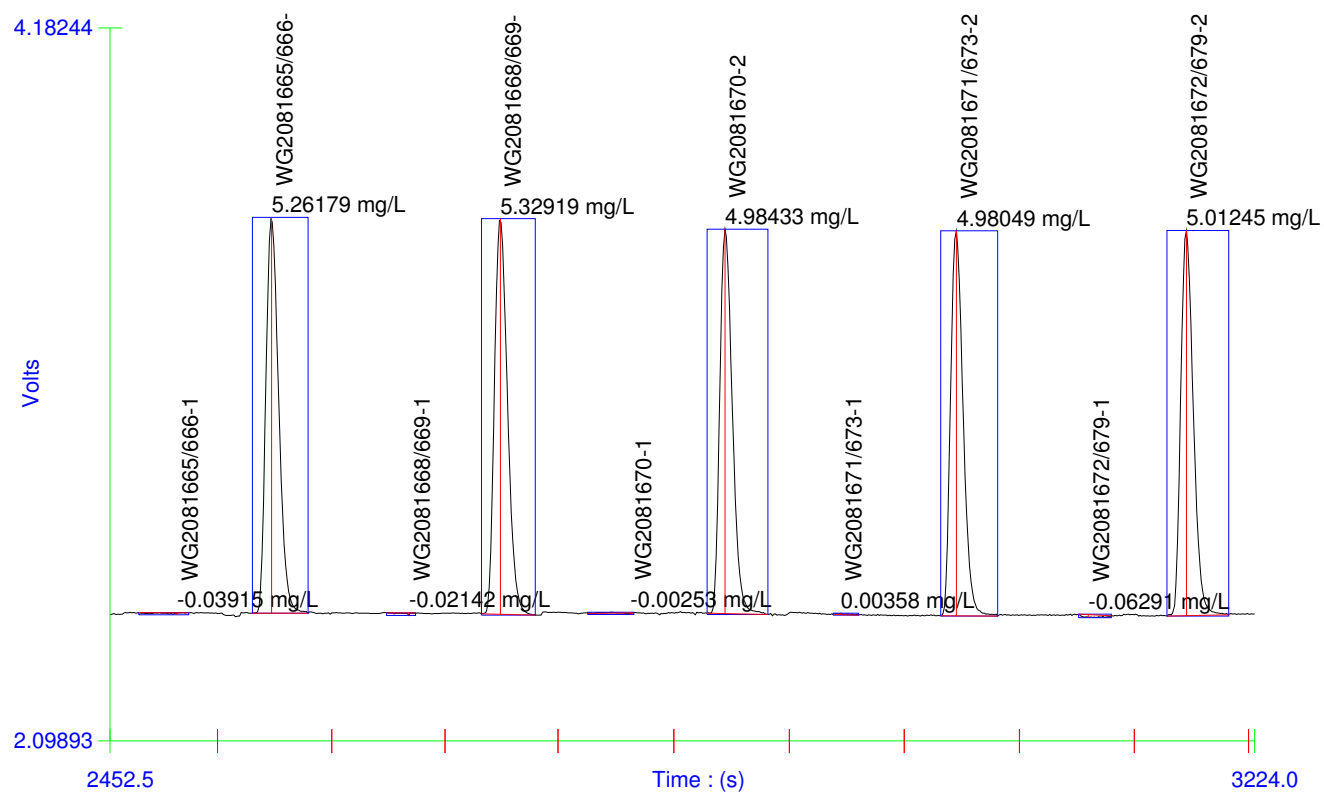


Channel 1 (NO₃+NO₂) - Set: 2 / 16

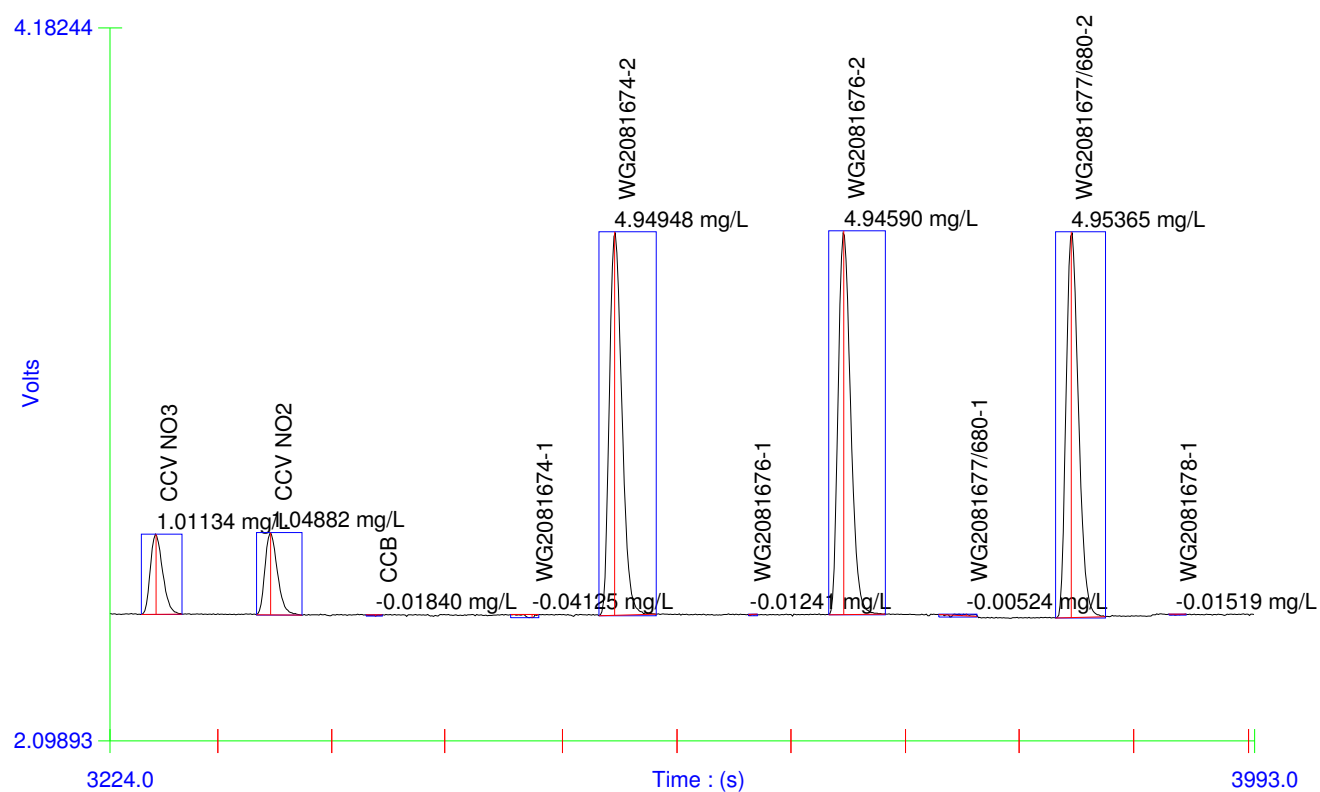


Channel 1 (NO₃+NO₂) - Set: 3 / 16

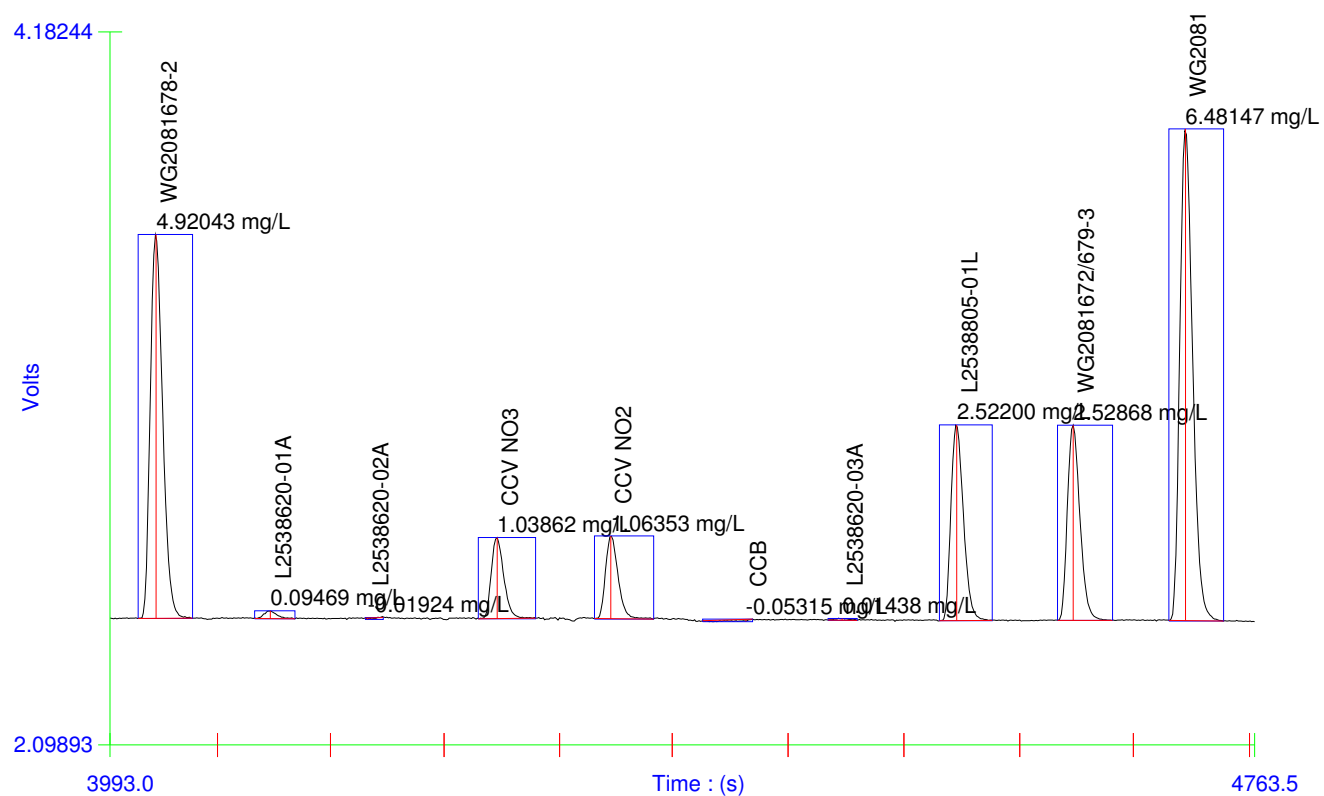
Channel 1 (NO3+NO2) - Set: 4 / 16



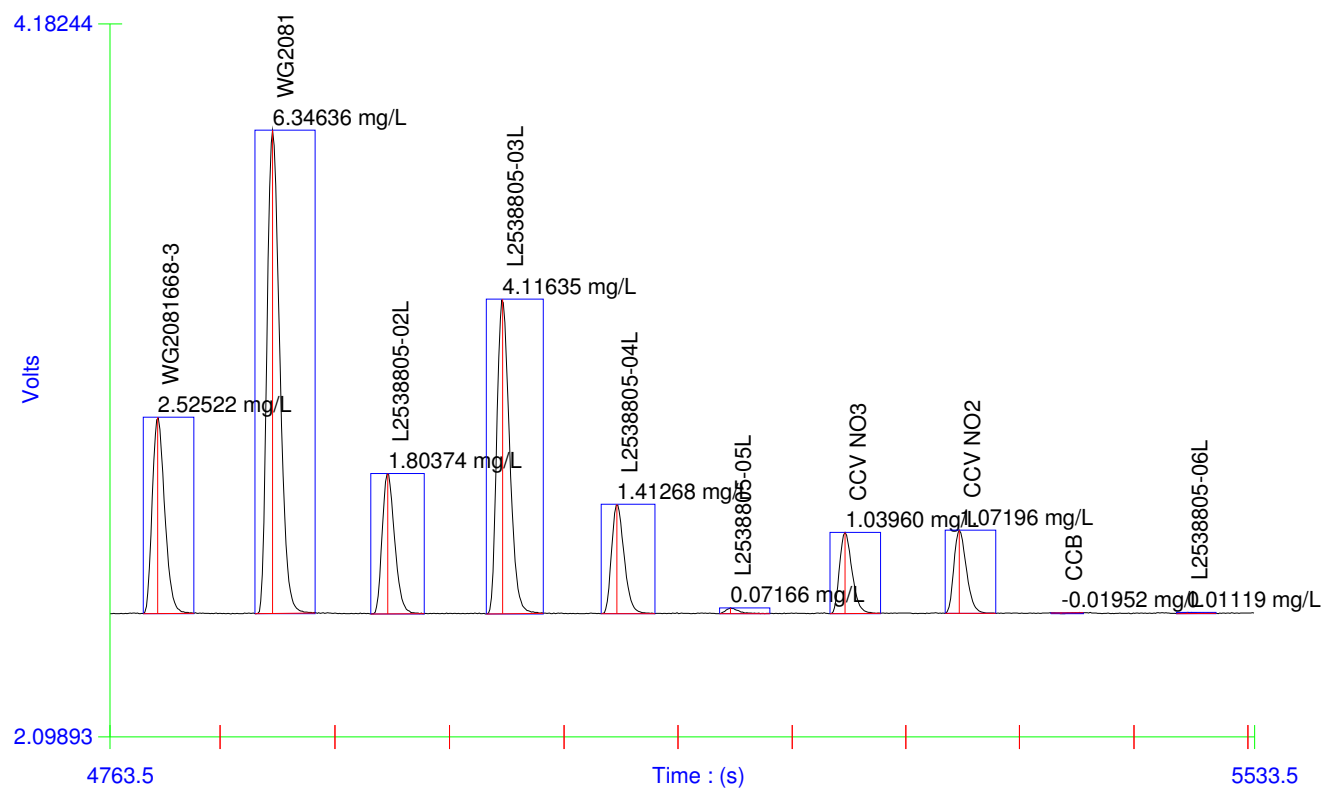
Channel 1 (NO3+NO2) - Set: 5 / 16



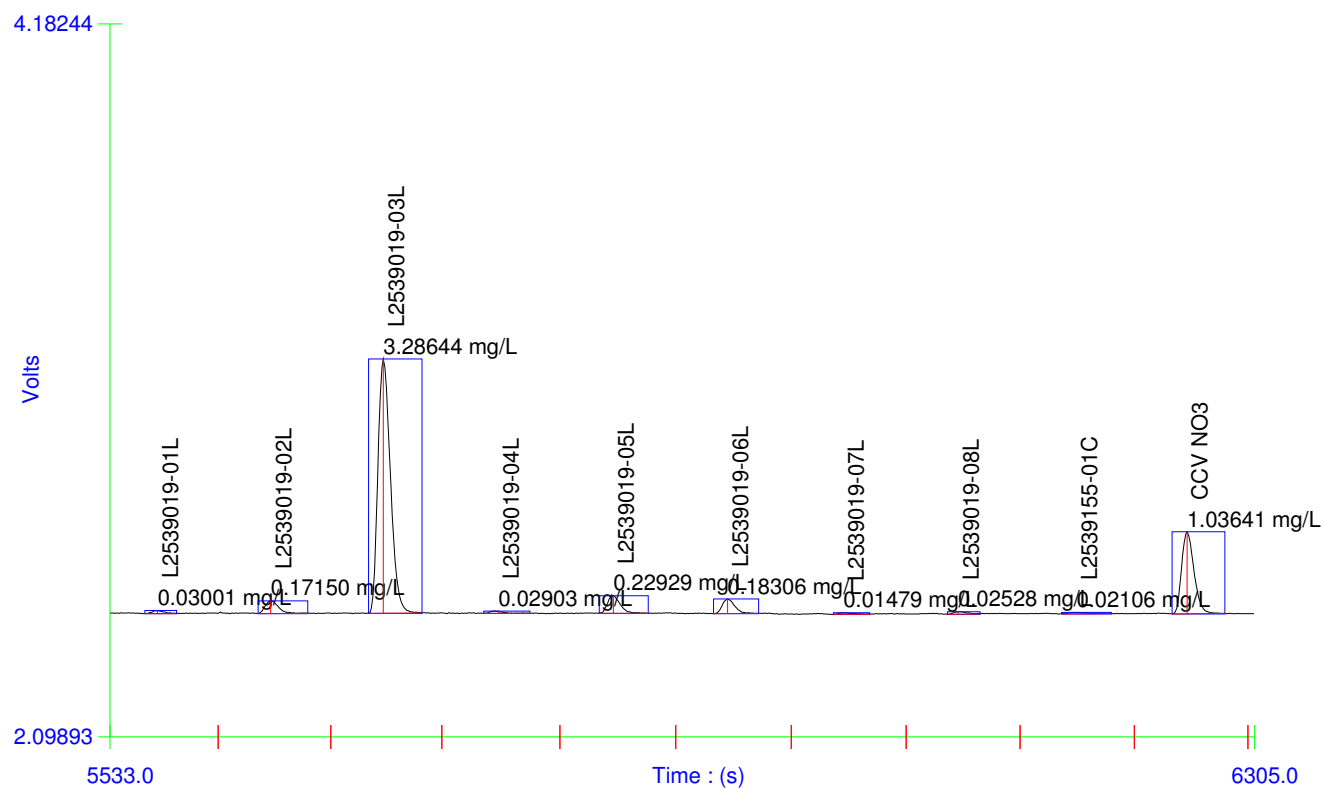
Channel 1 (NO3+NO2) - Set: 6 / 16



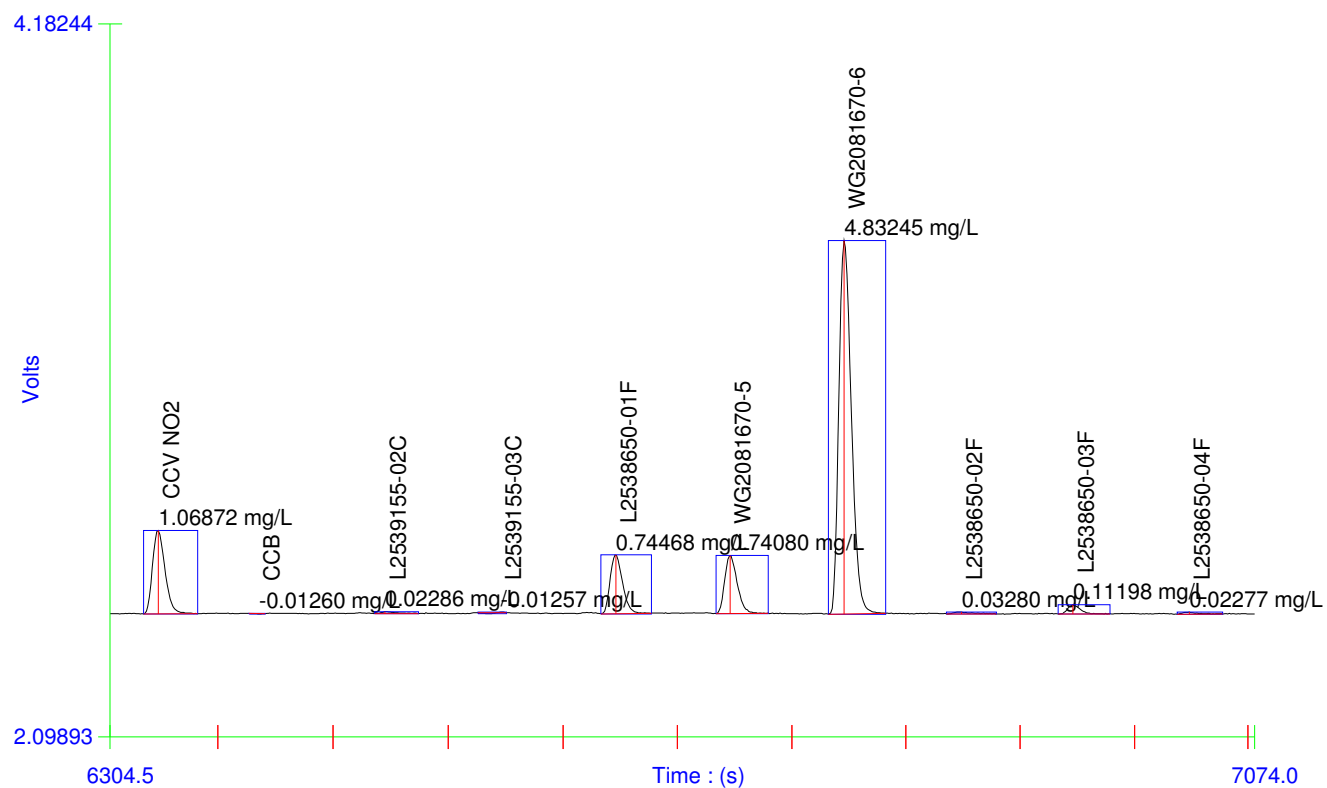
Channel 1 (NO3+NO2) - Set: 7 / 16



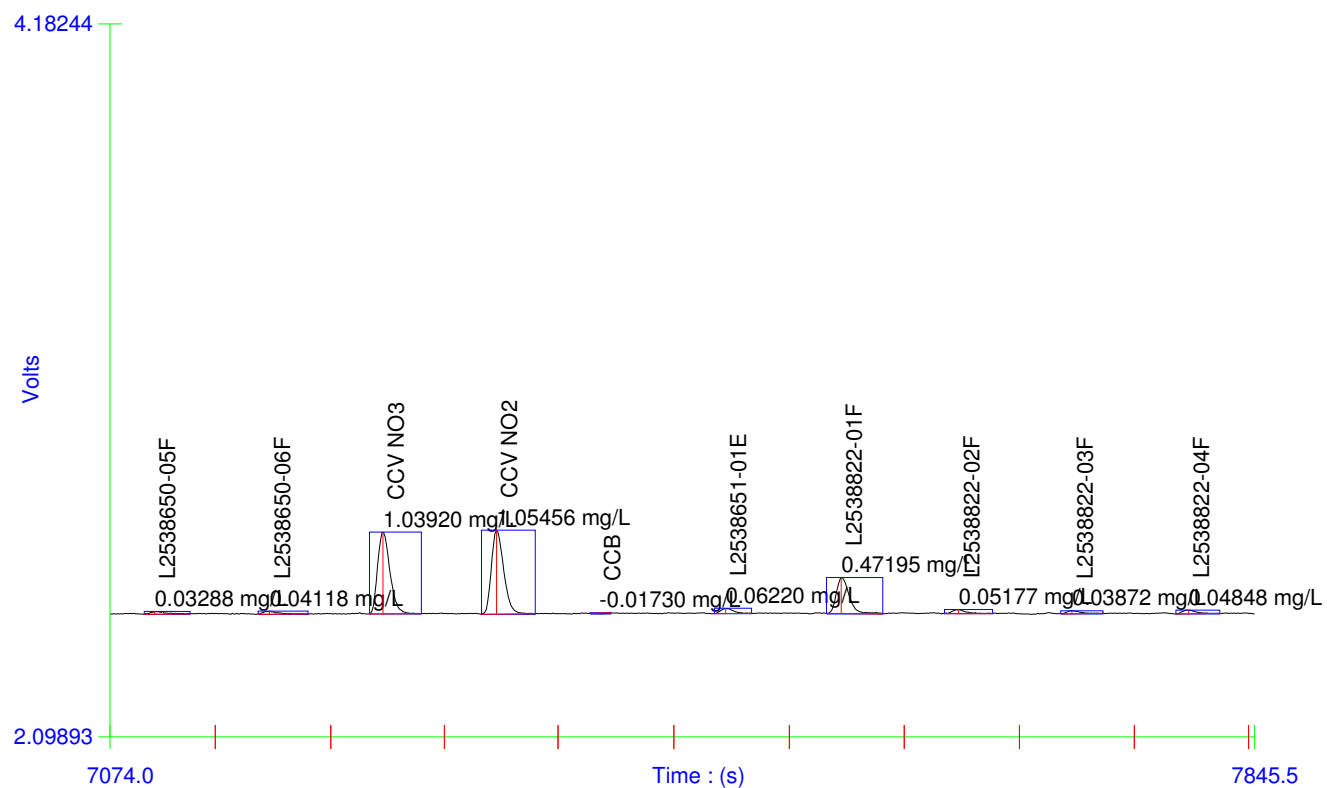
Channel 1 (NO3+NO2) - Set: 8 / 16



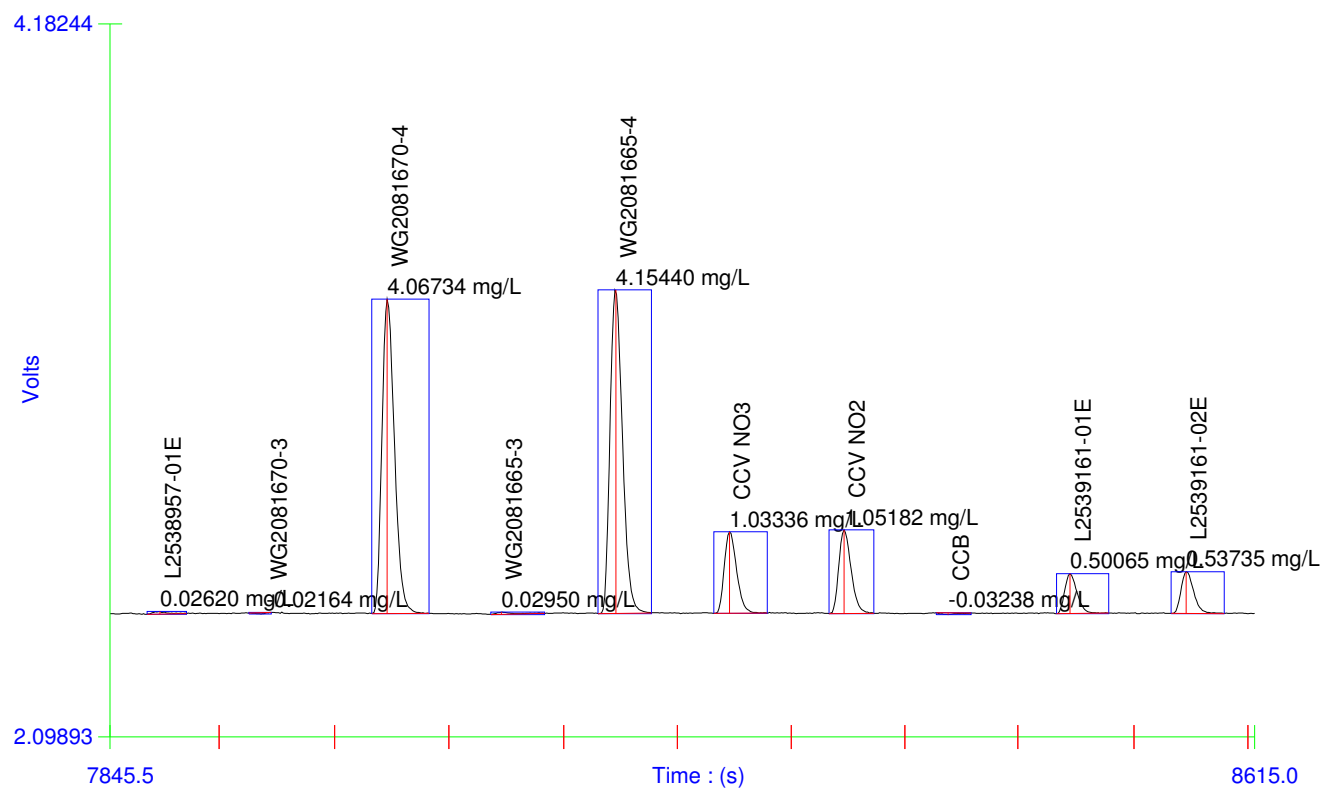
Channel 1 (NO3+NO2) - Set: 9 / 16



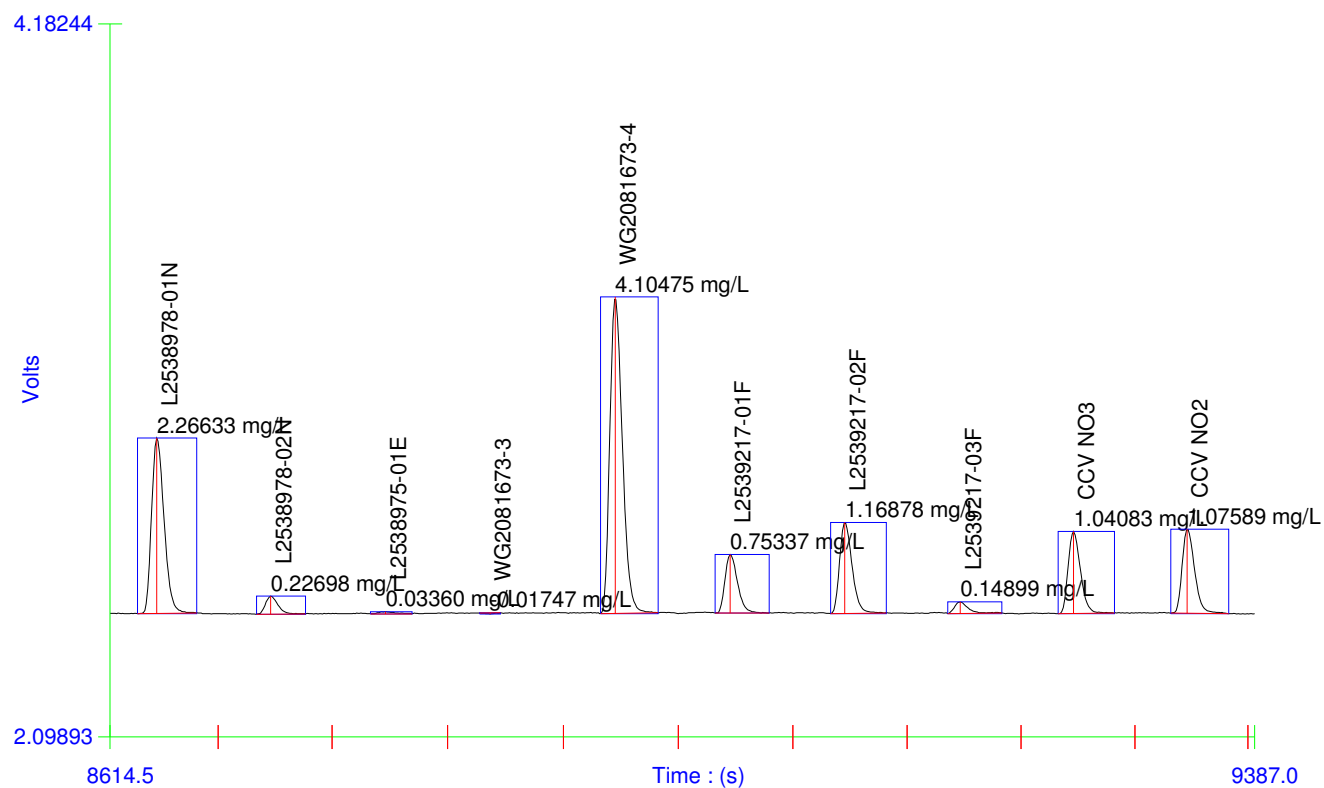
Channel 1 (NO3+NO2) - Set: 10 / 16



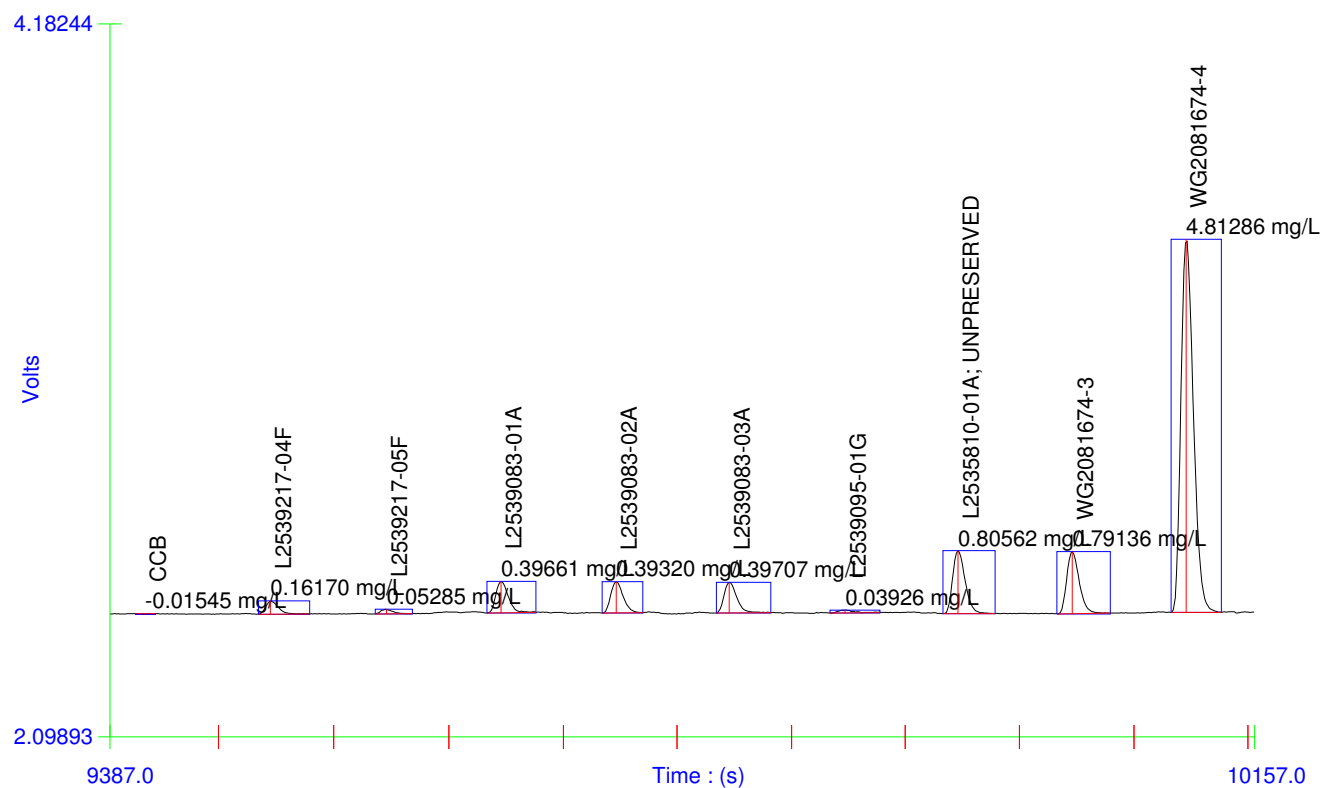
Channel 1 (NO3+NO2) - Set: 11 / 16



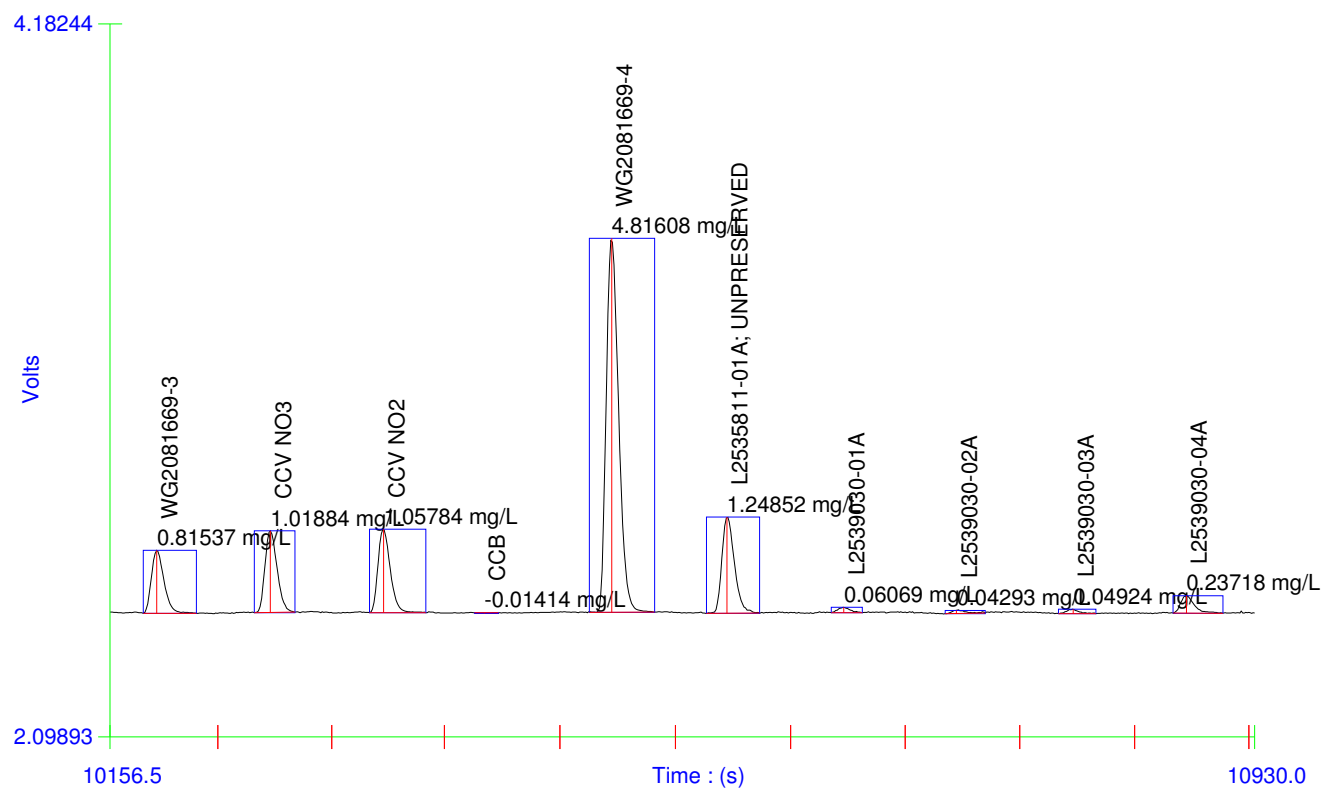
Channel 1 (NO3+NO2) - Set: 12 / 16



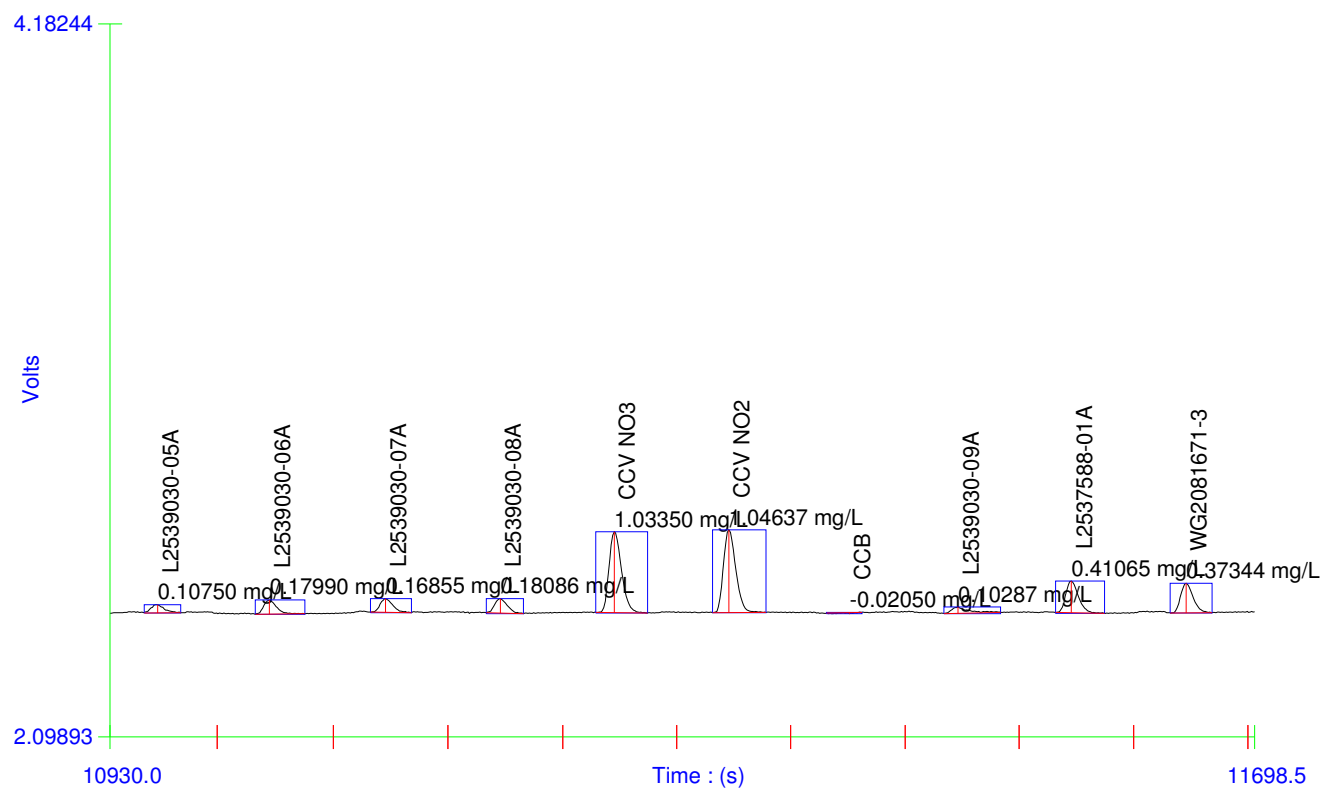
Channel 1 (NO3+NO2) - Set: 13 / 16



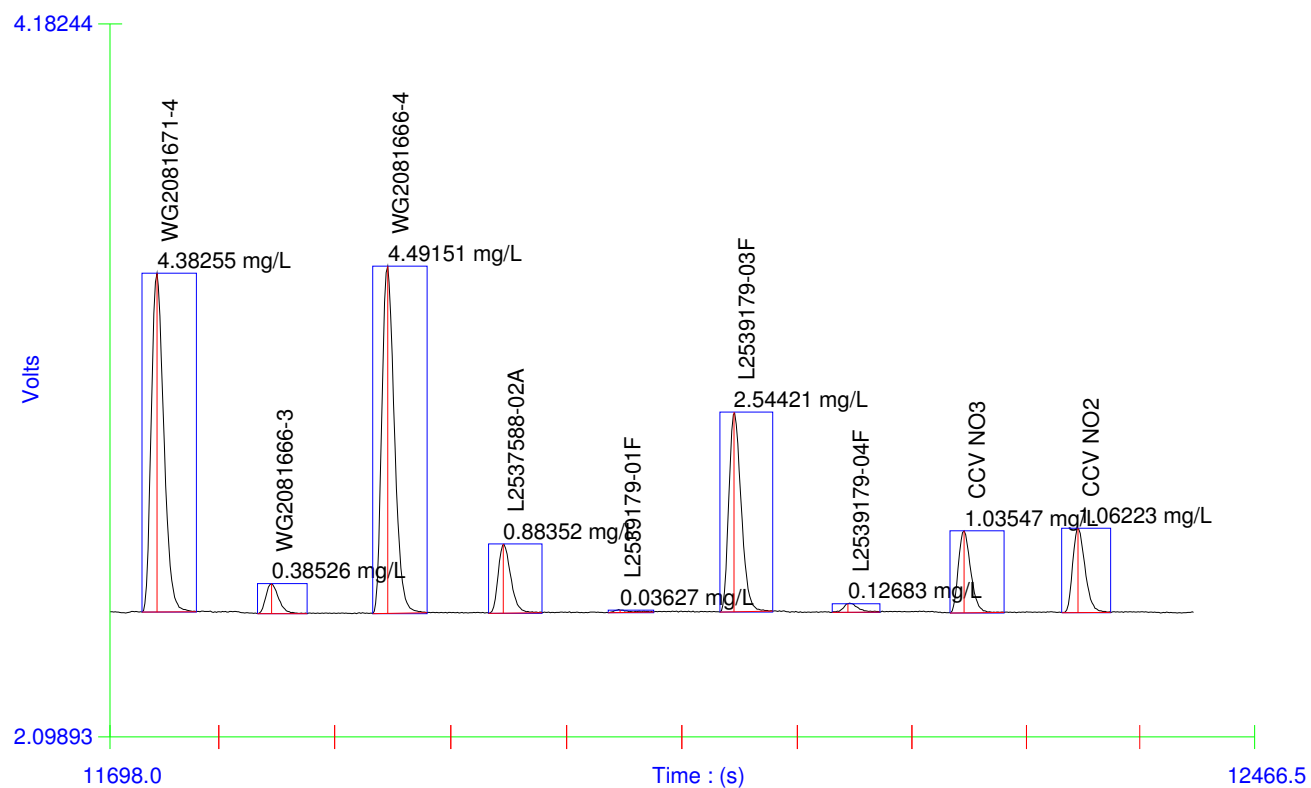
Channel 1 (NO3+NO2) - Set: 14 / 16



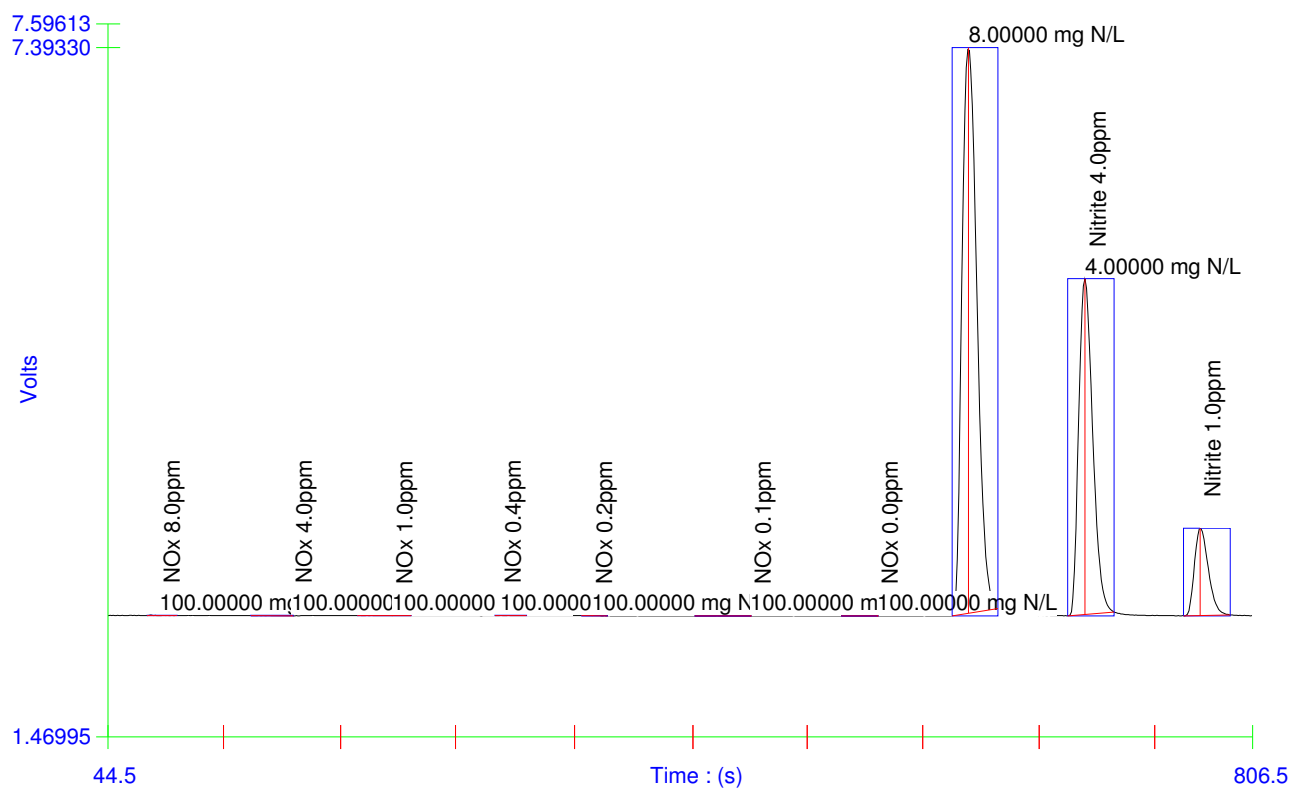
Channel 1 (NO3+NO2) - Set: 15 / 16



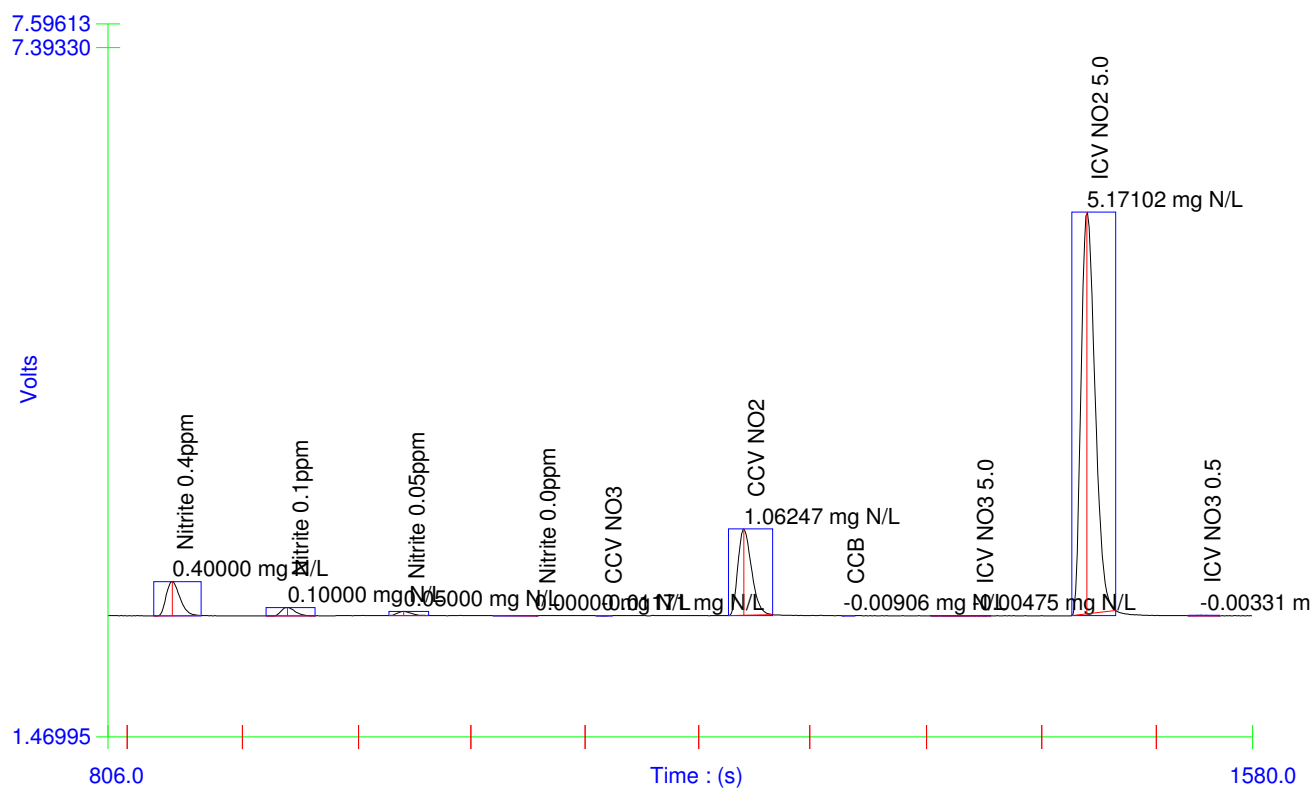
Channel 1 (NO3+NO2) - Set: 16 / 16



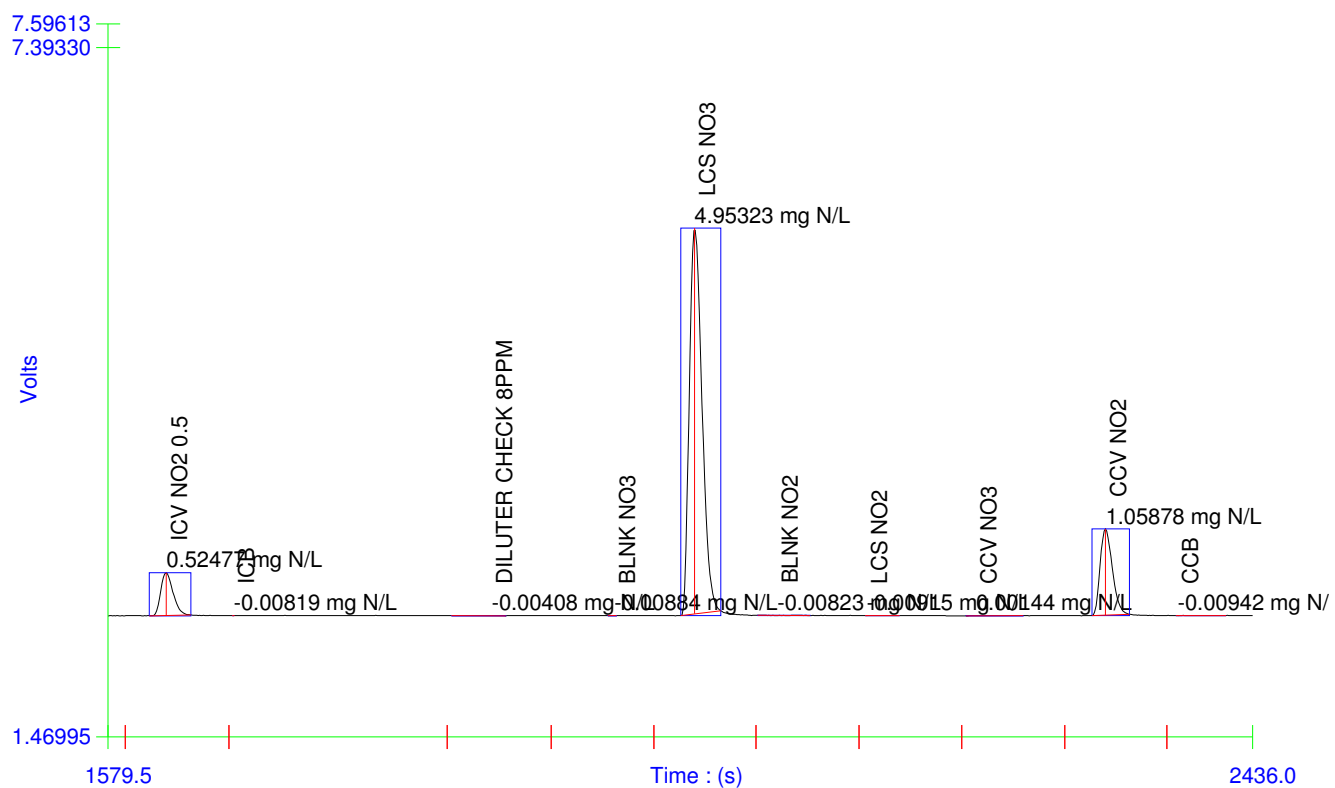
Channel 2 (NO2) - Set: 1 / 16



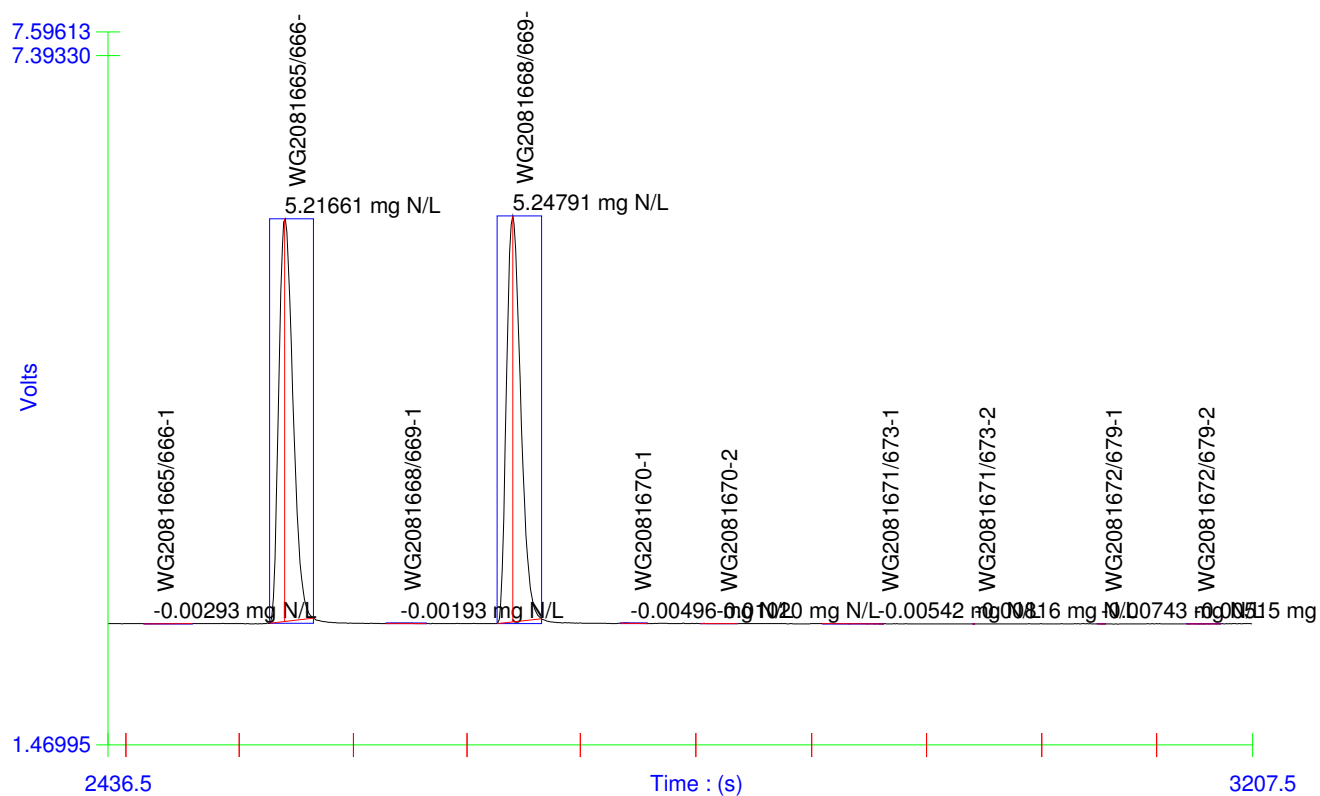
Channel 2 (NO₂) - Set: 2 / 16



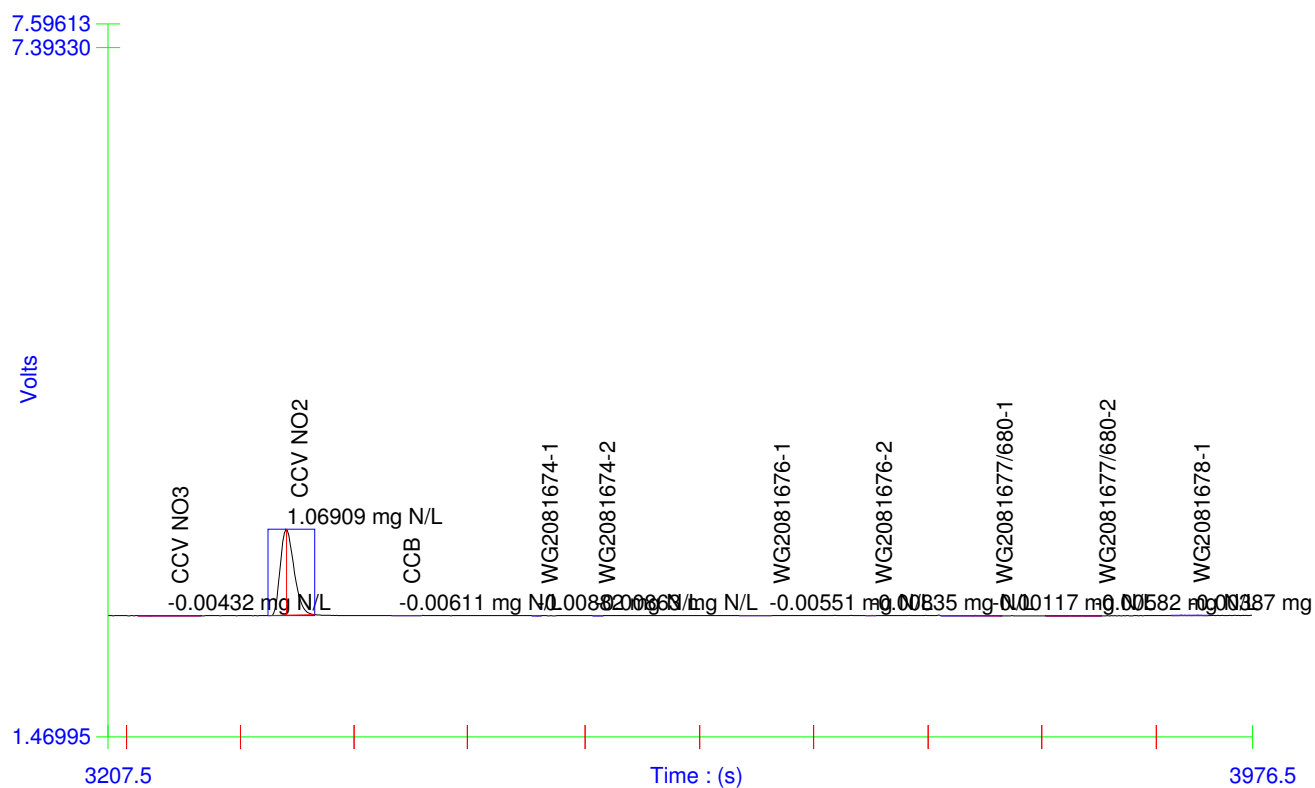
Channel 2 (NO2) - Set: 3 / 16



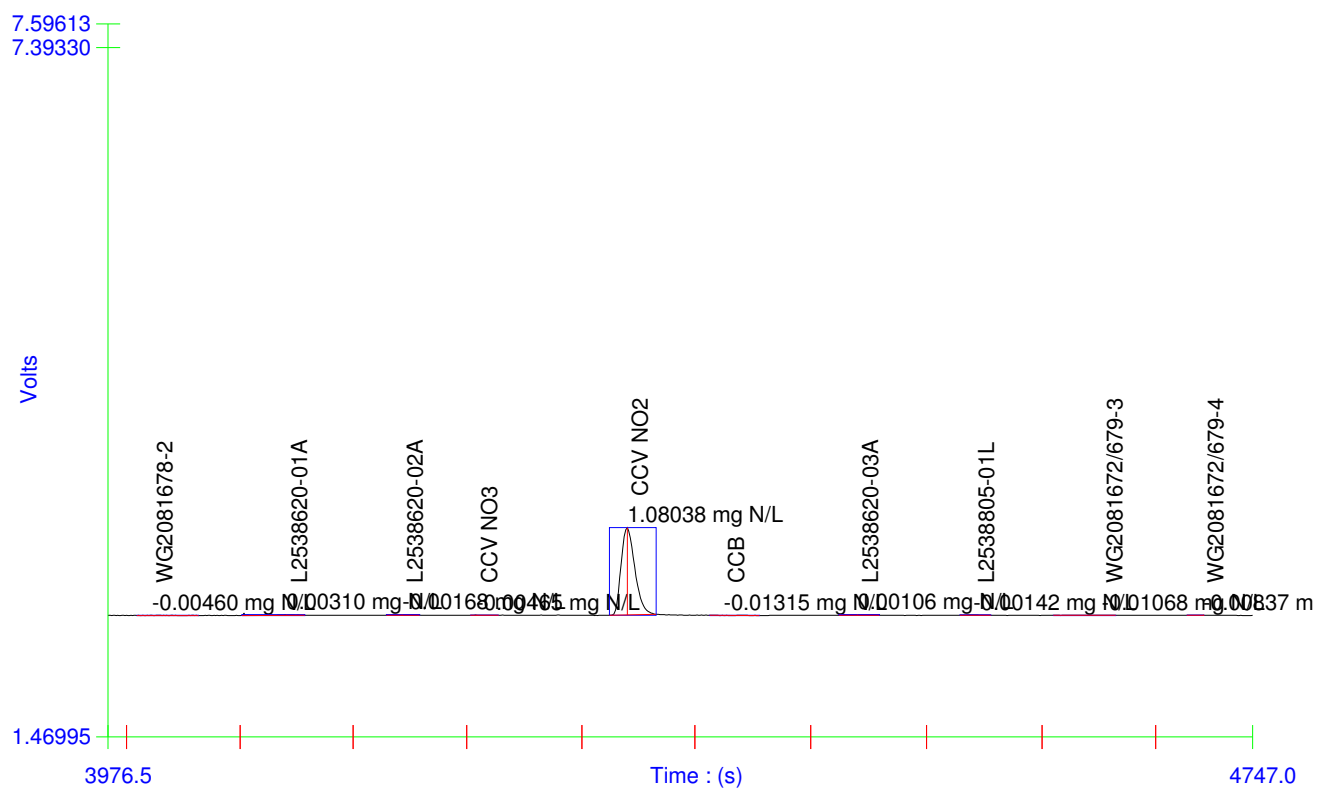
Channel 2 (NO2) - Set: 4 / 16



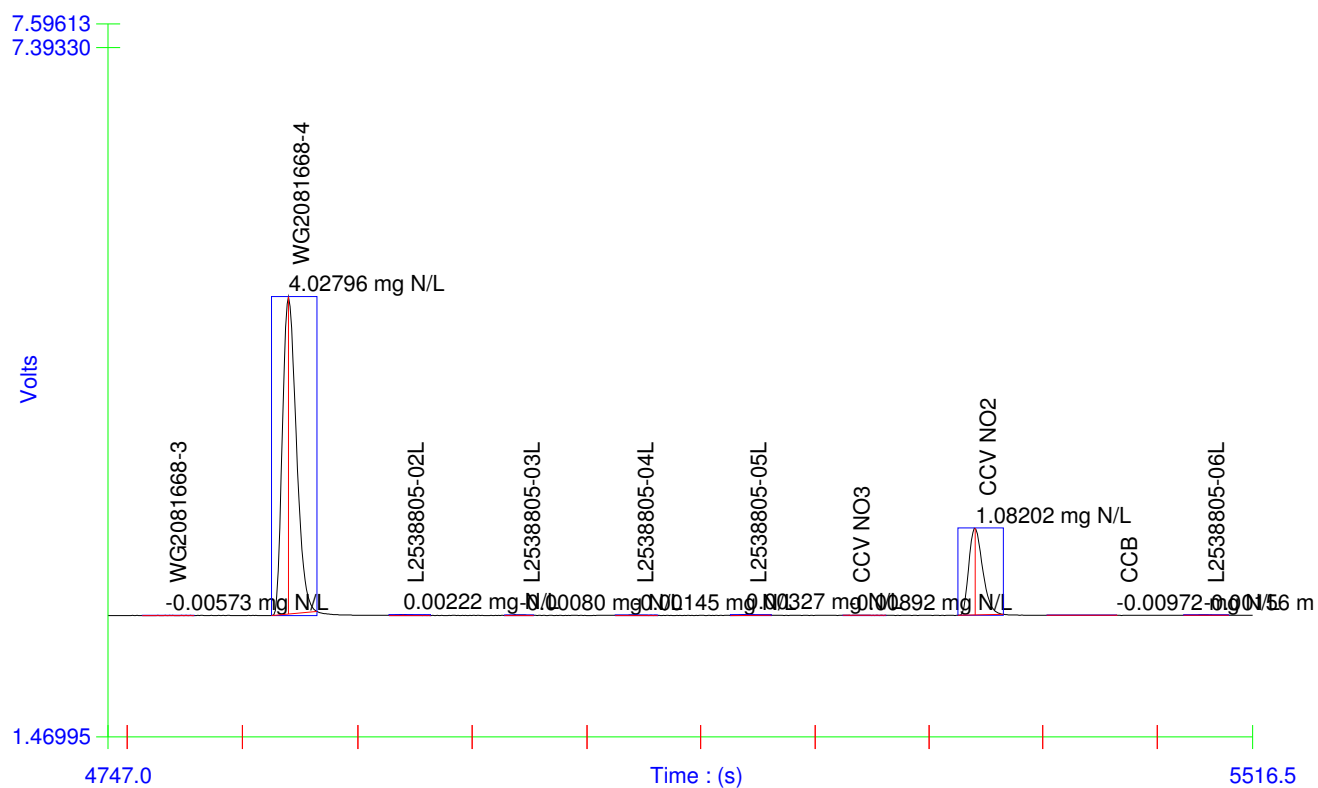
Channel 2 (NO2) - Set: 5 / 16



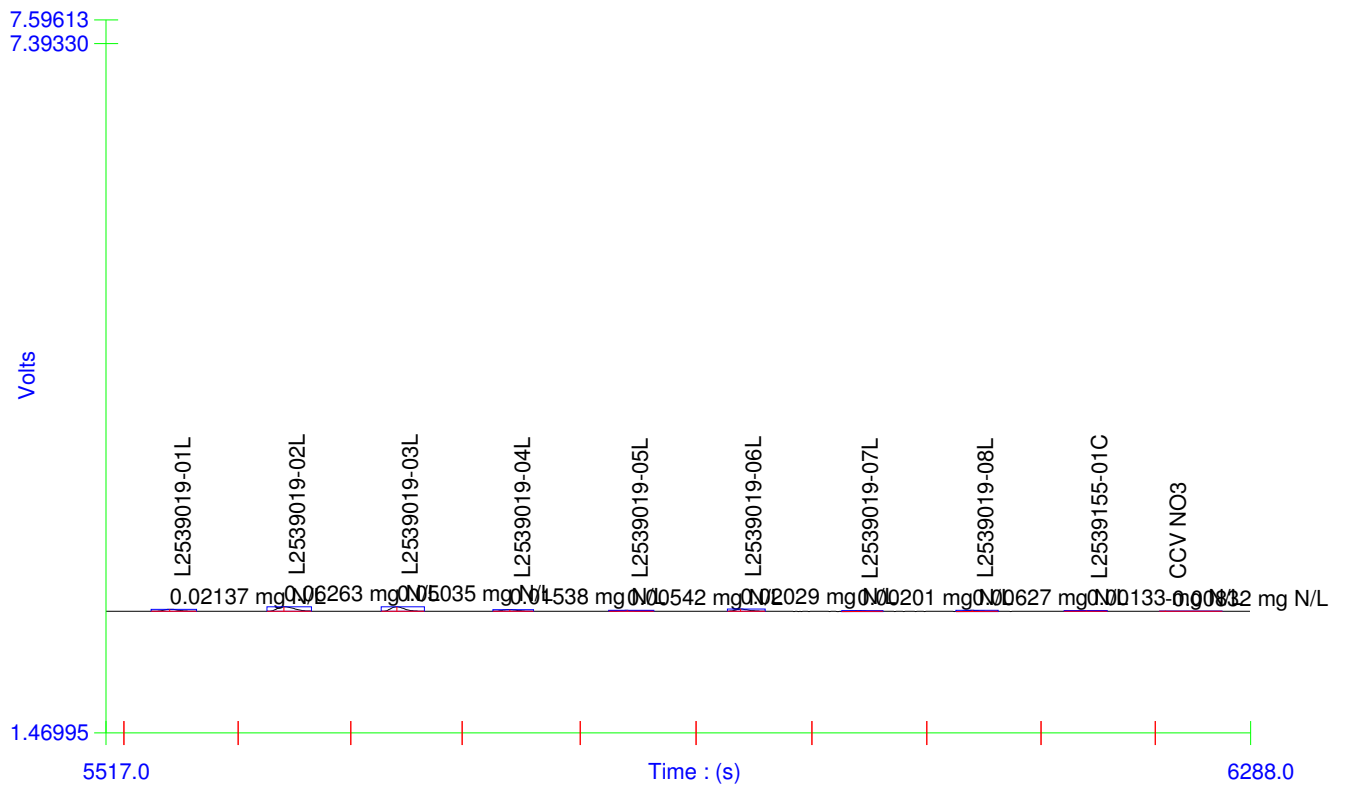
Channel 2 (NO2) - Set: 6 / 16



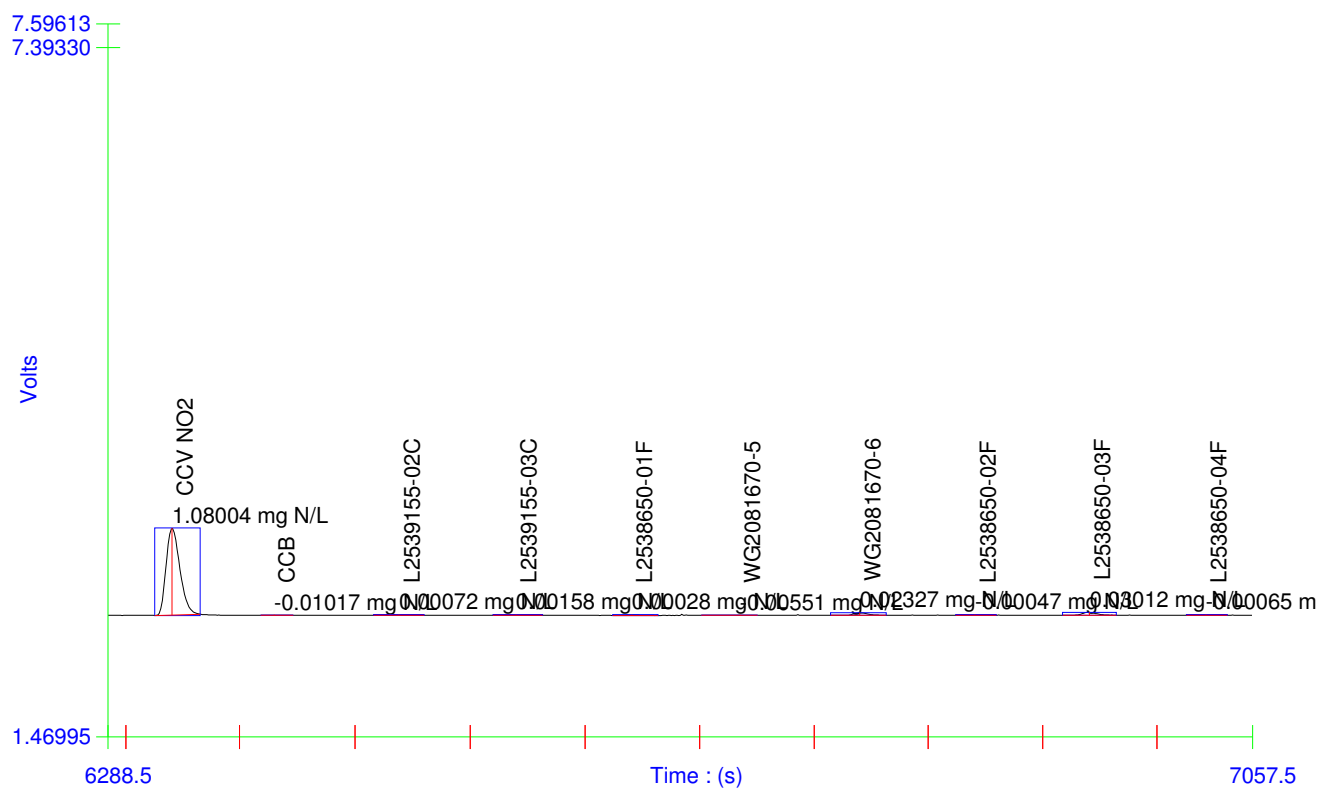
Channel 2 (NO2) - Set: 7 / 16



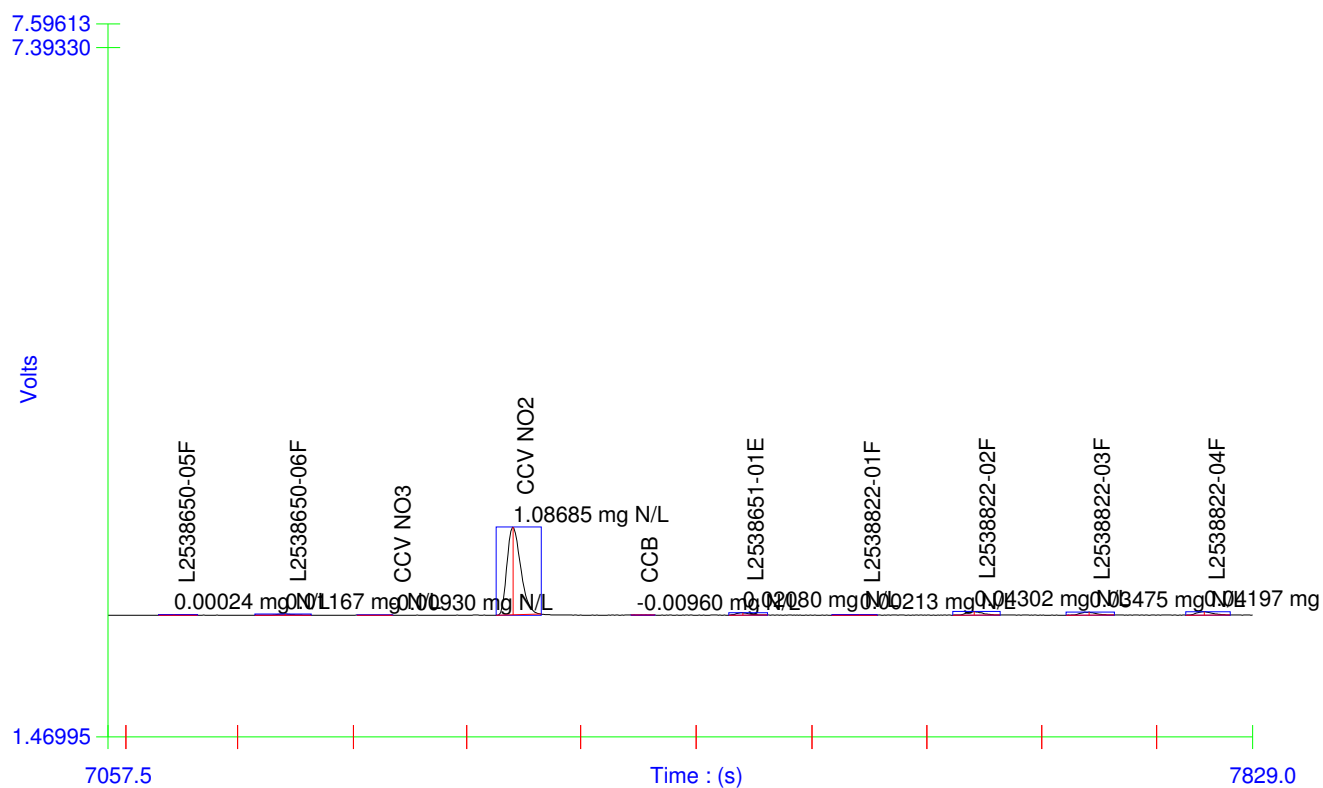
Channel 2 (NO2) - Set: 8 / 16



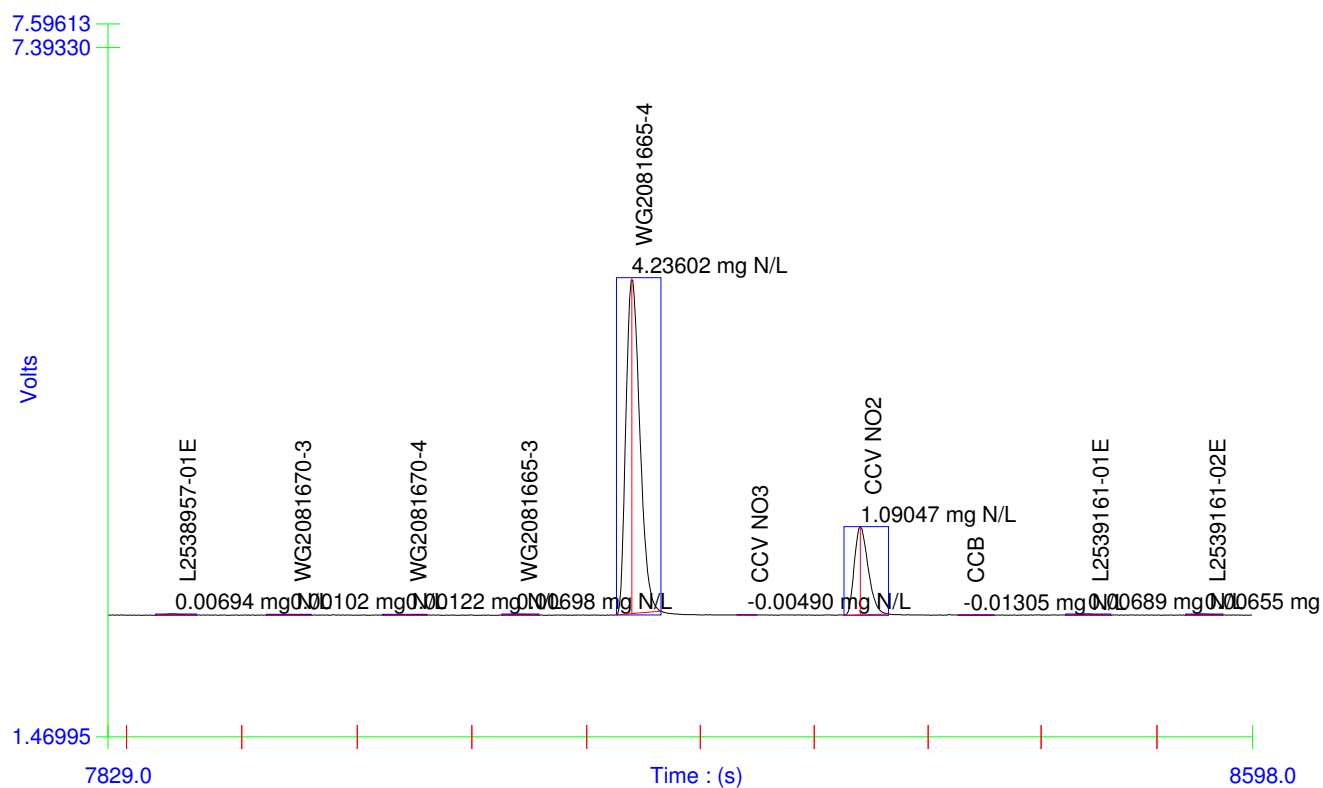
Channel 2 (NO2) - Set: 9 / 16



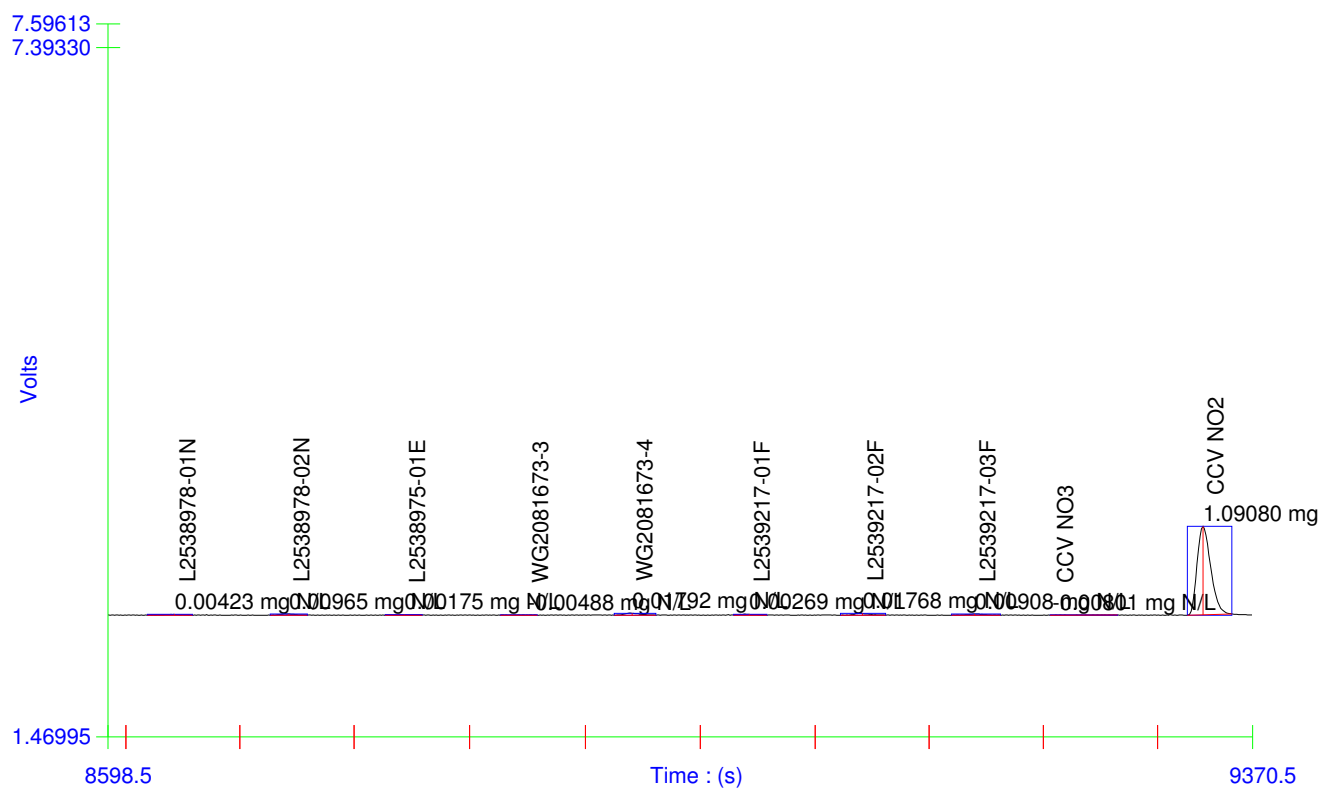
Channel 2 (NO2) - Set: 10 / 16



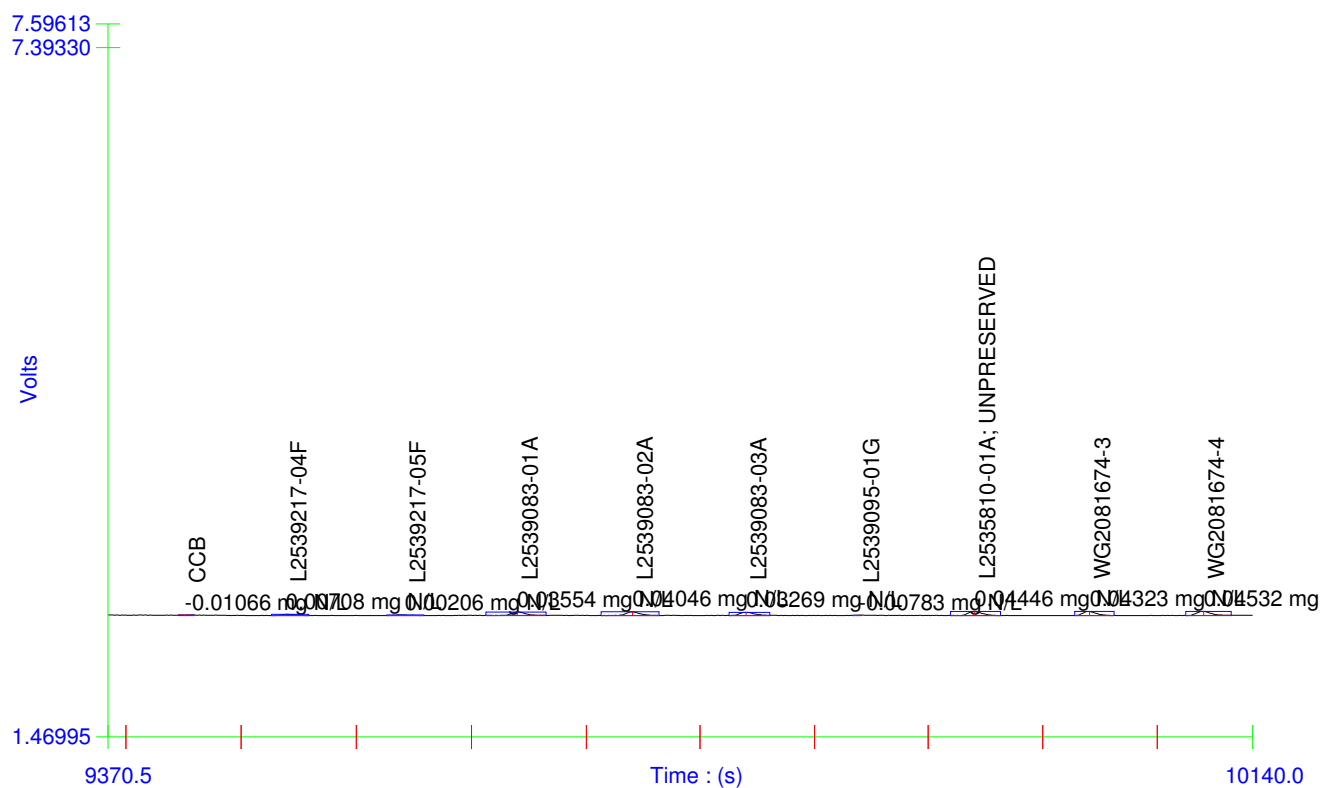
Channel 2 (NO2) - Set: 11 / 16



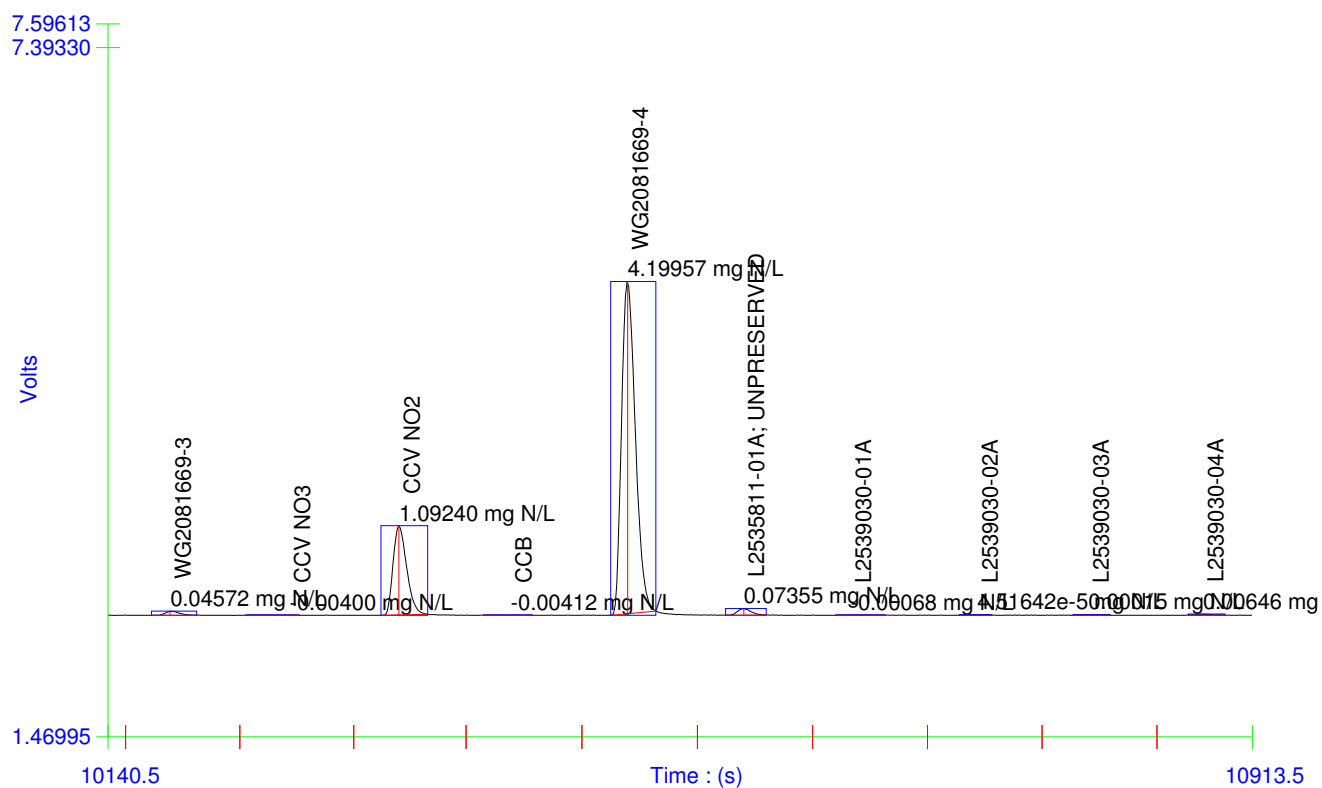
Channel 2 (NO2) - Set: 12 / 16



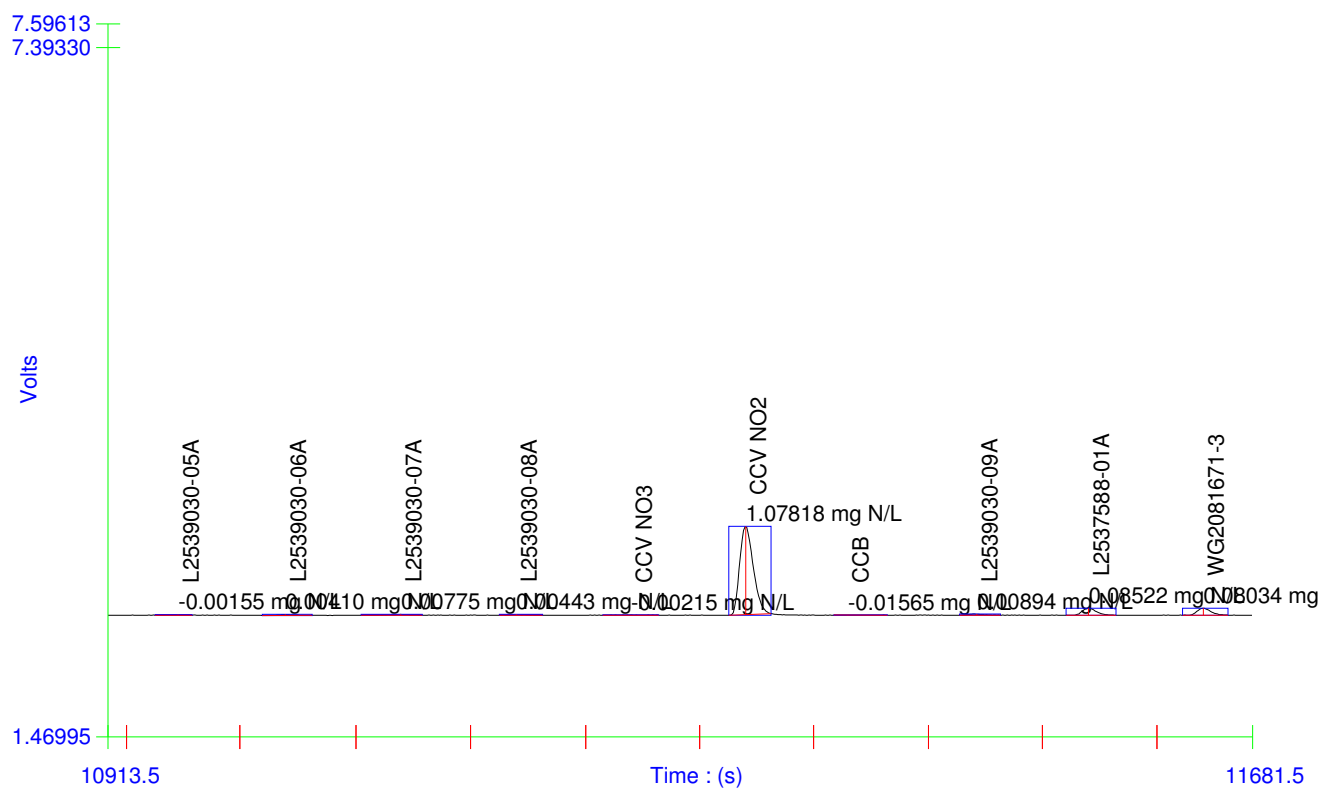
Channel 2 (NO2) - Set: 13 / 16



Channel 2 (NO2) - Set: 14 / 16



Channel 2 (NO2) - Set: 15 / 16



Channel 2 (NO2) - Set: 16 / 16

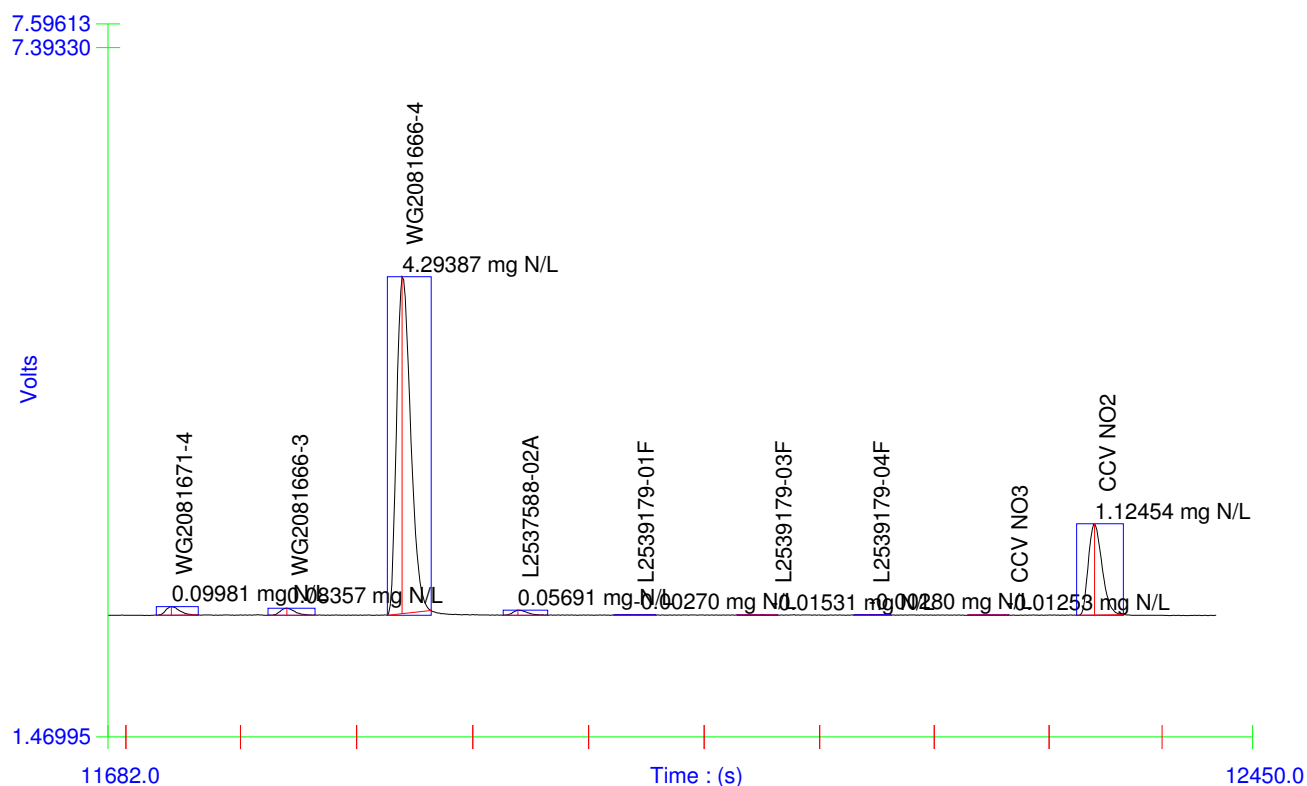


Table : 1 (NO3+NO2)

	Known Conc. (mg/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg/L)	Detection Date	Detection Time
1	8.00000	1	17.22629	1.74736	0.0	2.0	7.83464	6/21/2025	4:17:04 AM
2	4.00000	1	8.99806	0.92491	0.0	-2.3	4.08900	6/21/2025	4:18:21 AM
3	1.00000	1	2.25483	0.23383	0.0	-2.0	1.01935	6/21/2025	4:19:39 AM
4	0.40000	1	0.98126	0.09900	0.0	-9.8	0.43959	6/21/2025	4:20:57 AM
5	0.20000	1	0.47302	0.04732	0.0	-4.0	0.20823	6/21/2025	4:22:16 AM
6	0.10000	1	0.22932	0.02459	0.0	2.6	0.09729	6/21/2025	4:23:34 AM
7	0.00000	1	-0.01385	-0.00168			-0.01340	6/21/2025	4:24:51 AM

Figure : 1 (NO3+NO2)

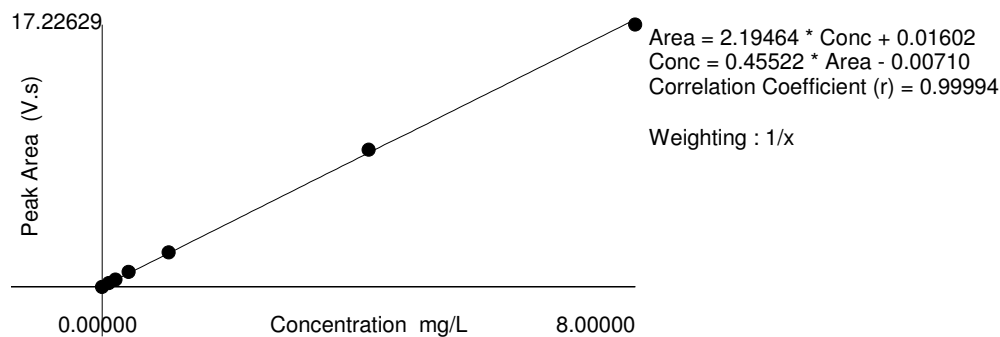
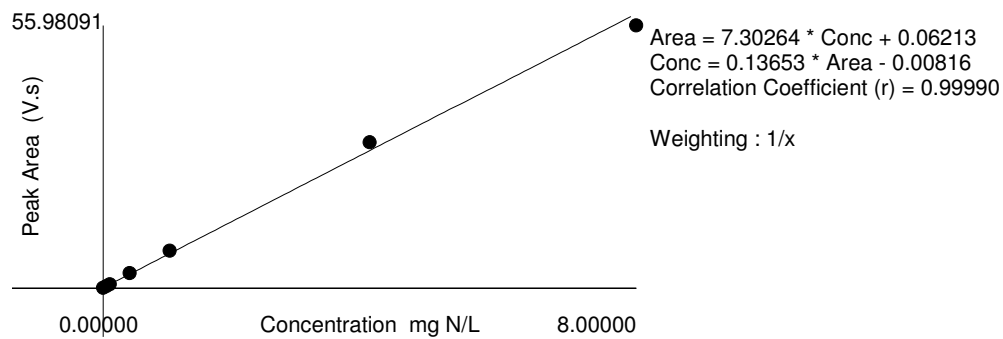


Table : 2 (Nitrite)

	Known Conc. (mg N/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg N/L)	Detection Date	Detection Time
1	8.00000	1	55.98091	4.85871	0.0	4.3	7.63515	6/21/2025	4:26:08 AM
2	4.00000	1	31.03817	2.88521	0.0	-6.0	4.22962	6/21/2025	4:27:25 AM
3	1.00000	1	7.96857	0.74848	0.0	-8.2	1.07983	6/21/2025	4:28:42 AM
4	0.40000	1	3.14592	0.29433	0.0	-5.5	0.42137	6/21/2025	4:30:00 AM
5	0.10000	1	0.79328	0.07271	0.0	-0.1	0.10015	6/21/2025	4:31:18 AM
6	0.05000	1	0.39665	0.03725	0.0	7.2	0.04600	6/21/2025	4:32:37 AM
7	0.00000	1	0.03534	0.00277			-0.00333	6/21/2025	4:33:53 AM

Figure : 2 (Nitrite)



Original Run Filename: OM_6-21-2025_07-51-18AM.OMN Created: 6/21/2025 7:51:18 AM

Original Run Author's Signature: [A1wetcheminstrument]

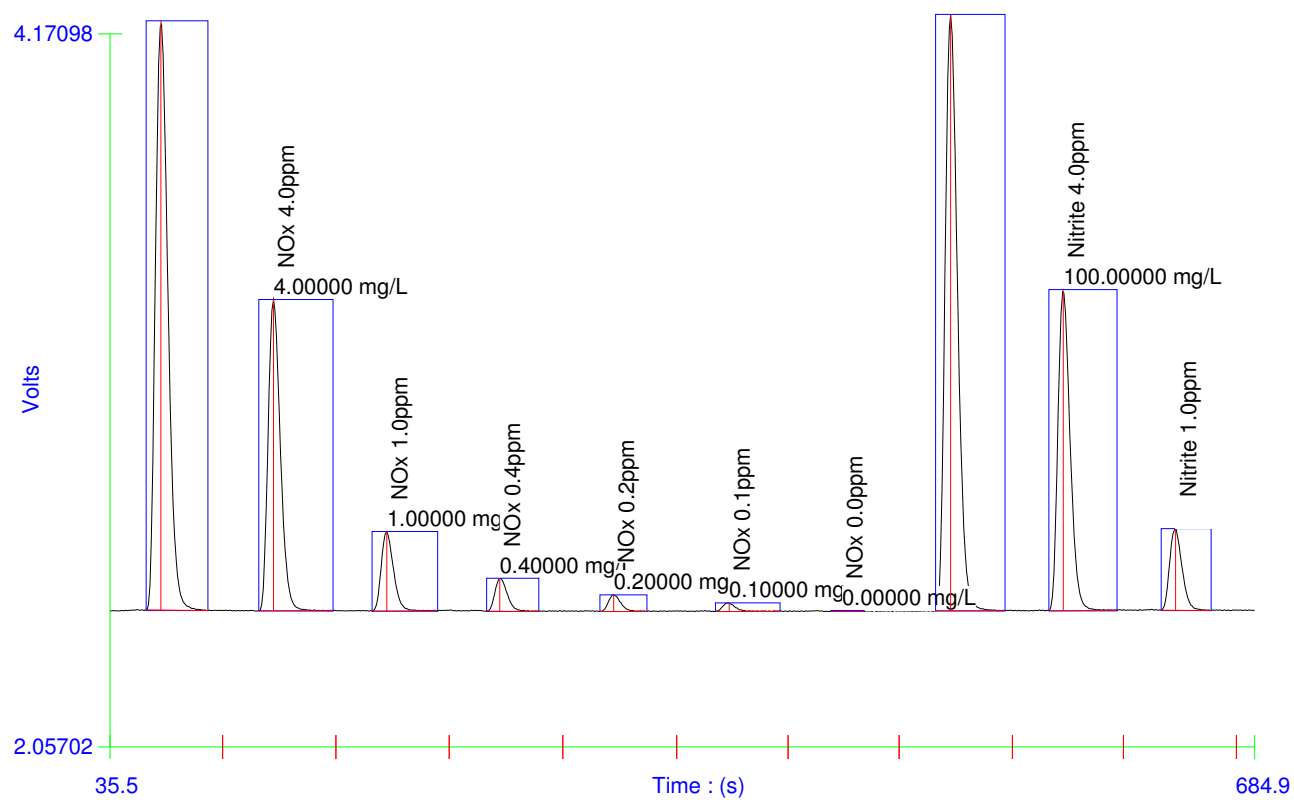
Current Run Filename: OM_6-21-2025_07-51-18AM.OMN Last Modified: 6/21/2025 9:48:53 AM

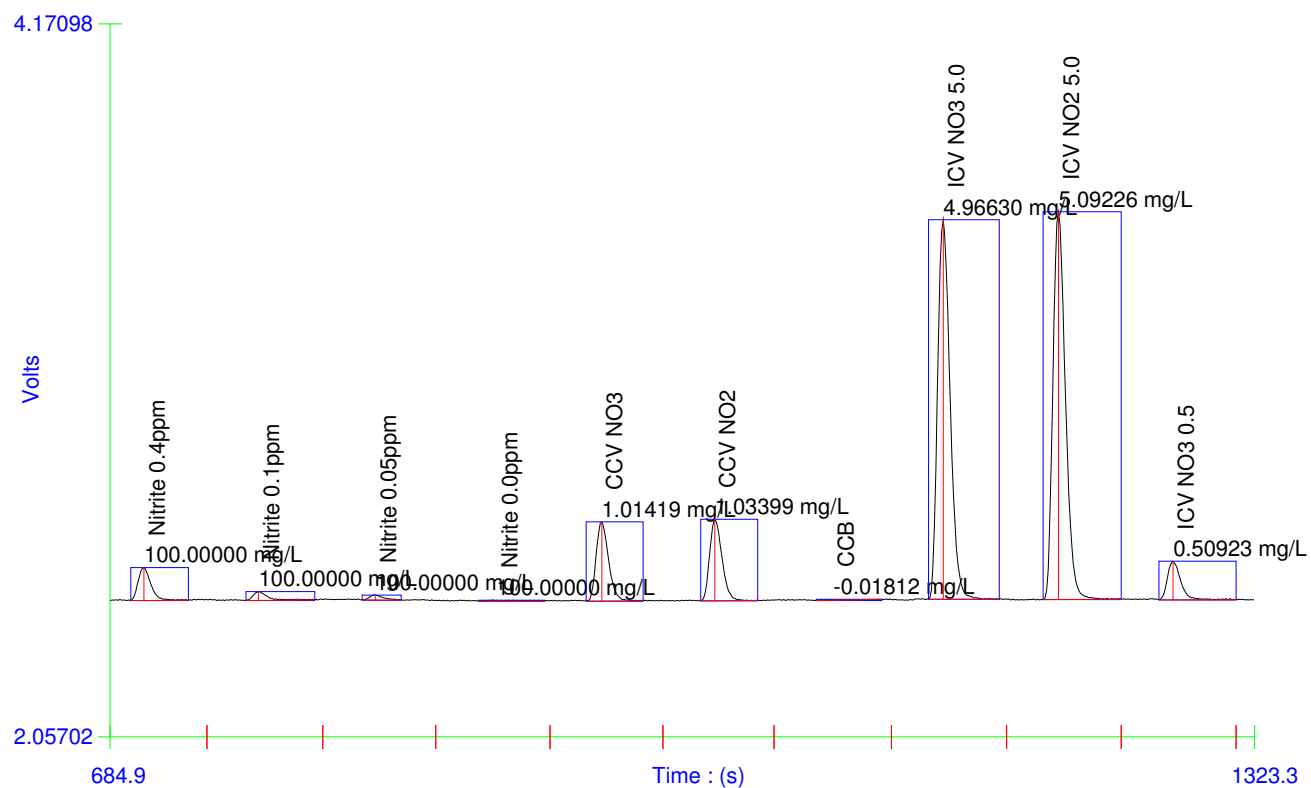
Current Run Author's Signature: [A1wetcheminstrument]

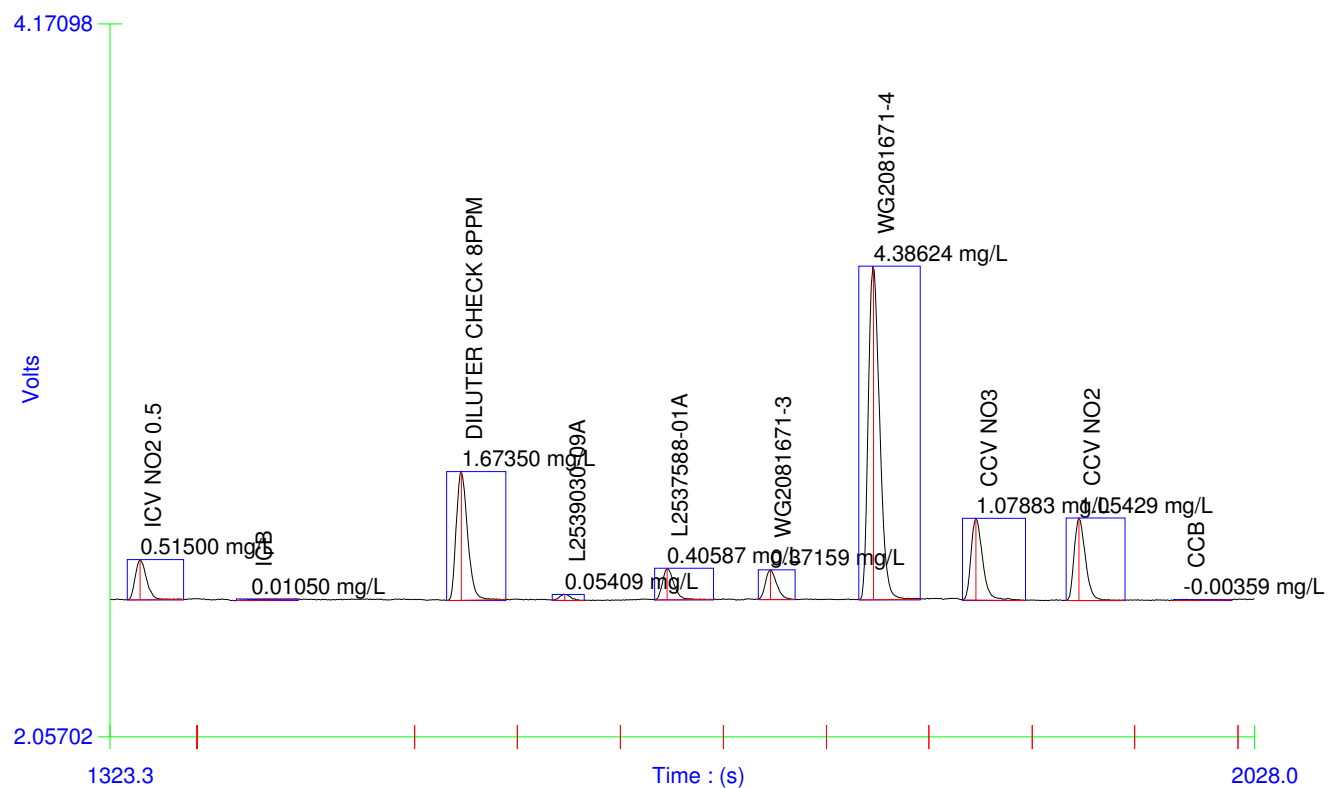
Description: Default New Run

Sample	Rep.	Cup No.	Channel 1	Channel 2	ADF	MDF	Weight
			NO3+NO2 (mg/L)	Nitrite (mg N/L)			
NOx 8.0ppm	1	S3	8.00000	100.00000			
NOx 4.0ppm	1	S4	4.00000	100.00000			
NOx 1.0ppm	1	S2	1.00000	100.00000			
NOx 0.4ppm	1	S5	0.40000	100.00000			
NOx 0.2ppm	1	S6	0.20000	100.00000			
NOx 0.1ppm	1	S7	0.10000	100.00000			
NOx 0.0ppm	1	S1	0.00000	100.00000			
Nitrite 8.0ppm	1	S10	100.00000	8.00000			
Nitrite 4.0ppm	1	S11	100.00000	4.00000			
Nitrite 1.0ppm	1	S9	100.00000	1.00000			
Nitrite 0.4ppm	1	S12	100.00000	0.40000			
Nitrite 0.1ppm	1	S13	100.00000	0.10000			
Nitrite 0.05ppm	1	S14	100.00000	0.05000			
Nitrite 0.0ppm	1	S1	100.00000	0.00000			
CCV NO3	1	S2	1.01419	-0.00039			
Known Conc:			1.00000	0.00000			
Calibration:			Table/Fig. : 1	Table/Fig. : 2			
CCV NO2	1	S9	1.03399	1.07890			
Known Conc:			0.00000	1.00000			
CCB	1	S1	-0.01812	-0.00309			
Known Conc:			0.00000	0.00000			
ICV NO3 5.0	1	1	4.96630	-0.00266			
ICV NO2 5.0	1	2	5.09226	5.16113			
ICV NO3 0.5	1	3	0.50923	-0.00181			
ICV NO2 0.5	1	4	0.51500	0.53178			
ICB	1	5	0.01050	-0.01042			
DILUTER CHECK 8PPM	1	6	8.36750	-0.04215	5.00		
L2539030-09A	1	101	0.05409	0.01364			
L2537588-01A	1	102	0.40587	0.08294			
WG2081671-3	1	103	0.37159	0.08295			
WG2081671-4	1	104	4.38624	0.09830			
CCV NO3	1	S2	1.07883	-0.00749			
Known Conc:			1.00000	0.00000			
CCV NO2	1	S9	1.05429	1.07786			
Known Conc:			0.00000	1.00000			
CCB	1	S1	-0.00359	-0.00777			
Known Conc:			0.00000	0.00000			
WG2081666-3	1	105	0.39405	0.08499			
WG2081666-4	1	106	4.43518	4.19268			
L2537588-02A	1	107	0.85106	0.05596			
L2539179-01F	1	108	0.05208	-0.00557			
L2539179-03F	1	109	2.55695	-0.00114			
L2539179-04F	1	110	0.09535	0.00028			
L2539179-05F	1	111	3.97737	-0.00066			
WG2081674-5	1	112	3.97116	-0.00906			
WG2081674-6	1	113	7.75970	0.03167			
L2539179-06F	1	114	3.85879	0.00152			
CCV NO3	1	S2	1.04278	-0.00591			
Known Conc:			1.00000	0.00000			
CCV NO2	1	S9	1.03652	1.06887			
Known Conc:			0.00000	1.00000			
CCB	1	S1	-0.00119	-0.00945			
Known Conc:			0.00000	0.00000			
L2536422-02A	1	115	10.21195	0.08903			
L2536458-01B	1	116	0.13341	-0.00203			
L2536458-02B	1	117	0.05494	-0.00179			
L2536497-01B	1	118	0.68765	0.00427			
L2536725-01D	1	119	0.11120	0.00242			
L2536725-02D	1	120	0.21141	0.00033			

