284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

DATA PACKAGE

SEMI-VOLATILE ORGANICS
VOLATILE ORGANICS

PROJECT NAME : FORMER SCHLUMBERGER STC PTC SITE D3868221

JACOBS ENGINEERING GROUP, INC.

412 Mt. Kemble Ave

Downtown Building

Morristown, NJ - 07960

Phone No: 9732670555

ORDER ID : Q2377

ATTENTION : John Ynfante

Laboratory Certification ID # 20012

Table Of Contents for Q2377

DATA OF KNOWN QUALITY CONFORMANCE/NON-CONFORMANCE SUMMARY QUESTIONNAIRE

Laboratory Name :Alliance Technical Group LLC

Client : JACOBS Engineering Group, Inc.

Project Location : Princeton Junction

Project Number : D3868221

Laboratory Sample ID(s) : Q2377

Sampling Date(s) : 6/19/2025

List DKQP Methods Used (e.g., 8260,8270, et Cetra) **524.2,8270-Modified,SFAM_VOCSIM,SOP**

1	For each analytical method referenced in this laboratory report package, were all specified QA/QC performance criteria followed, including the requirement to explain any criteria falling outside of acceptable guidelines, as specified in the NJDEP Data of Known Quality performance standards?	☑ Yes ☐ No
1A	Were the method specified handling, preservation, and holding time requirements met?	☑ Yes ☐ No
1B	EPH Method: Was the EPH method conducted without significant modifications (see Section 11.3 of respective DKQ methods)	☐ Yes ☐ No ☑ N/A
2	Were all samples received by the laboratory in a condition consistent with that described on the associated chain-of-custody document(s)?	☑ Yes ☐ No
3	Were samples received at an appropriate temperature (4±2° C)?	☑ Yes ☐ No ☐ N/A
4	Were all QA/QC performance criteria specified in the NJDEP DKQP standards achieved?	☐ Yes ☑ No
5	a)Were reporting limits specified or referenced on the chain-of-custody or communicated to the laboratory prior to sample receipt? b)Were these reporting limits met?	☑ Yes ☐ No ☑ Yes ☐ No ☐ N/A
6	For each analytical method referenced in this laboratory report package, were results reported for all constituents identified in the method-specific analyte lists presented in the DKQP documents and/or site-specific QAPP?	☑ Yes ☐ No
7	Are project-specific matrix spikes and/or laboratory duplicates included in this data set?	☑ Yes ☐ No

Notes: For all questions to which the response was “No” (with the exception of question #7), additional information should be provided in an attached narrative. If the answer to question #1, #1A, or #1B is “No”, the data package does not meet the requirements for “Data of Known Quality.”

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Cover Page

Order ID : Q2377

Project ID : Former Schlumberger STC PTC Site D3868221

Client : JACOBS Engineering Group, Inc.

Lab Sample Number	Client Sample Number
Q2377-01	PW-B6-L66-061925
Q2377-02	PW-B6-L66-061925-SIM
Q2377-03	TB01-061925

I certify that the data package is in compliance with the terms and conditions of the contract,both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hard copy data package has been authorized by the laboratory manager or his designee, as verified by the following signature.

Signature : APPROVED
By Nimisha Pandya, QA/QC Supervisor at 12:07 pm, Jun 30, 2025

Date: 6/27/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

JACOBS Engineering Group, Inc.
Project Name: Former Schlumberger STC PTC Site D3868221
Project # N/A
Order ID # Q2377
Test Name: VOCMS Group3

A. Number of Samples and Date of Receipt:
3 Water samples were received on 06/19/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: SVOC-SIMGroup1, VOC-SIM and VOCMS Group3. This data package contains results for VOCMS Group3.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_U were done using GC column DB-624UI 20m 0.18mm 1.0 um. Cat#121-1324UIThe analysis of VOCMS Group3 was based on method 524.2.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.

The RPD for {VU0624WBSD01} with File ID: VU063433.D met criteria except for 1,1-Dichloroethene[26%] due to difference in results of BS and BSD.

The Blank Spike met requirements for all samples.
The Blank Spike Duplicate met requirements for all samples.
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements.
The Continuous Calibration met the requirements.
The Tuning criteria met requirements.

E. Additional Comments:
Samples for MS/MSD for VOC analysis were not provided with this set of samples. The Blank Spike Duplicate is reported with the data.

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Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature____ APPROVED
By Nimisha Pandya, QA/QC Supervisor at 12:07 pm, Jun 30, 2025

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CASE NARRATIVE

JACOBS Engineering Group, Inc.
Project Name: Former Schlumberger STC PTC Site D3868221
Project # N/A
Order ID # Q2377
Test Name: VOC-SIM

A. Number of Samples and Date of Receipt:
3 Water samples were received on 06/19/2025.

B. Parameters

According to the Chain of Custody document, the following analyses were requested: SVOC-SIMGroup1, VOC-SIM and VOCMS Group3. This data package contains results for VOC-SIM.

C. Analytical Techniques:

The analysis performed on instrument MSVOA_V were done using GC column DB-624UI 20m 0.18mm 1.0 um. Cat#121-1324UIThe analysis of VOC-SIM was based on method SFAM_VOCSIM.

D. QA/ QC Samples:

The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .
The Continuous Calibration met the requirements .
The Tuning criteria met requirements.

E. Additional Comments:

F. Manual Integration Comments:

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed

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above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature APPROVED
By Nimisha Pandya, QA/QC Supervisor at 12:07 pm, Jun 30, 2025

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CASE NARRATIVE

JACOBS Engineering Group, Inc.
Project Name: Former Schlumberger STC PTC Site D3868221
Project # N/A
Order ID # Q2377
Test Name: SVOC-SIMGroup1

A. Number of Samples and Date of Receipt:
3 Water samples were received on 06/19/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: SVOC-SIMGroup1, VOC-SIM and VOCMS Group3. This data package contains results for SVOC-SIMGroup1.

C. Analytical Techniques:
The samples were analyzed on instrument BNA_N using GC Column ZB-SemiVolatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGAThe analysis of SVOC-SIMGroup1 was based on method 8270-Modified and extraction was done based on method 3510.

D. QA/ QC Samples:
The Holding Times were met for all analysis.
The Surrogate recoveries met the acceptable criteria.
The Internal Standards Areas met the acceptable requirements.
The Retention Times were acceptable for all samples.
The RPD met criteria.
The Blank Spike met requirements for all samples.
The Blank Spike Duplicate met requirements for all samples.
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements.
The Tuning criteria met requirements.

E. Additional Comments:
The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.
Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

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F. Manual Integration Comments:

Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

I certify that the data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature APPROVED
By Nimisha Pandya, QA/QC Supervisor at 12:08 pm, Jun 30, 2025

284 Sheffield Street, Mountainside NJ 07092 Tel.
908-789-8900 Fax: 908-789-8922

DATA REPORTING QUALIFIERS- ORGANIC

For reporting results, the following " Results Qualifiers" are used:

Value	If the result is a value greater than or equal to the detection limit, report the value
U	Indicates the compound was analyzed for but was not detected. Report the minimum detection limit for the sample with the U, i.e. "10 U". This is not necessarily the instrument detection limit attainable for this particular sample based on any concentration or dilution that may have been required.
ND	Indicates the analyte was analyzed for, but not detected
J	Indicates an estimated value**.** This flag is used: (1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.) (2) When the mass spectral data indicated the identification, however the result was less than the specified detection limit greater than zero. If the detection limit was 10ug/L and a concentration of 3 ug/L was calculated report as 3 J. This is flag is used when similar situation arise on any organic parameter i.e. Pest, PCB and others.
B	Indicates the analyte was found in the blank as well as the sample report as "12 B".
E	Indicates the analyte 's concentration exceeds the calibrated range of the instrument for that specific analysis.
D	This flag identifies all compounds identified in an analysis at a secondary dilution factor.
P	This flag is used for Pesticide/PCB target analyte when there is >25% difference for detected concentrations between the two GC columns. The lower of the two values is reported on Form 1 and flagged with a "P".
N	This flag indicates presumptive evidence of a compound. This is only used for tentatively identified compounds (TICs), where the identification is based on a mass spectral library search. It applies to all TIC results. For generic characterization of a TIC, such as chlorinated hydrocarbon, the flag is not used.
A	This flag indicates that a Tentatively Identified Compound is a suspected aldol-condensation product.
Q	Indicates the LCS did not meet the control limits requirements

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q2377

	Completed
For thorough review, the report must have the following:	
GENERAL:	
Are all original paperwork present (chain of custody, record of communication,airbill, sample management lab chronicle, login page)	✓
Check chain-of-custody for proper relinquish/return of samples	✓
Is the chain of custody signed and complete	✓
Check internal chain-of-custody for proper relinquish/return of samples /sample extracts	✓
Collect information for each project id from server. Were all requirements followed	✓
COVER PAGE:	
Do numbers of samples correspond to the number of samples in the Chain of Custody on login page	✓
Do lab numbers and client Ids on cover page agree with the Chain of Custody	✓
CHAIN OF CUSTODY:	
Do requested analyses on Chain of Custody agree with form I results	✓
Do requested analyses on Chain of Custody agree with the log-in page	✓
Were the correct method log-in for analysis according to the Analytical Request and Chain of Castody	✓
Were the samples received within hold time	✓
Were any problems found with the samples at arrival recorded in the Sample Management Laboratory Chronicle	✓
ANALYTICAL:	
Was method requirement followed?	✓
Was client requirement followed?	✓
Does the case narrative summarize all QC failure?	✓
All runlogs and manual integration are reviewed for requirements	✓
All manual calculations and /or hand notations verified	✓

QA Review Signature: MOHAMMAD AHMED **Date:** 06/27/2025

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Hit Summary Sheet
SW-846

SDG No.: Q2377

Client: JACOBS Engineering Group, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:								
				0				

Total Voc :

Total Concentration:

SAMPLE DATA

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	06/19/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	06/19/25
Client Sample ID:	PW-B6-L66-061925	SDG No.:	Q2377
Lab Sample ID:	Q2377-01	Matrix:	Water
Analytical Method:	E524.2	% Solid:	0
Sample Wt/Vol:	25 Units: mL	Final Vol:	25000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU063434.D	1		06/24/25 12:54	VU062425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.13	U	0.13	0.50	ug/L
75-35-4	1,1-Dichloroethene	0.12	U	0.12	0.50	ug/L
75-34-3	1,1-Dichloroethane	0.13	U	0.13	0.50	ug/L
156-59-2	cis-1,2-Dichloroethene	0.13	U	0.13	0.50	ug/L
71-43-2	Benzene	0.11	U	0.11	0.50	ug/L
107-06-2	1,2-Dichloroethane	0.16	U	0.16	0.50	ug/L
79-01-6	Trichloroethene	0.13	U	0.13	0.50	ug/L
79-00-5	1,1,2-Trichloroethane	0.13	U	0.13	0.50	ug/L
127-18-4	Tetrachloroethene	0.14	U	0.14	0.50	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	0.13	U	0.13	0.50	ug/L
SURROGATES						
2199-69-1	1,2-Dichlorobenzene-d4	0.80		70 (70) - 130 (130)	80%	SPK: 1
460-00-4	4-Bromofluorobenzene	0.80		70 (70) - 130 (130)	80%	SPK: 1
INTERNAL STANDARDS						
462-06-6	Fluorobenzene	46300	6.107			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	06/19/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	06/19/25
Client Sample ID:	TB01-061925	SDG No.:	Q2377
Lab Sample ID:	Q2377-03	Matrix:	Water
Analytical Method:	E524.2	% Solid:	0
Sample Wt/Vol:	25 Units: mL	Final Vol:	25000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU063435.D	1		06/24/25 13:22	VU062425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.13	U	0.13	0.50	ug/L
75-35-4	1,1-Dichloroethene	0.12	U	0.12	0.50	ug/L
75-34-3	1,1-Dichloroethane	0.13	U	0.13	0.50	ug/L
156-59-2	cis-1,2-Dichloroethene	0.13	U	0.13	0.50	ug/L
71-43-2	Benzene	0.11	U	0.11	0.50	ug/L
107-06-2	1,2-Dichloroethane	0.16	U	0.16	0.50	ug/L
79-01-6	Trichloroethene	0.13	U	0.13	0.50	ug/L
79-00-5	1,1,2-Trichloroethane	0.13	U	0.13	0.50	ug/L
127-18-4	Tetrachloroethene	0.14	U	0.14	0.50	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	0.13	U	0.13	0.50	ug/L
SURROGATES						
2199-69-1	1,2-Dichlorobenzene-d4	0.92		70 (70) - 130 (130)	92%	SPK: 1
460-00-4	4-Bromofluorobenzene	0.89		70 (70) - 130 (130)	89%	SPK: 1
INTERNAL STANDARDS						
462-06-6	Fluorobenzene	40700	6.107			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

QC SUMMARY

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Surrogate Summary

SDG No.: Q2377

Client: JACOBS Engineering Group, Inc.

Analytical Method: SW524.2

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q2377-01	PW-B6-L66-061925	1,2-Dichlorobenzene-d4	1	0.80	80	70 (70)	130 (130)
		4-Bromofluorobenzene	1	0.80	80	70 (70)	130 (130)
Q2377-03	TB01-061925	1,2-Dichlorobenzene-d4	1	0.92	92	70 (70)	130 (130)
		4-Bromofluorobenzene	1	0.89	89	70 (70)	130 (130)
VU0624WBL01	VU0624WBL01	1,2-Dichlorobenzene-d4	1	0.73	73	70 (70)	130 (130)
		4-Bromofluorobenzene	1	0.74	74	70 (70)	130 (130)
VU0624WBS01	VU0624WBS01	1,2-Dichlorobenzene-d4	1	0.99	99	70 (70)	130 (130)
		4-Bromofluorobenzene	1	1.00	100	70 (70)	130 (130)
VU0624WBSD0	VU0624WBSD01	1,2-Dichlorobenzene-d4	1	1.00	100	70 (70)	130 (130)
		4-Bromofluorobenzene	1	1.00	100	70 (70)	130 (130)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2377

Client: JACOBS Engineering Group, Inc.

Analytical Method: SW524.2 **Datafile :** VU063432.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VU0624WBS01	Vinyl Chloride	2	1.70	ug/L	85			70 (70)	130 (130)	
	1,1-Dichloroethene	2	1.70	ug/L	85			70 (70)	130 (130)	
	1,1-Dichloroethane	2	2.00	ug/L	100			70 (70)	130 (130)	
	cis-1,2-Dichloroethene	2	2.00	ug/L	100			70 (70)	130 (130)	
	Benzene	2	2.00	ug/L	100			70 (70)	130 (130)	
	1,2-Dichloroethane	2	2.00	ug/L	100			70 (70)	130 (130)	
	Trichloroethene	2	1.90	ug/L	95			70 (70)	130 (130)	
	1,1,2-Trichloroethane	2	1.90	ug/L	95			70 (70)	130 (130)	
	Tetrachloroethene	2	2.00	ug/L	100			70 (70)	130 (130)	
	1,1,1,2-Tetrachloroethane	2	1.90	ug/L	95			70 (70)	130 (130)	

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2377

Client: JACOBS Engineering Group, Inc.

Analytical Method: SW524.2 **Datafile :** VU063433.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VU0624WBSD01	Vinyl Chloride	2	1.70	ug/L	85	0		70 (70)	130 (130)	20 (20)
	1,1-Dichloroethene	2	2.20	ug/L	110	26	*	70 (70)	130 (130)	20 (20)
	1,1-Dichloroethane	2	2.10	ug/L	105	5		70 (70)	130 (130)	20 (20)
	cis-1,2-Dichloroethene	2	2.00	ug/L	100	0		70 (70)	130 (130)	20 (20)
	Benzene	2	2.10	ug/L	105	5		70 (70)	130 (130)	20 (20)
	1,2-Dichloroethane	2	2.00	ug/L	100	0		70 (70)	130 (130)	20 (20)
	Trichloroethene	2	2.00	ug/L	100	5		70 (70)	130 (130)	20 (20)
	1,1,2-Trichloroethane	2	2.00	ug/L	100	5		70 (70)	130 (130)	20 (20)
	Tetrachloroethene	2	2.00	ug/L	100	0		70 (70)	130 (130)	20 (20)
	1,1,1,2-Tetrachloroethane	2	2.00	ug/L	100	5		70 (70)	130 (130)	20 (20)

( ) = LABORATORY INHOUSE LIMIT

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VU0624WBL01

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q2377 SAS No.: Q2377 SDG NO.: Q2377

Lab File ID: VU063431.D Lab Sample ID: VU0624WBL01

Date Analyzed: 06/24/2025 Time Analyzed: 11:14

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOA_U

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VU0624WBS01	VU0624WBS01	VU063432.D	06/24/2025
VU0624WBSD01	VU0624WBSD01	VU063433.D	06/24/2025
PW-B6-L66-061925	Q2377-01	VU063434.D	06/24/2025
TB01-061925	Q2377-03	VU063435.D	06/24/2025

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q2377 SAS No.: Q2377 SDG NO.: Q2377

Lab File ID: VU063419.D BFB Injection Date: 06/23/2025

Instrument ID: MSVOA_U BFB Injection Time: 08:48

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.3
75	30.0 - 60.0% of mass 95	51.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	1.1 (1.4) 1
174	50.0 - 100.0% of mass 95	74.9
175	5.0 - 9.0% of mass 174	5.6 (7.4) 1
176	95.0 - 101.0% of mass 174	71.6 (95.6) 1
177	5.0 - 9.0% of mass 176	4.8 (6.7) 2

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

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC001	VSTDICC001	VU063421.D	06/23/2025	10:34
VSTDICC002	VSTDICC002	VU063422.D	06/23/2025	11:08
VSTDICC005	VSTDICC005	VU063423.D	06/23/2025	11:39
VSTDICCC010	VSTDICCC010	VU063424.D	06/23/2025	12:12
VSTDICC015	VSTDICC015	VU063425.D	06/23/2025	13:05
VSTDICC0.5	VSTDICC0.5	VU063427.D	06/23/2025	14:36

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q2377 SAS No.: Q2377 SDG NO.: Q2377

Lab File ID: VU063429.D BFB Injection Date: 06/24/2025

Instrument ID: MSVOA_U BFB Injection Time: 09:49

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.4
75	30.0 - 60.0% of mass 95	49
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.3
173	Less than 2.0% of mass 174	1 (1.3) 1
174	50.0 - 100.0% of mass 95	75.1
175	5.0 - 9.0% of mass 174	5.9 (7.8) 1
176	95.0 - 101.0% of mass 174	71.3 (95) 1
177	5.0 - 9.0% of mass 176	4.7 (6.6) 2

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

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC010	VSTDCCC010	VU063430.D	06/24/2025	10:17
VU0624WBL01	VU0624WBL01	VU063431.D	06/24/2025	11:14
VU0624WBS01	VU0624WBS01	VU063432.D	06/24/2025	11:48
VU0624WBSD01	VU0624WBSD01	VU063433.D	06/24/2025	12:16
PW-B6-L66-061925	Q2377-01	VU063434.D	06/24/2025	12:54
TB01-061925	Q2377-03	VU063435.D	06/24/2025	13:22

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q2377 SAS No.: Q2377 SDG NO.: Q2377

Lab File ID: VU063430.D Date Analyzed: 06/24/2025

Instrument ID: MSVOA_U Time Analyzed: 10:17

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	56764	6.10	0	0.00	0	0.00
UPPER LIMIT	73793.2	6.603	0		0	
LOWER LIMIT	39734.8	5.603	0		0	
EPA SAMPLE NO.						
PW-B6-L66-061925	46278	6.11	0	0.00	0	0.00
TB01-061925	40746	6.11	0	0.00	0	0.00
VU0624WBL01	48463	6.11	0	0.00	0	0.00
VU0624WBS01	50423	6.10	0	0.00	0	0.00
VU0624WBSD01	48924	6.10	0	0.00	0	0.00

IS1 = Fluorobenzene
IS2 =
IS3 =

AREA UPPER LIMIT = +30% of internal standard area
AREA LOWER LIMIT = -30% of internal standard area
RT UPPER LIMIT = +0.50 minutes of internal standard RT
RT LOWER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

QC SAMPLE DATA

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	
Client Sample ID:	VU0624WBL01	SDG No.:	Q2377
Lab Sample ID:	VU0624WBL01	Matrix:	Water
Analytical Method:	E524.2	% Solid:	0
Sample Wt/Vol:	25 Units: mL	Final Vol:	25000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU063431.D	1		06/24/25 11:14	VU062425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.13	U	0.13	0.50	ug/L
75-35-4	1,1-Dichloroethene	0.12	U	0.12	0.50	ug/L
75-34-3	1,1-Dichloroethane	0.13	U	0.13	0.50	ug/L
156-59-2	cis-1,2-Dichloroethene	0.13	U	0.13	0.50	ug/L
71-43-2	Benzene	0.11	U	0.11	0.50	ug/L
107-06-2	1,2-Dichloroethane	0.16	U	0.16	0.50	ug/L
79-01-6	Trichloroethene	0.13	U	0.13	0.50	ug/L
79-00-5	1,1,2-Trichloroethane	0.13	U	0.13	0.50	ug/L
127-18-4	Tetrachloroethene	0.14	U	0.14	0.50	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	0.13	U	0.13	0.50	ug/L
SURROGATES						
2199-69-1	1,2-Dichlorobenzene-d4	0.73		70 (70) - 130 (130)	73%	SPK: 1
460-00-4	4-Bromofluorobenzene	0.74		70 (70) - 130 (130)	74%	SPK: 1
INTERNAL STANDARDS						
462-06-6	Fluorobenzene	48500	6.106			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	
Client Sample ID:	VU0624WBS01	SDG No.:	Q2377
Lab Sample ID:	VU0624WBS01	Matrix:	Water
Analytical Method:	E524.2	% Solid:	0
Sample Wt/Vol:	25 Units: mL	Final Vol:	25000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU063432.D	1		06/24/25 11:48	VU062425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	1.70		0.13	0.50	ug/L
75-35-4	1,1-Dichloroethene	1.70		0.12	0.50	ug/L
75-34-3	1,1-Dichloroethane	2.00		0.13	0.50	ug/L
156-59-2	cis-1,2-Dichloroethene	2.00		0.13	0.50	ug/L
71-43-2	Benzene	2.00		0.11	0.50	ug/L
107-06-2	1,2-Dichloroethane	2.00		0.16	0.50	ug/L
79-01-6	Trichloroethene	1.90		0.13	0.50	ug/L
79-00-5	1,1,2-Trichloroethane	1.90		0.13	0.50	ug/L
127-18-4	Tetrachloroethene	2.00		0.14	0.50	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	1.90		0.13	0.50	ug/L
SURROGATES						
2199-69-1	1,2-Dichlorobenzene-d4	0.99		70 (70) - 130 (130)	99%	SPK: 1
460-00-4	4-Bromofluorobenzene	1.00		70 (70) - 130 (130)	100%	SPK: 1
INTERNAL STANDARDS						
462-06-6	Fluorobenzene	50400	6.103			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
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Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	
Client Sample ID:	VU0624WBSD01	SDG No.:	Q2377
Lab Sample ID:	VU0624WBSD01	Matrix:	Water
Analytical Method:	E524.2	% Solid:	0
Sample Wt/Vol:	25 Units: mL	Final Vol:	25000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VU063433.D	1		06/24/25 12:16	VU062425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	1.70		0.13	0.50	ug/L
75-35-4	1,1-Dichloroethene	2.20		0.12	0.50	ug/L
75-34-3	1,1-Dichloroethane	2.10		0.13	0.50	ug/L
156-59-2	cis-1,2-Dichloroethene	2.00		0.13	0.50	ug/L
71-43-2	Benzene	2.10		0.11	0.50	ug/L
107-06-2	1,2-Dichloroethane	2.00		0.16	0.50	ug/L
79-01-6	Trichloroethene	2.00		0.13	0.50	ug/L
79-00-5	1,1,2-Trichloroethane	2.00		0.13	0.50	ug/L
127-18-4	Tetrachloroethene	2.00		0.14	0.50	ug/L
630-20-6	1,1,1,2-Tetrachloroethane	2.00		0.13	0.50	ug/L
SURROGATES						
2199-69-1	1,2-Dichlorobenzene-d4	1.00		70 (70) - 130 (130)	100%	SPK: 1
460-00-4	4-Bromofluorobenzene	1.00		70 (70) - 130 (130)	100%	SPK: 1
INTERNAL STANDARDS						
462-06-6	Fluorobenzene	48900	6.103			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

CALIBRATION SUMMARY

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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q2377 SAS No.: Q2377 SDG No.: Q2377

Instrument ID: MSVOA_U Calibration Date(s): 06/23/2025 06/23/2025

Heated Purge: (Y/N) N Calibration Time(s): 10:34 14:36

GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID: RRF001 = VU063421.D RRF002 = VU063422.D RRF005 = VU063423.D
RRF010 = VU063424.D RRF015 = VU063425.D RRF0.5 = VU063427.D

COMPOUND	RRF001	RRF002	RRF005	RRF010	RRF015	RRF0.5	$\overline{RRF}$	% RSD
Vinyl Chloride	0.422	0.418	0.453	0.444	0.432	0.431	0.433	3
1,1-Dichloroethene	0.272	0.250	0.274	0.269	0.265	0.246	0.263	4.5
1,1-Dichloroethane	0.600	0.596	0.644	0.631	0.612	0.639	0.620	3.3
cis-1,2-Dichloroethene	0.320	0.308	0.335	0.320	0.314	0.337	0.322	3.5
Benzene	1.241	1.220	1.389	1.377	1.301	1.290	1.303	5.3
1,2-Dichloroethane	0.367	0.364	0.393	0.397	0.384	0.379	0.381	3.5
Trichloroethene	0.297	0.294	0.327	0.321	0.318	0.291	0.308	5.2
1,1,2-Trichloroethane	0.232	0.237	0.261	0.256	0.252	0.238	0.246	4.8
Tetrachloroethene	0.290	0.278	0.320	0.323	0.321	0.280	0.302	7.1
1,1,1,2-Tetrachloroethane	0.263	0.261	0.286	0.289	0.283	0.272	0.276	4.4
1,2-Dichlorobenzene-d4	0.367	0.359	0.374	0.398	0.390	0.325	0.369	7
4-Bromofluorobenzene	0.341	0.354	0.381	0.423	0.392	0.313	0.367	10.7

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q2377 SAS No.: Q2377 SDG No.: Q2377

Instrument ID: MSVOA_U Calibration Date/Time: 06/24/2025 10:17

Lab File ID: VU063430.D Init. Calib. Date(s): 06/23/2025 06/23/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:34 14:36

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF010	MIN RRF	%D	MAX%D
Vinyl Chloride	0.433	0.334		-22.86	30
1,1-Dichloroethene	0.263	0.210		-20.15	30
1,1-Dichloroethane	0.620	0.590		-4.84	30
cis-1,2-Dichloroethene	0.322	0.302		-6.21	30
Benzene	1.303	1.270		-2.53	30
1,2-Dichloroethane	0.381	0.350		-8.14	30
Trichloroethene	0.308	0.291		-5.52	30
1,1,2-Trichloroethane	0.246	0.231		-6.1	30
Tetrachloroethene	0.302	0.289		-4.3	30
1,1,1,2-Tetrachloroethane	0.276	0.266		-3.62	30
1,2-Dichlorobenzene-d4	0.369	0.351		-4.88	30
4-Bromofluorobenzene	0.367	0.409		11.44	30

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

SAMPLE RAW DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062425\
Data File : VU063434.D
Acq On : 24 Jun 2025 12:54
Operator : MD/SY
Sample : Q2377-01
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
PW-B6-L66-061925

Quant Time: Jun 25 08:21:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U062325DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Wed Jun 25 03:53:43 2025
Response via : Initial Calibration

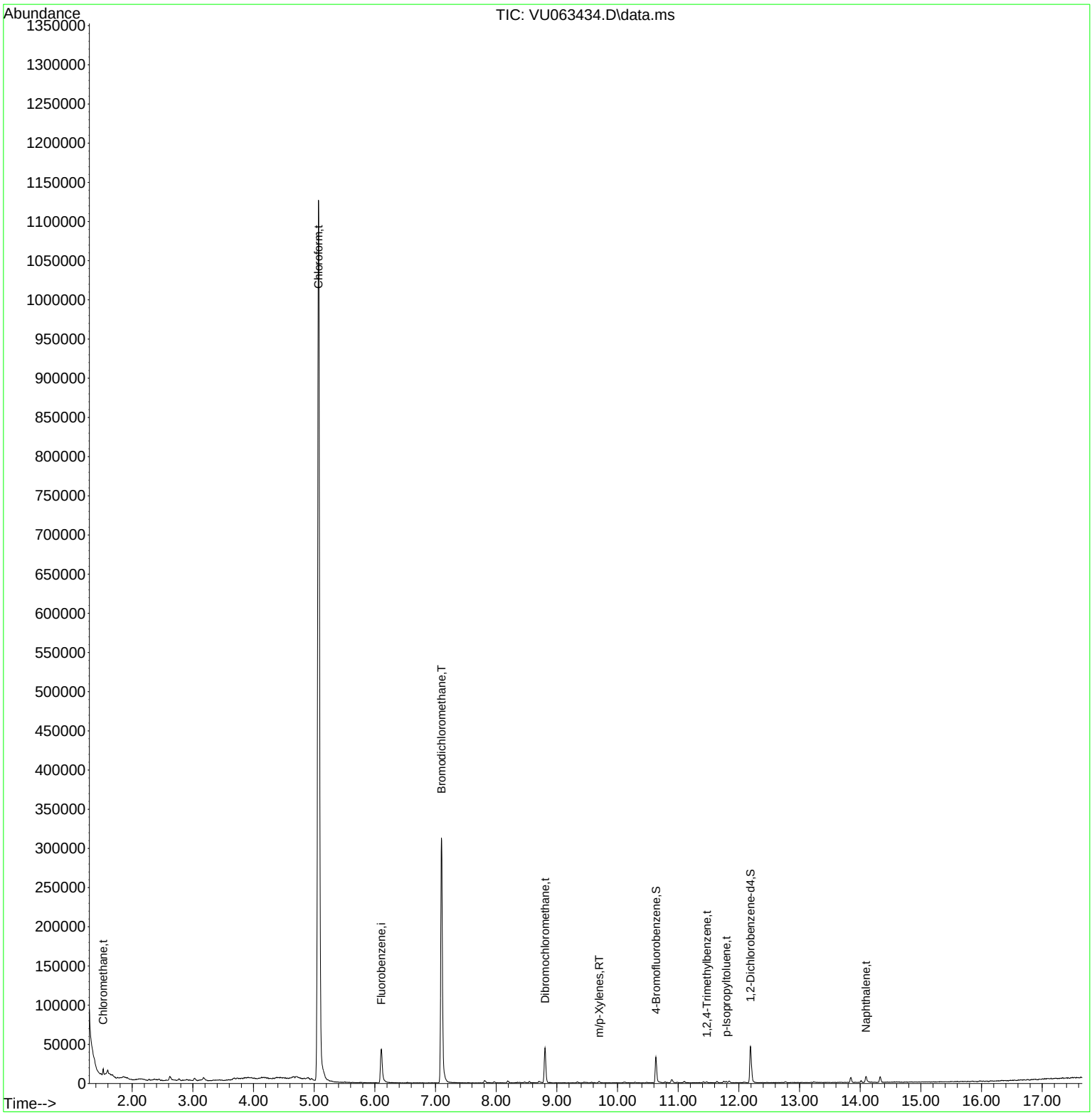
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Fluorobenzene	6.107	96	46278	1.000	ug/l		# 0.00
System Monitoring Compounds							
57) 4-Bromofluorobenzene	10.634	95	13619	0.802	ug/l		0.00
Spiked Amount 1.000			Recovery =	80.000%			
68) 1,2-Dichlorobenzene-d4	12.190	152	13641	0.799	ug/l		0.00
Spiked Amount 1.000			Recovery =	80.000%			
Target Compounds							Qvalue
3) Chloromethane	1.522	50	4919	0.210	ug/l		99
27) Chloroform	5.071	83	1047169	38.909	ug/l		99
44) Bromodichloromethane	7.097	83	223947	11.817	ug/l		99
55) Dibromochloromethane	8.804	129	25656	2.186	ug/l		98
64) m/p-Xylenes	9.695	106	618	0.809	ug/l	#	64
78) 1,2,4-Trimethylbenzene	11.473	105	1007	0.434	ug/l		98
81) p-Isopropyltoluene	11.791	119	1272	0.432	ug/l		92
89) Naphthalene	14.094	128	9003	1.136	ug/l	#	93

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062425\
Data File : VU063434.D
Acq On : 24 Jun 2025 12:54
Operator : MD/SY
Sample : Q2377-01
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 7 Sample Multiplier: 1

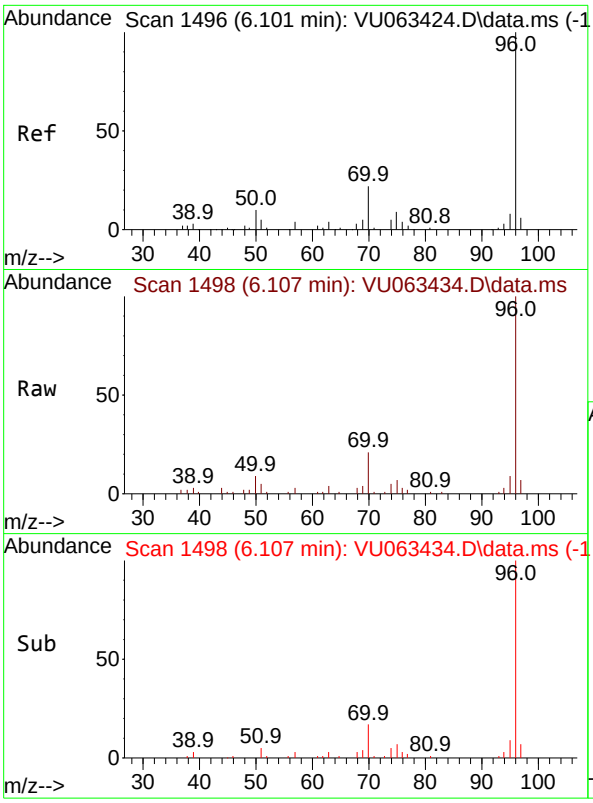
Instrument :
MSVOA_U
ClientSampleId :
PW-B6-L66-061925

Quant Time: Jun 25 08:21:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U062325DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Wed Jun 25 03:53:43 2025
Response via : Initial Calibration



5

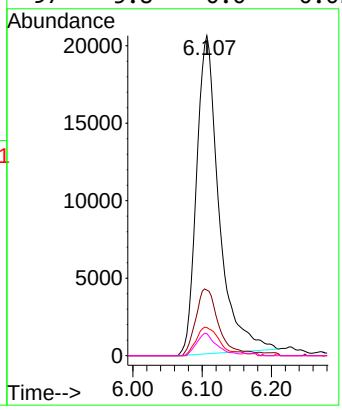
Instrument :
MSVOA_U
ClientSampleId :
PW-B6-L66-061925

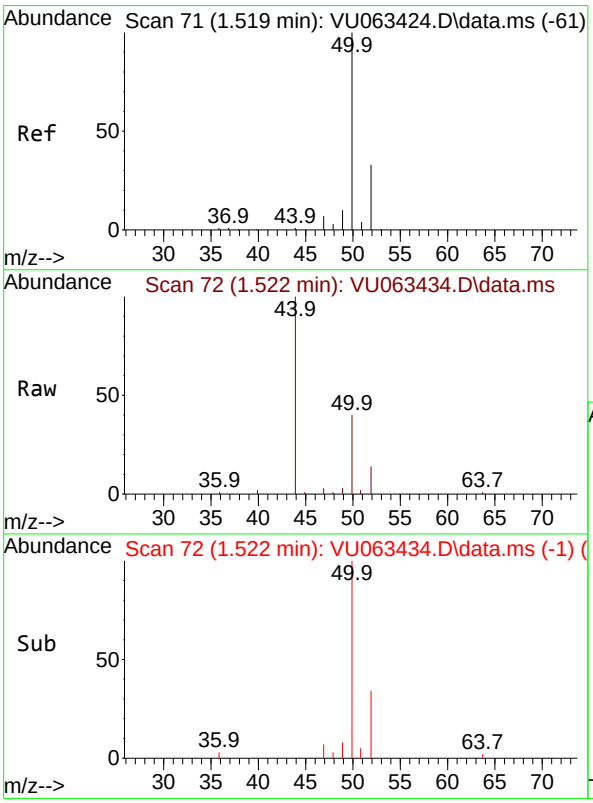


#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.107 min Scan# 14
Delta R.T. 0.006 min
Lab File: VU063434.D
Acq: 24 Jun 2025 12:54

Tgt Ion: 96 Resp: 46278

Ion	Ratio	Lower	Upper
96	100		
70	20.2	16.4	24.6
95	8.9	6.2	9.2
97	5.8	0.0	0.0#

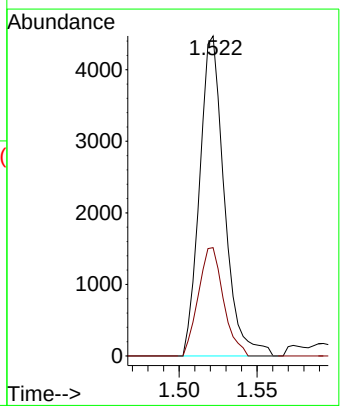


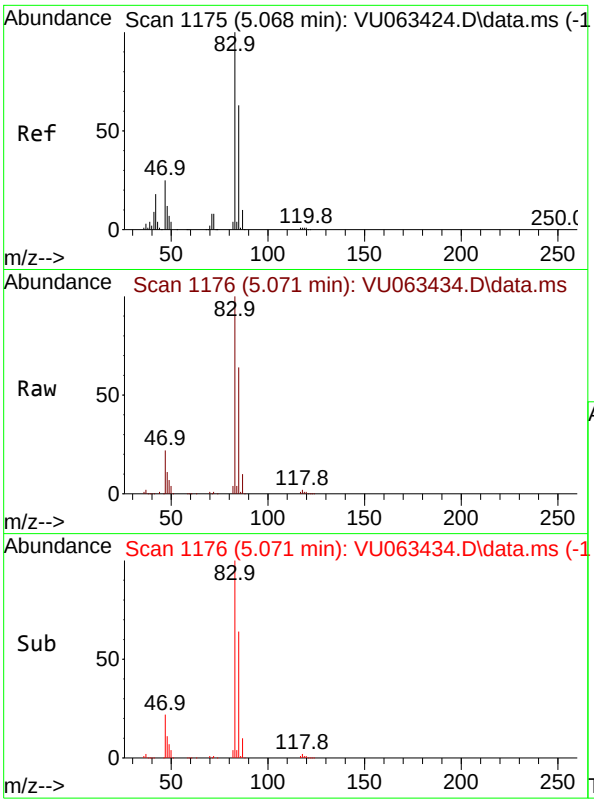


#3
Chloromethane
Concen: 0.210 ug/l
RT: 1.522 min Scan# 72
Delta R.T. 0.003 min
Lab File: VU063434.D
Acq: 24 Jun 2025 12:54

Tgt Ion: 50 Resp: 4919

Ion	Ratio	Lower	Upper
50	100		
52	33.8	26.6	40.0



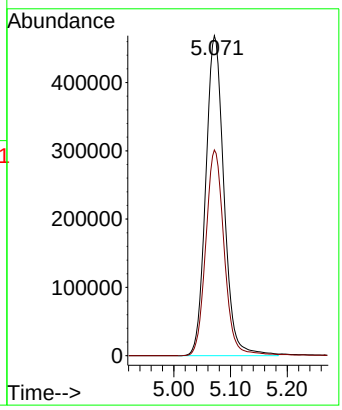


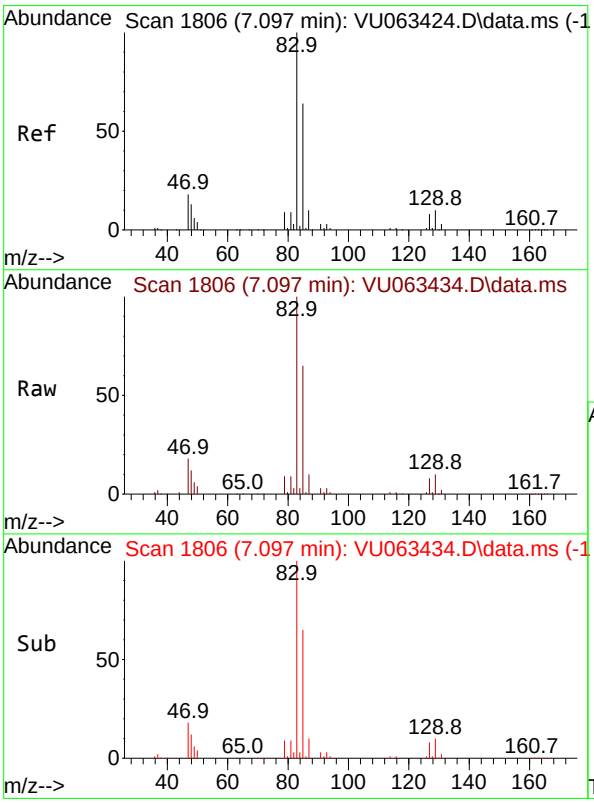
#27
Chloroform
Concen: 38.909 ug/l
RT: 5.071 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU063434.D
Acq: 24 Jun 2025 12:54

