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

DATA PACKAGE

SEMI-VOLATILE ORGANICS
VOLATILE ORGANICS

PROJECT NAME : ANN

G ENVIRONMENTAL

8 Carriage Ln

Succasunna, NJ - 07876

Phone No: 973-294-1771

ORDER ID : Q3274

ATTENTION : Gary Landis

Laboratory Certification ID # 20012

Table Of Contents for Q3274

DATA OF KNOWN QUALITY CONFORMANCE/NON-CONFORMANCE SUMMARY QUESTIONNAIRE

Laboratory Name : Alliance Technical Group LLC Client : G Environmental

Project Location : NJ Project Number : - ANN

Laboratory Sample ID(s) : Q3274 Sampling Date(s) : 10/01/2025

List DKQP Methods Used (e.g., 8260,8270, et Cetra) **8260D,8270E,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.”

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

Cover Page

Order ID : Q3274

Project ID : ANN

Client : G Environmental

Lab Sample Number	Client Sample Number
Q3274-01	MW4
Q3274-02	MW5

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 : _____ Date: 10/10/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

284 Sheffield Street, Mountainside, NJ 7092, Phone: 908 789 8900, Fax: 908 789 8922

CASE NARRATIVE

G Environmental
Project Name: ANN
Project # N/A
Order ID # Q3274
Test Name: VOC-TCLVOA-10,SVOCMS Group1

A. Number of Samples and Date of Receipt:
2 Water samples were received on 10/02/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: VOC-TCLVOA-10,SVOCMS Group1. This data package contains results for VOC-TCLVOA-10(8260D),SVOCMS Group1(8270E).

C. Analytical Techniques:
VOC-TCLVOA-10 : The analysis performed on instrument MSVOA_N were done using GC column Rxi-624SIL MS 30m, 0.25mm, 1.4 um, Cat. #13868.The analysis of VOC-TCLVOA-10 was based on method 8260D.

SVOCMS Group1 : The samples were analyzed on instrument BNA_G using GC Column ZB-Semi Volatiles Guardian which is 30 meters, 0.25 mm ID, 0.5 um df, Catalog # 7HG-G027-17-GGA. The analysis of SVOCMS Group1 was based on method 8270E and extraction was done based on method 3510.

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

VOC-TCLVOA-10 : The RPD for {VN1003WBSD01} with File ID: VN088025.D met criteria except for Bromomethane[40%] due to difference in results of BS and BSD.

SVOCMS Group1 : The RPD for {PB169973BSD} with File ID: BG064490.D met criteria except for 4-Chloroaniline[21%], due to difference in results of BS and BSD.

284 Sheffield Street, Mountainside, NJ 7092, Phone: 908 789 8900, Fax: 908 789 8922

The Blank Spike met requirements for all compounds except following
SVOCMS Group1 : The Blank Spike for {PB169973BS} with File ID: BG064489.D met requirements for all compounds except for 3,3-Dichlorobenzidine[61%], 3-Nitroaniline[60%] and 4-Chloroaniline[38%], these compounds did not meet the NJDKQP criteria but met the in-house criteria.

The Blank Spike Duplicate met requirements for all compounds except following
SVOCMS Group1 : The Blank Spike Duplicate for {PB169973BSD} with File ID: BG064490.D met requirements for all compounds except for 3,3-Dichlorobenzidine[55%], 3-Nitroaniline[52%] and 4-Chloroaniline[30%], these compounds did not meet the NJDKQP criteria but met the in-house criteria.

The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements.
The Continuous Calibration met the requirements except following

VOC-TCLVOA-10 : The Continuous Calibration File ID VN088013.D met the requirements except for Methyl Acetate is failing high but no positive hit in associate sample therefore no corrective action taken.

The Tuning criteria met requirements.
VOC-TCLVOA-10 : Samples MW4, MW5 were diluted due to high concentrations.

E. Additional Comments:

SEMI-VOA : The Form 6 is not included in the data package because the Initial Calibration was performed using 7 points.

VOC-TCLVOA-10 : Samples for MS/MSD for VOC analysis were not provided with this set of samples. The Blank Spike Duplicate is reported with the data.
Trip Blank was not provided with this set of samples.

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_____

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

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

APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: Q3274

	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: SOHIL JODHANI **Date:** 10/10/2025

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

Hit Summary Sheet
SW-846

SDG No.: Q3274

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID:	**MW4**								
Q3274-01	MW4	Water	Cyclohexane		130		1.50	5.00	ug/L
Q3274-01	MW4	Water	Methylcyclohexane		360	E	0.16	5.00	ug/L
Q3274-01	MW4	Water	Benzene		3.80	J	0.15	5.00	ug/L
Q3274-01	MW4	Water	Toluene		1.50	J	0.14	5.00	ug/L
Q3274-01	MW4	Water	Ethyl Benzene		12.4		0.13	5.00	ug/L
Q3274-01	MW4	Water	m/p-Xylenes		2.10	J	0.24	10.0	ug/L
Q3274-01	MW4	Water	Isopropylbenzene		20.2		0.12	5.00	ug/L
			Total Voc :		530				
Q3274-01	MW4	Water	Cyclopentane, methyl-	*	50.4	J	0	0	ug/L
Q3274-01	MW4	Water	Benzene, 1,4-diethyl-	*	54.6	J	0	0	ug/L
Q3274-01	MW4	Water	Pentane, 2-methyl-	*	54.1	J	0	0	ug/L
Q3274-01	MW4	Water	Benzene, 1,2,3,4-tetramethyl-	*	87.8	J	0	0	ug/L
Q3274-01	MW4	Water	Cyclopentane, 1,2-dimethyl-, tr	*	50.9	J	0	0	ug/L
Q3274-01	MW4	Water	1H-Indene, 2,3-dihydro-5-meth	*	150	J	0	0	ug/L
Q3274-01	MW4	Water	Benzene, 4-ethyl-1,2-dimethyl-	*	140	J	0	0	ug/L
Q3274-01	MW4	Water	Benzene, 2-ethenyl-1,4-dimeth	*	73.0	J	0	0	ug/L
Q3274-01	MW4	Water	Cyclopentane, 1,3-dimethyl-, ci	*	41.6	J	0	0	ug/L
Q3274-01	MW4	Water	1H-Indene, 2,3-dihydro-1,3-din	*	53.1	J	0	0	ug/L
Q3274-01	MW4	Water	Benzene, 1-ethenyl-3-ethyl-	*	98.0	J	0	0	ug/L
Q3274-01	MW4	Water	Benzene, (2-methyl-1-butenyl)-	*	49.3	J	0	0	ug/L
Q3274-01	MW4	Water	n-propylbenzene	*	62.7	J	0.13	5.00	ug/L
Q3274-01	MW4	Water	tert-Butylbenzene	*	1.90	J	0.14	5.00	ug/L
Q3274-01	MW4	Water	sec-Butylbenzene	*	13.2	J	0.13	5.00	ug/L
Q3274-01	MW4	Water	p-Isopropyltoluene	*	1.90	J	0.13	5.00	ug/L
Q3274-01	MW4	Water	n-Butylbenzene	*	19.4	J	0.15	5.00	ug/L
			Total Tics :		1000				
			Total Concentration:		1530				
Client ID:	**MW4DL**								
Q3274-01DL	MW4DL	Water	Cyclohexane		190	D	14.5	50.0	ug/L
Q3274-01DL	MW4DL	Water	Methylcyclohexane		450	D	1.60	50.0	ug/L
Q3274-01DL	MW4DL	Water	Benzene		5.40	JD	1.50	50.0	ug/L
Q3274-01DL	MW4DL	Water	Ethyl Benzene		15.6	JD	1.30	50.0	ug/L
Q3274-01DL	MW4DL	Water	Isopropylbenzene		24.9	JD	1.20	50.0	ug/L
			Total Voc :		686				
			Total Concentration:		686				
Client ID:	**MW5**								

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

Hit Summary Sheet
SW-846

SDG No.: Q3274

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Q3274-02	MW5	Water	Acetone		180		1.50	25.0	ug/L
Q3274-02	MW5	Water	Cyclohexane		260	E	1.50	5.00	ug/L
Q3274-02	MW5	Water	2-Butanone		5.20	J	0.98	25.0	ug/L
Q3274-02	MW5	Water	Methylcyclohexane		220	E	0.16	5.00	ug/L
Q3274-02	MW5	Water	Benzene		75.1		0.15	5.00	ug/L
Q3274-02	MW5	Water	Toluene		7.10		0.14	5.00	ug/L
Q3274-02	MW5	Water	Ethyl Benzene		20.3		0.13	5.00	ug/L
Q3274-02	MW5	Water	m/p-Xylenes		11.4		0.24	10.0	ug/L
Q3274-02	MW5	Water	o-Xylene		3.50	J	0.12	5.00	ug/L
Q3274-02	MW5	Water	Isopropylbenzene		58.0		0.12	5.00	ug/L
			Total Voc :		841				
Q3274-02	MW5	Water	Cyclopentane, methyl-	*	64.1	J	0	0	ug/L
Q3274-02	MW5	Water	Benzene, 1,4-diethyl-	*	37.3	J	0	0	ug/L
Q3274-02	MW5	Water	Pentane, 2-methyl-	*	36.9	J	0	0	ug/L
Q3274-02	MW5	Water	Indane	*	120	J	0	0	ug/L
Q3274-02	MW5	Water	Benzene, 1,2,3,5-tetramethyl-	*	70.7	J	0	0	ug/L
Q3274-02	MW5	Water	Isopropylcyclobutane	*	32.3	J	0	0	ug/L
Q3274-02	MW5	Water	1H-Indene, 2,3-dihydro-5-meth	*	190	J	0	0	ug/L
Q3274-02	MW5	Water	Benzene, 1-ethyl-2,3-dimethyl-	*	100	J	0	0	ug/L
Q3274-02	MW5	Water	Cyclobutane, (1-methylethylide	*	29.5	J	0	0	ug/L
Q3274-02	MW5	Water	Benzene, 2-ethenyl-1,4-dimeth	*	68.8	J	0	0	ug/L
Q3274-02	MW5	Water	1H-Indene, 2,3-dihydro-1,3-din	*	42.2	J	0	0	ug/L
Q3274-02	MW5	Water	n-propylbenzene	*	110	J	0.13	5.00	ug/L
Q3274-02	MW5	Water	tert-Butylbenzene	*	1.70	J	0.14	5.00	ug/L
Q3274-02	MW5	Water	1,2,4-Trimethylbenzene	*	0.69	J	0.14	5.00	ug/L
Q3274-02	MW5	Water	sec-Butylbenzene	*	10.3	J	0.13	5.00	ug/L
Q3274-02	MW5	Water	p-Isopropyltoluene	*	1.90	J	0.13	5.00	ug/L
Q3274-02	MW5	Water	n-Butylbenzene	*	15.6	J	0.15	5.00	ug/L
			Total Tics :		932				
			Total Concentration:		1770				
Client ID:	**MW5DL**								
Q3274-02DL	MW5DL	Water	Acetone		270	D	7.60	130	ug/L
Q3274-02DL	MW5DL	Water	Cyclohexane		320	D	7.30	25.0	ug/L
Q3274-02DL	MW5DL	Water	Methylcyclohexane		240	D	0.80	25.0	ug/L
Q3274-02DL	MW5DL	Water	Benzene		96.1	D	0.75	25.0	ug/L
Q3274-02DL	MW5DL	Water	Toluene		9.00	JD	0.70	25.0	ug/L
Q3274-02DL	MW5DL	Water	Ethyl Benzene		23.8	JD	0.65	25.0	ug/L

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

Hit Summary Sheet
SW-846

SDG No.: Q3274

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q3274-02DL	MW5DL	Water	m/p-Xylenes	14.3	JD	1.20	50.0	ug/L
Q3274-02DL	MW5DL	Water	Isopropylbenzene	67.4	D	0.60	25.0	ug/L
			Total Voc :	1040				
			Total Concentration:	1040				

SAMPLE DATA

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

Report of Analysis

Client:	G Environmental	Date Collected:	10/01/25
Project:	ANN	Date Received:	10/02/25
Client Sample ID:	MW4	SDG No.:	Q3274
Lab Sample ID:	Q3274-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN088021.D	1	10/03/25 14:17	VN100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	5.00	ug/L
74-87-3	Chloromethane	0.32	U	0.32	5.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	5.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	5.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	5.00	ug/L
67-64-1	Acetone	1.50	U	1.50	25.0	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	5.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	5.00	ug/L
79-20-9	Methyl Acetate	0.27	U	0.27	5.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	5.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	5.00	ug/L
110-82-7	Cyclohexane	130		1.50	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	5.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	5.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	5.00	ug/L
108-87-2	Methylcyclohexane	360	E	0.16	5.00	ug/L
71-43-2	Benzene	3.80	J	0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	5.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	5.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	5.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	25.0	ug/L
108-88-3	Toluene	1.50	J	0.14	5.00	ug/L

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

Report of Analysis

Client:	G Environmental	Date Collected:	10/01/25
Project:	ANN	Date Received:	10/02/25
Client Sample ID:	MW4	SDG No.:	Q3274
Lab Sample ID:	Q3274-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN088021.D	1	10/03/25 14:17	VN100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	5.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	25.0	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	5.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	5.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	5.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	5.00	ug/L
100-41-4	Ethyl Benzene	12.4		0.13	5.00	ug/L
179601-23-1	m/p-Xylenes	2.10	J	0.24	10.0	ug/L
95-47-6	o-Xylene	0.12	U	0.12	5.00	ug/L
100-42-5	Styrene	0.15	U	0.15	5.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	5.00	ug/L
98-82-8	Isopropylbenzene	20.2		0.12	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.3		70 (74) - 130 (125)	105%	SPK: 50
1868-53-7	Dibromofluoromethane	45.1		70 (75) - 130 (124)	90%	SPK: 50
2037-26-5	Toluene-d8	49.9		70 (86) - 130 (113)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.9		70 (77) - 130 (121)	106%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	261000	8.212			
540-36-3	1,4-Difluorobenzene	577000	9.082			
3114-55-4	Chlorobenzene-d5	583000	11.841			
3855-82-1	1,4-Dichlorobenzene-d4	297000	13.77			
TENTATIVE IDENTIFIED COMPOUNDS						

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

Report of Analysis

Client:	G Environmental	Date Collected:	10/01/25
Project:	ANN	Date Received:	10/02/25
Client Sample ID:	MW4	SDG No.:	Q3274
Lab Sample ID:	Q3274-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN088021.D	1	10/03/25 14:17	VN100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
000107-83-5	Pentane, 2-methyl-	54.1	J		5.33	ug/L
000096-37-7	Cyclopentane, methyl-	50.4	J		7.31	ug/L
002532-58-3	Cyclopentane, 1,3-dimethyl-, cis-	41.6	J		8.70	ug/L
000822-50-4	Cyclopentane, 1,2-dimethyl-, trans	50.9	J		8.84	ug/L
103-65-1	n-propylbenzene	62.7	J		13.0	ug/L
98-06-6	tert-Butylbenzene	1.90	J		13.4	ug/L
135-98-8	sec-Butylbenzene	13.2	J		13.6	ug/L
99-87-6	p-Isopropyltoluene	1.90	J		13.7	ug/L
000105-05-5	Benzene, 1,4-diethyl-	54.6	J		13.9	ug/L
104-51-8	n-Butylbenzene	19.4	J		14.0	ug/L
000934-80-5	Benzene, 4-ethyl-1,2-dimethyl-	140	J		14.3	ug/L
007525-62-4	Benzene, 1-ethenyl-3-ethyl-	98.0	J		14.4	ug/L
000488-23-3	Benzene, 1,2,3,4-tetramethyl-	87.8	J		14.6	ug/L
002039-89-6	Benzene, 2-ethenyl-1,4-dimethyl-	73.0	J		14.9	ug/L
000874-35-1	1H-Indene, 2,3-dihydro-5-methyl-	150	J		15.0	ug/L
004175-53-5	1H-Indene, 2,3-dihydro-1,3-dimethy	53.1	J		15.3	ug/L
056253-64-6	Benzene, (2-methyl-1-butenyl)-	49.3	J		15.4	ug/L

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:	G Environmental	Date Collected:	10/01/25
Project:	ANN	Date Received:	10/02/25
Client Sample ID:	MW4DL	SDG No.:	Q3274
Lab Sample ID:	Q3274-01DL	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN088027.D	10	10/03/25 16:37	VN100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	2.20	UD	2.20	50.0	ug/L
74-87-3	Chloromethane	3.20	UD	3.20	50.0	ug/L
75-01-4	Vinyl Chloride	2.60	UD	2.60	50.0	ug/L
74-83-9	Bromomethane	14.4	UD	14.4	50.0	ug/L
75-00-3	Chloroethane	4.70	UD	4.70	50.0	ug/L
75-69-4	Trichlorofluoromethane	3.30	UD	3.30	50.0	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	2.50	UD	2.50	50.0	ug/L
75-35-4	1,1-Dichloroethene	2.30	UD	2.30	50.0	ug/L
67-64-1	Acetone	15.1	UD	15.1	250	ug/L
75-15-0	Carbon Disulfide	2.10	UD	2.10	50.0	ug/L
1634-04-4	Methyl tert-butyl Ether	1.60	UD	1.60	50.0	ug/L
79-20-9	Methyl Acetate	2.70	UD	2.70	50.0	ug/L
75-09-2	Methylene Chloride	2.80	UD	2.80	50.0	ug/L
156-60-5	trans-1,2-Dichloroethene	2.30	UD	2.30	50.0	ug/L
75-34-3	1,1-Dichloroethane	2.30	UD	2.30	50.0	ug/L
110-82-7	Cyclohexane	190	D	14.5	50.0	ug/L
78-93-3	2-Butanone	9.80	UD	9.80	250	ug/L
56-23-5	Carbon Tetrachloride	2.50	UD	2.50	50.0	ug/L
156-59-2	cis-1,2-Dichloroethene	1.90	UD	1.90	50.0	ug/L
74-97-5	Bromochloromethane	2.20	UD	2.20	50.0	ug/L
67-66-3	Chloroform	2.50	UD	2.50	50.0	ug/L
71-55-6	1,1,1-Trichloroethane	2.00	UD	2.00	50.0	ug/L
108-87-2	Methylcyclohexane	450	D	1.60	50.0	ug/L
71-43-2	Benzene	5.40	JD	1.50	50.0	ug/L
107-06-2	1,2-Dichloroethane	2.20	UD	2.20	50.0	ug/L
79-01-6	Trichloroethene	0.93	UD	0.93	50.0	ug/L
78-87-5	1,2-Dichloropropane	2.00	UD	2.00	50.0	ug/L
75-27-4	Bromodichloromethane	2.20	UD	2.20	50.0	ug/L
108-10-1	4-Methyl-2-Pentanone	6.80	UD	6.80	250	ug/L
108-88-3	Toluene	1.40	UD	1.40	50.0	ug/L

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

Report of Analysis

Client:	G Environmental	Date Collected:	10/01/25
Project:	ANN	Date Received:	10/02/25
Client Sample ID:	MW4DL	SDG No.:	Q3274
Lab Sample ID:	Q3274-01DL	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN088027.D	10	10/03/25 16:37	VN100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	1.70	UD	1.70	50.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.60	UD	1.60	50.0	ug/L
79-00-5	1,1,2-Trichloroethane	2.10	UD	2.10	50.0	ug/L
591-78-6	2-Hexanone	8.90	UD	8.90	250	ug/L
124-48-1	Dibromochloromethane	1.80	UD	1.80	50.0	ug/L
106-93-4	1,2-Dibromoethane	1.50	UD	1.50	50.0	ug/L
127-18-4	Tetrachloroethene	2.30	UD	2.30	50.0	ug/L
108-90-7	Chlorobenzene	1.20	UD	1.20	50.0	ug/L
100-41-4	Ethyl Benzene	15.6	JD	1.30	50.0	ug/L
179601-23-1	m/p-Xylenes	2.40	UD	2.40	100	ug/L
95-47-6	o-Xylene	1.20	UD	1.20	50.0	ug/L
100-42-5	Styrene	1.50	UD	1.50	50.0	ug/L
75-25-2	Bromoform	1.90	UD	1.90	50.0	ug/L
98-82-8	Isopropylbenzene	24.9	JD	1.20	50.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	2.60	UD	2.60	50.0	ug/L
541-73-1	1,3-Dichlorobenzene	1.60	UD	1.60	50.0	ug/L
106-46-7	1,4-Dichlorobenzene	1.90	UD	1.90	50.0	ug/L
95-50-1	1,2-Dichlorobenzene	1.60	UD	1.60	50.0	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	5.30	UD	5.30	50.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	2.00	UD	2.00	50.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	2.00	UD	2.00	50.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.8		70 (74) - 130 (125)	108%	SPK: 50
1868-53-7	Dibromofluoromethane	47.3		70 (75) - 130 (124)	95%	SPK: 50
2037-26-5	Toluene-d8	49.5		70 (86) - 130 (113)	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.7		70 (77) - 130 (121)	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	193000	8.206			
540-36-3	1,4-Difluorobenzene	426000	9.082			
3114-55-4	Chlorobenzene-d5	420000	11.847			
3855-82-1	1,4-Dichlorobenzene-d4	205000	13.77			

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

Report of Analysis

Client:	G Environmental	Date Collected:	10/01/25
Project:	ANN	Date Received:	10/02/25
Client Sample ID:	MW4DL	SDG No.:	Q3274
Lab Sample ID:	Q3274-01DL	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN088027.D	10	10/03/25 16:37	VN100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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:	G Environmental	Date Collected:	10/01/25
Project:	ANN	Date Received:	10/02/25
Client Sample ID:	MW5	SDG No.:	Q3274
Lab Sample ID:	Q3274-02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN088022.D	1	10/03/25 14:38	VN100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	5.00	ug/L
74-87-3	Chloromethane	0.32	U	0.32	5.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	5.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	5.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	5.00	ug/L
67-64-1	Acetone	180		1.50	25.0	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	5.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	5.00	ug/L
79-20-9	Methyl Acetate	0.27	U	0.27	5.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	5.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	5.00	ug/L
110-82-7	Cyclohexane	260	E	1.50	5.00	ug/L
78-93-3	2-Butanone	5.20	J	0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	5.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	5.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	5.00	ug/L
108-87-2	Methylcyclohexane	220	E	0.16	5.00	ug/L
71-43-2	Benzene	75.1		0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	5.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	5.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	5.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	25.0	ug/L
108-88-3	Toluene	7.10		0.14	5.00	ug/L

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

Report of Analysis

Client:	G Environmental	Date Collected:	10/01/25
Project:	ANN	Date Received:	10/02/25
Client Sample ID:	MW5	SDG No.:	Q3274
Lab Sample ID:	Q3274-02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN088022.D	1	10/03/25 14:38	VN100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	5.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	25.0	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	5.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	5.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	5.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	5.00	ug/L
100-41-4	Ethyl Benzene	20.3		0.13	5.00	ug/L
179601-23-1	m/p-Xylenes	11.4		0.24	10.0	ug/L
95-47-6	o-Xylene	3.50	J	0.12	5.00	ug/L
100-42-5	Styrene	0.15	U	0.15	5.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	5.00	ug/L
98-82-8	Isopropylbenzene	58.0		0.12	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.4		70 (74) - 130 (125)	99%	SPK: 50
1868-53-7	Dibromofluoromethane	43.3		70 (75) - 130 (124)	87%	SPK: 50
2037-26-5	Toluene-d8	45.8		70 (86) - 130 (113)	92%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.1		70 (77) - 130 (121)	98%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	274000	8.206			
540-36-3	1,4-Difluorobenzene	584000	9.082			
3114-55-4	Chlorobenzene-d5	570000	11.841			
3855-82-1	1,4-Dichlorobenzene-d4	295000	13.77			
TENTATIVE IDENTIFIED COMPOUNDS						

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

Report of Analysis

Client:	G Environmental	Date Collected:	10/01/25
Project:	ANN	Date Received:	10/02/25
Client Sample ID:	MW5	SDG No.:	Q3274
Lab Sample ID:	Q3274-02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN088022.D	1	10/03/25 14:38	VN100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
000107-83-5	Pentane, 2-methyl-	36.9	J		5.34	ug/L
000096-37-7	Cyclopentane, methyl-	64.1	J		7.31	ug/L
000872-56-0	Isopropylcyclobutane	32.3	J		8.84	ug/L
001528-22-9	Cyclobutane, (1-methylethylidene)-	29.5	J		10.1	ug/L
103-65-1	n-propylbenzene	110	J		13.0	ug/L
98-06-6	tert-Butylbenzene	1.70	J		13.4	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.69	J		13.5	ug/L
135-98-8	sec-Butylbenzene	10.3	J		13.6	ug/L
99-87-6	p-Isopropyltoluene	1.90	J		13.7	ug/L
000105-05-5	Benzene, 1,4-diethyl-	37.3	J		13.9	ug/L
000496-11-7	Indane	120	J		14.0	ug/L
104-51-8	n-Butylbenzene	15.6	J		14.0	ug/L
000933-98-2	Benzene, 1-ethyl-2,3-dimethyl-	100	J		14.3	ug/L
000527-53-7	Benzene, 1,2,3,5-tetramethyl-	70.7	J		14.6	ug/L
002039-89-6	Benzene, 2-ethenyl-1,4-dimethyl-	68.8	J		14.9	ug/L
000874-35-1	1H-Indene, 2,3-dihydro-5-methyl-	190	J		15.0	ug/L
004175-53-5	1H-Indene, 2,3-dihydro-1,3-dimethy	42.2	J		15.3	ug/L

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:	G Environmental	Date Collected:	10/01/25
Project:	ANN	Date Received:	10/02/25
Client Sample ID:	MW5DL	SDG No.:	Q3274
Lab Sample ID:	Q3274-02DL	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN088026.D	5	10/03/25 16:16	VN100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.10	UD	1.10	25.0	ug/L
74-87-3	Chloromethane	1.60	UD	1.60	25.0	ug/L
75-01-4	Vinyl Chloride	1.30	UD	1.30	25.0	ug/L
74-83-9	Bromomethane	7.20	UD	7.20	25.0	ug/L
75-00-3	Chloroethane	2.40	UD	2.40	25.0	ug/L
75-69-4	Trichlorofluoromethane	1.70	UD	1.70	25.0	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.30	UD	1.30	25.0	ug/L
75-35-4	1,1-Dichloroethene	1.20	UD	1.20	25.0	ug/L
67-64-1	Acetone	270	D	7.60	130	ug/L
75-15-0	Carbon Disulfide	1.10	UD	1.10	25.0	ug/L
1634-04-4	Methyl tert-butyl Ether	0.80	UD	0.80	25.0	ug/L
79-20-9	Methyl Acetate	1.40	UD	1.40	25.0	ug/L
75-09-2	Methylene Chloride	1.40	UD	1.40	25.0	ug/L
156-60-5	trans-1,2-Dichloroethene	1.20	UD	1.20	25.0	ug/L
75-34-3	1,1-Dichloroethane	1.20	UD	1.20	25.0	ug/L
110-82-7	Cyclohexane	320	D	7.30	25.0	ug/L
78-93-3	2-Butanone	4.90	UD	4.90	130	ug/L
56-23-5	Carbon Tetrachloride	1.30	UD	1.30	25.0	ug/L
156-59-2	cis-1,2-Dichloroethene	0.95	UD	0.95	25.0	ug/L
74-97-5	Bromochloromethane	1.10	UD	1.10	25.0	ug/L
67-66-3	Chloroform	1.30	UD	1.30	25.0	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	UD	1.00	25.0	ug/L
108-87-2	Methylcyclohexane	240	D	0.80	25.0	ug/L
71-43-2	Benzene	96.1	D	0.75	25.0	ug/L
107-06-2	1,2-Dichloroethane	1.10	UD	1.10	25.0	ug/L
79-01-6	Trichloroethene	0.47	UD	0.47	25.0	ug/L
78-87-5	1,2-Dichloropropane	1.00	UD	1.00	25.0	ug/L
75-27-4	Bromodichloromethane	1.10	UD	1.10	25.0	ug/L
108-10-1	4-Methyl-2-Pentanone	3.40	UD	3.40	130	ug/L
108-88-3	Toluene	9.00	JD	0.70	25.0	ug/L

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

Report of Analysis

Client:	G Environmental	Date Collected:	10/01/25
Project:	ANN	Date Received:	10/02/25
Client Sample ID:	MW5DL	SDG No.:	Q3274
Lab Sample ID:	Q3274-02DL	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN088026.D	5	10/03/25 16:16	VN100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.85	UD	0.85	25.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.80	UD	0.80	25.0	ug/L
79-00-5	1,1,2-Trichloroethane	1.10	UD	1.10	25.0	ug/L
591-78-6	2-Hexanone	4.50	UD	4.50	130	ug/L
124-48-1	Dibromochloromethane	0.90	UD	0.90	25.0	ug/L
106-93-4	1,2-Dibromoethane	0.75	UD	0.75	25.0	ug/L
127-18-4	Tetrachloroethene	1.20	UD	1.20	25.0	ug/L
108-90-7	Chlorobenzene	0.60	UD	0.60	25.0	ug/L
100-41-4	Ethyl Benzene	23.8	JD	0.65	25.0	ug/L
179601-23-1	m/p-Xylenes	14.3	JD	1.20	50.0	ug/L
95-47-6	o-Xylene	0.60	UD	0.60	25.0	ug/L
100-42-5	Styrene	0.75	UD	0.75	25.0	ug/L
75-25-2	Bromoform	0.95	UD	0.95	25.0	ug/L
98-82-8	Isopropylbenzene	67.4	D	0.60	25.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.30	UD	1.30	25.0	ug/L
541-73-1	1,3-Dichlorobenzene	0.80	UD	0.80	25.0	ug/L
106-46-7	1,4-Dichlorobenzene	0.95	UD	0.95	25.0	ug/L
95-50-1	1,2-Dichlorobenzene	0.80	UD	0.80	25.0	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	2.70	UD	2.70	25.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	UD	1.00	25.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	UD	1.00	25.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.1		70 (74) - 130 (125)	104%	SPK: 50
1868-53-7	Dibromofluoromethane	47.1		70 (75) - 130 (124)	94%	SPK: 50
2037-26-5	Toluene-d8	49.6		70 (86) - 130 (113)	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.7		70 (77) - 130 (121)	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	199000	8.206			
540-36-3	1,4-Difluorobenzene	431000	9.082			
3114-55-4	Chlorobenzene-d5	412000	11.847			
3855-82-1	1,4-Dichlorobenzene-d4	199000	13.77			

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

Report of Analysis

Client:	G Environmental	Date Collected:	10/01/25
Project:	ANN	Date Received:	10/02/25
Client Sample ID:	MW5DL	SDG No.:	Q3274
Lab Sample ID:	Q3274-02DL	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN088026.D	5	10/03/25 16:16	VN100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

SDG No.: Q3274

Client: G Environmental

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q3274-01	MW4	1,2-Dichloroethane-d4	50	52.3	105		70 (74)	130 (125)
		Dibromofluoromethane	50	45.1	90		70 (75)	130 (124)
		Toluene-d8	50	49.9	100		70 (86)	130 (113)
		4-Bromofluorobenzene	50	52.9	106		70 (77)	130 (121)
Q3274-01DL	MW4DL	1,2-Dichloroethane-d4	50	53.8	108		70 (74)	130 (125)
		Dibromofluoromethane	50	47.3	95		70 (75)	130 (124)
		Toluene-d8	50	49.5	99		70 (86)	130 (113)
		4-Bromofluorobenzene	50	50.7	101		70 (77)	130 (121)
Q3274-02	MW5	1,2-Dichloroethane-d4	50	49.4	99		70 (74)	130 (125)
		Dibromofluoromethane	50	43.3	87		70 (75)	130 (124)
		Toluene-d8	50	45.8	92		70 (86)	130 (113)
		4-Bromofluorobenzene	50	49.1	98		70 (77)	130 (121)
Q3274-02DL	MW5DL	1,2-Dichloroethane-d4	50	52.1	104		70 (74)	130 (125)
		Dibromofluoromethane	50	47.1	94		70 (75)	130 (124)
		Toluene-d8	50	49.6	99		70 (86)	130 (113)
		4-Bromofluorobenzene	50	50.7	101		70 (77)	130 (121)
VN1003WBL01	VN1003WBL01	1,2-Dichloroethane-d4	50	57.1	114		70 (74)	130 (125)
		Dibromofluoromethane	50	47.8	96		70 (75)	130 (124)
		Toluene-d8	50	47.2	94		70 (86)	130 (113)
		4-Bromofluorobenzene	50	42.0	84		70 (77)	130 (121)
VN1003WBS01	VN1003WBS01	1,2-Dichloroethane-d4	50	52.0	104		70 (74)	130 (125)
		Dibromofluoromethane	50	49.9	100		70 (75)	130 (124)
		Toluene-d8	50	49.8	100		70 (86)	130 (113)
		4-Bromofluorobenzene	50	48.8	98		70 (77)	130 (121)
VN1003WBSD0	VN1003WBSD01	1,2-Dichloroethane-d4	50	47.4	95		70 (74)	130 (125)
		Dibromofluoromethane	50	43.1	86		70 (75)	130 (124)
		Toluene-d8	50	44.1	88		70 (86)	130 (113)
		4-Bromofluorobenzene	50	44.4	89		70 (77)	130 (121)

( ) = LABORATORY INHOUSE LIMIT

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3274 **Analytical Method:** SW8260D

Client: G Environmental **Datafile :** VN088016.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1003WBS01	Dichlorodifluoromethane	20	20.6	ug/L	103			40 (69)	160 (116)	
	Chloromethane	20	21.2	ug/L	106			40 (65)	160 (116)	
	Vinyl chloride	20	21.8	ug/L	109			70 (65)	130 (117)	
	Bromomethane	20	23.7	ug/L	119			40 (58)	160 (125)	
	Chloroethane	20	22.8	ug/L	114			40 (56)	160 (128)	
	Trichlorofluoromethane	20	22.1	ug/L	111			40 (73)	160 (115)	
	1,1,2-Trichlorotrifluoroethane	20	23.1	ug/L	116			70 (80)	130 (112)	
	1,1-Dichloroethene	20	22.3	ug/L	112			70 (74)	130 (110)	
	Acetone	100	110	ug/L	110			40 (60)	160 (125)	
	Carbon disulfide	20	19.2	ug/L	96			40 (64)	160 (112)	
	Methyl tert-butyl Ether	20	21.7	ug/L	109			70 (78)	130 (114)	
	Methyl Acetate	20	25.4	ug/L	127			70 (67)	130 (125)	
	Methylene Chloride	20	21.9	ug/L	110			70 (72)	130 (114)	
	trans-1,2-Dichloroethene	20	21.2	ug/L	106			70 (75)	130 (108)	
	1,1-Dichloroethane	20	22.8	ug/L	114			70 (78)	130 (112)	
	Cyclohexane	20	21.7	ug/L	109			70 (75)	130 (110)	
	2-Butanone	100	110	ug/L	110			40 (65)	160 (122)	
	Carbon Tetrachloride	20	21.3	ug/L	106			70 (77)	130 (113)	
	cis-1,2-Dichloroethene	20	22.1	ug/L	111			70 (77)	130 (110)	
	Bromochloromethane	20	20.4	ug/L	102			70 (70)	130 (124)	
	Chloroform	20	23.3	ug/L	117			70 (79)	130 (113)	
	1,1,1-Trichloroethane	20	22.2	ug/L	111			70 (80)	130 (108)	
	Methylcyclohexane	20	19.5	ug/L	98			70 (72)	130 (115)	
	Benzene	20	21.1	ug/L	106			70 (82)	130 (109)	
	1,2-Dichloroethane	20	21.2	ug/L	106			70 (80)	130 (115)	
	Trichloroethene	20	21.4	ug/L	107			70 (77)	130 (113)	
	1,2-Dichloropropane	20	22.3	ug/L	112			70 (83)	130 (111)	
	Bromodichloromethane	20	22.6	ug/L	113			70 (83)	130 (110)	
	4-Methyl-2-Pentanone	100	110	ug/L	110			40 (74)	160 (118)	
	Toluene	20	21.5	ug/L	108			70 (82)	130 (110)	
	t-1,3-Dichloropropene	20	21.4	ug/L	107			70 (79)	130 (110)	
	cis-1,3-Dichloropropene	20	21.7	ug/L	109			70 (82)	130 (110)	
	1,1,2-Trichloroethane	20	22.4	ug/L	112			70 (83)	130 (112)	
	2-Hexanone	100	110	ug/L	110			40 (73)	160 (117)	
	Dibromochloromethane	20	21.1	ug/L	106			70 (82)	130 (110)	
	1,2-Dibromoethane	20	21.4	ug/L	107			70 (81)	130 (110)	
	Tetrachloroethene	20	20.9	ug/L	104			70 (67)	130 (123)	
	Chlorobenzene	20	21.5	ug/L	108			70 (82)	130 (109)	
	Ethyl Benzene	20	21.0	ug/L	105			70 (83)	130 (109)	
	m/p-Xylenes	40	42.0	ug/L	105			70 (82)	130 (110)	
	o-Xylene	20	20.7	ug/L	104			70 (83)	130 (109)	
	Styrene	20	21.3	ug/L	106			70 (80)	130 (111)	
	Bromoform	20	20.3	ug/L	102			70 (79)	130 (109)	
	Isopropylbenzene	20	21.5	ug/L	108			70 (83)	130 (112)	
	1,1,2,2-Tetrachloroethane	20	22.5	ug/L	113			70 (76)	130 (118)	
	1,3-Dichlorobenzene	20	21.9	ug/L	110			70 (82)	130 (108)	
	1,4-Dichlorobenzene	20	21.3	ug/L	106			70 (82)	130 (107)	
	1,2-Dichlorobenzene	20	21.2	ug/L	106			70 (82)	130 (109)	

( ) = LABORATORY INHOUSE LIMIT

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3274 **Analytical Method:** SW8260D

Client: G Environmental **Datafile :** VN088016.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1003WBS01	1,2-Dibromo-3-Chloropropane	20	20.0	ug/L	100			40 (68)	160 (112)	
	1,2,4-Trichlorobenzene	20	20.4	ug/L	102			70 (75)	130 (113)	
	1,2,3-Trichlorobenzene	20	20.3	ug/L	102			70 (76)	130 (114)	

( ) = LABORATORY INHOUSE LIMIT

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3274 **Analytical Method:** SW8260D

Client: G Environmental **Datafile :** VN088025.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1003WBSD01	Dichlorodifluoromethane	20	18.2	ug/L	91	12		40 (69)	160 (116)	20 (19)
	Chloromethane	20	18.7	ug/L	94	12		40 (65)	160 (116)	20 (21)
	Vinyl chloride	20	18.5	ug/L	93	16		70 (65)	130 (117)	20 (19)
	Bromomethane	20	15.9	ug/L	79	40	*	40 (58)	160 (125)	20 (20)
	Chloroethane	20	19.4	ug/L	97	16		40 (56)	160 (128)	20 (20)
	Trichlorofluoromethane	20	19.4	ug/L	97	13		40 (73)	160 (115)	20 (16)
	1,1,2-Trichlorotrifluoroethane	20	19.6	ug/L	98	17		70 (80)	130 (112)	20 (15)
	1,1-Dichloroethene	20	19.8	ug/L	99	12		70 (74)	130 (110)	20 (20)
	Acetone	100	100	ug/L	100	10		40 (60)	160 (125)	20 (20)
	Carbon disulfide	20	17.3	ug/L	86	11		40 (64)	160 (112)	20 (20)
	Methyl tert-butyl Ether	20	20.5	ug/L	103	6		70 (78)	130 (114)	20 (20)
	Methyl Acetate	20	24.5	ug/L	123	3		70 (67)	130 (125)	20 (20)
	Methylene Chloride	20	20.3	ug/L	102	8		70 (72)	130 (114)	20 (20)
	trans-1,2-Dichloroethene	20	19.2	ug/L	96	10		70 (75)	130 (108)	20 (16)
	1,1-Dichloroethane	20	20.0	ug/L	100	13		70 (78)	130 (112)	20 (20)
	Cyclohexane	20	20.0	ug/L	100	9		70 (75)	130 (110)	20 (20)
	2-Butanone	100	110	ug/L	110	0		40 (65)	160 (122)	20 (26)
	Carbon Tetrachloride	20	18.7	ug/L	94	12		70 (77)	130 (113)	20 (15)
	cis-1,2-Dichloroethene	20	19.5	ug/L	98	12		70 (77)	130 (110)	20 (20)
	Bromochloromethane	20	17.4	ug/L	87	16		70 (70)	130 (124)	20 (20)
	Chloroform	20	20.4	ug/L	102	14		70 (79)	130 (113)	20 (20)
	1,1,1-Trichloroethane	20	20.1	ug/L	101	9		70 (80)	130 (108)	20 (20)
	Methylcyclohexane	20	18.8	ug/L	94	4		70 (72)	130 (115)	20 (20)
	Benzene	20	19.2	ug/L	96	10		70 (82)	130 (109)	20 (15)
	1,2-Dichloroethane	20	18.5	ug/L	93	13		70 (80)	130 (115)	20 (20)
	Trichloroethene	20	19.4	ug/L	97	10		70 (77)	130 (113)	20 (15)
	1,2-Dichloropropane	20	19.0	ug/L	95	16		70 (83)	130 (111)	20 (16)
	Bromodichloromethane	20	19.7	ug/L	99	13		70 (83)	130 (110)	20 (16)
	4-Methyl-2-Pentanone	100	100	ug/L	100	10		40 (74)	160 (118)	20 (25)
	Toluene	20	19.4	ug/L	97	11		70 (82)	130 (110)	20 (16)
	t-1,3-Dichloropropene	20	19.5	ug/L	98	9		70 (79)	130 (110)	20 (20)
	cis-1,3-Dichloropropene	20	19.6	ug/L	98	11		70 (82)	130 (110)	20 (16)
	1,1,2-Trichloroethane	20	19.7	ug/L	99	12		70 (83)	130 (112)	20 (20)
	2-Hexanone	100	93.8	ug/L	94	16		40 (73)	160 (117)	20 (25)
	Dibromochloromethane	20	19.1	ug/L	96	10		70 (82)	130 (110)	20 (20)
	1,2-Dibromoethane	20	19.6	ug/L	98	9		70 (81)	130 (110)	20 (20)
	Tetrachloroethene	20	19.1	ug/L	96	8		70 (67)	130 (123)	20 (15)
	Chlorobenzene	20	20.0	ug/L	100	8		70 (82)	130 (109)	20 (15)
	Ethyl Benzene	20	19.5	ug/L	98	7		70 (83)	130 (109)	20 (16)
	m/p-Xylenes	40	39.4	ug/L	99	6		70 (82)	130 (110)	20 (15)
	o-Xylene	20	19.1	ug/L	96	8		70 (83)	130 (109)	20 (20)
	Styrene	20	19.8	ug/L	99	7		70 (80)	130 (111)	20 (17)
	Bromoform	20	18.3	ug/L	92	10		70 (79)	130 (109)	20 (20)
	Isopropylbenzene	20	20.4	ug/L	102	6		70 (83)	130 (112)	20 (29)
	1,1,2,2-Tetrachloroethane	20	21.0	ug/L	105	7		70 (76)	130 (118)	20 (20)
	1,3-Dichlorobenzene	20	19.5	ug/L	98	12		70 (82)	130 (108)	20 (20)
	1,4-Dichlorobenzene	20	19.6	ug/L	98	8		70 (82)	130 (107)	20 (15)
	1,2-Dichlorobenzene	20	20.0	ug/L	100	6		70 (82)	130 (109)	20 (20)

( ) = LABORATORY INHOUSE LIMIT

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3274 **Analytical Method:** SW8260D

Client: G Environmental **Datafile :** VN088025.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VN1003WBSD01	1,2-Dibromo-3-Chloropropane	20	20.1	ug/L	101	1		40 (68)	160 (112)	20 (20)
	1,2,4-Trichlorobenzene	20	19.9	ug/L	100	2		70 (75)	130 (113)	20 (29)
	1,2,3-Trichlorobenzene	20	19.0	ug/L	95	7		70 (76)	130 (114)	20 (29)

( ) = LABORATORY INHOUSE LIMIT

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

VOLATILE METHOD BLANK SUMMARY

Client ID: VN1003WBL01

Lab Name: Alliance | Contract: GENV01

Lab Code: ACE | SDG NO.: Q3274

Lab File ID: VN088015.D | Lab Sample ID: VN1003WBL01

Date Analyzed: 10/03/2025 | Time Analyzed: 11:11

GC Column: RXI-624 ID: 0.25 (mm) | Heated Purge: (Y/N) N

Instrument ID: MSVOA_N

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN1003WBS01	VN1003WBS01	VN088016.D	10/03/2025
MW4	Q3274-01	VN088021.D	10/03/2025
MW5	Q3274-02	VN088022.D	10/03/2025
VN1003WBSD01	VN1003WBSD01	VN088025.D	10/03/2025
MW5DL	Q3274-02DL	VN088026.D	10/03/2025
MW4DL	Q3274-01DL	VN088027.D	10/03/2025

COMMENTS:

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: GENV01
Lab Code: ACE
SDG NO.: Q3274
Lab File ID: VN087922.D
BFB Injection Date: 09/23/2025
Instrument ID: MSVOA_N
BFB Injection Time: 08:31
GC Column: RXI-624 ID: 0.25 (mm)
Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	21.1
75	30.0 - 60.0% of mass 95	55.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.1
173	Less than 2.0% of mass 174	1.2 (1.6) 1
174	50.0 - 100.0% of mass 95	75.3
175	5.0 - 9.0% of mass 174	6.2 (8.3) 1
176	95.0 - 101.0% of mass 174	74.2 (98.4) 1
177	5.0 - 9.0% of mass 176	4.4 (6) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VN087924.D	09/23/2025	09:33
VSTDICCC050	VSTDICCC050	VN087926.D	09/23/2025	10:15
VSTDICC100	VSTDICC100	VN087927.D	09/23/2025	10:36
VSTDICC150	VSTDICC150	VN087928.D	09/23/2025	10:56
VSTDICC020	VSTDICC020	VN087930.D	09/23/2025	11:47

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: GENV01
Lab Code: ACE
SDG NO.: Q3274
Lab File ID: VN088012.D
BFB Injection Date: 10/03/2025
Instrument ID: MSVOA_N
BFB Injection Time: 09:34
GC Column: RXI-624 ID: 0.25 (mm)
Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	21.1
75	30.0 - 60.0% of mass 95	50.2
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 (1.6) 1
174	50.0 - 100.0% of mass 95	70.4
175	5.0 - 9.0% of mass 174	6 (8.5) 1
176	95.0 - 101.0% of mass 174	67.9 (96.5) 1
177	5.0 - 9.0% of mass 176	5 (7.3) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN088013.D	10/03/2025	10:17
VN1003WBL01	VN1003WBL01	VN088015.D	10/03/2025	11:11
VN1003WBS01	VN1003WBS01	VN088016.D	10/03/2025	12:07
MW4	Q3274-01	VN088021.D	10/03/2025	14:17
MW5	Q3274-02	VN088022.D	10/03/2025	14:38
VN1003WBSD01	VN1003WBSD01	VN088025.D	10/03/2025	15:55
MW5DL	Q3274-02DL	VN088026.D	10/03/2025	16:16
MW4DL	Q3274-01DL	VN088027.D	10/03/2025	16:37

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG NO.: Q3274

Lab File ID: VN088013.D Date Analyzed: 10/03/2025

Instrument ID: MSVOA_N Time Analyzed: 10:17

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	211900	8.21	407793	9.08	399348	11.85
UPPER LIMIT	423800	8.706	815586	9.582	798696	12.347
LOWER LIMIT	105950	7.706	203897	8.582	199674	11.347
EPA SAMPLE NO.						
MW4	261013	8.21	577276	9.08	582521	11.84
MW4DL	193443	8.21	426224	9.08	419833	11.85
MW5	274294	8.21	584137	9.08	570238	11.84
MW5DL	199029	8.21	430919	9.08	412320	11.85
VN1003WBL01	175124	8.21	396641	9.08	390371	11.84
VN1003WBS01	210745	8.21	397174	9.08	382298	11.85
VN1003WBSD01	228703	8.21	434830	9.08	402581	11.85

IS1 = Pentafluorobenzene
IS2 = 1,4-Difluorobenzene
IS3 = Chlorobenzene-d5

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.