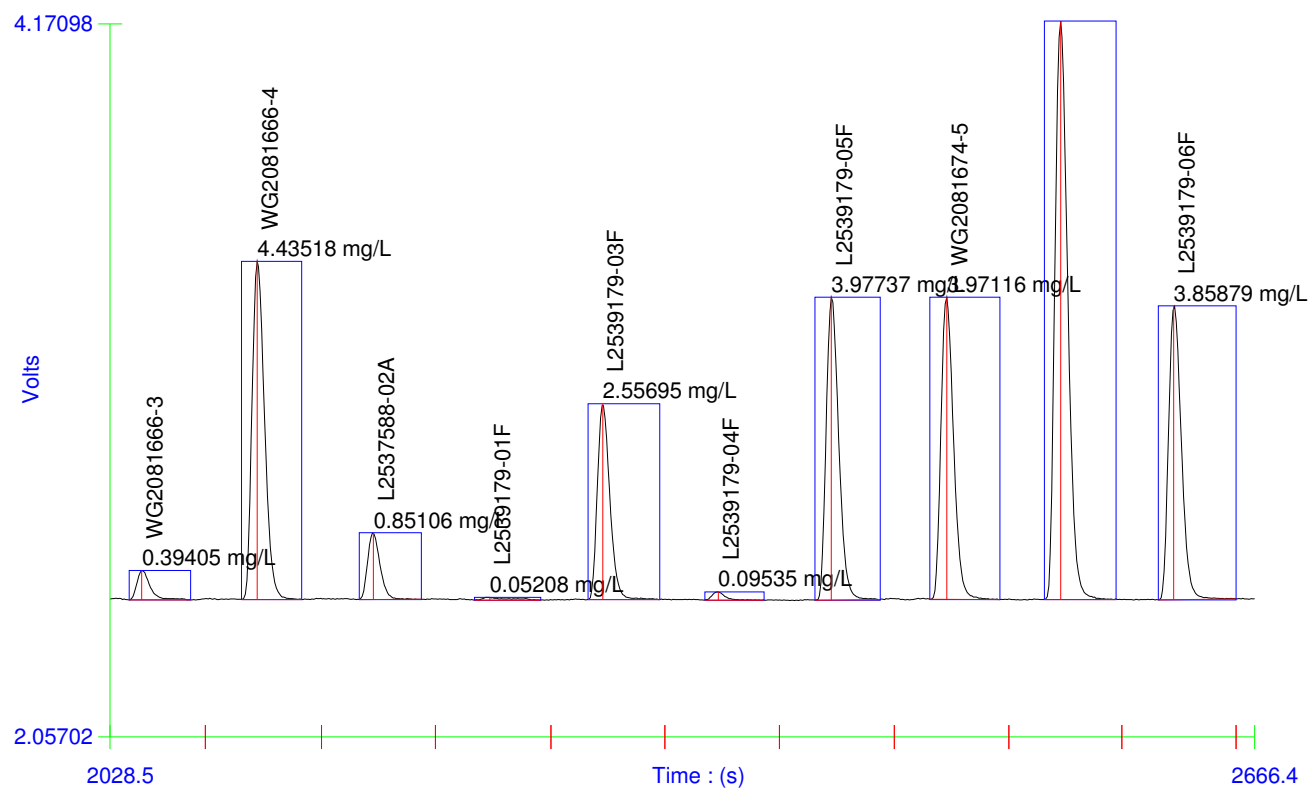
L2536725-03D	1	121	0.07245	-0.00074			
L2536829-01A	1	122	0.45089	0.08039			
L2536829-02B	1	123	1.62133	0.65555			
L2538794-01F	1	124	0.01417	-0.00316			
CCV NO3	1	S2	1.02711	-0.00150			
Known Conc:			1.00000	0.00000			
CCV NO2	1	S9	1.04900	1.07658			
Known Conc:			0.00000	1.00000			
CCB	1	S1	-0.00634	-0.01044			
Known Conc:			0.00000	0.00000			
WG2081676-3	1	125	0.01838	-0.00219			
WG2081676-4	1	126	4.13493	-0.00203			
L2535772-01A	1	127	1.64532	-0.00069			
WG2081677-3	1	128	1.67433	-0.00016			
WG2081677-4	1	129	5.59386	-0.00750			
L2535772-02A	1	130	1.37517	0.00031			
L2536266-01B	1	131	1.04374	0.00673			
L2536266-02B	1	132	0.52716	0.00161			
L2536266-03B	1	133	0.08822	0.00085			
L2536266-04B	1	134	0.47630	0.00343			
CCV NO3	1	S2	1.01206	-0.00476			
Known Conc:			1.00000	0.00000			
CCV NO2	1	S9	1.04085	1.08101			
Known Conc:			0.00000	1.00000			
CCB	1	S1	-0.00966	-0.00099			
Known Conc:			0.00000	0.00000			
L2536266-05B	1	135	0.07636	0.00178			
L2535810-01B	1	136	0.74553	0.00879			
WG2081680-3	1	137	0.77023	0.00969			
L2536422-02A	1	115	11.18654	0.07888	5.00		
WG2081680-4	1	138	4.83675	0.00863			
L2535811-01C	1	139	1.20016	0.04166			
L2539127-01H	1	140	1.68252	0.00973			
L2539127-02H	1	141	3.74382	0.00296			
WG2081676-5	1	142	3.71360	0.00185			
WG2081676-6	1	143	7.41555	0.00064			
CCV NO3	1	S2	1.04116	-0.00244			
Known Conc:			1.00000	0.00000			
CCV NO2	1	S9	1.04917	1.08334			
Known Conc:			0.00000	1.00000			
CCB	1	S1	0.00488	-0.00402			
Known Conc:			0.00000	0.00000			
L2539127-03H	1	144	3.76171	0.00687			
L2536458-01B	1	116	0.14953	-0.00281			
CCV NO3	1	S2	1.01111	-0.00472			
Known Conc:			1.00000	0.00000			
CCV NO2	1	S9	1.02396	1.07889			
Known Conc:			0.00000	1.00000			
CCB	1	S1	-0.03322	-0.01994			
Known Conc:			0.00000	0.00000			

Channel 1 (NO₃+NO₂) - Set: 1 / 9

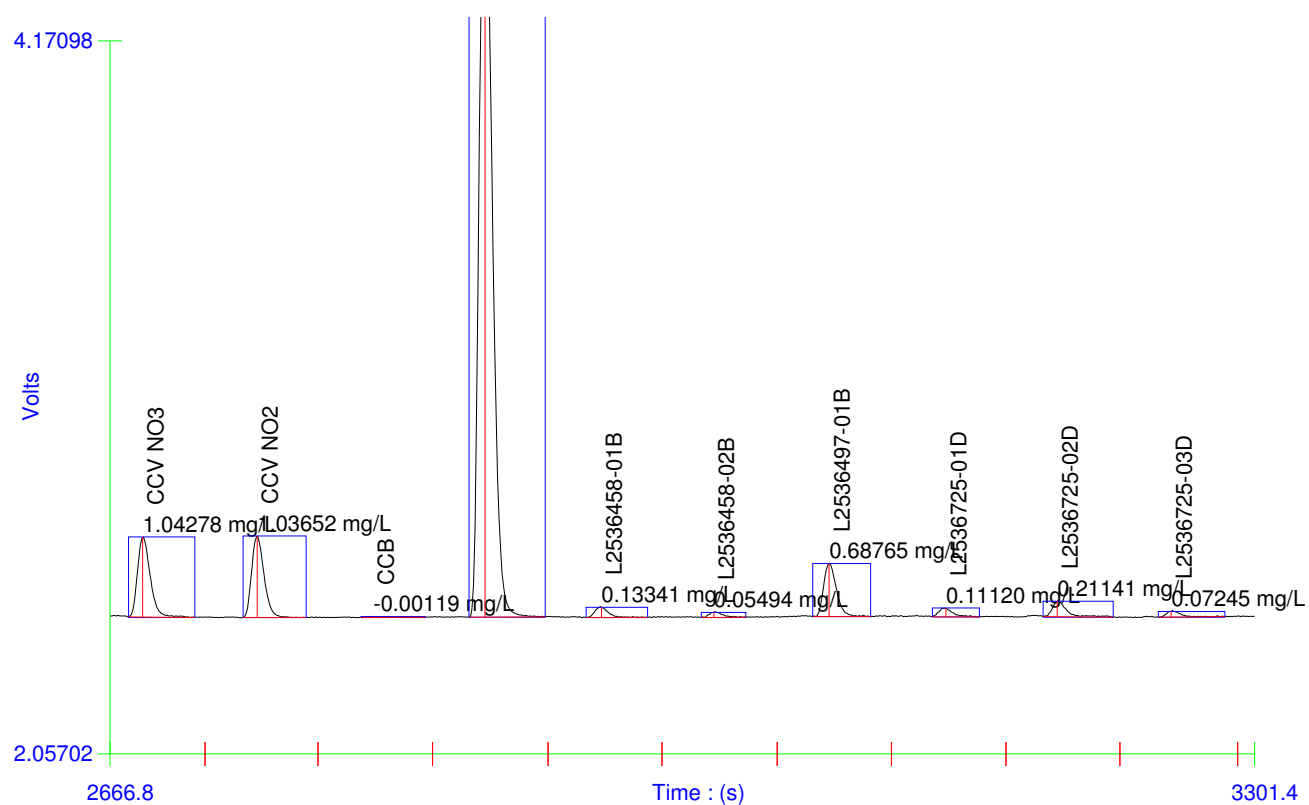
Channel 1 (NO₃+NO₂) - Set: 2 / 9

Channel 1 (NO₃+NO₂) - Set: 3 / 9

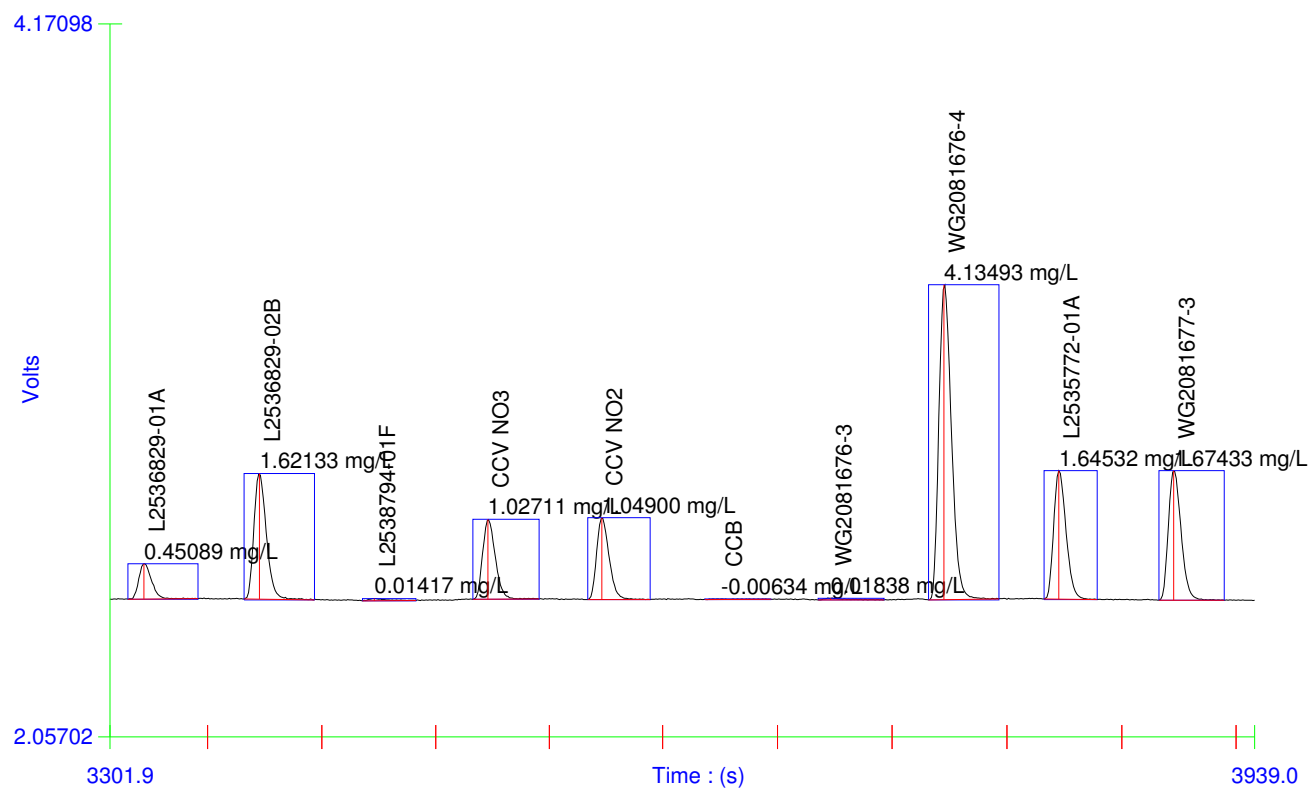
Channel 1 (NO3+NO2) - Set: 4 / 9



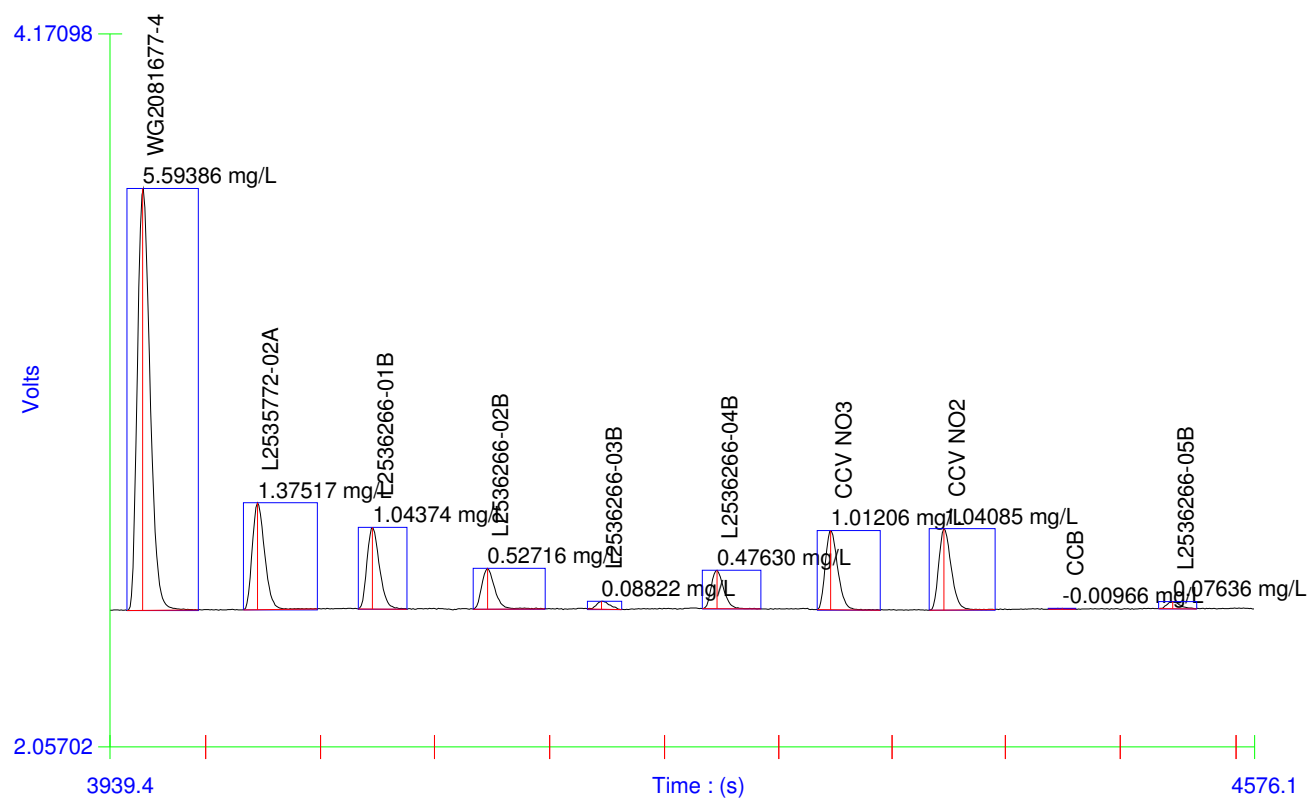
Channel 1 (NO3+NO2) - Set: 5 / 9

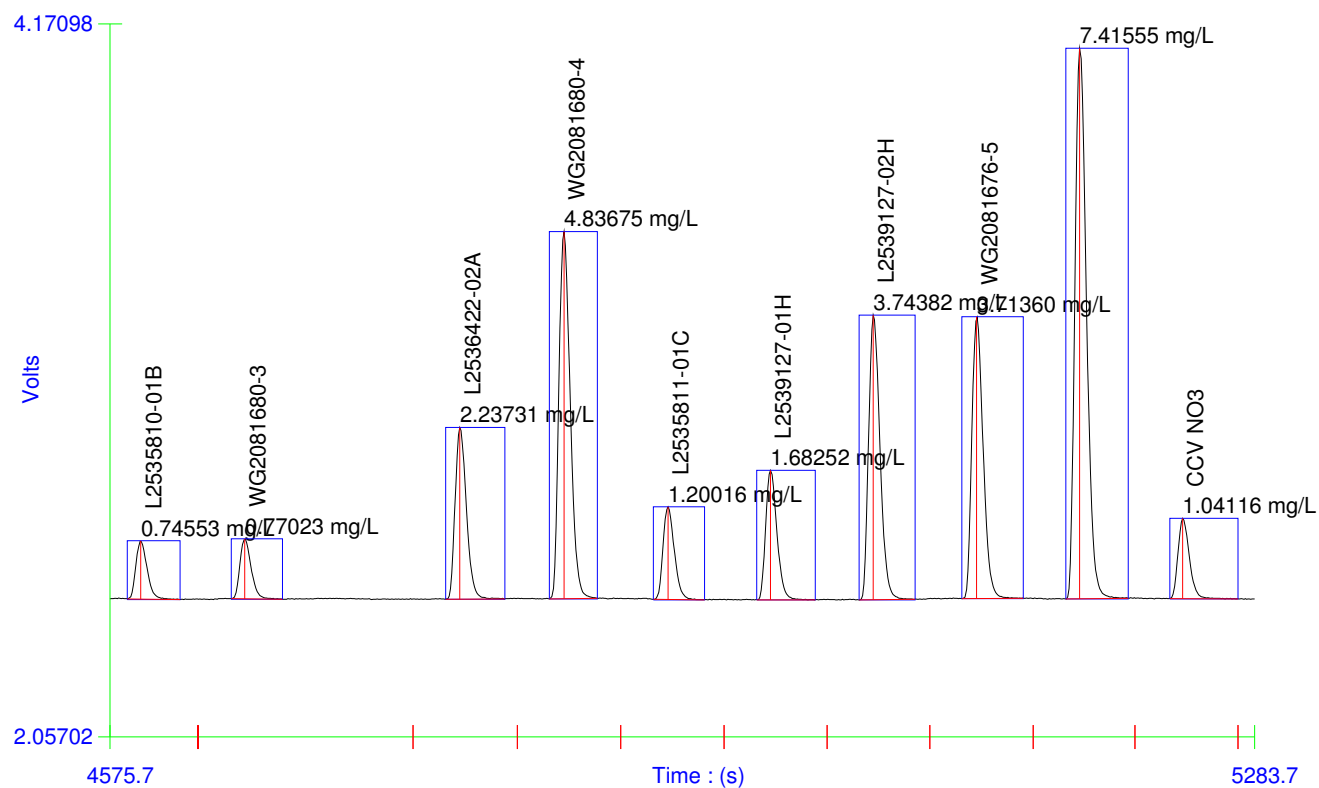


Channel 1 (NO3+NO2) - Set: 6 / 9

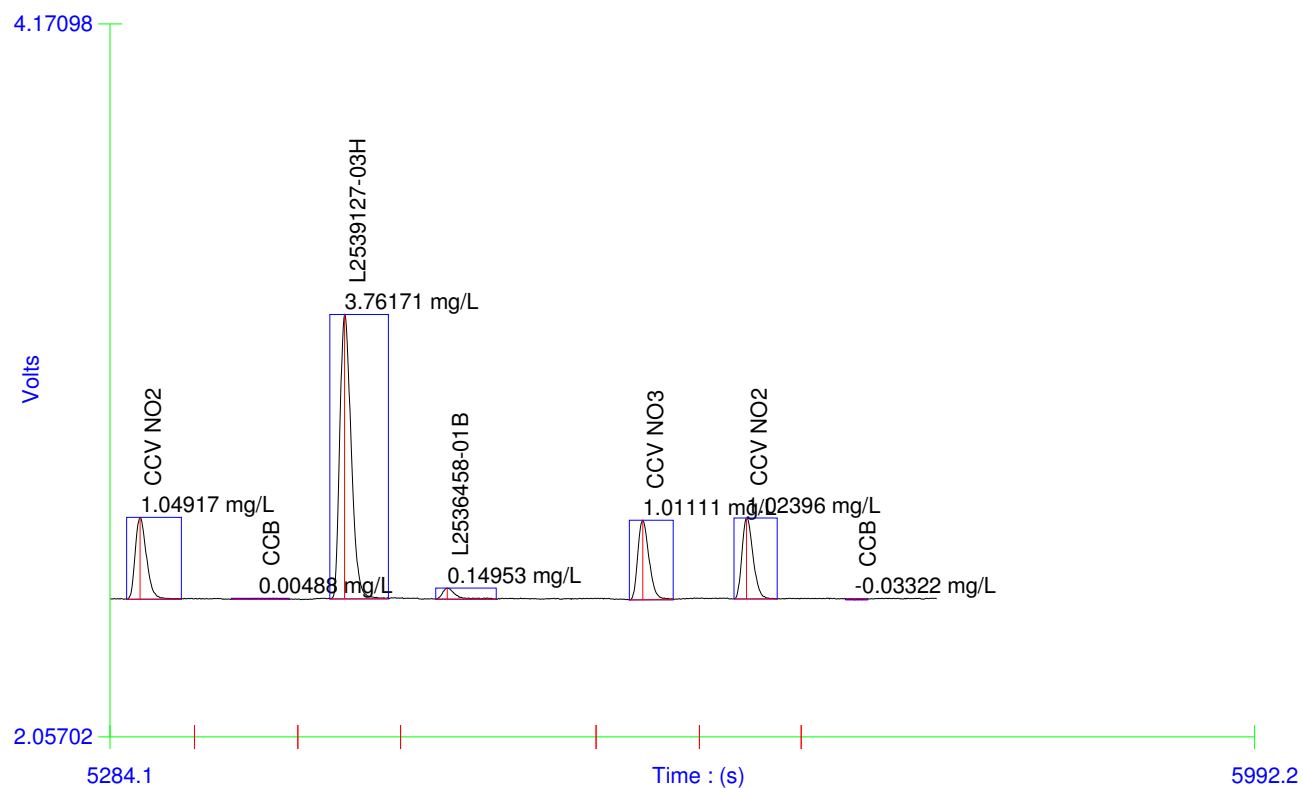


Channel 1 (NO₃+NO₂) - Set: 7 / 9

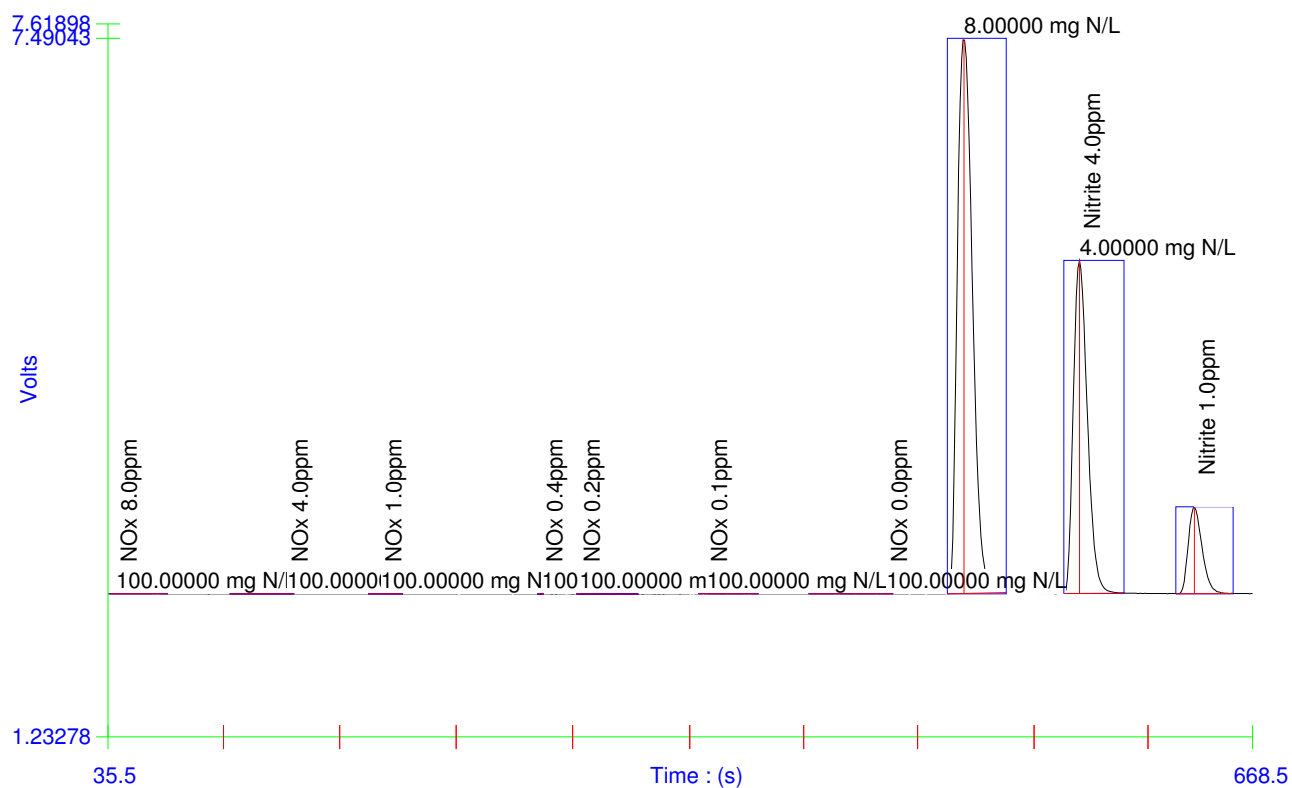


Channel 1 (NO₃+NO₂) - Set: 8 / 9

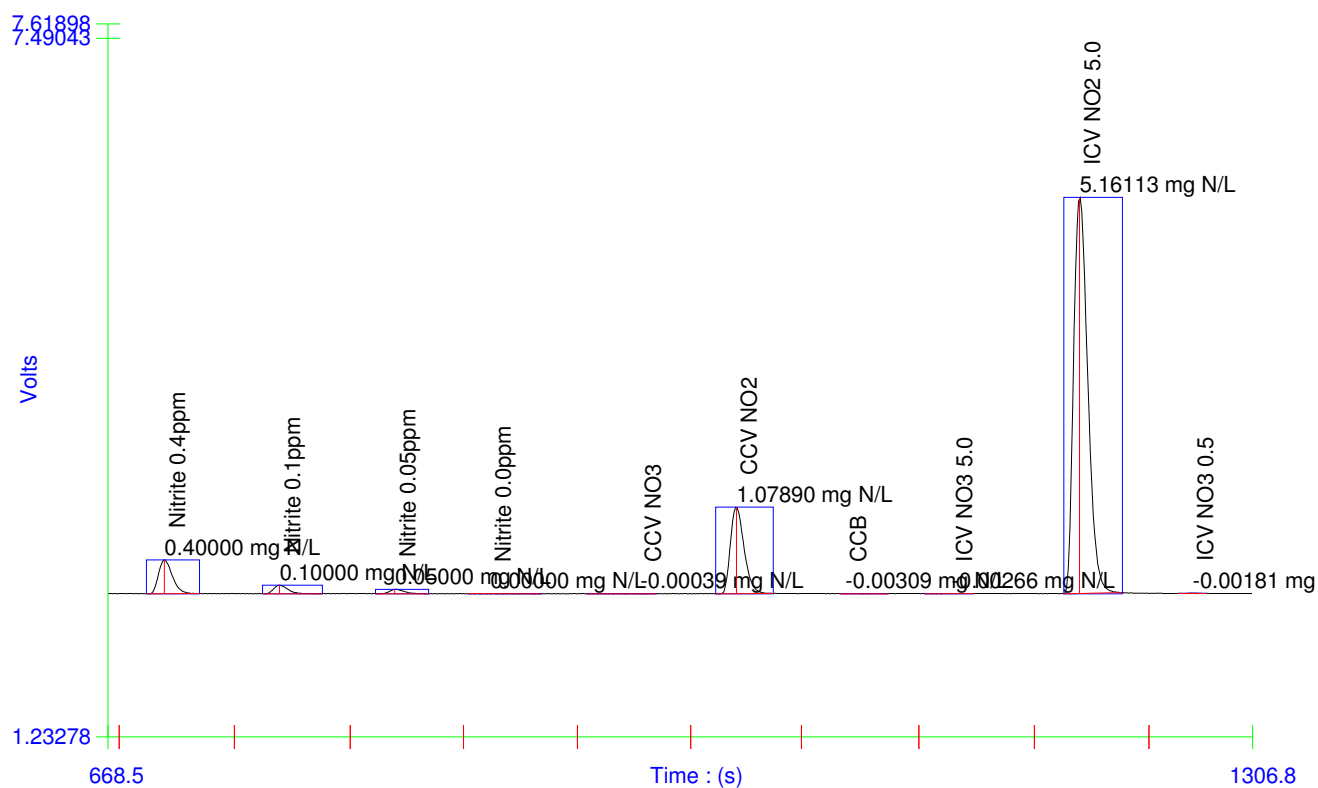
Channel 1 (NO3+NO2) - Set: 9 / 9



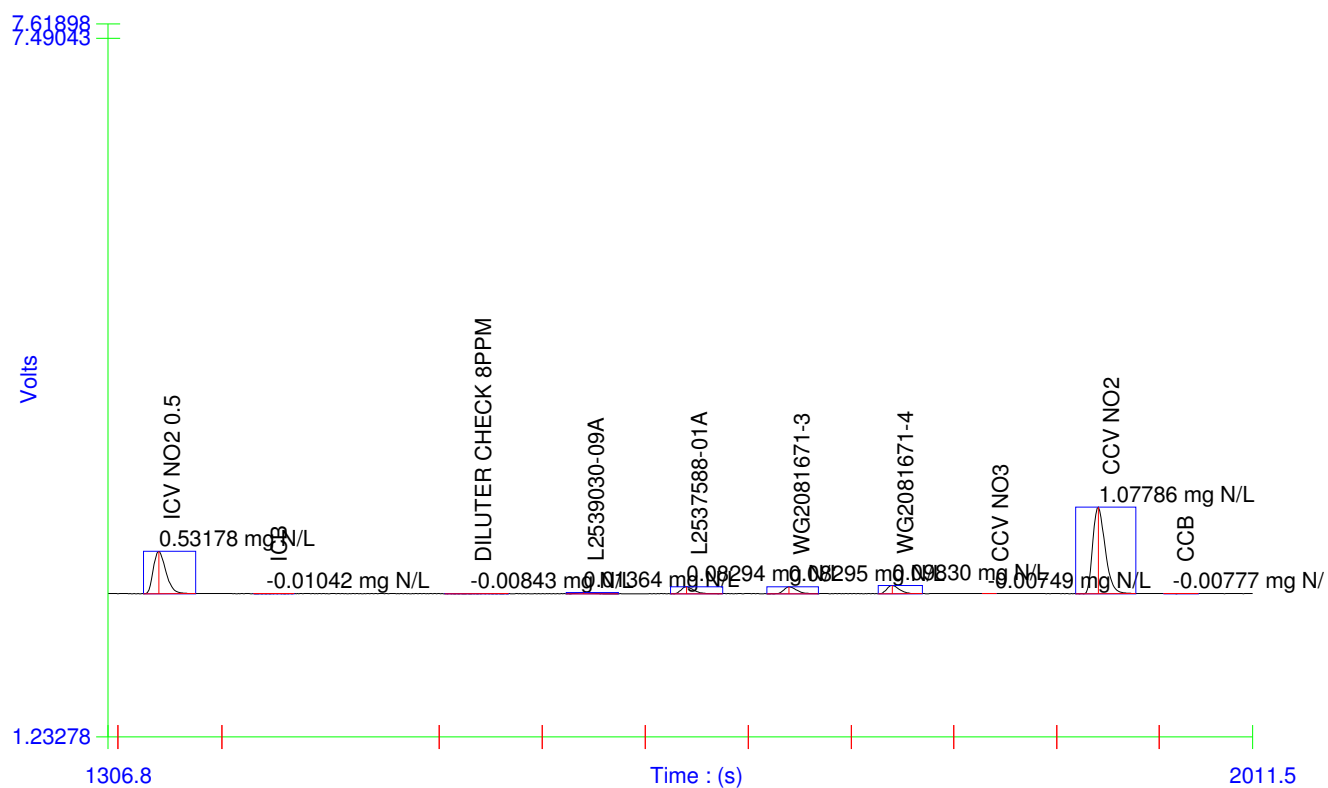
Channel 2 (NO2) - Set: 1 / 9



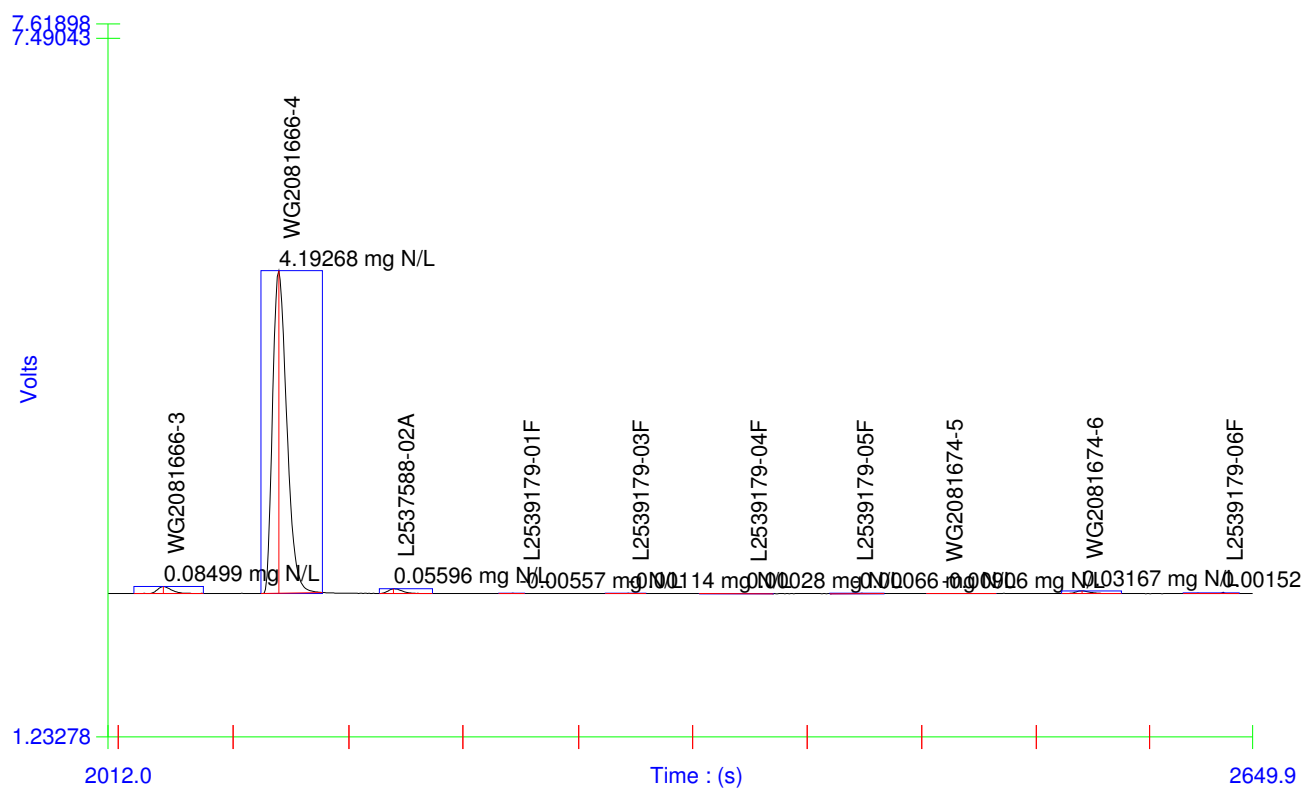
Channel 2 (NO₂) - Set: 2 / 9



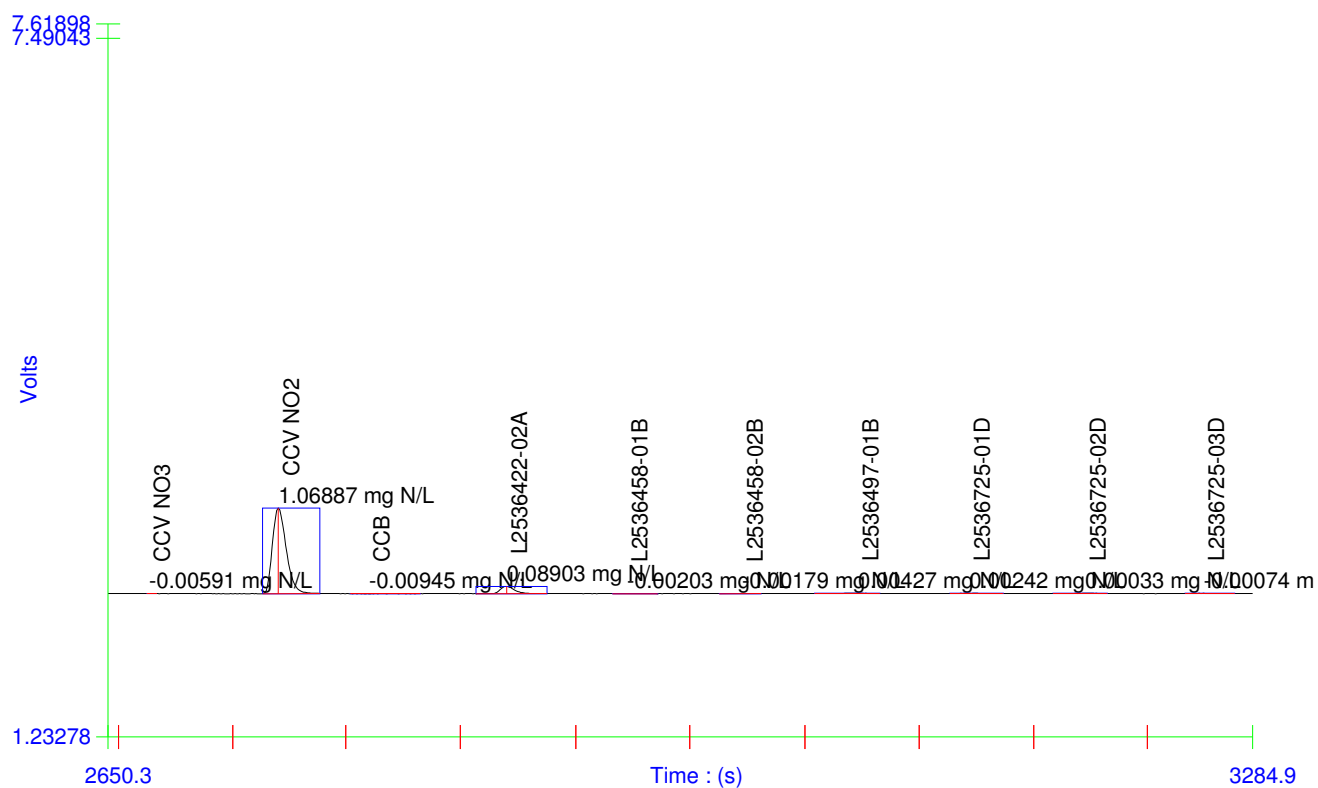
Channel 2 (NO2) - Set: 3 / 9



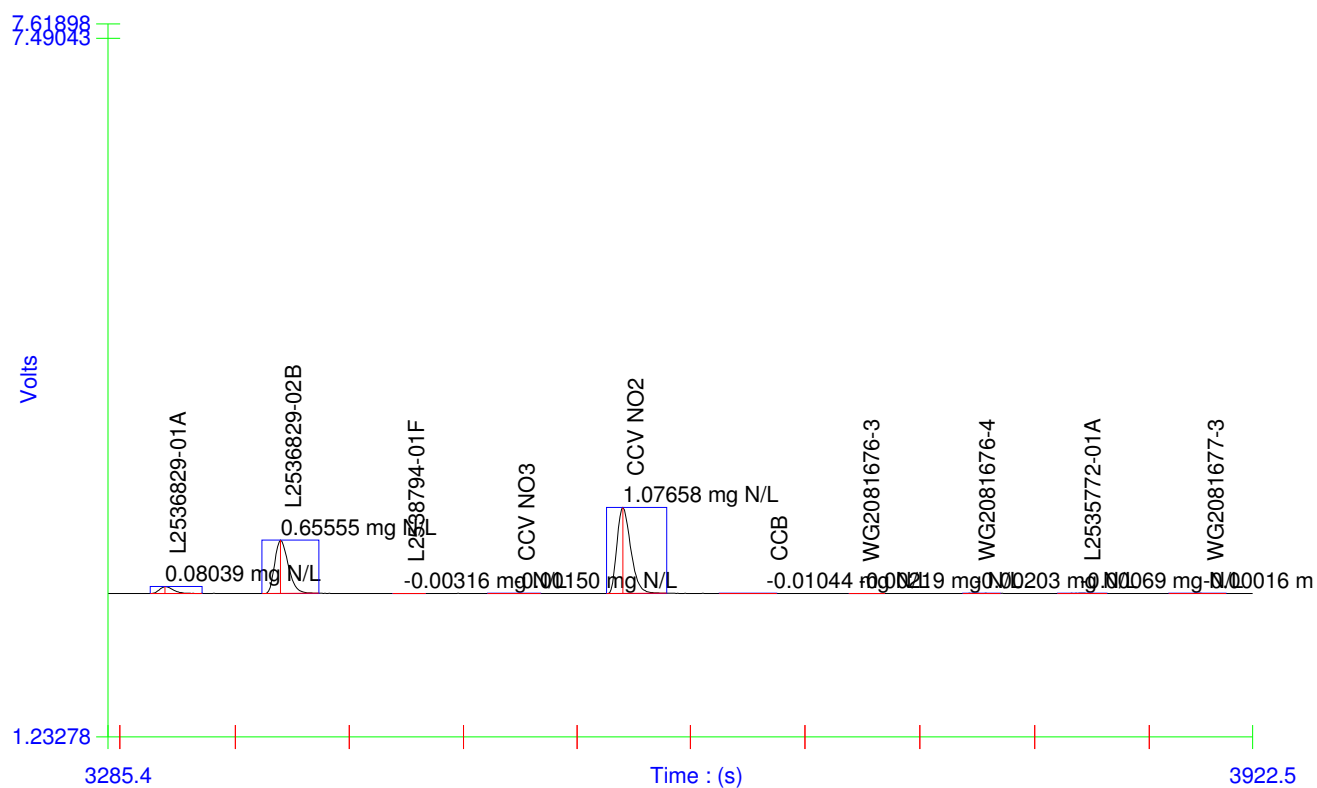
Channel 2 (NO2) - Set: 4 / 9



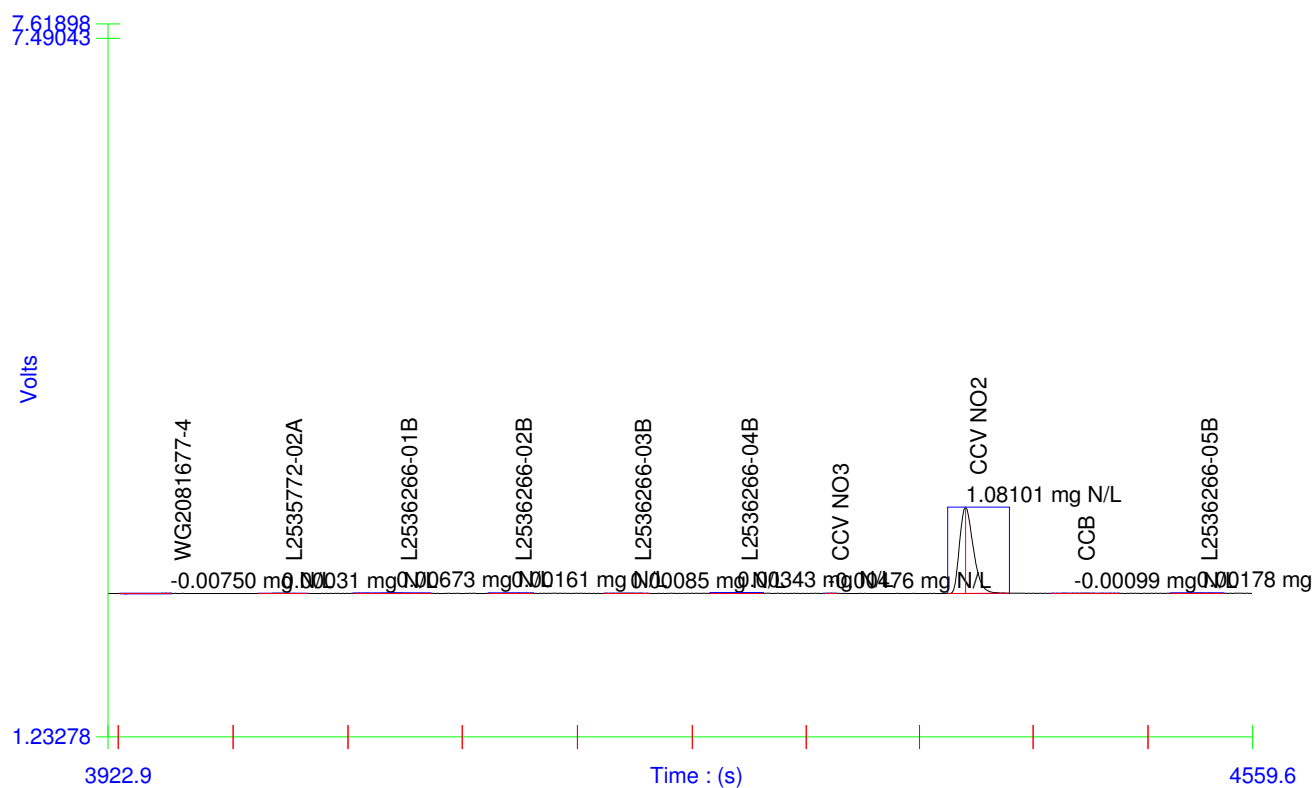
Channel 2 (NO2) - Set: 5 / 9



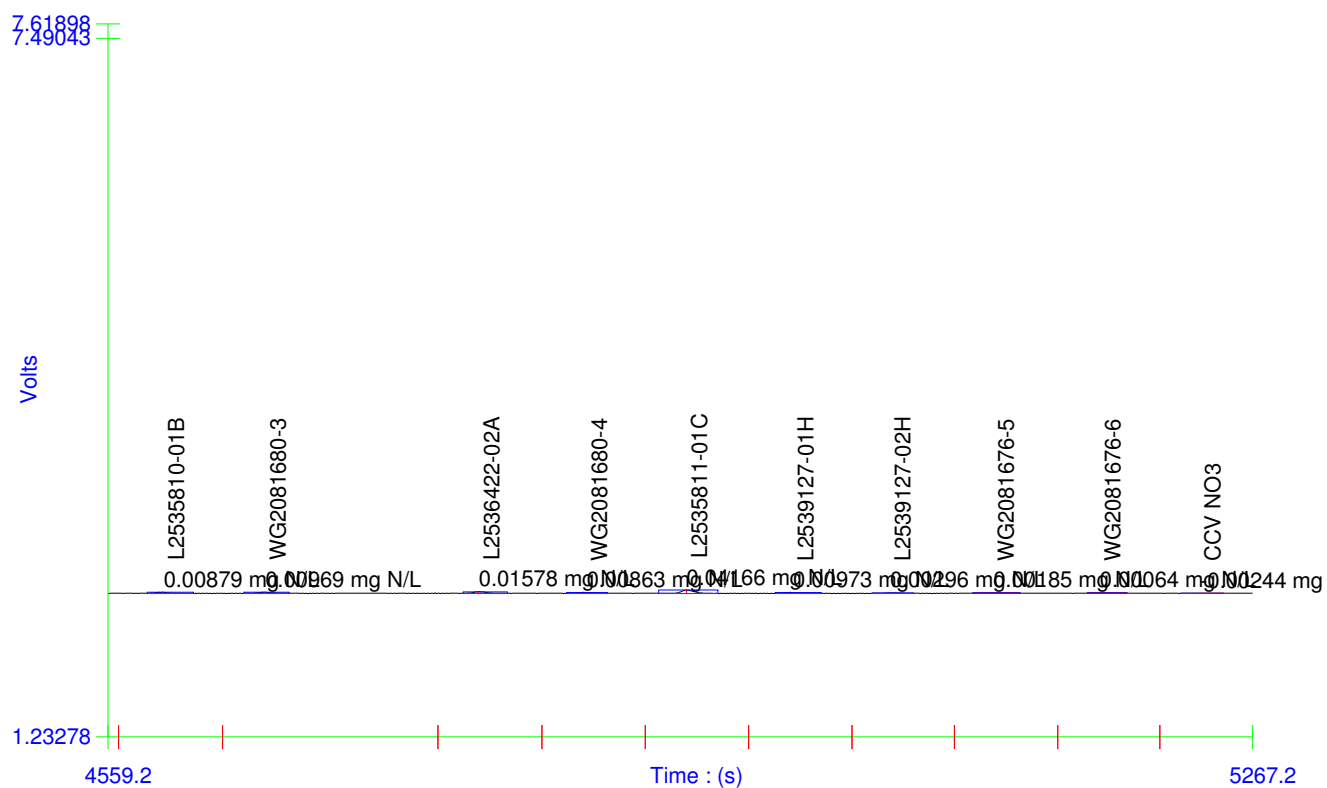
Channel 2 (NO2) - Set: 6 / 9



Channel 2 (NO2) - Set: 7 / 9



Channel 2 (NO2) - Set: 8 / 9



Channel 2 (NO2) - Set: 9 / 9

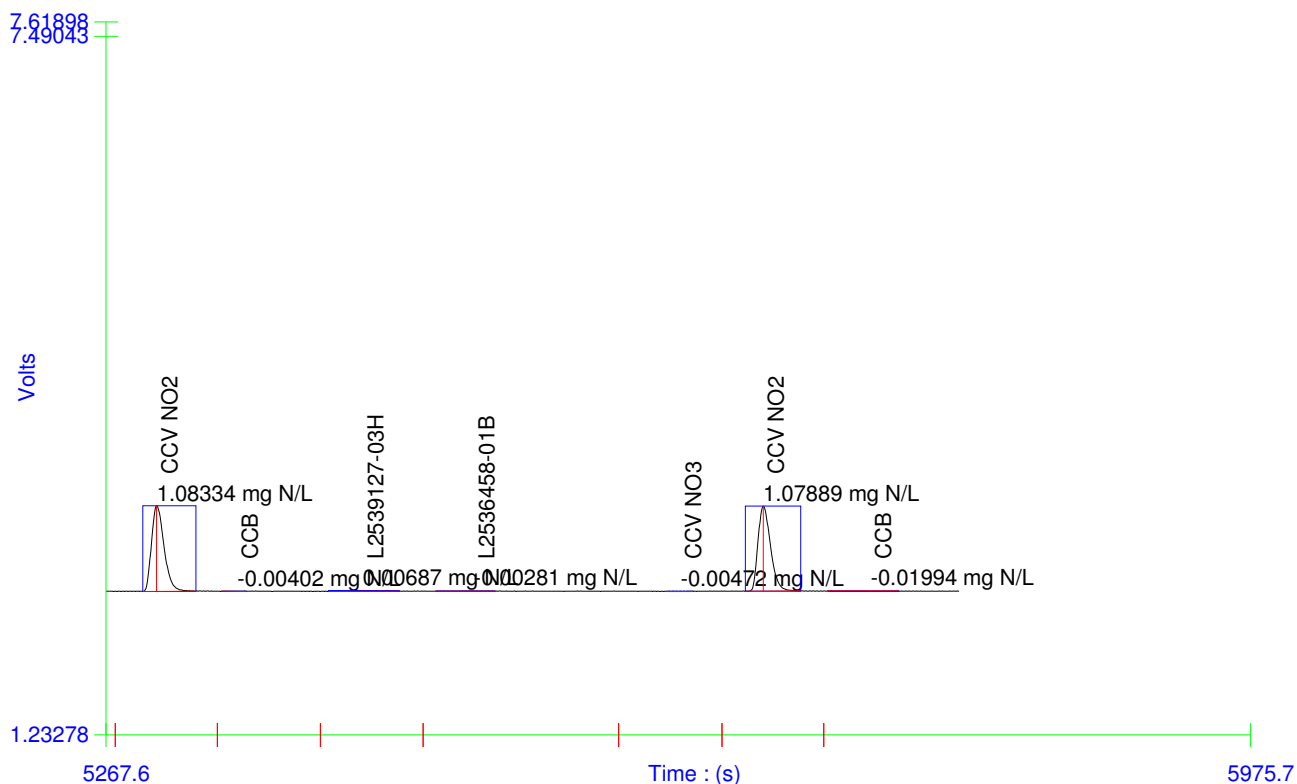


Table : 1 (NO3+NO2)

	Known Conc. (mg/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg/L)	Detection Date	Detection Time
1	8.00000	1	14.37800	1.74700	0.0	1.3	7.89672	6/21/2025	7:52:15 AM
2	4.00000	1	7.41576	0.92305	0.0	-1.6	4.06322	6/21/2025	7:53:33 AM
3	1.00000	1	1.89311	0.23551	0.0	-2.2	1.02238	6/21/2025	7:54:51 AM
4	0.40000	1	0.78619	0.09785	0.0	-3.1	0.41289	6/21/2025	7:56:09 AM
5	0.20000	1	0.39643	0.04901	0.0	0.8	0.19828	6/21/2025	7:57:27 AM
6	0.10000	1	0.22269	0.02578	0.0	-2.2	0.10262	6/21/2025	7:58:46 AM
7	0.00000	1	0.02268	0.00254			-0.00751	6/21/2025	8:00:03 AM

Figure : 1 (NO3+NO2)

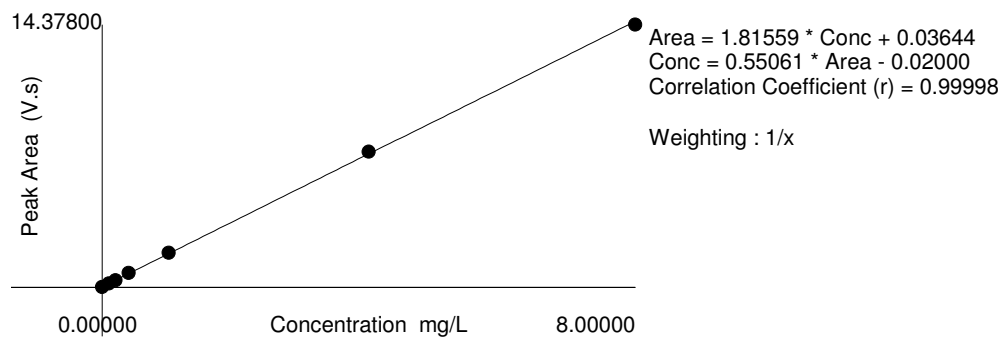
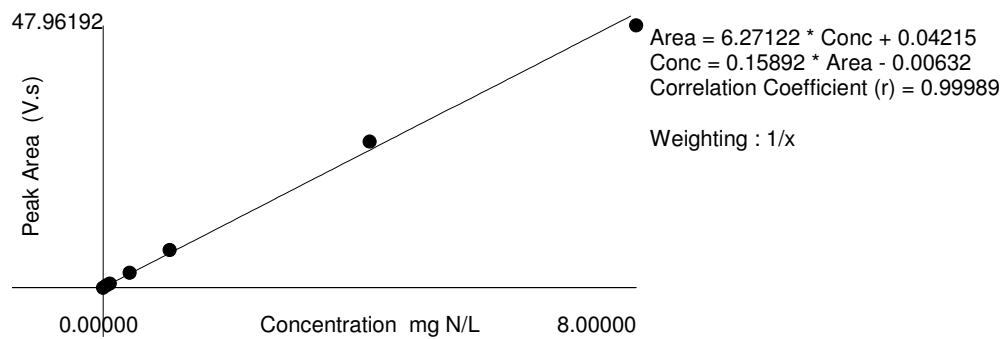


Table : 2 (Nitrite)

	Known Conc. (mg N/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg N/L)	Detection Date	Detection Time
1	8.00000	1	47.96192	4.97112	0.0	4.5	7.61592	6/21/2025	8:01:20 AM
2	4.00000	1	26.66206	2.98214	0.0	-6.1	4.23088	6/21/2025	8:02:37 AM
3	1.00000	1	6.83154	0.77567	0.0	-8.2	1.07936	6/21/2025	8:03:54 AM
4	0.40000	1	2.69366	0.30365	0.0	-5.6	0.42176	6/21/2025	8:05:12 AM
5	0.10000	1	0.70281	0.07755	0.0	-5.0	0.10537	6/21/2025	8:06:30 AM
6	0.05000	1	0.37591	0.03878	0.0	-5.7	0.05342	6/21/2025	8:07:49 AM
7	0.00000	1	-0.04372	-0.00183			-0.01327	6/21/2025	8:09:05 AM

Figure : 2 (Nitrite)



Original Run Filename: OM_6-21-2025_10-26-51AM.OMN Created: 6/21/2025 10:26:51 AM

Original Run Author's Signature: [A1wetcheminstrument]

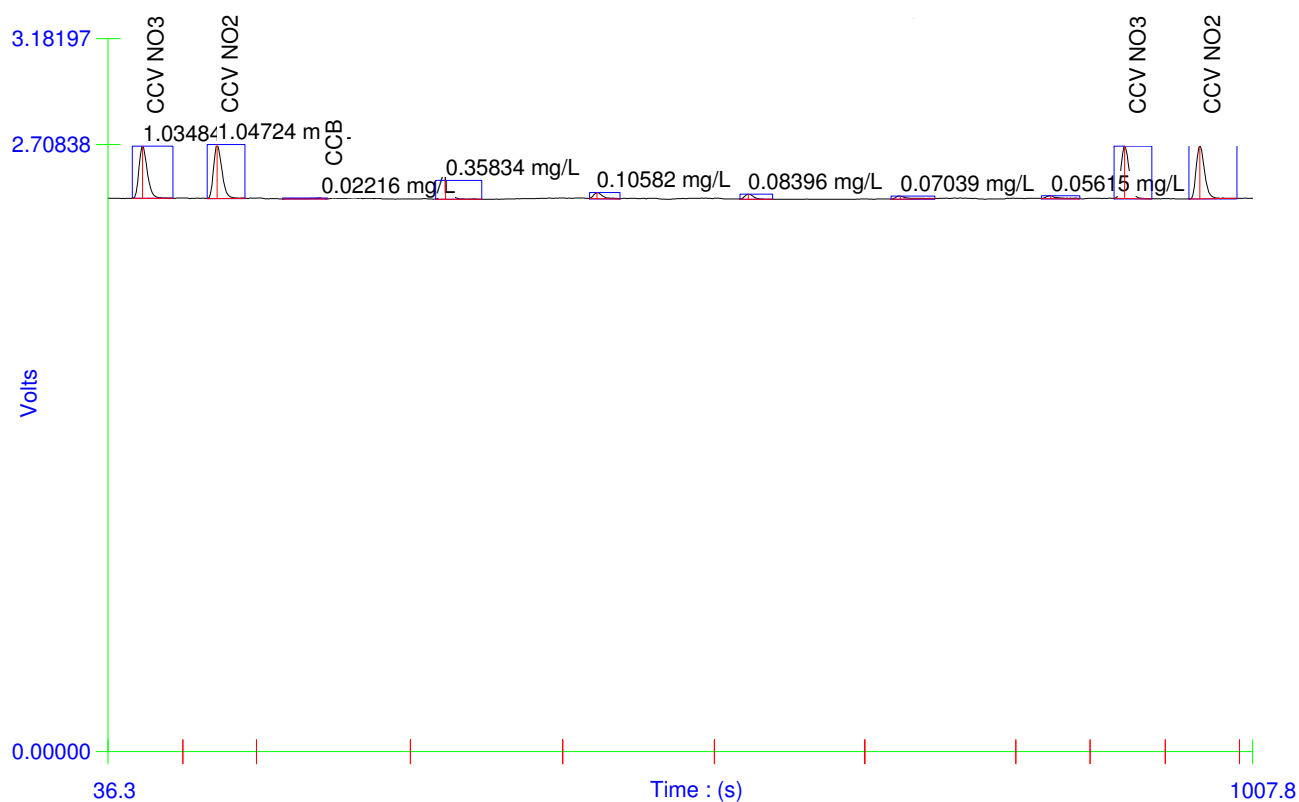
Current Run Filename: OM_6-21-2025_10-26-51AM.OMN Last Modified: 6/21/2025 10:48:54 AM

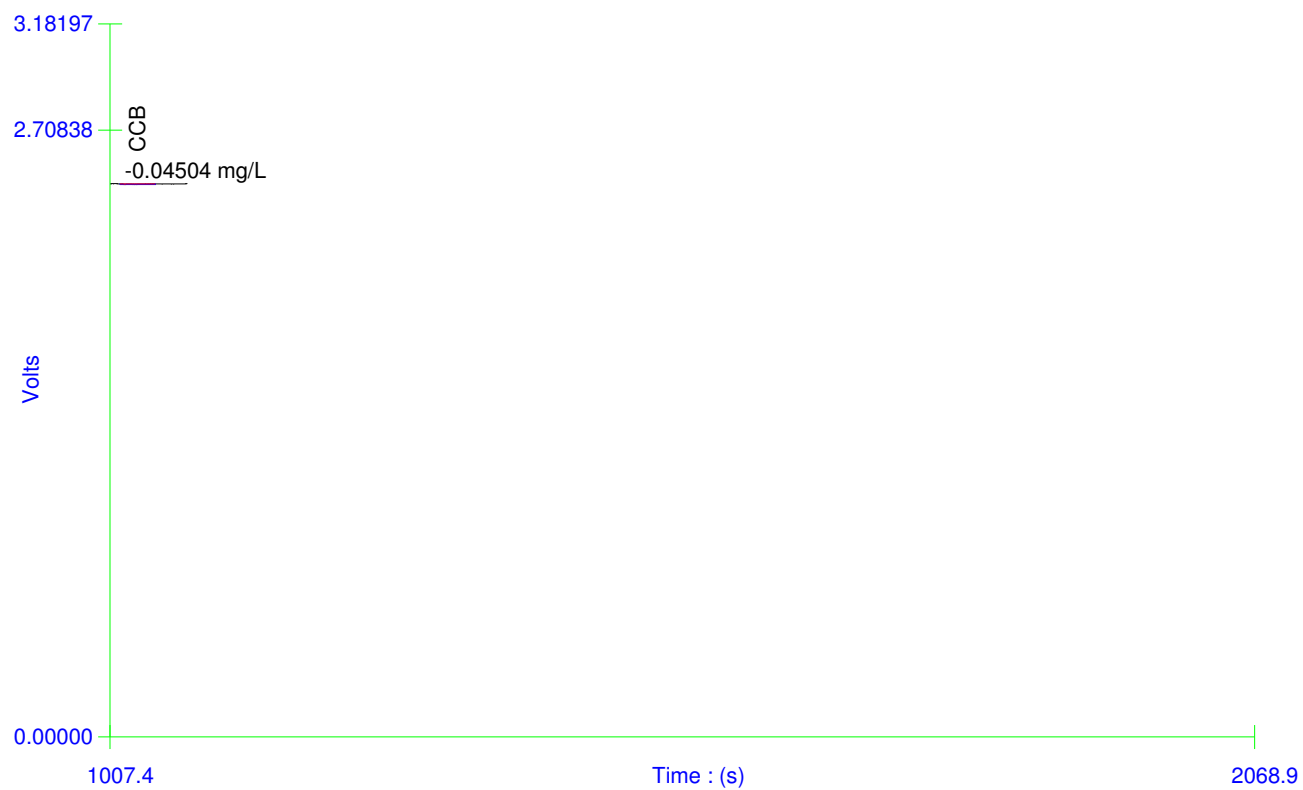
Current Run Author's Signature: [A1wetcheminstrument]

Description: Default New Run

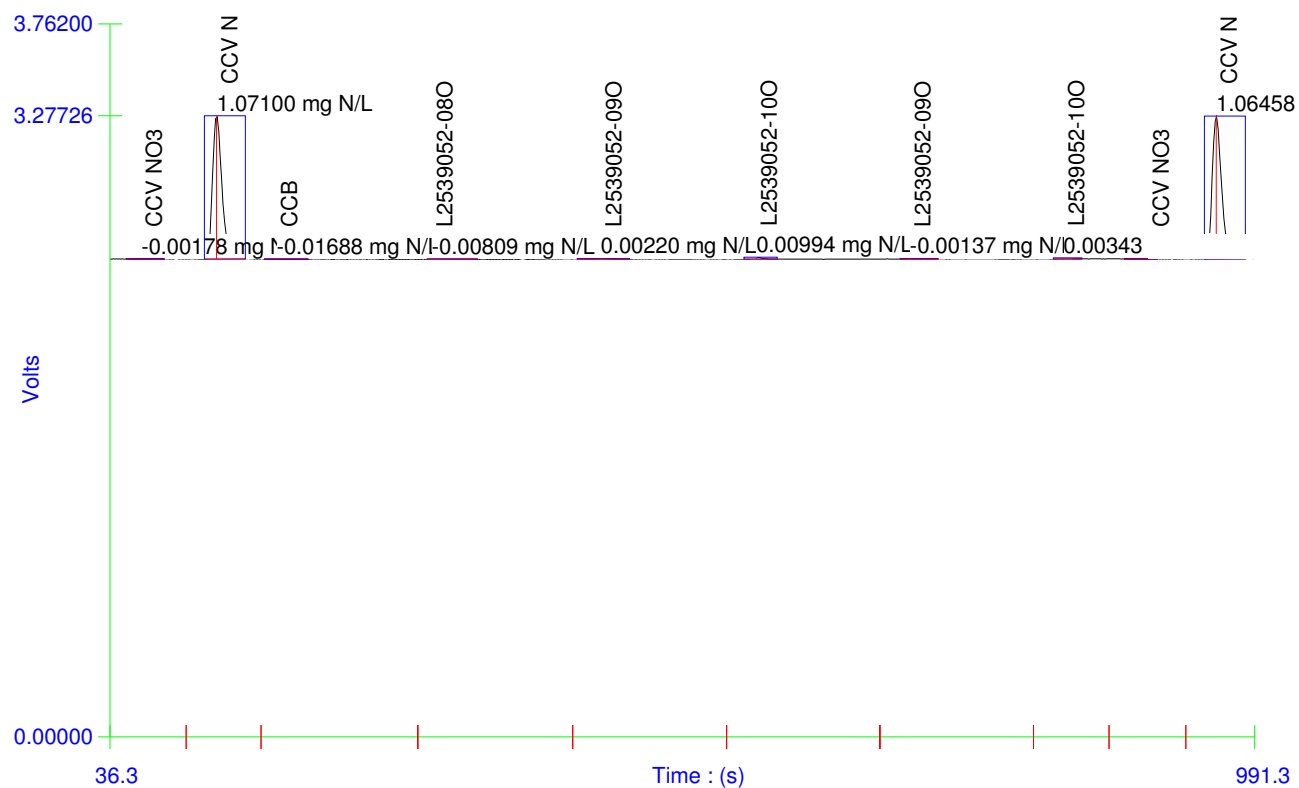
Sample	Rep.	Cup No.	Channel 1	Channel 2	ADF	MDF	Weight
			NO3+NO2 (mg/L)	Nitrite (mg N/L)			
CCV NO3	1	S2	1.03484	-0.00178			
Known Conc:			1.00000	0.00000			
Calibration:				Table/Fig. : 1			
CCV NO2	1	S9	1.04724	1.07100			
Known Conc:			0.00000	1.00000			
Calibration:			Table/Fig. : 2				
CCB	1	S1	0.02216	-0.01688			
Known Conc:			0.00000	0.00000			
L2539052-08O	1	145	3.58337	-0.08093	10.00		
L2539052-09O	1	146	2.64551	0.05498	25.00		
L2539052-10O	1	147	2.09901	0.24851	25.00		
L2539052-09O	1	146	3.51931	-0.06837	50.00		
L2539052-10O	1	147	2.80755	0.17162	50.00		
CCV NO3	1	S2	1.00518	-0.00125			
Known Conc:			1.00000	0.00000			
CCV NO2	1	S9	1.05179	1.06458			
Known Conc:			0.00000	1.00000			
CCB	1	S1	-0.04504	0.00463			
Known Conc:			0.00000	0.00000			

Channel 1 (NO3+NO2) - Set: 1 / 2



Channel 1 (NO₃+NO₂) - Set: 2 / 2

Channel 2 (NO2) - Set: 1 / 2



Channel 2 (NO2) - Set: 2 / 2

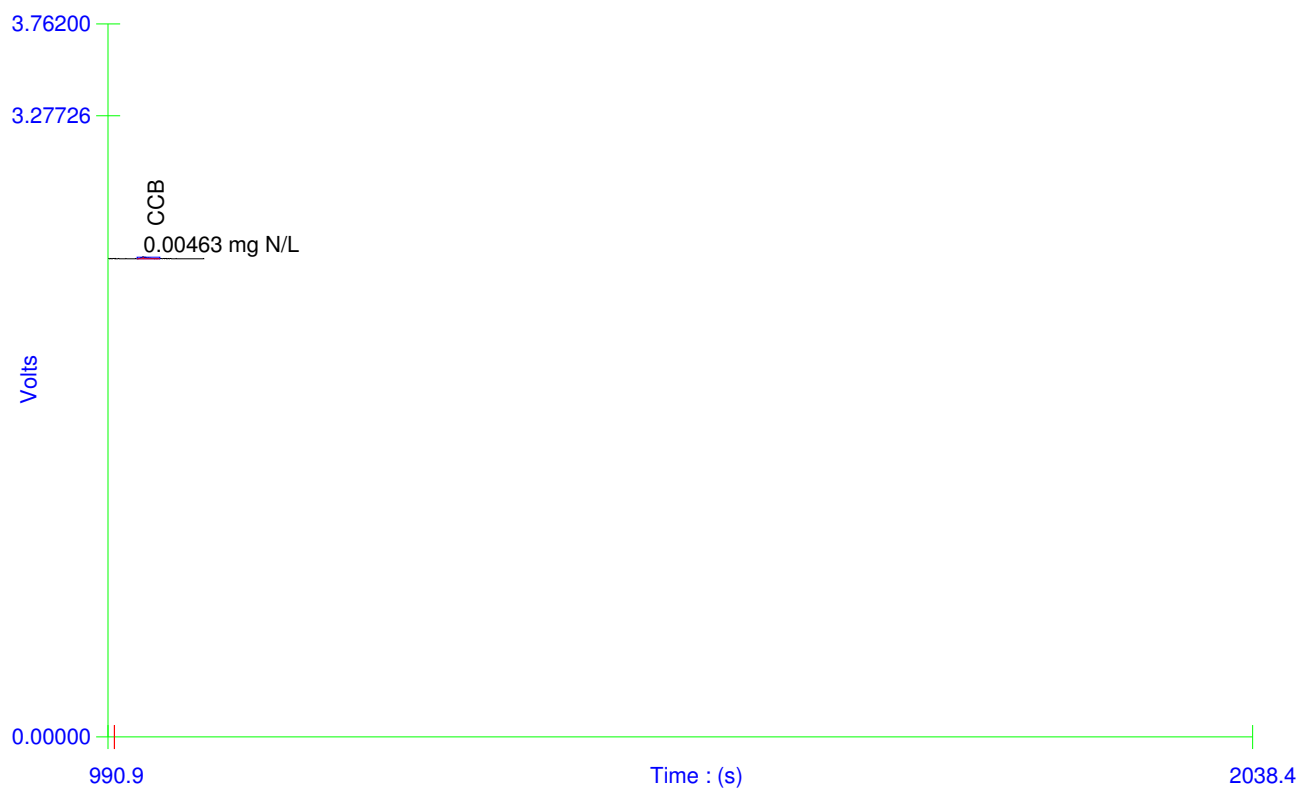


Table : 1 (Nitrite)

	Known Conc. (mg N/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg N/L)	Detection Date	Detection Time
1	8.00000	1	47.96192	4.97112	0.0	4.5	7.61592	6/21/2025	8:01:20 AM
2	4.00000	1	26.66206	2.98214	0.0	-6.1	4.23088	6/21/2025	8:02:37 AM
3	1.00000	1	6.83154	0.77567	0.0	-8.2	1.07936	6/21/2025	8:03:54 AM
4	0.40000	1	2.69366	0.30365	0.0	-5.6	0.42176	6/21/2025	8:05:12 AM
5	0.10000	1	0.70281	0.07755	0.0	-5.0	0.10537	6/21/2025	8:06:30 AM
6	0.05000	1	0.37591	0.03878	0.0	-5.7	0.05342	6/21/2025	8:07:49 AM
7	0.00000	1	-0.04372	-0.00183			-0.01327	6/21/2025	8:09:05 AM

Figure : 1 (Nitrite)

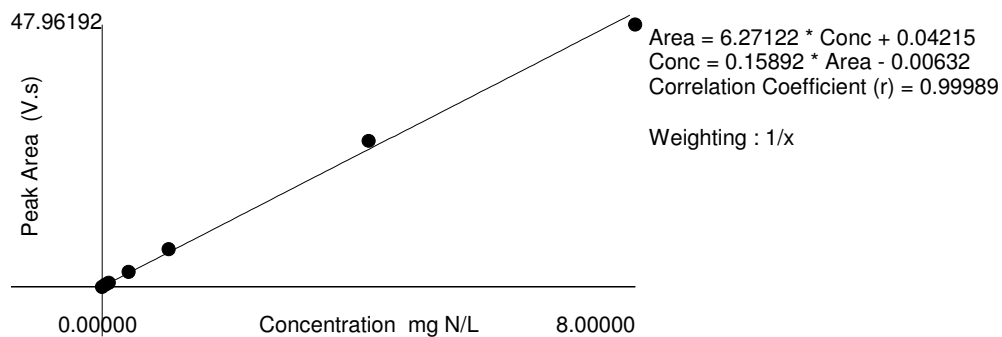
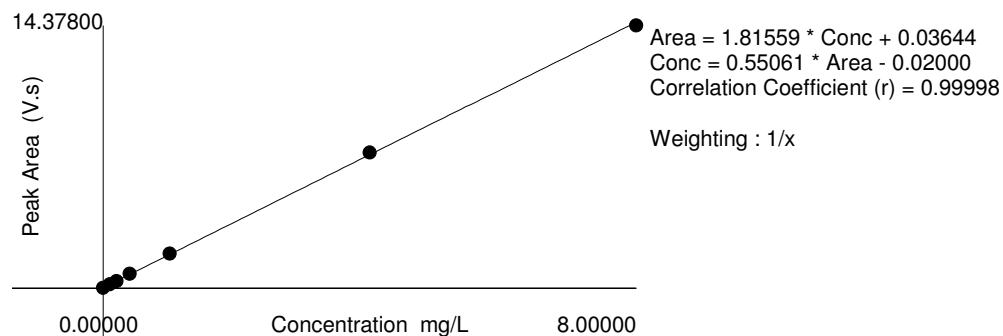


Table : 2 (NO3+NO2)

	Known Conc. (mg/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg/L)	Detection Date	Detection Time
1	8.00000	1	14.37800	1.74700	0.0	1.3	7.89672	6/21/2025	7:52:15 AM
2	4.00000	1	7.41576	0.92305	0.0	-1.6	4.06322	6/21/2025	7:53:33 AM
3	1.00000	1	1.89311	0.23551	0.0	-2.2	1.02238	6/21/2025	7:54:51 AM
4	0.40000	1	0.78619	0.09785	0.0	-3.1	0.41289	6/21/2025	7:56:09 AM
5	0.20000	1	0.39643	0.04901	0.0	0.8	0.19828	6/21/2025	7:57:27 AM
6	0.10000	1	0.22269	0.02578	0.0	-2.2	0.10262	6/21/2025	7:58:46 AM
7	0.00000	1	0.02268	0.00254			-0.00751	6/21/2025	8:00:03 AM

Figure : 2 (NO3+NO2)



Quality Control

Form 5a Matrix Spike

Client : Roux Env. Eng. & Geology, DPC	Lab Number : L2538805
Project Name : CORAM GROUNDWATER EVENT	Project Number : 2232.0006Y005
Client Sample ID : MW-4S	Matrix : WATER
Lab Sample ID : L2538805-01	
Matrix Spike : WG2081668-4	MS Analysis Date : 06/21/25 05:37
Matrix Spike Dup :	MSD Analysis Date :

Parameter	Sample Conc. (mg/l)	Matrix Spike Sample		%R	Matrix Spike Duplicate		%R	RPD	Recovery Limits	RPD Limit
		Spike Added (mg/l)	Spike Conc. (mg/l)		Spike Added (mg/l)	Spike Conc. (mg/l)				
Nitrogen, Nitrite	ND	4	4.03	101					80-120	20



Form 5a Matrix Spike

Client : Roux Env. Eng. & Geology, DPC	Lab Number : L2538805
Project Name : CORAM GROUNDWATER EVENT	Project Number : 2232.0006Y005
Client Sample ID : MW-4S	Matrix : WATER
Lab Sample ID : L2538805-01	
Matrix Spike : WG2081672-4	MS Analysis Date : 06/21/25 05:34
Matrix Spike Dup :	MSD Analysis Date :

Parameter	Sample Conc. (mg/l)	Matrix Spike Sample		%R	Matrix Spike Duplicate		%R	RPD	Recovery Limits	RPD Limit
		Spike Added (mg/l)	Spike Conc. (mg/l)		Spike Added (mg/l)	Spike Conc. (mg/l)				
Nitrogen, Nitrate	2.52	4	6.48	99					83-113	17



Form 5a Matrix Spike

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Client Sample ID	: MW-4S	Matrix	: WATER
Lab Sample ID	: L2538805-01		
Matrix Spike	: WG2081679-4	MS Analysis Date	: 06/21/25 05:34
Matrix Spike Dup	:	MSD Analysis Date	:

Parameter	Sample Conc. (mg/l)	Matrix Spike Sample		%R	Matrix Spike Duplicate		%R	RPD	Recovery Limits	RPD Limit
		Spike Added (mg/l)	Spike Conc. (mg/l)		Spike Added (mg/l)	Spike Conc. (mg/l)				
Nitrogen, Nitrate/Nitrite	2.5	4	6.5	100					80-120	20



Form 6 Lab Duplicates

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Client Sample ID	: MW-4S	Matrix	: WATER
Lab Sample ID	: L2538805-01	Analysis Date	: 06/21/25 05:31
Dup Sample ID	: WG2081668-3	DUP Analysis Date	: 06/21/25 05:35

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Nitrogen, Nitrite	ND	ND	NC	20



Form 6 Lab Duplicates

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Client Sample ID	: MW-4S	Matrix	: WATER
Lab Sample ID	: L2538805-01	Analysis Date	: 06/21/25 05:31
Dup Sample ID	: WG2081672-3	DUP Analysis Date	: 06/21/25 05:33

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Nitrogen, Nitrate	2.52	2.53	0	17



Form 6 Lab Duplicates

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Client Sample ID	: MW-4S	Matrix	: WATER
Lab Sample ID	: L2538805-01	Analysis Date	: 06/21/25 05:31
Dup Sample ID	: WG2081679-3	DUP Analysis Date	: 06/21/25 05:33

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Nitrogen, Nitrate/Nitrite	2.5	2.5	0	20



Form 7

Laboratory Control Sample

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM GROUNDWATER EVENT
 Client Sample ID : NA
 Lab Sample ID : WG2081668-2
 Dup Sample ID :

Lab Number : L2538805
 Project Number : 2232.0006Y005
 Matrix : WATER
 LCS Analysis Date : 06/21/25 05:01
 LCSD Analysis Date :

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/l)	Found (mg/l)	%R	True (mg/l)	Found (mg/l)	%R			
Nitrogen, Nitrite	5.00	5.25	105.					90-110	20



Form 7

Laboratory Control Sample

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM GROUNDWATER EVENT
 Client Sample ID : NA
 Lab Sample ID : WG2081672-2
 Dup Sample ID :
 Lab Number : L2538805
 Project Number : 2232.0006Y005
 Matrix : WATER
 LCS Analysis Date : 06/21/25 05:08
 LCSD Analysis Date :

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/l)	Found (mg/l)	%R	True (mg/l)	Found (mg/l)	%R			
Nitrogen, Nitrate	5.00	5.01	100.					90-110	17

Form 7

Laboratory Control Sample

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Client Sample ID	: NA	Matrix	: WATER
Lab Sample ID	: WG2081679-2	LCS Analysis Date	: 06/21/25 05:08
Dup Sample ID	:	LCSD Analysis Date	:

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/l)	Found (mg/l)	%R	True (mg/l)	Found (mg/l)	%R			
Nitrogen, Nitrate/Nitrite	5.00	5.00	100.					90-110	20



Date Created: 11/11/21
Created By: Jason Hebert
File: PM11467-1
Page: 1

WETCHEM (WATER)

[illegible]

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of the laboratory.

Date Created: 11/11/21
Created By: Jason Hebert
File: PM11468-1
Page: 1

WETCHEM (SOIL)

[illegible]

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soll/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of the laboratory.

Calculations of Nitrogen, Nitrate

Aqueous Samples:

Compute sample N in NO₃ concentration by comparing sample peak areas with standard curve, as determined by the Lachat instrument software.

Calculate results by using reading on Channel 1 (NO₃+NO₂) and Channel 2 (NO₂)

$$\text{NO}_3 \text{ mg/I} = (\text{NO}_3 + \text{NO}_2) \text{ mg/L} - (\text{NO}_2) \text{ mg/L}$$

To compute final results for aqueous samples, multiply the direct reading by the dilution factor (also done using software)

$$(\text{NO}_3)\text{-N mg/L} = \text{mg/L direct reading} \times \text{dilution factor}$$

Calculations of Nitrogen, Nitrite

Aqueous Samples:

Compute sample N in NO₂ concentration by comparing sample peak areas with standard curve, as determined by the Lachat instrument software.

Calculate results by using reading on Channel 2 (NO₂)

To compute final results for aqueous samples, multiply the direct reading by the dilution factor (also done using software)

$$(\text{NO}_2)\text{-N mg/L} = \text{mg/L direct reading} \times \text{dilution factor}$$

Sequence Logs

Date:	Initials:	Syringe Lot:	Syringe Lot: 20230620
062125	KAF	Filter Lot:	Filter Lot: 18048470A

Rack #	Sample ID:	Comments:
1	ICV NO3 5	Buffer: NO3NO2_061925_BUFFER
2	ICV NO2 5	Color: NO3NO2_062125_COLOR
3	ICV NO3 0.5	NO3 MS: NO3_060325_200PPM_CAL
4	ICV NO2 0.5	NO2 MS: NO2_052225_200PPM_CAL
5	ICB	ICV NO3 5: NO3_062125_5PPM_ICV
6	5X DILUTER CHECK	ICV NO2 5: NO2_062125_5PPM_ICV
7	BLNK NO3	ICV NO3 0.5: NO3_062125_0.5PPM_ICV
8	LCS NO3	ICV NO2 0.5: NO2_062125_0.5PPM_ICV
9	BLNK NO2	
10	LCS NO2	
11	WG2081665/666-1	
12	WG2081665/666-2	
13	WG2081668/669-1	
14	WG2081668/669-2	
15	WG2081670-1	
16	WG2081670-2	
17	WG2081671/673-1	
18	WG2081671/673-2	
19	WG2081672/679-1	
20	WG2081672/679-2	
21	WG2081674-1	
22	WG2081674-2	
23	WG2081676-1	
24	WG2081676-2	
25	WG2081677/680-1	
26	WG2081677/680-2	
27	WG2081678-1	
28	WG2081678-2	
29	L2538620-01A	
30	L2538620-02A	
31	L2538620-03A	
32	L2538805-01L	
33	WG2081672/679-3	
34	WG2081672/679-4	
35	WG2081668-3	
36	WG2081668-4	
37	L2538805-02L	
38	L2538805-03L	
39	L2538805-04L	
40	L2538805-05L	
41	L2538805-06L	
42	L2539019-01L	
43	L2539019-02L	

Rack #	Sample ID:	Comments:
44	L2539019-03L	
45	L2539019-04L	
46	L2539019-05L	
47	L2539019-06L	
48	L2539019-07L	
49	L2539019-08L	
50	L2539155-01C	
51	L2539155-02C	
52	L2539155-03C	
53	L2538650-01F	
54	WG2081670-5	
55	WG2081670-6	
56	L2538650-02F	
57	L2538650-03F	
58	L2538650-04F	
59	L2538650-05F	
60	L2538650-06F	
61	L2538651-01E	
62	L2538822-01F	
63	L2538822-02F	
64	L2538822-03F	
65	L2538822-04F	
66	L2538957-01E	
67	WG2081670-3	
68	WG2081670-4	
69	WG2081665-3	
70	WG2081665-4	
71	L2539161-01E	
72	L2539161-02E	
73	L2538978-01N	
74	L2538978-02N	
75	L2538975-01E	
76	WG2081673-3	
77	WG2081673-4	
78	L2539217-01F	
79	L2539217-02F	
80	L2539217-03F	
81	L2539217-04F	
82	L2539217-05F	
83	L2539083-01A	
84	L2539083-02A	
85	L2539083-03A	
86	L2539095-01G	
87	L2535810-01A	
88	WG2081674-3	
89	WG2081674-4	

Rack #	Sample ID:	Comments:
90	WG2081669-3	
91	WG2081669-4	
92	L2535811-01A	
93	L2539030-01A	
94	L2539030-02A	
95	L2539030-03A	
96	L2539030-04A	
97	L2539030-05A	
98	L2539030-06A	
99	L2539030-07A	
100	L2539030-08A	
101	L2539030-09A	
102	L2537588-01A	
103	WG2081671-3	
104	WG2081671-4	
105	WG2081666-3	
106	WG2081666-4	
107	L2537588-02A	
108	L2539179-01F	
109	L2539179-03F	
110	L2539179-04F	
111	L2539179-05F	
112	WG2081674-5	
113	WG2081674-6	
114	L2539179-06F	
115	L2536422-02A	
116	L2536458-01B	
117	L2536458-02B	
118	L2536497-01B	
119	L2536725-01D	
120	L2536725-02D	
121	L2536725-03D	
122	L2536829-01A	
123	L2536829-02B	
124	L2538794-01F	
125	WG2081676-3	
126	WG2081676-4	
127	L2535772-01A	
128	WG2081677-3	
129	WG2081677-4	
130	L2535772-02A	
131	L2536266-01B	
132	L2536266-02B	
133	L2536266-03B	
134	L2536266-04B	
135	L2536266-05B	

Rack #	Sample ID:	Comments:
136	L2535810-01B	
137	WG2081680-3	
138	WG2081680-4	
139	L2535811-01C	
140	L2539127-01H	
141	L2539127-02H	
142	WG2081676-5	
143	WG2081676-6	
144	L2539127-03H	
145	L2539052-08O	LIGHT PINK
146	L2539052-09O	MEDIUM PINK
147	L2539052-10O	DARK PINK/PURPLE

Total Dissolved Solids Analysis

Results

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-01	Date Collected	: 06/19/25 11:10
Client ID	: MW-4S	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 06/25/25 01:55
Sample Matrix	: WATER	Dilution Factor	: 1.3
Analytical Method	: 121,2540C	Analyst	: DEW
Lab File ID	: WG2083072.pdf	Instrument ID	: BALANCE#22
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Solids, Total Dissolved	110	13	4.0	

Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-02	Date Collected	: 06/19/25 11:05
Client ID	: MW-4D2	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 06/25/25 01:55
Sample Matrix	: WATER	Dilution Factor	: 1.3
Analytical Method	: 121,2540C	Analyst	: DEW
Lab File ID	: WG2083072.pdf	Instrument ID	: BALANCE#22
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Solids, Total Dissolved	89.	13	4.0	



Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-03	Date Collected	: 06/19/25 10:00
Client ID	: SCDOH-DR	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 06/25/25 01:55
Sample Matrix	: WATER	Dilution Factor	: 1.3
Analytical Method	: 121,2540C	Analyst	: DEW
Lab File ID	: WG2083072.pdf	Instrument ID	: BALANCE#22
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Solids, Total Dissolved	150	13	4.0	

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-04	Date Collected	: 06/19/25 08:38
Client ID	: MW-10S	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 06/25/25 01:55
Sample Matrix	: WATER	Dilution Factor	: 1.3
Analytical Method	: 121,2540C	Analyst	: DEW
Lab File ID	: WG2083072.pdf	Instrument ID	: BALANCE#22
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Solids, Total Dissolved	41.	13	4.0	

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-05	Date Collected	: 06/19/25 08:50
Client ID	: MW-10D	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 06/25/25 01:55
Sample Matrix	: WATER	Dilution Factor	: 1.3
Analytical Method	: 121,2540C	Analyst	: DEW
Lab File ID	: WG2083072.pdf	Instrument ID	: BALANCE#22
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Solids, Total Dissolved	78.	13	4.0	

Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-06	Date Collected	: 06/19/25 12:00
Client ID	: EQUIPMENT BLANK	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 06/25/25 01:55
Sample Matrix	: Equipment Blank	Dilution Factor	: 1
Analytical Method	: 121,2540C	Analyst	: DEW
Lab File ID	: WG2083072.pdf	Instrument ID	: BALANCE#22
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Solids, Total Dissolved	ND	10	3.1	U

Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: WG2083072-1	Date Collected	: NA
Client ID	: WG2083072-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 06/25/25 01:55
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,2540C	Analyst	: DEW
Lab File ID	: WG2083072.pdf	Instrument ID	: BALANCE#22
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Solids, Total Dissolved	ND	10	3.1	U



Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: WG2083072-3	Date Collected	: 06/18/25 12:54
Client ID	: WG2083072-3 DUP	Date Received	: 06/18/25
Sample Location	:	Date Analyzed	: 06/25/25 01:55
Sample Matrix	: WATER	Dilution Factor	: 1.3
Analytical Method	: 121,2540C	Analyst	: DEW
Lab File ID	: WG2083072.pdf	Instrument ID	: BALANCE#22
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Solids, Total Dissolved	220	13	4.0	

Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: WG2083072-4	Date Collected	: 06/18/25 11:15
Client ID	: WG2083072-4 DUP	Date Received	: 06/18/25
Sample Location	:	Date Analyzed	: 06/25/25 01:55
Sample Matrix	: WATER	Dilution Factor	: 1.3
Analytical Method	: 121,2540C	Analyst	: DEW
Lab File ID	: WG2083072.pdf	Instrument ID	: BALANCE#22
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
NONE	Solids, Total Dissolved	2400	13	4.0	

Sample Raw Data

WorkGroup	WG2083072	Temp In (C)	180	Temp In (C)	180	Temp In (C)	180	Temp In (C)	180	Temp In (C)	180	Temp In (C)	180	
Title	Solids, Total Dissolved	Temp Out (C)	180	Temp Out (C)	180	Temp Out (C)	180	Temp Out (C)	180	Temp Out (C)	180	Temp Out (C)	180	
Method	SM2540C	Time In	27-JUN-25 07:15	Time In	27-JUN-25 10:58	Time In	27-JUN-25 12:44	Time In	27-JUN-25 15:44	Time In	27-JUN-25 18:31	Time In	27-JUN-25 20:35	
Instrument	BALANCE#22	Time Out	27-JUN-25 10:05	Time Out	27-JUN-25 12:57	Time Out	27-JUN-25 15:12	Time Out	27-JUN-25 17:25	Time Out	27-JUN-25 20:35	Time Out	27-JUN-25 20:35	
LCS Lot # 061025B												True Value	Units mg/l	
Sample #	Analysis Date	Analyst	Cup ID	Filter Lot	Tare Weight (gm)	Sample Volume (ml)	Net Weight (1) (gm)	Net Weight (2) (gm)	Net Weight (3) (gm)	Net Weight (4) (gm)	Net Weight (5) (gm)	Result mg/L	Dil	Comment
L2538337-01	25-JUN-25 01:55	DEB WHELAN	R8	79145397	73.1372	80	73.1549	73.1545				216.25	1.3	
L2538337-02	25-JUN-25 01:55	DEB WHELAN	C2	79145397	66.6508	80	66.8508	66.8494	66.8497			2482.50	1.3	
L2538337-03	25-JUN-25 01:55	DEB WHELAN	Z20	79145397	61.8042	80	61.9895	61.9891				2311.25	1.3	
L2538445-01	25-JUN-25 01:55	DEB WHELAN	V2	79145397	63.2021	80	67.3649	67.3458	67.4262	67.426		51796.25	1.3	
L2538500-01	25-JUN-25 01:55	DEB WHELAN	EN	79145397	64.5613	80	64.653	64.6532				1146.25	1.3	
L2538500-03	25-JUN-25 01:55	DEB WHELAN	X1	79145397	70.0697	80	70.0779	70.078				102.50	1.3	
L2538620-01	25-JUN-25 01:55	DEB WHELAN	Z17	79145397	63.7794	80	63.808	63.8084				357.50	1.3	
L2538620-02	25-JUN-25 01:55	DEB WHELAN	Z2	79145397	64.8952	80	64.9235	64.9235				353.75	1.3	
L2538620-03	25-JUN-25 01:55	DEB WHELAN	C6	79145397	68.9082	80	68.9397	68.9397				393.75	1.3	T4
L2538650-01	25-JUN-25 01:55	DEB WHELAN	M	79145397	65.1402	80	65.1781	65.1777				468.75	1.3	
L2538650-02	25-JUN-25 01:55	DEB WHELAN	K7	79145397	63.253	80	63.374	63.3737				1508.75	1.3	
L2538650-03	25-JUN-25 01:55	DEB WHELAN	Z3	79145397	61.874	80	62.0002	62.0004				1577.50	1.3	
L2538650-04	25-JUN-25 01:55	DEB WHELAN	Z24	79145397	66.0464	80	66.3139	66.3136				3340.00	1.3	
L2538650-05	25-JUN-25 01:55	DEB WHELAN	EB	79145397	71.0314	80	71.24	71.2396				2602.50	1.3	
L2538805-01	25-JUN-25 01:55	DEB WHELAN	N1	79145397	65.1769	80	65.1855	65.1857				107.50	1.3	
L2538805-02	25-JUN-25 01:55	DEB WHELAN	Z1	79145397	66.0851	80	66.0922	66.0922				88.75	1.3	
L2538805-03	25-JUN-25 01:55	DEB WHELAN	V1	79145397	70.7126	80	70.7247	70.725				151.25	1.3	
L2538805-04	25-JUN-25 01:55	DEB WHELAN	X2	79145397	71.7428	80	71.7461	71.7463				41.25	1.3	
L2538805-05	25-JUN-25 01:55	DEB WHELAN	ET	79145397	67.3789	80	67.3851	67.3854				77.50	1.3	
L2538805-06	25-JUN-25 01:55	DEB WHELAN	C1	79145397	63.6223	100	63.6217	63.6218				-6.00	1	EB
WG2083072-1	25-JUN-25 01:55	DEB WHELAN	DW	79145397	65.5896	100	65.5892	65.5896				-4.00	1	T3
WG2083072-2	25-JUN-25 01:55	DEB WHELAN	ED	79145397	62.0267	50	62.0516	62.0515				496.00	2	

WorkGroup	WG2083072			Temp In (C) 180		Temp In (C) 180		Temp In (C) 180		Temp In (C) 180		Temp In (C) 180					
	Title Solids, Total Dissolved			Temp Out (C) 180		Temp Out (C) 180		Temp Out (C) 180		Temp Out (C) 180		Temp Out (C) 180					
	Method SM2540C			Time In 27-JUN-25 07:15		Time In 27-JUN-25 10:58		Time In 27-JUN-25 12:44		Time In 27-JUN-25 15:44		Time In 27-JUN-25 18:31					
	Instrument BALANCE#22			Time Out 27-JUN-25 10:05		Time Out 27-JUN-25 12:57		Time Out 27-JUN-25 15:12		Time Out 27-JUN-25 17:25		Time Out 27-JUN-25 20:35					
												LCS Lot # 061025B		Trace Value		Units mg/l	
Sample #	Analysis Date	Analyst	Cup ID	Sample Volume (ml)							Result mg/L	Dil	Comment				
WG2083072-3	25-JUN-25 01:55	DEB WHELAN	Z13	79145397	65.4346	80	65.4522	65.4524			220.00	1.3					
WG2083072-4	25-JUN-25 01:55	DEB WHELAN	C4	79145397	65.8231	80	66.0177	66.0157	66.0158			2407.50	1.3				

Quality Control

Form 6 Lab Duplicates

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Client Sample ID	: NA	Matrix	: WATER
Lab Sample ID	: NA	Analysis Date	: 06/25/25 01:55
Dup Sample ID	: WG2083072-3	DUP Analysis Date	: 06/25/25 01:55

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Solids, Total Dissolved	220	220	0	10



Form 6 Lab Duplicates

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Client Sample ID	: NA	Matrix	: WATER
Lab Sample ID	: NA	Analysis Date	: 06/25/25 01:55
Dup Sample ID	: WG2083072-4	DUP Analysis Date	: 06/25/25 01:55

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Solids, Total Dissolved	2500	2400	4	10



Form 7

Laboratory Control Sample

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM GROUNDWATER EVENT
 Client Sample ID : NA
 Lab Sample ID : WG2083072-2
 Dup Sample ID :
 Lab Number : L2538805
 Project Number : 2232.0006Y005
 Matrix : WATER
 LCS Analysis Date : 06/25/25 01:55
 LCSD Analysis Date :

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/l)	Found (mg/l)	%R	True (mg/l)	Found (mg/l)	%R			
Solids, Total Dissolved	500.	500.	99.					80-120	10



Date Created: 11/11/21
Created By: Jason Hebert
File: PM11467-1
Page: 1

WETCHEM (WATER

[illegible]

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the Information provided in this table is subject to change at anytime at the discretion of the laboratory.

Calculations of TDS

$$\text{mgTDS/L} = \frac{(A - B) \times 1000}{\text{Sample volume, (L)}}$$

Where:

A = Final weight (weight of dish + dried residue, g)

B = Initial weight (weight of clean dish, g)

Sulfate Analysis

Results

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-01	Date Collected	: 06/19/25 11:10
Client ID	: MW-4S	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 06/26/25 14:00
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500SO4-E	Analyst	: MRW
Lab File ID	: WG2083248.csv	Instrument ID	: SPEC6
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 06/26/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
14808-79-8	Sulfate	11.	10	1.4	

Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-02	Date Collected	: 06/19/25 11:05
Client ID	: MW-4D2	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 06/26/25 14:00
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500SO4-E	Analyst	: MRW
Lab File ID	: WG2083248.csv	Instrument ID	: SPEC6
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 06/26/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
14808-79-8	Sulfate	15.	10	1.4	

Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-03	Date Collected	: 06/19/25 10:00
Client ID	: SCDOH-DR	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 06/26/25 14:00
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500SO4-E	Analyst	: MRW
Lab File ID	: WG2083248.csv	Instrument ID	: SPEC6
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 06/26/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
14808-79-8	Sulfate	14.	10	1.4	

Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-04	Date Collected	: 06/19/25 08:38
Client ID	: MW-10S	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 06/26/25 14:00
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500SO4-E	Analyst	: MRW
Lab File ID	: WG2083248.csv	Instrument ID	: SPEC6
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 06/26/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
14808-79-8	Sulfate	6.1	10	1.4	J

Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-05	Date Collected	: 06/19/25 08:50
Client ID	: MW-10D	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 06/26/25 14:00
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500SO4-E	Analyst	: MRW
Lab File ID	: WG2083248.csv	Instrument ID	: SPEC6
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 06/26/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
14808-79-8	Sulfate	19.	10	1.4	

Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-06	Date Collected	: 06/19/25 12:00
Client ID	: EQUIPMENT BLANK	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 06/26/25 14:00
Sample Matrix	: Equipment Blank	Dilution Factor	: 1
Analytical Method	: 121,4500SO4-E	Analyst	: MRW
Lab File ID	: WG2083248.csv	Instrument ID	: SPEC6
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 06/26/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
14808-79-8	Sulfate	1.7	10	1.4	J

Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: WG2083248-1	Date Collected	: NA
Client ID	: WG2083248-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 06/26/25 14:00
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500SO4-E	Analyst	: MRW
Lab File ID	: WG2083248.csv	Instrument ID	: SPEC6
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 06/26/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
14808-79-8	Sulfate	2.0	10	1.4	J

Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: WG2083248-3	Date Collected	: 06/18/25 13:22
Client ID	: WG2083248-3 DUP	Date Received	: 06/18/25
Sample Location	:	Date Analyzed	: 06/26/25 14:00
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500SO4-E	Analyst	: MRW
Lab File ID	: WG2083248.csv	Instrument ID	: SPEC6
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 06/26/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
14808-79-8	Sulfate	18.	10	1.4	

Sample Raw Data

PACE ANALYTICAL LABS
WET CHEMISTRY DEPARTMENT
S U L F A T E

Last Change 3/5/13
File SO4-L.xlt
Curve/spike/ccv;WC-3572
LCS;WC-3587
Reagent;lot A5106

Sample Number: _____ Product: SO4-4500
Curve Calibration Date : 06/26/25
Client: _____ Curve Identifier: 6/26/2025
Analysis: Sulfate, SO4 Analysis Analyte: Sulfate
Method: SM 4500SO4-E Analysis Date: 6/26/2025 14:00
Instrument: SPEC6 Preparation Date: 6/26/2025 14:00
Wavelength: 420 nm Technician: MRW
Spike Volume(ml): 0.5 Work group: WG2083248
Spike Concentration (mg/l): 1000 RL: 10 mg/l
Cell: 2.5 cm

CALCULATION					
Standard ID	Mean signal	Dilution	Calc-ed Result	Calibration Curve	
	(pk area) abs			Volume: 25 ml	
0	0.000	1.0	1.76	Slope	y-intercept
10	0.134	1.0	8.33	0.020374	-0.0358
20	0.351	1.0	19.0	Correlation Coefficient 0.995602	
40	0.798	1.0	40.9		
ICV/LCS Concentration (mg/l) = 20.0000					

	Sample number	Sample Volume (ml)	Final Volume (ml)	Bkgd. Abs.	Gross Abs.	Net Absorbance	RESULT (mg/l)	Dilution Factor	RL Multiplier	FINAL RESULT (mg/l)	
	ICB	25	25	0	0.003	0.003	2.041	1	1.0	2.0	Recovery
	ICV	25	25	0	0.357	0.357	19.264	1	1.0	19.3	
SAMP	L2538382-06	25	25	0.004	0.361	0.357	19.264	1	1.0	19.3	96%
SAMP	L2538805-01	25	25	0	0.178	0.178	10.555	1	1.0	10.6	
SAMP	L2538805-02	25	25	0.005	0.273	0.268	14.934	1	1.0	14.9	
SAMP	L2538805-03	25	25	0.003	0.262	0.259	14.496	1	1.0	14.5	
SAMP	L2538805-04	25	25	0.012	0.099	0.087	6.128	1	1.0	6.1	
SAMP	L2538805-05	25	25	0.007	0.359	0.352	19.020	1	1.0	19.0	
SAMP	L2538805-06	25	25	0.004	0.001	-0.003	1.749	1	1.0	1.7	
	CCV	25	25	0	0.354	0.354	19.118	1	1.0	19.1	
	CCB	25	25	0	0.003	0.003	2.041	1	1.0	2.0	
		25	25					1	1.0		
		25	25					1	1.0		L2538382-06
LOQ2	WG2083248-5	25	25	0	0.136	0.136	8.512	1	1.0	8.5	
		25	25					1	1.0		
		25	25					1	1.0		
		25	25					1	1.0		
		25	25					1	1.0		
		25	25					1	1.0		
		25	25					1	1.0		
		25	25					1	1.0		
		25	25					1	1.0		
BLANK	WG2083248-1	25	25	0.000	0.003	0.003	2.041	1	1.0	2.0	
DUP	WG2083248-3	25	25	0.003	0.34	0.337	18.291	1	1.0	18.3	
	sample	Final	Bkgd.	Gross		Sample	Spiked	Spike conc.	Spike	Recovery	
	Sample number	volume	volume (ml)	Abs.	Abs.	Absorbance	Result mg/l	Volume	mg/l	Result mg/l	%
MS	WG2083248-4	12.5	25	0.002	0.584	0.582	19.300	12.5	40.0000	60	103
L2538382-06											
LCS	WG2083248-2	25	25	0	0.357	0.357		1	20.0000	19	96

Quality Control

Form 5a Matrix Spike

Client : Roux Env. Eng. & Geology, DPC	Lab Number : L2538805
Project Name : CORAM GROUNDWATER EVENT	Project Number : 2232.0006Y005
Client Sample ID : NA	Matrix : WATER
Lab Sample ID : L2538382-06	
Matrix Spike : WG2083248-4	MS Analysis Date : 06/26/25 14:00
Matrix Spike Dup :	MSD Analysis Date :

Parameter	Sample Conc. (mg/l)	Matrix Spike Sample		%R	Matrix Spike Duplicate		%R	RPD	Recovery Limits	RPD Limit
		Spike Added (mg/l)	Spike Conc. (mg/l)		Spike Added (mg/l)	Spike Conc. (mg/l)				
Sulfate	19.	40	60.	102					55-147	14



Form 6 Lab Duplicates

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Client Sample ID	: NA	Matrix	: WATER
Lab Sample ID	: NA	Analysis Date	: 06/26/25 14:00
Dup Sample ID	: WG2083248-3	DUP Analysis Date	: 06/26/25 14:00

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Sulfate	19	18.	5	14



Form 7
Laboratory Control Sample

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM GROUNDWATER EVENT
Client Sample ID : NA
Lab Sample ID : WG2083248-2
Dup Sample ID :

Lab Number : L2538805
Project Number : 2232.0006Y005
Matrix : WATER
LCS Analysis Date : 06/26/25 14:00
LCSD Analysis Date :

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/l)	Found (mg/l)	%R	True (mg/l)	Found (mg/l)	%R			
Sulfate	20.0	19.0	95.					90-110	14

Date Created: 11/11/21
Created By: Jason Hebert
File: PM11467-1
Page: 1

WETCHEM (WATER)

[illegible]

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soll/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of the laboratory.

Date Created: 11/11/21
Created By: Jason Hebert
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Page: 1

WETCHEM (SOIL)

[illegible]

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soll/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of the laboratory.

Calculations of Sulfate

Aqueous samples:

Calculate the concentration value of the sample directly from the standard curve.

$$\text{mgSO}_4/\text{L} = \frac{\text{absorbance} - \text{y-intercept}}{\text{slope}} \times \text{Dilution Factor}$$

If sample has a background absorbance, it has to be subtracted before calculation.

Alkalinity Analysis

Results

Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-01	Date Collected	: 06/19/25 11:10
Client ID	: MW-4S	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 06/27/25 17:21
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,2320B	Analyst	: MRM
Lab File ID	: 50627-T1A	Instrument ID	: METTLER
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg CaCO3/L			Qualifier
		Results	RL	MDL	
3812-32-6	Alkalinity, Carbonate	ND	2.00	NA	U
71-52-3	Alkalinity, Bicarbonate	37.2	2.00	NA	

Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-02	Date Collected	: 06/19/25 11:05
Client ID	: MW-4D2	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 06/27/25 16:19
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,2320B	Analyst	: MRM
Lab File ID	: 50627-T1A	Instrument ID	: METTLER
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg CaCO3/L			Qualifier
		Results	RL	MDL	
3812-32-6	Alkalinity, Carbonate	ND	2.00	NA	U
71-52-3	Alkalinity, Bicarbonate	26.0	2.00	NA	



Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-03	Date Collected	: 06/19/25 10:00
Client ID	: SCDOH-DR	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 06/27/25 16:21
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,2320B	Analyst	: MRM
Lab File ID	: 50627-T1A	Instrument ID	: METTLER
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg CaCO ₃ /L			Qualifier
		Results	RL	MDL	
3812-32-6	Alkalinity, Carbonate	ND	2.00	NA	U
71-52-3	Alkalinity, Bicarbonate	24.6	2.00	NA	

Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-04	Date Collected	: 06/19/25 08:38
Client ID	: MW-10S	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 06/27/25 16:23
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,2320B	Analyst	: MRM
Lab File ID	: 50627-T1A	Instrument ID	: METTLER
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg CaCO3/L			Qualifier
		Results	RL	MDL	
3812-32-6	Alkalinity, Carbonate	ND	2.00	NA	U
71-52-3	Alkalinity, Bicarbonate	31.5	2.00	NA	

Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-05	Date Collected	: 06/19/25 08:50
Client ID	: MW-10D	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 06/27/25 16:25
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,2320B	Analyst	: MRM
Lab File ID	: 50627-T1A	Instrument ID	: METTLER
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg CaCO ₃ /L			Qualifier
		Results	RL	MDL	
3812-32-6	Alkalinity, Carbonate	ND	2.00	NA	U
71-52-3	Alkalinity, Bicarbonate	42.5	2.00	NA	

Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-06	Date Collected	: 06/19/25 12:00
Client ID	: EQUIPMENT BLANK	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 06/27/25 16:29
Sample Matrix	: Equipment Blank	Dilution Factor	: 1
Analytical Method	: 121,2320B	Analyst	: MRM
Lab File ID	: 50627-T1A	Instrument ID	: METTLER
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg CaCO ₃ /L			Qualifier
		Results	RL	MDL	
3812-32-6	Alkalinity, Carbonate	ND	2.00	NA	U
71-52-3	Alkalinity, Bicarbonate	3.96	2.00	NA	

Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: WG2084493-1	Date Collected	: NA
Client ID	: WG2084493-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 06/27/25 16:13
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,2320B	Analyst	: MRM
Lab File ID	: 50627-T1A	Instrument ID	: METTLER
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg CaCO3/L			Qualifier
		Results	RL	MDL	
3812-32-6	Alkalinity, Carbonate	ND	2.00	NA	U
71-52-3	Alkalinity, Bicarbonate	ND	2.00	NA	U

Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: WG2084493-3	Date Collected	: 06/19/25 11:10
Client ID	: MW-4SDUP	Date Received	: 06/19/25
Sample Location	:	Date Analyzed	: 06/27/25 17:23
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,2320B	Analyst	: MRM
Lab File ID	: 50627-T1A	Instrument ID	: METTLER
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg CaCO3/L			Qualifier
		Results	RL	MDL	
71-52-3	Alkalinity, Bicarbonate	37.9	2.00	NA	
3812-32-6	Alkalinity, Carbonate	ND	2.00	NA	U

Sample Raw Data

Results Editor



Results

Sample ID 1	Sample ID 2	Sample ID 3	Sample ID 4	Sample ID 5	Sample ID 6	Creation time	Sample cycle no	Sample	Sensor type	Standard	Standard	Comment	Temperature [°C]	point 1 (Cal)	lope 1 (Cal)	Standard
						6/27/2025								6.976 pH		-54.46 mV/pH

Results

Sample ID 1	Sample ID 2	Sample ID 3	Sample ID 4	Sample ID 5	Sample ID 6	Creation time	Sample cycle name	Sample	Volume [mL]	Density [g/mL]	Correction factor	Temperature [°C]	Comment	Potential (R1)
--						6/27/2025 7:59:30	S1	1	0 mL	1.0 g/mL	1.0	25.0 °C		7.02 pH

Results Editor



Results

Sample ID 1	Potential (R	Consumption 8.3 (R	Consumption 4.5 (R	Consumption 4.2 (R	Content (RSLK LOW (R	Creation time	Comment	Sample	Volume [mL	Density [g/mL	Correction factor	Concentration	Sample	Sample	Sample	Sample
Rinse,MRM	7.37 pH	NaN mL	0.741 mL	0.782 mL	14.820 m	14.000 m	6/27/2025 3:28:0		S1	1 50 mL	1.0 g/mL	1.0	25.0			
Rinse,MRM	5.94 pH	NaN mL	0.147 mL	0.176 mL	2.940 mg/	2.360 mg/	6/27/2025 3:29:4		S1	2 50 mL	1.0 g/mL	1.0	25.0			
Rinse,MRM	5.45 pH	NaN mL	0.172 mL	0.244 mL	3.440 mg/	2.000 mg/	6/27/2025 3:31:1		S1	3 50 mL	1.0 g/mL	1.0	25.0			
BLANK	5.51 pH	NaN mL	0.150 mL	0.173 mL	3.000 mg/	2.540 mg/	6/27/2025 3:32:3		S1	4 50 mL	1.0 g/mL	1.0	25.0			
LCS	10.81 pH	4.600 mL	5.052 mL	5.171 mL	101.040 m	98.660 m	6/27/2025 3:33:5		S1	5 50 mL	1.0 g/mL	1.0	25.0			
BLANK	5.52 pH	NaN mL	0.126 mL	0.143 mL	2.520 mg/	2.180 mg/	6/27/2025 3:37:2		S1	6 50 mL	1.0 g/mL	1.0	25.0			
LCS	10.96 pH	4.600 mL	5.026 mL	5.152 mL	100.520 m	98.000 m	6/27/2025 3:38:4		S1	7 50 mL	1.0 g/mL	1.0	25.0			
LCS	11.06 pH	4.788 mL	5.130 mL	5.196 mL	102.600 m	101.280 m	6/27/2025 3:49:1		S1	8 50 mL	1.0 g/mL	1.0	25.0			
BLANK	4.69 pH	NaN mL	0.079 mL	0.148 mL	1.580 mg/	0.200 mg/	6/27/2025 3:52:5		S1	9 50 mL	1.0 g/mL	1.0	25.0			
LOQ	7.36 pH	NaN mL	0.210 mL	0.246 mL	4.200 mg/	3.480 mg/	6/27/2025 3:54:1		S1	10 50 mL	1.0 g/mL	1.0	25.0			
LOQ	8.34 pH	0.022 mL	0.204 mL	0.235 mL	4.080 mg/	3.460 mg/	6/27/2025 3:55:4		S1	11 50 mL	1.0 g/mL	1.0	25.0			
LOQ	8.50 pH	0.029 mL	0.192 mL	0.197 mL	3.840 mg/	3.740 mg/	6/27/2025 3:57:1		S1	12 50 mL	1.0 g/mL	1.0	25.0			
LOQ	8.60 pH	0.028 mL	0.230 mL	0.246 mL	4.600 mg/	4.280 mg/	6/27/2025 3:58:4		S1	13 50 mL	1.0 g/mL	1.0	25.0			
LOQ	7.27 pH	NaN mL	0.204 mL	0.244 mL	4.080 mg/	3.280 mg/	6/27/2025 4:00:0		S1	14 50 mL	1.0 g/mL	1.0	25.0			
LOQ	7.10 pH	NaN mL	0.206 mL	0.241 mL	4.120 mg/	3.420 mg/	6/27/2025 4:01:3		S1	15 50 mL	1.0 g/mL	1.0	25.0			
LCS	10.86 pH	4.692 mL	5.069 mL	5.146 mL	101.380 m	99.840 m	6/27/2025 4:10:1		S1	16 50 mL	1.0 g/mL	1.0	25.0			
WG2084493/96-1	4.62 pH	NaN mL	0.054 mL	0.108 mL	1.080 mg/	0.000 mg/	6/27/2025 4:13:4	WG20844	S1	17 50 mL	1.0 g/mL	1.0	25.0			
L2538805-01/2932	6.22 pH	NaN mL	2.032 mL	2.145 mL	40.640 m	38.380 m	6/27/2025 4:15:1	WG20844	S1	18 50 mL	1.0 g/mL	1.0	25.0			
WG2084493/96-3	6.20 pH	NaN mL	1.900 mL	1.979 mL	38.000 m	36.420 m	6/27/2025 4:17:4	WG20844	S1	19 50 mL	1.0 g/mL	1.0	25.0			
L2538805-02	6.23 pH	NaN mL	1.299 mL	1.368 mL	25.980 m	24.600 m	6/27/2025 4:19:5	WG20844	S1	20 50 mL	1.0 g/mL	1.0	25.0			
L2538805-03	5.98 pH	NaN mL	1.230 mL	1.316 mL	24.600 m	22.880 m	6/27/2025 4:21:5	WG20844	S1	21 50 mL	1.0 g/mL	1.0	25.0			
L2538805-04	5.87 pH	NaN mL	1.577 mL	1.658 mL	31.540 m	29.920 m	6/27/2025 4:23:4	WG20844	S1	22 50 mL	1.0 g/mL	1.0	25.0			
L2538805-05	6.67 pH	NaN mL	2.127 mL	2.190 mL	42.540 m	41.280 m	6/27/2025 4:25:4	WG20844	S1	23 50 mL	1.0 g/mL	1.0	25.0			
L2538805-06	5.82 pH	NaN mL	0.199 mL	0.226 mL	3.980 mg/	3.440 mg/	6/27/2025 4:28:0	WG20844	S1	24 50 mL	1.0 g/mL	1.0	25.0			

Results Editor



Sample ID 1	Potential (R	onsumption 8.3 (R	onsumption 4.5 (R	umption 4.2	Content (R5LK LOW (R	Creation time	Comment	cyc	amp	Volume [mL	Density [g/mL	rection fac	oeratur	umple	ple	ple	ple	ple
L2538805-06	5.78 pH	NaN mL	0.302 mL	0.406 mL	6.040 mg/	3.960 mg/	6/27/2025 4:29:2	WG20844	S1	25 50 mL	1.0 g/mL	1.0	25.0					
L2538264-01	6.78 pH	NaN mL	33.821 mL	NaN mL	676.420 m	NaN mg/L	6/27/2025 4:30:5	WG20844	S1	26 50 mL	1.0 g/mL	1.0	25.0					
L2538264-02	6.28 pH	NaN mL	NaN mL	NaN mL	NaN mg/L	NaN mg/L	6/27/2025 4:47:4	WG20844	S1	27 50 mL	1.0 g/mL	1.0	25.0					
L2538264-03	8.47 pH	0.261 mL	NaN mL	NaN mL	NaN mg/L	NaN mg/L	6/27/2025 5:04:3	WG20844	S1	28 50 mL	1.0 g/mL	1.0	25.0					
L2538805-01/2932	6.39 pH	NaN mL	1.858 mL	1.925 mL	37.160 m	35.820 m	6/27/2025 5:21:1	WG20844	S1	29 50 mL	1.0 g/mL	1.0	25.0					
WG2084493/96-3	6.26 pH	NaN mL	1.893 mL	1.954 mL	37.860 m	36.640 m	6/27/2025 5:23:1	WG20844	S1	30 50 mL	1.0 g/mL	1.0	25.0					
L2538264-02 25x	6.35 pH	NaN mL	6.333 mL	7.488 mL	126.660 m	103.560 m	6/27/2025 5:25:3	WG20844	S1	31 50 mL	1.0 g/mL	1.0	25.0					
2538264-03 10x	9.38 pH	0.467 mL	32.602 mL	33.461 mL	652.040 m	634.860 m	6/27/2025 5:30:2	WG20844	S1	32 50 mL	1.0 g/mL	1.0	25.0					
WG2084515-2	11.17 pH	4.625 mL	4.954 mL	4.984 mL	99.080 m	98.480 m	6/27/2025 5:47:0	WG20845	S1	33 50 mL	1.0 g/mL	1.0	25.0					
WG2084515-1	4.61 pH	NaN mL	0.008 mL	0.116 mL	0.160 mg/	-2.000 mg	6/27/2025 5:50:4	WG20845	S1	34 50 mL	1.0 g/mL	1.0	25.0					
L2537860-01	6.82 pH	NaN mL	24.434 mL	24.774 mL	488.680 m	481.880 m	6/27/2025 5:51:5	WG20845	S1	35 50 mL	1.0 g/mL	1.0	25.0					
L2537860-02	7.09 pH	NaN mL	18.475 mL	18.729 mL	369.500 m	364.420 m	6/27/2025 6:04:2	WG20845	S1	36 50 mL	1.0 g/mL	1.0	25.0					
L2537860-03	6.73 pH	NaN mL	11.330 mL	11.505 mL	226.600 m	223.100 m	6/27/2025 6:14:1	WG20845	S1	37 50 mL	1.0 g/mL	1.0	25.0					
L2537860-04	7.26 pH	NaN mL	13.867 mL	14.074 mL	277.340 m	273.200 m	6/27/2025 6:20:4	WG20845	S1	38 50 mL	1.0 g/mL	1.0	25.0					
L2537860-05	6.45 pH	NaN mL	2.002 mL	2.072 mL	40.040 m	38.640 m	6/27/2025 6:28:1	WG20845	S1	39 50 mL	1.0 g/mL	1.0	25.0					
L2537860-06	6.46 pH	NaN mL	5.194 mL	5.308 mL	103.880 m	101.600 m	6/27/2025 6:30:3	WG20845	S1	40 50 mL	1.0 g/mL	1.0	25.0					
L2537860-07	6.62 pH	NaN mL	4.447 mL	4.550 mL	88.940 m	86.880 m	6/27/2025 6:34:1	WG20845	S1	41 50 mL	1.0 g/mL	1.0	25.0					
L2537860-08	6.61 pH	NaN mL	4.302 mL	4.400 mL	86.040 m	84.080 m	6/27/2025 6:37:3	WG20845	S1	42 50 mL	1.0 g/mL	1.0	25.0					
L2537860-09	5.62 pH	NaN mL	0.148 mL	0.167 mL	2.960 mg/	2.580 mg/	6/27/2025 6:40:4	WG20845	S1	43 50 mL	1.0 g/mL	1.0	25.0					
L2537860-09	5.59 pH	NaN mL	0.195 mL	0.223 mL	3.900 mg/	3.340 mg/	6/27/2025 6:42:1	WG20845	S1	44 50 mL	1.0 g/mL	1.0	25.0					
L2537860-11	7.51 pH	NaN mL	7.806 mL	7.930 mL	156.120 m	153.640 m	6/27/2025 6:43:3	WG20845	S1	45 50 mL	1.0 g/mL	1.0	25.0					
L2537860-12	6.93 pH	NaN mL	3.842 mL	3.939 mL	76.840 m	74.900 m	6/27/2025 6:48:4	WG20845	S1	46 50 mL	1.0 g/mL	1.0	25.0					
L2537860-13	6.94 pH	NaN mL	3.813 mL	3.916 mL	76.260 m	74.200 m	6/27/2025 6:51:4	WG20845	S1	47 50 mL	1.0 g/mL	1.0	25.0					
L2538018-01	7.74 pH	NaN mL	6.603 mL	6.718 mL	132.060 m	129.760 m	6/27/2025 6:54:5	WG20845	S1	48 50 mL	1.0 g/mL	1.0	25.0					
WG2084515-3	7.75 pH	NaN mL	6.834 mL	6.952 mL	136.680 m	134.320 m	6/27/2025 6:59:1	WG20845	S1	49 50 mL	1.0 g/mL	1.0	25.0					
WG2084515-4	9.67 pH	3.494 mL	9.738 mL	11.610 mL	194.760 m	157.320 m	6/27/2025 7:03:3	WG20845	S1	50 50 mL	1.0 g/mL	1.0	25.0					

Results Editor



Sample ID 1	Potential (R	onsumption 8.3 (R	onsumption 4.5 (R	umption 4.2	Content (R5LK LOW (R	Creation time	Comment	cyc	amp	volume [mL	ensity [g/mL	rrrection fac	oeratur	umple	ple	ple	ple	ple
L2538018-02	6.64 pH	NaN mL	20.319 mL	20.680 mL	406.380 m	399.160 m	6/27/2025 7:20:5	WG20845	S1	51 50 mL	1.0 g/mL	1.0	25.0					
L2538018-03	7.89 pH	NaN mL	6.702 mL	6.808 mL	134.040 m	131.920 m	6/27/2025 7:35:3	WG20845	S1	52 50 mL	1.0 g/mL	1.0	25.0					
L2538018-04	4.56 pH	NaN mL	0.088 mL	0.260 mL	1.760 mg/	-1.680 mg	6/27/2025 7:39:5	WG20845	S1	53 50 mL	1.0 g/mL	1.0	25.0					
L2538018-05	7.88 pH	NaN mL	7.384 mL	7.502 mL	147.680 m	145.320 m	6/27/2025 7:41:2	WG20845	S1	54 50 mL	1.0 g/mL	1.0	25.0					
L2538018-06	7.02 pH	NaN mL	1.935 mL	1.994 mL	38.700 m	37.520 m	6/27/2025 7:46:1	WG20845	S1	55 50 mL	1.0 g/mL	1.0	25.0					
L2538018-07	4.59 pH	NaN mL	0.098 mL	0.234 mL	1.960 mg/	-0.760 mg	6/27/2025 7:48:2	WG20845	S1	56 50 mL	1.0 g/mL	1.0	25.0					
CCV	10.98 pH	4.220 mL	4.916 mL	4.986 mL	98.320 m	96.920 m	6/27/2025 7:49:5		S1	57 50 mL	1.0 g/mL	1.0	25.0					
CCB	4.54 pH	NaN mL	0.000 mL	0.112 mL	0.000 mg/	-2.240 mg	6/27/2025 7:53:2		S1	58 50 mL	1.0 g/mL	1.0	25.0					
CCV	11.07 pH	4.348 mL	4.923 mL	4.986 mL	98.460 m	97.200 m	6/27/2025 7:54:3		S1	59 50 mL	1.0 g/mL	1.0	25.0					
CCB	4.36 pH	NaN mL	NaN mL	0.074 mL	NaN mg/L	NaN mg/L	6/27/2025 7:58:0		S1	60 50 mL	1.0 g/mL	1.0	25.0					

Quality Control

Form 6 Lab Duplicates

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Client Sample ID	: MW-4S	Matrix	: WATER
Lab Sample ID	: L2538805-01	Analysis Date	: 06/27/25 17:21
Dup Sample ID	: WG2084493-3	DUP Analysis Date	: 06/27/25 17:23

Parameter	Sample Concentration (mg CaCO ₃ /L)	Duplicate Concentration (mg CaCO ₃ /L)	RPD	RPD Limit
Alkalinity, Carbonate	ND	ND	NC	10
Alkalinity, Bicarbonate	37.2	37.9	2	9



Date Created: 11/11/21
Created By: Jason Hebert
File: PM11467-1
Page: 1

WETCHEM (WATER)

[illegible]

Please Note that the RL Information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the Information provided in this table is subject to change at anytime at the discretion of the laboratory.