Instrument :
MSVOA_U
ClientSampleId :
PW-B6-L66-061925

Tgt Ion: 83 Resp: 1047169

Ion	Ratio	Lower	Upper
83	100		
85	64.3	0.0	126.8

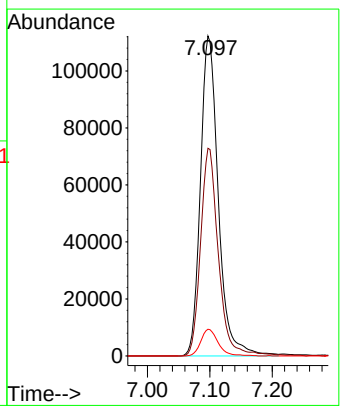




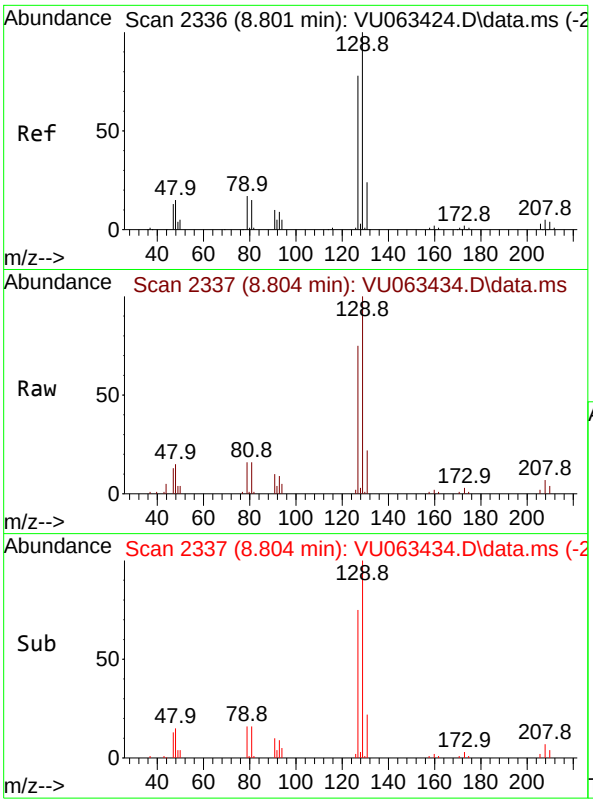
#44
Bromodichloromethane
Concen: 11.817 ug/l
RT: 7.097 min Scan# 1806
Delta R.T. 0.000 min
Lab File: VU063434.D
Acq: 24 Jun 2025 12:54

Tgt Ion: 83 Resp: 223947

Ion	Ratio	Lower	Upper
83	100		
85	64.9	51.4	77.2
127	8.3	6.6	10.0



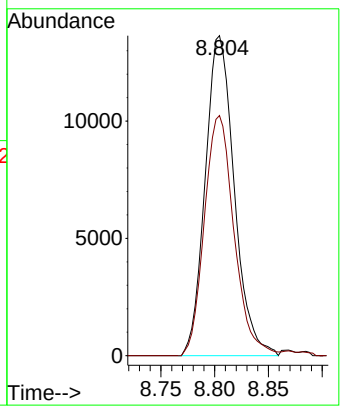
Instrument :
MSVOA_U
ClientSampleId :
PW-B6-L66-061925

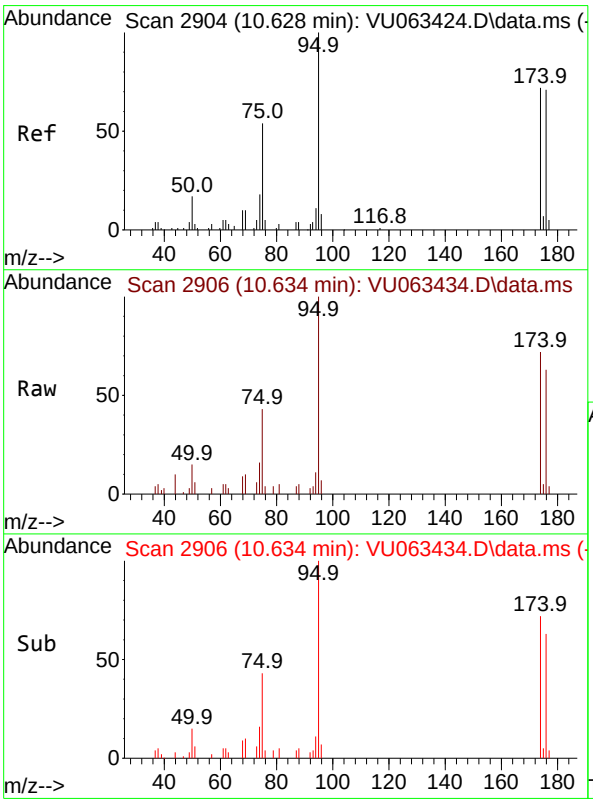


#55
Dibromochloromethane
Concen: 2.186 ug/l
RT: 8.804 min Scan# 2
Delta R.T. 0.003 min
Lab File: VU063434.D
Acq: 24 Jun 2025 12:54

Tgt Ion:129 Resp: 25656

Ion	Ratio	Lower	Upper
129	100		
127	76.7	62.6	93.8

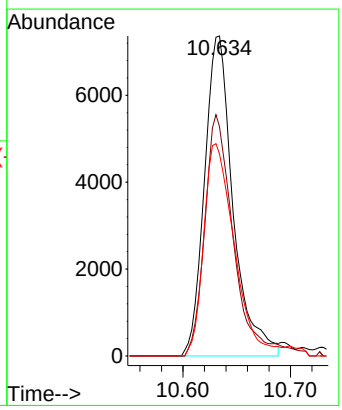


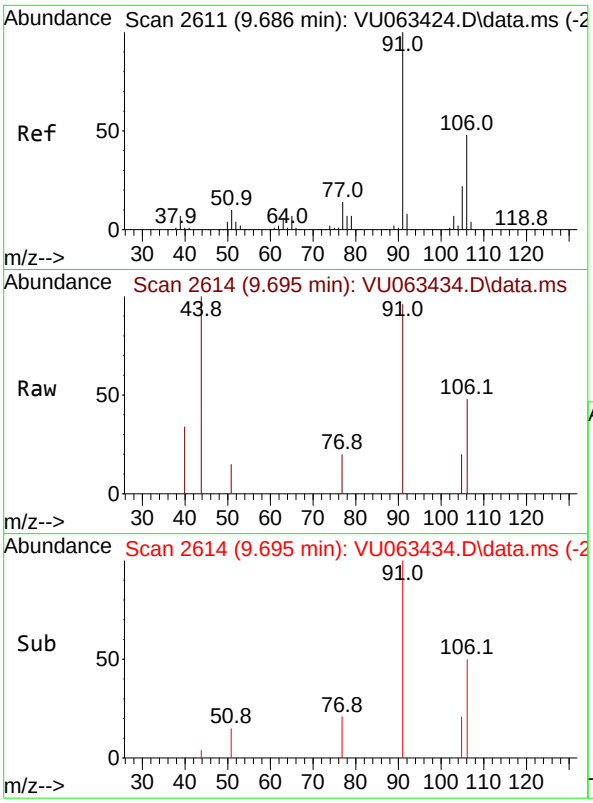


#57
4-Bromofluorobenzene
Concen: 0.802 ug/l
RT: 10.634 min Scan# 2906
Delta R.T. 0.006 min
Lab File: VU063434.D
Acq: 24 Jun 2025 12:54

Tgt Ion: 95 Resp: 13619

Ion	Ratio	Lower	Upper
95	100		
174	76.0	59.4	89.2
176	70.9	57.8	86.6



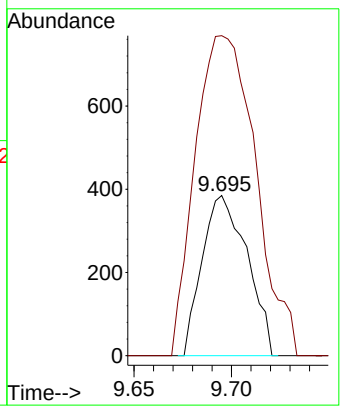


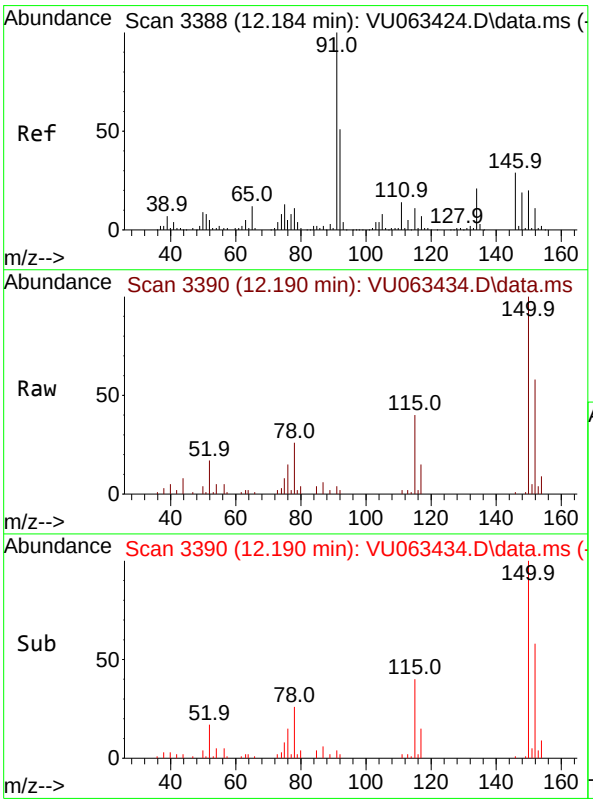
#64
m/p-Xylenes
Concen: 0.809 ug/l
RT: 9.695 min Scan# 2
Delta R.T. 0.009 min
Lab File: VU063434.D
Acq: 24 Jun 2025 12:54

Instrument :
MSVOA_U
ClientSampleId :
PW-B6-L66-061925

Tgt Ion:106 Resp: 618

Ion	Ratio	Lower	Upper
106	100		
91	268.3	169.9	254.9#

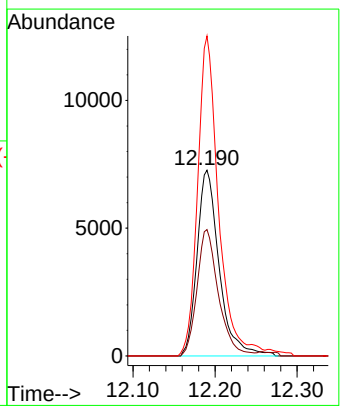


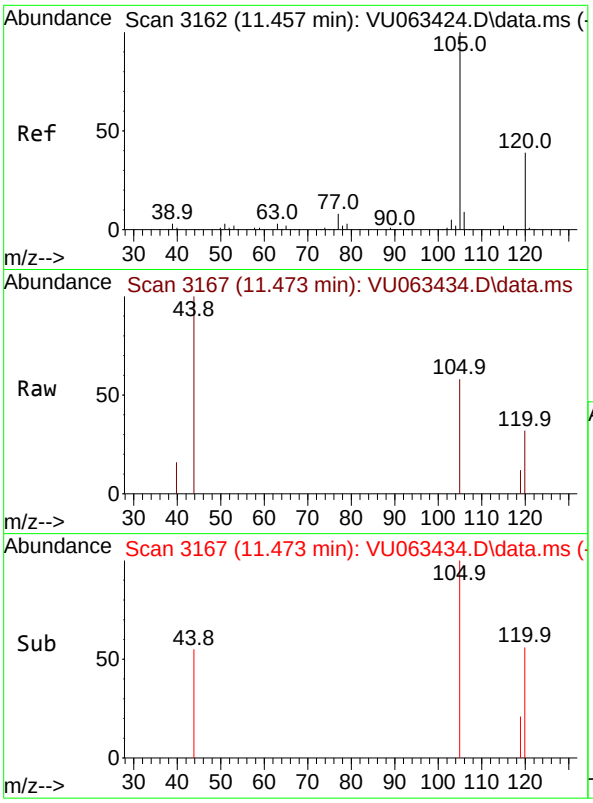


#68
1,2-Dichlorobenzene-d4
Concen: 0.799 ug/l
RT: 12.190 min Scan# 3390
Delta R.T. 0.006 min
Lab File: VU063434.D
Acq: 24 Jun 2025 12:54

Tgt Ion:152 Resp: 13641

Ion	Ratio	Lower	Upper
152	100		
115	65.9	0.0	327.6
150	162.0	0.0	664.4



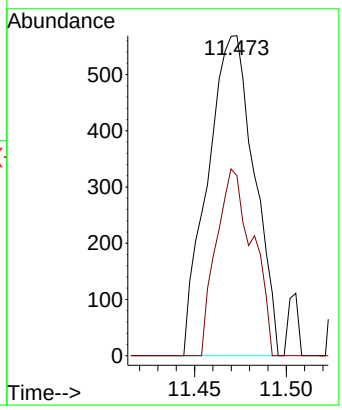


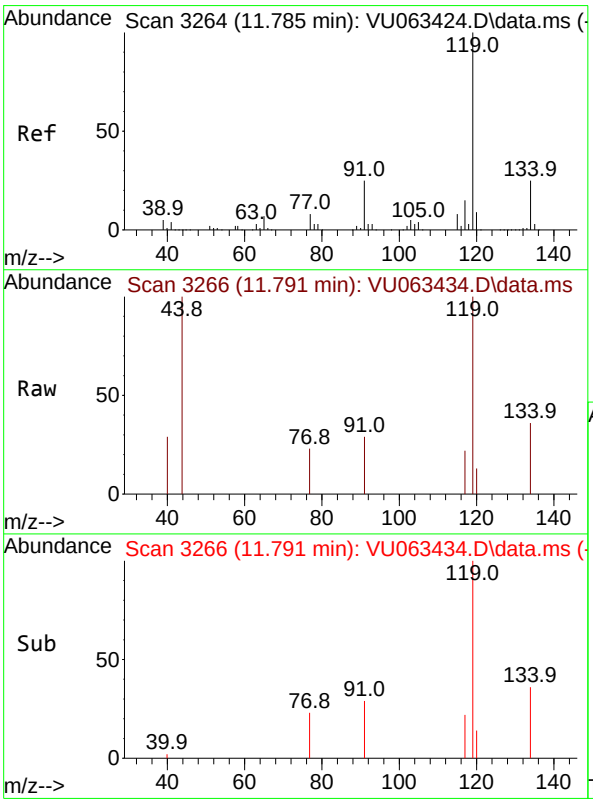
#78
1,2,4-Trimethylbenzene
Concen: 0.434 ug/l
RT: 11.473 min Scan# 3
Delta R.T. 0.016 min
Lab File: VU063434.D
Acq: 24 Jun 2025 12:54

Instrument :
MSVOA_U
ClientSampleId :
PW-B6-L66-061925

Tgt Ion:105 Resp: 1007

Ion	Ratio	Lower	Upper
105	100		
120	45.7	22.1	66.5

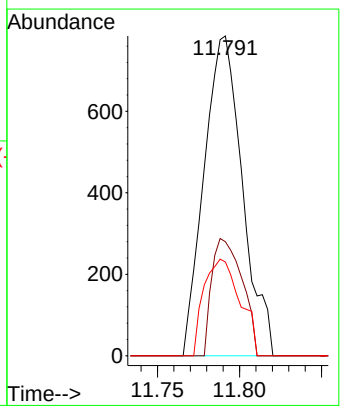


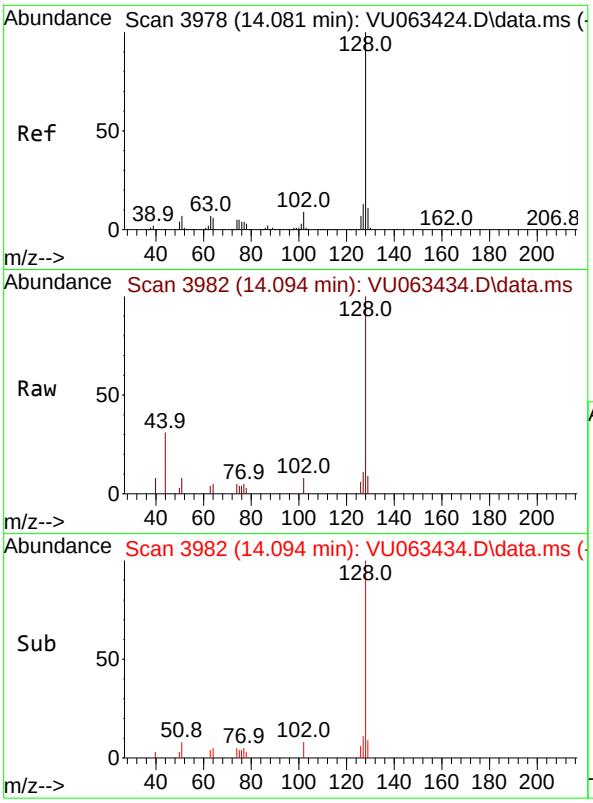


#81
p-Isopropyltoluene
Concen: 0.432 ug/l
RT: 11.791 min Scan# 3266
Delta R.T. 0.006 min
Lab File: VU063434.D
Acq: 24 Jun 2025 12:54

Tgt Ion:119 Resp: 1272

Ion	Ratio	Lower	Upper
119	100		
134	29.0	20.2	30.2
91	28.5	19.7	29.5



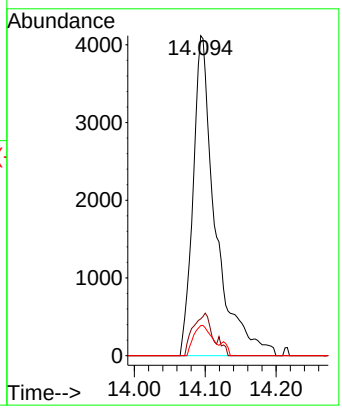


#89
Naphthalene
Concen: 1.136 ug/l
RT: 14.094 min Scan# 3
Delta R.T. 0.013 min
Lab File: VU063434.D
Acq: 24 Jun 2025 12:54

Instrument :
MSVOA_U
ClientSampleId :
PW-B6-L66-061925

Tgt Ion:128 Resp: 9003

Ion	Ratio	Lower	Upper
128	100		
127	10.7	10.4	15.6
129	7.8	8.7	13.1#



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062425\
Data File : VU063435.D
Acq On : 24 Jun 2025 13:22
Operator : MD/SY
Sample : Q2377-03
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
TB01-061925

Quant Time: Jun 24 14:14:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U062325DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue Jun 24 05:06:50 2025
Response via : Initial Calibration

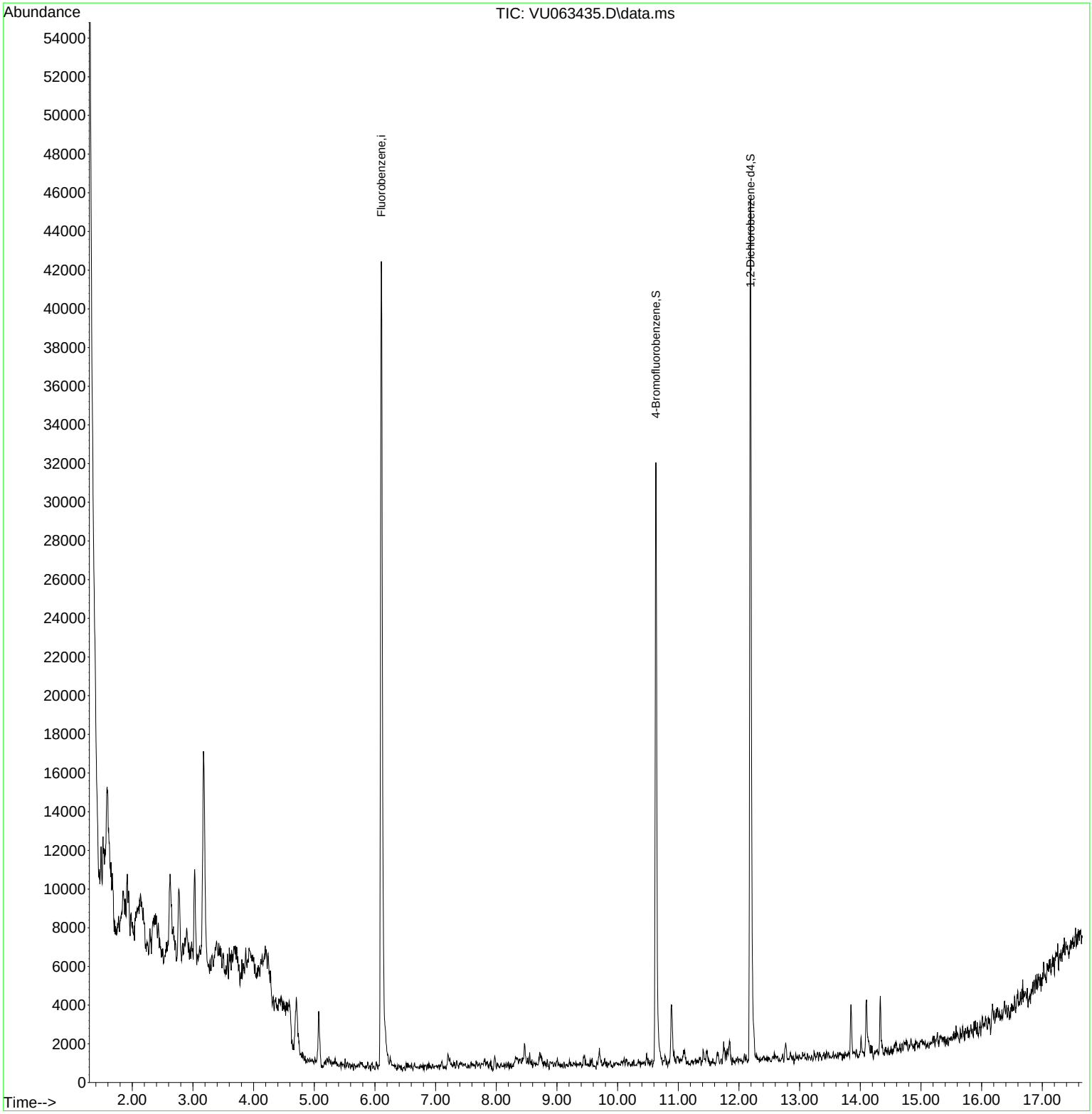
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.107	96	40746	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.630	95	13337	0.892	ug/l	0.00
Spiked Amount 1.000			Recovery = 89.000%			
68) 1,2-Dichlorobenzene-d4	12.190	152	13889	0.924	ug/l	0.00
Spiked Amount 1.000			Recovery = 92.000%			
Target Compounds						Qvalue

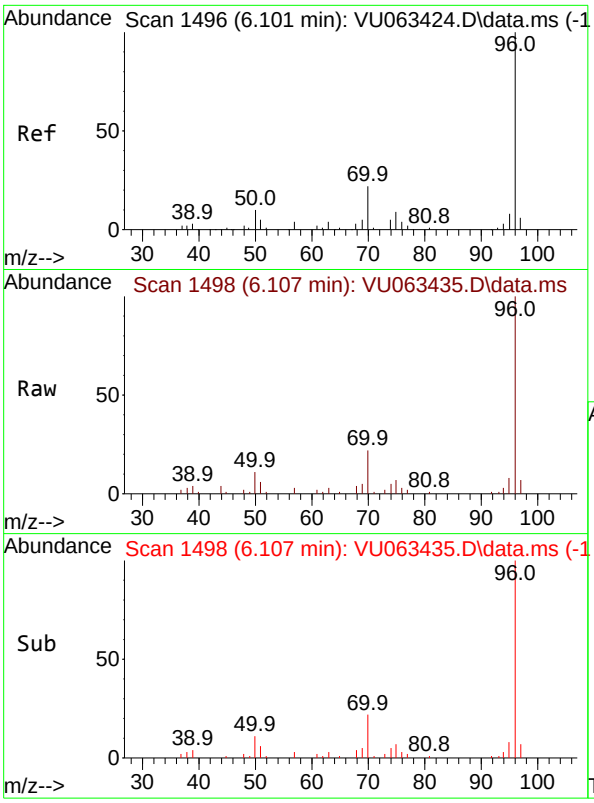
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062425\
Data File : VU063435.D
Acq On : 24 Jun 2025 13:22
Operator : MD/SY
Sample : Q2377-03
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
TB01-061925

Quant Time: Jun 24 14:14:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U062325DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue Jun 24 05:06:50 2025
Response via : Initial Calibration



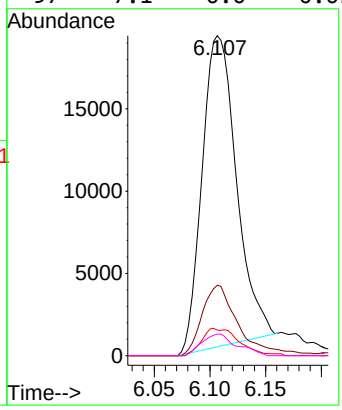


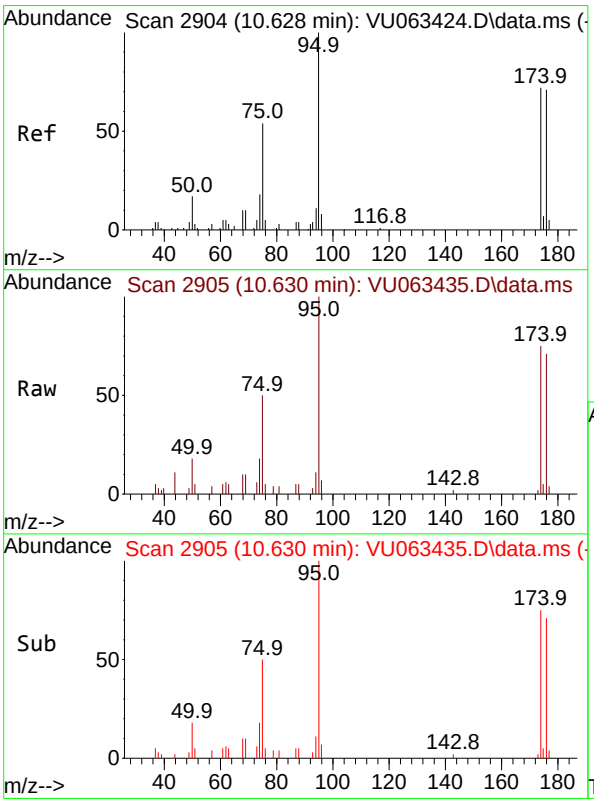
#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.107 min Scan# 14
Delta R.T. 0.006 min
Lab File: VU063435.D
Acq: 24 Jun 2025 13:22

Instrument :
MSVOA_U
ClientSampleId :
TB01-061925

Tgt Ion: 96 Resp: 40746

Ion	Ratio	Lower	Upper
96	100		
70	22.9	16.4	24.6
95	9.6	6.2	9.2#
97	7.1	0.0	0.0#

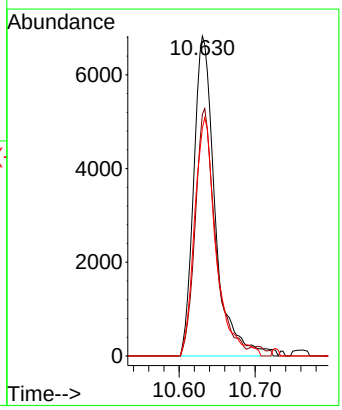


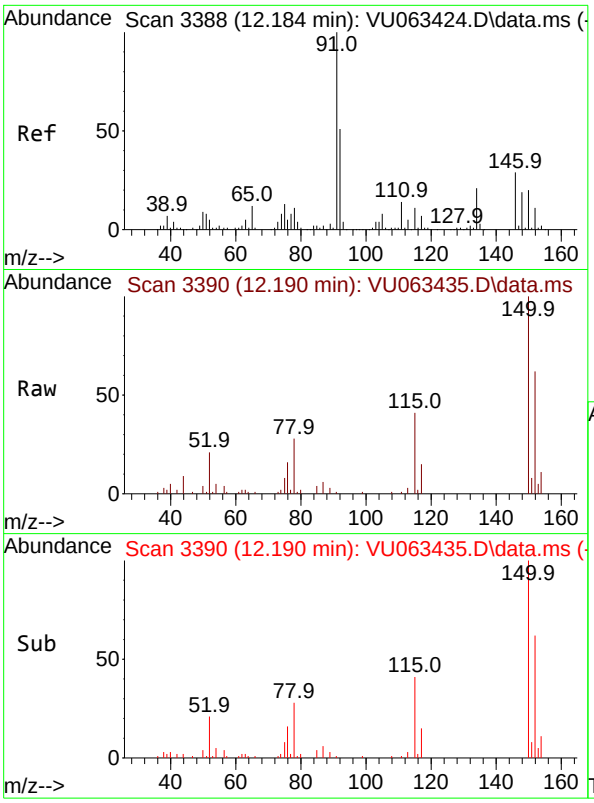


#57
4-Bromofluorobenzene
Concen: 0.892 ug/l
RT: 10.630 min Scan# 2905
Delta R.T. 0.002 min
Lab File: VU063435.D
Acq: 24 Jun 2025 13:22

Tgt Ion: 95 Resp: 13337

Ion	Ratio	Lower	Upper
95	100		
174	73.1	59.4	89.2
176	74.7	57.8	86.6



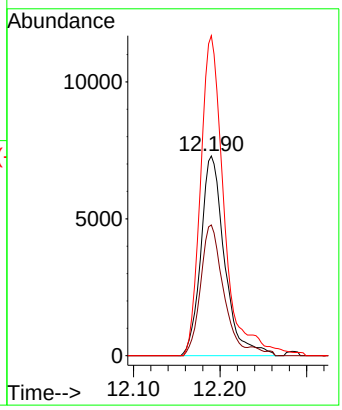


#68
1,2-Dichlorobenzene-d4
Concen: 0.924 ug/l
RT: 12.190 min Scan# 3
Delta R.T. 0.006 min
Lab File: VU063435.D
Acq: 24 Jun 2025 13:22

Instrument :
MSVOA_U
ClientSampleId :
TB01-061925

Tgt Ion:152 Resp: 13889

Ion	Ratio	Lower	Upper
152	100		
115	62.6	0.0	327.6
150	159.6	0.0	664.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062425\
Data File : VU063431.D
Acq On : 24 Jun 2025 11:14
Operator : MD/SY
Sample : VU0624WBL01
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VU0624WBL01

Quant Time: Jun 25 01:30:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U062325DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue Jun 24 05:06:50 2025
Response via : Initial Calibration

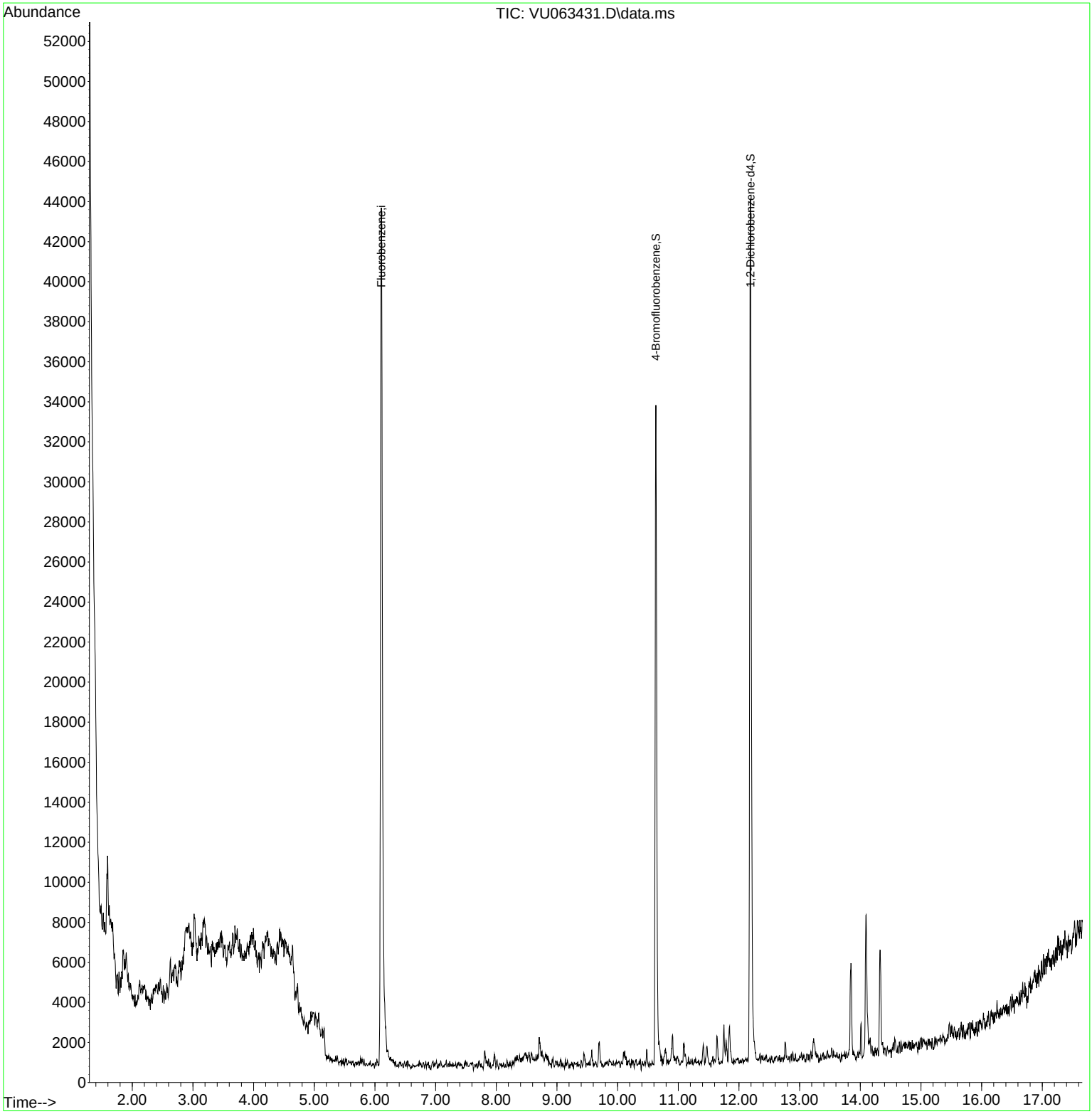
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.106	96	48463	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.630	95	13246	0.744	ug/l	0.00
Spiked Amount 1.000			Recovery = 74.000%			
68) 1,2-Dichlorobenzene-d4	12.190	152	13088	0.732	ug/l	0.00
Spiked Amount 1.000			Recovery = 73.000%			
Target Compounds						Qvalue

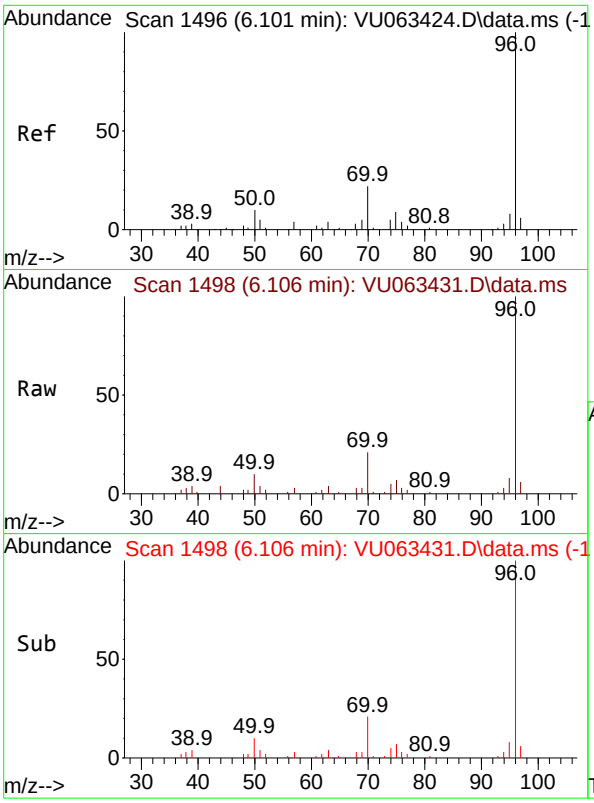
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062425\
Data File : VU063431.D
Acq On : 24 Jun 2025 11:14
Operator : MD/SY
Sample : VU0624WBL01
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_U
ClientSampleId :
VU0624WBL01

Quant Time: Jun 25 01:30:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U062325DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Tue Jun 24 05:06:50 2025
Response via : Initial Calibration



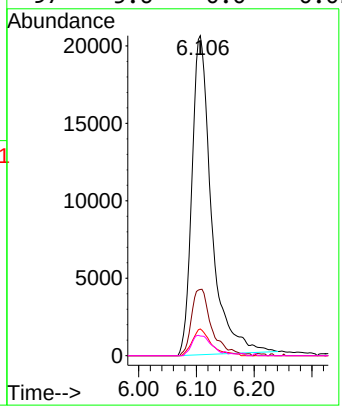


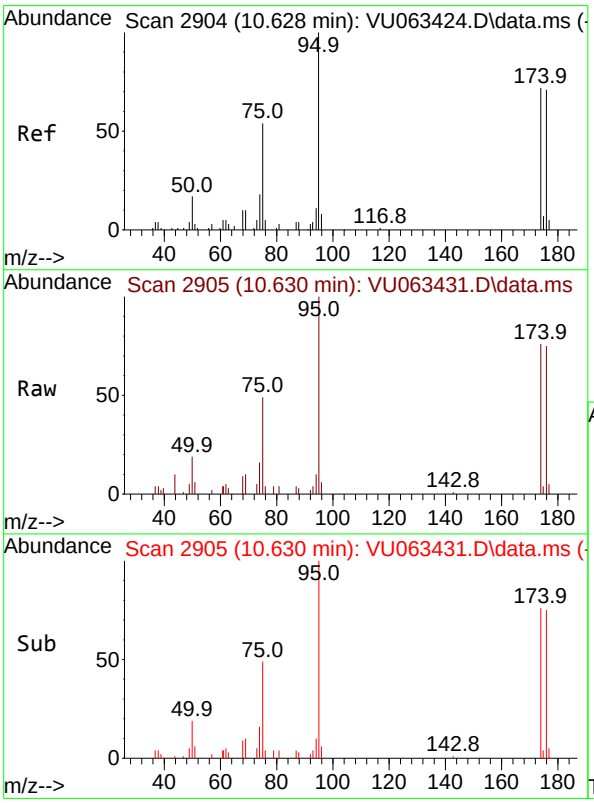
#1
Fluorobenzene
Concen: 1.000 ug/l
RT: 6.106 min Scan# 14
Delta R.T. 0.005 min
Lab File: VU063431.D
Acq: 24 Jun 2025 11:14

Instrument :
MSVOA_U
ClientSampleId :
VU0624WBL01

Tgt Ion: 96 Resp: 48463

Ion	Ratio	Lower	Upper
96	100		
70	20.6	16.4	24.6
95	8.1	6.2	9.2
97	5.6	0.0	0.0#

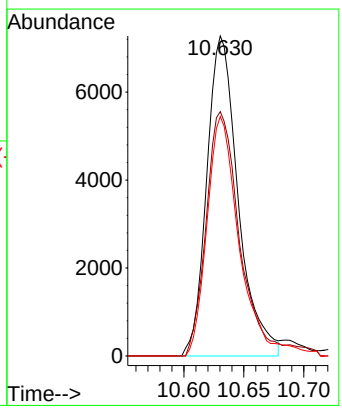


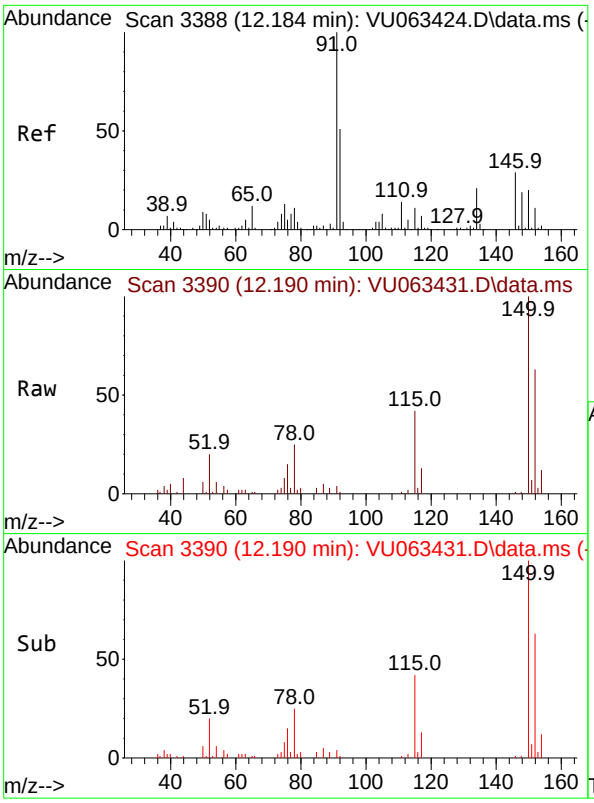


#57
4-Bromofluorobenzene
Concen: 0.744 ug/l
RT: 10.630 min Scan# 2905
Delta R.T. 0.002 min
Lab File: VU063431.D
Acq: 24 Jun 2025 11:14