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG NO.: Q3274

Lab File ID: VN088013.D Date Analyzed: 10/03/2025

Instrument ID: MSVOA_N Time Analyzed: 10:17

GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	212700	13.77				
UPPER LIMIT	425400	14.27				
LOWER LIMIT	106350	13.27				
EPA SAMPLE NO.						
MW4	296966	13.77				
MW4DL	205320	13.77				
MW5	295091	13.77				
MW5DL	199129	13.77				
VN1003WBL01	175413	13.77				
VN1003WBS01	201044	13.77				
VN1003WBSD01	206765	13.77				

IS4 = 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
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	ANN	Date Received:	
Client Sample ID:	VN1003WBL01	SDG No.:	Q3274
Lab Sample ID:	VN1003WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN088015.D	1	10/03/25 11:11	VN100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	5.00	ug/L
74-87-3	Chloromethane	0.32	U	0.32	5.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	5.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	5.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	5.00	ug/L
67-64-1	Acetone	1.50	U	1.50	25.0	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	5.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	5.00	ug/L
79-20-9	Methyl Acetate	0.27	U	0.27	5.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	5.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	5.00	ug/L
110-82-7	Cyclohexane	1.50	U	1.50	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	5.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	5.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	5.00	ug/L
108-87-2	Methylcyclohexane	0.16	U	0.16	5.00	ug/L
71-43-2	Benzene	0.15	U	0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	5.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	5.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	5.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	25.0	ug/L
108-88-3	Toluene	0.14	U	0.14	5.00	ug/L

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	ANN	Date Received:	
Client Sample ID:	VN1003WBL01	SDG No.:	Q3274
Lab Sample ID:	VN1003WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN088015.D	1	10/03/25 11:11	VN100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	5.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	25.0	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	5.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	5.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	5.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	5.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	5.00	ug/L
179601-23-1	m/p-Xylenes	0.24	U	0.24	10.0	ug/L
95-47-6	o-Xylene	0.12	U	0.12	5.00	ug/L
100-42-5	Styrene	0.15	U	0.15	5.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	5.00	ug/L
98-82-8	Isopropylbenzene	0.12	U	0.12	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	57.1		70 (74) - 130 (125)	114%	SPK: 50
1868-53-7	Dibromofluoromethane	47.8		70 (75) - 130 (124)	96%	SPK: 50
2037-26-5	Toluene-d8	47.2		70 (86) - 130 (113)	94%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.0		70 (77) - 130 (121)	84%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	175000	8.206			
540-36-3	1,4-Difluorobenzene	397000	9.082			
3114-55-4	Chlorobenzene-d5	390000	11.841			
3855-82-1	1,4-Dichlorobenzene-d4	175000	13.77			

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	ANN	Date Received:	
Client Sample ID:	VN1003WBL01	SDG No.:	Q3274
Lab Sample ID:	VN1003WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN088015.D	1	10/03/25 11:11	VN100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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:	G Environmental	Date Collected:	
Project:	ANN	Date Received:	
Client Sample ID:	VN1003WBS01	SDG No.:	Q3274
Lab Sample ID:	VN1003WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN088016.D	1	10/03/25 12:07	VN100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	20.6		0.22	5.00	ug/L
74-87-3	Chloromethane	21.2		0.32	5.00	ug/L
75-01-4	Vinyl Chloride	21.8		0.26	5.00	ug/L
74-83-9	Bromomethane	23.7		1.40	5.00	ug/L
75-00-3	Chloroethane	22.8		0.47	5.00	ug/L
75-69-4	Trichlorofluoromethane	22.1		0.33	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	23.1		0.25	5.00	ug/L
75-35-4	1,1-Dichloroethene	22.3		0.23	5.00	ug/L
67-64-1	Acetone	110		1.50	25.0	ug/L
75-15-0	Carbon Disulfide	19.2		0.21	5.00	ug/L
1634-04-4	Methyl tert-butyl Ether	21.7		0.16	5.00	ug/L
79-20-9	Methyl Acetate	25.4		0.27	5.00	ug/L
75-09-2	Methylene Chloride	21.9		0.28	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	21.2		0.23	5.00	ug/L
75-34-3	1,1-Dichloroethane	22.8		0.23	5.00	ug/L
110-82-7	Cyclohexane	21.7		1.50	5.00	ug/L
78-93-3	2-Butanone	110		0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	21.3		0.25	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	22.1		0.19	5.00	ug/L
74-97-5	Bromochloromethane	20.4		0.22	5.00	ug/L
67-66-3	Chloroform	23.3		0.25	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	22.2		0.20	5.00	ug/L
108-87-2	Methylcyclohexane	19.5		0.16	5.00	ug/L
71-43-2	Benzene	21.1		0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	21.2		0.22	5.00	ug/L
79-01-6	Trichloroethene	21.4		0.090	5.00	ug/L
78-87-5	1,2-Dichloropropane	22.3		0.20	5.00	ug/L
75-27-4	Bromodichloromethane	22.6		0.22	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.68	25.0	ug/L
108-88-3	Toluene	21.5		0.14	5.00	ug/L

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	ANN	Date Received:	
Client Sample ID:	VN1003WBS01	SDG No.:	Q3274
Lab Sample ID:	VN1003WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN088016.D	1	10/03/25 12:07	VN100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	21.4		0.17	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	21.7		0.16	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	22.4		0.21	5.00	ug/L
591-78-6	2-Hexanone	110		0.89	25.0	ug/L
124-48-1	Dibromochloromethane	21.1		0.18	5.00	ug/L
106-93-4	1,2-Dibromoethane	21.4		0.15	5.00	ug/L
127-18-4	Tetrachloroethene	20.9		0.23	5.00	ug/L
108-90-7	Chlorobenzene	21.5		0.12	5.00	ug/L
100-41-4	Ethyl Benzene	21.0		0.13	5.00	ug/L
179601-23-1	m/p-Xylenes	42.0		0.24	10.0	ug/L
95-47-6	o-Xylene	20.7		0.12	5.00	ug/L
100-42-5	Styrene	21.3		0.15	5.00	ug/L
75-25-2	Bromoform	20.3		0.19	5.00	ug/L
98-82-8	Isopropylbenzene	21.5		0.12	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	22.5		0.26	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	21.9		0.16	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	21.3		0.19	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	21.2		0.16	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	20.0		0.53	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	20.4		0.20	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	20.3		0.20	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.0		70 (74) - 130 (125)	104%	SPK: 50
1868-53-7	Dibromofluoromethane	49.9		70 (75) - 130 (124)	100%	SPK: 50
2037-26-5	Toluene-d8	49.8		70 (86) - 130 (113)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.8		70 (77) - 130 (121)	98%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	211000	8.206			
540-36-3	1,4-Difluorobenzene	397000	9.083			
3114-55-4	Chlorobenzene-d5	382000	11.847			
3855-82-1	1,4-Dichlorobenzene-d4	201000	13.77			

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	ANN	Date Received:	
Client Sample ID:	VN1003WBS01	SDG No.:	Q3274
Lab Sample ID:	VN1003WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN088016.D	1	10/03/25 12:07	VN100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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:	G Environmental	Date Collected:	
Project:	ANN	Date Received:	
Client Sample ID:	VN1003WBSD01	SDG No.:	Q3274
Lab Sample ID:	VN1003WBSD01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN088025.D	1	10/03/25 15:55	VN100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	18.2		0.22	5.00	ug/L
74-87-3	Chloromethane	18.7		0.32	5.00	ug/L
75-01-4	Vinyl Chloride	18.5		0.26	5.00	ug/L
74-83-9	Bromomethane	15.9		1.40	5.00	ug/L
75-00-3	Chloroethane	19.4		0.47	5.00	ug/L
75-69-4	Trichlorofluoromethane	19.4		0.33	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.6		0.25	5.00	ug/L
75-35-4	1,1-Dichloroethene	19.8		0.23	5.00	ug/L
67-64-1	Acetone	100		1.50	25.0	ug/L
75-15-0	Carbon Disulfide	17.3		0.21	5.00	ug/L
1634-04-4	Methyl tert-butyl Ether	20.5		0.16	5.00	ug/L
79-20-9	Methyl Acetate	24.5		0.27	5.00	ug/L
75-09-2	Methylene Chloride	20.3		0.28	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.2		0.23	5.00	ug/L
75-34-3	1,1-Dichloroethane	20.0		0.23	5.00	ug/L
110-82-7	Cyclohexane	20.0		1.50	5.00	ug/L
78-93-3	2-Butanone	110		0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	18.7		0.25	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.5		0.19	5.00	ug/L
74-97-5	Bromochloromethane	17.4		0.22	5.00	ug/L
67-66-3	Chloroform	20.4		0.25	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.1		0.20	5.00	ug/L
108-87-2	Methylcyclohexane	18.8		0.16	5.00	ug/L
71-43-2	Benzene	19.2		0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	18.5		0.22	5.00	ug/L
79-01-6	Trichloroethene	19.4		0.090	5.00	ug/L
78-87-5	1,2-Dichloropropane	19.0		0.20	5.00	ug/L
75-27-4	Bromodichloromethane	19.7		0.22	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	100		0.68	25.0	ug/L
108-88-3	Toluene	19.4		0.14	5.00	ug/L

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	ANN	Date Received:	
Client Sample ID:	VN1003WBSD01	SDG No.:	Q3274
Lab Sample ID:	VN1003WBSD01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN088025.D	1	10/03/25 15:55	VN100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	19.5		0.17	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.6		0.16	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	19.7		0.21	5.00	ug/L
591-78-6	2-Hexanone	93.8		0.89	25.0	ug/L
124-48-1	Dibromochloromethane	19.1		0.18	5.00	ug/L
106-93-4	1,2-Dibromoethane	19.6		0.15	5.00	ug/L
127-18-4	Tetrachloroethene	19.1		0.23	5.00	ug/L
108-90-7	Chlorobenzene	20.0		0.12	5.00	ug/L
100-41-4	Ethyl Benzene	19.5		0.13	5.00	ug/L
179601-23-1	m/p-Xylenes	39.4		0.24	10.0	ug/L
95-47-6	o-Xylene	19.1		0.12	5.00	ug/L
100-42-5	Styrene	19.8		0.15	5.00	ug/L
75-25-2	Bromoform	18.3		0.19	5.00	ug/L
98-82-8	Isopropylbenzene	20.4		0.12	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	21.0		0.26	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.5		0.16	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.6		0.19	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	20.0		0.16	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	20.1		0.53	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	19.9		0.20	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	19.0		0.20	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.4		70 (74) - 130 (125)	95%	SPK: 50
1868-53-7	Dibromofluoromethane	43.1		70 (75) - 130 (124)	86%	SPK: 50
2037-26-5	Toluene-d8	44.1		70 (86) - 130 (113)	88%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.4		70 (77) - 130 (121)	89%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	229000	8.206			
540-36-3	1,4-Difluorobenzene	435000	9.082			
3114-55-4	Chlorobenzene-d5	403000	11.847			
3855-82-1	1,4-Dichlorobenzene-d4	207000	13.77			

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	ANN	Date Received:	
Client Sample ID:	VN1003WBSD01	SDG No.:	Q3274
Lab Sample ID:	VN1003WBSD01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN088025.D	1	10/03/25 15:55	VN100325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance | Contract: GENV01

Lab Code: ACE | SDG No.: Q3274

Instrument ID: MSVOA_N | Calibration Date(s): 09/23/2025 09/23/2025

Heated Purge: (Y/N) N | Calibration Time(s): 09:33 11:47

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF005 = VN087924.D RRF050 = VN087926.D RRF100 = VN087927.D
RRF150 = VN087928.D RRF020 = VN087930.D RRF =

COMPOUND	RRF005	RRF050	RRF100	RRF150	RRF020	RRF	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.590	0.526	0.505	0.612	0.662		0.579	11
Chloromethane	0.662	0.532	0.497	0.602	0.672		0.593	13.1
Vinyl Chloride	0.656	0.553	0.516	0.613	0.686		0.605	11.7
Bromomethane	0.388	0.320	0.331	0.415	0.422		0.375	12.6
Chloroethane	0.442	0.355	0.337	0.407	0.425		0.393	11.5
Trichlorofluoromethane	1.169	0.883	0.816	0.987	1.068		0.985	14.3
1,1,2-Trichlorotrifluoroethane	0.597	0.475	0.439	0.528	0.563		0.521	12.3
1,1-Dichloroethene	0.591	0.470	0.448	0.539	0.579		0.525	12.2
Acetone	0.417	0.298	0.274	0.326	0.417		0.346	19.4
Carbon Disulfide	1.788	1.485	1.399	1.672	1.862		1.641	12
Methyl tert-butyl Ether	2.047	1.907	1.811	2.256	2.237		2.052	9.6
Methyl Acetate	0.822	0.813	0.767	0.934	0.997		0.866	11
Methylene Chloride	0.871	0.621	0.571	0.680	0.761		0.701	16.9
trans-1,2-Dichloroethene	0.758	0.570	0.542	0.654	0.695		0.644	13.8
1,1-Dichloroethane	1.315	1.057	0.984	1.206	1.268		1.166	12.1
Cyclohexane	1.163	0.827	0.758	0.951	1.020		0.944	16.9
2-Butanone	0.557	0.479	0.453	0.554	0.602		0.529	11.6
Carbon Tetrachloride	0.524	0.461	0.432	0.542	0.545		0.501	10.3
cis-1,2-Dichloroethene	0.852	0.690	0.656	0.804	0.829		0.766	11.5
Bromochloromethane	0.667	0.662	0.598	0.570	0.671		0.634	7.3
Chloroform	1.419	1.145	1.075	1.313	1.424		1.275	12.5
1,1,1-Trichloroethane	1.190	0.958	0.908	1.133	1.197		1.077	12.5
Methylcyclohexane	0.445	0.444	0.435	0.562	0.521		0.482	11.8
Benzene	1.507	1.353	1.258	1.540	1.569		1.445	9.3
1,2-Dichloroethane	0.572	0.484	0.467	0.565	0.609		0.539	11.3
Trichloroethene	0.367	0.315	0.304	0.367	0.374		0.345	9.6
1,2-Dichloropropane	0.391	0.333	0.310	0.377	0.402		0.362	10.9
Bromodichloromethane	0.581	0.521	0.489	0.597	0.616		0.561	9.6
4-Methyl-2-Pentanone	0.532	0.537	0.509	0.614	0.623		0.563	9.2
Toluene	0.897	0.848	0.811	0.998	0.981		0.907	9

* 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.

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance | Contract: GENV01

Lab Code: ACE | SDG No.: Q3274

Instrument ID: MSVOA_N | Calibration Date(s): 09/23/2025 09/23/2025

Heated Purge: (Y/N) N | Calibration Time(s): 09:33 11:47

GC Column: RXI-624 ID: 0.25 (mm)

LAB FILE ID: RRF005 = VN087924.D RRF050 = VN087926.D RRF100 = VN087927.D
RRF150 = VN087928.D RRF020 = VN087930.D RRF =

COMPOUND	RRF005	RRF050	RRF100	RRF150	RRF020	RRF	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.556	0.528	0.518	0.650	0.617		0.574	10
cis-1,3-Dichloropropene	0.593	0.544	0.534	0.659	0.651		0.596	9.8
1,1,2-Trichloroethane	0.390	0.339	0.318	0.384	0.413		0.369	10.5
2-Hexanone	0.297	0.369	0.358	0.436	0.402		0.372	14.1
Dibromochloromethane	0.425	0.402	0.391	0.479	0.472		0.434	9.2
1,2-Dibromoethane	0.395	0.362	0.341	0.420	0.435		0.390	10
Tetrachloroethene	0.308	0.279	0.264	0.328	0.345		0.305	11
Chlorobenzene	1.057	0.951	0.940	1.153	1.218		1.064	11.5
Ethyl Benzene	1.650	1.601	1.637	2.022	1.968		1.775	11.4
m/p-Xylenes	0.612	0.637	0.615	0.767	0.765		0.679	11.8
o-Xylene	0.593	0.598	0.601	0.752	0.718		0.652	11.7
Styrene	0.906	1.063	1.061	1.312	1.260		1.120	14.7
Bromoform	0.286	0.285	0.289	0.352	0.344		0.311	10.9
Isopropylbenzene	2.660	2.804	2.859	3.653	3.518		3.099	14.6
1,1,2,2-Tetrachloroethane	1.212	0.979	0.954	1.168	1.269		1.117	12.7
1,3-Dichlorobenzene	1.689	1.403	1.409	1.745	1.798		1.609	11.7
1,4-Dichlorobenzene	1.800	1.413	1.423	1.744	1.888		1.654	13.4
1,2-Dichlorobenzene	1.591	1.357	1.358	1.673	1.776		1.551	12.2
1,2-Dibromo-3-Chloropropane	0.285	0.220	0.221	0.286	0.285		0.259	13.7
1,2,4-Trichlorobenzene	0.867	0.791	0.830	1.099	0.991		0.916	13.9
1,2,3-Trichlorobenzene	0.780	0.783	0.800	1.068	1.020		0.890	15.9
1,2-Dichloroethane-d4	0.852	0.872	0.901	0.877	0.705		0.841	9.3
Dibromofluoromethane	0.376	0.372	0.385	0.376	0.305		0.363	9
Toluene-d8	1.189	1.352	1.429	1.387	1.026		1.277	13.1
4-Bromofluorobenzene	0.432	0.476	0.511	0.496	0.367		0.456	12.8

* 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.

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: GENV01
Lab Code: ACE
SDG No.: Q3274
Instrument ID: MSVOA_N
Calibration Date/Time: 10/03/2025 10:17
Lab File ID: VN088013.D
Init. Calib. Date(s): 09/23/2025 09/23/2025
Heated Purge: (Y/N) N
Init. Calib. Time(s): 09:33 11:47
GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.579	0.562		-2.94	20
Chloromethane	0.593	0.587	0.1	-1.01	20
Vinyl Chloride	0.605	0.613		1.32	20
Bromomethane	0.375	0.384		2.4	20
Chloroethane	0.393	0.446		13.49	20
Trichlorofluoromethane	0.985	1.069		8.53	20
1,1,2-Trichlorotrifluoroethane	0.521	0.557		6.91	20
1,1-Dichloroethene	0.525	0.558		6.29	20
Acetone	0.346	0.336		-2.89	20
Carbon Disulfide	1.641	1.536		-6.4	20
Methyl tert-butyl Ether	2.052	2.332		13.65	20
Methyl Acetate	0.866	1.141		31.75	20
Methylene Chloride	0.701	0.774		10.41	20
trans-1,2-Dichloroethene	0.644	0.688		6.83	20
1,1-Dichloroethane	1.166	1.316	0.1	12.86	20
Cyclohexane	0.944	0.941		-0.32	20
2-Butanone	0.529	0.565		6.8	20
Carbon Tetrachloride	0.501	0.526		4.99	20
cis-1,2-Dichloroethene	0.766	0.852		11.23	20
Bromochloromethane	0.634	0.609		-3.94	20
Chloroform	1.275	1.461		14.59	20
1,1,1-Trichloroethane	1.077	1.190		10.49	20
Methylcyclohexane	0.482	0.457		-5.19	20
Benzene	1.445	1.547		7.06	20
1,2-Dichloroethane	0.539	0.561		4.08	20
Trichloroethene	0.345	0.349		1.16	20
1,2-Dichloropropane	0.362	0.394		8.84	20
Bromodichloromethane	0.561	0.619		10.34	20
4-Methyl-2-Pentanone	0.563	0.636		12.97	20
Toluene	0.907	0.956		5.4	20
t-1,3-Dichloropropene	0.574	0.569		-0.87	20
cis-1,3-Dichloropropene	0.596	0.572		-4.03	20
1,1,2-Trichloroethane	0.369	0.405		9.76	20
2-Hexanone	0.372	0.431		15.86	20
Dibromochloromethane	0.434	0.476		9.68	20
1,2-Dibromoethane	0.390	0.425		8.97	20
Tetrachloroethene	0.305	0.318		4.26	20
Chlorobenzene	1.064	1.106	0.3	3.95	20

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

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance | Contract: GENV01

Lab Code: ACE | SDG No.: Q3274

Instrument ID: MSVOA_N | Calibration Date/Time: 10/03/2025 10:17

Lab File ID: VN088013.D | Init. Calib. Date(s): 09/23/2025 09/23/2025

Heated Purge: (Y/N) N | Init. Calib. Time(s): 09:33 11:47

GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.775	1.865		5.07	20
m/p-Xylenes	0.679	0.725		6.78	20
o-Xylene	0.652	0.699		7.21	20
Styrene	1.120	1.229		9.73	20
Bromoform	0.311	0.332	0.1	6.75	20
Isopropylbenzene	3.099	3.341		7.81	20
1,1,2,2-Tetrachloroethane	1.117	1.194	0.3	6.89	20
1,3-Dichlorobenzene	1.609	1.682		4.54	20
1,4-Dichlorobenzene	1.654	1.722		4.11	20
1,2-Dichlorobenzene	1.551	1.588		2.39	20
1,2-Dibromo-3-Chloropropane	0.259	0.258		-0.39	20
1,2,4-Trichlorobenzene	0.916	0.870		-5.02	20
1,2,3-Trichlorobenzene	0.890	0.883		-0.79	20
1,2-Dichloroethane-d4	0.841	0.895		6.42	20
Dibromofluoromethane	0.363	0.362		-0.28	20
Toluene-d8	1.277	1.265		-0.94	20
4-Bromofluorobenzene	0.456	0.443		-2.85	20

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_N\Data\VN100325\
Data File : VN088021.D
Acq On : 03 Oct 2025 14:17
Operator : JC\MD
Sample : Q3274-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Oct 04 02:56:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
MW4

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.212	168	261013	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	577276	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	582521	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	296966	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	229841	52.324	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.640%			
35) Dibromofluoromethane	8.147	113	188989	45.090	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 90.180%			
50) Toluene-d8	10.541	98	735191	49.880	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.760%			
62) 4-Bromofluorobenzene	12.823	95	278766	52.912	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.820%			
Target Compounds						Qvalue
31) Cyclohexane	8.241	56	638794	129.685	ug/l #	95
39) Methylcyclohexane	9.582	83	1978856	355.926	ug/l	98
40) Benzene	8.582	78	63341	3.796	ug/l	98
52) Toluene	10.612	92	15963	1.524	ug/l	89
67) Ethyl Benzene	11.941	91	255552	12.354	ug/l	98
68) m/p-Xylenes	12.047	106	16580	2.096	ug/l	85
73) Isopropylbenzene	12.670	105	371414	20.180	ug/l	100
78) n-propylbenzene	13.012	91	1443514	62.731	ug/l	100
83) tert-Butylbenzene	13.411	119	26053	1.933	ug/l	87
85) sec-Butylbenzene	13.594	105	261070	13.215	ug/l #	66
86) p-Isopropyltoluene	13.706	119	31294	1.870	ug/l	93
89) n-Butylbenzene	14.029	91	306176m	19.362	ug/l	

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

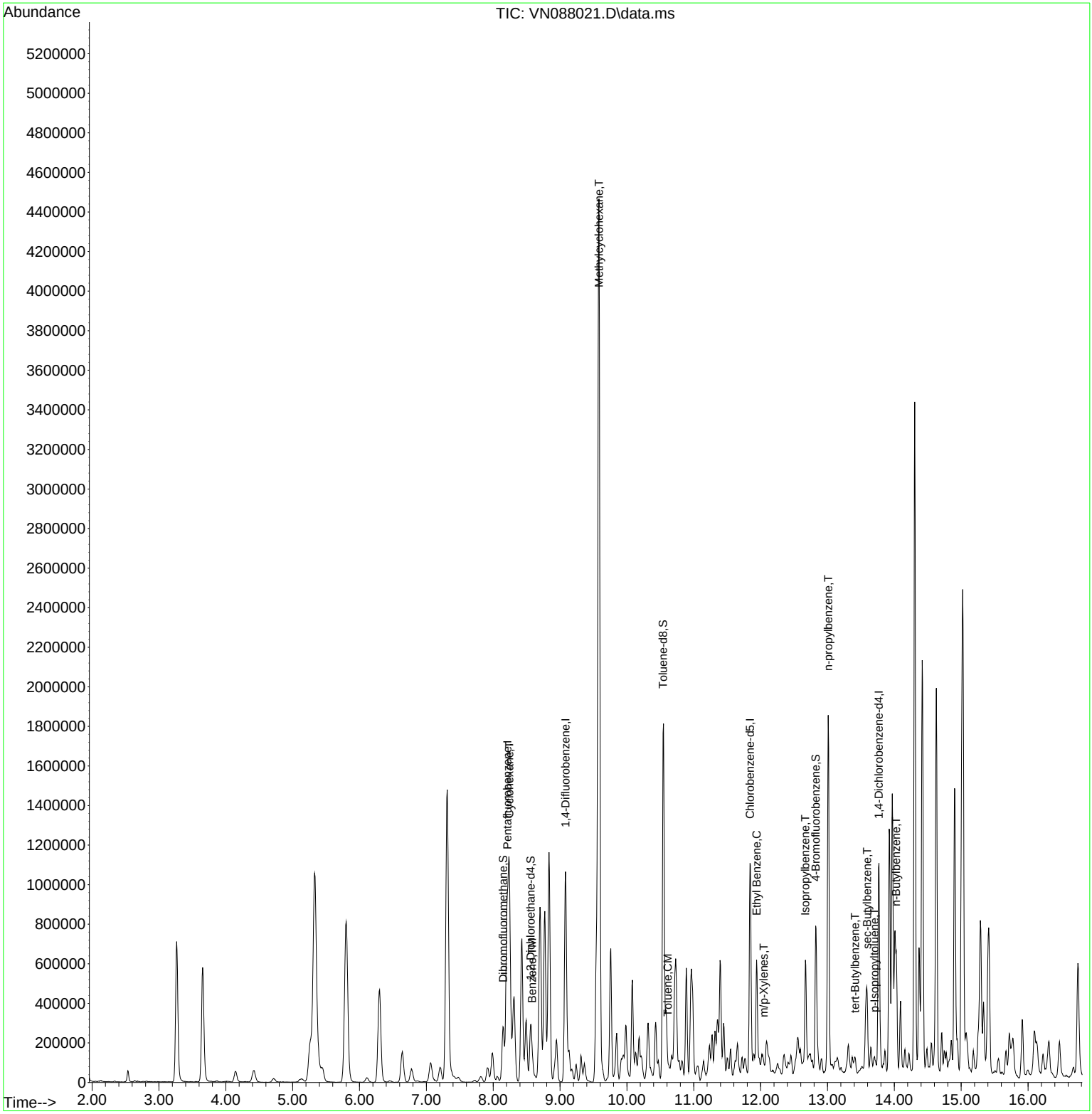
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088021.D
Acq On : 03 Oct 2025 14:17
Operator : JC\MD
Sample : Q3274-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

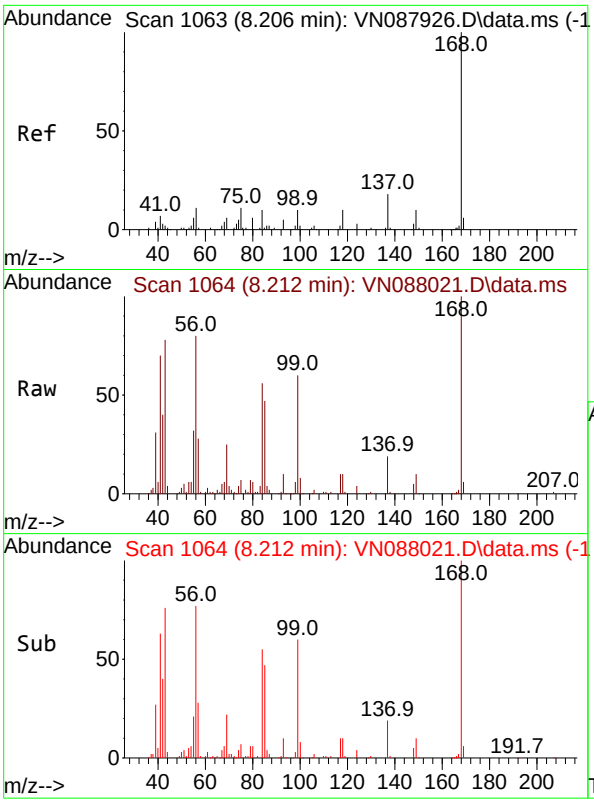
Quant Time: Oct 04 02:56:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
MW4

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

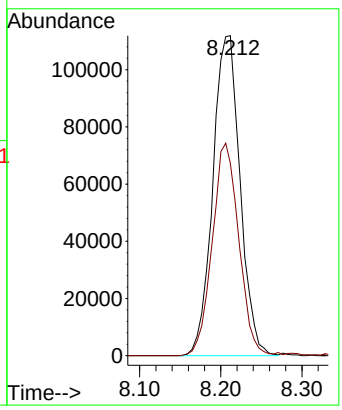




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.212 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN088021.D
Acq: 03 Oct 2025 14:17

Tgt Ion:168 Resp: 26101

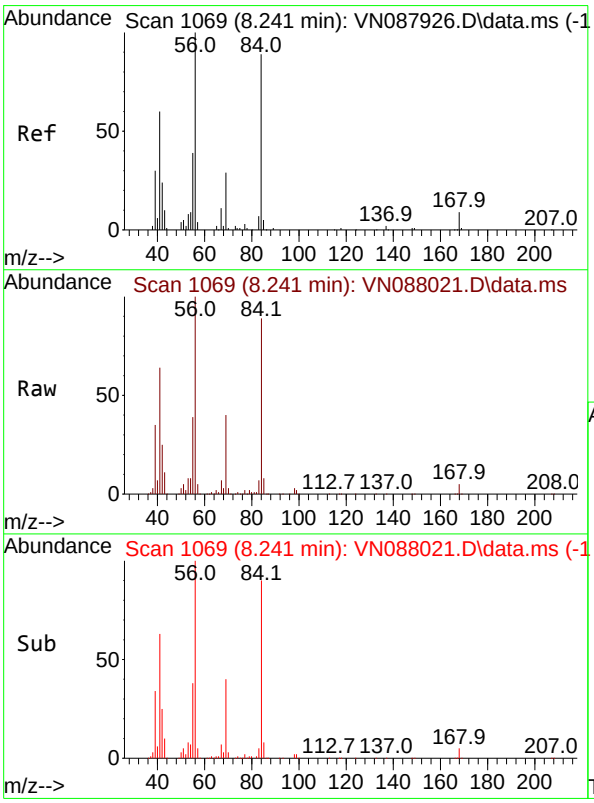
Ion	Ratio	Lower	Upper
168	100		
99	60.1	52.2	78.2



Instrument :
MSVOA_N
ClientSampleId :
MW4

Manual Integrations
APPROVED

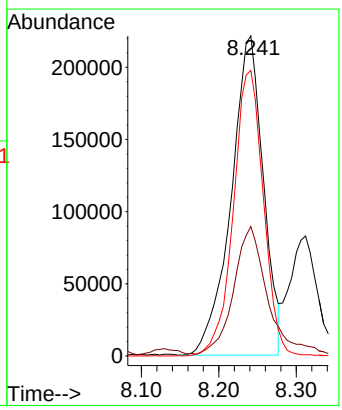
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

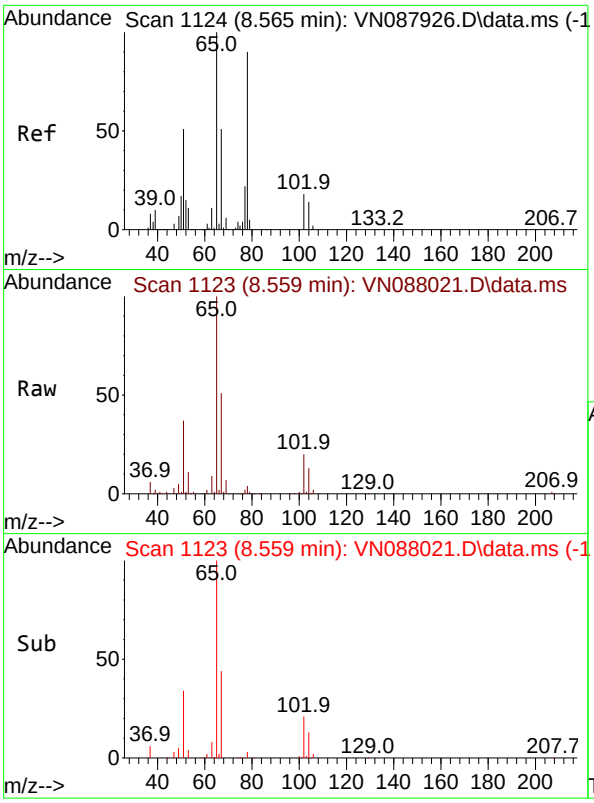


#31
Cyclohexane
Concen: 129.685 ug/l
RT: 8.241 min Scan# 1069
Delta R.T. -0.000 min
Lab File: VN088021.D
Acq: 03 Oct 2025 14:17

Tgt Ion: 56 Resp: 638794

Ion	Ratio	Lower	Upper
56	100		
69	38.9	23.4	35.0#
84	89.4	70.8	106.2

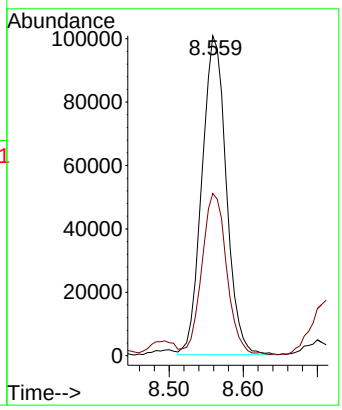




#33
1,2-Dichloroethane-d4
Concen: 52.324 ug/l
RT: 8.559 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN088021.D
Acq: 03 Oct 2025 14:17

Tgt Ion: 65 Resp: 22984

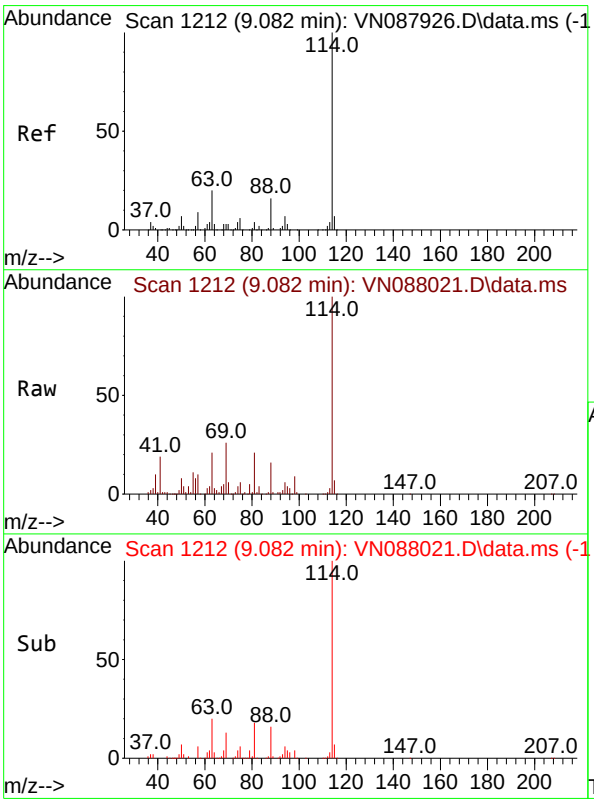
Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	103.4



Instrument :
MSVOA_N
ClientSampleId :
MW4

Manual Integrations
APPROVED

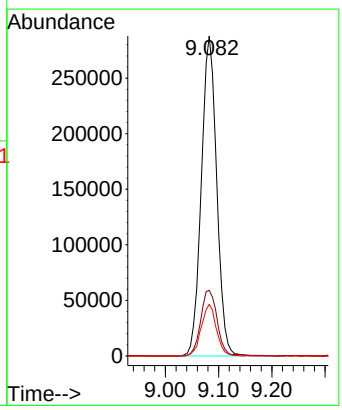
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

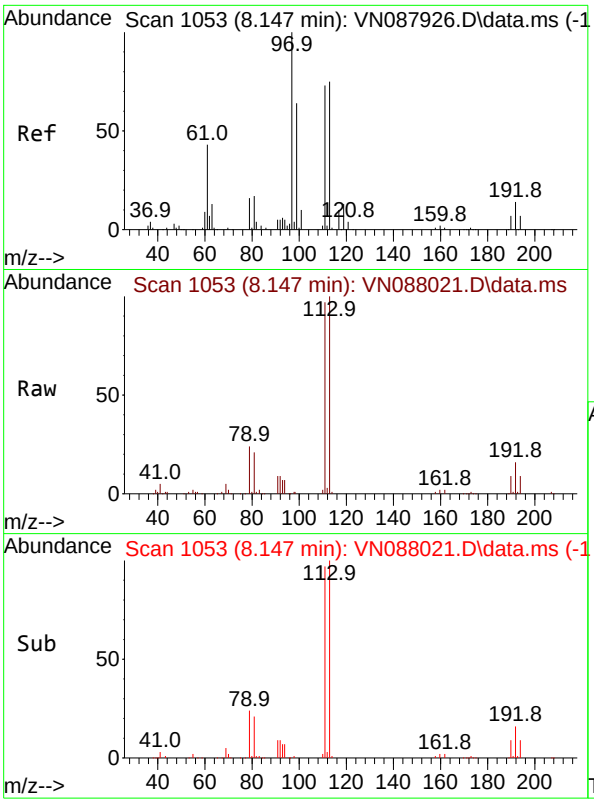


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 1212
Delta R.T. -0.000 min
Lab File: VN088021.D
Acq: 03 Oct 2025 14:17