Calculations of Alkalinity

$$\text{Alkalinity, mg CaCO}_3/\text{L} = \frac{A \times N \times 50,000}{\text{mL Sample}}$$

Where:

A = mL of the standard acid titrated

N = normality of the standard acid

Results are calculated using Mettler Toledo software.

Standard sample size is 50mL, 0.02N Sulfuric acid for titration

Sequence Logs

CAL	250627	LCS	7.02 INT:
pH 4	3484	Titrant:	4298 MRM
pH 7	3386	LCS:	3530
pH 10	3482	MS:	3529
LCS	3523		

- 1 Rinse,MRM
- 2 Rinse,MRM
- 3 Rinse,MRM
- 4 BLANK
- 5 LCS
- 6 BLANK
- 7 LCS
- 8 LCS
- 9 BLANK
- 10 LOQ
- 11 LOQ
- 12 LOQ
- 13 LOQ
- 14 LOQ
- 15 LOQ
- 16 LCS
- 17 WG2084493/96-1
- 18 L2538805-01/29328-13
- 19 WG2084493/96-3
- 20 L2538805-02
- 21 L2538805-03
- 22 L2538805-04
- 23 L2538805-05
- 24 L2538805-06
- 25 L2538805-06
- 26 L2538264-01
- 27 L2538264-02
- 28 L2538264-03
- 29 L2538805-01/29328-13
- 30 WG2084493/96-3
- 31 L2538264-02 25x
- 32 2538264-03 10x
- 33 WG2084515-2
- 34 WG2084515-1
- 35 L2537860-01
- 36 L2537860-02
- 37 L2537860-03
- 38 L2537860-04
- 39 L2537860-05
- 40 L2537860-06
- 41 L2537860-07

42 L2537860-08
43 L2537860-09
44 L2537860-09
45 L2537860-11
46 L2537860-12
47 L2537860-13
48 L2538018-01
49 WG2084515-3
50 WG2084515-4
51 L2538018-02
52 L2538018-03
53 L2538018-04
54 L2538018-05
55 L2538018-06
56 L2538018-07
57 CCV
58 CCB
59 CCV
60 CCB

Chloride Analysis

Results

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-01	Date Collected	: 06/19/25 11:10
Client ID	: MW-4S	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 06/27/25 14:47
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500CL-E	Analyst	: JER
Lab File ID	: CL250627-A1	Instrument ID	: LACHAT3
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16887-00-6	Chloride	31.	1.0	0.89	

Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-02	Date Collected	: 06/19/25 11:05
Client ID	: MW-4D2	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 06/27/25 16:13
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500CL-E	Analyst	: JER
Lab File ID	: CL250627-A1	Instrument ID	: LACHAT3
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16887-00-6	Chloride	9.8	1.0	0.89	

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-03	Date Collected	: 06/19/25 10:00
Client ID	: SCDOH-DR	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 06/27/25 15:05
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500CL-E	Analyst	: JER
Lab File ID	: CL250627-A1	Instrument ID	: LACHAT3
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16887-00-6	Chloride	40.	1.0	0.89	

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-04	Date Collected	: 06/19/25 08:38
Client ID	: MW-10S	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 06/27/25 15:06
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500CL-E	Analyst	: JER
Lab File ID	: CL250627-A1	Instrument ID	: LACHAT3
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16887-00-6	Chloride	5.3	1.0	0.89	

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-05	Date Collected	: 06/19/25 08:50
Client ID	: MW-10D	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 06/27/25 15:06
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500CL-E	Analyst	: JER
Lab File ID	: CL250627-A1	Instrument ID	: LACHAT3
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16887-00-6	Chloride	6.8	1.0	0.89	

Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-06	Date Collected	: 06/19/25 12:00
Client ID	: EQUIPMENT BLANK	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 06/27/25 15:07
Sample Matrix	: Equipment Blank	Dilution Factor	: 1
Analytical Method	: 121,4500CL-E	Analyst	: JER
Lab File ID	: CL250627-A1	Instrument ID	: LACHAT3
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16887-00-6	Chloride	ND	1.0	0.89	U

Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: WG2084376-1	Date Collected	: NA
Client ID	: WG2084376-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 06/27/25 13:37
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500CL-E	Analyst	: JER
Lab File ID	: CL250627-A1	Instrument ID	: LACHAT3
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16887-00-6	Chloride	ND	1.0	0.89	U

Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: WG2084376-3	Date Collected	: 06/19/25 11:10
Client ID	: MW-4SDUP	Date Received	: 06/19/25
Sample Location	:	Date Analyzed	: 06/27/25 14:48
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500CL-E	Analyst	: JER
Lab File ID	: CL250627-A1	Instrument ID	: LACHAT3
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16887-00-6	Chloride	32.	1.0	0.89	

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: WG2084379-1	Date Collected	: NA
Client ID	: WG2084379-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 06/27/25 13:40
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500CL-E	Analyst	: JER
Lab File ID	: CL250627-A1	Instrument ID	: LACHAT3
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16887-00-6	Chloride	ND	1.0	0.89	U

Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: WG2084379-3	Date Collected	: 06/18/25 10:48
Client ID	: WG2084379-3 DUP	Date Received	: 06/18/25
Sample Location	:	Date Analyzed	: 06/27/25 16:06
Sample Matrix	: WATER	Dilution Factor	: 100
Analytical Method	: 121,4500CL-E	Analyst	: JER
Lab File ID	: CL250627-A1	Instrument ID	: LACHAT3
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16887-00-6	Chloride	1200	100	89.	

Sample Raw Data

Author:

Date : 6/27/2025

Original Run Filename: OM_6-27-2025_01-13-35PM.OMN Created: 6/27/2025 1:13:35 PM

Original Run Author's Signature: [a1wetcheminstrument]

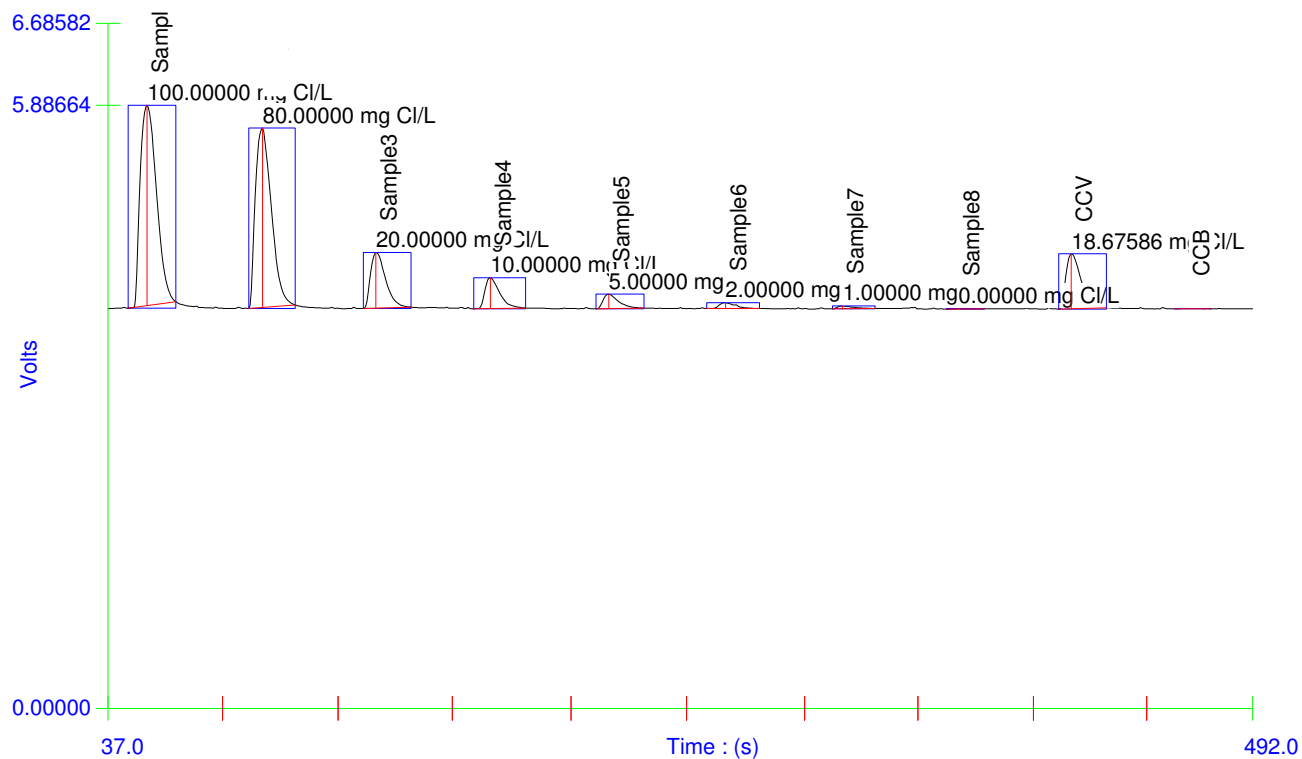
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Current Run Author's Signature: [a1wetcheminstrument]

Description: Default New Run

Sample	Rep.	Cup No.	Channel 1 Chloride- CH3 (mg Cl/L)	ADF	MDF	Weight
Sample1	1	S1	100.00000			
Sample2	1	S2	80.00000			
Sample3	1	S3	20.00000			
Sample4	1	S4	10.00000			
Sample5	1	S5	5.00000			
Sample6	1	S6	2.00000			
Sample7	1	S7	1.00000			
Sample8	1	S9	0.00000			
CCV	1	S3	18.67586			
Known Conc:			20.00000			
Calibration:			Table/Fig. : 1			
CCB	1	S9	0.47652			
Known Conc:			0.00000			
ICV 5	1	1	4.72316			
ICV 30	1	2	28.33887			
ICV 80	1	3	81.35351			
ICB	1	4	1.21986			

Channel 1 (Chloride) - Set: 1 / 2



Author:

Date : 6/27/2025

Channel 1 (Chloride) - Set: 2 / 2

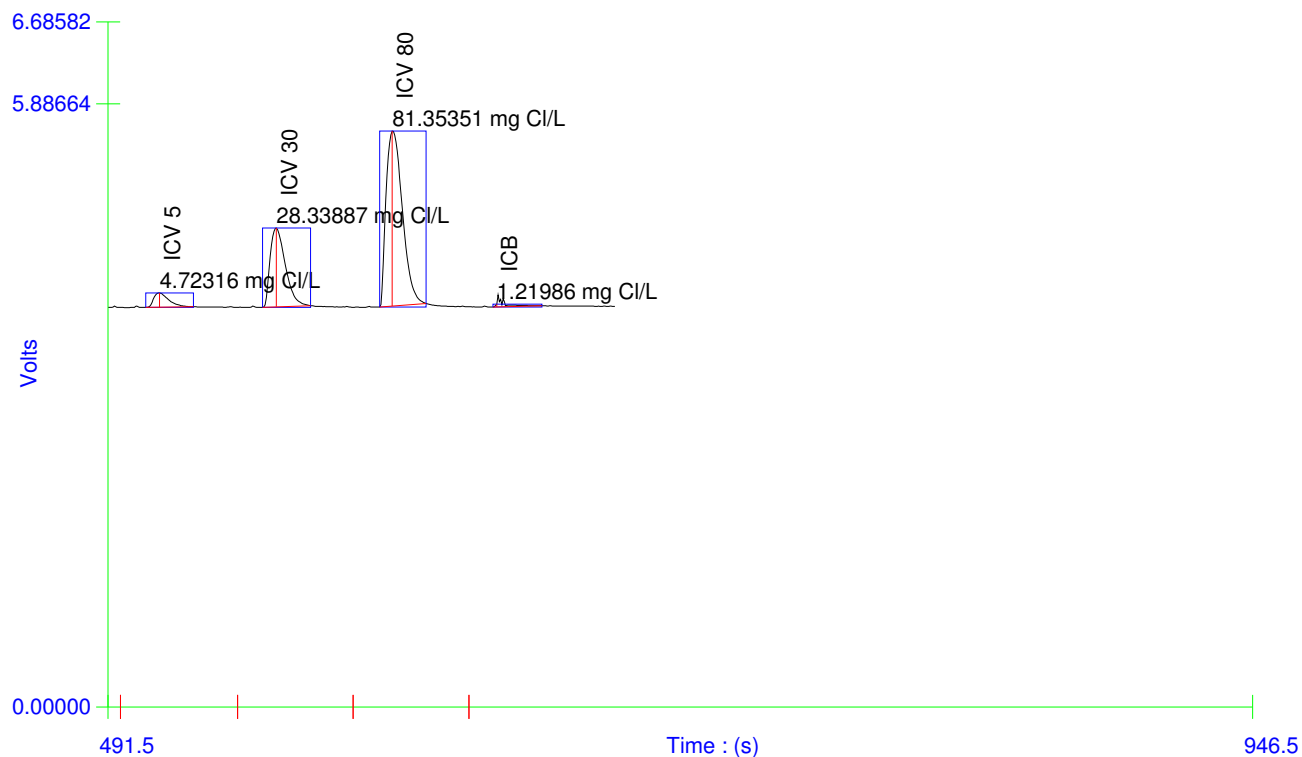
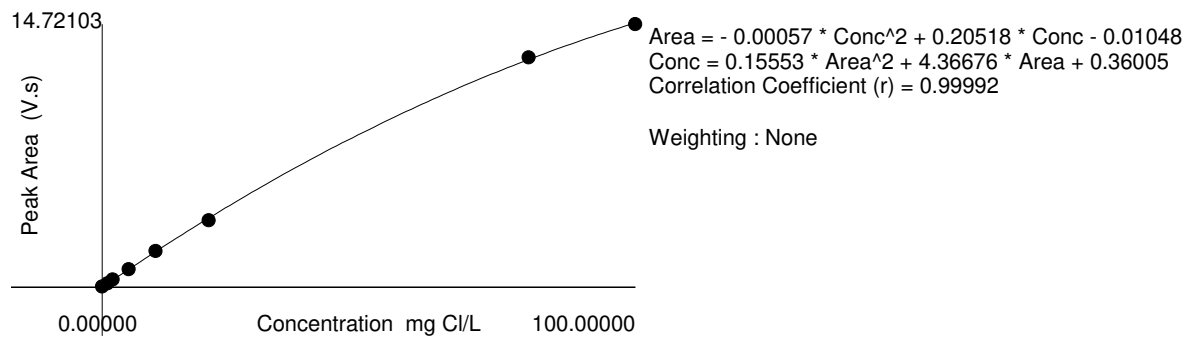


Table : 1 (Chloride-CH3)

	Known Conc. (mg Cl/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg Cl/L)	Detection Date	Detection Time
1	100.00000	1	14.72103	1.95549	0.0	0.5	98.34753	6/27/2025	1:14:26 PM
2	80.00000	1	12.86384	1.74892	0.0	-0.9	82.26991	6/27/2025	1:15:11 PM
3	20.00000	1	3.72980	0.54186	0.0	3.5	18.81079	6/27/2025	1:15:58 PM
4	10.00000	1	2.01485	0.29986	0.0	-1.5	9.78981	6/27/2025	1:16:43 PM
5	5.00000	1	0.98941	0.14159	0.0	1.2	4.83281	6/27/2025	1:17:30 PM
6	2.00000	1	0.41631	0.05680	0.0	-4.7	2.20493	6/27/2025	1:18:17 PM
7	1.00000	1	0.20196	0.02728	0.0	-4.0	1.24828	6/27/2025	1:19:04 PM
8	0.00000	1	0.03109	0.00439			0.49594	6/27/2025	1:19:49 PM

Figure : 1 (Chloride-CH3)



Author:

Date : 6/27/2025

Original Run Filename: OM_6-27-2025_01-26-12PM.OMN Created: 6/27/2025 1:26:12 PM

Original Run Author's Signature: [a1wetcheminstrument]

Current Run Filename: OM_6-27-2025_01-26-12PM.OMN Last Modified: 6/27/2025 4:17:59 PM

Current Run Author's Signature: [a1wetcheminstrument]

Description: Default New Run

Sample	Rep.	Cup No.	Channel 1 Chloride- CH3 (mg Cl/L)	ADF	MDF	Weight
CCV	1	S3	18.36185			
	Known Conc:		20.00000			
CCB	1	S9	0.48881			
	Known Conc:		0.00000			
	Calibration:		Table/Fig. : 1			
ICV 5	1	1	4.66965			93%
ICV 30	1	2	29.10150			97%
ICV 80	1	3	81.92560			102%
ICB	1	4	0.48528			
100 PPM	1	5	99.45528	10.00		99%
WG2084372-1	1	6	0.43355			
WG2084372-2	1	7	27.39174			91%
WG2084374-1	1	8	0.58094			
WG2084374-2	1	9	27.01237			90%
WG2084376-1	1	10	0.68131			
CCV	1	S3	18.56677			
	Known Conc:		20.00000			
CCB	1	S9	0.51255			
	Known Conc:		0.00000			
WG2084376-2	1	11	27.89517			93%
WG2084379/80-1	1	12	0.45368			
WG2084379/80-2	1	13	27.24010			91%
L2537561-02	1	14	140.41005			
WG2084372-3	1	15	147.48651			
WG2084372-4	1	16	151.06886			
L2537561-06	1	17	162.85556			
L2537561-28	1	18	163.68311			
L2537561-31	1	19	0.77278			
L2537648-03	1	20	54.20672	10.00		
CCV	1	S3	18.64433			
	Known Conc:		20.00000			
CCB	1	S9	0.26172			
	Known Conc:		0.00000			
L2537648-06	1	21	30.06591			
L2537648-09	1	22	28.95581			
L2537648-12	1	23	29.00868			
L2537648-15	1	24	0.50900			
L2537648-18	1	25	26.60538			
L2537648-21	1	26	31.69296			
L2537648-24	1	27	147.25540			
L2537649-03	1	28	47.42064			
L2537649-06	1	29	22.83129			
L2537649-09	1	30	27.93103	10.00		
CCV	1	S3	18.53964			
	Known Conc:		20.00000			
CCB	1	S9	0.53564			
	Known Conc:		0.00000			
L2537649-12	1	31	28.99104			
L2537649-15	1	32	0.55029			
L2537649-18	1	33	44.42639			
L2537649-21	1	34	30.30609			
L2537649-24	1	35	67.40340			
L2537649-27	1	36	123.90317			
L2537651-03	1	37	46.20753			
WG2084374-3	1	38	46.17883			
WG2084374-4	1	39	63.90152			
L2537651-06	1	40	19.62076	10.00		
CCV	1	S3	18.39926			

	Known Conc:	20.00000			
CCB	1	S9	0.31612		
	Known Conc:	0.00000			
L2537651-09	1	41	64.92774		
L2537651-12	1	42	64.73029		
L2537651-15	1	43	0.63696		
L2537651-18	1	44	62.38939		
L2537651-21	1	45	196.96664		
L2537651-24	1	46	76.62246		
L2537657-01	1	47	22.09048		
L2537657-03	1	48	21.44279		
L2537657-05	1	49	0.54617		
L2537657-07	1	50	21.95015	10.00	
CCV	1	S3	17.97184		
	Known Conc:	20.00000			
CCB	1	S9	0.73790		
	Known Conc:	0.00000			
L2537657-09	1	51	36.03595		
L2537657-11	1	52	62.99936		
L2537660-01	1	53	16.18946		
L2537660-03	1	54	15.70843		
L2537660-05	1	55	0.62448		
L2537660-07	1	56	54.44165		
L2537660-09	1	57	26.32695		
L2537660-11	1	58	77.51431		
L2537660-13	1	59	50.20829		
L2537663-01	1	60	26.16916	10.00	
CCV	1	S3	18.44785		
	Known Conc:	20.00000			
CCB	1	S9	0.55138		
	Known Conc:	0.00000			
L2537663-03	1	61	41.66924		
L2537663-05	1	62	45.17171		
L2537663-07	1	63	72.32986		
L2537663-09	1	64	97.51767		
L2537663-11	1	65	97.74129		
L2537663-13	1	66	0.66474		
L2537663-15	1	67	171.20761		
L2537667-01	1	68	78.08882		
L2537667-03	1	69	20.36195		
L2537667-05	1	70	68.98100	10.00	
CCV	1	S3	18.46053		
	Known Conc:	20.00000			
CCB	1	S9	0.49242		
	Known Conc:	0.00000			
L2537667-07	1	71	19.86708		
L2537667-09	1	72	19.98897		
L2537667-11	1	73	0.48513		
L2537667-13	1	74	126.72560		
L2537667-15	1	75	137.91467		
L2537667-17	1	76	16.92408		
L2538805-01	1	77	31.26602		
WG2084376-3	1	78	31.72569		
WG2084376-4	1	79	49.88367		
L2538019-01	1	80	10.84208	10.00	
CCV	1	S3	18.58993		
	Known Conc:	20.00000			
CCB	1	S9	0.51303		
	Known Conc:	0.00000			
L2538019-02	1	81	6.68655		
L2538019-03	1	82	25.74905		
L2538019-04	1	83	16.03372		
L2538019-05	1	84	31.87222		
L2538389-02	1	85	420.62930		
WG2084379-3	1	86	416.29214		
WG2084379-4	1	87	389.20364		
L2538389-03	1	88	9.27324		
L2538389-04	1	89	8.99903		

Author:

Date : 6/27/2025

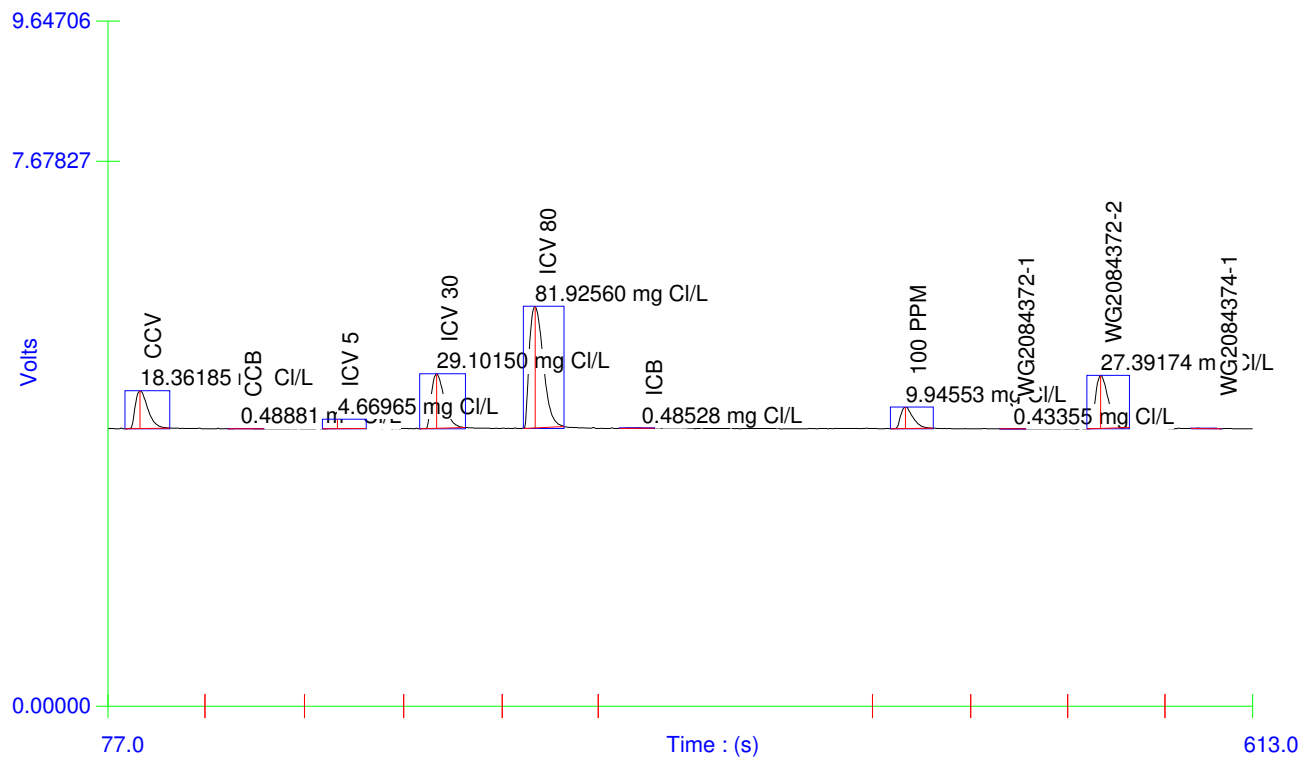
L2538389-05	1	90	7.30604	10.00		
CCV	1	S3	18.46801			
	Known Conc:		20.00000			
CCB	1	S9	0.53482			
	Known Conc:		0.00000			
L2538389-06	1	91	148.63016			
L2538805-02	1	92	10.20611			
L2538805-03	1	93	39.70208			
L2538805-04	1	94	5.30755			
L2538805-05	1	95	6.75416			
L2538805-06	1	96	0.49144			
L2537576-01	1	97	8.54817			
WG2084380-3	1	98	8.50627			
WG2084380-4	1	99	28.42638			
L2537576-02	1	100	11.75091	10.00		
CCV	1	S3	19.30563			
	Known Conc:		20.00000			
CCB	1	S9	0.60217			
	Known Conc:		0.00000			
L2538264-01	1	101	487.40237	10.00		
L2538264-02	1	102	90.10564	10.00		
L2538264-03	1	103	32.53502	10.00		
L2537561-02	1	14	163.64783	10.00		
WG2084372-3	1	15	161.06744	10.00		
WG2084372-4	1	16	174.33795	10.00		
L2537561-06	1	17	191.31424	10.00		
L2537561-28	1	18	182.81320	10.00		
L2537561-31	1	19	0.56202			
L2537648-03	1	20	57.81118			
CCV	1	S3	18.60026			
	Known Conc:		20.00000			
CCB	1	S9	0.59570			
	Known Conc:		0.00000			
L2537648-24	1	27	169.29475	10.00		
L2537649-03	1	28	46.83747			
L2537649-09	1	30	28.91024			
L2537649-27	1	36	136.10025	10.00		
L2537651-03	1	37	44.19951			
L2537651-06	1	40	16.62464			
L2537651-21	1	45	247.49716	10.00		
L2537651-24	1	46	75.24497			
L2537657-07	1	50	20.85057			
L2537663-01	1	60	28.57825			
CCV	1	S3	18.08045			
	Known Conc:		20.00000			
CCB	1	S9	0.56605			
	Known Conc:		0.00000			
L2537663-09	1	64	93.60175	10.00		
L2537663-15	1	67	204.28860	10.00		
L2537663-11	1	65	93.96628	10.00		
L2537663-13	1	66	0.57847			
L2537667-01	1	68	77.41700			
L2537667-05	1	70	74.49256			
L2537667-13	1	74	137.45248	10.00		
L2537667-15	1	75	151.55966	10.00		
L2537667-17	1	76	16.72931			
L2538019-01	1	80	7.77765			
CCV	1	S3	18.88377			
	Known Conc:		20.00000			
CCB	1	S9	0.50682			
	Known Conc:		0.00000			
L2538389-02	1	85	1291.11499	100.00		
WG2084379-3	1	86	1197.06799	100.00		
WG2084379-4	1	87	1205.56567	100.00		
L2538389-03	1	88	4.75956			
L2538389-05	1	90	2.15791			
L2538389-06	1	91	171.57596	10.00		
L2538805-02	1	92	9.82277			

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L2537576-02	1	100	6.50744			
L2538264-03	1	103	36.24061			
CCV	1	S3	18.51050			
Known Conc:			20.00000			
CCB	1	S9	0.65011			
Known Conc:			0.00000			

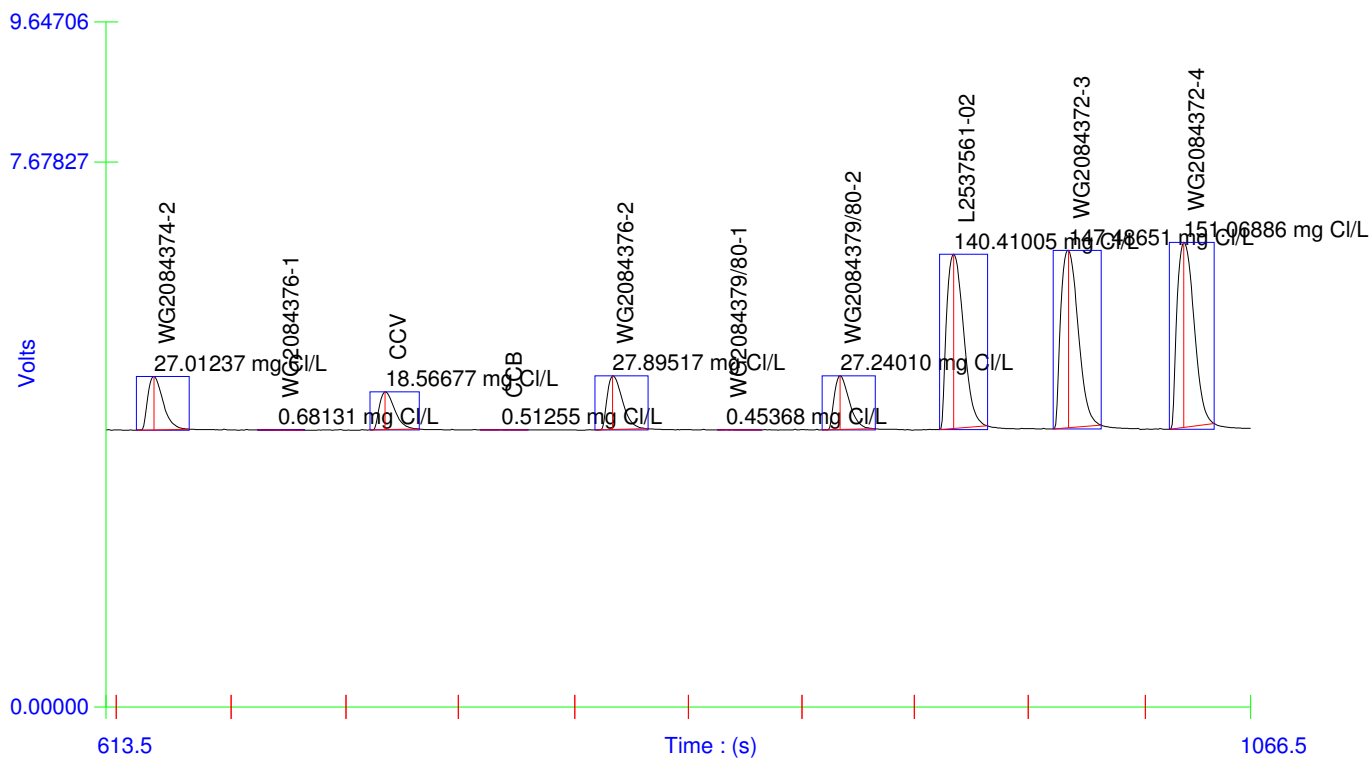
Channel 1 (Chloride) - Set: 1 / 17



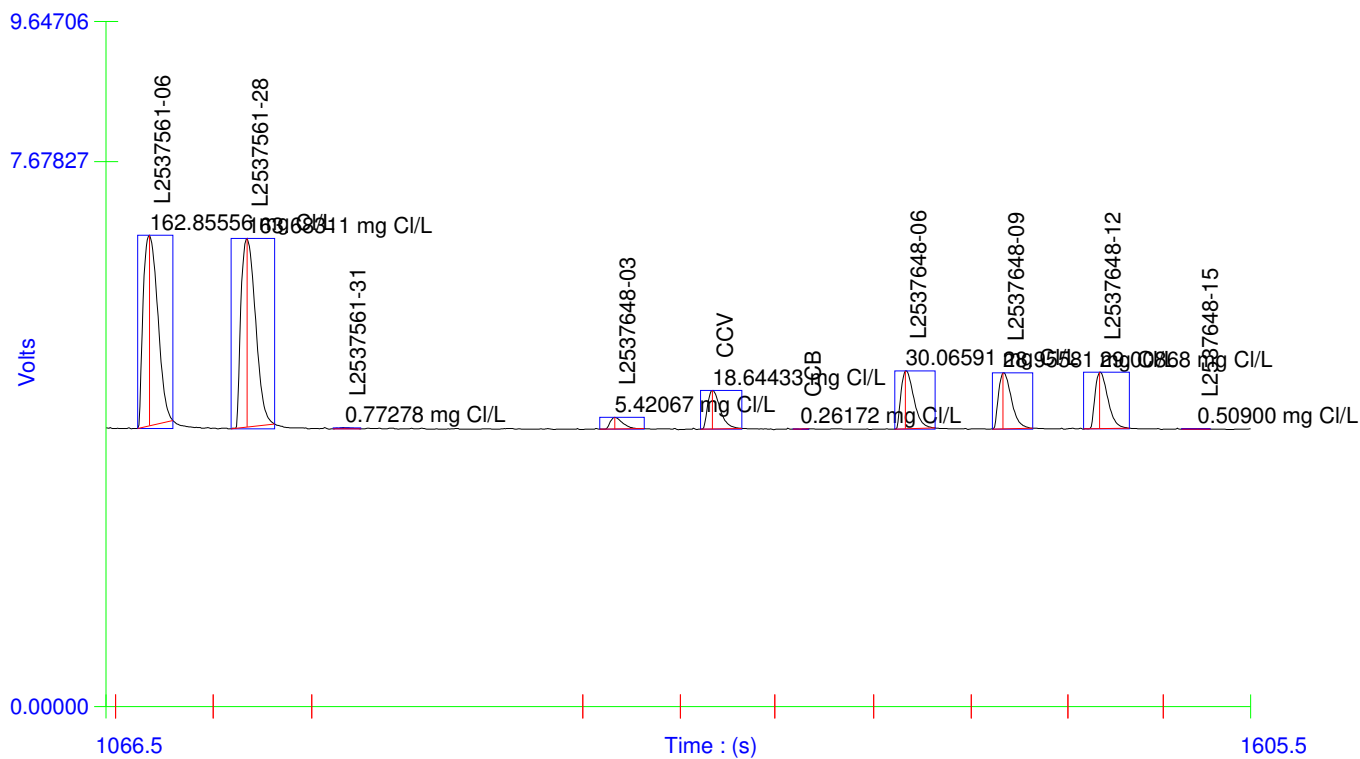
Author:

Date : 6/27/2025

Channel 1 (Chloride) - Set: 2 / 17



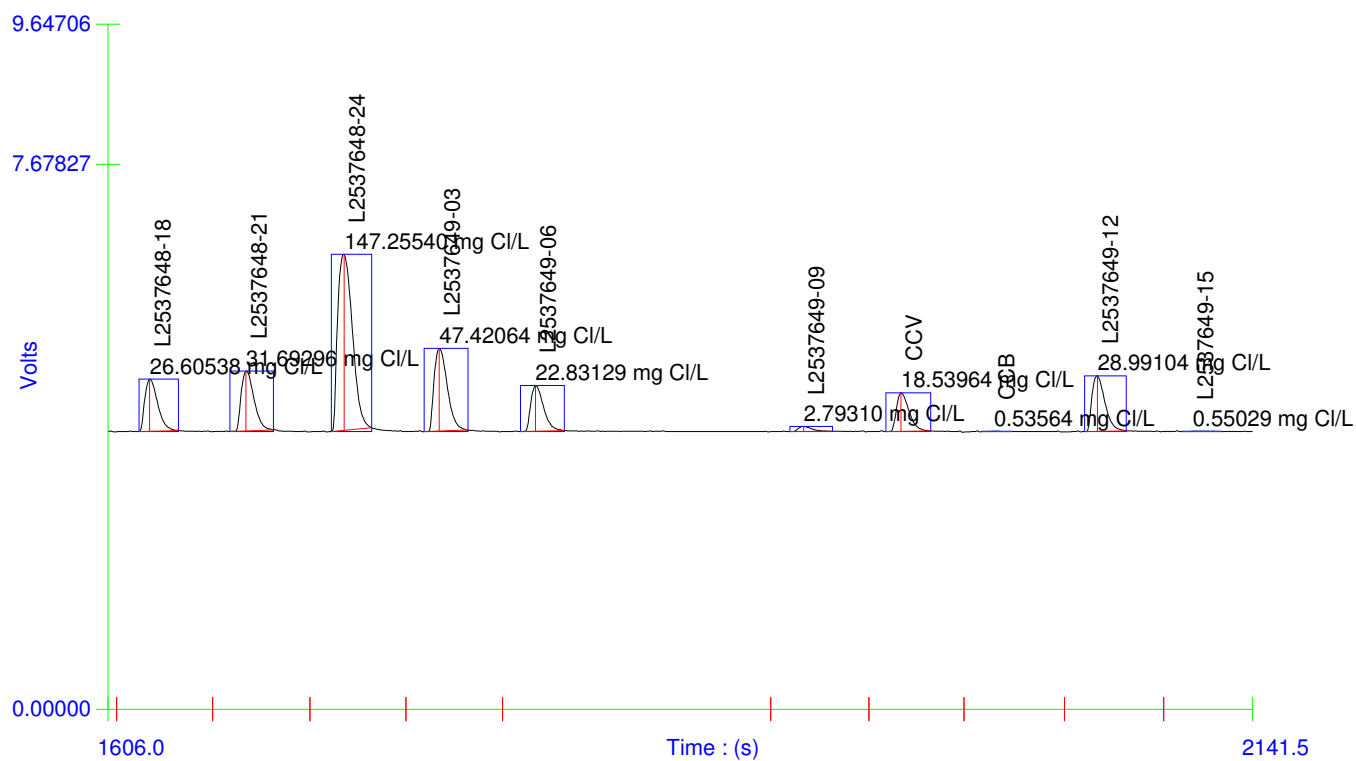
Channel 1 (Chloride) - Set: 3 / 17



Author:

Date : 6/27/2025

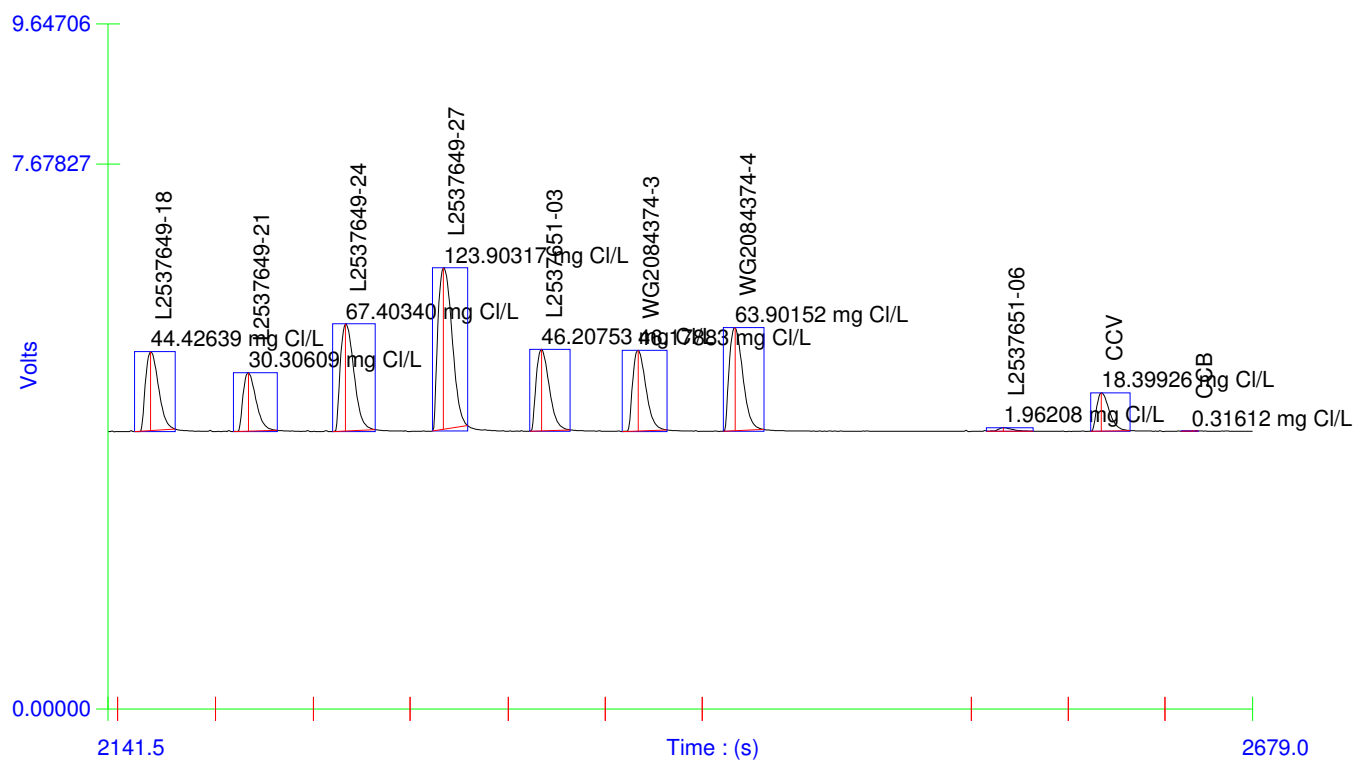
Channel 1 (Chloride) - Set: 4 / 17



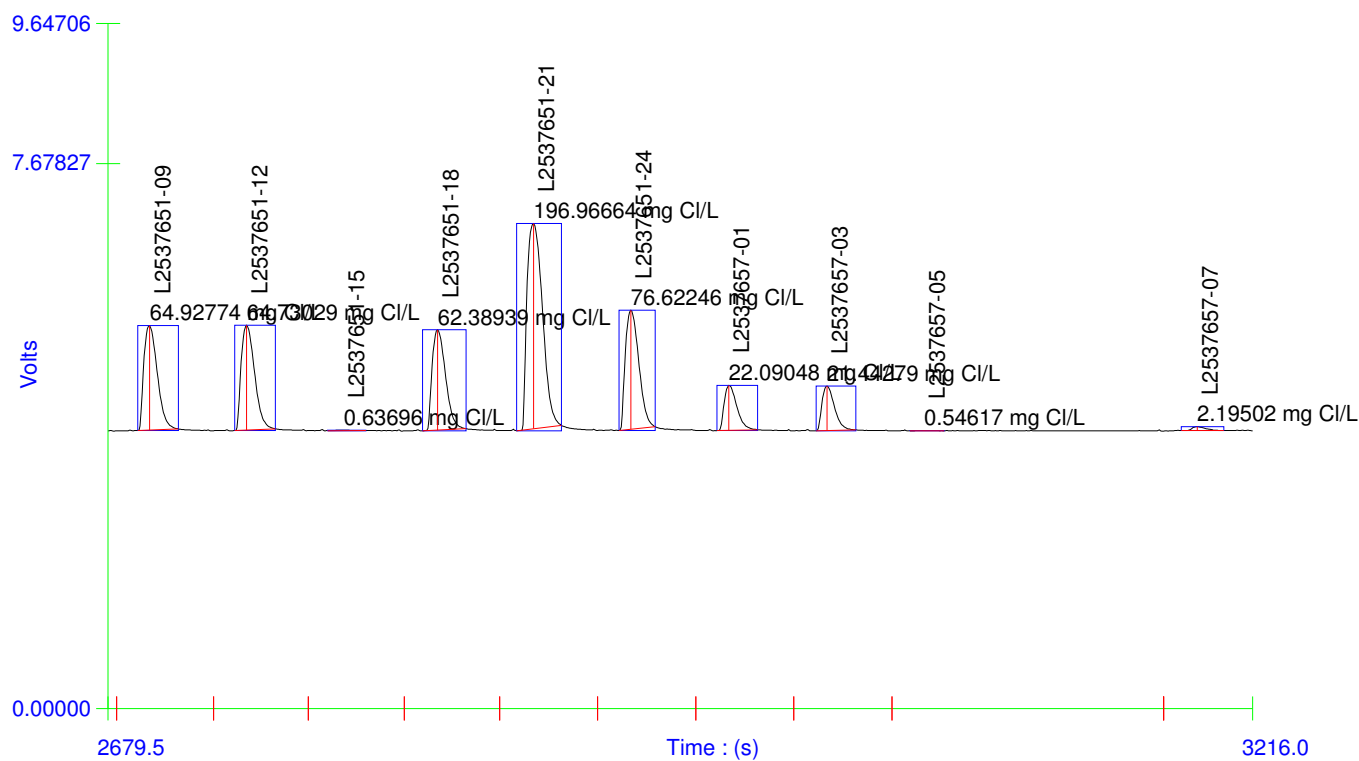
Author:

Date : 6/27/2025

Channel 1 (Chloride) - Set: 5 / 17



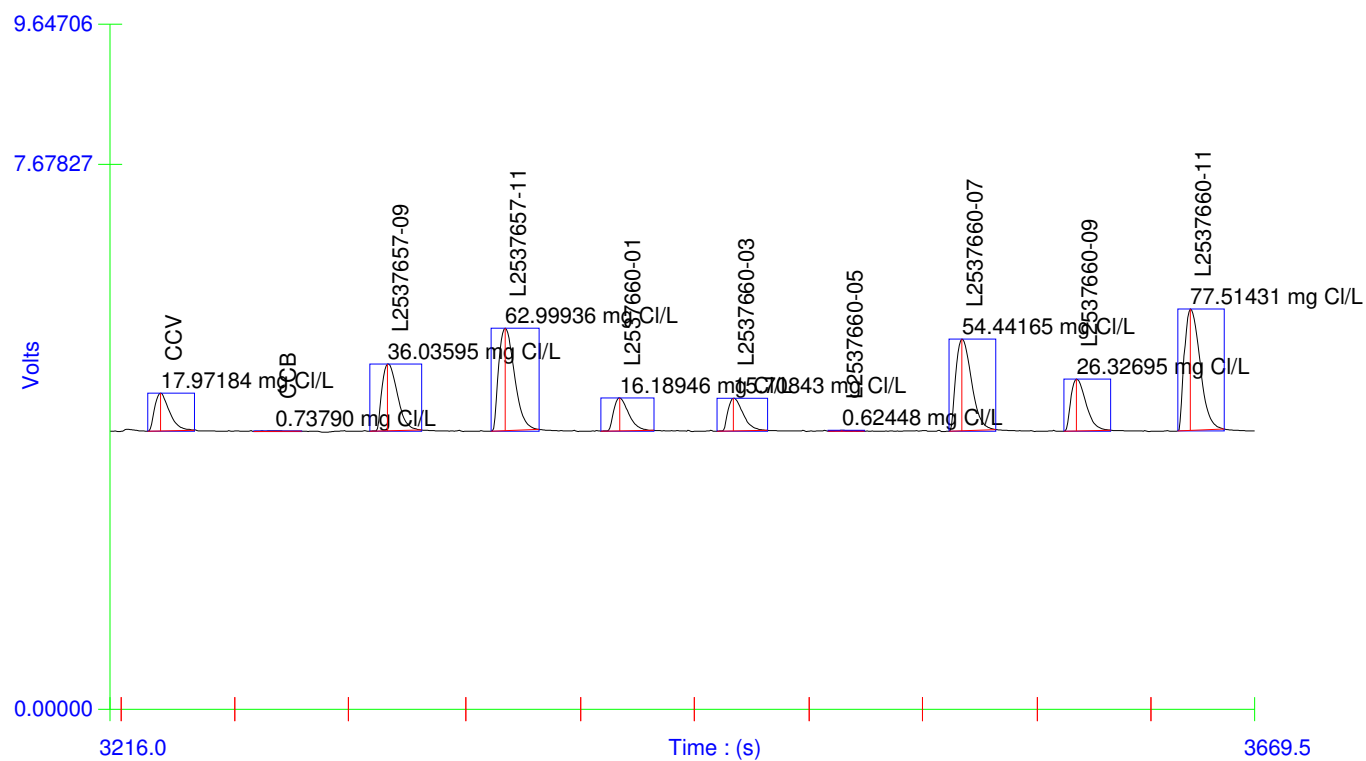
Channel 1 (Chloride) - Set: 6 / 17



Author:

Date : 6/27/2025

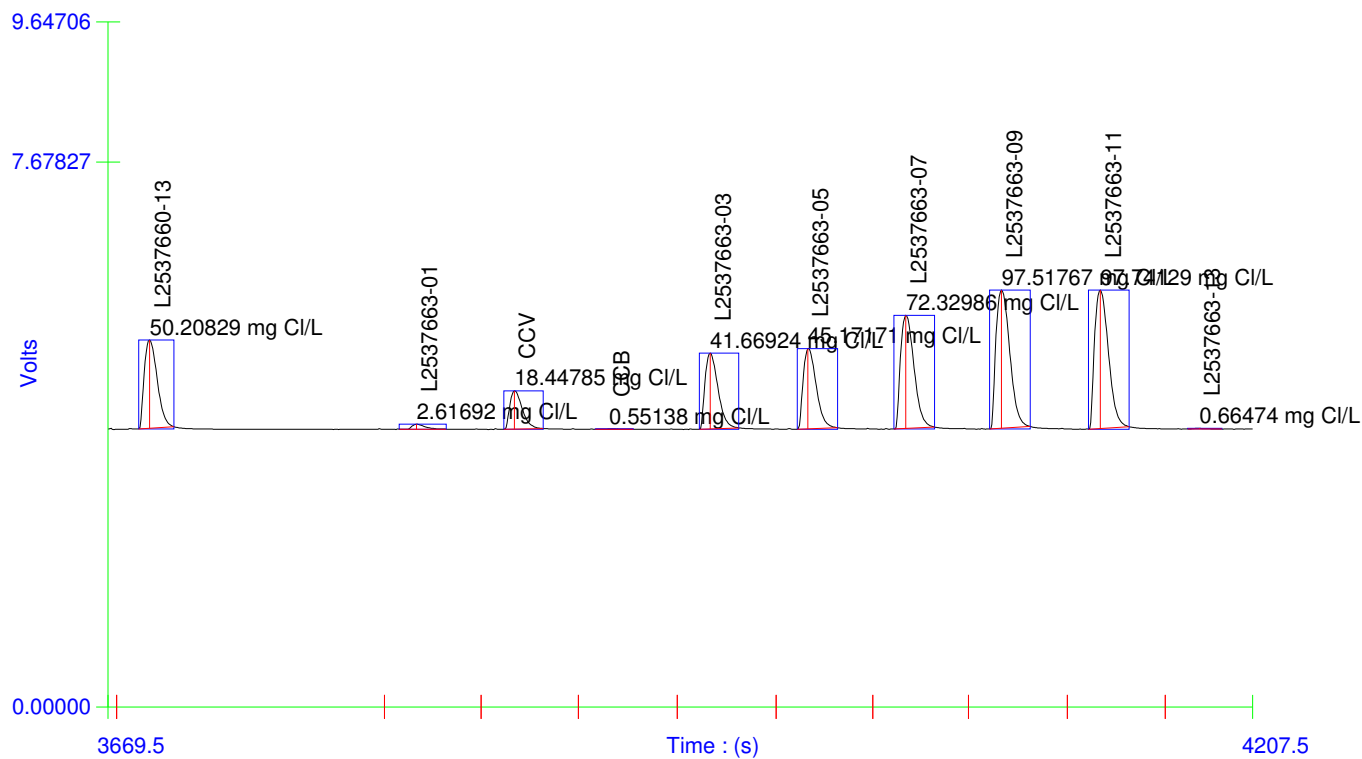
Channel 1 (Chloride) - Set: 7 / 17



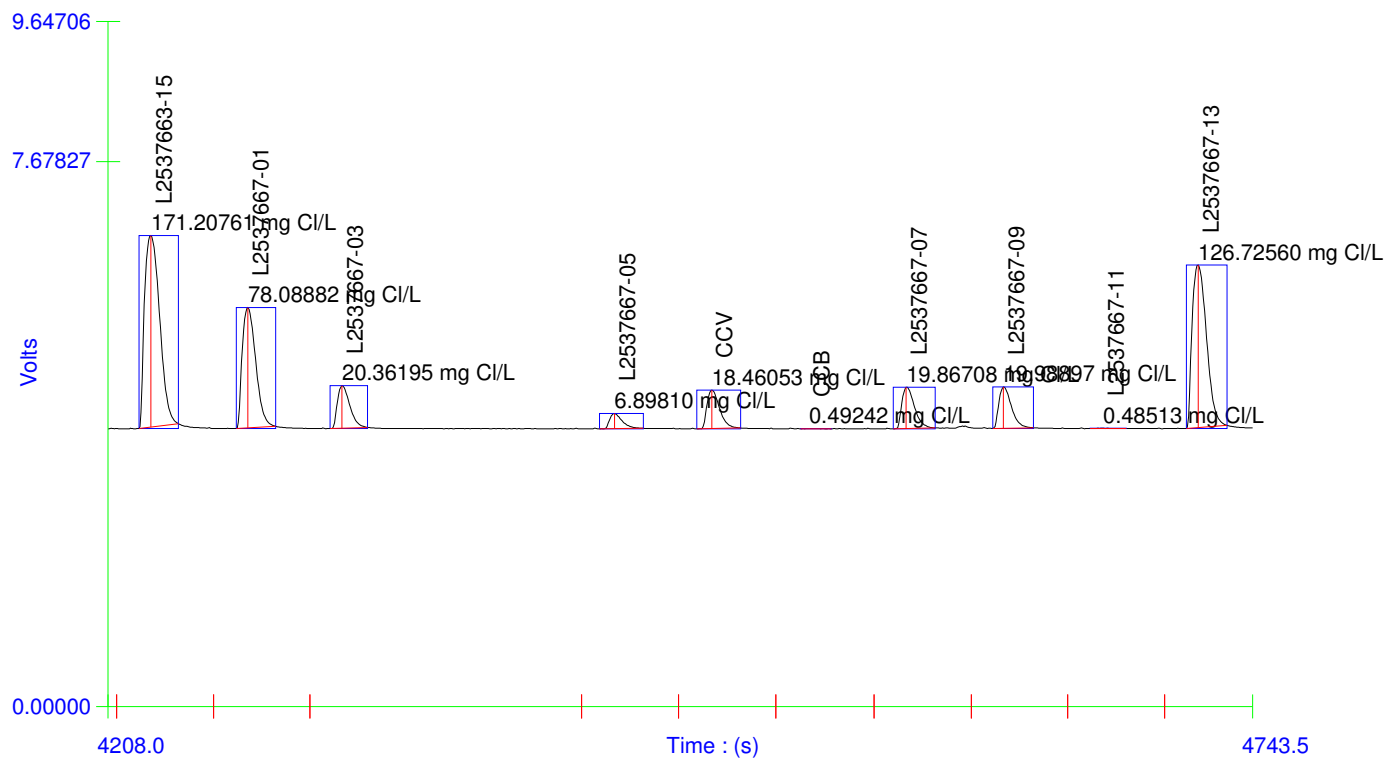
Author:

Date : 6/27/2025

Channel 1 (Chloride) - Set: 8 / 17



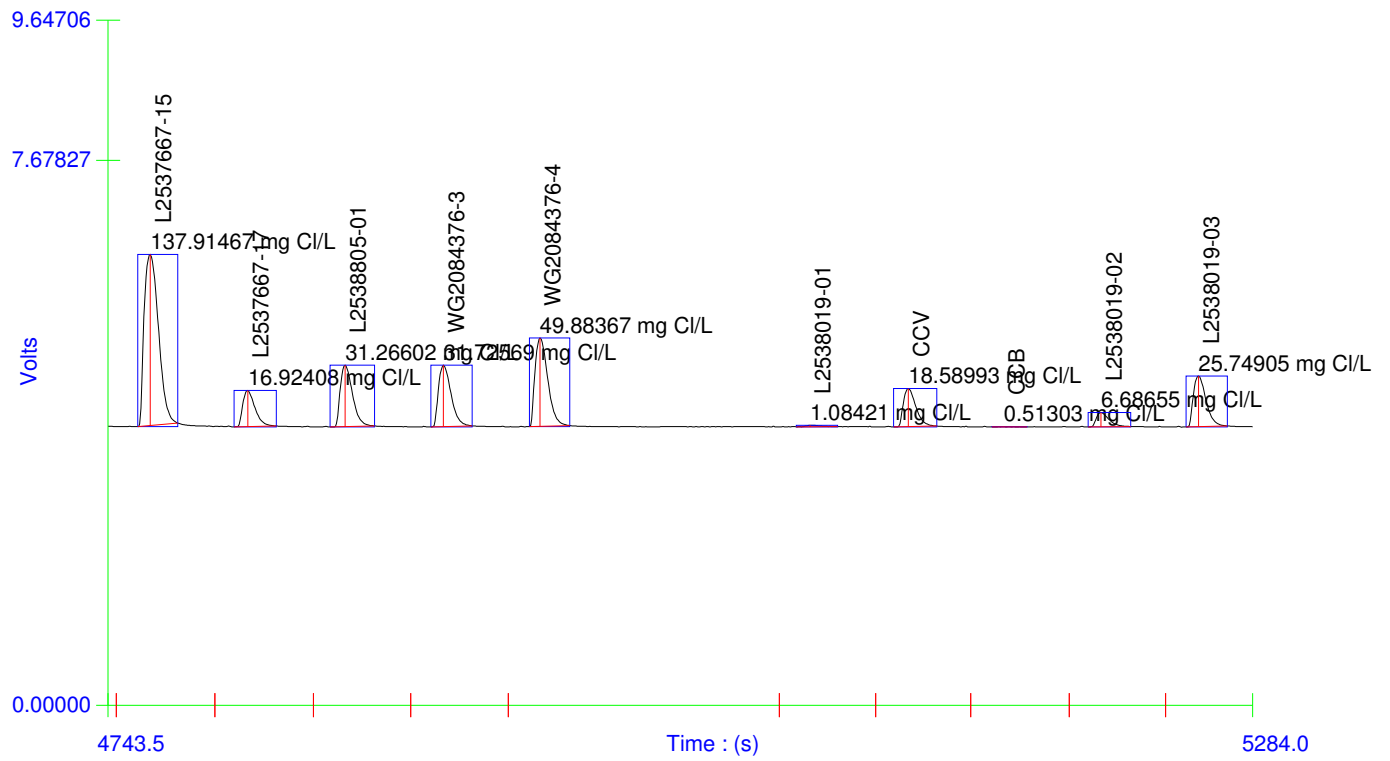
Channel 1 (Chloride) - Set: 9 / 17



Author:

Date : 6/27/2025

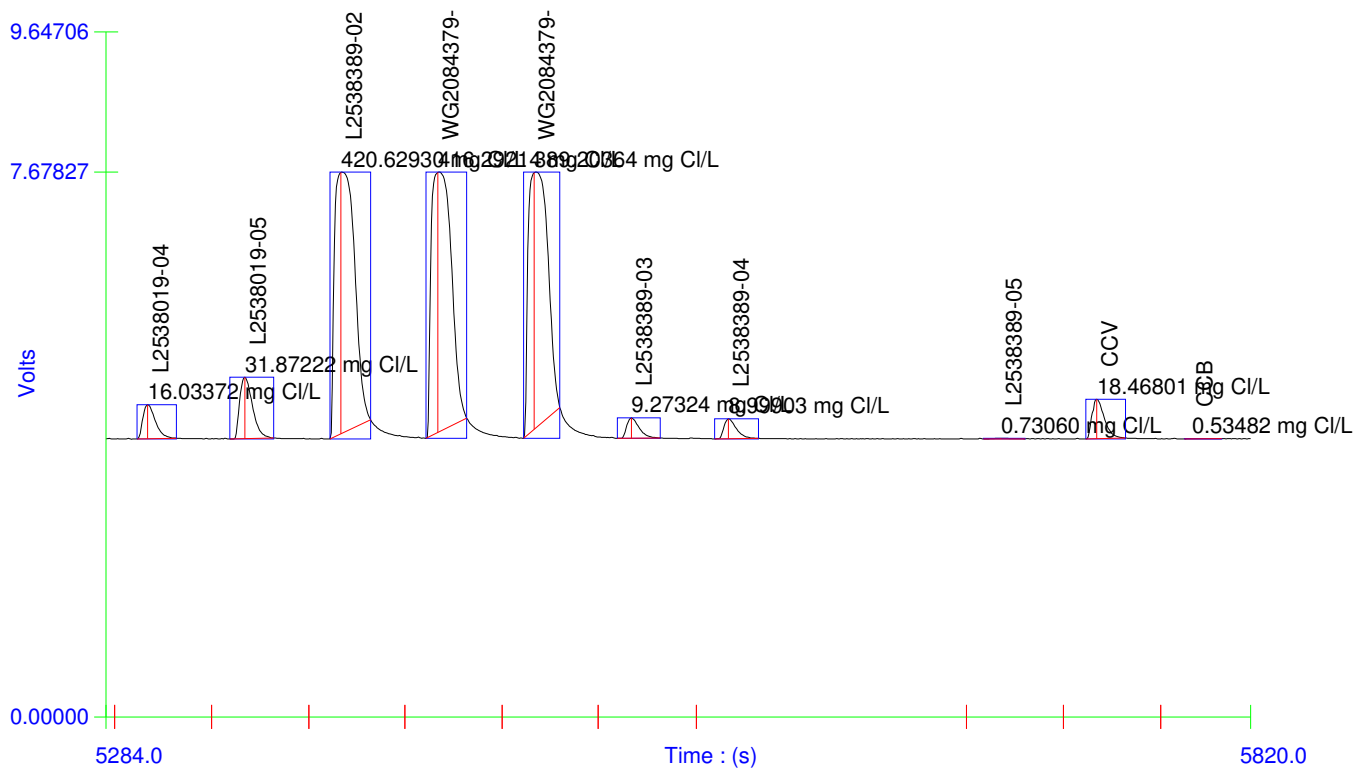
Channel 1 (Chloride) - Set: 10 / 17



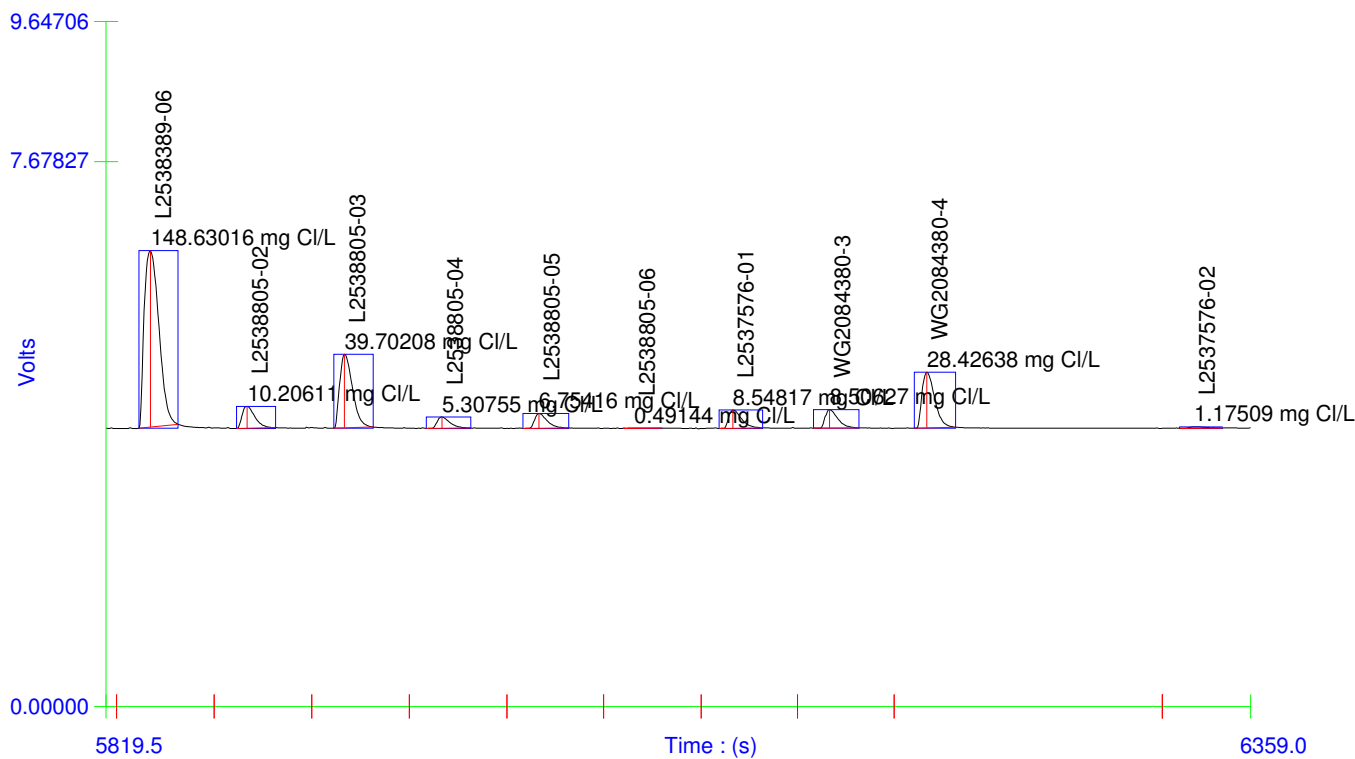
Author:

Date : 6/27/2025

Channel 1 (Chloride) - Set: 11 / 17



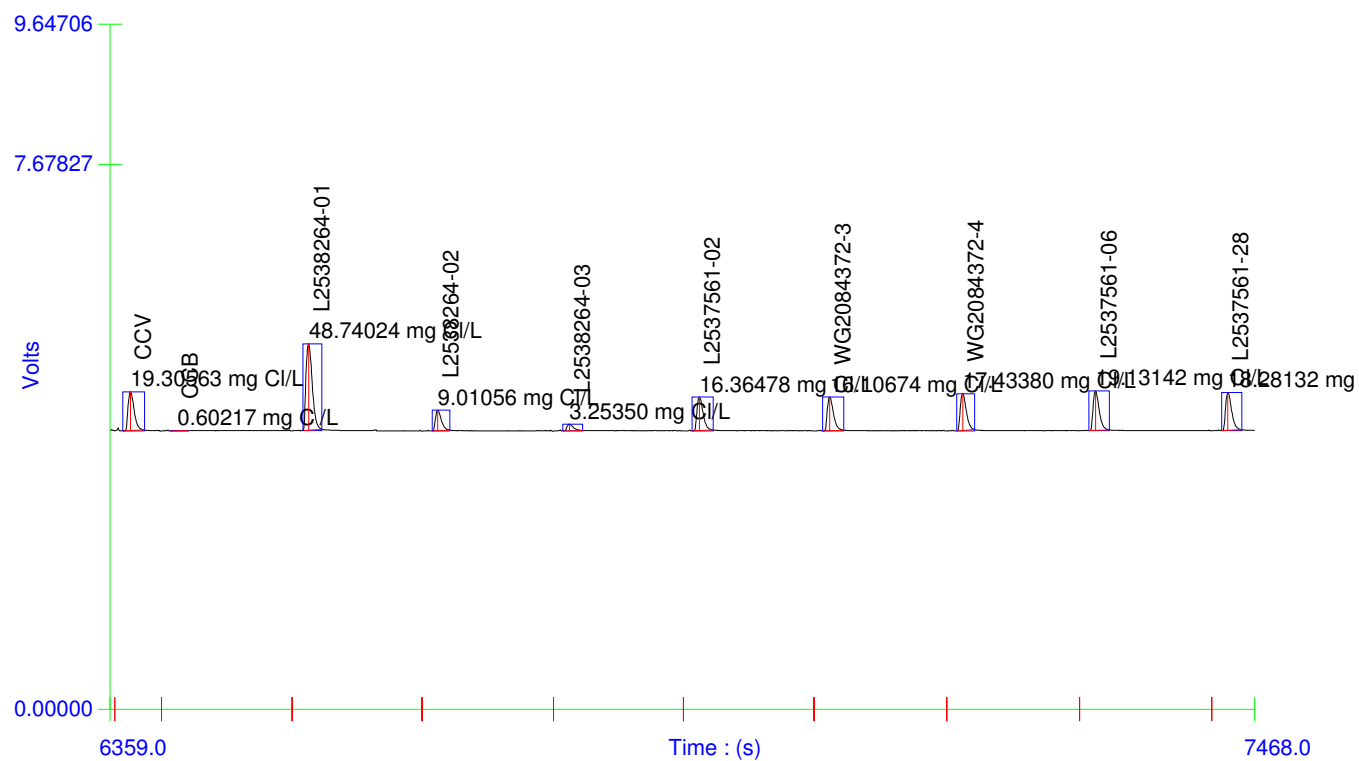
Channel 1 (Chloride) - Set: 12 / 17



Author:

Date : 6/27/2025

Channel 1 (Chloride) - Set: 13 / 17



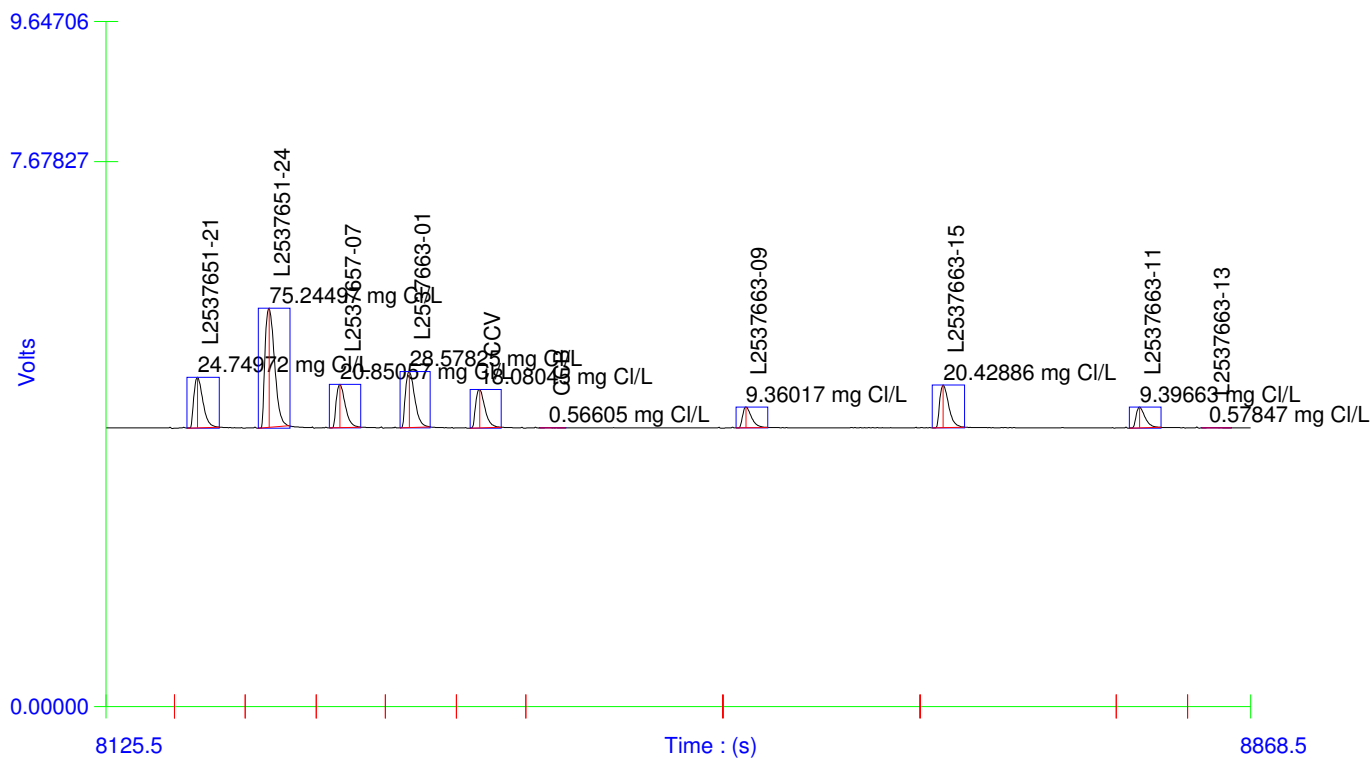
Author:

Date : 6/27/2025

Channel 1 (Chloride) - Set: 14 / 17



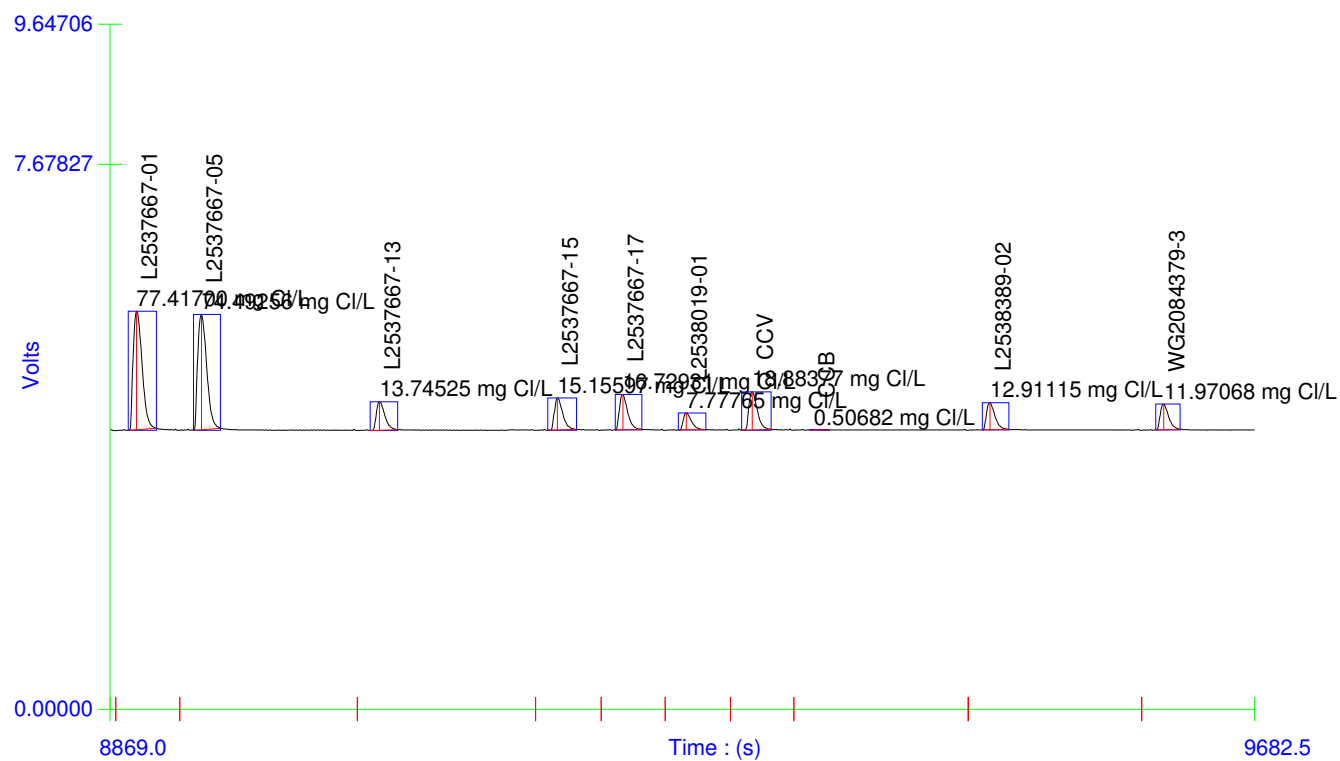
Channel 1 (Chloride) - Set: 15 / 17



Author:

Date : 6/27/2025

Channel 1 (Chloride) - Set: 16 / 17



Author:

Date : 6/27/2025

Channel 1 (Chloride) - Set: 17 / 17

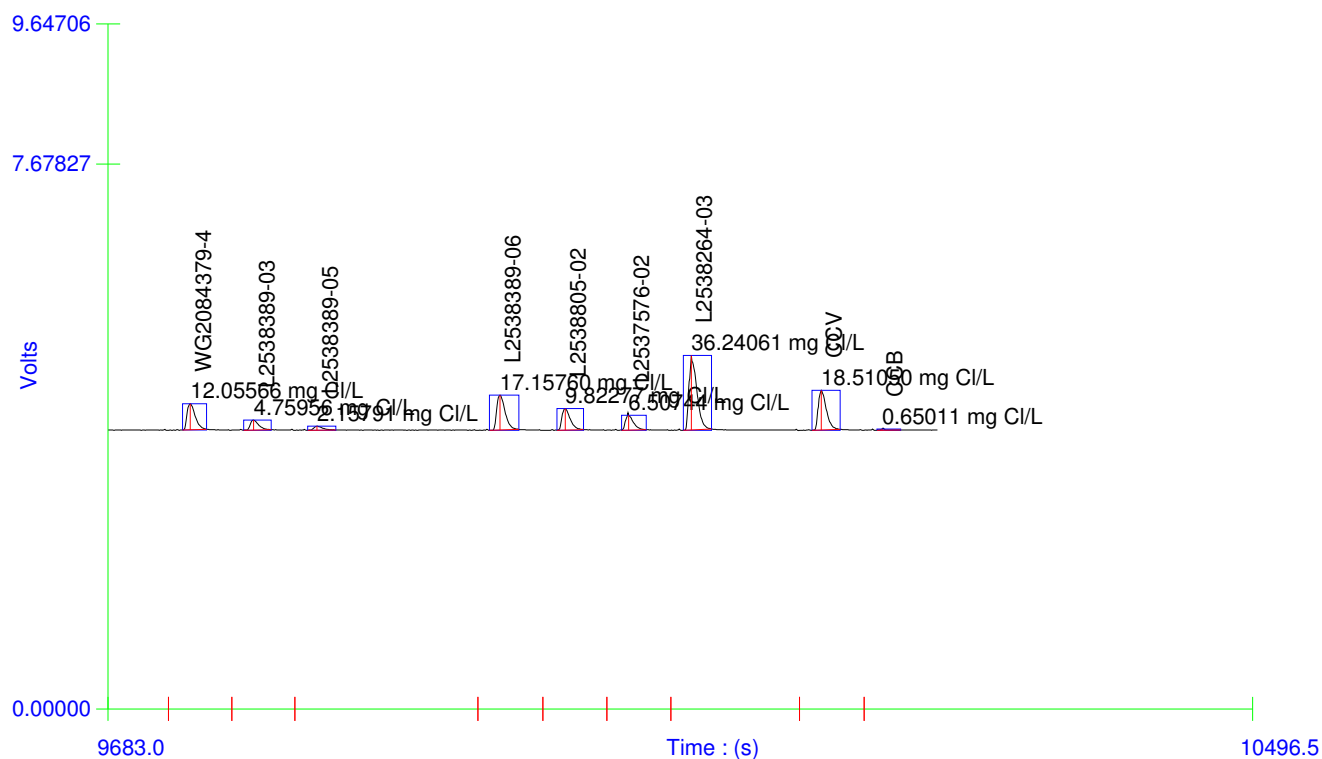
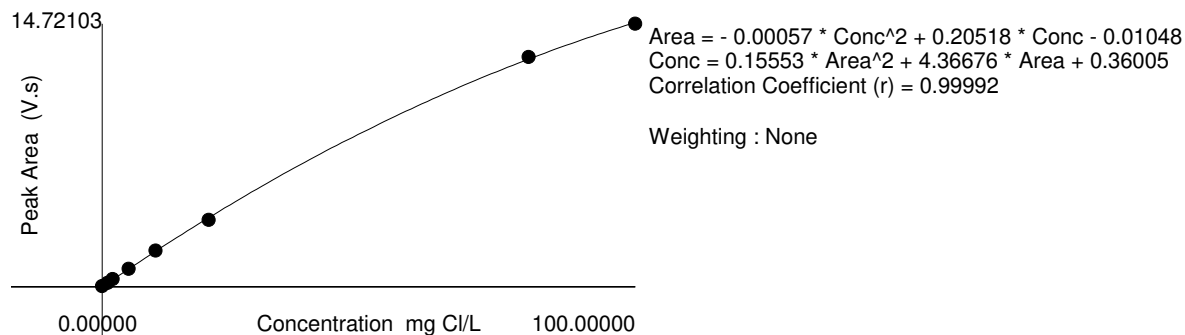


Table : 1 (Chloride-CH3)

	Known Conc. (mg Cl/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg Cl/L)	Detection Date	Detection Time
1	100.00000	1	14.72103	1.95549	0.0	0.5	98.34753	6/27/2025	1:14:26 PM
2	80.00000	1	12.86384	1.74892	0.0	-0.9	82.26991	6/27/2025	1:15:11 PM
3	20.00000	1	3.72980	0.54186	0.0	3.5	18.81079	6/27/2025	1:15:58 PM
4	10.00000	1	2.01485	0.29986	0.0	-1.5	9.78981	6/27/2025	1:16:43 PM
5	5.00000	1	0.98941	0.14159	0.0	1.2	4.83281	6/27/2025	1:17:30 PM
6	2.00000	1	0.41631	0.05680	0.0	-4.7	2.20493	6/27/2025	1:18:17 PM
7	1.00000	1	0.20196	0.02728	0.0	-4.0	1.24828	6/27/2025	1:19:04 PM
8	0.00000	1	0.03109	0.00439			0.49594	6/27/2025	1:19:49 PM

Figure : 1 (Chloride-CH3)



Author:

Date : 6/27/2025

Original Run Filename: OM_6-27-2025_01-13-35PM.OMN Created: 6/27/2025 1:13:35 PM

Original Run Author's Signature: [a1wetcheminstrument]

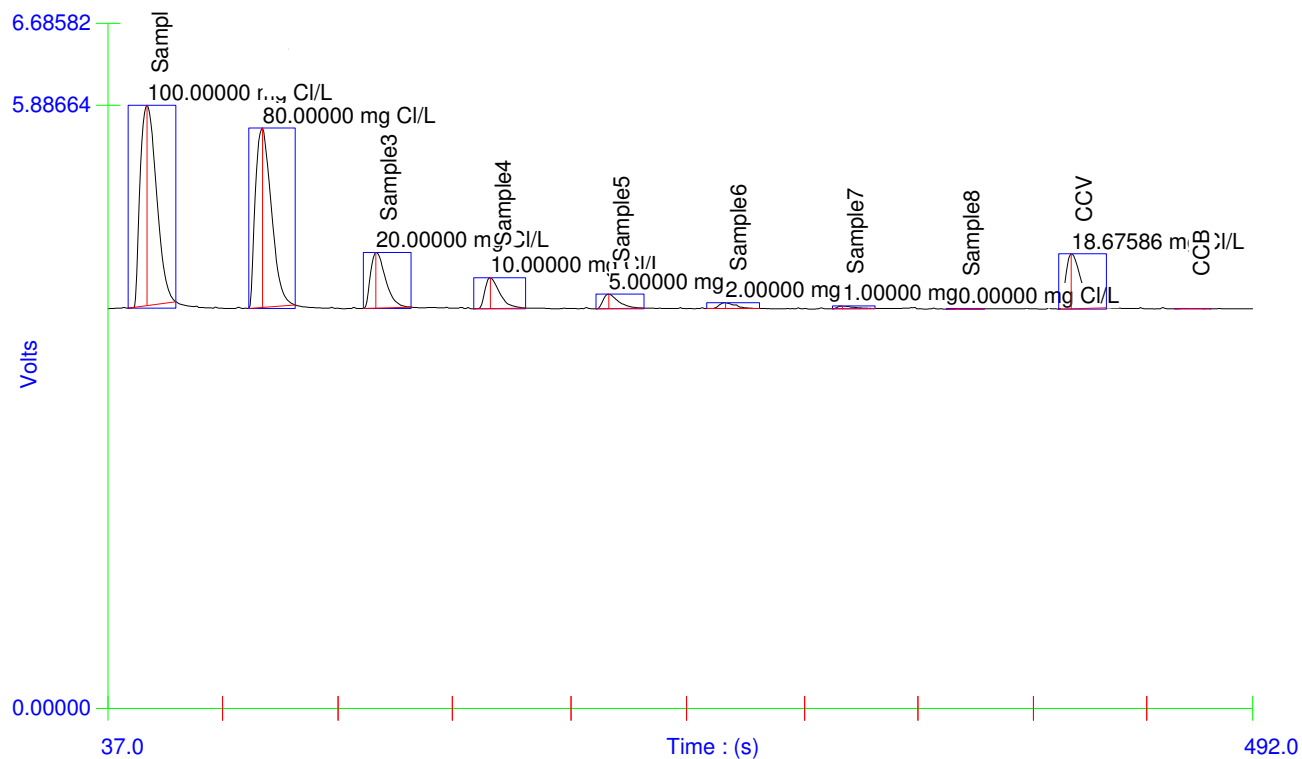
Current Run Filename: OM_6-27-2025_01-13-35PM.OMN Last Modified: 6/27/2025 1:25:39 PM

Current Run Author's Signature: [a1wetcheminstrument]

Description: Default New Run

Sample	Rep.	Cup No.	Channel 1 Chloride- CH3 (mg Cl/L)	ADF	MDF	Weight
Sample1	1	S1	100.00000			
Sample2	1	S2	80.00000			
Sample3	1	S3	20.00000			
Sample4	1	S4	10.00000			
Sample5	1	S5	5.00000			
Sample6	1	S6	2.00000			
Sample7	1	S7	1.00000			
Sample8	1	S9	0.00000			
CCV	1	S3	18.67586			
Known Conc:			20.00000			
Calibration:			Table/Fig. : 1			
CCB	1	S9	0.47652			
Known Conc:			0.00000			
ICV 5	1	1	4.72316			
ICV 30	1	2	28.33887			
ICV 80	1	3	81.35351			
ICB	1	4	1.21986			

Channel 1 (Chloride) - Set: 1 / 2



Author:

Date : 6/27/2025

Channel 1 (Chloride) - Set: 2 / 2

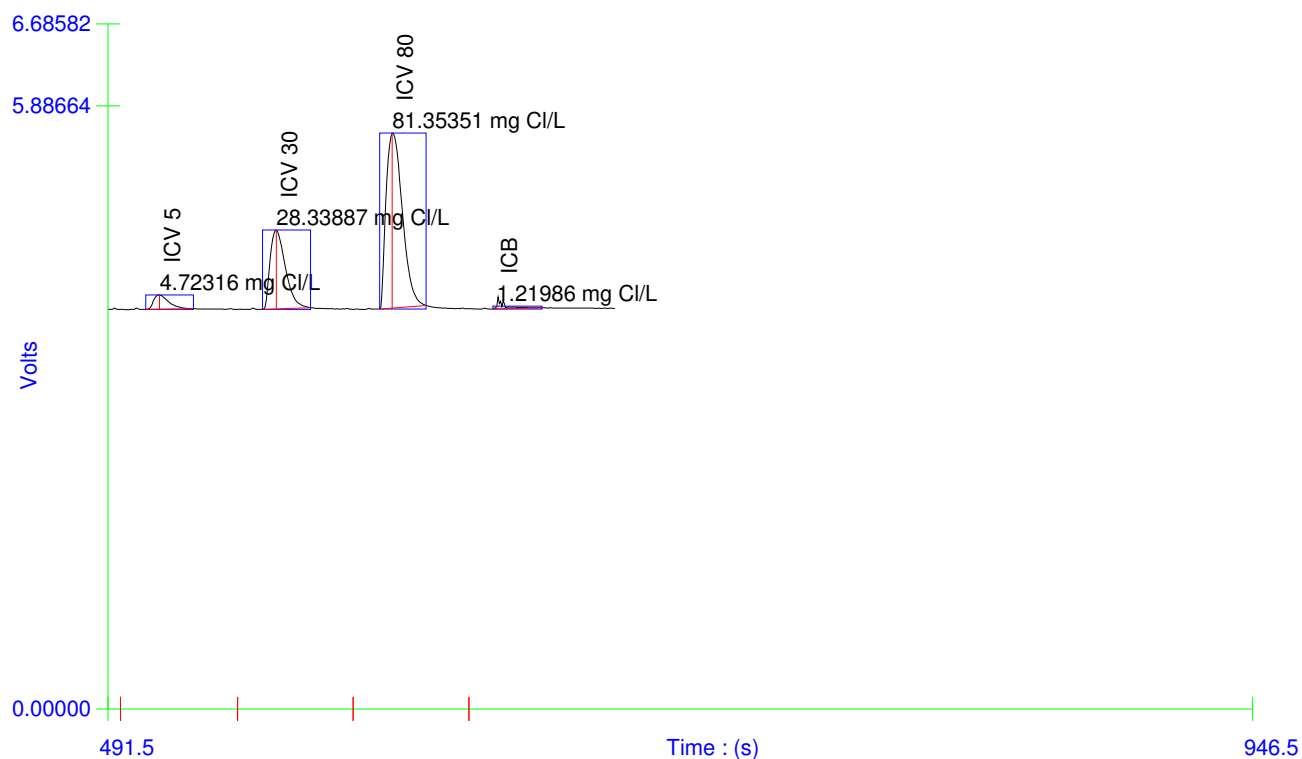
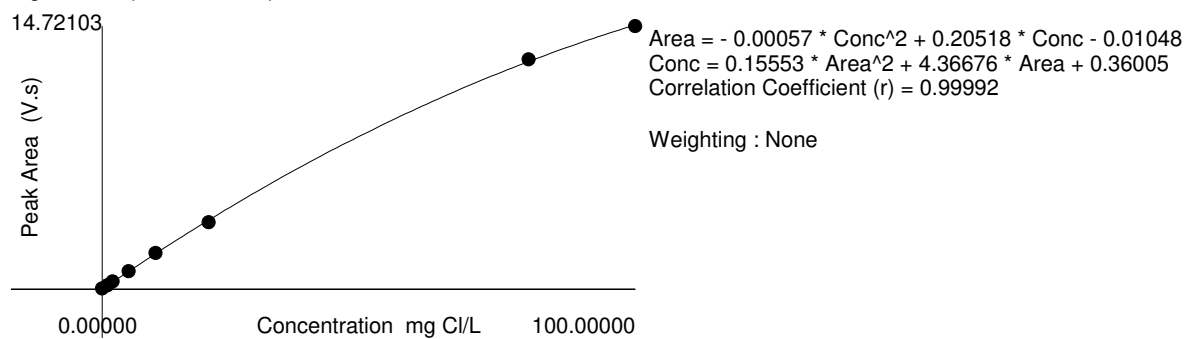


Table : 1 (Chloride-CH3)

	Known Conc. (mg Cl/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg Cl/L)	Detection Date	Detection Time
1	100.00000	1	14.72103	1.95549	0.0	0.5	98.34753	6/27/2025	1:14:26 PM
2	80.00000	1	12.86384	1.74892	0.0	-0.9	82.26991	6/27/2025	1:15:11 PM
3	20.00000	1	3.72980	0.54186	0.0	3.5	18.81079	6/27/2025	1:15:58 PM
4	10.00000	1	2.01485	0.29986	0.0	-1.5	9.78981	6/27/2025	1:16:43 PM
5	5.00000	1	0.98941	0.14159	0.0	1.2	4.83281	6/27/2025	1:17:30 PM
6	2.00000	1	0.41631	0.05680	0.0	-4.7	2.20493	6/27/2025	1:18:17 PM
7	1.00000	1	0.20196	0.02728	0.0	-4.0	1.24828	6/27/2025	1:19:04 PM
8	0.00000	1	0.03109	0.00439			0.49594	6/27/2025	1:19:49 PM

Figure : 1 (Chloride-CH3)



Author:

Date : 6/27/2025

Original Run Filename: OM_6-27-2025_01-26-12PM.OMN Created: 6/27/2025 1:26:12 PM

Original Run Author's Signature: [a1wetcheminstrument]

Current Run Filename: OM_6-27-2025_01-26-12PM.OMN Last Modified: 6/27/2025 4:17:59 PM

Current Run Author's Signature: [a1wetcheminstrument]

Description: Default New Run

Sample	Rep.	Cup No.	Channel 1 Chloride- CH3 (mg Cl/L)	ADF	MDF	Weight
CCV	1	S3	18.36185			
	Known Conc:		20.00000			
CCB	1	S9	0.48881			
	Known Conc:		0.00000			
	Calibration:		Table/Fig. : 1			
ICV 5	1	1	4.66965			93%
ICV 30	1	2	29.10150			97%
ICV 80	1	3	81.92560			102%
ICB	1	4	0.48528			
100 PPM	1	5	99.45528	10.00		99%
WG2084372-1	1	6	0.43355			
WG2084372-2	1	7	27.39174			91%
WG2084374-1	1	8	0.58094			
WG2084374-2	1	9	27.01237			90%
WG2084376-1	1	10	0.68131			
CCV	1	S3	18.56677			
	Known Conc:		20.00000			
CCB	1	S9	0.51255			
	Known Conc:		0.00000			
WG2084376-2	1	11	27.89517			93%
WG2084379/80-1	1	12	0.45368			
WG2084379/80-2	1	13	27.24010			91%
L2537561-02	1	14	140.41005			
WG2084372-3	1	15	147.48651			
WG2084372-4	1	16	151.06886			
L2537561-06	1	17	162.85556			
L2537561-28	1	18	163.68311			
L2537561-31	1	19	0.77278			
L2537648-03	1	20	54.20672	10.00		
CCV	1	S3	18.64433			
	Known Conc:		20.00000			
CCB	1	S9	0.26172			
	Known Conc:		0.00000			
L2537648-06	1	21	30.06591			
L2537648-09	1	22	28.95581			
L2537648-12	1	23	29.00868			
L2537648-15	1	24	0.50900			
L2537648-18	1	25	26.60538			
L2537648-21	1	26	31.69296			
L2537648-24	1	27	147.25540			
L2537649-03	1	28	47.42064			
L2537649-06	1	29	22.83129			
L2537649-09	1	30	27.93103	10.00		
CCV	1	S3	18.53964			
	Known Conc:		20.00000			
CCB	1	S9	0.53564			
	Known Conc:		0.00000			
L2537649-12	1	31	28.99104			
L2537649-15	1	32	0.55029			
L2537649-18	1	33	44.42639			
L2537649-21	1	34	30.30609			
L2537649-24	1	35	67.40340			
L2537649-27	1	36	123.90317			
L2537651-03	1	37	46.20753			
WG2084374-3	1	38	46.17883			
WG2084374-4	1	39	63.90152			
L2537651-06	1	40	19.62076	10.00		
CCV	1	S3	18.39926			

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	Known Conc:	20.00000			
CCB	1	S9	0.31612		
	Known Conc:	0.00000			
L2537651-09	1	41	64.92774		
L2537651-12	1	42	64.73029		
L2537651-15	1	43	0.63696		
L2537651-18	1	44	62.38939		
L2537651-21	1	45	196.96664		
L2537651-24	1	46	76.62246		
L2537657-01	1	47	22.09048		
L2537657-03	1	48	21.44279		
L2537657-05	1	49	0.54617		
L2537657-07	1	50	21.95015	10.00	
CCV	1	S3	17.97184		
	Known Conc:	20.00000			
CCB	1	S9	0.73790		
	Known Conc:	0.00000			
L2537657-09	1	51	36.03595		
L2537657-11	1	52	62.99936		
L2537660-01	1	53	16.18946		
L2537660-03	1	54	15.70843		
L2537660-05	1	55	0.62448		
L2537660-07	1	56	54.44165		
L2537660-09	1	57	26.32695		
L2537660-11	1	58	77.51431		
L2537660-13	1	59	50.20829		
L2537663-01	1	60	26.16916	10.00	
CCV	1	S3	18.44785		
	Known Conc:	20.00000			
CCB	1	S9	0.55138		
	Known Conc:	0.00000			
L2537663-03	1	61	41.66924		
L2537663-05	1	62	45.17171		
L2537663-07	1	63	72.32986		
L2537663-09	1	64	97.51767		
L2537663-11	1	65	97.74129		
L2537663-13	1	66	0.66474		
L2537663-15	1	67	171.20761		
L2537667-01	1	68	78.08882		
L2537667-03	1	69	20.36195		
L2537667-05	1	70	68.98100	10.00	
CCV	1	S3	18.46053		
	Known Conc:	20.00000			
CCB	1	S9	0.49242		
	Known Conc:	0.00000			
L2537667-07	1	71	19.86708		
L2537667-09	1	72	19.98897		
L2537667-11	1	73	0.48513		
L2537667-13	1	74	126.72560		
L2537667-15	1	75	137.91467		
L2537667-17	1	76	16.92408		
L2538805-01	1	77	31.26602		
WG2084376-3	1	78	31.72569		
WG2084376-4	1	79	49.88367		
L2538019-01	1	80	10.84208	10.00	
CCV	1	S3	18.58993		
	Known Conc:	20.00000			
CCB	1	S9	0.51303		
	Known Conc:	0.00000			
L2538019-02	1	81	6.68655		
L2538019-03	1	82	25.74905		
L2538019-04	1	83	16.03372		
L2538019-05	1	84	31.87222		
L2538389-02	1	85	420.62930		
WG2084379-3	1	86	416.29214		
WG2084379-4	1	87	389.20364		
L2538389-03	1	88	9.27324		
L2538389-04	1	89	8.99903		

Author:

Date : 6/27/2025

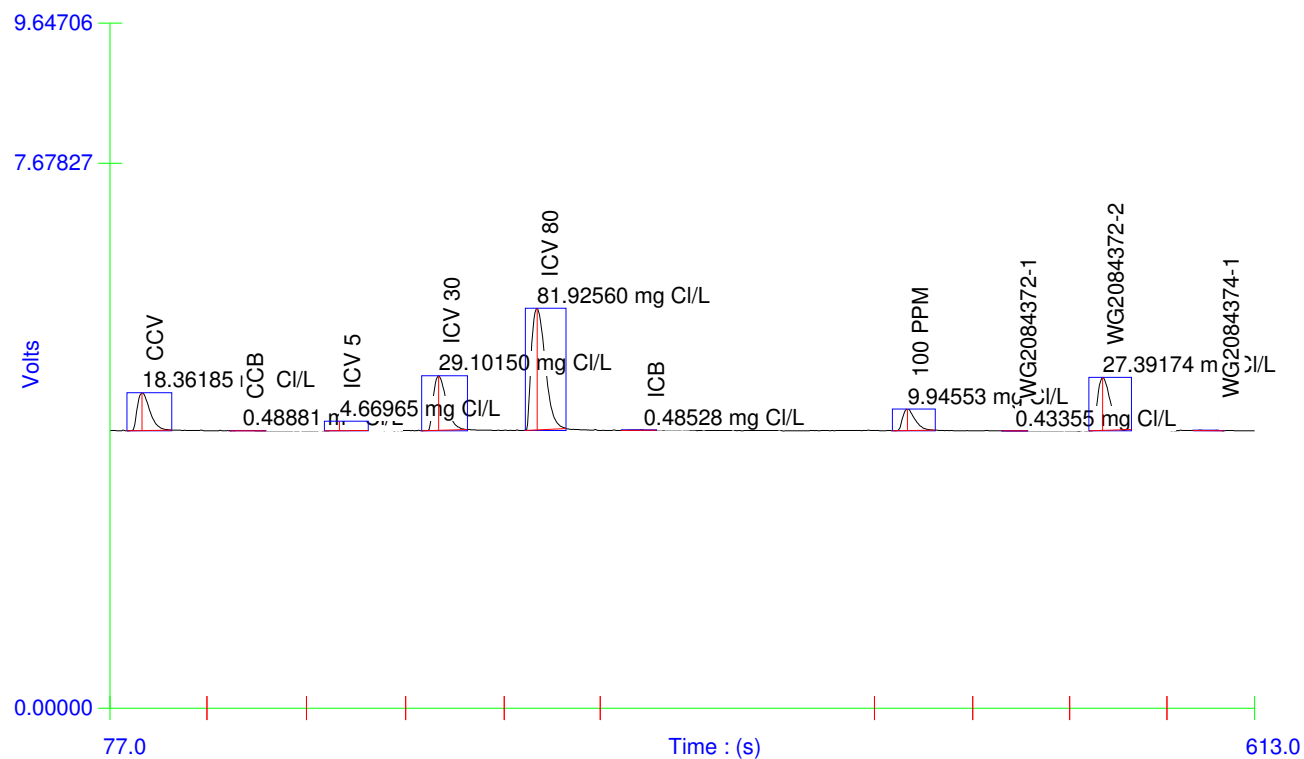
L2538389-05	1	90	7.30604	10.00		
CCV	1	S3	18.46801			
	Known Conc:		20.00000			
CCB	1	S9	0.53482			
	Known Conc:		0.00000			
L2538389-06	1	91	148.63016			
L2538805-02	1	92	10.20611			
L2538805-03	1	93	39.70208			
L2538805-04	1	94	5.30755			
L2538805-05	1	95	6.75416			
L2538805-06	1	96	0.49144			
L2537576-01	1	97	8.54817			
WG2084380-3	1	98	8.50627			
WG2084380-4	1	99	28.42638			
L2537576-02	1	100	11.75091	10.00		
CCV	1	S3	19.30563			
	Known Conc:		20.00000			
CCB	1	S9	0.60217			
	Known Conc:		0.00000			
L2538264-01	1	101	487.40237	10.00		
L2538264-02	1	102	90.10564	10.00		
L2538264-03	1	103	32.53502	10.00		
L2537561-02	1	14	163.64783	10.00		
WG2084372-3	1	15	161.06744	10.00		
WG2084372-4	1	16	174.33795	10.00		
L2537561-06	1	17	191.31424	10.00		
L2537561-28	1	18	182.81320	10.00		
L2537561-31	1	19	0.56202			
L2537648-03	1	20	57.81118			
CCV	1	S3	18.60026			
	Known Conc:		20.00000			
CCB	1	S9	0.59570			
	Known Conc:		0.00000			
L2537648-24	1	27	169.29475	10.00		
L2537649-03	1	28	46.83747			
L2537649-09	1	30	28.91024			
L2537649-27	1	36	136.10025	10.00		
L2537651-03	1	37	44.19951			
L2537651-06	1	40	16.62464			
L2537651-21	1	45	247.49716	10.00		
L2537651-24	1	46	75.24497			
L2537657-07	1	50	20.85057			
L2537663-01	1	60	28.57825			
CCV	1	S3	18.08045			
	Known Conc:		20.00000			
CCB	1	S9	0.56605			
	Known Conc:		0.00000			
L2537663-09	1	64	93.60175	10.00		
L2537663-15	1	67	204.28860	10.00		
L2537663-11	1	65	93.96628	10.00		
L2537663-13	1	66	0.57847			
L2537667-01	1	68	77.41700			
L2537667-05	1	70	74.49256			
L2537667-13	1	74	137.45248	10.00		
L2537667-15	1	75	151.55966	10.00		
L2537667-17	1	76	16.72931			
L2538019-01	1	80	7.77765			
CCV	1	S3	18.88377			
	Known Conc:		20.00000			
CCB	1	S9	0.50682			
	Known Conc:		0.00000			
L2538389-02	1	85	1291.11499	100.00		
WG2084379-3	1	86	1197.06799	100.00		
WG2084379-4	1	87	1205.56567	100.00		
L2538389-03	1	88	4.75956			
L2538389-05	1	90	2.15791			
L2538389-06	1	91	171.57596	10.00		
L2538805-02	1	92	9.82277			

Author:

Date : 6/27/2025

L2537576-02	1	100	6.50744			
L2538264-03	1	103	36.24061			
CCV	1	S3	18.51050			
Known Conc:			20.00000			
CCB	1	S9	0.65011			
Known Conc:			0.00000			

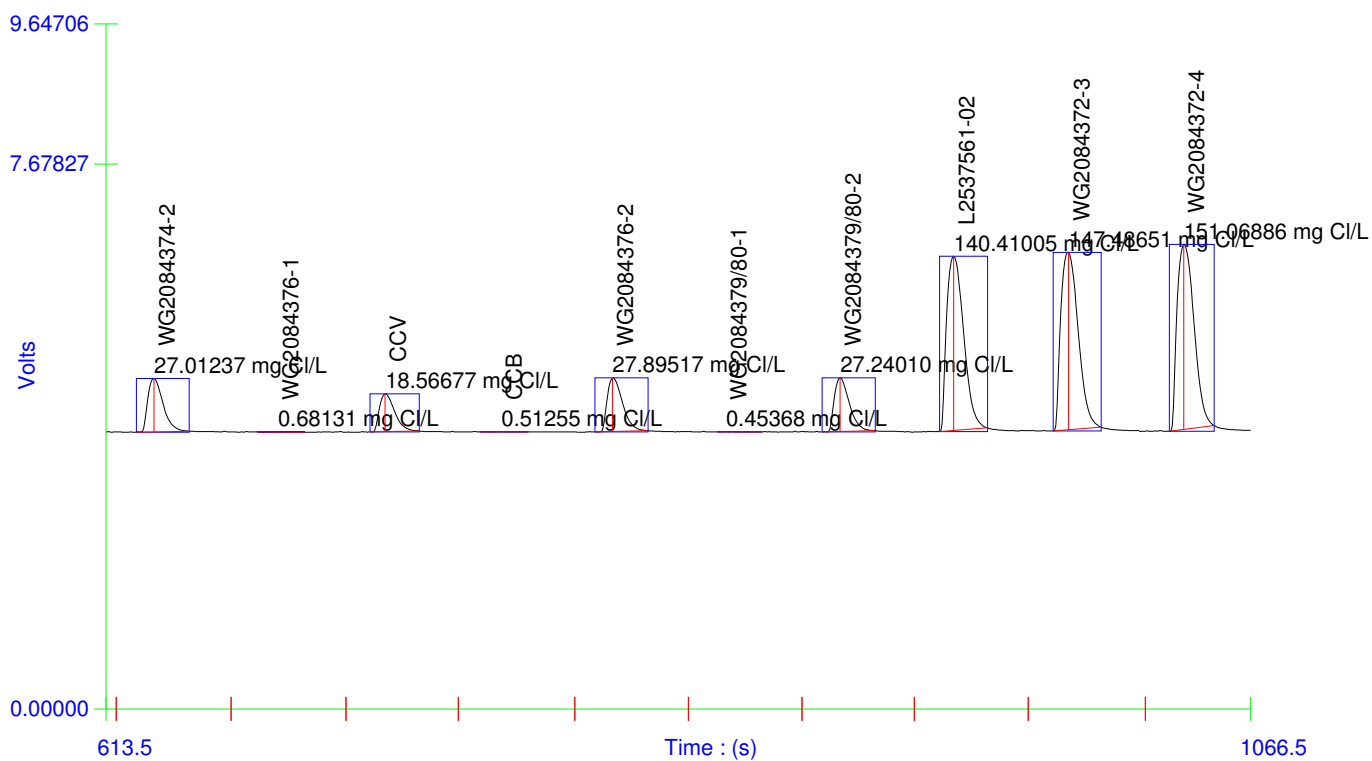
Channel 1 (Chloride) - Set: 1 / 17



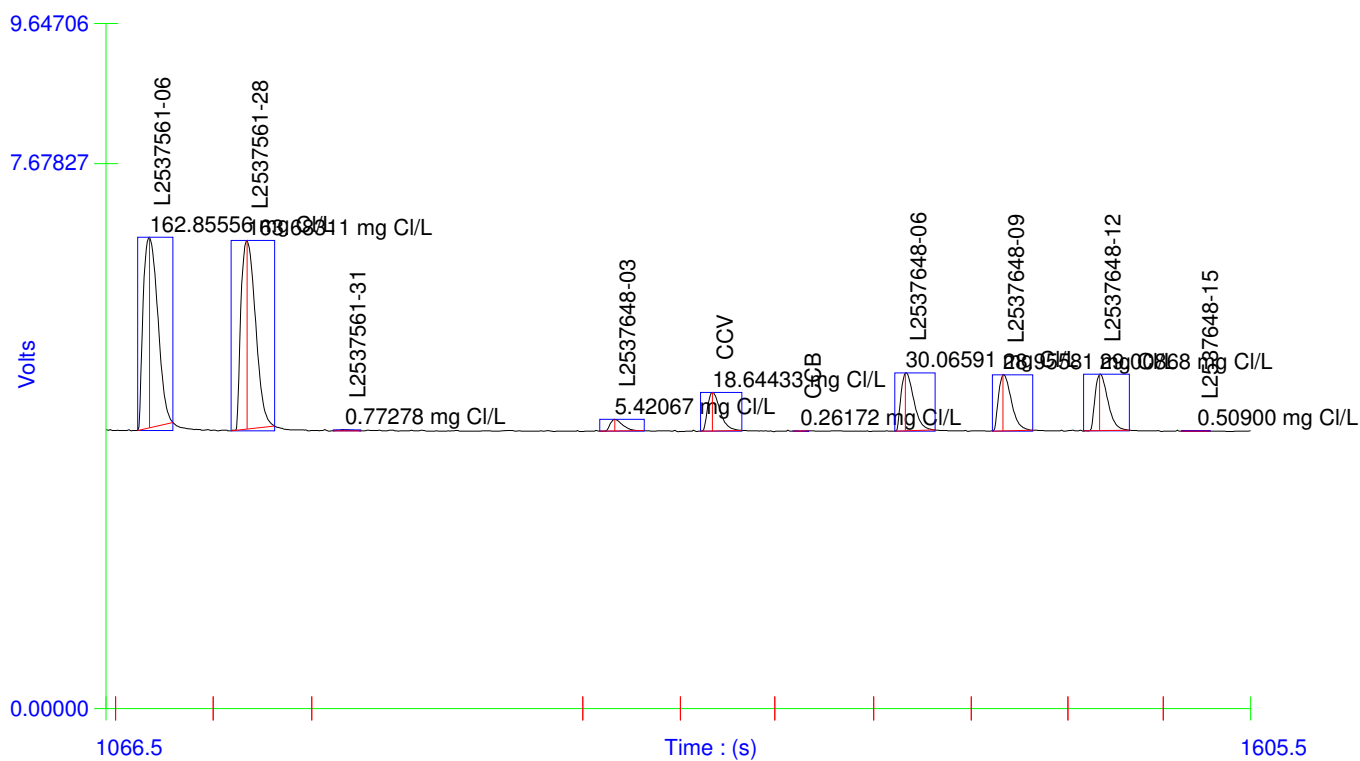
Author:

Date : 6/27/2025

Channel 1 (Chloride) - Set: 2 / 17



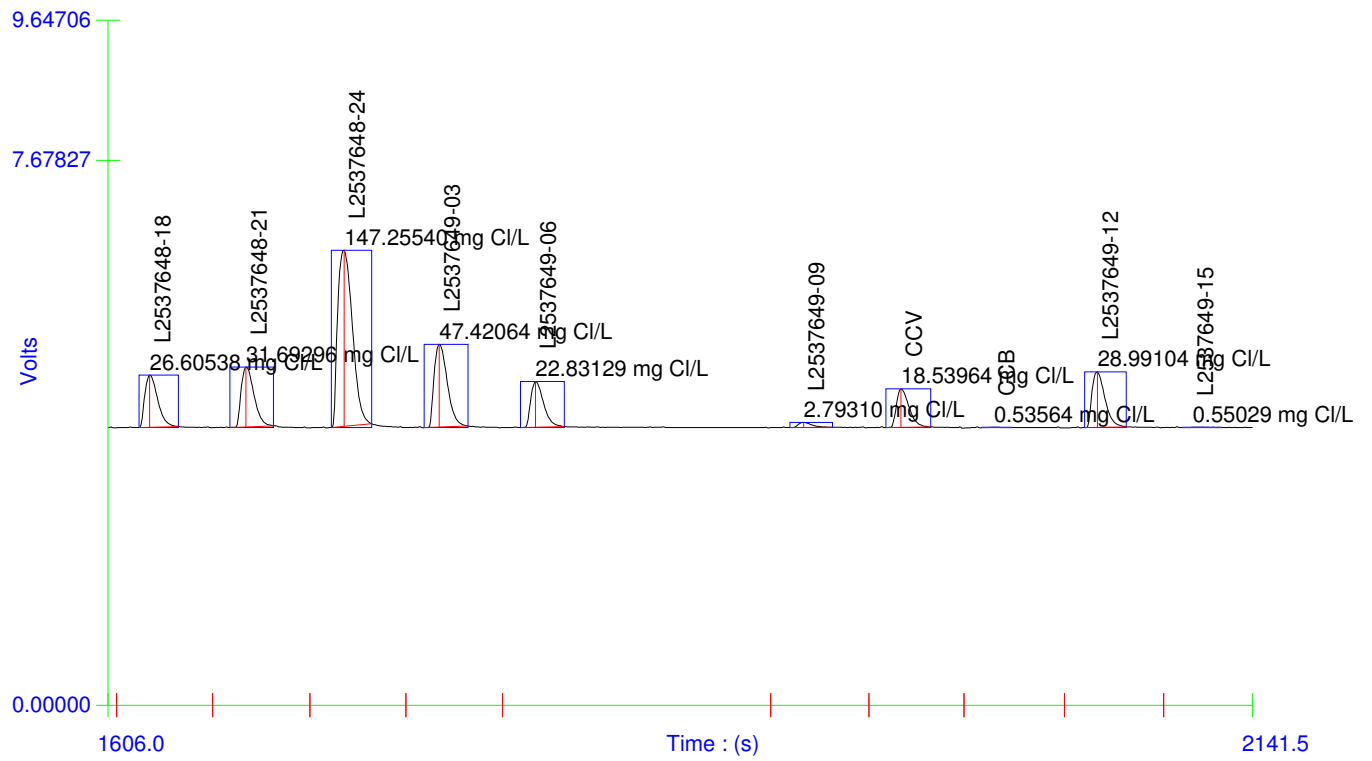
Channel 1 (Chloride) - Set: 3 / 17



Author:

Date : 6/27/2025

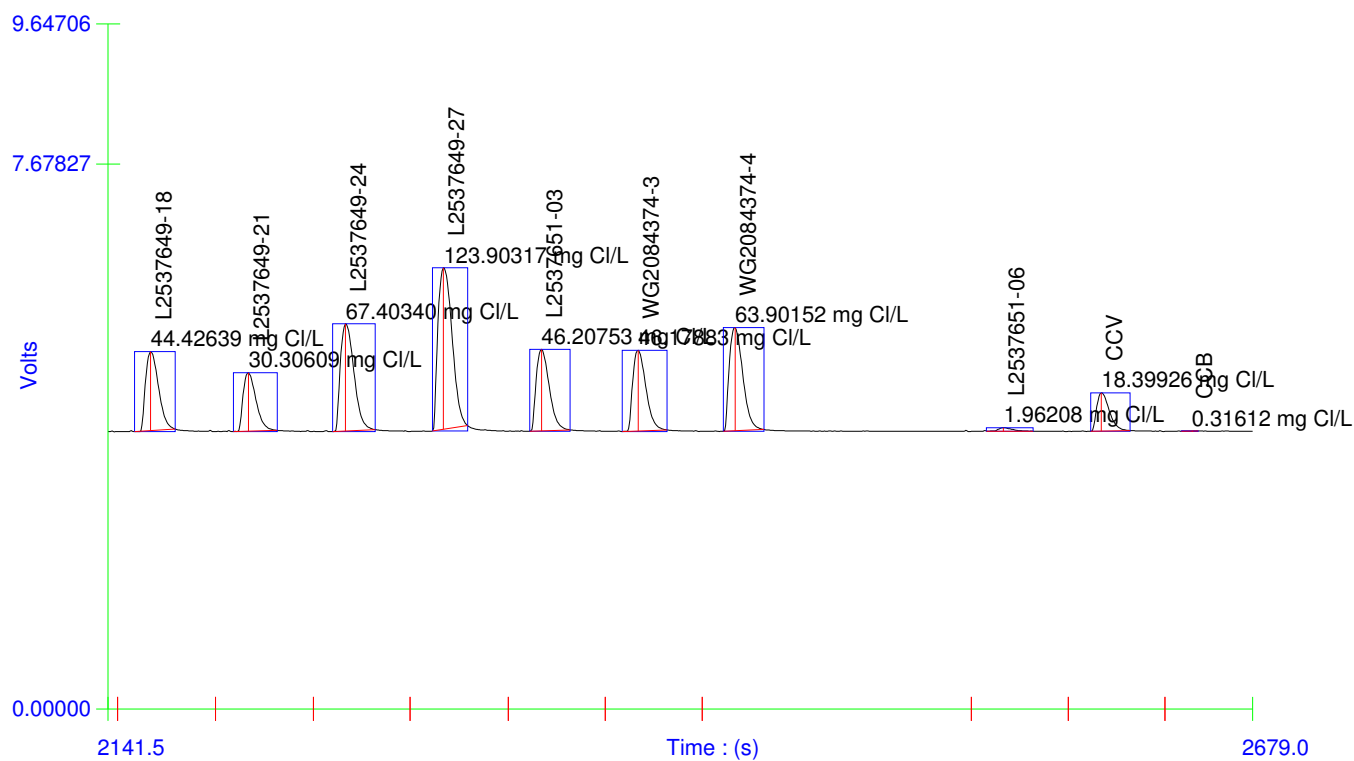
Channel 1 (Chloride) - Set: 4 / 17



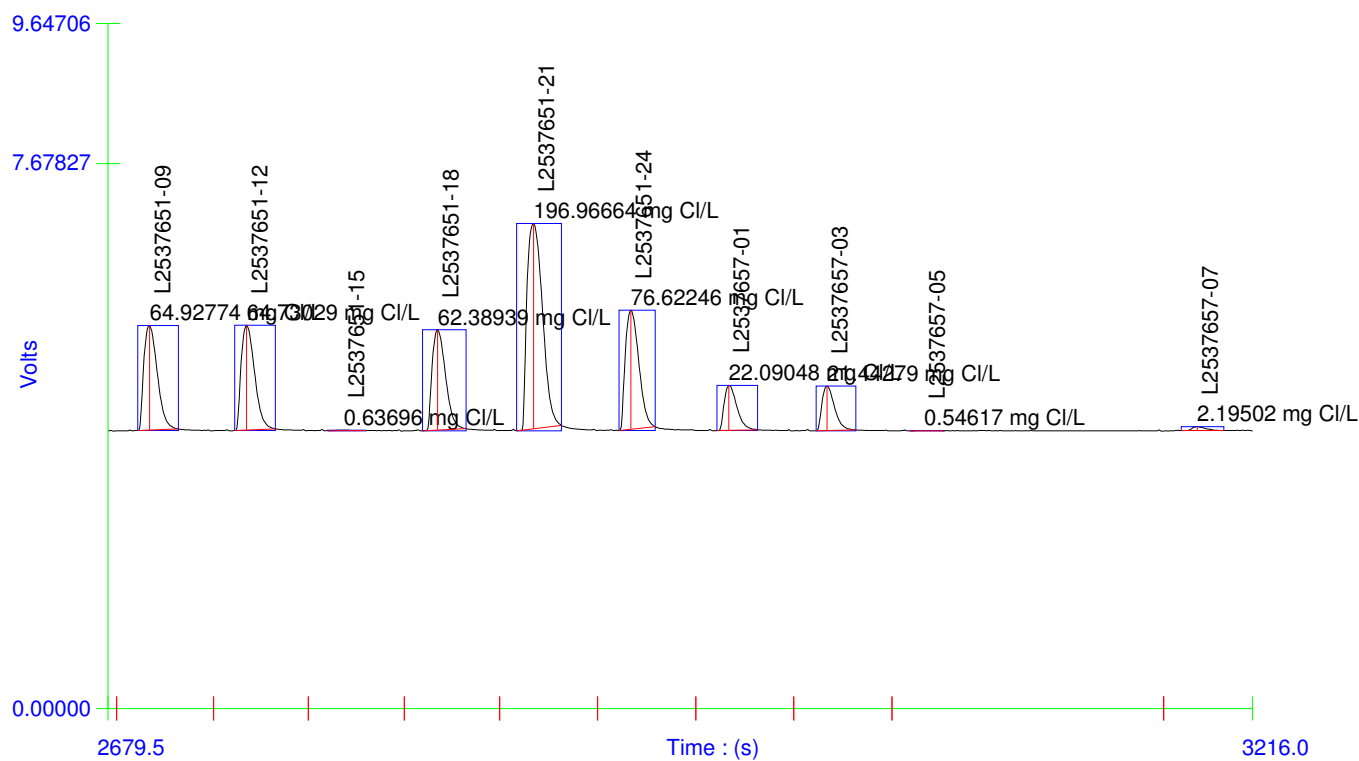
Author:

Date : 6/27/2025

Channel 1 (Chloride) - Set: 5 / 17



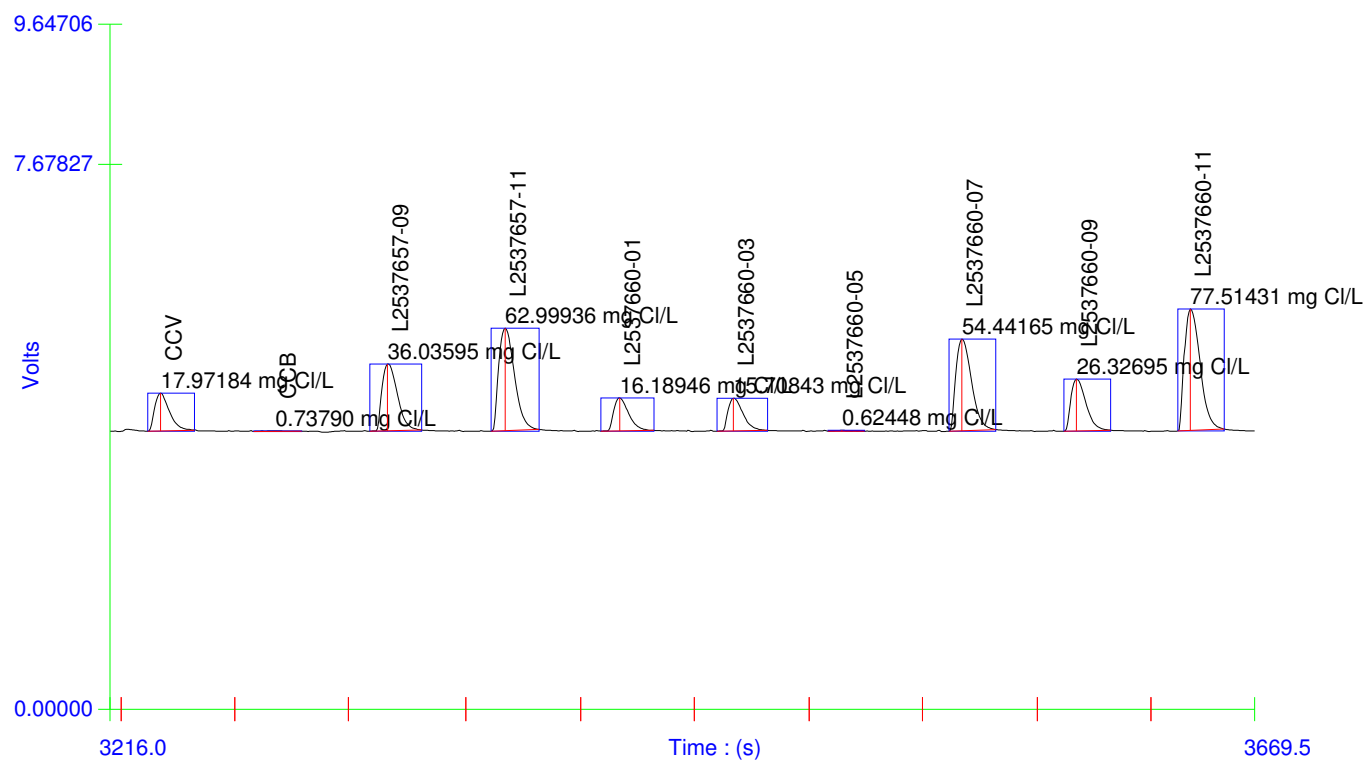
Channel 1 (Chloride) - Set: 6 / 17



Author:

Date : 6/27/2025

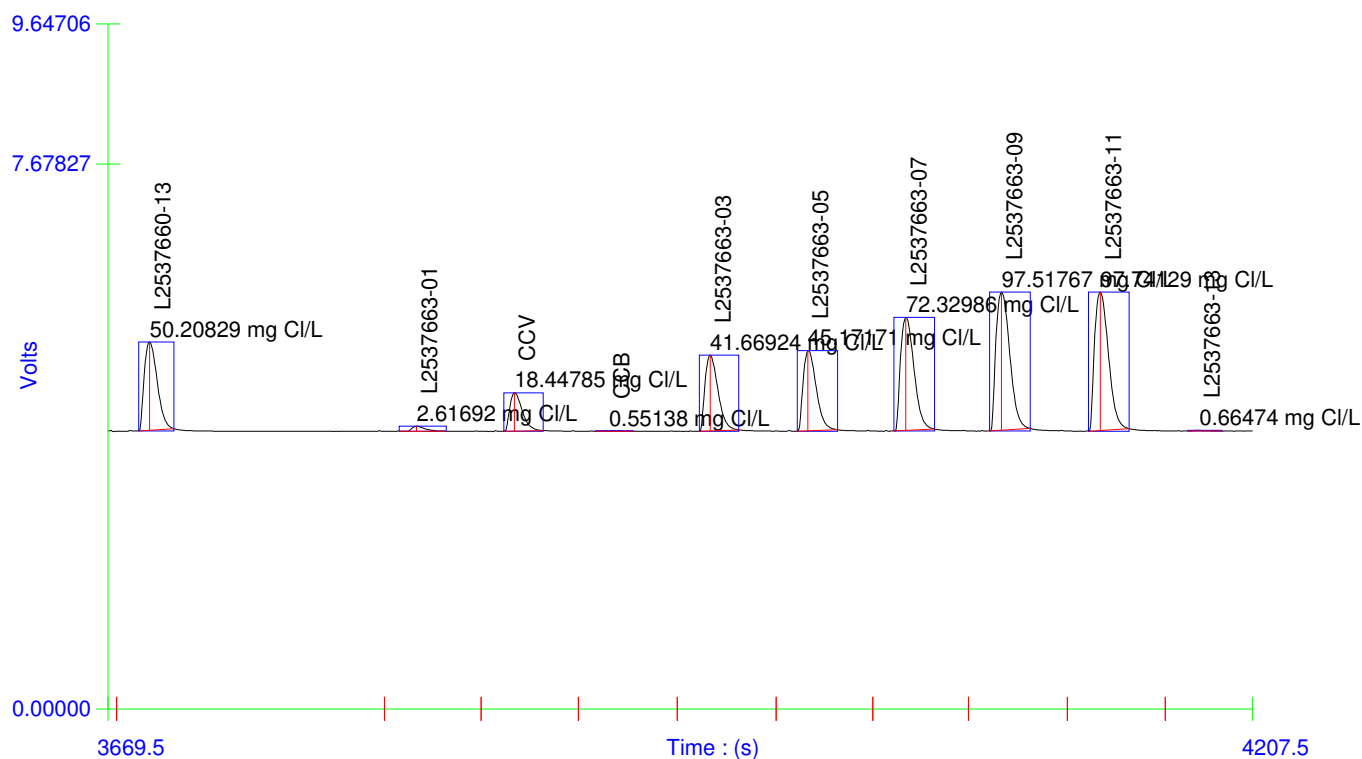
Channel 1 (Chloride) - Set: 7 / 17



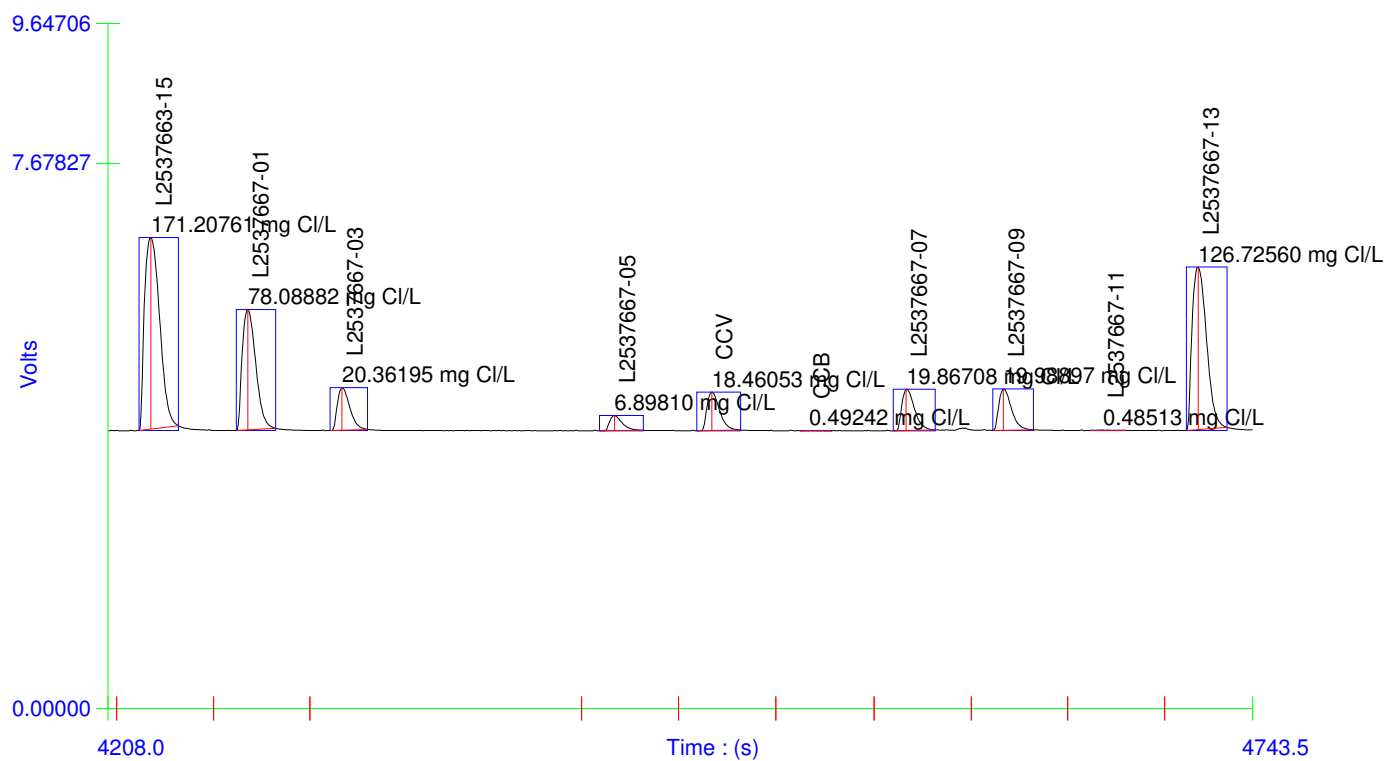
Author:

Date : 6/27/2025

Channel 1 (Chloride) - Set: 8 / 17



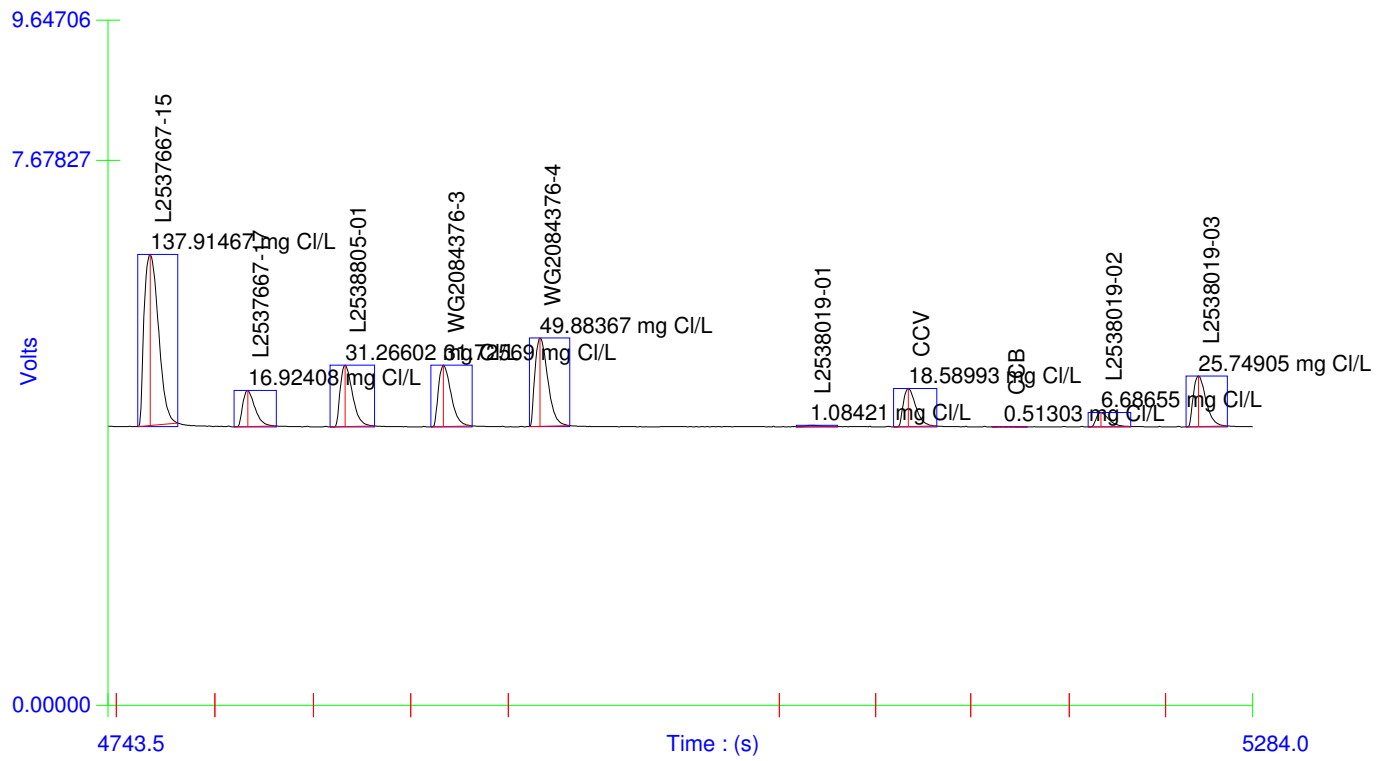
Channel 1 (Chloride) - Set: 9 / 17



Author:

Date : 6/27/2025

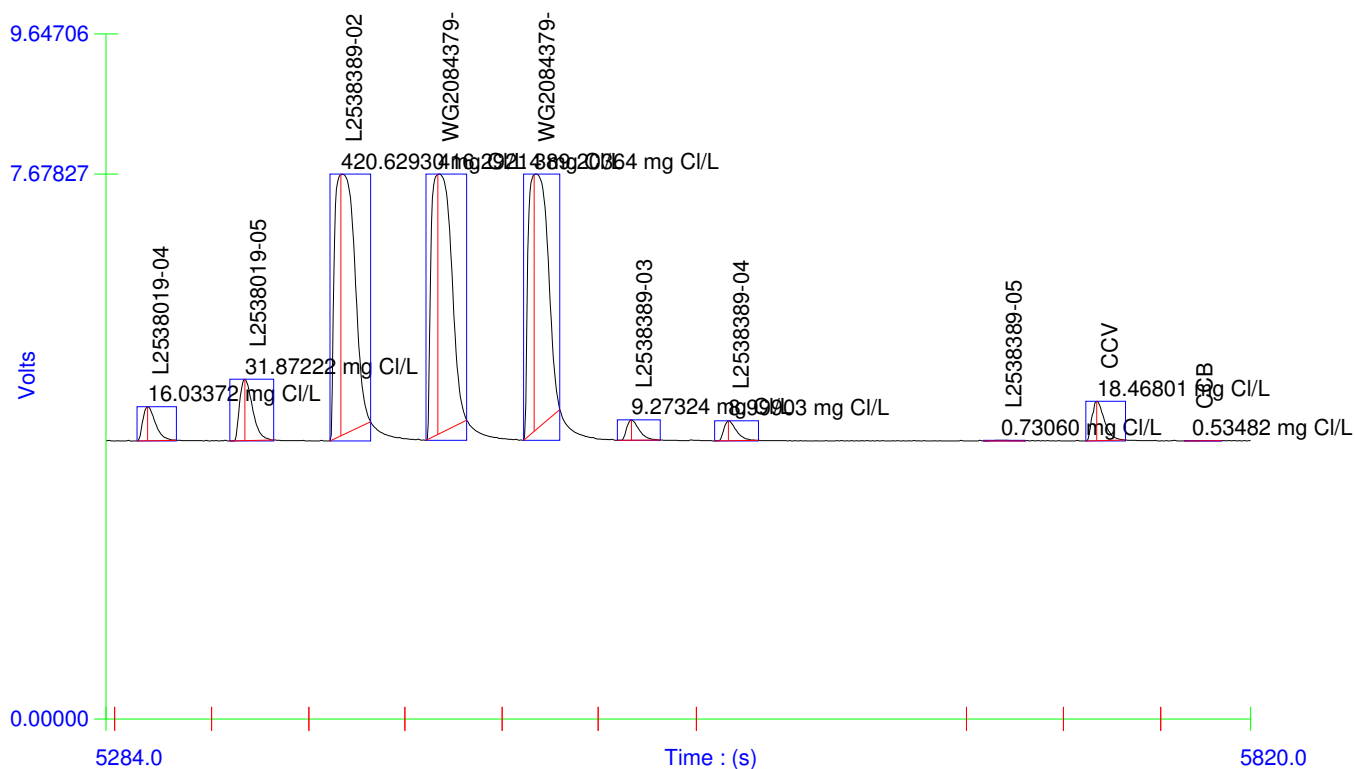
Channel 1 (Chloride) - Set: 10 / 17



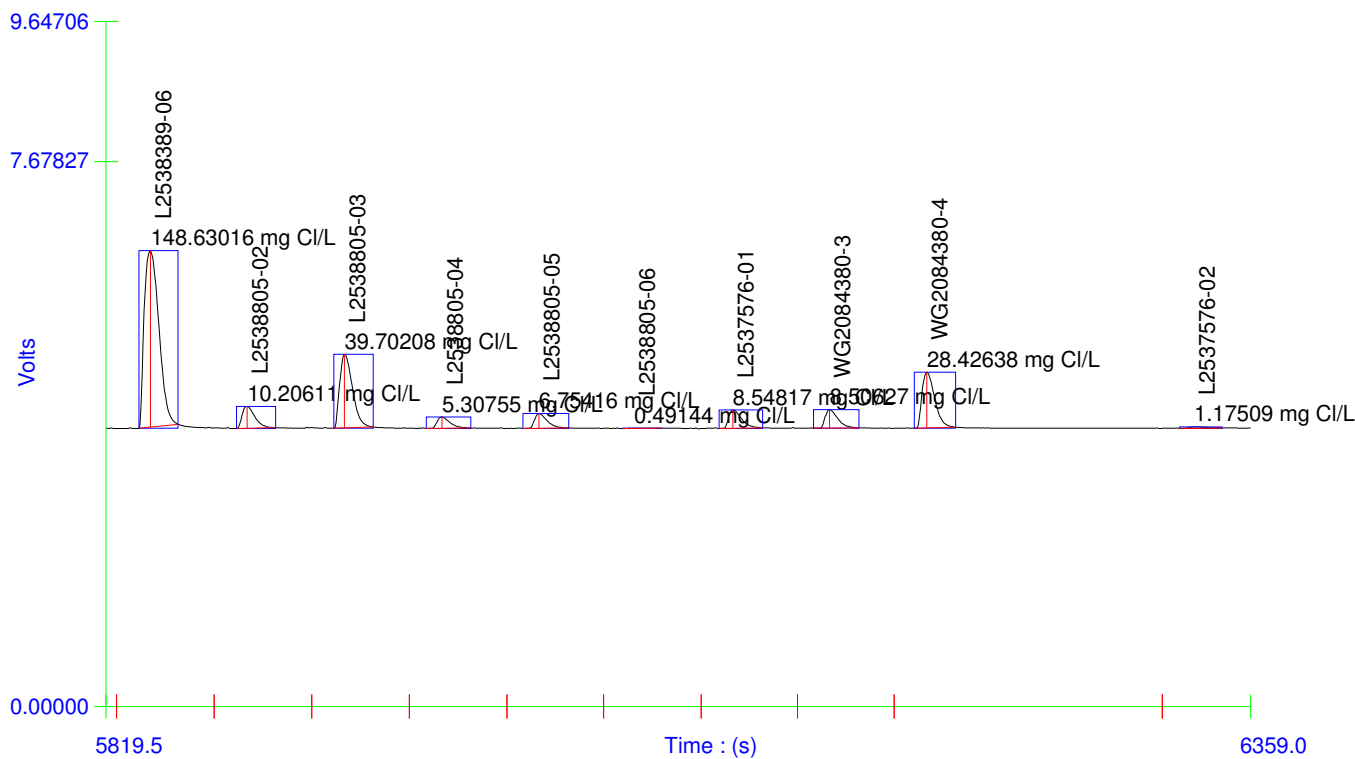
Author:

Date : 6/27/2025

Channel 1 (Chloride) - Set: 11 / 17



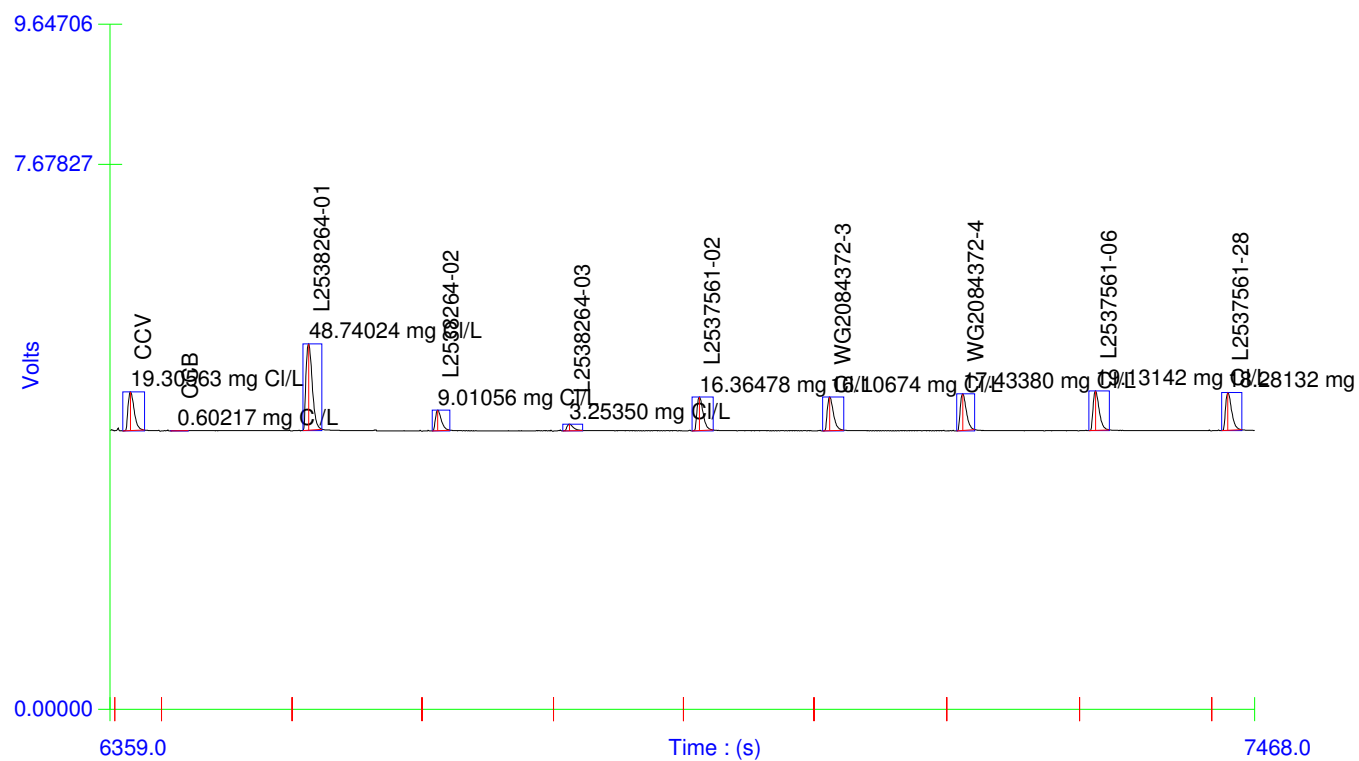
Channel 1 (Chloride) - Set: 12 / 17



Author:

Date : 6/27/2025

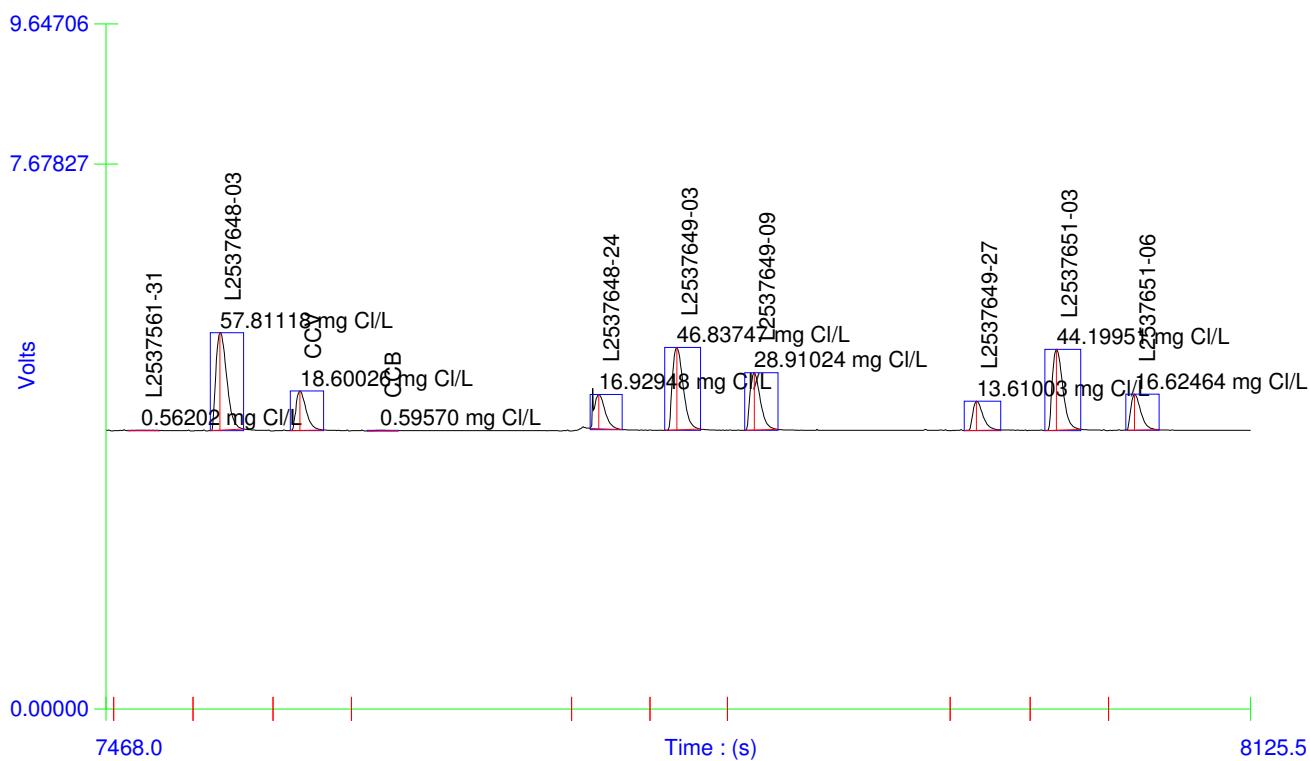
Channel 1 (Chloride) - Set: 13 / 17



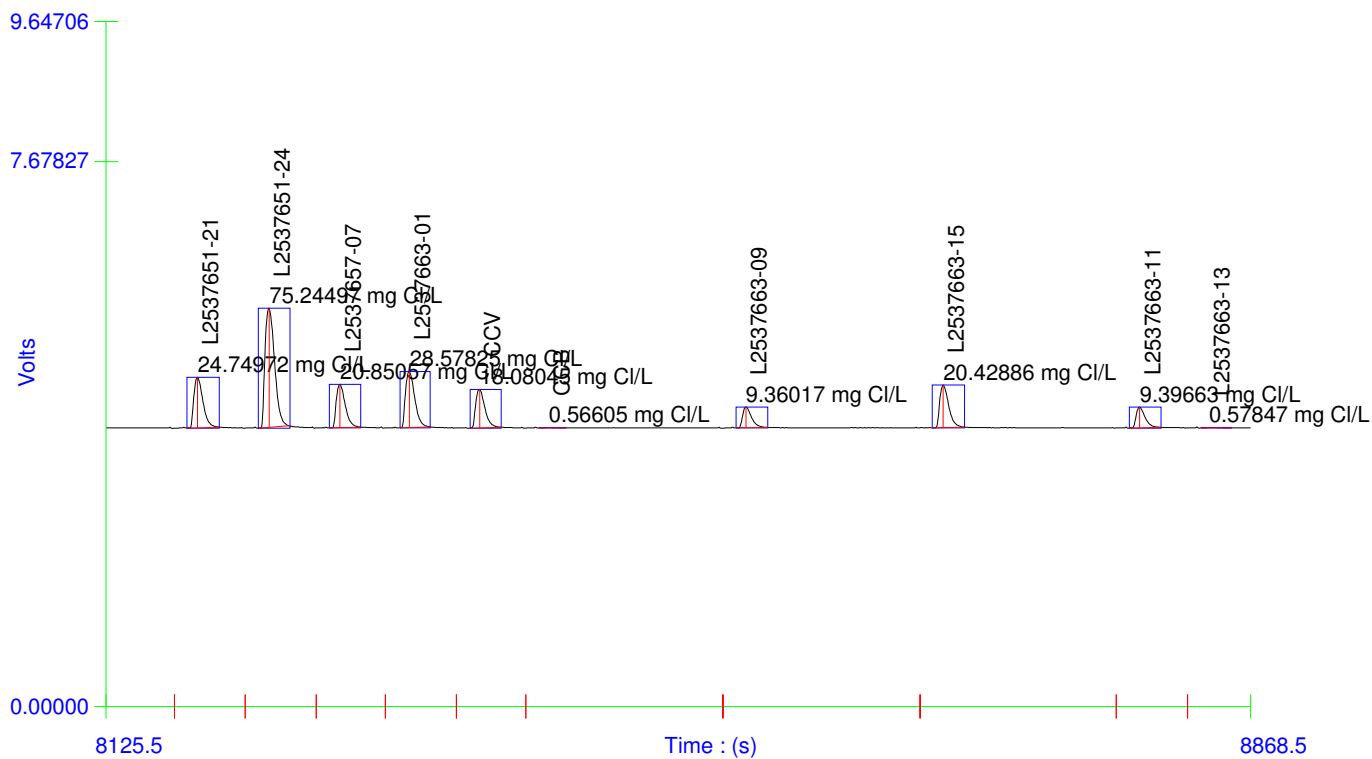
Author:

Date : 6/27/2025

Channel 1 (Chloride) - Set: 14 / 17



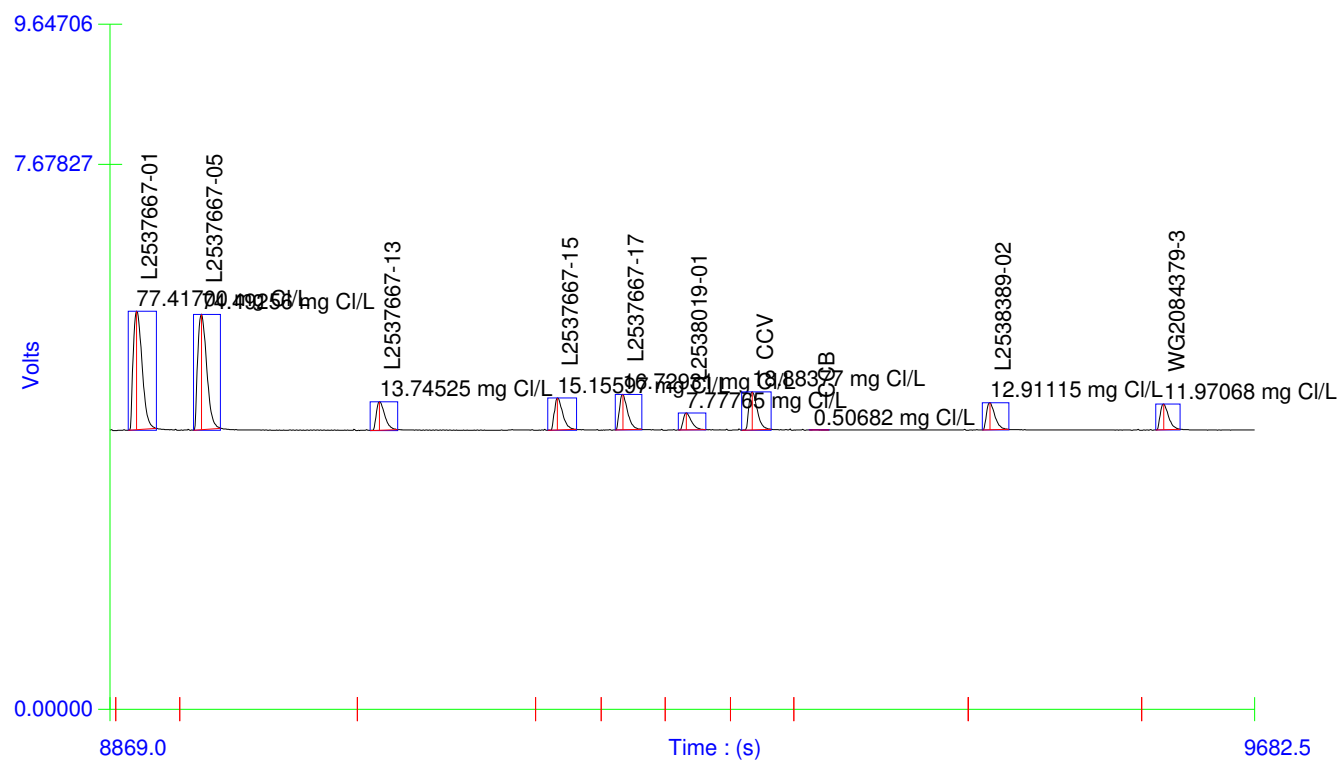
Channel 1 (Chloride) - Set: 15 / 17



Author:

Date : 6/27/2025

Channel 1 (Chloride) - Set: 16 / 17



Author:

Date : 6/27/2025

Channel 1 (Chloride) - Set: 17 / 17

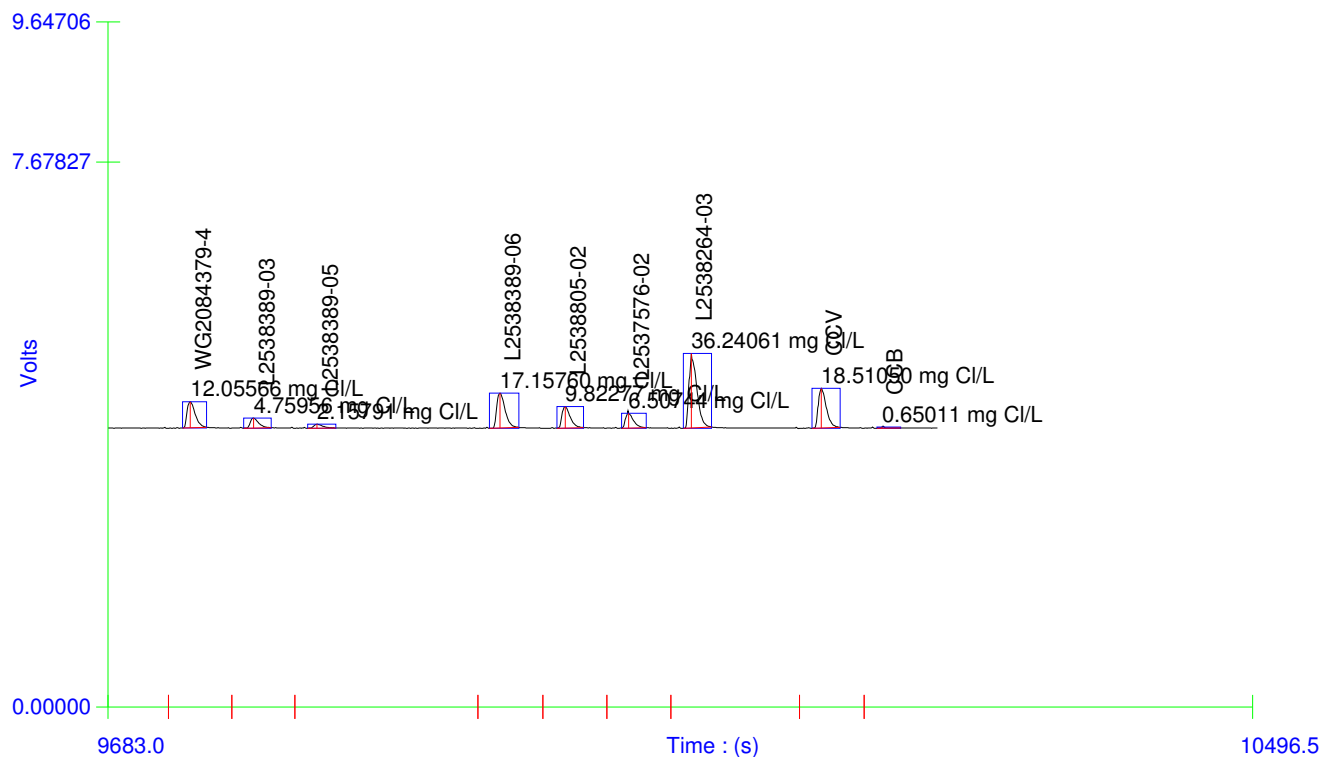
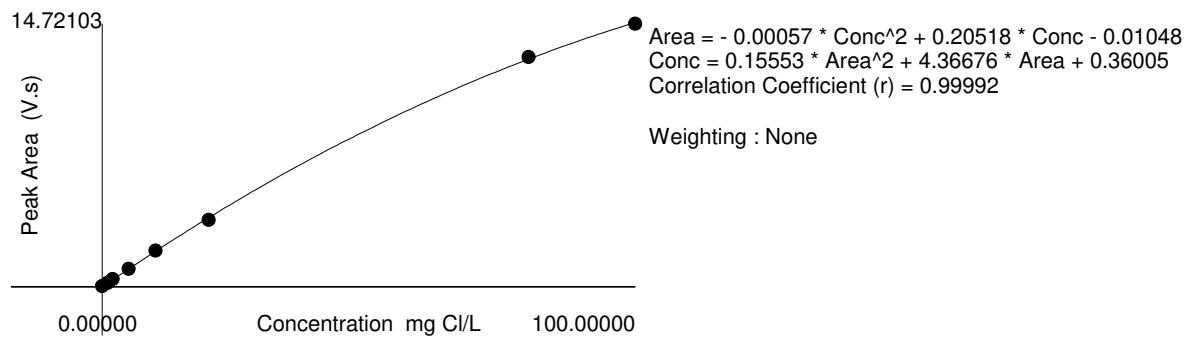


Table : 1 (Chloride-CH3)

	Known Conc. (mg Cl/L)	Rep.	Peak Area (V.s)	Peak Height (V)	% RSD	% Residual	Det. Conc (mg Cl/L)	Detection Date	Detection Time
1	100.00000	1	14.72103	1.95549	0.0	0.5	98.34753	6/27/2025	1:14:26 PM
2	80.00000	1	12.86384	1.74892	0.0	-0.9	82.26991	6/27/2025	1:15:11 PM
3	20.00000	1	3.72980	0.54186	0.0	3.5	18.81079	6/27/2025	1:15:58 PM
4	10.00000	1	2.01485	0.29986	0.0	-1.5	9.78981	6/27/2025	1:16:43 PM
5	5.00000	1	0.98941	0.14159	0.0	1.2	4.83281	6/27/2025	1:17:30 PM
6	2.00000	1	0.41631	0.05680	0.0	-4.7	2.20493	6/27/2025	1:18:17 PM
7	1.00000	1	0.20196	0.02728	0.0	-4.0	1.24828	6/27/2025	1:19:04 PM
8	0.00000	1	0.03109	0.00439			0.49594	6/27/2025	1:19:49 PM

Figure : 1 (Chloride-CH3)



Quality Control

Form 5a Matrix Spike

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Client Sample ID	: MW-4S	Matrix	: WATER
Lab Sample ID	: L2538805-01		
Matrix Spike	: WG2084376-4	MS Analysis Date	: 06/27/25 14:48
Matrix Spike Dup	:	MSD Analysis Date	:

Parameter	Sample Conc. (mg/l)	Matrix Spike Sample		%R	Matrix Spike Duplicate		%R	RPD	Recovery Limits	RPD Limit
		Spike Added (mg/l)	Spike Conc. (mg/l)		Spike Added (mg/l)	Spike Conc. (mg/l)				
Chloride	31.	20	50.	95					58-140	7



Form 5a Matrix Spike

Client : Roux Env. Eng. & Geology, DPC	Lab Number : L2538805
Project Name : CORAM GROUNDWATER EVENT	Project Number : 2232.0006Y005
Client Sample ID : NA	Matrix : WATER
Lab Sample ID : L2538389-02	
Matrix Spike : WG2084379-4	MS Analysis Date : 06/27/25 16:08
Matrix Spike Dup :	MSD Analysis Date :

Parameter	Sample Conc. (mg/l)	Matrix Spike Sample		%R		Matrix Spike Duplicate		RPD	Recovery Limits	RPD Limit
		Spike Added (mg/l)	Spike Conc. (mg/l)			Spike Added (mg/l)	Spike Conc. (mg/l)			
Chloride	1300	20	1200	0	Q				58-140	7



Form 6 Lab Duplicates

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Client Sample ID	: MW-4S	Matrix	: WATER
Lab Sample ID	: L2538805-01	Analysis Date	: 06/27/25 14:47
Dup Sample ID	: WG2084376-3	DUP Analysis Date	: 06/27/25 14:48

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Chloride	31.	32.	3	7



Form 6 Lab Duplicates

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Client Sample ID	: NA	Matrix	: WATER
Lab Sample ID	: NA	Analysis Date	: 06/27/25 16:04
Dup Sample ID	: WG2084379-3	DUP Analysis Date	: 06/27/25 16:06

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Chloride	1300	1200	8 Q	7



Form 7

Laboratory Control Sample

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM GROUNDWATER EVENT
 Client Sample ID : NA
 Lab Sample ID : WG2084376-2
 Dup Sample ID :

Lab Number : L2538805
 Project Number : 2232.0006Y005
 Matrix : WATER
 LCS Analysis Date : 06/27/25 13:39
 LCSD Analysis Date :

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/l)	Found (mg/l)	%R	True (mg/l)	Found (mg/l)	%R			
Chloride	30.0	28.0	93.					90-110	7



Form 7

Laboratory Control Sample

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM GROUNDWATER EVENT
 Client Sample ID : NA
 Lab Sample ID : WG2084379-2
 Dup Sample ID :
 Lab Number : L2538805
 Project Number : 2232.0006Y005
 Matrix : WATER
 LCS Analysis Date : 06/27/25 13:41
 LCSD Analysis Date :

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/l)	Found (mg/l)	%R	True (mg/l)	Found (mg/l)	%R			
Chloride	30.0	27.0	90.					90-110	7



Date Created: 11/11/21
Created By: Jason Hebert
File: PM11467-1
Page: 1

WETCHEM (WATER)

[illegible]

Please Note that the RL Information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the Information provided in this table is subject to change at anytime at the discretion of the laboratory.

Date Created: 11/11/21
Created By: Jason Hebert
File: PM11468-1
Page: 1

WETCHEM (SOIL)

[illegible]

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the Information provided in this table is subject to change at anytime at the discretion of the laboratory.

Calculations of Chloride

Aqueous samples:

Compute sample Chloride concentration by comparing sample peak areas with standard curve, as determined by the Lachat instrument software.

Calculate results by using reading on Channel 2 (Chloride)

To compute the final results for aqueous samples, multiply the direct reading by the dilution factor. (also done using software)

$$\text{Cl mg/L} = \text{mg/L direct reading} \times \text{dilution factor}$$

Sequence Logs

From Page No. _____			
1	ECV 5	38	W62084374-30up
2	20	39	4m) 77 38805-01
3	80	40	37651-06
4	ECB	41	-09
5	100ppm 10	42	-12
6	W62084372-1 B1K	43	-15
7	-8 LCS	44	-18
8	W62084374-1 B1K	45	-21
9	-8 LCS	46	-24
10	W62084376-1 B1K	47	32657-01
11	-8 LCS	48	-03
12	W62084379/80-1 B1K	49	-05
13	-8 LCS	50	-07
14	32561-02	51	-09
15	W62084372-30up	52	-11
16	-4m)	53	37660-01
17	37561-06	54	-03
18	-28	55	-05
19	-31	56	-07
20	37648-03	57	-09
21	-06	58	-11
22	-09	59	-13
23	-12	60	37663-03-01
24	-15	61	-05-03
25	-18	62	-05
26	-21	63	-07
27	-24	64	-09
28	37649-03	65	-11
29	-06	66	-13
30	-09	67	-15
31	-12	68	37662-01
32	-15	69	-03
33	-18	70	-05
34	-21	71	-07
35	-24	72	-09
36	-27	73	-11
37	37651-03	74	-13
		75	-15
		76	37667-17
		77	38805-01
		78	W62084376-30up
		79	-4m)
		80	38019-01
		81	-02
		82	-03
		83	-04
		84	-05
		85	38389-02
		86	W62084379-30up
		87	-4m)
		88	38389-03
		89	-04
		90	-05
		91	-06
		92	38865-02
		93	-03
		94	-04
		95	-05
		96	-06 ELS
		97	32576-01
		98	W62084380-30up
		99	-4m)
		100	37576-02
		101	38264-01
		102	-02
		103	-03

To Page No. _____

Witnessed & Understood by me, _____

Date _____

Invented by: _____

Date _____

Recorded by: _____

From Page No. _____			
1	ICV 5	38	W62084374-30up
2	20	39	4 m) 77 38805-01
3	80	40	37651-06
4	ICB	41	-09
5	100ppm 10	42	-12
6	W62084372-1 B1K	43	-15
7	-8 LCS	44	-18
8	W62084374-1 B1K	45	-21
9	-8 LCS	46	-24
10	W62084376-1 B1K	47	37657-01
11	-8 LCS	48	-03
12	W62084379/80-1 B1K	49	-05
13	-8 LCS	50	-07
14	32561-02	51	-09
15	W62084372-30up	52	-11
16	-4 m)	53	37660-01
17	37561-06	54	-03
18	-28	55	-05
19	-31	56	-07
20	37648-03	57	-09
21	-06	58	-11
22	-09	59	-13
23	-12	60	37663-03-01
24	-15	61	-05-03
25	-18	62	-05
26	-21	63	-07
27	-24	64	-09
28	37649-03	65	-11
29	-06	66	-13
30	-09	67	-15
31	-12	68	37662-01
32	-15	69	-03
33	-18	70	-05
34	-21	71	-07
35	-24	72	-09
36	-27	73	-11
37	37651-03	74	-13
		75	-15
		76	37667-17
		77	38805-01
		78	W62084376-30up
		79	-4 m)
		80	38019-01
		81	-02
		82	-03
		83	-04
		84	-05
		85	38389-02
		86	W62084379-30up
		87	-4 m)
		88	38389-03
		89	-04
		90	-05
		91	-06
		92	38865-02
		93	-03
		94	-04
		95	-05
		96	-06 EBS
		97	37576-01
		98	W62084380-30up
		99	-4 m)
		100	37576-02
		101	38264-01
		102	-02
		103	-03

To Page No. _____

Witnessed & Understood by me, _____

Date _____

Invented by: _____

Date _____

Recorded by: _____

Fluoride Analysis

Results

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-01	Date Collected	: 06/19/25 11:10
Client ID	: MW-4S	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 06/24/25 05:38
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500F-BC	Analyst	: DTH
Lab File ID	: WG2082536.csv	Instrument ID	:
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 06/24/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16984-48-8	Fluoride	0.04	0.20	0.01	J

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-02	Date Collected	: 06/19/25 11:05
Client ID	: MW-4D2	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 06/24/25 05:38
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500F-BC	Analyst	: DTH
Lab File ID	: WG2082536.csv	Instrument ID	:
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 06/24/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16984-48-8	Fluoride	0.05	0.20	0.01	J

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-03	Date Collected	: 06/19/25 10:00
Client ID	: SCDOH-DR	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 06/23/25 05:53
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500F-BC	Analyst	: DTH
Lab File ID	: WG2082083.csv	Instrument ID	:
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 06/23/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16984-48-8	Fluoride	0.02	0.20	0.01	J

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-04	Date Collected	: 06/19/25 08:38
Client ID	: MW-10S	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 06/23/25 05:53
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500F-BC	Analyst	: DTH
Lab File ID	: WG2082083.csv	Instrument ID	:
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 06/23/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16984-48-8	Fluoride	0.03	0.20	0.01	J

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-05	Date Collected	: 06/19/25 08:50
Client ID	: MW-10D	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 06/24/25 05:38
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500F-BC	Analyst	: DTH
Lab File ID	: WG2082536.csv	Instrument ID	:
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 06/24/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16984-48-8	Fluoride	0.07	0.20	0.01	J

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-06	Date Collected	: 06/19/25 12:00
Client ID	: EQUIPMENT BLANK	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 06/24/25 05:38
Sample Matrix	: Equipment Blank	Dilution Factor	: 1
Analytical Method	: 121,4500F-BC	Analyst	: DTH
Lab File ID	: WG2082536.csv	Instrument ID	:
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 06/24/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16984-48-8	Fluoride	ND	0.20	0.01	U

Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: WG2082083-1	Date Collected	: NA
Client ID	: WG2082083-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 06/23/25 05:53
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500F-BC	Analyst	: DTH
Lab File ID	: WG2082083.csv	Instrument ID	:
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 06/23/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16984-48-8	Fluoride	ND	0.20	0.01	U



Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: WG2082083-3	Date Collected	: 06/09/25 13:25
Client ID	: WG2082083-3 DUP	Date Received	: 06/10/25
Sample Location	:	Date Analyzed	: 06/23/25 05:53
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500F-BC	Analyst	: DTH
Lab File ID	: WG2082083.csv	Instrument ID	:
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 06/23/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16984-48-8	Fluoride	0.03	0.20	0.02	J

Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: WG2082536-1	Date Collected	: NA
Client ID	: WG2082536-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 06/24/25 05:38
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500F-BC	Analyst	: DTH
Lab File ID	: WG2082536.csv	Instrument ID	:
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 06/24/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16984-48-8	Fluoride	ND	0.20	0.01	U



Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: WG2082536-3	Date Collected	: 06/18/25 13:22
Client ID	: WG2082536-3 DUP	Date Received	: 06/18/25
Sample Location	:	Date Analyzed	: 06/24/25 05:38
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500F-BC	Analyst	: DTH
Lab File ID	: WG2082536.csv	Instrument ID	:
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 06/24/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
16984-48-8	Fluoride	0.04	0.20	0.02	J

Sample Raw Data

PACE ANALYTICAL LABS
WET CHEMISTRY DEPARTMENT
FLUORIDE

Last Change 03/4/13
File Flouride.xlt

Sample Number: _____

Client: _____

Product: F-4500
Analysis Analyte: Fluoride,
Analysis Date: 6/24/2025 5:38
Technician: DTH
Work group: WG2082536
RL: 0.20 mg/L
Distillation Date: 6/24/2025 1:47

Analysis: FLUORIDE
Method: SM 4500F-BC
LCS Concentration (mg/l): 2
Spike Concentration (mg/l): 1

Standard ID mg/L	Log Std-d	Reading mV	Result, Curve	Antilog Result	% Recovery	Calibration Curve Slope y-intercept
0.2	-0.699	129.2	-0.701	0.1992	100	-59.6542431 87.4
0.5	-0.301	105.3	-0.300	0.5011	100	
1.0	0.000	87.3	0.002	1.0039	100	Correlation Coefficient
10	1.000	27.8	0.999	9.979	100	0.99999765

	Sample number	Sample Volume (ml)	Distill Volume (ml)	Flask	Reagent	Dilution Factor	Meter Reading	RL Multiplier	FINAL RESULT (mg/l)	Recovery
	ICB	50	50		YES	1.00	0	1.00	0.00	
	ICV	50	50		YES	1.00	0.984	1.00	0.98	98%
SAMP	L2538382-06	50	50		YES	1.00	0.0375	1.00	0.04	
SAMP	L2538805-01	50	50		YES	1.00	0.0361	1.00	0.04	
SAMP	L2538805-02	50	50		YES	1.00	0.0478	1.00	0.05	
SAMP	L2538805-05	50	50		YES	1.00	0.0702	1.00	0.07	
SAMP	L2538805-06	50	50		YES	1.00	0.00729	1.00	0.01	
	CCV	50	50		YES	1.00	0.993	1.00	0.99	
	CCB	50	50		YES	1.00	0	1.00	0.00	
	CCV	50	50		YES	1.00	0.987	1.00	0.99	
	CCB	50	50		YES	1.00	0	1.00	0.00	
						1.00		1.00		
						1.00		1.00		
						1.00		1.00		
						1.00		1.00		
						1.00		1.00		
						1.00		1.00		
						1.00		1.00		
						1.00		1.00		
						1.00		1.00		
						1.00		1.00		
						1.00		1.00		
BLANK	WG2082536-1	50	50		YES	1.00	0	1.00	0.00	
DUP	WG2082536-3	50	50		YES	1.00	0.0356	1.00	0.04	L2538382-06
	sample	sample	Distill			Sample	Meter	Spike conc.	Spike	Recovery
	Sample number	volume	volume (ml)	Flask	Reagent	Result mg/l	Reading	mg/l	Result mg/l	%
MS	WG2082536-4	50	50		YES	.04	0.989	1	0.99	95
LCS	WG2082536-2	50	50		YES		1.72	2	1.72	86

last sample

PACE ANALYTICAL LABS
WET CHEMISTRY DEPARTMENT
FLUORIDE

Last Change 03/4/13
File Flouride.xlt

Sample Number: _____

Client: _____

Product: F-4500
Analysis Analyte: Fluoride,
Analysis Date: 6/23/2025 5:53
Technician: DTH
Work group: WG2082083
RL: 0.20 mg/L
Distillation Date: 6/23/2025 0:41

Analysis: FLUORIDE
Method: SM 4500F-BC
LCS Concentration (mg/l): 2
Spike Concentration (mg/l): 1

Standard ID mg/L	Log Std-d	Reading mV	Result, Curve	Antilog Result	% Recovery	Calibration Curve Slope y-intercept
0.2	-0.699	128.8	-0.704	0.1978	99	-59.7870317 86.725
0.5	-0.301	104.6	-0.299	0.5024	100	
1.0	0.000	86.4	0.005	1.0126	101	Correlation Coefficient
10	1.000	27.1	0.997	9.938	99	0.99997989

	Sample number	Sample Volume (ml)	Distill Volume (ml)	Flask	Reagent	Dilution Factor	Meter Reading	RL Multiplier	FINAL RESULT (mg/l)	Recovery
	ICB	50	50		YES	1.00	0	1.00	0.00	
	ICV	50	50		YES	1.00	0.968	1.00	0.97	97%
SAMP	L2536247-12	50	50		YES	1.00	0.0299	1.00	0.03	
SAMP	L2536247-16	50	50		YES	1.00	0.118	1.00	0.12	
SAMP	L2536247-17	50	50		YES	1.00	0.107	1.00	0.11	
SAMP	L2536930-01	50	50		YES	1.00	0.151	1.00	0.15	
SAMP	L2536930-02	50	50		YES	1.00	0.0668	1.00	0.07	
SAMP	L2536930-03	50	50		YES	1.00	0.0642	1.00	0.06	
SAMP	L2536930-04	50	50		YES	1.00	0.0552	1.00	0.06	
SAMP	L2537748-01	5	50		YES	10.00	1.38	10.00	13.80	
SAMP	L2538382-01	50	50		YES	1.00	0.0389	1.00	0.04	
SAMP	L2538382-02	50	50		YES	1.00	0.0302	1.00	0.03	
SAMP	L2538382-03	50	50		YES	1.00	0.0355	1.00	0.04	
SAMP	L2538382-04	50	50		YES	1.00	0.0373	1.00	0.04	
SAMP	L2538382-05	50	50		YES	1.00	0.026	1.00	0.03	
SAMP	L2538382-07	50	50		YES	1.00	0.0239	1.00	0.02	
SAMP	L2538805-03	50	50		YES	1.00	0.0217	1.00	0.02	
SAMP	L2538805-04	50	50		YES	1.00	0.0264	1.00	0.03	
	CCV	50	50		YES	1.00	0.969	1.00	0.97	
	CCB	50	50		YES	1.00	0	1.00	0.00	
	CCV	50	50		YES	1.00	0.969	1.00	0.97	
	CCB	50	50		YES	1.00	0	1.00	0.00	
BLANK	WG2082083-1	50	50		YES	1.00	0	1.00	0.00	
DUP	WG2082083-3	50	50		YES	1.00	0.0284	1.00	0.03	L2536247-12
	sample	sample	Distill			Sample	Meter	Spike conc.	Spike	Recovery
	Sample number	volume	volume (ml)	Flask	Reagent	Result mg/l	Reading	mg/l	Result mg/l	%
MS	WG2082083-4	50	50		YES	.03	0.991	1	0.99	96
LCS	WG2082083-2	50	50		YES		1.7	2	1.70	85

last sample

Quality Control

Form 5a Matrix Spike

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Client Sample ID	: NA	Matrix	: WATER
Lab Sample ID	: L2536247-12	MS Analysis Date	: 06/23/25 05:53
Matrix Spike	: WG2082083-4	MSD Analysis Date	:
Matrix Spike Dup	:		

Parameter	Sample Conc. (mg/l)	Matrix Spike Sample		%R	Matrix Spike Duplicate		%R	RPD	Recovery Limits	RPD Limit
		Spike Added (mg/l)	Spike Conc. (mg/l)		Spike Added (mg/l)	Spike Conc. (mg/l)				
Fluoride	0.03J	1	0.99	99					69-124	13



Form 5a Matrix Spike

Client : Roux Env. Eng. & Geology, DPC	Lab Number : L2538805
Project Name : CORAM GROUNDWATER EVENT	Project Number : 2232.0006Y005
Client Sample ID : NA	Matrix : WATER
Lab Sample ID : L2538382-06	
Matrix Spike : WG2082536-4	MS Analysis Date : 06/24/25 05:38
Matrix Spike Dup :	MSD Analysis Date :

Parameter	Sample Conc. (mg/l)	Matrix Spike Sample		%R	Matrix Spike Duplicate		%R	RPD	Recovery Limits	RPD Limit
		Spike Added (mg/l)	Spike Conc. (mg/l)		Spike Added (mg/l)	Spike Conc. (mg/l)				
Fluoride	0.04J	1	0.99	99					69-124	13



Form 6 Lab Duplicates

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Client Sample ID	: NA	Matrix	: WATER
Lab Sample ID	: NA	Analysis Date	: 06/23/25 05:53
Dup Sample ID	: WG2082083-3	DUP Analysis Date	: 06/23/25 05:53

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Fluoride	0.03J	0.03J	NC	13

Form 6 Lab Duplicates

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Client Sample ID	: NA	Matrix	: WATER
Lab Sample ID	: NA	Analysis Date	: 06/24/25 05:38
Dup Sample ID	: WG2082536-3	DUP Analysis Date	: 06/24/25 05:38

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Fluoride	0.04J	0.04J	NC	13

Form 7 Laboratory Control Sample

Client : Roux Env. Eng. & Geology, DPC Project Name : CORAM GROUNDWATER EVENT Client Sample ID : NA Lab Sample ID : WG2082083-2 Dup Sample ID :	Lab Number : L2538805 Project Number : 2232.0006Y005 Matrix : WATER LCS Analysis Date : 06/23/25 05:53 LCSD Analysis Date :
--	--

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/l)	Found (mg/l)	%R	True (mg/l)	Found (mg/l)	%R			
Fluoride	2.00	1.70	85.					78-120	13

Form 7
Laboratory Control Sample

Client : Roux Env. Eng. & Geology, DPC
Project Name : CORAM GROUNDWATER EVENT
Client Sample ID : NA
Lab Sample ID : WG2082536-2
Dup Sample ID :

Lab Number : L2538805
Project Number : 2232.0006Y005
Matrix : WATER
LCS Analysis Date : 06/24/25 05:38
LCSD Analysis Date :

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/l)	Found (mg/l)	%R	True (mg/l)	Found (mg/l)	%R			
Fluoride	2.00	1.70	86.					78-120	13

Date Created: 11/11/21
Created By: Jason Hebert
File: PM11467-1
Page: 1

WETCHEM (WATER)

[illegible]

Please Note that the RL Information provided in this table is calculated using a 100% Solids factor. (Soll/Solids only)
Please Note that the Information provided in this table is subject to change at anytime at the discretion of the laboratory.

Date Created: 11/11/21
Created By: Jason Hebert
File: PM11468-1
Page: 1

WETCHEM (SOIL)

[illegible]

Please Note that the RL Information provided in this table is calculated using a 100% Solids factor. (Soll/Solids only)
Please Note that the Information provided in this table is subject to change at anytime at the discretion of the laboratory.

Calculations of Fluoride

When the volume of the distillate is the same as the volume of the sample used, the direct determination of Fluoride concentration is the instrument's result.

However, when analyzing soil samples or high level samples requiring a dilution, the following equations apply:

For liquids:

$$\text{Fluoride, mg/L} = (\text{mg F-/L}) \times (\text{Volume of Distillate, mL}) / \text{Volume of Sample, mL}$$

For solids:

$$\text{Fluoride, mg/Kg} = (\text{mg F-/L}) \times (\text{Volume of Distillate, mL}) / \text{Weight of Sample, gm}$$

To calculate final result for soil samples based on dry weight, multiply final result on 100 and divide on %TS (in %)

Sample Preparation

TITLE

PROJECT

Continued from Page

WG2082536

WG2082538

Analyst: DTH

Date & Time: 6/24/25 5:38

ICV:F 06152025 700 ppm

LCS:F 06152025 700 ppm

Spike:F 06152025 - 100 ppm

Curve:WC- 3575

TISAB III: R- 4367

STD MV
0.2 129.2
0.5 105.3
1.0 87.3
10.0 27.5

Sample	Volume	Final Volume	Meter
ICV	50 mL	50 mL	0.984
ICB			0.0
Blank			0.0
LCS			1.72
38382-06			0.0375
-Dup 016			0.0356
-MS 016			0.984
38805-01			0.0361
-02			0.0478
-03			0.0702
-06			0.00729
36640-01			0.734
CCV			0.993
CCB			0.0
-02			0.703
37088-01			1.04
-02			1.33
-03			1.03
37398-01			0.119
-02			1.16
-03			0.996
-04			0.694
-05			0.00731
CCV			0.987
CCB			0.0

Continued from Page

SIGNATURE

DATE

DISCLOSED TO AND UNDERSTOOD BY

DATE

PROPRIETARY INFORMATION

Tube	Sample	Volume	Final Volume	Block	Comments
1	Blank	50 mL	50 mL	Phenol #2	DTH 6/24/25 01:47
2	LCS				1.0 mL FO6152025-100ppm
3	38382-06				
4	-Dup 06				
5	-MS 06				0.5 mL FO6152025-100ppm
6	38805-01				
7	-02				
8	-05				
9	-06				
10	36690-01				
11	-02				
12	37088-03 01				
13	^{DTH} ^{Glycerol} 04 02				
14	-05 03				
15	37398-01				
16	02				
17	63				
18	64				
19	05				
20	34495-54				

TITLE

PROJECT

Continued from Page

WG2082083



Analyst: DT H

Date & Time: 6/23/25 06:53

ICV:F 06152025-100 ppm

LCS:F 06152025-100 ppm

Spike:F 06152025-100 ppm

Curve:WC- 3575

TISAB III: R- 4367

STD	MV
0.2	128.8
0.5	104.6
1.0	86.4
10.0	27.1

Sample	Volume	Final Vol	Meter
ICV	50 mL	50 mL	0.968
ICB			0.0
Blank			0.0
LCS			1.70
36247-12			0.0299
-Dip12			0.0284
-ms12			0.991
-16			0.118
-17			0.107
36930-01			0.151
-02			0.0668
-03			0.0642
CUV			0.964
CUB			0.0
-04			0.0552
37748-01	10x (5 mL, 50 mL)		1.38
38382-01			0.0389
-02			0.0302
-03			0.0355
-04			0.0373
-05			0.0260
-07			0.0239
38805-03			0.0217
-04			0.0264
CUV			0.0 - 0.969
CUB			0.0

Continued from Page

SIGNATURE

DATE

DISCLOSED TO AND UNDERSTOOD BY

DATE

PROPRIETARY INFORMATION

TITLE _____

Book No. _____

Confident

From Page No. _____

Tube	Sample	Volume	Final Volume	Block	Comments
1	Blank	50mL	50mL	Phenol #2	DTH 6/23/25 00:41
2	LCS				1.0mL F06152025-100ppm
3	36247-12				
4	-Dup 12				
5	-ms 12				0.5mL F06152025-100ppm
6	-116				
7	-17				
8	36430-01				
9	-02				
10	-03				
11	-04				
12	37748-01	10x (5mL 50mL)			
13	38382-01	50mL			
14	-02				
15	-03				
16	-04				
17	-05				
18	-07				
19	38805-03				
20	-04				

To Page No. _____

Witnessed & Understood by me, _____

Date _____

Invented by: _____

Date _____

Recorded by: _____

Phosphates Analysis

Results

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-01	Date Collected	: 06/19/25 11:10
Client ID	: MW-4S	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 06/29/25 17:38
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500P-E(M)	Analyst	: MEF
Lab File ID	: PHOS062925-WG2084951	Instrument ID	: SEAL2
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 06/29/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7723-14-0	Phosphate, Total	0.034	0.031	0.012	



Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-02	Date Collected	: 06/19/25 11:05
Client ID	: MW-4D2	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 06/29/25 17:39
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500P-E(M)	Analyst	: MEF
Lab File ID	: PHOS062925-WG2084951	Instrument ID	: SEAL2
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 06/29/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7723-14-0	Phosphate, Total	0.077	0.031	0.012	

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-03	Date Collected	: 06/19/25 10:00
Client ID	: SCDOH-DR	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 06/29/25 17:44
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500P-E(M)	Analyst	: MEF
Lab File ID	: PHOS062925-WG2084951	Instrument ID	: SEAL2
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 06/29/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7723-14-0	Phosphate, Total	0.034	0.031	0.012	

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-04	Date Collected	: 06/19/25 08:38
Client ID	: MW-10S	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 06/29/25 17:45
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500P-E(M)	Analyst	: MEF
Lab File ID	: PHOS062925-WG2084951	Instrument ID	: SEAL2
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 06/29/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7723-14-0	Phosphate, Total	0.080	0.031	0.012	

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-05	Date Collected	: 06/19/25 08:50
Client ID	: MW-10D	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 06/29/25 17:46
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500P-E(M)	Analyst	: MEF
Lab File ID	: PHOS062925-WG2084951	Instrument ID	: SEAL2
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 06/29/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7723-14-0	Phosphate, Total	0.083	0.031	0.012	

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-06	Date Collected	: 06/19/25 12:00
Client ID	: EQUIPMENT BLANK	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 07/01/25 19:26
Sample Matrix	: Equipment Blank	Dilution Factor	: 1
Analytical Method	: 121,4500P-E(M)	Analyst	: MEF
Lab File ID	: PHOS070125-WG2085799	Instrument ID	: SEAL2
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 07/01/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7723-14-0	Phosphate, Total	0.037	0.031	0.012	

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: WG2084951-1	Date Collected	: NA
Client ID	: WG2084951-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 06/29/25 17:22
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500P-E(M)	Analyst	: MEF
Lab File ID	: PHOS062925-WG2084951	Instrument ID	: SEAL2
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 06/29/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7723-14-0	Phosphate, Total	0.012	0.031	0.012	J

Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: WG2084951-3	Date Collected	: 06/19/25 11:05
Client ID	: MW-4D2DUP	Date Received	: 06/19/25
Sample Location	:	Date Analyzed	: 06/29/25 17:42
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500P-E(M)	Analyst	: MEF
Lab File ID	: PHOS062925-WG2084951	Instrument ID	: SEAL2
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 06/29/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7723-14-0	Phosphate, Total	0.077	0.031	0.012	



Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: WG2085799-1	Date Collected	: NA
Client ID	: WG2085799-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 07/01/25 17:27
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500P-E(M)	Analyst	: MEF
Lab File ID	: PHOS070125-WG2085799	Instrument ID	: SEAL2
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 07/01/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7723-14-0	Phosphate, Total	0.018	0.031	0.012	J

Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: WG2085799-3	Date Collected	: 06/18/25 08:30
Client ID	: WG2085799-3 DUP	Date Received	: 06/18/25
Sample Location	:	Date Analyzed	: 07/01/25 17:46
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 121,4500P-E(M)	Analyst	: MEF
Lab File ID	: PHOS070125-WG2085799	Instrument ID	: SEAL2
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	: 07/01/25

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
7723-14-0	Phosphate, Total	0.614	0.031	0.012	

Sample Raw Data

AQ2 Tray Report



Software version : 2.4.5
Report requested by : MFlaherty
Date \ Time : 01-Jul-2025 19:32:05
Tray number : 1
Tray name : WG2085759,99,4981

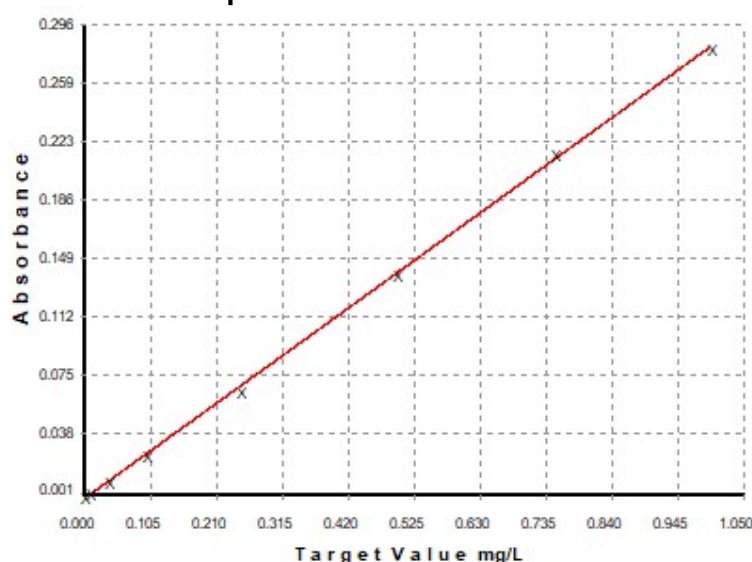
T-Phos 1

Calibration Chart

Type	Absorbance	Calc mg/L	Target mg/L	% Error
S1	0.0015	0.006	0.000	
S90	0.0040	0.015	0.010	47.03
S91	0.0109	0.039	0.040	-2.09
S92	0.0275	0.098	0.100	-2.26
S93	0.0672	0.238	0.250	-4.90
S94	0.1406	0.496	0.500	-0.72
S95	0.2161	0.763	0.750	1.69
S96	0.2821	0.996	1.000	-0.44
S0	0.0011	0.005	0.000	

Polynomial Order : 1
 Correlation Coefficient : 0.9998
 Carryover(%) : -0.1
 Calibration equation: $y = bx + a$
 y =: Concentration mg/L
 x =: Measured absorbance
 a =: 7.419526E-04
 b =: 3.526129E+00
 Date & Time : 01-Jul-2025 17:03:38

Calibration Graph



Reagents

Reagent Name	Batch Number	Operator	Expiry Date
TP Working Color	TP Color-06292025	MEF	20-Jul-2025 00:00:00
TP Ascorbic	TP Ascorbic-06292025	MEF	06-Jul-2025 00:00:00

Test Results

Cup Type	ID	Sample Details	Result	Units	QC Pro	Raw Data	Auto Dil.	Man Dil.	User	Time & Date
S1	Standard 1		0.001			0.001496			MEF	01-Jul-2025 16:55:54
S90	Standard 90		0.004			0.003959			MEF	01-Jul-2025 16:56:52
S91	Standard 91		0.011			0.010896			MEF	01-Jul-2025 16:57:50
S92	Standard 92		0.028			0.027508			MEF	01-Jul-2025 16:58:48
S93	Standard 93		0.067			0.067214			MEF	01-Jul-2025 16:59:46
S94	Standard 94		0.141			0.140563			MEF	01-Jul-2025 17:00:44
S95	Standard 95		0.216			0.216076			MEF	01-Jul-2025 17:01:42
S96	Standard 96		0.282			0.282136			MEF	01-Jul-2025 17:02:40
S0	Standard 0		0.001			0.001113			MEF	01-Jul-2025 17:03:38
2	ICV	ICV 1-JUL-2025 15-55	0.489	mg/L		0.138562			MEF	01-Jul-2025 17:04:37
3	ICB	ICB 1-JUL-2025 15-55	0.006	mg/L		0.001421			MEF	01-Jul-2025 17:26:46
3	ICB	ICB 1-JUL-2025 15-55	0.084	mg/L		0.023726			MEF	01-Jul-2025 17:05:37
4	U1	WG2085797-1 1-JUL-2025 15-55	0.006	mg/L		0.001624			MEF	01-Jul-2025 17:27:47
5	U2	WG2085797-2 1-JUL-2025 15-55	0.497	mg/L		0.140876			MEF	01-Jul-2025 17:28:46
6	U3	L2537675-01 1-JUL-2025 15-55	0.006ELL	mg/L		0.001469			MEF	01-Jul-2025 17:29:45
7	U4	L2537675-02 1-JUL-2025 15-55	0.008	mg/L		0.002127			MEF	01-Jul-2025 17:30:44
8	U5	L2537794-01-5 1-JUL-2025 15-55	6.406	mg/L		0.072458	x5.0000	x5.0000	MEF	01-Jul-2025 18:40:35
8	U5	L2537794-01-5 1-JUL-2025 15-55	6.409	mg/L		0.363303		x5.0000	MEF	01-Jul-2025 17:31:43
9	U6	L2537794-02 1-JUL-2025 15-55	0.398	mg/L		0.112535			MEF	01-Jul-2025 17:32:42

10	U7	L2537859-01	1-JUL-2025 15-55	0.192	mg/L	0.054155			MEF	01-Jul-2025 17:33:41
11	U8	L2537859-02	1-JUL-2025 15-55	0.082	mg/L	0.023116			MEF	01-Jul-2025 17:34:40
12	U9	L2538195-01	1-JUL-2025 15-55	0.132	mg/L	0.037148			MEF	01-Jul-2025 17:35:39
13	U10	L2538256-01	1-JUL-2025 15-55	0.064	mg/L	0.018033			MEF	01-Jul-2025 17:36:38
	CCV	CCV		0.512	mg/L	0.145130			MEF	01-Jul-2025 17:37:36
	CCB	CCB		0.005	mg/L	0.001301			MEF	01-Jul-2025 17:38:37
14	U11	L2538257-01	1-JUL-2025 15-55	0.019	mg/L	0.005298			MEF	01-Jul-2025 17:39:38
15	U12	L2538258-01	1-JUL-2025 15-55	0.030	mg/L	0.008275			MEF	01-Jul-2025 17:40:36
16	U13	L2538400-01	1-JUL-2025 15-55	0.128	mg/L	0.036144			MEF	01-Jul-2025 17:41:34
17	U14	L2538400-02	1-JUL-2025 15-55	0.091	mg/L	0.025610			MEF	01-Jul-2025 17:42:32
18	U15	L2538400-03	1-JUL-2025 15-55	0.108	mg/L	0.030552			MEF	01-Jul-2025 17:43:30
19	U16	L2538412-01	1-JUL-2025 15-55	0.236	mg/L	0.066726			MEF	01-Jul-2025 17:44:28
20	U17	L2538416-01	1-JUL-2025 15-55	0.200	mg/L	0.056479			MEF	01-Jul-2025 17:45:26
21	U18	WG2085797-3	1-JUL-2025 15-55	0.200	mg/L	0.056614			MEF	01-Jul-2025 17:46:24
22	U19	WG2085797-4	1-JUL-2025 15-55	0.719	mg/L	0.203629			MEF	01-Jul-2025 17:47:22
23	U20	L2538639-01	1-JUL-2025 15-55	0.006ELL	mg/L	0.001444			MEF	01-Jul-2025 17:48:19
	CCV	CCV		0.506	mg/L	0.143424			MEF	01-Jul-2025 17:49:17
	CCB	CCB		0.005	mg/L	0.001157			MEF	01-Jul-2025 17:50:18
24	U21	L2536952-01-10	1-JUL-2025 15-55	41.047	mg/L	0.232605	x5.0000	x10.0000	MEF	01-Jul-2025 18:41:26
24	U21	L2536952-01-10	1-JUL-2025 15-55	23.577	mg/L	0.668420		x10.0000	MEF	01-Jul-2025 17:51:19
25	U22	L2536988-01-10	1-JUL-2025 15-55	121.931	mg/L	0.138107	x25.0000	x10.0000	MEF	01-Jul-2025 19:03:40
25	U22	L2536988-01-10	1-JUL-2025 15-55	107.054	mg/L	0.606991	x5.0000	x10.0000	MEF	01-Jul-2025 18:42:17
25	U22	L2536988-01-10	1-JUL-2025 15-55	32.917	mg/L	0.933309		x10.0000	MEF	01-Jul-2025 17:52:17
26	U23	L2537301-01-10	1-JUL-2025 15-55	149.984	mg/L	0.169930	x25.0000	x10.0000	MEF	01-Jul-2025 19:04:31
26	U23	L2537301-01-10	1-JUL-2025 15-55	123.771	mg/L	0.701812	x5.0000	x10.0000	MEF	01-Jul-2025 18:43:08
26	U23	L2537301-01-10	1-JUL-2025 15-55	33.545	mg/L	0.951121		x10.0000	MEF	01-Jul-2025 17:53:15
27	U24	L2538805-06	1-JUL-2025 15-55	0.012	mg/L	0.003079			MEF	01-Jul-2025 19:26:43
27	U24	L2538805-06	1-JUL-2025 15-55	0.013	mg/L	0.003504			MEF	01-Jul-2025 17:54:13
28	U25	WG2084981-1	1-JUL-2025 15-55	0.007	mg/L	0.001670			MEF	01-Jul-2025 17:55:11
29	U26	WG2084981-2	1-JUL-2025 15-55	0.522	mg/L	0.147738			MEF	01-Jul-2025 17:56:08
30	U27	L2537227-01-2	1-JUL-2025 15-55	0.442	mg/L	0.062474		x2.0000	MEF	01-Jul-2025 17:57:07
31	U28	L2537227-02	1-JUL-2025 15-55	0.045	mg/L	0.012495			MEF	01-Jul-2025 17:58:04
32	U29	L2537261-01	1-JUL-2025 15-55	0.126	mg/L	0.035413			MEF	01-Jul-2025 17:59:03
33	U30	L2537270-01	1-JUL-2025 15-55	0.020	mg/L	0.005439			MEF	01-Jul-2025 18:00:01
	CCV	CCV		0.497	mg/L	0.140811			MEF	01-Jul-2025 18:00:59
	CCB	CCB		0.005	mg/L	0.001169			MEF	01-Jul-2025 18:02:00
34	U31	WG2084981-3	1-JUL-2025 15-55	0.020	mg/L	0.005547			MEF	01-Jul-2025 18:03:01
35	U32	WG2084981-4	1-JUL-2025 15-55	0.526	mg/L	0.149083			MEF	01-Jul-2025 18:04:00
36	U33	L2537270-02	1-JUL-2025 15-55	0.029	mg/L	0.007873			MEF	01-Jul-2025 18:04:58
37	U34	L2537307-01	1-JUL-2025 15-55	0.022	mg/L	0.005933			MEF	01-Jul-2025 18:05:57
38	U35	L2537369-01-5	1-JUL-2025 15-55	8.063	mg/L	0.091257	x5.0000	x5.0000	MEF	01-Jul-2025 18:44:00
38	U35	L2537369-01-5	1-JUL-2025 15-55	7.586	mg/L	0.430091		x5.0000	MEF	01-Jul-2025 18:06:55
39	U36	L2537369-02-5	1-JUL-2025 15-55	8.221	mg/L	0.093048	x5.0000	x5.0000	MEF	01-Jul-2025 18:44:51
39	U36	L2537369-02-5	1-JUL-2025 15-55	7.640	mg/L	0.433111		x5.0000	MEF	01-Jul-2025 18:07:54
40	U37	L2537369-03	1-JUL-2025 15-55	3.898	mg/L	0.220910	x5.0000		MEF	01-Jul-2025 18:45:42
40	U37	L2537369-03	1-JUL-2025 15-55	2.418	mg/L	0.685575			MEF	01-Jul-2025 18:08:53
41	U38	L2537369-04	1-JUL-2025 15-55	3.696	mg/L	0.209438	x5.0000		MEF	01-Jul-2025 18:46:33
41	U38	L2537369-04	1-JUL-2025 15-55	2.372	mg/L	0.672391			MEF	01-Jul-2025 18:09:52
42	U39	L2537377-01	1-JUL-2025 15-55	-0.000ELL	mg/L	-0.000274			MEF	01-Jul-2025 18:10:51
43	U40	L2537411-02	1-JUL-2025 15-55	0.663	mg/L	0.187793			MEF	01-Jul-2025 18:11:52
	CCV	CCV		0.506	mg/L	0.143274			MEF	01-Jul-2025 18:12:52
	CCB	CCB		0.005	mg/L	0.001193			MEF	01-Jul-2025 18:13:53
44	U41	L2537411-05	1-JUL-2025 15-55	0.033	mg/L	0.009287			MEF	01-Jul-2025 18:14:54
45	U42	L2537552-01	1-JUL-2025 15-55	0.053	mg/L	0.014924			MEF	01-Jul-2025 18:15:27
46	U43	L2537552-02	1-JUL-2025 15-55	0.054	mg/L	0.015079			MEF	01-Jul-2025 18:16:25
47	U44	L2537552-03	1-JUL-2025 15-55	0.084	mg/L	0.023703			MEF	01-Jul-2025 18:17:16
48	U45	L2537552-04	1-JUL-2025 15-55	0.037	mg/L	0.010298			MEF	01-Jul-2025 18:18:07
49	U46	L2537552-05	1-JUL-2025 15-55	0.039	mg/L	0.010943			MEF	01-Jul-2025 18:18:58
50	U47	L2537552-06	1-JUL-2025 15-55	0.078	mg/L	0.022030			MEF	01-Jul-2025 18:19:49
51	U48	L2537613-01	1-JUL-2025 15-55	0.040	mg/L	0.011173			MEF	01-Jul-2025 18:20:41
	CCV	CCV		0.508	mg/L	0.143722			MEF	01-Jul-2025 18:21:32
	CCB	CCB		0.005	mg/L	0.001168			MEF	01-Jul-2025 18:22:24
	CCV	CCV		0.495	mg/L	0.140304			MEF	01-Jul-2025 17:24:46
	CCB	CCB		0.005	mg/L	0.001302			MEF	01-Jul-2025 17:25:45
	CCV	CCV		0.504	mg/L	0.142708			MEF	01-Jul-2025 18:23:15
	CCB	CCB		0.006	mg/L	0.001359			MEF	01-Jul-2025 18:24:07
	CCV	CCV		0.503	mg/L	0.142491			MEF	01-Jul-2025 18:39:03
	CCB	CCB		0.005	mg/L	0.001239			MEF	01-Jul-2025 18:39:37
	CCV	CCV		0.498	mg/L	0.141147			MEF	01-Jul-2025 18:47:24

CCB	CCB	0.006	mg/L	0.001371	MEF	01-Jul-2025 18:48:16
CCV	CCV	0.492	mg/L	0.139446	MEF	01-Jul-2025 19:01:56
CCB	CCB	0.005	mg/L	0.001299	MEF	01-Jul-2025 19:02:48
CCV	CCV	0.503	mg/L	0.142495	MEF	01-Jul-2025 19:05:22
CCB	CCB	0.006	mg/L	0.001430	MEF	01-Jul-2025 19:06:14
CCV	CCV	0.491	mg/L	0.138976	MEF	01-Jul-2025 19:24:59
CCB	CCB	0.005	mg/L	0.001251	MEF	01-Jul-2025 19:25:51
CCV	CCV	0.500	mg/L	0.141450	MEF	01-Jul-2025 19:27:34
CCB	CCB	0.006	mg/L	0.001502	MEF	01-Jul-2025 19:28:26

AQ2 Tray Report



Software version : 2.4.5
Report requested by : MFlaherty
Date \ Time : 29-Jun-2025 19:07:00
Tray number : 1
Tray name : WG2082978,4949,51,53

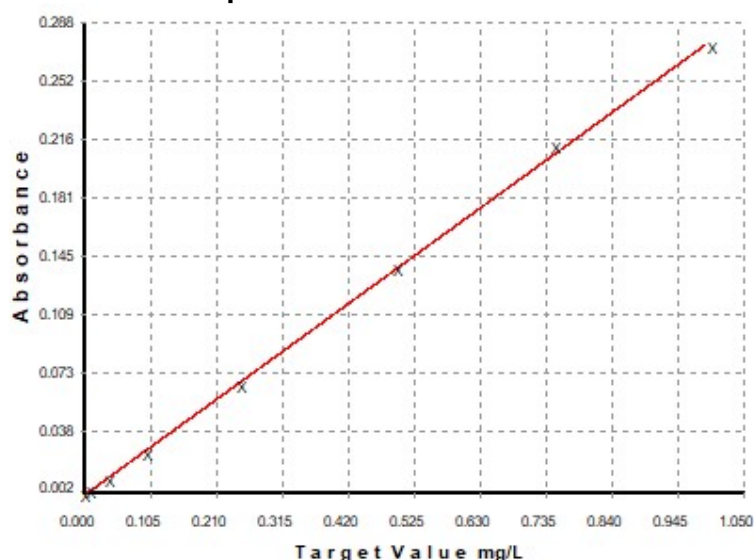
T-Phos 1

Calibration Chart

Type	Absorbance	Calc mg/L	Target mg/L	% Error
S1	0.0019	0.004	0.000	
S90	0.0043	0.013	0.010	29.72
S91	0.0113	0.038	0.040	-4.28
S92	0.0271	0.096	0.100	-4.37
S93	0.0677	0.242	0.250	-3.08
S94	0.1388	0.499	0.500	-0.14
S95	0.2132	0.768	0.750	2.41
S96	0.2743	0.989	1.000	-1.08
S0	0.0018	0.004	0.000	

Polynomial Order : 1
 Correlation Coefficient : 0.9997
 Carryover(%) : -0.0
 Calibration equation: $y = bx + a$
 y =: Concentration mg/L
 x =: Measured absorbance
 a =: -2.445152E-03
 b =: 3.614851E+00
 Date & Time : 29-Jun-2025 16:52:15

Calibration Graph



Reagents

Reagent Name	Batch Number	Operator	Expiry Date
TP Working Color	TP Color-06222025	MEF	29-Jun-2025 00:00:00
TP Ascorbic	TP Ascorbic-06292025	MEF	06-Jul-2025 00:00:00

Test Results

Cup Type	ID	Sample Details	Result	Units	QC Pro	Raw Data	Auto Dil.	Man Dil.	User	Time & Date
S1	Standard 1		0.002			0.001852			MEF	29-Jun-2025 16:44:28
S90	Standard 90		0.004			0.004265			MEF	29-Jun-2025 16:45:26
S91	Standard 91		0.011			0.011269			MEF	29-Jun-2025 16:46:24
S92	Standard 92		0.027			0.027132			MEF	29-Jun-2025 16:47:22
S93	Standard 93		0.068			0.067703			MEF	29-Jun-2025 16:48:20
S94	Standard 94		0.139			0.138799			MEF	29-Jun-2025 16:49:19
S95	Standard 95		0.213			0.213152			MEF	29-Jun-2025 16:50:17
S96	Standard 96		0.274			0.274327			MEF	29-Jun-2025 16:51:16
S0	Standard 0		0.002			0.001830			MEF	29-Jun-2025 16:52:15
2	ICV	ICV 29-JUN-2025 15-36	0.525	mg/L		0.145968			MEF	29-Jun-2025 16:53:13
3	ICB	ICB 29-JUN-2025 15-36	0.003	mg/L		0.001470			MEF	29-Jun-2025 16:54:14
4	U1	WG2082978-1 29-JUN-2025 15-36	0.004	ELL mg/L		0.001709			MEF	29-Jun-2025 16:55:15
5	U2	WG2082978-2 29-JUN-2025 15-36	0.503	mg/L		0.139881			MEF	29-Jun-2025 16:56:14
6	U3	L2536394-01 29-JUN-2025 15-36	1.718	mg/L		0.095738	x5.0000		MEF	29-Jun-2025 18:11:26
6	U3	L2536394-01 29-JUN-2025 15-36	1.589	mg/L		0.440231			MEF	29-Jun-2025 16:57:13
7	U4	L2536494-02 29-JUN-2025 15-36	0.024	mg/L		0.007217			MEF	29-Jun-2025 16:58:11
8	U5	WG2082978-3 29-JUN-2025 15-36	0.023	mg/L		0.007044			MEF	29-Jun-2025 16:59:11
9	U6	WG2082978-4 29-JUN-2025 15-36	0.550	mg/L		0.152791			MEF	29-Jun-2025 17:00:10
10	U7	L2536497-01 29-JUN-2025 15-36	0.284	mg/L		0.079286			MEF	29-Jun-2025 17:01:09

11	U8	L2536580-01-100	29-JUN-2025 15-36	59.439	mg/L	0.165106		x100.0000	MEF	29-Jun-2025 17:02:07
12	U9	L2536580-02	29-JUN-2025 15-36	6.006	mg/L	0.067135	x25.0000		MEF	29-Jun-2025 18:31:51
12	U9	L2536580-02	29-JUN-2025 15-36	5.838	mg/L	0.323683	x5.0000		MEF	29-Jun-2025 18:12:17
12	U9	L2536580-02	29-JUN-2025 15-36	2.749	mg/L	0.761176			MEF	29-Jun-2025 17:03:06
13	U10	L2536582-01-5	29-JUN-2025 15-36	4.213	mg/L	0.233749		x5.0000	MEF	29-Jun-2025 17:04:05
	CCV	CCV		0.525	mg/L	0.146018			MEF	29-Jun-2025 17:05:04
	CCB	CCB		0.003	mg/L	0.001481			MEF	29-Jun-2025 17:06:04
14	U11	L2536582-02	29-JUN-2025 15-36	0.534	mg/L	0.148512			MEF	29-Jun-2025 17:07:05
15	U12	L2536585-01-5	29-JUN-2025 15-36	1.268	mg/L	0.070839		x5.0000	MEF	29-Jun-2025 17:08:04
16	U13	L2536585-02	29-JUN-2025 15-36	1.244	mg/L	0.069492	x5.0000		MEF	29-Jun-2025 18:13:08
16	U13	L2536585-02	29-JUN-2025 15-36	1.196	mg/L	0.331603			MEF	29-Jun-2025 17:09:02
17	U14	L2536608-01-5	29-JUN-2025 15-36	1.097	mg/L	0.061397		x5.0000	MEF	29-Jun-2025 17:10:01
18	U15	L2536608-02	29-JUN-2025 15-36	0.536	mg/L	0.148940			MEF	29-Jun-2025 17:10:59
19	U16	L2536636-01-2	29-JUN-2025 15-36	4.531	mg/L	0.126034	x5.0000	x2.0000	MEF	29-Jun-2025 18:13:59
19	U16	L2536636-01-2	29-JUN-2025 15-36	4.005	mg/L	0.554678		x2.0000	MEF	29-Jun-2025 17:11:57
20	U17	L2536641-01-2	29-JUN-2025 15-36	0.847	mg/L	0.117898		x2.0000	MEF	29-Jun-2025 17:12:55
21	U18	L2536673-01	29-JUN-2025 15-36	0.023	mg/L	0.007075			MEF	29-Jun-2025 17:13:53
22	U19	L2536673-02	29-JUN-2025 15-36	0.052	mg/L	0.015035			MEF	29-Jun-2025 17:14:51
23	U20	L2536712-01	29-JUN-2025 15-36	0.744	mg/L	0.206477			MEF	29-Jun-2025 17:15:48
	CCV	CCV		0.524	mg/L	0.145697			MEF	29-Jun-2025 17:16:46
	CCB	CCB		0.002	mg/L	0.001324			MEF	29-Jun-2025 17:17:47
24	U21	L2536712-02	29-JUN-2025 15-36	0.028	mg/L	0.008560			MEF	29-Jun-2025 17:18:48
25	U22	L2536725-01	29-JUN-2025 15-36	0.048	mg/L	0.013971			MEF	29-Jun-2025 17:19:45
26	U23	L2536725-02-2	29-JUN-2025 15-36	0.328	mg/L	0.045990		x2.0000	MEF	29-Jun-2025 17:20:43
27	U24	L2536725-03	29-JUN-2025 15-36	0.169	mg/L	0.047365			MEF	29-Jun-2025 17:21:41
28	U25	WG2084949-1	29-JUN-2025 15-36	0.004ELL	mg/L	0.001694			MEF	29-Jun-2025 17:22:39
29	U26	WG2084949-2	29-JUN-2025 15-36	0.506	mg/L	0.140640			MEF	29-Jun-2025 17:23:36
30	U27	L2536073-05	29-JUN-2025 15-36	0.030	mg/L	0.008867			MEF	29-Jun-2025 17:24:34
31	U28	WG2084949-3	29-JUN-2025 15-36	0.030	mg/L	0.008947			MEF	29-Jun-2025 17:25:33
32	U29	WG2084949-4	29-JUN-2025 15-36	0.562	mg/L	0.156152			MEF	29-Jun-2025 17:26:31
33	U30	L2537565-02	29-JUN-2025 15-36	0.044	mg/L	0.012723			MEF	29-Jun-2025 17:27:29
	CCV	CCV		0.524	mg/L	0.145666			MEF	29-Jun-2025 17:28:27
	CCB	CCB		0.003	mg/L	0.001383			MEF	29-Jun-2025 17:29:28
34	U31	L2537565-03	29-JUN-2025 15-36	0.017	mg/L	0.005436			MEF	29-Jun-2025 17:30:29
35	U32	L2537684-01	29-JUN-2025 15-36	0.018	mg/L	0.005664			MEF	29-Jun-2025 17:31:28
36	U33	L2537805-02	29-JUN-2025 15-36	2.707	mg/L	0.150431	x5.0000		MEF	29-Jun-2025 18:14:50
36	U33	L2537805-02	29-JUN-2025 15-36	2.116	mg/L	0.585957			MEF	29-Jun-2025 17:32:26
37	U34	L2539018-01	29-JUN-2025 15-36	0.078	mg/L	0.022130			MEF	29-Jun-2025 17:33:24
38	U35	L2539018-02	29-JUN-2025 15-36	0.040	mg/L	0.011651			MEF	29-Jun-2025 17:34:23
39	U36	L2539524-02	29-JUN-2025 15-36	0.318	mg/L	0.088757			MEF	29-Jun-2025 17:35:21
40	U37	L2539524-03	29-JUN-2025 15-36	0.043	mg/L	0.012483			MEF	29-Jun-2025 17:36:20
41	U38	L2537655-02O2	29-JUN-2025 15-36	1.011	mg/L	0.140457		x2.0000	MEF	29-Jun-2025 17:37:18
42	U39	L2538805-01O	29-JUN-2025 15-36	0.011	mg/L	0.003837			MEF	29-Jun-2025 17:38:17
43	U40	L2538805-02O	29-JUN-2025 15-36	0.025	mg/L	0.007729			MEF	29-Jun-2025 17:39:16
	CCV	CCV		0.552	mg/L	0.153292			MEF	29-Jun-2025 17:40:15
	CCB	CCB		0.002	mg/L	0.001180			MEF	29-Jun-2025 17:41:16
44	U41	WG2084951-3O	29-JUN-2025 15-36	0.025	mg/L	0.007704			MEF	29-Jun-2025 17:42:17
45	U42	WG2084951-4O	29-JUN-2025 15-36	0.552	mg/L	0.153265			MEF	29-Jun-2025 17:43:16
46	U43	L2538805-03O	29-JUN-2025 15-36	0.011	mg/L	0.003597			MEF	29-Jun-2025 17:44:15
47	U44	L2538805-04O	29-JUN-2025 15-36	0.026	mg/L	0.007896			MEF	29-Jun-2025 17:45:16
48	U45	L2538805-05O	29-JUN-2025 15-36	0.027	mg/L	0.008211			MEF	29-Jun-2025 17:46:17
49	U46	L2538805-06O	29-JUN-2025 15-36	0.010	mg/L	0.003533			MEF	29-Jun-2025 17:46:49
50	U47	L2536730-01O	29-JUN-2025 15-36	0.011	mg/L	0.003822			MEF	29-Jun-2025 17:47:47
51	U48	WG2084953-3O	29-JUN-2025 15-36	0.018	mg/L	0.005637			MEF	29-Jun-2025 17:48:38
52	U49	WG2084953-4O	29-JUN-2025 15-36	0.536	mg/L	0.148915			MEF	29-Jun-2025 17:49:29
53	U50	L2536730-02O	29-JUN-2025 15-36	0.011	mg/L	0.003740			MEF	29-Jun-2025 17:50:21
	CCV	CCV		0.511	mg/L	0.141920			MEF	29-Jun-2025 17:51:12
	CCB	CCB		0.002	mg/L	0.001334			MEF	29-Jun-2025 17:52:04
54	U51	L2536730-03O	29-JUN-2025 15-36	0.007	mg/L	0.002564			MEF	29-Jun-2025 17:52:55
55	U52	L2536730-04O	29-JUN-2025 15-36	0.003ELL	mg/L	0.001572			MEF	29-Jun-2025 17:53:47
	CCV	CCV		0.513	mg/L	0.142656			MEF	29-Jun-2025 17:54:38
	CCB	CCB		0.003	mg/L	0.001430			MEF	29-Jun-2025 17:55:30
	CCV	CCV		0.503	mg/L	0.139827			MEF	29-Jun-2025 18:09:42
	CCB	CCB		0.002	mg/L	0.001358			MEF	29-Jun-2025 18:10:34
	CCV	CCV		0.531	mg/L	0.147486			MEF	29-Jun-2025 18:15:42
	CCB	CCB		0.003	mg/L	0.001394			MEF	29-Jun-2025 18:16:33
	CCV	CCV		0.518	mg/L	0.144051			MEF	29-Jun-2025 18:30:07
	CCB	CCB		0.003	mg/L	0.001561			MEF	29-Jun-2025 18:30:59
	CCV	CCV		0.523	mg/L	0.145365			MEF	29-Jun-2025 18:32:42

CCB

CCB

0.003 mg/L

0.001621

MEF 29-Jun-2025 18:33:34

Quality Control

Form 5a Matrix Spike

Client : Roux Env. Eng. & Geology, DPC	Lab Number : L2538805
Project Name : CORAM GROUNDWATER EVENT	Project Number : 2232.0006Y005
Client Sample ID : MW-4D2	Matrix : WATER
Lab Sample ID : L2538805-02	
Matrix Spike : WG2084951-4	MS Analysis Date : 06/29/25 17:43
Matrix Spike Dup :	MSD Analysis Date :

Parameter	Sample Conc. (mg/l)	Matrix Spike Sample		%R	Matrix Spike Duplicate		%R	RPD	Recovery Limits	RPD Limit
		Spike Added (mg/l)	Spike Conc. (mg/l)		Spike Added (mg/l)	Spike Conc. (mg/l)				
Phosphate, Total	0.077	1.53	1.69	105					80-120	15

Form 5a Matrix Spike

Client : Roux Env. Eng. & Geology, DPC	Lab Number : L2538805
Project Name : CORAM GROUNDWATER EVENT	Project Number : 2232.0006Y005
Client Sample ID : NA	Matrix : WATER
Lab Sample ID : L2538416-01	
Matrix Spike : WG2085799-4	MS Analysis Date : 07/01/25 17:47
Matrix Spike Dup :	MSD Analysis Date :

Parameter	Sample Conc. (mg/l)	Matrix Spike Sample		%R	Matrix Spike Duplicate		%R	RPD	Recovery Limits	RPD Limit
		Spike Added (mg/l)	Spike Conc. (mg/l)		Spike Added (mg/l)	Spike Conc. (mg/l)				
Phosphate, Total	0.614	1.53	2.21	104					80-120	15

Form 6 Lab Duplicates

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Client Sample ID	: MW-4D2	Matrix	: WATER
Lab Sample ID	: L2538805-02	Analysis Date	: 06/29/25 17:39
Dup Sample ID	: WG2084951-3	DUP Analysis Date	: 06/29/25 17:42

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Phosphate, Total	0.077	0.077	0	15



Form 6 Lab Duplicates

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Client Sample ID	: NA	Matrix	: WATER
Lab Sample ID	: NA	Analysis Date	: 07/01/25 17:45
Dup Sample ID	: WG2085799-3	DUP Analysis Date	: 07/01/25 17:46

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Phosphate, Total	0.614	0.614	0	15



Form 7 Laboratory Control Sample

Client : Roux Env. Eng. & Geology, DPC Project Name : CORAM GROUNDWATER EVENT Client Sample ID : NA Lab Sample ID : WG2084951-2 Dup Sample ID :	Lab Number : L2538805 Project Number : 2232.0006Y005 Matrix : WATER LCS Analysis Date : 06/29/25 17:23 LCSD Analysis Date :
--	--

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/l)	Found (mg/l)	%R	True (mg/l)	Found (mg/l)	%R			
Phosphate, Total	1.53	1.55	101.					84-118	15



Form 7

Laboratory Control Sample

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM GROUNDWATER EVENT
 Client Sample ID : NA
 Lab Sample ID : WG2085799-2
 Dup Sample ID :
 Lab Number : L2538805
 Project Number : 2232.0006Y005
 Matrix : WATER
 LCS Analysis Date : 07/01/25 17:28
 LCSD Analysis Date :

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/l)	Found (mg/l)	%R	True (mg/l)	Found (mg/l)	%R			
Phosphate, Total	1.53	1.52	99.					84-118	15



Date Created: 11/11/21
Created By: Jason Hebert
File: PM11467-1
Page: 1

WETCHEM (WATER)

[illegible]

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soll/Solids only)

Date Created: 11/11/21
Created By: Jason Hebert
File: PM11468-1
Page: 1

WETCHEM (SOIL)

[illegible]

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soll/Solids only)
Please Note that the information provided in this table is subject to change at anytime at the discretion of the laboratory.

Date Created: 11/11/21
Created By: Jason Hebert
File: PM11467-1
Page: 1

WETCHEM (WATER)

[illegible]

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)

Please Note that the Information provided in this table is subject to change at anytime at the discretion of the laboratory.

Date Created: 11/11/21
Created By: Jason Hebert
File: PM11468-1
Page: 1

WETCHEM (SOIL)

[illegible]

Please Note that the RL information provided in this table is calculated using a 100% Solids factor. (Soli/Solids only)
Please Note that the Information provided in this table is subject to change at anytime at the discretion of the laboratory.