Tgt Ion: 95 Resp: 13246

Ion	Ratio	Lower	Upper
95	100		
174	83.2	59.4	89.2
176	77.5	57.8	86.6



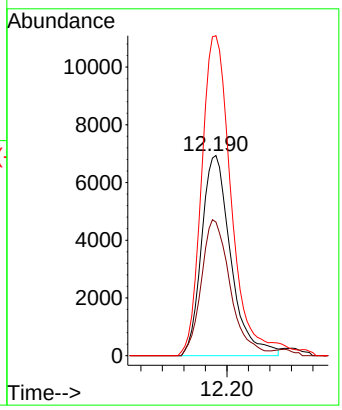


#68
1,2-Dichlorobenzene-d4
Concen: 0.732 ug/l
RT: 12.190 min Scan# 3
Delta R.T. 0.006 min
Lab File: VU063431.D
Acq: 24 Jun 2025 11:14

Instrument :
MSVOA_U
ClientSampleId :
VU0624WBL01

Tgt Ion:152 Resp: 13088

Ion	Ratio	Lower	Upper
152	100		
115	67.2	0.0	327.6
150	164.7	0.0	664.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062425\
Data File : VU063432.D
Acq On : 24 Jun 2025 11:48
Operator : MD/SY
Sample : VU0624WBS01
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 25 06:22:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U062325DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Wed Jun 25 03:53:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
VU0624WBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Fluorobenzene	6.103	96	50423	1.000	ug/l	# 0.00
System Monitoring Compounds						
57) 4-Bromofluorobenzene	10.627	95	18541	1.002	ug/l	0.00
Spiked Amount 1.000			Recovery = 100.000%			
68) 1,2-Dichlorobenzene-d4	12.187	152	18461	0.993	ug/l	0.00
Spiked Amount 1.000			Recovery = 99.000%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.383	85	37732	1.948	ug/l	98
3) Chloromethane	1.518	50	42308	1.658	ug/l	99
4) Vinyl Chloride	1.599	62	36052	1.650	ug/l	100
5) Bromomethane	1.849	94	20046	1.915	ug/l	100
6) Chloroethane	1.927	64	18221	1.408	ug/l	96
7) Trichlorofluoromethane	2.129	101	42938	1.724	ug/l	97
8) 1,1,2-Trichloro-1,2,2-...	2.566	101	21761	1.640	ug/l	91
9) 1,1-Dichloroethene	2.566	96	22342	1.687	ug/l	85
10) Iodomethane	2.708	142	17112	1.601	ug/l	98
11) Allyl Chloride	2.907	41	27398	1.162	ug/l	89
12) Acrylonitrile	3.309	53	10077	2.634	ug/l #	86
13) Acetone	2.621	43	17584	4.617	ug/l	99
14) Carbon Disulfide	2.775	76	67706	1.466	ug/l	97
15) Methylene Chloride	3.029	84	26324	1.569	ug/l	87
16) trans-1,2-Dichloroethene	3.335	96	25844	1.735	ug/l	85
17) 1,1-Dichloroethane	3.849	63	63500	2.030	ug/l	99
18) 2-Butanone	4.721	43	46546	8.719	ug/l	99
19) Cyclohexane	5.361	56	43798	1.851	ug/l	99
20) Methylcyclohexane	6.746	83	37512	1.707	ug/l	94
21) 2,2-Dichloropropane	4.644	77	42918	1.930	ug/l	99
22) cis-1,2-Dichloroethene	4.647	96	32017	1.969	ug/l	100
23) Diethyl Ether	2.370	59	16242	1.360	ug/l	89
24) tert-Butyl Alcohol	3.203	59	17502	13.907	ug/l	99
25) Methyl tert-Butyl Ether	3.361	73	57010	1.583	ug/l	99
26) Bromochloromethane	4.959	128	12581	1.988	ug/l	99
27) Chloroform	5.071	83	57998	1.978	ug/l	96
28) 1,1,1-Trichloroethane	5.296	97	47422	1.994	ug/l	97
29) 1,1-Dichloropropene	5.505	75	43165	1.987	ug/l	96
30) Carbon Tetrachloride	5.502	117	37915	1.997	ug/l	98
31) Isopropyl Ether	3.997	45	97025	1.985	ug/l	97
32) Ethyl-t-butyl ether	4.505	59	80511	1.944	ug/l	100
33) Tert-Amyl methyl ether	5.946	73	52925	1.785	ug/l	98
34) Propionitrile	4.782	54	15425	9.989	ug/l	99
35) Benzene	5.759	78	133266	2.028	ug/l	99
36) 1,2-Dichloroethane	5.788	62	37941	1.975	ug/l	100
37) Trichloroethene	6.531	130	29814	1.920	ug/l	98
38) 1,2-Dichloropropane	6.785	63	35505	1.957	ug/l	99
39) Methacrylonitrile	4.975	41	12237m	1.905	ug/l	
40) Methyl acrylate	4.856	55	16865	1.870	ug/l #	96
41) Tetrahydrofuran	5.065	42	12759	3.692	ug/l	99
42) 1-Chlorobutane	5.441	56	55270	1.794	ug/l	99
43) Dibromomethane	6.914	93	16966	2.001	ug/l	95
44) Bromodichloromethane	7.100	83	40566	1.965	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062425\
Data File : VU063432.D
Acq On : 24 Jun 2025 11:48
Operator : MD/SY
Sample : VU0624WBS01
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 25 06:22:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U062325DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Wed Jun 25 03:53:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
VU0624WBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.798	43	79447	8.731	ug/l	95
46) t-1,4-Dichloro-2-butene	10.827	75	12308m	4.115	ug/l	
47) Methyl methacrylate	6.971	69	22850	3.614	ug/l	98
48) Ethyl methacrylate	8.338	69	20945	1.891	ug/l	98
49) Toluene	7.962	92	67670	1.876	ug/l	96
50) t-1,3-Dichloropropene	8.209	75	26422	1.774	ug/l	95
51) cis-1,3-Dichloropropene	7.602	75	36853	1.843	ug/l	97
52) 1,1,2-Trichloroethane	8.396	97	23388	1.887	ug/l	96
53) 1,3-Dichloropropane	8.569	76	41741	1.958	ug/l	99
54) 2-Hexanone	8.692	43	49438	8.736	ug/l	95
55) Dibromochloromethane	8.801	129	25308	1.979	ug/l	96
56) 1,2-Dibromoethane	8.920	107	20144	2.005	ug/l	100
58) Tetrachloroethene	8.544	164	29722	1.951	ug/l	97
59) Chlorobenzene	9.441	112	73659	1.907	ug/l	98
60) 1,1,1,2-Tetrachloroethane	9.528	131	27055	1.946	ug/l	98
61) Pentachloroethane	11.418	117	23339	2.061	ug/l	95
62) Hexachloroethane	12.466	117	21061	2.068	ug/l	95
63) Ethyl Benzene	9.563	91	114369	1.847	ug/l	100
64) m/p-Xylenes	9.688	106	86586	3.629	ug/l	97
65) o-Xylene	10.093	106	42442	1.804	ug/l	98
66) Styrene	10.110	104	70793	1.856	ug/l	99
67) Bromoform	10.283	173	13034	1.866	ug/l	98
69) Isopropylbenzene	10.476	105	102462	1.880	ug/l	100
70) 1,1,2,2-Tetrachloroethane	10.775	83	32083	2.024	ug/l	97
71) 1,2,3-Trichloropropane	10.817	75	26566m	2.052	ug/l	
72) Bromobenzene	10.778	156	29826	1.950	ug/l	85
73) n-propylbenzene	10.897	120	31372	1.895	ug/l	97
74) 2-Chlorotoluene	10.978	126	29231	1.933	ug/l	96
75) 1,3,5-Trimethylbenzene	11.081	105	98718	1.842	ug/l	97
76) 4-Chlorotoluene	11.093	126	31381	1.981	ug/l	92
77) tert-Butylbenzene	11.412	119	95430	1.906	ug/l	99
78) 1,2,4-Trimethylbenzene	11.463	105	98098	1.844	ug/l	99
79) sec-Butylbenzene	11.637	105	137752	1.943	ug/l	98
80) Nitrobenzene	13.216	77	6073m	9.432	ug/l	
81) p-Isopropyltoluene	11.785	119	104423	1.881	ug/l	98
82) 1,3-Dichlorobenzene	11.740	146	63917	2.017	ug/l	98
83) 1,4-Dichlorobenzene	11.830	146	64352	1.958	ug/l	99
84) n-Butylbenzene	12.203	91	106675	1.838	ug/l	98
85) 1,2-Dichlorobenzene	12.206	146	59771	1.971	ug/l	98
86) 1,2-Dibromo-3-Chloropr...	12.994	75	4374	2.007	ug/l	99
87) 1,2,4-Trichlorobenzene	13.836	180	30544	1.807	ug/l	99
88) Hexachlorobutadiene	14.013	225	23256	1.940	ug/l	98
89) Naphthalene	14.084	128	46534	2.092	ug/l	99
90) 1,2,3-Trichlorobenzene	14.325	180	28258	1.681	ug/l	99

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

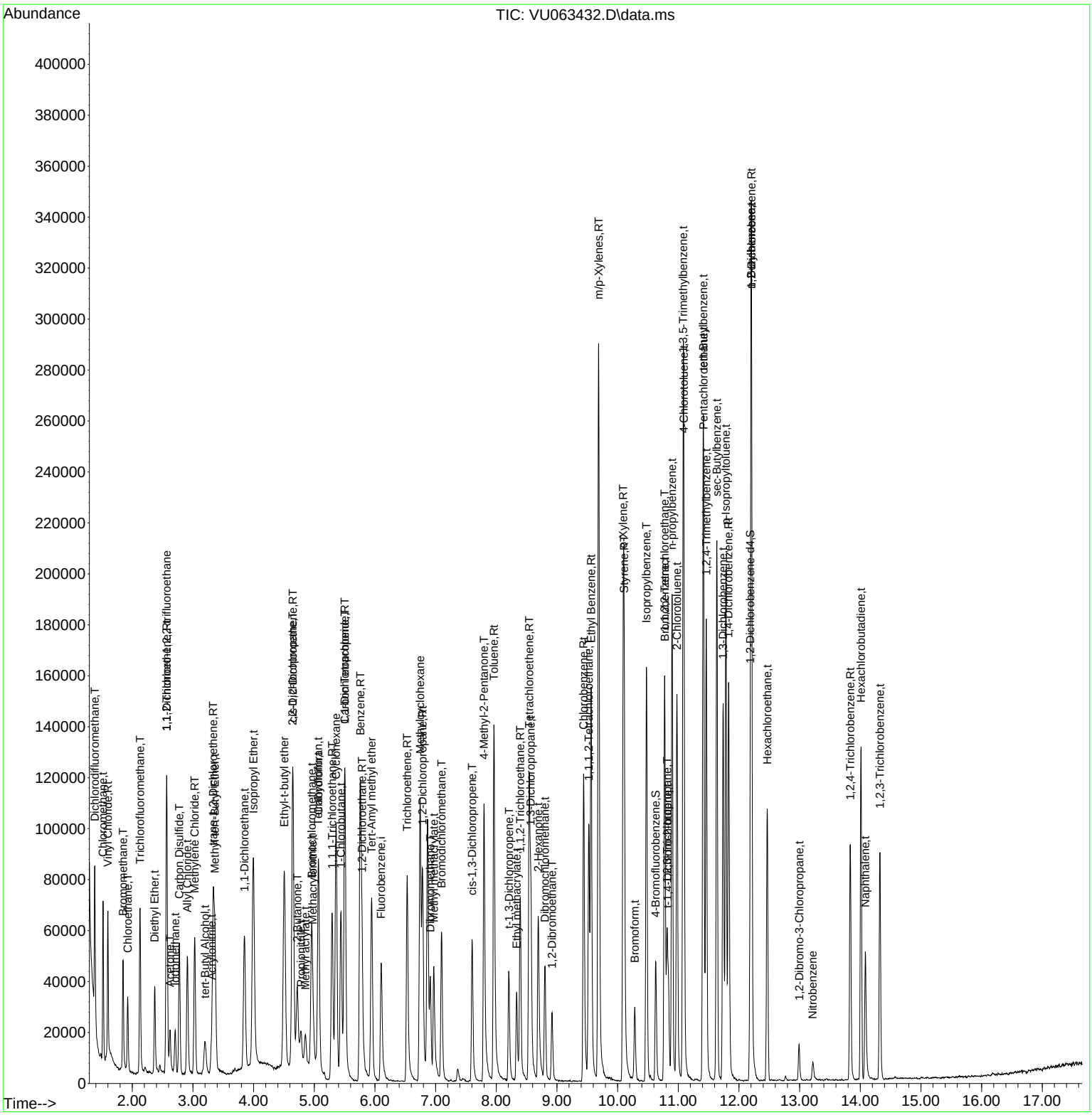
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062425\
Data File : VU063432.D
Acq On : 24 Jun 2025 11:48
Operator : MD/SY
Sample : VU0624WBS01
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 25 06:22:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U062325DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Wed Jun 25 03:53:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
VU0624WBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062425\
Data File : VU063433.D
Acq On : 24 Jun 2025 12:16
Operator : MD/SY
Sample : VU0624WBSD01
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 25 08:10:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U062325DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Wed Jun 25 03:53:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
VU0624WBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
Internal Standards					
1) Fluorobenzene	6.103	96	48924m	1.000 ug/l	0.00
System Monitoring Compounds					
57) 4-Bromofluorobenzene	10.627	95	17940	0.999 ug/l	0.00
Spiked Amount 1.000			Recovery = 100.000%		
68) 1,2-Dichlorobenzene-d4	12.187	152	18111	1.004 ug/l	0.00
Spiked Amount 1.000			Recovery = 100.000%		
Target Compounds					Qvalue
2) Dichlorodifluoromethane	1.383	85	37702	2.006 ug/l	98
3) Chloromethane	1.518	50	44492	1.797 ug/l	96
4) Vinyl Chloride	1.599	62	36391	1.717 ug/l	99
5) Bromomethane	1.846	94	20298	1.999 ug/l	96
6) Chloroethane	1.923	64	19842	1.580 ug/l	96
7) Trichlorofluoromethane	2.129	101	44989	1.861 ug/l	100
8) 1,1,2-Trichloro-1,2,2-...	2.567	101	27067	2.102 ug/l	99
9) 1,1-Dichloroethene	2.567	96	27891	2.171 ug/l	94
10) Iodomethane	2.708	142	17802	1.717 ug/l	95
11) Allyl Chloride	2.911	41	45772	2.000 ug/l	99
12) Acrylonitrile	3.306	53	15504m	4.177 ug/l	
13) Acetone	2.621	43	26628	8.138 ug/l	96
14) Carbon Disulfide	2.776	76	90537	2.021 ug/l	98
15) Methylene Chloride	3.030	84	32975	2.025 ug/l	98
16) trans-1,2-Dichloroethene	3.335	96	30368	2.101 ug/l	96
17) 1,1-Dichloroethane	3.849	63	63072	2.078 ug/l	99
18) 2-Butanone	4.721	43	46068	8.894 ug/l	98
19) Cyclohexane	5.361	56	41924	1.826 ug/l	99
20) Methylcyclohexane	6.746	83	37288	1.749 ug/l	92
21) 2,2-Dichloropropane	4.644	77	40641	1.884 ug/l	99
22) cis-1,2-Dichloroethene	4.644	96	32133	2.037 ug/l	98
23) Diethyl Ether	2.370	59	23527	2.030 ug/l	97
24) tert-Butyl Alcohol	3.200	59	25998	21.292 ug/l	98
25) Methyl tert-Butyl Ether	3.361	73	72586	2.078 ug/l	100
26) Bromochloromethane	4.955	128	14136	2.302 ug/l	90
27) Chloroform	5.071	83	61146	2.149 ug/l	100
28) 1,1,1-Trichloroethane	5.296	97	48456	2.100 ug/l	98
29) 1,1-Dichloropropene	5.505	75	41576	1.973 ug/l	99
30) Carbon Tetrachloride	5.499	117	39088	2.121 ug/l	95
31) Isopropyl Ether	3.994	45	99901	2.107 ug/l	100
32) Ethyl-t-butyl ether	4.505	59	80724	2.009 ug/l	99
33) Tert-Amyl methyl ether	5.946	73	52845	1.837 ug/l	96
34) Propionitrile	4.779	54	15493	10.340 ug/l #	85
35) Benzene	5.759	78	131629	2.065 ug/l	98
36) 1,2-Dichloroethane	5.788	62	37840	2.030 ug/l	100
37) Trichloroethene	6.534	130	30828	2.046 ug/l	96
38) 1,2-Dichloropropane	6.782	63	36163	2.054 ug/l	98
39) Methacrylonitrile	4.978	41	10673	1.712 ug/l	94
40) Methyl acrylate	4.849	55	18218	2.081 ug/l	98
41) Tetrahydrofuran	5.065	42	11659	3.477 ug/l	99
42) 1-Chlorobutane	5.441	56	56729	1.897 ug/l	98
43) Dibromomethane	6.910	93	17065	2.075 ug/l	98
44) Bromodichloromethane	7.100	83	41184	2.056 ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062425\
Data File : VU063433.D
Acq On : 24 Jun 2025 12:16
Operator : MD/SY
Sample : VU0624WBSD01
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 25 08:10:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U062325DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Wed Jun 25 03:53:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
VU0624WBSD01

Manual Integrations APPROVED
Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
45) 4-Methyl-2-Pentanone	7.798	43	84115	9.527	ug/l	97
46) t-1,4-Dichloro-2-butene	10.827	75	11360m	3.914	ug/l	
47) Methyl methacrylate	6.968	69	24695	3.922	ug/l	92
48) Ethyl methacrylate	8.335	69	22157	2.030	ug/l	97
49) Toluene	7.962	92	69828	1.995	ug/l	95
50) t-1,3-Dichloropropene	8.206	75	27590	1.910	ug/l	100
51) cis-1,3-Dichloropropene	7.602	75	38692	1.994	ug/l	95
52) 1,1,2-Trichloroethane	8.396	97	24606	2.046	ug/l	98
53) 1,3-Dichloropropane	8.569	76	41581	2.010	ug/l	96
54) 2-Hexanone	8.688	43	54892	9.809	ug/l	93
55) Dibromochloromethane	8.801	129	25038	2.018	ug/l	100
56) 1,2-Dibromoethane	8.920	107	20163	2.069	ug/l	98
58) Tetrachloroethene	8.544	164	29570	2.001	ug/l	97
59) Chlorobenzene	9.441	112	75413	2.013	ug/l	96
60) 1,1,1,2-Tetrachloroethane	9.524	131	26908	1.995	ug/l	97
61) Pentachloroethane	11.415	117	22285	2.028	ug/l	95
62) Hexachloroethane	12.466	117	19905	2.014	ug/l	99
63) Ethyl Benzene	9.563	91	114691	1.909	ug/l	99
64) m/p-Xylenes	9.688	106	87004	3.731	ug/l	97
65) o-Xylene	10.094	106	42647	1.869	ug/l	94
66) Styrene	10.110	104	71958	1.925	ug/l	99
67) Bromoform	10.283	173	13611	2.008	ug/l	97
69) Isopropylbenzene	10.476	105	103632	1.960	ug/l	99
70) 1,1,2,2-Tetrachloroethane	10.775	83	31827	2.069	ug/l	99
71) 1,2,3-Trichloropropane	10.814	75	27172m	2.163	ug/l	
72) Bromobenzene	10.775	156	31426	2.118	ug/l	83
73) n-propylbenzene	10.901	120	30992	1.923	ug/l	97
74) 2-Chlorotoluene	10.981	126	30419	2.074	ug/l	95
75) 1,3,5-Trimethylbenzene	11.081	105	100505	1.914	ug/l	99
76) 4-Chlorotoluene	11.094	126	31207	2.031	ug/l	99
77) tert-Butylbenzene	11.412	119	96811	1.993	ug/l	100
78) 1,2,4-Trimethylbenzene	11.460	105	100260	1.920	ug/l	100
79) sec-Butylbenzene	11.634	105	137049	1.992	ug/l	100
80) Nitrobenzene	13.216	77	6874	10.746	ug/l	96
81) p-Isopropyltoluene	11.785	119	107612	1.972	ug/l	99
82) 1,3-Dichlorobenzene	11.740	146	64149	2.087	ug/l	99
83) 1,4-Dichlorobenzene	11.830	146	68008	2.132	ug/l	95
84) n-Butylbenzene	12.203	91	109583	1.946	ug/l	98
85) 1,2-Dichlorobenzene	12.206	146	61152	2.078	ug/l	99
86) 1,2-Dibromo-3-Chloropr...	12.991	75	4949	2.341	ug/l	88
87) 1,2,4-Trichlorobenzene	13.836	180	32914	2.006	ug/l	99
88) Hexachlorobutadiene	14.010	225	24100	2.072	ug/l	98
89) Naphthalene	14.084	128	51110	2.252	ug/l	99
90) 1,2,3-Trichlorobenzene	14.322	180	31355	1.922	ug/l	100

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

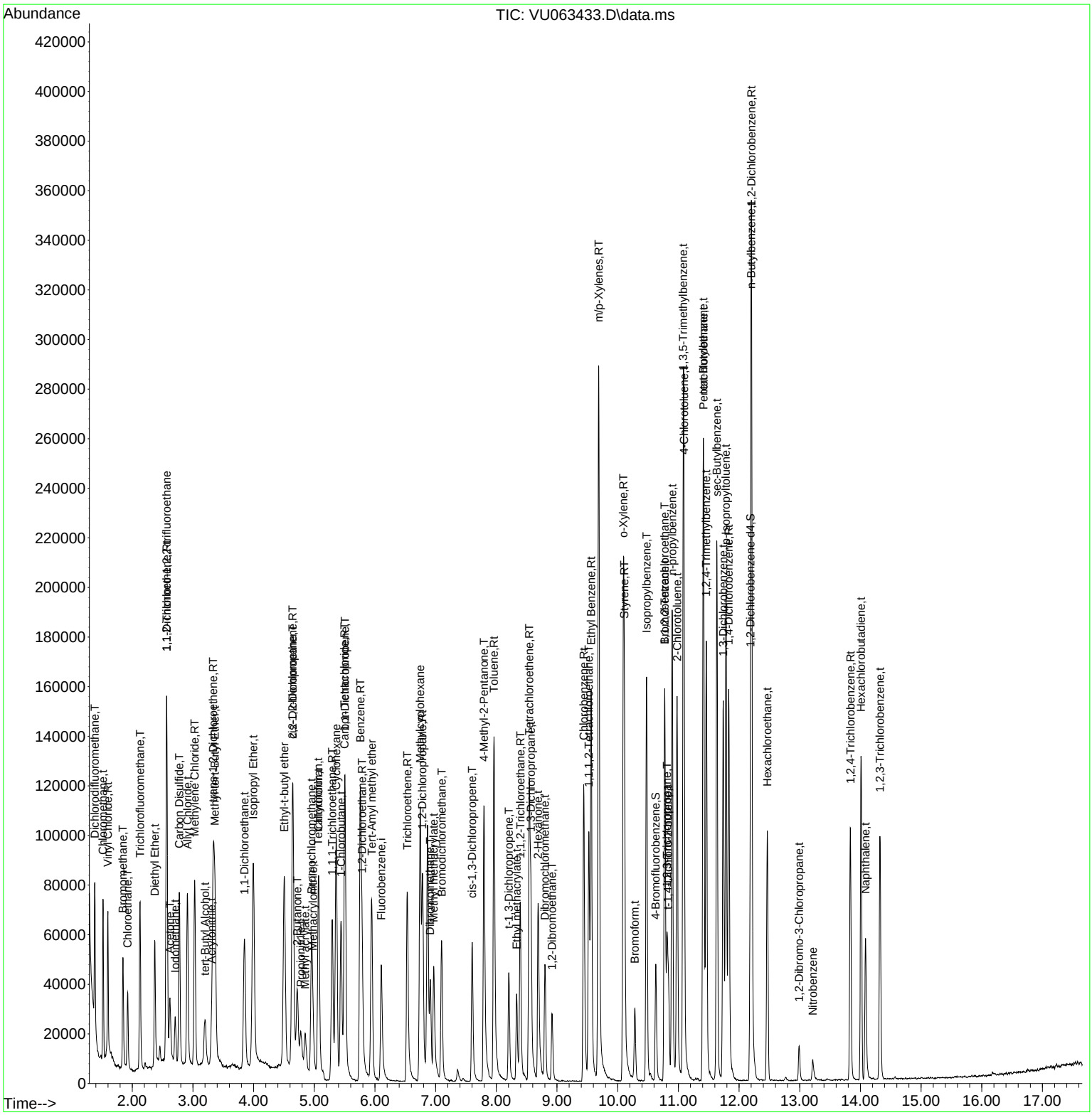
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU062425\
Data File : VU063433.D
Acq On : 24 Jun 2025 12:16
Operator : MD/SY
Sample : VU0624WBSD01
Misc : 25mL/MSVOA_U/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 25 08:10:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\524U062325DW.M
Quant Title : METHOD 524.2 VOLATILES DRINKING WATER
QLast Update : Wed Jun 25 03:53:43 2025
Response via : Initial Calibration

Instrument :
MSVOA_U
ClientSampleId :
VU0624WBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	VU062325	Instrument	MSVOA_u

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VU063421.D	1,2,3-Trichloropropane	MMDadoda	6/25/2025 12:31:28 PM	Sam	6/25/2025 12:35:33 PM	Peak Integrated by Software
VSTDICC001	VU063421.D	1,4-Dichlorobenzene	MMDadoda	6/25/2025 12:31:28 PM	Sam	6/25/2025 12:35:33 PM	Peak Integrated by Software
VSTDICC001	VU063421.D	1-Chlorobutane	MMDadoda	6/25/2025 12:31:28 PM	Sam	6/25/2025 12:35:33 PM	Peak Integrated by Software
VSTDICC001	VU063421.D	Acrylonitrile	MMDadoda	6/25/2025 12:31:28 PM	Sam	6/25/2025 12:35:33 PM	Peak Integrated by Software
VSTDICC001	VU063421.D	Ethyl-t-butyl ether	MMDadoda	6/25/2025 12:31:28 PM	Sam	6/25/2025 12:35:33 PM	Peak Integrated by Software
VSTDICC001	VU063421.D	Methylcyclohexane	MMDadoda	6/25/2025 12:31:28 PM	Sam	6/25/2025 12:35:33 PM	Peak Integrated by Software
VSTDICC001	VU063421.D	Nitrobenzene	MMDadoda	6/25/2025 12:31:28 PM	Sam	6/25/2025 12:35:33 PM	Peak Integrated by Software
VSTDICC001	VU063421.D	t-1,4-Dichloro-2-butene	MMDadoda	6/25/2025 12:31:28 PM	Sam	6/25/2025 12:35:33 PM	Peak Integrated by Software
VSTDICC001	VU063421.D	Tert-Amyl methyl ether	MMDadoda	6/25/2025 12:31:28 PM	Sam	6/25/2025 12:35:33 PM	Peak Integrated by Software
VSTDICC002	VU063422.D	1,2,3-Trichloropropane	MMDadoda	6/25/2025 12:31:31 PM	Sam	6/25/2025 12:35:34 PM	Peak Integrated by Software
VSTDICC002	VU063422.D	1,4-Dichlorobenzene	MMDadoda	6/25/2025 12:31:31 PM	Sam	6/25/2025 12:35:34 PM	Peak Integrated by Software
VSTDICC002	VU063422.D	1-Chlorobutane	MMDadoda	6/25/2025 12:31:31 PM	Sam	6/25/2025 12:35:34 PM	Peak Integrated by Software
VSTDICC002	VU063422.D	Ethyl-t-butyl ether	MMDadoda	6/25/2025 12:31:31 PM	Sam	6/25/2025 12:35:34 PM	Peak Integrated by Software

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	VU062325	Instrument	MSVOA_u

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC002	VU063422.D	Methylcyclohexane	MMDadoda	6/25/2025 12:31:31 PM	Sam	6/25/2025 12:35:34 PM	Peak Integrated by Software
VSTDICC002	VU063422.D	Nitrobenzene	MMDadoda	6/25/2025 12:31:31 PM	Sam	6/25/2025 12:35:34 PM	Peak Integrated by Software
VSTDICC002	VU063422.D	t-1,4-Dichloro-2-butene	MMDadoda	6/25/2025 12:31:31 PM	Sam	6/25/2025 12:35:34 PM	Peak Integrated by Software
VSTDICC002	VU063422.D	Tert-Amyl methyl ether	MMDadoda	6/25/2025 12:31:31 PM	Sam	6/25/2025 12:35:34 PM	Peak Integrated by Software
VSTDICC005	VU063423.D	1,2,3-Trichloropropane	MMDadoda	6/25/2025 12:31:33 PM	Sam	6/25/2025 12:35:36 PM	Peak Integrated by Software
VSTDICC005	VU063423.D	1-Chlorobutane	MMDadoda	6/25/2025 12:31:33 PM	Sam	6/25/2025 12:35:36 PM	Peak Integrated by Software
VSTDICC005	VU063423.D	Ethyl-t-butyl ether	MMDadoda	6/25/2025 12:31:33 PM	Sam	6/25/2025 12:35:36 PM	Peak Integrated by Software
VSTDICC005	VU063423.D	Methylcyclohexane	MMDadoda	6/25/2025 12:31:33 PM	Sam	6/25/2025 12:35:36 PM	Peak Integrated by Software
VSTDICC005	VU063423.D	Nitrobenzene	MMDadoda	6/25/2025 12:31:33 PM	Sam	6/25/2025 12:35:36 PM	Peak Integrated by Software
VSTDICC005	VU063423.D	t-1,4-Dichloro-2-butene	MMDadoda	6/25/2025 12:31:33 PM	Sam	6/25/2025 12:35:36 PM	Peak Integrated by Software
VSTDICCC010	VU063424.D	1,2,3-Trichloropropane	MMDadoda	6/25/2025 12:31:35 PM	Sam	6/25/2025 12:35:38 PM	Peak Integrated by Software
VSTDICCC010	VU063424.D	1,4-Dichlorobenzene	MMDadoda	6/25/2025 12:31:35 PM	Sam	6/25/2025 12:35:38 PM	Peak Integrated by Software
VSTDICCC010	VU063424.D	1-Chlorobutane	MMDadoda	6/25/2025 12:31:35 PM	Sam	6/25/2025 12:35:38 PM	Peak Integrated by Software

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	VU062325	Instrument	MSVOA_u

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICCC010	VU063424.D	Acrylonitrile	MMDadoda	6/25/2025 12:31:35 PM	Sam	6/25/2025 12:35:38 PM	Peak Integrated by Software
VSTDICCC010	VU063424.D	Ethyl-t-butyl ether	MMDadoda	6/25/2025 12:31:35 PM	Sam	6/25/2025 12:35:38 PM	Peak Integrated by Software
VSTDICCC010	VU063424.D	Methacrylonitrile	MMDadoda	6/25/2025 12:31:35 PM	Sam	6/25/2025 12:35:38 PM	Peak Integrated by Software
VSTDICCC010	VU063424.D	Methyl acrylate	MMDadoda	6/25/2025 12:31:35 PM	Sam	6/25/2025 12:35:38 PM	Peak Integrated by Software
VSTDICCC010	VU063424.D	Methylcyclohexane	MMDadoda	6/25/2025 12:31:35 PM	Sam	6/25/2025 12:35:38 PM	Peak Integrated by Software
VSTDICCC010	VU063424.D	Nitrobenzene	MMDadoda	6/25/2025 12:31:35 PM	Sam	6/25/2025 12:35:38 PM	Peak Integrated by Software
VSTDICCC010	VU063424.D	t-1,4-Dichloro-2-butene	MMDadoda	6/25/2025 12:31:35 PM	Sam	6/25/2025 12:35:38 PM	Peak Integrated by Software
VSTDICC015	VU063425.D	1,1,2-Trichloro-1,2,2-trifluoroethane	MMDadoda	6/25/2025 12:31:37 PM	Sam	6/25/2025 12:35:40 PM	Peak Integrated by Software
VSTDICC015	VU063425.D	1,2,3-Trichloropropane	MMDadoda	6/25/2025 12:31:37 PM	Sam	6/25/2025 12:35:40 PM	Peak Integrated by Software
VSTDICC015	VU063425.D	Acrylonitrile	MMDadoda	6/25/2025 12:31:37 PM	Sam	6/25/2025 12:35:40 PM	Peak Integrated by Software
VSTDICC015	VU063425.D	Ethyl-t-butyl ether	MMDadoda	6/25/2025 12:31:37 PM	Sam	6/25/2025 12:35:40 PM	Peak Integrated by Software
VSTDICC015	VU063425.D	Methylcyclohexane	MMDadoda	6/25/2025 12:31:37 PM	Sam	6/25/2025 12:35:40 PM	Peak Integrated by Software
VSTDICC015	VU063425.D	Nitrobenzene	MMDadoda	6/25/2025 12:31:37 PM	Sam	6/25/2025 12:35:40 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VU062325	Instrument	MSVOA_u

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC015	VU063425.D	t-1,4-Dichloro-2-butene	MMDadoda	6/25/2025 12:31:37 PM	Sam	6/25/2025 12:35:40 PM	Peak Integrated by Software
VSTDICC0.5	VU063427.D	1,2,3-Trichloropropane	MMDadoda	6/25/2025 12:31:38 PM	Sam	6/25/2025 12:35:42 PM	Peak Integrated by Software
VSTDICC0.5	VU063427.D	1,4-Dichlorobenzene	MMDadoda	6/25/2025 12:31:38 PM	Sam	6/25/2025 12:35:42 PM	Peak Integrated by Software
VSTDICC0.5	VU063427.D	1-Chlorobutane	MMDadoda	6/25/2025 12:31:38 PM	Sam	6/25/2025 12:35:42 PM	Peak Integrated by Software
VSTDICC0.5	VU063427.D	Methyl acrylate	MMDadoda	6/25/2025 12:31:38 PM	Sam	6/25/2025 12:35:42 PM	Peak Integrated by Software
VSTDICC0.5	VU063427.D	Nitrobenzene	MMDadoda	6/25/2025 12:31:38 PM	Sam	6/25/2025 12:35:42 PM	Peak Integrated by Software
VSTDICC0.5	VU063427.D	t-1,4-Dichloro-2-butene	MMDadoda	6/25/2025 12:31:38 PM	Sam	6/25/2025 12:35:42 PM	Peak Integrated by Software
VSTDICV010	VU063428.D	1,2,3-Trichloropropane	MMDadoda	6/25/2025 12:31:41 PM	Sam	6/25/2025 12:35:44 PM	Peak Integrated by Software
VSTDICV010	VU063428.D	Methylcyclohexane	MMDadoda	6/25/2025 12:31:41 PM	Sam	6/25/2025 12:35:44 PM	Peak Integrated by Software
VSTDICV010	VU063428.D	Nitrobenzene	MMDadoda	6/25/2025 12:31:41 PM	Sam	6/25/2025 12:35:44 PM	Peak Integrated by Software
VSTDICV010	VU063428.D	t-1,4-Dichloro-2-butene	MMDadoda	6/25/2025 12:31:41 PM	Sam	6/25/2025 12:35:44 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VU062425	Instrument	MSVOA_u

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC010	VU063430.D	1,2,3-Trichloropropane	MMDadoda	6/25/2025 12:32:46 PM	Sam	6/25/2025 12:36:26 PM	Peak Integrated by Software
VSTDCCC010	VU063430.D	Acrylonitrile	MMDadoda	6/25/2025 12:32:46 PM	Sam	6/25/2025 12:36:26 PM	Peak Integrated by Software
VSTDCCC010	VU063430.D	t-1,4-Dichloro-2-butene	MMDadoda	6/25/2025 12:32:46 PM	Sam	6/25/2025 12:36:26 PM	Peak Integrated by Software
VU0624WBS01	VU063432.D	1,2,3-Trichloropropane	MMDadoda	6/25/2025 12:32:51 PM	Sam	6/25/2025 12:36:28 PM	Peak Integrated by Software
VU0624WBS01	VU063432.D	Methacrylonitrile	MMDadoda	6/25/2025 12:32:51 PM	Sam	6/25/2025 12:36:28 PM	Peak Integrated by Software
VU0624WBS01	VU063432.D	Nitrobenzene	MMDadoda	6/25/2025 12:32:51 PM	Sam	6/25/2025 12:36:28 PM	Peak Integrated by Software
VU0624WBS01	VU063432.D	t-1,4-Dichloro-2-butene	MMDadoda	6/25/2025 12:32:51 PM	Sam	6/25/2025 12:36:28 PM	Peak Integrated by Software
VU0624WBSD01	VU063433.D	1,2,3-Trichloropropane	MMDadoda	6/25/2025 12:32:53 PM	Sam	6/25/2025 12:36:30 PM	Peak Integrated by Software
VU0624WBSD01	VU063433.D	Acrylonitrile	MMDadoda	6/25/2025 12:32:53 PM	Sam	6/25/2025 12:36:30 PM	Peak Integrated by Software
VU0624WBSD01	VU063433.D	Fluorobenzene	MMDadoda	6/25/2025 12:32:53 PM	Sam	6/25/2025 12:36:30 PM	Peak Integrated by Software
VU0624WBSD01	VU063433.D	t-1,4-Dichloro-2-butene	MMDadoda	6/25/2025 12:32:53 PM	Sam	6/25/2025 12:36:30 PM	Peak Integrated by Software
VSTDCCC010	VU063436.D	1,2,3-Trichloropropane	MMDadoda	6/25/2025 12:32:55 PM	Sam	6/25/2025 12:36:32 PM	Peak Integrated by Software
VSTDCCC010	VU063436.D	t-1,4-Dichloro-2-butene	MMDadoda	6/25/2025 12:32:55 PM	Sam	6/25/2025 12:36:32 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VU062425	Instrument	MSVOA_u

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC010	VU063438.D	1,2,3-Trichloropropane	MMDadoda	6/25/2025 12:32:58 PM	Sam	6/25/2025 12:36:34 PM	Peak Integrated by Software
VSTDCCC010	VU063438.D	Acrylonitrile	MMDadoda	6/25/2025 12:32:58 PM	Sam	6/25/2025 12:36:34 PM	Peak Integrated by Software
VSTDCCC010	VU063438.D	t-1,4-Dichloro-2-butene	MMDadoda	6/25/2025 12:32:58 PM	Sam	6/25/2025 12:36:34 PM	Peak Integrated by Software
VSTDCCC010	VU063447.D	1,2,3-Trichloropropane	MMDadoda	6/25/2025 12:33:17 PM	Sam	6/25/2025 12:36:52 PM	Peak Integrated by Software
VSTDCCC010	VU063447.D	t-1,4-Dichloro-2-butene	MMDadoda	6/25/2025 12:33:17 PM	Sam	6/25/2025 12:36:52 PM	Peak Integrated by Software

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Instrument ID: MSVOA_U

Daily Analysis Runlog For Sequence/QCBatch ID # VU062325

Review By	Mahesh Dadoda	Review On	6/25/2025 12:31:47 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/25/2025 12:35:51 PM		
SubDirectory	VU062325	HP Acquire Method	MSVOA_U	HP Processing Method	524u062325dw.m

STD. NAME	STD REF.#
Tune/Reschk	VP134472
Initial Calibration Stds	VP134487,VP134488,VP134489,VP134490,VP134491,VP134492
CCC	
Internal Standard/PEM	VP132884
ICV/I.BLK	VP134493
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VU063419.D	23 Jun 2025 08:48	MD/SY	Ok
2	VSTDICC0.5	VU063420.D	23 Jun 2025 10:03	MD/SY	Not Ok
3	VSTDICC001	VU063421.D	23 Jun 2025 10:34	MD/SY	Ok,M
4	VSTDICC002	VU063422.D	23 Jun 2025 11:08	MD/SY	Ok,M
5	VSTDICC005	VU063423.D	23 Jun 2025 11:39	MD/SY	Ok,M
6	VSTDICCC010	VU063424.D	23 Jun 2025 12:12	MD/SY	Ok,M
7	VSTDICC015	VU063425.D	23 Jun 2025 13:05	MD/SY	Ok,M
8	VIBLK	VU063426.D	23 Jun 2025 14:07	MD/SY	Ok
9	VSTDICC0.5	VU063427.D	23 Jun 2025 14:36	MD/SY	Ok,M
10	VSTDICV010	VU063428.D	23 Jun 2025 17:06	MD/SY	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_U

Daily Analysis Runlog For Sequence/QCBatch ID # VU062425

Review By	Mahesh Dadoda	Review On	6/25/2025 12:33:25 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/25/2025 12:37:10 PM		
SubDirectory	VU062425	HP Acquire Method	MSVOA_U	HP Processing Method	524u062325dw.m