Tgt Ion:114 Resp: 577276

Ion	Ratio	Lower	Upper
114	100		
63	20.5	0.0	40.0
88	16.1	0.0	31.8

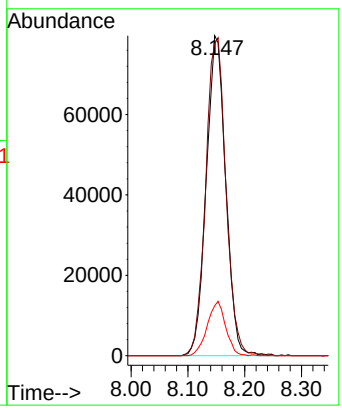




#35
Dibromofluoromethane
Concen: 45.090 ug/l
RT: 8.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088021.D
Acq: 03 Oct 2025 14:17

Tgt Ion:113 Resp: 188989

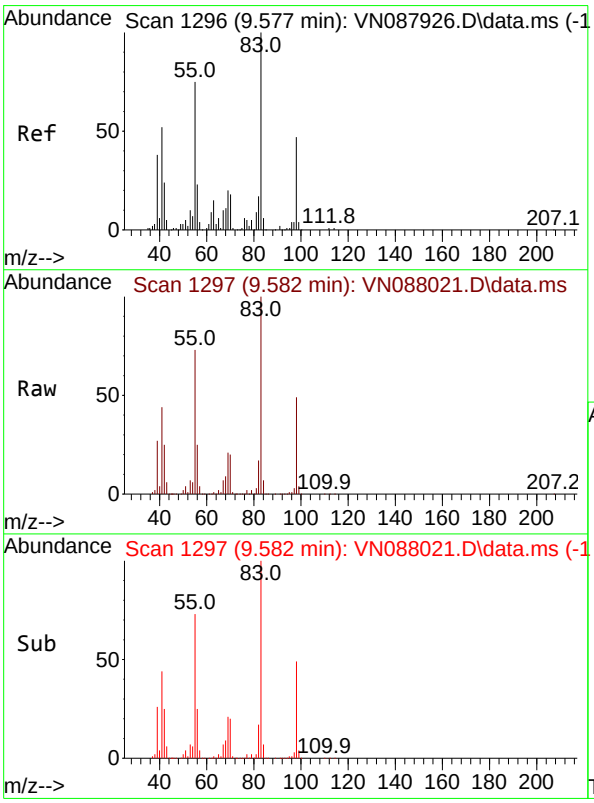
Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.2	123.2
192	16.1	14.2	21.2



Instrument :
MSVOA_N
ClientSampleId :
MW4

Manual Integrations
APPROVED

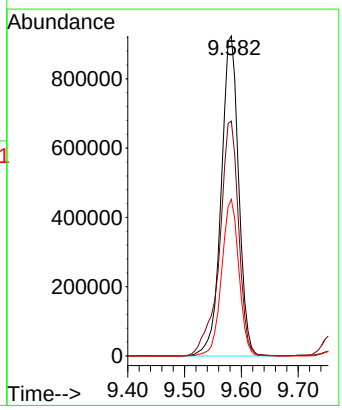
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

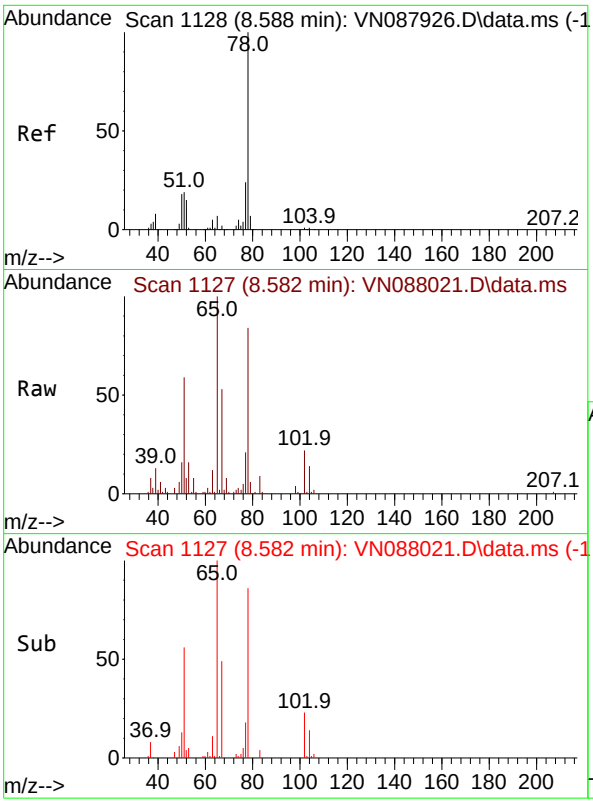


#39
Methylcyclohexane
Concen: 355.926 ug/l
RT: 9.582 min Scan# 1297
Delta R.T. 0.006 min
Lab File: VN088021.D
Acq: 03 Oct 2025 14:17

Tgt Ion: 83 Resp: 1978856

Ion	Ratio	Lower	Upper
83	100		
55	73.4	59.9	89.9
98	48.9	37.4	56.2





#40
Benzene
Concen: 3.796 ug/l
RT: 8.582 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN088021.D
Acq: 03 Oct 2025 14:17

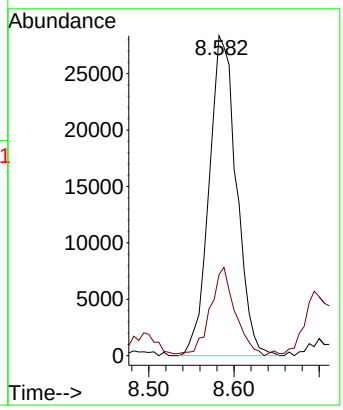
Tgt Ion: 78 Resp: 6334

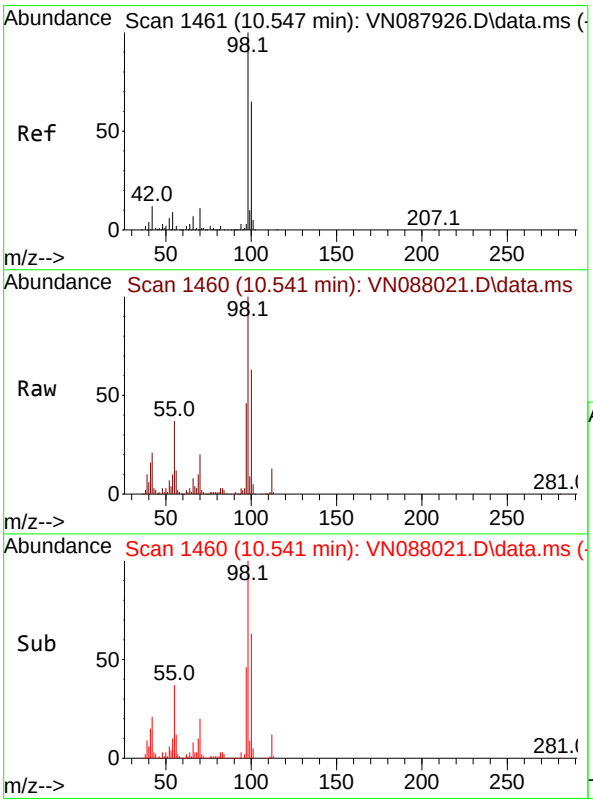
Ion	Ratio	Lower	Upper
78	100		
77	24.8	19.0	28.6

Instrument :
MSVOA_N
ClientSampleId :
MW4

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

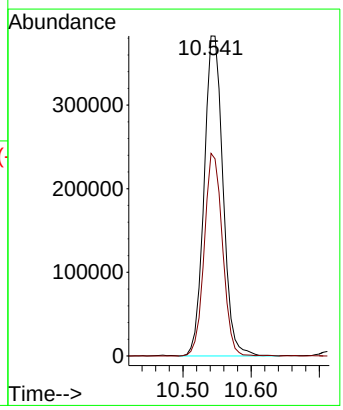


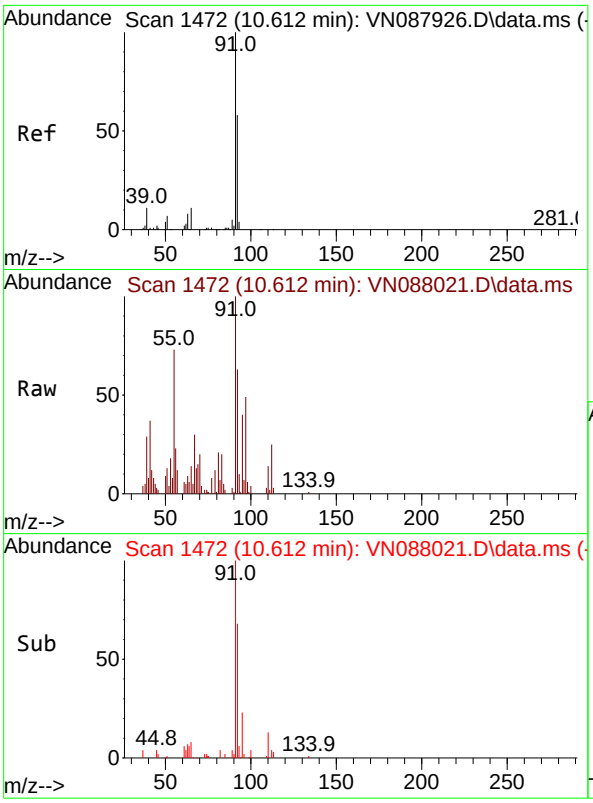


#50
Toluene-d8
Concen: 49.880 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN088021.D
Acq: 03 Oct 2025 14:17

Tgt Ion: 98 Resp: 735191

Ion	Ratio	Lower	Upper
98	100		
100	61.0	51.7	77.5





#52
Toluene
Concen: 1.524 ug/l
RT: 10.612 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN088021.D
Acq: 03 Oct 2025 14:17

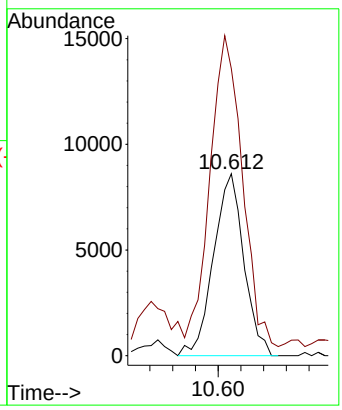
Tgt Ion: 92 Resp: 1596

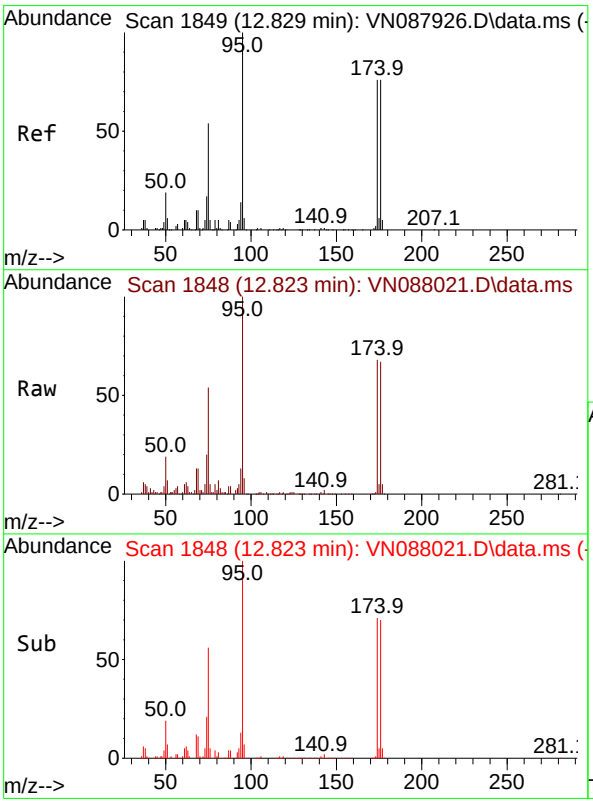
Ion	Ratio	Lower	Upper
92	100		
91	188.5	138.2	207.2

Instrument :
MSVOA_N
ClientSampleId :
MW4

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

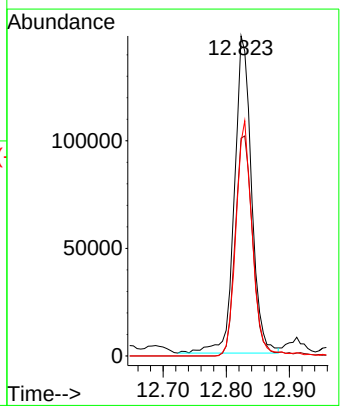


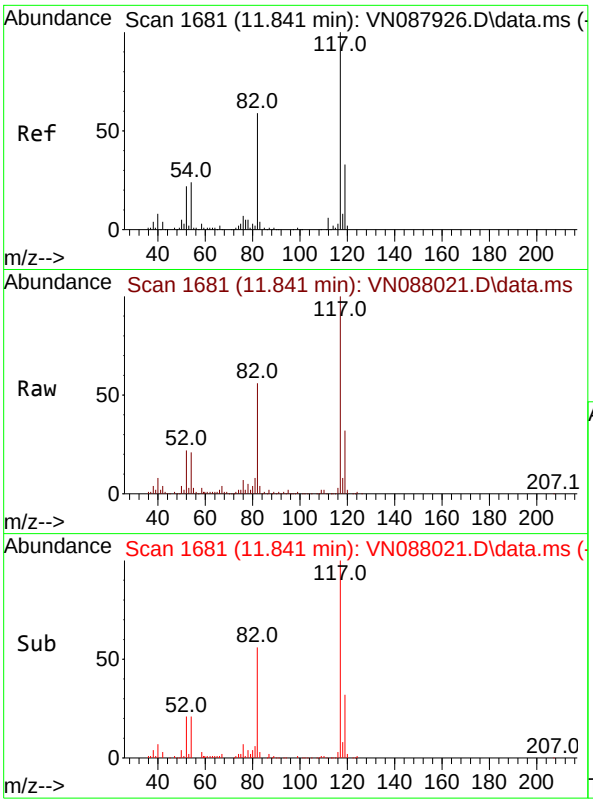


#62
4-Bromofluorobenzene
Concen: 52.912 ug/l
RT: 12.823 min Scan# 1848
Delta R.T. -0.006 min
Lab File: VN088021.D
Acq: 03 Oct 2025 14:17

Tgt Ion: 95 Resp: 278766

Ion	Ratio	Lower	Upper
95	100		
174	70.4	0.0	159.2
176	69.9	0.0	152.6

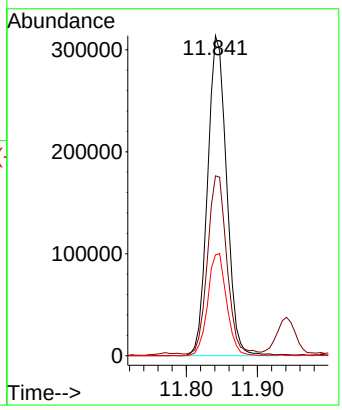




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088021.D
Acq: 03 Oct 2025 14:17

Tgt Ion:117 Resp: 58252

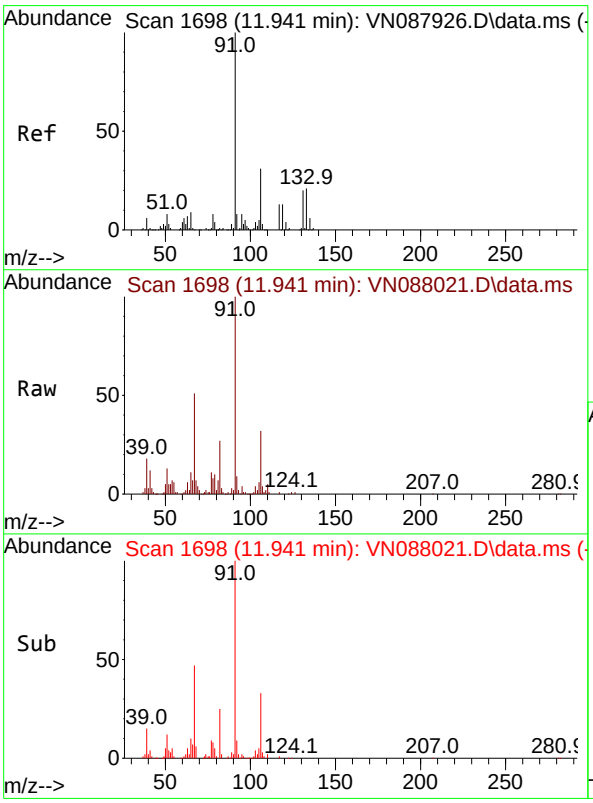
Ion	Ratio	Lower	Upper
117	100		
82	55.5	47.0	70.4
119	31.5	26.1	39.1



Instrument :
MSVOA_N
ClientSampleId :
MW4

Manual Integrations
APPROVED

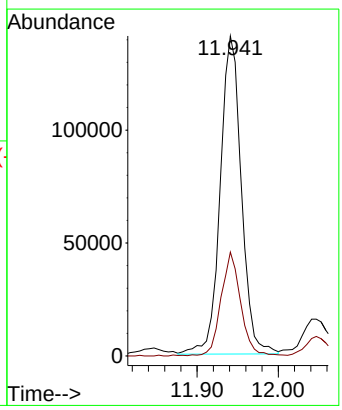
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

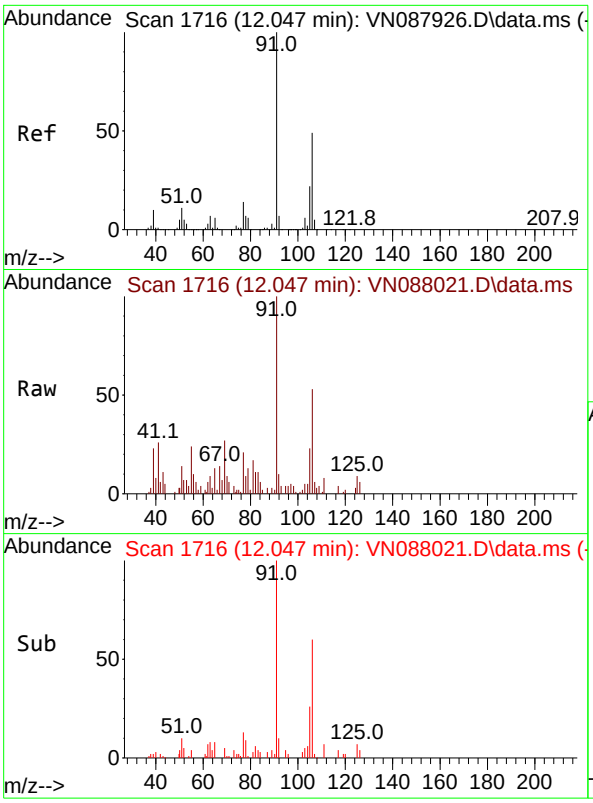


#67
Ethyl Benzene
Concen: 12.354 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VN088021.D
Acq: 03 Oct 2025 14:17

Tgt Ion: 91 Resp: 255552

Ion	Ratio	Lower	Upper
91	100		
106	32.5	25.2	37.8





#68
m/p-Xylenes
Concen: 2.096 ug/l
RT: 12.047 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088021.D
Acq: 03 Oct 2025 14:17

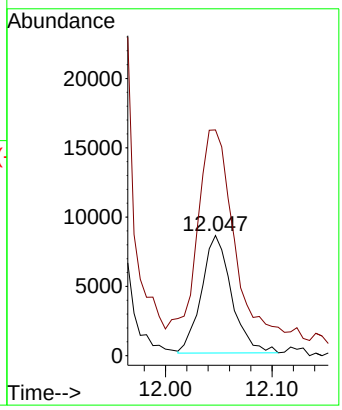
Tgt Ion:106 Resp: 1658

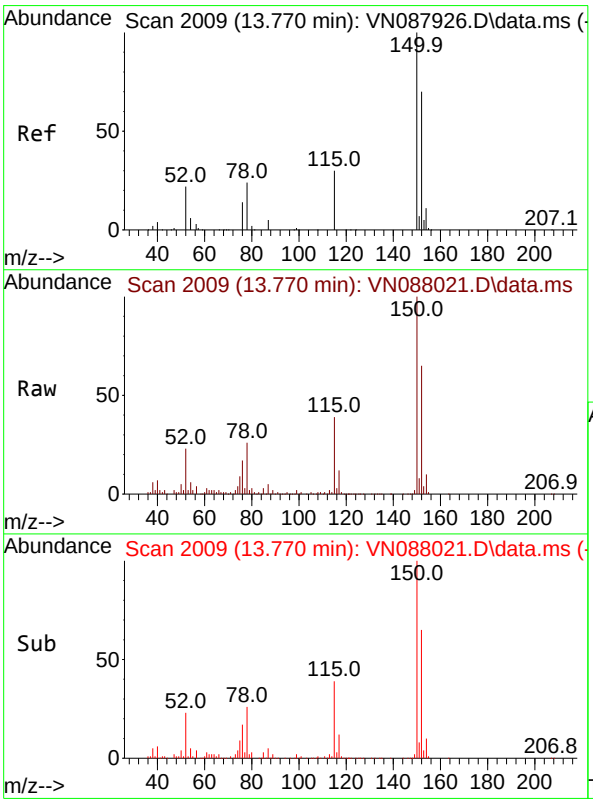
Ion	Ratio	Lower	Upper
106	100		
91	226.6	162.9	244.3

Instrument :
MSVOA_N
ClientSampleId :
MW4

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

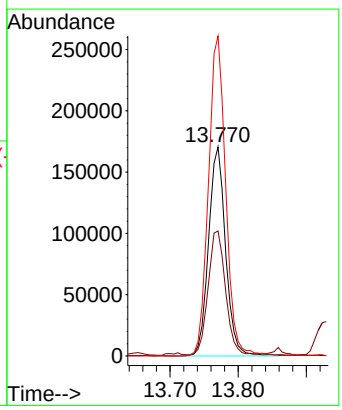


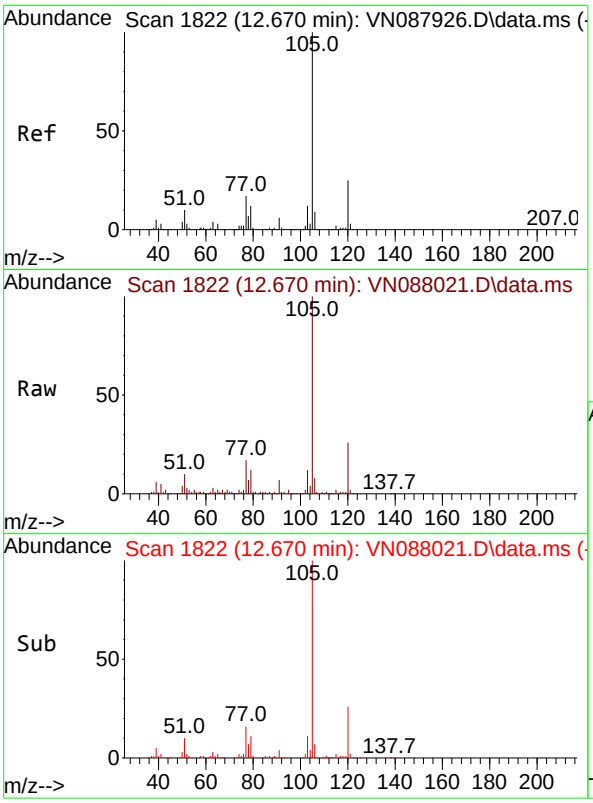


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. -0.000 min
Lab File: VN088021.D
Acq: 03 Oct 2025 14:17

Tgt Ion:152 Resp: 296966

Ion	Ratio	Lower	Upper
152	100		
115	60.1	29.9	89.7
150	155.2	0.0	335.0





#73
Isopropylbenzene
Concen: 20.180 ug/l
RT: 12.670 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088021.D
Acq: 03 Oct 2025 14:17

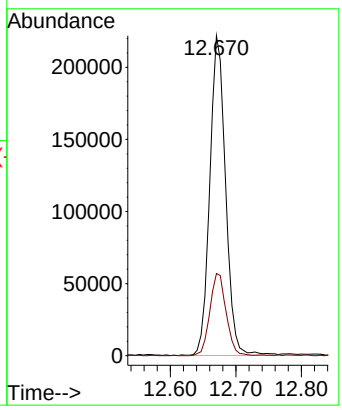
Tgt Ion:105 Resp: 37141

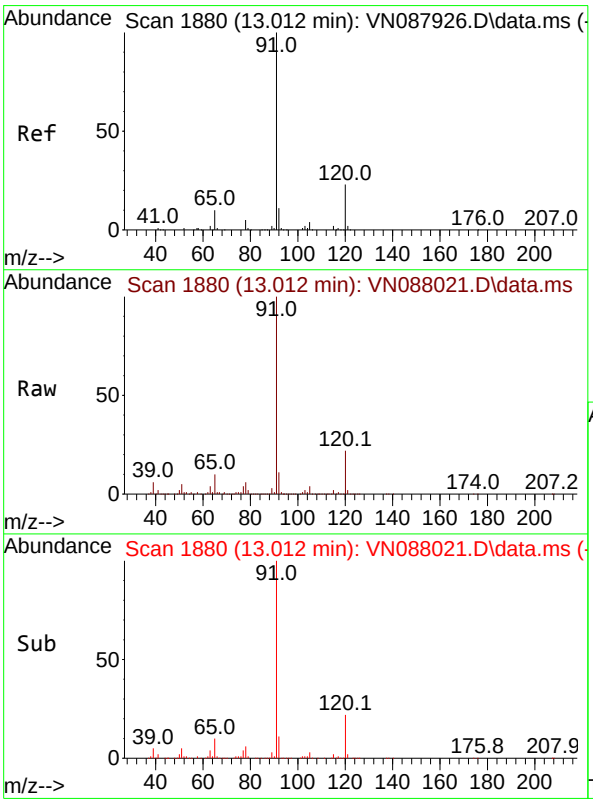
Ion	Ratio	Lower	Upper
105	100		
120	26.4	13.1	39.1

Instrument :
MSVOA_N
ClientSampleId :
MW4

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

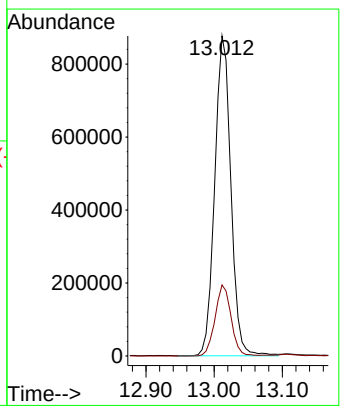


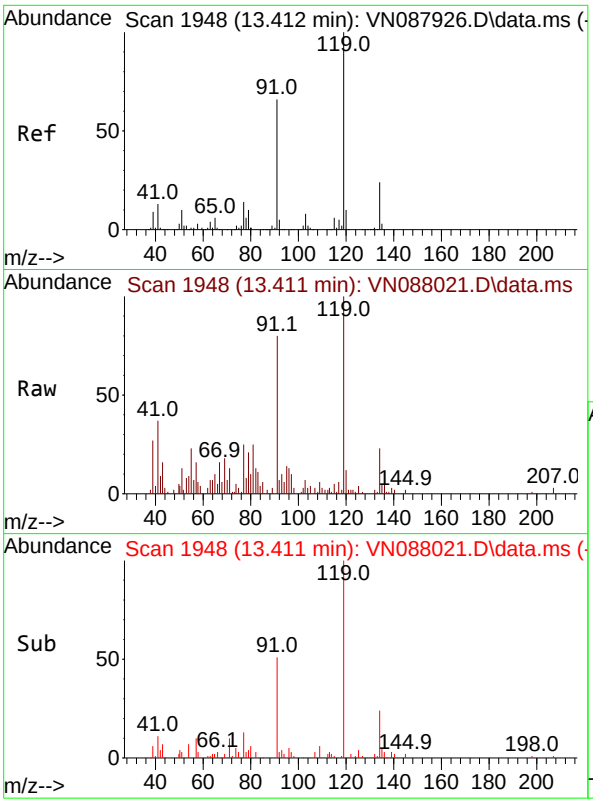


#78
n-propylbenzene
Concen: 62.731 ug/l
RT: 13.012 min Scan# 1880
Delta R.T. -0.000 min
Lab File: VN088021.D
Acq: 03 Oct 2025 14:17

Tgt Ion: 91 Resp: 1443514

Ion	Ratio	Lower	Upper
91	100		
120	22.0	11.1	33.1

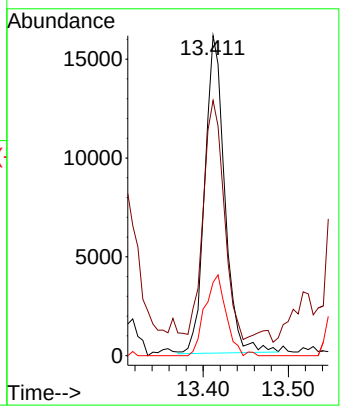




#83
tert-Butylbenzene
Concen: 1.933 ug/l
RT: 13.411 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088021.D
Acq: 03 Oct 2025 14:17

Tgt Ion:119 Resp: 2605

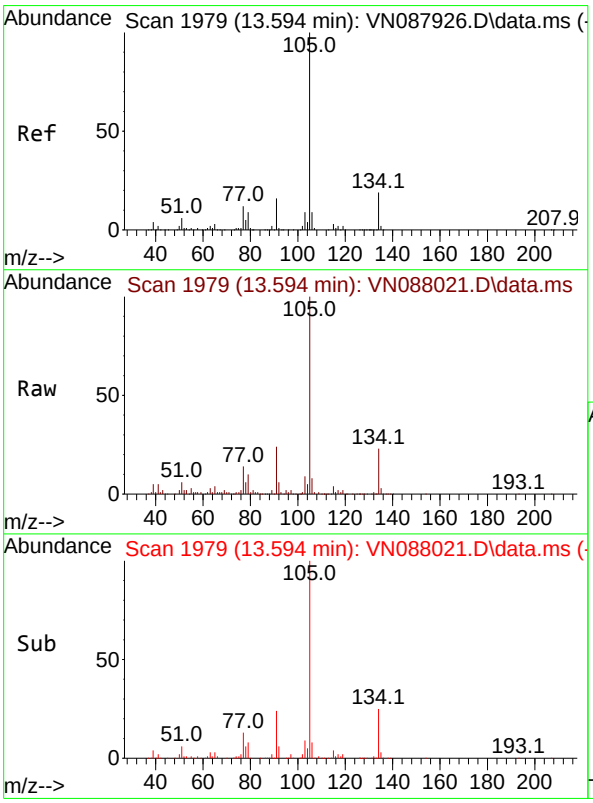
Ion	Ratio	Lower	Upper
119	100		
91	76.6	32.1	96.3
134	27.2	12.3	36.8



Instrument :
MSVOA_N
ClientSampleId :
MW4

Manual Integrations
APPROVED

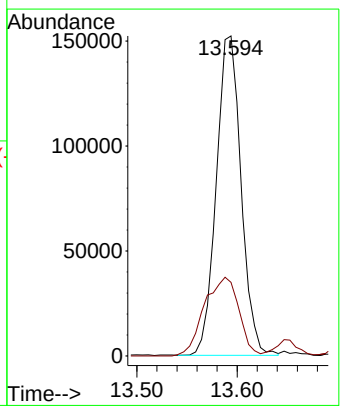
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025



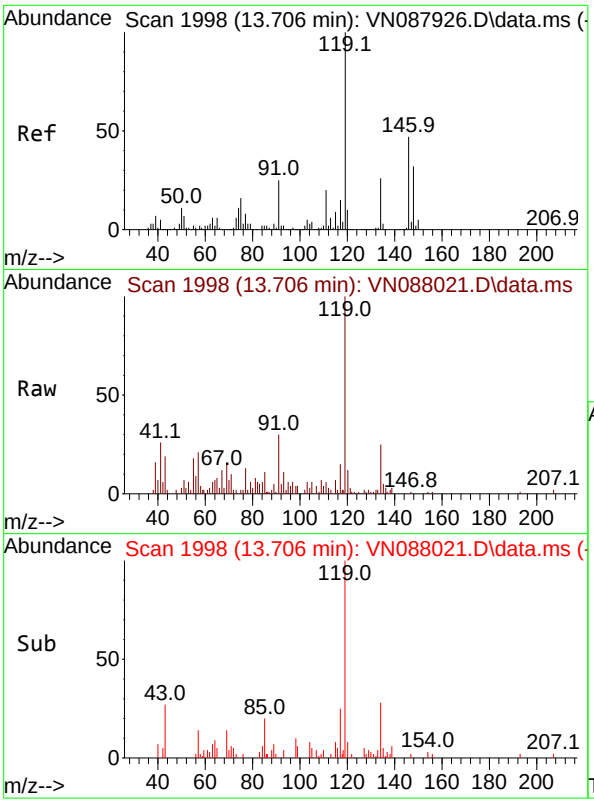
#85
sec-Butylbenzene
Concen: 13.215 ug/l
RT: 13.594 min Scan# 1979
Delta R.T. -0.000 min
Lab File: VN088021.D
Acq: 03 Oct 2025 14:17

Tgt Ion:105 Resp: 261070

Ion	Ratio	Lower	Upper
105	100		
134	34.5	9.6	28.8#



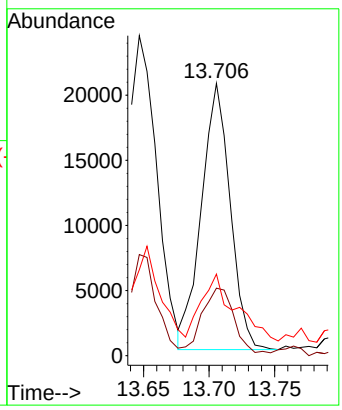
5



#86
p-Isopropyltoluene
Concen: 1.870 ug/l
RT: 13.706 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088021.D
Acq: 03 Oct 2025 14:17

Tgt Ion:119 Resp: 3129

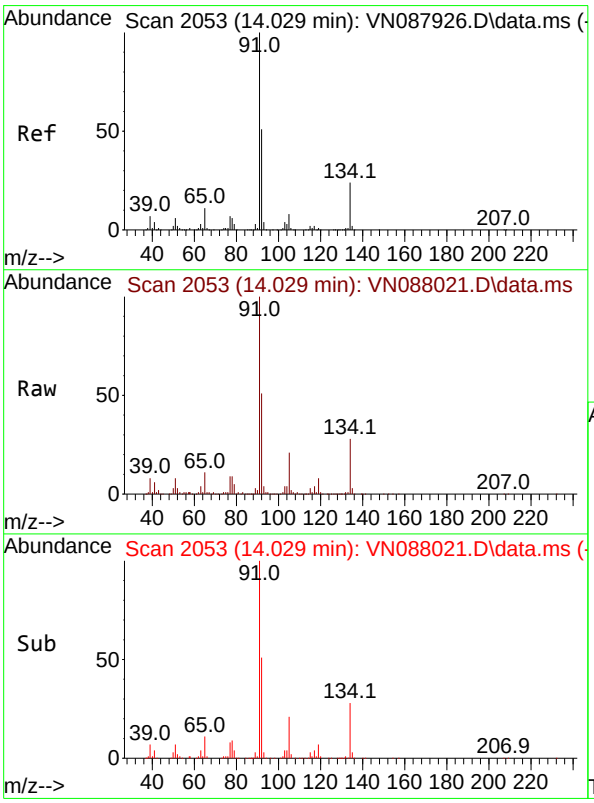
Ion	Ratio	Lower	Upper
119	100		
134	26.8	13.1	39.3
91	30.3	11.9	35.5



Instrument :
MSVOA_N
ClientSampleId :
MW4

Manual Integrations
APPROVED

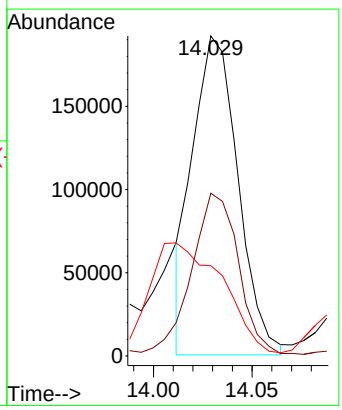
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025



#89
n-Butylbenzene
Concen: 19.362 ug/l m
RT: 14.029 min Scan# 2053
Delta R.T. -0.000 min
Lab File: VN088021.D
Acq: 03 Oct 2025 14:17

Tgt Ion: 91 Resp: 306176

Ion	Ratio	Lower	Upper
91	100		
92	53.0	25.9	77.8
134	58.0	12.6	37.8#



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088021.D
Acq On : 03 Oct 2025 14:17
Operator : JC\MD
Sample : Q3274-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW4

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Title : SW846 8260

Signal : TIC: VN088021.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.265	211	223	239	rBV	709271	1744595	16.12%	1.491%
2	3.653	279	289	304	rBV2	578415	1479024	13.67%	1.264%
3	4.142	364	372	383	rBV3	53565	157319	1.45%	0.134%
4	4.424	407	420	429	rBV3	57196	192600	1.78%	0.165%
5	5.330	551	574	590	rBV2	1050717	4751658	43.90%	4.062%
6	5.800	639	654	673	rBV2	811267	2821603	26.07%	2.412%
7	6.300	726	739	756	rBV2	467824	1464236	13.53%	1.252%
8	6.641	784	797	809	rBV	155607	471053	4.35%	0.403%
9	6.777	809	820	831	rBV4	66805	203656	1.88%	0.174%
10	7.065	857	869	884	rBV6	95576	311476	2.88%	0.266%
11	7.206	884	893	900	rVV4	74053	219275	2.03%	0.187%
12	7.312	900	911	935	rVV	1477667	4427683	40.91%	3.785%
13	7.912	1005	1013	1019	rBV3	69584	185027	1.71%	0.158%
14	7.988	1019	1026	1035	rVB3	134750	341963	3.16%	0.292%
15	8.147	1043	1053	1057	rBV	270438	654957	6.05%	0.560%
16	8.235	1057	1068	1075	rVV3	1117910	4393346	40.59%	3.755%
17	8.312	1075	1081	1091	rVB3	428223	1137433	10.51%	0.972%
18	8.429	1091	1101	1107	rBV	720218	1686808	15.59%	1.442%
19	8.494	1107	1112	1118	rVB2	255191	510012	4.71%	0.436%
20	8.565	1118	1124	1137	rVB2	269300	728500	6.73%	0.623%
21	8.700	1138	1147	1153	rBV2	859783	2087601	19.29%	1.784%
22	8.771	1153	1159	1164	rVV	757904	1563769	14.45%	1.337%
23	8.835	1164	1170	1179	rVB	1145370	2554975	23.61%	2.184%
24	8.947	1179	1189	1200	rVB3	211962	562519	5.20%	0.481%
25	9.082	1202	1212	1219	rBV3	1061618	2508435	23.18%	2.144%
26	9.241	1234	1239	1245	rVB	81365	149242	1.38%	0.128%
27	9.312	1245	1251	1256	rBV	128024	247697	2.29%	0.212%
28	9.365	1256	1260	1276	rVB2	93736	208805	1.93%	0.178%
29	9.582	1278	1297	1313	rBV	4465145	10822687	100.00%	9.251%
30	9.759	1313	1327	1334	rBV	668536	1350656	12.48%	1.155%
31	9.847	1334	1342	1348	rVB	230679	458236	4.23%	0.392%
32	9.918	1348	1354	1355	rBV	101376	153579	1.42%	0.131%
33	9.982	1361	1365	1375	rVB2	258429	538605	4.98%	0.460%
34	10.082	1375	1382	1387	rBV2	487073	930795	8.60%	0.796%
35	10.182	1394	1399	1403	rBV2	142942	242037	2.24%	0.207%
36	10.318	1413	1422	1434	rBV4	282287	718930	6.64%	0.615%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088021.D
Acq On : 03 Oct 2025 14:17
Operator : JC\MD
Sample : Q3274-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW4

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Title : SW846 8260

37	10.429	1434	1441	1446	rBV	268929	532084	4.92%	0.455%
38	10.547	1453	1461	1466	rBV	1790622	3514673	32.48%	3.004%
39	10.729	1484	1492	1499	rVB5	527828	1328271	12.27%	1.135%
40	10.888	1513	1519	1525	rBV	538618	956750	8.84%	0.818%
41	10.965	1525	1532	1542	rVB4	532678	1496457	13.83%	1.279%
42	11.059	1542	1548	1554	rVB6	71681	190725	1.76%	0.163%
43	11.147	1554	1563	1569	rBV6	96738	248858	2.30%	0.213%
44	11.235	1571	1578	1581	rBV4	142608	299154	2.76%	0.256%
45	11.276	1581	1585	1588	rVV2	149333	224928	2.08%	0.192%
46	11.318	1588	1592	1595	rVV3	167742	278155	2.57%	0.238%
47	11.359	1595	1599	1601	rVV2	222988	390480	3.61%	0.334%
48	11.394	1601	1605	1610	rVV	522148	918621	8.49%	0.785%
49	11.447	1610	1614	1619	rVB2	238891	402920	3.72%	0.344%
50	11.553	1627	1632	1637	rVB3	132001	224013	2.07%	0.191%
51	11.653	1645	1649	1657	rVB4	146763	271742	2.51%	0.232%
52	11.765	1664	1668	1674	rVB5	73104	147922	1.37%	0.126%
53	11.841	1674	1681	1688	rBV	1059323	2014911	18.62%	1.722%
54	11.941	1693	1698	1704	rVV	561685	1017790	9.40%	0.870%
55	12.017	1708	1711	1718	rVV6	85156	214131	1.98%	0.183%
56	12.088	1718	1723	1735	rVB6	153294	447942	4.14%	0.383%
57	12.253	1746	1751	1761	rVB7	54200	148612	1.37%	0.127%
58	12.353	1761	1768	1775	rBV4	98401	257932	2.38%	0.220%
59	12.453	1782	1785	1790	rVB3	94037	155083	1.43%	0.133%
60	12.559	1790	1803	1807	rBV5	184293	568997	5.26%	0.486%
61	12.670	1817	1822	1828	rBV	513875	832765	7.69%	0.712%
62	12.823	1843	1848	1859	rVB	726499	1382553	12.77%	1.182%
63	13.012	1872	1880	1887	rBV	1798318	3007437	27.79%	2.571%
64	13.147	1894	1903	1910	rVB7	62059	198285	1.83%	0.169%
65	13.312	1923	1931	1938	rBV	137500	328842	3.04%	0.281%
66	13.406	1945	1947	1954	rVB3	81763	142777	1.32%	0.122%
67	13.588	1969	1978	1984	rBV2	412715	980544	9.06%	0.838%
68	13.647	1984	1988	1993	rVV4	105796	179551	1.66%	0.153%
69	13.770	2003	2009	2016	rVV	1036931	1855475	17.14%	1.586%
70	13.859	2018	2024	2029	rVB	102916	184990	1.71%	0.158%
71	13.923	2029	2035	2039	rBV	1223889	2027566	18.73%	1.733%
72	13.970	2039	2043	2047	rVV	1388429	2400737	22.18%	2.052%
73	14.011	2047	2050	2059	rVV2	696419	1710466	15.80%	1.462%
74	14.094	2059	2064	2070	rVV	339914	539494	4.98%	0.461%
75	14.159	2071	2075	2081	rVV	94753	145638	1.35%	0.124%
76	14.217	2081	2085	2092	rVB	87638	149170	1.38%	0.128%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088021.D
Acq On : 03 Oct 2025 14:17
Operator : JC\MD
Sample : Q3274-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW4