Calculations of TPhosphorus

Aqueous samples:

Calculate the concentration value of the sample directly from the standard curve. All calculations are done by SEAL (segment flow spectrometer).

$$\text{Mg TPhosphorus/L} = \frac{\text{absorbance} - \text{y-intercept}}{\text{slope}} \times \text{Dilution Factor}$$

Wet Chemistry
By
IC Methods

Results

Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-01	Date Collected	: 06/19/25 11:10
Client ID	: MW-4S	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 06/26/25 19:38
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 44,300.0	Analyst	: CVN,
Lab File ID	: WG2083986	Instrument ID	: IC3
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
24959-67-9	Bromide	0.041	0.050	0.013	J

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-02	Date Collected	: 06/19/25 11:05
Client ID	: MW-4D2	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 06/26/25 19:50
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 44,300.0	Analyst	: CVN,
Lab File ID	: WG2083986	Instrument ID	: IC3
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
24959-67-9	Bromide	0.051	0.050	0.013	

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-03	Date Collected	: 06/19/25 10:00
Client ID	: SCDOH-DR	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 06/26/25 20:02
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 44,300.0	Analyst	: CVN,
Lab File ID	: WG2083986	Instrument ID	: IC3
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
24959-67-9	Bromide	0.052	0.050	0.013	

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-04	Date Collected	: 06/19/25 08:38
Client ID	: MW-10S	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 06/26/25 20:14
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 44,300.0	Analyst	: CVN,
Lab File ID	: WG2083986	Instrument ID	: IC3
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
24959-67-9	Bromide	0.039	0.050	0.013	J

Form 1
WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-05	Date Collected	: 06/19/25 08:50
Client ID	: MW-10D	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 06/26/25 20:26
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 44,300.0	Analyst	: CVN,
Lab File ID	: WG2083986	Instrument ID	: IC3
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
24959-67-9	Bromide	0.052	0.050	0.013	

Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: L2538805-06	Date Collected	: 06/19/25 12:00
Client ID	: EQUIPMENT BLANK	Date Received	: 06/19/25
Sample Location	: 416 MILLER PLACE-YAPHANK RD.	Date Analyzed	: 06/26/25 20:39
Sample Matrix	: Equipment Blank	Dilution Factor	: 1
Analytical Method	: 44,300.0	Analyst	: CVN,
Lab File ID	: WG2083986	Instrument ID	: IC3
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
24959-67-9	Bromide	ND	0.050	0.013	U

Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: WG2083986-1	Date Collected	: NA
Client ID	: WG2083986-1BLANK	Date Received	: NA
Sample Location	:	Date Analyzed	: 06/26/25 15:00
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 44,300.0	Analyst	: CVN,
Lab File ID	: WG2083986	Instrument ID	: IC3
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
24959-67-9	Bromide	ND	0.050	0.013	U

Form 1

WETCHEM

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Lab ID	: WG2083986-4	Date Collected	: 06/25/25 13:10
Client ID	: WG2083986-4 DUP	Date Received	: 06/25/25
Sample Location	:	Date Analyzed	: 06/26/25 16:01
Sample Matrix	: WATER	Dilution Factor	: 1
Analytical Method	: 44,300.0	Analyst	: CVN,
Lab File ID	: WG2083986	Instrument ID	: IC3
Sample Amount	:	%Solids	: N/A
Digestion Method	:	Date Digested	:

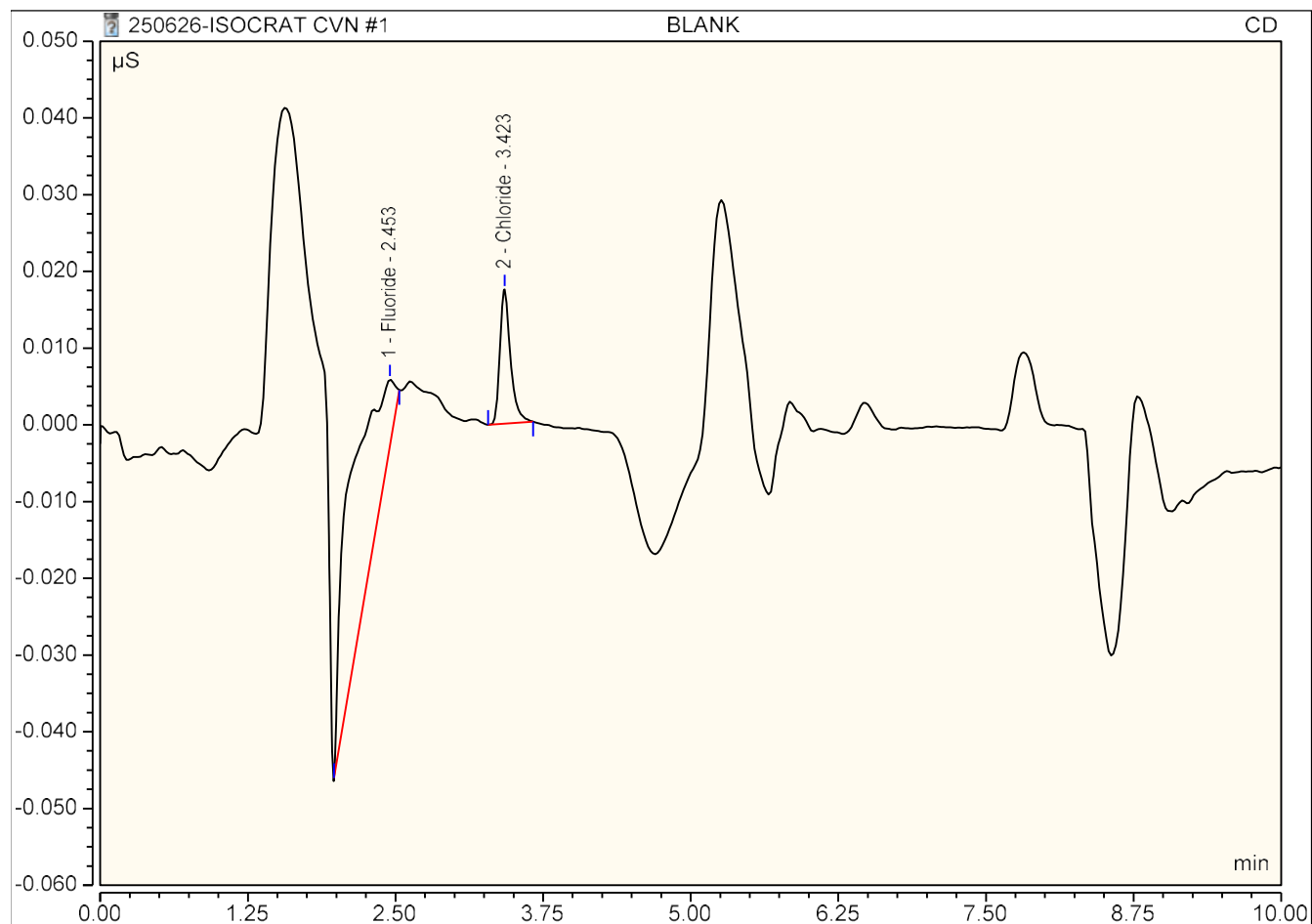
CAS NO.	Parameter	mg/l			Qualifier
		Results	RL	MDL	
24959-67-9	Bromide	ND	0.050	0.013	U

Sample Raw Data

Peak Integration Report

Sample Name:	BLANK	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	21-May-2025 / 19:51	Run Time:	10.00

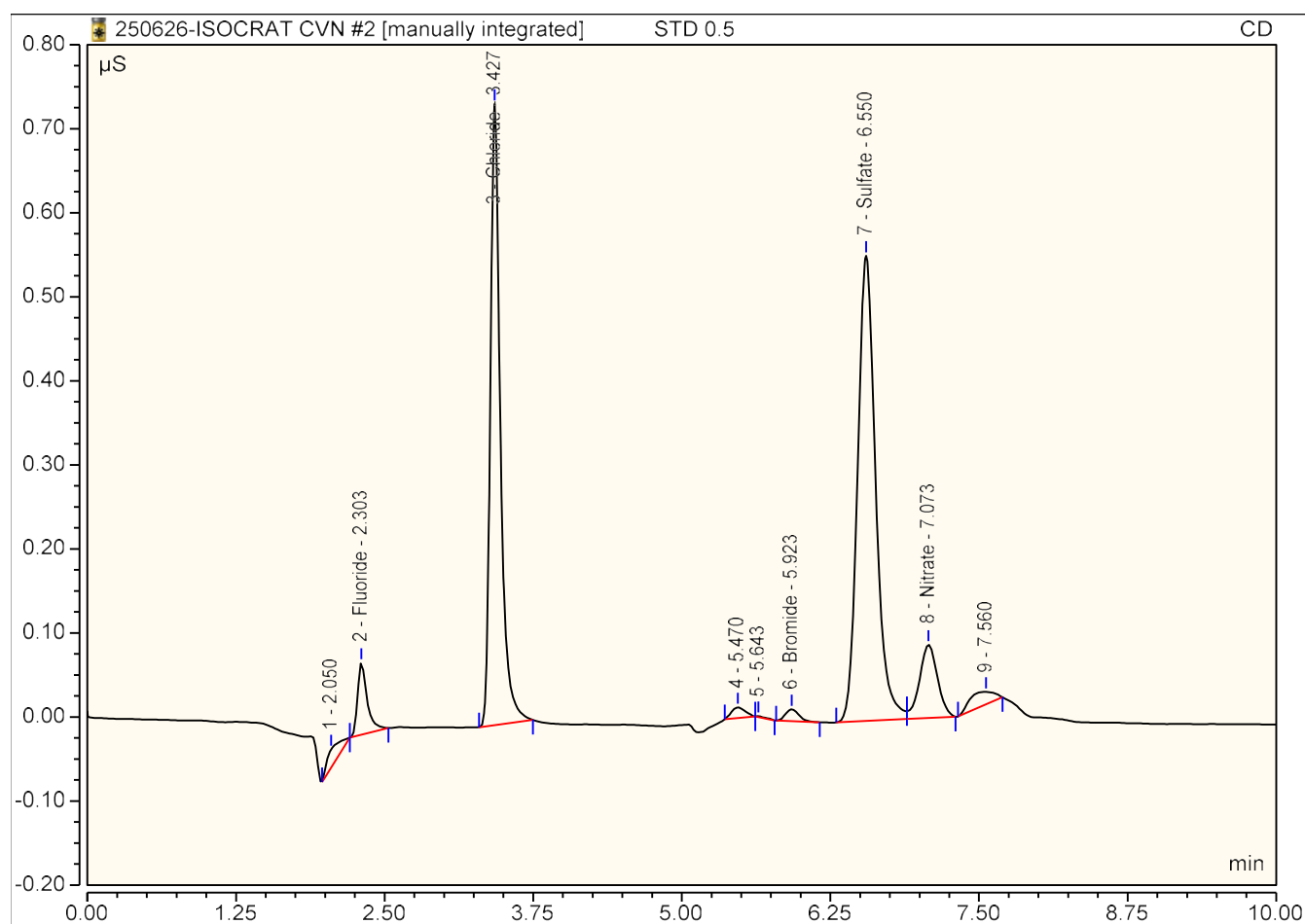
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
1	2.45	Fluoride	BMB	0.009	0.009	0.0440
2	3.42	Chloride	BMB	0.002	0.017	0.1000
TOTAL:				0.01	0.03	0.14



Peak Integration Report

Sample Name:	STD 0.5	Inj. Vol.:	25.00
Injection Type:	Calibration Standard	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	21-May-2025 / 20:04	Run Time:	10.00

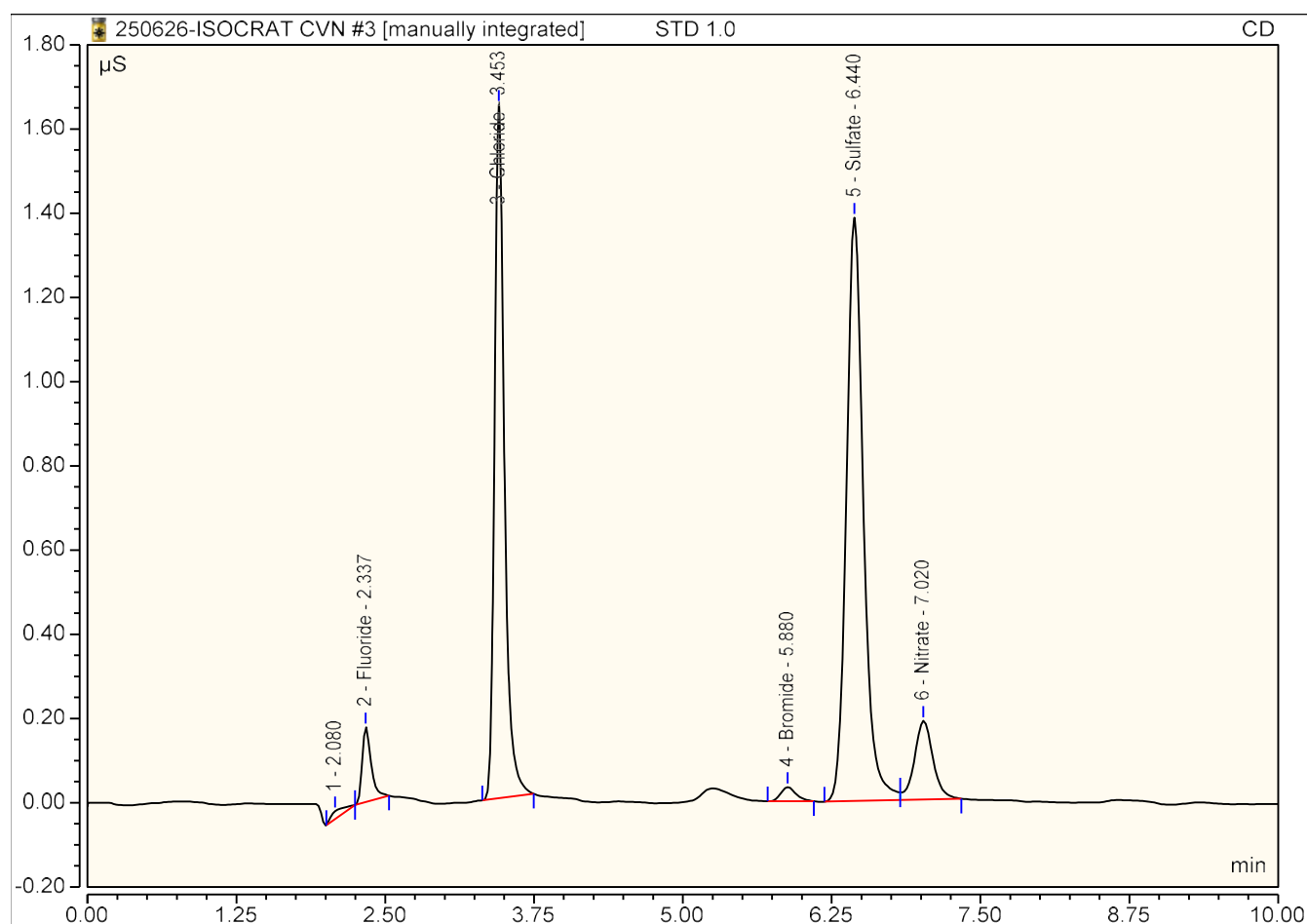
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.30	Fluoride	BMB	0.008	0.086	0.0418
3	3.43	Chloride	BMB	0.072	0.739	0.2829
6	5.92	Bromide	BMB	0.002	0.014	0.0511
7	6.55	Sulfate	BM *	0.097	0.553	1.0180
8	7.07	Nitrate	MB*	0.015	0.087	0.0429
TOTAL:				0.19	1.48	1.44



Peak Integration Report

Sample Name:	STD 1.0	Inj. Vol.:	25.00
Injection Type:	Calibration Standard	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	21-May-2025 / 20:16	Run Time:	10.00

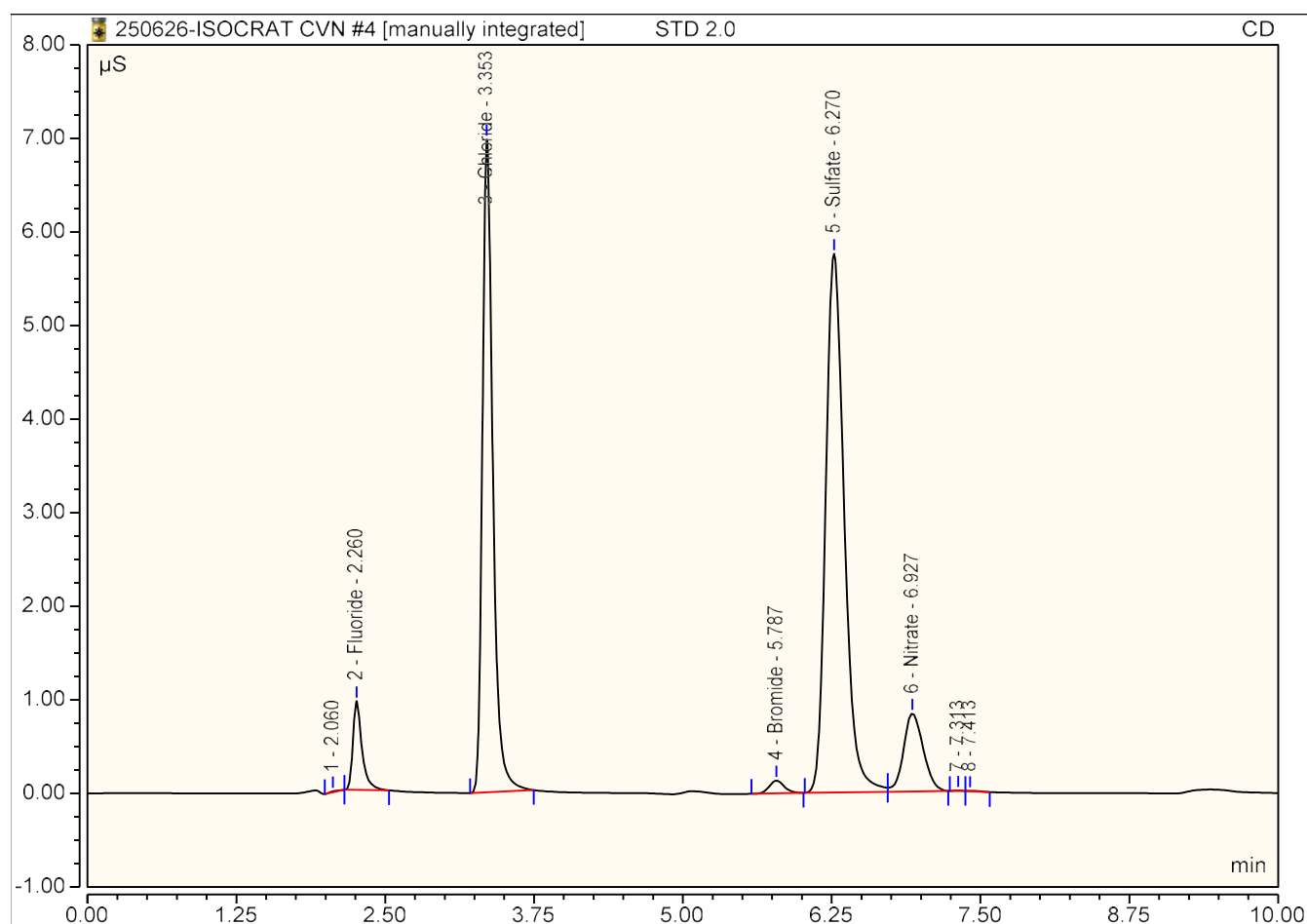
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.34	Fluoride	BMB	0.016	0.178	0.0555
3	3.45	Chloride	BMB	0.158	1.647	0.5048
4	5.88	Bromide	BMB	0.005	0.034	0.0744
5	6.44	Sulfate	BM *	0.230	1.385	1.4554
6	7.02	Nitrate	MB*	0.034	0.187	0.0622
TOTAL:				0.44	3.43	2.15



Peak Integration Report

Sample Name:	STD 2.0	Inj. Vol.:	25.00
Injection Type:	Calibration Standard	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	21-May-2025 / 20:28	Run Time:	10.00

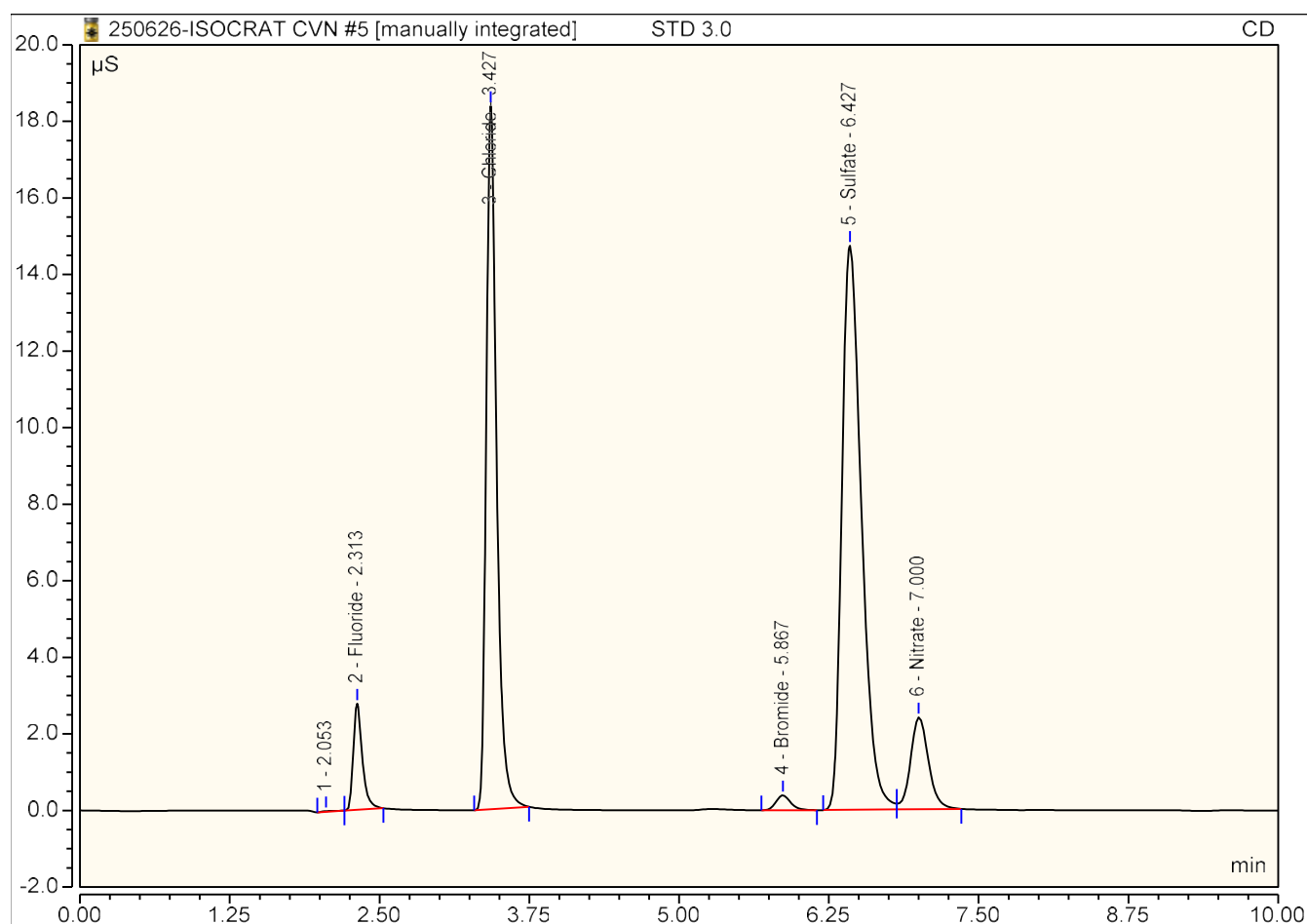
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.26	Fluoride	BMB	0.083	0.947	0.1773
3	3.35	Chloride	BMB	0.708	6.976	1.9278
4	5.79	Bromide	BMB	0.020	0.138	0.1845
5	6.27	Sulfate	BM *	1.036	5.755	4.1152
6	6.93	Nitrate	MB*	0.160	0.832	0.1949
TOTAL:				2.01	14.65	6.60



Peak Integration Report

Sample Name:	STD 3.0	Inj. Vol.:	25.00
Injection Type:	Calibration Standard	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	21-May-2025 / 20:40	Run Time:	10.00

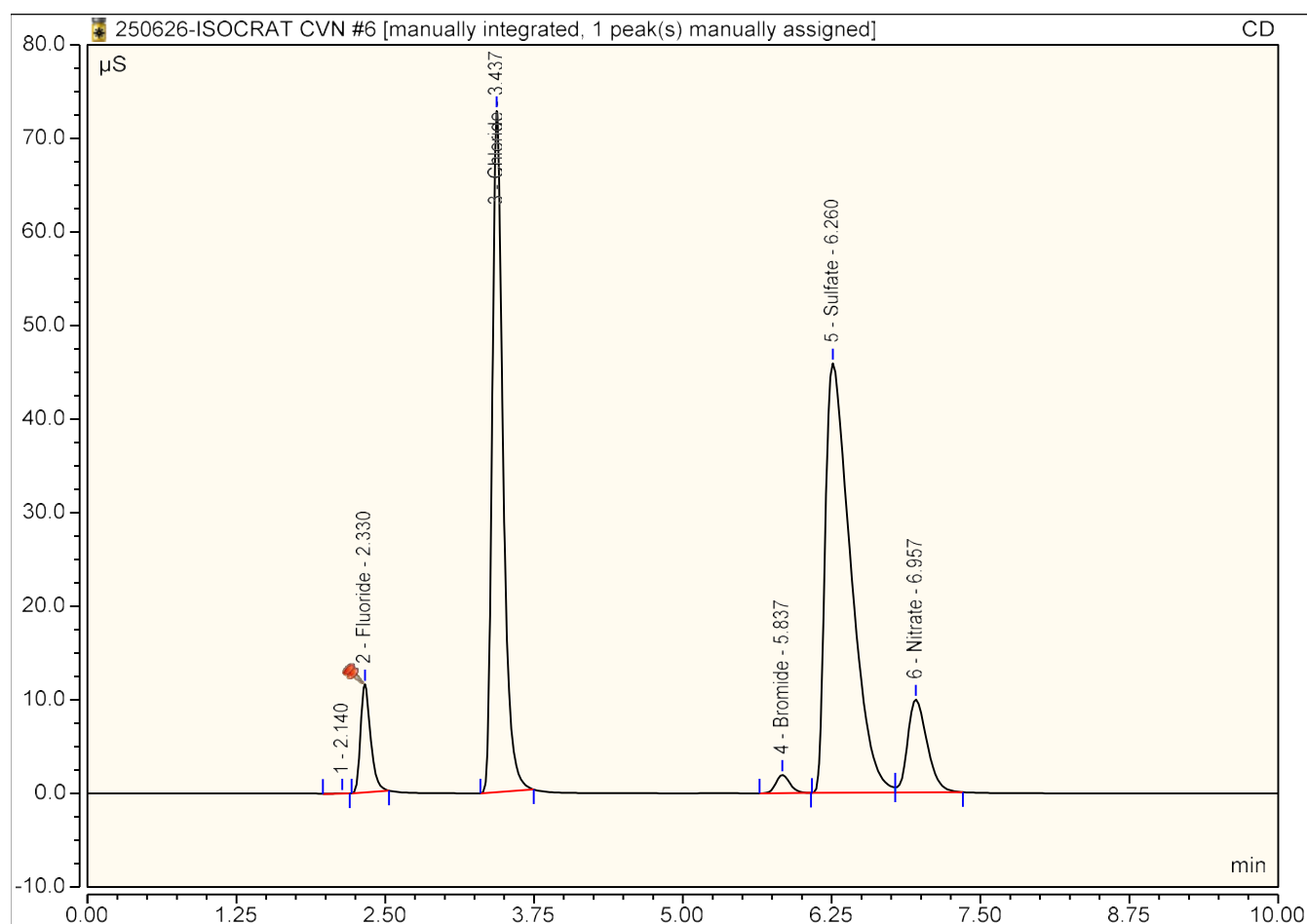
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.31	Fluoride	BMB	0.240	2.772	0.4593
3	3.43	Chloride	BMB	1.847	18.371	4.8782
4	5.87	Bromide	BMB	0.056	0.390	0.4524
5	6.43	Sulfate	BM *	2.792	14.733	9.9062
6	7.00	Nitrate	MB*	0.419	2.404	0.4665
TOTAL:				5.35	38.67	16.16



Peak Integration Report

Sample Name:	STD 4.0	Inj. Vol.:	25.00
Injection Type:	Calibration Standard	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	21-May-2025 / 20:52	Run Time:	10.00

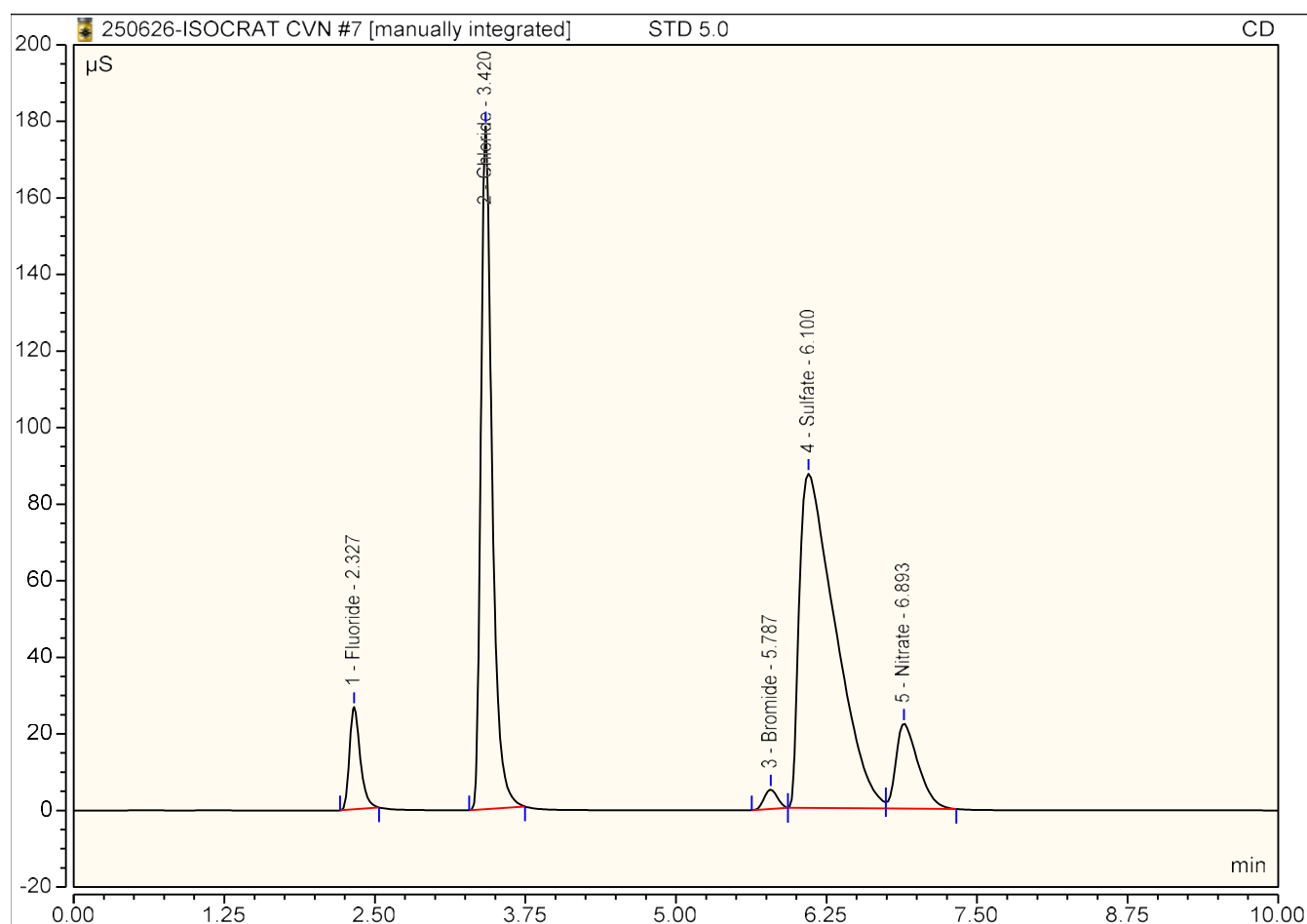
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.33	Fluoride	BMB^	1.128	11.556	2.0605
3	3.44	Chloride	BMB	7.777	72.796	20.2356
4	5.84	Bromide	BMB	0.266	1.950	2.0125
5	6.26	Sulfate	BM *	11.417	45.897	38.3461
6	6.96	Nitrate	MB*	1.886	9.931	2.0083
TOTAL:				22.47	142.13	64.66



Peak Integration Report

Sample Name:	STD 5.0	Inj. Vol.:	25.00
Injection Type:	Calibration Standard	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	21-May-2025 / 21:04	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
1	2.33	Fluoride	BMB	2.748	26.716	4.9806
2	3.42	Chloride	BMB	19.240	178.379	49.9206
3	5.79	Bromide	BMB*	0.653	5.098	4.8837
4	6.10	Sulfate	bM *	30.313	87.355	100.6592
5	6.89	Nitrate	MB*	4.778	22.200	5.0460
TOTAL:				57.73	319.75	165.49

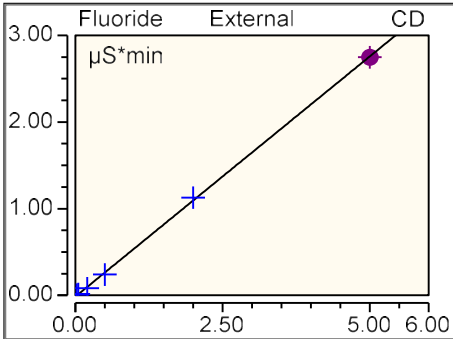


Calibration Batch Report

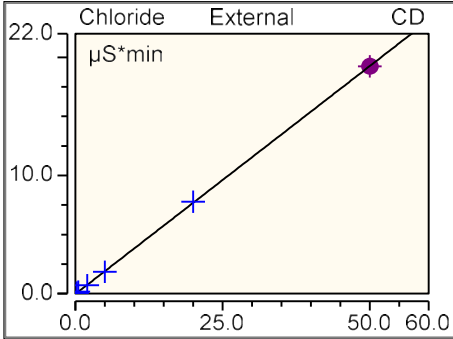
Sequence:	250626-ISOCRAT CVN	Injection Volume:	25.00
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	21-May-2025 / 21:04	Run Time:	10

Calibration Summary							
Peak Name	Eval.Type	Cal.Type	Points	Offset (C0)	Slope (C1)	Curve (C2)	Coeff.Det. %
Fluoride	Area	in, WithOffset	6.000	-0.015	0.555	0.000	99.9661
Chloride	Area	in, WithOffset	6.000	-0.037	0.386	0.000	99.9957
Bromide	Area	in, WithOffset	5.000	-0.005	0.135	0.000	99.8572
Sulfate	Area	in, WithOffset	6.000	-0.212	0.303	0.000	99.9523
Nitrate	Area	in, WithOffset	5.000	-0.026	0.952	0.000	99.9388
AVERAGE:				-0.0588	0.4662	0.0000	99.9420

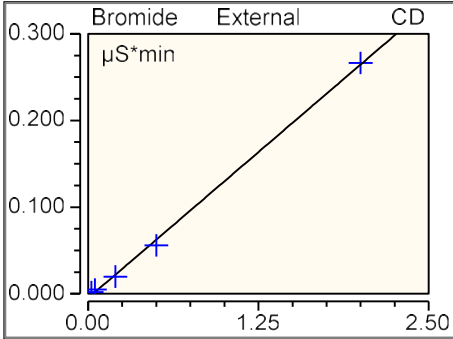
Injection Name	Ret.Time min	Area $\mu\text{S} \cdot \text{min}$	Height μS	Amount
	CD	CD	CD	CD
STD 0.5	Fluoride 2.303	Fluoride 0.0080	Fluoride 0.086	Fluoride 0.042
STD 1.0	2.337	0.0156	0.178	0.055
STD 2.0	2.260	0.0832	0.947	0.177
STD 3.0	2.313	0.2396	2.772	0.459
STD 4.0	2.330	1.1278	11.556	2.061
STD 5.0	2.327	2.7476	26.716	4.981
Average	2.312			
Rel. Std. Dev.	1.212 %			



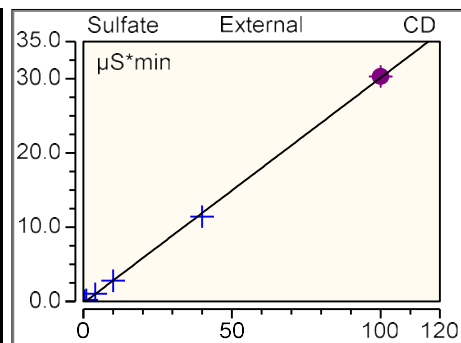
Injection Name	Ret.Time min	Area $\mu\text{S} \cdot \text{min}$	Height μS	Amount
	CD	CD	CD	CD
STD 0.5	Chloride 3.427	Chloride 0.0724	Chloride 0.739	Chloride 0.283
STD 1.0	3.453	0.1581	1.647	0.505
STD 2.0	3.353	0.7076	6.976	1.928
STD 3.0	3.427	1.8469	18.371	4.878
STD 4.0	3.437	7.7770	72.796	20.236
STD 5.0	3.420	19.2396	178.379	49.921
Average	3.419			
Rel. Std. Dev.	1.006 %			



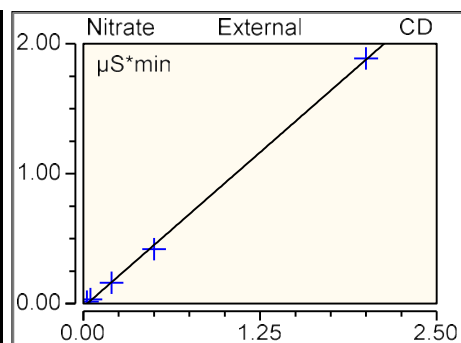
Injection Name	Ret.Time min	Area $\mu\text{S} \cdot \text{min}$	Height μS	Amount
	CD	CD	CD	CD
STD 0.5	Bromide 5.923	Bromide 0.0019	Bromide 0.014	Bromide 0.051
STD 1.0	5.880	0.0050	0.034	0.074
STD 2.0	5.787	0.0199	0.138	0.185
STD 3.0	5.867	0.0560	0.390	0.452
STD 4.0	5.837	0.2663	1.950	2.013
STD 5.0	5.787	0.6535	5.098	4.884
Average	5.847			
Rel. Std. Dev.	0.927 %			



Injection Name	Ret. Time min CD	Area $\mu\text{S} \cdot \text{min}$ CD	Height μS CD	Amount CD
STD 0.5	Sulfate 6.550	Sulfate 0.0971	Sulfate 0.553	Sulfate 1.018
STD 1.0	6.440	0.2297	1.385	1.455
STD 2.0	6.270	1.0363	5.755	4.115
STD 3.0	6.427	2.7924	14.733	9.906
STD 4.0	6.260	11.4169	45.897	38.346
STD 5.0	6.100	30.3133	87.355	100.659
Average	6.341			
Rel. Std. Dev.	2.548 %			



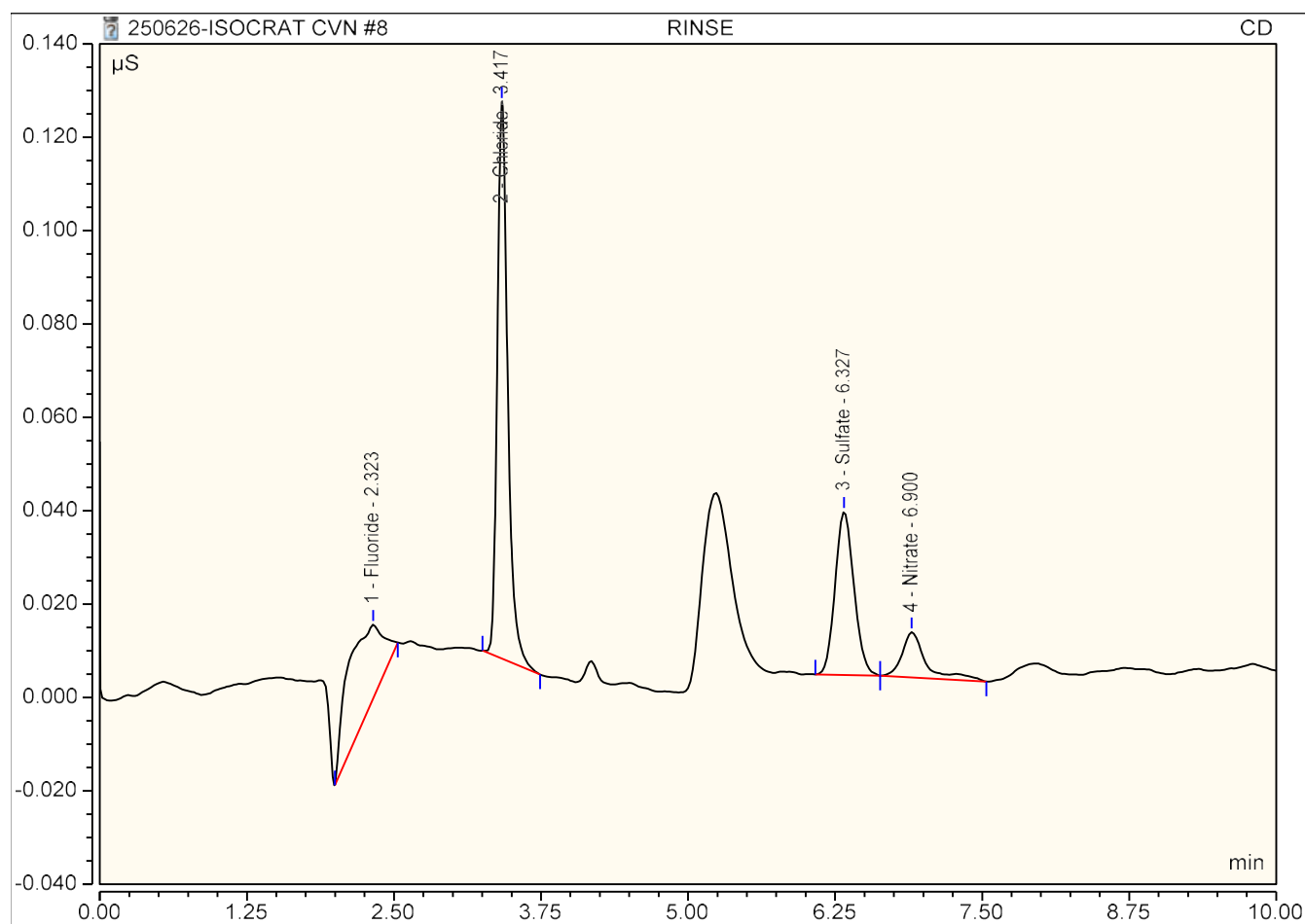
Injection Name	Ret. Time min CD	Area $\mu\text{S} \cdot \text{min}$ CD	Height μS CD	Amount CD
STD 0.5	Nitrate 7.073	Nitrate 0.0153	Nitrate 0.087	Nitrate 0.043
STD 1.0	7.020	0.0337	0.187	0.062
STD 2.0	6.927	0.1600	0.832	0.195
STD 3.0	7.000	0.4186	2.404	0.467
STD 4.0	6.957	1.8863	9.931	2.008
STD 5.0	6.893	4.7780	22.200	5.046
Average	6.978			
Rel. Std. Dev.	0.942 %			



Peak Integration Report

Sample Name:	RINSE	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	26-Jun-2025 / 14:00	Run Time:	10.00

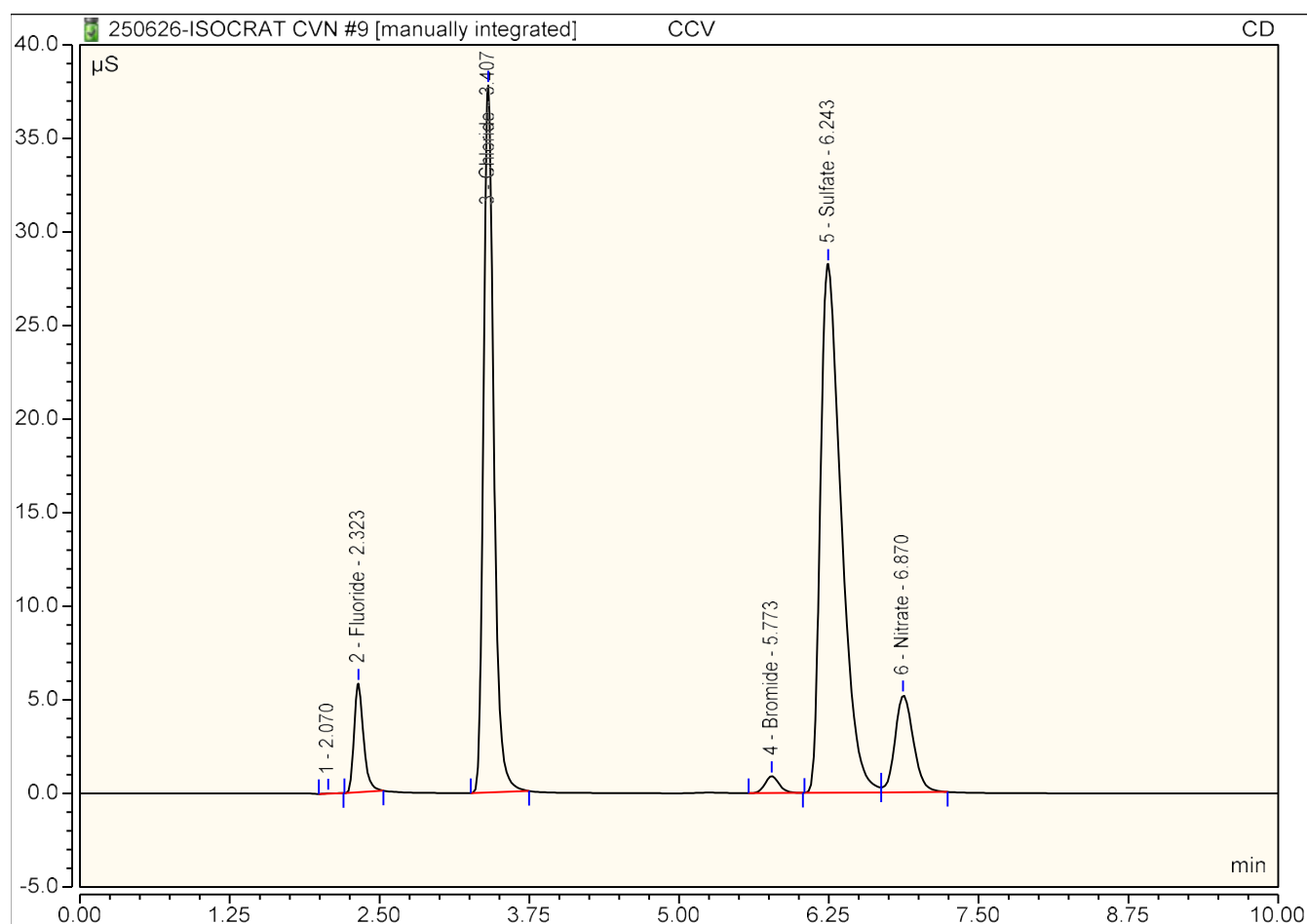
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
1	2.32	Fluoride	BMB	0.007	0.016	0.0393
2	3.42	Chloride	BMB	0.012	0.119	0.1272
3	6.33	Sulfate	BMB	0.006	0.035	0.7192
4	6.90	Nitrate	BMB	0.002	0.010	0.0293
TOTAL:				0.03	0.18	0.91



Peak Integration Report

Sample Name:	CCV	Inj. Vol.:	25.00
Injection Type:	Check Standard	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	26-Jun-2025 / 14:12	Run Time:	10.00

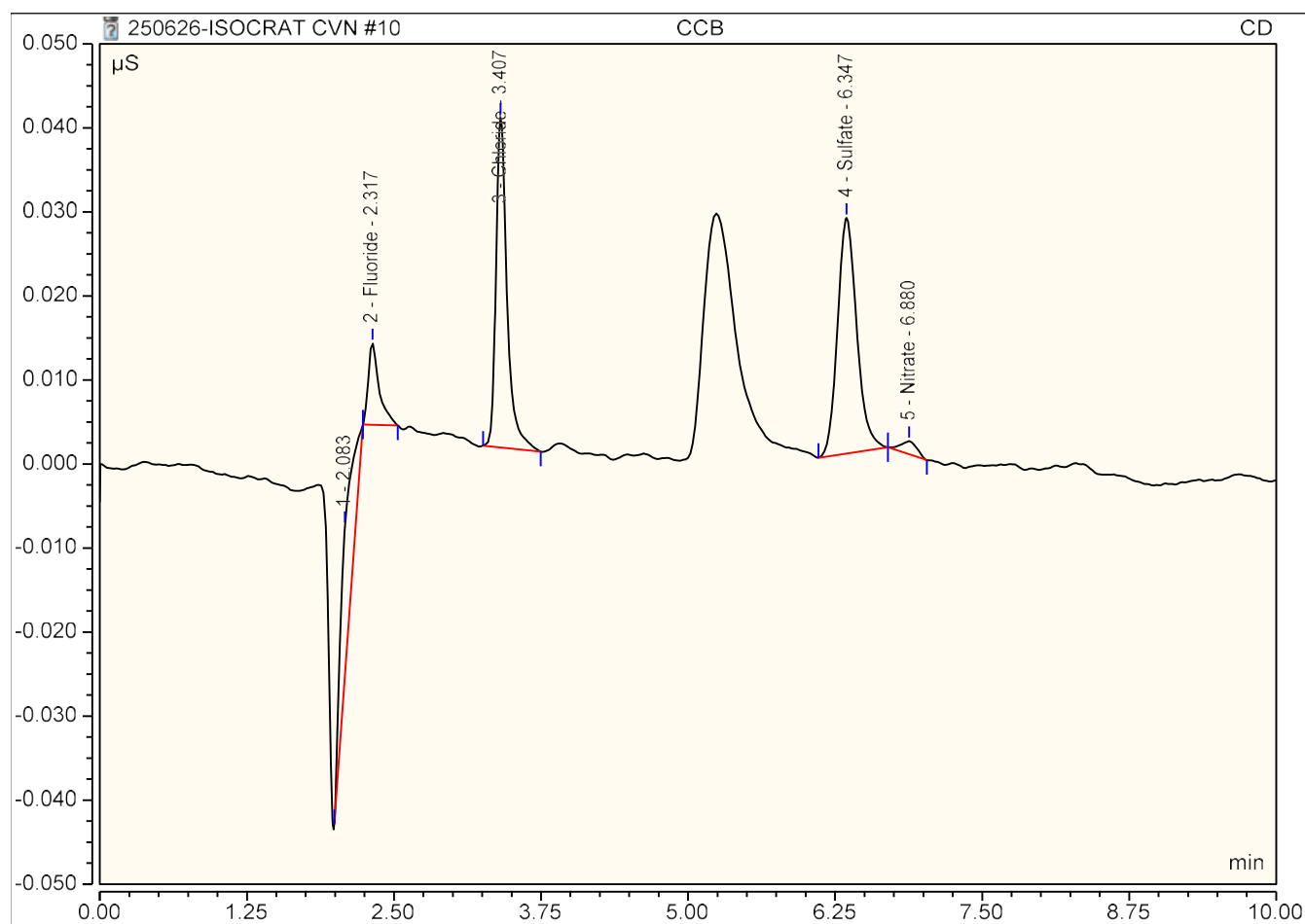
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.32	Fluoride	BMB	0.527	5.809	0.9765
3	3.41	Chloride	BMB	3.786	37.772	9.8990
4	5.77	Bromide	BMB	0.125	0.908	0.9661
5	6.24	Sulfate	BM *	5.690	28.252	19.4599
6	6.87	Nitrate	MB*	0.925	5.183	0.9984
TOTAL:				11.05	77.92	32.30



Peak Integration Report

Sample Name:	CCB	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	26-Jun-2025 / 14:24	Run Time:	10.00

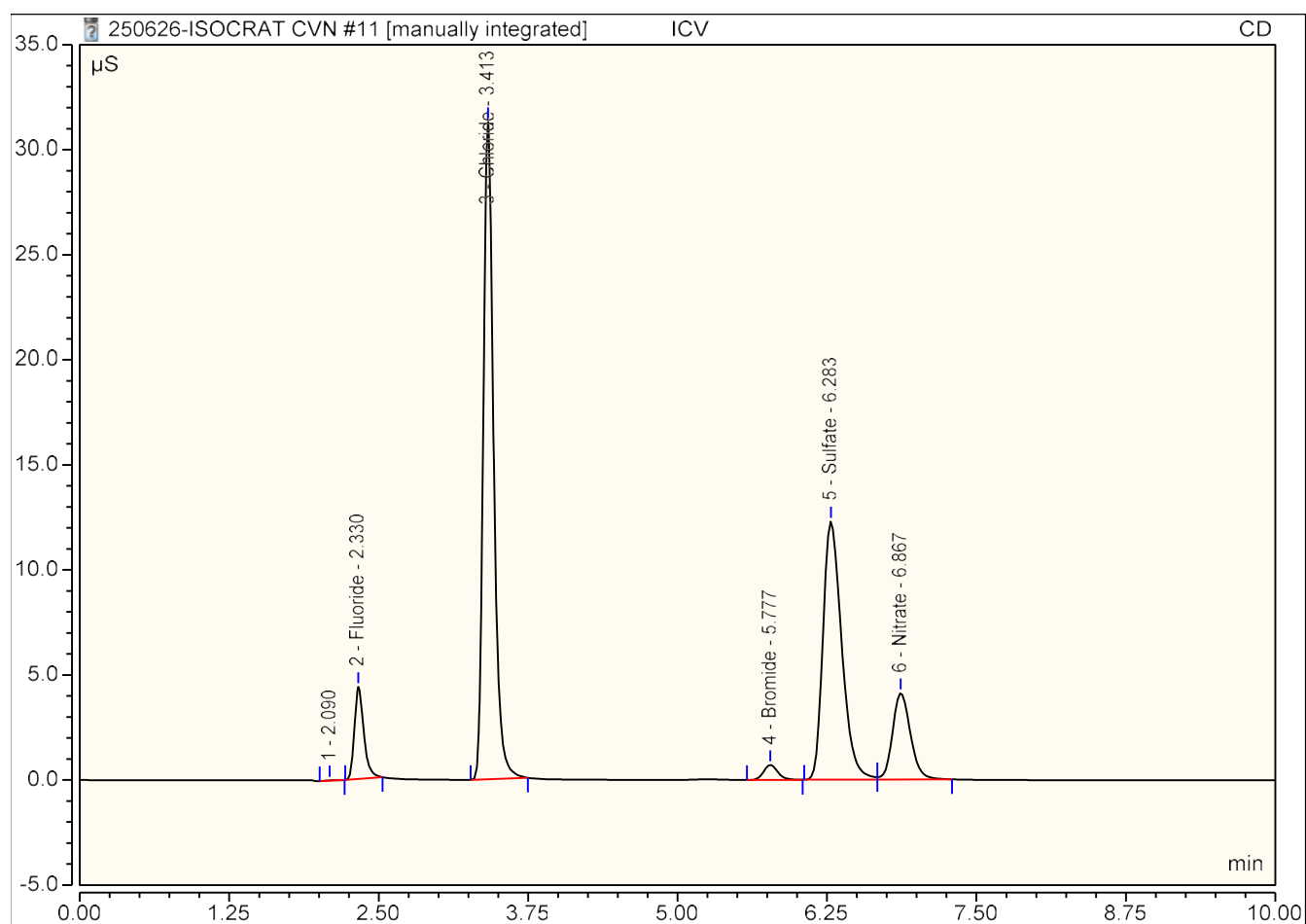
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.32	Fluoride	BMB	0.001	0.010	0.0291
3	3.41	Chloride	BMB	0.004	0.039	0.1064
4	6.35	Sulfate	BMB	0.005	0.028	0.7153
5	6.88	Nitrate	BMB	0.000	0.002	0.0271
TOTAL:				0.01	0.08	0.88



Peak Integration Report

Sample Name:	ICV	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	26-Jun-2025 / 14:36	Run Time:	10.00

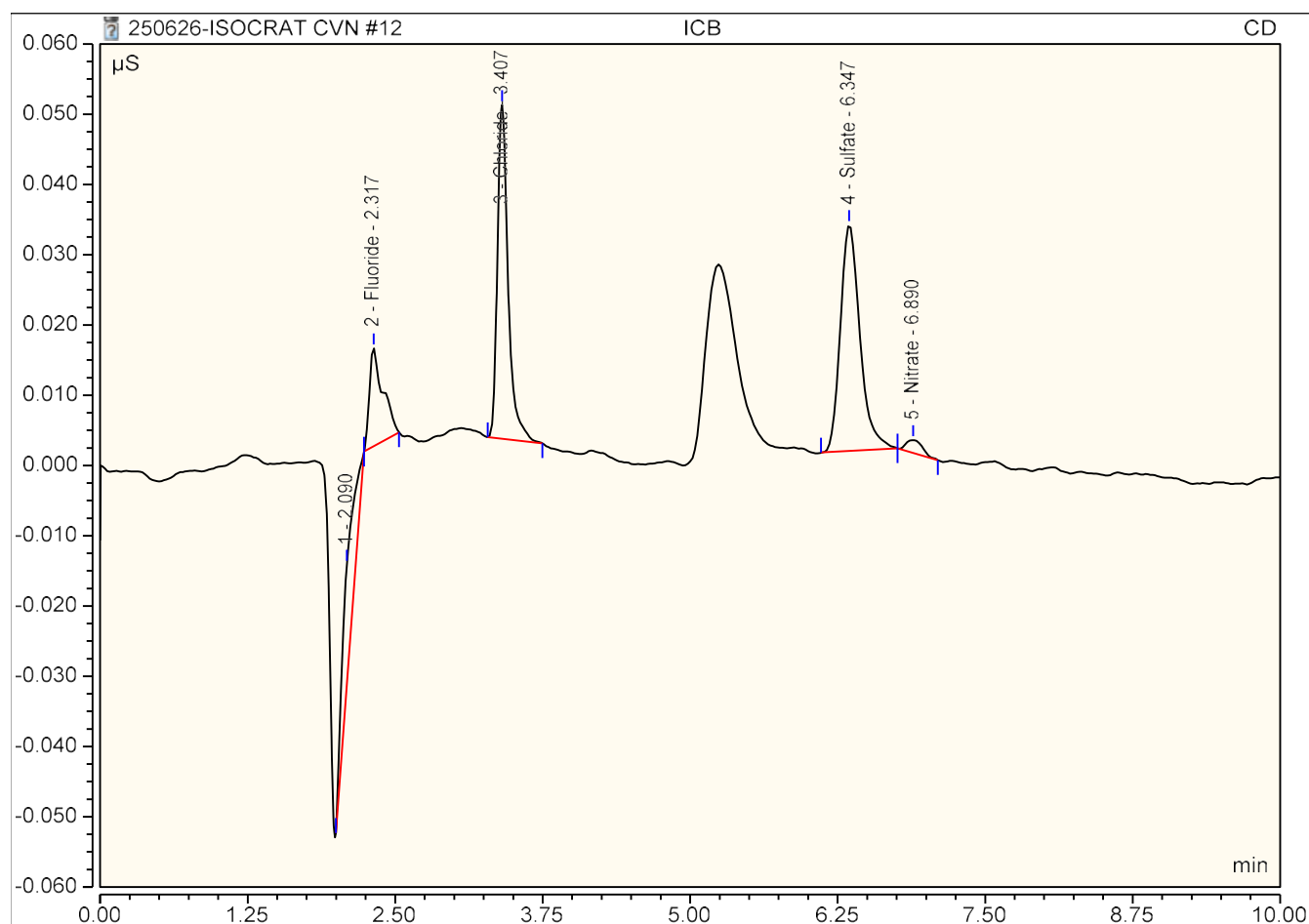
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.33	Fluoride	BMB	0.397	4.389	0.7436
3	3.41	Chloride	BMB	3.125	31.285	8.1895
4	5.78	Bromide	BMB	0.098	0.713	0.7676
5	6.28	Sulfate	BM *	2.229	12.292	8.0481
6	6.87	Nitrate	MB*	0.719	4.118	0.7817
TOTAL:				6.57	52.80	18.53



Peak Integration Report

Sample Name:	ICB	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	26-Jun-2025 / 14:48	Run Time:	10.00

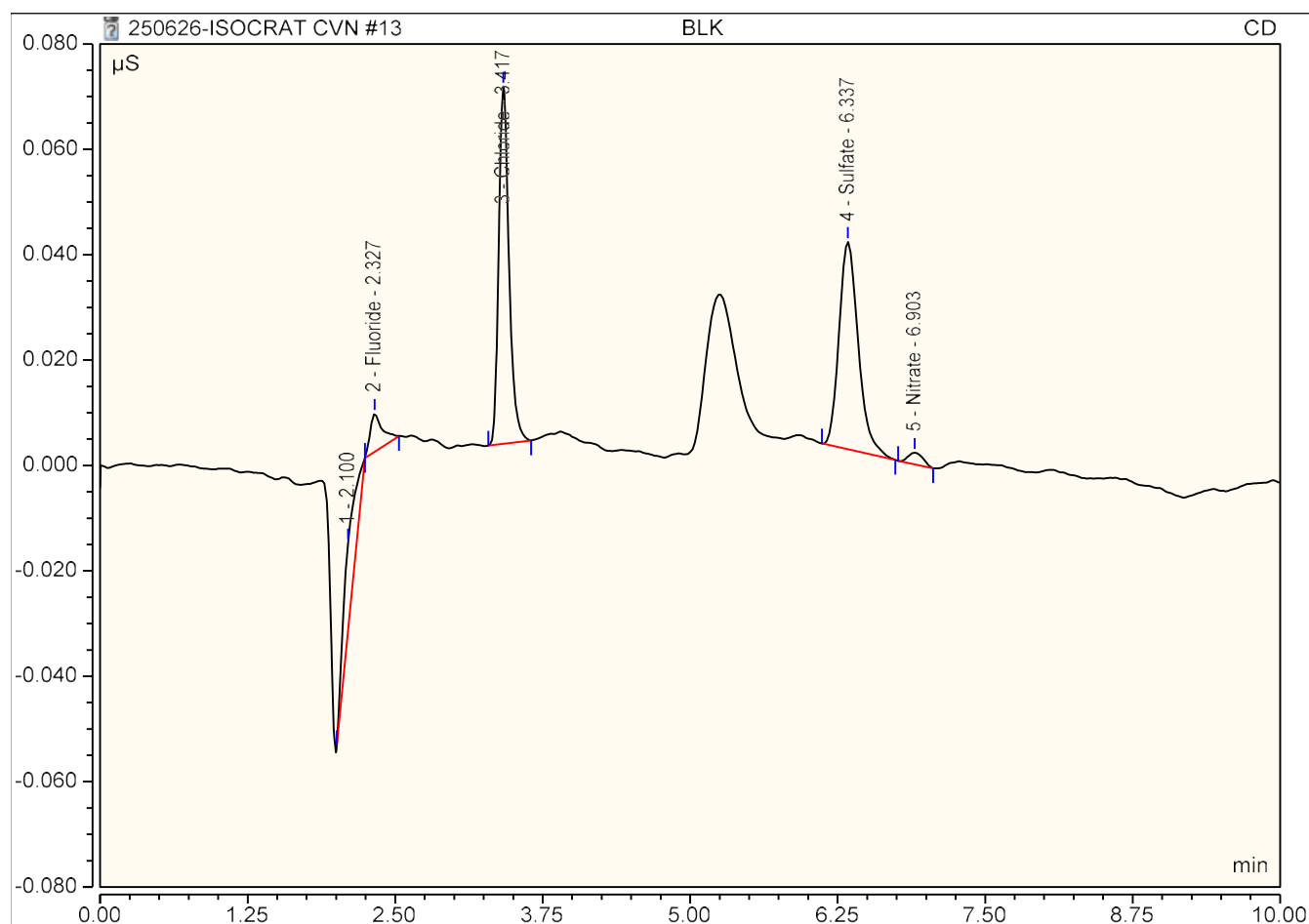
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.32	Fluoride	BMB	0.002	0.014	0.0306
3	3.41	Chloride	BMB	0.005	0.048	0.1082
4	6.35	Sulfate	BMB	0.006	0.032	0.7182
5	6.89	Nitrate	BMB	0.000	0.002	0.0272
TOTAL:				0.01	0.10	0.88



Peak Integration Report

Sample Name:	BLK	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	26-Jun-2025 / 15:00	Run Time:	10.00

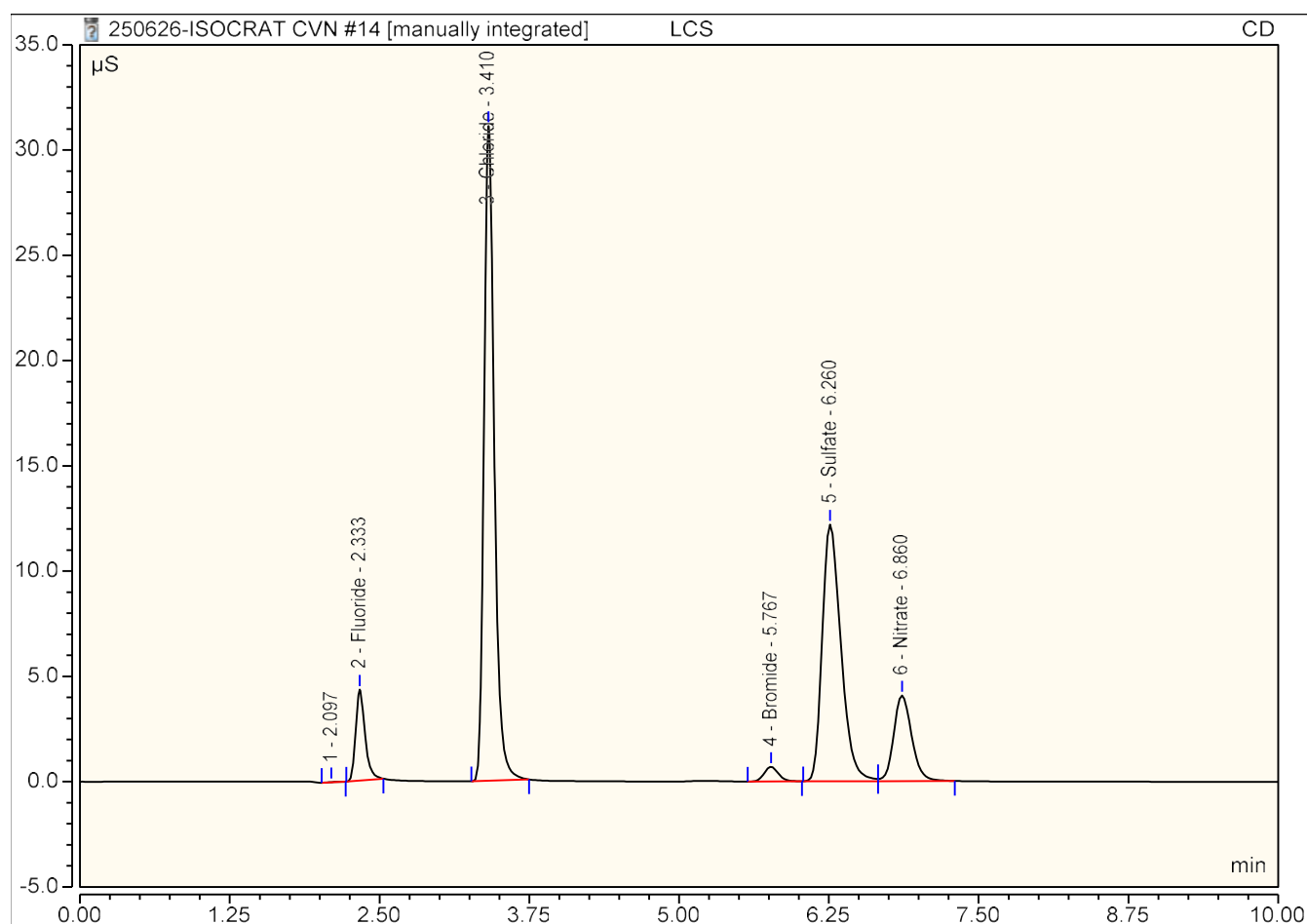
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.33	Fluoride	BMB	0.001	0.007	0.0288
3	3.42	Chloride	BMB	0.007	0.068	0.1130
4	6.34	Sulfate	BMB	0.007	0.039	0.7223
5	6.90	Nitrate	BMB	0.000	0.002	0.0272
TOTAL:				0.02	0.12	0.89



Peak Integration Report

Sample Name:	LCS	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	26-Jun-2025 / 15:12	Run Time:	10.00

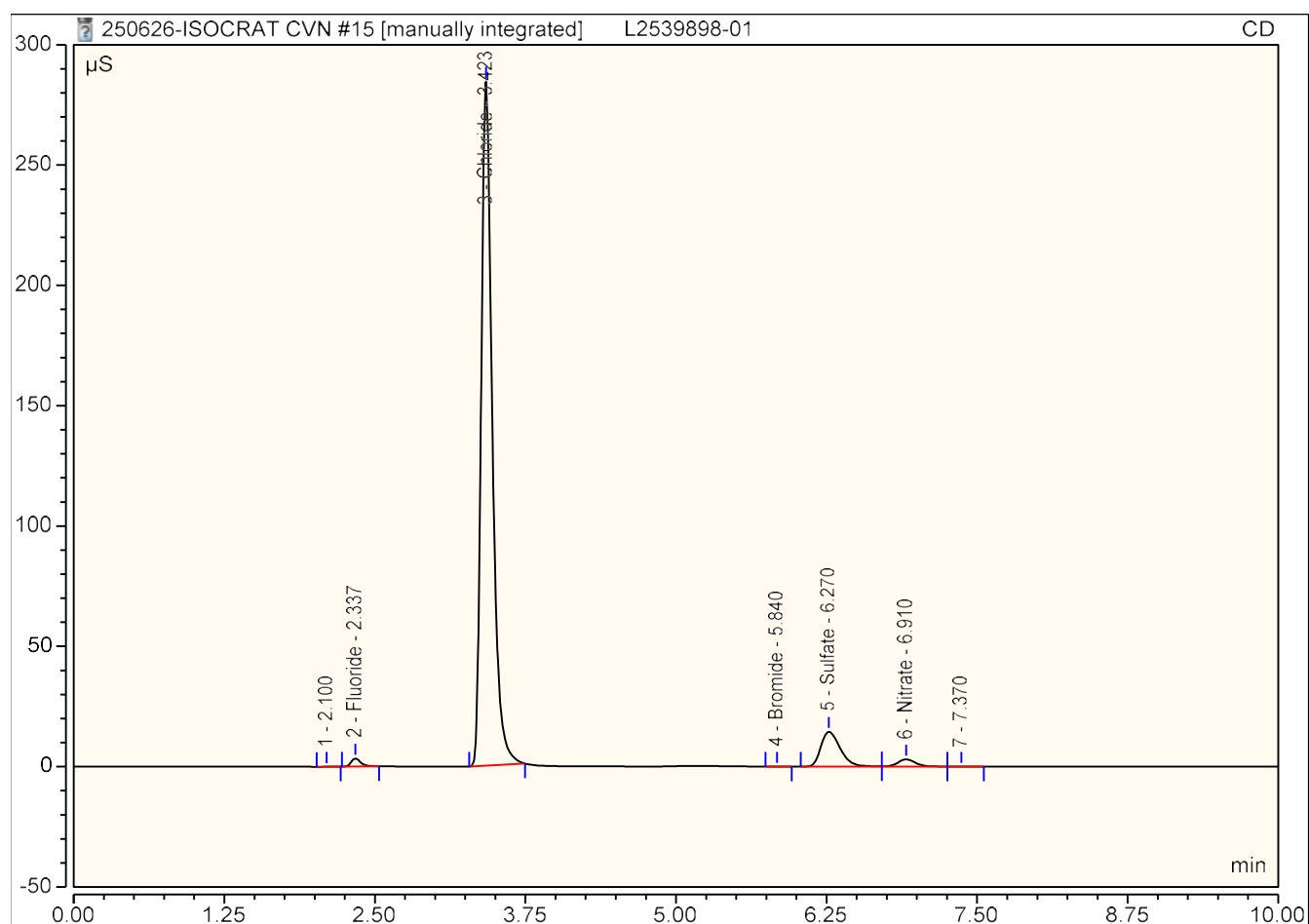
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.33	Fluoride	BMB	0.390	4.320	0.7311
3	3.41	Chloride	BMB	3.093	31.103	8.1053
4	5.77	Bromide	BMB	0.096	0.696	0.7525
5	6.26	Sulfate	BM *	2.210	12.194	7.9863
6	6.86	Nitrate	MB*	0.709	4.071	0.7718
TOTAL:				6.50	52.38	18.35



Peak Integration Report

Sample Name:	L2539898-01	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	26-Jun-2025 / 15:24	Run Time:	10.00

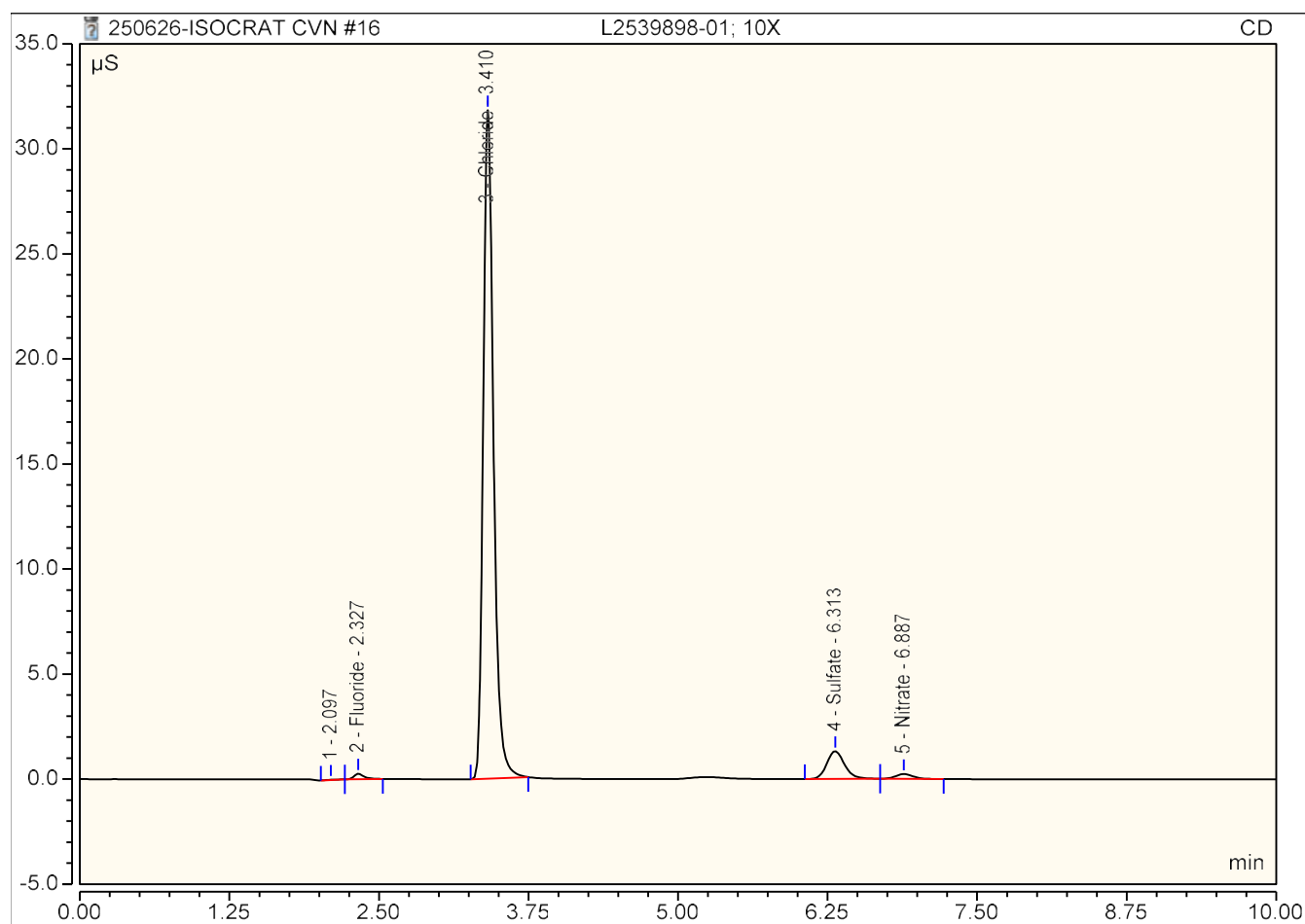
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.34	Fluoride	BMB	0.315	3.409	0.5957
3	3.42	Chloride	BMB	30.236	284.312	78.3992
4	5.84	Bromide	BMB	0.000	0.002	0.0385
5	6.27	Sulfate	BM *	2.684	14.558	9.5501
6	6.91	Nitrate	MB*	0.500	2.972	0.5526
TOTAL:				33.74	305.25	89.14



Peak Integration Report

Sample Name:	L2539898-01; 10X	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	10.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	26-Jun-2025 / 15:37	Run Time:	10.00

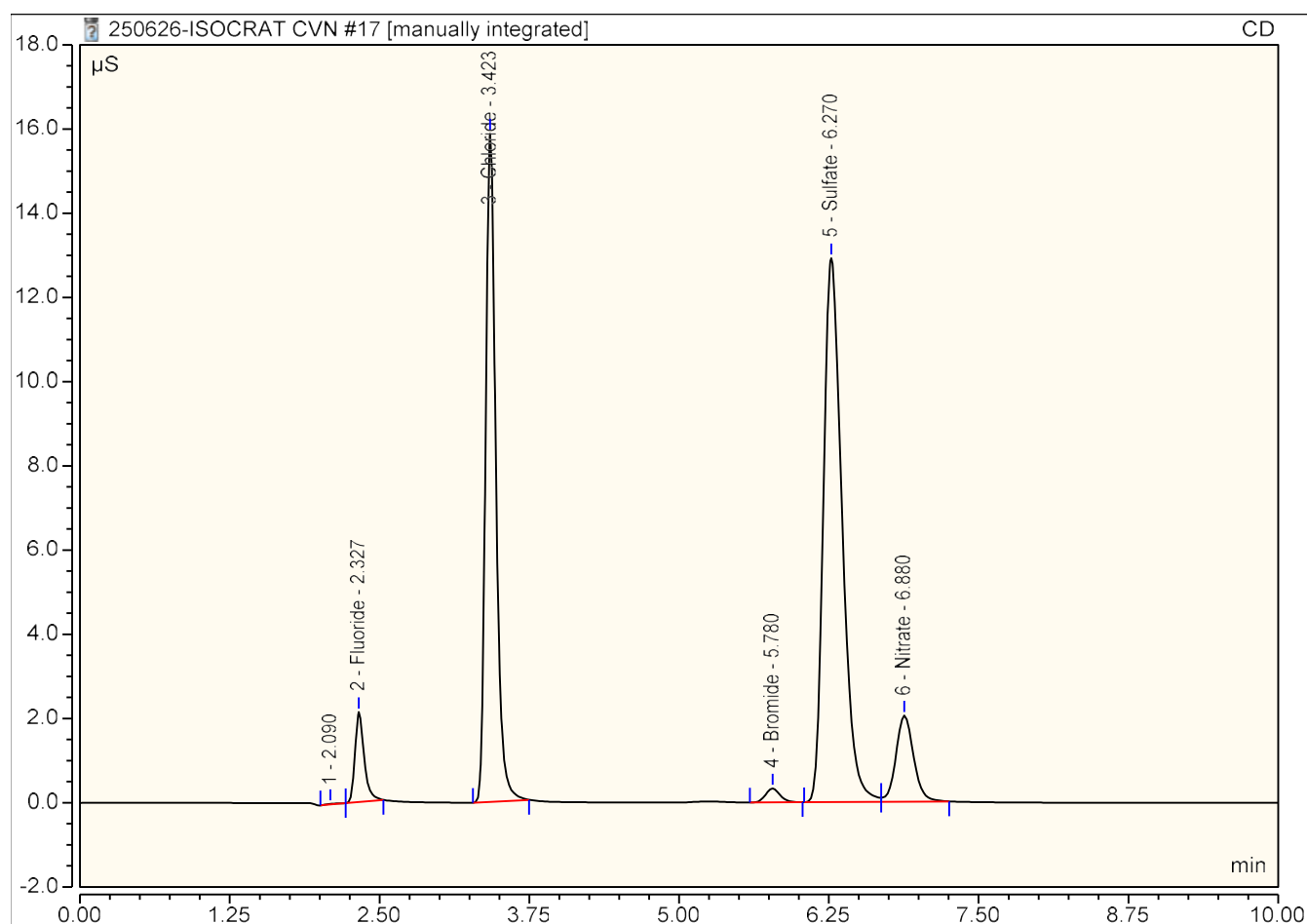
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.33	Fluoride	BMB	0.025	0.271	0.7314
3	3.41	Chloride	BMB	3.175	31.809	83.1789
4	6.31	Sulfate	BMB	0.227	1.324	14.4691
5	6.89	Nitrate	BMB	0.038	0.227	0.6667
TOTAL:				3.47	33.63	99.05



Peak Integration Report

Sample Name:	L2539898-02 MS	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	26-Jun-2025 / 15:49	Run Time:	10.00

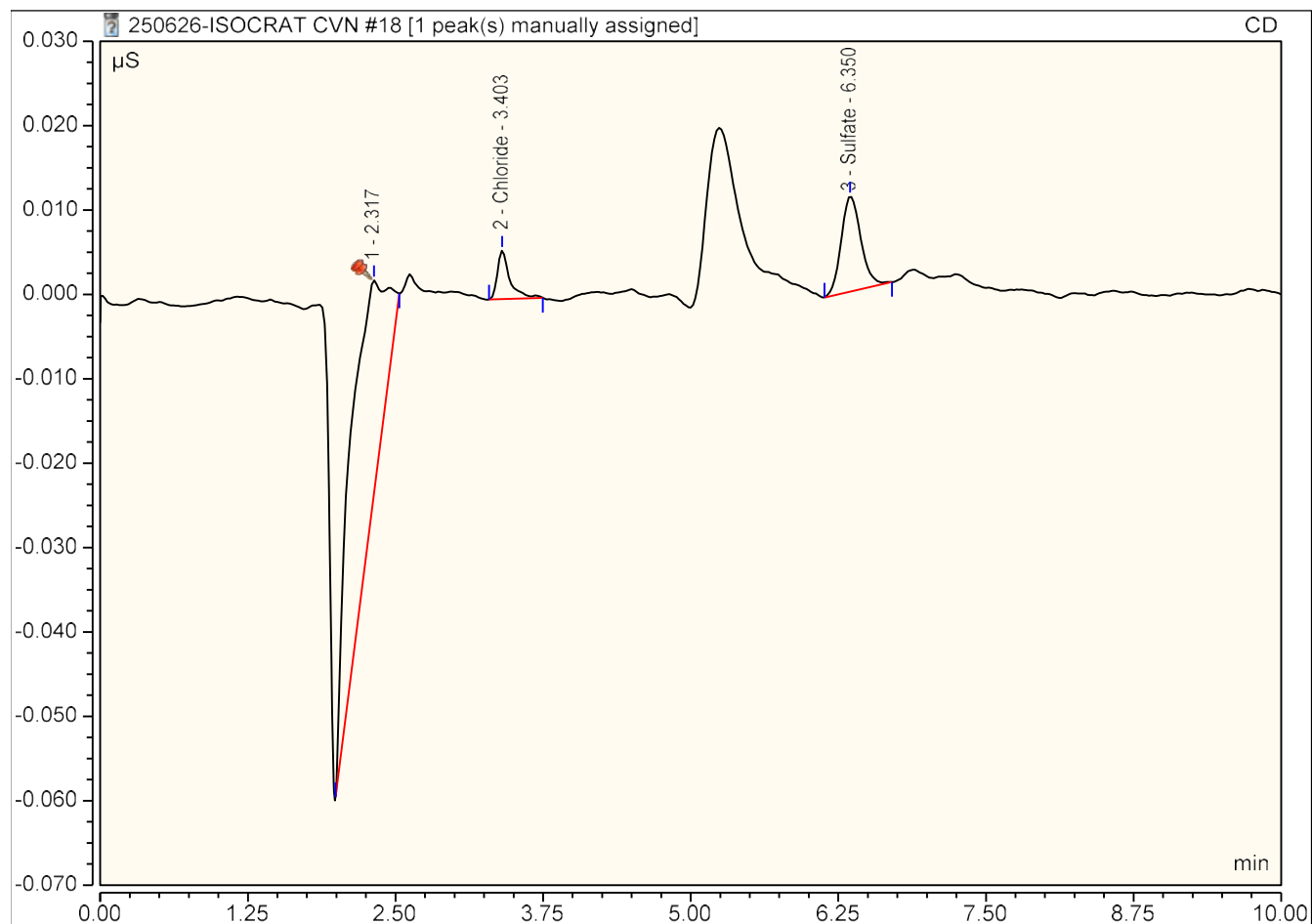
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.33	Fluoride	BMB	0.189	2.134	0.3678
3	3.42	Chloride	BMB	1.569	15.872	4.1598
4	5.78	Bromide	BMB	0.047	0.333	0.3826
5	6.27	Sulfate	BM *	2.325	12.914	8.3634
6	6.88	Nitrate	MB*	0.351	2.044	0.3959
TOTAL:				4.48	33.30	13.67



Peak Integration Report

Sample Name:	L2539898-02 DUP	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	26-Jun-2025 / 16:01	Run Time:	10.00

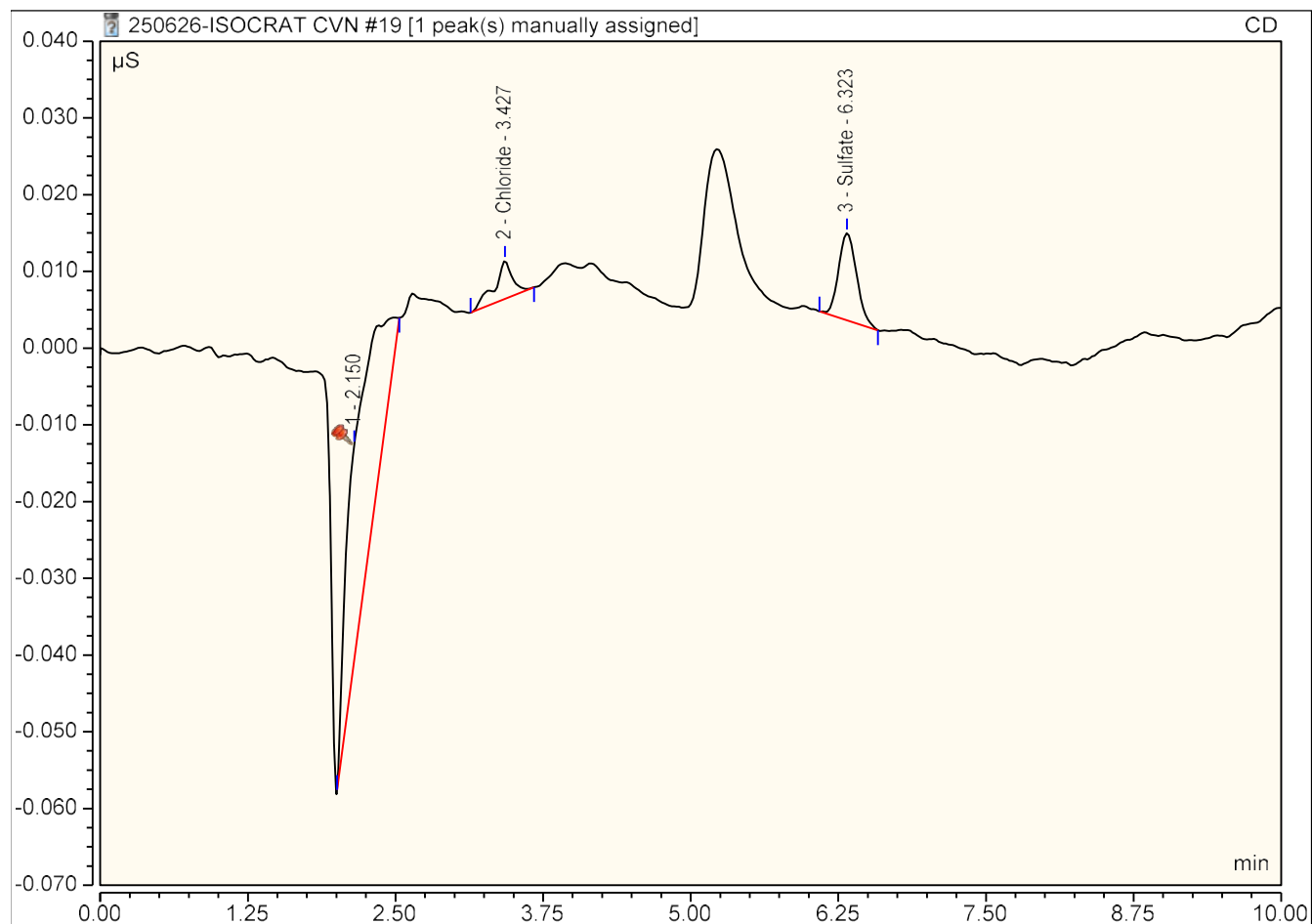
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	3.40	Chloride	BMB	0.001	0.006	0.0972
3	6.35	Sulfate	BMB	0.002	0.011	0.7050
TOTAL:				0.00	0.02	0.80



Peak Integration Report

Sample Name:	L2539898-02	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	26-Jun-2025 / 16:13	Run Time:	10.00

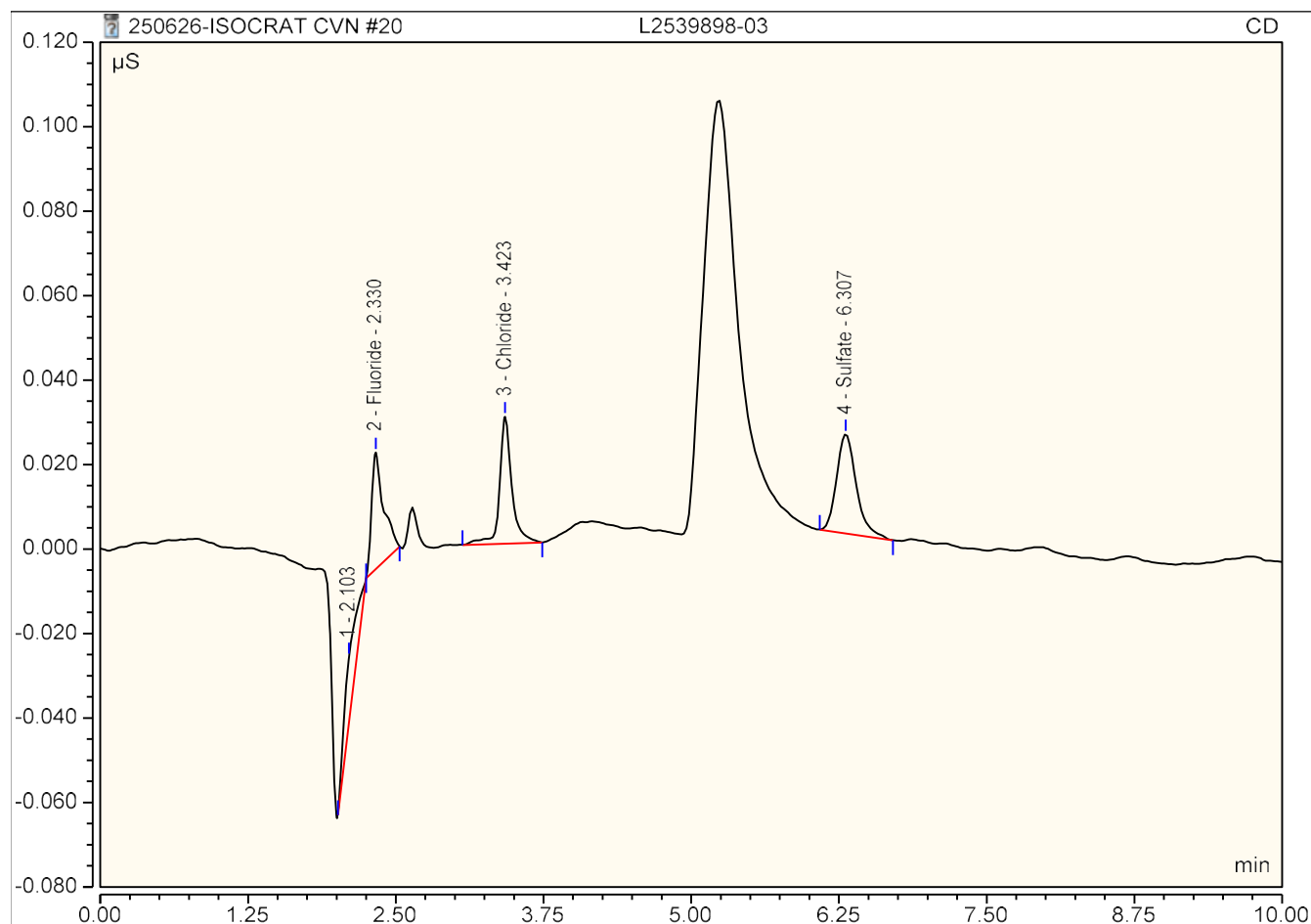
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	3.43	Chloride	BMB	0.001	0.005	0.0976
3	6.32	Sulfate	BMB	0.002	0.011	0.7045
TOTAL:				0.00	0.02	0.80



Peak Integration Report

Sample Name:	L2539898-03	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	26-Jun-2025 / 16:25	Run Time:	10.00

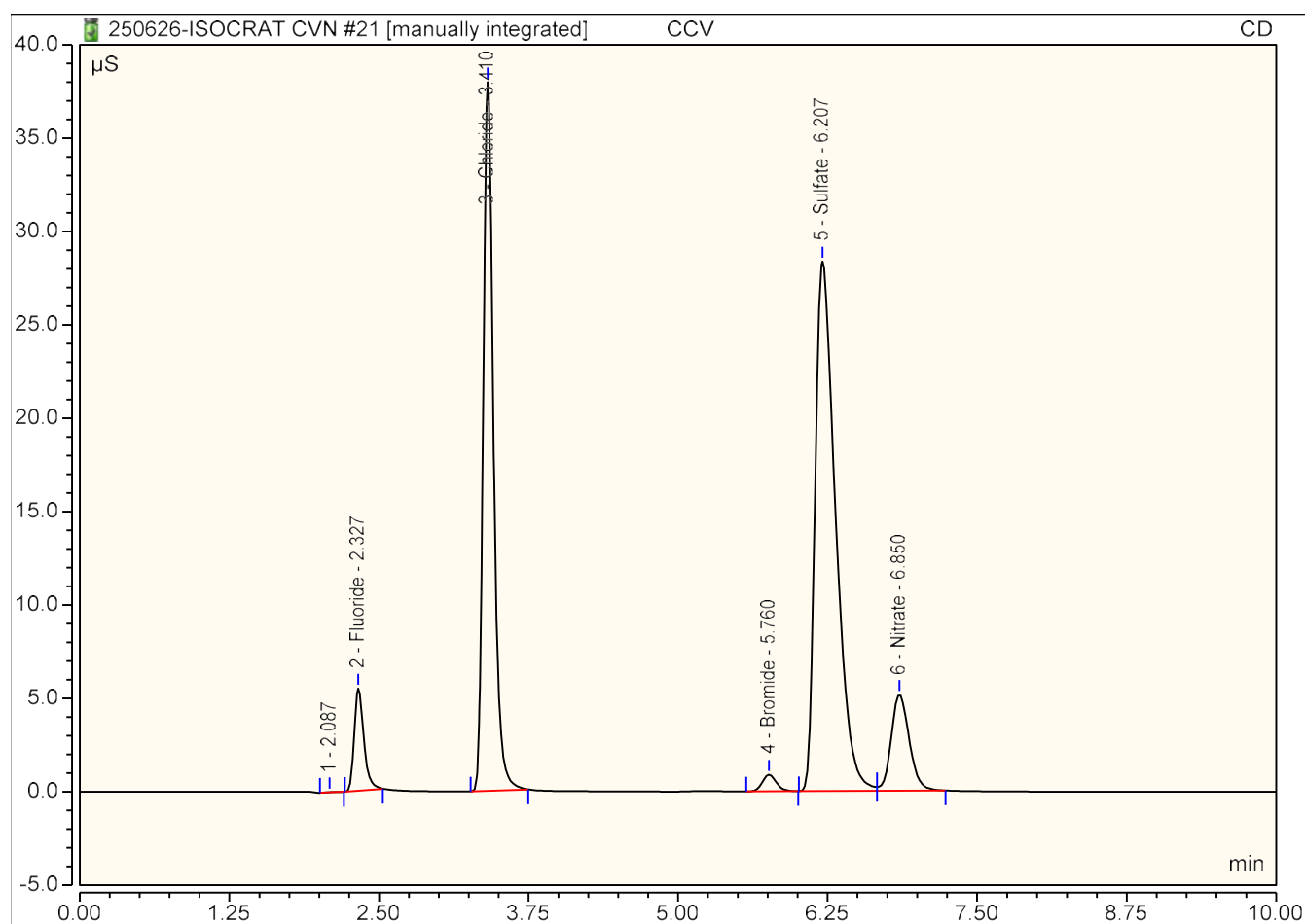
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.33	Fluoride	BMB	0.003	0.028	0.0331
3	3.42	Chloride	BMB	0.004	0.030	0.1047
4	6.31	Sulfate	BMB	0.005	0.023	0.7128
TOTAL:				0.01	0.08	0.85



Peak Integration Report

Sample Name:	CCV	Inj. Vol.:	25.00
Injection Type:	Check Standard	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	26-Jun-2025 / 16:37	Run Time:	10.00

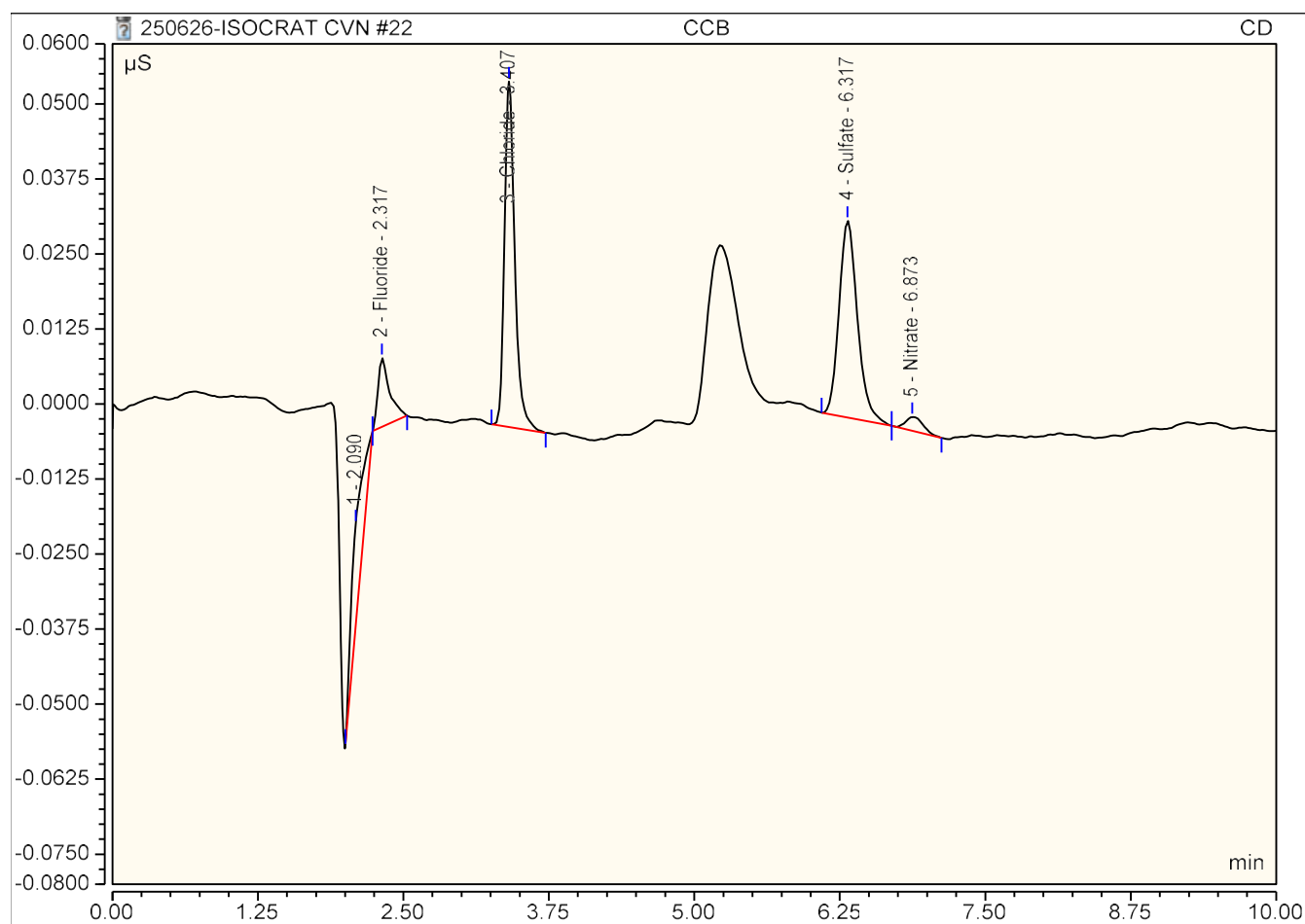
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.33	Fluoride	BMB	0.506	5.481	0.9400
3	3.41	Chloride	BMB	3.786	37.949	9.8987
4	5.76	Bromide	BMB	0.122	0.901	0.9419
5	6.21	Sulfate	BM *	5.608	28.367	19.1896
6	6.85	Nitrate	MB*	0.904	5.148	0.9761
TOTAL:				10.93	77.85	31.95



Peak Integration Report

Sample Name:	CCB	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	26-Jun-2025 / 16:49	Run Time:	10.00

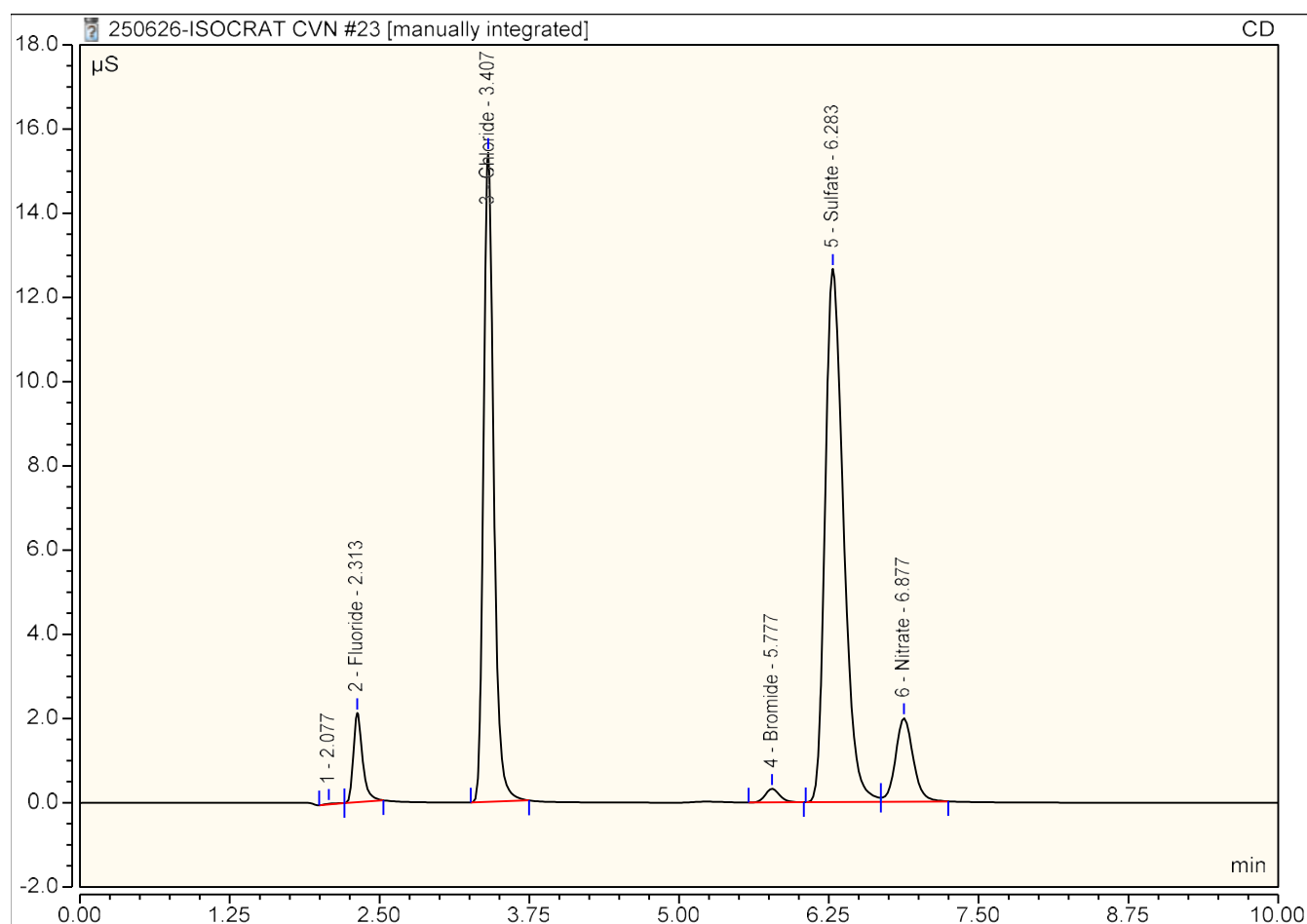
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.32	Fluoride	BMB	0.001	0.011	0.0297
3	3.41	Chloride	BMB	0.006	0.058	0.1106
4	6.32	Sulfate	BMB	0.006	0.033	0.7176
5	6.87	Nitrate	BMB	0.000	0.002	0.0273
TOTAL:				0.01	0.10	0.89



Peak Integration Report

Sample Name:	L2539898-04 MS	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	26-Jun-2025 / 17:01	Run Time:	10.00

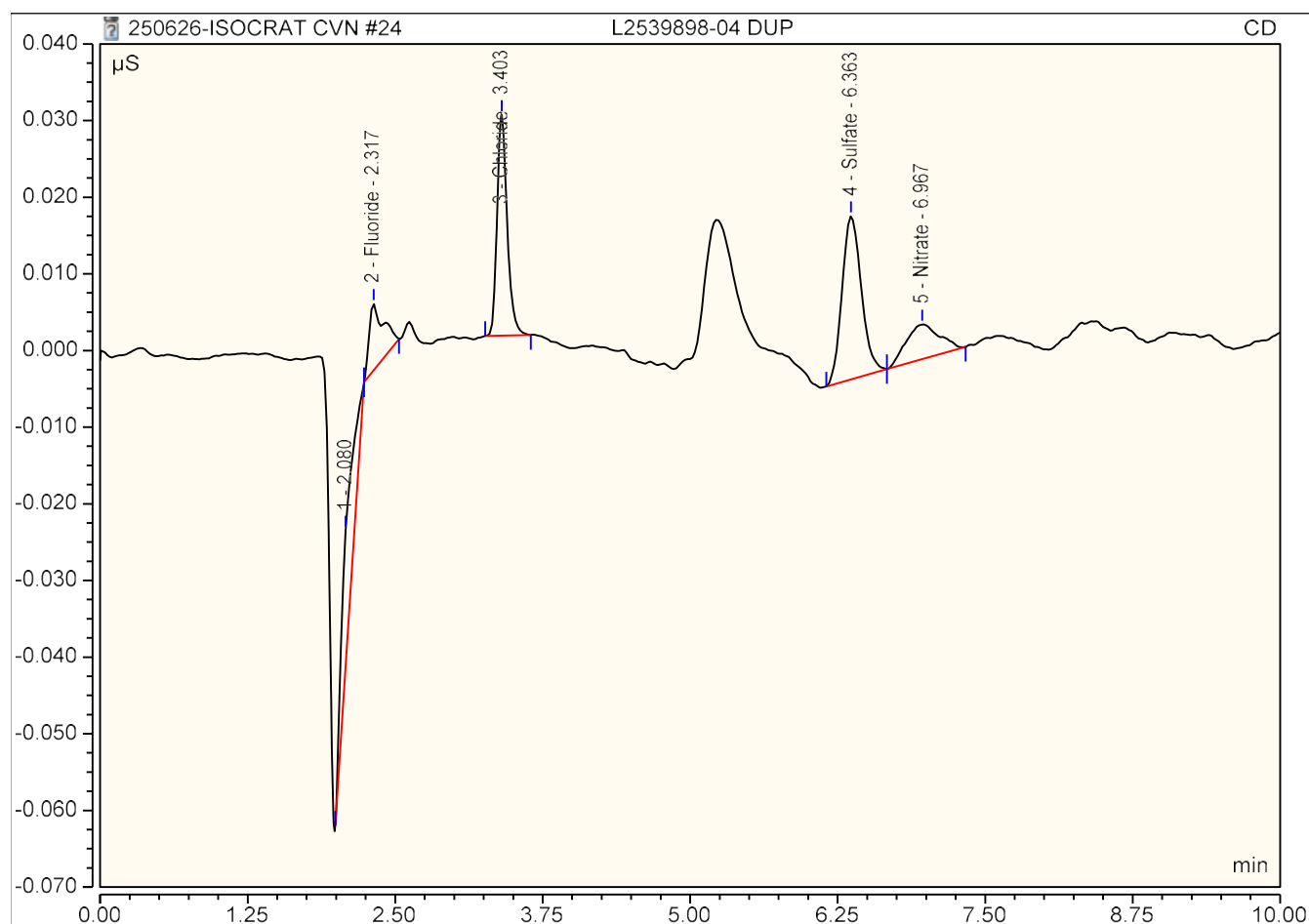
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.31	Fluoride	BMB	0.186	2.115	0.3623
3	3.41	Chloride	BMB	1.530	15.414	4.0576
4	5.78	Bromide	BMB	0.046	0.325	0.3759
5	6.28	Sulfate	BM *	2.254	12.664	8.1304
6	6.88	Nitrate	M *	0.343	1.991	0.3874
TOTAL:				4.36	32.51	13.31



Peak Integration Report

Sample Name:	L2539898-04 DUP	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	26-Jun-2025 / 17:13	Run Time:	10.00

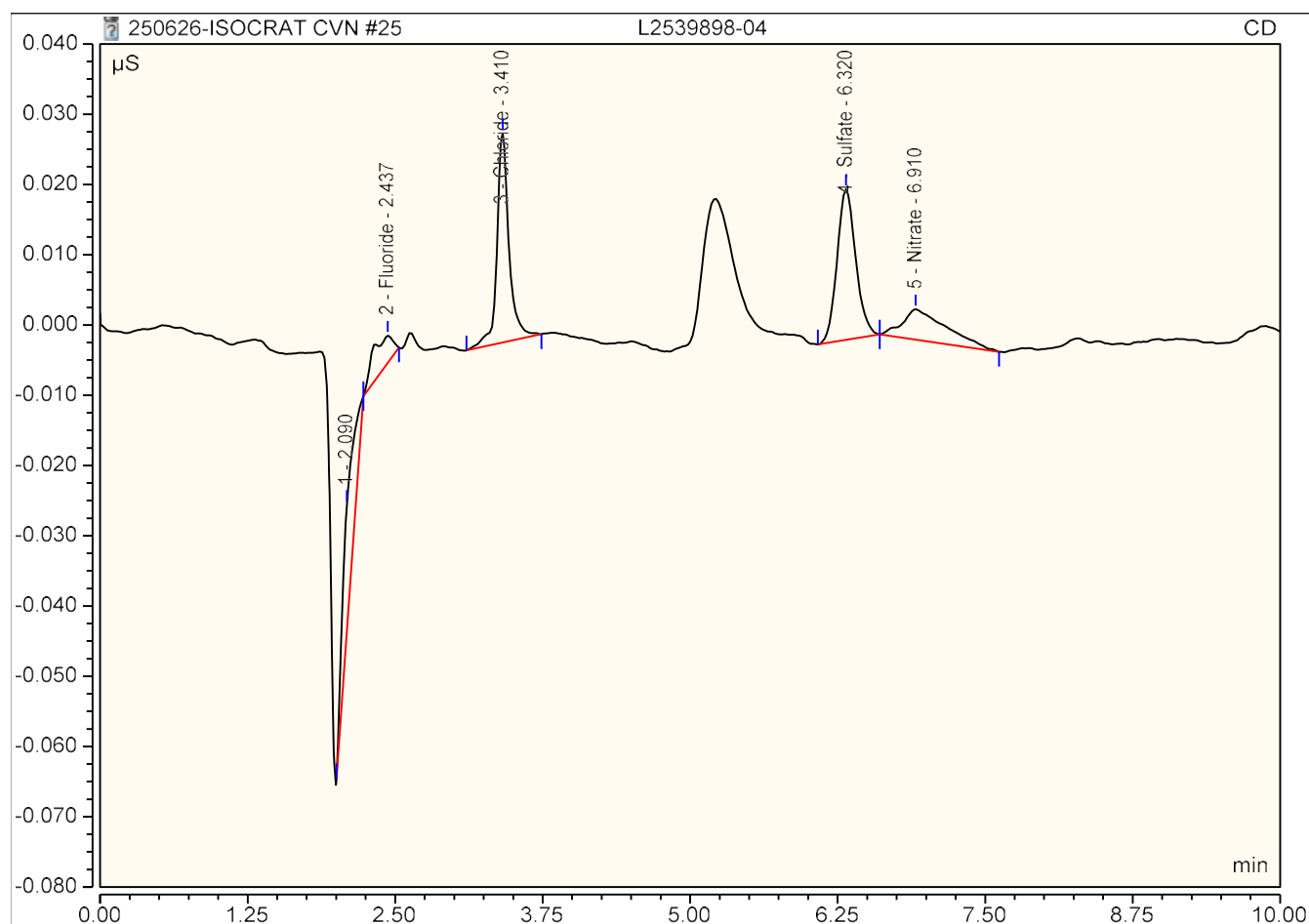
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.32	Fluoride	BMB	0.001	0.009	0.0295
3	3.40	Chloride	BMB	0.003	0.029	0.1028
4	6.36	Sulfate	BMB	0.004	0.021	0.7111
5	6.97	Nitrate	BMB	0.001	0.005	0.0284
TOTAL:				0.01	0.06	0.87



Peak Integration Report

Sample Name:	L2539898-04	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	26-Jun-2025 / 17:25	Run Time:	10.00

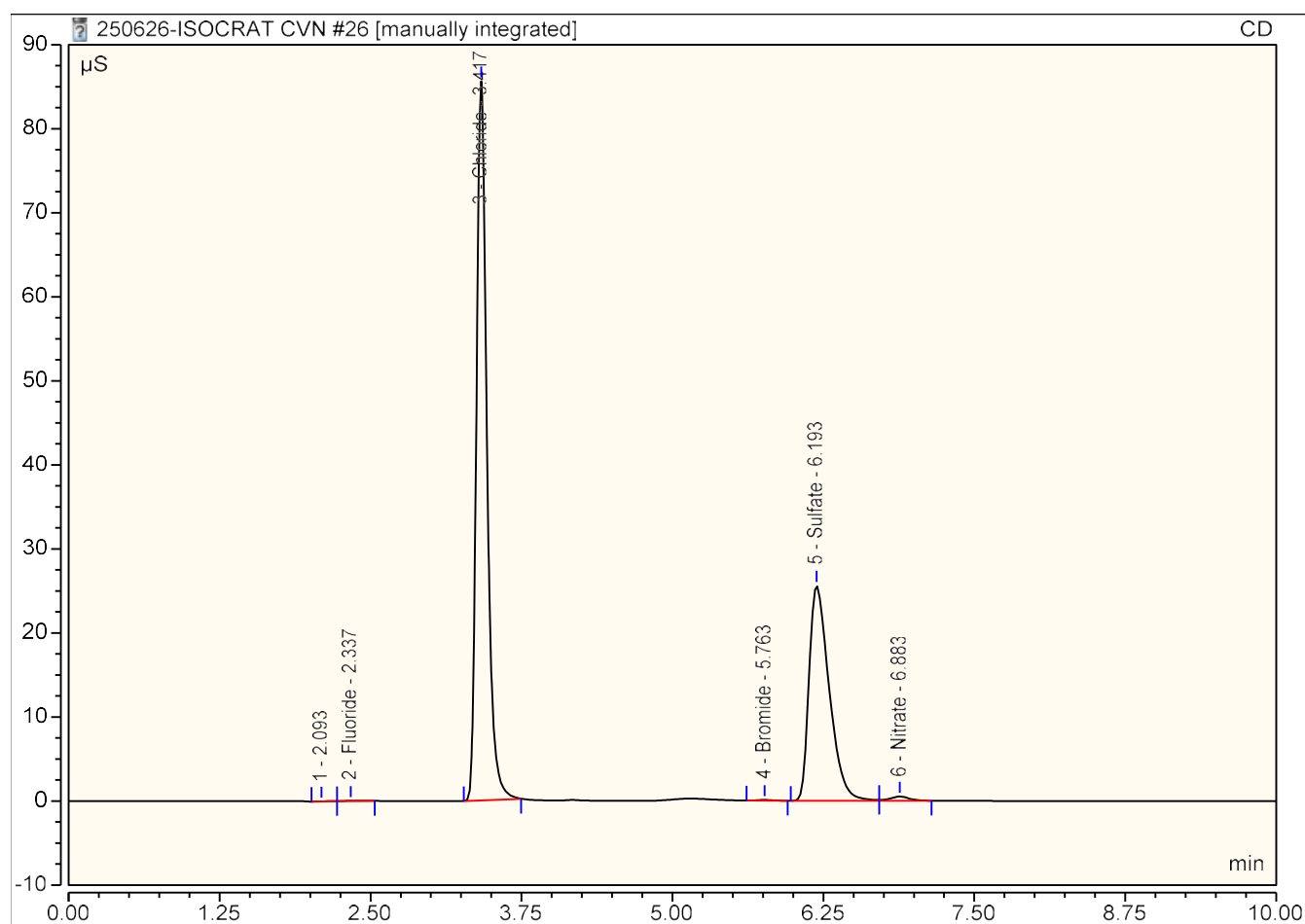
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.44	Fluoride	BMB	0.001	0.004	0.0289
3	3.41	Chloride	BMB	0.004	0.030	0.1044
4	6.32	Sulfate	BMB	0.004	0.021	0.7108
5	6.91	Nitrate	BMB	0.002	0.004	0.0289
TOTAL:				0.01	0.06	0.87



Peak Integration Report

Sample Name:	L2539970-05 CL SO4 NO3; 50X	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	50.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	26-Jun-2025 / 17:37	Run Time:	10.00

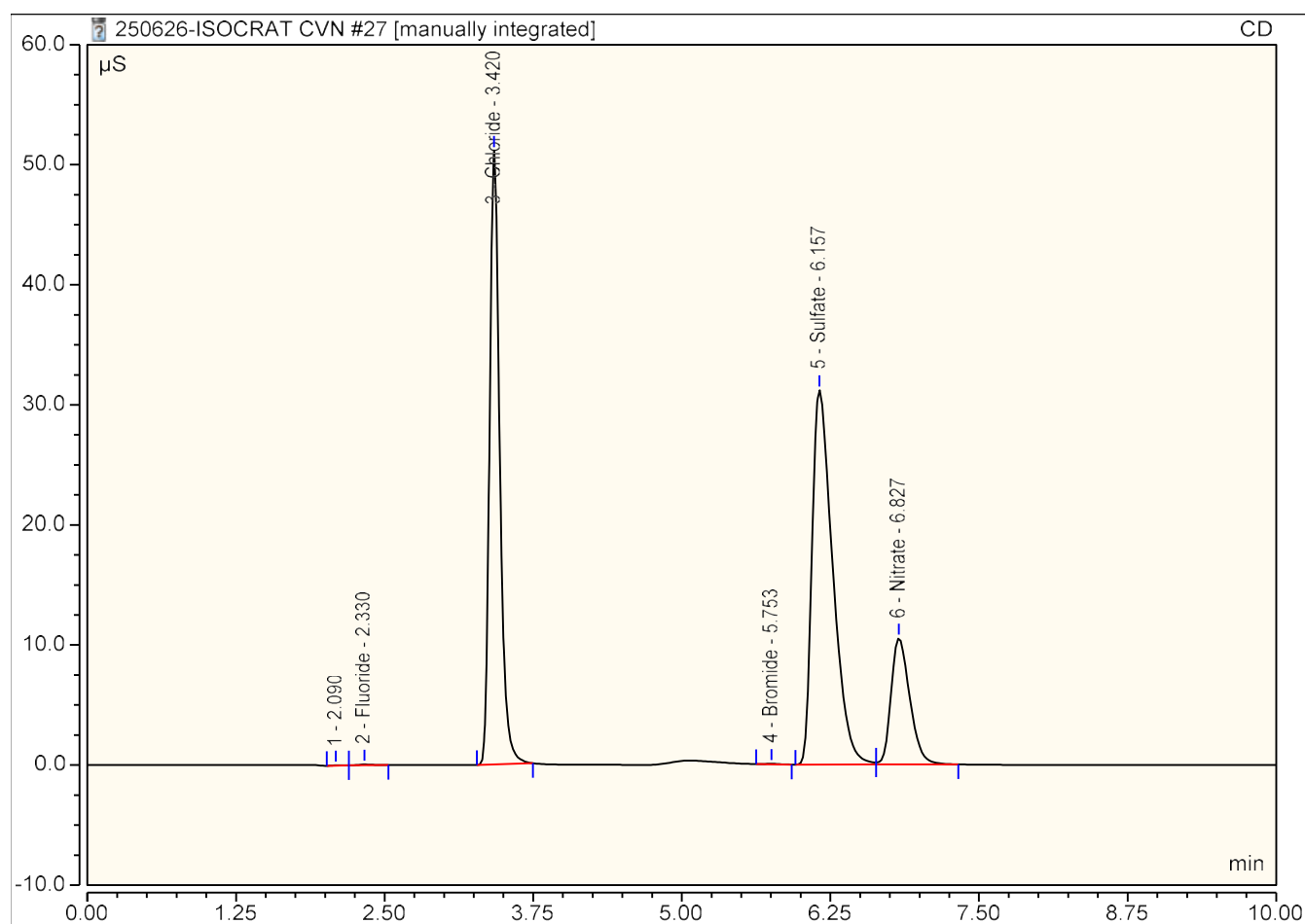
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.34	Fluoride	BMB	0.004	0.028	1.7141
3	3.42	Chloride	BMB	8.607	85.564	1119.2585
4	5.76	Bromide	BMB	0.013	0.096	6.6116
5	6.19	Sulfate	BM *	4.949	25.604	850.8268
6	6.88	Nitrate	MB*	0.090	0.502	6.0625
TOTAL:				13.66	111.79	1984.47



Peak Integration Report

Sample Name:	L2538382-01 BR	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	26-Jun-2025 / 17:49	Run Time:	10.00

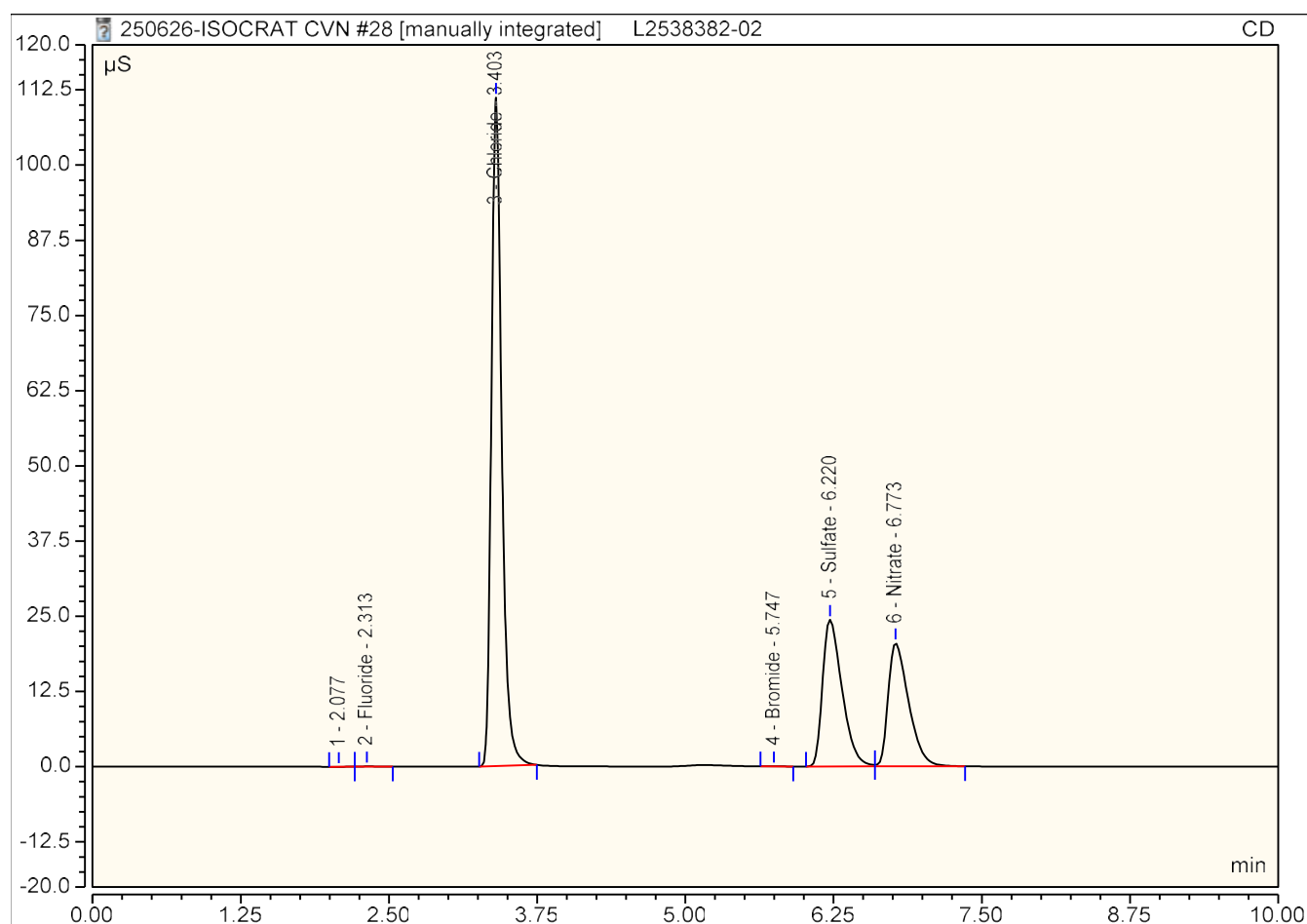
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.33	Fluoride	BMB	0.007	0.066	0.0401
3	3.42	Chloride	BMB	5.086	51.120	13.2672
4	5.75	Bromide	BMB	0.005	0.041	0.0765
5	6.16	Sulfate	BM *	6.295	31.184	21.4562
6	6.83	Nitrate	MB*	1.921	10.508	2.0452
TOTAL:				13.31	92.92	36.89



Peak Integration Report

Sample Name:	L2538382-02	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	26-Jun-2025 / 18:02	Run Time:	10.00