STD. NAME	STD REF.#
Tune/Reschk	VP134494,VP134499
Initial Calibration Stds	
CCC	VP134495,VP134496,VP134500,VP134501,LOD-VP134502,VP134503,VP134504,LOQ-VP134505,VP134506
Internal Standard/PEM	VP132884
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VU063429.D	24 Jun 2025 09:49	MD/SY	Ok
2	VSTDCCC010	VU063430.D	24 Jun 2025 10:17	MD/SY	Ok,M
3	VU0624WBL01	VU063431.D	24 Jun 2025 11:14	MD/SY	Ok
4	VU0624WBS01	VU063432.D	24 Jun 2025 11:48	MD/SY	Ok,M
5	VU0624WBSD01	VU063433.D	24 Jun 2025 12:16	MD/SY	Ok,M
6	Q2377-01	VU063434.D	24 Jun 2025 12:54	MD/SY	Ok
7	Q2377-03	VU063435.D	24 Jun 2025 13:22	MD/SY	Ok
8	VSTDCCC010	VU063436.D	24 Jun 2025 13:49	MD/SY	Ok,M
9	BFB	VU063437.D	24 Jun 2025 14:19	MD/SY	Ok
10	VSTDCCC010	VU063438.D	24 Jun 2025 14:52	MD/SY	Ok,M
11	VU0624WBL02	VU063439.D	24 Jun 2025 15:54	MD/SY	Ok
12	VU0624WBS02	VU063440.D	24 Jun 2025 16:23	MD/SY	Ok,M
13	VU0624WBSD02	VU063441.D	24 Jun 2025 16:53	MD/SY	Ok,M
14	Q2126-08	VU063442.D	24 Jun 2025 17:24	MD/SY	Ok,M
15	Q2126-08	VU063443.D	24 Jun 2025 17:54	MD/SY	Ok,M
16	Q2126-07	VU063444.D	24 Jun 2025 18:25	MD/SY	Ok,M
17	Q2126-07	VU063445.D	24 Jun 2025 18:56	MD/SY	Ok,M
18	Q2126-07	VU063446.D	24 Jun 2025 19:26	MD/SY	Ok,M
19	VSTDCCC010	VU063447.D	24 Jun 2025 19:57	MD/SY	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_U

Daily Analysis Runlog For Sequence/QCBatch ID # VU062325

Review By	Mahesh Dadoda	Review On	6/25/2025 12:31:47 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/25/2025 12:35:51 PM		
SubDirectory	VU062325	HP Acquire Method	MSVOA_U	HP Processing Method	524u062325dw.m

STD. NAME	STD REF.#
Tune/Reschk	VP134472
Initial Calibration Stds	VP134487,VP134488,VP134489,VP134490,VP134491,VP134492
CCC	
Internal Standard/PEM	VP132884
ICV/I.BLK	VP134493
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VU063419.D	23 Jun 2025 08:48		MD/SY	Ok
2	VSTDICC0.5	VSTDICC0.5	VU063420.D	23 Jun 2025 10:03	low repsonses	MD/SY	Not Ok
3	VSTDICC001	VSTDICC001	VU063421.D	23 Jun 2025 10:34	%D failed for Comp. #13 in 001PPB	MD/SY	Ok,M
4	VSTDICC002	VSTDICC002	VU063422.D	23 Jun 2025 11:08	Comp.#47,64,66,73,75,78,80,81, 89 are on Linear Regression	MD/SY	Ok,M
5	VSTDICC005	VSTDICC005	VU063423.D	23 Jun 2025 11:39	Comp.#13,48,54 are on Quadratic Regression	MD/SY	Ok,M
6	VSTDICCC010	VSTDICCC010	VU063424.D	23 Jun 2025 12:12	Drinking water method	MD/SY	Ok,M
7	VSTDICC015	VSTDICC015	VU063425.D	23 Jun 2025 13:05	524.2	MD/SY	Ok,M
8	VIBLK	VIBLK	VU063426.D	23 Jun 2025 14:07	25ml PURGE	MD/SY	Ok
9	VSTDICC0.5	VSTDICC0.5	VU063427.D	23 Jun 2025 14:36	%D failed for Comp. #80 in 0.5PPB	MD/SY	Ok,M
10	VSTDICV010	ICVVU062325	VU063428.D	23 Jun 2025 17:06		MD/SY	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_U

Daily Analysis Runlog For Sequence/QCBatch ID # VU062425

Review By	Mahesh Dadoda	Review On	6/25/2025 12:33:25 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/25/2025 12:37:10 PM		
SubDirectory	VU062425	HP Acquire Method	MSVOA_U	HP Processing Method	524u062325dw.m

STD. NAME	STD REF.#
Tune/Reschk	VP134494,VP134499
Initial Calibration Stds	
CCC	VP134495,VP134496,VP134500,VP134501,LOD-VP134502,VP134503,VP134504,LOQ-VP134505,VP134506
Internal Standard/PEM	VP132884
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VU063429.D	24 Jun 2025 09:49		MD/SY	Ok
2	VSTDCCC010	VSTDCCC010	VU063430.D	24 Jun 2025 10:17		MD/SY	Ok,M
3	VU0624WBL01	VU0624WBL01	VU063431.D	24 Jun 2025 11:14		MD/SY	Ok
4	VU0624WBS01	VU0624WBS01	VU063432.D	24 Jun 2025 11:48		MD/SY	Ok,M
5	VU0624WBSD01	VU0624WBSD01	VU063433.D	24 Jun 2025 12:16		MD/SY	Ok,M
6	Q2377-01	PW-B6-L66-061925	VU063434.D	24 Jun 2025 12:54		MD/SY	Ok
7	Q2377-03	TB01-061925	VU063435.D	24 Jun 2025 13:22	TB	MD/SY	Ok
8	VSTDCCC010	VSTDCCC010EC	VU063436.D	24 Jun 2025 13:49		MD/SY	Ok,M
9	BFB	BFB	VU063437.D	24 Jun 2025 14:19		MD/SY	Ok
10	VSTDCCC010	VSTDCCC010	VU063438.D	24 Jun 2025 14:52		MD/SY	Ok,M
11	VU0624WBL02	VU0624WBL02	VU063439.D	24 Jun 2025 15:54		MD/SY	Ok
12	VU0624WBS02	VU0624WBS02	VU063440.D	24 Jun 2025 16:23		MD/SY	Ok,M
13	VU0624WBSD02	VU0624WBSD02	VU063441.D	24 Jun 2025 16:53		MD/SY	Ok,M
14	Q2126-08	LOQ-WATER-02-QT2-2	VU063442.D	24 Jun 2025 17:24	RL-check-0.5 ppb	MD/SY	Ok,M
15	Q2126-08	LOQ-WATER-02-QT2-2	VU063443.D	24 Jun 2025 17:54	RL-check-1.0 ppb	MD/SY	Ok,M
16	Q2126-07	LOD-MDL-WATER-01-(	VU063444.D	24 Jun 2025 18:25	0.25 ppb	MD/SY	Ok,M
17	Q2126-07	LOD-MDL-WATER-01-(	VU063445.D	24 Jun 2025 18:56	0.4 ppb	MD/SY	Ok,M
18	Q2126-07	LOD-MDL-WATER-01-(	VU063446.D	24 Jun 2025 19:26	0.8 ppb	MD/SY	Ok,M

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Instrument ID: MSVOA_U

Daily Analysis Runlog For Sequence/QCBatch ID # VU062425

Review By	Mahesh Dadoda	Review On	6/25/2025 12:33:25 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/25/2025 12:37:10 PM		
SubDirectory	VU062425	HP Acquire Method	MSVOA_U	HP Processing Method	524u062325dw.m

STD. NAME	STD REF.#
Tune/Reschk	VP134494,VP134499
Initial Calibration Stds	
CCC	VP134495,VP134496,VP134500,VP134501,LOD-VP134502,VP134503,VP134504,LOQ-VP134505,VP134506
Internal Standard/PEM	VP132884
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	VSTDCCC010	VSTDCCC010EC	VU063447.D	24 Jun 2025 19:57		MD/SY	Ok,M

M : Manual Integration

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LAB CHRONICLE

OrderID:	Q2377	**OrderDate:**	6/20/2025 11:23:00 AM
Client:	JACOBS Engineering Group, Inc.	**Project:**	Former Schlumberger STC PTC Site D3868221
Contact:	John Ynfante	**Location:**	D51,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2377-01	**PW-B6-L66-061925**	**Water**			**06/19/25**			**06/19/25**
			VOCMS Group3	524.2			06/24/25	
Q2377-02	**PW-B6-L66-061925-SIM**	**Water**			**06/19/25**			**06/19/25**
			VOC-SIM	SFAM_VOCSIM			06/23/25	
Q2377-03	**TB01-061925**	**Water**			**06/19/25**			**06/19/25**
			VOCMS Group3	524.2			06/24/25	

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Hit Summary Sheet
SFAM_VOCSIM

SDG No.: Q2377

Client: JACOBS Engineering Group, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:								
				0				

Total Voc :

Total Concentration:

SAMPLE DATA

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	06/19/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	06/19/25
Client Sample ID:	PW-B6-L66-061925-SIM	SDG No.:	Q2377
Lab Sample ID:	Q2377-02	Matrix:	Water
Analytical Method:	SFAM_VOCSIM	% Solid:	0
Sample Wt/Vol:	25 Units: mL	Final Vol:	25000 uL
Soil Aliquot Vol:	uL	Test:	VOC-SIM
GC Column:	DB-624UI ID : 0.18	Level :	
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VV038820.D	1		06/23/25 10:00	VV062325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl chloride	0.021	U	0.021	0.050	ug/L
SURROGATES						
6745-35-3	Vinyl Chloride-d3	0.42		40 - 130	84.6%	SPK: 0.5
17060-07-0	1,2-Dichloroethane-d4	0.43		70 - 130	85.2%	SPK: 0.5
93952-08-0	1,2-Dichloropropane-d6	0.47		60 - 140	93.8%	SPK: 0.5
2037-26-5	Toluene-d8	0.46		70 - 130	92%	SPK: 0.5
33685-54-0	1,1,2,2-Tetrachloroethane-d2	0.42		65 - 120	84.4%	SPK: 0.5
INTERNAL STANDARDS						
3114-55-4	Chlorobenzene-d5	6820	8.785			
540-36-3	1,4-Difluorobenzene	7440	5.566			
3855-82-1	1,4-Dichlorobenzene-d4	2940	11.191			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

QC SUMMARY

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Surrogate Summary

SDG No.: Q2377

Client: JACOBS Engineering Group, Inc.

Analytical Method: SFAM_VOCSIM

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q2377-02	PW-B6-L66-061925-SIM	Vinyl chloride-d3	0.5	0.42	85	40	130
		1,2-Dichloroethane-d4	0.5	0.43	85	70	130
		1,2-Dichloropropane-d6	0.5	0.47	94	60	140
		Toluene-d8	0.5	0.46	92	70	130
		1,1,2,2-Tetrachloroethane-d2	0.5	0.42	84	65	120
VV0623WBL01	VBLK229	Vinyl chloride-d3	0.5	0.48	95	40	130
		1,2-Dichloroethane-d4	0.5	0.49	98	70	130
		1,2-Dichloropropane-d6	0.5	0.53	107	60	140
		Toluene-d8	0.5	0.51	102	70	130
		1,1,2,2-Tetrachloroethane-d2	0.5	0.51	102	65	120

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Fax : 908 789 8922

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VBLK229

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q2377 SAS No.: Q2377 SDG NO.: Q2377

Lab File ID: VV038819.D Lab Sample ID: VV0623WBL01

Date Analyzed: 06/23/2025 Time Analyzed: 09:23

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOA_V

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PW-B6-L66-061925-SIM	Q2377-02	VV038820.D	06/23/2025

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q2377 SAS No.: Q2377 SDG NO.: Q2377

Lab File ID: VV038795.D BFB Injection Date: 06/16/2025

Instrument ID: MSVOA_V BFB Injection Time: 08:45

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.1
75	30.0 - 60.0% of mass 95	52
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	1.4 (1.8) 1
174	50.0 - 100.0% of mass 95	77
175	5.0 - 9.0% of mass 174	6 (7.9) 1
176	95.0 - 101.0% of mass 174	73.5 (95.6) 1
177	5.0 - 9.0% of mass 176	4.7 (6.4) 2

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

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTD0.05242	VSTD0.0542	VV038796.D	06/16/2025	09:28
VSTD0.1243	VSTD0.143	VV038797.D	06/16/2025	10:15
VSTD0.5244	VSTD0.544	VV038798.D	06/16/2025	10:43
VSTD001245	VSTD00145	VV038799.D	06/16/2025	11:14
VSTD002246	VSTD00246	VV038800.D	06/16/2025	11:36

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q2377 SAS No.: Q2377 SDG NO.: Q2377

Lab File ID: VV038817.D BFB Injection Date: 06/23/2025

Instrument ID: MSVOA_V BFB Injection Time: 08:07

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19
75	30.0 - 60.0% of mass 95	52.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	1.4 (1.7) 1
174	50.0 - 100.0% of mass 95	78.2
175	5.0 - 9.0% of mass 174	5.3 (6.7) 1
176	95.0 - 101.0% of mass 174	77.1 (98.6) 1
177	5.0 - 9.0% of mass 176	4.7 (6.1) 2

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

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTD0.5324	VSTDCCC0.5	VV038818.D	06/23/2025	08:44
VBLK229	VV0623WBL01	VV038819.D	06/23/2025	09:23
PW-B6-L66-061925-SIM	Q2377-02	VV038820.D	06/23/2025	10:00
VSTD0.5325	VSTDCCC0.5EC	VV038821.D	06/23/2025	13:37

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q2377 SAS No.: Q2377 SDG NO.: Q2377

Lab File ID: VV038818.D Date Analyzed: 06/23/2025

Instrument ID: MSVOA_V Time Analyzed: 08:44

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 (DFB) AREA #	RT #	IS2 (CBZ) AREA #	RT #	IS3 (DCB) AREA #	RT #
12 HOUR STD	6318	5.57	5798	8.79	2580	11.19
UPPER LIMIT	12636	5.736	11596	8.955	5160	11.361
LOWER LIMIT	3159	5.396	2899	8.615	1290	11.021
EPA SAMPLE NO.						
PW-B6-L66-061925-SIM	7436	5.57	6823	8.79	2936	11.19
VBLK229	6610	5.57	6099	8.79	2691	11.19

IS1 (DFB) = 1,4-Difluorobenzene
IS2 (CBZ) = Chlorobenzene-d5
IS3 (DCB) = 1,4-Dichlorobenzene-d4

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

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

QC SAMPLE DATA

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	
Client Sample ID:	VBLK229	SDG No.:	Q2377
Lab Sample ID:	VV0623WBL01	Matrix:	Water
Analytical Method:	SFAM_VOCSIM	% Solid:	0
Sample Wt/Vol:	25 Units: mL	Final Vol:	25000 uL
Soil Aliquot Vol:	uL	Test:	VOC-SIM
GC Column:	DB-624UI ID : 0.18	Level :	
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VV038819.D	1		06/23/25 09:23	VV062325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl chloride	0.021	U	0.021	0.050	ug/L
SURROGATES						
6745-35-3	Vinyl Chloride-d3	0.48		40 - 130	95.4%	SPK: 0.5
17060-07-0	1,2-Dichloroethane-d4	0.49		70 - 130	98.4%	SPK: 0.5
93952-08-0	1,2-Dichloropropane-d6	0.53		60 - 140	106.6%	SPK: 0.5
2037-26-5	Toluene-d8	0.51		70 - 130	102.4%	SPK: 0.5
33685-54-0	1,1,2,2-Tetrachloroethane-d2	0.51		65 - 120	102%	SPK: 0.5
INTERNAL STANDARDS						
3114-55-4	Chlorobenzene-d5	6100	8.785			
540-36-3	1,4-Difluorobenzene	6610	5.566			
3855-82-1	1,4-Dichlorobenzene-d4	2690	11.191			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

CALIBRATION SUMMARY

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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q2377 SAS No.: Q2377 SDG No.: Q2377

Instrument ID: MSVOA_V Calibration Date(s): 06/16/2025 06/16/2025

Heated Purge: (Y/N) N Calibration Time(s): 09:28 11:36

GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID: RRFAL1 = VV038796.D RRFAL2 = VV038797.D RRFAL3 = VV038798.D
RRFAL4 = VV038799.D RRFAL5 = VV038800.D RRF =

COMPOUND	RRFAL1	RRFAL2	RRFAL3	RRFAL4	RRFAL5	RRF	$\overline{RRF}$	% RSD
Vinyl chloride	0.990	0.868	0.877	0.905	0.861		0.900	5.9
Vinyl Chloride-d3	0.474	0.471	0.468	0.495	0.467		0.475	2.4
1,2-Dichloroethane-d4	0.211	0.222	0.227	0.255	0.250		0.233	8.1
1,2-Dichloropropane-d6	0.243	0.269	0.298	0.314	0.292		0.283	9.8
Toluene-d8	0.525	0.519	0.583	0.631	0.601		0.572	8.5
1,1,2,2-Tetrachloroethane-d2	0.190	0.181	0.203	0.218	0.202		0.199	7.1

* Compounds with required minimum RRF and maximum %RSD values.
All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q2377 SAS No.: Q2377 SDG No.: Q2377

Instrument ID: MSVOA_V Calibration Date/Time: 06/23/2025 08:44

Lab File ID: VV038818.D Init. Calib. Date(s): 06/16/2025 06/16/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:28 11:36

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
Vinyl chloride	0.900	0.916	0.01	1.7	30
Vinyl Chloride-d3	0.475	0.483	0.01	1.7	30
1,2-Dichloroethane-d4	0.233	0.238	0.01	2.2	25
1,2-Dichloropropane-d6	0.283	0.311	0.1	9.9	20
Toluene-d8	0.572	0.624	0.2	9.2	20
1,1,2,2-Tetrachloroethane-d2	0.199	0.217	0.01	9.1	25

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q2377 SAS No.: Q2377 SDG No.: Q2377

Instrument ID: MSVOA_V Calibration Date/Time: 06/23/2025 13:37

Lab File ID: VV038821.D Init. Calib. Date(s): 06/16/2025 06/16/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:28 11:36

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRFCAL	MIN RRF	%D	MAX%D
Vinyl chloride	0.900	0.907	0.01	0.8	50
Vinyl Chloride-d3	0.475	0.494	0.01	4	50
1,2-Dichloroethane-d4	0.233	0.248	0.01	6.4	50
1,2-Dichloropropane-d6	0.283	0.332	0.1	17.3	50
Toluene-d8	0.572	0.623	0.2	9	50
1,1,2,2-Tetrachloroethane-d2	0.199	0.224	0.01	12.5	50

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

SAMPLE RAW DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV062325\
Data File : VV038820.D
Acq On : 23 Jun 2025 10:00
Operator : SY/MD
Sample : Q2377-02
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
PW-B6-L66-061925-SIM

Quant Time: Jun 24 01:40:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVSIM061625.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Jun 21 03:37:28 2025
Response via : Initial Calibration

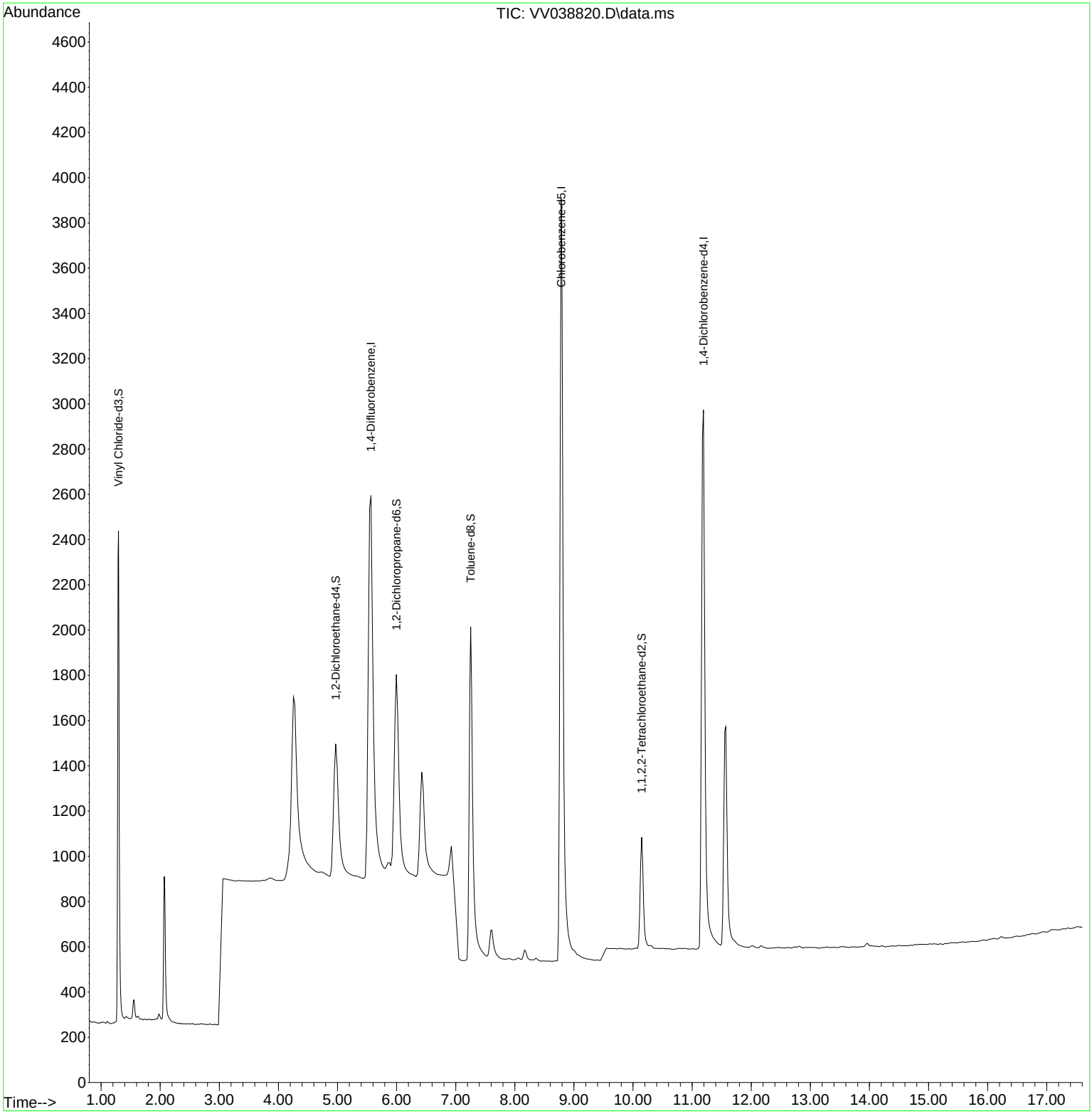
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.566	114	7436	0.500	ug/L	0.00
5) Chlorobenzene-d5	8.785	117	6823	0.500	ug/L	0.00
11) 1,4-Dichlorobenzene-d4	11.191	152	2936	0.500	ug/L	0.00
System Monitoring Compounds						
2) Vinyl Chloride-d3	1.294	65	2985	0.423	ug/L	0.00
Spiked Amount 0.500	Range 40 - 130		Recovery = 84.000%			
4) 1,2-Dichloroethane-d4	4.969	65	1476	0.426	ug/L	0.00
Spiked Amount 0.500	Range 70 - 130		Recovery = 86.000%			
7) 1,2-Dichloropropane-d6	5.995	67	1812	0.469	ug/L	0.00
Spiked Amount 0.500	Range 60 - 140		Recovery = 94.000%			
8) Toluene-d8	7.253	98	3588	0.460	ug/L	0.00
Spiked Amount 0.500	Range 70 - 130		Recovery = 92.000%			
10) 1,1,2,2-Tetrachloroeth...	10.146	84	1147	0.422	ug/L	0.00
Spiked Amount 0.500	Range 65 - 120		Recovery = 84.000%			
Target Compounds						Qvalue

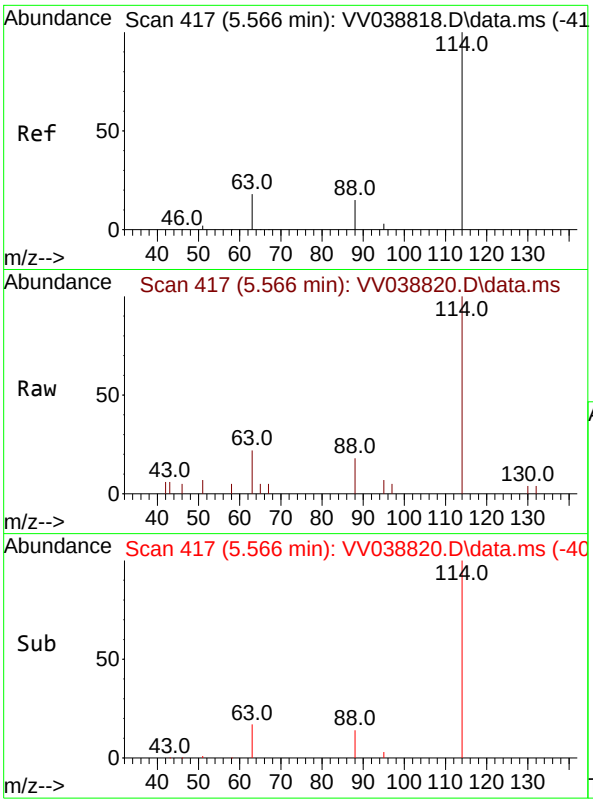
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV062325\
Data File : VV038820.D
Acq On : 23 Jun 2025 10:00
Operator : SY/MD
Sample : Q2377-02
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
PW-B6-L66-061925-SIM

Quant Time: Jun 24 01:40:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVSIM061625.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Jun 21 03:37:28 2025
Response via : Initial Calibration



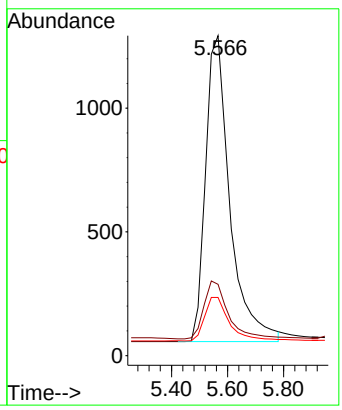


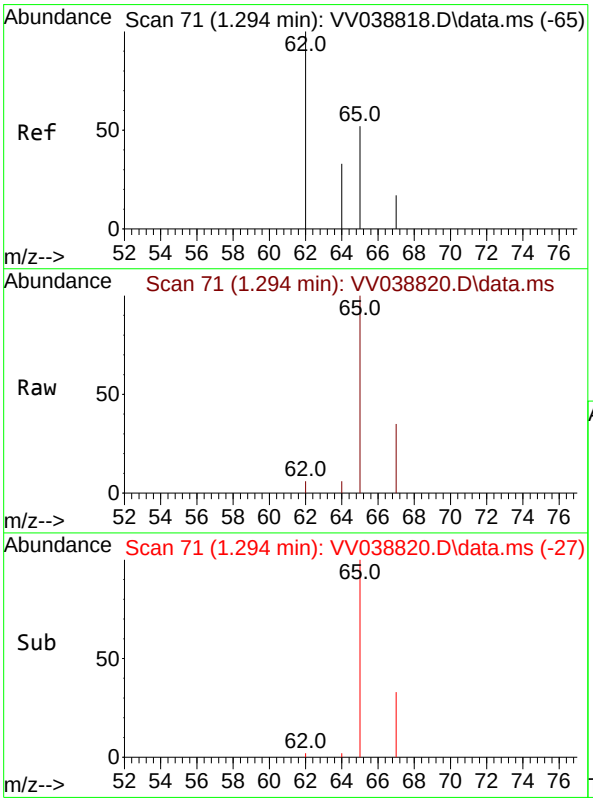
#1
1,4-Difluorobenzene
Concen: 0.500 ug/L
RT: 5.566 min Scan# 41
Delta R.T. -0.000 min
Lab File: VV038820.D
Acq: 23 Jun 2025 10:00

Instrument :
MSVOA_V
ClientSampleId :
PW-B6-L66-061925-SIM

Tgt Ion:114 Resp: 7436

Ion	Ratio	Lower	Upper
114	100		
63	18.9	14.6	21.8
88	14.6	12.1	18.1

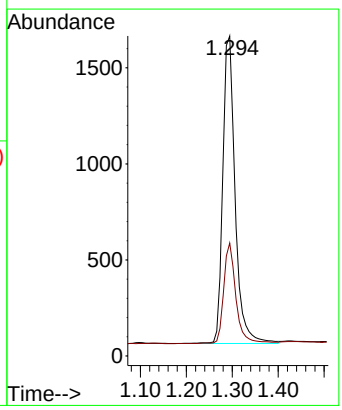


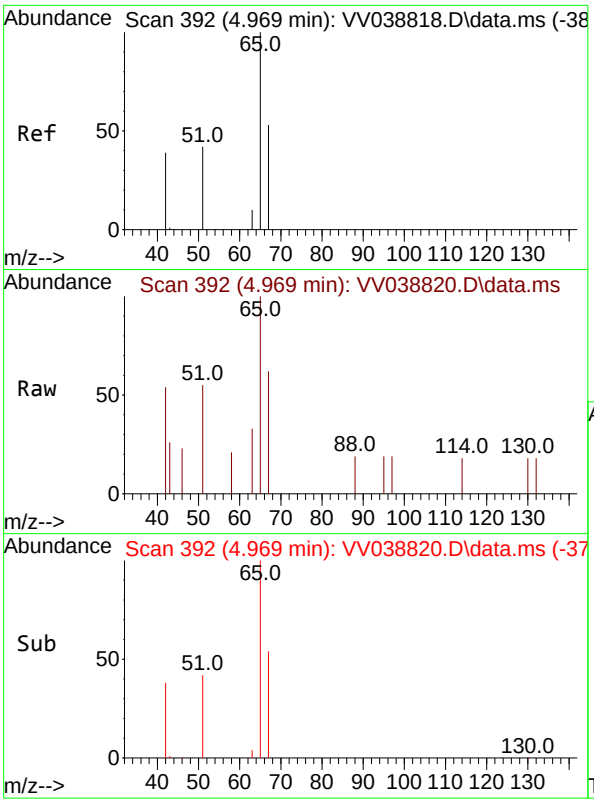


#2
Vinyl Chloride-d3
Concen: 0.423 ug/L
RT: 1.294 min Scan# 71
Delta R.T. 0.007 min
Lab File: VV038820.D
Acq: 23 Jun 2025 10:00

Tgt Ion: 65 Resp: 2985

Ion	Ratio	Lower	Upper
65	100		
67	32.2	24.4	45.4



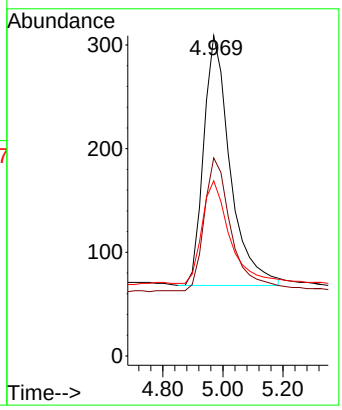


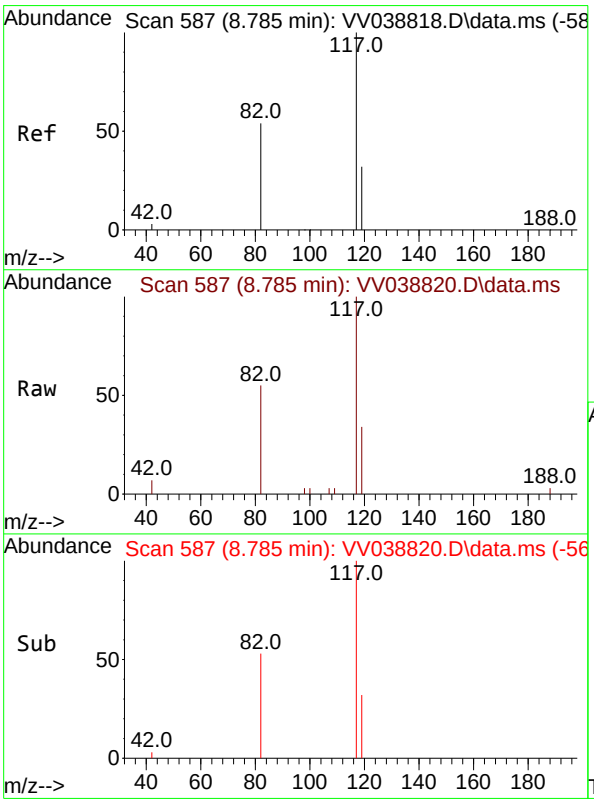
#4
1,2-Dichloroethane-d4
Concen: 0.426 ug/L
RT: 4.969 min Scan# 3
Delta R.T. -0.000 min
Lab File: VV038820.D
Acq: 23 Jun 2025 10:00

Instrument :
MSVOA_V
ClientSampleId :
PW-B6-L66-061925-SIM

Tgt Ion: 65 Resp: 1476

Ion	Ratio	Lower	Upper
65	100		
67	53.9	38.9	72.2
51	42.8	25.8	47.8

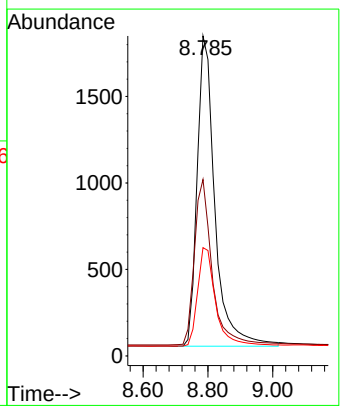


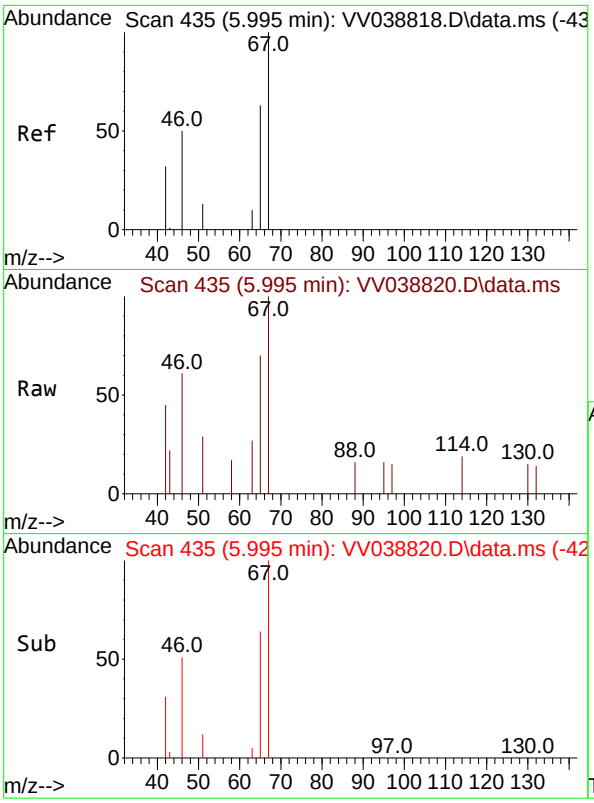


#5
Chlorobenzene-d5
Concen: 0.500 ug/L
RT: 8.785 min Scan# 587
Delta R.T. -0.000 min
Lab File: VV038820.D
Acq: 23 Jun 2025 10:00

Tgt Ion:117 Resp: 6823

Ion	Ratio	Lower	Upper
117	100		
82	53.3	40.6	60.8
119	32.2	25.7	38.5



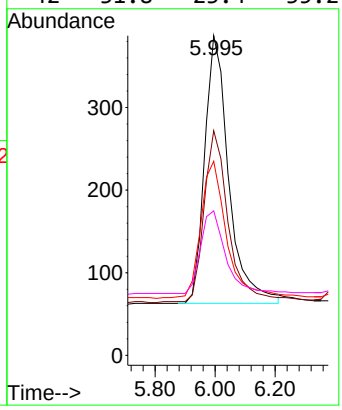


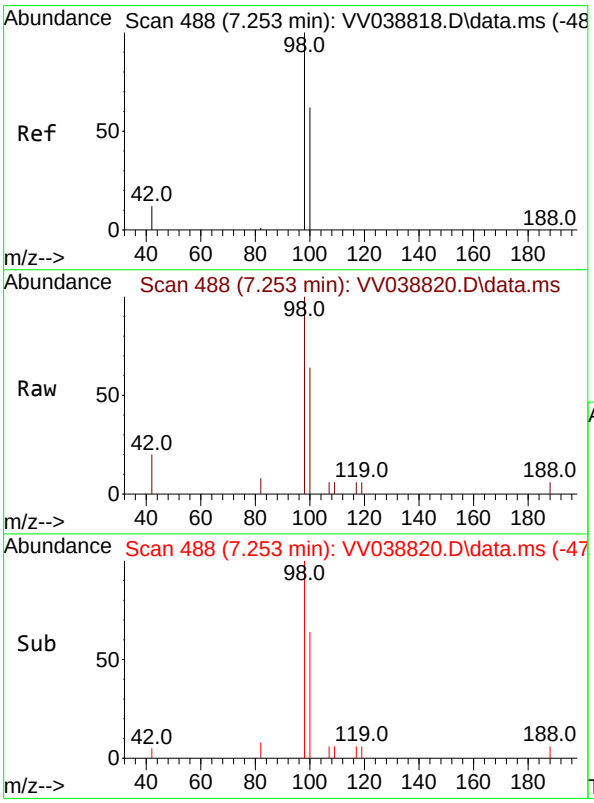
#7
1,2-Dichloropropane-d6
Concen: 0.469 ug/L
RT: 5.995 min Scan# 4
Delta R.T. -0.000 min
Lab File: VV038820.D
Acq: 23 Jun 2025 10:00

Instrument :
MSVOA_V
ClientSampleId :
PW-B6-L66-061925-SIM

Tgt Ion: 67 Resp: 1812

Ion	Ratio	Lower	Upper
67	100		
65	64.7	48.6	73.0
46	54.9	37.9	56.9
42	31.8	23.4	35.2

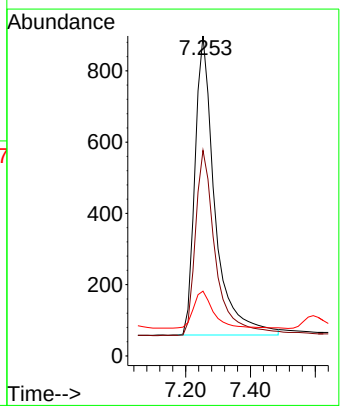


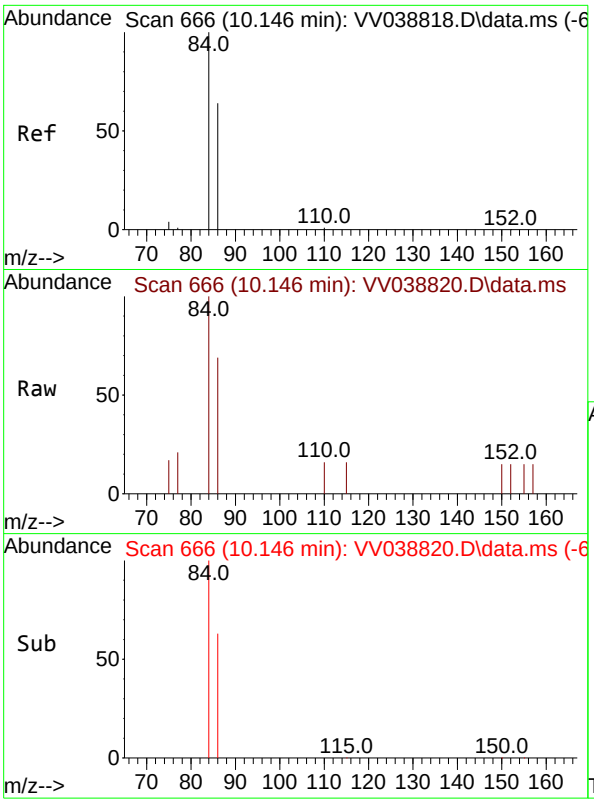


#8
Toluene-d8
Concen: 0.460 ug/L
RT: 7.253 min Scan# 488
Delta R.T. -0.000 min
Lab File: VV038820.D
Acq: 23 Jun 2025 10:00

Tgt Ion: 98 Resp: 3588

Ion	Ratio	Lower	Upper
98	100		
100	62.5	44.9	83.5
42	12.3	6.3	11.7#



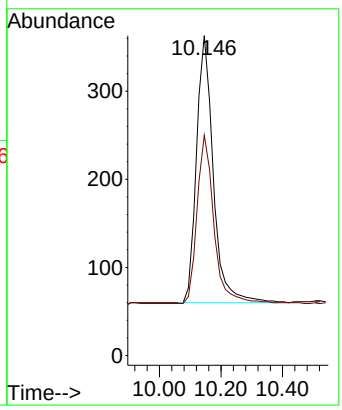


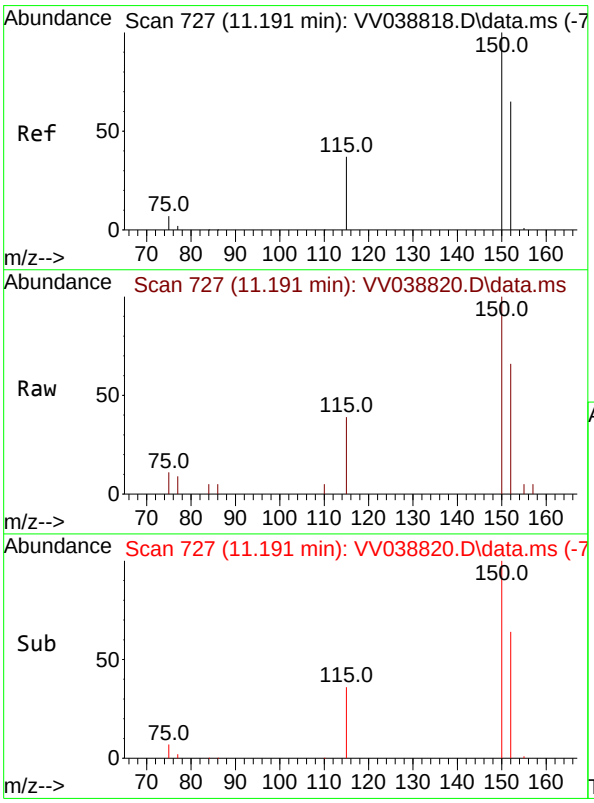
#10
1,1,2,2-Tetrachloroethane-d2
Concen: 0.422 ug/L
RT: 10.146 min Scan# 6
Delta R.T. -0.000 min
Lab File: VV038820.D
Acq: 23 Jun 2025 10:00