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Title : SW846 8260

77	14.306	2093	2100	2106	rBV	3377712	5326488	49.22%	4.553%
78	14.370	2106	2111	2114	rVV	610175	1013061	9.36%	0.866%
79	14.417	2114	2119	2126	rVV2	2062576	3637534	33.61%	3.109%
80	14.488	2126	2131	2135	rVV5	99200	152758	1.41%	0.131%
81	14.553	2138	2142	2146	rVV2	128023	201117	1.86%	0.172%
82	14.629	2146	2155	2164	rVB	1936069	3258762	30.11%	2.786%
83	14.711	2164	2169	2172	rBV	193758	288801	2.67%	0.247%
84	14.853	2184	2193	2196	rVV2	141861	288856	2.67%	0.247%
85	14.900	2196	2201	2213	rVB	1422479	2707694	25.02%	2.314%
86	15.023	2213	2222	2228	rBV3	2427287	5708313	52.74%	4.879%
87	15.076	2228	2231	2238	rVB2	179428	381515	3.53%	0.326%
88	15.182	2244	2249	2255	rBV3	108515	196790	1.82%	0.168%
89	15.288	2255	2267	2272	rVV2	768739	1971012	18.21%	1.685%
90	15.335	2272	2275	2280	rVV	357871	606760	5.61%	0.519%
91	15.411	2280	2288	2298	rVB3	737199	1828729	16.90%	1.563%
92	15.558	2308	2313	2320	rVB3	76018	144670	1.34%	0.124%
93	15.670	2326	2332	2336	rBV2	118464	227234	2.10%	0.194%
94	15.717	2336	2340	2344	rBV4	159791	290066	2.68%	0.248%
95	15.911	2366	2373	2381	rBV	293323	611374	5.65%	0.523%
96	16.094	2395	2404	2409	rBV2	221343	597465	5.52%	0.511%
97	16.223	2421	2426	2431	rBV	95588	195160	1.80%	0.167%
98	16.311	2433	2441	2448	rVB4	160460	385014	3.56%	0.329%
99	16.470	2459	2468	2480	rBV3	180534	443898	4.10%	0.379%
100	16.747	2507	2515	2522	rVV2	552660	1227989	11.35%	1.050%

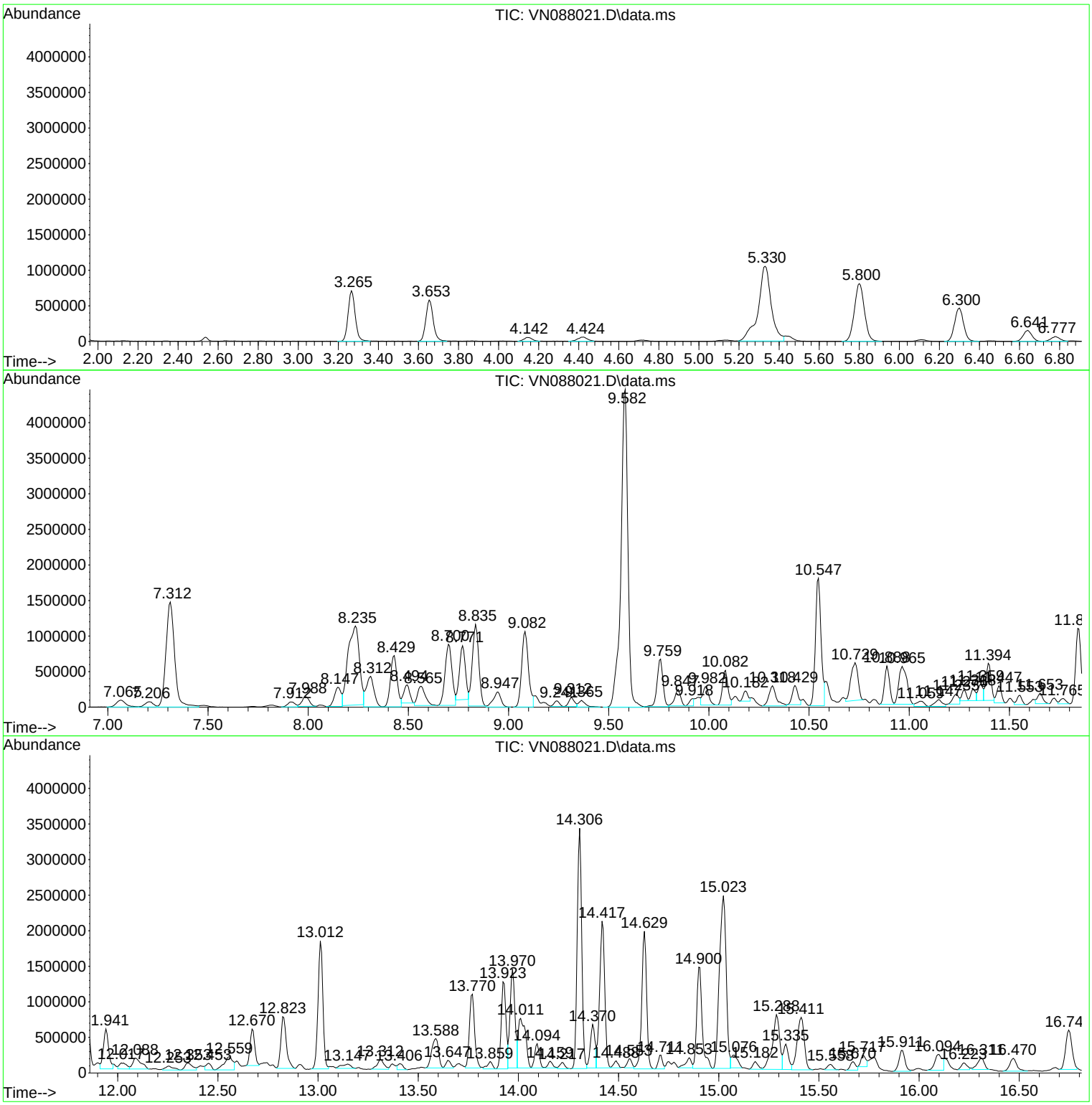
Sum of corrected areas: 116989293

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088021.D
Acq On : 03 Oct 2025 14:17
Operator : JC\MD
Sample : Q3274-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088021.D
Acq On : 03 Oct 2025 14:17
Operator : JC\MD
Sample : Q3274-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW4

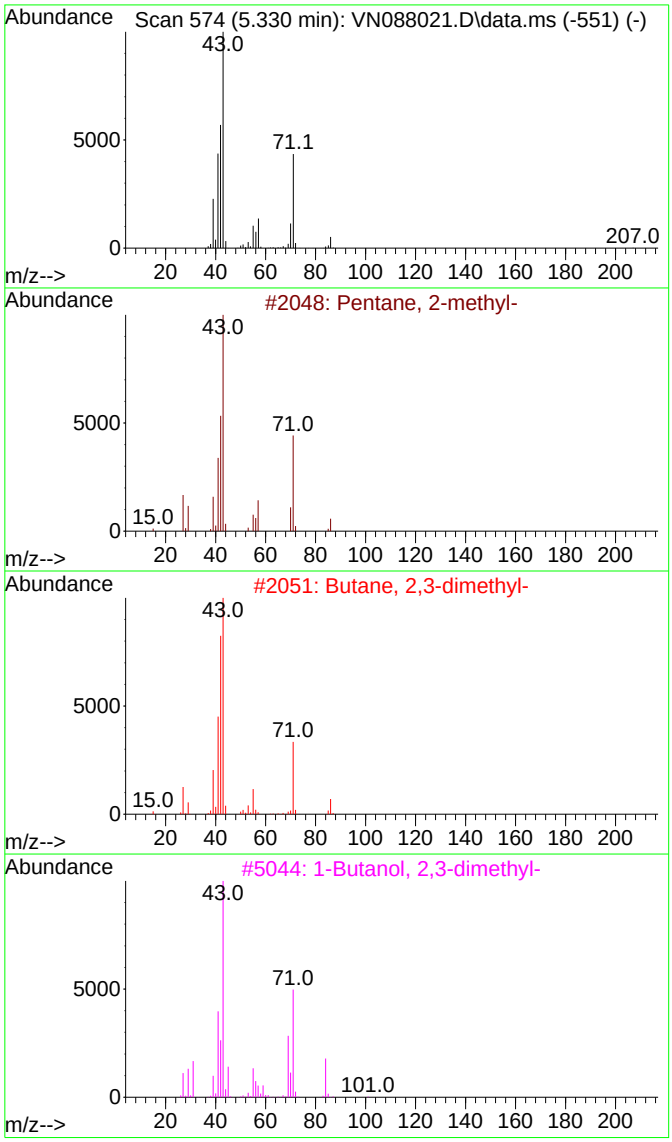
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260

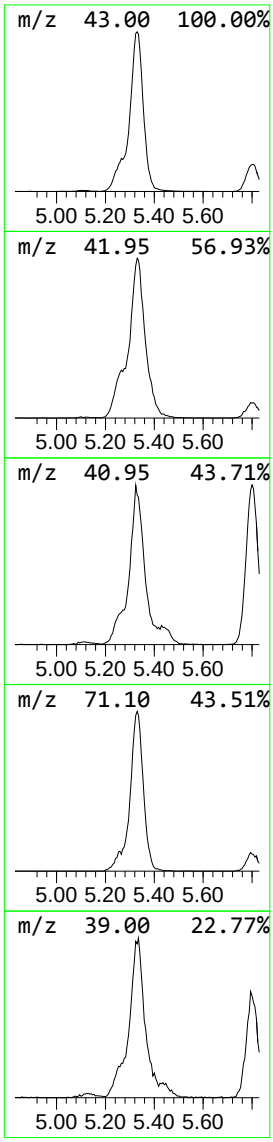
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 1 Pentane, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.330	54.08 ug/l	4751660	Pentafluorobenzene	8.212

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	91
2	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	58
3	1-Butanol, 2,3-dimethyl-	102	C6H14O	019550-30-2	42
4	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	38
5	N-Vinylformamide	71	C3H5NO	013162-05-5	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088021.D
Acq On : 03 Oct 2025 14:17
Operator : JC\MD
Sample : Q3274-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW4

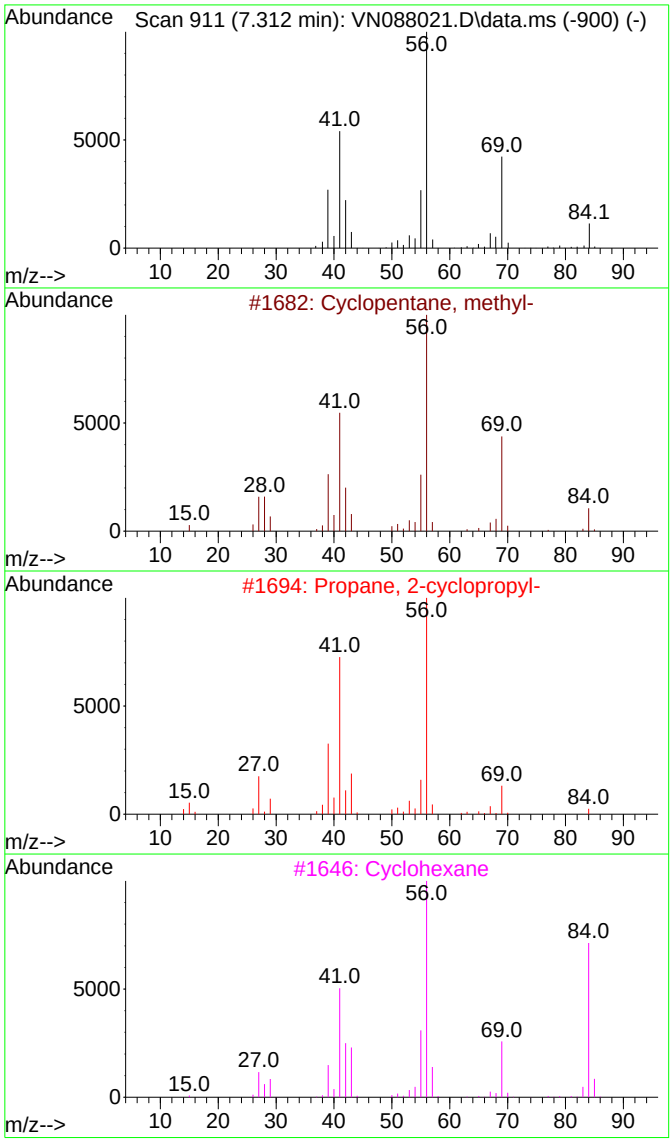
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260

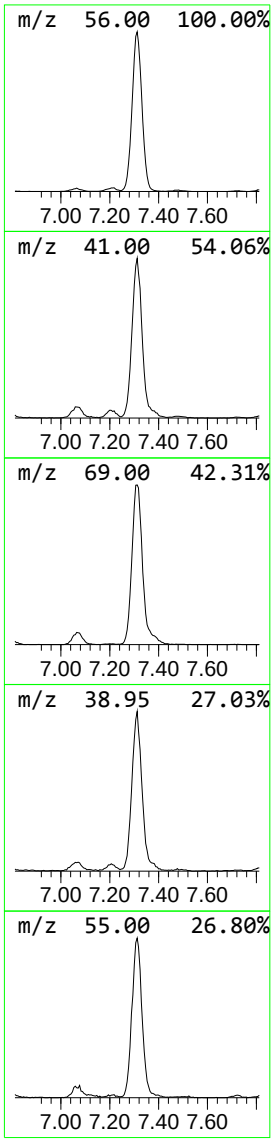
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Cyclopentane, methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.312	50.39 ug/l	4427680	Pentafluorobenzene	8.212

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	94
2	Propane, 2-cyclopropyl-	84	C6H12	003638-35-5	80
3	Cyclohexane	84	C6H12	000110-82-7	78
4	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	72
5	Cyclobutane, ethyl-	84	C6H12	004806-61-5	64





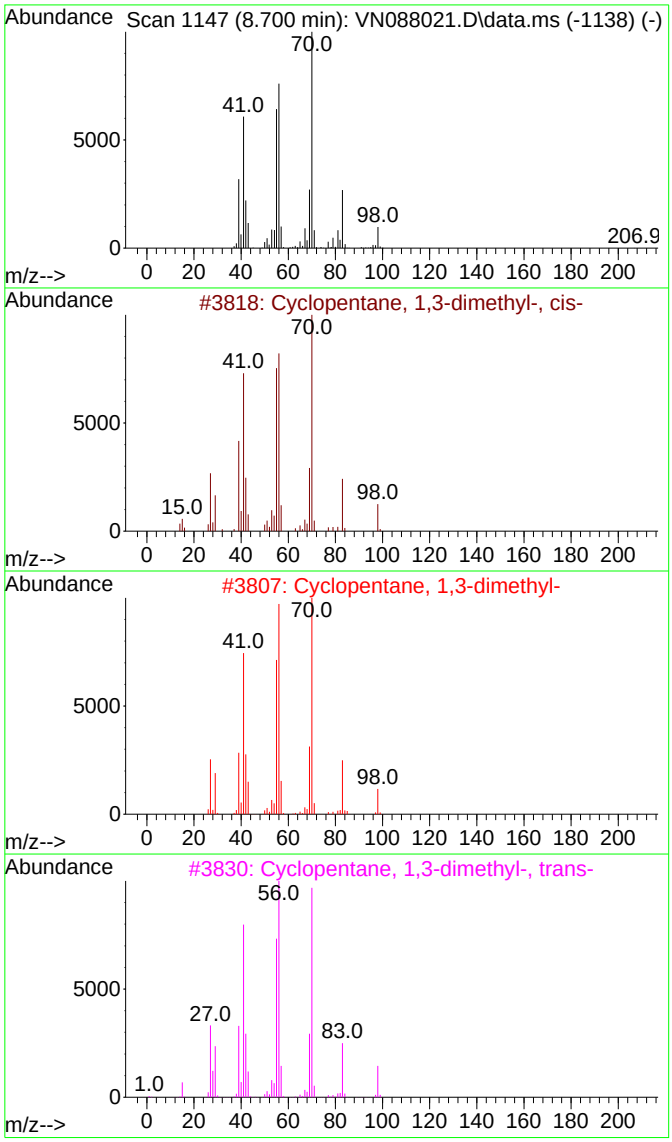
```
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088021.D
Acq On    : 03 Oct 2025  14:17
Operator  : JC\MD
Sample    : Q3274-01
Misc      : 5.0mL/MSVOA_N/WATER
ALS Vial  : 12   Sample Multiplier: 1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title  : SW846 8260

TIC Library   : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P
```

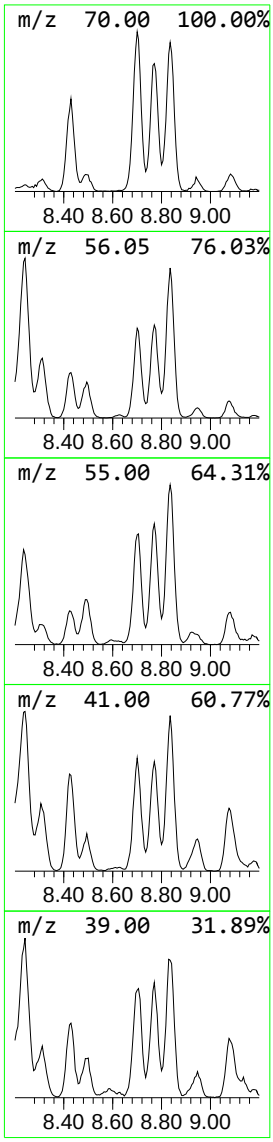
Instrument :
MSVOA_N
ClientSampleId :
MW4

Peak Number 3 Cyclopentane, 1,3-dimethyl-... Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.700	41.61 ug/l	2087600	1,4-Difluorobenzene	9.082

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	95
2	Cyclopentane, 1,3-dimethyl-	98	C7H14	002453-00-1	90
3	Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	90
4	Cyclopentane, 1,2-dimethyl-, cis-	98	C7H14	001192-18-3	70
5	Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	58





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088021.D
Acq On : 03 Oct 2025 14:17
Operator : JC\MD
Sample : Q3274-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW4

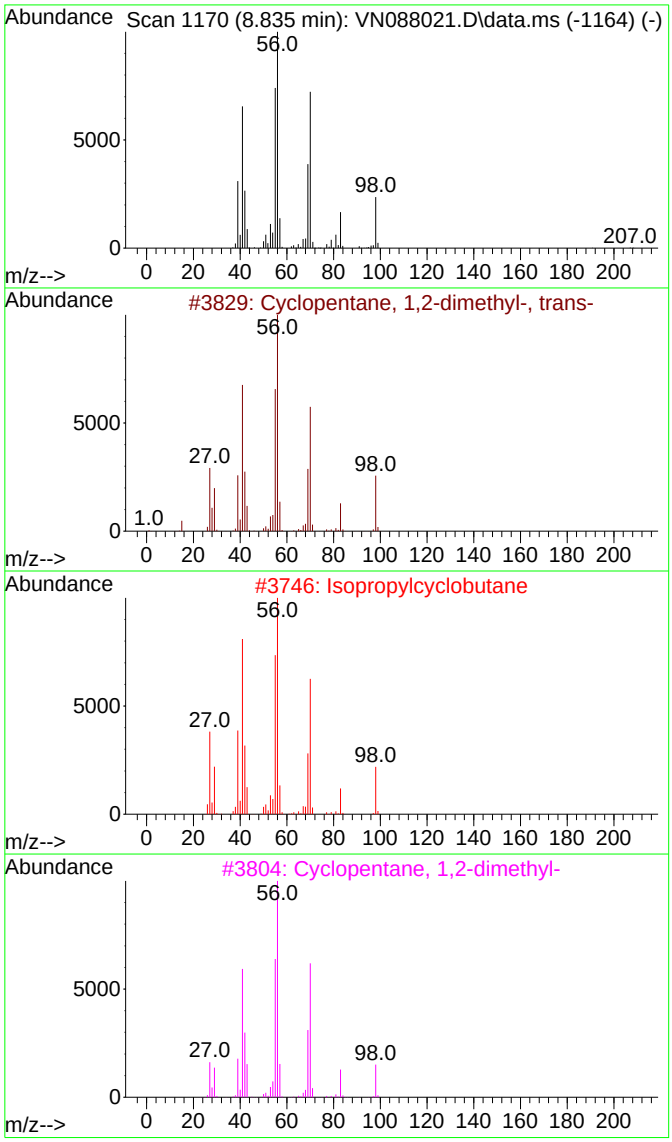
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260

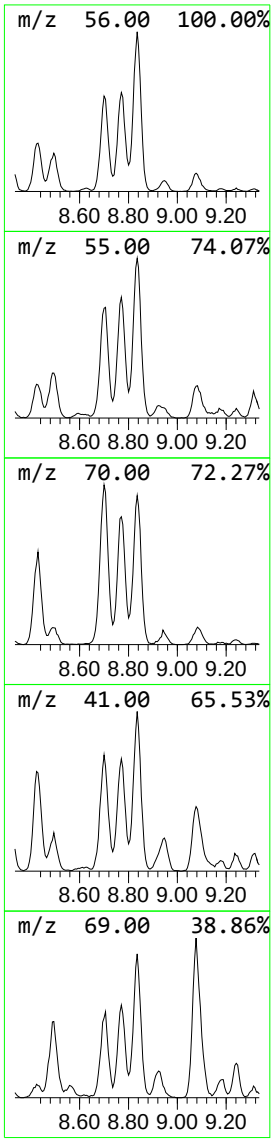
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 Cyclopentane, 1,2-dimethyl-... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.835	50.93 ug/l	2554980	1,4-Difluorobenzene	9.082

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	94
2	Isopropylcyclobutane	98	C7H14	000872-56-0	94
3	Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	87
4	1-Heptene	98	C7H14	000592-76-7	86
5	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	80





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088021.D
Acq On : 03 Oct 2025 14:17
Operator : JC\MD
Sample : Q3274-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260

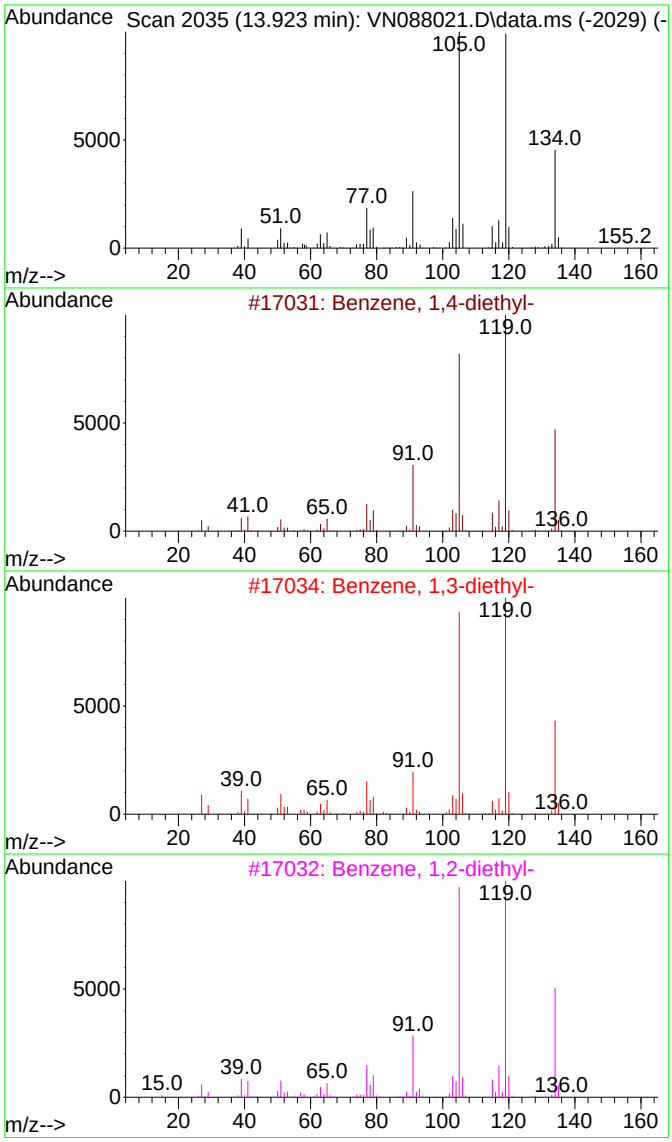
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

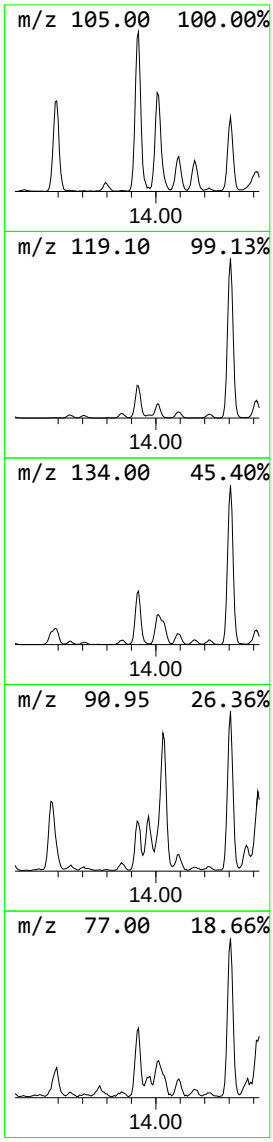
****

Peak Number 6 Benzene, 1,4-diethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.923	54.64 ug/l	2027570	1,4-Dichlorobenzene-d4	13.770

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	97
2	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	96
3	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088021.D
Acq On : 03 Oct 2025 14:17
Operator : JC\MD
Sample : Q3274-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW4

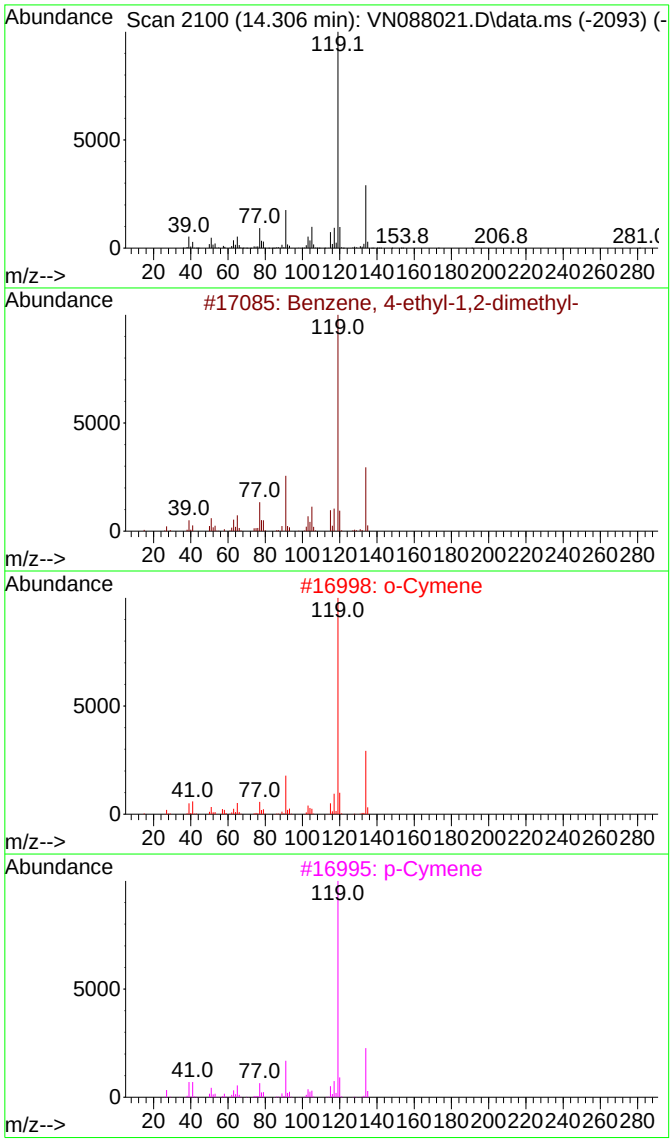
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260

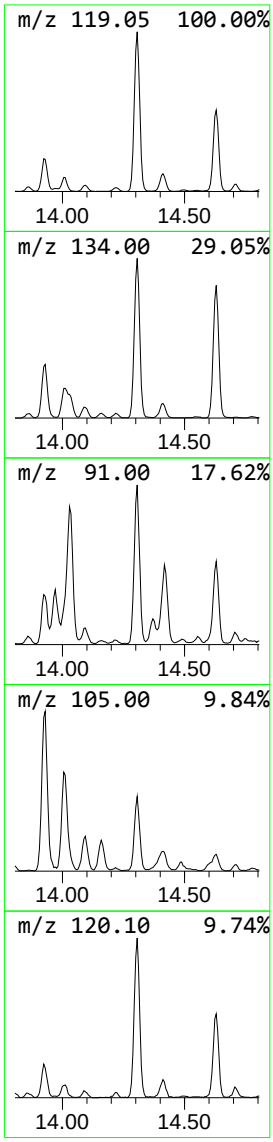
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.306	143.53 ug/l	5326490	1,4-Dichlorobenzene-d4	13.770

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
2	o-Cymene	134	C10H14	000527-84-4	95
3	p-Cymene	134	C10H14	000099-87-6	95
4	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088021.D
Acq On : 03 Oct 2025 14:17
Operator : JC\MD
Sample : Q3274-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW4

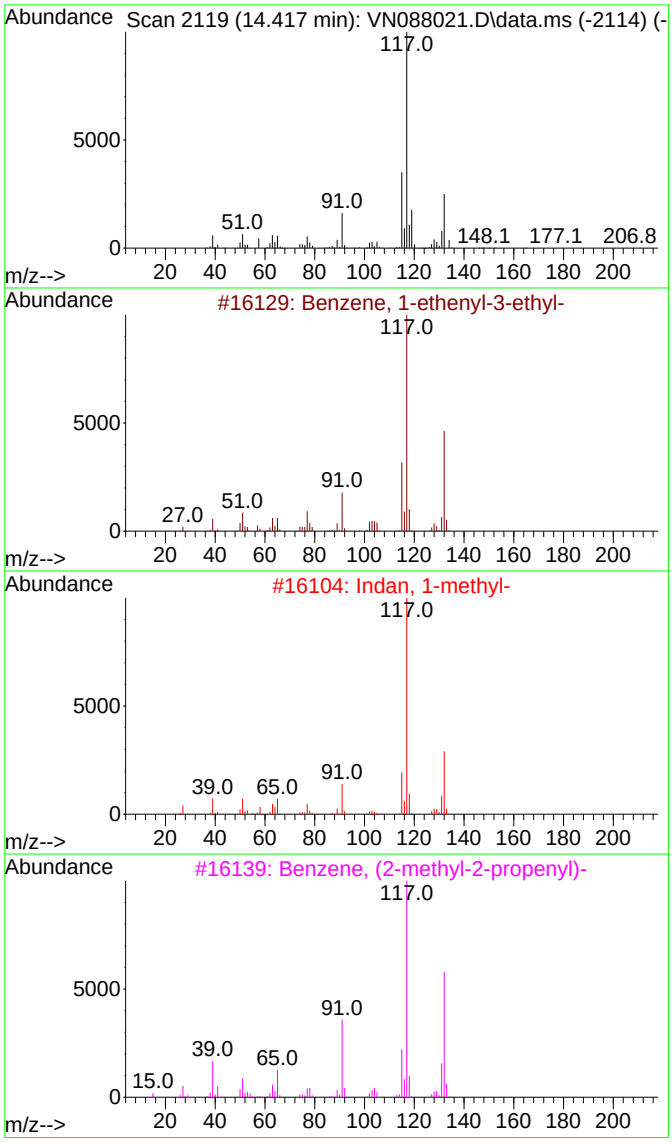
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260

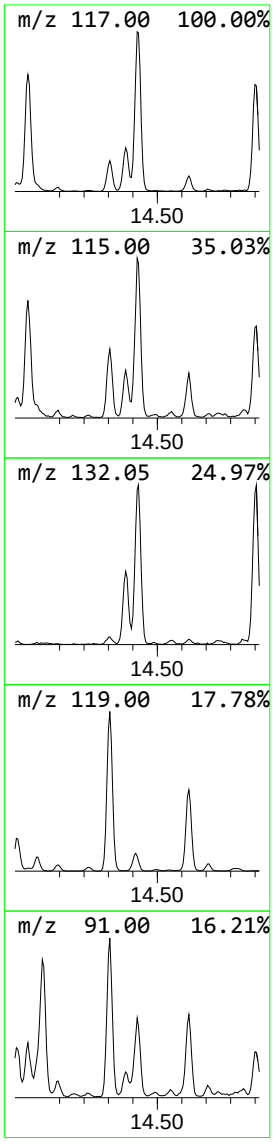
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 9 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.417	98.02 ug/l	3637530	1,4-Dichlorobenzene-d4	13.770

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	87
2	Indan, 1-methyl-	132	C10H12	000767-58-8	81
3	Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	80
4	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	74
5	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	72





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088021.D
Acq On : 03 Oct 2025 14:17
Operator : JC\MD
Sample : Q3274-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW4

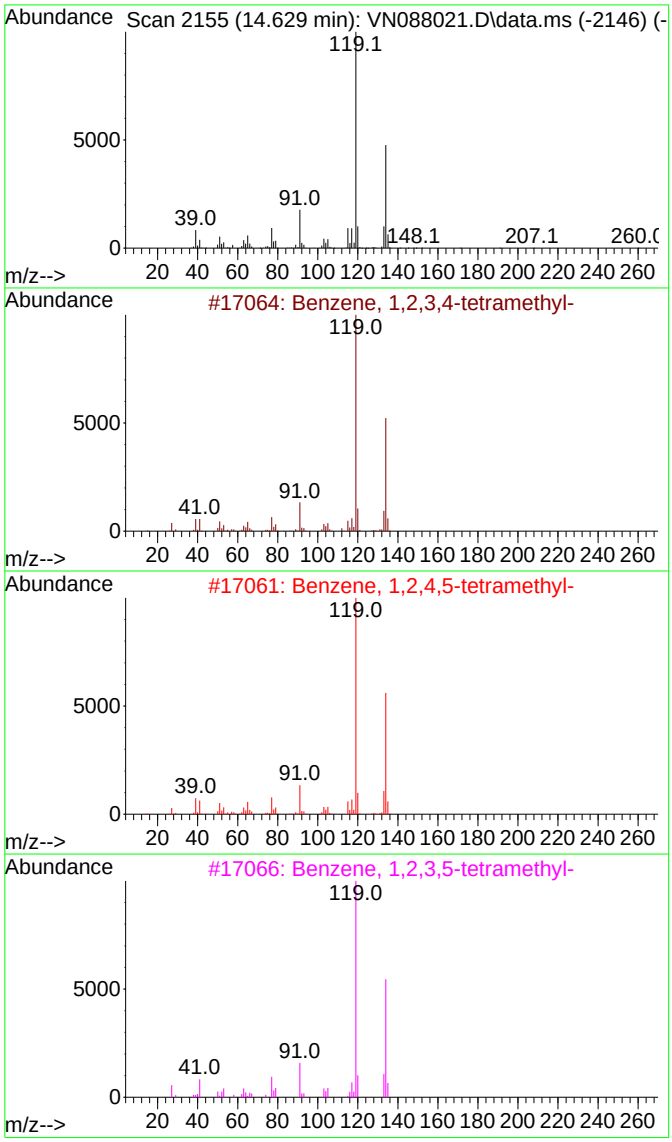
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260

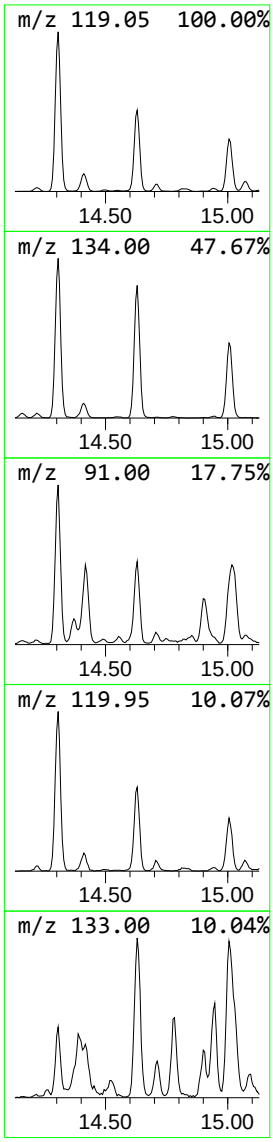
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.629	87.81 ug/l	3258760	1,4-Dichlorobenzene-d4	13.770

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	96
3	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	96
4	o-Cymene	134	C10H14	000527-84-4	95
5	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088021.D
Acq On : 03 Oct 2025 14:17
Operator : JC\MD
Sample : Q3274-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW4

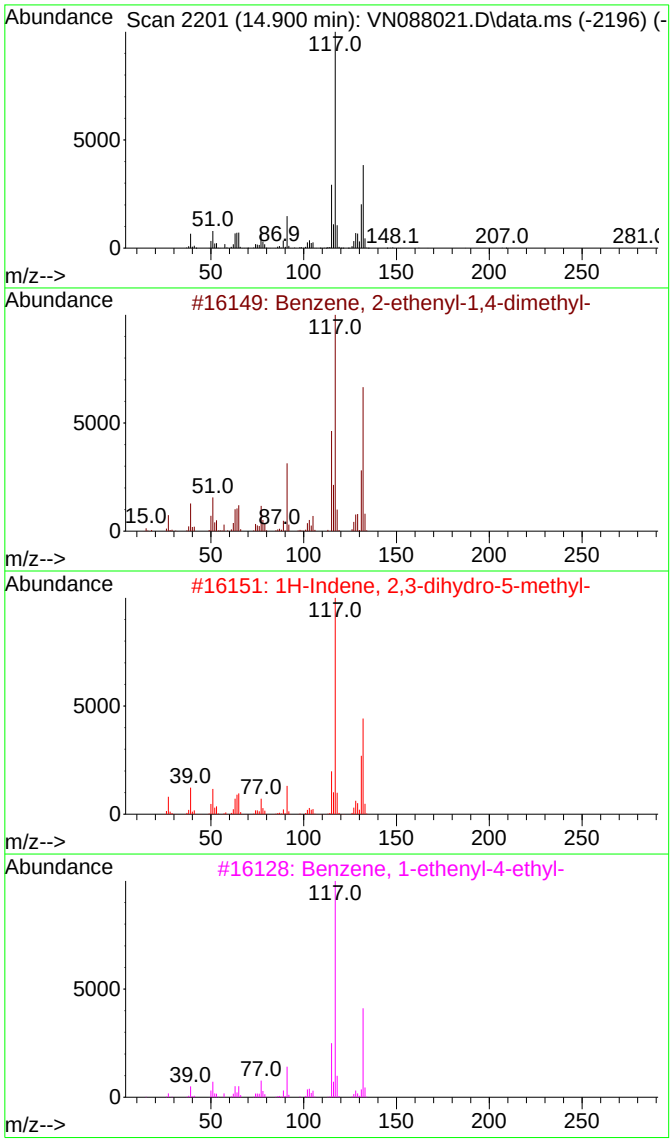
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260

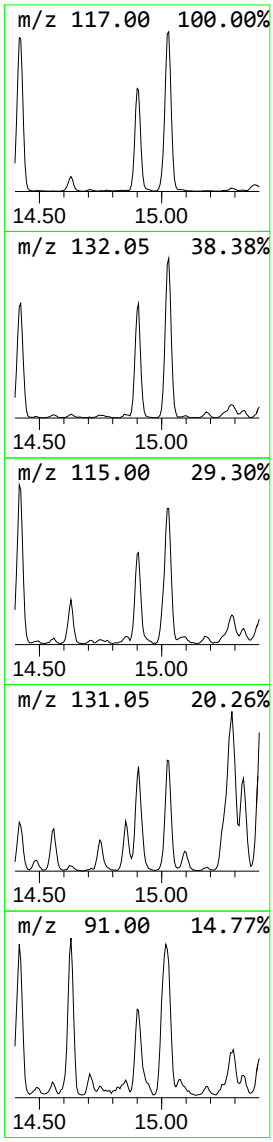
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.900	72.97 ug/l	2707690	1,4-Dichlorobenzene-d4	13.770

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	96
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	94
3	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	91
4	3-Phenylbut-1-ene	132	C10H12	000934-10-1	91
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088021.D
Acq On : 03 Oct 2025 14:17
Operator : JC\MD
Sample : Q3274-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW4

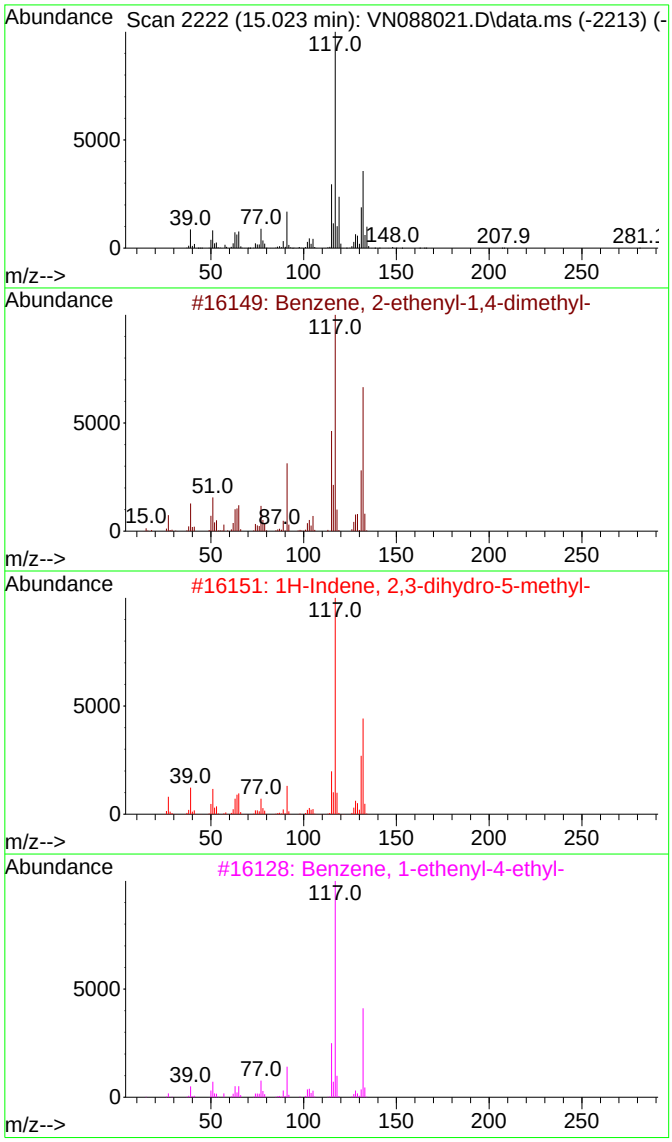
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260