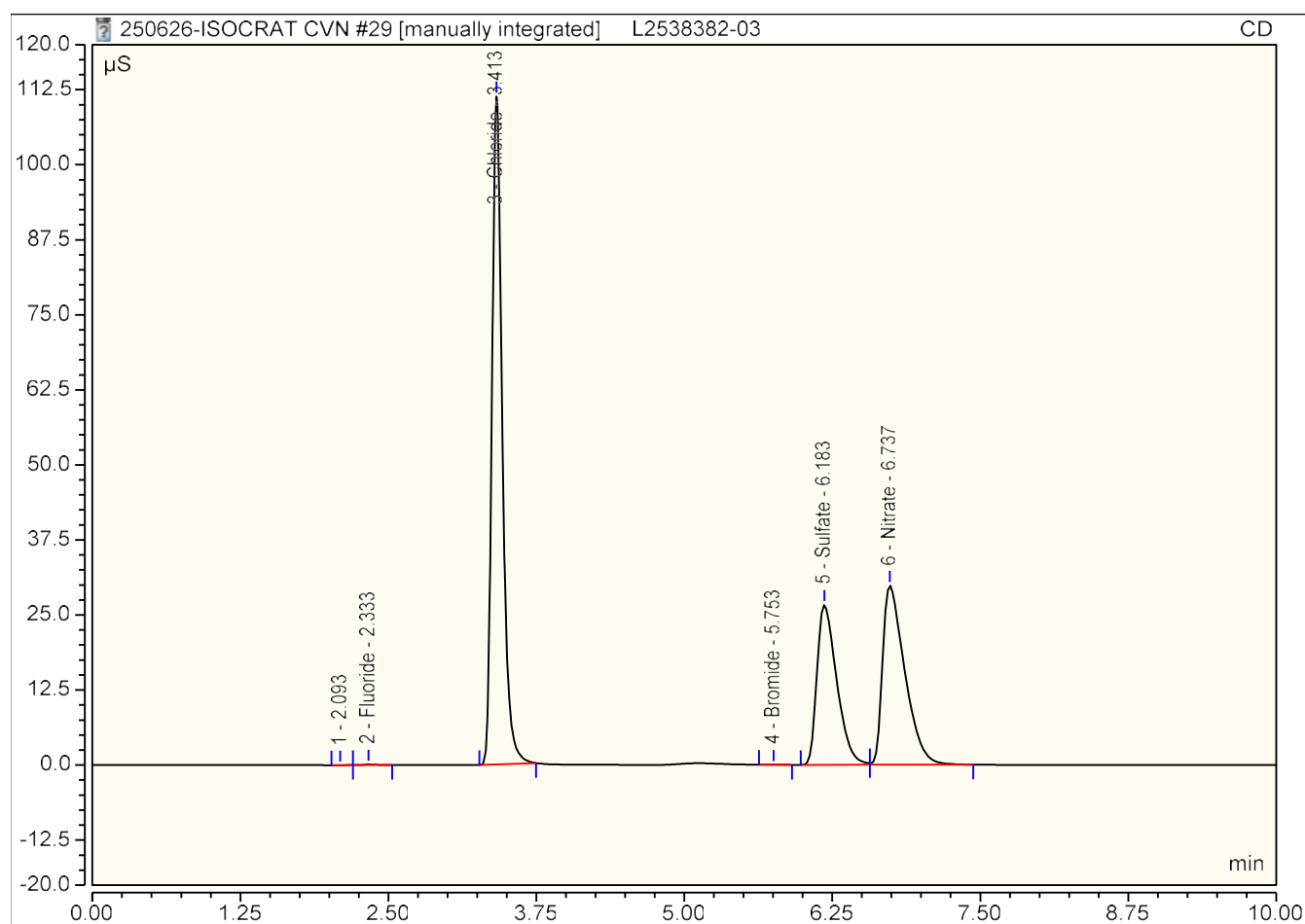
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.31	Fluoride	BMB	0.008	0.074	0.0419
3	3.40	Chloride	BMB	11.241	111.130	29.2075
4	5.75	Bromide	BMB	0.002	0.018	0.0541
5	6.22	Sulfate	BM *	4.648	24.385	16.0248
6	6.77	Nitrate	MB*	4.100	20.495	4.3337
TOTAL:				20.00	156.10	49.66



Peak Integration Report

Sample Name:	L2538382-03	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	26-Jun-2025 / 18:14	Run Time:	10.00

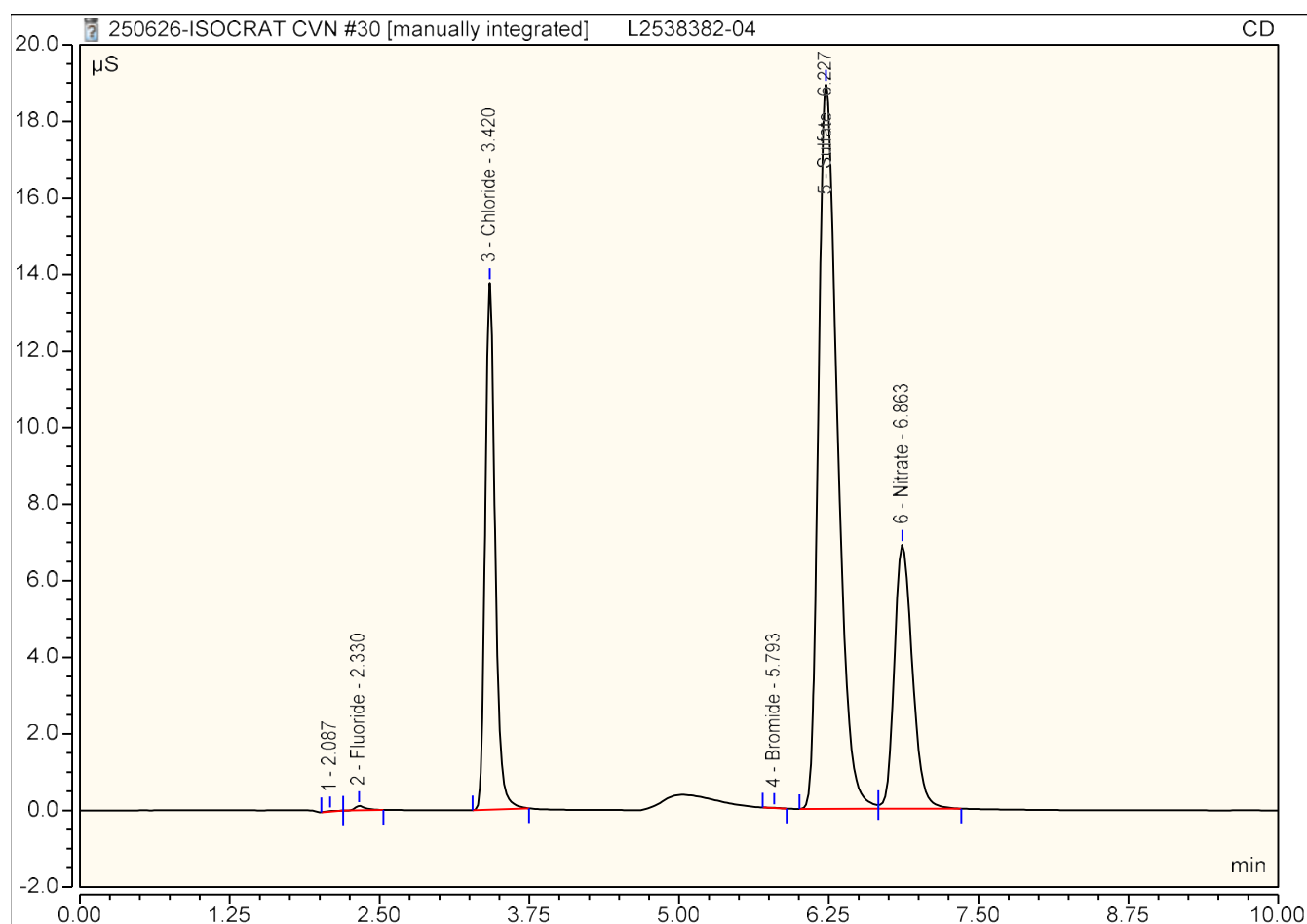
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.33	Fluoride	BMB	0.011	0.111	0.0478
3	3.41	Chloride	BMB	11.252	111.296	29.2338
4	5.75	Bromide	BMB	0.004	0.033	0.0681
5	6.18	Sulfate	BM *	5.156	26.662	17.6987
6	6.74	Nitrate	MB*	6.490	29.855	6.8446
TOTAL:				22.91	167.96	53.89



Peak Integration Report

Sample Name:	L2538382-04	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	26-Jun-2025 / 18:26	Run Time:	10.00

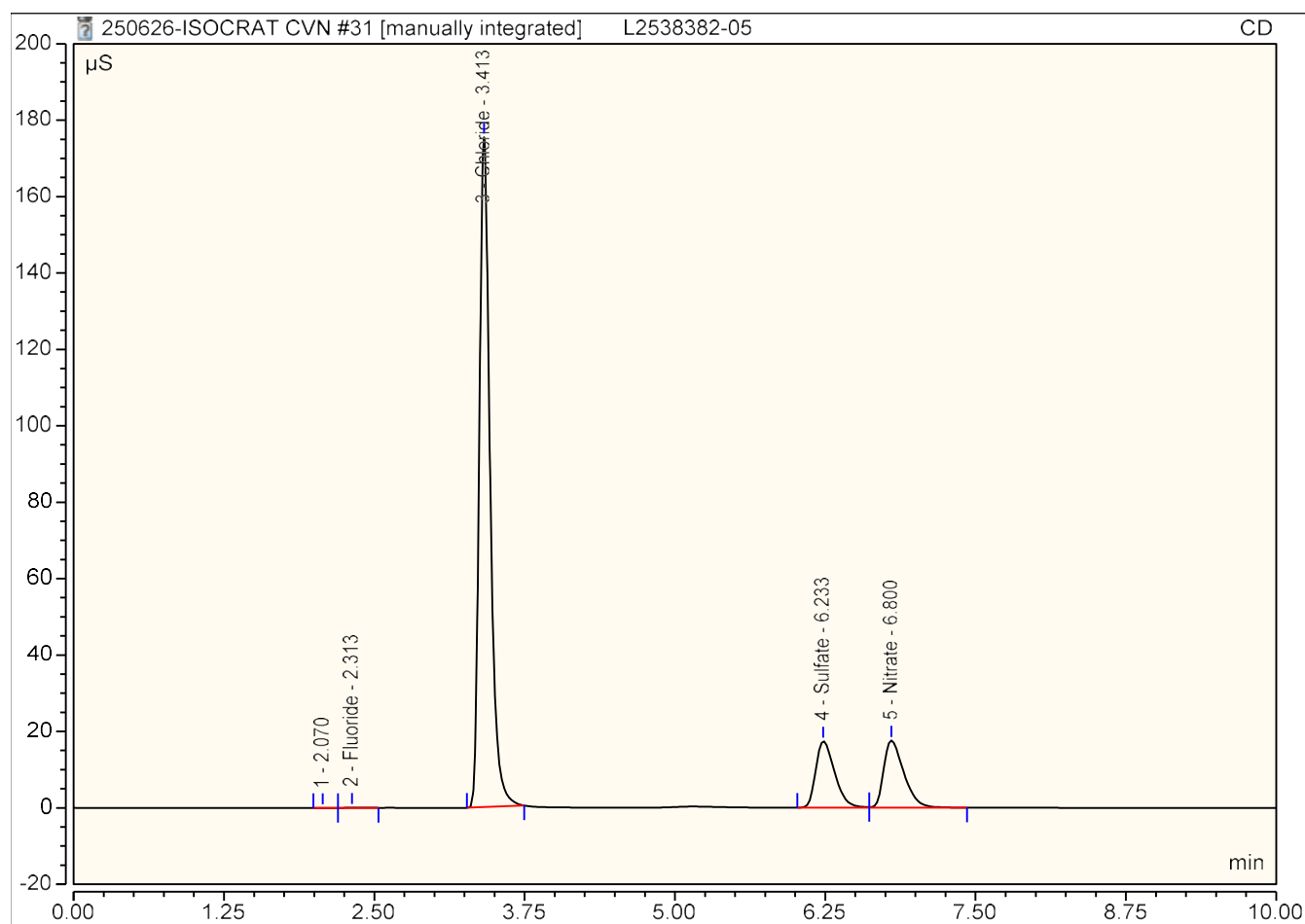
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.33	Fluoride	BMB	0.012	0.118	0.0490
3	3.42	Chloride	BMB	1.324	13.759	3.5229
4	5.79	Bromide	BMB	0.000	0.004	0.0401
5	6.23	Sulfate	BM *	3.493	18.920	12.2175
6	6.86	Nitrate	MB*	1.209	6.899	1.2971
TOTAL:				6.04	39.70	17.13



Peak Integration Report

Sample Name:	L2538382-05	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	26-Jun-2025 / 18:38	Run Time:	10.00

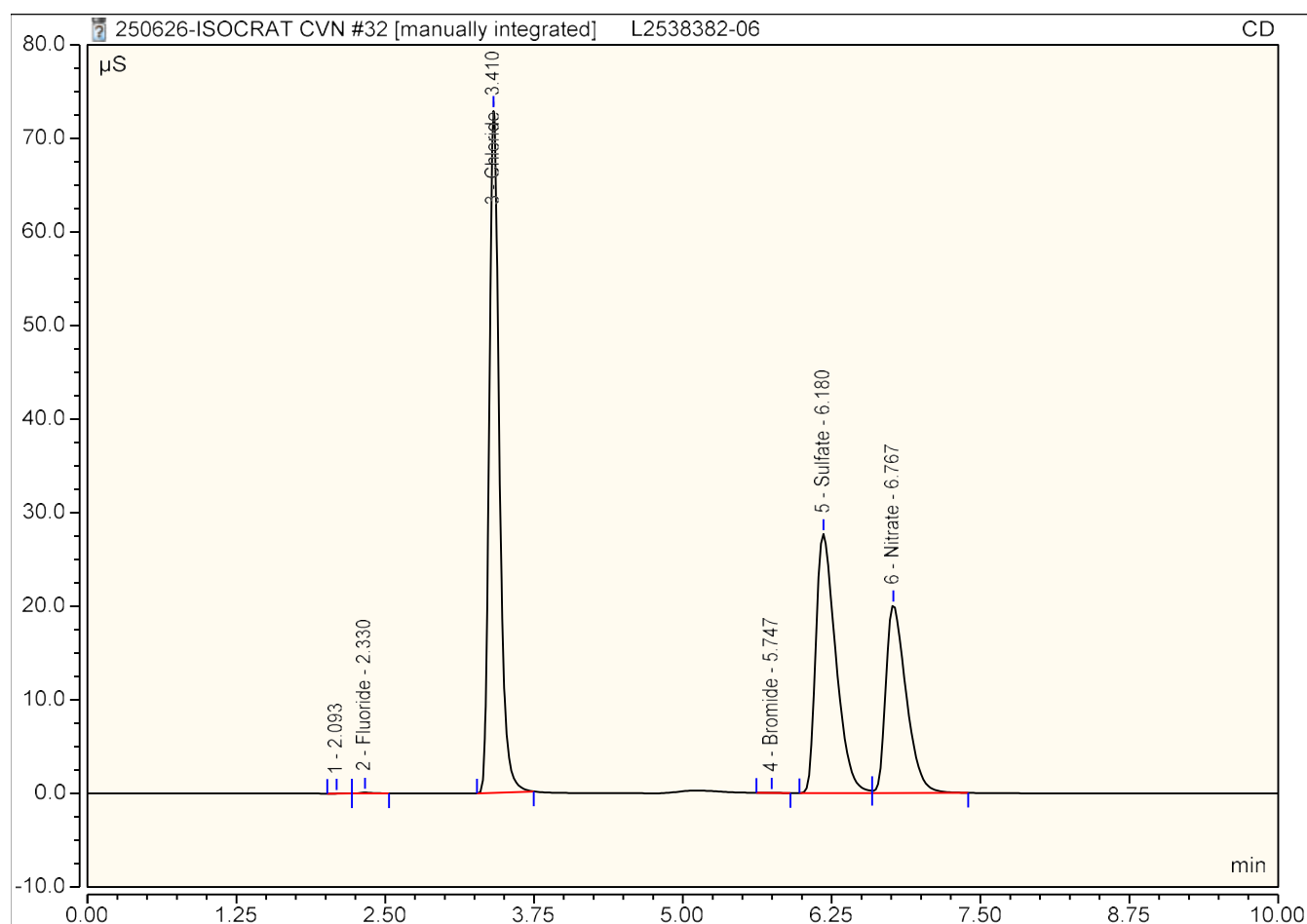
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.31	Fluoride	BMB	0.008	0.069	0.0408
3	3.41	Chloride	BMB	18.159	175.353	47.1225
4	6.23	Sulfate	BM *	3.165	17.392	11.1357
5	6.80	Nitrate	MB*	3.411	17.562	3.6105
TOTAL:				24.74	210.38	61.91



Peak Integration Report

Sample Name:	L2538382-06	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	26-Jun-2025 / 18:50	Run Time:	10.00

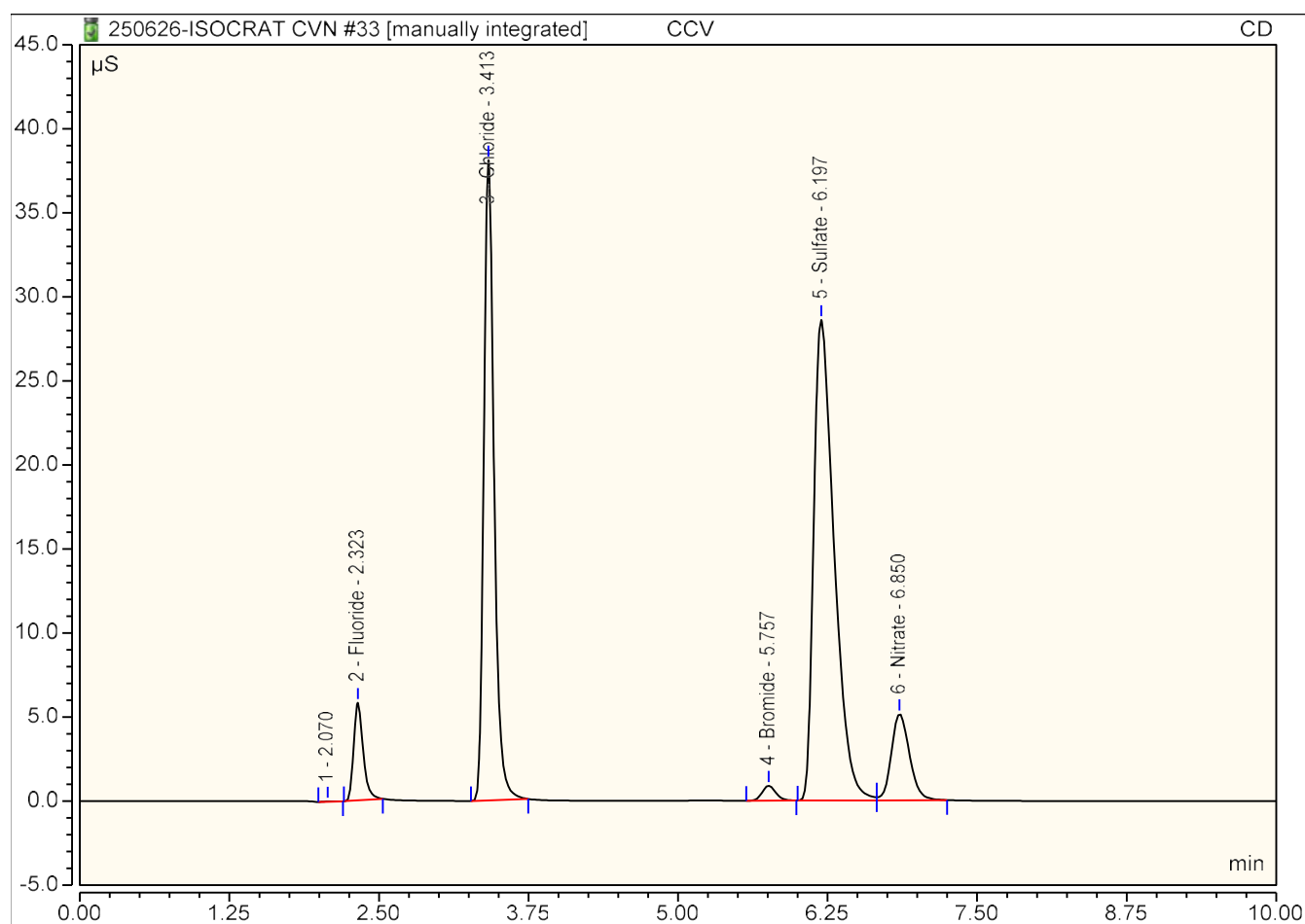
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.33	Fluoride	BMB	0.012	0.113	0.0482
3	3.41	Chloride	BMB	7.248	72.873	18.8653
4	5.75	Bromide	BMB	0.004	0.035	0.0697
5	6.18	Sulfate	BM *	5.404	27.695	18.5194
6	6.77	Nitrate	MB*	3.993	20.072	4.2214
TOTAL:				16.66	120.79	41.72



Peak Integration Report

Sample Name:	CCV	Inj. Vol.:	25.00
Injection Type:	Check Standard	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	26-Jun-2025 / 19:02	Run Time:	10.00

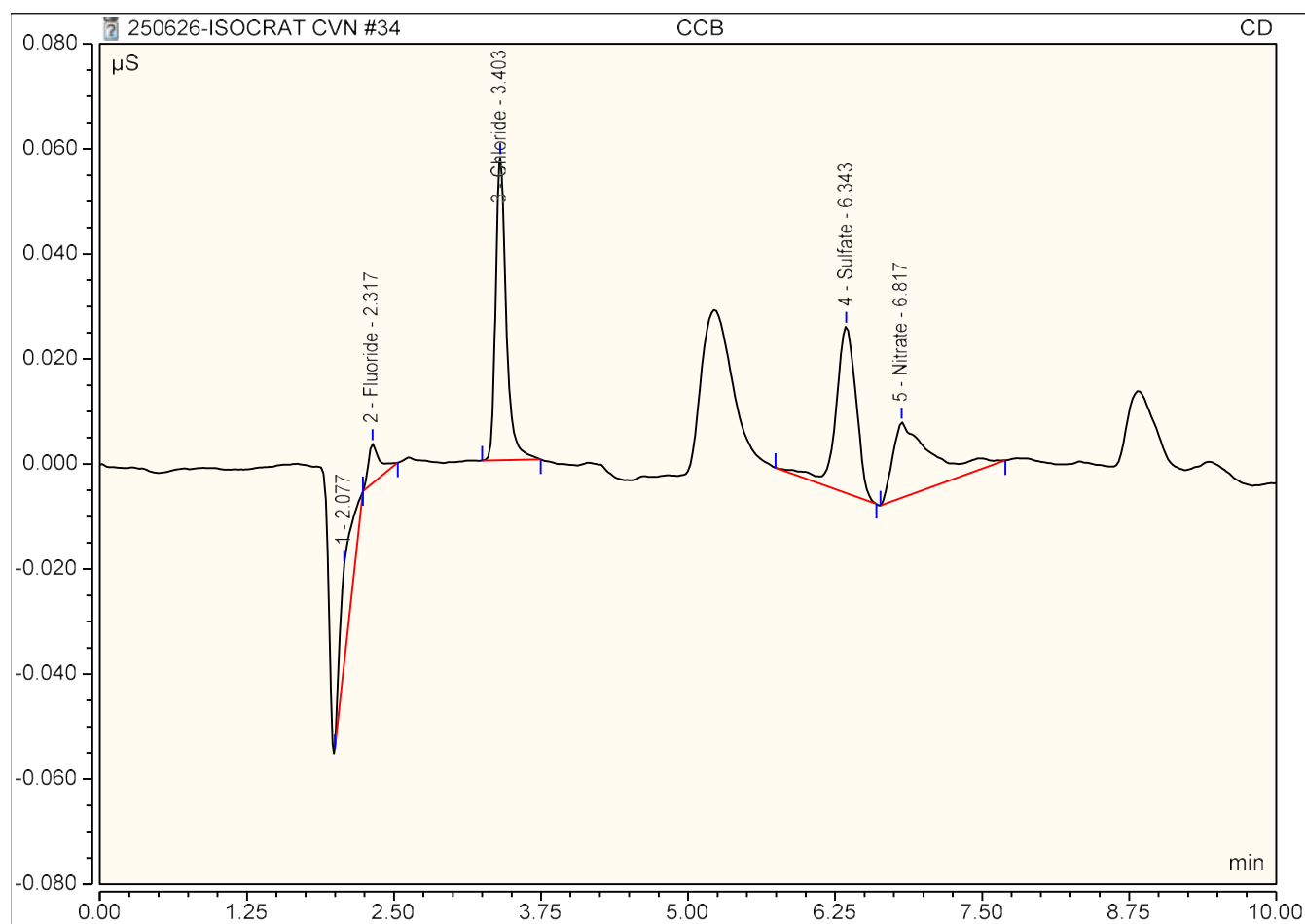
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.32	Fluoride	BMB	0.530	5.815	0.9834
3	3.41	Chloride	BMB	3.795	38.086	9.9233
4	5.76	Bromide	BMB	0.121	0.897	0.9324
5	6.20	Sulfate	BM *	5.645	28.595	19.3131
6	6.85	Nitrate	MB*	0.905	5.130	0.9777
TOTAL:				11.00	78.52	32.13



Peak Integration Report

Sample Name:	CCB	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	26-Jun-2025 / 19:14	Run Time:	10.00

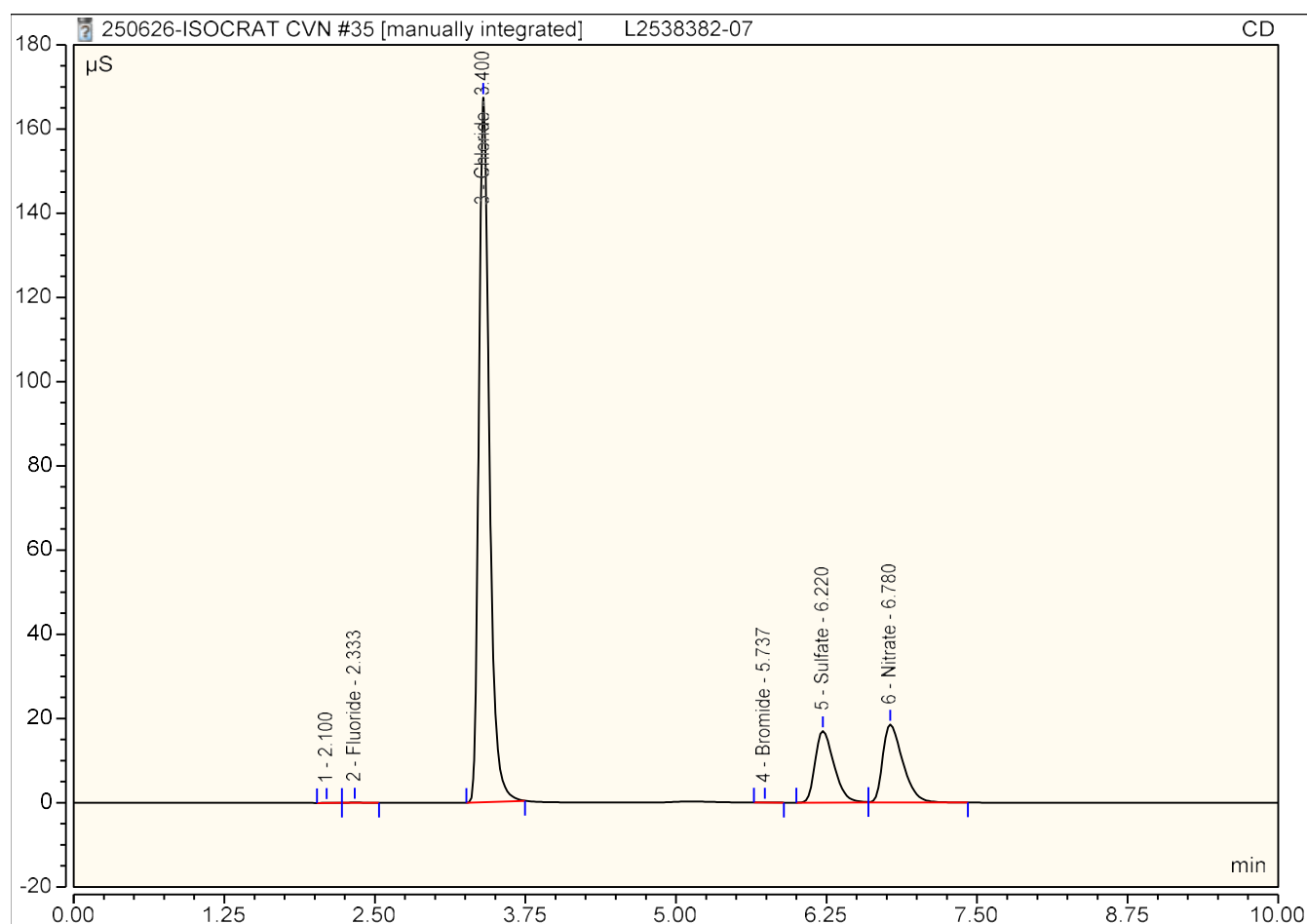
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.32	Fluoride	BMB	0.001	0.008	0.0288
3	3.40	Chloride	BMB	0.006	0.058	0.1109
4	6.34	Sulfate	BMB	0.006	0.032	0.7187
5	6.82	Nitrate	BMB	0.005	0.014	0.0326
TOTAL:				0.02	0.11	0.89



Peak Integration Report

Sample Name:	L2538382-07	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	26-Jun-2025 / 19:26	Run Time:	10.00

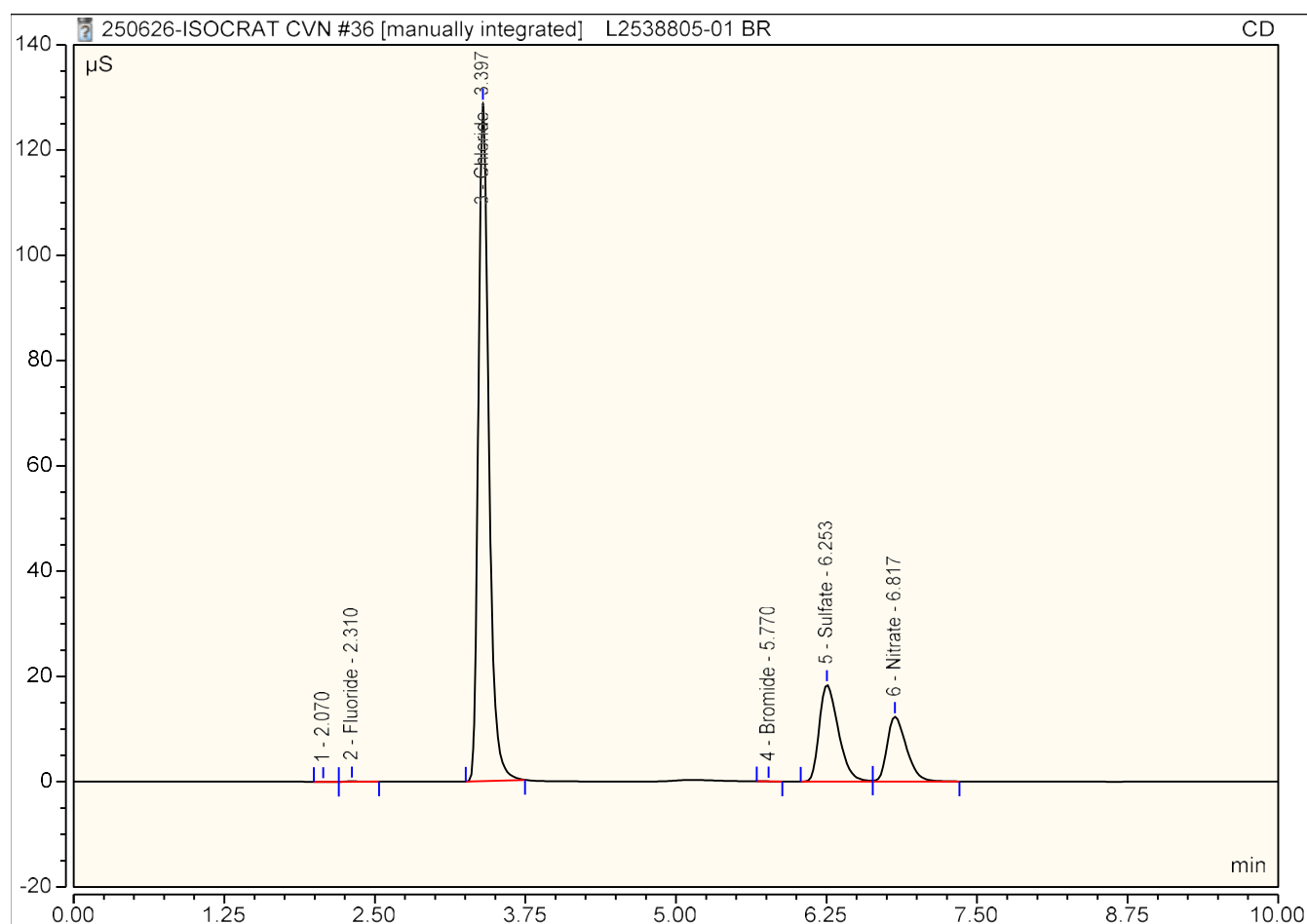
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.33	Fluoride	BMB	0.007	0.071	0.0408
3	3.40	Chloride	BMB	16.960	167.288	44.0183
4	5.74	Bromide	BMB	0.001	0.009	0.0467
5	6.22	Sulfate	BM *	3.095	17.007	10.9051
6	6.78	Nitrate	MB*	3.595	18.561	3.8032
TOTAL:				23.66	202.94	58.81



Peak Integration Report

Sample Name:	L2538805-01 BR	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	26-Jun-2025 / 19:38	Run Time:	10.00

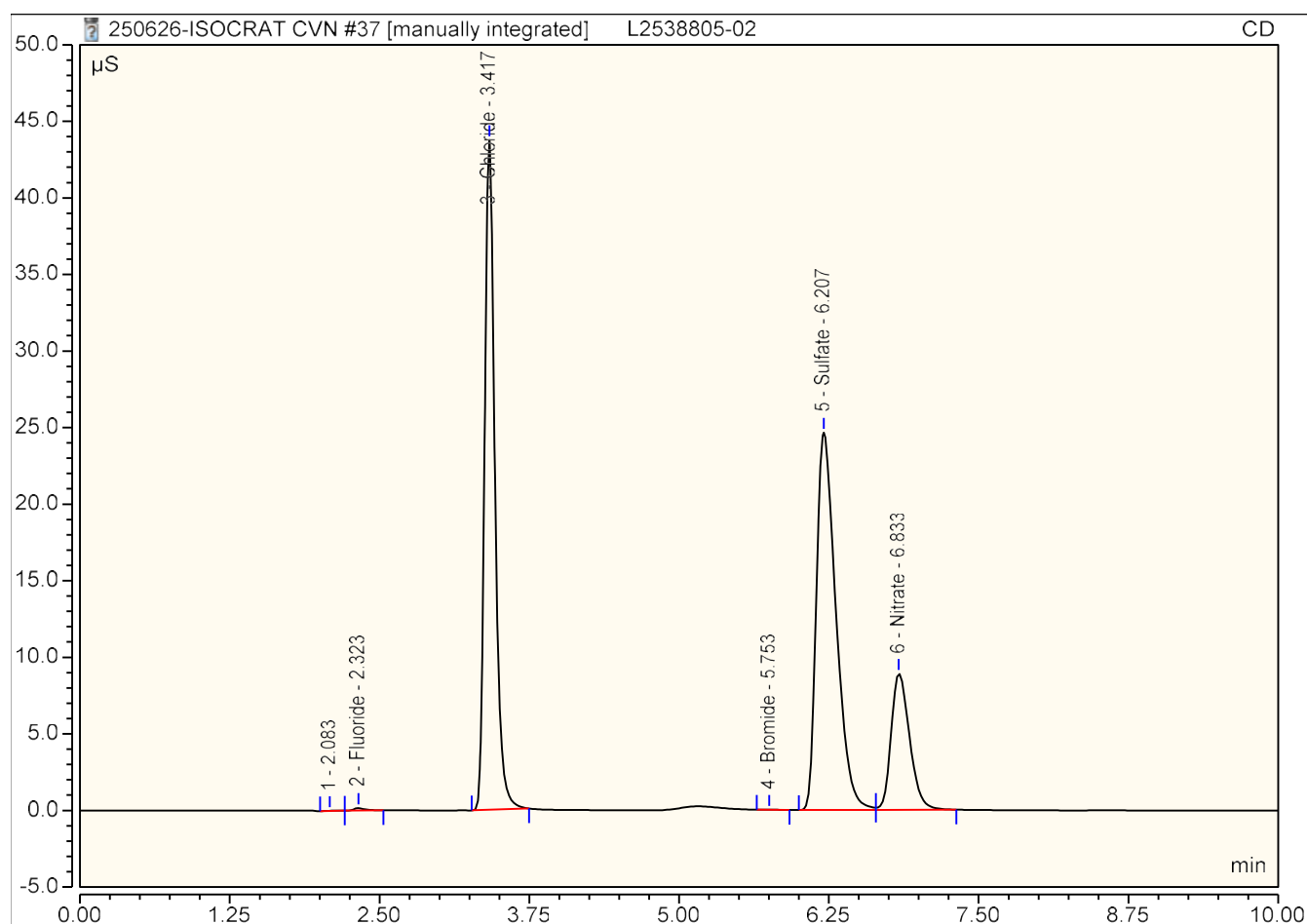
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.31	Fluoride	BMB	0.011	0.107	0.0475
3	3.40	Chloride	BMB	13.007	128.766	33.7801
4	5.77	Bromide	BMB	0.001	0.006	0.0418
5	6.25	Sulfate	BM *	3.372	18.376	11.8179
6	6.82	Nitrate	MB*	2.280	12.292	2.4224
TOTAL:				18.67	159.55	48.11



Peak Integration Report

Sample Name:	L2538805-02	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	26-Jun-2025 / 19:50	Run Time:	10.00

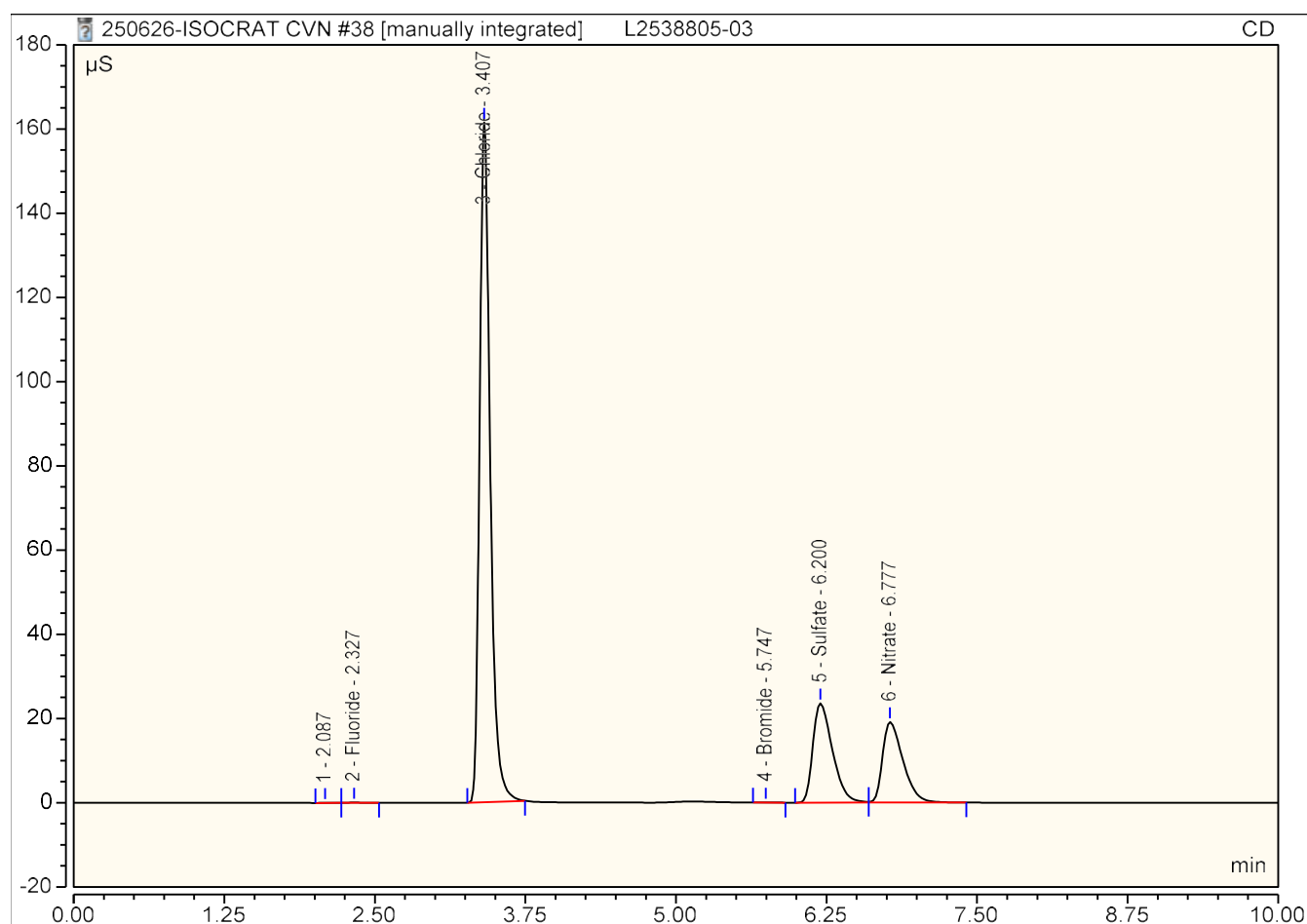
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.32	Fluoride	BMB	0.016	0.167	0.0565
3	3.42	Chloride	BMB	4.327	43.740	11.3022
4	5.75	Bromide	BMB	0.002	0.015	0.0511
5	6.21	Sulfate	BM *	4.668	24.645	16.0914
6	6.83	Nitrate	MB*	1.596	8.896	1.7031
TOTAL:				10.61	77.46	29.20



Peak Integration Report

Sample Name:	L2538805-03	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	26-Jun-2025 / 20:02	Run Time:	10.00

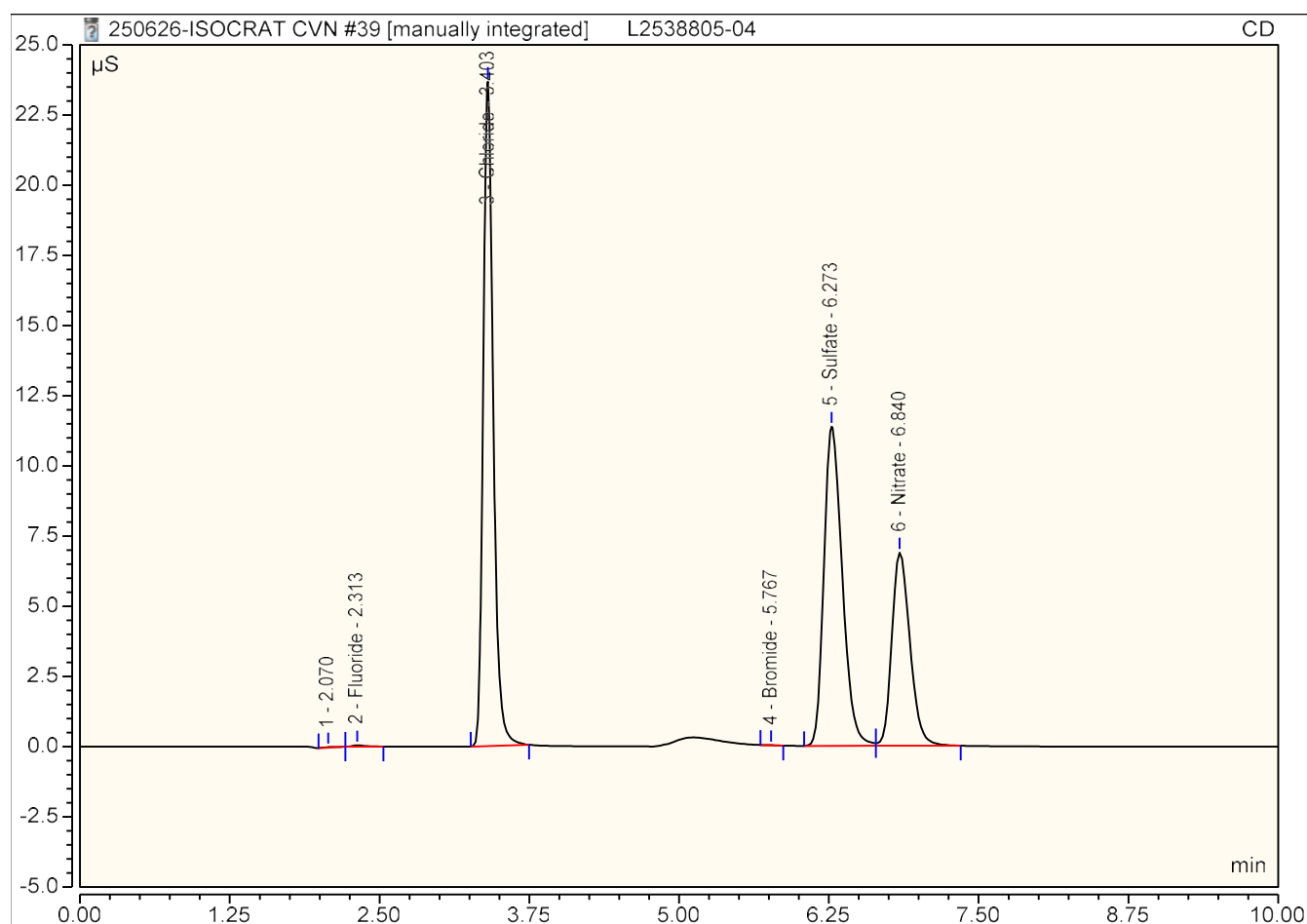
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.33	Fluoride	BMB	0.007	0.069	0.0405
3	3.41	Chloride	BMB	16.440	161.406	42.6701
4	5.75	Bromide	BMB	0.002	0.016	0.0524
5	6.20	Sulfate	BM *	4.451	23.622	15.3757
6	6.78	Nitrate	MB*	3.760	19.131	3.9763
TOTAL:				24.66	204.24	62.11



Peak Integration Report

Sample Name:	L2538805-04	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	26-Jun-2025 / 20:14	Run Time:	10.00

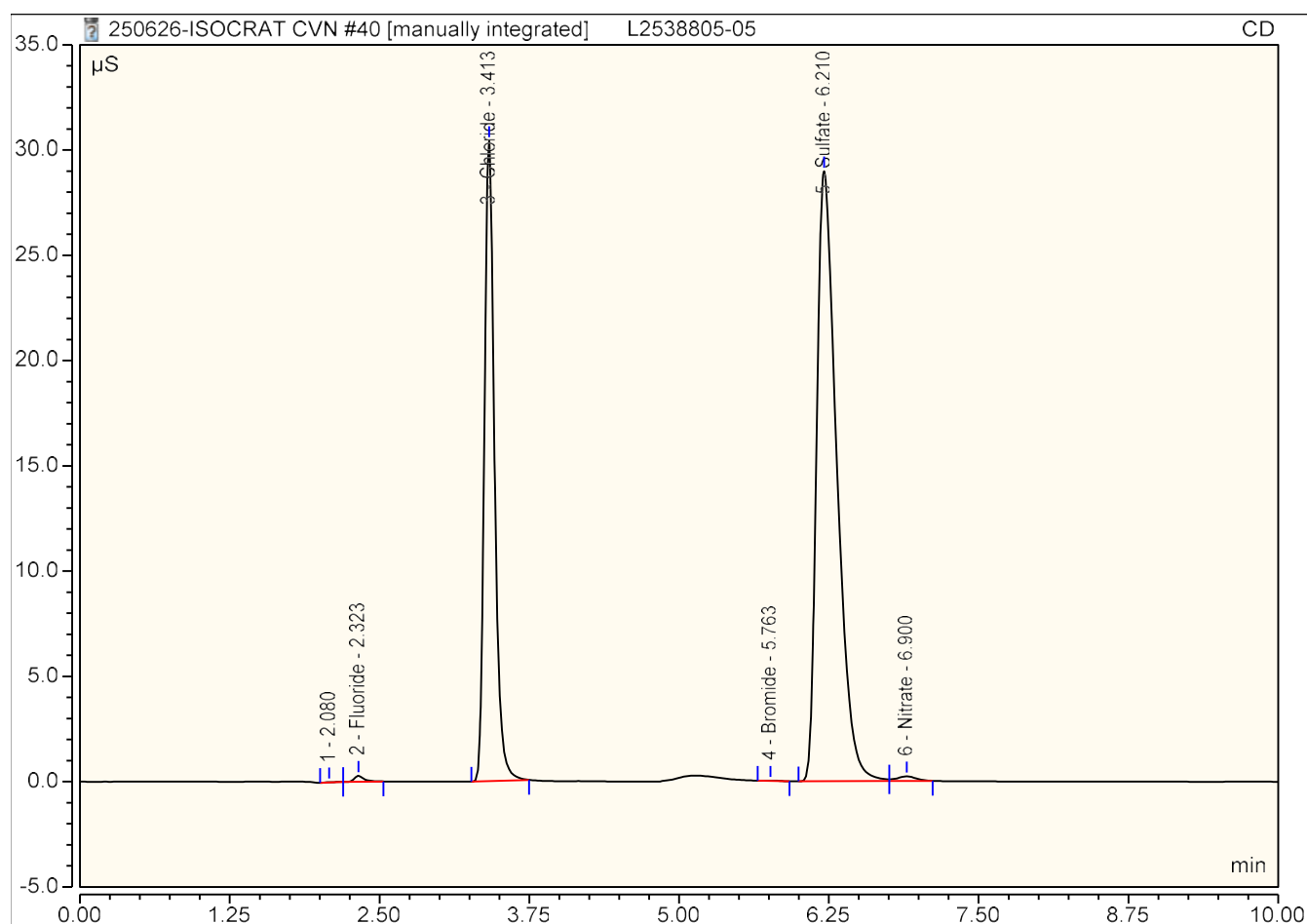
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.31	Fluoride	BMB	0.006	0.051	0.0378
3	3.40	Chloride	BMB	2.302	23.665	6.0559
4	5.77	Bromide	BMB	0.000	0.003	0.0391
5	6.27	Sulfate	BM *	2.015	11.371	7.3416
6	6.84	Nitrate	MB*	1.212	6.885	1.3005
TOTAL:				5.53	41.97	14.77



Peak Integration Report

Sample Name:	L2538805-05	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	26-Jun-2025 / 20:26	Run Time:	10.00

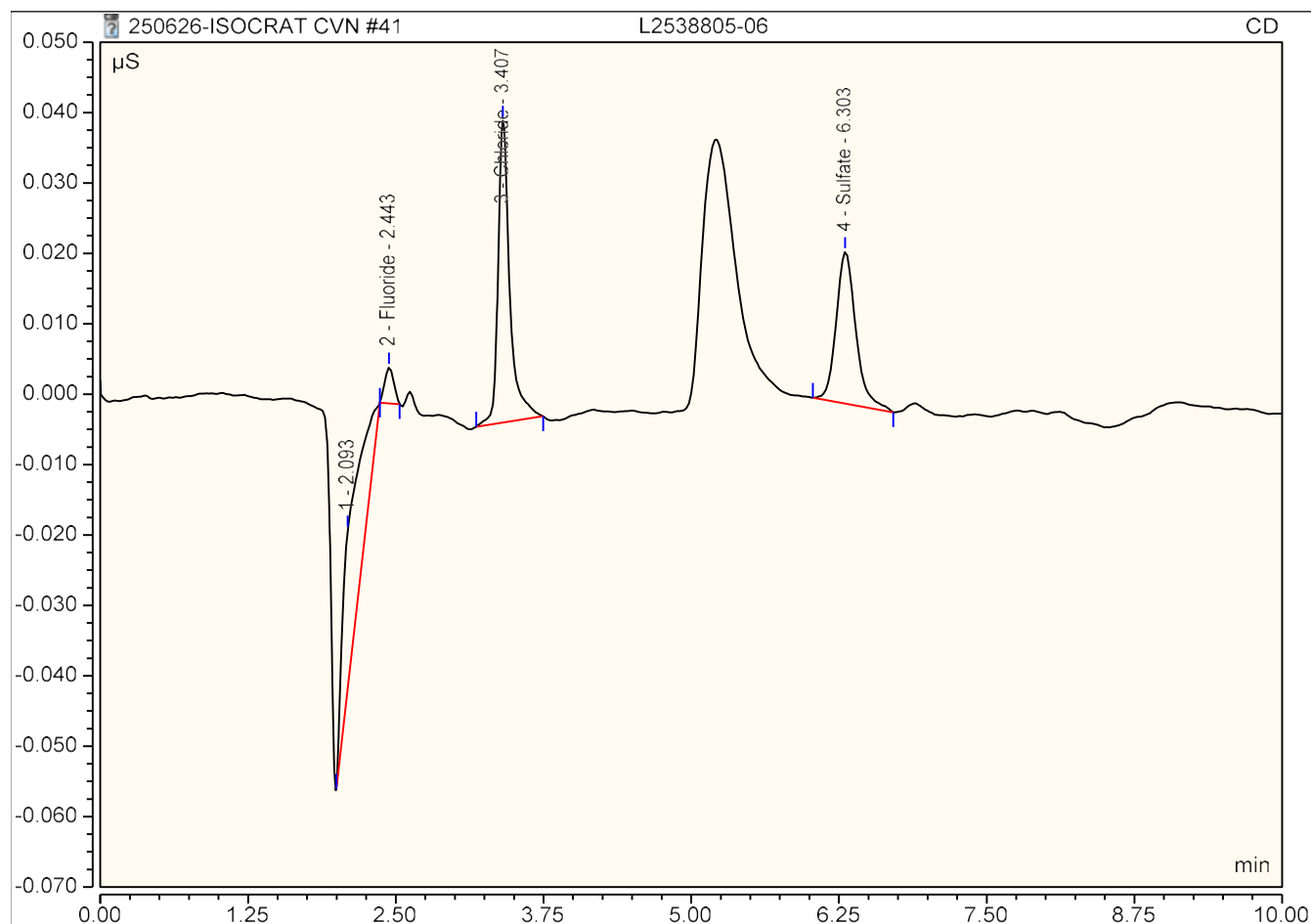
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.32	Fluoride	BMB	0.026	0.282	0.0744
3	3.41	Chloride	BMB	2.977	30.404	7.8054
4	5.76	Bromide	BMB	0.002	0.017	0.0529
5	6.21	Sulfate	BM *	5.640	28.968	19.2960
6	6.90	Nitrate	MB*	0.041	0.222	0.0696
TOTAL:				8.69	59.89	27.30



Peak Integration Report

Sample Name:	L2538805-06	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	26-Jun-2025 / 20:39	Run Time:	10.00

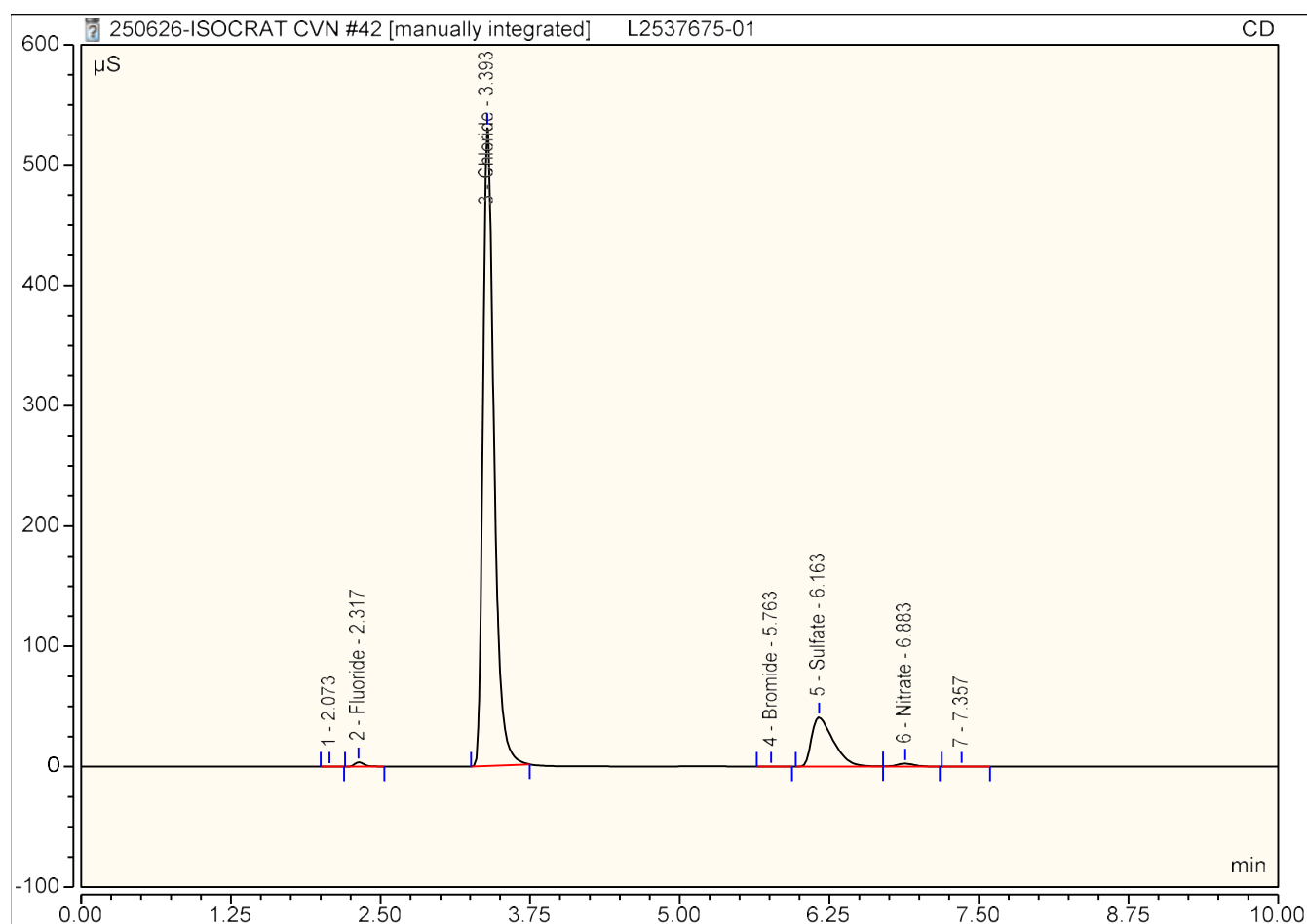
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.44	Fluoride	BMB	0.000	0.005	0.0281
3	3.41	Chloride	BMB	0.005	0.043	0.1080
4	6.30	Sulfate	BMB	0.004	0.022	0.7115
TOTAL:				0.01	0.07	0.85



Peak Integration Report

Sample Name:	L2537675-01	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	26-Jun-2025 / 20:51	Run Time:	10.00

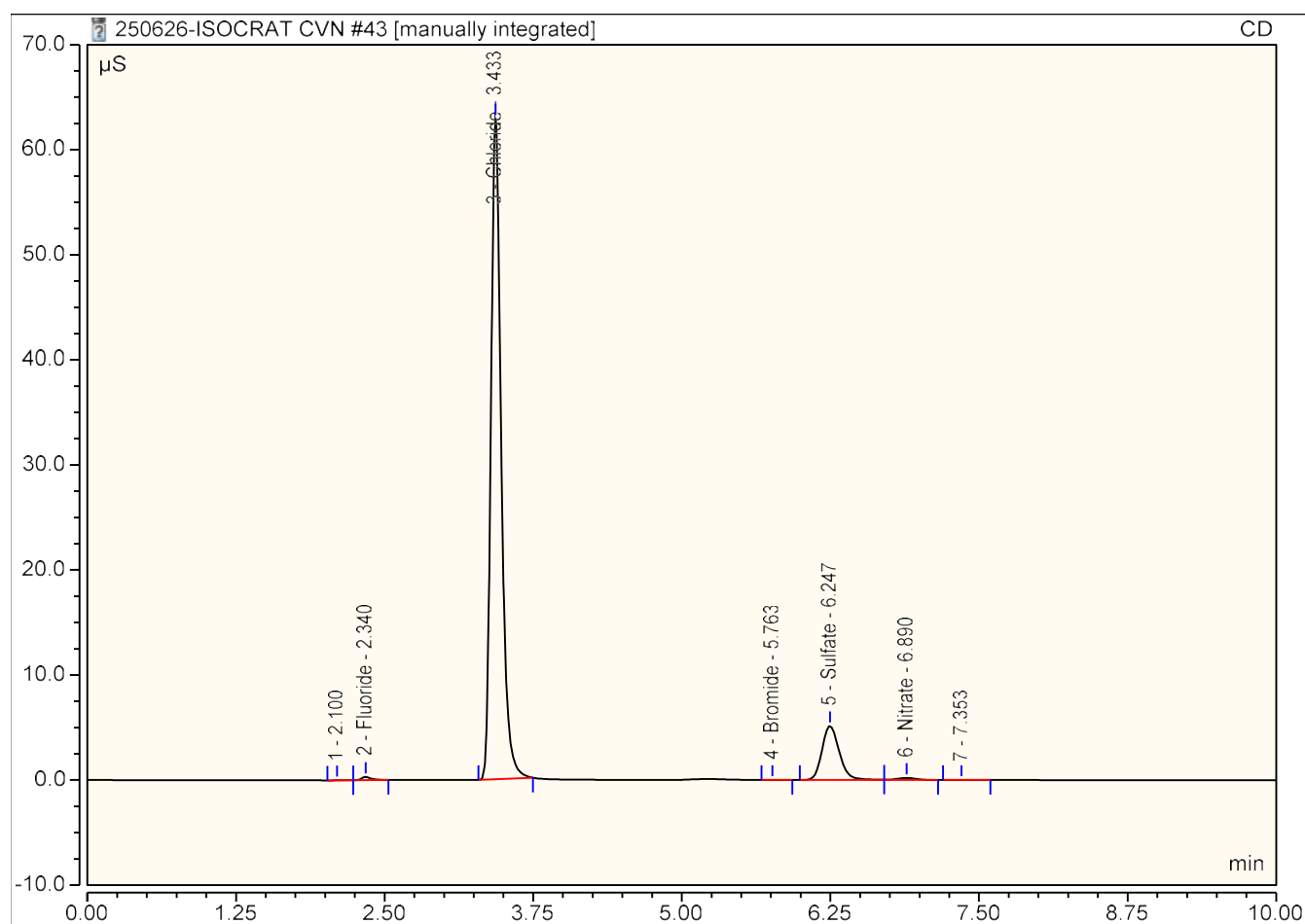
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.32	Fluoride	BMB	0.342	3.739	0.6430
3	3.39	Chloride	BMB	57.566	530.122	149.1746
4	5.76	Bromide	BMB	0.004	0.031	0.0676
5	6.16	Sulfate	BM *	8.635	40.954	29.1727
6	6.88	Nitrate	MB*	0.416	2.450	0.4636
TOTAL:				66.96	577.30	179.52



Peak Integration Report

Sample Name:	L2537675-01; 10X	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	10.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	26-Jun-2025 / 21:03	Run Time:	10.00

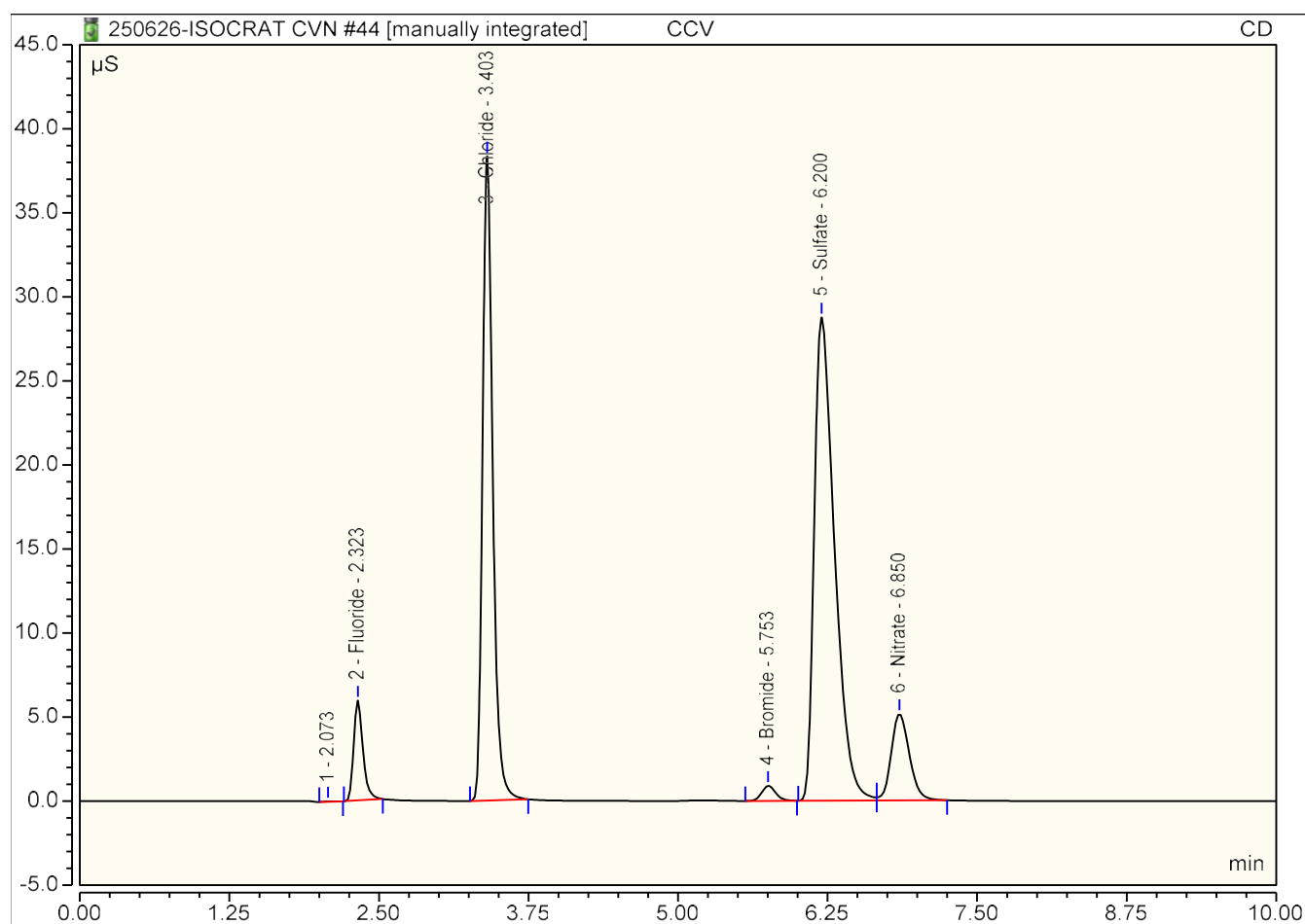
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.34	Fluoride	BMB	0.027	0.299	0.7507
3	3.43	Chloride	BMB	6.310	62.896	164.3585
4	5.76	Bromide	BMB	0.000	0.002	0.3969
5	6.25	Sulfate	BM *	0.866	5.139	35.5190
6	6.89	Nitrate	MB*	0.035	0.197	0.6377
TOTAL:				7.24	68.53	201.66



Peak Integration Report

Sample Name:	CCV	Inj. Vol.:	25.00
Injection Type:	Check Standard	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	26-Jun-2025 / 21:15	Run Time:	10.00

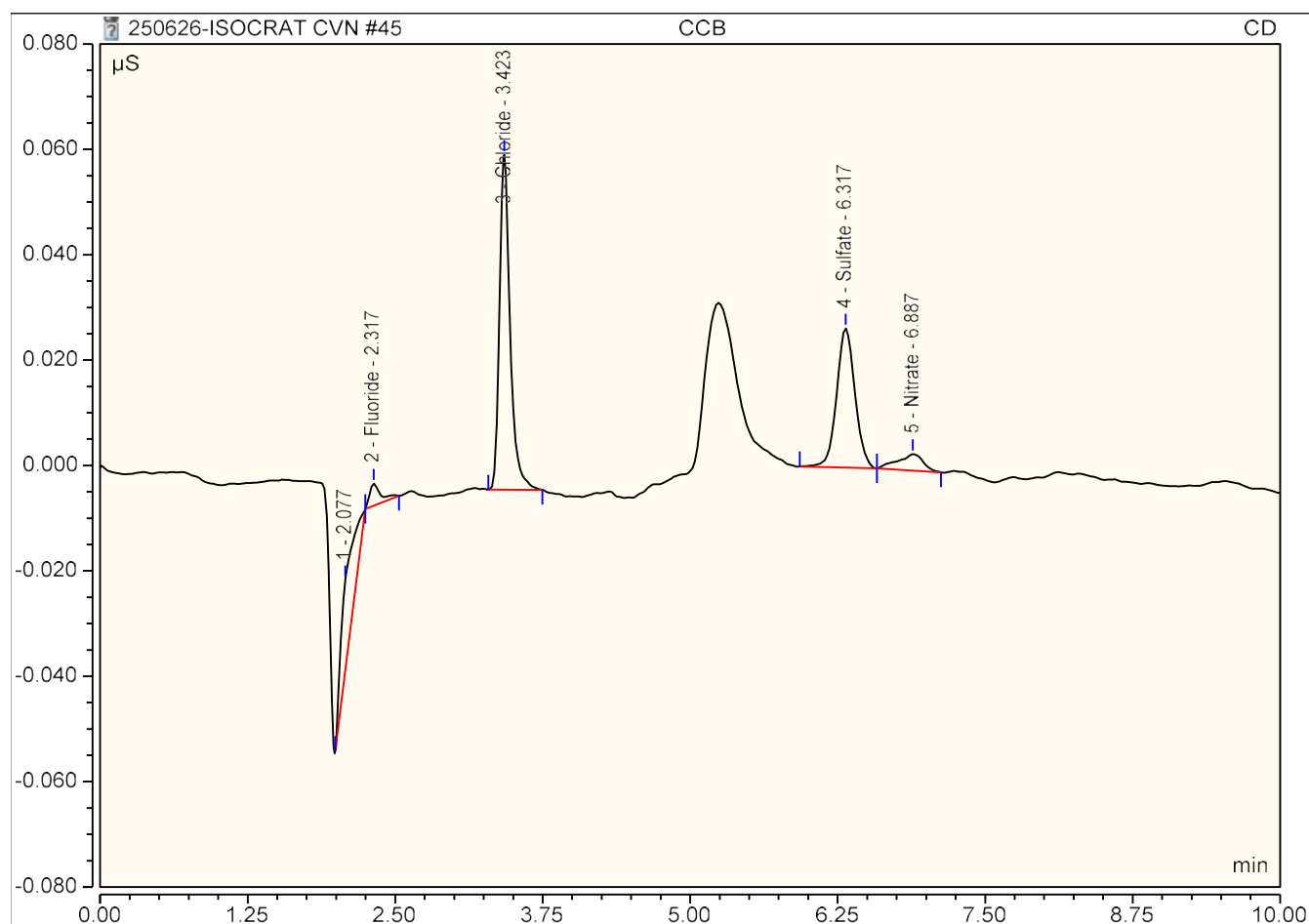
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.32	Fluoride	BMB	0.532	5.939	0.9855
3	3.40	Chloride	BMB	3.794	38.320	9.9209
4	5.75	Bromide	BMB	0.121	0.896	0.9342
5	6.20	Sulfate	BM *	5.643	28.749	19.3069
6	6.85	Nitrate	MB*	0.905	5.143	0.9779
TOTAL:				11.00	79.05	32.13



Peak Integration Report

Sample Name:	CCB	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	26-Jun-2025 / 21:27	Run Time:	10.00

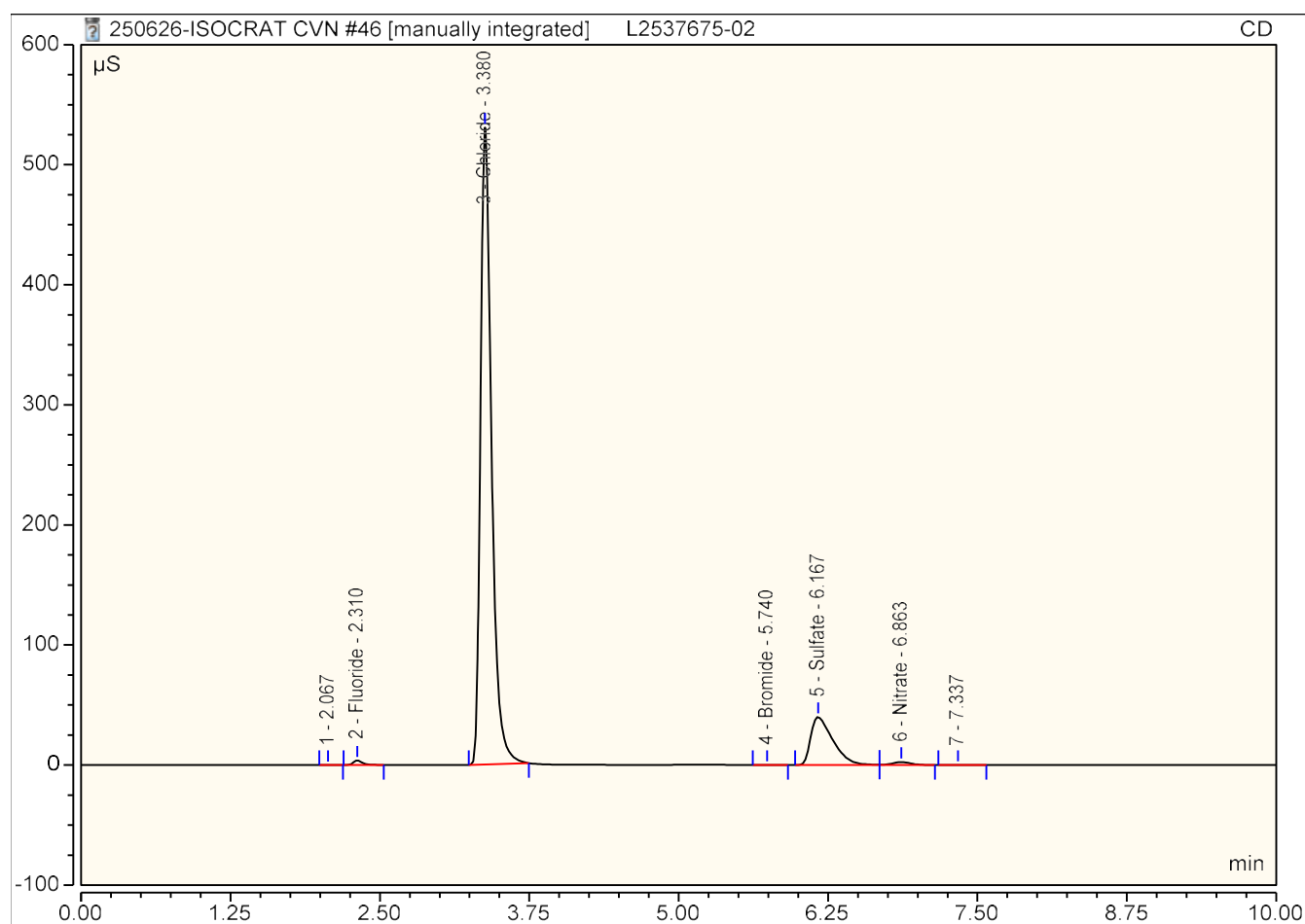
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.32	Fluoride	BMB	0.000	0.004	0.0281
3	3.42	Chloride	BMB	0.007	0.064	0.1124
4	6.32	Sulfate	BMB	0.005	0.026	0.7134
5	6.89	Nitrate	BMB	0.001	0.003	0.0277
TOTAL:				0.01	0.10	0.88



Peak Integration Report

Sample Name:	L2537675-02	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	26-Jun-2025 / 21:39	Run Time:	10.00

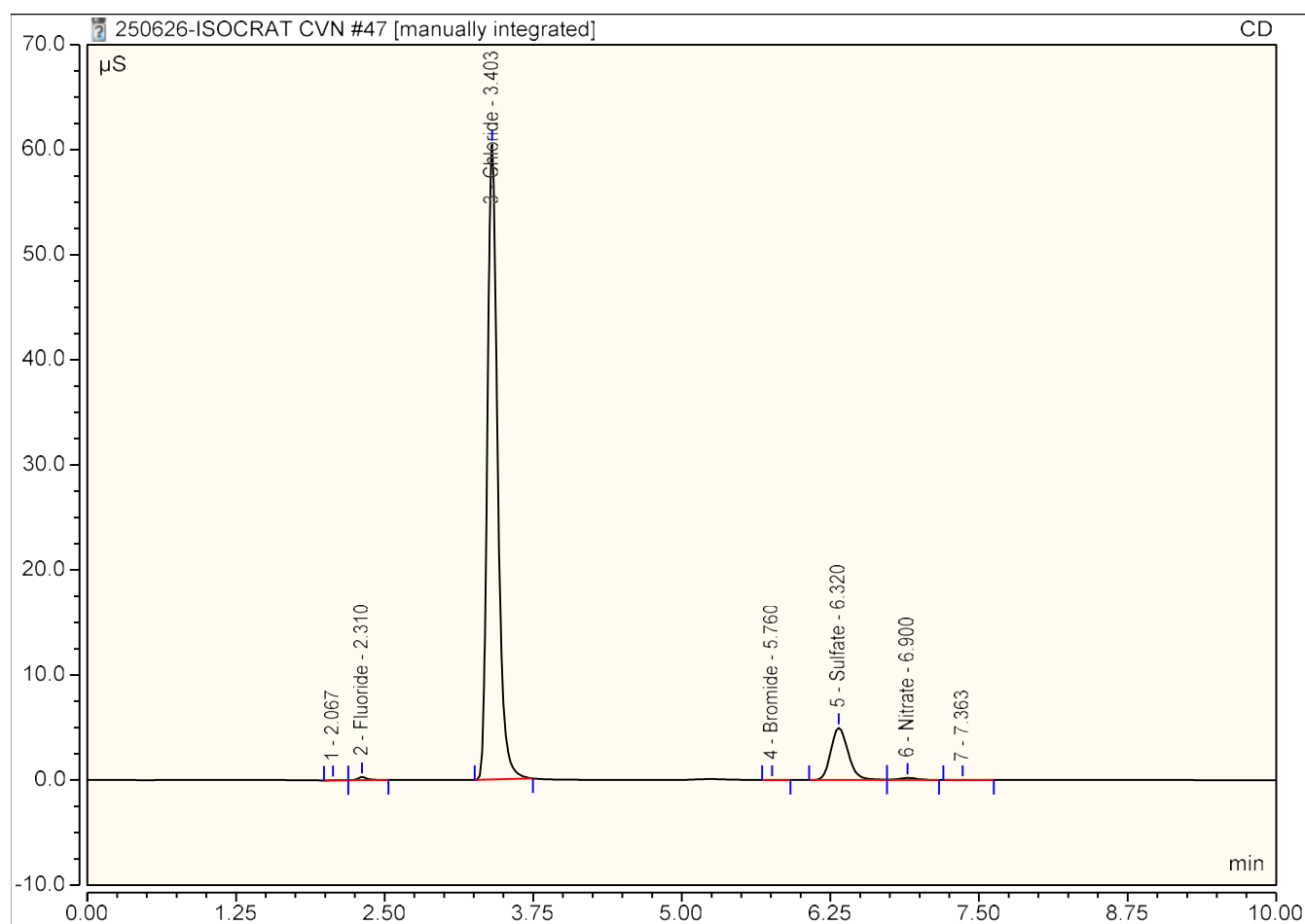
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.31	Fluoride	BMB	0.341	3.750	0.6427
3	3.38	Chloride	BMB	56.690	530.533	146.9065
4	5.74	Bromide	BMB	0.004	0.029	0.0649
5	6.17	Sulfate	BM *	8.537	39.894	28.8479
6	6.86	Nitrate	MB*	0.417	2.437	0.4648
TOTAL:				65.99	576.64	176.93



Peak Integration Report

Sample Name:	L2537675-02; 10X	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	10.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	26-Jun-2025 / 21:51	Run Time:	10.00

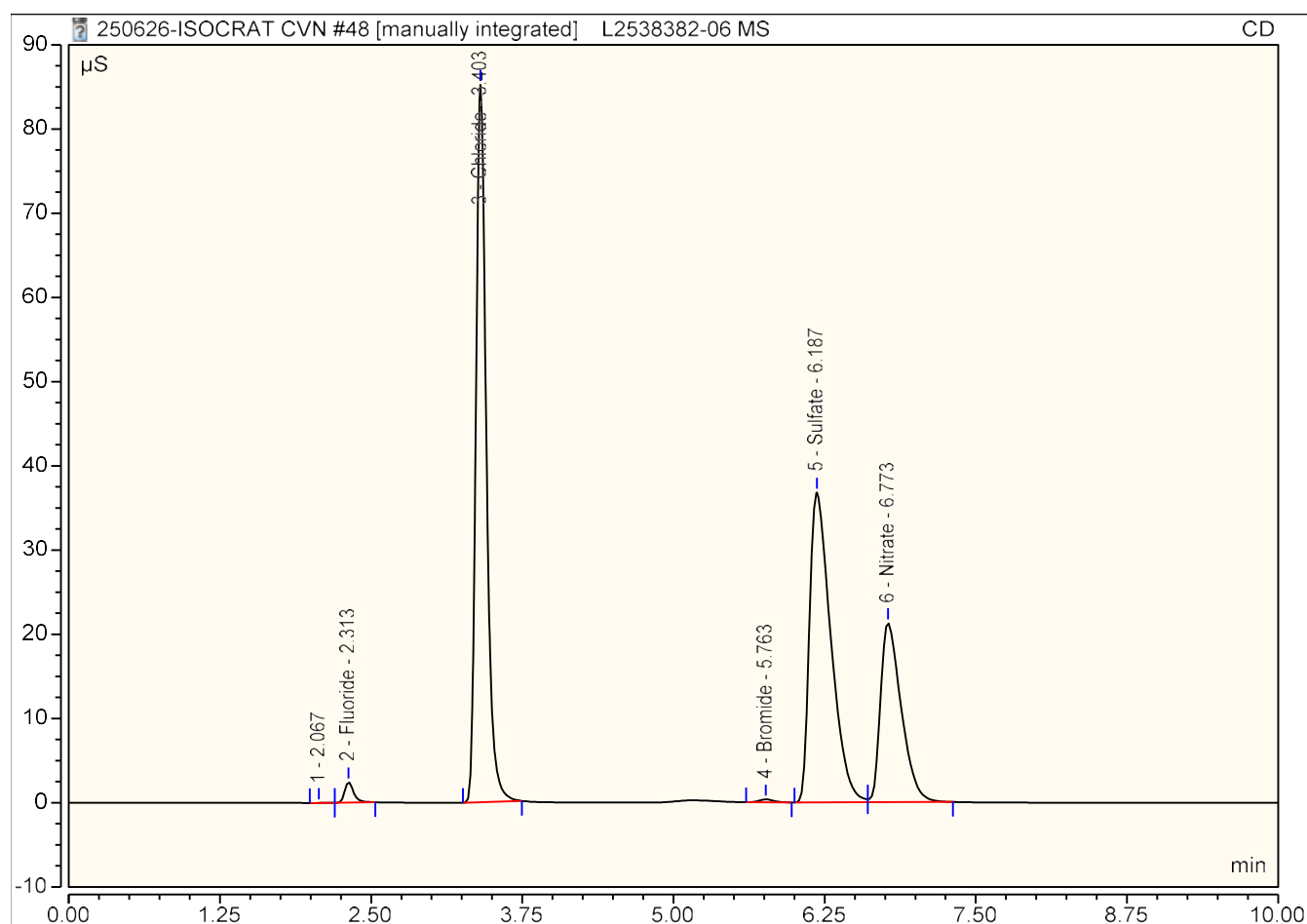
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.31	Fluoride	BMB	0.026	0.290	0.7469
3	3.40	Chloride	BMB	6.045	60.459	157.4900
4	5.76	Bromide	BMB	0.000	0.002	0.3929
5	6.32	Sulfate	BM *	0.840	4.947	34.6775
6	6.90	Nitrate	MB*	0.035	0.197	0.6414
TOTAL:				6.95	65.89	193.95



Peak Integration Report

Sample Name:	L2538382-06 MS	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	26-Jun-2025 / 22:03	Run Time:	10.00

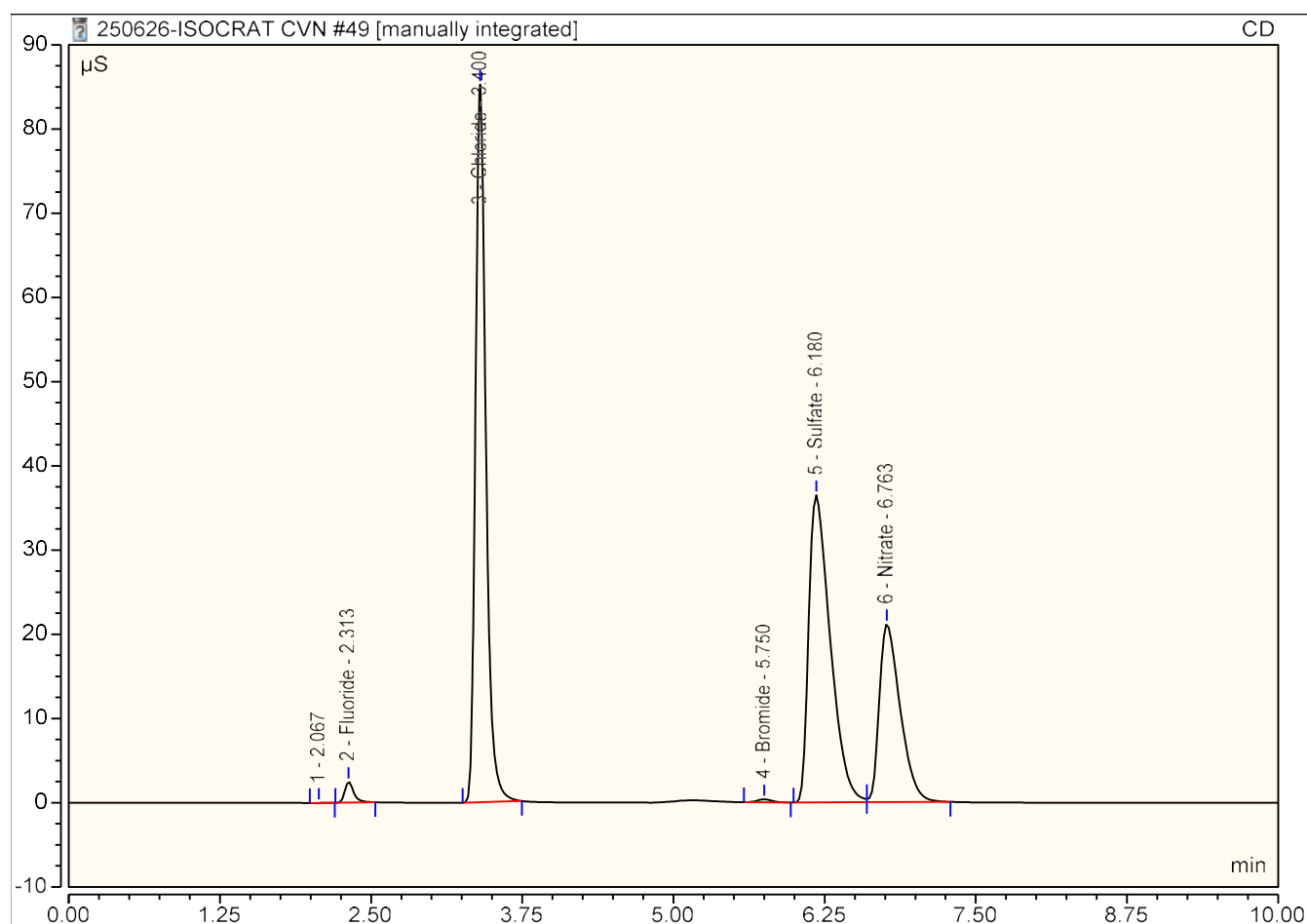
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.31	Fluoride	BMB	0.212	2.440	0.4090
3	3.40	Chloride	BMB	8.531	85.194	22.1891
4	5.76	Bromide	BMB	0.048	0.361	0.3941
5	6.19	Sulfate	BM *	7.532	36.808	25.5368
6	6.77	Nitrate	MB*	4.226	21.274	4.4658
TOTAL:				20.55	146.08	52.99



Peak Integration Report

Sample Name:	L2538382-06 MSD	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	26-Jun-2025 / 22:15	Run Time:	10.00

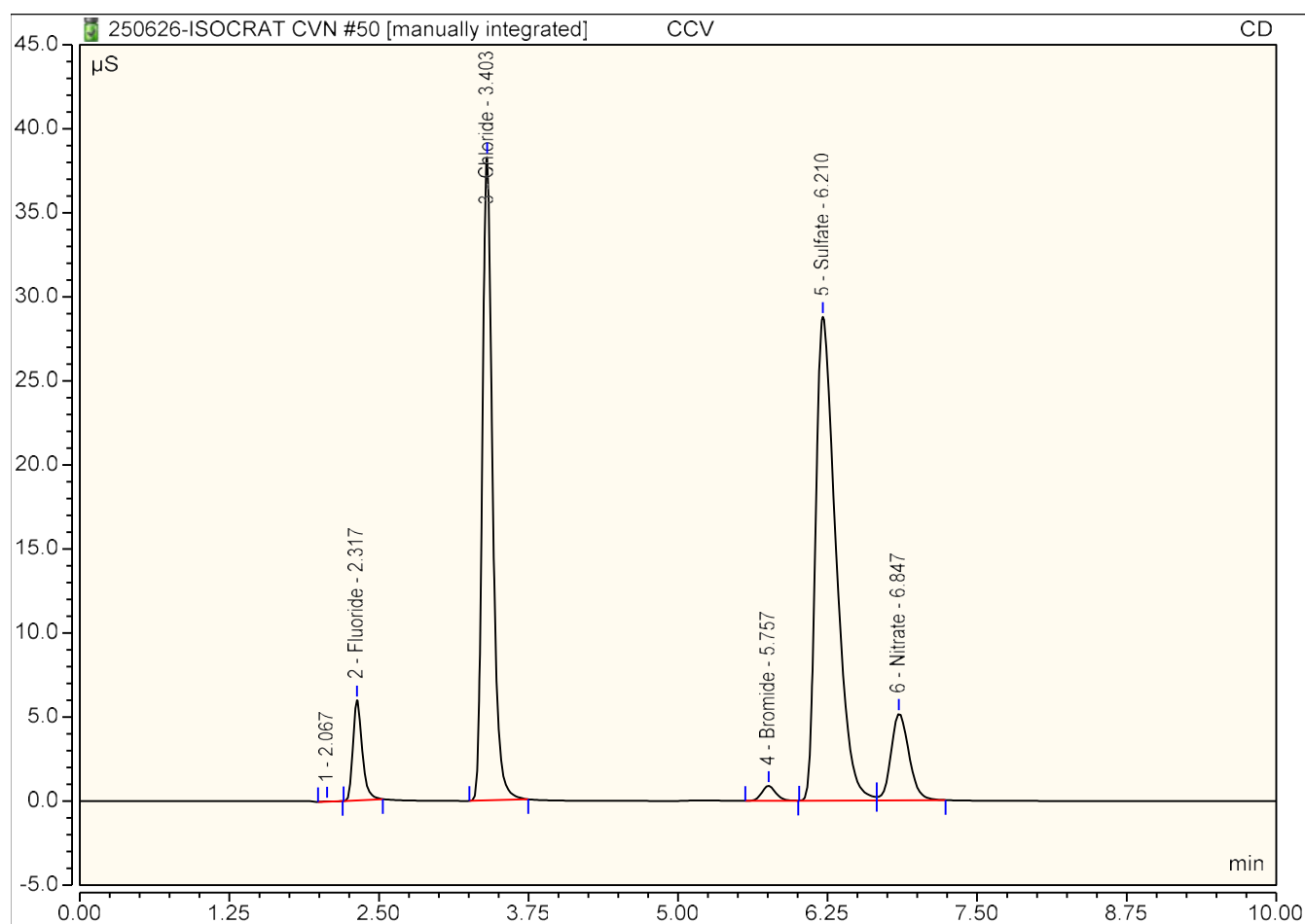
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.31	Fluoride	BMB	0.213	2.453	0.4120
3	3.40	Chloride	BMB	8.510	85.204	22.1334
4	5.75	Bromide	BMB	0.048	0.362	0.3943
5	6.18	Sulfate	BM *	7.522	36.461	25.5010
6	6.76	Nitrate	MB*	4.222	21.121	4.4616
TOTAL:				20.51	145.60	52.90



Peak Integration Report

Sample Name:	CCV	Inj. Vol.:	25.00
Injection Type:	Check Standard	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	26-Jun-2025 / 22:27	Run Time:	10.00

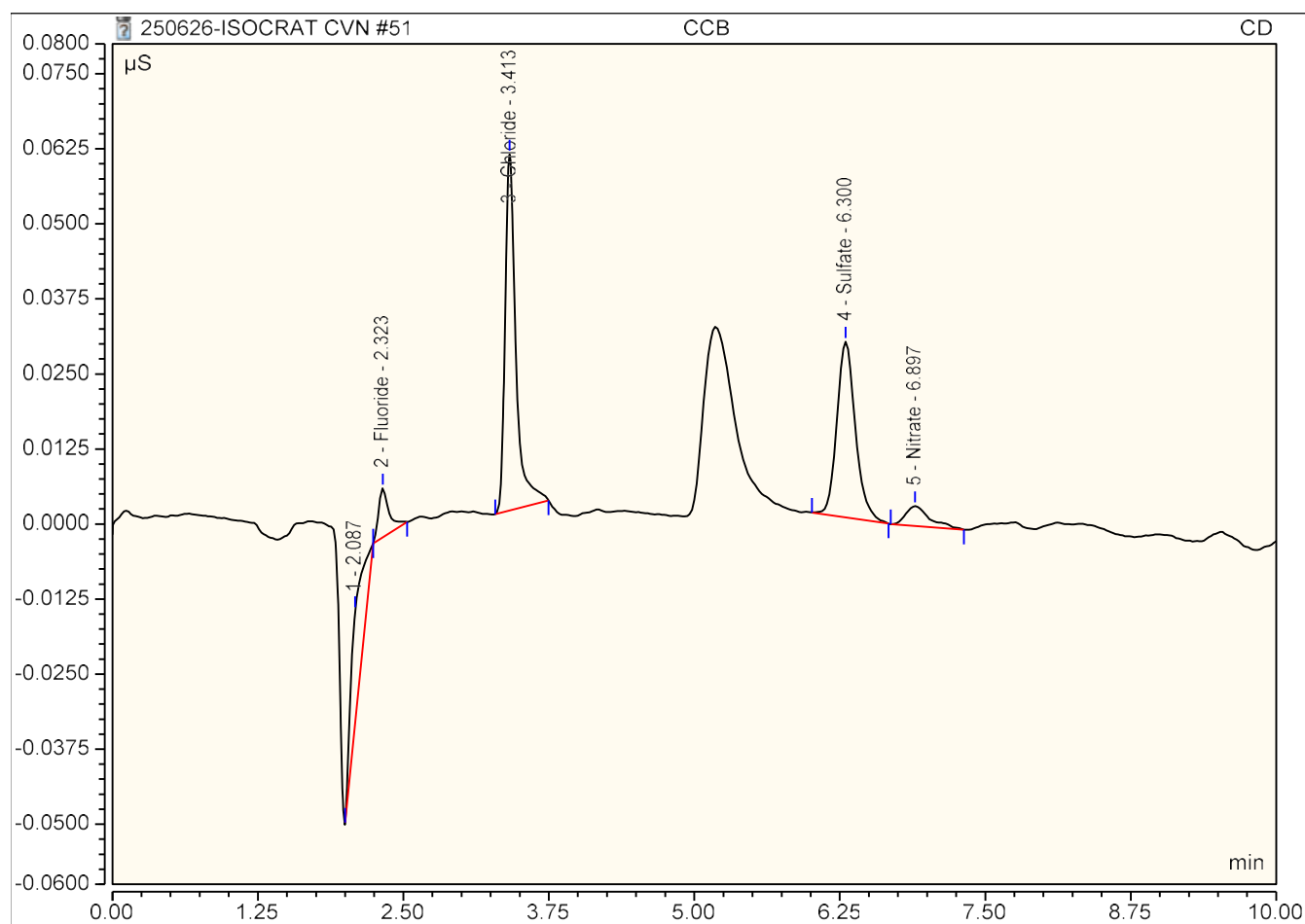
No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.32	Fluoride	BMB	0.531	5.966	0.9847
3	3.40	Chloride	BMB	3.788	38.277	9.9062
4	5.76	Bromide	BMB	0.121	0.895	0.9354
5	6.21	Sulfate	BM *	5.636	28.784	19.2846
6	6.85	Nitrate	MB*	0.899	5.147	0.9710
TOTAL:				10.98	79.07	32.08



Peak Integration Report

Sample Name:	CCB	Inj. Vol.:	25.00
Injection Type:	Unknown	Dilution Factor:	1.0000
Instrument Method:	Anions_050420_ThermoFisher	Operator:	IC 4
Inj. Date / Time:	26-Jun-2025 / 22:39	Run Time:	10.00

No.	Time min	Peak Name	Peak Type	Area $\mu\text{S}\cdot\text{min}$	Height μS	Amount
2	2.32	Fluoride	BMB	0.001	0.008	0.0288
3	3.41	Chloride	BMB	0.006	0.059	0.1118
4	6.30	Sulfate	BMB	0.005	0.029	0.7157
5	6.90	Nitrate	BMB	0.001	0.003	0.0277
TOTAL:				0.01	0.10	0.88



Anion Summary Report

No.	Name	Dilution	Amount CD Fluoride	Amount CD Chloride	Amount CD Nitrate	Amount CD Sulfate	Amount CD Bromide
1	BLANK	1.0	0.0440	0.1000	n.a.	n.a.	n.a.
2	STD 0.5	1.0	0.0418	0.2829	0.0429	1.0180	0.0511
3	STD 1.0	1.0	0.0555	0.5048	0.0622	1.4554	0.0744
4	STD 2.0	1.0	0.1773	1.9278	0.1949	4.1152	0.1845
5	STD 3.0	1.0	0.4593	4.8782	0.4665	9.9062	0.4524
6	STD 4.0	1.0	2.0605	20.2356	2.0083	38.3461	2.0125
7	STD 5.0	1.0	4.9806	49.9206	5.0460	100.6592	4.8837
8	RINSE	1.0	0.0393	0.1272	0.0293	0.7192	n.a.
9	CCV	1.0	0.9765	9.8990	0.9984	19.4599	0.9661
10	CCB	1.0	0.0291	0.1064	0.0271	0.7153	n.a.
11	ICV	1.0	0.7436	8.1895	0.7817	8.0481	0.7676
12	ICB	1.0	0.0306	0.1082	0.0272	0.7182	n.a.
13	BLK	1.0	0.0288	0.1130	0.0272	0.7223	n.a.
14	LCS	1.0	0.7311	8.1053	0.7718	7.9863	0.7525
15	L2539898-01	1.0	0.5957	78.3992	0.5526	9.5501	0.0385
16	L2539898-01; 10X	10.0	0.7314	83.1789	0.6667	14.4691	n.a.
17	L2539898-02 MS	1.0	0.3678	4.1598	0.3959	8.3634	0.3826
18	L2539898-02 DUP	1.0	n.a.	0.0972	n.a.	0.7050	n.a.
19	L2539898-02	1.0	n.a.	0.0976	n.a.	0.7045	n.a.
20	L2539898-03	1.0	0.0331	0.1047	n.a.	0.7128	n.a.
21	CCV	1.0	0.9400	9.8987	0.9761	19.1896	0.9419
22	CCB	1.0	0.0297	0.1106	0.0273	0.7176	n.a.
23	L2539898-04 MS	1.0	0.3623	4.0576	0.3874	8.1304	0.3759
24	L2539898-04 DUP	1.0	0.0295	0.1028	0.0284	0.7111	n.a.
25	L2539898-04	1.0	0.0289	0.1044	0.0289	0.7108	n.a.
26	L2539970-05 CL SO4 NO3; 50X	50.0	1.7141	1119.2585	6.0625	850.8268	6.6116
27	L2538382-01 BR	1.0	0.0401	13.2672	2.0452	21.4562	0.0765
28	L2538382-02	1.0	0.0419	29.2075	4.3337	16.0248	0.0541
29	L2538382-03	1.0	0.0478	29.2338	6.8446	17.6987	0.0681
30	L2538382-04	1.0	0.0490	3.5229	1.2971	12.2175	0.0401
31	L2538382-05	1.0	0.0408	47.1225	3.6105	11.1357	n.a.
32	L2538382-06	1.0	0.0482	18.8653	4.2214	18.5194	0.0697
33	CCV	1.0	0.9834	9.9233	0.9777	19.3131	0.9324
34	CCB	1.0	0.0288	0.1109	0.0326	0.7187	n.a.
35	L2538382-07	1.0	0.0408	44.0183	3.8032	10.9051	0.0467
36	L2538805-01 BR	1.0	0.0475	33.7801	2.4224	11.8179	0.0418
37	L2538805-02	1.0	0.0565	11.3022	1.7031	16.0914	0.0511
38	L2538805-03	1.0	0.0405	42.6701	3.9763	15.3757	0.0524
39	L2538805-04	1.0	0.0378	6.0559	1.3005	7.3416	0.0391
40	L2538805-05	1.0	0.0744	7.8054	0.0696	19.2960	0.0529
41	L2538805-06	1.0	0.0281	0.1080	n.a.	0.7115	n.a.

42	L2537675-01	1.0	0.6430	149.1746	0.4636	29.1727	0.0676
43	L2537675-01; 10X	10.0	0.7507	164.3585	0.6377	35.5190	0.3969
44	CCV	1.0	0.9855	9.9209	0.9779	19.3069	0.9342
45	CCB	1.0	0.0281	0.1124	0.0277	0.7134	n.a.
46	L2537675-02	1.0	0.6427	146.9065	0.4648	28.8479	0.0649
47	L2537675-02; 10X	10.0	0.7469	157.4900	0.6414	34.6775	0.3929
48	L2538382-06 MS	1.0	0.4090	22.1891	4.4658	25.5368	0.3941
49	L2538382-06 MSD	1.0	0.4120	22.1334	4.4616	25.5010	0.3943
50	CCV	1.0	0.9847	9.9062	0.9710	19.2846	0.9354
51	CCB	1.0	0.0288	0.1118	0.0277	0.7157	n.a.
	Sum:	127.000	22.4673		69.3866	1526.5590	23.6006
	Average:	2.490	0.4585		1.5084	30.5312	0.6941
	Rel.Std.Dev:	285.697 %	1.7598		1.2229	3.9140	1.9751

Inject Time	Comment
21/May/2025 19:51	AU
21/May/2025 20:04	LOT#250516-0.5
21/May/2025 20:16	LOT#250516-1.0
21/May/2025 20:28	LOT#250516-2.0
21/May/2025 20:40	LOT#250516-3.0
21/May/2025 20:52	LOT#250516-4.0
21/May/2025 21:04	LOT#250516-5.0
26/Jun/2025 14:00	WG2083986-7
26/Jun/2025 14:12	LOT#250625-C
26/Jun/2025 14:24	CVN
26/Jun/2025 14:36	LOT#250625-I
26/Jun/2025 14:48	CVN
26/Jun/2025 15:00	CVN
26/Jun/2025 15:12	LOT#250625-I
26/Jun/2025 15:24	CVN
26/Jun/2025 15:37	CVN
26/Jun/2025 15:49	CVN
26/Jun/2025 16:01	CVN
26/Jun/2025 16:13	CVN
26/Jun/2025 16:25	CVN
26/Jun/2025 16:37	LOT#250625-C
26/Jun/2025 16:49	CVN
26/Jun/2025 17:01	CVN
26/Jun/2025 17:13	CVN
26/Jun/2025 17:25	CVN
26/Jun/2025 17:37	CVN
26/Jun/2025 17:49	CVN
26/Jun/2025 18:02	CVN
26/Jun/2025 18:14	CVN
26/Jun/2025 18:26	CVN
26/Jun/2025 18:38	CVN
26/Jun/2025 18:50	CVN
26/Jun/2025 19:02	LOT#250625-C
26/Jun/2025 19:14	CVN
26/Jun/2025 19:26	CVN
26/Jun/2025 19:38	CVN
26/Jun/2025 19:50	CVN
26/Jun/2025 20:02	CVN
26/Jun/2025 20:14	CVN
26/Jun/2025 20:26	CVN
26/Jun/2025 20:39	CVN

26/Jun/2025 20:51	CVN
26/Jun/2025 21:03	CVN
26/Jun/2025 21:15	LOT#250625-C
26/Jun/2025 21:27	CVN
26/Jun/2025 21:39	CVN
26/Jun/2025 21:51	CVN
26/Jun/2025 22:03	CVN
26/Jun/2025 22:15	CVN
26/Jun/2025 22:27	LOT#250625-C
26/Jun/2025 22:39	CVN
	0.000
	#DIV/0!
	#DIV/0!

Quality Control

Form 5a Matrix Spike

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Client Sample ID	: NA	Matrix	: WATER
Lab Sample ID	: L2539898-02	MS Analysis Date	: 06/26/25 15:49
Matrix Spike	: WG2083986-3	MSD Analysis Date	:
Matrix Spike Dup	:		

Parameter	Sample Conc. (mg/l)	Matrix Spike Sample		%R	Matrix Spike Duplicate		%R	RPD	Recovery Limits	RPD Limit
		Spike Added (mg/l)	Spike Conc. (mg/l)		Spike Added (mg/l)	Spike Conc. (mg/l)				
Bromide	ND	0.4	0.383	96					90-110	20



Form 6 Lab Duplicates

Client	: Roux Env. Eng. & Geology, DPC	Lab Number	: L2538805
Project Name	: CORAM GROUNDWATER EVENT	Project Number	: 2232.0006Y005
Client Sample ID	: NA	Matrix	: WATER
Lab Sample ID	: NA	Analysis Date	: 06/26/25 16:13
Dup Sample ID	: WG2083986-4	DUP Analysis Date	: 06/26/25 16:01

Parameter	Sample Concentration (mg/l)	Duplicate Concentration (mg/l)	RPD	RPD Limit
Bromide	ND	ND	NC	20



Form 7

Laboratory Control Sample

Client : Roux Env. Eng. & Geology, DPC
 Project Name : CORAM GROUNDWATER EVENT
 Client Sample ID : NA
 Lab Sample ID : WG2083986-2
 Dup Sample ID :
 Lab Number : L2538805
 Project Number : 2232.0006Y005
 Matrix : WATER
 LCS Analysis Date : 06/26/25 15:12
 LCSD Analysis Date :

Parameter	Laboratory Control Sample			Laboratory Control Duplicate			RPD	Recovery Limits	RPD Limit
	True (mg/l)	Found (mg/l)	%R	True (mg/l)	Found (mg/l)	%R			
Bromide	0.800	0.752	94.					90-110	20

Date Created: 11/11/21
Created By: Jason Hebert
File: PM11467-1
Page: 1

WETCHEM (WATER)

[illegible]

Please Note that the RL Information provided in this table is calculated using a 100% Solids factor. (Soil/Solids only)
Please Note that the Information provided in this table is subject to change at anytime at the discretion of the laboratory.

Calculations of Anions by Ion Chromatography

Aqueous samples:

The Dionex calculates the area of the peaks produced by the instrument, compares them to the peak area of the calibration standard stored in its memory, and calculates result in mg/L.

If the sample was manually diluted prior to analysis, the calculated mean must be manually multiplied by the dilution factor. The Reported Detection Limit is also multiplied by the same dilution factor.

$$\text{Result, mg/L} = \frac{\text{area} - \text{y-intercept}}{\text{slope}} \times \text{Dilution Factor}$$

Subcontracted Data



June 25, 2025

Jennifer Byrnes

,

RE: Project: L2538805
Pace Project No.: 70362495

Dear Jennifer Byrnes:

Enclosed are the analytical results for sample(s) received by the laboratory on June 21, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Melville

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Brianna D. Rivera
brianna.rivera@pacelabs.com
516-370-6007
Project Manager

Enclosures

cc: Reports, Pace - West Borough



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: L2538805

Pace Project No.: 70362495

Pace Analytical Services, LLC - Melville, NY

575 Broad Hollow Rd, Melville, NY 11747

Connecticut Certification #: PH-0435

Delaware Certification # NY 10478

Maryland Certification #: 208

Massachusetts Certification #: M-NY026

New Hampshire Certification #: 2987

New Jersey Certification #: NY158

New York Certification #: 10478 Primary Accrediting Body

Pennsylvania Certification #: 68-00350

Rhode Island Certification #: LAO00340

Texas Certification #: T104704582

Florida Certification #: E871198

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SAMPLE SUMMARY

Project: L2538805

Pace Project No.: 70362495

Lab ID	Sample ID	Matrix	Date Collected	Date Received
70362495001	MW-4S	Water	06/19/25 11:10	06/21/25 08:30
70362495002	MW-4D2	Water	06/19/25 11:05	06/21/25 08:30
70362495003	SCDOH-DR	Water	06/19/25 10:00	06/21/25 08:30
70362495004	MW-10S	Water	06/19/25 08:38	06/21/25 08:30
70362495005	MW-10D	Water	06/19/25 08:50	06/21/25 08:30
70362495006	EQUIPMENT BLANK	Water	06/19/25 12:00	06/21/25 08:30

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SAMPLE ANALYTE COUNT

Project: L2538805

Pace Project No.: 70362495

Lab ID	Sample ID	Method	Analysts	Analytes Reported
70362495001	MW-4S	SM 4500-S2 F-2011	GEL	1
70362495002	MW-4D2	SM 4500-S2 F-2011	GEL	1
70362495003	SCDOH-DR	SM 4500-S2 F-2011	GEL	1
70362495004	MW-10S	SM 4500-S2 F-2011	GEL	1
70362495005	MW-10D	SM 4500-S2 F-2011	GEL	1
70362495006	EQUIPMENT BLANK	SM 4500-S2 F-2011	GEL	1

PACE-MV = Pace Analytical Services - Melville

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PROJECT NARRATIVE

Project: L2538805
Pace Project No.: 70362495

Method: SM 4500-S2 F-2011
Description: 4500S2F W Sulfide Iodometric
Client: Pace Westborough
Date: June 25, 2025

General Information:

6 samples were analyzed for SM 4500-S2 F-2011 by Pace Analytical Services Melville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 406223

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 70362344006

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 2150351)
 - Sulfide
- MSD (Lab ID: 2150352)
 - Sulfide

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: L2538805

Pace Project No.: 70362495

Sample: MW-4S Lab ID: 70362495001 Collected: 06/19/25 11:10 Received: 06/21/25 08:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM 4500-S2 F-2011 Pace Analytical Services - Melville								
Sulfide	<0.20	mg/L	2.0	0.20	1		06/25/25 15:39		

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ANALYTICAL RESULTS

Project: L2538805

Pace Project No.: 70362495

Sample: MW-4D2 Lab ID: 70362495002 Collected: 06/19/25 11:05 Received: 06/21/25 08:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM 4500-S2 F-2011 Pace Analytical Services - Melville								
Sulfide	<0.20	mg/L	2.0	0.20	1		06/25/25 15:42		

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ANALYTICAL RESULTS

Project: L2538805

Pace Project No.: 70362495

Sample: SCDOH-DR Lab ID: 70362495003 Collected: 06/19/25 10:00 Received: 06/21/25 08:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM 4500-S2 F-2011 Pace Analytical Services - Melville								
Sulfide	<0.20	mg/L	2.0	0.20	1		06/25/25 15:45		

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ANALYTICAL RESULTS

Project: L2538805

Pace Project No.: 70362495

Sample: MW-10S Lab ID: 70362495004 Collected: 06/19/25 08:38 Received: 06/21/25 08:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM 4500-S2 F-2011 Pace Analytical Services - Melville								
Sulfide	<0.20	mg/L	2.0	0.20	1		06/25/25 15:47		

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ANALYTICAL RESULTS

Project: L2538805

Pace Project No.: 70362495

Sample: MW-10D Lab ID: 70362495005 Collected: 06/19/25 08:50 Received: 06/21/25 08:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM 4500-S2 F-2011 Pace Analytical Services - Melville								
Sulfide	<0.20	mg/L	2.0	0.20	1		06/25/25 15:50		

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ANALYTICAL RESULTS

Project: L2538805

Pace Project No.: 70362495

Sample: EQUIPMENT BLANK Lab ID: 70362495006 Collected: 06/19/25 12:00 Received: 06/21/25 08:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM 4500-S2 F-2011 Pace Analytical Services - Melville								
Sulfide	<0.20	mg/L	2.0	0.20	1		06/25/25 15:53		

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QUALITY CONTROL DATA

Project: L2538805

Pace Project No.: 70362495

QC Batch:	406223	Analysis Method:	SM 4500-S2 F-2011
QC Batch Method:	SM 4500-S2 F-2011	Analysis Description:	4500S2F W Sulfide Iodometric
		Laboratory:	Pace Analytical Services - Melville

Associated Lab Samples: 70362495001, 70362495002, 70362495003, 70362495004, 70362495005, 70362495006

METHOD BLANK:	2150349	Matrix:	Water
---------------	---------	---------	-------

Associated Lab Samples: 70362495001, 70362495002, 70362495003, 70362495004, 70362495005, 70362495006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide	mg/L	<0.20	2.0	0.20	06/25/25 15:56	

LABORATORY CONTROL SAMPLE: 2150350

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	14	14.0	100	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2150351 2150352

Parameter	Units	70362344006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	<2.0	11.2	11.2	0.80J	0.80J	-1	-1	70-130		20	M1

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: L2538805
Pace Project No.: 70362495

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.
ND - Not Detected at or above adjusted reporting limit.
TNTC - Too Numerous To Count
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
MDL - Adjusted Method Detection Limit.
PQL - Practical Quantitation Limit.
RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.
S - Surrogate
1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.
LCS(D) - Laboratory Control Sample (Duplicate)
MS(D) - Matrix Spike (Duplicate)
DUP - Sample Duplicate
RPD - Relative Percent Difference
NC - Not Calculable.
SG - Silica Gel - Clean-Up
U - Indicates the compound was analyzed for, but not detected.
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.
Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.
TNI - The NELAC Institute.

ANALYTE QUALIFIERS

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: L2538805

Pace Project No.: 70362495

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70362495001	MW-4S	SM 4500-S2 F-2011	406223		
70362495002	MW-4D2	SM 4500-S2 F-2011	406223		
70362495003	SCDOH-DR	SM 4500-S2 F-2011	406223		
70362495004	MW-10S	SM 4500-S2 F-2011	406223		
70362495005	MW-10D	SM 4500-S2 F-2011	406223		
70362495006	EQUIPMENT BLANK	SM 4500-S2 F-2011	406223		

REPORT OF LABORATORY ANALYSIS

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WO#: 70362495



70362495

Subcontract Chain of Custody

Galbraith Laboratories, Inc.
2323 Sycamore Drive
Knoxville, TN 37921

Pace Job Number
L2538805

Page 1

Client Information				Project Information		Regulatory Requirements/Report Limits	
Client: Pace Analytical Labs Address: Eight Walkup Drive Westborough, MA 01581-1019 Report To: west.subreports@pacelabs.com Bill To: invoices@pacelabs.coupa.com Phone: 716.427.5228 Email: Jennifer.Byrnes@pacelabs.com				Project Location: NY Project Manager: Jennifer Byrnes		State/Federal Program: Regulatory Criteria:	
Turnaround & Deliverables Information Due Date: Deliverables: ASP Category B Deliverables (Level 4)						Report to MDL	
Project Specific Requirements and/or Report Requirements							
Reference following Pace Job Number on final report/deliverables: L2538805				Report to include Method and/or Regulatory required batch QC			
Additional Comments:							
Lab ID	Pace ID	Client ID	Collection Date/Time	Sample Matrix	Analysis	Sample Level Comments	Sample Specific QC
L2538805-01	MW-4S		06-19-25 11:10	WATER	Ammonium		0
L2538805-02	MW-4D2		06-19-25 11:05	WATER	Ammonium		0
L2538805-03	SCDOH-DR		06-19-25 10:00	WATER	Ammonium		0
L2538805-04	MW-10S		06-19-25 08:38	WATER	Ammonium		0
L2538805-05	MW-10D		06-19-25 08:50	WATER	Ammonium		0
L2538805-06	EQUIPMENT BLANK		06-19-25 12:00	Equipment Blank	Ammonium		0
Relinquished By:			Date/Time:		Received By:		Date/Time:
			6/20/25 1710				6/20 1710
			6/20				
			6-21-25 8:30				
Form No: AL_subcoc							

Client: ALPHA Profile #: 10678 ☐ Use Point Number Spreadsheet ☐ Multiday Project

Work ID: 62538805 ☐ Add SCLOGFD to first sample for field charge

[illegible]

Codes	Glass		Plastic	
VG9U	40mL unpres clear vial	AG4U	BP4U	125mL unpreserved plastic
VG9C	40mL unpres clear vial	AG4U	BP3U	250mL unpreserved plastic
VG9H	40mL HCl clear vial	AG2U	BP2U	500mL unpreserved plastic
VG9S	40mL Sulfuric clear vial	AG3U	BP1U	1L unpreserved plastic
VG9T	40mL Na Thiosulfate vial	AG34	BP4U	125mL HNO3 plastic
VG9V	40mL Citrate-Na Thiosulfate	AG35	BP3N	500mL HNO3 plastic
DG9B	40mL amber vial - TSP	AG4E	BP2N	500mL HNO3 plastic
DG9A	Ascorbic/Maleic Acid 40mL	AG3T	BP2S	250mL H2SO4 plastic
DG6T	Na Thio 60mL Vial	AG2R	BP2S	500mL H2SO4 plastic
DG9S	Ammonium Cl/Cu/SO4 40mL	AG1T	BP3C	NaOH 250mL bottle
WG9Q	1L Unpres Jar (Con Ed)	AG1H	BP3T	250mL Torma
WG9U	8oz clear soil jar	AG1A	BP35	250mL Ammonium Acetate
WG4O	4oz clear soil jar	AG5U	BP3Z	250mL NH4SO4-NaOH
		AG44	BP1Z	1L NaOH, Zn Acetate
			BP1N	1L HNO3 plastic
			BP4N	1L HNO3 plastic

	Misc.
SPSP5T	120mL. Caliform Na Thio
R	Terracore Kil
WG2U	2oz Unpreserved Jar
WGWU	4oz Unpreserved Jar
WGWU	8oz Unpreserved Jar
WGWU	16oz Unpreserved Jar
2PLC	Ziplock Bag
TEDL	Tedlar Bag
BG1H	1L HCL Clear Glass
GN	General
WIP	Wipe
LH1HG	Low Level Hg Bottles
BG1H	1. LHM3 Clear Glass

IOC	
1L unreserved plastic	BP1U
250mL HNO3 plastic	BP3P*
250mL Sodium Hydroxide	BP3C
500mL unreserved plastic	AG2U
250mL unreserved plastic	BP3U

Can also be a BP4N

Matrix	
WT	Water
SL	Solid
NAL	Non-aqueous Liquid
OL	Oil
WP	Wipe
DW	Drinking Water

SOC	
VG9T	40mL Na Thio amber vial
DG9A	40mL Ascorbic acid/ maleic Acid vials
DG9Y	Citrate/Na Thiosulfate 40mL
DG6T	Na Thiosulfate 60mL vial
DG6M	MnO ₂ /Cisoleic/Na Thio 60mL
AG3U	250mL unpres amber glass
AG3T	Na Thiosulfate 250mL bottle
BP4B	Na Thiosulfate Amber bottle
AG1T	Na Thiosulfate 1L Amber
AG1A	25% Chemical Bleach

Sender Initials

Additional Comments

WO#: 70362495

Client Name:

ALPHA

Project

PM: BDR

Due Date: 07/02/25

CLIENT: ALPHA

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☒ Pace ☐ Other

Tracking #:

Custody Seal on Cooler/Box Present: ☐ Yes ☒ No Seals intact: ☐ Yes ☒ No Temperature Blank Present: ☐ Yes ☐ No

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ Ziploc ☒ None ☐ Other Type of Ice: ☒ Wet ☐ Blue ☐ None

Thermometer Used: TH211 Correction Factor: +0.2 ☐ Samples on ice, cooling process has begun

Cooler Temperature(°C): 0.9 Cooler Temperature Corrected(°C): 1.1 Date/Time 5035A kits placed in freezer

Temp should be above freezing to 6.0°C

USDA Regulated Soil (☒ N/A, water sample)

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? ☐ Yes ☐ No

Did samples originate from a foreign source including Hawaii and Puerto Rico? ☐ Yes ☐ No

If Yes to either question, fill out a Regulated Soil Checklist (ENV-FRM-MELV-0076) and include with SCUR/COC paperwork.