Instrument :
MSVOA_V
ClientSampleId :
PW-B6-L66-061925-SIM

Tgt Ion: 84 Resp: 1147

Ion	Ratio	Lower	Upper
84	100		
86	63.3	44.7	82.9

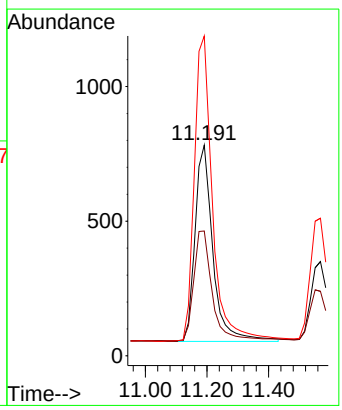




#11
1,4-Dichlorobenzene-d4
Concen: 0.500 ug/L
RT: 11.191 min Scan# 727
Delta R.T. -0.000 min
Lab File: VV038820.D
Acq: 23 Jun 2025 10:00

Tgt Ion:152 Resp: 2936

Ion	Ratio	Lower	Upper
152	100		
115	57.4	0.0	114.4
150	158.2	0.0	315.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV062325\
Data File : VV038819.D
Acq On : 23 Jun 2025 09:23
Operator : SY/MD
Sample : VV0623WBL01
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VBLK229

Quant Time: Jun 24 01:40:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVSIM061625.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Jun 21 03:37:28 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Difluorobenzene	5.566	114	6610	0.500	ug/L	0.00
5) Chlorobenzene-d5	8.785	117	6099	0.500	ug/L	0.00
11) 1,4-Dichlorobenzene-d4	11.191	152	2691	0.500	ug/L	0.00
System Monitoring Compounds						
2) Vinyl Chloride-d3	1.294	65	2995	0.477	ug/L	0.00
Spiked Amount 0.500	Range 40 - 130		Recovery = 96.000%			
4) 1,2-Dichloroethane-d4	4.969	65	1515	0.492	ug/L	0.00
Spiked Amount 0.500	Range 70 - 130		Recovery = 98.000%			
7) 1,2-Dichloropropane-d6	5.995	67	1841	0.533	ug/L	0.00
Spiked Amount 0.500	Range 60 - 140		Recovery = 106.000%			
8) Toluene-d8	7.253	98	3573	0.512	ug/L	0.00
Spiked Amount 0.500	Range 70 - 130		Recovery = 102.000%			
10) 1,1,2,2-Tetrachloroeth...	10.146	84	1237	0.510	ug/L	0.00
Spiked Amount 0.500	Range 65 - 120		Recovery = 102.000%			

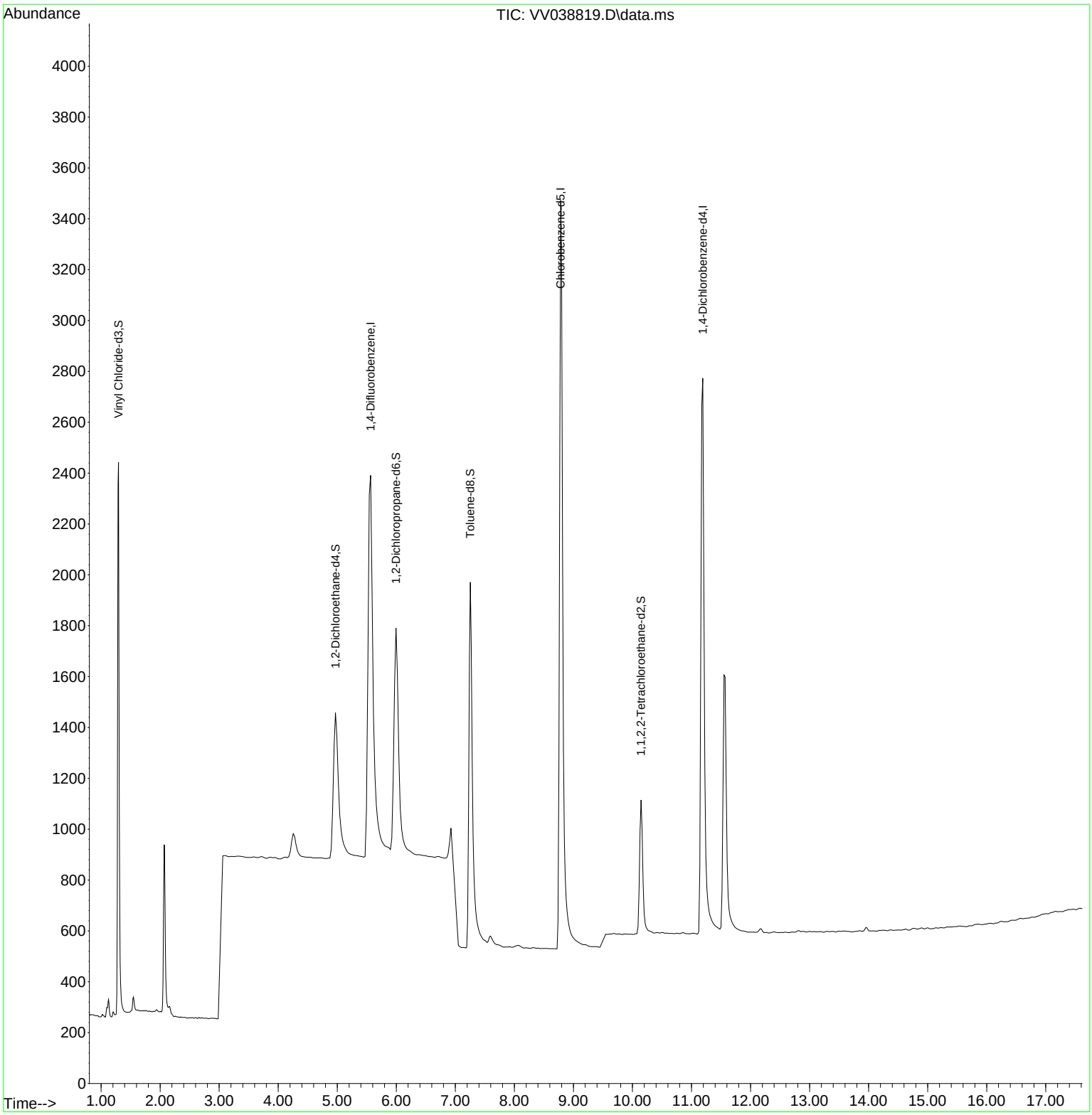
Target Compounds Qvalue

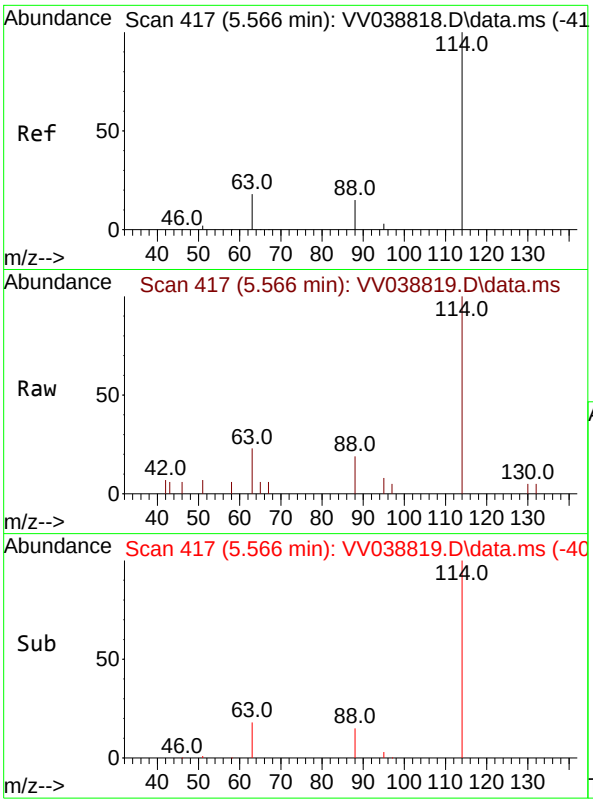
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV062325\
Data File : VV038819.D
Acq On : 23 Jun 2025 09:23
Operator : SY/MD
Sample : VV0623WBL01
Misc : 25.0mL/MSVOA_V/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VBLK229

Quant Time: Jun 24 01:40:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\SFAMVSIM061625.M
Quant Title : TRACE VOA SOM01.0
QLast Update : Sat Jun 21 03:37:28 2025
Response via : Initial Calibration



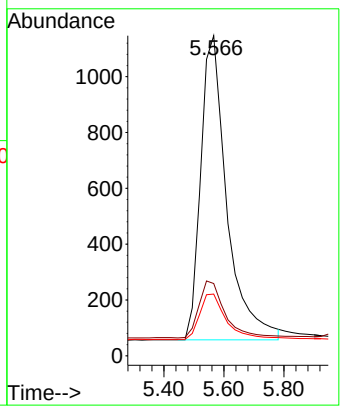


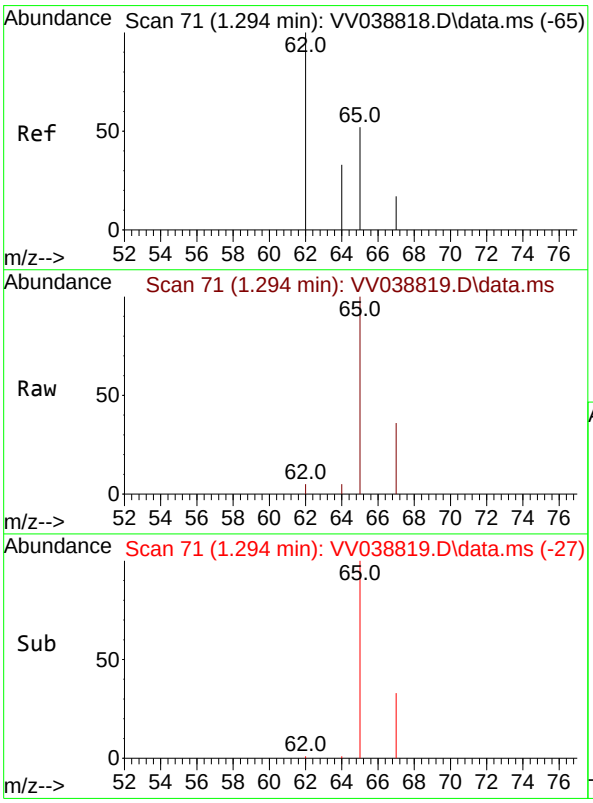
#1
1,4-Difluorobenzene
Concen: 0.500 ug/L
RT: 5.566 min Scan# 41
Delta R.T. -0.000 min
Lab File: VV038819.D
Acq: 23 Jun 2025 09:23

Instrument :
MSVOA_V
ClientSampleId :
VBLK229

Tgt Ion:114 Resp: 6610

Ion	Ratio	Lower	Upper
114	100		
63	18.7	14.6	21.8
88	15.1	12.1	18.1

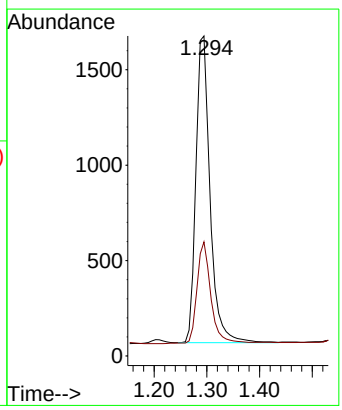


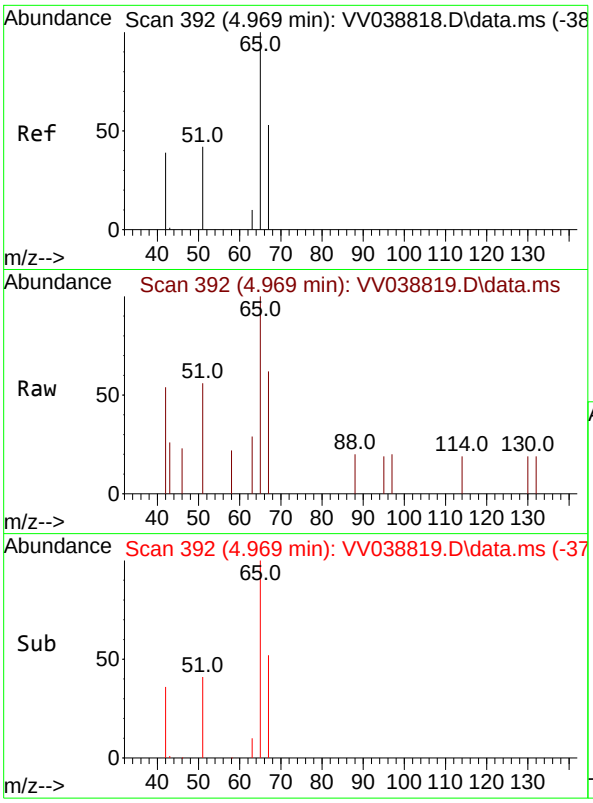


#2
Vinyl Chloride-d3
Concen: 0.477 ug/L
RT: 1.294 min Scan# 71
Delta R.T. 0.007 min
Lab File: VV038819.D
Acq: 23 Jun 2025 09:23

Tgt Ion: 65 Resp: 2995

Ion	Ratio	Lower	Upper
65	100		
67	32.7	24.4	45.4



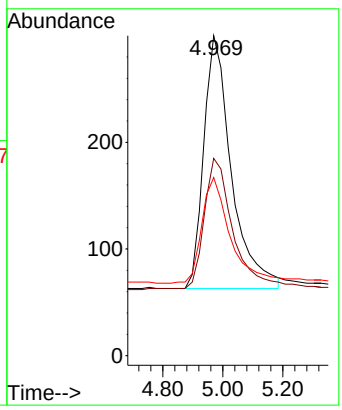


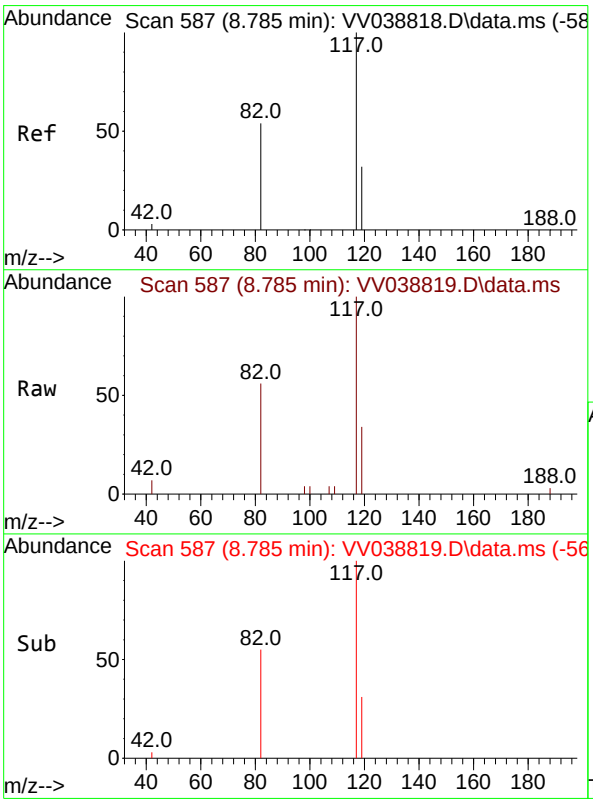
#4
1,2-Dichloroethane-d4
Concen: 0.492 ug/L
RT: 4.969 min Scan# 3
Delta R.T. 0.000 min
Lab File: VV038819.D
Acq: 23 Jun 2025 09:23

Instrument :
MSVOA_V
ClientSampleId :
VBLK229

Tgt Ion: 65 Resp: 1515

Ion	Ratio	Lower	Upper
65	100		
67	52.5	38.9	72.2
51	42.7	25.8	47.8

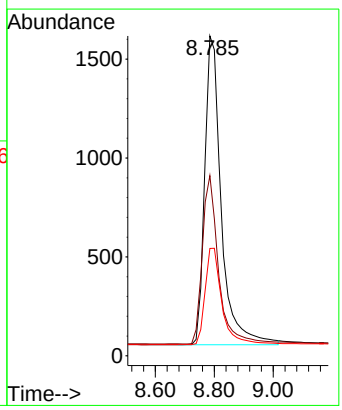


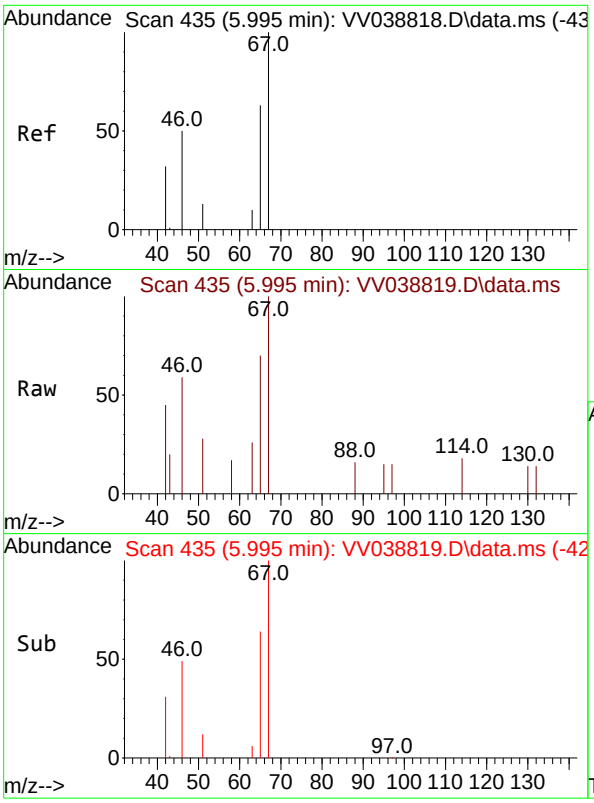


#5
Chlorobenzene-d5
Concen: 0.500 ug/L
RT: 8.785 min Scan# 587
Delta R.T. -0.000 min
Lab File: VV038819.D
Acq: 23 Jun 2025 09:23

Tgt Ion:117 Resp: 6099

Ion	Ratio	Lower	Upper
117	100		
82	53.4	40.6	60.8
119	31.7	25.7	38.5



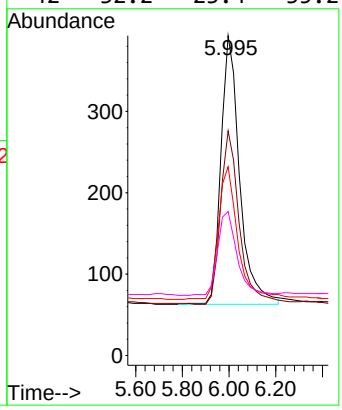


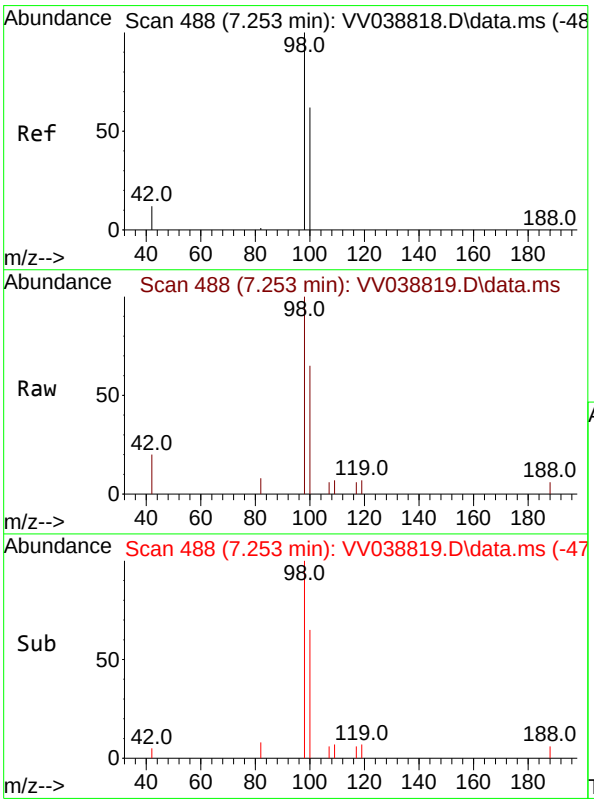
#7
1,2-Dichloropropane-d6
Concen: 0.533 ug/L
RT: 5.995 min Scan# 4
Delta R.T. -0.000 min
Lab File: VV038819.D
Acq: 23 Jun 2025 09:23

Instrument :
MSVOA_V
ClientSampleId :
VBLK229

Tgt Ion: 67 Resp: 1841

Ion	Ratio	Lower	Upper
67	100		
65	64.7	48.6	73.0
46	50.1	37.9	56.9
42	32.2	23.4	35.2

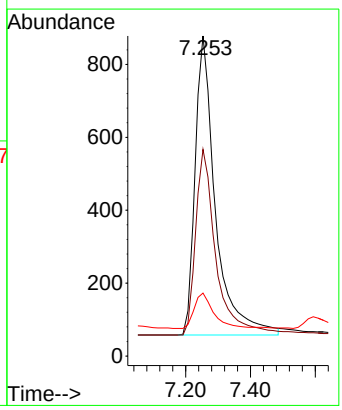


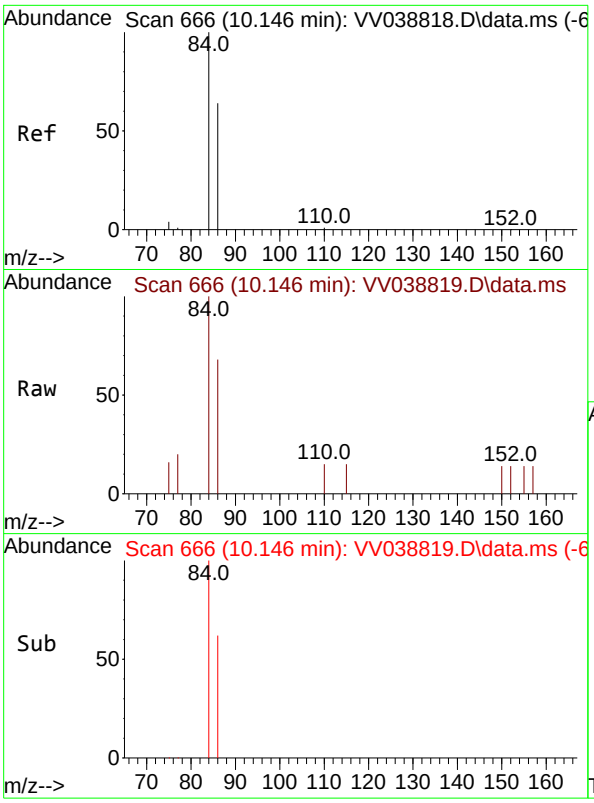


#8
Toluene-d8
Concen: 0.512 ug/L
RT: 7.253 min Scan# 488
Delta R.T. -0.000 min
Lab File: VV038819.D
Acq: 23 Jun 2025 09:23

Tgt Ion: 98 Resp: 3573

Ion	Ratio	Lower	Upper
98	100		
100	61.9	44.9	83.5
42	11.5	6.3	11.7



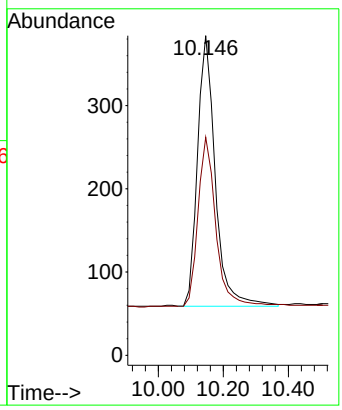


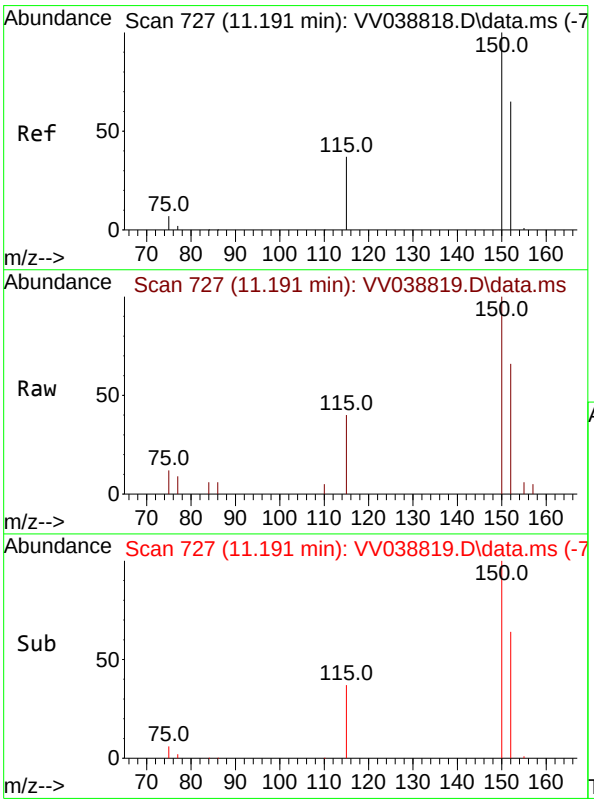
#10
1,1,2,2-Tetrachloroethane-d2
Concen: 0.510 ug/L
RT: 10.146 min Scan# 6
Delta R.T. -0.000 min
Lab File: VV038819.D
Acq: 23 Jun 2025 09:23

Instrument :
MSVOA_V
ClientSampleId :
VBLK229

Tgt Ion: 84 Resp: 1237

Ion	Ratio	Lower	Upper
84	100		
86	62.4	44.7	82.9

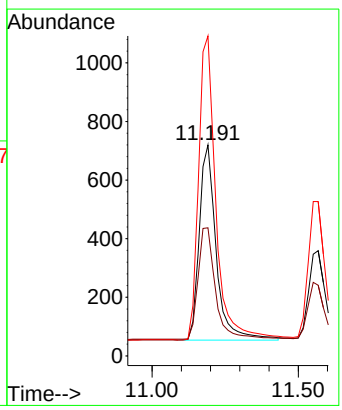




#11
1,4-Dichlorobenzene-d4
Concen: 0.500 ug/L
RT: 11.191 min Scan# 727
Delta R.T. -0.000 min
Lab File: VV038819.D
Acq: 23 Jun 2025 09:23

Tgt Ion:152 Resp: 2691

Ion	Ratio	Lower	Upper
152	100		
115	58.1	0.0	114.4
150	158.2	0.0	315.4



284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	VV061625	Instrument	MSVOA_v

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

Manual Integration Report

Sequence:	VV062325	Instrument	MSVOA_v

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: MSVOA_V

Daily Analysis Runlog For Sequence/QCBatch ID # VV061625

Review By	John Carlone	Review On	6/17/2025 8:36:26 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/17/2025 8:46:56 AM		
SubDirectory	VV061625	HP Acquire Method	EPASIM_V	HP Processing Method	sfamvsim061625w.m

STD. NAME	STD REF.#
Tune/Reschk	VP134339
Initial Calibration Stds	VP134341,VP134343,VP134345,VP135347,VP135349
CCC	VP135359,MDL-VP135357
Internal Standard/PEM	VP133385
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB235	VV038795.D	16 Jun 2025 08:45	SY/MD	Ok
2	VSTD0.0542	VV038796.D	16 Jun 2025 09:28	SY/MD	Ok
3	VSTD0.143	VV038797.D	16 Jun 2025 10:15	SY/MD	Ok
4	VSTD0.544	VV038798.D	16 Jun 2025 10:43	SY/MD	Ok
5	VSTD00145	VV038799.D	16 Jun 2025 11:14	SY/MD	Ok
6	VSTD00246	VV038800.D	16 Jun 2025 11:36	SY/MD	Ok
7	VSTDICV0.5	VV038801.D	16 Jun 2025 12:07	SY/MD	Ok
8	VV0616WBL01	VV038802.D	16 Jun 2025 13:06	SY/MD	Ok
9	Q2117-01	VV038803.D	16 Jun 2025 14:31	SY/MD	Ok
10	VSTDCCC0.5EC	VV038804.D	16 Jun 2025 15:07	SY/MD	Ok

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: MSVOA_V

Daily Analysis Runlog For Sequence/QCBatch ID # VV062325

Review By	Semsettin Yesilyurt	Review On	6/24/2025 8:29:46 AM				
Supervise By	Mahesh Dadoda	Supervise On	6/24/2025 8:30:34 AM				
SubDirectory	VV062325	HP Acquire Method	epamsim_v	HP Processing Method	sfamusim061625w.m		

STD. NAME	STD REF.#
Tune/Reschk	VP134454
Initial Calibration Stds	
CCC	VP134455,VP134456
Internal Standard/PEM	VP133385
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB238	VV038817.D	23 Jun 2025 08:07	SY/MD	Ok
2	VSTDCCC0.5	VV038818.D	23 Jun 2025 08:44	SY/MD	Ok
3	VV0623WBL01	VV038819.D	23 Jun 2025 09:23	SY/MD	Ok
4	Q2377-02	VV038820.D	23 Jun 2025 10:00	SY/MD	Ok
5	VSTDCCC0.5EC	VV038821.D	23 Jun 2025 13:37	SY/MD	Ok

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Instrument ID: MSVOA_V

Daily Analysis Runlog For Sequence/QCBatch ID # VV061625

Review By	John Carlone	Review On	6/17/2025 8:36:26 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/17/2025 8:46:56 AM		
SubDirectory	VV061625	HP Acquire Method	EPASIM_V	HP Processing Method	sfamvsim061625w.m

STD. NAME	STD REF.#
Tune/Reschk	VP134339
Initial Calibration Stds	VP134341,VP134343,VP134345,VP135347,VP135349
CCC	VP135359,MDL-VP135357
Internal Standard/PEM	VP133385
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB235	BFB235	VV038795.D	16 Jun 2025 08:45		SY/MD	Ok
2	VSTD0.0542	VSTD0.05242	VV038796.D	16 Jun 2025 09:28		SY/MD	Ok
3	VSTD0.143	VSTD0.1243	VV038797.D	16 Jun 2025 10:15		SY/MD	Ok
4	VSTD0.544	VSTD0.5244	VV038798.D	16 Jun 2025 10:43		SY/MD	Ok
5	VSTD00145	VSTD001245	VV038799.D	16 Jun 2025 11:14		SY/MD	Ok
6	VSTD00246	VSTD002246	VV038800.D	16 Jun 2025 11:36		SY/MD	Ok
7	VSTDICV0.5	VICV247	VV038801.D	16 Jun 2025 12:07		SY/MD	Ok
8	VV0616WBL01	VBLK226	VV038802.D	16 Jun 2025 13:06		SY/MD	Ok
9	Q2117-01	MDL-WATER-QT2-202	VV038803.D	16 Jun 2025 14:31	trace-sim	SY/MD	Ok
10	VSTDCCC0.5EC	VSTD0.5319	VV038804.D	16 Jun 2025 15:07		SY/MD	Ok

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: MSVOA_V

Daily Analysis Runlog For Sequence/QCBatch ID # VV062325

Review By	Semsettin Yesilyurt	Review On	6/24/2025 8:29:46 AM			
Supervise By	Mahesh Dadoda	Supervise On	6/24/2025 8:30:34 AM			
SubDirectory	VV062325	HP Acquire Method	epamsim_v	HP Processing Method	sfamusim061625w.m	

STD. NAME	STD REF.#
Tune/Reschk	VP134454
Initial Calibration Stds	
CCC	VP134455,VP134456
Internal Standard/PEM	VP133385
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB238	BFB238	VV038817.D	23 Jun 2025 08:07		SY/MD	Ok
2	VSTDCCC0.5	VSTD0.5324	VV038818.D	23 Jun 2025 08:44		SY/MD	Ok
3	VV0623WBL01	VBLK229	VV038819.D	23 Jun 2025 09:23		SY/MD	Ok
4	Q2377-02	PW-B6-L66-061925-SI	VV038820.D	23 Jun 2025 10:00		SY/MD	Ok
5	VSTDCCC0.5EC	VSTD0.5325	VV038821.D	23 Jun 2025 13:37		SY/MD	Ok

M : Manual Integration

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LAB CHRONICLE

OrderID:	Q2377	**OrderDate:**	6/20/2025 11:23:00 AM
Client:	JACOBS Engineering Group, Inc.	**Project:**	Former Schlumberger STC PTC Site D3868221
Contact:	John Ynfante	**Location:**	D51,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2377-01	**PW-B6-L66-061925**	**Water**			**06/19/25**			**06/19/25**
			VOCMS Group3	524.2			06/24/25	
Q2377-02	**PW-B6-L66-061925-SIM**	**Water**			**06/19/25**			**06/19/25**
			VOC-SIM	SFAM_VOCSIM			06/23/25	
Q2377-03	**TB01-061925**	**Water**			**06/19/25**			**06/19/25**
			VOCMS Group3	524.2			06/24/25	

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Fax : 908 789 8922

Hit Summary Sheet
SW-846

SDG No.: Q2377

Client: JACOBS Engineering Group, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID :								
				0.000				
			Total Svoc :			**0.00**		
			Total Concentration:			**0.00**		

SAMPLE DATA

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	06/19/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	06/19/25
Client Sample ID:	PW-B6-L66-061925	SDG No.:	Q2377
Lab Sample ID:	Q2377-01	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	980 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037362.D	1	06/20/25 12:03	06/20/25 22:52	PB168563

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
123-91-1	1,4-Dioxane	0.070	U	0.070	0.20	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.33		30 (20) - 150 (139)	83%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.38		30 (54) - 150 (157)	94%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.31		30 (27) - 130 (154)	77%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.35		30 (30) - 130 (155)	88%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.42		30 (54) - 130 (175)	105%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	1840	7.568			
1146-65-2	Naphthalene-d8	4230	10.351			
15067-26-2	Acenaphthene-d10	2930	14.213			
1517-22-2	Phenanthrene-d10	6080	16.971			
1719-03-5	Chrysene-d12	5240	21.162			
1520-96-3	Perylene-d12	5350	23.348			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

QC SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Surrogate Summary

SW-846

SDG No.: Q2377

Client: JACOBS Engineering Group, Inc.

Analytical Method: 8270-Modified

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB168563BL	PB168563BL	2-Methylnaphthalene-d10	0.4	0.32	81		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.37	93		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.30	75		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.33	81		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.37	93		30 (54)	130 (175)
PB168563BS	PB168563BS	2-Methylnaphthalene-d10	0.4	0.49	123		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.35	86		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.37	92		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.39	97		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.39	98		30 (54)	130 (175)
PB168563BSD	PB168563BSD	2-Methylnaphthalene-d10	0.4	0.39	97		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.35	86		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.39	97		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.40	99		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.38	94		30 (54)	130 (175)
Q2377-01	PW-B6-L66-061925	2-Methylnaphthalene-d10	0.4	0.33	83		30 (20)	150 (139)
		Fluoranthene-d10	0.4	0.38	94		30 (54)	150 (157)
		Nitrobenzene-d5	0.4	0.31	77		30 (27)	130 (154)
		2-Fluorobiphenyl	0.4	0.35	88		30 (30)	130 (155)
		Terphenyl-d14	0.4	0.42	105		30 (54)	130 (175)

( ) = LABORATORY INHOUSE LIMIT

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Fax : 908 789 8922

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2377

Client: JACOBS Engineering Group, Inc.

Analytical Method: 8270-Modified **DataFile:** BN037363.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB168563BS	1,4-Dioxane	0.4	0.32	ug/L	80				20 (65)	160 (116)	

( ) = LABORATORY INHOUSE LIMIT

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2377

Client: JACOBS Engineering Group, Inc.

Analytical Method: 8270-Modified **DataFile:** BN037364.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB168563BSD	1,4-Dioxane	0.4	0.30	ug/L	75	6			20 (65)	160 (116)	20 (27)

( ) = LABORATORY INHOUSE LIMIT

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4B

SEMIVOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

PB168563BL

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q2377 SAS No.: Q2377 SDG NO.: Q2377

Lab File ID: BN037361.D Lab Sample ID: PB168563BL

Instrument ID: BNA_N Date Extracted: 06/20/2025

Matrix: (soil/water) Water Date Analyzed: 06/20/2025

Level: (low/med) LOW Time Analyzed: 22:16

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB168563BS	PB168563BS	BN037363.D	06/20/2025
PW-B6-L66-061925	Q2377-01	BN037362.D	06/20/2025
PB168563BSD	PB168563BSD	BN037364.D	06/21/2025

COMMENTS:

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5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM SAS No.: Q2377 SDG NO.: Q2377

Lab File ID: BN037351.D DFTPP Injection Date: 06/20/2025

Instrument ID: BNA_N DFTPP Injection Time: 15:00

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.0 (0.0) 1
69	Mass 69 relative abundance	100
70	Less than 2.0% of mass 69	0.2 (0.7) 1
197	Less than 2.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.8
365	Greater than 1% of mass 198	4.9
441	Present, but less than mass 443	85.2
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	16.4 (20) 2

1-Value is % mass 69

2-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
SSTDICC0.1	SSTDICC0.1	BN037353.D	06/20/2025	16:51
SSTDICC0.2	SSTDICC0.2	BN037354.D	06/20/2025	17:27
SSTDICCC0.4	SSTDICCC0.4	BN037355.D	06/20/2025	18:03
SSTDICC0.8	SSTDICC0.8	BN037356.D	06/20/2025	18:39
SSTDICC1.6	SSTDICC1.6	BN037357.D	06/20/2025	19:15
SSTDICC3.2	SSTDICC3.2	BN037358.D	06/20/2025	19:51
SSTDICC5.0	SSTDICC5.0	BN037359.D	06/20/2025	20:27
PB168563BL	PB168563BL	BN037361.D	06/20/2025	22:16
PW-B6-L66-061925	Q2377-01	BN037362.D	06/20/2025	22:52
PB168563BS	PB168563BS	BN037363.D	06/20/2025	23:28
PB168563BSD	PB168563BSD	BN037364.D	06/21/2025	00:04

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8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2377 SAS No.: Q2377 SDG NO.: Q2377

EPA Sample No.: SSTDICCC0.4 Date Analyzed: 06/20/2025

Lab File ID: BN037355.D Time Analyzed: 18:03

Instrument ID: BNA_N GC Column: ZB-GR ID: 0.25 (mm)

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	1912	7.568	4157	10.34	2811	14.21
	UPPER LIMIT	3824	8.068	8314	10.84	5622	14.713
	LOWER LIMIT	956	7.068	2078.5	9.84	1405.5	13.713
	EPA SAMPLE NO.						
01	PB168563BL	1968	7.57	4045	10.35	2736	14.22
02	PB168563BS	1960	7.57	4204	10.34	2586	14.21
03	PB168563BSD	1885	7.57	4095	10.34	2623	14.21
04	PW-B6-L66-061925	1844	7.57	4234	10.35	2932	14.21

IS1 (DCB) = 1,4-Dichlorobenzene-d4
IS2 (NPT) = Naphthalene-d8
IS3 (ANT) = Acenaphthene-d10

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 UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH

Lab Code: CHEM Case No.: Q2377 SAS No.: Q2377 SDG NO.: Q2377

EPA Sample No.: SSTDICCC0.4 Date Analyzed: 06/20/2025

Lab File ID: BN037355.D Time Analyzed: 18:03

Instrument ID: BNA_N GC Column: ZB-GR ID: 0.25 (mm)

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	5776	16.971	4813	21.171	4943	23.354
	UPPER LIMIT	11552	17.471	9626	21.671	9886	23.854
	LOWER LIMIT	2888	16.471	2406.5	20.671	2471.5	22.854
	EPA SAMPLE NO.						
01	PB168563BL	4864	16.98	4288	21.17	3457	23.36
02	PB168563BS	4830	16.97	3875	21.17	2749	23.35
03	PB168563BSD	5035	16.97	4193	21.16	4470	23.35
04	PW-B6-L66-061925	6082	16.97	5238	21.16	5349	23.35

IS4 (PHN) = Phenanthrene-d10
IS5 (CRY) = Chrysene-d12
IS6 (PRY) = Perylene-d12

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 UPPER LIMIT = -0.50 minutes of internal standard RT

Column used to flag values outside QC limits with an asterisk.
* Values outside of QC limits.