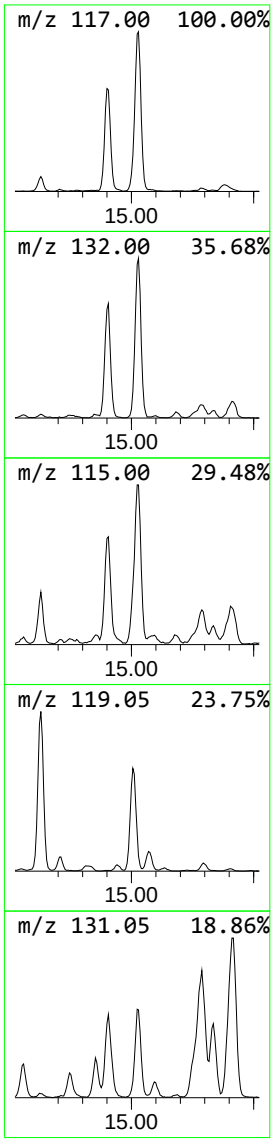
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 1H-Indene, 2,3-dihydro-5-me... Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.023	153.82 ug/l	5708310	1,4-Dichlorobenzene-d4	13.770

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	95
2	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	94
3	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	94
4	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	93
5	1-Phenyl-1-butene	132	C10H12	000824-90-8	91





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088021.D
Acq On : 03 Oct 2025 14:17
Operator : JC\MD
Sample : Q3274-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW4

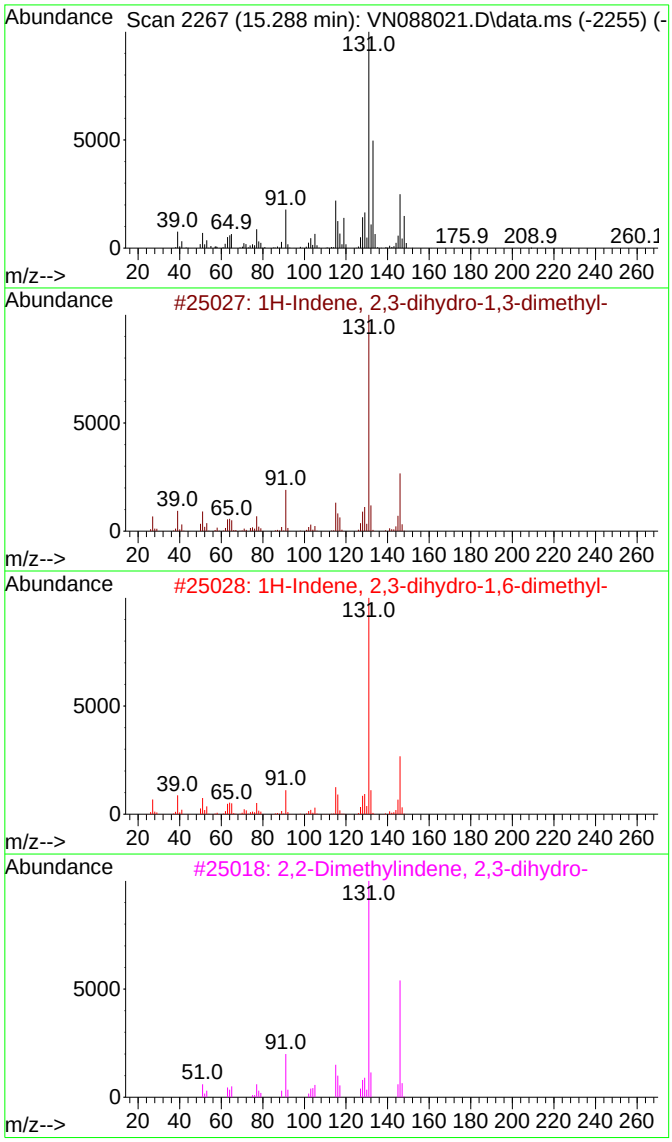
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260

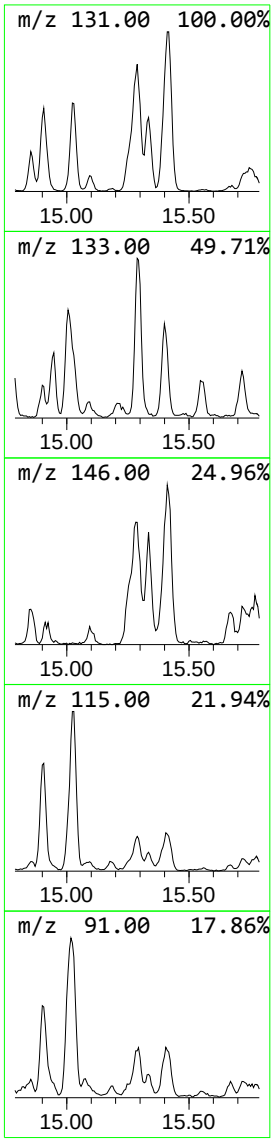
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 1H-Indene, 2,3-dihydro-1,3-... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.288	53.11 ug/l	1971010	1,4-Dichlorobenzene-d4	13.770

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	93
2	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	91
3	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	86
4	Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	86
5	Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	86





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088021.D
Acq On : 03 Oct 2025 14:17
Operator : JC\MD
Sample : Q3274-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW4

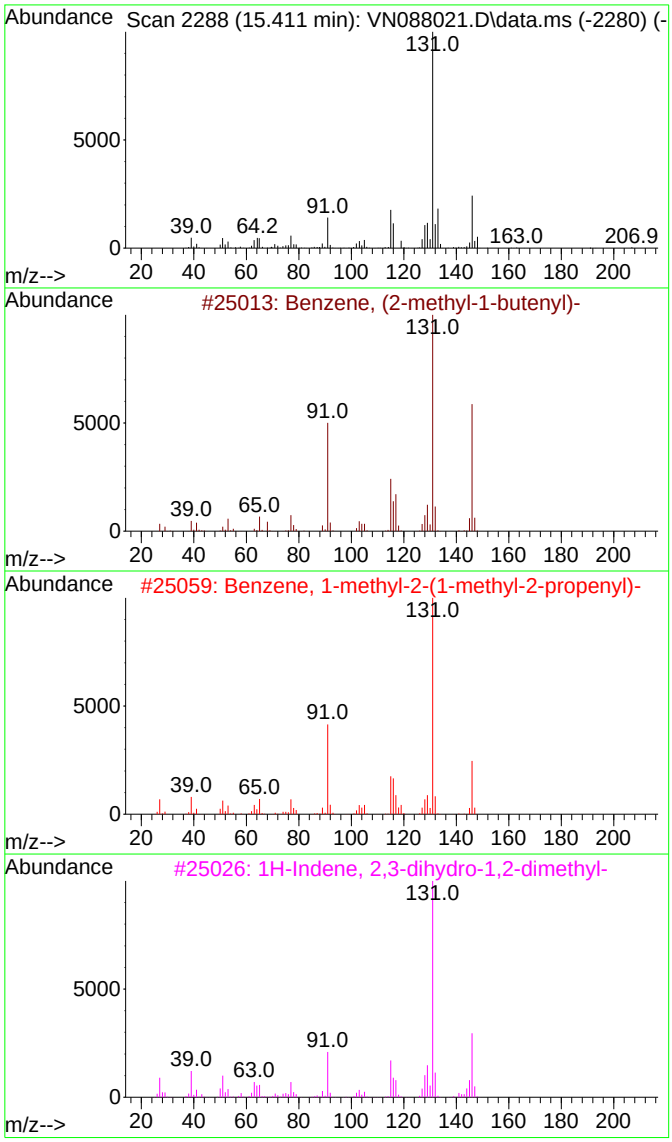
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260

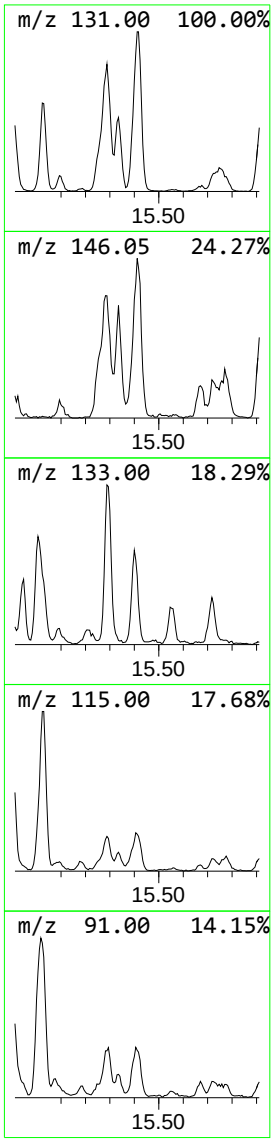
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 14 Benzene, (2-methyl-1-butenyl)- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.411	49.28 ug/l	1828730	1,4-Dichlorobenzene-d4	13.770

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	93
2	Benzene, 1-methyl-2-(1-methyl-2-...	146	C11H14	097664-19-2	91
3	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	90
4	1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	90
5	2,2-Dimethylindene, 2,3-dihydro-	146	C11H14	020836-11-7	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088021.D
Acq On : 03 Oct 2025 14:17
Operator : JC\MD
Sample : Q3274-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	Internal Standard #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc
Pentane, 2-methyl-	5.330	54.1	ug/l	4751660	1	8.212	4393350	50.0
Cyclopentane, m...	7.312	50.4	ug/l	4427680	1	8.212	4393350	50.0
Cyclopentane, 1...	8.700	41.6	ug/l	2087600	2	9.082	2508440	50.0
Cyclopentane, 1...	8.835	50.9	ug/l	2554980	2	9.082	2508440	50.0
Benzene, 1,4-di...	13.923	54.6	ug/l	2027570	4	13.770	1855480	50.0
Benzene, 4-ethy...	14.306	143.5	ug/l	5326490	4	13.770	1855480	50.0
Benzene, 1-ethe...	14.417	98.0	ug/l	3637530	4	13.770	1855480	50.0
Benzene, 1,2,3,...	14.629	87.8	ug/l	3258760	4	13.770	1855480	50.0
Benzene, 2-ethe...	14.900	73.0	ug/l	2707690	4	13.770	1855480	50.0
1H-Indene, 2,3-...	15.023	153.8	ug/l	5708310	4	13.770	1855480	50.0
1H-Indene, 2,3-...	15.288	53.1	ug/l	1971010	4	13.770	1855480	50.0
Benzene, (2-met...	15.411	49.3	ug/l	1828730	4	13.770	1855480	50.0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088027.D
Acq On : 03 Oct 2025 16:37
Operator : JC\MD
Sample : Q3274-01DL 10X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Quant Time: Oct 04 03:00:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
MW4DL

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	193443	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	426224	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	419833	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	205320	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	175119	53.792	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.580%			
35) Dibromofluoromethane	8.147	113	146268	47.265	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.540%			
50) Toluene-d8	10.547	98	538729	49.504	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.000%			
62) 4-Bromofluorobenzene	12.829	95	197115	50.673	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.340%			
Target Compounds						Qvalue
31) Cyclohexane	8.235	56	68367	18.728	ug/l #	92
39) Methylcyclohexane	9.576	83	185418	45.169	ug/l	97
40) Benzene	8.594	78	6634	0.538	ug/l #	84
67) Ethyl Benzene	11.947	91	23183	1.555	ug/l	98
73) Isopropylbenzene	12.676	105	31633	2.486	ug/l	98
78) n-propylbenzene	13.017	91	122920	7.726	ug/l	99
85) sec-Butylbenzene	13.594	105	24672	1.806	ug/l #	73
89) n-Butylbenzene	14.035	91	31409m	2.873	ug/l	

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

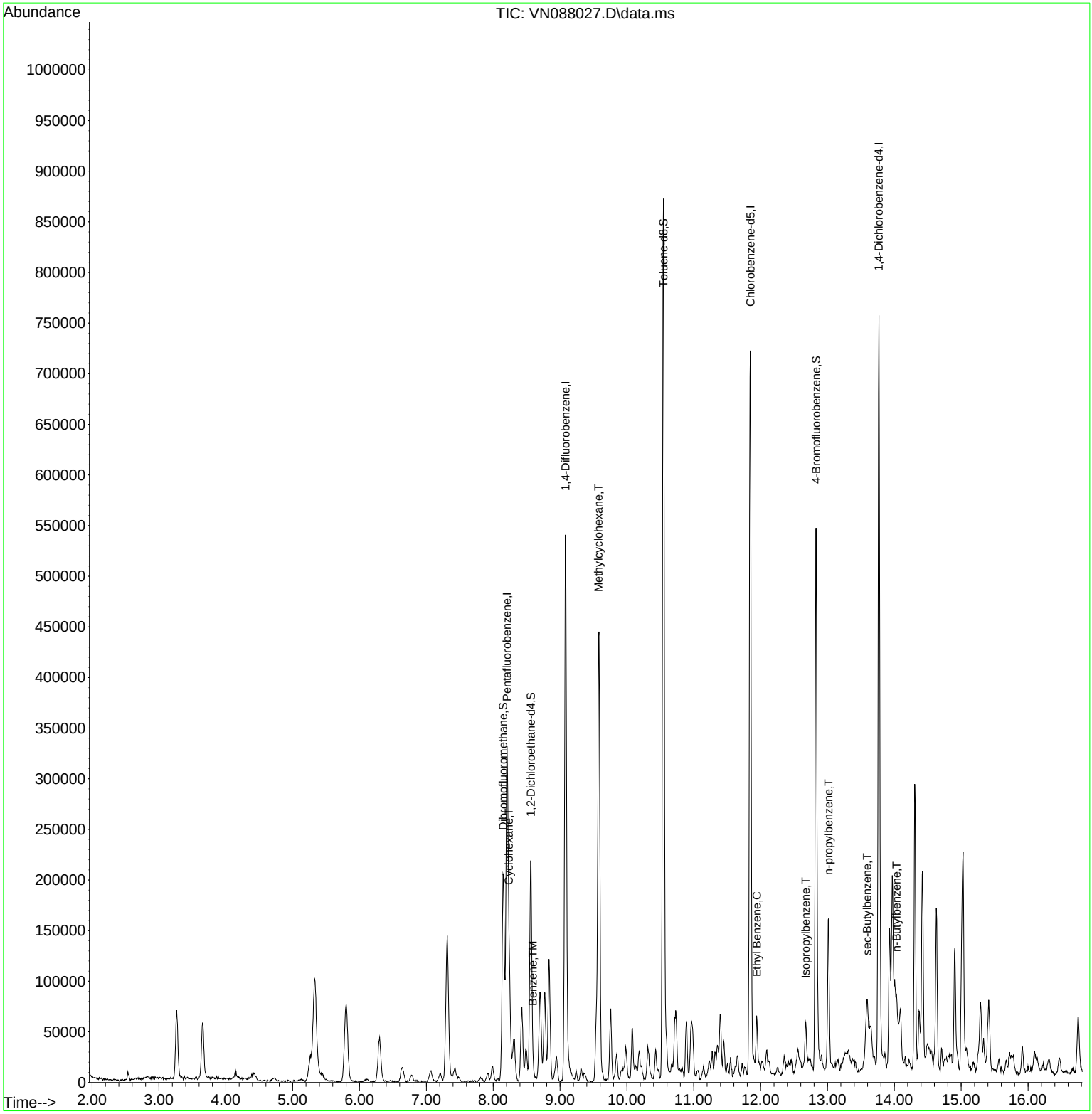
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088027.D
Acq On : 03 Oct 2025 16:37
Operator : JC\MD
Sample : Q3274-01DL 10X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

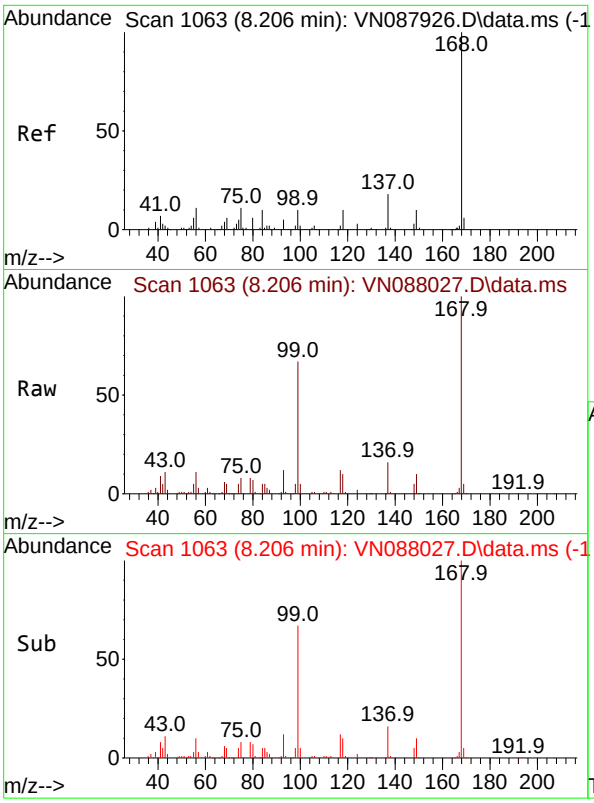
Quant Time: Oct 04 03:00:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
MW4DL

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088027.D
Acq: 03 Oct 2025 16:37

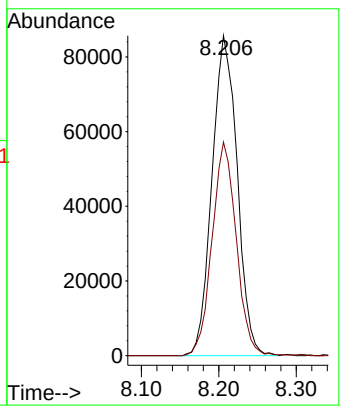
Tgt Ion:168 Resp: 19344

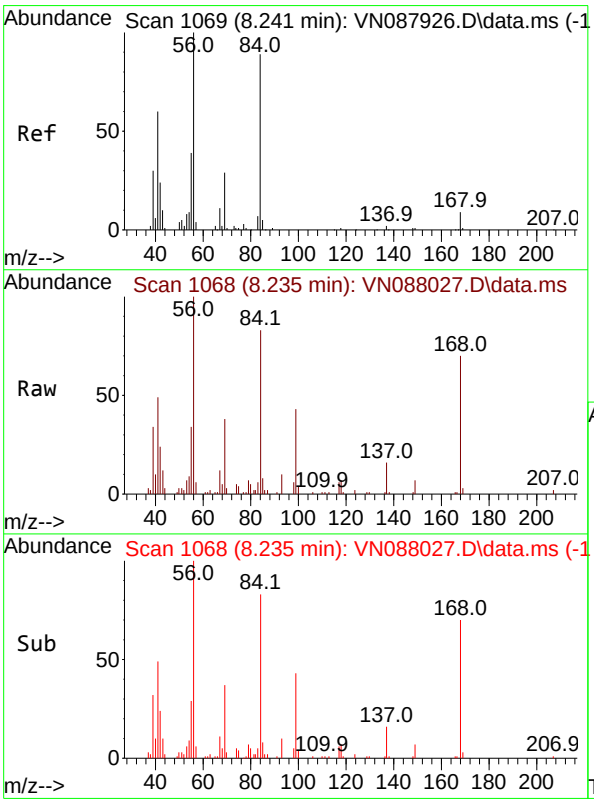
Ion	Ratio	Lower	Upper
168	100		
99	66.7	52.2	78.2

Instrument :
MSVOA_N
ClientSampleId :
MW4DL

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

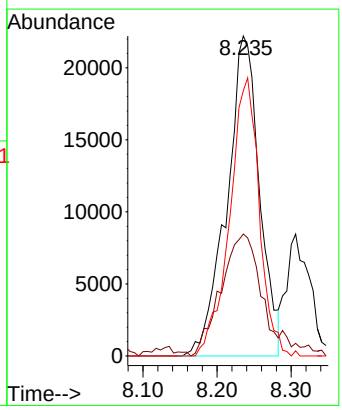


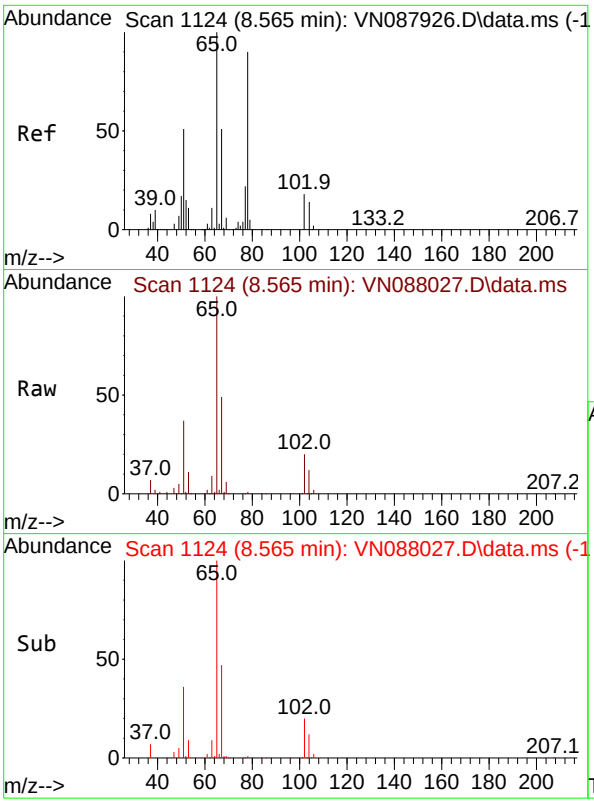


#31
Cyclohexane
Concen: 18.728 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VN088027.D
Acq: 03 Oct 2025 16:37

Tgt Ion: 56 Resp: 68367

Ion	Ratio	Lower	Upper
56	100		
69	36.9	23.4	35.0#
84	82.9	70.8	106.2





#33
1,2-Dichloroethane-d4
Concen: 53.792 ug/l
RT: 8.565 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN088027.D
Acq: 03 Oct 2025 16:37

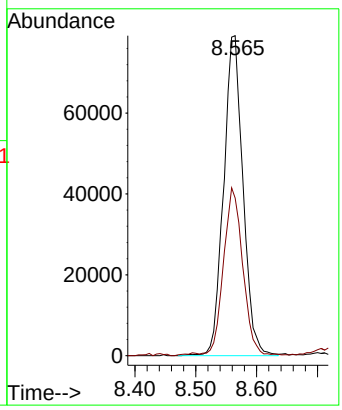
Tgt Ion: 65 Resp: 17511

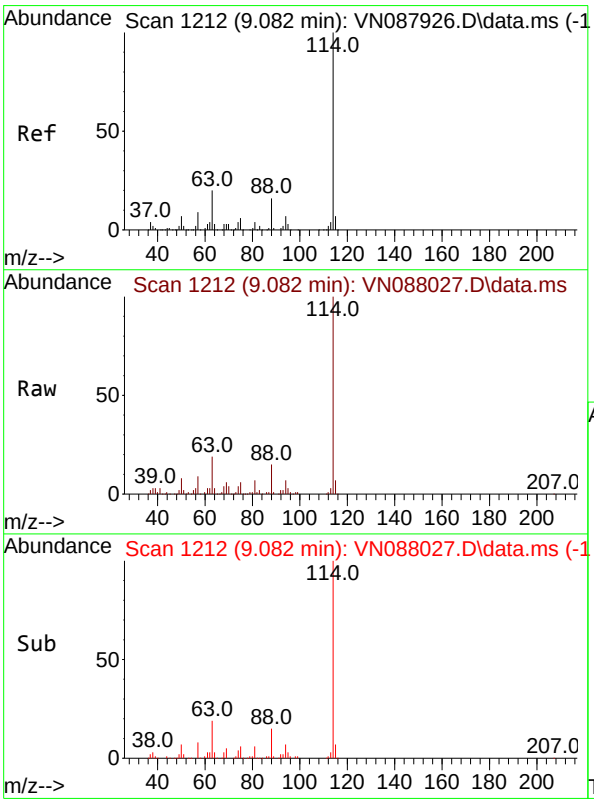
Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	103.4

Instrument :
MSVOA_N
ClientSampleId :
MW4DL

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

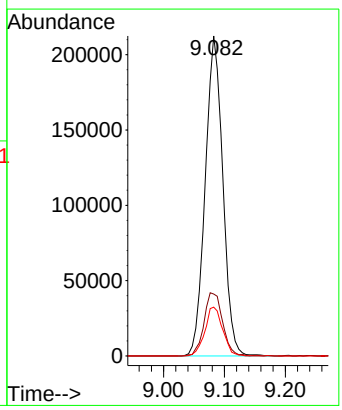


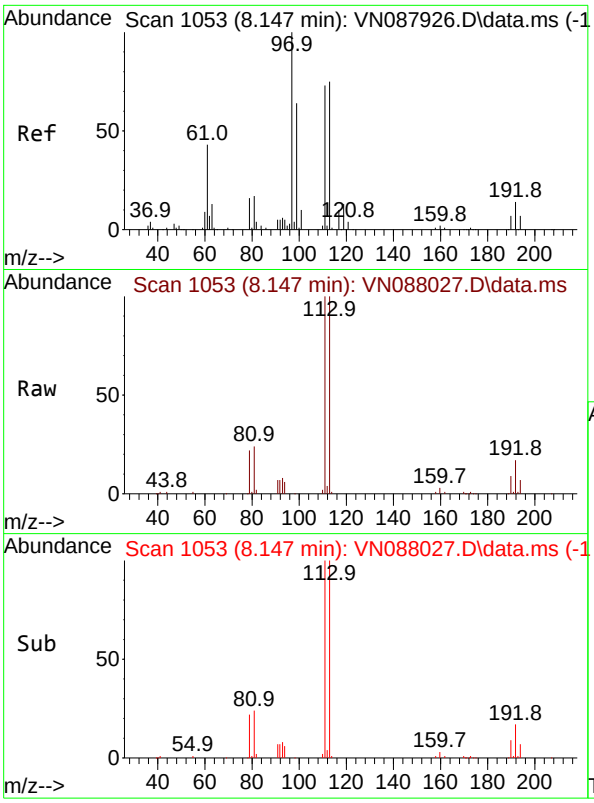


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 1212
Delta R.T. -0.000 min
Lab File: VN088027.D
Acq: 03 Oct 2025 16:37

Tgt Ion:114 Resp: 426224

Ion	Ratio	Lower	Upper
114	100		
63	19.4	0.0	40.0
88	15.3	0.0	31.8

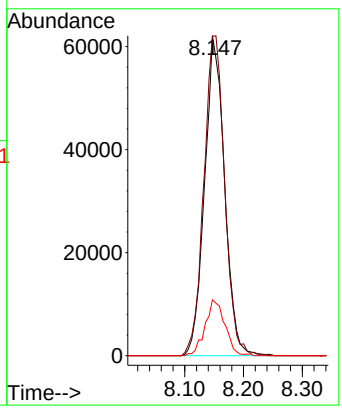




#35
Dibromofluoromethane
Concen: 47.265 ug/l
RT: 8.147 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088027.D
Acq: 03 Oct 2025 16:37

Tgt Ion:113 Resp: 14626

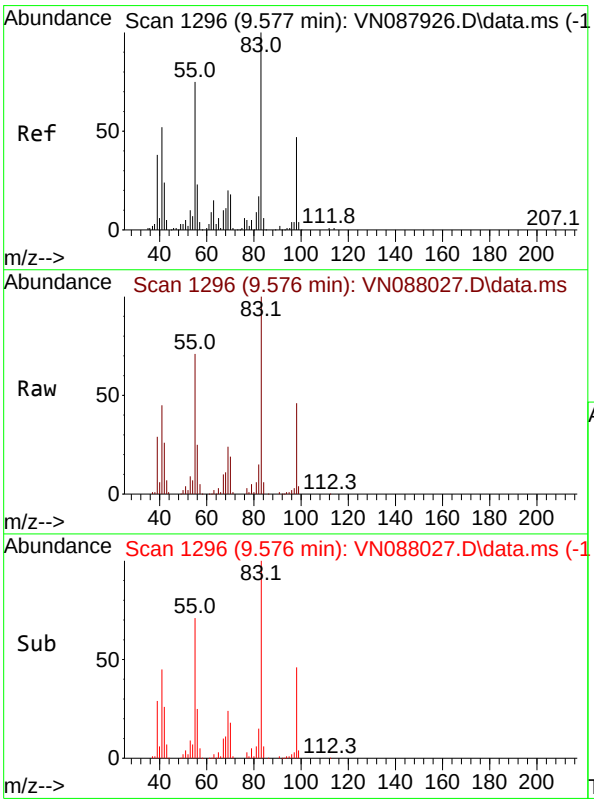
Ion	Ratio	Lower	Upper
113	100		
111	104.3	82.2	123.2
192	17.4	14.2	21.2



Instrument :
MSVOA_N
ClientSampleId :
MW4DL

Manual Integrations
APPROVED

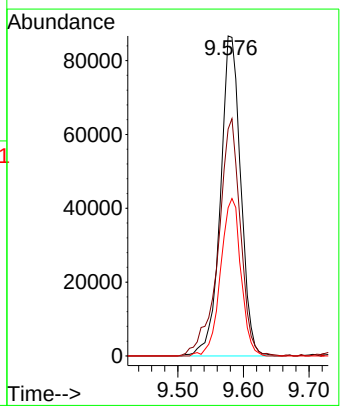
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

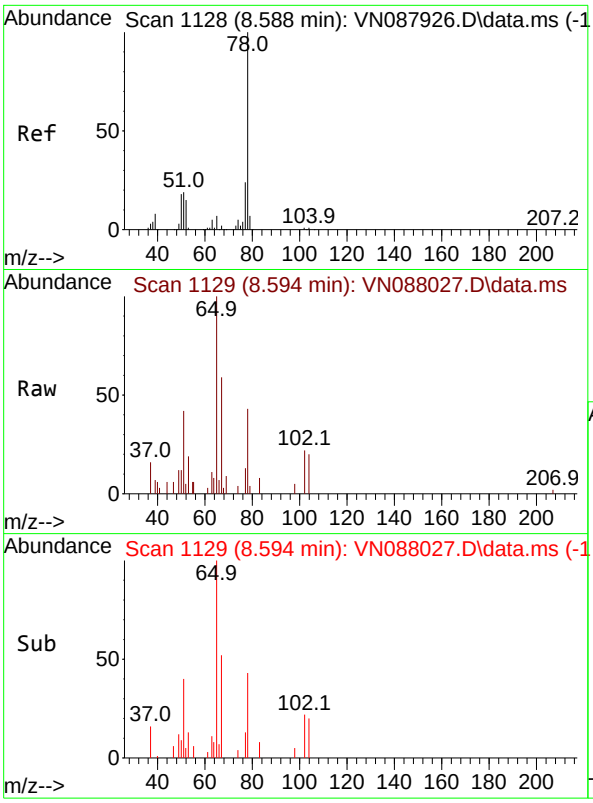


#39
Methylcyclohexane
Concen: 45.169 ug/l
RT: 9.576 min Scan# 1296
Delta R.T. -0.000 min
Lab File: VN088027.D
Acq: 03 Oct 2025 16:37

Tgt Ion: 83 Resp: 185418

Ion	Ratio	Lower	Upper
83	100		
55	70.9	59.9	89.9
98	46.3	37.4	56.2





#40
Benzene
Concen: 0.538 ug/l
RT: 8.594 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN088027.D
Acq: 03 Oct 2025 16:37

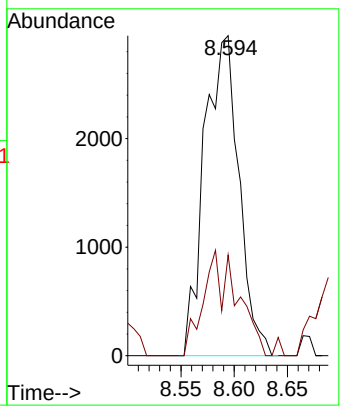
Tgt Ion: 78 Resp: 663

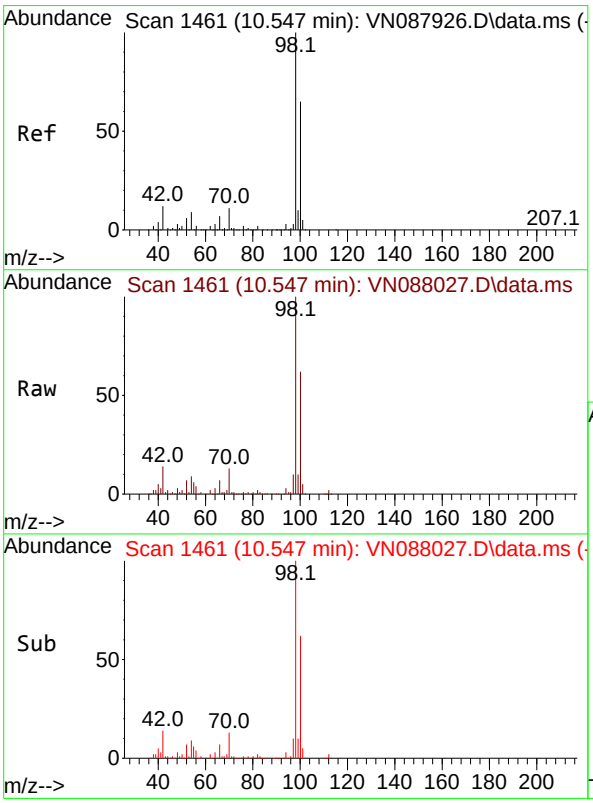
Ion	Ratio	Lower	Upper
78	100		
77	31.4	19.0	28.6

Instrument :
MSVOA_N
ClientSampleId :
MW4DL

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

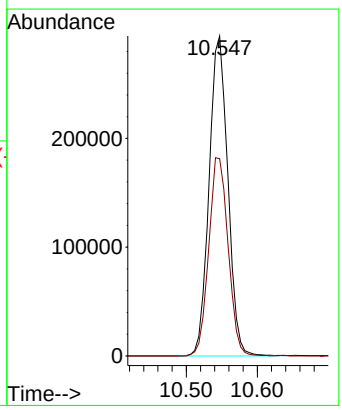




#50
Toluene-d8
Concen: 49.504 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN088027.D
Acq: 03 Oct 2025 16:37

Tgt Ion: 98 Resp: 538729

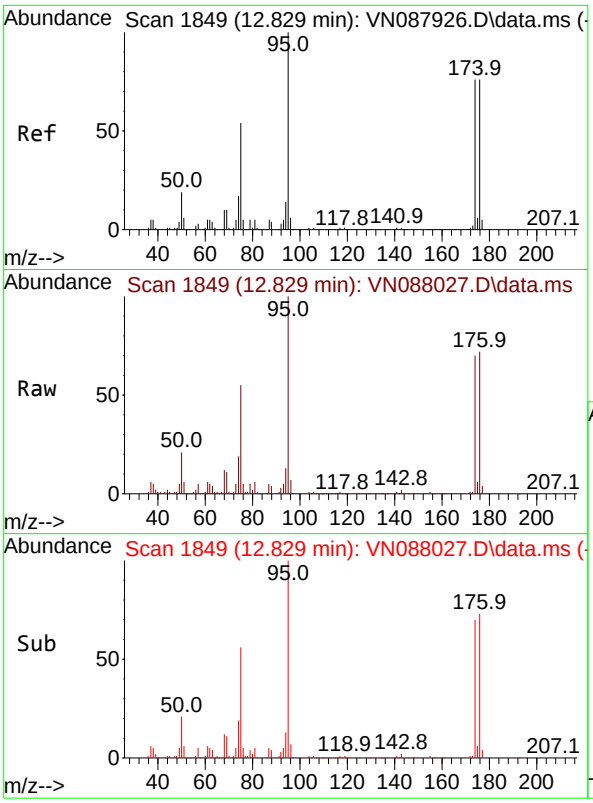
Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.7	77.5



Instrument :
MSVOA_N
ClientSampleId :
MW4DL

Manual Integrations
APPROVED

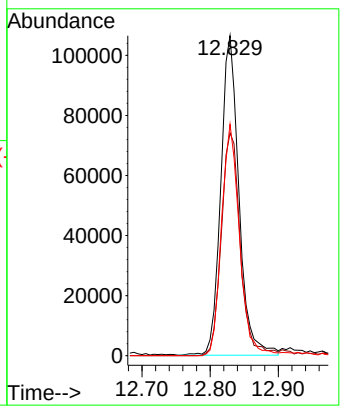
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

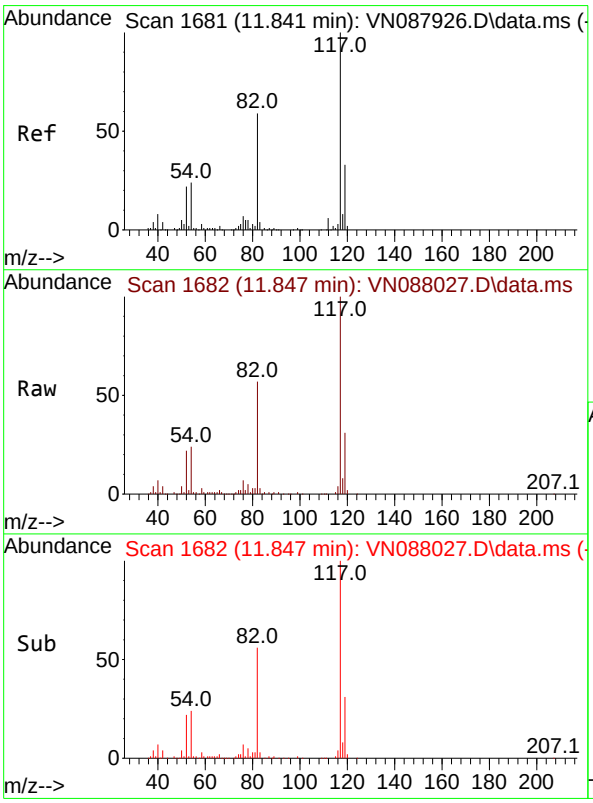


#62
4-Bromofluorobenzene
Concen: 50.673 ug/l
RT: 12.829 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088027.D
Acq: 03 Oct 2025 16:37

Tgt Ion: 95 Resp: 19711

Ion	Ratio	Lower	Upper
95	100		
174	72.8	0.0	159.2
176	71.7	0.0	152.6

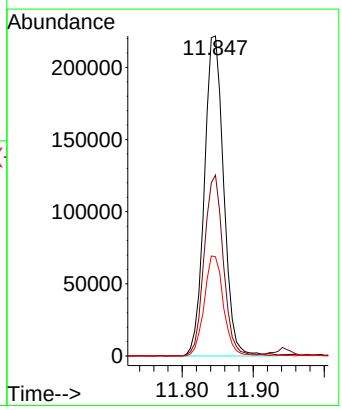


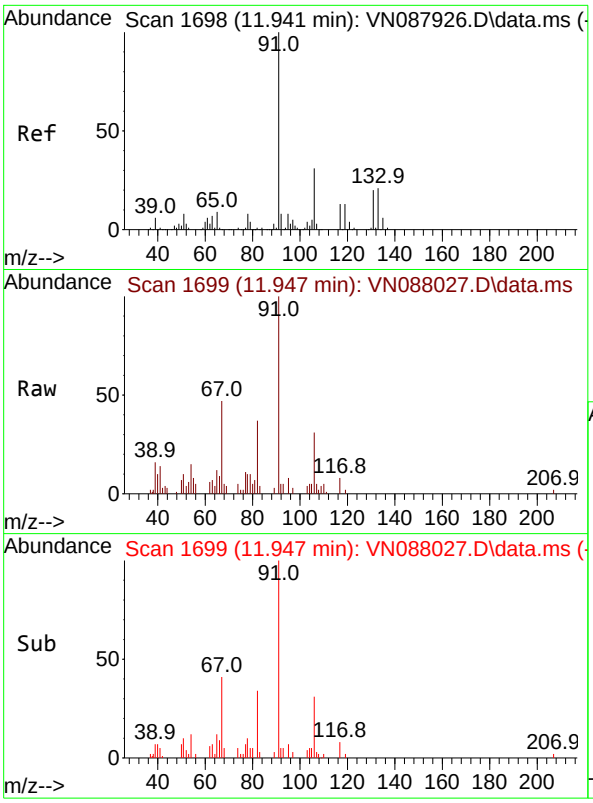


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VN088027.D
Acq: 03 Oct 2025 16:37

Tgt Ion:117 Resp: 419833

Ion	Ratio	Lower	Upper
117	100		
82	56.4	47.0	70.4
119	31.0	26.1	39.1





#67
Ethyl Benzene
Concen: 1.555 ug/l
RT: 11.947 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN088027.D
Acq: 03 Oct 2025 16:37

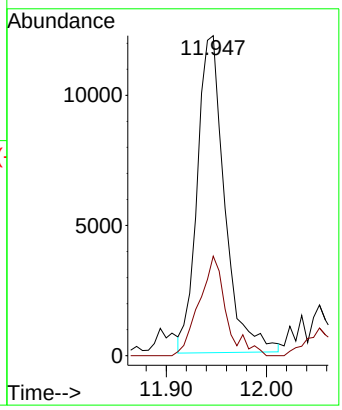
Tgt Ion: 91 Resp: 2318

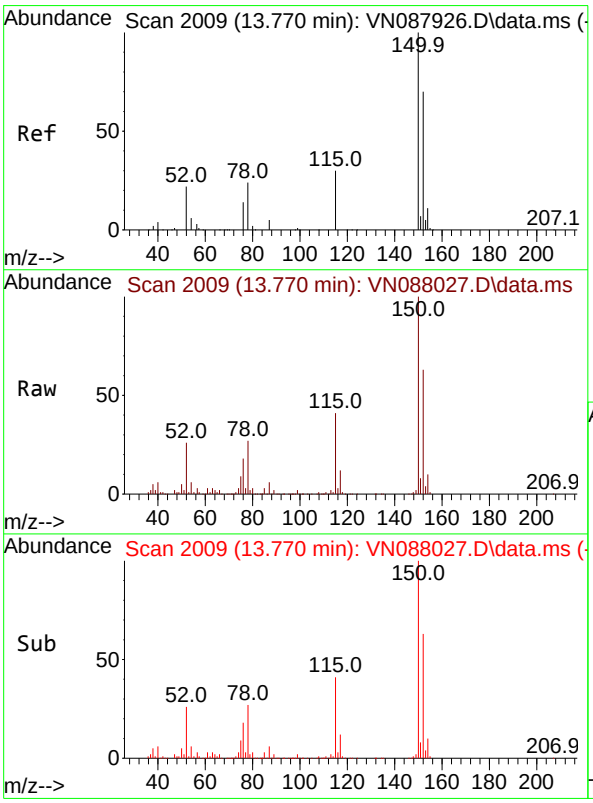
Ion	Ratio	Lower	Upper
91	100		
106	32.3	25.2	37.8