Date and Initials of person examining contents:

WMC/23/25

	COMMENTS:
Chain of Custody Present: ☒ Yes ☐ No	1.
Chain of Custody Filled Out: ☒ Yes ☐ No	2.
Chain of Custody Relinquished: ☒ Yes ☐ No	3.
Sampler Name & Signature on COC: ☒ Yes ☐ No ☐ N/A	4.
Samples Arrived within Hold Time: ☒ Yes ☐ No	5.
Short Hold Time Analysis (<72hr): ☐ Yes ☒ No	6.
Rush Turn Around Time Requested: ☐ Yes ☒ No	7.
Sufficient Volume: (Triple volume provided for MS/MSD) ☒ Yes ☐ No	8.
Correct Containers Used: ☒ Yes ☐ No	9.
-Pace Containers Used: ☒ Yes ☐ No	10.
Containers Intact: ☒ Yes ☐ No	11.
Filtered volume received for Dissolved tests ☐ Yes ☐ No ☒ N/A	Note: if sediment is visible in the dissolved container.
Sample Labels match COC: ☒ Yes ☐ No	12.
-Includes date/time/ID/Analysis Matrix: SL ☒ WT ☐ SIL OTHER	

Date and Initials of person checking preservation:

WMC/23/25

All containers needing preservation have been pH paper Lot # 231224	13.	☐ HNO ₃ ☐ H ₂ SO ₄ ☐ NaOH ☐ HCl
All containers needing preservation are found to be in compliance with method recommendation? (HNO ₃ , H ₂ SO ₄ , HCl, NaOH>9 Sulfide, ☒ Yes ☐ No ☐ N/A NAOH>12 Cyanide) Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis	Sample #	
Samples checked for dechlorination: ☐ Yes ☐ No ☒ N/A	Initial when completed:	Lot # of added preservative:
KI starch test strips Lot #	Date/Time preservative added:	
Residual chlorine strips Lot #	14.	
SM 4500 CN samples checked for sulf ☐ Yes ☐ No ☒ N/A	Positive for Res. Chlorine? Y N	
Lead Acetate Strips Lot #	15.	
Headspace in ALK Bottle (>6mm): ☐ Yes ☐ No ☒ N/A	Positive for Sulfide? Y N	
Headspace in VOA Vials (>6mm): ☐ Yes ☐ No ☒ N/A	16.	
Trip Blank Present: ☐ Yes ☐ No ☒ N/A	17.	
Trip Blank Custody Seals Present ☐ Yes ☐ No ☒ N/A		

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted:

Date/Time:

Comments/ Resolution:

* PM (Project Manager) review (which includes the SCUR) is documented electronically in LIMS.

		Subcontract Chain of Custody Pace Analytical (Melville) 575 Broad Hollow Road Melville, NY 11747				Pace Job Number L2538805			
						Page 1			
Client Information			Project Information			Regulatory Requirements/Report Limits			
Client: Pace Analytical Labs Address: Eight Walkup Drive Westborough, MA 01581-1019 Report To: west.subreports@pacelabs.com Bill To: invoices@pacelabs.coupahost.com Phone: 716.427.5228 Email: Jennifer.Byrnes@pacelabs.com			Project Location: NY Project Manager: Jennifer Byrnes			State/Federal Program: Regulatory Criteria: Report to MDL			
			Turnaround & Deliverables Information Due Date: Deliverables: ASP Category B Deliverables (Level 4)						
Project Specific Requirements and/or Report Requirements									
Reference following Pace Job Number on final report/deliverables: L2538805 Report to include Method and/or Regulatory required batch QC									
Additional Comments: REPORT TO MDL, ASP B Package TAT= 1-2 Days after final report per Mike Miller",needs NYSDEC Equis EDD									
Lab ID	Pace ID	Client ID	Collection Date/Time	Sample Matrix	Analysis	Sample Level Comments	Sample Specific QC	Container Count	
	L2538805-01 L2538805-02 L2538805-03 L2538805-04 L2538805-05 L2538805-06	MW-4S MW-4D2 SCDOH-DR MW-10S MW-10D EQUIPMENT BLANK	06-19-25 11:10 06-19-25 11:05 06-19-25 10:00 06-19-25 08:38 06-19-25 08:50 06-19-25 12:00	WATER WATER WATER WATER WATER Equipment Blank	Sulfide Sulfide Sulfide Sulfide Sulfide Sulfide			0 0 0 0 0 0	
		Relinquished By:		Date/Time:		Received By:		Date/Time:	
Form No: AL_subcoc									



July 01, 2025

Jennifer Byrnes
Pace MA
Eight Walkup Drive
Westborough, MA 01581

RE: Project: L2538805
Pace Project No.: 50405484

Dear Jennifer Byrnes:

Enclosed are the analytical results for sample(s) received by the laboratory on June 24, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Indianapolis

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Tina Sayer
tina.sayer@pacelabs.com
(317)228-3127
Project Manager

Enclosures

cc: Pace MA, Pace MA



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: L2538805
Pace Project No.: 50405484

Pace Analytical Services Indianapolis

7726 Moller Road, Indianapolis, IN 46268
Illinois Accreditation #: 200074
Indiana Drinking Water Laboratory #: C-49-06
Kansas/TNI Certification #: E-10177
Kentucky UST Agency Interest #: 80226
Kentucky WW Laboratory ID #: 98019
Louisiana Certification #: 04076

Michigan Drinking Water Laboratory #9050
Oklahoma Laboratory #: 9204
Texas Certification #: T104704355
Washington Dept of Ecology #: C1081
Wisconsin Laboratory #: 999788130
USDA Foreign Soil Permit #: 525-23-13-23119
USDA Compliance Agreement #: IN-SL-22-001

REPORT OF LABORATORY ANALYSIS

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SAMPLE SUMMARY

Project: L2538805

Pace Project No.: 50405484

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50405484001	MW-4S	Water	06/19/25 11:10	06/24/25 10:00
50405484002	MW-4D2	Water	06/19/25 11:05	06/24/25 10:00
50405484003	SCDOH-DR	Water	06/19/25 10:00	06/24/25 10:00
50405484004	MW-10S	Water	06/19/25 08:38	06/24/25 10:00
50405484005	MW-10D	Water	06/19/25 08:50	06/24/25 10:00
50405484006	EQUIPMENT BLANK	Water	06/19/25 12:00	06/24/25 10:00

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SAMPLE ANALYTE COUNT

Project: L2538805

Pace Project No.: 50405484

Lab ID	Sample ID	Method	Analysts	Analytes Reported
50405484001	MW-4S	EPA 9056	MTW	1
50405484002	MW-4D2	EPA 9056	MTW	1
50405484003	SCDOH-DR	EPA 9056	MTW	1
50405484004	MW-10S	EPA 9056	MTW	1
50405484005	MW-10D	EPA 9056	MTW	1
50405484006	EQUIPMENT BLANK	EPA 9056	MTW	1

PASI-I = Pace Analytical Services - Indianapolis

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ANALYTICAL RESULTS

Project: L2538805

Pace Project No.: 50405484

Sample: MW-4S		Lab ID: 50405484001		Collected: 06/19/25 11:10		Received: 06/24/25 10:00		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC									
Analytical Method: EPA 9056									
Pace Analytical Services - Indianapolis									
Iodide	ND	mg/L	0.50	0.15	1		06/28/25 23:18		

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ANALYTICAL RESULTS

Project: L2538805
Pace Project No.: 50405484

Sample: MW-4D2		Lab ID: 50405484002		Collected: 06/19/25 11:05		Received: 06/24/25 10:00		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC		Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis							
Iodide	ND	mg/L	0.50	0.15	1		06/28/25 23:38		

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ANALYTICAL RESULTS

Project: L2538805

Pace Project No.: 50405484

Sample: SCDOH-DR		Lab ID: 50405484003		Collected: 06/19/25 10:00		Received: 06/24/25 10:00		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC		Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis							
Iodide	ND	mg/L	0.50	0.15	1		06/28/25 23:57		

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ANALYTICAL RESULTS

Project: L2538805
Pace Project No.: 50405484

Sample: MW-10S		Lab ID: 50405484004		Collected: 06/19/25 08:38		Received: 06/24/25 10:00		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC		Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis							
Iodide	ND	mg/L	0.50	0.15	1		06/29/25 00:16		

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ANALYTICAL RESULTS

Project: L2538805

Pace Project No.: 50405484

Sample: MW-10D		Lab ID: 50405484005		Collected: 06/19/25 08:50		Received: 06/24/25 10:00		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC									
Analytical Method: EPA 9056									
Pace Analytical Services - Indianapolis									
Iodide	ND	mg/L	0.50	0.15	1		06/29/25 00:35		

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ANALYTICAL RESULTS

Project: L2538805

Pace Project No.: 50405484

Sample: EQUIPMENT BLANK		Lab ID: 50405484006		Collected: 06/19/25 12:00		Received: 06/24/25 10:00		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC									
Analytical Method: EPA 9056									
Pace Analytical Services - Indianapolis									
Iodide	ND	mg/L	0.50	0.15	1		06/29/25 00:55		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: L2538805

Pace Project No.: 50405484

QC Batch:	851349	Analysis Method:	EPA 9056
QC Batch Method:	EPA 9056	Analysis Description:	9056 Iodide by IC
		Laboratory:	Pace Analytical Services - Indianapolis

Associated Lab Samples: 50405484001, 50405484002, 50405484003, 50405484004, 50405484005, 50405484006

METHOD BLANK: 3899525 Matrix: Water

Associated Lab Samples: 50405484001, 50405484002, 50405484003, 50405484004, 50405484005, 50405484006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Iodide	mg/L	ND	0.50	0.15	06/29/25 01:14	

LABORATORY CONTROL SAMPLE: 3899526

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iodide	mg/L	5	5.1	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3899527 3899528

Parameter	Units	50405253006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iodide	mg/L	ND	5	5	4.6	4.5	91	91	80-120	1	15	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: L2538805

Pace Project No.: 50405484

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: L2538805

Pace Project No.: 50405484

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50405484001	MW-4S	EPA 9056	851349		
50405484002	MW-4D2	EPA 9056	851349		
50405484003	SCDOH-DR	EPA 9056	851349		
50405484004	MW-10S	EPA 9056	851349		
50405484005	MW-10D	EPA 9056	851349		
50405484006	EQUIPMENT BLANK	EPA 9056	851349		

REPORT OF LABORATORY ANALYSIS

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WO# : 50405484



50405484

Pace Job Number:

L2538805

Page 1

		Subcontract Chain of Custody Pace Analytical (Indianapolis, IN) 7726 Moller Road Indianapolis, IN 46268						
Client Information Client: Pace Analytical Labs Address: Eight Walkup Drive Westborough, MA 01581-1019 Report To: west.subreports@pacelabs.com Bill To: invoices@pacelabs.coupa.com Phone: 716.427.5228 Email: Jennifer.Byrnes@pacelabs.com		Project Information Project Location: NY Project Manager: Jennifer Byrnes Turnaround & Deliverables Information Due Date: Deliverables: ASP Category B Deliverables (Level 4)		Regulatory Requirements/Report Limits State/Federal Program: Regulatory Criteria: Report to MDL				
Project Specific Requirements and/or Report Requirements								
Reference following Pace Job Number on final report/deliverables: L2538805			Report to include Method and/or Regulatory required batch QC					
Additional Comments: Profile # 11706: needs L4 and EDD 265 NY EQUIS								
Lab ID	Pace ID	Client ID	Collection Date/Time	Sample Matrix	Analysis	Sample Level Comments	Sample Specific QC	Container Count
	L2538805-01 L2538805-02 L2538805-03 L2538805-04 L2538805-05 L2538805-06	MW-4S MW-4D2 SCDOH-DR MW-10S MW-10D EQUIPMENT BLANK	06-19-25 11:10 06-19-25 11:05 06-19-25 10:00 06-19-25 08:38 06-19-25 08:50 06-19-25 12:00	WATER WATER WATER WATER WATER Equipment Blank	Iodide EPA 9056 Iodide EPA 9056 Iodide EPA 9056 Iodide EPA 9056 Iodide EPA 9056 Iodide EPA 9056			1 1 1 1 1 1
Relinquished By:			Date/Time:		Received By:		Date/Time:	
			6/23/25					
			6/24/25 1000				6/24/25 1000	
Form No: AL_subcoc								



SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: MM 1612 06.24.25

1. Thermometer: 1 2 3 4 5 6 7 8 9 A B C D E F <u>G</u> H I		3. Packing Material: Bubble Wrap ☐ Bubble Bags ☐ Other <u>black trash bag</u>	
2. Cooler Temperature(s): <u>0.9/0.7</u> (Initial/Corrected) RECORD TEMPS OF ALL COOLERS RECEIVED (use Comments below to add more)		4. Ice Type: Wet ☐ Blue ☐ None ☐	
3. Was the PM notified of out of temp cooler?: (leave blank if samples are in temp) Yes ☐ No ☐		5. Courier: <u>Fed Ex</u> UPS ☐ Client ☐ Pace ☐ Now/Jett ☐ Other ☐	
Cooler temp should be above freezing to 6°C If the PM was contacted in the comments below, please write how they instructed the project to proceed		6. Custody Seal on Cooler/Box Present: <u>Yes</u> No ☐ (If yes) Seals Intact: <u>Yes</u> No ☐ (leave blank if no seals were present)	

All discrepancies will be written out in the comments section below.

	Yes	No		Yes	No	N/A
USDA Regulated Soils? (HI, ID, NY, WA, OR, CA, NM, TX, OK, AR, LA, TN, AL, MS, NC, SC, GA, FL, or Puerto Rico)		☒	All containers needing acid/base preservation have been pH CHECKED? Exceptions: VOA, coliform, LLHg, O&G, RAD CHEM, and any container with a septum cap or preserved with HCl. Circle: HNO3 (<2) H2SO4 (<2) NaOH (>10) NaOH/ZnAc (>9) Any non-conformance to pH recommendations will be noted on the container count form			☒
Short Hold Time Analysis (48 hours or less)? Analysis:		☒				
Time 5035A TC placed in Freezer or Short Holds To Lab	Time:		Residual Chlorine Check (SVOC 625 Pest/PCB 608)	<u>Present</u>	<u>Absent</u>	<u>N/A</u>
Rush TAT Requested (4 days or less):		☒	Residual Chlorine Check (Total/Amenable/Free Cyanide)			☒
Custody Signatures Present?	☒		Headspace in VOA Vials (>6mm): See Container Count form for details	<u>Present</u>	<u>Absent</u>	<u>No VOA Vials Sent</u>
Containers Intact?	☒		Trip Blank Present?		☒	
Sample Label (IDs/Dates/Times) Match COC?: Except TCs, which only require sample ID	☒		Trip Blank Custody Seals?			
Comments:			Extra labels on Terracore Vials? (soils only)			

Sample Container Count

** Place a PINK dot on containers

that are out of conformance **

COC Line Item	WGFI	WGKU	BG1U	VOAH (only)		VOA VIAL HS (>6mm)	VG9U	DG9U	VG9T	AMBER GLASS							PLASTIC							OTHER			Matrix																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
				R	DG9H					VG9H	AG0U	AG1H	AG1U	AG3U	AG3S	AG3SF	AG3B	BP1U	BP1N	BP2U	BP3U	BP3N	BP3F	BP3S	BP3B	BP3Z		CG3H	CG3F	Syringe Kit																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																							
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Container Codes

Glass				Plastic			
DG9H	40mL HCl amber vial	BG1T	1L Na Thiosulfate clear glass	BP1B	1L NaOH plastic	NT3U	Non Teflon 250mL unpreserved plastic
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass	BP1N	1L HNO3 plastic	BP4U	125mL unpreserved plastic
DG9S	40mL H2SO4 amber vial	CG3H	250mL HCl Clear Glass	BP1S	1L H2SO4 plastic	BP4N	125mL HNO3 plastic
DG9T	40mL Na Thio amber vial	CG3U	250mL Unpres Clear Glass	BP1U	1L unpreserved plastic	BP4S	125mL H2SO4 plastic
DG9U	40mL unpreserved amber vial	AG0U	100mL unpres amber glass	BP1Z	1L NaOH, Zn, Ac	Miscellaneous	
VG9H	40mL HCl clear vial	AG1H	1L HCl amber glass	BP2N	500mL HNO3 plastic		
VG9T	40mL Na Thio, clear vial	AG1S	1L H2SO4 amber glass	BP2C	500mL NaOH plastic	Syringe Kit	LL Cr+6 sampling kit
VG9U	40mL unpreserved clear vial	AG1T	1L Na Thiosulfate amber glass	BP2S	500mL H2SO4 plastic	ZPLC	Ziploc Bag
I	40mL w/hexane wipe vial	AG1U	1liter unpres amber glass	BP2U	500mL unpreserved plastic	R	Terracore Kit
WGKU	8oz unpreserved clear jar	AG2N	500mL HNO3 amber glass	BP2Z	500mL NaOH, Zn Ac	SP5T	120mL Coliform Sodium Thiosulfate
WGFU	4oz clear soil jar	AG2S	500mL H2SO4 amber glass	BP3B	250mL NaOH plastic	GN	General Container
JGFU	4oz unpreserved amber wide	AG2U	500mL unpres amber glass	BP3N	250mL HNO3 plastic	U	Summa Can (air sample)
CG3H	250mL clear glass HCl	AG3S	250mL H2SO4 amber glass	BP3F	250mL HNO3 plastic-field filtered	WT	Water
CG3F	250mL clear glass HCl, Field Filter	AG3SF	250mL H2SO4 amb glass -field filtered	BP3U	250mL unpreserved plastic	SL	Solid
BG1H	1L HCl clear glass	AG3U	250mL unpres amber glass	BP3S	250mL H2SO4 plastic	OL	Oil
BG1S	1L H2SO4 clear glass	AG3B	250mL NaOH amber glass	BP3Z	250mL NaOH, ZnAc plastic	NAL	Non-aqueous liquid
						WP	Wipe

Laboratory Report

Report prepared for:

Jennifer Byrnes
Pace Analytical Services, LLC
8 Walkup Drive
Westborough, MA 01581

Email: jennifer.byrnes@pacelabs.com, west.subreports@pacelabs.com

Report prepared by:

Debbie S Robertson

Purchase Order:**For further assistance, contact:**

Debbie S Robertson
Report Production Coordinator
2323 Sycamore Dr
Knoxville, TN 37921
(865) 546-1335
debbierobertson@galbraith.com

Sample: L2538805 MW-4S		Received: 2025-06-24			
Lab ID: 2025-W-2102					
Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	213.45 mg	2025-07-02

Sample: L2538805 MW-4D2		Received: 2025-06-24			
Lab ID: 2025-W-2103					
Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	212.68 mg	2025-07-02

Sample: L2538805 SCDOH-DR		Received: 2025-06-24			
Lab ID: 2025-W-2104					
Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	212.41 mg	2025-07-02

Sample: L2538805 MW-10S		Received: 2025-06-24			
Lab ID: 2025-W-2105					
Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	211.68 mg	2025-07-02

Sample: L2538805 MW-10D		Received: 2025-06-24			
Lab ID: 2025-W-2106					
Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	213.07 mg	2025-07-02

Sample: L2538805 EQUIPMENT BLANK		Received: 2025-06-24			
Lab ID: 2025-W-2107					
Analysis	Method	Result	Basis	Sample Amount Used	Date (Time)
711: Ammonium					
	GLI Procedure ME-4D	< 5 ppm	As Received	212.46 mg	2025-07-02

Signatures:

Published By: Debbie.S.Robertson
Created By: Debbie.S.Robertson

2025-07-03T20:07:47.013-04:00
2025-07-03T20:07:17.873-04:00

- Physical signatures are on file.
- "Published By" signature indicates authorized release of data.



Analytical Data Package

Prepared by:

Pace Analytical Services

Pace Project No.: 70362495

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InOrganic

Wet Chemistry

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June 25, 2025

Jennifer Byrnes

,

RE: Project: L2538805
Pace Project No.: 70362495

Dear Jennifer Byrnes:

Enclosed are the analytical results for sample(s) received by the laboratory on June 21, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Melville

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Brianna D. Rivera
brianna.rivera@pacelabs.com
516-370-6007
Project Manager

Enclosures

cc: Reports, Pace - West Borough



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: L2538805

Pace Project No.: 70362495

Pace Analytical Services, LLC - Melville, NY

575 Broad Hollow Rd, Melville, NY 11747

Connecticut Certification #: PH-0435

Delaware Certification # NY 10478

Maryland Certification #: 208

Massachusetts Certification #: M-NY026

New Hampshire Certification #: 2987

New Jersey Certification #: NY158

New York Certification #: 10478 Primary Accrediting Body

Pennsylvania Certification #: 68-00350

Rhode Island Certification #: LAO00340

Texas Certification #: T104704582

Florida Certification #: E871198

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SAMPLE SUMMARY

Project: L2538805

Pace Project No.: 70362495

Lab ID	Sample ID	Matrix	Date Collected	Date Received
70362495001	MW-4S	Water	06/19/25 11:10	06/21/25 08:30
70362495002	MW-4D2	Water	06/19/25 11:05	06/21/25 08:30
70362495003	SCDOH-DR	Water	06/19/25 10:00	06/21/25 08:30
70362495004	MW-10S	Water	06/19/25 08:38	06/21/25 08:30
70362495005	MW-10D	Water	06/19/25 08:50	06/21/25 08:30
70362495006	EQUIPMENT BLANK	Water	06/19/25 12:00	06/21/25 08:30

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SAMPLE ANALYTE COUNT

Project: L2538805

Pace Project No.: 70362495

Lab ID	Sample ID	Method	Analysts	Analytes Reported
70362495001	MW-4S	SM 4500-S2 F-2011	GEL	1
70362495002	MW-4D2	SM 4500-S2 F-2011	GEL	1
70362495003	SCDOH-DR	SM 4500-S2 F-2011	GEL	1
70362495004	MW-10S	SM 4500-S2 F-2011	GEL	1
70362495005	MW-10D	SM 4500-S2 F-2011	GEL	1
70362495006	EQUIPMENT BLANK	SM 4500-S2 F-2011	GEL	1

PACE-MV = Pace Analytical Services - Melville

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PROJECT NARRATIVE

Project: L2538805
Pace Project No.: 70362495

Method: SM 4500-S2 F-2011
Description: 4500S2F W Sulfide Iodometric
Client: Pace Westborough
Date: June 25, 2025

General Information:

6 samples were analyzed for SM 4500-S2 F-2011 by Pace Analytical Services Melville. All samples were received in acceptable condition with any exceptions noted below or on the chain-of custody and/or the sample condition upon receipt form (SCUR) attached at the end of this report.

Hold Time:

The samples were analyzed within the method required hold times with any exceptions noted below.

Method Blank:

All analytes were below the report limit in the method blank, where applicable, with any exceptions noted below.

Laboratory Control Spike:

All laboratory control spike compounds were within QC limits with any exceptions noted below.

Matrix Spikes:

All percent recoveries and relative percent differences (RPDs) were within acceptance criteria with any exceptions noted below.

QC Batch: 406223

A matrix spike and/or matrix spike duplicate (MS/MSD) were performed on the following sample(s): 70362344006

M1: Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

- MS (Lab ID: 2150351)
 - Sulfide
- MSD (Lab ID: 2150352)
 - Sulfide

Additional Comments:

This data package has been reviewed for quality and completeness and is approved for release.

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ANALYTICAL RESULTS

Project: L2538805

Pace Project No.: 70362495

Sample: MW-4S		Lab ID: 70362495001		Collected: 06/19/25 11:10		Received: 06/21/25 08:30		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric		Analytical Method: SM 4500-S2 F-2011 Pace Analytical Services - Melville							
Sulfide	<0.20	mg/L	2.0	0.20	1		06/25/25 15:39		

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ANALYTICAL RESULTS

Project: L2538805

Pace Project No.: 70362495

Sample: MW-4D2		Lab ID: 70362495002		Collected: 06/19/25 11:05		Received: 06/21/25 08:30		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric		Analytical Method: SM 4500-S2 F-2011 Pace Analytical Services - Melville							
Sulfide	<0.20	mg/L	2.0	0.20	1		06/25/25 15:42		

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ANALYTICAL RESULTS

Project: L2538805

Pace Project No.: 70362495

Sample: SCDOH-DR		Lab ID: 70362495003		Collected: 06/19/25 10:00		Received: 06/21/25 08:30		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric		Analytical Method: SM 4500-S2 F-2011 Pace Analytical Services - Melville							
Sulfide	<0.20	mg/L	2.0	0.20	1		06/25/25 15:45		

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ANALYTICAL RESULTS

Project: L2538805

Pace Project No.: 70362495

Sample: MW-10S		Lab ID: 70362495004		Collected: 06/19/25 08:38		Received: 06/21/25 08:30		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric		Analytical Method: SM 4500-S2 F-2011 Pace Analytical Services - Melville							
Sulfide	<0.20	mg/L	2.0	0.20	1		06/25/25 15:47		

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ANALYTICAL RESULTS

Project: L2538805

Pace Project No.: 70362495

Sample: MW-10D		Lab ID: 70362495005		Collected: 06/19/25 08:50		Received: 06/21/25 08:30		Matrix: Water	
Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric		Analytical Method: SM 4500-S2 F-2011 Pace Analytical Services - Melville							
Sulfide	<0.20	mg/L	2.0	0.20	1		06/25/25 15:50		

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ANALYTICAL RESULTS

Project: L2538805

Pace Project No.: 70362495

Sample: EQUIPMENT BLANK Lab ID: 70362495006 Collected: 06/19/25 12:00 Received: 06/21/25 08:30 Matrix: Water

Parameters	Results	Units	PQL	MDL	DF	Prepared	Analyzed	CAS No.	Qual
4500S2F W Sulfide Iodometric	Analytical Method: SM 4500-S2 F-2011 Pace Analytical Services - Melville								
Sulfide	<0.20	mg/L	2.0	0.20	1		06/25/25 15:53		

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QUALITY CONTROL DATA

Project: L2538805

Pace Project No.: 70362495

QC Batch:	406223	Analysis Method:	SM 4500-S2 F-2011
QC Batch Method:	SM 4500-S2 F-2011	Analysis Description:	4500S2F W Sulfide Iodometric
		Laboratory:	Pace Analytical Services - Melville

Associated Lab Samples: 70362495001, 70362495002, 70362495003, 70362495004, 70362495005, 70362495006

METHOD BLANK:	2150349	Matrix:	Water
---------------	---------	---------	-------

Associated Lab Samples: 70362495001, 70362495002, 70362495003, 70362495004, 70362495005, 70362495006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Sulfide	mg/L	<0.20	2.0	0.20	06/25/25 15:56	

LABORATORY CONTROL SAMPLE: 2150350

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Sulfide	mg/L	14	14.0	100	85-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2150351 2150352

Parameter	Units	70362344006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Sulfide	mg/L	<2.0	11.2	11.2	0.80J	0.80J	-1	-1	70-130		20	M1

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: L2538805
Pace Project No.: 70362495

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.
ND - Not Detected at or above adjusted reporting limit.
TNTC - Too Numerous To Count
J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.
MDL - Adjusted Method Detection Limit.
PQL - Practical Quantitation Limit.
RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.
S - Surrogate
1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.
Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.
LCS(D) - Laboratory Control Sample (Duplicate)
MS(D) - Matrix Spike (Duplicate)
DUP - Sample Duplicate
RPD - Relative Percent Difference
NC - Not Calculable.
SG - Silica Gel - Clean-Up
U - Indicates the compound was analyzed for, but not detected.
N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.
Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.
TNI - The NELAC Institute.

ANALYTE QUALIFIERS

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: L2538805

Pace Project No.: 70362495

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
70362495001	MW-4S	SM 4500-S2 F-2011	406223		
70362495002	MW-4D2	SM 4500-S2 F-2011	406223		
70362495003	SCDOH-DR	SM 4500-S2 F-2011	406223		
70362495004	MW-10S	SM 4500-S2 F-2011	406223		
70362495005	MW-10D	SM 4500-S2 F-2011	406223		
70362495006	EQUIPMENT BLANK	SM 4500-S2 F-2011	406223		

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WO#: 70362495



70362495

Subcontract Chain of Custody

Galbraith Laboratories, Inc.
2323 Sycamore Drive
Knoxville, TN 37921

Pace Job Number
L2538805

Page 1

Client Information				Project Information		Regulatory Requirements/Report Limits	
Client: Pace Analytical Labs Address: Eight Walkup Drive Westborough, MA 01581-1019 Report To: west.subreports@pacelabs.com Bill To: invoices@pacelabs.coupa.com Phone: 716.427.5228 Email: Jennifer.Bymes@pacelabs.com				Project Location: NY Project Manager: Jennifer Byrnes Turnaround & Deliverables Information Due Date: Deliverables: ASP Category B Deliverables (Level 4)		State/Federal Program: Regulatory Criteria: Report to MDL	
Project Specific Requirements and/or Report Requirements Reference following Pace Job Number on final report/deliverables: L2538805 Report to include Method and/or Regulatory required batch QC							
Additional Comments:							
Lab ID	Pace ID	Client ID	Collection Date/Time	Sample Matrix	Analysis	Sample Level Comments	Container Count
L2538805-01	MW-4S		06-19-25 11:10	WATER	Ammonium		0
L2538805-02	MW-4D2		06-19-25 11:05	WATER	Ammonium		0
L2538805-03	SCDOH-DR		06-19-25 10:00	WATER	Ammonium		0
L2538805-04	MW-10S		06-19-25 08:38	WATER	Ammonium		0
L2538805-05	MW-10D		06-19-25 08:50	WATER	Ammonium		0
L2538805-06	EQUIPMENT BLANK		06-19-25 12:00	Equipment Blank	Ammonium		0
Relinquished By:			Date/Time:		Received By:		Date/Time:
			6/20/25 1710				6/20 1710
			6/20				
			6-21-25 8:30				
Form No: AL_subcoc							

10678

Client:

Profile #:

Use Point Number Spreadsheet

Multiday Project

Work ID:

COC Page

Add SCLOGFD to first sample for field charge

[illegible]

Container Coders

	Glass	Plastic		
WG9U	40mL unpres clear vial	BP4U	125mL unpres amber glass	125mL unpreserved plastic
WG9C	vial	AG3U	250mL unpres amber glass	250mL unpreserved plastic
WG9H	40mL HCl clear vial	AG3U	250mL unpres amber glass	300mL unpreserved plastic
WG9S	40mL Sulfuric clear vial	AG1U	titer unpres amber glass	1L unpreserved plastic
WG9T	40mL Na Thiosulfate vial	AG3A	Ammonium Cl 250mL bottle	125mL HN03 plastic
DG9V	40mL Citrate-Na vial	AG3S	125mL H2SO4 amber glass	125mL HN03 plastic
DG9P	40mL Clear-Na vial - TSP	AG4E	250mL EDTA amber glass	500mL HN03 plastic
DG9M	Ascorbic/Malic Acid 40mL	AG3T	250mL Na Thio amber glass	250mL H2SO4 plastic
DG8T	Na Thio 60mL Vial	AG2R	Na Sulfite 500mL (blue Cap)	500mL H2SO4 plastic
DG8S	Ammonium Cl/CUSO4 40mL	AG1T	Na Thiosulfate 1L bottle	NaOH 250mL bottle
WG9J	1L Unpres Jar (Con Ed)	AG1H	1L HCl amber glass	250mL Triform
WG9Q	8oz clear soil jar	AG1A	(NH4Cl)	250mL Ammonium Acetate
WG4O	4oz clear soil jar	AG5U	100mL unpres Amber Glass	250mL NaOH-NH4OH
		AG44	Ammonium Cl 120mL bottle	BP1Z 1L NaOH, Zn Acetate
				BP1N 1L HN03 plastic
				BP1B No Thioer flasks & blue bottles

	Misc.
SPSP5T	120mL. Caliform Na Thio
R	Terracore Kil
WG2U	2oz Unpreserved Jar
WGWU	4oz Unpreserved Jar
WGWU	8oz Unpreserved Jar
WGWU	16oz Unpreserved Jar
2PLC	Ziplock Bag
TEDL	Tedlar Bag
BG1H	1L HCL Clear Glass
GN	General
WIP	Wipe
LH1HG	Low Level Hg Bottles
BG1H	1. LHM3 Clear Glass

IOC	
1L unpreserved plastic	BBP1U
250mL HNO3 plastic	BBP3N*
250mL Sodium Hydroxide	BBP3C
500mL unpres amber glass	AGAG2U
250mL unpreserved plastic	BBP3U

* Can also be a BP4N

Matrix	
WT	Water
SL	Solid
NAL	Non-aqueous Liquid
OL	Oil
WP	Wipe
DW	Drinking Water

SOC	
VG9T	40mL Na Thio amber vial
DG9A	40mL Ascorbic acid/ maleic Acid vials
DG9Y	Citrate/Na Thiosulfate 40mL
DG6T	Na Thiosulfate 60mL vial
DG6M	MonoChloroAcetic Na Thio 60mL
AG3U	250mL unpres amber glass
AG3T	Na Thiosulfate 250mL bottle
BP4B	Na Thiosulfate Amber bottle
AG1T	Na Thiosulfate 1L Amber
AG1A	25% Chemical Bleach

Sender Initials

Additional Comments

WO#: 70362495

Client Name:

ALPHA

Project

PM: BDR

Due Date: 07/02/25

CLIENT: ALPHA

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client ☐ Commercial ☒ Pace ☐ Other

Tracking #:

Custody Seal on Cooler/Box Present: ☐ Yes ☒ No Seals intact: ☐ Yes ☒ No Temperature Blank Present: ☐ Yes ☐ No

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ Ziploc ☒ None ☐ Other Type of Ice: ☒ Wet ☐ Blue ☐ None

Thermometer Used: TH211 Correction Factor: +0.2 ☐ Samples on ice, cooling process has begun

Cooler Temperature(°C): 0.9 Cooler Temperature Corrected(°C): 1.1 Date/Time 5035A kits placed in freezer

Temp should be above freezing to 6.0°C

USDA Regulated Soil (☒ N/A, water sample)

Did samples originate in a quarantine zone within the United States: AL, AR, CA, FL, GA, ID, LA, MS, NC, NM, NY, OK, OR, SC, TN, TX, or VA (check map)? ☐ Yes ☐ No

Did samples originate from a foreign source including Hawaii and Puerto Rico? ☐ Yes ☐ No

If Yes to either question, fill out a Regulated Soil Checklist (ENV-FRM-MELV-0076) and include with SCUR/COC paperwork.

Date and Initials of person examining contents:

WMC/23/25

	COMMENTS:
Chain of Custody Present: ☒ Yes ☐ No	1.
Chain of Custody Filled Out: ☒ Yes ☐ No	2.
Chain of Custody Relinquished: ☒ Yes ☐ No	3.
Sampler Name & Signature on COC: ☒ Yes ☐ No ☐ N/A	4.
Samples Arrived within Hold Time: ☒ Yes ☐ No	5.
Short Hold Time Analysis (<72hr): ☐ Yes ☒ No	6.
Rush Turn Around Time Requested: ☐ Yes ☒ No	7.
Sufficient Volume: (Triple volume provided for MS/MSD) ☒ Yes ☐ No	8.
Correct Containers Used: ☒ Yes ☐ No	9.
-Pace Containers Used: ☒ Yes ☐ No	10.
Containers Intact: ☒ Yes ☐ No	11.
Filtered volume received for Dissolved tests ☐ Yes ☐ No ☒ N/A	Note: if sediment is visible in the dissolved container.
Sample Labels match COC: ☒ Yes ☐ No	12.
-Includes date/time/ID/Analysis Matrix: SL ☒ WT ☐ SIL OTHER	

Date and Initials of person checking preservation:

WMC/23/25

All containers needing preservation have been pH paper Lot # 231224	13.	☐ HNO ₃ ☐ H ₂ SO ₄ ☐ NaOH ☐ HCl
All containers needing preservation are found to be in compliance with method recommendation? (HNO ₃ , H ₂ SO ₄ , HCl, NaOH>9 Sulfide, ☒ Yes ☐ No ☐ N/A NAOH>12 Cyanide) Exceptions: VOA, Coliform, TOC/DOC, Oil and Grease, DRO/8015 (water). Per Method, VOA pH is checked after analysis	Sample #	
Samples checked for dechlorination: ☐ Yes ☐ No ☒ N/A	Initial when completed:	Lot # of added preservative:
KI starch test strips Lot #	Date/Time preservative added:	
Residual chlorine strips Lot #	14.	
SM 4500 CN samples checked for sulf ☐ Yes ☐ No ☒ N/A	Positive for Res. Chlorine? Y N	
Lead Acetate Strips Lot #	15.	
Headspace in ALK Bottle (>6mm): ☐ Yes ☐ No ☒ N/A	Positive for Sulfide? Y N	
Headspace in VOA Vials (>6mm): ☐ Yes ☐ No ☒ N/A	16.	
Trip Blank Present: ☐ Yes ☐ No ☒ N/A	17.	
Trip Blank Custody Seals Present ☐ Yes ☐ No ☒ N/A		

Client Notification/ Resolution:

Field Data Required? Y / N

Person Contacted:

Date/Time:

Comments/ Resolution:

* PM (Project Manager) review (which includes the SCUR) is documented electronically in LIMS.

		Subcontract Chain of Custody Pace Analytical (Melville) 575 Broad Hollow Road Melville, NY 11747			Pace Job Number L2538805 Page 1			
Client Information		Project Information			Regulatory Requirements/Report Limits			
Client: Pace Analytical Labs Address: Eight Walkup Drive Westborough, MA 01581-1019 Report To: west.subreports@pacelabs.com Bill To: invoices@pacelabs.coupahost.com Phone: 716.427.5228 Email: Jennifer.Byrnes@pacelabs.com		Project Location: NY Project Manager: Jennifer Byrnes Turnaround & Deliverables Information Due Date: Deliverables: ASP Category B Deliverables (Level 4)			State/Federal Program: Regulatory Criteria: Report to MDL			
Project Specific Requirements and/or Report Requirements								
Reference following Pace Job Number on final report/deliverables: L2538805 Report to include Method and/or Regulatory required batch QC								
Additional Comments: REPORT TO MDL, ASP B Package TAT= 1-2 Days after final report per Mike Miller",needs NYSDEC Equis EDD								
Lab ID	Pace ID	Client ID	Collection Date/Time	Sample Matrix	Analysis	Sample Level Comments	Sample Specific QC	Container Count
	L2538805-01 L2538805-02 L2538805-03 L2538805-04 L2538805-05 L2538805-06	MW-4S MW-4D2 SCDOH-DR MW-10S MW-10D EQUIPMENT BLANK	06-19-25 11:10 06-19-25 11:05 06-19-25 10:00 06-19-25 08:38 06-19-25 08:50 06-19-25 12:00	WATER WATER WATER WATER WATER Equipment Blank	Sulfide Sulfide Sulfide Sulfide Sulfide Sulfide			0 0 0 0 0 0
		Relinquished By:			Date/Time:	Received By:	Date/Time:	
Form No: AL_subcoc								

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-4S

Lab Name: Pace Analytical - New York SDG No. : 70362495 Contract: L2538805
Lab Sample ID: 70362495001 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Sulfide	<0.20	U	mg/L	1	06/25/2025 15:39

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-4D2

Lab Name: Pace Analytical - New York SDG No. : 70362495 Contract: L2538805
Lab Sample ID: 70362495002 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Sulfide	<0.20	U	mg/L	1	06/25/2025 15:42

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SCDOH-DR

Lab Name: Pace Analytical - New York SDG No. : 70362495 Contract: L2538805
Lab Sample ID: 70362495003 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Sulfide	<0.20	U	mg/L	1	06/25/2025 15:45

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-10S

Lab Name: Pace Analytical - New York SDG No. : 70362495 Contract: L2538805
Lab Sample ID: 70362495004 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Sulfide	<0.20	U	mg/L	1	06/25/2025 15:47

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-10D

Lab Name: Pace Analytical - New York SDG No. : 70362495 Contract: L2538805
Lab Sample ID: 70362495005 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Sulfide	<0.20	U	mg/L	1	06/25/2025 15:50

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

EQUIPMENT BLANK

Lab Name: Pace Analytical - New York SDG No. : 70362495 Contract: L2538805
Lab Sample ID: 70362495006 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Sulfide	<0.20	U	mg/L	1	06/25/2025 15:53

FORM III INORGANIC-1
BLANKS

Lab Name: Pace Analytical - New York SDG No. : 70362495 Contract : L2538805

Method Blank Matrix: Water Instrument ID: 70WETO

Method Blank Concentration Units: mg/L

Analyte	Initial Calibration Blank		Continuing Calibration Blank						Method Blank	
		C		C		C		C	2150349	C
Sulfide									<0.20	U

FORM V INORGANIC-1
MATRIX SPIKE SAMPLE RECOVERY

SAMPLE NO.

2150351MS

Lab Name: Pace Analytical - New York SDG No. : 70362495 Contract: L2538805

Matrix: Water Basis: Wet Parent Sample ID: 70362344006

Percent Moisture: _____

Analyte	Units	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R
Sulfide	mg/L	70-130	0.80J	<2.0	11.2	-1*

* Spike Recovery outside QC Limits

FORM V INORGANIC-2
MATRIX SPIKE SAMPLE RECOVERY

SAMPLE NO.

2150352MSD

Lab Name: Pace Analytical - New York SDG No. : 70362495 Contract: L2538805

Matrix: Water Basis: Wet Parent Sample ID: 70362344006

Percent Moisture: _____

Analyte	Units	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R
Sulfide	mg/L	70-130	0.80J	<2.0	11.2	-1*

* Spike Recovery outside QC Limits

SAMPLE NO.

FORM VI INORGANIC-1
DUPLICATES

2150352MSD

Lab Name: Pace Analytical - New York SDG No. : 70362495 Contract: L2538805Matrix: Water Concentration Units: mg/LPercent Moisture: Basis: Wet

Analyte	RPD Control Limit	Sample	Duplicate	RPD
Sulfide	20	0.80J	0.80J	

FORM VII INORGANIC-1
LABORATORY CONTROL SAMPLE

SAMPLE NO.

2150350LCS

Lab Name: Pace Analytical - New York SDG No. : 70362495 Contract: L2538805

Matrix: Water

Analyte	Units	True	Found	%R	Limits	
Sulfide	mg/L	14.0	14.0	100	85	115

FORM XII INORGANIC-1
PREPARATION LOG

Lab Name: Pace Analytical - New York SDG No. : 70362495 Contract: L2538805

Preparation Method: SM 4500-S2 F-2011 Batch: WET 92243

Lab Sample ID	Sample Name	Preparation Date	Initial Volume (mL)	Final Volume (mL)
2150349	2150349BLANK	06/25/2025	200	200
2150350	2150350LCS	06/25/2025	200	200
2150351	2150351MS	06/25/2025	250	250
2150352	2150352MSD	06/25/2025	250	250
70362495001	MW-4S	06/25/2025	250	250
70362495002	MW-4D2	06/25/2025	250	250
70362495003	SCDOH-DR	06/25/2025	250	250
70362495004	MW-10S	06/25/2025	250	250
70362495005	MW-10D	06/25/2025	250	250
70362495006	EQUIPMENT BLANK	06/25/2025	250	250

FORM XIII INORGANIC-1
ANALYSIS RUN LOG

Lab Name: Pace Analytical - New York SDG No. : 70362495 Contract: L2538805

Instrument ID: 70WETO Analysis Method: SM 4500-S2 F-2011

Start Date: 06/25/2025 13:56 End Date: 06/25/2025 15:53

Sample Name	Lab Sample ID	D/F	Date	Time	sulf
2150349BLANK	2150349	1	06/25/2025	13:56	X
2150350LCS	2150350	1	06/25/2025	13:56	X
70362344006	70362344006	1	06/25/2025	15:11	X
2150351MS	2150351	1	06/25/2025	15:18	X
2150352MSD	2150352	1	06/25/2025	15:24	X
MW-4S	70362495001	1	06/25/2025	15:39	X
MW-4D2	70362495002	1	06/25/2025	15:42	X
SCDOH-DR	70362495003	1	06/25/2025	15:45	X
MW-10S	70362495004	1	06/25/2025	15:47	X
MW-10D	70362495005	1	06/25/2025	15:50	X
EQUIPMENT BLANK	70362495006	1	06/25/2025	15:53	X



Prep Log Report

Batch Information: WET_SULFIDE_92243_6/25/25

4500S2F | Sulfide

Analysis Method	SM 4500-S2 F-2011
Starch Indicator Solution	204544

Instrument	70WE70
Reviewed By	SDO

Analyzed By	GEL
Reviewed By Date	07/15/2025 11:32

1:1 HCl	214628
Batch Notes	

Sample Information:

QC Rule	Sample Type	Lab Sample ID	Select	Initial Volume (mL)	Iodine 0.025N (mL)	Thio Start (mL)	Thio End (mL)	Sodium Thiosulfate 0.025N (g)	Sulfide	Units	Run Date/Time	Filtered	Glass Fiber Filters ()	Sample Notes
4500S2F W	BLANK	2150349	Y	200	209580 (5)	3.9	8.9	211172 (5.00)	0.00	mg/L	06/25/2025 13:56:25	Yes	188807 ()	
4500S2F W	LCS	2150350	Y	200	209580 (10)	8.9	11.9	211172 (3.00)	14.00	mg/L	06/25/2025 13:56:28	Yes	188807 ()	
4500S2F W	PS	70362344001	Y	250	209580 (5)	11.9	16.6	211172 (4.70)	0.48	mg/L	06/25/2025 14:10:52	Yes	188807 ()	
4500S2F W	PS	70362344002	Y	250	209580 (5)	16.8	21.8	211172 (5.00)	0.00	mg/L	06/25/2025 14:15:30	Yes	188807 ()	
4500S2F W	PS	70362344003	Y	250	209580 (5)	22.1	27	211172 (4.90)	0.16	mg/L	06/25/2025 14:22:14	Yes	188807 ()	
4500S2F W	PS	70362344004	Y	250	209580 (5)	27.8	32.8	211172 (5.00)	0.00	mg/L	06/25/2025 14:57:17	Yes	188807 ()	
4500S2F W	PS	70362344005	Y	250	209580 (5)	32.9	37.8	211172 (4.90)	0.16	mg/L	06/25/2025 15:05:07	Yes	188807 ()	
4500S2F W	RQS	70362344006	Y	250	209580 (5)	8.8	13.2	211172 (4.40)	0.96	mg/L	06/25/2025 15:11:47	Yes	188807 ()	
4500S2F W	MS	2150351	Y	250	209580 (5)	13.8	18.3	211172 (4.50)	0.80	mg/L	06/25/2025 15:18:11	Yes	188807 ()	
4500S2F W	MSD	2150352	Y	250	209580 (5)	13.3	17.8	211172 (4.50)	0.80	mg/L	06/25/2025 15:24:56	Yes	188807 ()	
4500S2F W	PS	70362344007	Y	250	209580 (5)	37.9	42.8	211172 (4.90)	0.16	mg/L	06/25/2025 15:30:57	Yes	188807 ()	
4500S2F W	PS	70362347003	Y	250	209580 (5)	42.8	47.7	211172 (4.90)	0.16	mg/L	06/25/2025 15:35:38	Yes	188807 ()	
4500S2F W	PS	70362495001	Y	250	209580 (5)	16.6	21.6	211172 (5.00)	0.00	mg/L	06/25/2025 15:39:22	Yes	188807 ()	
4500S2F W	PS	70362495002	Y	250	209580 (5)	21.7	26.7	211172 (5.00)	0.00	mg/L	06/25/2025 15:42:10	Yes	188807 ()	
4500S2F W	PS	70362495003	Y	250	209580 (5)	26.7	31.7	211172 (5.00)	0.00	mg/L	06/25/2025 15:45:01	Yes	188807 ()	
4500S2F W	PS	70362495004	Y	250	209580 (5)	31.7	36.7	211172 (5.00)	0.00	mg/L	06/25/2025 15:47:38	Yes	188807 ()	
4500S2F W	PS	70362495005	Y	250	209580 (5)	36.7	41.7	211172 (5.00)	0.00	mg/L	06/25/2025 15:50:17	Yes	188807 ()	
4500S2F W	PS	70362495006	Y	250	209580 (5)	41.7	46.7	211172 (5.00)	0.00	mg/L	06/25/2025 15:53:56	Yes	188807 ()	



Prep Log Report

QC Rule	Sample Type	Lab Sample ID	S-SPK (mL)
4500S2F W	BLANK	2150349	
4500S2F W	LCS	2150350	211939 (1)
4500S2F W	PS	70362344001	
4500S2F W	PS	70362344002	
4500S2F W	PS	70362344003	
4500S2F W	PS	70362344004	
4500S2F W	PS	70362344005	
4500S2F W	RQS	70362344006	
4500S2F W	MS	2150351	211939 (1)
4500S2F W	MSD	2150352	211939 (1)
4500S2F W	PS	70362344007	
4500S2F W	PS	70362347003	
4500S2F W	PS	70362495001	
4500S2F W	PS	70362495002	
4500S2F W	PS	70362495003	
4500S2F W	PS	70362495004	
4500S2F W	PS	70362495005	
4500S2F W	PS	70362495006	

Standard Notes:

211939: Wet Sulfide LCS/ Second Source 5mL



Analytical Data Package

Prepared by:

Pace Analytical Services

Pace Project No.: 50405484

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InOrganic

Ion Chromatography

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July 01, 2025

Jennifer Byrnes
Pace MA
Eight Walkup Drive
Westborough, MA 01581

RE: Project: L2538805
Pace Project No.: 50405484

Dear Jennifer Byrnes:

Enclosed are the analytical results for sample(s) received by the laboratory on June 24, 2025. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Indianapolis

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Tina Sayer
tina.sayer@pacelabs.com
(317)228-3127
Project Manager

Enclosures

cc: Pace MA, Pace MA



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: L2538805
Pace Project No.: 50405484

Pace Analytical Services Indianapolis

7726 Moller Road, Indianapolis, IN 46268
Illinois Accreditation #: 200074
Indiana Drinking Water Laboratory #: C-49-06
Kansas/TNI Certification #: E-10177
Kentucky UST Agency Interest #: 80226
Kentucky WW Laboratory ID #: 98019
Louisiana Certification #: 04076

Michigan Drinking Water Laboratory #9050
Oklahoma Laboratory #: 9204
Texas Certification #: T104704355
Washington Dept of Ecology #: C1081
Wisconsin Laboratory #: 999788130
USDA Foreign Soil Permit #: 525-23-13-23119
USDA Compliance Agreement #: IN-SL-22-001

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SAMPLE SUMMARY

Project: L2538805

Pace Project No.: 50405484

Lab ID	Sample ID	Matrix	Date Collected	Date Received
50405484001	MW-4S	Water	06/19/25 11:10	06/24/25 10:00
50405484002	MW-4D2	Water	06/19/25 11:05	06/24/25 10:00
50405484003	SCDOH-DR	Water	06/19/25 10:00	06/24/25 10:00
50405484004	MW-10S	Water	06/19/25 08:38	06/24/25 10:00
50405484005	MW-10D	Water	06/19/25 08:50	06/24/25 10:00
50405484006	EQUIPMENT BLANK	Water	06/19/25 12:00	06/24/25 10:00

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SAMPLE ANALYTE COUNT

Project: L2538805

Pace Project No.: 50405484

Lab ID	Sample ID	Method	Analysts	Analytes Reported
50405484001	MW-4S	EPA 9056	MTW	1
50405484002	MW-4D2	EPA 9056	MTW	1
50405484003	SCDOH-DR	EPA 9056	MTW	1
50405484004	MW-10S	EPA 9056	MTW	1
50405484005	MW-10D	EPA 9056	MTW	1
50405484006	EQUIPMENT BLANK	EPA 9056	MTW	1

PASI-I = Pace Analytical Services - Indianapolis

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ANALYTICAL RESULTS

Project: L2538805

Pace Project No.: 50405484

Sample: MW-4S		Lab ID: 50405484001		Collected: 06/19/25 11:10		Received: 06/24/25 10:00		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC		Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis							
Iodide	ND	mg/L	0.50	0.15	1		06/28/25 23:18		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: L2538805
Pace Project No.: 50405484

Sample: MW-4D2		Lab ID: 50405484002		Collected: 06/19/25 11:05		Received: 06/24/25 10:00		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC		Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis							
Iodide	ND	mg/L	0.50	0.15	1		06/28/25 23:38		

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ANALYTICAL RESULTS

Project: L2538805
Pace Project No.: 50405484

Sample: SCDOH-DR		Lab ID: 50405484003		Collected: 06/19/25 10:00		Received: 06/24/25 10:00		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC		Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis							
Iodide	ND	mg/L	0.50	0.15	1		06/28/25 23:57		

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ANALYTICAL RESULTS

Project: L2538805

Pace Project No.: 50405484

Sample: MW-10S		Lab ID: 50405484004		Collected: 06/19/25 08:38		Received: 06/24/25 10:00		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC									
Analytical Method: EPA 9056									
Pace Analytical Services - Indianapolis									
Iodide	ND	mg/L	0.50	0.15	1		06/29/25 00:16		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: L2538805
Pace Project No.: 50405484

Sample: MW-10D		Lab ID: 50405484005		Collected: 06/19/25 08:50		Received: 06/24/25 10:00		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC									
Analytical Method: EPA 9056 Pace Analytical Services - Indianapolis									
Iodide	ND	mg/L	0.50	0.15	1		06/29/25 00:35		

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: L2538805

Pace Project No.: 50405484

Sample: EQUIPMENT BLANK		Lab ID: 50405484006		Collected: 06/19/25 12:00		Received: 06/24/25 10:00		Matrix: Water	
Parameters	Results	Units	Report Limit	MDL	DF	Prepared	Analyzed	CAS No.	Qual
9056 Iodide by IC									
Analytical Method: EPA 9056									
Pace Analytical Services - Indianapolis									
Iodide	ND	mg/L	0.50	0.15	1		06/29/25 00:55		

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: L2538805

Pace Project No.: 50405484

QC Batch: 851349

Analysis Method: EPA 9056

QC Batch Method: EPA 9056

Analysis Description: 9056 Iodide by IC

Laboratory: Pace Analytical Services - Indianapolis

Associated Lab Samples: 50405484001, 50405484002, 50405484003, 50405484004, 50405484005, 50405484006

METHOD BLANK: 3899525

Matrix: Water

Associated Lab Samples: 50405484001, 50405484002, 50405484003, 50405484004, 50405484005, 50405484006

Parameter	Units	Blank Result	Reporting Limit	MDL	Analyzed	Qualifiers
Iodide	mg/L	ND	0.50	0.15	06/29/25 01:14	

LABORATORY CONTROL SAMPLE: 3899526

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Iodide	mg/L	5	5.1	101	80-120	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 3899527 3899528

Parameter	Units	50405253006 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Iodide	mg/L	ND	5	5	4.6	4.5	91	91	80-120	1	15	

Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: L2538805

Pace Project No.: 50405484

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: L2538805

Pace Project No.: 50405484

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
50405484001	MW-4S	EPA 9056	851349		
50405484002	MW-4D2	EPA 9056	851349		
50405484003	SCDOH-DR	EPA 9056	851349		
50405484004	MW-10S	EPA 9056	851349		
50405484005	MW-10D	EPA 9056	851349		
50405484006	EQUIPMENT BLANK	EPA 9056	851349		

REPORT OF LABORATORY ANALYSIS

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WO# : 50405484



50405484

Pace Job Number:

L2538805

Page 1

	Subcontract Chain of Custody Pace Analytical (Indianapolis, IN) 7726 Moller Road Indianapolis, IN 46268	

Client Information	Project Information	Regulatory Requirements/Report Limits
Client: Pace Analytical Labs Address: Eight Walkup Drive Westborough, MA 01581-1019 Report To: west.subreports@pacelabs.com Bill To: invoices@pacelabs.coupa.com Phone: 716.427.5228 Email: Jennifer.Byrnes@pacelabs.com	Project Location: NY Project Manager: Jennifer Byrnes Turnaround & Deliverables Information Due Date: Deliverables: ASP Category B Deliverables (Level 4)	State/Federal Program: Regulatory Criteria: Report to MDL

Project Specific Requirements and/or Report Requirements	
Reference following Pace Job Number on final report/deliverables: L2538805	Report to include Method and/or Regulatory required batch QC
Additional Comments: Profile # 11706: needs L4 and EDD 265 NY EQUIS	

Lab ID	Pace ID	Client ID	Collection Date/Time	Sample Matrix	Analysis	Sample Level Comments	Sample Specific QC	Container Count
	L2538805-01	MW-4S	06-19-25 11:10	WATER	Iodide EPA 9056			1
	L2538805-02	MW-4D2	06-19-25 11:05	WATER	Iodide EPA 9056			1
	L2538805-03	SCDOH-DR	06-19-25 10:00	WATER	Iodide EPA 9056			1
	L2538805-04	MW-10S	06-19-25 08:38	WATER	Iodide EPA 9056			1
	L2538805-05	MW-10D	06-19-25 08:50	WATER	Iodide EPA 9056			1
	L2538805-06	EQUIPMENT BLANK	06-19-25 12:00	Equipment Blank	Iodide EPA 9056			1

Form No: AL_subcoc	Relinquished By:	Date/Time:	Received By:	Date/Time:
	<i>[Signature]</i>	6/23/25	<i>[Signature]</i>	6/24/25 10:00



SAMPLE CONDITION UPON RECEIPT FORM

Date/Time and Initials of person examining contents: MM 1612 06.24.25

1. <u>Thermometer:</u> 1 2 3 4 5 6 7 8 9 A B C D E F <u>G</u> H I		3. Packing Material: Bubble Wrap ☐ Bubble Bags ☐ Other <u>black trash bag</u>	
2. <u>Cooler Temperature(s):</u> <u>0.9/0.7</u> (Initial/Corrected) RECORD TEMPS OF ALL COOLERS RECEIVED (use Comments below to add more)		4. Ice Type: Wet ☐ Blue ☐ None ☐	
3. Was the PM notified of out of temp cooler?: (leave blank if samples are in temp) Yes ☐ No ☐		5. Courier: <u>Fed Ex</u> UPS ☐ Client ☐ Pace ☐ Now/Jett ☐ Other ☐	
Cooler temp should be above freezing to 6°C If the PM was contacted in the comments below, please write how they instructed the project to proceed		6. Custody Seal on Cooler/Box Present: <u>Yes</u> No ☐ (If yes) Seals Intact: <u>Yes</u> No ☐ (leave blank if no seals were present)	

All discrepancies will be written out in the comments section below.

	Yes	No		Yes	No	N/A
USDA Regulated Soils? (HI, ID, NY, WA, OR, CA, NM, TX, OK, AR, LA, TN, AL, MS, NC, SC, GA, FL, or Puerto Rico)		☒	All containers needing acid/base preservation have been pH CHECKED?: Exceptions: VOA, coliform, LLHg, O&G, RAD CHEM, and any container with a septum cap or preserved with HCl. Circle: HNO3 (<2) H2SO4 (<2) NaOH (>10) NaOH/ZnAc (>9) Any non-conformance to pH recommendations will be noted on the container count form			☒
Short Hold Time Analysis (48 hours or less)? Analysis:		☒				
Time 5035A TC placed in Freezer or Short Holds To Lab Time:			Residual Chlorine Check (SVOC 625 Pest/PCB 608)	<u>Present</u>	<u>Absent</u>	<u>N/A</u>
Rush TAT Requested (4 days or less):		☒	Residual Chlorine Check (Total/Amenable/Free Cyanide)			☒
Custody Signatures Present?	☒		Headspace in VOA Vials (>6mm): See Container Count form for details	<u>Present</u>	<u>Absent</u>	<u>No VOA Vials Sent</u>
Containers Intact?:	☒		Trip Blank Present?		☒	
Sample Label (IDs/Dates/Times) Match COC?: Except TCs, which only require sample ID	☒		Trip Blank Custody Seals?:			
Comments:			Extra labels on Terracore Vials? (soils only)			

Sample Container Count

** Place a PINK dot on containers

that are out of conformance **

COC Line Item	WG <u>F</u> U	WG <u>K</u> U	BG <u>1</u> U	MeOH (only)	DG <u>9</u> H	VG <u>9</u> H	VOA VIAL HS (>6mm)	VG <u>9</u> U	DG <u>9</u> U	VG <u>9</u> T	AMBER GLASS							PLASTIC							OTHER			Matrix																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																													
				SBS							AG <u>0</u> U	AG <u>1</u> H	AG <u>1</u> U	AG <u>3</u> U	AG <u>3</u> S	AG <u>3</u> SF	AG <u>3</u> B	BP <u>1</u> U	BP <u>1</u> N	BP <u>2</u> U	BP <u>3</u> U	BP <u>3</u> N	BP <u>3</u> F	BP <u>3</u> S	BP <u>3</u> B	BP <u>3</u> Z	CG <u>3</u> H		CG <u>3</u> F	Syringe Kit																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																											
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Container Codes

Glass				Plastic			
DG9H	40mL HCl amber vial	BG1T	1L Na Thiosulfate clear glass	BP1B	1L NaOH plastic	NT3U	Non Teflon 250mL unpreserved plastic
DG9P	40mL TSP amber vial	BG1U	1L unpreserved glass	BP1N	1L HNO3 plastic	BP4U	125mL unpreserved plastic
DG9S	40mL H2SO4 amber vial	CG3H	250mL HCl Clear Glass	BP1S	1L H2SO4 plastic	BP4N	125mL HNO3 plastic
DG9T	40mL Na Thio amber vial	CG3U	250mL Unpres Clear Glass	BP1U	1L unpreserved plastic	BP4S	125mL H2SO4 plastic
DG9U	40mL unpreserved amber vial	AG0U	100mL unpres amber glass	BP1Z	1L NaOH, Zn, Ac	Miscellaneous	
VG9H	40mL HCl clear vial	AG1H	1L HCl amber glass	BP2N	500mL HNO3 plastic		
VG9T	40mL Na Thio, clear vial	AG1S	1L H2SO4 amber glass	BP2C	500mL NaOH plastic	Syringe Kit	LL Cr+6 sampling kit
VG9U	40mL unpreserved clear vial	AG1T	1L Na Thiosulfate amber glass	BP2S	500mL H2SO4 plastic	ZPLC	Ziploc Bag
I	40mL w/hexane wipe vial	AG1U	1liter unpres amber glass	BP2U	500mL unpreserved plastic	R	Terracore Kit
WGKU	8oz unpreserved clear jar	AG2N	500mL HNO3 amber glass	BP2Z	500mL NaOH, Zn Ac	SP5T	120mL Coliform Sodium Thiosulfate
WGFU	4oz clear soil jar	AG2S	500mL H2SO4 amber glass	BP3B	250mL NaOH plastic	GN	General Container
JGFU	4oz unpreserved amber wide	AG2U	500mL unpres amber glass	BP3N	250mL HNO3 plastic	U	Summa Can (air sample)
CG3H	250mL clear glass HCl	AG3S	250mL H2SO4 amber glass	BP3F	250mL HNO3 plastic-field filtered	WT	Water
CG3F	250mL clear glass HCl, Field Filter	AG3SF	250mL H2SO4 amb glass -field filtered	BP3U	250mL unpreserved plastic	SL	Solid
BG1H	1L HCl clear glass	AG3U	250mL unpres amber glass	BP3S	250mL H2SO4 plastic	OL	Oil
BG1S	1L H2SO4 clear glass	AG3B	250mL NaOH amber glass	BP3Z	250mL NaOH, ZnAc plastic	NAL	Non-aqueous liquid
						WP	Wipe

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-4S

Lab Name: Pace Analytical - Indiana SDG No. : 50405484 Contract: L2538805
Lab Sample ID: 50405484001 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Iodide	ND	U	mg/L	1	06/28/2025 23:18

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-4D2

Lab Name: Pace Analytical - Indiana SDG No. : 50405484 Contract: L2538805
Lab Sample ID: 50405484002 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Iodide	ND	U	mg/L	1	06/28/2025 23:38

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

SCDOH-DR

Lab Name: Pace Analytical - Indiana SDG No. : 50405484 Contract: L2538805
Lab Sample ID: 50405484003 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Iodide	ND	U	mg/L	1	06/28/2025 23:57

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-10S

Lab Name: Pace Analytical - Indiana SDG No. : 50405484 Contract: L2538805
Lab Sample ID: 50405484004 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Iodide	ND	U	mg/L	1	06/29/2025 00:16

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

MW-10D

Lab Name: Pace Analytical - Indiana SDG No. : 50405484 Contract: L2538805
Lab Sample ID: 50405484005 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Iodide	ND	U	mg/L	1	06/29/2025 00:35

FORM I INORGANIC-1
INORGANIC ANALYSIS DATA SHEET

SAMPLE NO.

EQUIPMENT BLANK

Lab Name: Pace Analytical - Indiana SDG No. : 50405484 Contract: L2538805
Lab Sample ID: 50405484006 Percent Moisture: _____

CAS No.	Analyte	Concentration	Q	Units	DF	Analysis Date/Time
	Iodide	ND	U	mg/L	1	06/29/2025 00:55

FORM II INORGANIC-1
INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Pace Analytical - Indiana SDG No. : 50405484 Contract: L2538805

Initial Calibration Verification Source: 412748

Continuing Calibration Verification Source: 412749

Concentration Units: mg/L Instrument ID: 50IC04

	Initial Calibration Verification				Continuing Calibration Verification						
	04/11/2025 09:03				06/28/2025 22:20			06/29/2025 01:53			Control Limit
Analyte	True	Found	%R	Control Limit	True	Found	%R	True	Found	%R	
Iodide	5.0	5.1	102.5	90-110	1.0	1.1	108.7	1.0	0.93	93.1	90-110

FORM III INORGANIC-1
BLANKS

Lab Name: Pace Analytical - Indiana SDG No. : 50405484 Contract : L2538805

Method Blank Matrix: Water Instrument ID: 50IC04

Method Blank Concentration Units: mg/L

Analyte	Initial Calibration Blank (mg/L)		Continuing Calibration Blank (mg/L)						Method Blank	
	04/11/2025 09:22	C	06/28/2025 22:40	C	06/29/2025 02:12	C		C	3899525	C
Iodide	0.034	U	0.034	U	0.034	U			ND	U

FORM V INORGANIC-1
MATRIX SPIKE SAMPLE RECOVERY

SAMPLE NO.

3899527MS

Lab Name: Pace Analytical - Indiana SDG No. : 50405484 Contract: L2538805

Matrix: Water Basis: Wet Parent Sample ID: 50405253006

Percent Moisture: _____

Analyte	Units	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R
Iodide	mg/L	80-120	4.6	ND	5.0	91

FORM V INORGANIC-2
MATRIX SPIKE SAMPLE RECOVERY

SAMPLE NO.

3899528MSD

Lab Name: Pace Analytical - Indiana SDG No. : 50405484 Contract: L2538805

Matrix: Water Basis: Wet Parent Sample ID: 50405253006

Percent Moisture: _____

Analyte	Units	Control Limit %R	Spiked Sample Result (SSR)	Sample Result (SR)	Spike Added (SA)	%R
Iodide	mg/L	80-120	4.5	ND	5.0	91

FORM VI INORGANIC-1
DUPLICATES

3899528MSD

Lab Name: Pace Analytical - Indiana SDG No. : 50405484 Contract: L2538805Matrix: Water Concentration Units: mg/LPercent Moisture: Basis: Wet

Analyte	RPD Control Limit	Sample	Duplicate	RPD
Iodide	15	4.6	4.5	1

FORM VII INORGANIC-1
LABORATORY CONTROL SAMPLE

SAMPLE NO.

3899526LCS

Lab Name: Pace Analytical - Indiana SDG No. : 50405484 Contract: L2538805

Matrix: Water

Analyte	Units	True	Found	%R	Limits	
Iodide	mg/L	5.0	5.1	101	80	120

FORM XII INORGANIC-1
PREPARATION LOG

Lab Name: Pace Analytical - Indiana SDG No. : 50405484 Contract: L2538805

Preparation Method: EPA 9056 Batch: GCSV 61062

Lab Sample ID	Sample Name	Preparation Date	Initial Volume (mL)	Final Volume (mL)
3899525	3899525BLANK	06/29/2025	10	10
3899526	3899526LCS	06/29/2025	10	10
3899527	3899527MS	06/28/2025	10	10
3899528	3899528MSD	06/28/2025	10	10
50405484001	MW-4S	06/28/2025	10	10
50405484002	MW-4D2	06/28/2025	10	10
50405484003	SCDOH-DR	06/28/2025	10	10
50405484004	MW-10S	06/29/2025	10	10
50405484005	MW-10D	06/29/2025	10	10
50405484006	EQUIPMENT BLANK	06/29/2025	10	10

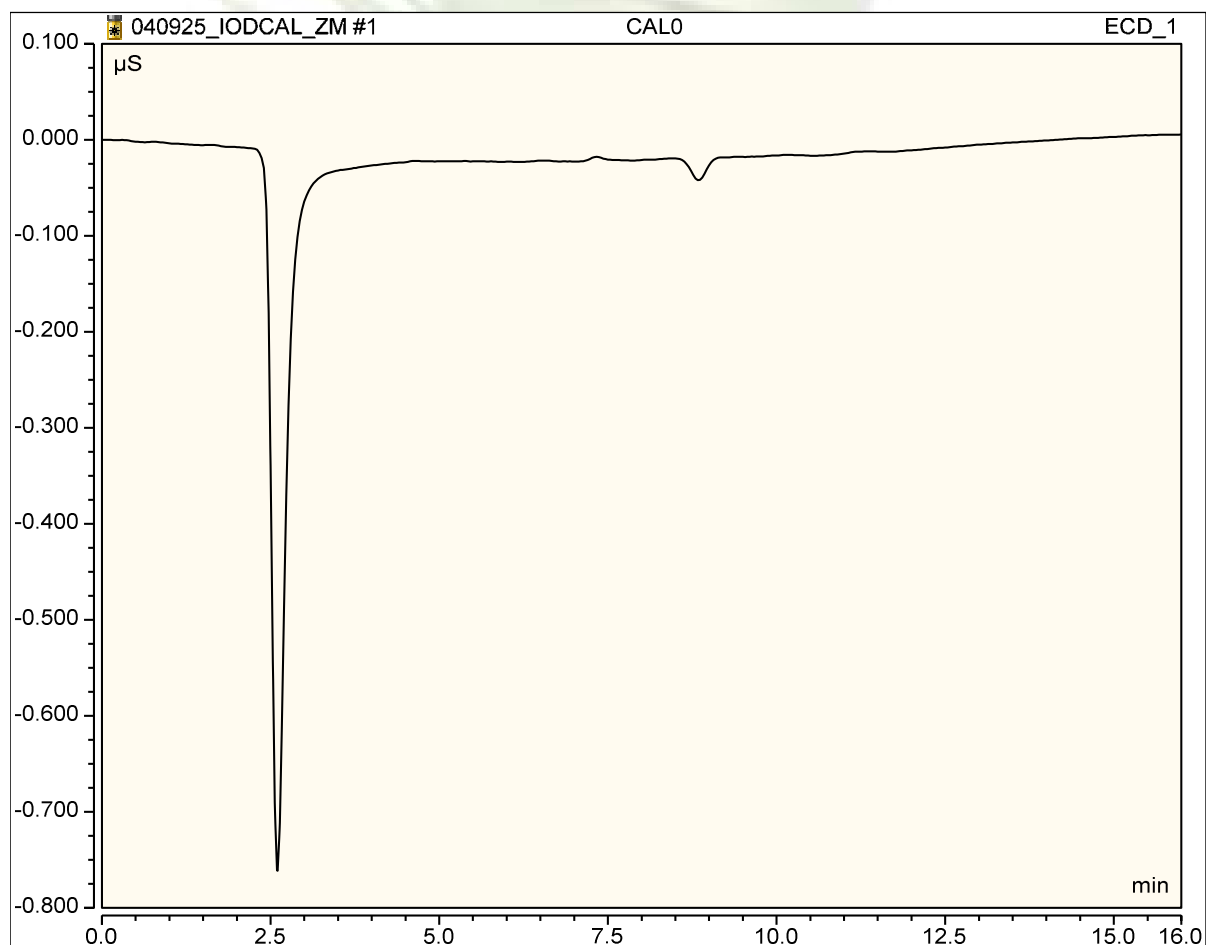
FORM XIII INORGANIC-1
ANALYSIS RUN LOG

Lab Name: Pace Analytical - Indiana SDG No. : 50405484 Contract: L2538805
Instrument ID: 50IC04 Analysis Method: EPA 9056
Start Date: 04/09/2025 15:04 End Date: 06/29/2025 02:12

Sample Name	Lab Sample ID	D/F	Date	Time	iodi
26697031CAL0	26697031CAL0	1	04/09/2025	15:04	X
26697032CAL1	26697032CAL1	1	04/09/2025	15:24	X
26697033CAL2	26697033CAL2	1	04/09/2025	15:43	X
26697034CAL3	26697034CAL3	1	04/09/2025	16:02	X
26697035CAL4	26697035CAL4	1	04/09/2025	16:21	X
26697036CAL5	26697036CAL5	1	04/09/2025	16:41	X
26697039ICV	26697039ICV	1	04/11/2025	09:03	X
26697040ICB	26697040ICB	1	04/11/2025	09:22	X
50405253006	50405253006	1	06/28/2025	21:23	X
3899527MS	3899527	1	06/28/2025	21:42	X
3899528MSD	3899528	1	06/28/2025	22:01	X
27183231CCV	27183231CCV	1	06/28/2025	22:20	X
27183232CCB	27183232CCB	1	06/28/2025	22:40	X
MW-4S	50405484001	1	06/28/2025	23:18	X
MW-4D2	50405484002	1	06/28/2025	23:38	X
SCDOH-DR	50405484003	1	06/28/2025	23:57	X
MW-10S	50405484004	1	06/29/2025	00:16	X
MW-10D	50405484005	1	06/29/2025	00:35	X
EQUIPMENT BLANK	50405484006	1	06/29/2025	00:55	X
3899525BLANK	3899525	1	06/29/2025	01:14	X
3899526LCS	3899526	1	06/29/2025	01:33	X
27183233CCV	27183233CCV	1	06/29/2025	01:53	X
27183234CCB	27183234CCB	1	06/29/2025	02:12	X

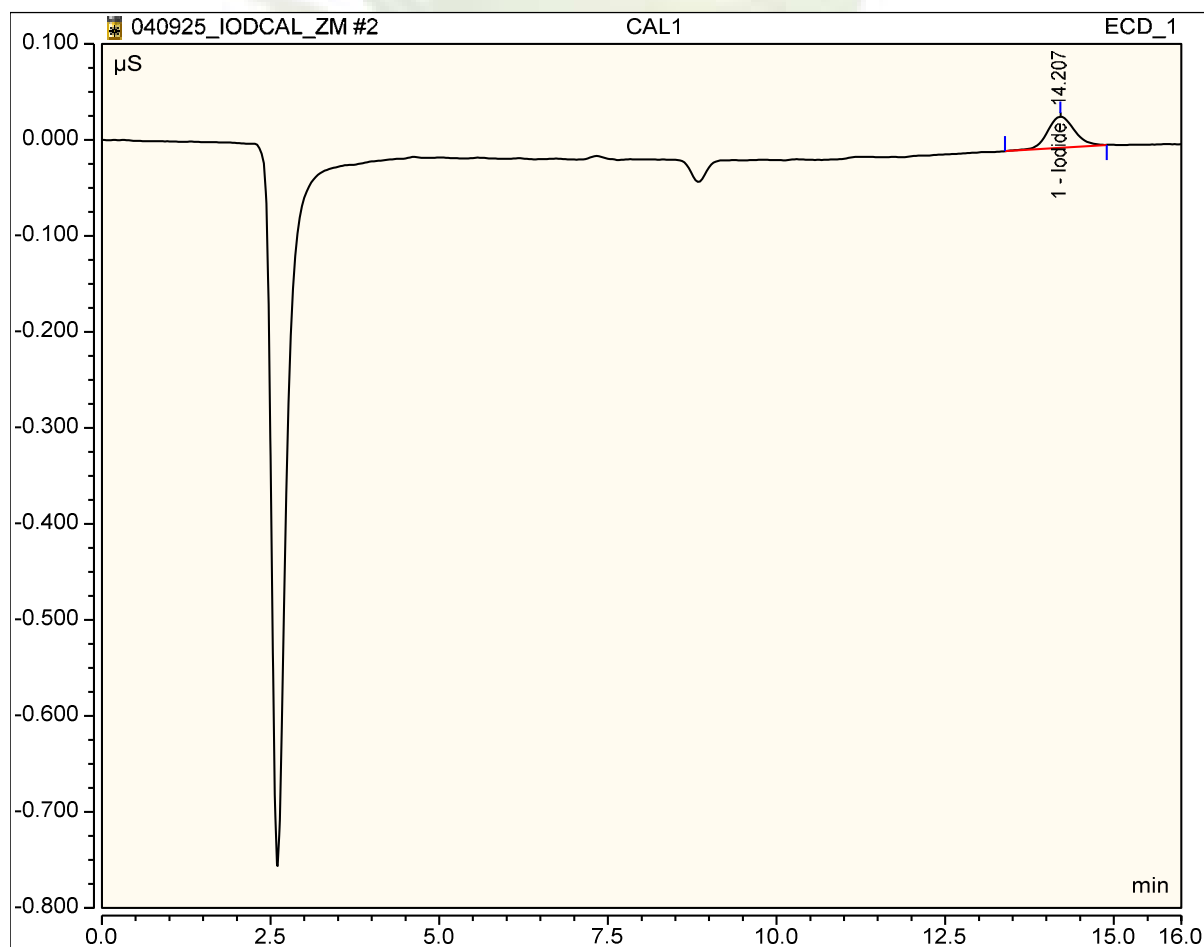
CAL0			
412755			
Sample Name:	CAL0	Injection Volume (uL):	25.00
Vial Number:	RA1	Channel:	ECD_1
Sample Type:	Calibration Standard	Calibration:	04/10/25 16:14
Control Program:	50IC04IOD	Eluent Stock:	412167
Quantif. Method:	CAL_IODIDE04	Dilution Factor	1.0000
Recording Time:	04/09/2025 15:04	Sample Weight:	1.0000
Run Time (min):	16.00	System Name:	50IC04

No.	Retention Time min	Name	Amount n.a.	Area $\mu\text{S}\cdot\text{min}$	Height μS	Type
-----	-----------------------	------	----------------	--------------------------------------	-------------------------	------



CAL1			
412754			
Sample Name:	CAL1	Injection Volume (uL):	25.00
Vial Number:	RA2	Channel:	ECD_1
Sample Type:	Calibration Standard	Calibration:	04/10/25 16:14
Control Program:	50IC04IOD	Eluent Stock:	412167
Quantif. Method:	CAL_IODIDE04	Dilution Factor	1.0000
Recording Time:	04/09/2025 15:24	Sample Weight:	1.0000
Run Time (min):	16.00	System Name:	50IC04

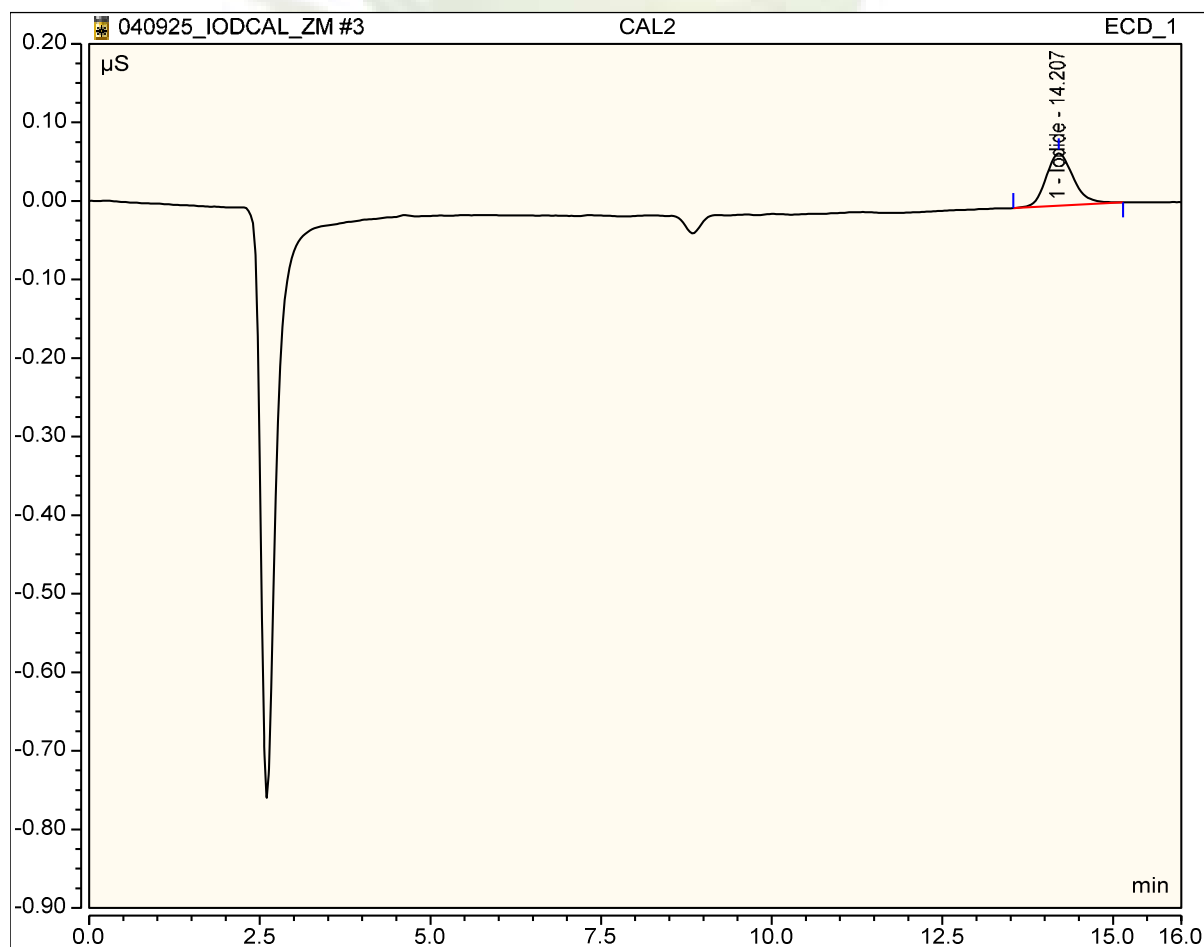
No.	Retention Time min	Name	Amount mg/L	Area μS*min	Height μS	Type
1	14.21	Iodide	0.5012	0.015	0.032	BMB



CAL2 412753

Sample Name:	CAL2	Injection Volume (uL):	25.00
Vial Number:	RA3	Channel:	ECD_1
Sample Type:	Calibration Standard	Calibration:	04/10/25 16:14
Control Program:	50IC04IOD	Eluent Stock:	412167
Quantif. Method:	CAL_IODIDE04	Dilution Factor	1.0000
Recording Time:	04/09/2025 15:43	Sample Weight:	1.0000
Run Time (min):	16.00	System Name:	50IC04

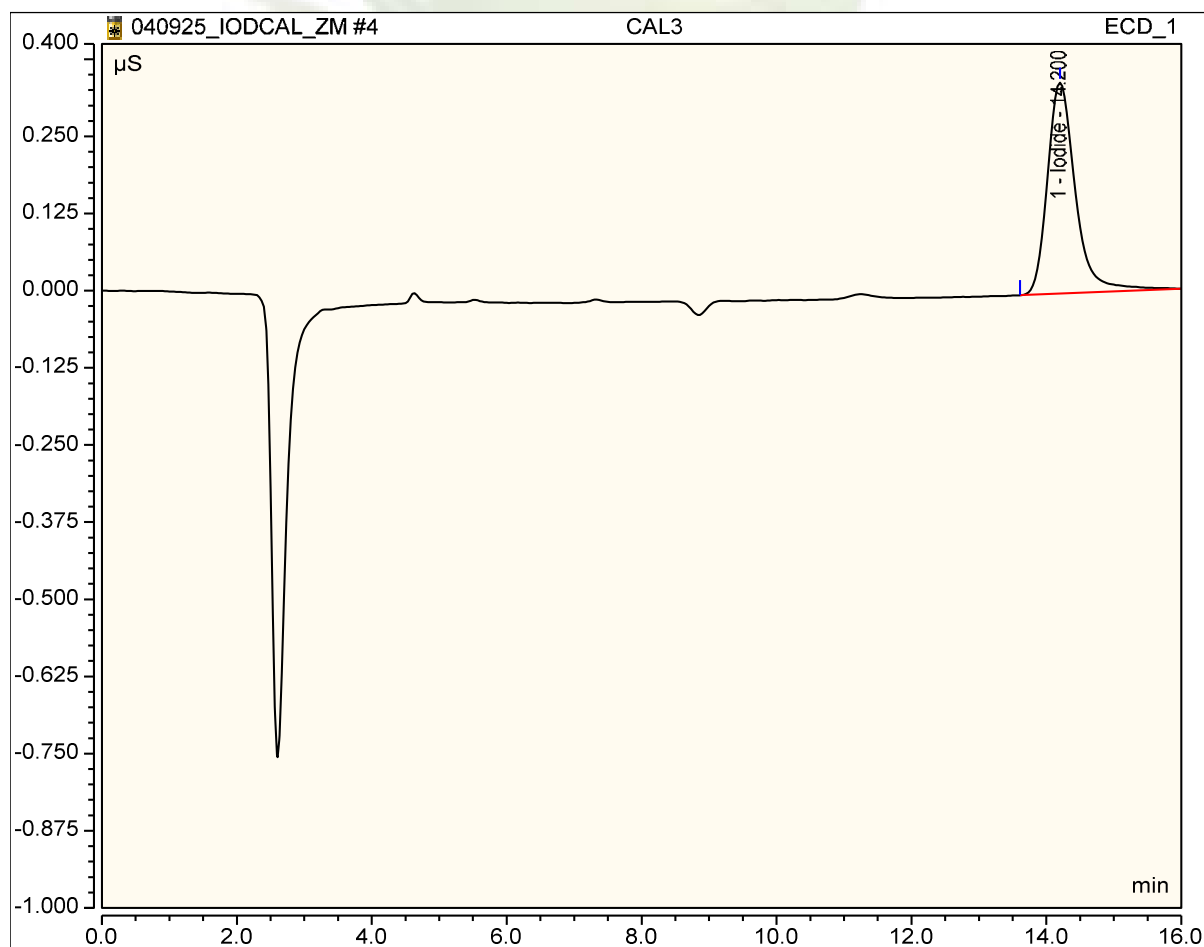
No.	Retention Time min	Name	Amount mg/L	Area μS*min	Height μS	Type
1	14.21	Iodide	0.9935	0.031	0.067	BMB



CAL3 412752

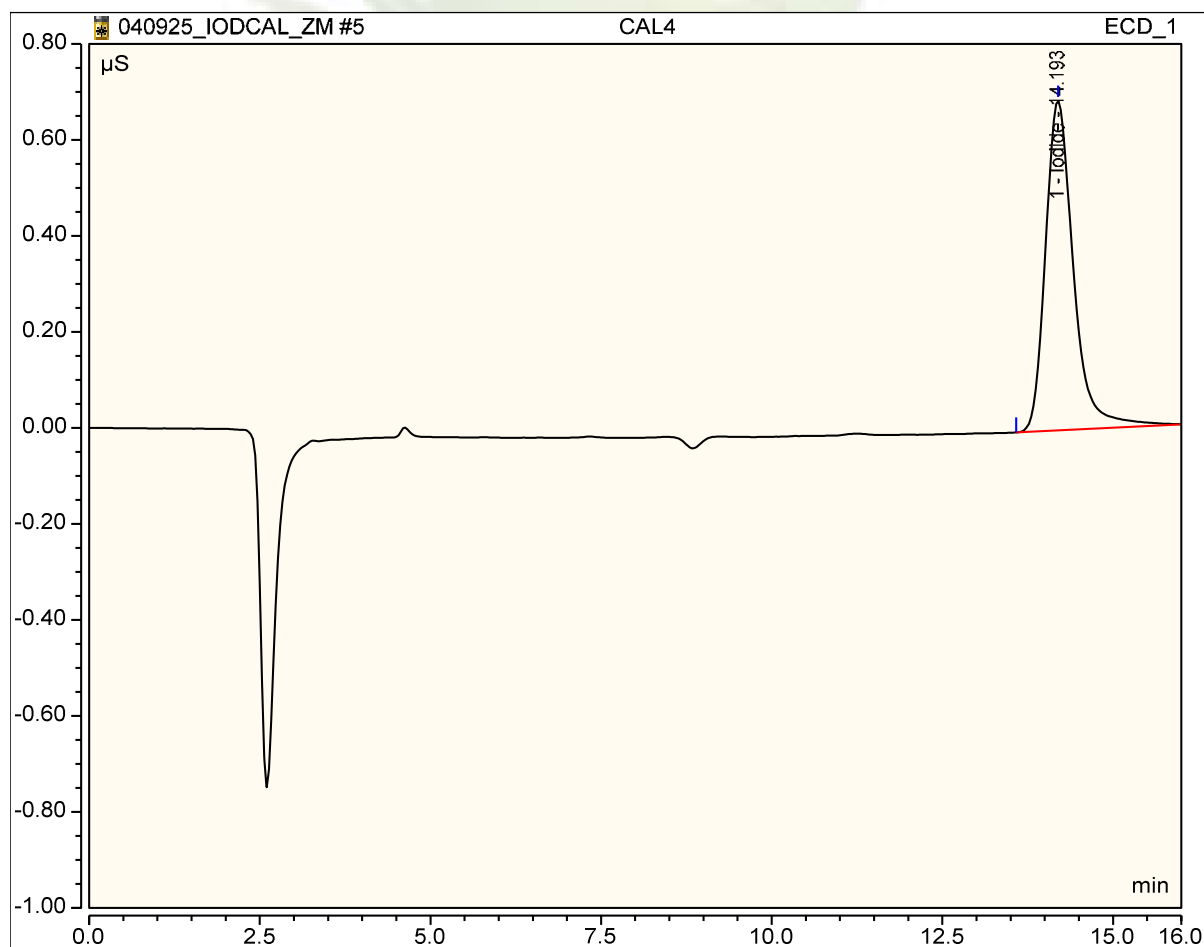
Sample Name:	CAL3	Injection Volume (uL):	25.00
Vial Number:	RA4	Channel:	ECD_1
Sample Type:	Calibration Standard	Calibration:	04/10/25 16:14
Control Program:	50IC04IOD	Eluent Stock:	412167
Quantif. Method:	CAL_IODIDE04	Dilution Factor	1.0000
Recording Time:	04/09/2025 16:02	Sample Weight:	1.0000
Run Time (min):	16.00	System Name:	50IC04

No.	Retention Time min	Name	Amount mg/L	Area $\mu\text{S}\cdot\text{min}$	Height μS	Type
1	14.20	Iodide	5.0400	0.163	0.342	BMB



CAL4			
412751			
Sample Name:	CAL4	Injection Volume (uL):	25.00
Vial Number:	RA5	Channel:	ECD_1
Sample Type:	Calibration Standard	Calibration:	04/10/25 16:14
Control Program:	50IC04IOD	Eluent Stock:	412167
Quantif. Method:	CAL_IODIDE04	Dilution Factor	1.0000
Recording Time:	04/09/2025 16:21	Sample Weight:	1.0000
Run Time (min):	16.00	System Name:	50IC04

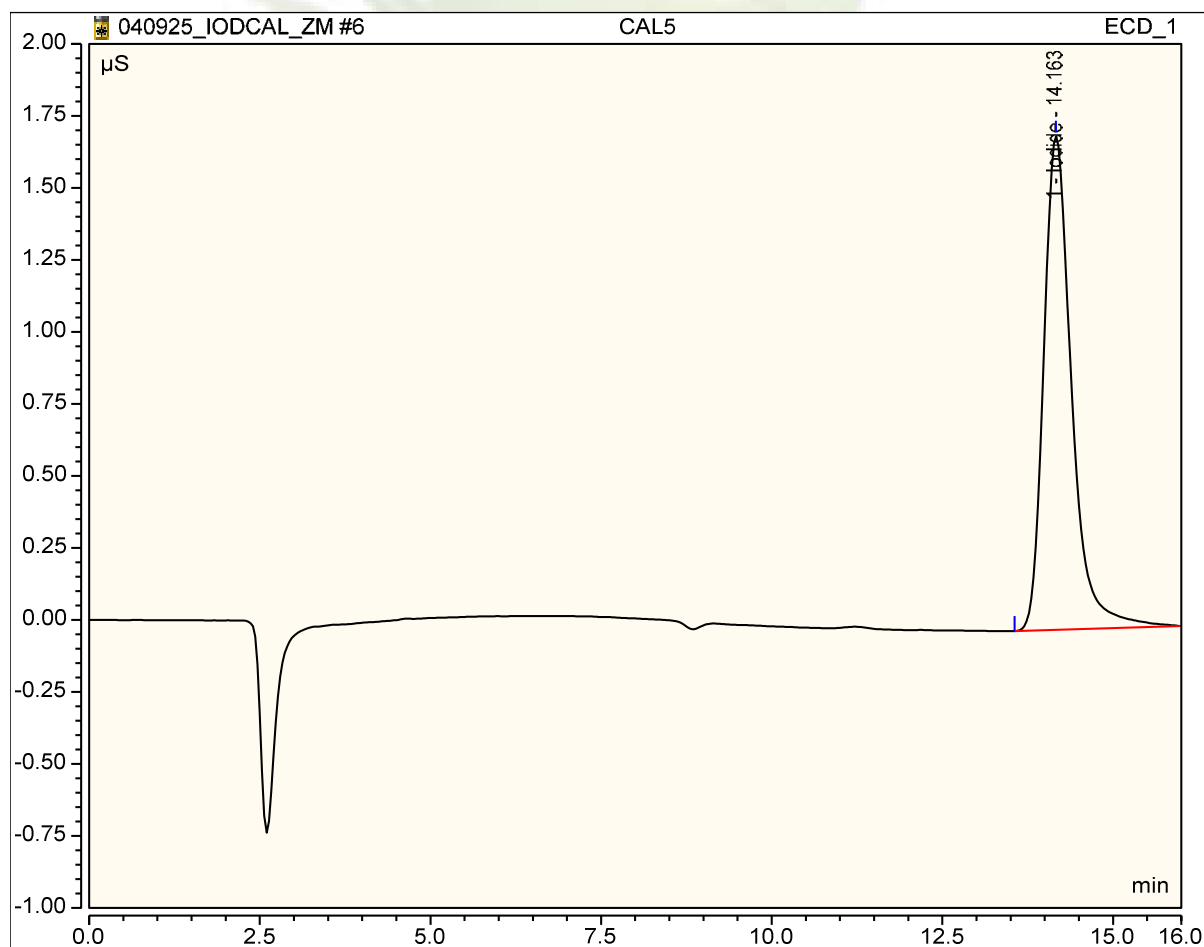
No.	Retention Time min	Name	Amount mg/L	Area μS*min	Height μS	Type
1	14.19	Iodide	10.0144	0.326	0.687	BMB



CAL5 **412750**

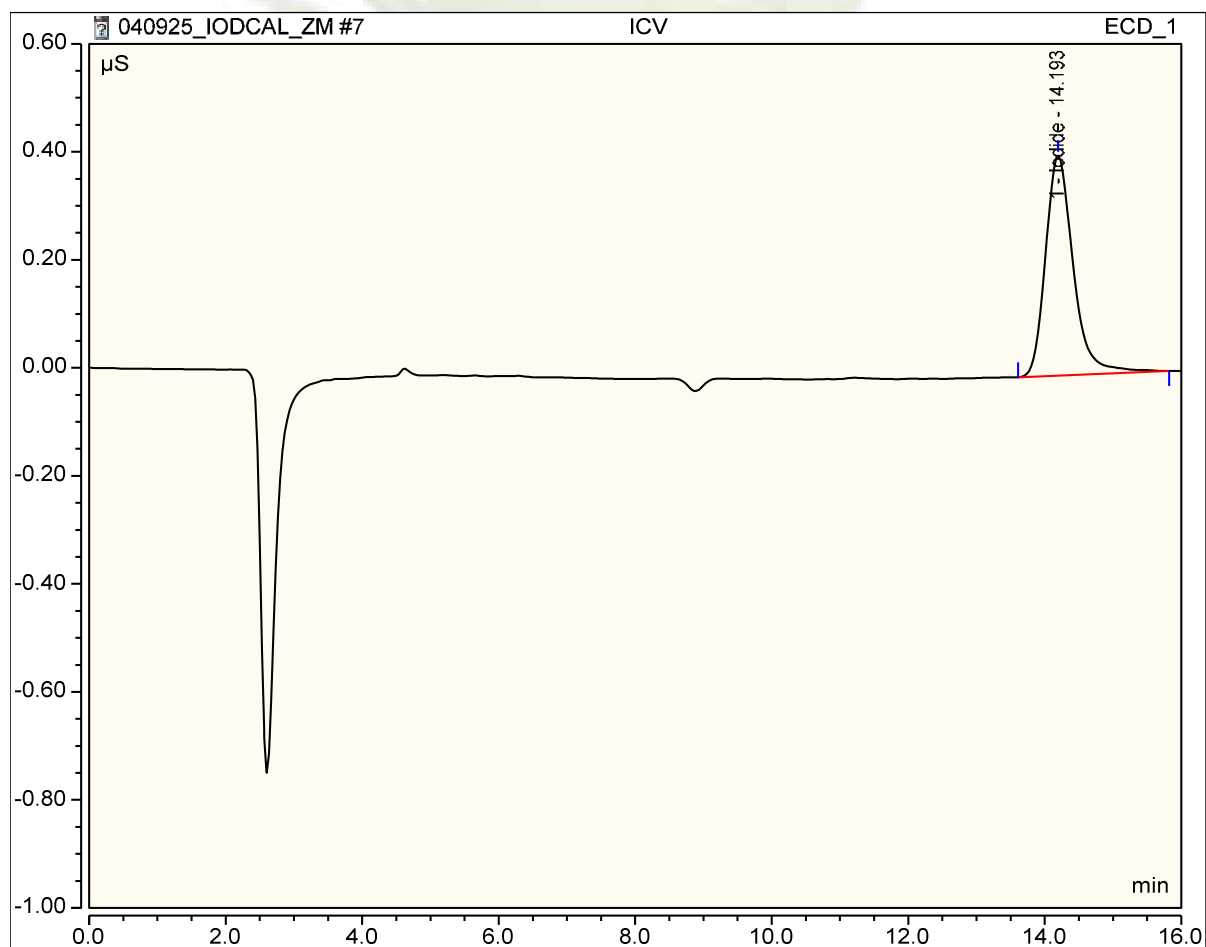
Sample Name:	CAL5	Injection Volume (uL):	25.00
Vial Number:	RA6	Channel:	ECD_1
Sample Type:	Calibration Standard	Calibration:	04/10/25 16:14
Control Program:	50IC04IOD	Eluent Stock:	412167
Quantif. Method:	CAL_IODIDE04	Dilution Factor	1.0000
Recording Time:	04/09/2025 16:41	Sample Weight:	1.0000
Run Time (min):	16.00	System Name:	50IC04

No.	Retention Time min	Name	Amount mg/L	Area $\mu\text{S}\cdot\text{min}$	Height μS	Type
1	14.16	Iodide	24.8642	0.811	1.715	BMB



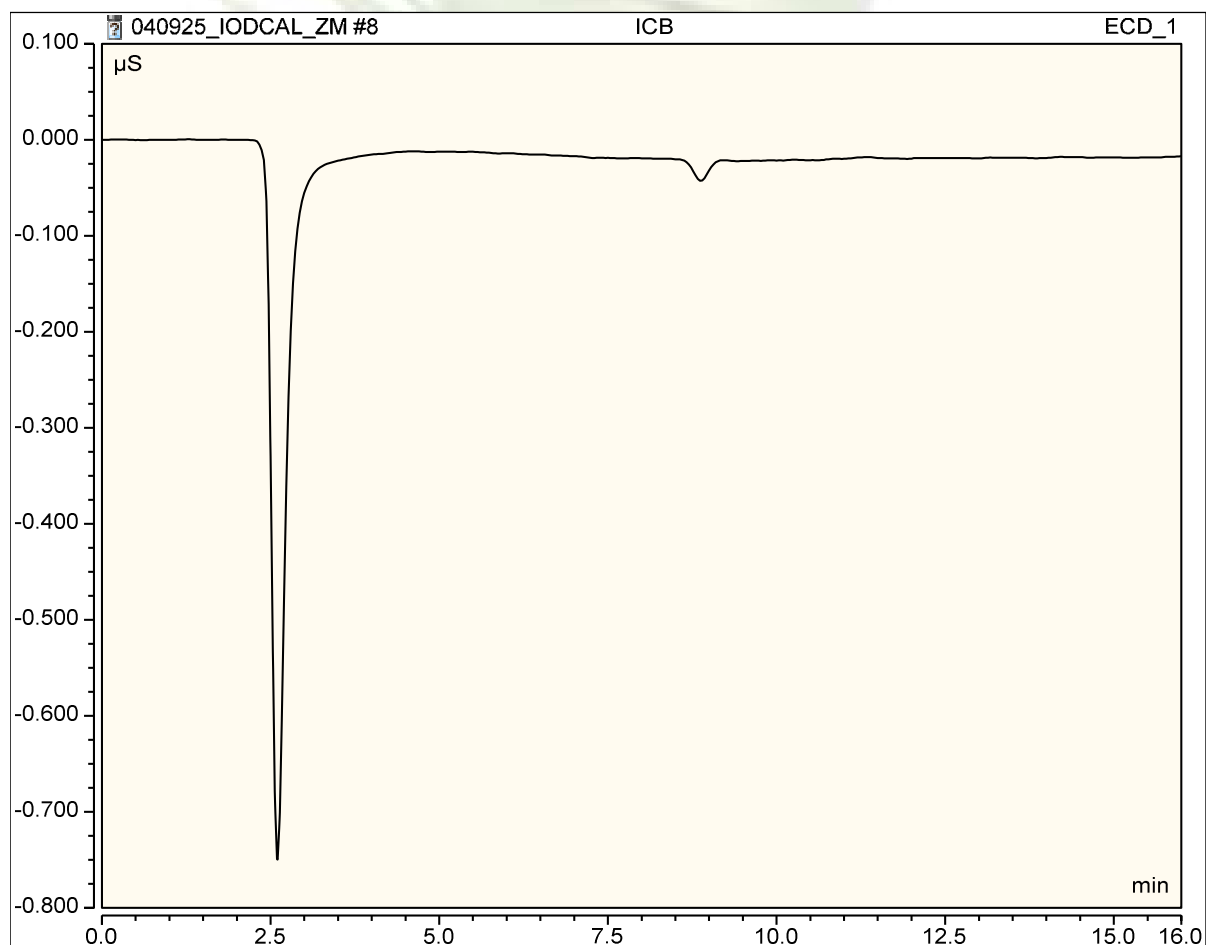
ICV			
412748			
Sample Name:	ICV	Injection Volume (uL):	25.00
Vial Number:	B3	Channel:	ECD_1
Sample Type:	Unknown	Calibration:	04/10/25 16:14
Control Program:	50IC04IOD	Eluent Stock:	412167
Quantif. Method:	CAL_IODIDE04	Dilution Factor	1.0000
Recording Time:	04/09/2025 17:00	Sample Weight:	1.0000
Run Time (min):	16.00	System Name:	50IC04

No.	Retention Time min	Name	Amount mg/L	Area $\mu\text{S}\cdot\text{min}$	Height μS	Type
1	14.19	Iodide	5.9063	0.192	0.408	BMB



ICB			
340111			
Sample Name:	ICB	Injection Volume (uL):	25.00
Vial Number:	B1	Channel:	ECD_1
Sample Type:	Unknown	Calibration:	04/10/25 16:14
Control Program:	50IC04IOD	Eluent Stock:	412167
Quantif. Method:	CAL_IODIDE04	Dilution Factor	1.0000
Recording Time:	04/09/2025 17:19	Sample Weight:	1.0000
Run Time (min):	16.00	System Name:	50IC04

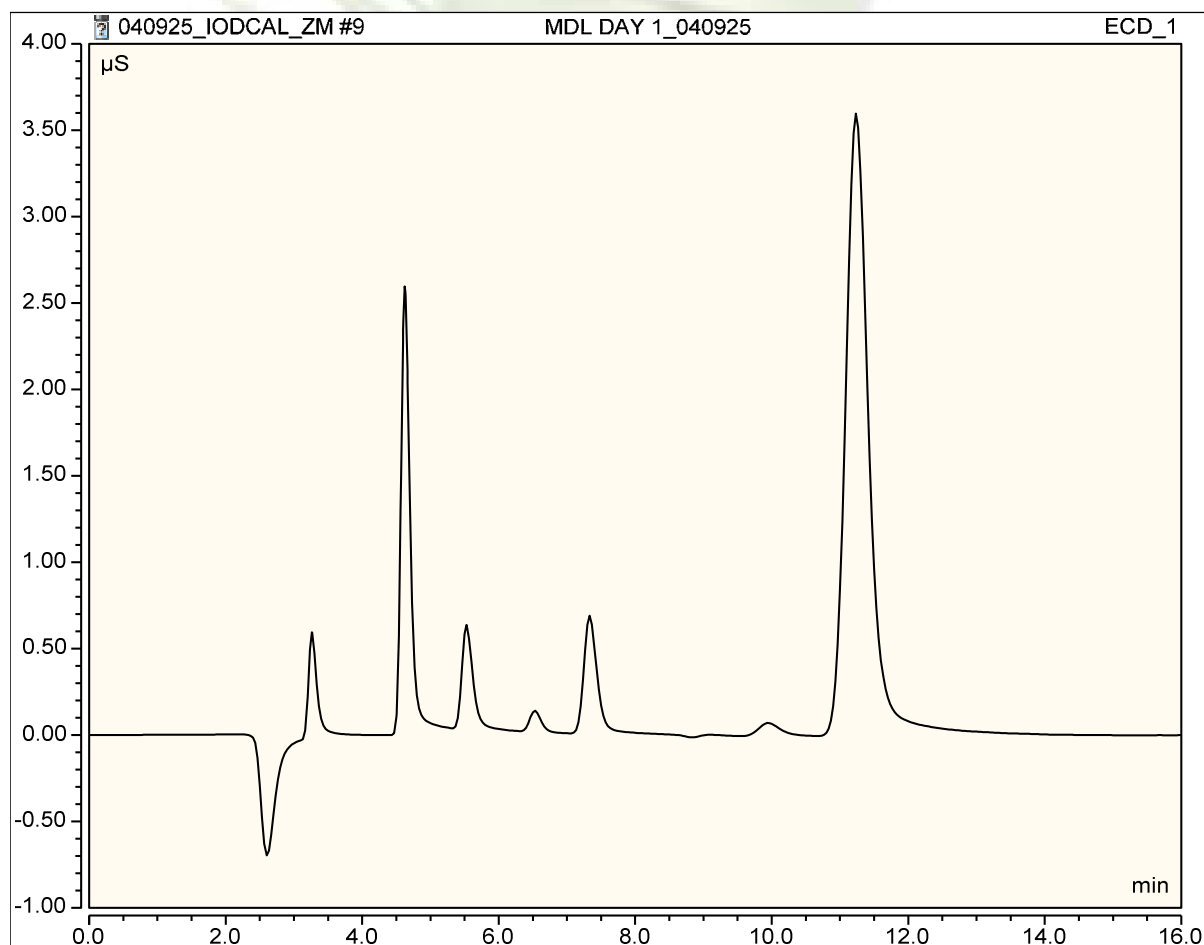
No.	Retention Time min	Name	Amount n.a.	Area $\mu\text{S}\cdot\text{min}$	Height μS	Type
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MDL DAY 1_040925

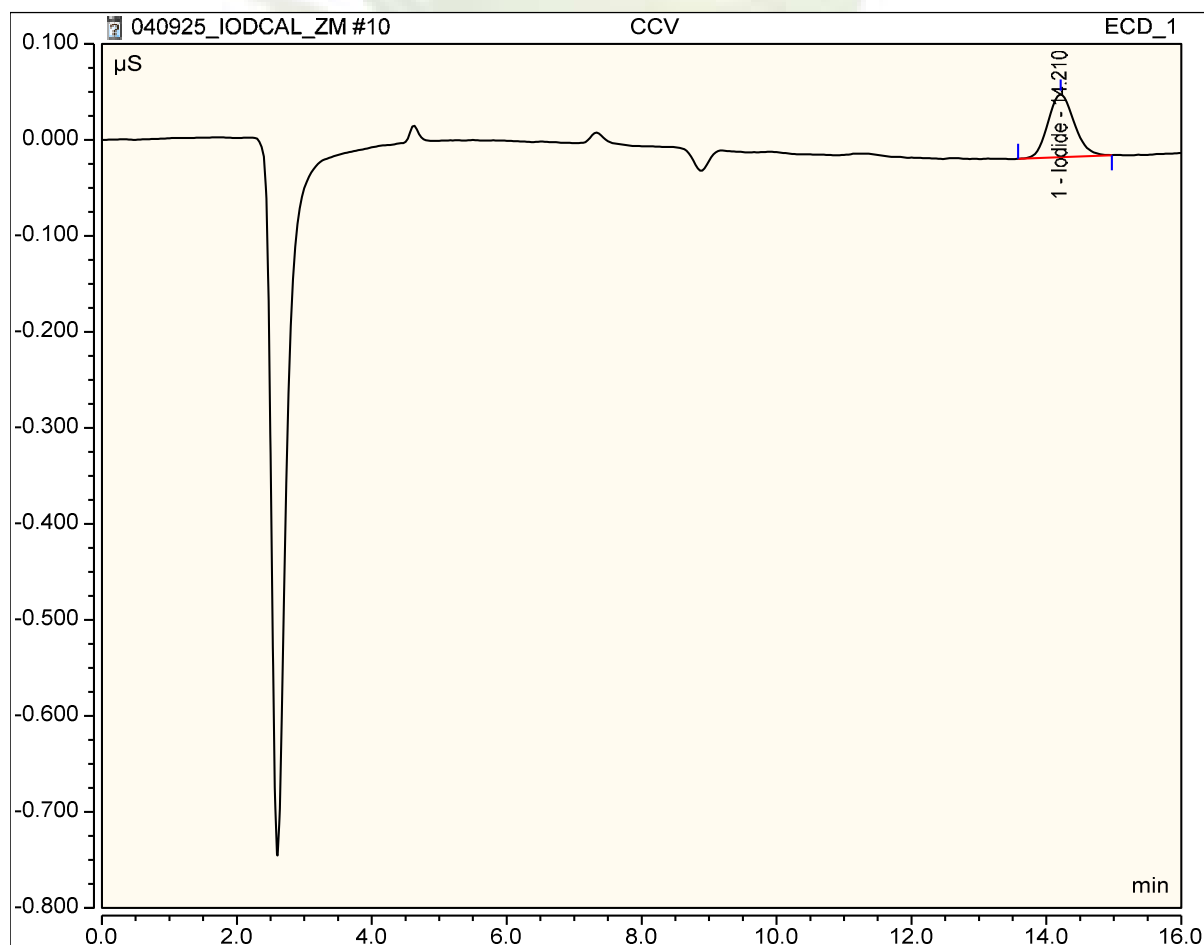
Sample Name:	MDL DAY 1_040925	Injection Volume (uL):	25.00
Vial Number:	BA7	Channel:	ECD_1
Sample Type:	Unknown	Calibration:	04/10/25 16:14
Control Program:	50IC04IOD	Eluent Stock:	412167
Quantif. Method:	CAL_IODIDE04	Dilution Factor	1.0000
Recording Time:	04/09/2025 17:39	Sample Weight:	1.0000
Run Time (min):	16.00	System Name:	50IC04

No.	Retention Time min	Name	Amount n.a.	Area $\mu\text{S}\cdot\text{min}$	Height μS	Type
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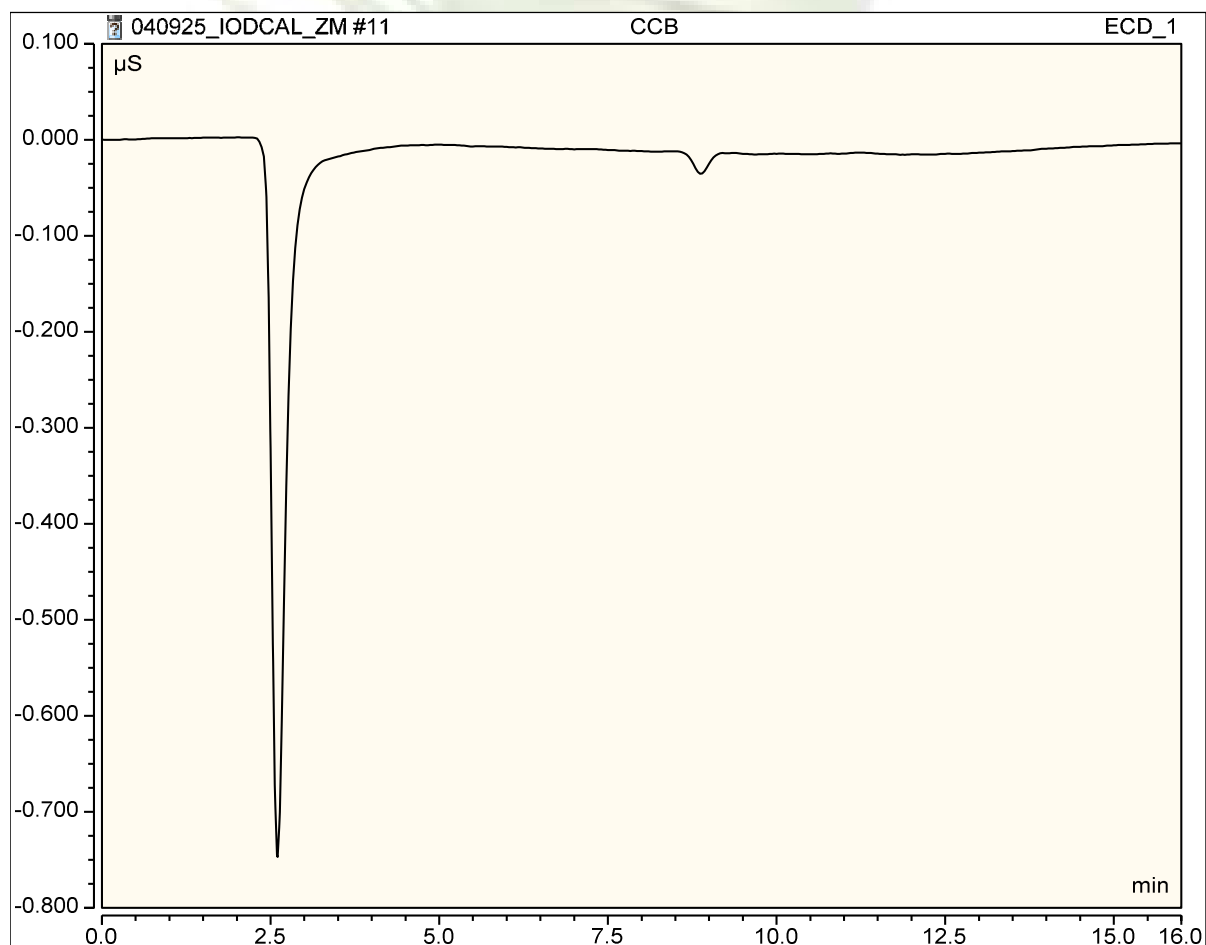
CCV			
412749			
Sample Name:	CCV	Injection Volume (uL):	25.00
Vial Number:	B2	Channel:	ECD_1
Sample Type:	Unknown	Calibration:	04/10/25 16:14
Control Program:	50IC04IOD	Eluent Stock:	412167
Quantif. Method:	CAL_IODIDE04	Dilution Factor	1.0000
Recording Time:	04/09/2025 17:58	Sample Weight:	1.0000
Run Time (min):	16.00	System Name:	50IC04

No.	Retention Time min	Name	Amount mg/L	Area $\mu\text{S}\cdot\text{min}$	Height μS	Type
1	14.21	Iodide	0.9407	0.029	0.065	BMB



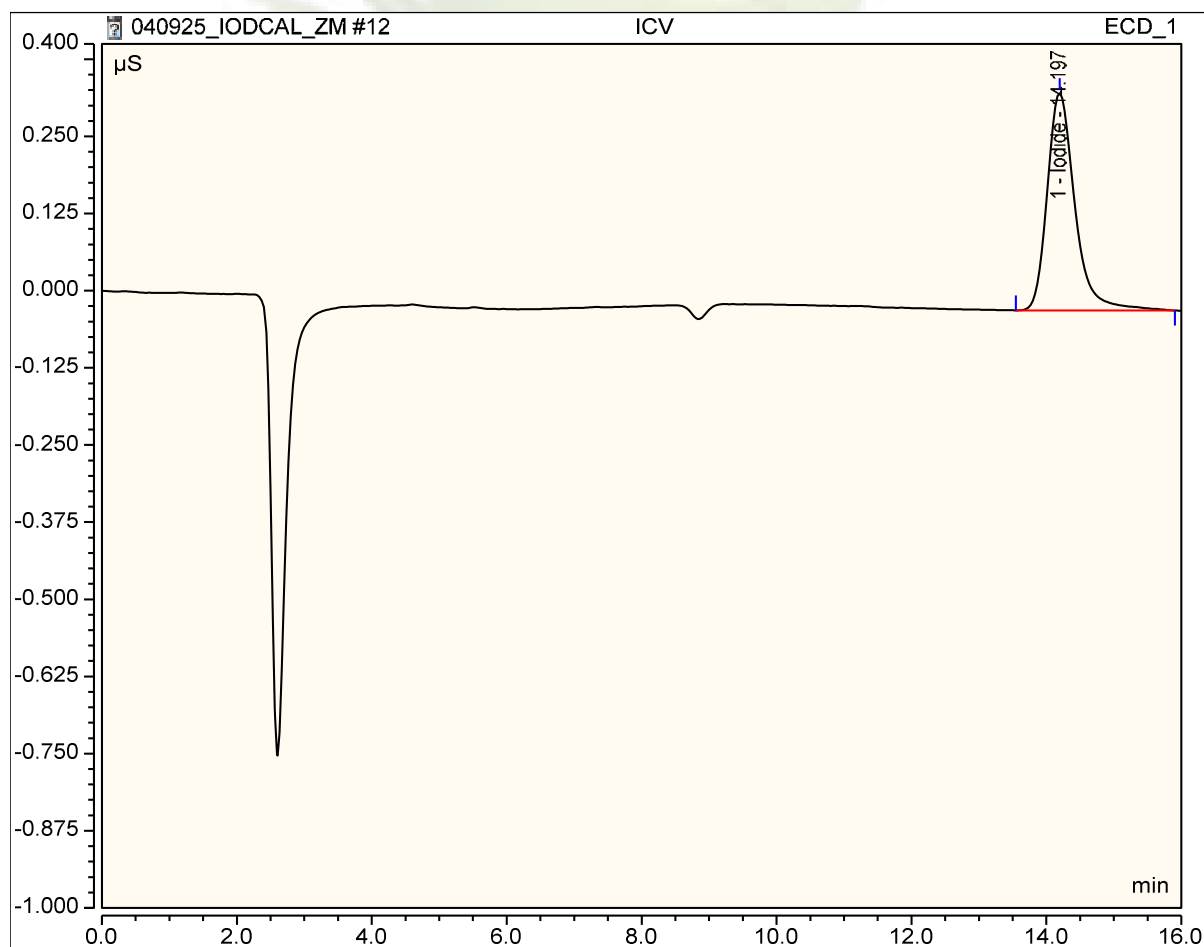
CCB			
340111			
Sample Name:	CCB	Injection Volume (uL):	25.00
Vial Number:	B1	Channel:	ECD_1
Sample Type:	Unknown	Calibration:	04/10/25 16:14
Control Program:	50IC04IOD	Eluent Stock:	412167
Quantif. Method:	CAL_IODIDE04	Dilution Factor	1.0000
Recording Time:	04/09/2025 18:17	Sample Weight:	1.0000
Run Time (min):	16.00	System Name:	50IC04