QC SAMPLE DATA

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	
Client Sample ID:	PB168563BL	SDG No.:	Q2377
Lab Sample ID:	PB168563BL	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037361.D	1	06/20/25 12:03	06/20/25 22:16	PB168563

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
123-91-1	1,4-Dioxane	0.070	U	0.070	0.20	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.32		30 (20) - 150 (139)	81%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.37		30 (54) - 150 (157)	93%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.30		30 (27) - 130 (154)	75%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.33		30 (30) - 130 (155)	81%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.37		30 (54) - 130 (175)	93%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	1970	7.568			
1146-65-2	Naphthalene-d8	4050	10.351			
15067-26-2	Acenaphthene-d10	2740	14.224			
1517-22-2	Phenanthrene-d10	4860	16.984			
1719-03-5	Chrysene-d12	4290	21.171			
1520-96-3	Perylene-d12	3460	23.357			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	
Client Sample ID:	PB168563BS	SDG No.:	Q2377
Lab Sample ID:	PB168563BS	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037363.D	1	06/20/25 12:03	06/20/25 23:28	PB168563

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
123-91-1	1,4-Dioxane	0.32		0.070	0.20	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.49		30 (20) - 150 (139)	123%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.35		30 (54) - 150 (157)	86%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.37		30 (27) - 130 (154)	92%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.39		30 (30) - 130 (155)	97%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.39		30 (54) - 130 (175)	98%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	1960	7.568			
1146-65-2	Naphthalene-d8	4200	10.34			
15067-26-2	Acenaphthene-d10	2590	14.213			
1517-22-2	Phenanthrene-d10	4830	16.971			
1719-03-5	Chrysene-d12	3880	21.171			
1520-96-3	Perylene-d12	2750	23.351			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
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J = Estimated Value
B = Analyte Found in Associated Method Blank
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() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	
Client Sample ID:	PB168563BSD	SDG No.:	Q2377
Lab Sample ID:	PB168563BSD	Matrix:	Water
Analytical Method:	SW8270ESIM	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOC-SIMGroup1
Extraction Type :	Decanted : N	Level :	LOW
Injection Volume :	GPC Factor : 1.0	GPC Cleanup :	N PH :
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
BN037364.D	1	06/20/25 12:03	06/21/25 00:04	PB168563

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
123-91-1	1,4-Dioxane	0.30		0.070	0.20	ug/L
SURROGATES						
7297-45-2	2-Methylnaphthalene-d10	0.39		30 (20) - 150 (139)	97%	SPK: 0.4
93951-69-0	Fluoranthene-d10	0.35		30 (54) - 150 (157)	86%	SPK: 0.4
4165-60-0	Nitrobenzene-d5	0.39		30 (27) - 130 (154)	97%	SPK: 0.4
321-60-8	2-Fluorobiphenyl	0.40		30 (30) - 130 (155)	99%	SPK: 0.4
1718-51-0	Terphenyl-d14	0.38		30 (54) - 130 (175)	94%	SPK: 0.4
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	1890	7.568			
1146-65-2	Naphthalene-d8	4100	10.34			
15067-26-2	Acenaphthene-d10	2620	14.213			
1517-22-2	Phenanthrene-d10	5040	16.971			
1719-03-5	Chrysene-d12	4190	21.162			
1520-96-3	Perylene-d12	4470	23.354			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements
J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

CALIBRATION SUMMARY

Response Factor Report BNA_N

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\
Method File : 8270-SIM-BN062125.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Fri Jun 20 23:41:54 2025
Response Via : Initial Calibration

Calibration Files
0.1 =BN037353.D 0.2 =BN037354.D 0.4 =BN037355.D 0.8 =BN037356.D 1.6 =BN037357.D 3.2 =BN037358.D 5 =BN037359.D

		Compound	0.1	0.2	0.4	0.8	1.6	3.2	5	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------ISTD----------								
2)		1,4-Dioxane		0.506	0.390	0.412	0.417	0.370	0.346	0.407	13.63
3)		n-Nitrosodimet...		0.392	0.394	0.367	0.391	0.354	0.338	0.373	6.37
4)	S	2-Fluorophenol	0.854	0.818	0.751	0.781	0.834	0.786	0.771	0.799	4.65
5)	S	Phenol-d6	0.781	0.766	0.766	0.785	0.891	0.878	0.896	0.823	7.45
6)		bis(2-Chloroet...	0.719	0.546	0.707	0.738	0.826	0.786	0.791	0.730	12.59
7)	I	Naphthalene-d8	----------ISTD----------								
8)	S	Nitrobenzene-d5	0.254	0.292	0.319	0.318	0.363	0.354	0.361	0.323	12.43
9)		Naphthalene	1.056	1.056	1.046	1.014	1.105	1.052	1.063	1.056	2.54
10)		Hexachlorobuta...	0.452	0.434	0.441	0.407	0.424	0.384	0.376	0.417	6.95
11)	SURR	2-Methylnaphth...	0.619	0.638	0.666	0.610	0.666	0.664	0.675	0.648	3.96
12)		2-Methylnaphth...	0.703	0.692	0.711	0.704	0.777	0.778	0.787	0.736	5.73
13)	I	Acenaphthene-d10	----------ISTD----------								
14)	S	2,4,6-Tribromo...	0.219	0.226	0.230	0.231	0.253	0.238	0.246	0.235	4.96
15)	S	2-Fluorobiphenyl	1.705	1.675	1.777	1.714	1.897	1.752	1.778	1.757	4.15
16)		Acenaphthylene	1.646	1.636	1.597	1.595	1.797	1.717	1.786	1.682	5.06
17)		Acenaphthene	1.108	1.070	1.061	1.051	1.174	1.123	1.160	1.107	4.40
18)		Fluorene	1.499	1.470	1.506	1.490	1.660	1.605	1.660	1.556	5.34
19)	I	Phenanthrene-d10	----------ISTD----------								
20)		4,6-Dinitro-2-...		0.070	0.079	0.097	0.110	0.107	0.114	0.096	18.63
21)		4-Bromophenyl-...	0.264	0.267	0.279	0.284	0.305	0.295	0.299	0.285	5.55
22)		Hexachlorobenzene	0.322	0.319	0.314	0.304	0.324	0.296	0.292	0.310	4.11
23)		Atrazine	0.221	0.215	0.218	0.220	0.239	0.239	0.238	0.227	4.74
24)		Pentachlorophenol		0.131	0.137	0.157	0.169	0.161	0.170	0.154	10.69
25)		Phenanthrene	1.108	1.075	1.104	1.139	1.242	1.221	1.222	1.158	5.88
26)		Anthracene	0.993	0.984	0.990	1.054	1.150	1.137	1.171	1.068	7.75
27)	SURR	Fluoranthene-d10	1.097	1.070	1.161	1.166	1.235	1.151	1.158	1.148	4.62
28)		Fluoranthene	1.412	1.343	1.367	1.492	1.605	1.512	1.518	1.464	6.39
29)	I	Chrysene-d12	----------ISTD----------								
30)		Pyrene	1.726	1.690	1.660	1.444	1.572	1.642	1.643	1.625	5.73
31)	S	Terphenyl-d14	0.949	0.911	0.925	0.829	0.909	0.935	0.921	0.912	4.25
32)		Benzo(a)anthra...	1.309	1.168	1.216	1.278	1.431	1.372	1.429	1.315	7.76
33)		Chrysene	1.752	1.706	1.611	1.481	1.586	1.528	1.495	1.594	6.52
34)		Bis(2-ethylhex...		0.606	0.541	0.487	0.520	0.531	0.554	0.540	7.34
35)	I	Perylene-d12	----------ISTD----------								

Method Path : Z:\svoasrv\HPCHEM1\BNA_N\Methods\
Method File : 8270-SIM-BN062125.M

36)		Indeno(1,2,3-c...	1.741	1.715	1.695	1.761	1.974	1.819	1.856	1.794	5.42
37)		Benzo(b)fluora...	1.428	1.380	1.444	1.392	1.541	1.532	1.587	1.472	5.50
38)		Benzo(k)fluora...	1.576	1.593	1.569	1.466	1.671	1.617	1.686	1.597	4.59
39)	C	Benzo(a)pyrene	1.320	1.249	1.274	1.247	1.399	1.348	1.395	1.319	4.90
40)		Dibenzo(a,h)an...	1.179	1.185	1.236	1.355	1.561	1.446	1.478	1.348	11.32
41)		Benzo(g,h,i)pe...	1.620	1.554	1.589	1.560	1.720	1.577	1.598	1.603	3.53

(#) = Out of Range

SAMPLE RAW DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062125\
Data File : BN037362.D
Acq On : 20 Jun 2025 22:52
Operator : RC/JU
Sample : Q2377-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PW-B6-L66-061925

Quant Time: Jun 20 23:51:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN062125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 23:41:54 2025
Response via : Initial Calibration

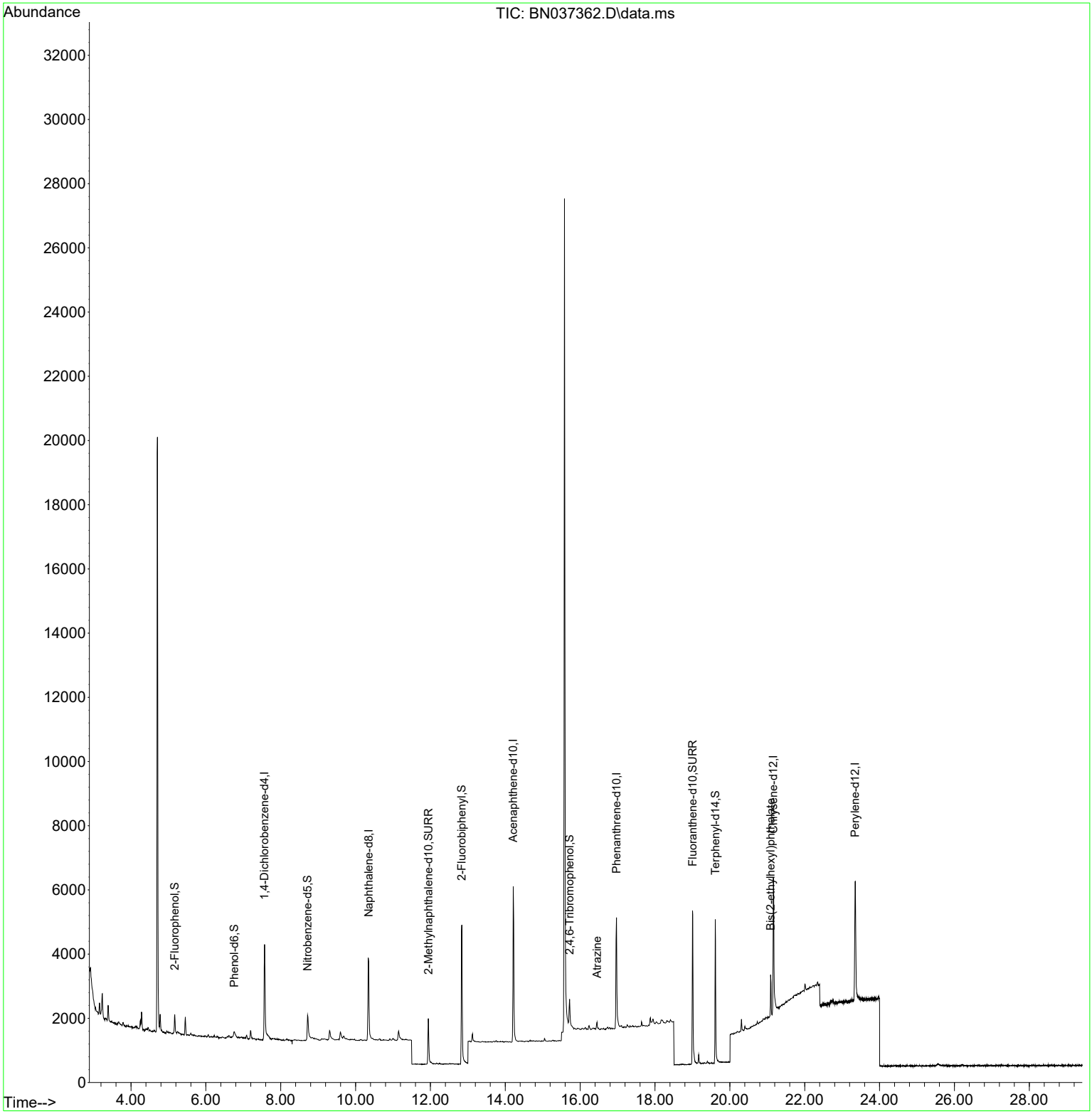
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.568	152	1844	0.400	ng	0.00
7) Naphthalene-d8	10.351	136	4234	0.400	ng	# 0.01
13) Acenaphthene-d10	14.213	164	2932	0.400	ng	0.00
19) Phenanthrene-d10	16.971	188	6082	0.400	ng	# 0.00
29) Chrysene-d12	21.162	240	5238	0.400	ng	0.00
35) Perylene-d12	23.348	264	5349	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.170	112	526	0.143	ng	0.00
5) Phenol-d6	6.759	99	262	0.069	ng	0.00
8) Nitrobenzene-d5	8.717	82	1049	0.307	ng	0.00
11) 2-Methylnaphthalene-d10	11.945	152	2285	0.333	ng	0.00
14) 2,4,6-Tribromophenol	15.718	330	628	0.365	ng	0.00
15) 2-Fluorobiphenyl	12.838	172	4543	0.353	ng	0.00
27) Fluoranthene-d10	19.003	212	6541	0.375	ng	0.00
31) Terphenyl-d14	19.612	244	5026	0.421	ng	0.00
Target Compounds						Qvalue
23) Atrazine	16.450	200	219	0.063	ng	# 91
34) Bis(2-ethylhexyl)phtha...	21.090	149	1173	0.166	ng	99

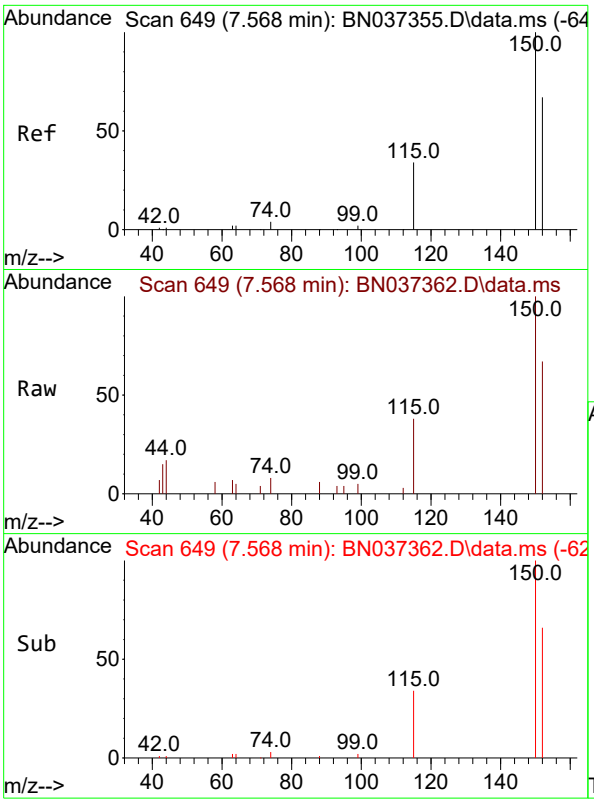
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062125\
Data File : BN037362.D
Acq On : 20 Jun 2025 22:52
Operator : RC/JU
Sample : Q2377-01
Misc :
ALS Vial : 13 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PW-B6-L66-061925

Quant Time: Jun 20 23:51:50 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN062125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 23:41:54 2025
Response via : Initial Calibration



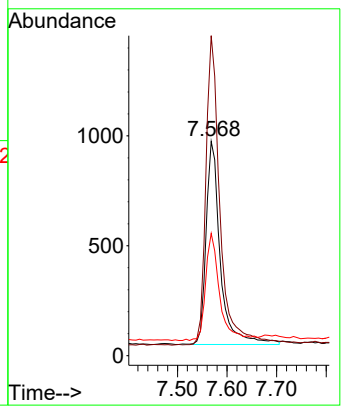


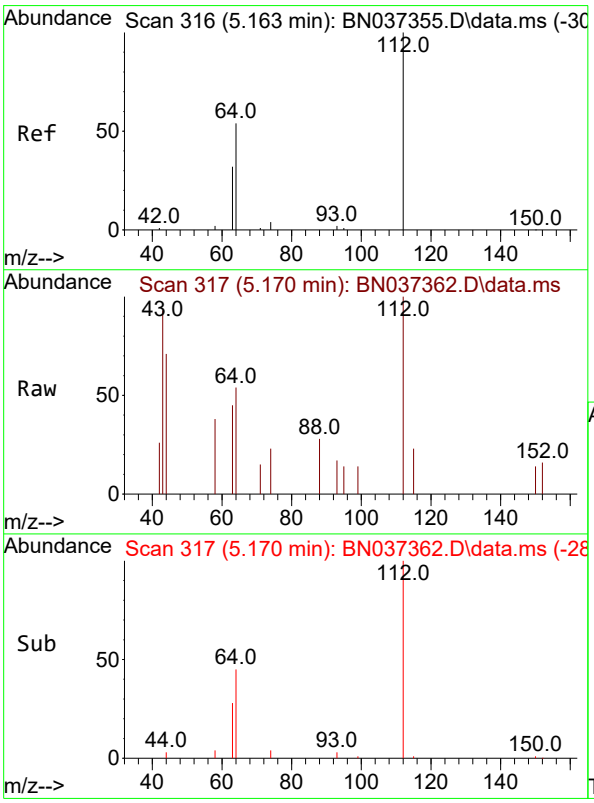
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.568 min Scan# 64
Delta R.T. -0.000 min
Lab File: BN037362.D
Acq: 20 Jun 2025 22:52

Instrument :
BNA_N
ClientSampleId :
PW-B6-L66-061925

Tgt Ion:152 Resp: 1844

Ion	Ratio	Lower	Upper
152	100		
150	149.3	112.7	169.1
115	57.0	45.9	68.9

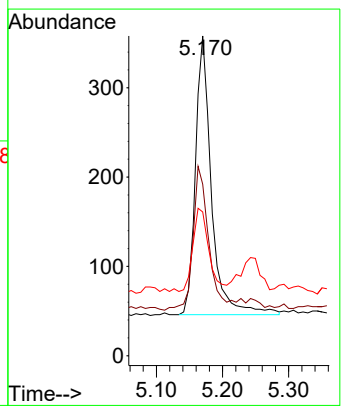


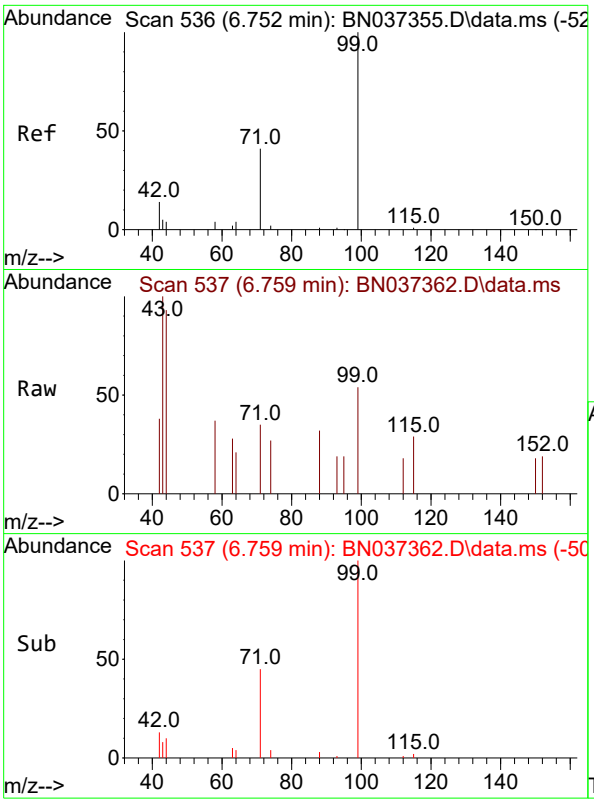


#4
2-Fluorophenol
Concen: 0.143 ng
RT: 5.170 min Scan# 317
Delta R.T. 0.007 min
Lab File: BN037362.D
Acq: 20 Jun 2025 22:52

Tgt Ion:112 Resp: 526

Ion	Ratio	Lower	Upper
112	100		
64	51.5	38.7	58.1
63	31.0	26.4	39.6



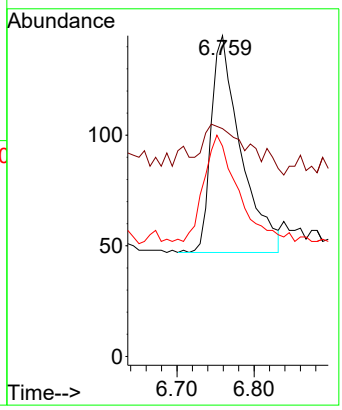


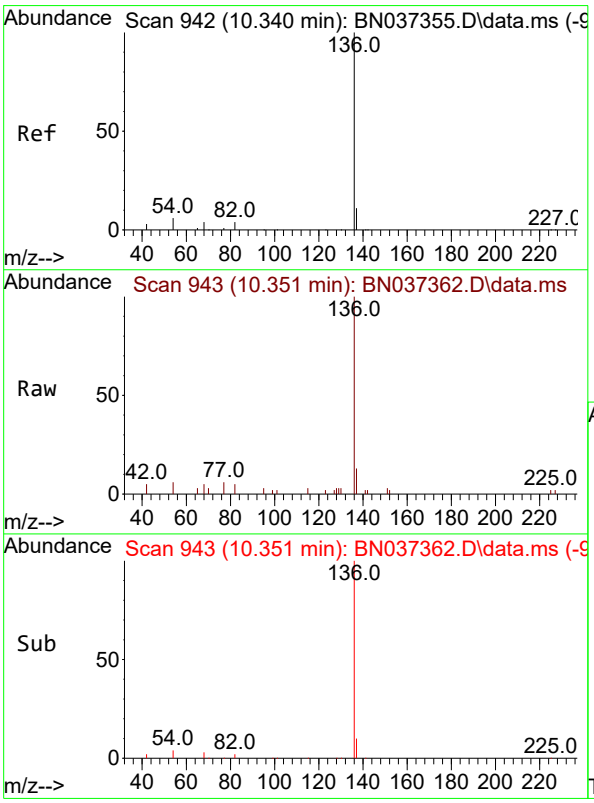
#5
Phenol-d6
Concen: 0.069 ng
RT: 6.759 min Scan# 5
Delta R.T. 0.007 min
Lab File: BN037362.D
Acq: 20 Jun 2025 22:52

Instrument :
BNA_N
ClientSampleId :
PW-B6-L66-061925

Tgt Ion: 99 Resp: 262

Ion	Ratio	Lower	Upper
99	100		
42	35.1	19.8	29.8#
71	56.5	42.6	64.0

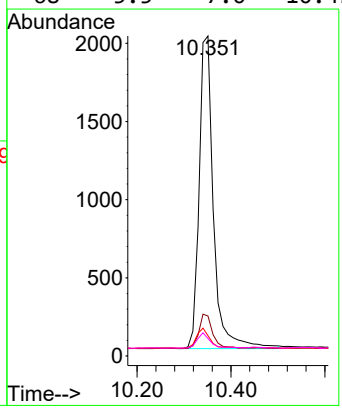


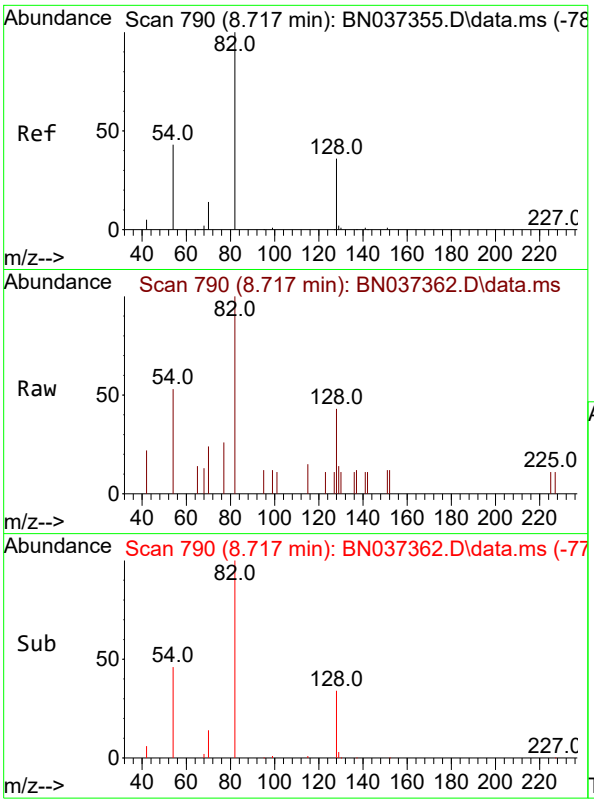


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.351 min Scan# 943
Delta R.T. 0.011 min
Lab File: BN037362.D
Acq: 20 Jun 2025 22:52

Tgt Ion:136 Resp: 4234

Ion	Ratio	Lower	Upper
136	100		
137	12.5	12.2	18.2
54	6.4	8.8	13.2#
68	5.5	7.0	10.4#



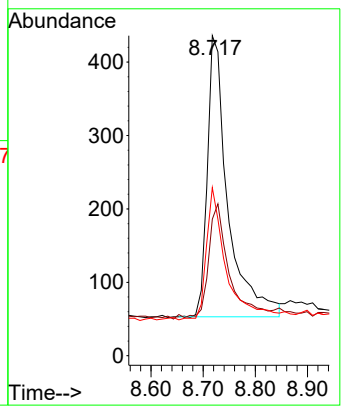


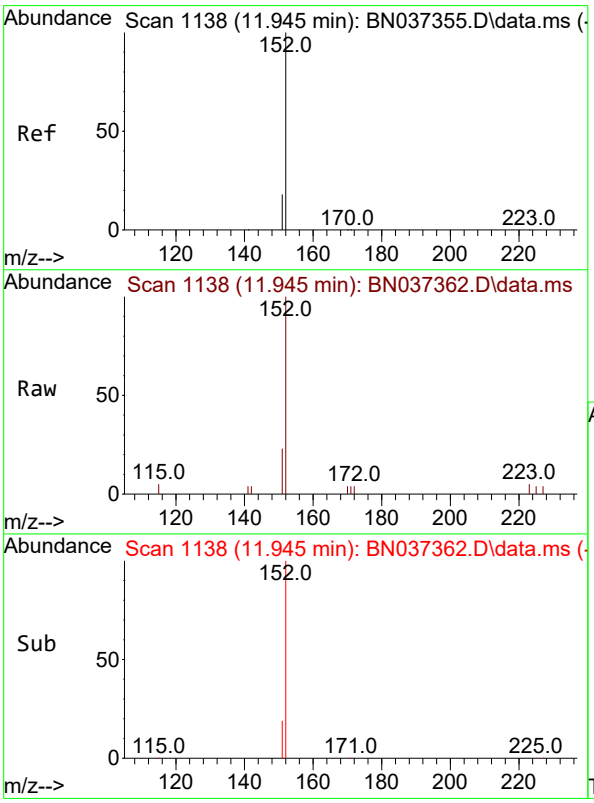
#8
Nitrobenzene-d5
Concen: 0.307 ng
RT: 8.717 min Scan# 7
Delta R.T. 0.000 min
Lab File: BN037362.D
Acq: 20 Jun 2025 22:52

Instrument :
BNA_N
ClientSampleId :
PW-B6-L66-061925

Tgt Ion: 82 Resp: 1049

Ion	Ratio	Lower	Upper
82	100		
128	42.7	42.5	63.7
54	52.5	43.2	64.8

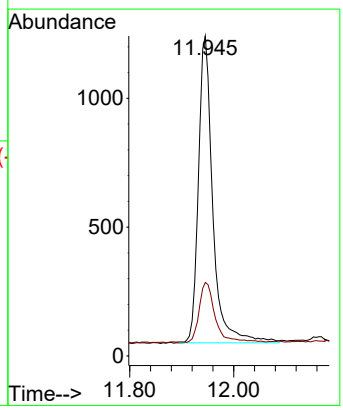


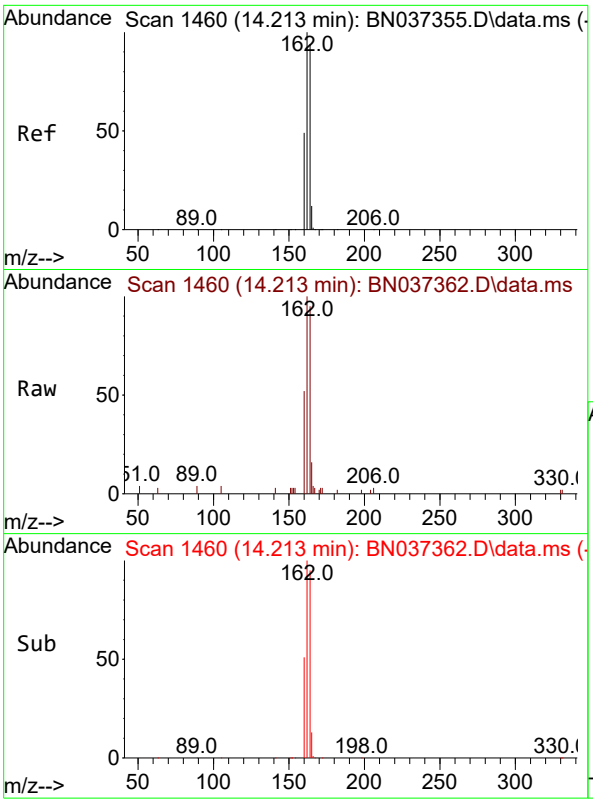


#11
2-Methylnaphthalene-d10
Concen: 0.333 ng
RT: 11.945 min Scan# 1138
Delta R.T. 0.000 min
Lab File: BN037362.D
Acq: 20 Jun 2025 22:52

Tgt Ion:152 Resp: 2285

Ion	Ratio	Lower	Upper
152	100		
151	21.6	17.4	26.0



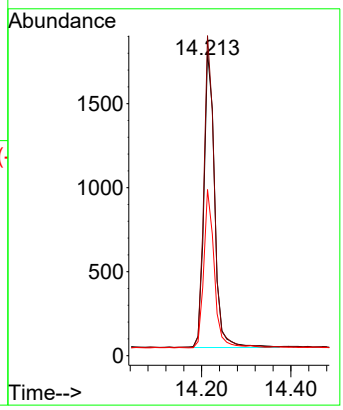


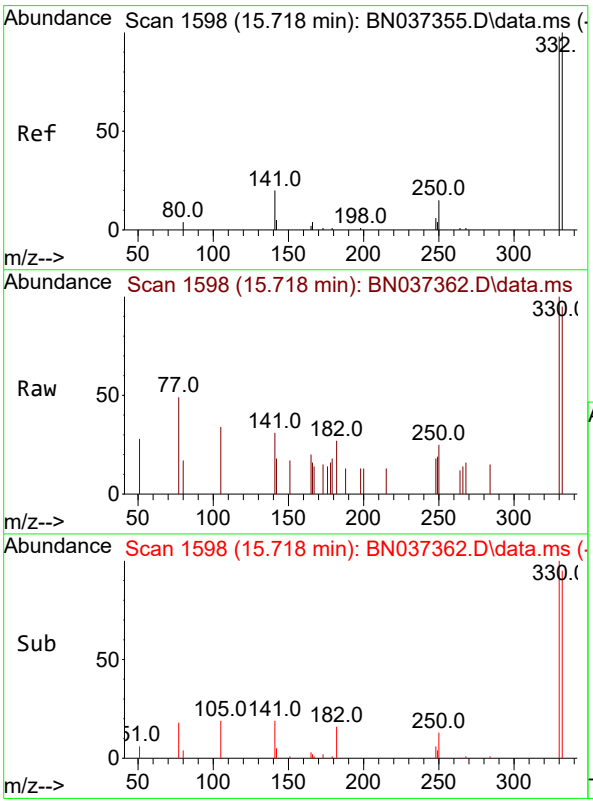
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.213 min Scan# 14
Delta R.T. 0.000 min
Lab File: BN037362.D
Acq: 20 Jun 2025 22:52

Instrument :
BNA_N
ClientSampleId :
PW-B6-L66-061925

Tgt Ion:164 Resp: 2932

Ion	Ratio	Lower	Upper
164	100		
162	105.2	81.5	122.3
160	54.6	43.0	64.4

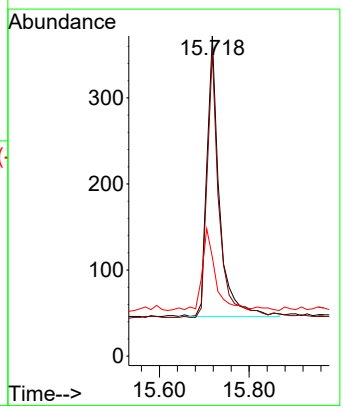


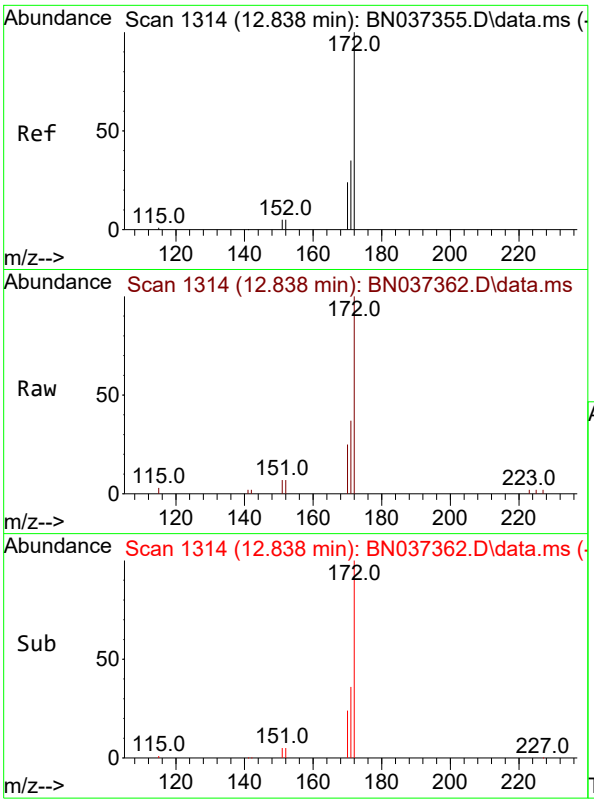


#14
2,4,6-Tribromophenol
Concen: 0.365 ng
RT: 15.718 min Scan# 1598
Delta R.T. 0.000 min
Lab File: BN037362.D
Acq: 20 Jun 2025 22:52

Tgt Ion:330 Resp: 628

Ion	Ratio	Lower	Upper
330	100		
332	91.2	78.4	117.6
141	31.4	24.4	36.6



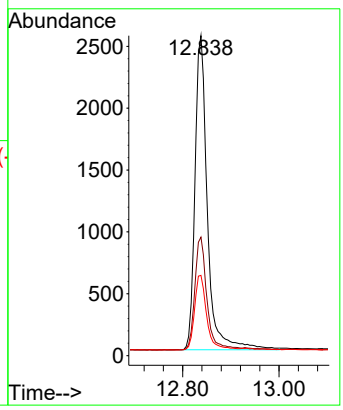


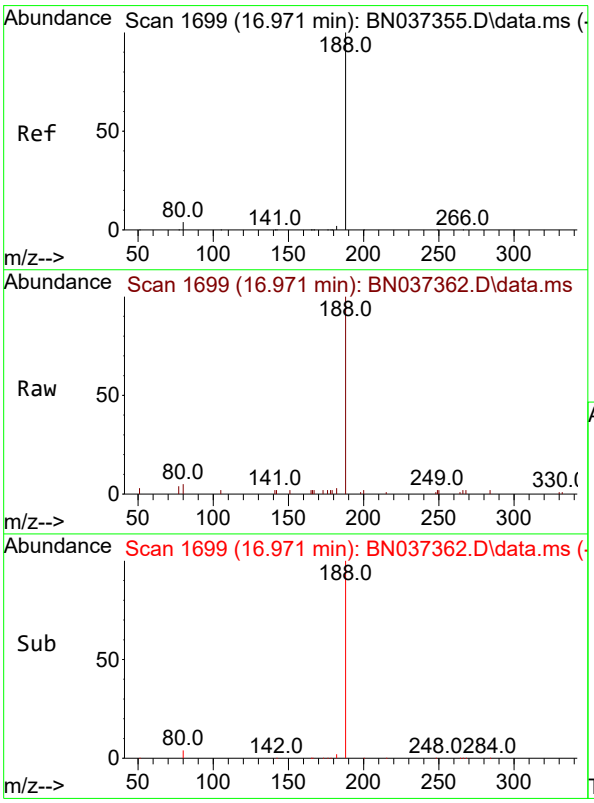
#15
2-Fluorobiphenyl
Concen: 0.353 ng
RT: 12.838 min Scan# 1
Delta R.T. 0.000 min
Lab File: BN037362.D
Acq: 20 Jun 2025 22:52

Instrument :
BNA_N
ClientSampleId :
PW-B6-L66-061925

Tgt Ion:172 Resp: 4543

Ion	Ratio	Lower	Upper
172	100		
171	37.0	30.8	46.2
170	25.1	21.9	32.9

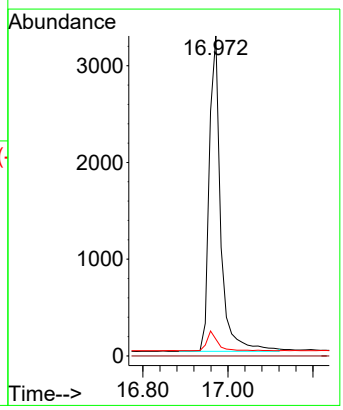


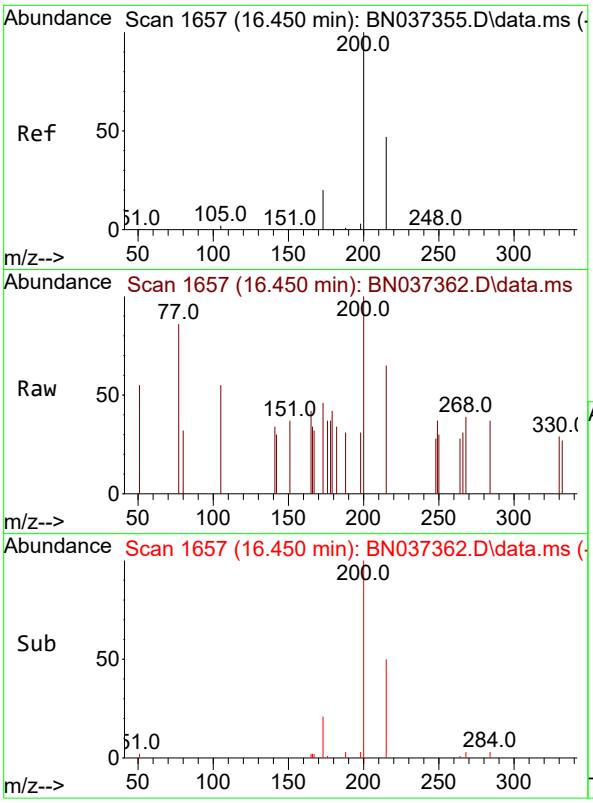


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.971 min Scan# 1699
Delta R.T. 0.000 min
Lab File: BN037362.D
Acq: 20 Jun 2025 22:52

Tgt Ion:188 Resp: 6082

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	5.3	6.2	9.2#



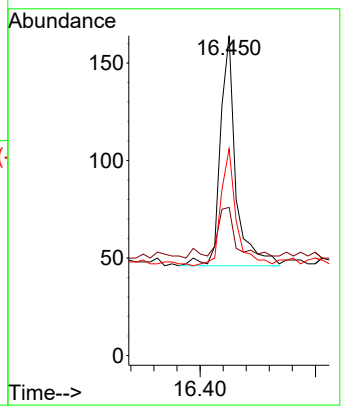


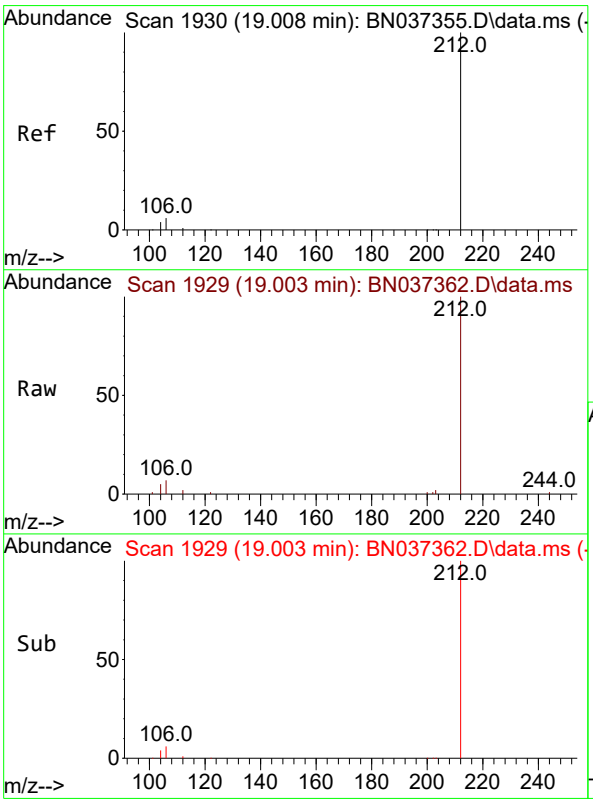
#23
Atrazine
Concen: 0.063 ng
RT: 16.450 min Scan# 1(
Delta R.T. 0.000 min
Lab File: BN037362.D
Acq: 20 Jun 2025 22:52