Instrument :
MSVOA_N
ClientSampleId :
MW4DL

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

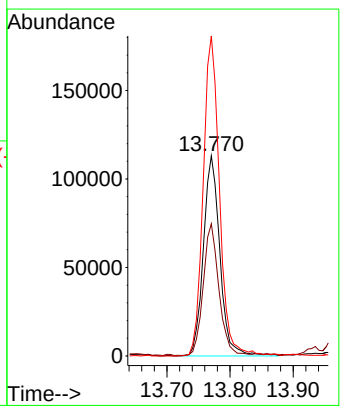


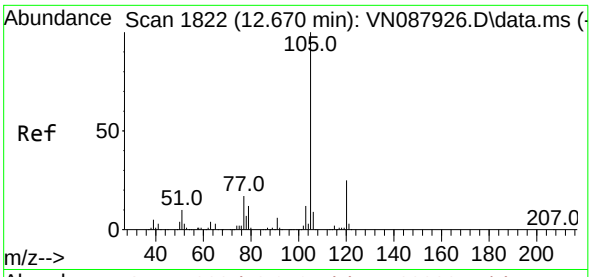


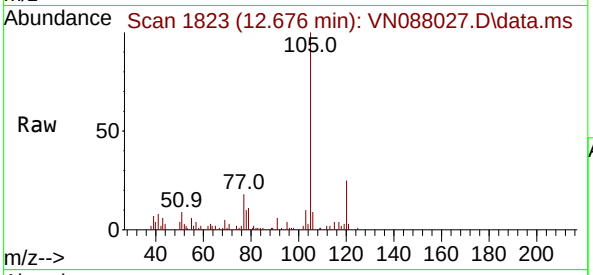
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. -0.000 min
Lab File: VN088027.D
Acq: 03 Oct 2025 16:37

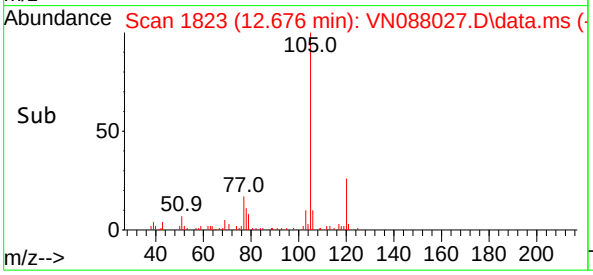
Tgt Ion:152 Resp: 205320

Ion	Ratio	Lower	Upper
152	100		
115	62.3	29.9	89.7
150	157.7	0.0	335.0









#73
Isopropylbenzene
Concen: 2.486 ug/l
RT: 12.676 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN088027.D
Acq: 03 Oct 2025 16:37

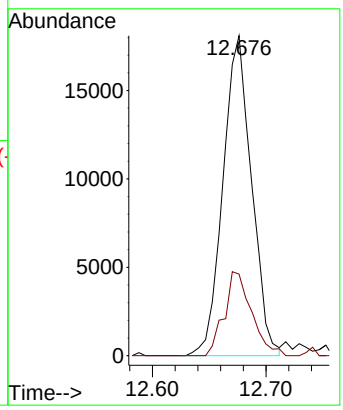
Tgt Ion:105 Resp: 3163

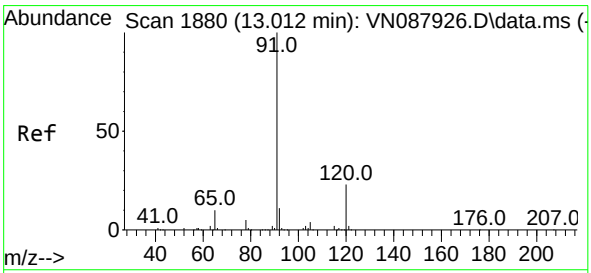
Ion	Ratio	Lower	Upper
105	100		
120	25.1	13.1	39.1

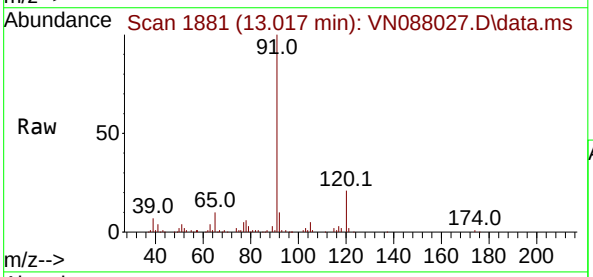
Instrument :
MSVOA_N
ClientSampleId :
MW4DL

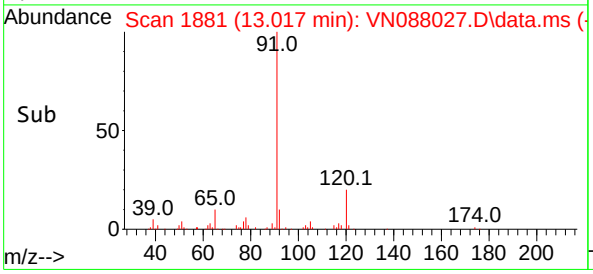
Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025





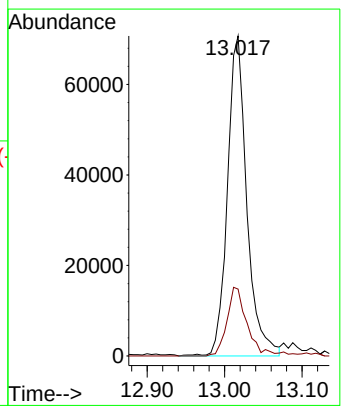


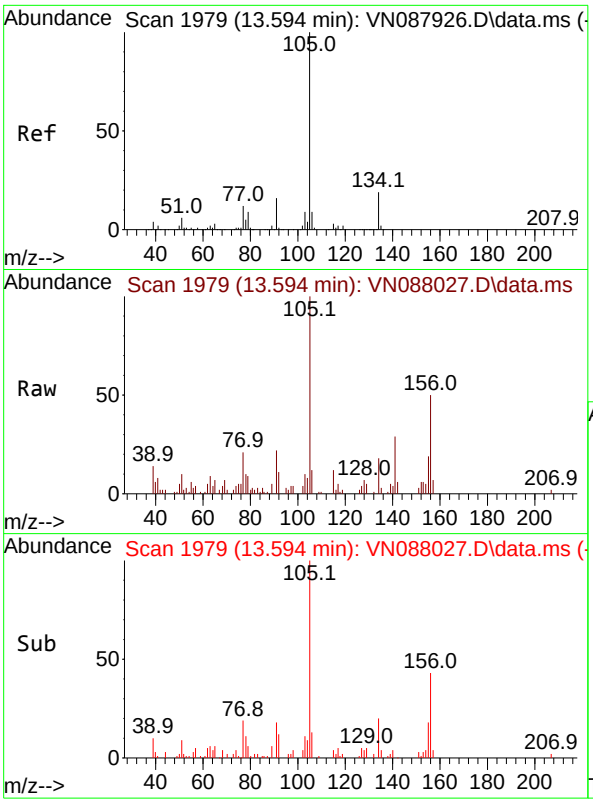


#78
n-propylbenzene
Concen: 7.726 ug/l
RT: 13.017 min Scan# 1881
Delta R.T. 0.006 min
Lab File: VN088027.D
Acq: 03 Oct 2025 16:37

Tgt Ion: 91 Resp: 122920

Ion	Ratio	Lower	Upper
91	100		
120	22.6	11.1	33.1

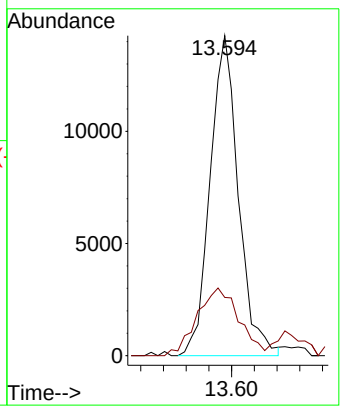




#85
sec-Butylbenzene
Concen: 1.806 ug/l
RT: 13.594 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088027.D
Acq: 03 Oct 2025 16:37

Tgt Ion:105 Resp: 2467

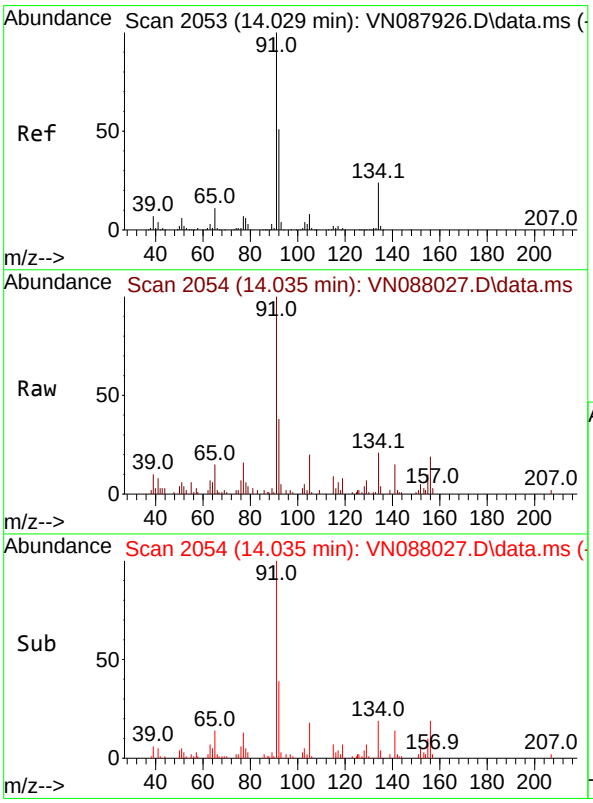
Ion	Ratio	Lower	Upper
105	100		
134	31.4	9.6	28.8#



Instrument :
MSVOA_N
ClientSampleId :
MW4DL

Manual Integrations
APPROVED

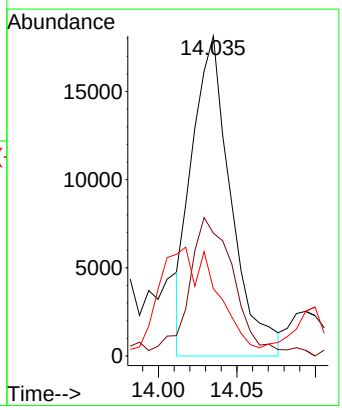
Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025



#89
n-Butylbenzene
Concen: 2.873 ug/l m
RT: 14.035 min Scan# 2054
Delta R.T. 0.006 min
Lab File: VN088027.D
Acq: 03 Oct 2025 16:37

Tgt Ion: 91 Resp: 31409

Ion	Ratio	Lower	Upper
91	100		
92	50.6	25.9	77.8
134	50.9	12.6	37.8#



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088022.D
Acq On : 03 Oct 2025 14:38
Operator : JC\MD
Sample : Q3274-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW5

Quant Time: Oct 04 02:57:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 2025
Response via : Initial Calibration

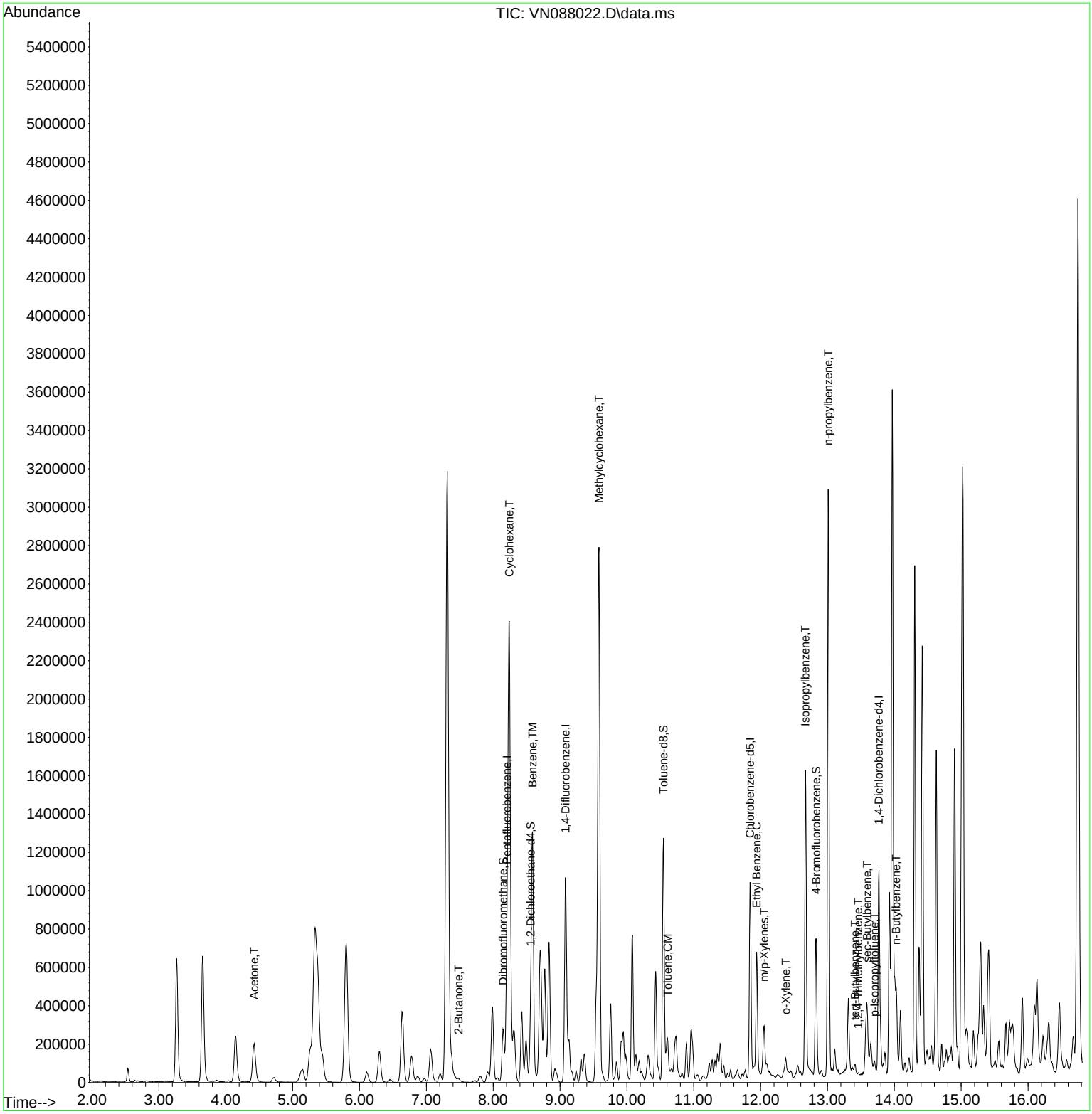
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	274294	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	584137	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	570238	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	295091	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	228064	49.406	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.820%		
35) Dibromofluoromethane	8.147	113	183432	43.250	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	86.500%		
50) Toluene-d8	10.547	98	682810	45.782	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	91.560%		
62) 4-Bromofluorobenzene	12.829	95	261988	49.143	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	98.280%		
Target Compounds						Qvalue
16) Acetone	4.424	43	343936	181.086	ug/l	97
25) 2-Butanone	7.483	43	15223	5.244	ug/l #	81
31) Cyclohexane	8.241	56	1363619	263.431	ug/l	96
39) Methylcyclohexane	9.582	83	1237115	219.900	ug/l	99
40) Benzene	8.588	78	1267518	75.065	ug/l	98
52) Toluene	10.612	92	75631	7.138	ug/l	93
67) Ethyl Benzene	11.941	91	411229	20.309	ug/l	97
68) m/p-Xylenes	12.053	106	88034	11.368	ug/l	91
69) o-Xylene	12.376	106	26208	3.522	ug/l	95
73) Isopropylbenzene	12.670	105	1061275	58.028	ug/l	100
78) n-propylbenzene	13.012	91	2432561	106.383	ug/l	100
83) tert-Butylbenzene	13.412	119	23219	1.734	ug/l	80
84) 1,2,4-Trimethylbenzene	13.459	105	11207	0.691	ug/l	88
85) sec-Butylbenzene	13.594	105	203166	10.349	ug/l #	72
86) p-Isopropyltoluene	13.706	119	31335	1.885	ug/l	96
89) n-Butylbenzene	14.029	91	244616	15.568	ug/l #	77

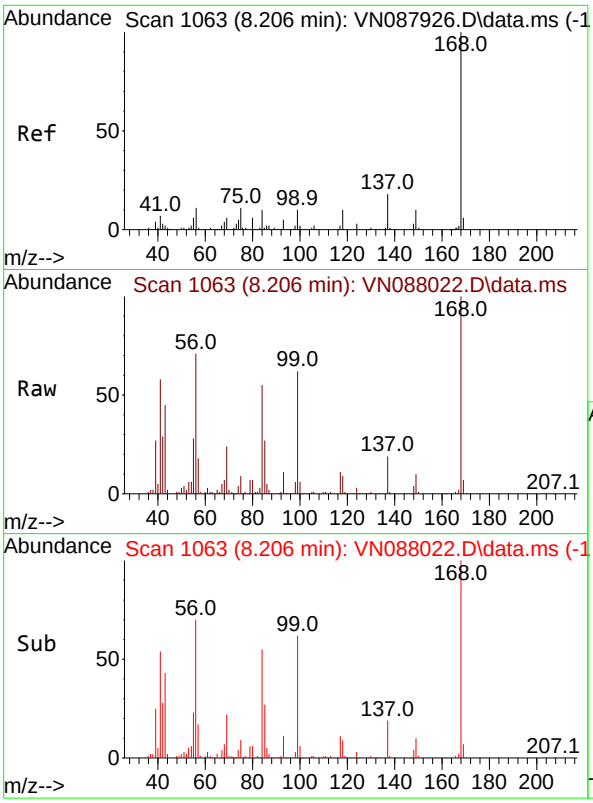
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088022.D
Acq On : 03 Oct 2025 14:38
Operator : JC\MD
Sample : Q3274-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW5

Quant Time: Oct 04 02:57:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 2025
Response via : Initial Calibration



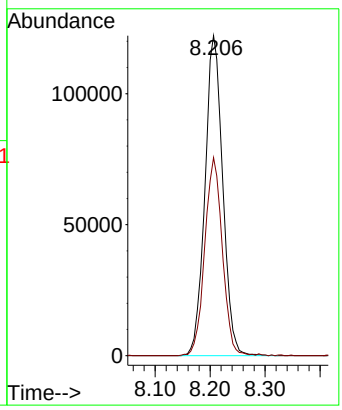


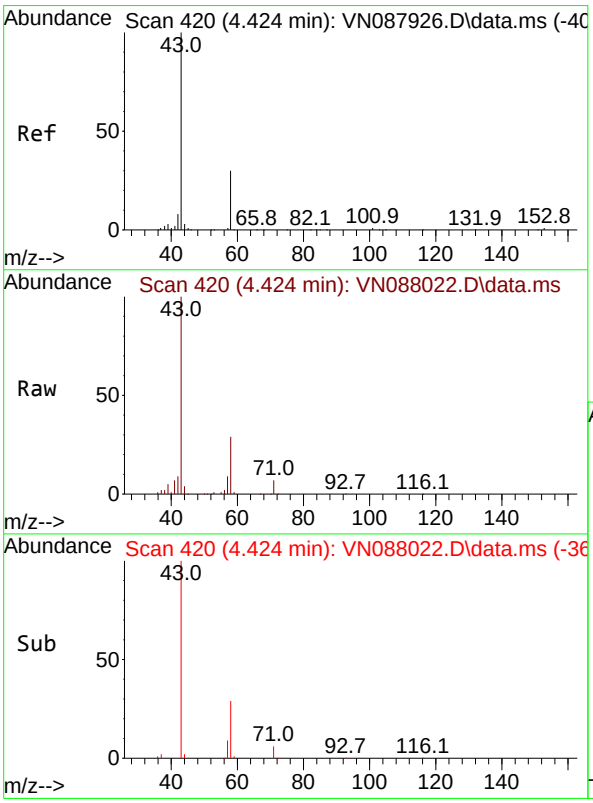
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN088022.D
Acq: 03 Oct 2025 14:38

Instrument :
MSVOA_N
ClientSampleId :
MW5

Tgt Ion:168 Resp: 274294

Ion	Ratio	Lower	Upper
168	100		
99	61.9	52.2	78.2

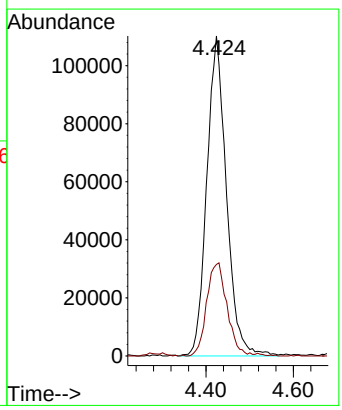


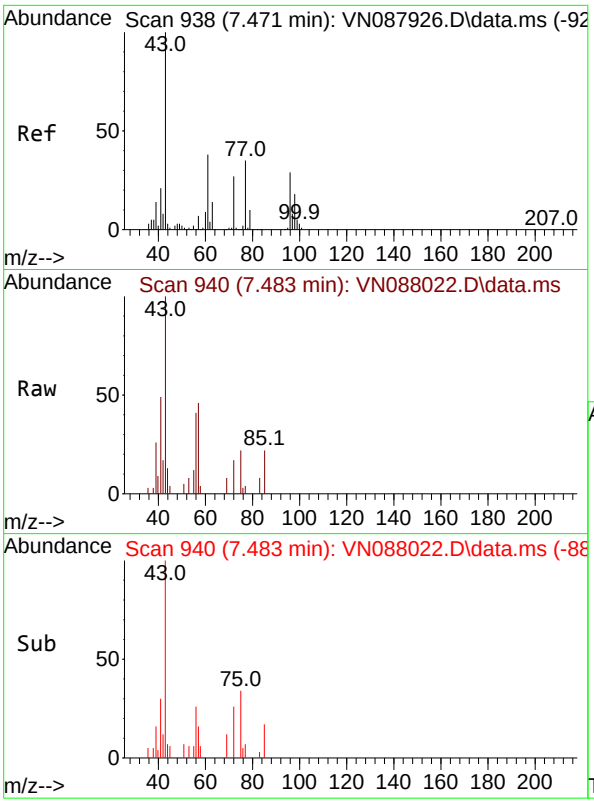


#16
Acetone
Concen: 181.086 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN088022.D
Acq: 03 Oct 2025 14:38

Tgt Ion: 43 Resp: 343936

Ion	Ratio	Lower	Upper
43	100		
58	28.6	24.1	36.1



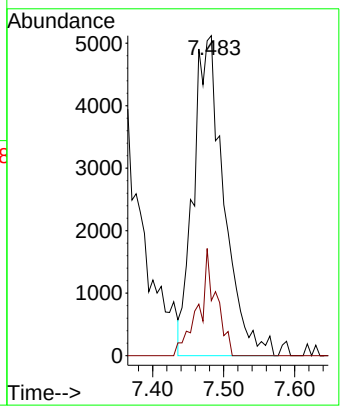


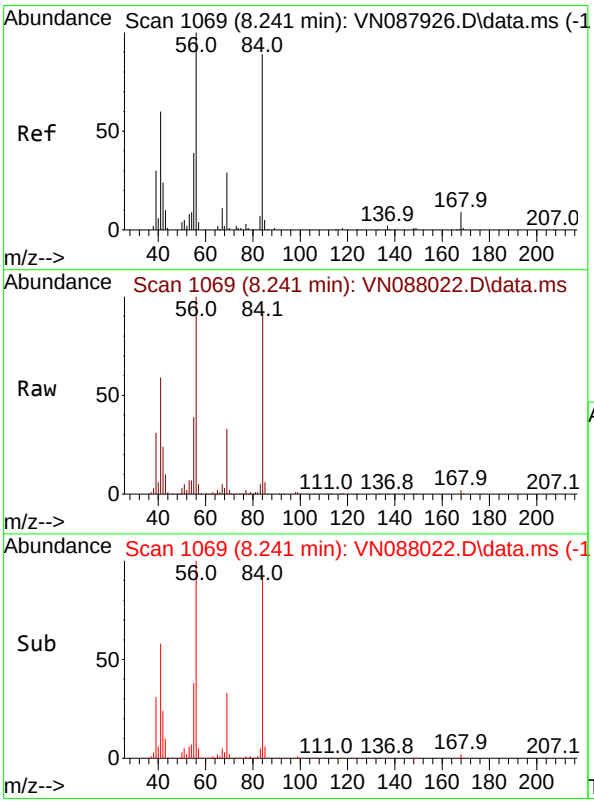
#25
2-Butanone
Concen: 5.244 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.012 min
Lab File: VN088022.D
Acq: 03 Oct 2025 14:38

Instrument :
MSVOA_N
ClientSampleId :
MW5

Tgt Ion: 43 Resp: 15223

Ion	Ratio	Lower	Upper
43	100		
72	17.2	21.5	32.3#

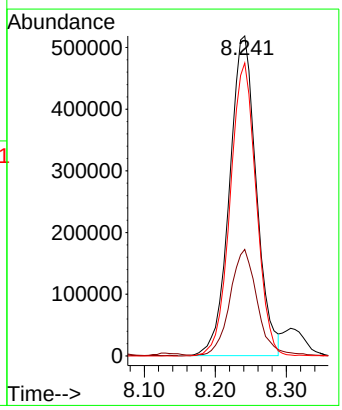


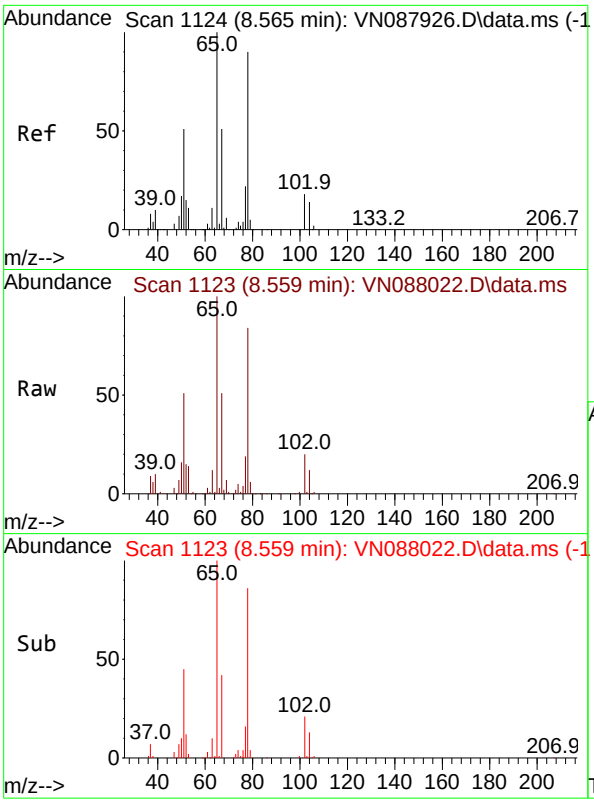


#31
Cyclohexane
Concen: 263.431 ug/l
RT: 8.241 min Scan# 1069
Delta R.T. 0.000 min
Lab File: VN088022.D
Acq: 03 Oct 2025 14:38

Tgt Ion: 56 Resp: 1363619

Ion	Ratio	Lower	Upper
56	100		
69	32.7	23.4	35.0
84	91.7	70.8	106.2



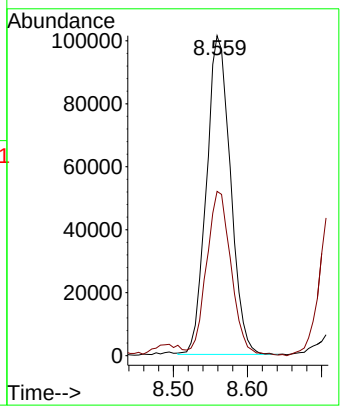


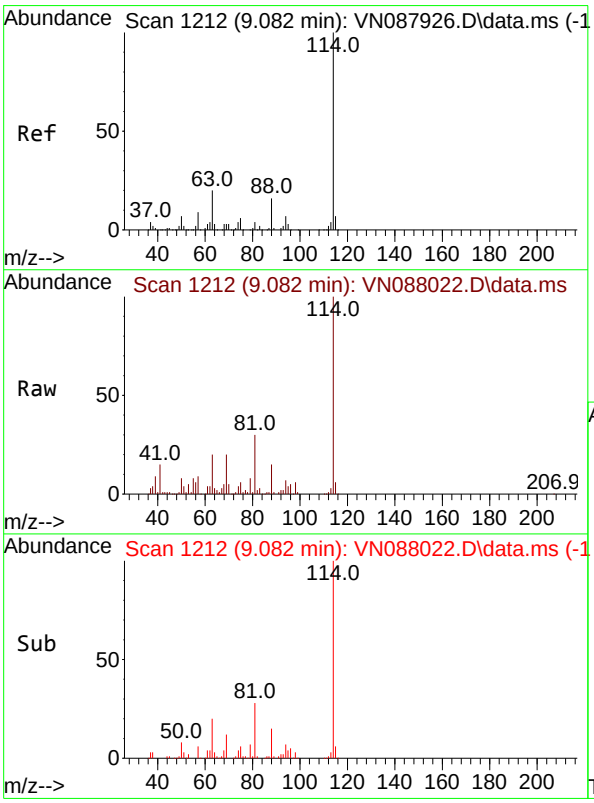
#33
1,2-Dichloroethane-d4
Concen: 49.406 ug/l
RT: 8.559 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN088022.D
Acq: 03 Oct 2025 14:38

Instrument :
MSVOA_N
ClientSampleId :
MW5

Tgt Ion: 65 Resp: 228064

Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	103.4

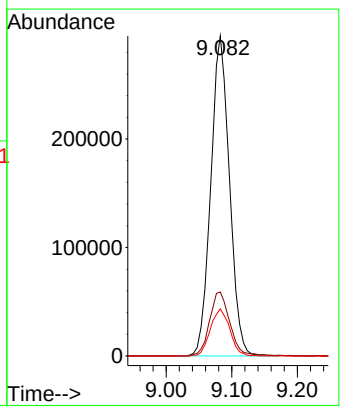


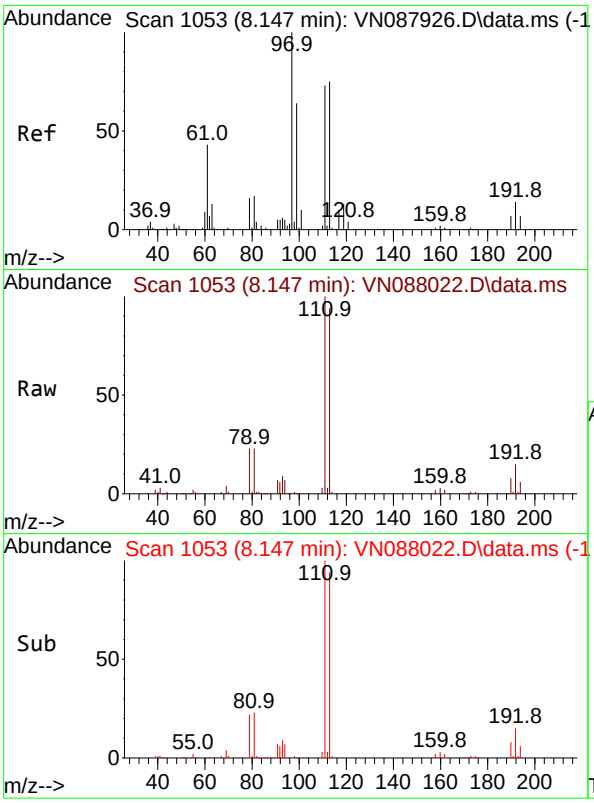


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 1212
Delta R.T. 0.000 min
Lab File: VN088022.D
Acq: 03 Oct 2025 14:38

Tgt Ion:114 Resp: 584137

Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	40.0
88	14.8	0.0	31.8



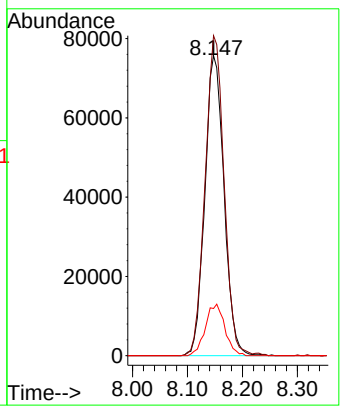


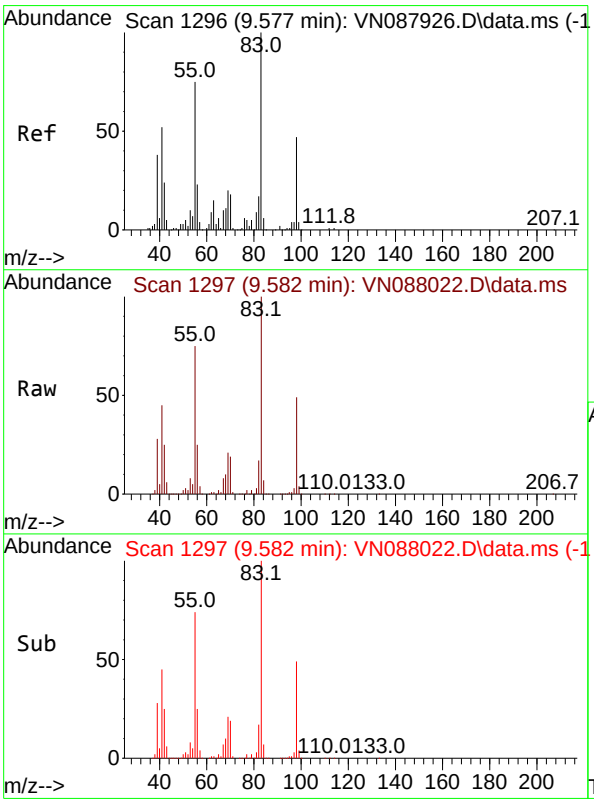
#35
Dibromofluoromethane
Concen: 43.250 ug/l
RT: 8.147 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN088022.D
Acq: 03 Oct 2025 14:38

Instrument :
MSVOA_N
ClientSampleId :
MW5

Tgt Ion:113 Resp: 183432

Ion	Ratio	Lower	Upper
113	100		
111	106.0	82.2	123.2
192	17.5	14.2	21.2

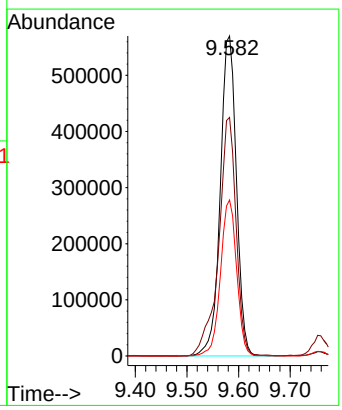


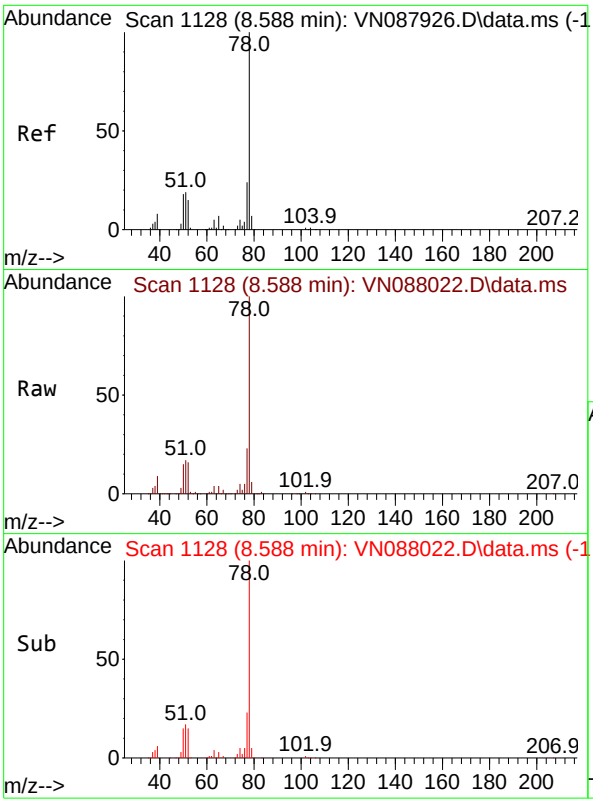


#39
Methylcyclohexane
Concen: 219.900 ug/l
RT: 9.582 min Scan# 1297
Delta R.T. 0.006 min
Lab File: VN088022.D
Acq: 03 Oct 2025 14:38

Tgt Ion: 83 Resp: 1237115

Ion	Ratio	Lower	Upper
83	100		
55	74.6	59.9	89.9
98	48.7	37.4	56.2



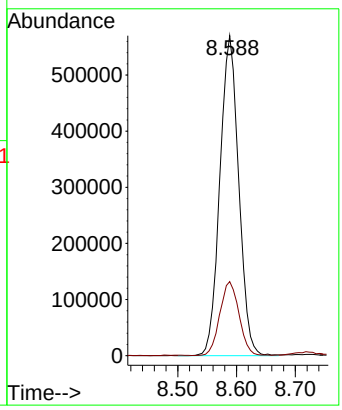


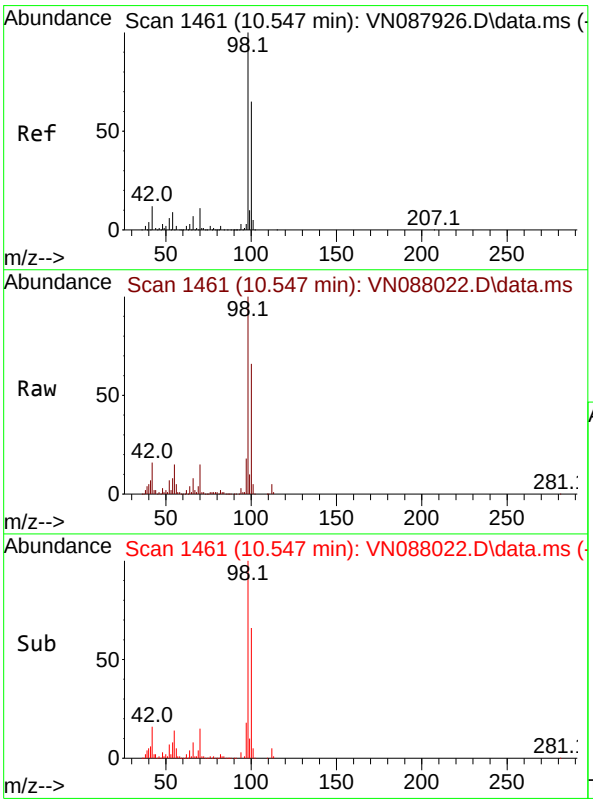
#40
Benzene
Concen: 75.065 ug/l
RT: 8.588 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN088022.D
Acq: 03 Oct 2025 14:38

Instrument :
MSVOA_N
ClientSampleId :
MW5

Tgt Ion: 78 Resp: 1267518

Ion	Ratio	Lower	Upper
78	100		
77	23.0	19.0	28.6

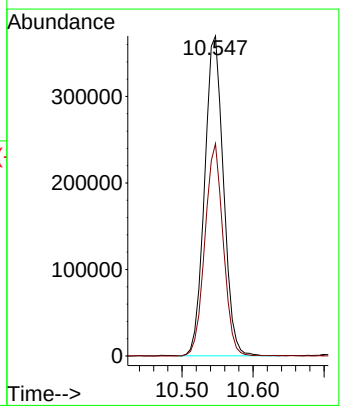


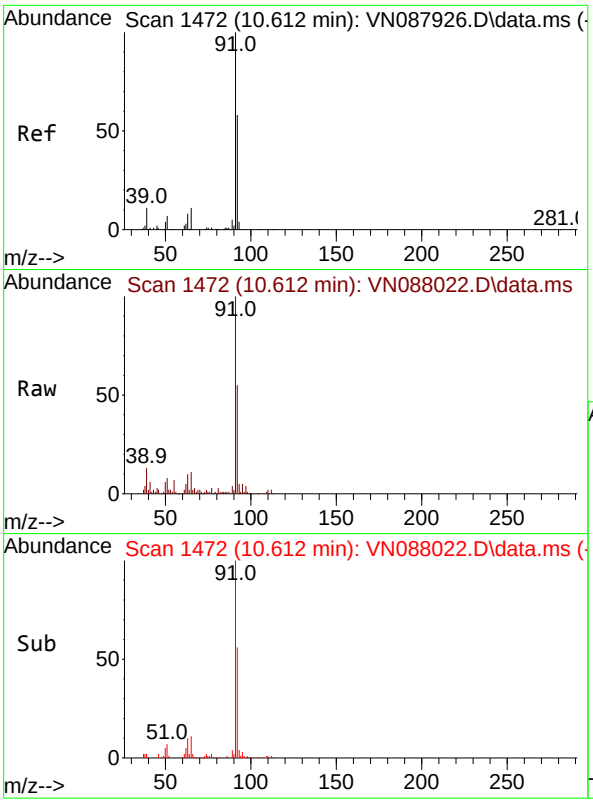


#50
Toluene-d8
Concen: 45.782 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN088022.D
Acq: 03 Oct 2025 14:38

Tgt Ion: 98 Resp: 682810

Ion	Ratio	Lower	Upper
98	100		
100	64.4	51.7	77.5



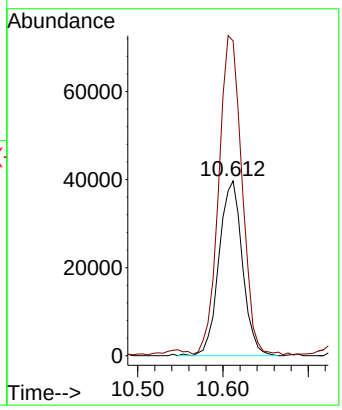


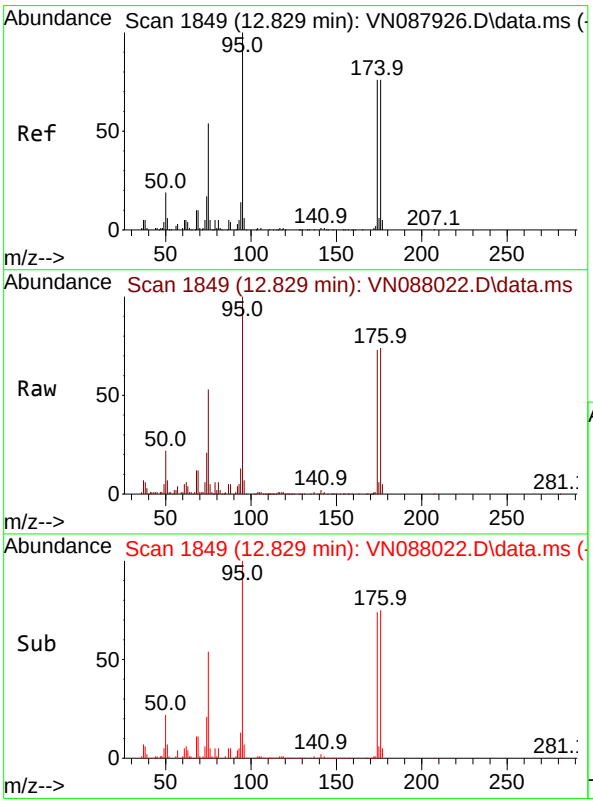
#52
Toluene
Concen: 7.138 ug/l
RT: 10.612 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN088022.D
Acq: 03 Oct 2025 14:38