No.	Retention Time min	Name	Amount n.a.	Area $\mu\text{S}\cdot\text{min}$	Height μS	Type
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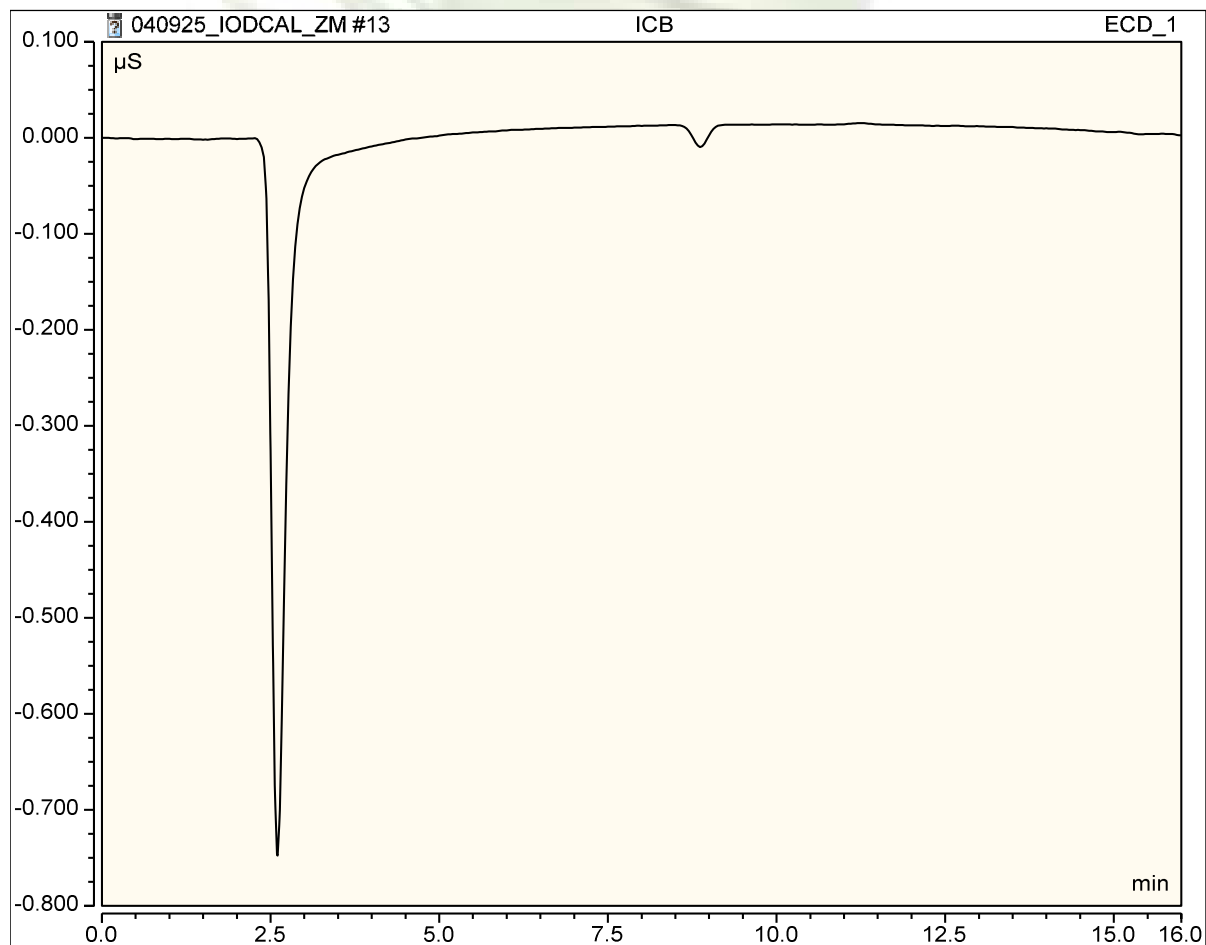
ICV			
412748			
Sample Name:	ICV	Injection Volume (uL):	25.00
Vial Number:	B3	Channel:	ECD_1
Sample Type:	Unknown	Calibration:	04/10/25 16:14
Control Program:	50IC04IOD	Eluent Stock:	412167
Quantif. Method:	CAL_IODIDE04	Dilution Factor	1.0000
Recording Time:	04/11/2025 09:03	Sample Weight:	1.0000
Run Time (min):	16.00	System Name:	50IC04

No.	Retention Time min	Name	Amount mg/L	Area $\mu\text{S}\cdot\text{min}$	Height μS	Type
1	14.20	Iodide	5.1241	0.166	0.352	BMB



ICB			
340111			
Sample Name:	ICB	Injection Volume (uL):	25.00
Vial Number:	B1	Channel:	ECD_1
Sample Type:	Unknown	Calibration:	04/10/25 16:14
Control Program:	50IC04IOD	Eluent Stock:	412167
Quantif. Method:	CAL_IODIDE04	Dilution Factor	1.0000
Recording Time:	04/11/2025 09:22	Sample Weight:	1.0000
Run Time (min):	16.00	System Name:	50IC04

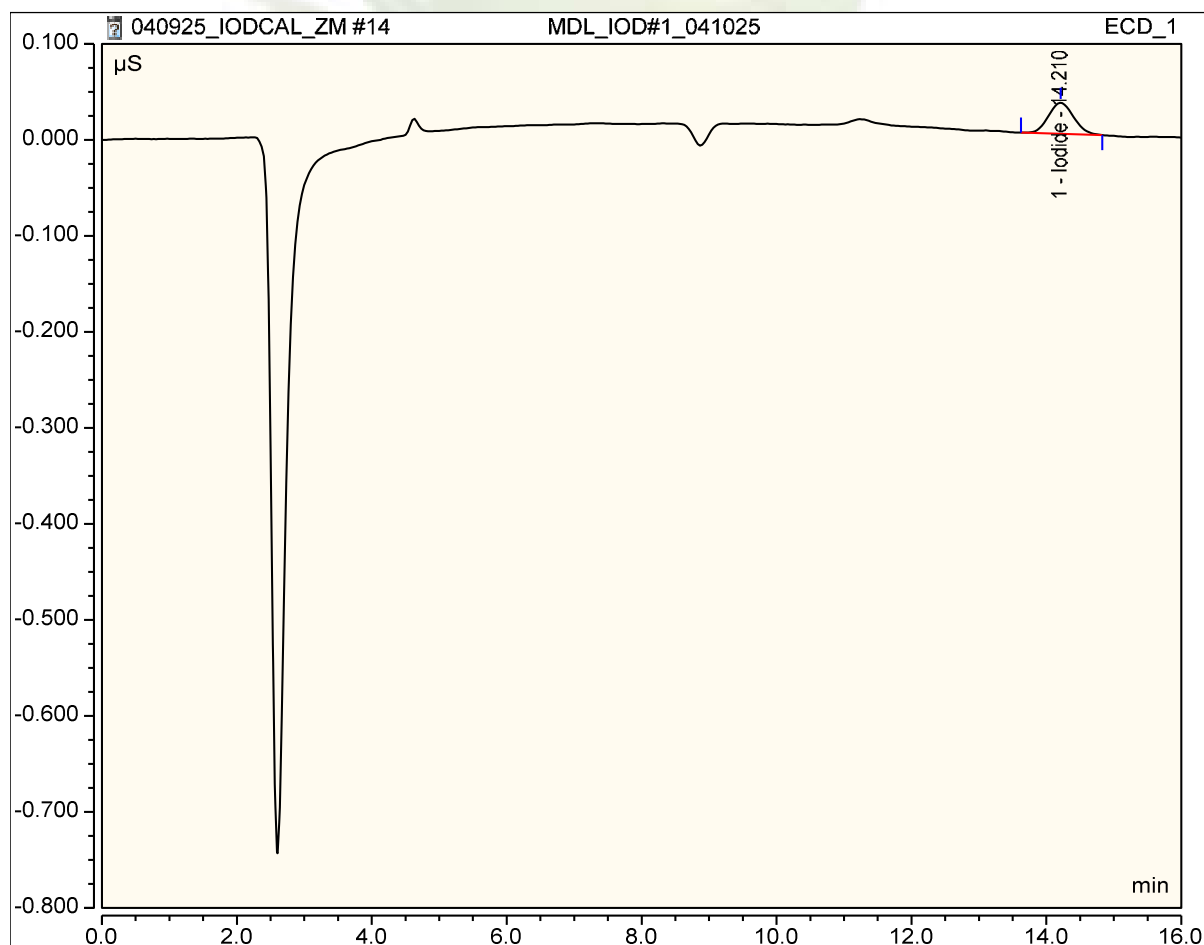
No.	Retention Time min	Name	Amount n.a.	Area $\mu\text{S}\cdot\text{min}$	Height μS	Type
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MDL_IOD#1_041025

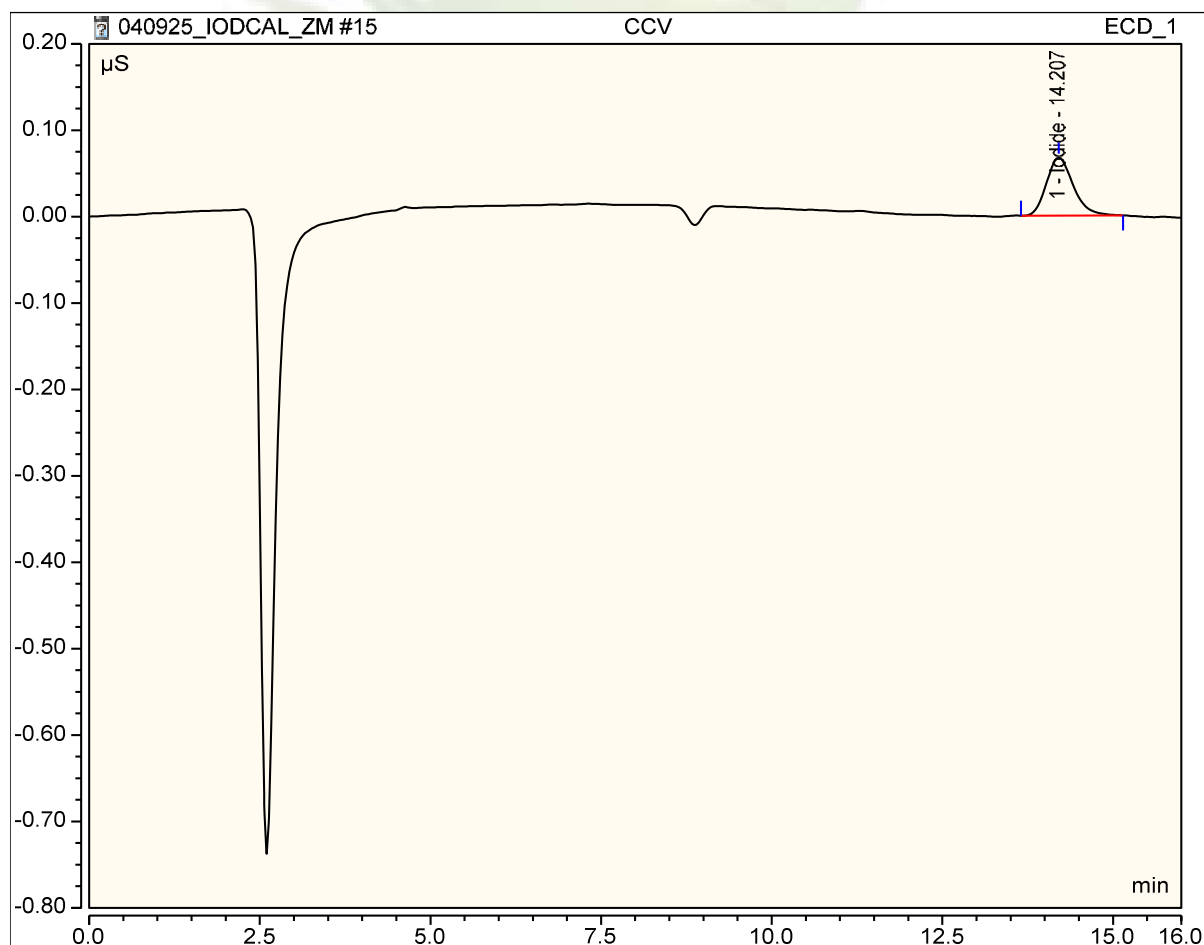
Sample Name:	MDL_IOD#1_041025	Injection Volume (uL):	25.00
Vial Number:	BA1	Channel:	ECD_1
Sample Type:	Unknown	Calibration:	04/10/25 16:14
Control Program:	50IC04IOD	Eluent Stock:	412167
Quantif. Method:	CAL_IODIDE04	Dilution Factor	1.0000
Recording Time:	04/11/2025 09:41	Sample Weight:	1.0000
Run Time (min):	16.00	System Name:	50IC04

No.	Retention Time min	Name	Amount mg/L	Area $\mu\text{S}\cdot\text{min}$	Height μS	Type
1	14.21	Iodide	0.4739	0.014	0.032	BMB



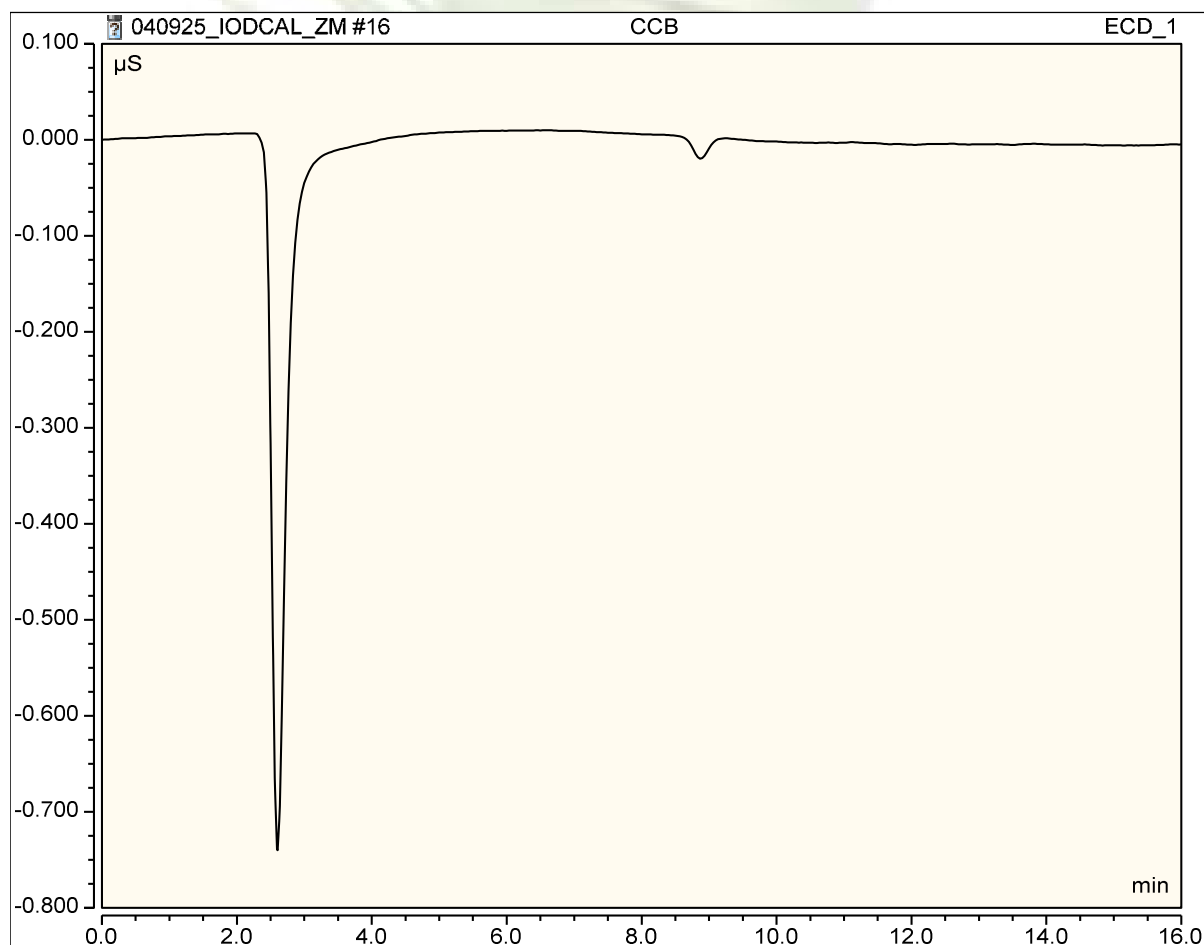
CCV			
412749			
Sample Name:	CCV	Injection Volume (uL):	25.00
Vial Number:	B2	Channel:	ECD_1
Sample Type:	Unknown	Calibration:	04/10/25 16:14
Control Program:	50IC04IOD	Eluent Stock:	412167
Quantif. Method:	CAL_IODIDE04	Dilution Factor	1.0000
Recording Time:	04/11/2025 10:01	Sample Weight:	1.0000
Run Time (min):	16.00	System Name:	50IC04

No.	Retention Time min	Name	Amount mg/L	Area $\mu\text{S}\cdot\text{min}$	Height μS	Type
1	14.21	Iodide	0.9826	0.031	0.067	BMB



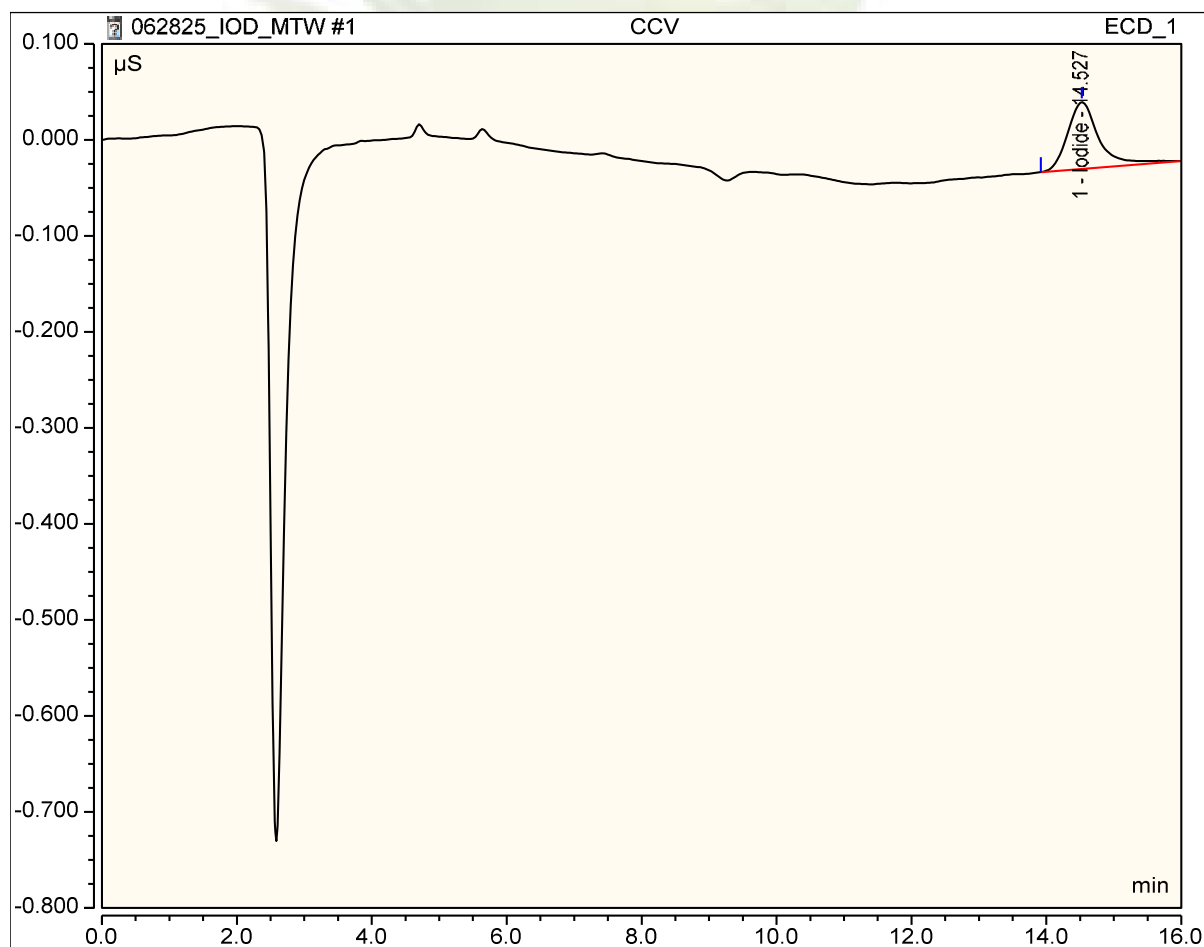
CCB			
340111			
Sample Name:	CCB	Injection Volume (uL):	25.00
Vial Number:	B1	Channel:	ECD_1
Sample Type:	Unknown	Calibration:	04/10/25 16:14
Control Program:	50IC04IOD	Eluent Stock:	412167
Quantif. Method:	CAL_IODIDE04	Dilution Factor	1.0000
Recording Time:	04/11/2025 10:20	Sample Weight:	1.0000
Run Time (min):	16.00	System Name:	50IC04

No.	Retention Time min	Name	Amount n.a.	Area μS*min	Height μS	Type
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CCV			
412749			
Sample Name:	CCV	Injection Volume (uL):	25.00
Vial Number:	B2	Channel:	ECD_1
Sample Type:	Unknown	Calibration:	04/10/25 16:14
Control Program:	50IC04IOD	Eluent Stock:	416359
Quantif. Method:	CAL_IODIDE04	Dilution Factor	1.0000
Recording Time:	06/28/2025 18:29	Sample Weight:	1.0000
Run Time (min):	16.00	System Name:	50IC04

No.	Retention Time min	Name	Amount mg/L	Area $\mu\text{S}\cdot\text{min}$	Height μS	Type
1	14.53	Iodide	1.1911	0.037	0.070	BMB

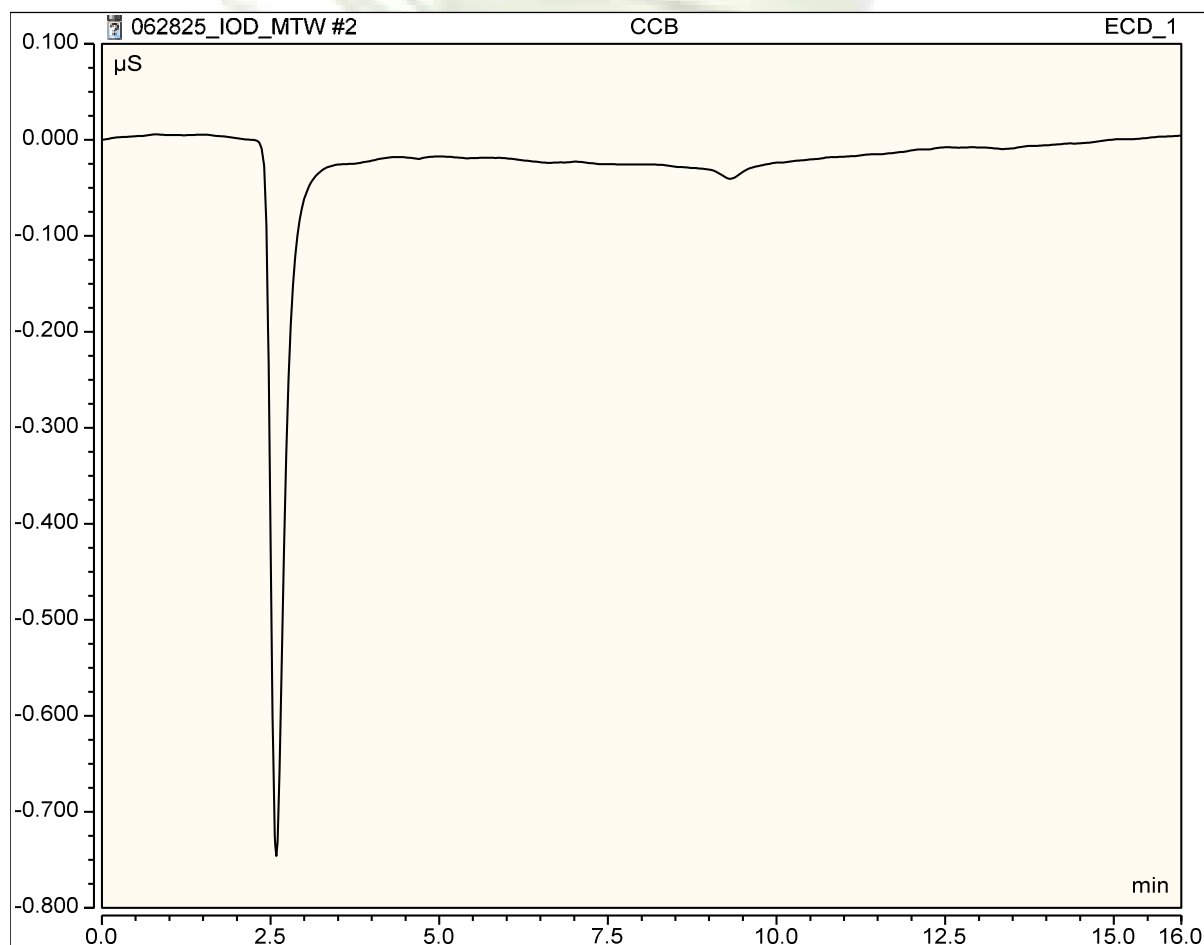


CCB

340111

Sample Name:	CCB	Injection Volume (uL):	25.00
Vial Number:	B1	Channel:	ECD_1
Sample Type:	Unknown	Calibration:	04/10/25 16:14
Control Program:	50IC04IOD	Eluent Stock:	416359
Quantif. Method:	CAL_IODIDE04	Dilution Factor	1.0000
Recording Time:	06/28/2025 18:48	Sample Weight:	1.0000
Run Time (min):	16.00	System Name:	50IC04

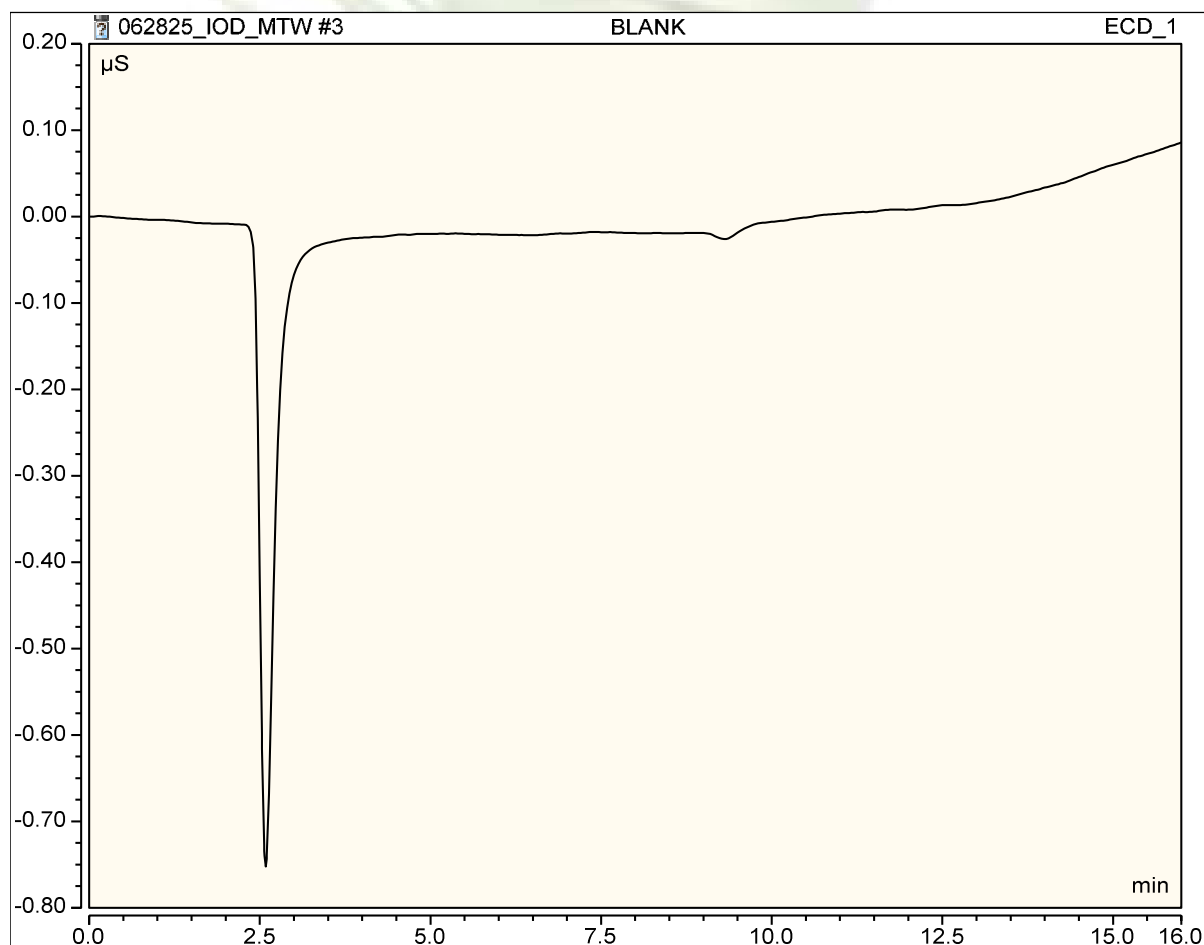
No.	Retention Time min	Name	Amount n.a.	Area $\mu\text{S}\cdot\text{min}$	Height μS	Type
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BLANK 340111

Sample Name:	BLANK	Injection Volume (uL):	25.00
Vial Number:	B4	Channel:	ECD_1
Sample Type:	Unknown	Calibration:	04/10/25 16:14
Control Program:	50IC04IOD	Eluent Stock:	416359
Quantif. Method:	CAL_IODIDE04	Dilution Factor	1.0000
Recording Time:	06/28/2025 19:08	Sample Weight:	1.0000
Run Time (min):	16.00	System Name:	50IC04

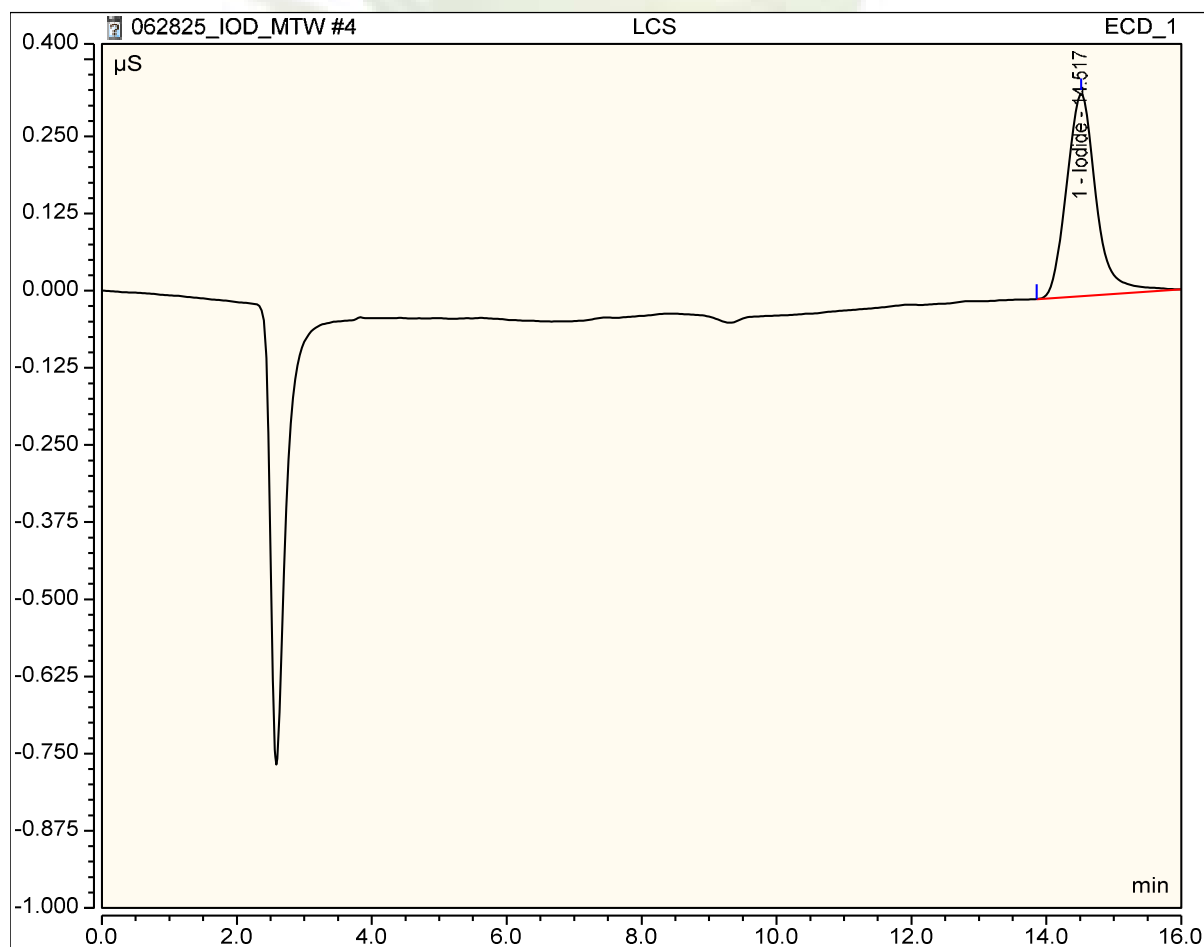
No.	Retention Time min	Name	Amount n.a.	Area $\mu\text{S}\cdot\text{min}$	Height μS	Type
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LCS

Sample Name:	LCS	Injection Volume (uL):	25.00
Vial Number:	B3	Channel:	ECD_1
Sample Type:	Unknown	Calibration:	04/10/25 16:14
Control Program:	50IC04IOD	Eluent Stock:	416359
Quantif. Method:	CAL_IODIDE04	Dilution Factor	1.0000
Recording Time:	06/28/2025 19:27	Sample Weight:	1.0000
Run Time (min):	16.00	System Name:	50IC04

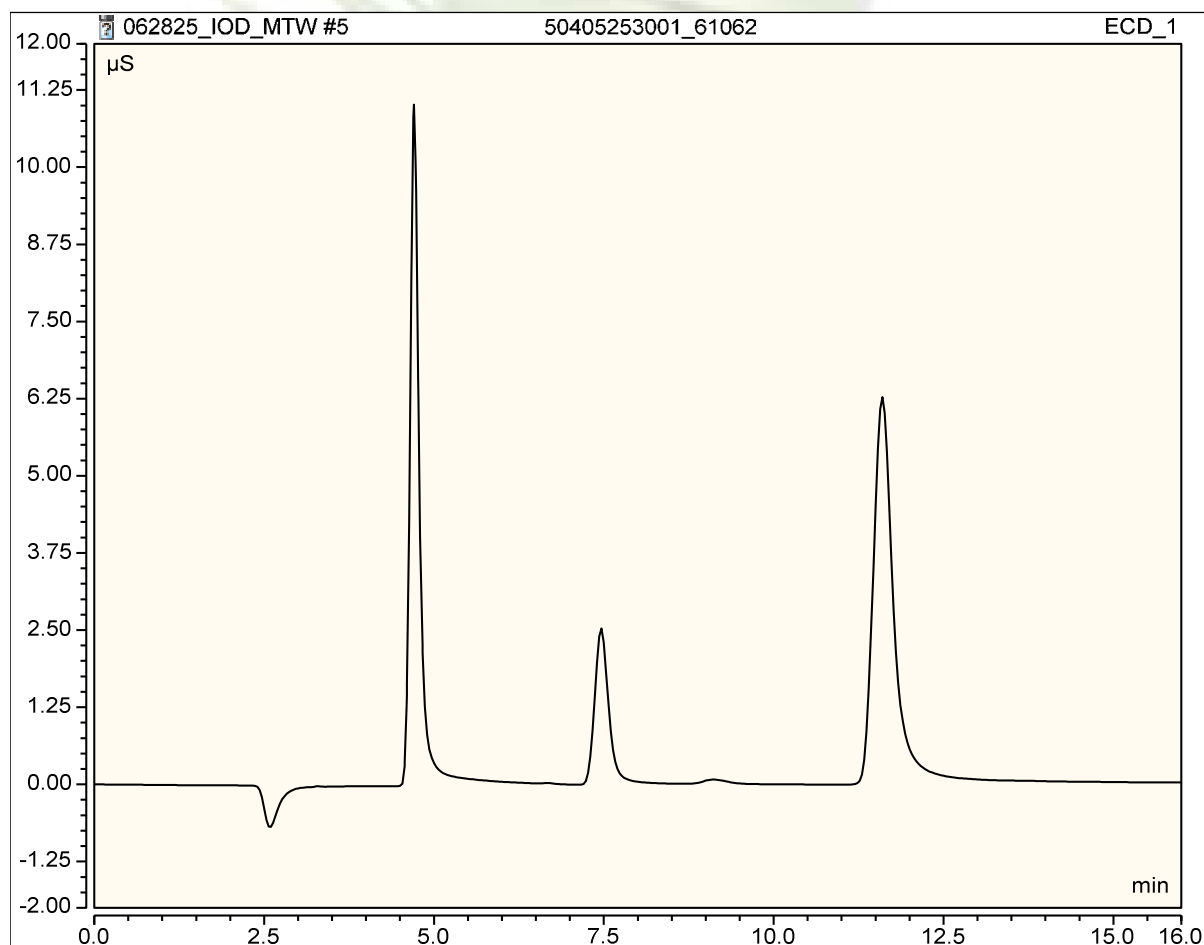
No.	Retention Time min	Name	Amount mg/L	Area $\mu\text{S}\cdot\text{min}$	Height μS	Type
1	14.52	Iodide	5.1418	0.167	0.328	BMB



50405253001_61062

Sample Name:	50405253001_61062	Injection Volume (uL):	25.00
Vial Number:	RA1	Channel:	ECD_1
Sample Type:	Unknown	Calibration:	04/10/25 16:14
Control Program:	50IC04IOD	Eluent Stock:	416359
Quantif. Method:	CAL_IODIDE04	Dilution Factor	1.0000
Recording Time:	06/28/2025 19:46	Sample Weight:	1.0000
Run Time (min):	16.00	System Name:	50IC04

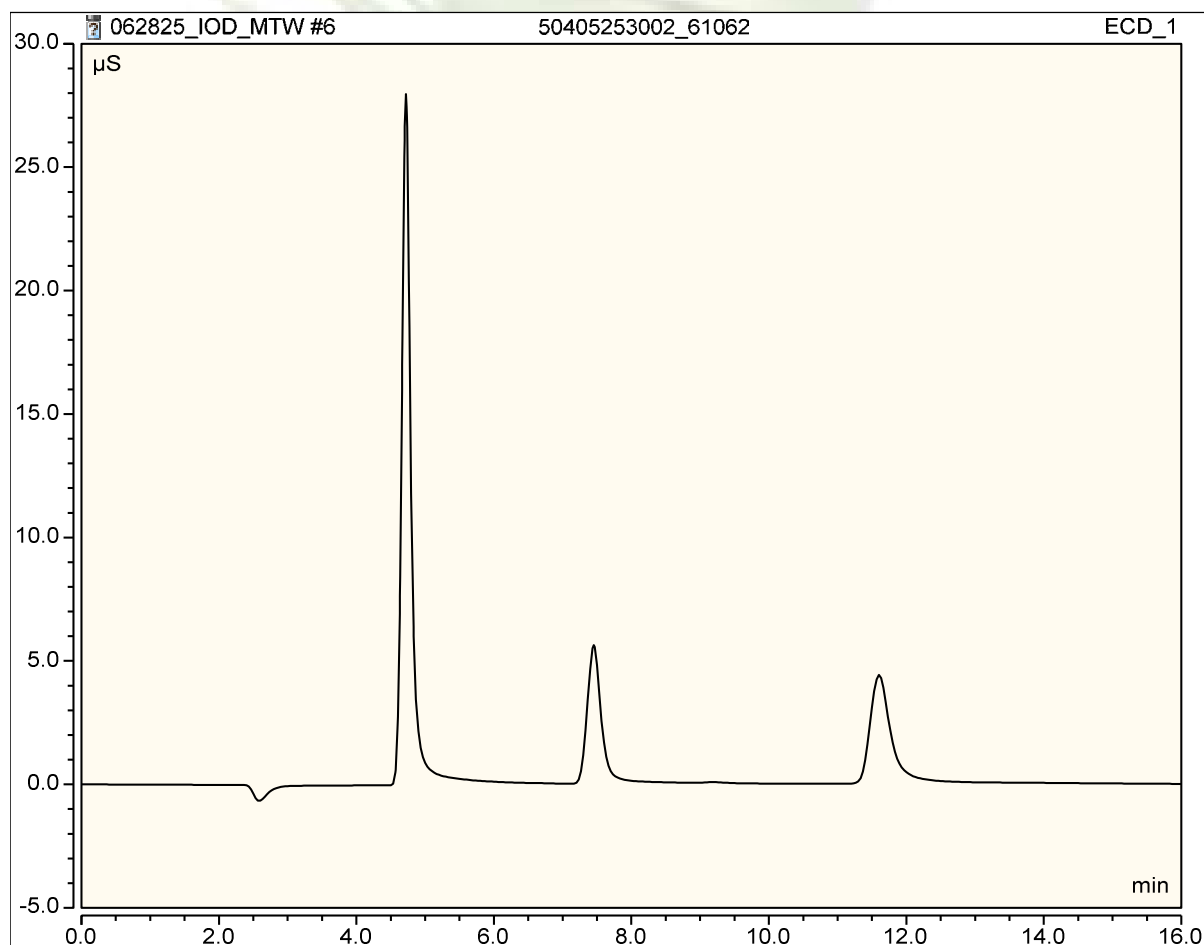
No.	Retention Time min	Name	Amount n.a.	Area $\mu\text{S}\cdot\text{min}$	Height μS	Type
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50405253002_61062

Sample Name:	50405253002_61062	Injection Volume (uL):	25.00
Vial Number:	RA2	Channel:	ECD_1
Sample Type:	Unknown	Calibration:	04/10/25 16:14
Control Program:	50IC04IOD	Eluent Stock:	416359
Quantif. Method:	CAL_IODIDE04	Dilution Factor	1.0000
Recording Time:	06/28/2025 20:06	Sample Weight:	1.0000
Run Time (min):	16.00	System Name:	50IC04

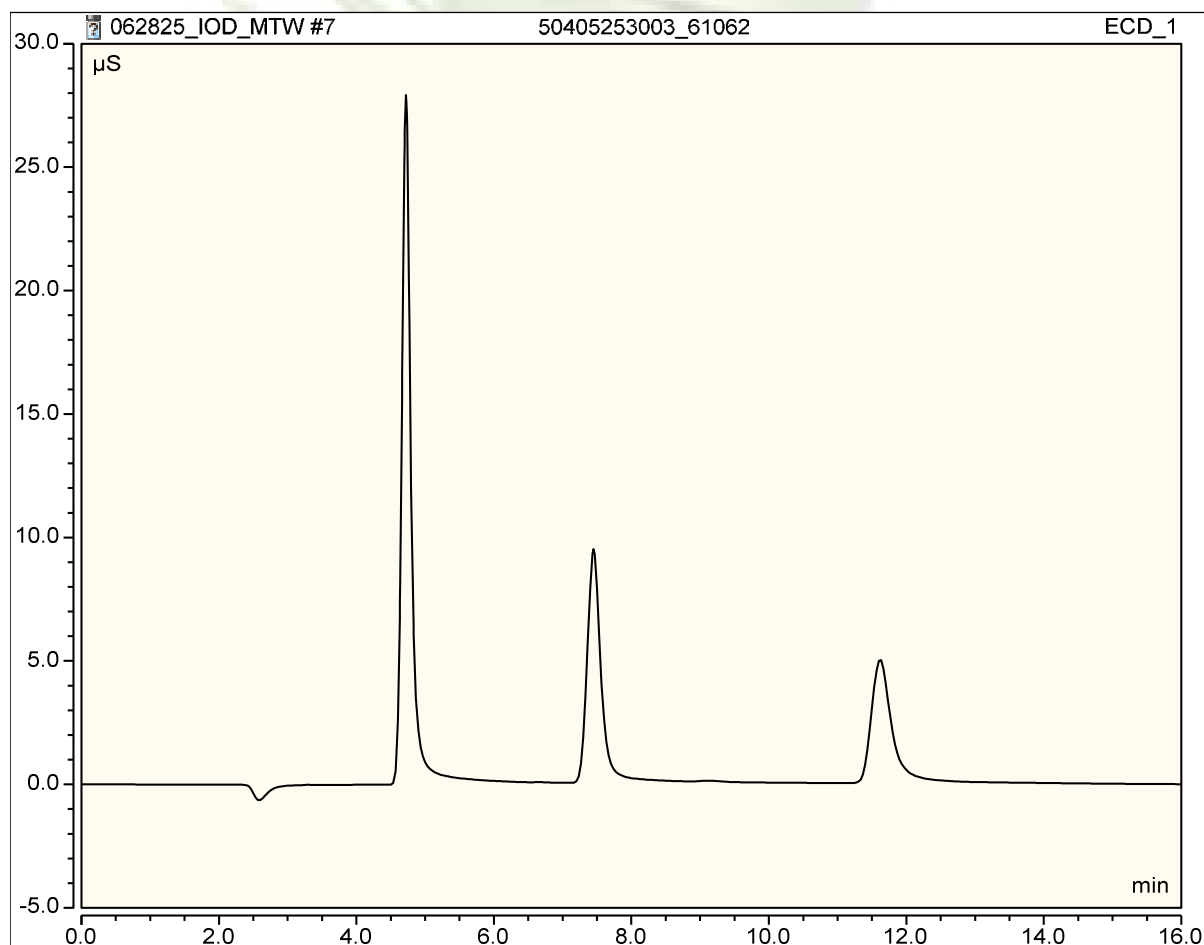
No.	Retention Time min	Name	Amount n.a.	Area $\mu\text{S}\cdot\text{min}$	Height μS	Type
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50405253003_61062

Sample Name:	50405253003_61062	Injection Volume (uL):	25.00
Vial Number:	RA3	Channel:	ECD_1
Sample Type:	Unknown	Calibration:	04/10/25 16:14
Control Program:	50IC04IOD	Eluent Stock:	416359
Quantif. Method:	CAL_IODIDE04	Dilution Factor	1.0000
Recording Time:	06/28/2025 20:25	Sample Weight:	1.0000
Run Time (min):	16.00	System Name:	50IC04

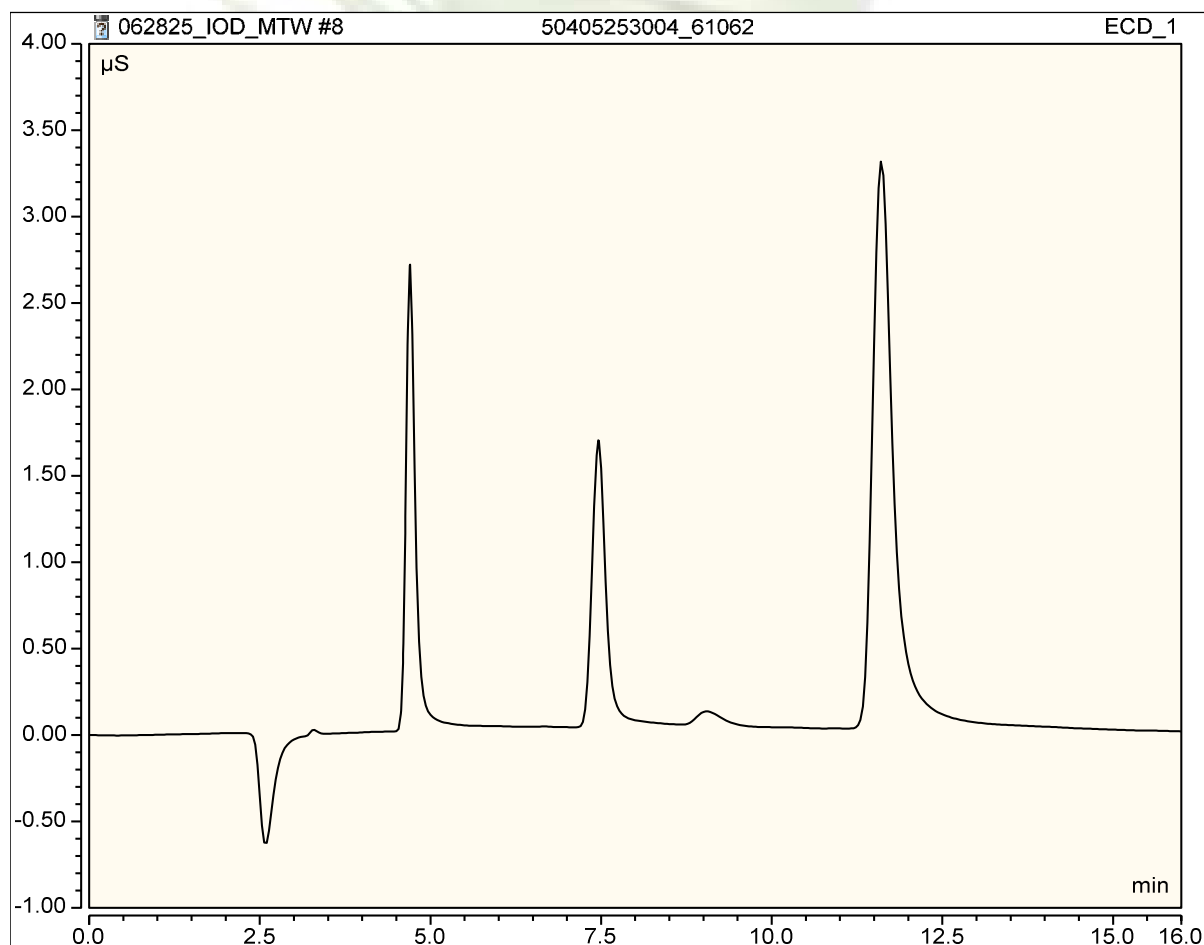
No.	Retention Time min	Name	Amount n.a.	Area $\mu\text{S} \cdot \text{min}$	Height μS	Type
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50405253004_61062

Sample Name:	50405253004_61062	Injection Volume (uL):	25.00
Vial Number:	RA4	Channel:	ECD_1
Sample Type:	Unknown	Calibration:	04/10/25 16:14
Control Program:	50IC04IOD	Eluent Stock:	416359
Quantif. Method:	CAL_IODIDE04	Dilution Factor	1.0000
Recording Time:	06/28/2025 20:44	Sample Weight:	1.0000
Run Time (min):	16.00	System Name:	50IC04

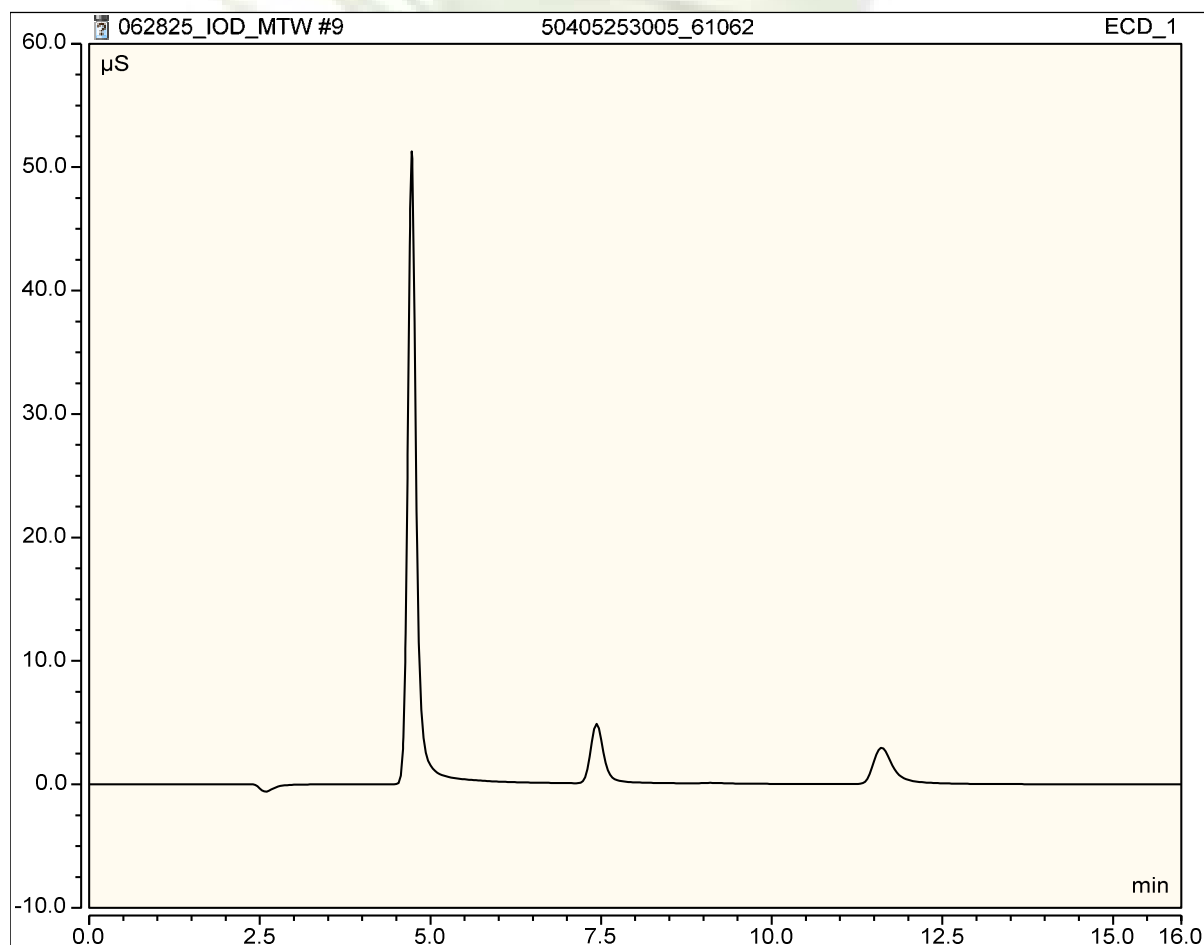
No.	Retention Time min	Name	Amount n.a.	Area $\mu\text{S}\cdot\text{min}$	Height μS	Type
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50405253005_61062

Sample Name:	50405253005_61062	Injection Volume (uL):	25.00
Vial Number:	RA5	Channel:	ECD_1
Sample Type:	Unknown	Calibration:	04/10/25 16:14
Control Program:	50IC04IOD	Eluent Stock:	416359
Quantif. Method:	CAL_IODIDE04	Dilution Factor	1.0000
Recording Time:	06/28/2025 21:03	Sample Weight:	1.0000
Run Time (min):	16.00	System Name:	50IC04

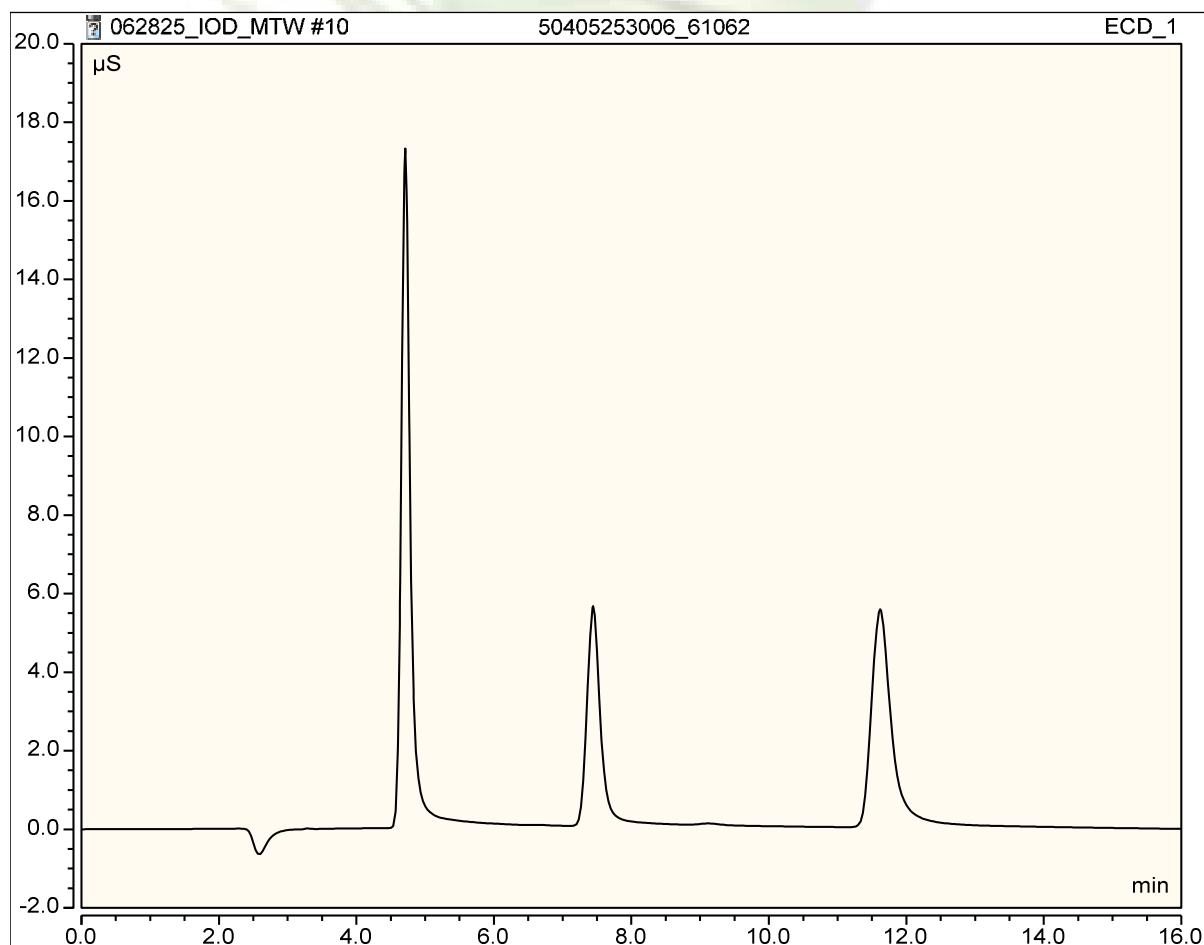
No.	Retention Time min	Name	Amount n.a.	Area $\mu\text{S} \cdot \text{min}$	Height μS	Type
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50405253006_61062

Sample Name:	50405253006_61062	Injection Volume (uL):	25.00
Vial Number:	RA6	Channel:	ECD_1
Sample Type:	Unknown	Calibration:	04/10/25 16:14
Control Program:	50IC04IOD	Eluent Stock:	416359
Quantif. Method:	CAL_IODIDE04	Dilution Factor	1.0000
Recording Time:	06/28/2025 21:23	Sample Weight:	1.0000
Run Time (min):	16.00	System Name:	50IC04

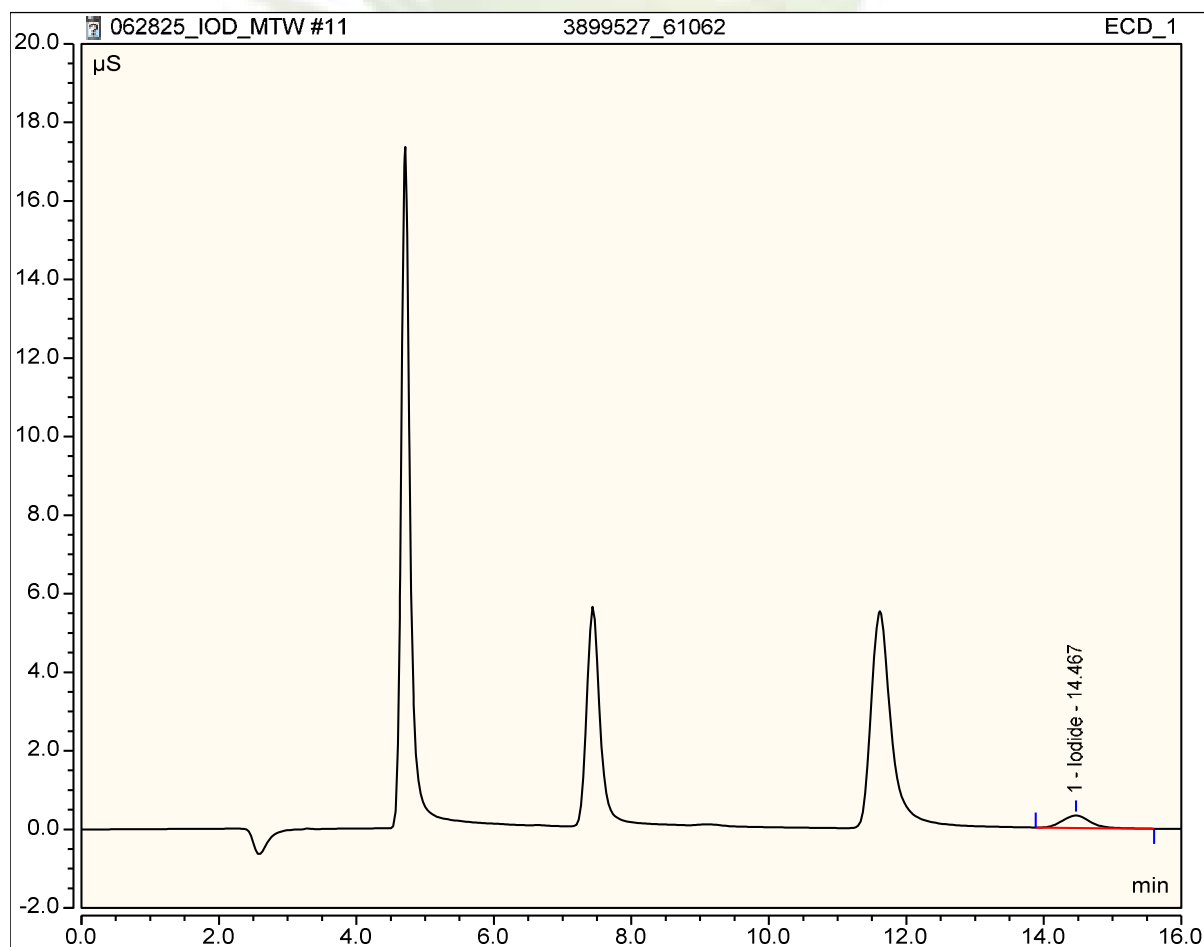
No.	Retention Time min	Name	Amount n.a.	Area $\mu\text{S}\cdot\text{min}$	Height μS	Type
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3899527_61062 **412749**

Sample Name:	3899527_61062	Injection Volume (uL):	25.00
Vial Number:	RA7	Channel:	ECD_1
Sample Type:	Unknown	Calibration:	04/10/25 16:14
Control Program:	50IC04IOD	Eluent Stock:	416359
Quantif. Method:	CAL_IODIDE04	Dilution Factor	1.0000
Recording Time:	06/28/2025 21:42	Sample Weight:	1.0000
Run Time (min):	16.00	System Name:	50IC04

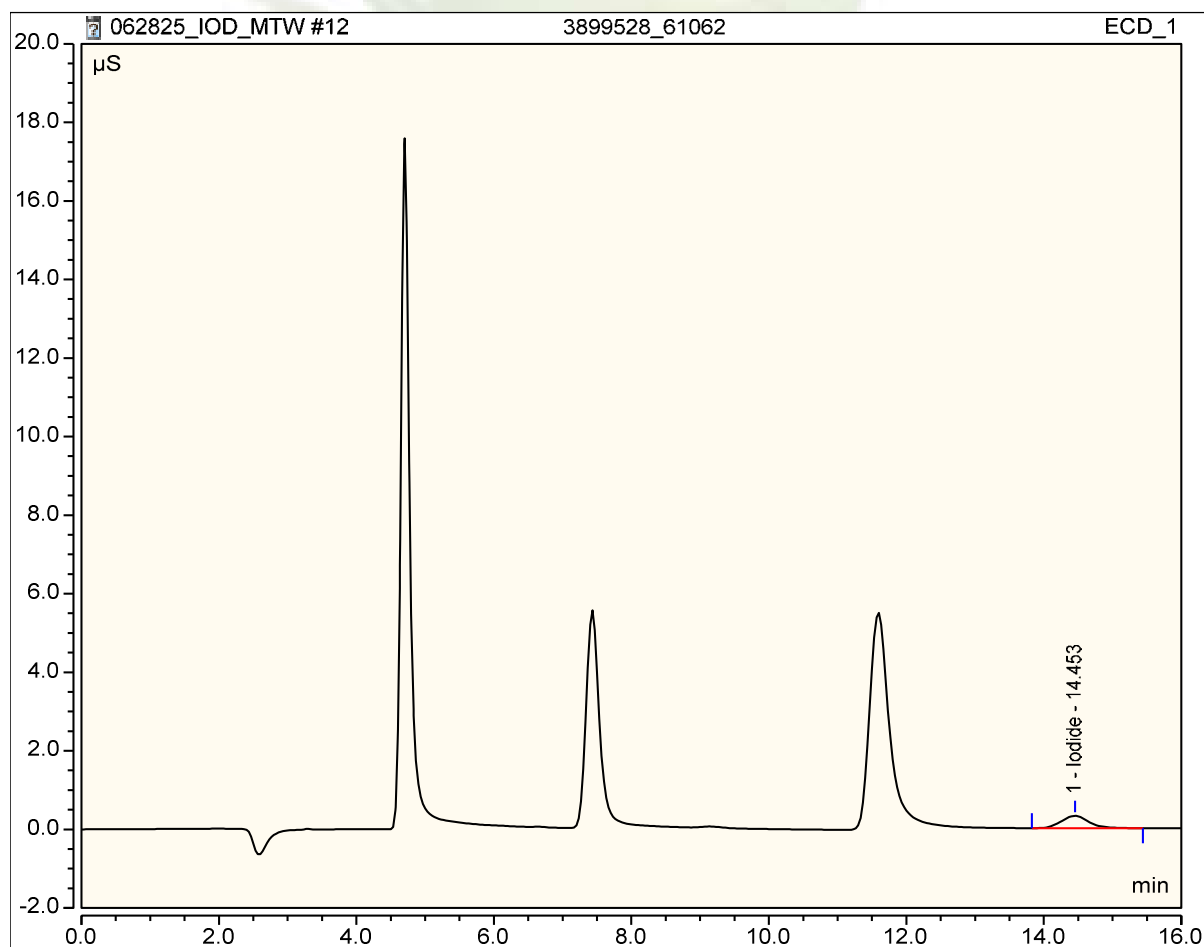
No.	Retention Time min	Name	Amount mg/L	Area μS*min	Height μS	Type
1	14.47	Iodide	4.5578	0.147	0.317	BMB



3899528_61062 412749

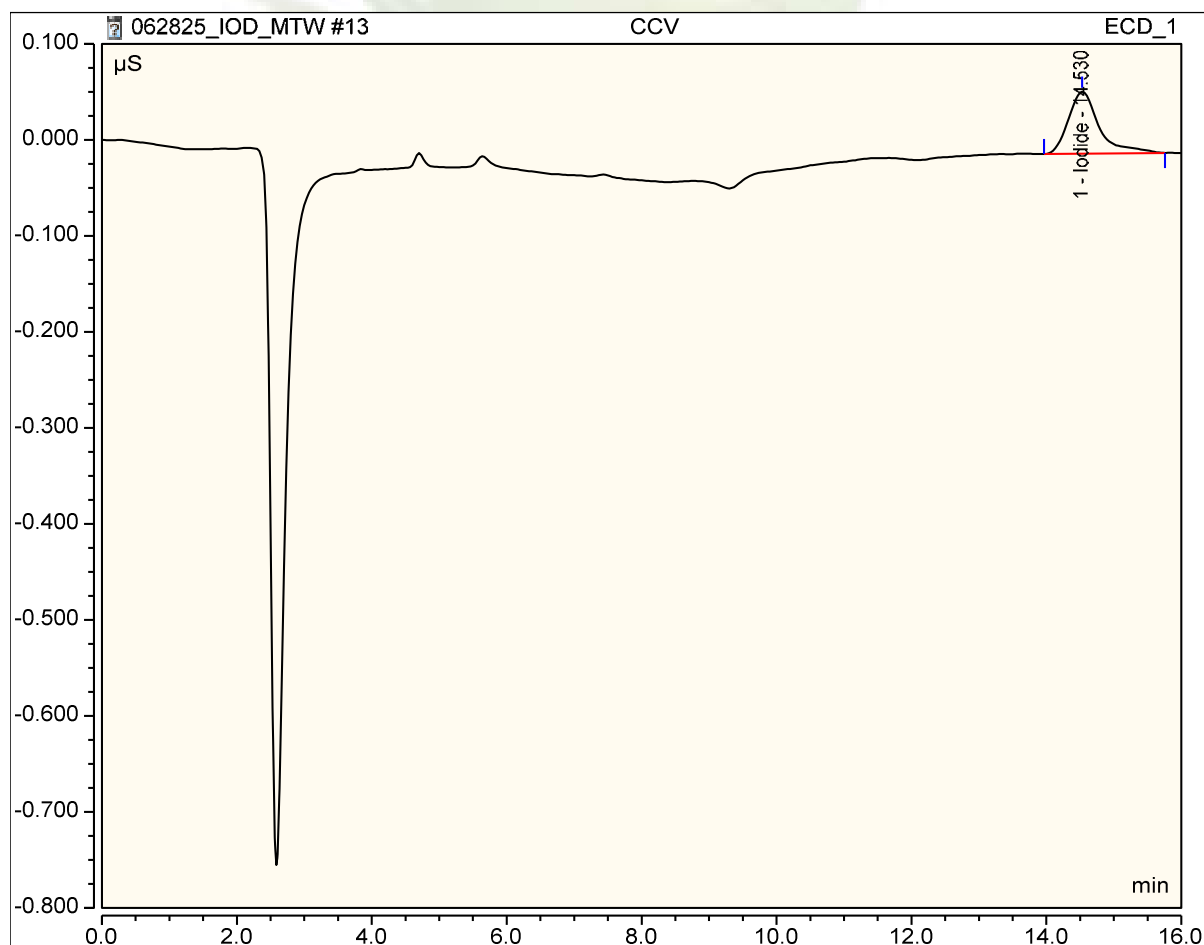
Sample Name:	3899528_61062	Injection Volume (uL):	25.00
Vial Number:	RA8	Channel:	ECD_1
Sample Type:	Unknown	Calibration:	04/10/25 16:14
Control Program:	50IC04IOD	Eluent Stock:	416359
Quantif. Method:	CAL_IODIDE04	Dilution Factor	1.0000
Recording Time:	06/28/2025 22:01	Sample Weight:	1.0000
Run Time (min):	16.00	System Name:	50IC04

No.	Retention Time min	Name	Amount mg/L	Area $\mu\text{S}\cdot\text{min}$	Height μS	Type
1	14.45	Iodide	4.5311	0.147	0.314	BMB



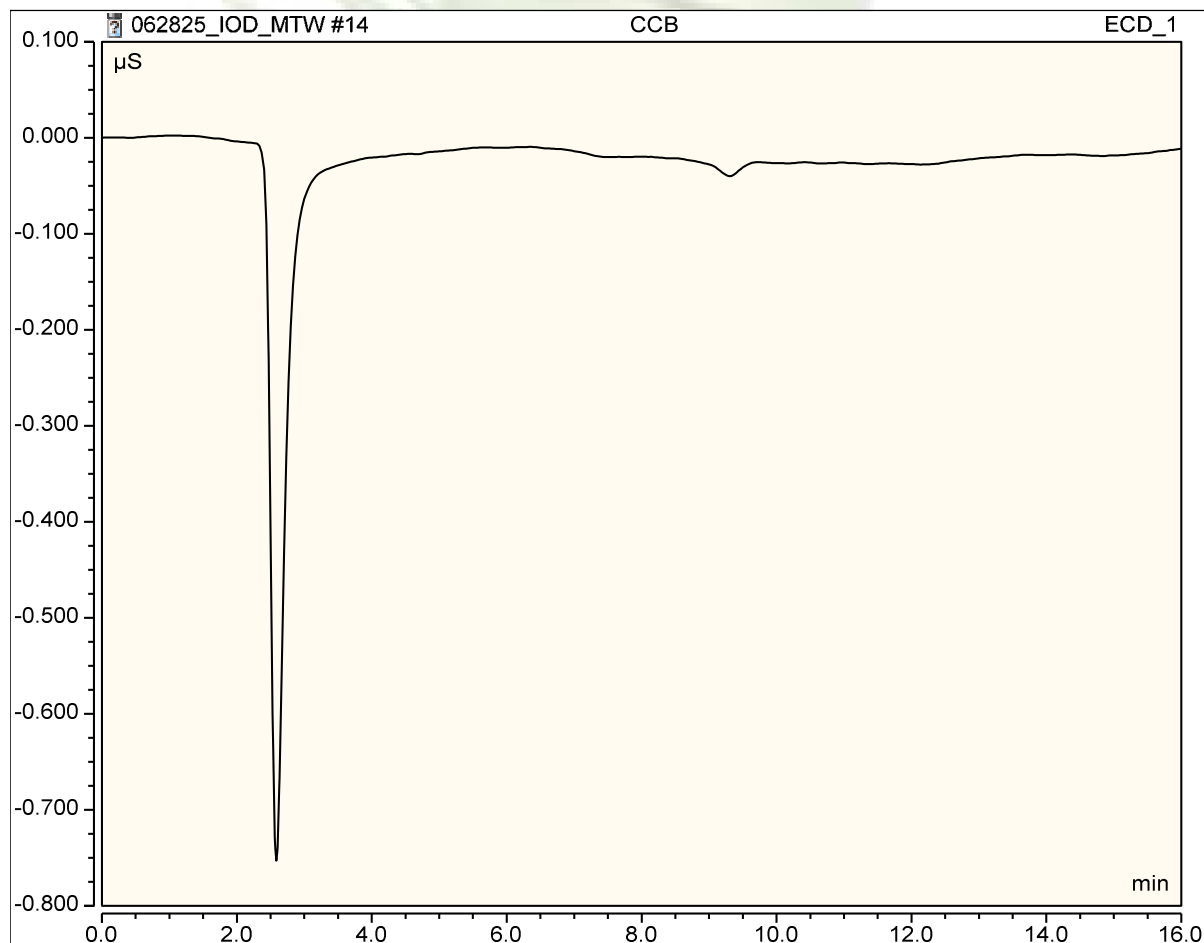
CCV			
412749			
Sample Name:	CCV	Injection Volume (uL):	25.00
Vial Number:	B2	Channel:	ECD_1
Sample Type:	Unknown	Calibration:	04/10/25 16:14
Control Program:	50IC04IOD	Eluent Stock:	416359
Quantif. Method:	CAL_IODIDE04	Dilution Factor	1.0000
Recording Time:	06/28/2025 22:20	Sample Weight:	1.0000
Run Time (min):	16.00	System Name:	50IC04

No.	Retention Time min	Name	Amount mg/L	Area $\mu\text{S}\cdot\text{min}$	Height μS	Type
1	14.53	Iodide	1.0874	0.034	0.065	BMB



CCB			
340111			
Sample Name:	CCB	Injection Volume (uL):	25.00
Vial Number:	B4	Channel:	ECD_1
Sample Type:	Unknown	Calibration:	04/10/25 16:14
Control Program:	50IC04IOD	Eluent Stock:	416359
Quantif. Method:	CAL_IODIDE04	Dilution Factor	1.0000
Recording Time:	06/28/2025 22:40	Sample Weight:	1.0000
Run Time (min):	16.00	System Name:	50IC04

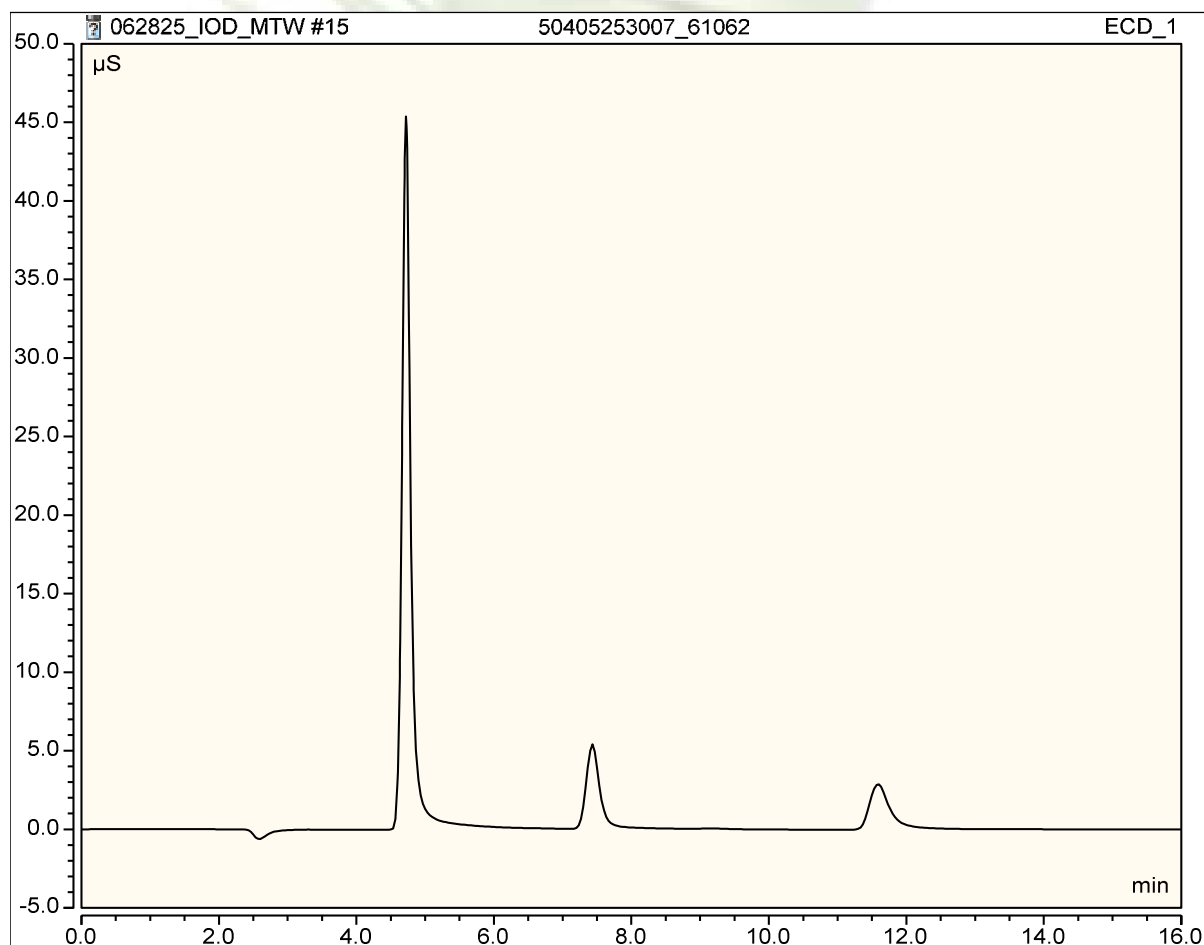
No.	Retention Time min	Name	Amount n.a.	Area $\mu\text{S}\cdot\text{min}$	Height μS	Type
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50405253007_61062

Sample Name:	50405253007_61062	Injection Volume (uL):	25.00
Vial Number:	RB1	Channel:	ECD_1
Sample Type:	Unknown	Calibration:	04/10/25 16:14
Control Program:	50IC04IOD	Eluent Stock:	416359
Quantif. Method:	CAL_IODIDE04	Dilution Factor	1.0000
Recording Time:	06/28/2025 22:59	Sample Weight:	1.0000
Run Time (min):	16.00	System Name:	50IC04

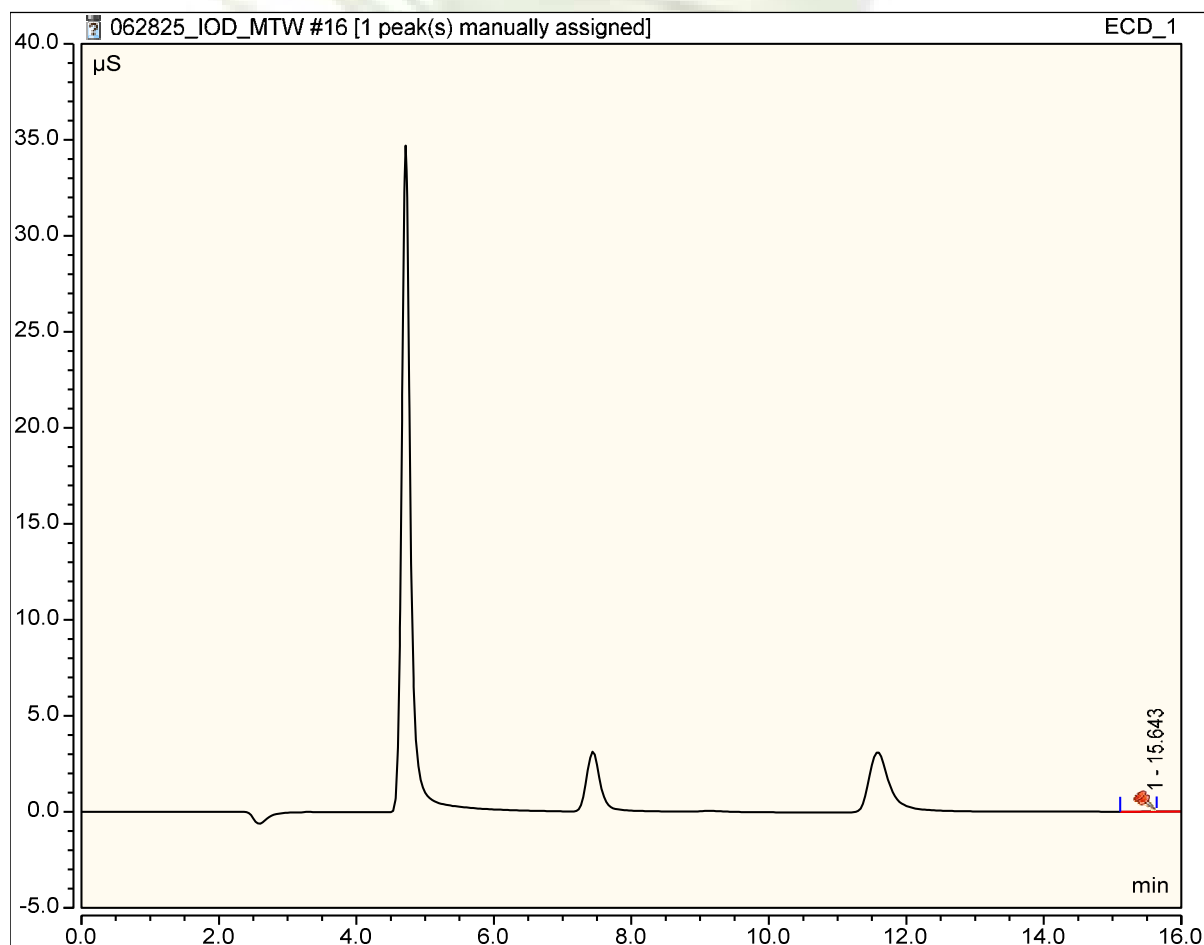
No.	Retention Time min	Name	Amount n.a.	Area $\mu\text{S} \cdot \text{min}$	Height μS	Type
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50405484001_61062

Sample Name:	50405484001_61062	Injection Volume (uL):	25.00
Vial Number:	RB2	Channel:	ECD_1
Sample Type:	Unknown	Calibration:	04/10/25 16:14
Control Program:	50IC04IOD	Eluent Stock:	416359
Quantif. Method:	CAL_IODIDE04	Dilution Factor	1.0000
Recording Time:	06/28/2025 23:18	Sample Weight:	1.0000
Run Time (min):	16.00	System Name:	50IC04

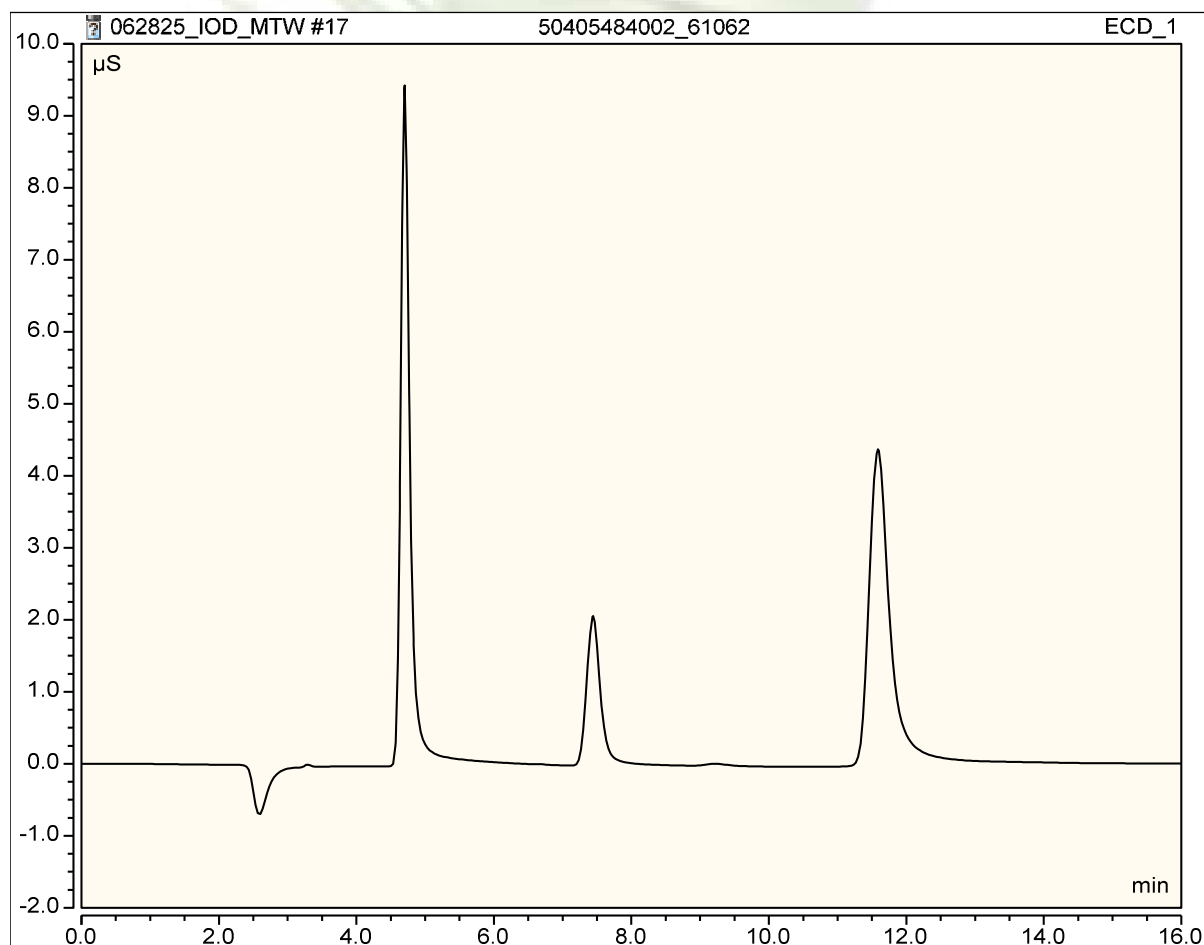
No.	Retention Time min	Name	Amount n.a.	Area $\mu\text{S} \cdot \text{min}$	Height μS	Type
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50405484002_61062

Sample Name:	50405484002_61062	Injection Volume (uL):	25.00
Vial Number:	RB3	Channel:	ECD_1
Sample Type:	Unknown	Calibration:	04/10/25 16:14
Control Program:	50IC04IOD	Eluent Stock:	416359
Quantif. Method:	CAL_IODIDE04	Dilution Factor	1.0000
Recording Time:	06/28/2025 23:38	Sample Weight:	1.0000
Run Time (min):	16.00	System Name:	50IC04

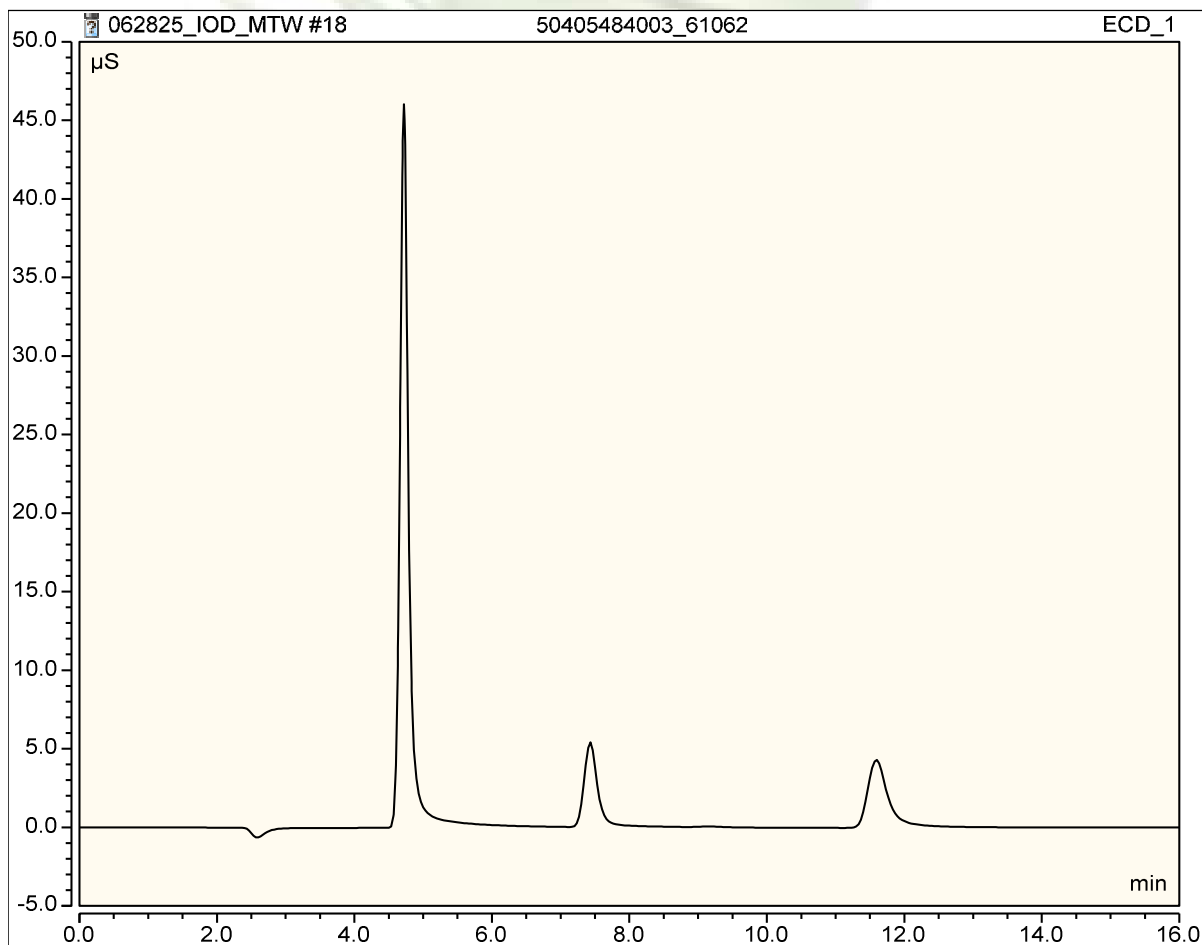
No.	Retention Time min	Name	Amount n.a.	Area μS*min	Height μS	Type
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50405484003_61062

Sample Name:	50405484003_61062	Injection Volume (uL):	25.00
Vial Number:	RB4	Channel:	ECD_1
Sample Type:	Unknown	Calibration:	04/10/25 16:14
Control Program:	50IC04IOD	Eluent Stock:	416359
Quantif. Method:	CAL_IODIDE04	Dilution Factor	1.0000
Recording Time:	06/28/2025 23:57	Sample Weight:	1.0000
Run Time (min):	16.00	System Name:	50IC04

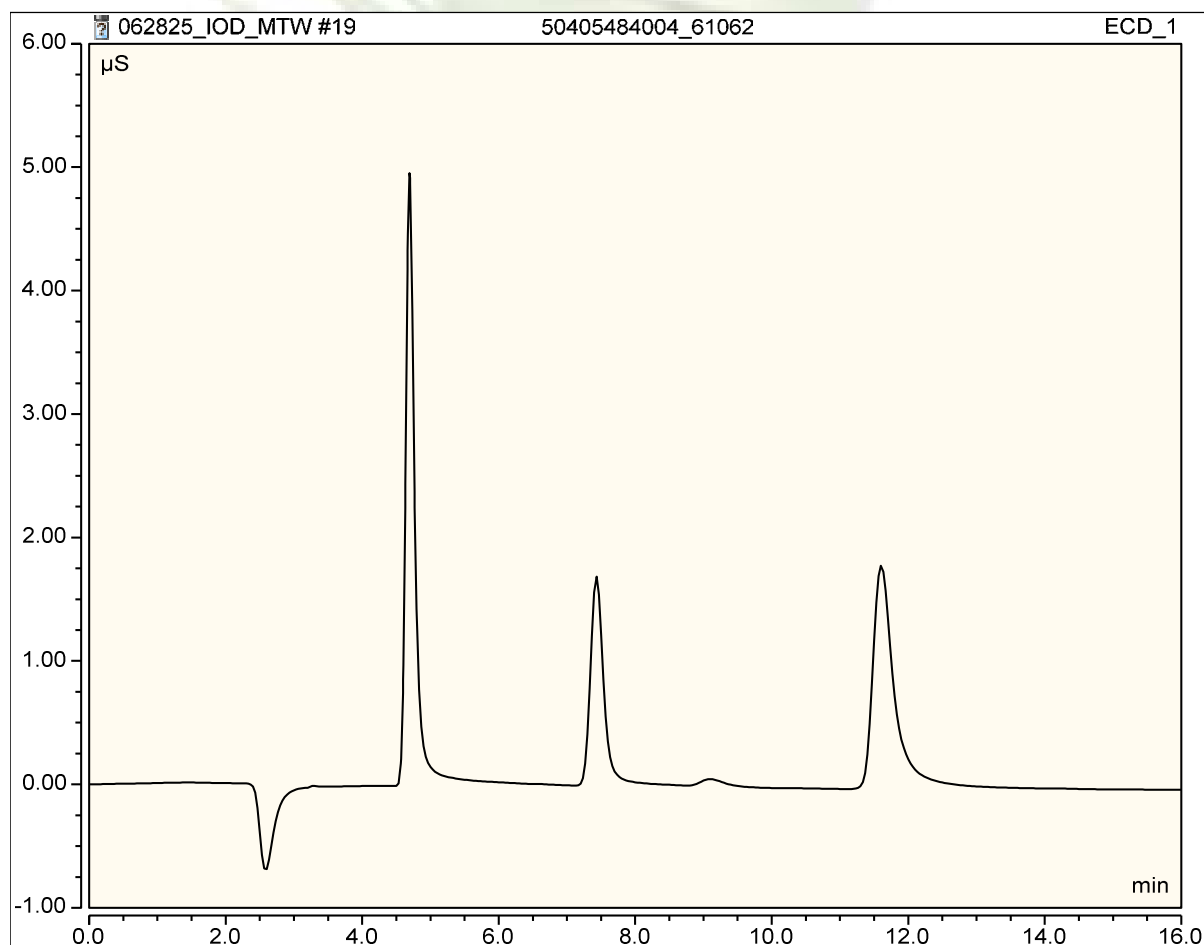
No.	Retention Time min	Name	Amount n.a.	Area $\mu\text{S} \cdot \text{min}$	Height μS	Type
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50405484004_61062

Sample Name:	50405484004_61062	Injection Volume (uL):	25.00
Vial Number:	RB5	Channel:	ECD_1
Sample Type:	Unknown	Calibration:	04/10/25 16:14
Control Program:	50IC04IOD	Eluent Stock:	416359
Quantif. Method:	CAL_IODIDE04	Dilution Factor	1.0000
Recording Time:	06/29/2025 00:16	Sample Weight:	1.0000
Run Time (min):	16.00	System Name:	50IC04

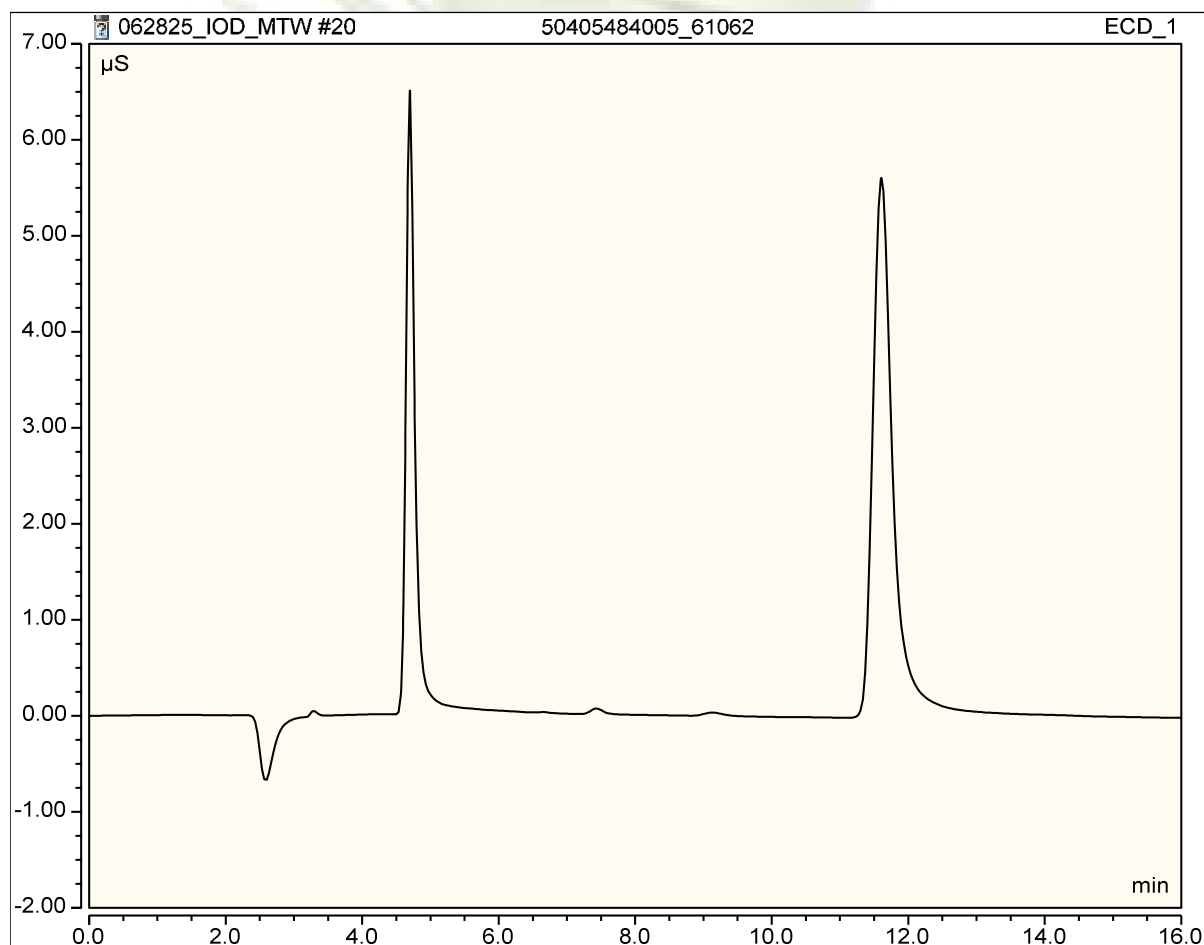
No.	Retention Time min	Name	Amount n.a.	Area $\mu\text{S}\cdot\text{min}$	Height μS	Type
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50405484005_61062

Sample Name:	50405484005_61062	Injection Volume (uL):	25.00
Vial Number:	RB6	Channel:	ECD_1
Sample Type:	Unknown	Calibration:	04/10/25 16:14
Control Program:	50IC04IOD	Eluent Stock:	416359
Quantif. Method:	CAL_IODIDE04	Dilution Factor	1.0000
Recording Time:	06/29/2025 00:35	Sample Weight:	1.0000
Run Time (min):	16.00	System Name:	50IC04

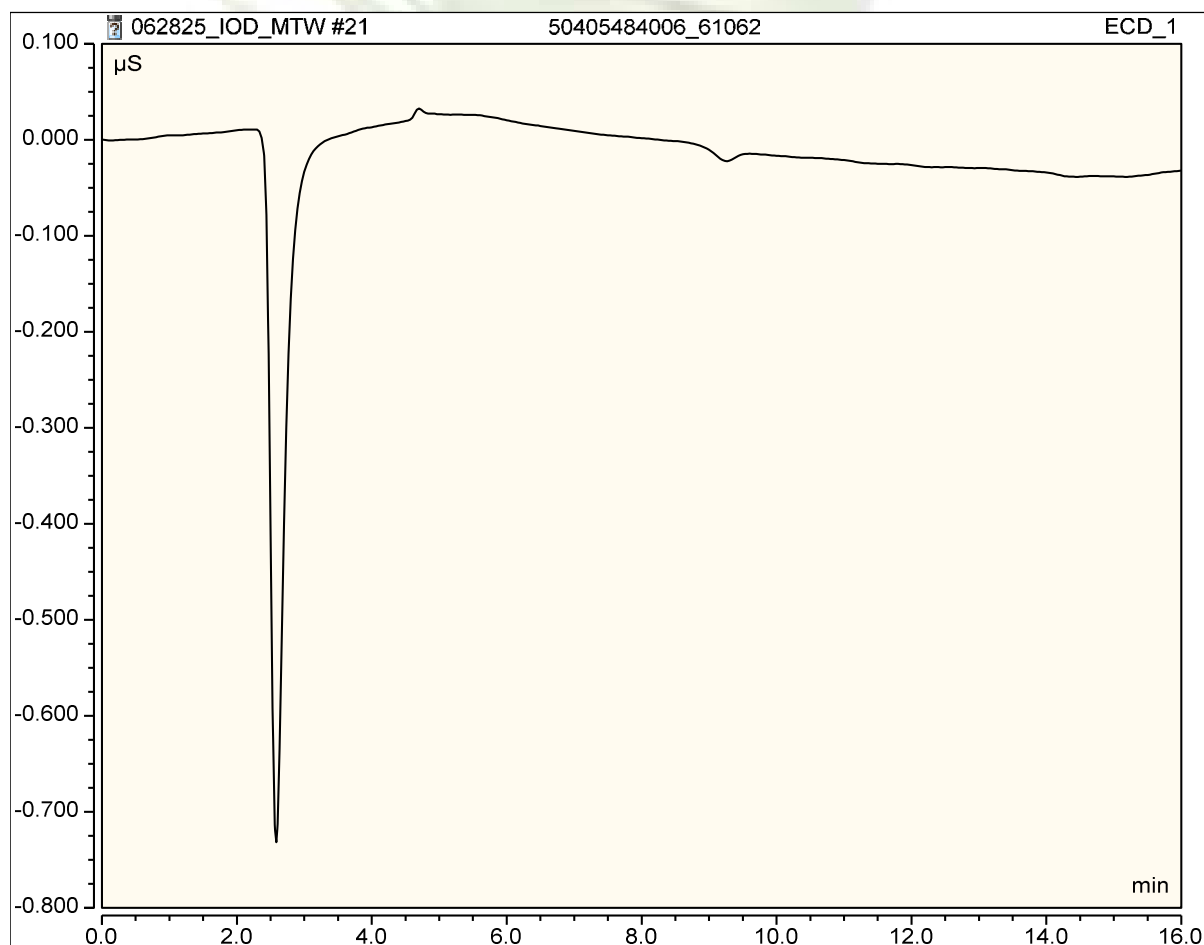
No.	Retention Time min	Name	Amount n.a.	Area $\mu\text{S} \cdot \text{min}$	Height μS	Type
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50405484006_61062

Sample Name:	50405484006_61062	Injection Volume (uL):	25.00
Vial Number:	RB7	Channel:	ECD_1
Sample Type:	Unknown	Calibration:	04/10/25 16:14
Control Program:	50IC04IOD	Eluent Stock:	416359
Quantif. Method:	CAL_IODIDE04	Dilution Factor	1.0000
Recording Time:	06/29/2025 00:55	Sample Weight:	1.0000
Run Time (min):	16.00	System Name:	50IC04

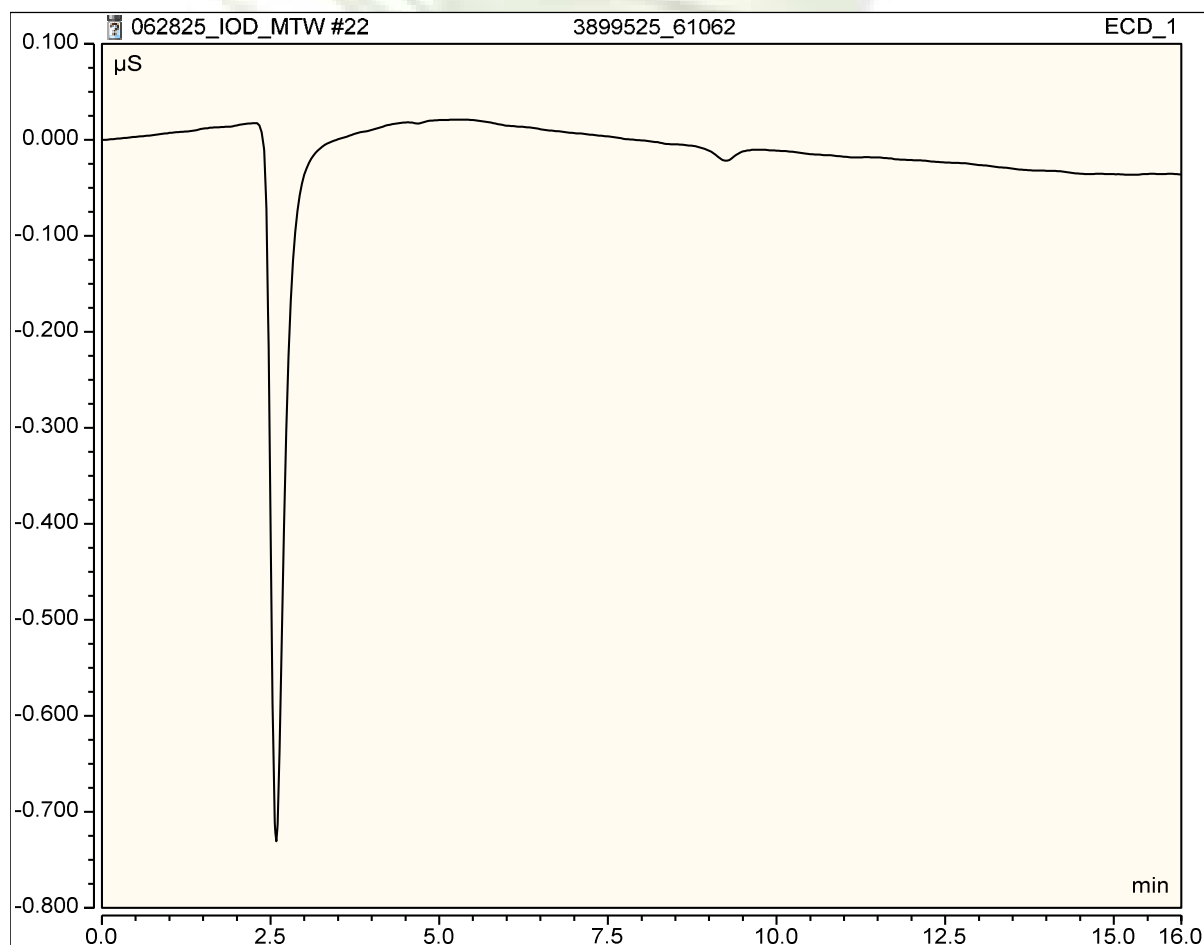
No.	Retention Time min	Name	Amount n.a.	Area $\mu\text{S}\cdot\text{min}$	Height μS	Type
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3899525_61062 **412749**

Sample Name:	3899525_61062	Injection Volume (uL):	25.00
Vial Number:	B4	Channel:	ECD_1
Sample Type:	Unknown	Calibration:	04/10/25 16:14
Control Program:	50IC04IOD	Eluent Stock:	416359
Quantif. Method:	CAL_IODIDE04	Dilution Factor	1.0000
Recording Time:	06/29/2025 01:14	Sample Weight:	1.0000
Run Time (min):	16.00	System Name:	50IC04

No.	Retention Time min	Name	Amount n.a.	Area μS*min	Height μS	Type
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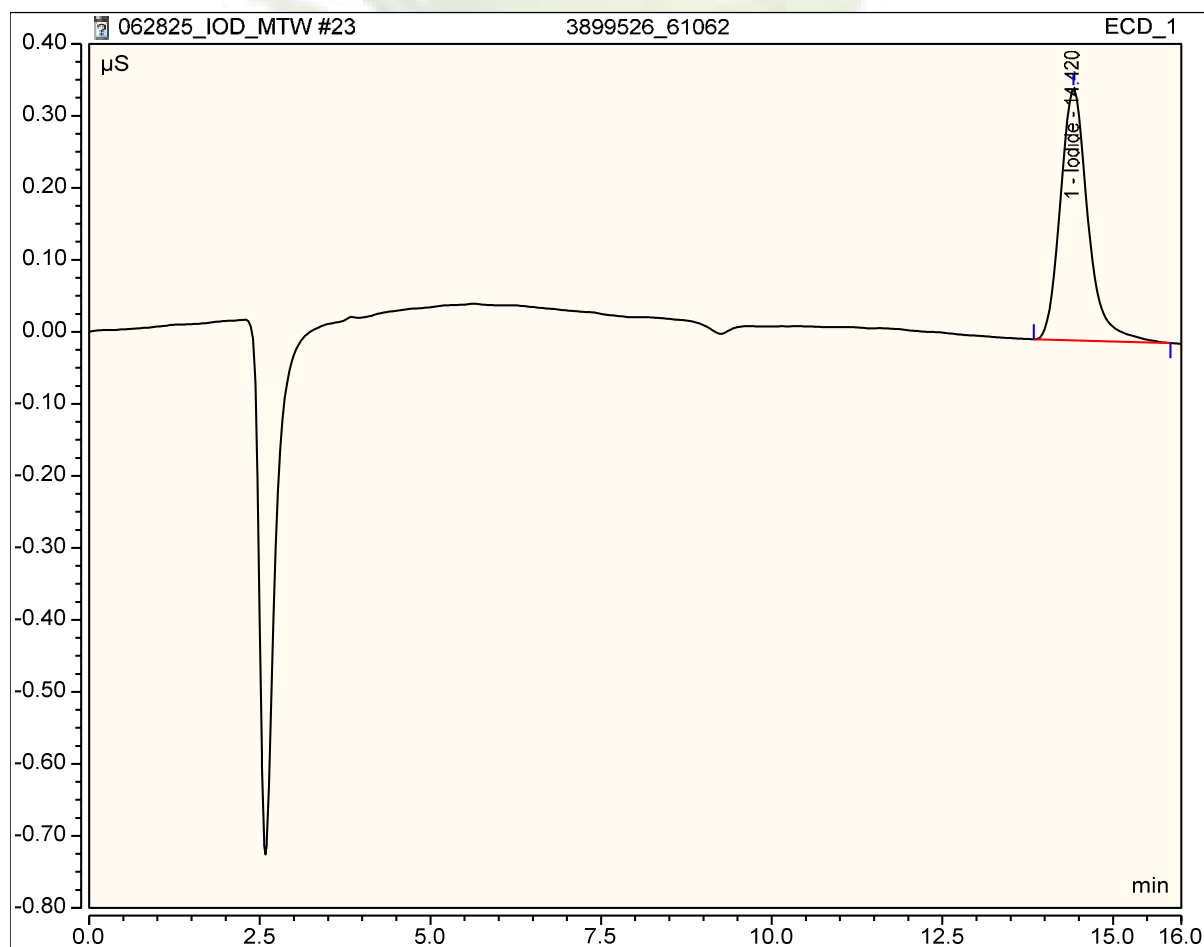


3899526_61062

340111

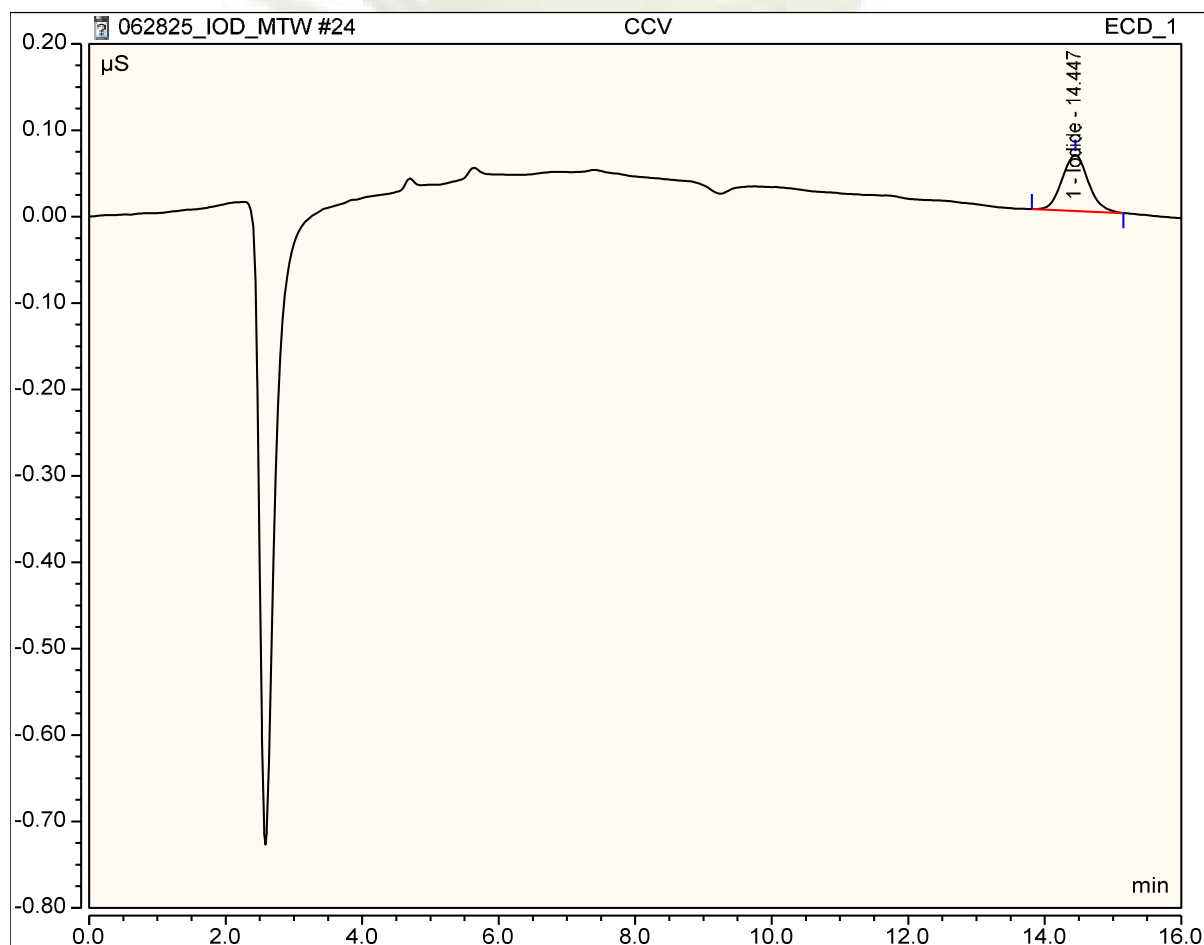
Sample Name:	3899526_61062	Injection Volume (uL):	25.00
Vial Number:	B3	Channel:	ECD_1
Sample Type:	Unknown	Calibration:	04/10/25 16:14
Control Program:	50IC04IOD	Eluent Stock:	416359
Quantif. Method:	CAL_IODIDE04	Dilution Factor	1.0000
Recording Time:	06/29/2025 01:33	Sample Weight:	1.0000
Run Time (min):	16.00	System Name:	50IC04

No.	Retention Time min	Name	Amount mg/L	Area $\mu\text{S}\cdot\text{min}$	Height μS	Type
1	14.42	Iodide	5.0684	0.164	0.349	BMB



CCV			
412749			
Sample Name:	CCV	Injection Volume (uL):	25.00
Vial Number:	B2	Channel:	ECD_1
Sample Type:	Unknown	Calibration:	04/10/25 16:14
Control Program:	50IC04IOD	Eluent Stock:	416359
Quantif. Method:	CAL_IODIDE04	Dilution Factor	1.0000
Recording Time:	06/29/2025 01:53	Sample Weight:	1.0000
Run Time (min):	16.00	System Name:	50IC04

No.	Retention Time min	Name	Amount mg/L	Area $\mu\text{S}\cdot\text{min}$	Height μS	Type
1	14.45	Iodide	0.9313	0.029	0.065	BMB



CCB			
340111			
Sample Name:	CCB	Injection Volume (uL):	25.00
Vial Number:	B1	Channel:	ECD_1
Sample Type:	Unknown	Calibration:	04/10/25 16:14
Control Program:	50IC04IOD	Eluent Stock:	416359
Quantif. Method:	CAL_IODIDE04	Dilution Factor	1.0000
Recording Time:	06/29/2025 02:12	Sample Weight:	1.0000
Run Time (min):	16.00	System Name:	50IC04

No.	Retention Time min	Name	Amount n.a.	Area $\mu\text{S}\cdot\text{min}$	Height μS	Type
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