Instrument :
BNA_N
ClientSampleId :
PW-B6-L66-061925

Tgt Ion:200 Resp: 219

Ion	Ratio	Lower	Upper
200	100		
173	46.3	29.2	43.8#
215	64.6	48.8	73.2

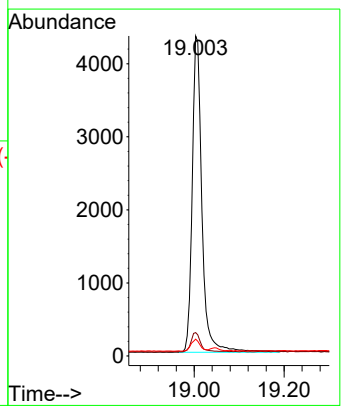


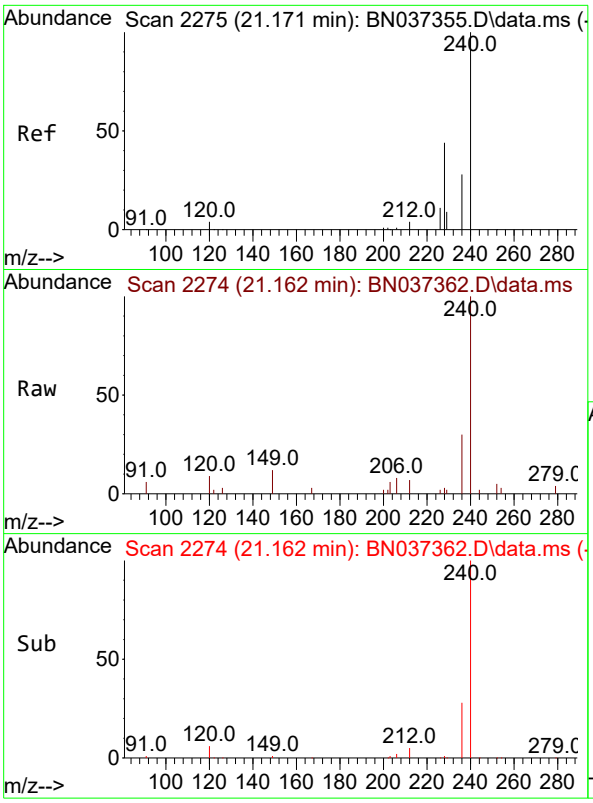


#27
Fluoranthene-d10
Concen: 0.375 ng
RT: 19.003 min Scan# 1929
Delta R.T. -0.005 min
Lab File: BN037362.D
Acq: 20 Jun 2025 22:52

Tgt Ion:212 Resp: 6541

Ion	Ratio	Lower	Upper
212	100		
106	6.0	3.0	4.4#
104	3.5	2.0	3.0#



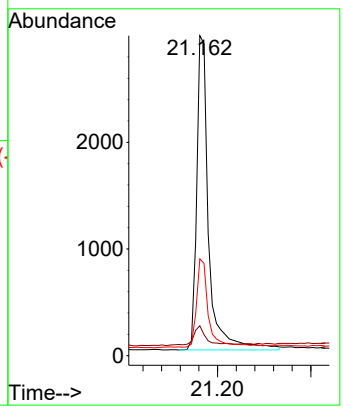


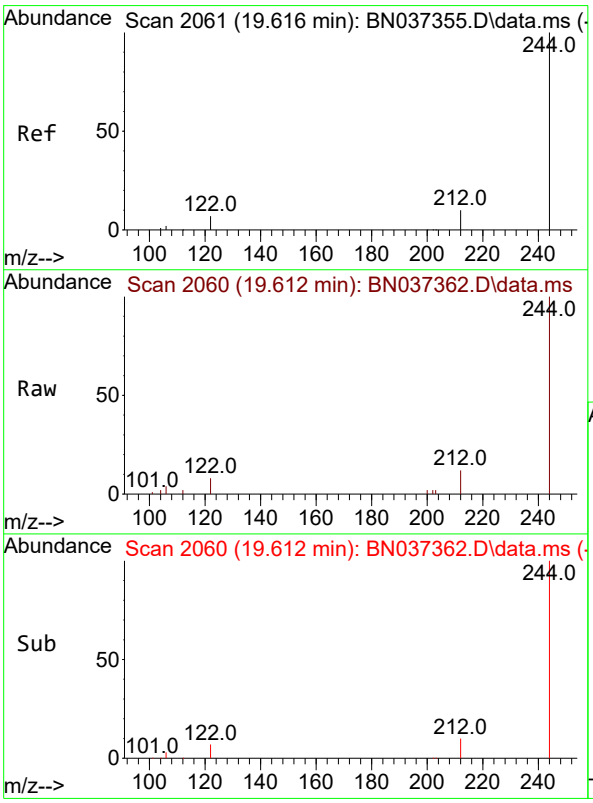
#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.162 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037362.D
Acq: 20 Jun 2025 22:52

Instrument :
BNA_N
ClientSampleId :
PW-B6-L66-061925

Tgt Ion:240 Resp: 5238

Ion	Ratio	Lower	Upper
240	100		
120	9.3	7.5	11.3
236	30.3	24.9	37.3

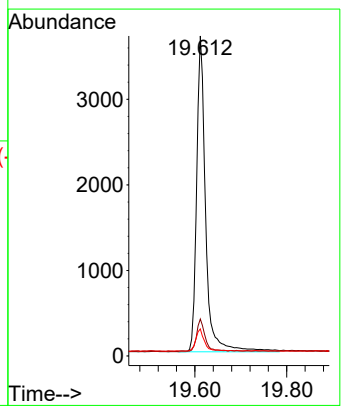


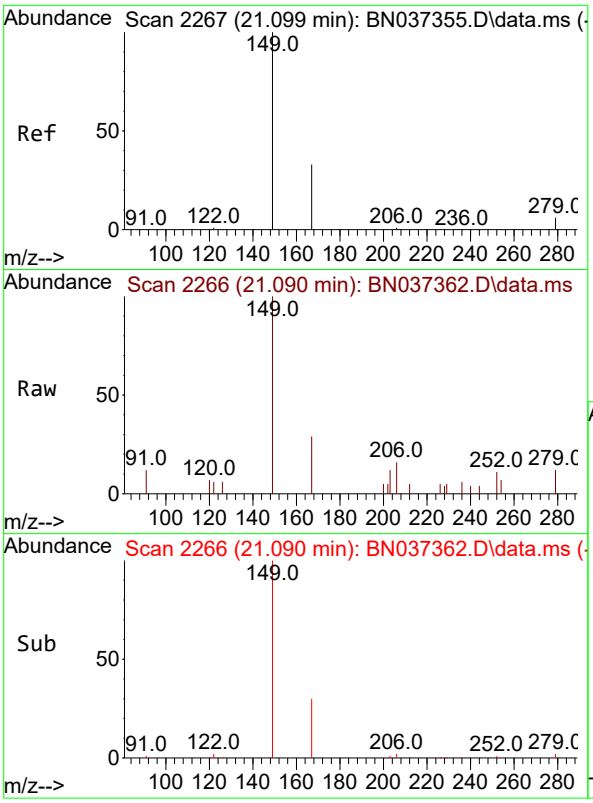


#31
Terphenyl-d14
Concen: 0.421 ng
RT: 19.612 min Scan# 2060
Delta R.T. -0.005 min
Lab File: BN037362.D
Acq: 20 Jun 2025 22:52

Tgt Ion:244 Resp: 5026

Ion	Ratio	Lower	Upper
244	100		
212	11.6	11.1	16.7
122	8.4	7.2	10.8



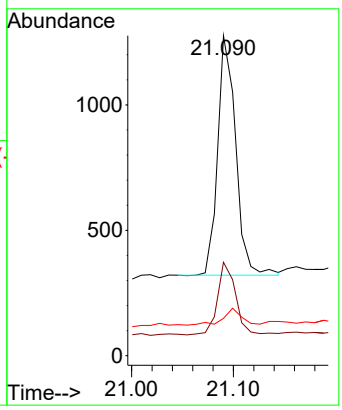


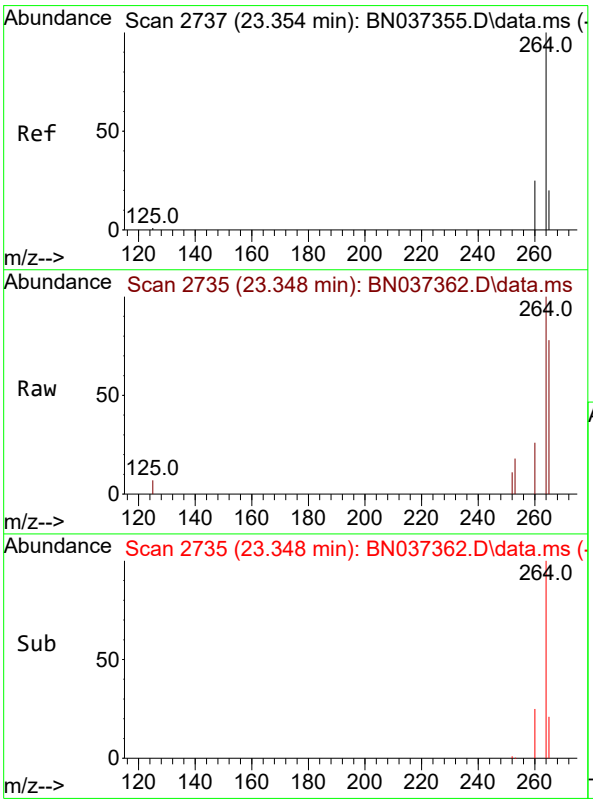
#34
Bis(2-ethylhexyl)phthalate
Concen: 0.166 ng
RT: 21.090 min Scan# 2
Delta R.T. -0.009 min
Lab File: BN037362.D
Acq: 20 Jun 2025 22:52

Instrument :
BNA_N
ClientSampleId :
PW-B6-L66-061925

Tgt Ion:149 Resp: 1173

Ion	Ratio	Lower	Upper
149	100		
167	30.9	24.6	37.0
279	7.2	6.5	9.7

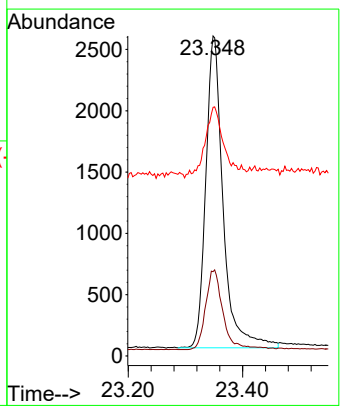




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.348 min Scan# 2735
Delta R.T. -0.006 min
Lab File: BN037362.D
Acq: 20 Jun 2025 22:52

Tgt Ion:264 Resp: 5349

Ion	Ratio	Lower	Upper
264	100		
260	26.4	21.4	32.2
265	77.7	71.4	107.0



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062125\
Data File : BN037361.D
Acq On : 20 Jun 2025 22:16
Operator : RC/JU
Sample : PB168563BL
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB168563BL

Quant Time: Jun 20 23:51:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN062125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 23:41:54 2025
Response via : Initial Calibration

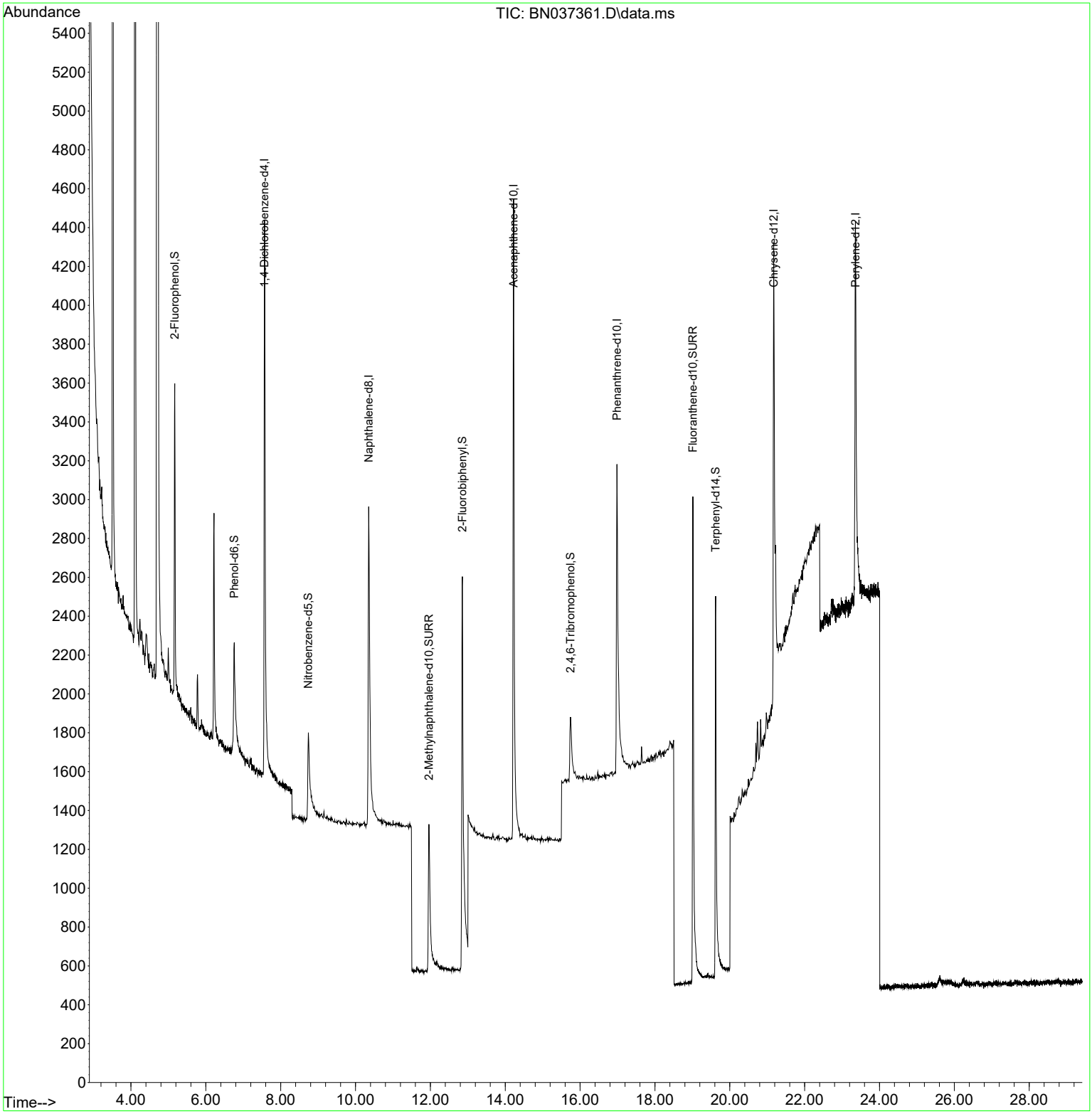
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.568	152	1968	0.400	ng	0.00
7) Naphthalene-d8	10.351	136	4045	0.400	ng	0.01
13) Acenaphthene-d10	14.224	164	2736	0.400	ng	0.01
19) Phenanthrene-d10	16.984	188	4864	0.400	ng	0.01
29) Chrysene-d12	21.171	240	4288	0.400	ng	# 0.00
35) Perylene-d12	23.357	264	3457	0.400	ng	# 0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.170	112	1419	0.361	ng	0.00
5) Phenol-d6	6.759	99	1185	0.293	ng	0.00
8) Nitrobenzene-d5	8.739	82	978	0.299	ng	0.02
11) 2-Methylnaphthalene-d10	11.960	152	2116	0.323	ng	0.02
14) 2,4,6-Tribromophenol	15.742	330	469	0.292	ng	0.02
15) 2-Fluorobiphenyl	12.853	172	3920	0.326	ng	0.02
27) Fluoranthene-d10	19.012	212	5207	0.373	ng	0.00
31) Terphenyl-d14	19.621	244	3648	0.373	ng	0.00
Target Compounds						Qvalue

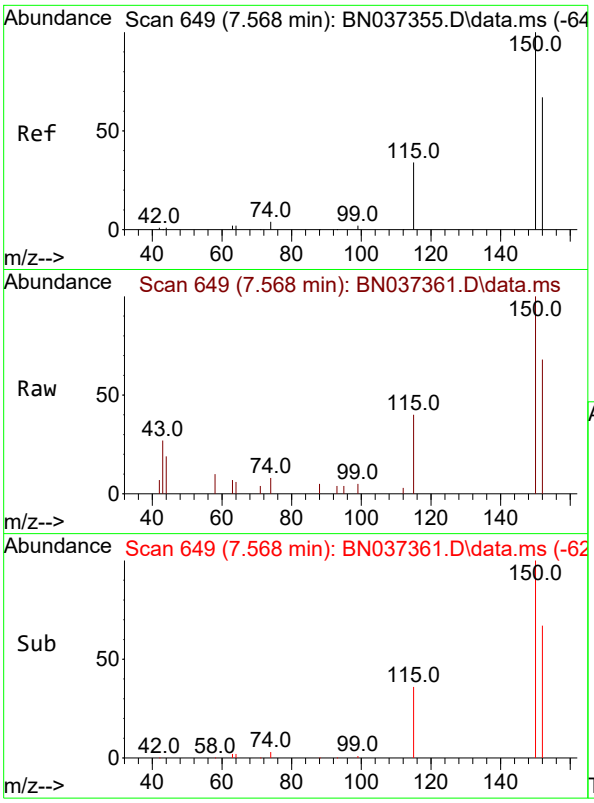
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062125\
Data File : BN037361.D
Acq On : 20 Jun 2025 22:16
Operator : RC/JU
Sample : PB168563BL
Misc :
ALS Vial : 12 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB168563BL

Quant Time: Jun 20 23:51:33 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN062125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 23:41:54 2025
Response via : Initial Calibration



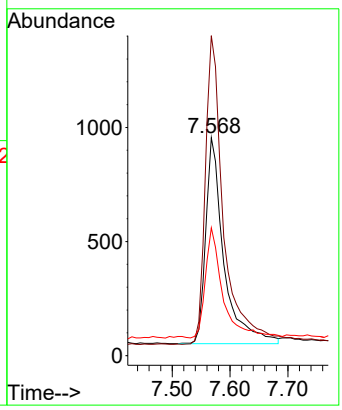


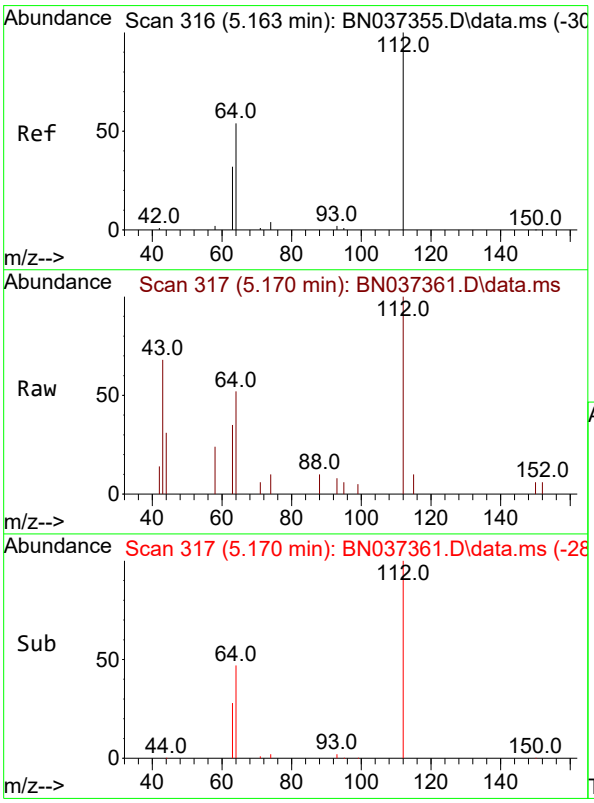
#1
1,4-Dichlorobenzene-d4
Concen: 0.400 ng
RT: 7.568 min Scan# 64
Delta R.T. -0.000 min
Lab File: BN037361.D
Acq: 20 Jun 2025 22:16

Instrument :
BNA_N
ClientSampleId :
PB168563BL

Tgt Ion:152 Resp: 1968

Ion	Ratio	Lower	Upper
152	100		
150	146.8	112.7	169.1
115	58.6	45.9	68.9

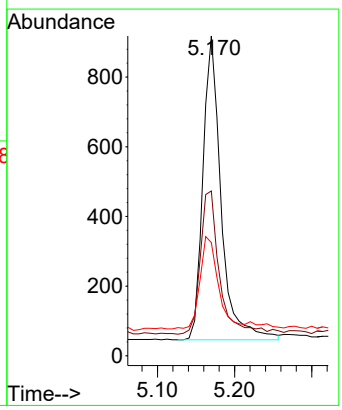


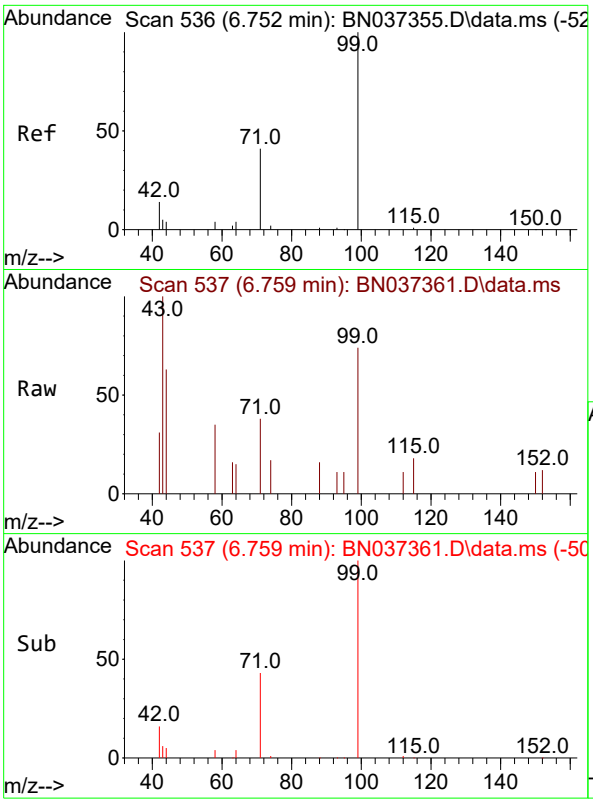


#4
2-Fluorophenol
Concen: 0.361 ng
RT: 5.170 min Scan# 317
Delta R.T. 0.007 min
Lab File: BN037361.D
Acq: 20 Jun 2025 22:16

Tgt Ion:112 Resp: 1419

Ion	Ratio	Lower	Upper
112	100		
64	50.4	38.7	58.1
63	30.7	26.4	39.6



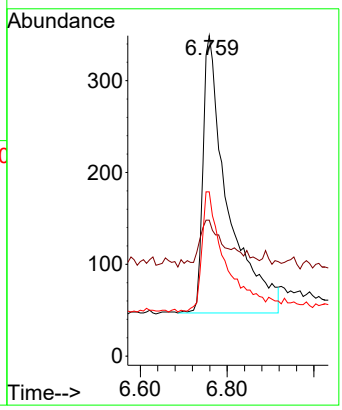


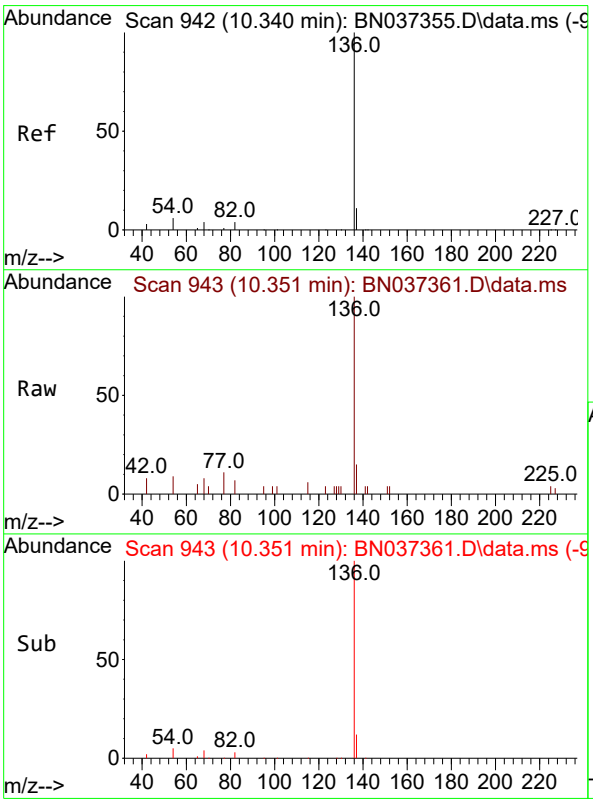
#5
Phenol-d6
Concen: 0.293 ng
RT: 6.759 min Scan# 5
Delta R.T. 0.007 min
Lab File: BN037361.D
Acq: 20 Jun 2025 22:16

Instrument :
BNA_N
ClientSampleId :
PB168563BL

Tgt Ion: 99 Resp: 1185

Ion	Ratio	Lower	Upper
99	100		
42	19.7	19.8	29.8#
71	40.8	42.6	64.0#

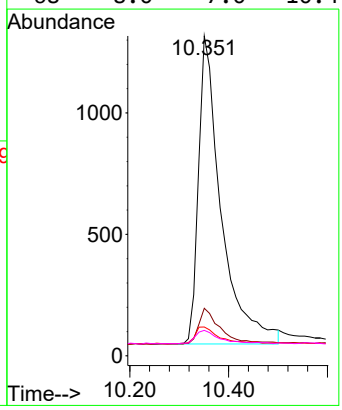


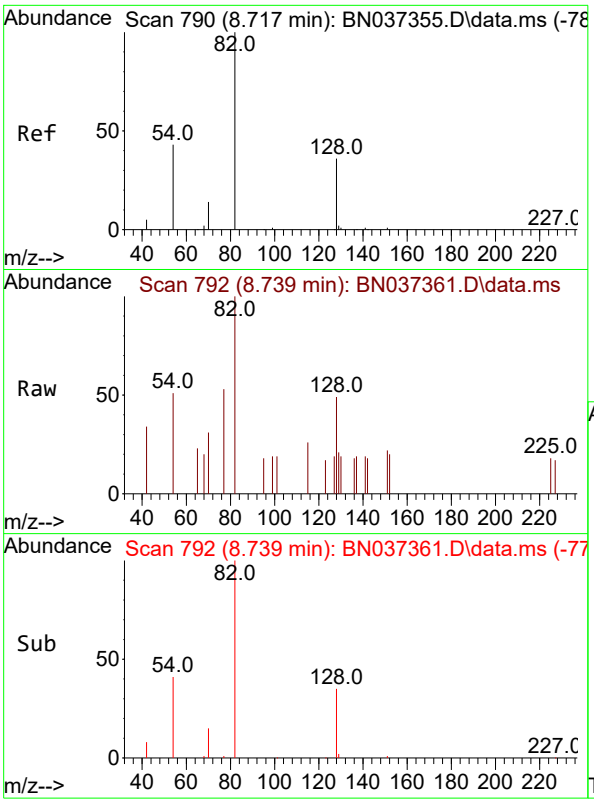


#7
Naphthalene-d8
Concen: 0.400 ng
RT: 10.351 min Scan# 943
Delta R.T. 0.010 min
Lab File: BN037361.D
Acq: 20 Jun 2025 22:16

Tgt Ion:136 Resp: 4045

Ion	Ratio	Lower	Upper
136	100		
137	14.9	12.2	18.2
54	9.0	8.8	13.2
68	8.0	7.0	10.4



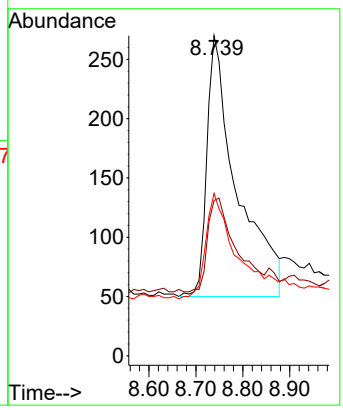


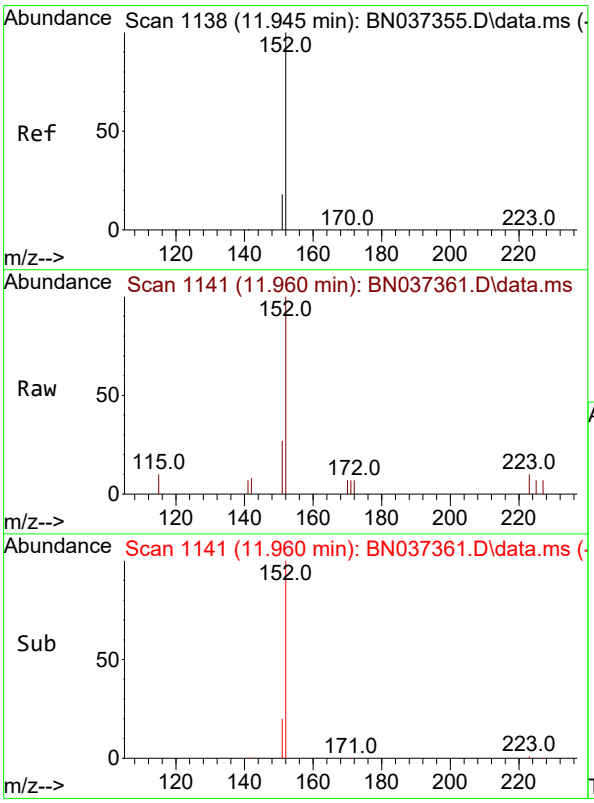
#8
Nitrobenzene-d5
Concen: 0.299 ng
RT: 8.739 min Scan# 7
Delta R.T. 0.021 min
Lab File: BN037361.D
Acq: 20 Jun 2025 22:16

Instrument :
BNA_N
ClientSampleId :
PB168563BL

Tgt Ion: 82 Resp: 978

Ion	Ratio	Lower	Upper
82	100		
128	48.5	42.5	63.7
54	50.7	43.2	64.8

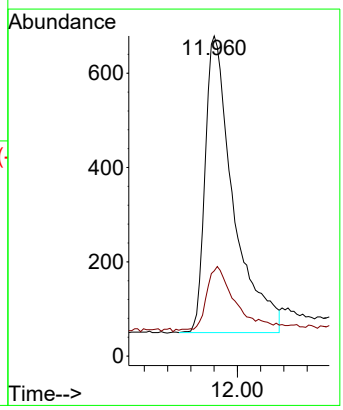


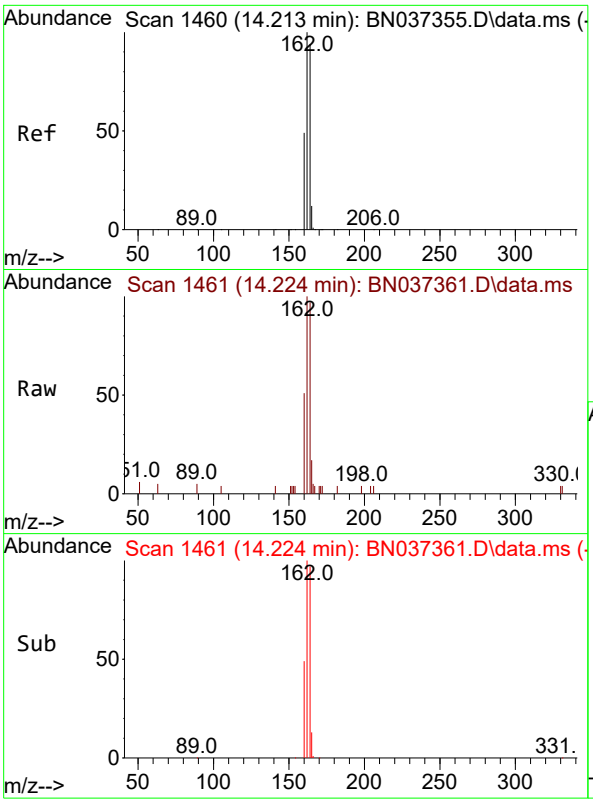


#11
2-Methylnaphthalene-d10
Concen: 0.323 ng
RT: 11.960 min Scan# 1141
Delta R.T. 0.015 min
Lab File: BN037361.D
Acq: 20 Jun 2025 22:16

Tgt Ion:152 Resp: 2116

Ion	Ratio	Lower	Upper
152	100		
151	23.0	17.4	26.0



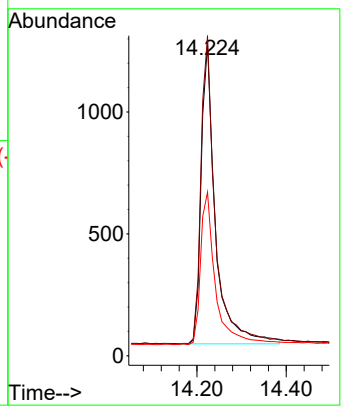


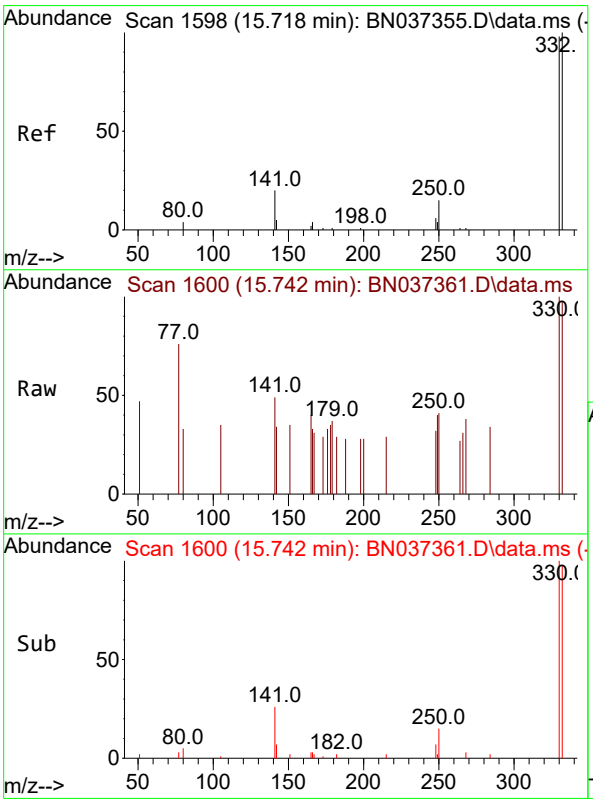
#13
Acenaphthene-d10
Concen: 0.400 ng
RT: 14.224 min Scan# 14
Delta R.T. 0.011 min
Lab File: BN037361.D
Acq: 20 Jun 2025 22:16

Instrument :
BNA_N
ClientSampleId :
PB168563BL

Tgt Ion:164 Resp: 2736

Ion	Ratio	Lower	Upper
164	100		
162	102.7	81.5	122.3
160	52.5	43.0	64.4

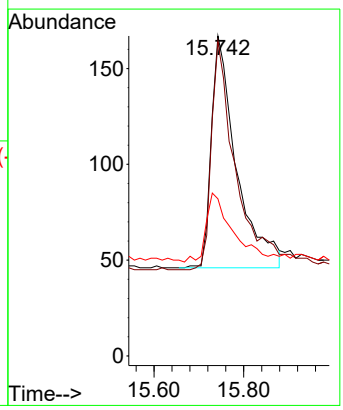


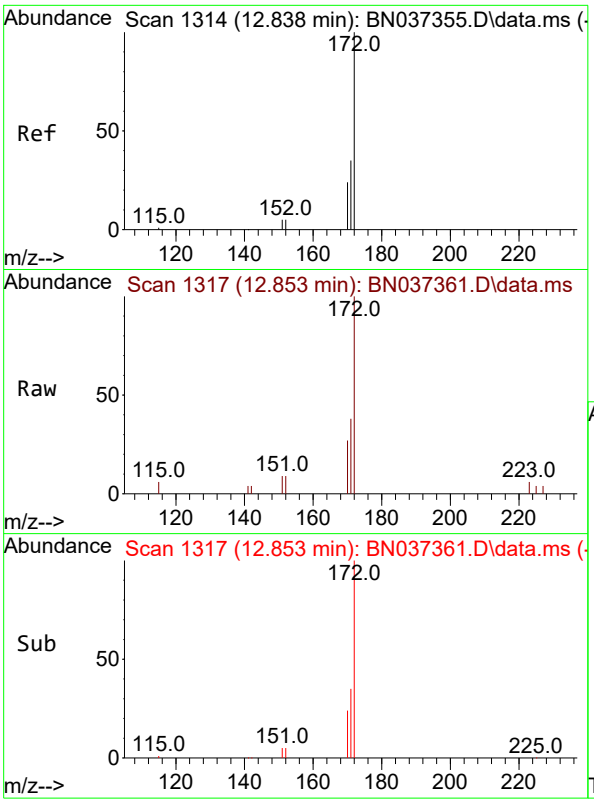


#14
2,4,6-Tribromophenol
Concen: 0.292 ng
RT: 15.742 min Scan# 1600
Delta R.T. 0.025 min
Lab File: BN037361.D
Acq: 20 Jun 2025 22:16

Tgt Ion:330 Resp: 469

Ion	Ratio	Lower	Upper
330	100		
332	95.1	78.4	117.6
141	31.3	24.4	36.6



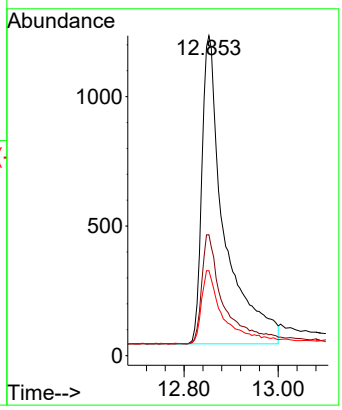


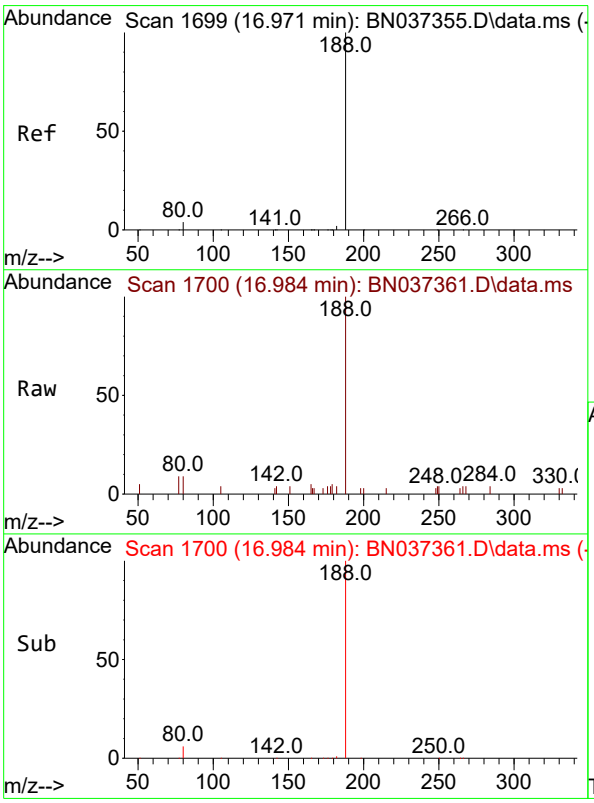
#15
2-Fluorobiphenyl
Concen: 0.326 ng
RT: 12.853 min Scan# 1
Delta R.T. 0.015 min
Lab File: BN037361.D
Acq: 20 Jun 2025 22:16

Instrument :
BNA_N
ClientSampleId :
PB168563BL

Tgt Ion:172 Resp: 3920

Ion	Ratio	Lower	Upper
172	100		
171	37.8	30.8	46.2
170	26.6	21.9	32.9

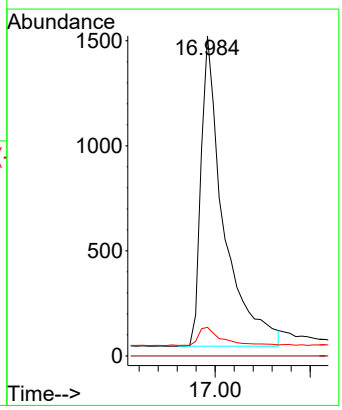


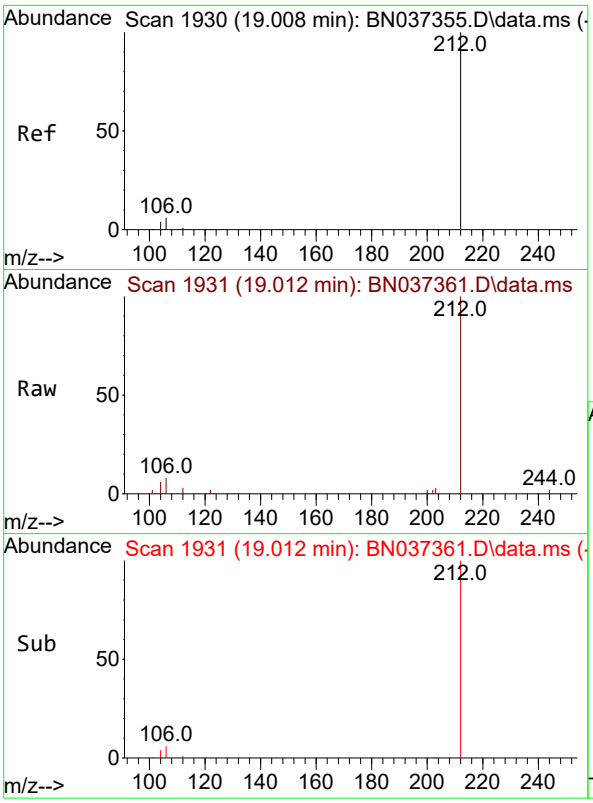


#19
Phenanthrene-d10
Concen: 0.400 ng
RT: 16.984 min Scan# 1700
Delta R.T. 0.012 min
Lab File: BN037361.D
Acq: 20 Jun 2025 22:16