Instrument :
MSVOA_N
ClientSampleId :
MW5

Tgt Ion: 92 Resp: 75631

Ion	Ratio	Lower	Upper
92	100		
91	181.9	138.2	207.2

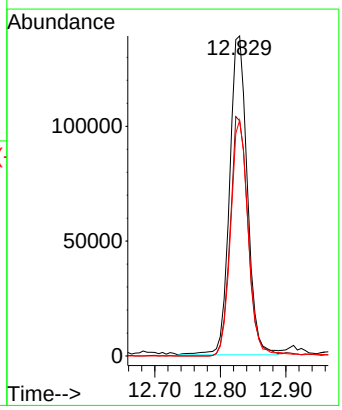


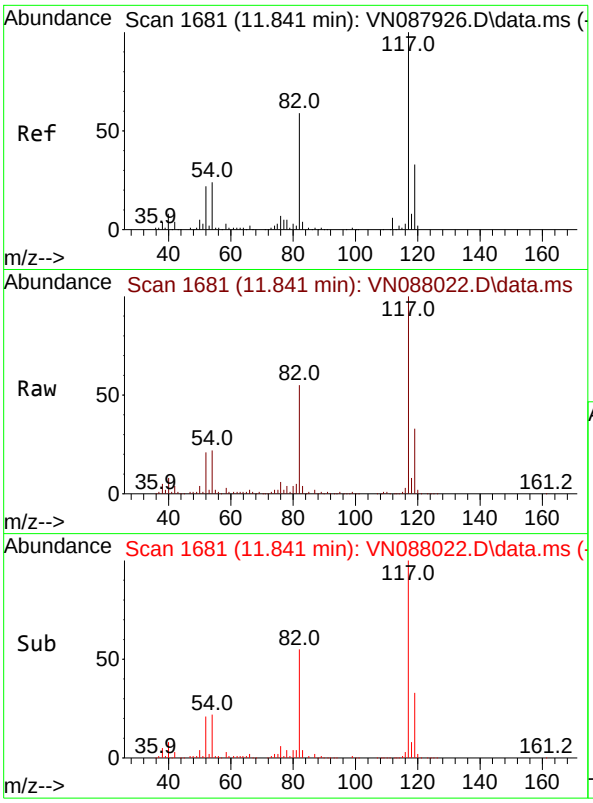


#62
4-Bromofluorobenzene
Concen: 49.143 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN088022.D
Acq: 03 Oct 2025 14:38

Tgt Ion: 95 Resp: 261988

Ion	Ratio	Lower	Upper
95	100		
174	74.8	0.0	159.2
176	73.2	0.0	152.6



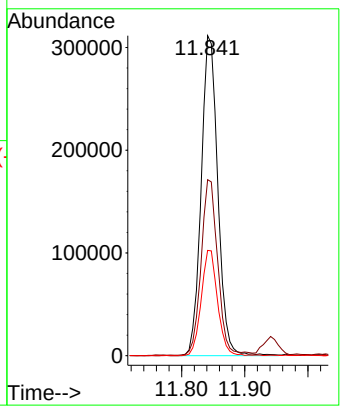


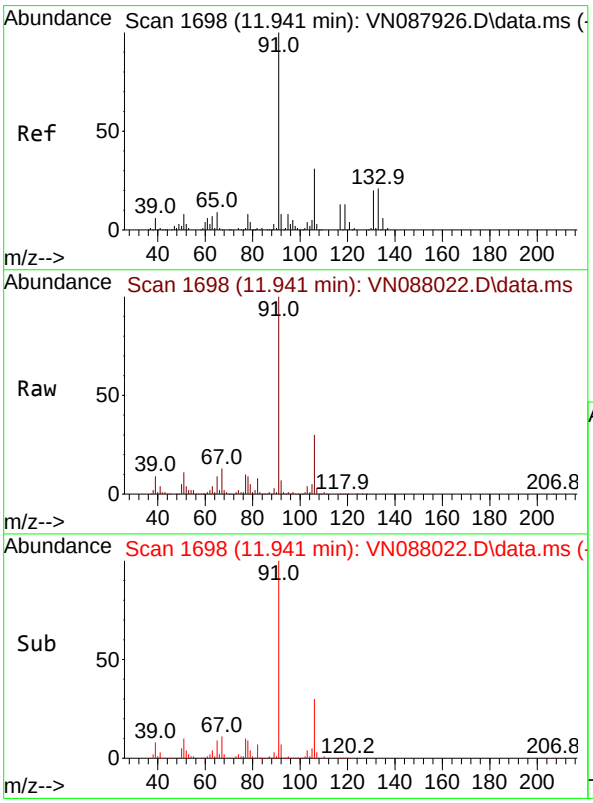
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN088022.D
Acq: 03 Oct 2025 14:38

Instrument :
MSVOA_N
ClientSampleId :
MW5

Tgt Ion:117 Resp: 570238

Ion	Ratio	Lower	Upper
117	100		
82	54.9	47.0	70.4
119	32.9	26.1	39.1

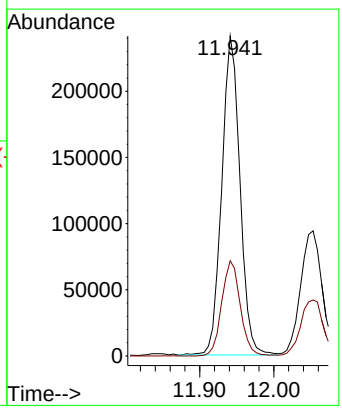


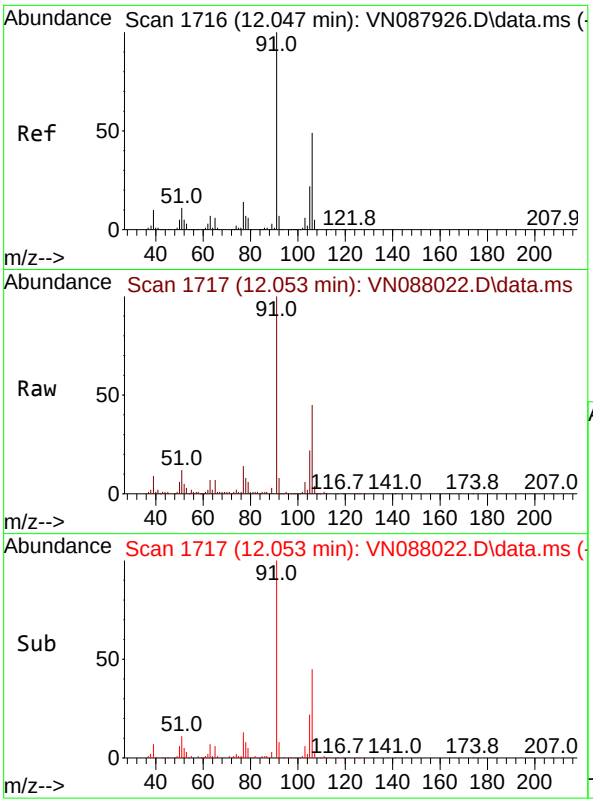


#67
Ethyl Benzene
Concen: 20.309 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VN088022.D
Acq: 03 Oct 2025 14:38

Tgt Ion: 91 Resp: 411229

Ion	Ratio	Lower	Upper
91	100		
106	29.8	25.2	37.8



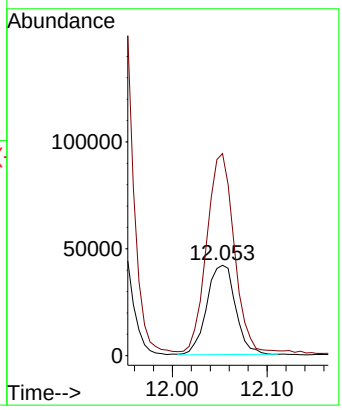


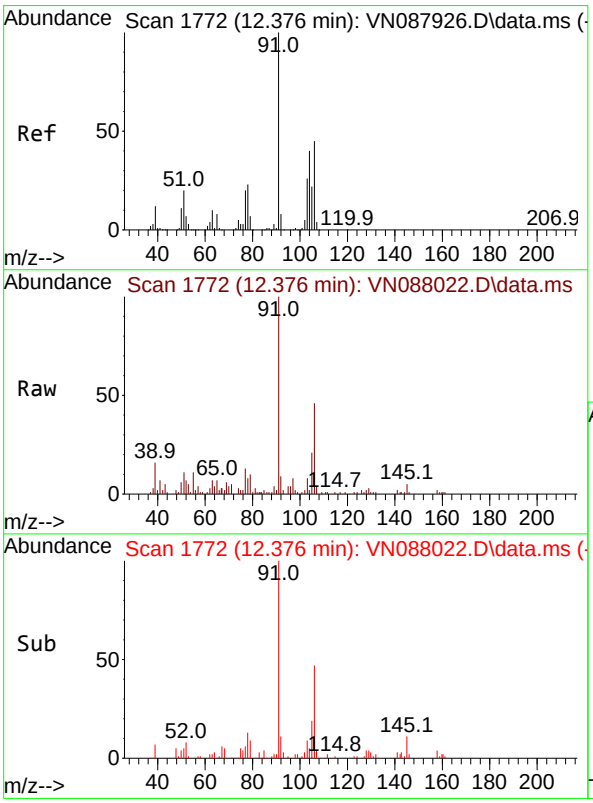
#68
m/p-Xylenes
Concen: 11.368 ug/l
RT: 12.053 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN088022.D
Acq: 03 Oct 2025 14:38

Instrument :
MSVOA_N
ClientSampleId :
MW5

Tgt Ion:106 Resp: 88034

Ion	Ratio	Lower	Upper
106	100		
91	217.7	162.9	244.3

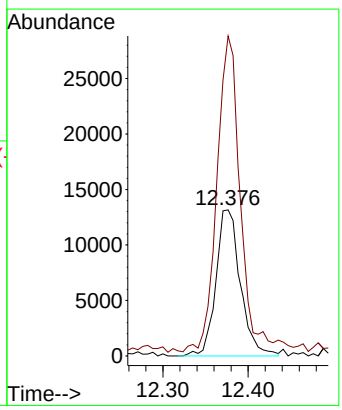


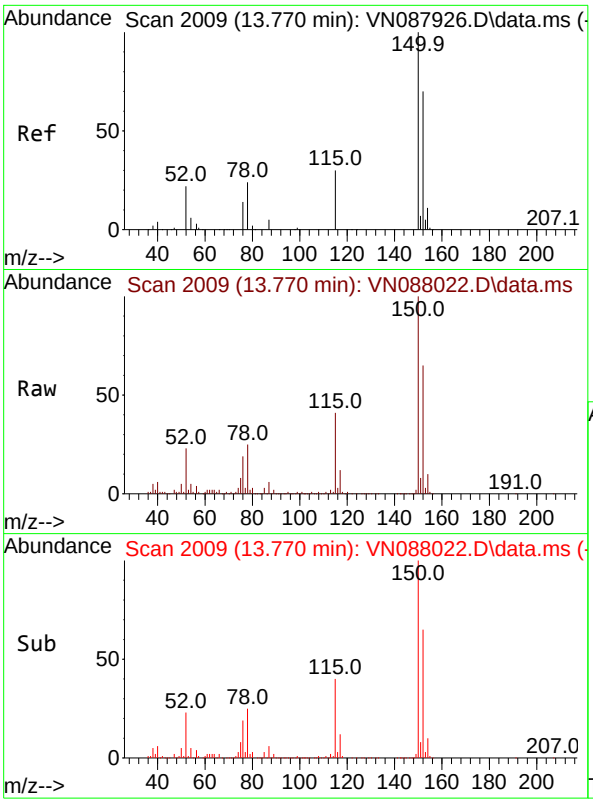


#69
o-Xylene
Concen: 3.522 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VN088022.D
Acq: 03 Oct 2025 14:38

Tgt Ion:106 Resp: 26208

Ion	Ratio	Lower	Upper
106	100		
91	208.0	108.2	324.6



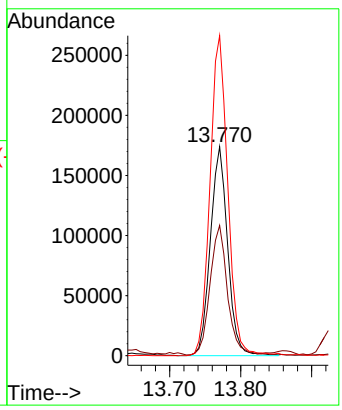


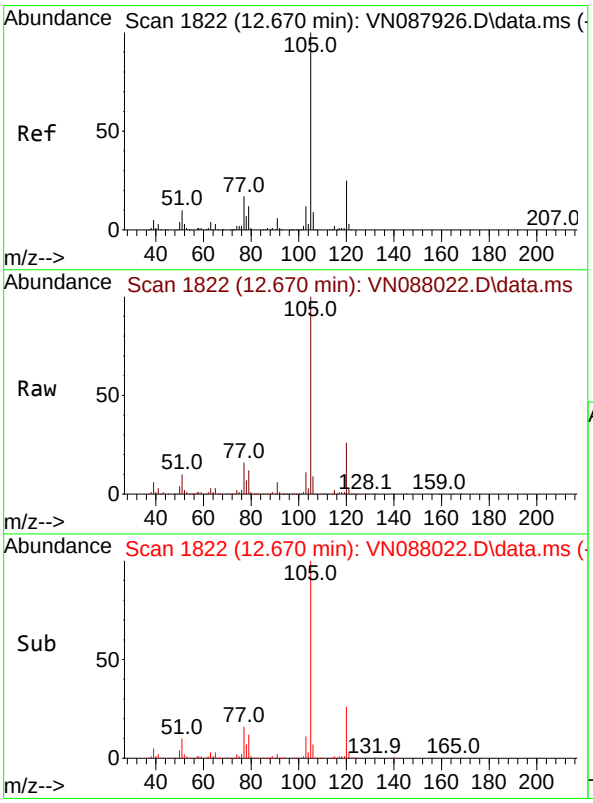
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN088022.D
Acq: 03 Oct 2025 14:38

Instrument :
MSVOA_N
ClientSampleId :
MW5

Tgt Ion:152 Resp: 295091

Ion	Ratio	Lower	Upper
152	100		
115	61.8	29.9	89.7
150	157.1	0.0	335.0

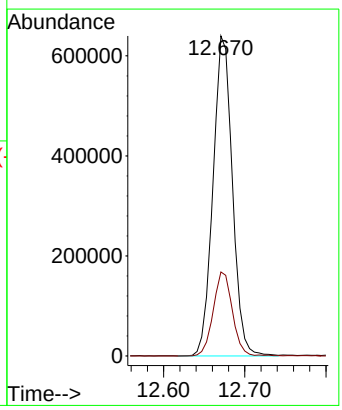


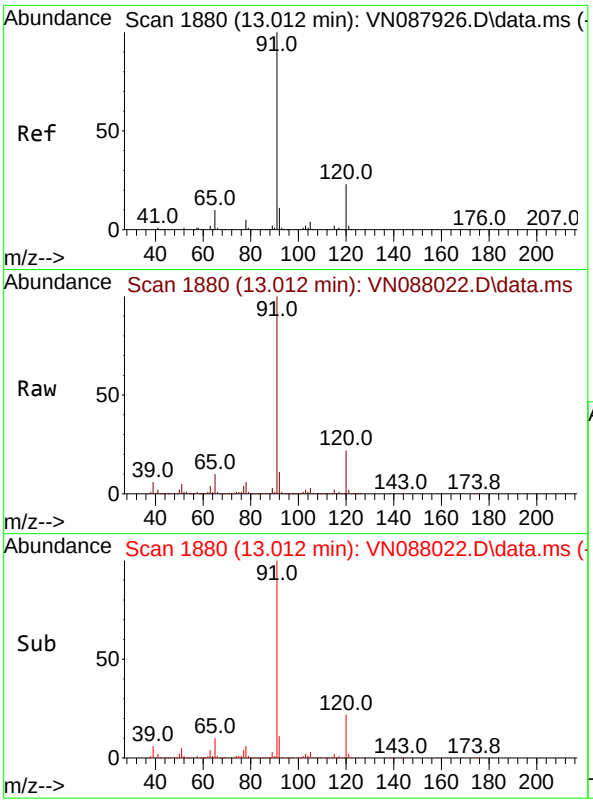


#73
Isopropylbenzene
Concen: 58.028 ug/l
RT: 12.670 min Scan# 1822
Delta R.T. 0.000 min
Lab File: VN088022.D
Acq: 03 Oct 2025 14:38

Tgt Ion:105 Resp: 1061275

Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.1	39.1



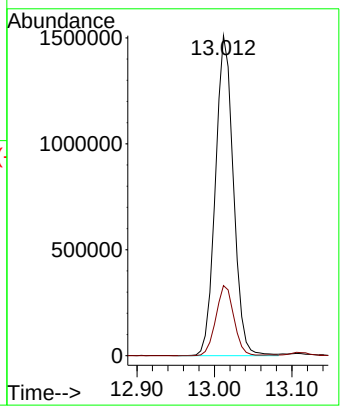


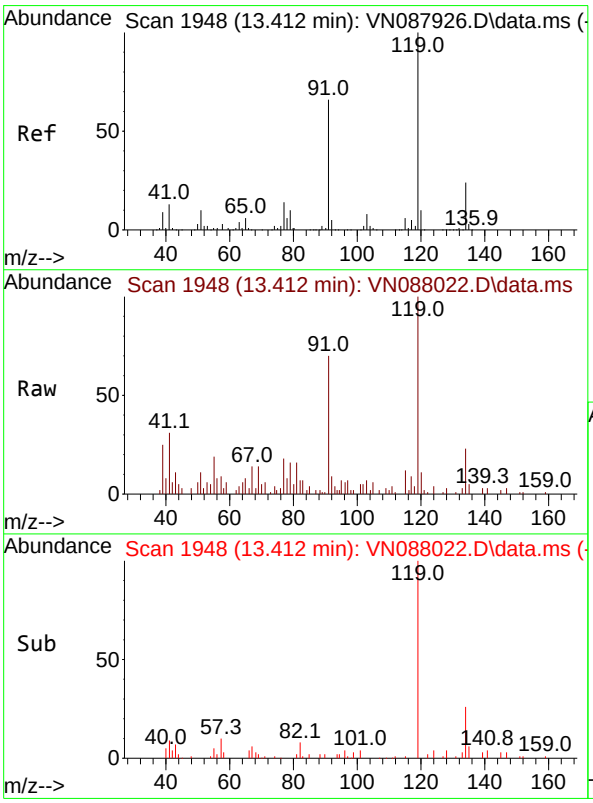
#78
n-propylbenzene
Concen: 106.383 ug/l
RT: 13.012 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN088022.D
Acq: 03 Oct 2025 14:38

Instrument :
MSVOA_N
ClientSampleId :
MW5

Tgt Ion: 91 Resp: 2432561

Ion	Ratio	Lower	Upper
91	100		
120	22.0	11.1	33.1

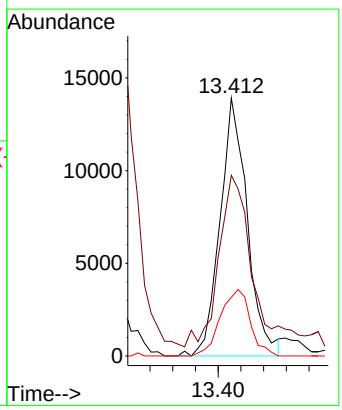


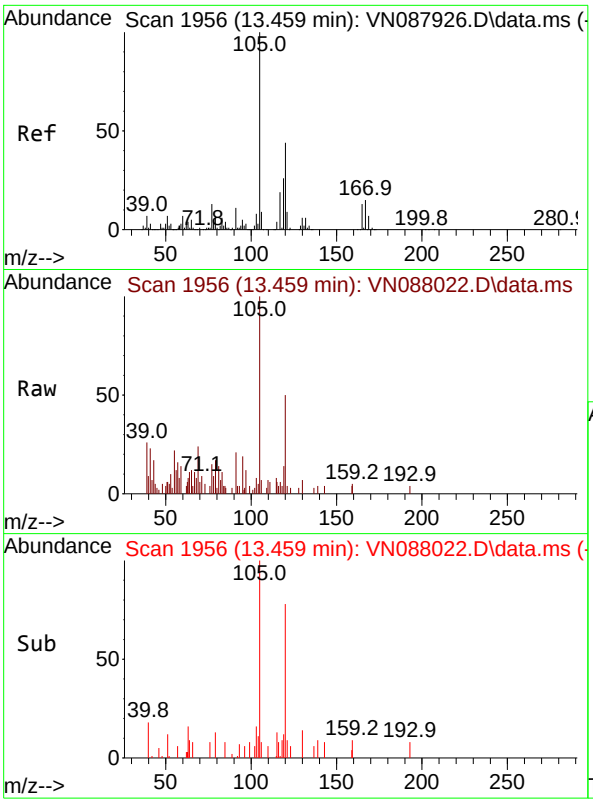


#83
tert-Butylbenzene
Concen: 1.734 ug/l
RT: 13.412 min Scan# 1948
Delta R.T. 0.000 min
Lab File: VN088022.D
Acq: 03 Oct 2025 14:38

Tgt Ion:119 Resp: 23219

Ion	Ratio	Lower	Upper
119	100		
91	83.4	32.1	96.3
134	28.1	12.3	36.8



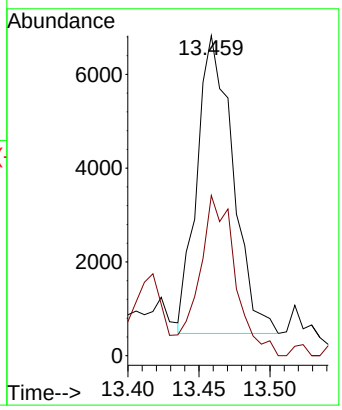


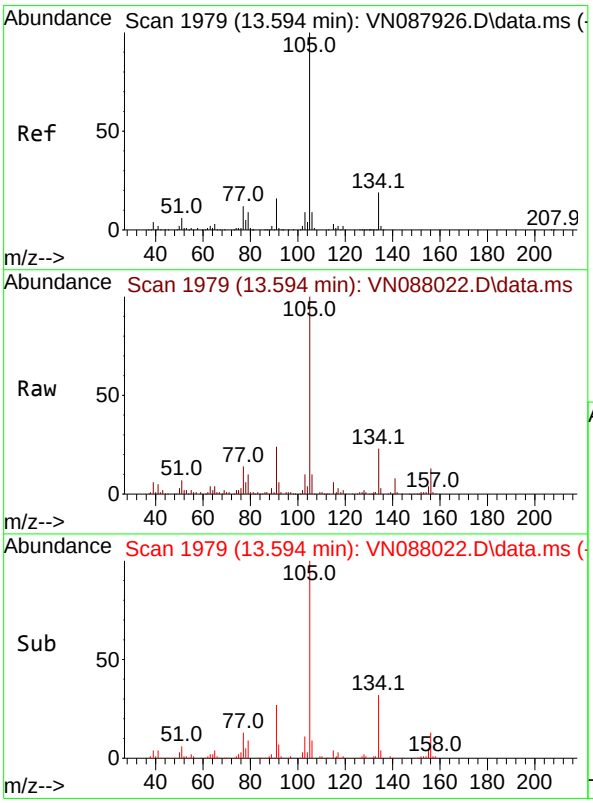
#84
1,2,4-Trimethylbenzene
Concen: 0.691 ug/l
RT: 13.459 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN088022.D
Acq: 03 Oct 2025 14:38

Instrument :
MSVOA_N
ClientSampleId :
MW5

Tgt Ion:105 Resp: 11207

Ion	Ratio	Lower	Upper
105	100		
120	52.7	22.4	67.3

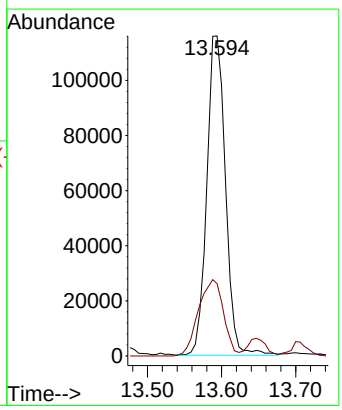




#85
sec-Butylbenzene
Concen: 10.349 ug/l
RT: 13.594 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VN088022.D
Acq: 03 Oct 2025 14:38

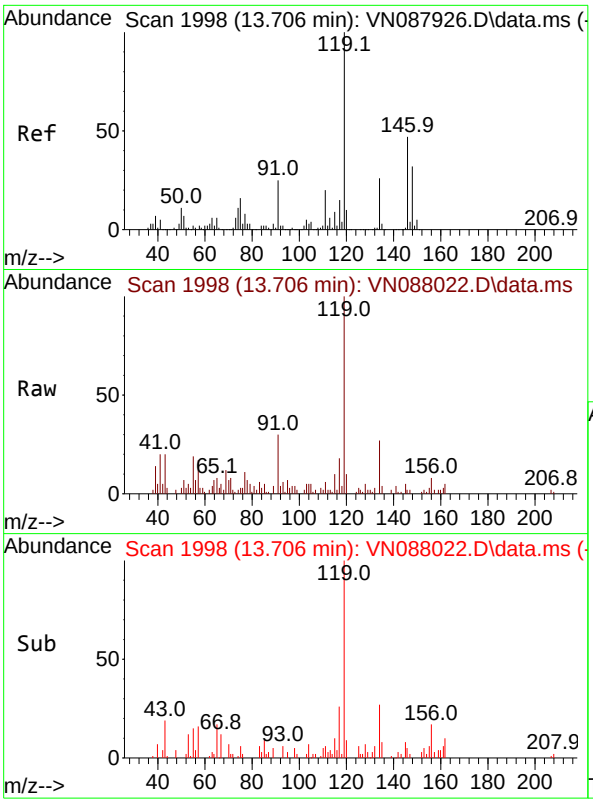
Tgt Ion:105 Resp: 203166

Ion	Ratio	Lower	Upper
105	100		
134	32.0	9.6	28.8#



5

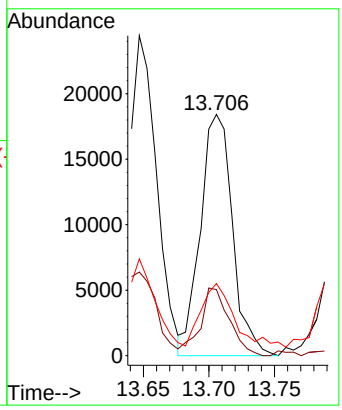
Instrument :
MSVOA_N
ClientSampleId :
MW5

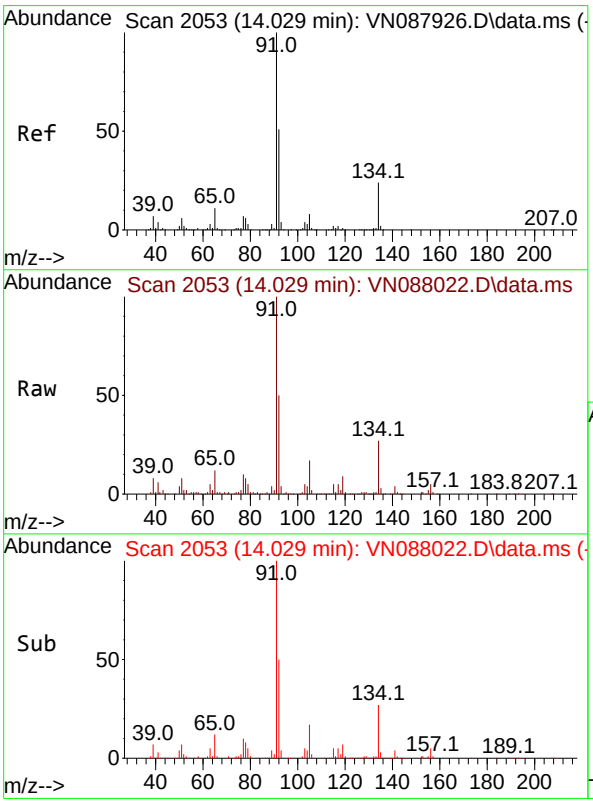


#86
p-Isopropyltoluene
Concen: 1.885 ug/l
RT: 13.706 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN088022.D
Acq: 03 Oct 2025 14:38

Tgt Ion:119 Resp: 31335

Ion	Ratio	Lower	Upper
119	100		
134	25.4	13.1	39.3
91	27.0	11.9	35.5

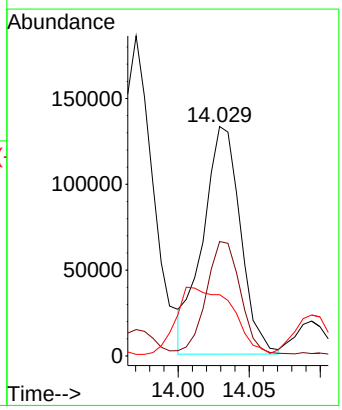




#89
n-Butylbenzene
Concen: 15.568 ug/l
RT: 14.029 min Scan# 2053
Delta R.T. 0.000 min
Lab File: VN088022.D
Acq: 03 Oct 2025 14:38

Tgt Ion: 91 Resp: 244616

Ion	Ratio	Lower	Upper
91	100		
92	45.0	25.9	77.8
134	0.0	12.6	37.8#



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088022.D
Acq On : 03 Oct 2025 14:38
Operator : JC\MD
Sample : Q3274-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW5

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Title : SW846 8260

Signal : TIC: VN088022.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.536	91	99	108	rBV	69628	128031	1.31%	0.099%
2	3.265	213	223	238	rBV	642083	1556713	15.89%	1.198%
3	3.653	278	289	302	rBV	656314	1713223	17.49%	1.319%
4	4.142	362	372	389	rVB2	238798	702938	7.18%	0.541%
5	4.424	408	420	441	rVB2	199798	647843	6.61%	0.499%
6	5.147	525	543	551	rBV7	66454	285425	2.91%	0.220%
7	5.336	551	575	608	rVB4	803300	5378302	54.91%	4.139%
8	5.800	637	654	675	rBV	722822	2527612	25.81%	1.945%
9	6.106	695	706	723	rVB4	54293	170897	1.74%	0.132%
10	6.300	728	739	750	rBV2	159528	492737	5.03%	0.379%
11	6.636	782	796	809	rBV	370028	1115772	11.39%	0.859%
12	6.777	810	820	830	rVV3	133007	422724	4.32%	0.325%
13	7.065	859	869	885	rVB5	165889	489777	5.00%	0.377%
14	7.206	885	893	899	rBV3	39959	105416	1.08%	0.081%
15	7.312	899	911	936	rVV	3171745	9352504	95.49%	7.198%
16	7.918	1006	1014	1018	rBV5	52037	132633	1.35%	0.102%
17	7.988	1018	1026	1034	rVB	377449	927356	9.47%	0.714%
18	8.147	1045	1053	1057	rBV2	269425	635712	6.49%	0.489%
19	8.241	1057	1069	1077	rVV2	2380424	7293420	74.47%	5.613%
20	8.312	1077	1081	1092	rVB5	266495	677718	6.92%	0.522%
21	8.430	1092	1101	1107	rBV	361679	841829	8.60%	0.648%
22	8.494	1107	1112	1118	rVB	170015	342666	3.50%	0.264%
23	8.588	1118	1128	1138	rVB2	1272491	3262098	33.31%	2.511%
24	8.706	1138	1148	1154	rBV5	655650	1803059	18.41%	1.388%
25	8.771	1154	1159	1164	rVB2	458737	849773	8.68%	0.654%
26	8.835	1164	1170	1179	rVB	719203	1628825	16.63%	1.254%
27	8.924	1179	1185	1199	rVB6	70077	218559	2.23%	0.168%
28	9.082	1202	1212	1219	rBV2	1066370	2518424	25.71%	1.938%
29	9.241	1234	1239	1245	rVB	54338	100119	1.02%	0.077%
30	9.312	1245	1251	1256	rBV	120809	251294	2.57%	0.193%
31	9.365	1256	1260	1268	rVB	141586	285758	2.92%	0.220%
32	9.582	1278	1297	1313	rBV	2789597	6915789	70.61%	5.323%
33	9.759	1313	1327	1334	rBV	405562	810766	8.28%	0.624%
34	9.841	1334	1341	1347	rVB3	90062	177753	1.81%	0.137%
35	9.947	1356	1359	1363	rVB2	141568	207275	2.12%	0.160%
36	9.982	1363	1365	1375	rVB4	128766	220762	2.25%	0.170%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088022.D
Acq On : 03 Oct 2025 14:38
Operator : JC\MD
Sample : Q3274-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW5

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Title : SW846 8260

37	10.082	1375	1382	1388	rBV	752863	1483190	15.14%	1.142%
38	10.135	1388	1391	1395	rVV4	81246	115955	1.18%	0.089%
39	10.318	1413	1422	1434	rBV5	127978	368848	3.77%	0.284%
40	10.429	1434	1441	1453	rVB	563786	1152950	11.77%	0.887%
41	10.547	1453	1461	1466	rBV	1259125	2380957	24.31%	1.832%
42	10.606	1467	1471	1478	rVB	174741	360763	3.68%	0.278%
43	10.735	1485	1493	1504	rVB4	212583	609139	6.22%	0.469%
44	10.888	1513	1519	1525	rBV3	177969	332642	3.40%	0.256%
45	10.965	1525	1532	1542	rVB4	253702	698909	7.14%	0.538%
46	11.235	1570	1578	1581	rBV4	77452	168580	1.72%	0.130%
47	11.276	1581	1585	1588	rVV2	91710	149720	1.53%	0.115%
48	11.318	1588	1592	1595	rVV3	88241	160912	1.64%	0.124%
49	11.353	1595	1598	1602	rVV3	122943	232775	2.38%	0.179%
50	11.394	1602	1605	1610	rVV2	177701	306932	3.13%	0.236%
51	11.653	1638	1649	1656	rBV10	46880	126690	1.29%	0.098%
52	11.841	1674	1681	1688	rBV	1019944	1871201	19.11%	1.440%
53	11.941	1693	1698	1708	rVB	636914	1086028	11.09%	0.836%
54	12.053	1709	1717	1722	rBV	251056	543167	5.55%	0.418%
55	12.376	1762	1772	1782	rBV5	99184	300701	3.07%	0.231%
56	12.553	1792	1802	1807	rBV6	61703	162961	1.66%	0.125%
57	12.670	1814	1822	1838	rBV	1590611	2751430	28.09%	2.118%
58	12.829	1842	1849	1857	rVV	718671	1327144	13.55%	1.021%
59	13.012	1873	1880	1887	rBV	3054797	4912791	50.16%	3.781%
60	13.106	1892	1896	1902	rBV	110480	172044	1.76%	0.132%
61	13.312	1924	1931	1938	rVB	372935	638169	6.52%	0.491%
62	13.588	1969	1978	1984	rBV2	372631	950904	9.71%	0.732%
63	13.647	1985	1988	1994	rVB3	119584	191200	1.95%	0.147%
64	13.770	2002	2009	2018	rBV2	1050745	1979464	20.21%	1.523%
65	13.859	2021	2024	2029	rVB	106831	163867	1.67%	0.126%
66	13.929	2029	2036	2038	rBV	943386	1476562	15.08%	1.136%
67	13.970	2038	2043	2048	rVB	3065745	4662112	47.60%	3.588%
68	14.094	2059	2064	2071	rVB3	313281	555371	5.67%	0.427%
69	14.223	2081	2086	2093	rVB2	72531	124633	1.27%	0.096%
70	14.306	2093	2100	2106	rBV	2640078	4061511	41.47%	3.126%
71	14.370	2106	2111	2114	rVV	603715	939429	9.59%	0.723%
72	14.417	2114	2119	2126	rVB2	2180452	3820293	39.01%	2.940%
73	14.488	2126	2131	2135	rBV4	70689	123993	1.27%	0.095%
74	14.553	2139	2142	2147	rVB	98580	147005	1.50%	0.113%
75	14.629	2147	2155	2164	rVB	1673264	2798152	28.57%	2.154%
76	14.706	2164	2168	2172	rBV	139368	212498	2.17%	0.164%

Sample Results: **VN088022.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088022.D
Acq On : 03 Oct 2025 14:38
Operator : JC\MD
Sample : Q3274-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW5

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Title : SW846 8260

77	14.776	2173	2180	2184	rBV2	87559	169820	1.73%	0.131%
78	14.900	2196	2201	2207	rBV	1627691	2723031	27.80%	2.096%
79	15.023	2213	2222	2229	rBV3	3136959	7431489	75.88%	5.720%
80	15.182	2244	2249	2255	rBV3	192940	353099	3.61%	0.272%
81	15.288	2255	2267	2272	rVV2	654049	1672064	17.07%	1.287%
82	15.335	2272	2275	2280	rVV2	323556	568031	5.80%	0.437%
83	15.411	2280	2288	2296	rVB2	613931	1525709	15.58%	1.174%
84	15.564	2308	2314	2320	rVB4	132221	239772	2.45%	0.185%
85	15.670	2326	2332	2336	rBV2	231548	440639	4.50%	0.339%
86	15.723	2336	2341	2344	rBV4	166346	318591	3.25%	0.245%
87	15.911	2366	2373	2381	rBV	393241	857542	8.76%	0.660%
88	16.094	2396	2404	2407	rVV3	313778	694206	7.09%	0.534%
89	16.135	2407	2411	2421	rVB	438387	909118	9.28%	0.700%
90	16.223	2421	2426	2432	rBV3	142130	275571	2.81%	0.212%
91	16.311	2434	2441	2457	rVB3	260546	824734	8.42%	0.635%
92	16.470	2459	2468	2480	rBV3	356831	925733	9.45%	0.712%
93	16.676	2494	2503	2507	rBV6	163003	396021	4.04%	0.305%
94	16.747	2507	2515	2522	rBV	4454430	9794154	100.00%	7.538%

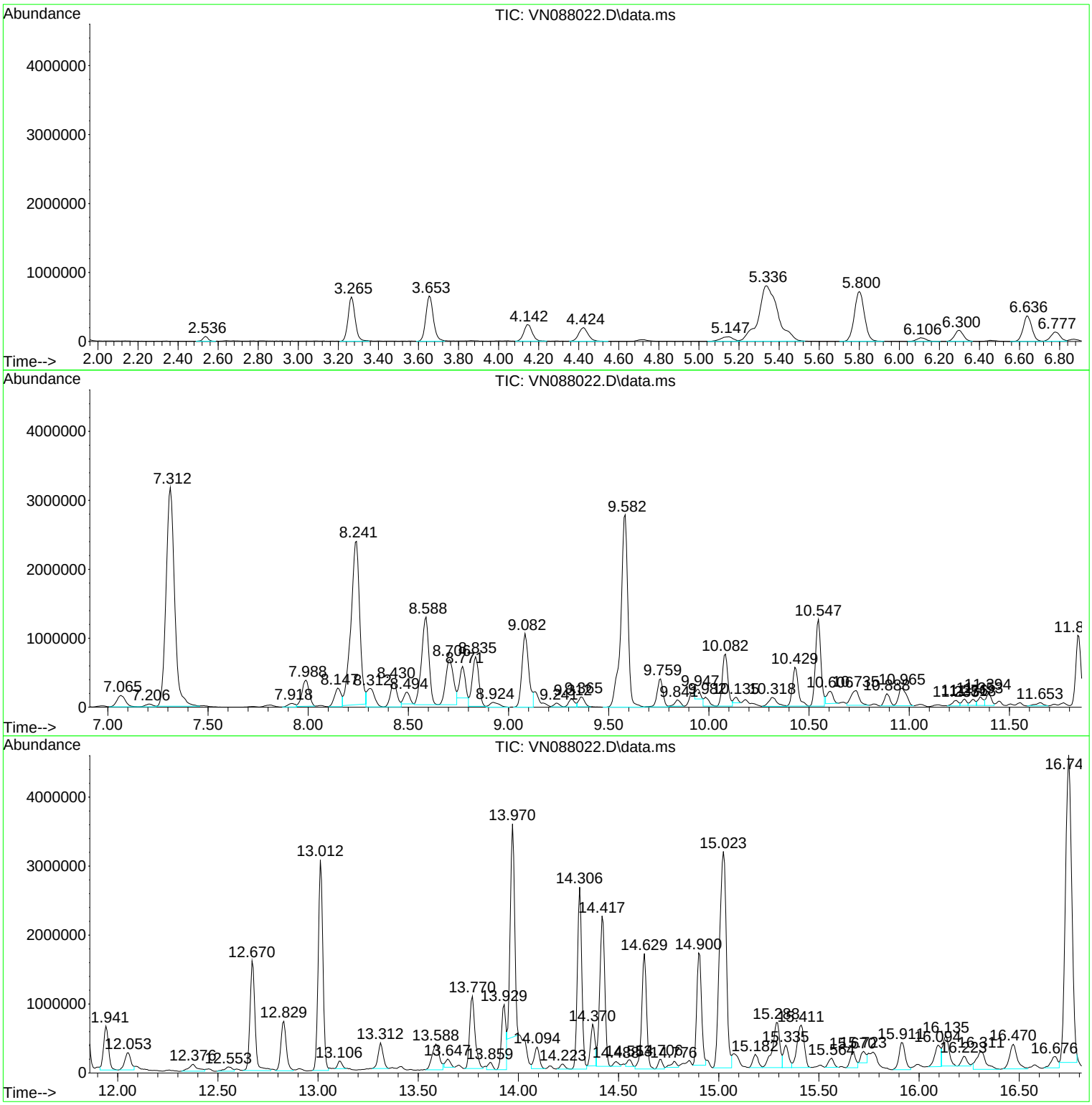
Sum of corrected areas: 129932418

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088022.D
Acq On : 03 Oct 2025 14:38
Operator : JC\MD
Sample : Q3274-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



```
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088022.D
Acq On    : 03 Oct 2025  14:38
Operator  : JC\MD
Sample    : Q3274-02
Misc      : 5.0mL/MSVOA_N/WATER
ALS Vial  : 13   Sample Multiplier: 1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title  : SW846 8260

TIC Library   : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P
```