Tgt Ion:188 Resp: 4864

Ion	Ratio	Lower	Upper
188	100		
94	0.0	0.0	0.0
80	8.9	6.2	9.2



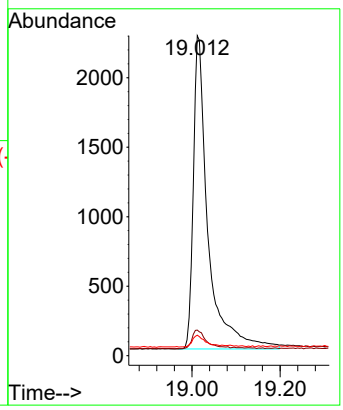


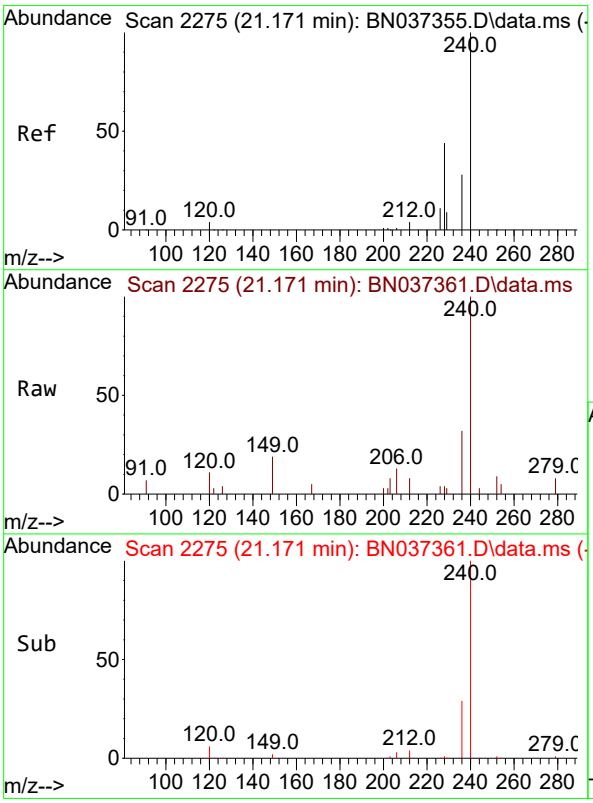
#27
Fluoranthene-d10
Concen: 0.373 ng
RT: 19.012 min Scan# 1
Delta R.T. 0.004 min
Lab File: BN037361.D
Acq: 20 Jun 2025 22:16

Instrument :
BNA_N
ClientSampleId :
PB168563BL

Tgt Ion:212 Resp: 5207

Ion	Ratio	Lower	Upper
212	100		
106	5.8	3.0	4.4#
104	3.4	2.0	3.0#

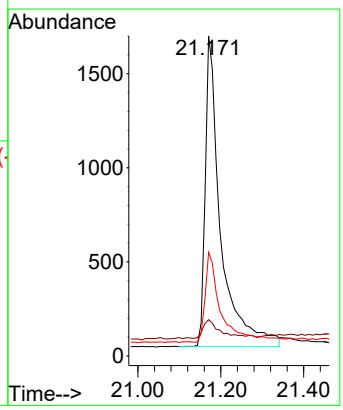


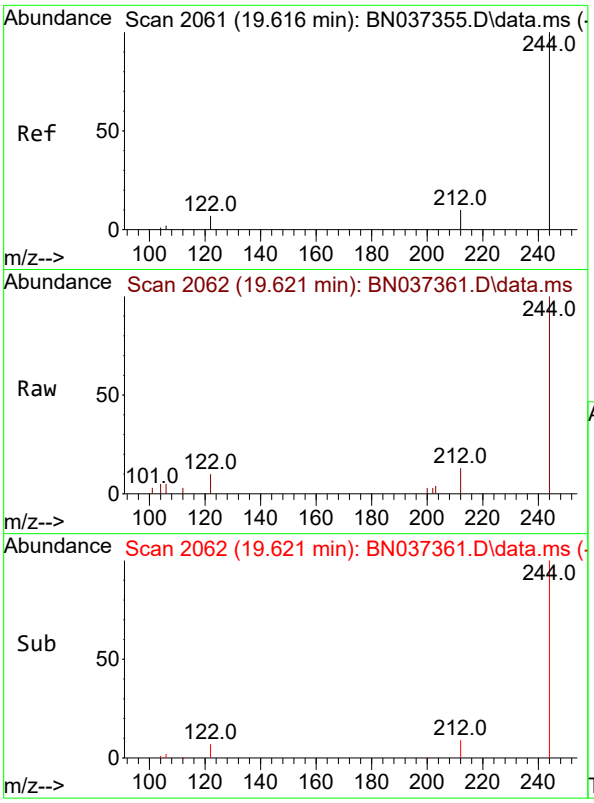


#29
Chrysene-d12
Concen: 0.400 ng
RT: 21.171 min Scan# 2275
Delta R.T. -0.000 min
Lab File: BN037361.D
Acq: 20 Jun 2025 22:16

Tgt Ion:240 Resp: 4288

Ion	Ratio	Lower	Upper
240	100		
120	11.3	7.5	11.3#
236	32.4	24.9	37.3



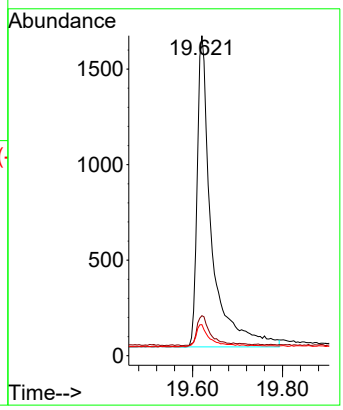


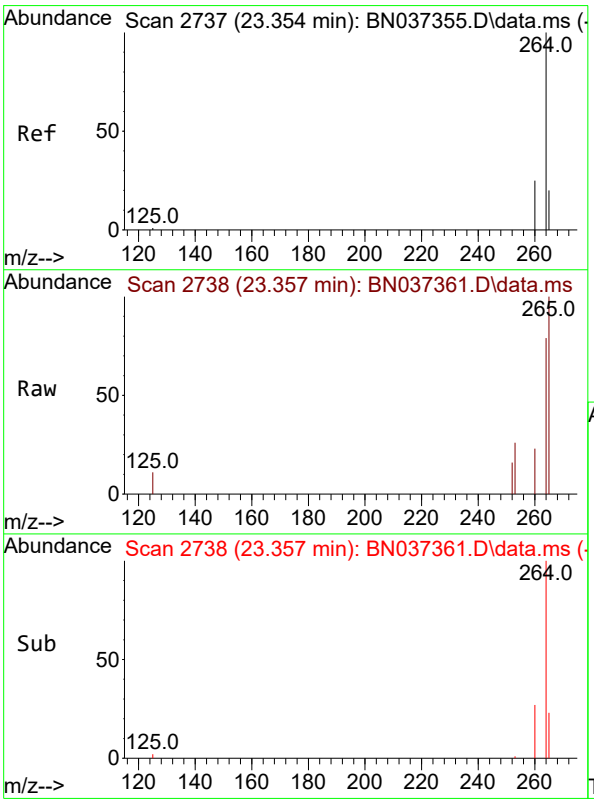
#31
Terphenyl-d14
Concen: 0.373 ng
RT: 19.621 min Scan# 2
Delta R.T. 0.004 min
Lab File: BN037361.D
Acq: 20 Jun 2025 22:16

Instrument :
BNA_N
ClientSampleId :
PB168563BL

Tgt Ion:244 Resp: 3648

Ion	Ratio	Lower	Upper
244	100		
212	12.5	11.1	16.7
122	9.7	7.2	10.8

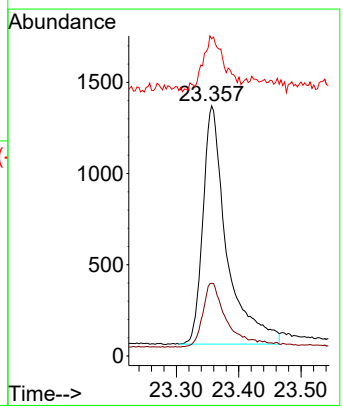




#35
Perylene-d12
Concen: 0.400 ng
RT: 23.357 min Scan# 2738
Delta R.T. 0.003 min
Lab File: BN037361.D
Acq: 20 Jun 2025 22:16

Tgt Ion:264 Resp: 3457

Ion	Ratio	Lower	Upper
264	100		
260	29.0	21.4	32.2
265	126.8	71.4	107.0#



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062125\
Data File : BN037363.D
Acq On : 20 Jun 2025 23:28
Operator : RC/JU
Sample : PB168563BS
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB168563BS

Quant Time: Jun 20 23:54:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN062125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 23:41:54 2025
Response via : Initial Calibration

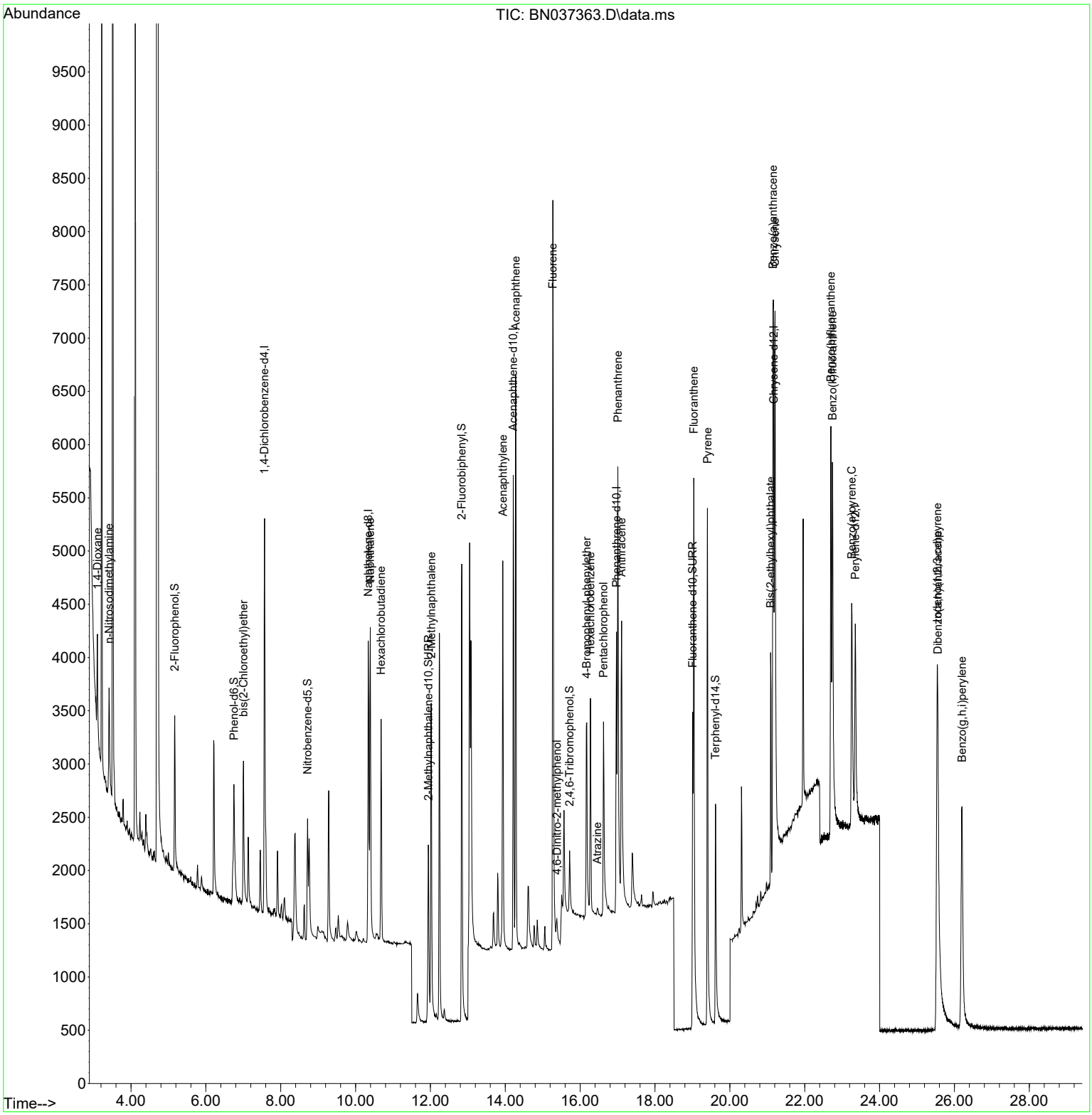
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.568	152	1960	0.400	ng		0.00
7) Naphthalene-d8	10.340	136	4204	0.400	ng	#	0.00
13) Acenaphthene-d10	14.213	164	2586	0.400	ng		0.00
19) Phenanthrene-d10	16.971	188	4830	0.400	ng		0.00
29) Chrysene-d12	21.171	240	3875	0.400	ng		0.00
35) Perylene-d12	23.351	264	2749	0.400	ng	#	0.00
System Monitoring Compounds							
4) 2-Fluorophenol	5.170	112	1356	0.346	ng		0.00
5) Phenol-d6	6.752	99	1369	0.339	ng		0.00
8) Nitrobenzene-d5	8.717	82	1246	0.367	ng		0.00
11) 2-Methylnaphthalene-d10	11.945	152	3338	0.490	ng		0.00
14) 2,4,6-Tribromophenol	15.718	330	509	0.336	ng		0.00
15) 2-Fluorobiphenyl	12.838	172	4401	0.387	ng		0.00
27) Fluoranthene-d10	19.007	212	4783	0.345	ng		0.00
31) Terphenyl-d14	19.616	244	3479	0.394	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.104	88	631	0.317	ng	#	32
3) n-Nitrosodimethylamine	3.415	42	717	0.392	ng	#	82
6) bis(2-Chloroethyl)ether	7.004	93	1334	0.373	ng		97
9) Naphthalene	10.394	128	4124	0.372	ng	#	90
10) Hexachlorobutadiene	10.682	225	1728	0.394	ng	#	99
12) 2-Methylnaphthalene	12.021	142	2530	0.327	ng		94
16) Acenaphthylene	13.935	152	4145	0.381	ng		98
17) Acenaphthene	14.277	154	2614	0.365	ng		99
18) Fluorene	15.271	166	3566	0.355	ng		99
20) 4,6-Dinitro-2-methylph...	15.378	198	387	0.333	ng		89
21) 4-Bromophenyl-phenylether	16.177	248	1258	0.366	ng		98
22) Hexachlorobenzene	16.276	284	1521	0.406	ng		99
23) Atrazine	16.462	200	89	0.032	ng	#	63
24) Pentachlorophenol	16.624	266	1322	0.709	ng		95
25) Phenanthrene	17.009	178	5063	0.362	ng		99
26) Anthracene	17.108	178	4541	0.352	ng		98
28) Fluoranthene	19.035	202	6071	0.343	ng	#	99
30) Pyrene	19.402	202	5679	0.361	ng		99
32) Benzo(a)anthracene	21.153	228	4660	0.366	ng		99
33) Chrysene	21.206	228	6398	0.414	ng		98
34) Bis(2-ethylhexyl)phtha...	21.090	149	1970	0.377	ng	#	98
36) Indeno(1,2,3-cd)pyrene	25.541	276	6014	0.488	ng	#	92
37) Benzo(b)fluoranthene	22.699	252	5246	0.519	ng	#	98
38) Benzo(k)fluoranthene	22.743	252	5910	0.539	ng		99
39) Benzo(a)pyrene	23.254	252	4418	0.487	ng	#	96
40) Dibenzo(a,h)anthracene	25.555	278	4975	0.537	ng		95
41) Benzo(g,h,i)perylene	26.201	276	5107	0.464	ng	#	98

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062125\
Data File : BN037363.D
Acq On : 20 Jun 2025 23:28
Operator : RC/JU
Sample : PB168563BS
Misc :
ALS Vial : 14 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB168563BS

Quant Time: Jun 20 23:54:04 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN062125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 23:41:54 2025
Response via : Initial Calibration



Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062125\
Data File : BN037364.D
Acq On : 21 Jun 2025 00:04
Operator : RC/JU
Sample : PB168563BSD
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB168563BSD

Quant Time: Jun 21 00:33:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN062125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 23:41:54 2025
Response via : Initial Calibration

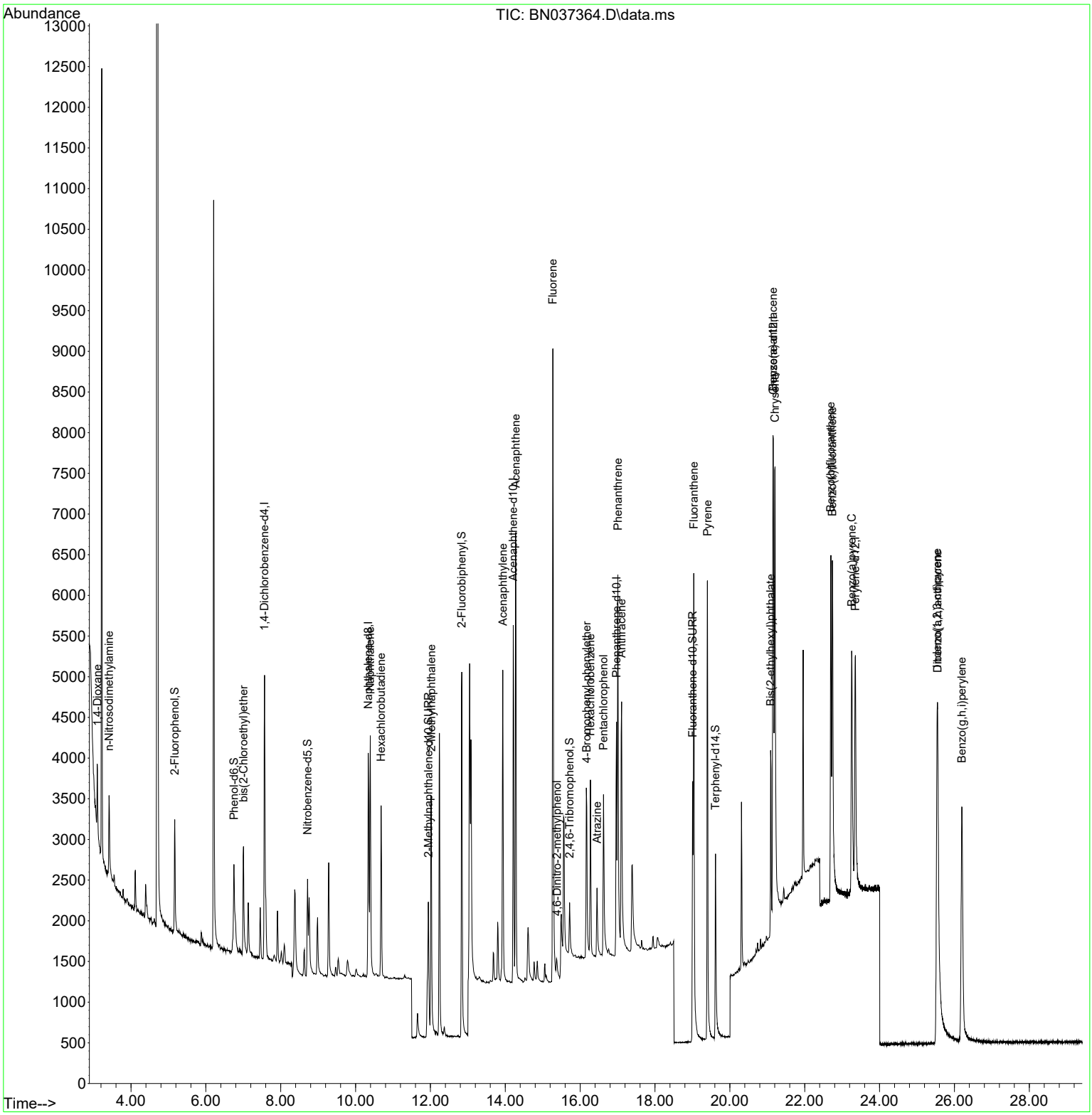
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.568	152	1885	0.400	ng	0.00
7) Naphthalene-d8	10.340	136	4095	0.400	ng	# 0.00
13) Acenaphthene-d10	14.213	164	2623	0.400	ng	0.00
19) Phenanthrene-d10	16.971	188	5035	0.400	ng	# 0.00
29) Chrysene-d12	21.162	240	4193	0.400	ng	0.00
35) Perylene-d12	23.354	264	4470	0.400	ng	0.00
System Monitoring Compounds						
4) 2-Fluorophenol	5.170	112	1274	0.338	ng	0.00
5) Phenol-d6	6.752	99	1342	0.346	ng	0.00
8) Nitrobenzene-d5	8.717	82	1284	0.388	ng	0.00
11) 2-Methylnaphthalene-d10	11.945	152	2563m	0.386	ng	0.00
14) 2,4,6-Tribromophenol	15.718	330	522	0.339	ng	0.00
15) 2-Fluorobiphenyl	12.838	172	4574	0.397	ng	0.00
27) Fluoranthene-d10	19.007	212	5003	0.346	ng	0.00
31) Terphenyl-d14	19.616	244	3587	0.375	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.104	88	583	0.304	ng	# 36
3) n-Nitrosodimethylamine	3.415	42	653	0.372	ng	# 70
6) bis(2-Chloroethyl)ether	7.004	93	1260	0.366	ng	99
9) Naphthalene	10.394	128	4026	0.372	ng	# 89
10) Hexachlorobutadiene	10.682	225	1748	0.410	ng	# 100
12) 2-Methylnaphthalene	12.021	142	2474	0.328	ng	93
16) Acenaphthylene	13.935	152	4445	0.403	ng	98
17) Acenaphthene	14.277	154	2642	0.364	ng	98
18) Fluorene	15.271	166	3709	0.364	ng	99
20) 4,6-Dinitro-2-methylph...	15.378	198	419	0.346	ng	# 81
21) 4-Bromophenyl-phenylether	16.177	248	1344	0.375	ng	96
22) Hexachlorobenzene	16.276	284	1596	0.409	ng	99
23) Atrazine	16.450	200	1011	0.354	ng	# 88
24) Pentachlorophenol	16.624	266	1337	0.688	ng	97
25) Phenanthrene	17.009	178	5370	0.368	ng	99
26) Anthracene	17.108	178	4862	0.362	ng	99
28) Fluoranthene	19.035	202	6244	0.339	ng	# 99
30) Pyrene	19.402	202	6351	0.373	ng	99
32) Benzo(a)anthracene	21.153	228	5141	0.373	ng	99
33) Chrysene	21.206	228	6472	0.387	ng	97
34) Bis(2-ethylhexyl)phtha...	21.090	149	2023	0.358	ng	96
36) Indeno(1,2,3-cd)pyrene	25.538	276	7744	0.386	ng	# 92
37) Benzo(b)fluoranthene	22.696	252	5838	0.355	ng	95
38) Benzo(k)fluoranthene	22.740	252	6945	0.389	ng	96
39) Benzo(a)pyrene	23.254	252	5888	0.399	ng	95
40) Dibenzo(a,h)anthracene	25.552	278	5912	0.392	ng	89
41) Benzo(g,h,i)perylene	26.199	276	7039	0.393	ng	96

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN062125\
Data File : BN037364.D
Acq On : 21 Jun 2025 00:04
Operator : RC/JU
Sample : PB168563BSD
Misc :
ALS Vial : 15 Sample Multiplier: 1

Instrument :
BNA_N
ClientSampleId :
PB168563BSD

Quant Time: Jun 21 00:33:22 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\8270-SIM-BN062125.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jun 20 23:41:54 2025
Response via : Initial Calibration



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Manual Integration Report

Sequence:	BN062125	Instrument	BNA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICCC0.4	BN037355.D	Benzo(b)fluoranthene	Rahul	6/23/2025 4:45:50 PM	Jagrut	6/24/2025 3:19:09 PM	Peak Integrated by Software
SSTDICV0.4	BN037360.D	Benzo(b)fluoranthene	Rahul	6/23/2025 4:45:53 PM	Jagrut	6/24/2025 3:19:11 PM	Peak Integrated by Software
PB168563BSD	BN037364.D	2-Methylnaphthalene-d10	Rahul	6/23/2025 4:45:56 PM	Jagrut	6/24/2025 3:19:14 PM	Peak Integrated by Software
SSTDCCC0.4	BN037365.D	Benzo(b)fluoranthene	Rahul	6/23/2025 4:45:59 PM	Jagrut	6/24/2025 3:19:16 PM	Peak Integrated by Software

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Fax : 908 789 8922

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QCBatch ID # BN062125

Review By	Rahul	Review On	6/24/2025 9:00:26 AM		
Supervise By	Jagrut	Supervise On	6/24/2025 3:20:40 PM		
SubDirectory	BN062125	HP Acquire Method	BNA_N, 8270_SIM	HP Processing Method	bn062125

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6781,SP6780,SP6779,SP6778,SP6777,SP6776,SP6775
CCC	SP6779
Internal Standard/PEM	SP6740,1ul/100ul sample
ICV/I.BLK	SP6768
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BN037351.D	20 Jun 2025 15:00	RC/JU	Ok
2	SSTDCCC0.4	BN037352.D	20 Jun 2025 16:15	RC/JU	Not Ok
3	SSTDICC0.1	BN037353.D	20 Jun 2025 16:51	RC/JU	Ok
4	SSTDICC0.2	BN037354.D	20 Jun 2025 17:27	RC/JU	Ok
5	SSTDICCC0.4	BN037355.D	20 Jun 2025 18:03	RC/JU	Ok,M
6	SSTDICC0.8	BN037356.D	20 Jun 2025 18:39	RC/JU	Ok
7	SSTDICC1.6	BN037357.D	20 Jun 2025 19:15	RC/JU	Ok
8	SSTDICC3.2	BN037358.D	20 Jun 2025 19:51	RC/JU	Ok
9	SSTDICC5.0	BN037359.D	20 Jun 2025 20:27	RC/JU	Ok
10	SSTDICV0.4	BN037360.D	20 Jun 2025 21:39	RC/JU	Ok,M
11	PB168563BL	BN037361.D	20 Jun 2025 22:16	RC/JU	Ok
12	Q2377-01	BN037362.D	20 Jun 2025 22:52	RC/JU	Ok
13	PB168563BS	BN037363.D	20 Jun 2025 23:28	RC/JU	Ok
14	PB168563BSD	BN037364.D	21 Jun 2025 00:04	RC/JU	Ok,M
15	SSTDCCC0.4	BN037365.D	21 Jun 2025 01:17	RC/JU	Ok,M

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: BNA_N

Daily Analysis Runlog For Sequence/QCBatch ID # BN062125

Review By	Rahul	Review On	6/24/2025 9:00:26 AM	
Supervise By	Jagrut	Supervise On	6/24/2025 3:20:40 PM	
SubDirectory	BN062125	HP Acquire Method	BNA_N, 8270_HP Processing Method	bn062125

STD. NAME	STD REF.#
Tune/Reschk	SP6757
Initial Calibration Stds	SP6781,SP6780,SP6779,SP6778,SP6777,SP6776,SP6775
CCC	SP6779
Internal Standard/PEM	SP6740,1ul/100ul sample
ICV/I.BLK	SP6768
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BN037351.D	20 Jun 2025 15:00		RC/JU	Ok
2	SSTDCCC0.4	SSTDCCC0.4	BN037352.D	20 Jun 2025 16:15	A Fresh Calibration is required.	RC/JU	Not Ok
3	SSTDICC0.1	SSTDICC0.1	BN037353.D	20 Jun 2025 16:51		RC/JU	Ok
4	SSTDICC0.2	SSTDICC0.2	BN037354.D	20 Jun 2025 17:27		RC/JU	Ok
5	SSTDICCC0.4	SSTDICCC0.4	BN037355.D	20 Jun 2025 18:03	Calibration is good for DOD and nondod	RC/JU	Ok,M
6	SSTDICC0.8	SSTDICC0.8	BN037356.D	20 Jun 2025 18:39		RC/JU	Ok
7	SSTDICC1.6	SSTDICC1.6	BN037357.D	20 Jun 2025 19:15		RC/JU	Ok
8	SSTDICC3.2	SSTDICC3.2	BN037358.D	20 Jun 2025 19:51		RC/JU	Ok
9	SSTDICC5.0	SSTDICC5.0	BN037359.D	20 Jun 2025 20:27		RC/JU	Ok
10	SSTDICV0.4	ICVBN062125	BN037360.D	20 Jun 2025 21:39		RC/JU	Ok,M
11	PB168563BL	PB168563BL	BN037361.D	20 Jun 2025 22:16		RC/JU	Ok
12	Q2377-01	PW-B6-L66-061925	BN037362.D	20 Jun 2025 22:52		RC/JU	Ok
13	PB168563BS	PB168563BS	BN037363.D	20 Jun 2025 23:28	.	RC/JU	Ok
14	PB168563BSD	PB168563BSD	BN037364.D	21 Jun 2025 00:04		RC/JU	Ok,M
15	SSTDCCC0.4	SSTDCCC0.4EC	BN037365.D	21 Jun 2025 01:17		RC/JU	Ok,M

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB168563

SOP ID:	M3510C,3580A-Extraction SVOC-21				
Clean Up SOP #:	N/A			**Extraction Start Date :**	06/20/2025
Matrix :	Water			**Extraction Start Time :**	09:32
Weigh By:	N/A	**Extraction By:**	RS	**Extraction End Date :**	06/20/2025
Balance check:	N/A	**Filter By:**	RJ	**Extraction End Time :**	16:30
Balance ID:	N/A	**pH Meter ID:**	N/A	**Concentration By:**	EH
pH Strip Lot#:	E3880	**Hood ID:**	4,5,6,7	**Supervisor By :**	RUPESH

Extraction Method: ☑ Seperatory Funnel ☐ Continious Liquid/Liquid ☐ Sonication ☐ Waste Dilution ☐ Soxhlet

Standared Name	MLS USED	Concentration ug/mL	STD REF. # FROM LOG
Spike Sol 1	1.0ML	0.4 PPM	SP6756
Surrogate	1.0ML	0.4 PPM	SP6831
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Methylene Chloride	N/A	E3943
Baked Na2SO4	N/A	EP2622
10N NaoH	N/A	EP2609
H2SO4 1:1	N/A	EP2610
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

1.5 ML Vial lot# 2210443. pH Adjusted<2 with 1:1 H2SO4 &>11 with 10 N NaOH. Q2373,Q2374,Q2375 & Q2377 all samples added at 12:03 P.M.

KD Bath ID:	WATER BATH-1,2	**Envap ID:**	NEVAP-02
KD Bath Temperature:	60 °C	**Envap Temperature:**	40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
6/20/25	RS (EC4 Lab)	RC/SVOC
16:35	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB168563

Analytical Method: M3510C,3580A-Extraction SVOC-21 **Concentration Date:** 06/20/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB168563BL	SBLK563	SVOC-SIMGroup1	1000	6	RUPESH	ritesh	1			SEP-1
PB168563BS	SLCS563	SVOC-SIMGroup1	1000	6	RUPESH	ritesh	1			2
PB168563BSD	SLCSD563	SVOC-SIMGroup1	1000	6	RUPESH	ritesh	1			3
Q2345-01	EB02-20250616	SVOC-SIMGroup1	1000	6	RUPESH	ritesh	1	C		4
Q2345-13	TT189D2-2050617	SVOC-SIMGroup1	990	6	RUPESH	ritesh	1	C		5
Q2345-14	TT150S1-2050617	SVOC-SIMGroup1	1000	6	RUPESH	ritesh	1	C		6
Q2345-15	RW8-MW01D1-20250617	SVOC-SIMGroup1	1000	6	RUPESH	ritesh	1	C		7
Q2345-16	TT192D2-2050617	SVOC-SIMGroup1	990	6	RUPESH	ritesh	1	C		8
Q2361-01	TT205S1-20250617	SVOC-SIMGroup1	990	6	RUPESH	ritesh	1	C		9
Q2372-01	GAV1W	SVOC-SIMGroup1	970	6	RUPESH	ritesh	1	E		10
Q2373-01	RW5-SP100-20250619	SVOC-SIMGroup1	1000	6	RUPESH	ritesh	1			11
Q2373-02	RW5-SP201-20250619	SVOC-SIMGroup1	1000	6	RUPESH	ritesh	1			12
Q2373-03	RW5-SP303-20250619	SVOC-SIMGroup1	1000	6	RUPESH	ritesh	1			13
Q2374-01	RW7-SP100-20250619	SVOC-SIMGroup1	1000	6	RUPESH	ritesh	1			14
Q2374-02	RW7-SP201-20250619	SVOC-SIMGroup1	1000	6	RUPESH	ritesh	1			15
Q2374-03	RW7-SP302-20250619	SVOC-SIMGroup1	1000	6	RUPESH	ritesh	1			16
Q2374-04	RW7-SP303-20250619	SVOC-SIMGroup1	1000	6	RUPESH	ritesh	1			SEP-1
Q2375-01	RW8-SP100-20250619	SVOC-SIMGroup1	990	6	RUPESH	ritesh	1	D		2
Q2375-02	RW8-SP303-20250619	SVOC-SIMGroup1	990	6	RUPESH	ritesh	1	D		3
Q2377-01	PW-B6-L66-061925	SVOC-SIMGroup1	980	6	RUPESH	ritesh	1	D		4

RS 6/20

* **Extracts relinquished on the same date as received.**

Q2377 Q268567 9:32

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2361 **WorkList ID :** 190289 **Department :** Extraction **Date :** 06-20-2025 09:26:55

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2345-01	EB02-20250616	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	D61	06/16/2025	8270-Modified
Q2345-13	TT189D2-2050617	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	D61	06/17/2025	8270-Modified
Q2345-14	TT150S1-2050617	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	D61	06/17/2025	8270-Modified
Q2345-15	RW8-MW01D1-20250617	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	D61	06/17/2025	8270-Modified
Q2345-16	TT192D2-2050617	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	D61	06/17/2025	8270-Modified
Q2361-01	TT205S1-20250617	Water	SVOC-SIMGroup1	Cool 4 deg C	AECO15	D51	06/17/2025	8270-Modified
Q2372-01	GAV1W	Water	SVOC-SIMGroup1	Cool 4 deg C	GENV01	D51	06/19/2025	8270-Modified

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Date/Time 6/20/25 9:27
Raw Sample Received by: RS (Ext (gb)
Raw Sample Relinquished by:

Date/Time 6/20/25 10:10
Raw Sample Received by:
Raw Sample Relinquished by: RS (Ext (gb)

Q68567

Q2377

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q2373 **WorkList ID :** 190300 **Department :** Extraction **Date :** 06-20-2025 12:02:27

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2373-01	RW5-SP100-20250619	Water	SVOC-SIMGroup1	Cool 4 deg C	TETR06	D51	06/19/2025	8270-Modified
Q2373-02	RW5-SP201-20250619	Water	SVOC-SIMGroup1	Cool 4 deg C	TETR06	D51	06/19/2025	8270-Modified
Q2373-03	RW5-SP303-20250619	Water	SVOC-SIMGroup1	Cool 4 deg C	TETR06	D51	06/19/2025	8270-Modified
Q2374-01	RW7-SP100-20250619	Water	SVOC-SIMGroup1	Cool 4 deg C	TETR06	D51	06/19/2025	8270-Modified
Q2374-02	RW7-SP201-20250619	Water	SVOC-SIMGroup1	Cool 4 deg C	TETR06	D51	06/19/2025	8270-Modified
Q2374-03	RW7-SP302-20250619	Water	SVOC-SIMGroup1	Cool 4 deg C	TETR06	D51	06/19/2025	8270-Modified
Q2374-04	RW7-SP303-20250619	Water	SVOC-SIMGroup1	Cool 4 deg C	TETR06	D51	06/19/2025	8270-Modified
Q2375-01	RW8-SP100-20250619	Water	SVOC-SIMGroup1	Cool 4 deg C	TETR06	D51	06/19/2025	8270-Modified
Q2375-02	RW8-SP303-20250619	Water	SVOC-SIMGroup1	Cool 4 deg C	TETR06	D51	06/19/2025	8270-Modified
Q2377-01	PW-B6-L66-061925	Water	SVOC-SIMGroup1	Cool 4 deg C	JACO05	D51	06/19/2025	8270-Modified

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Date/Time 6/20/25 12:03
Raw Sample Received by: RS (EXT-(gb)
Raw Sample Relinquished by: [signature]

Date/Time 6/20/25 12:35
Raw Sample Received by: [signature]
Raw Sample Relinquished by: RS (EXT-(gb)

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

LAB CHRONICLE

OrderID:	Q2377	**OrderDate:**	6/20/2025 11:23:00 AM
Client:	JACOBS Engineering Group, Inc.	**Project:**	Former Schlumberger STC PTC Site D3868221
Contact:	John Ynfante	**Location:**	D51,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2377-01	**PW-B6-L66-061925**	**Water**			**06/19/25**			**06/19/25**
			SVOC-SIMGroup1	8270-Modified		06/20/25	06/20/25	

SHIPPING DOCUMENTS

CHEMTECH
CHAIN OF CUSTODY RECORD

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

CHEMTECH PROJECT NO. Q2377
QUOTE NO.
COC Number 2039472

8
8.1

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Jacobs
ADDRESS: 412 Mt. Kemble Ave., Ste. 100
CITY Morristown STATE: NJ ZIP: 07960
ATTENTION: John Infante John.Infante@Jacobs.com
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: STC Princeton
PROJECT NO.: D3868221 LOCATION: Princeton Junction
PROJECT MANAGER: Mary Murphy
e-mail: Mary.Murphy@Jacobs.com
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: Mary Murphy PO#:
ADDRESS:
CITY STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) ★ RUSH TAT (2 Day) ★ DAYS*
HARDCOPY (DATA PACKAGE): DAYS*
EDD: DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ☐ Level 1 (Results Only)
- ☐ Level 2 (Results + QC)
- ☒ Level 3 (Results + QC + Raw Data)
- ☐ EDD FORMAT
- ☐ Level 4 (QC + Full Raw Data)
- ☐ NJ Reduced ☐ US EPA CLP
- ☐ NYS ASP A ☐ NYS ASP B
- ☐ Other

ANALYSIS

1 site-specific VOCs (524.2)
2 1,4 Dioxane (8270-SIM)
3 VOCs (SPAM01.1-SIM)
4 VC only
5 6 7 8 9

PRESERVATIVES

A-HCl B-HNO3 C-H2SO4 D-NaOH E-ICE F-OTHER

COMMENTS

← Specify Preservatives

	CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRES 1	PRES 2	PRES 3	PRES 4	PRES 5	PRES 6	PRES 7	PRES 8	PRES 9	COMMENTS
1.		PW-B6-L66-061925	AQ		X	6/19/25	11:00	5	X	X								
2.		PW-B6-L66-061925-SIM	AQ		X		11:00	3			X							
3.		~~PW-B6-L66-061925-FD~~ AH 6/19/25	~~AQ~~ AQ		~~X~~ X		~~11:05~~	~~5~~	~~X~~	~~X~~								
4.		~~PW-B6-L66-061925-SIM-FD~~ AH 6/19/25	~~AQ~~		~~X~~		~~11:05~~	~~3~~			~~X~~							
5.		TB01-061925	DI		X	↓	—	2	X									
6.																		
7.																		
8.																		
9.																		
10.																		

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1.	6/19/25 17:10	1.
2.		2.
3.		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.3 °C
Comments: See work order for list of site specific VOCs
IR Gun #1

Page 1 of 1

CLIENT: ☒ Hand Delivered ☐ Other
CHEMTECH: ☐ Picked Up ☐ Field Sampling

Shipment Complete ☐ YES ☐ NO

WHITE - CHEMTECH COPY FOR RETURN TO CLIENT YELLOW - CHEMTECH COPY PINK - SAMPLER COPY

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2377 JACO05
Client Name : JACOBS Engineering Grou
Client Contact : John Ynfante
Invoice Name : JACOBS Engineering Grou
Invoice Contact : John Ynfante

Order Date : 6/20/2025 11:23:00 AM
Project Name : Former Schlumberger STC
Receive DateTime : 6/19/2025 5:10:00 PM
Purchase Order :

Project Mgr :
Report Type : Level B
EDD Type : CH2MHILL
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2377-01	PW-B6-L66-061925	Water	06/19/2025	11:00	VOCMS Group3		524.2 ~~8260-Low~~		2 Bus. Days
Q2377-02	PW-B6-L66-061925-SIM	Water	06/19/2025	11:00	VOC-SIM		SFAM_VOCSIM		2 Bus. Days
Q2377-03	TB01-061925	Water	06/19/2025	11:00	VOCMS Group3		524.2 ~~8260-Low~~		2 Bus. Days

Relinguished By :
Date / Time : 6/20/25 1150

Received By : Sam
Date / Time : 06/20/25 11:50 RB #4

Storage Area : VOA Refridgerator Room