Instrument :
MSVOA_N
ClientSampleId :
MW5

5

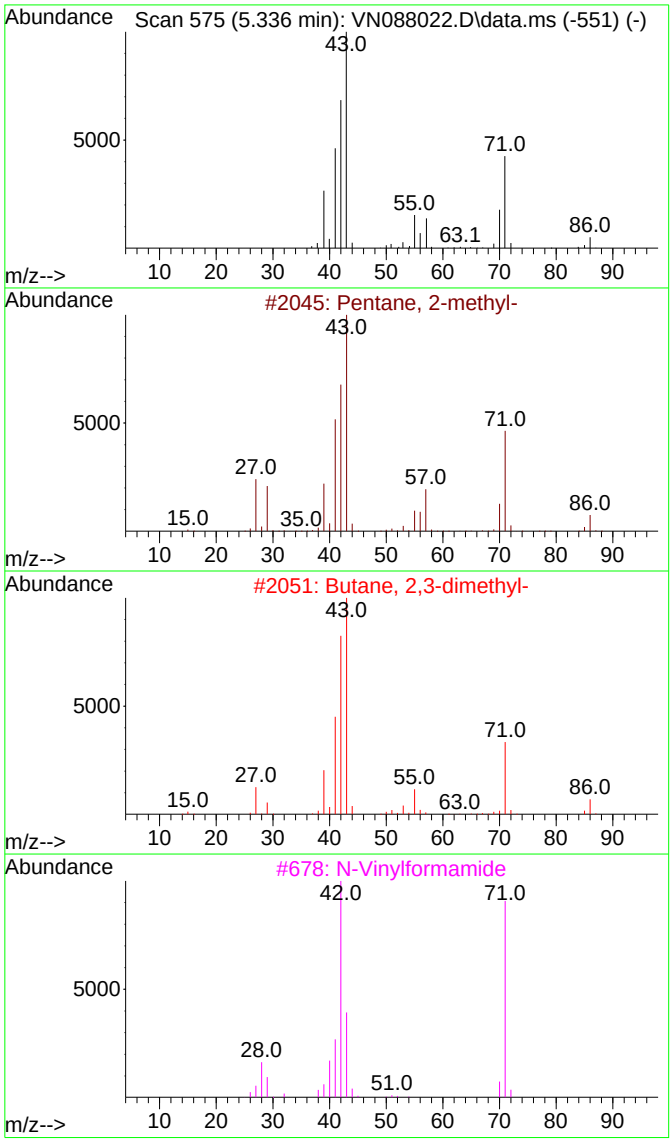
A B C D E F G H I J

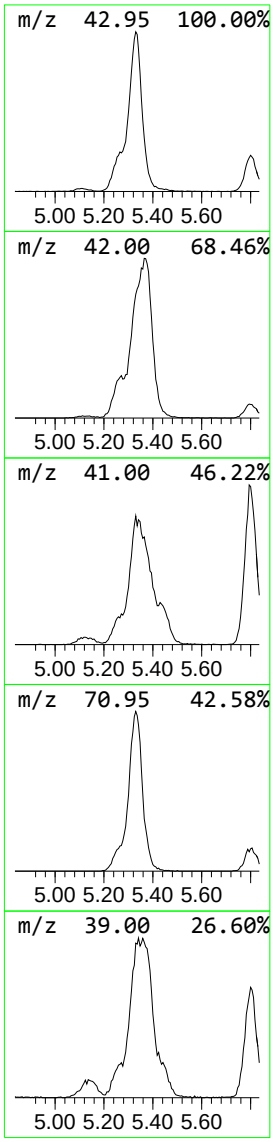
****

Peak Number 1 Pentane, 2-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.336	36.87 ug/l	5378300	Pentafluorobenzene	8.206

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 2-methyl-	86	C6H14	000107-83-5	91
2	Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	83
3	N-Vinylformamide	71	C3H5NO	013162-05-5	38
4	Furan, tetrahydro-2-methyl-	86	C5H10O	000096-47-9	38
5	Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	38





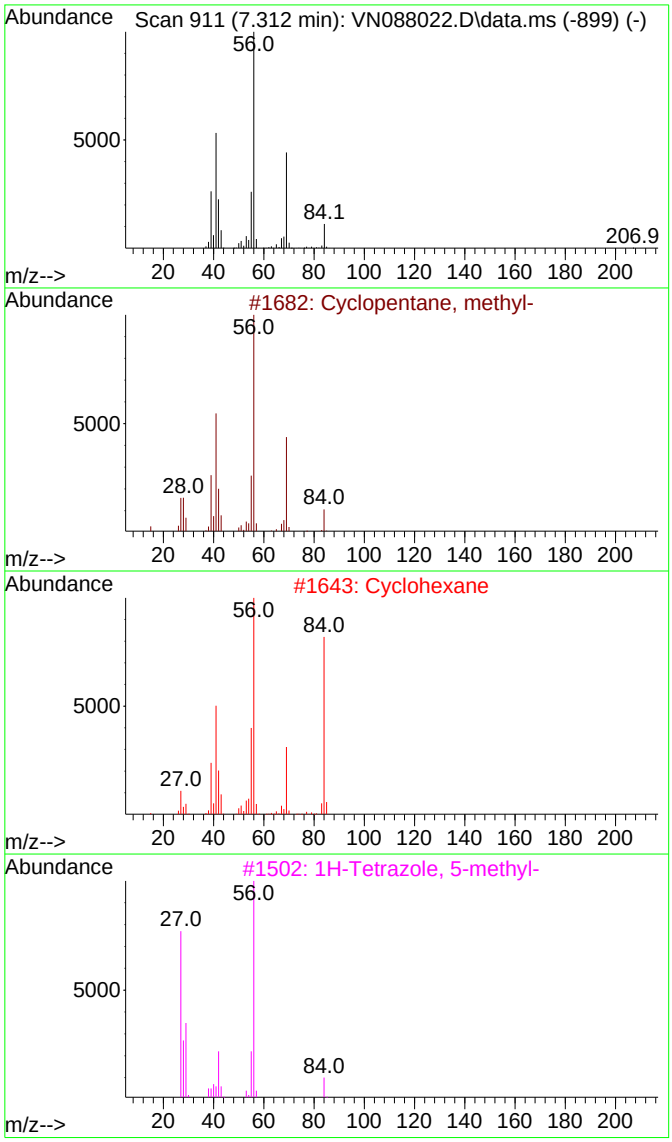
```
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088022.D
Acq On    : 03 Oct 2025  14:38
Operator  : JC\MD
Sample    : Q3274-02
Misc      : 5.0mL/MSVOA_N/WATER
ALS Vial  : 13   Sample Multiplier: 1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title  : SW846 8260

TIC Library   : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P
```

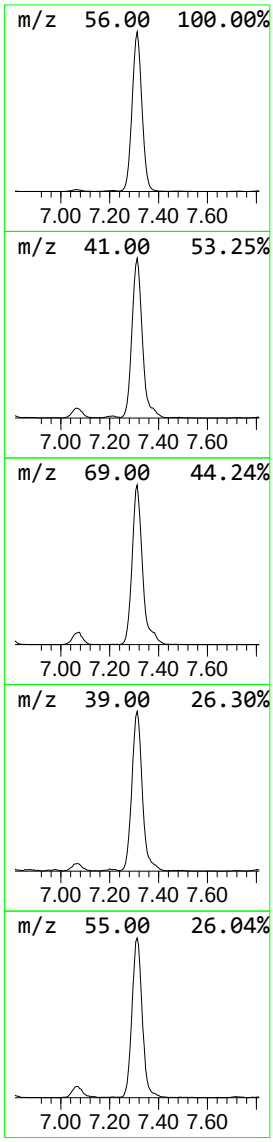
Instrument :
MSVOA_N
ClientSampleId :
MW5

Peak Number 2 Cyclopentane, methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.312	64.12 ug/l	9352500	Pentafluorobenzene	8.206

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	94
2	Cyclohexane	84	C6H12	000110-82-7	80
3	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	72
4	Cyclobutane, ethyl-	84	C6H12	004806-61-5	64
5	Cyclobutane	56	C4H8	000287-23-0	53





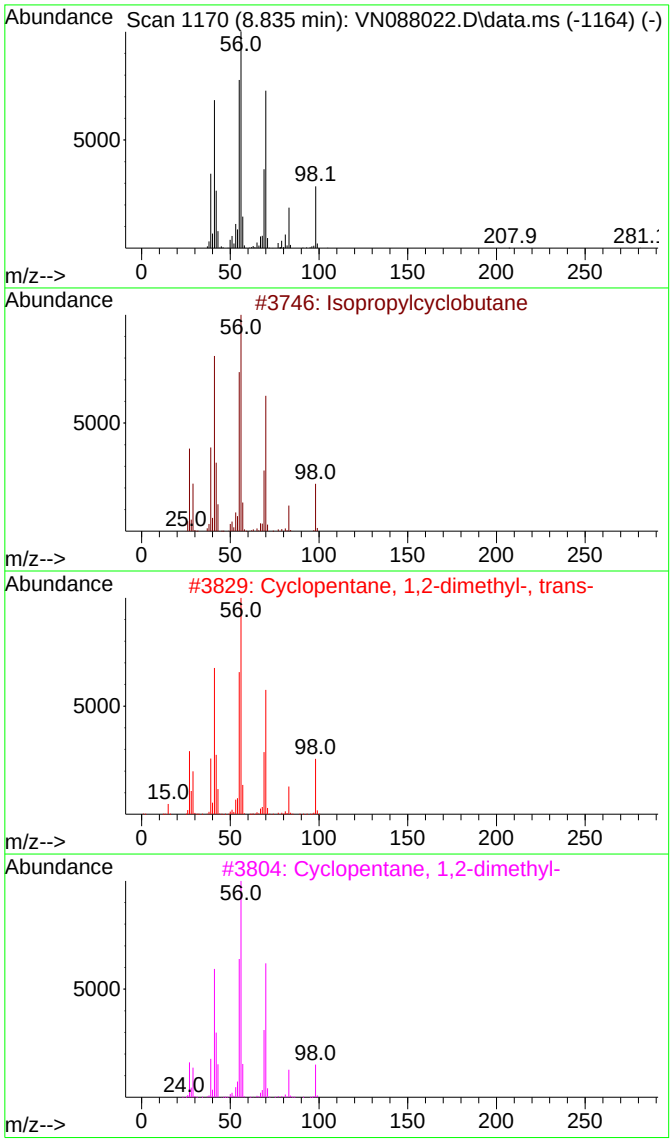
```
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088022.D
Acq On    : 03 Oct 2025  14:38
Operator  : JC\MD
Sample    : Q3274-02
Misc      : 5.0mL/MSVOA_N/WATER
ALS Vial  : 13   Sample Multiplier: 1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title  : SW846 8260

TIC Library   : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P
```

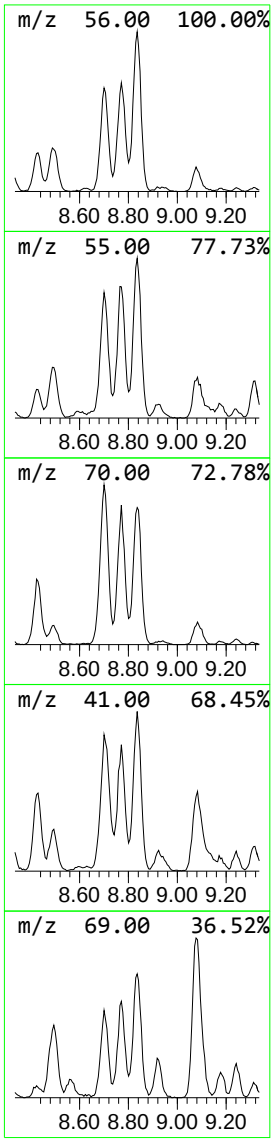
Instrument :
MSVOA_N
ClientSampleId :
MW5

Peak Number 4 Isopropylcyclobutane Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.835	32.34 ug/l	1628830	1,4-Difluorobenzene	9.082

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Isopropylcyclobutane	98	C7H14	000872-56-0	94
2	Cyclopentane, 1,2-dimethyl-, trans-	98	C7H14	000822-50-4	91
3	Cyclopentane, 1,2-dimethyl-	98	C7H14	002452-99-5	91
4	Cyclopentane, 1,3-dimethyl-, trans-	98	C7H14	001759-58-6	86
5	Cyclopentane, 1,3-dimethyl-, cis-	98	C7H14	002532-58-3	80





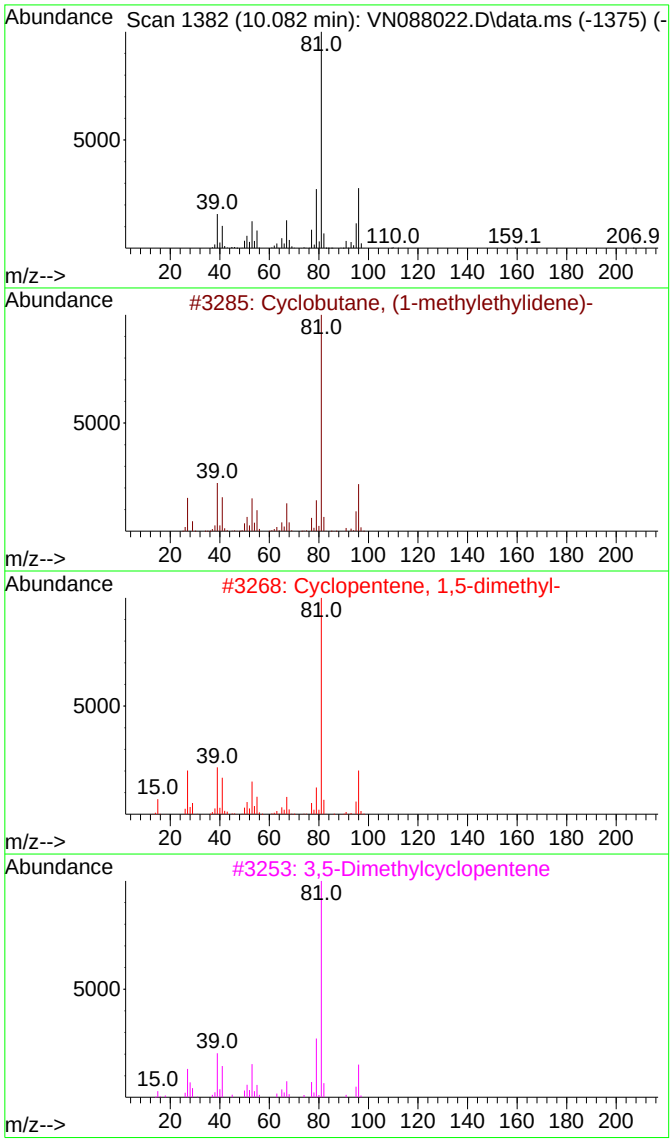
```
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088022.D
Acq On    : 03 Oct 2025  14:38
Operator  : JC\MD
Sample    : Q3274-02
Misc      : 5.0mL/MSVOA_N/WATER
ALS Vial  : 13   Sample Multiplier: 1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title  : SW846 8260

TIC Library   : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P
```

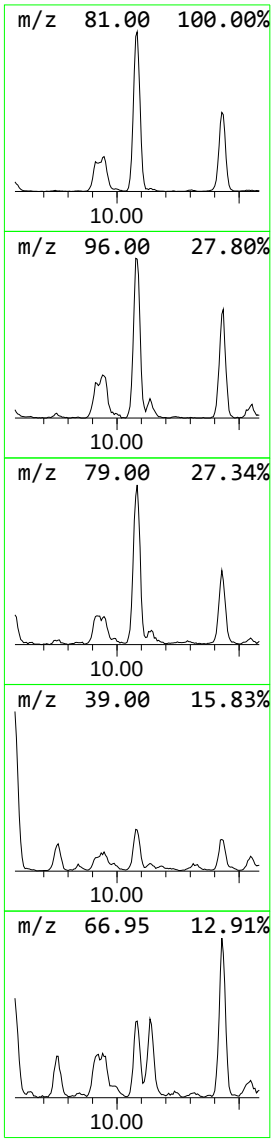
Instrument :
MSVOA_N
ClientSampleId :
MW5

Peak Number 5 Cyclobutane, (1-methylethyl... Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.082	29.45 ug/l	1483190	1,4-Difluorobenzene	9.082

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclobutane, (1-methylethylidene)-	96	C7H12	001528-22-9	90
2	Cyclopentene, 1,5-dimethyl-	96	C7H12	016491-15-9	83
3	3,5-Dimethylcyclopentene	96	C7H12	007459-71-4	78
4	Cyclopropane, 1-methyl-1-isoprop...	96	C7H12	003422-07-9	78
5	2,3-Dimethyl-1,4-pentadiene	96	C7H12	000758-86-1	72





```
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088022.D
Acq On    : 03 Oct 2025  14:38
Operator  : JC\MD
Sample    : Q3274-02
Misc      : 5.0mL/MSVOA_N/WATER
ALS Vial  : 13   Sample Multiplier: 1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title  : SW846 8260

TIC Library   : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P
```

Instrument :
MSVOA_N
ClientSampleId :
MW5

5

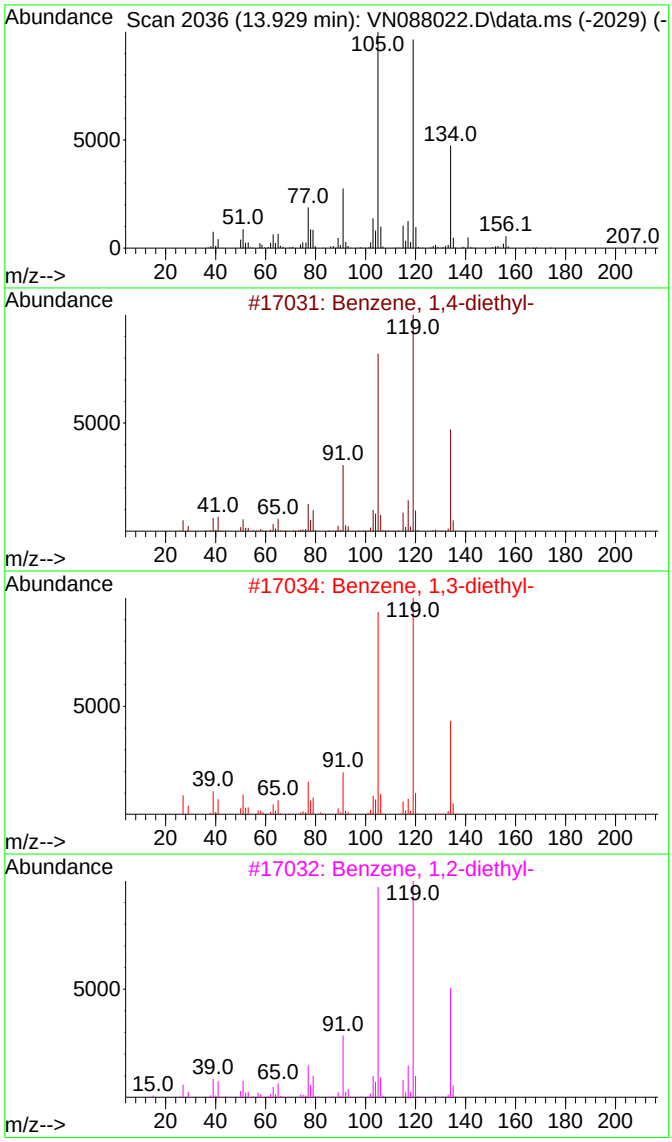
A B C D E F G H I J

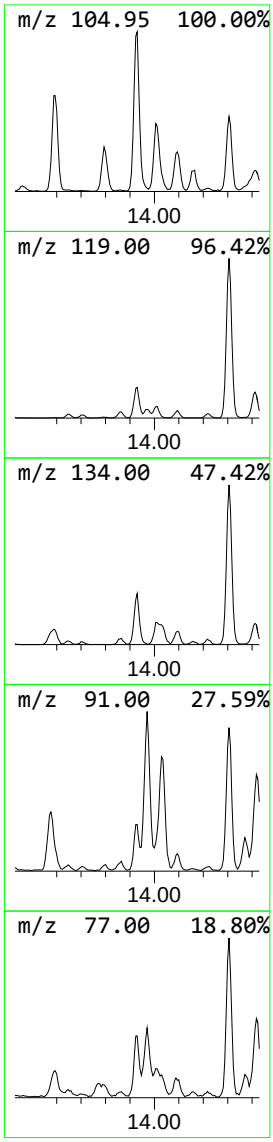
****

Peak Number 6 Benzene, 1,4-diethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.929	37.30 ug/l	1476560	1,4-Dichlorobenzene-d4	13.770

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	97
2	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	96
3	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
4	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91
5	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088022.D
Acq On : 03 Oct 2025 14:38
Operator : JC\MD
Sample : Q3274-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260

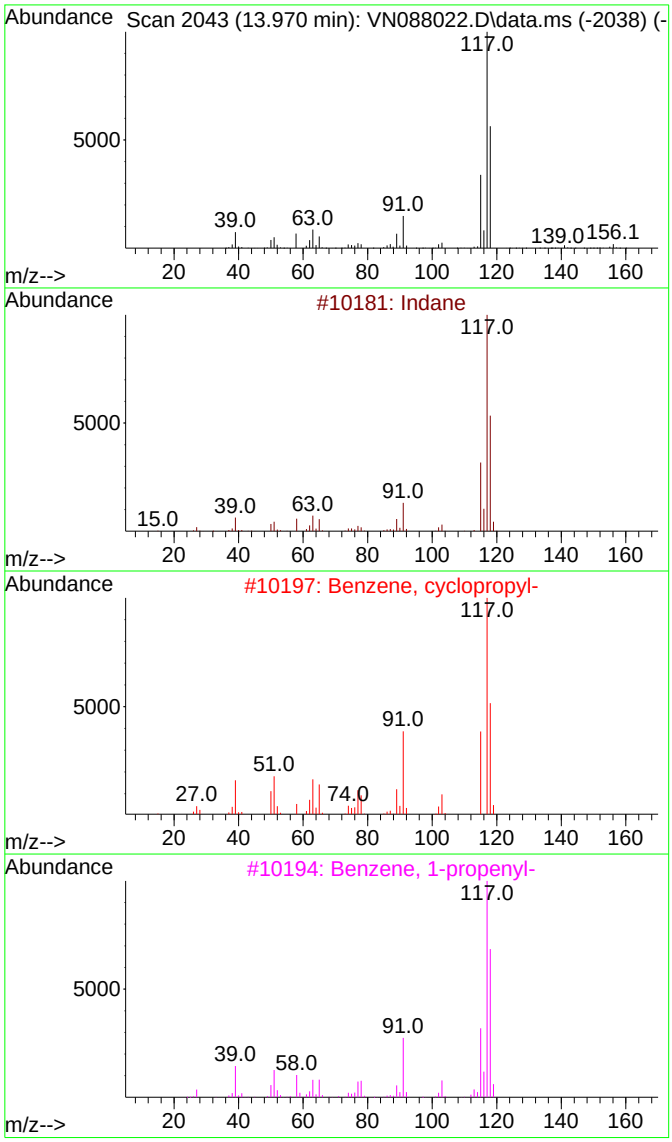
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

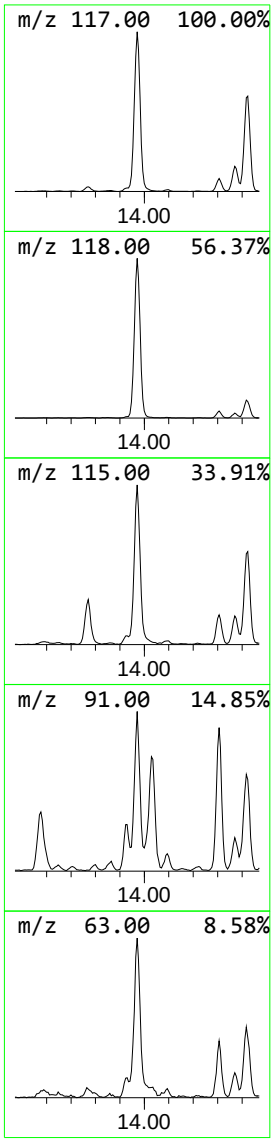
****

Peak Number 7 Indane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.970	117.76 ug/l	4662110	1,4-Dichlorobenzene-d4	13.770

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	94
2	Benzene, cyclopropyl-	118	C9H10	000873-49-4	64
3	Benzene, 1-propenyl-	118	C9H10	000637-50-3	64
4	Benzene, 2-propenyl-	118	C9H10	000300-57-2	59
5	Benzene, 1-(chloromethyl)-4-ethe...	152	C9H9Cl	001592-20-7	59





```
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088022.D
Acq On    : 03 Oct 2025  14:38
Operator  : JC\MD
Sample    : Q3274-02
Misc      : 5.0mL/MSVOA_N/WATER
ALS Vial  : 13   Sample Multiplier: 1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title  : SW846 8260

TIC Library   : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P
```

Instrument :
MSVOA_N
ClientSampleId :
MW5

5

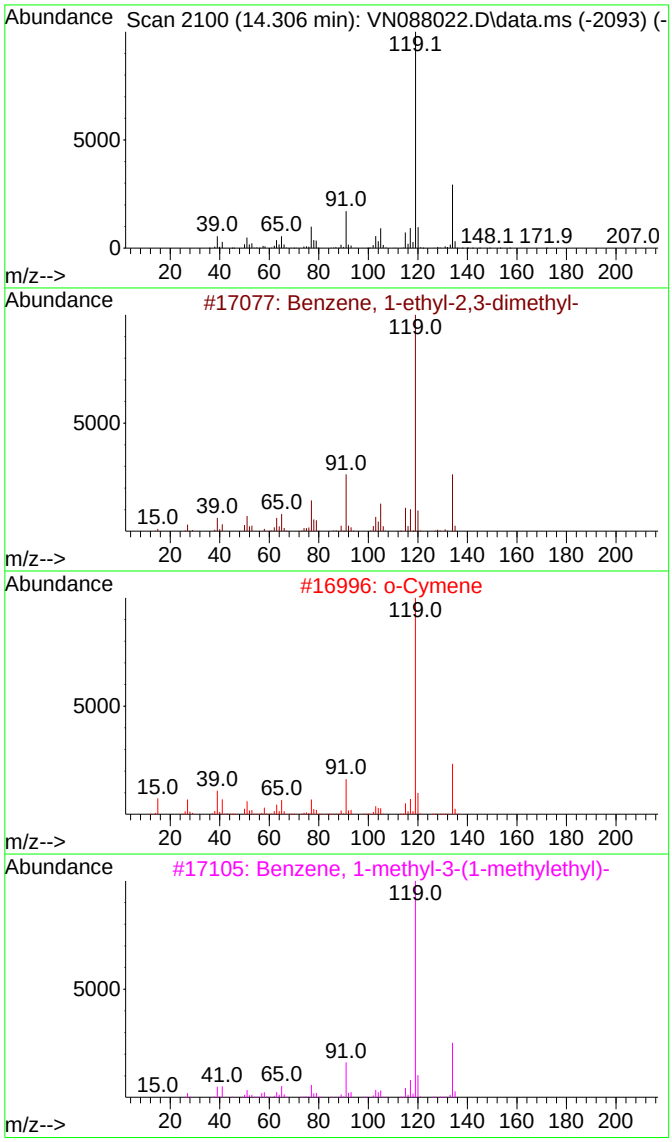
A B C D E F G H I J

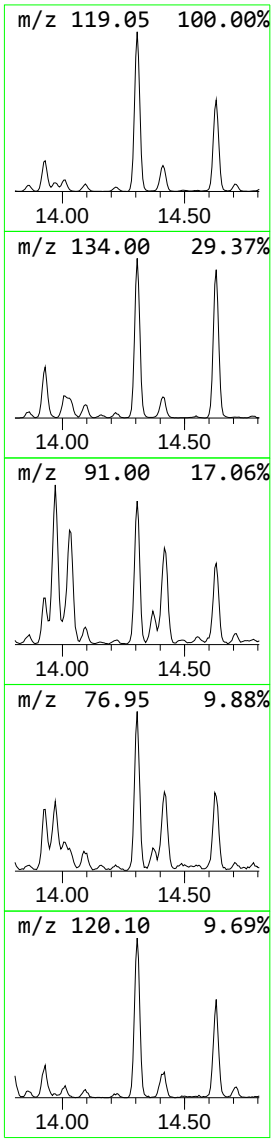
****

Peak Number 8 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.306	102.59 ug/l	4061510	1,4-Dichlorobenzene-d4	13.770

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	96
2	o-Cymene	134	C10H14	000527-84-4	95
3	Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
5	p-Cymene	134	C10H14	000099-87-6	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088022.D
Acq On : 03 Oct 2025 14:38
Operator : JC\MD
Sample : Q3274-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW5

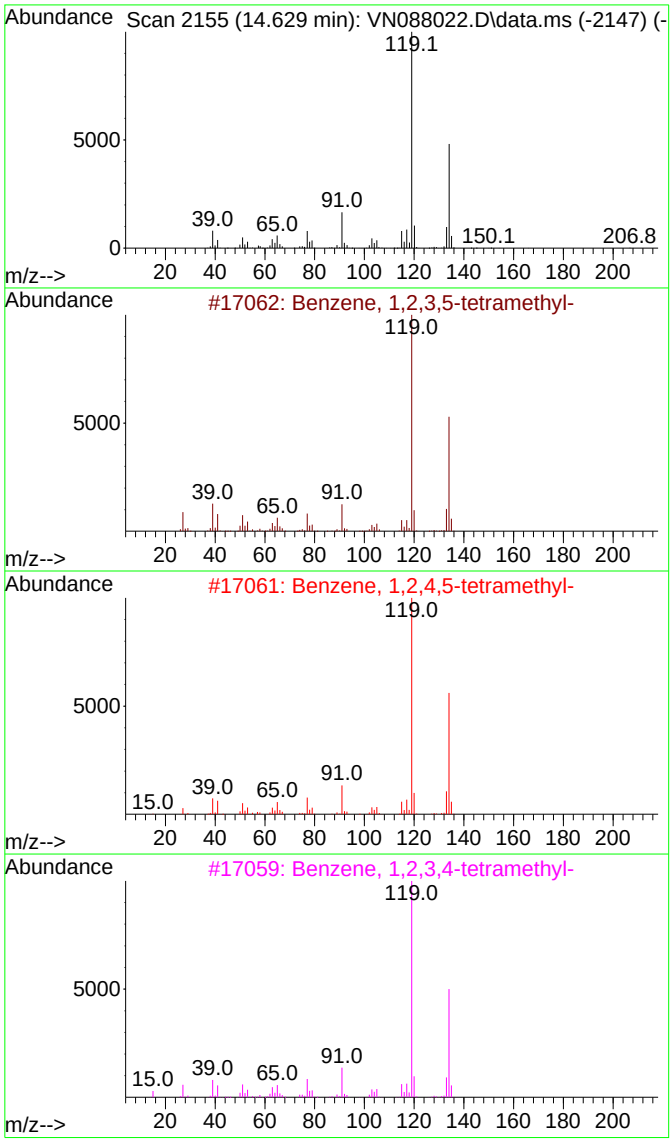
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260

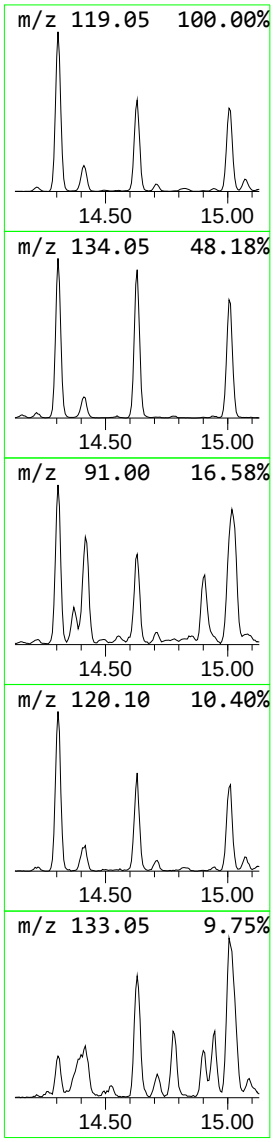
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.629	70.68 ug/l	2798150	1,4-Dichlorobenzene-d4	13.770

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	97
2	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
3	Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
4	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
5	o-Cymene	134	C10H14	000527-84-4	94





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088022.D
Acq On : 03 Oct 2025 14:38
Operator : JC\MD
Sample : Q3274-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW5

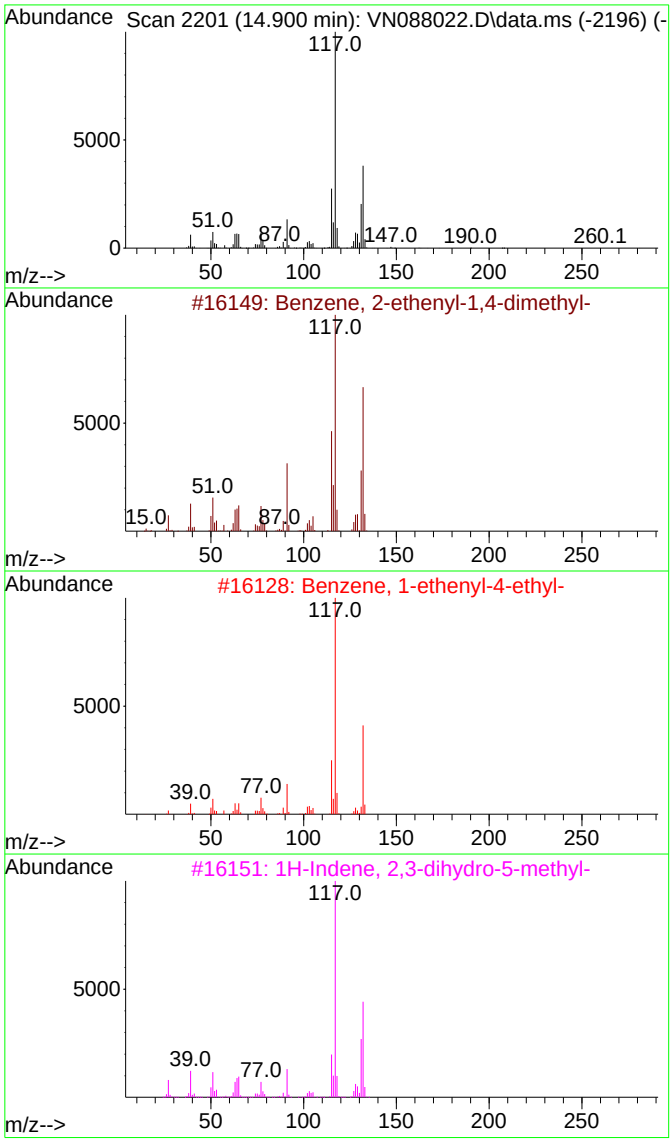
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260

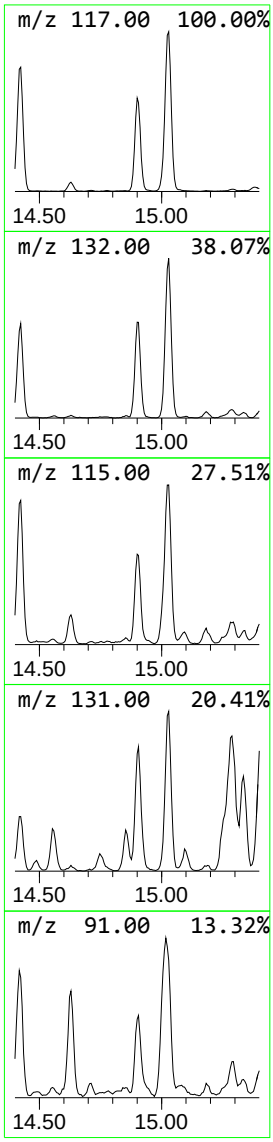
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 11 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.900	68.78 ug/l	2723030	1,4-Dichlorobenzene-d4	13.770

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	96
2	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	94
3	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	92
4	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	90
5	3-Phenylbut-1-ene	132	C10H12	000934-10-1	90





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088022.D
Acq On : 03 Oct 2025 14:38
Operator : JC\MD
Sample : Q3274-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW5

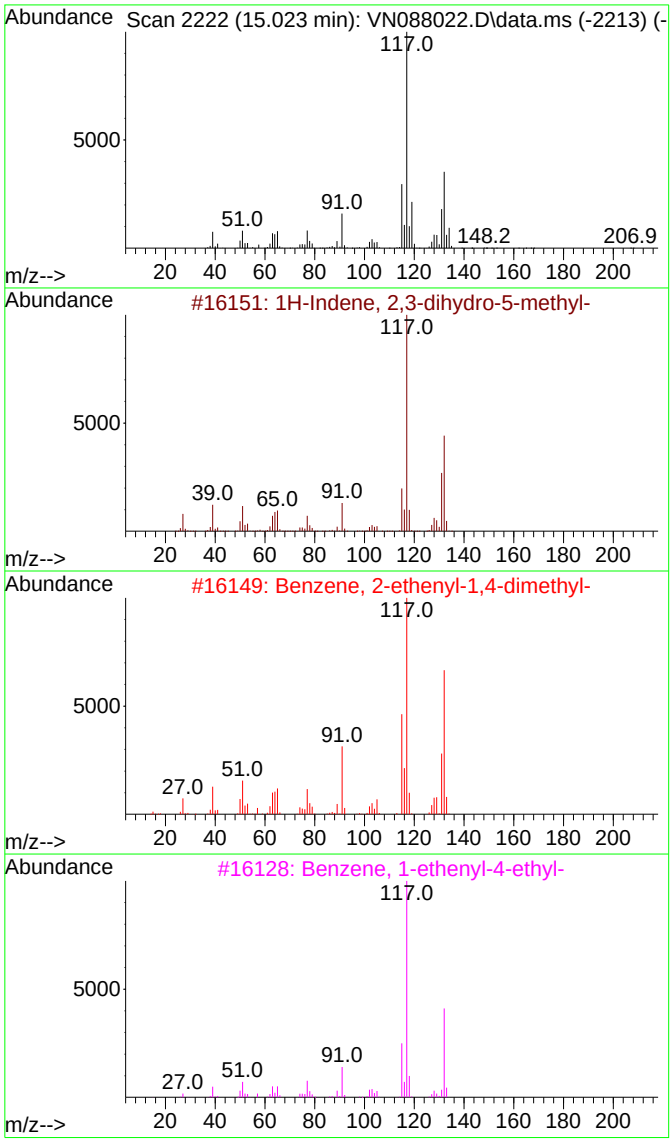
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260

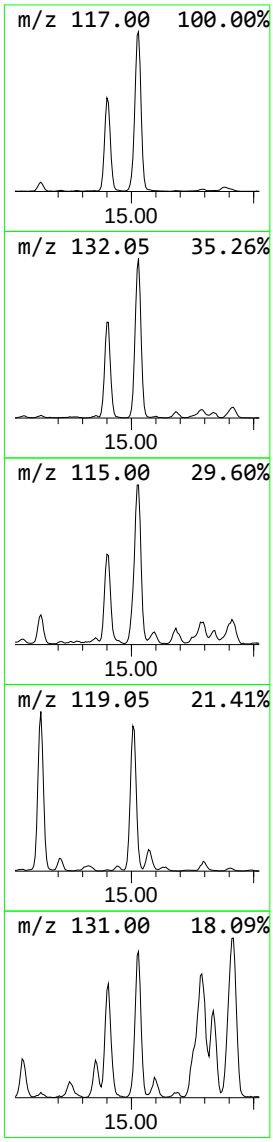
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 12 1H-Indene, 2,3-dihydro-5-me... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.023	187.72 ug/l	7431490	1,4-Dichlorobenzene-d4	13.770

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	95
2	Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	95
3	Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	94
4	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	93
5	3-Phenylbut-1-ene	132	C10H12	000934-10-1	87





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088022.D
Acq On : 03 Oct 2025 14:38
Operator : JC\MD
Sample : Q3274-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW5

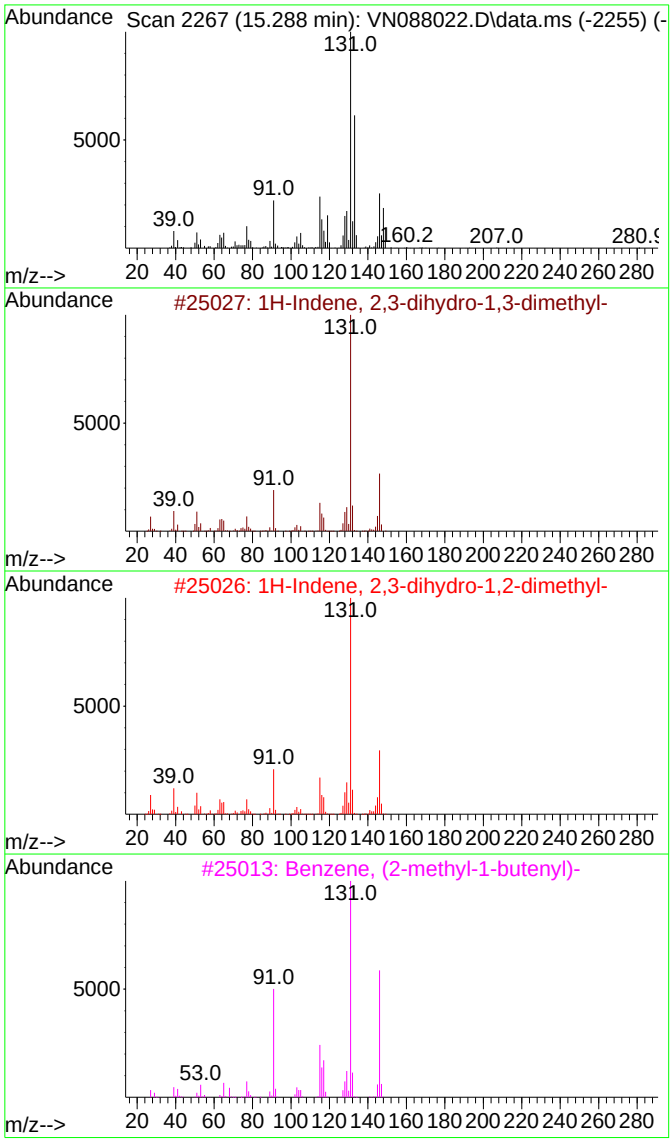
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260

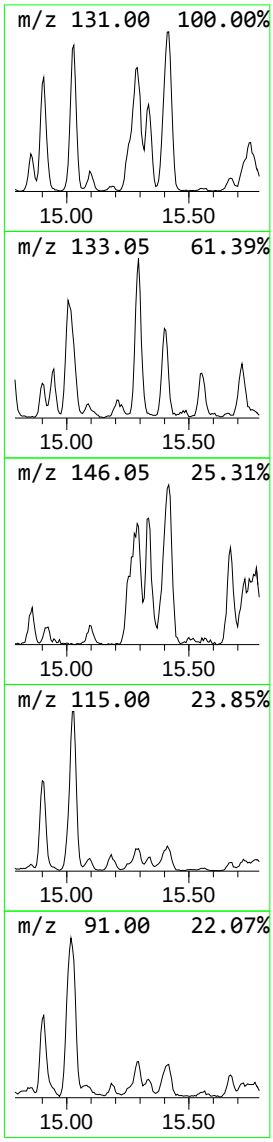
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 13 1H-Indene, 2,3-dihydro-1,3-... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.288	42.24 ug/l	1672060	1,4-Dichlorobenzene-d4	13.770

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	92
2	1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	91
3	Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	70
4	Benzene, 2-ethenyl-1,3,5-trimethyl-	146	C11H14	000769-25-5	70
5	Benzene, 1-methyl-3-(1-methyl-2-...	146	C11H14	052161-57-6	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088022.D
Acq On : 03 Oct 2025 14:38
Operator : JC\MD
Sample : Q3274-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Pentane, 2-methyl-	5.336	36.9	ug/l	5378300	1	8.206	7293420	50.0
Cyclopentane, m...	7.312	64.1	ug/l	9352500	1	8.206	7293420	50.0
Isopropylcyclob...	8.835	32.3	ug/l	1628830	2	9.082	2518420	50.0
Cyclobutane, (1...	10.082	29.4	ug/l	1483190	2	9.082	2518420	50.0
Benzene, 1,4-di...	13.929	37.3	ug/l	1476560	4	13.770	1979460	50.0
Indane	13.970	117.8	ug/l	4662110	4	13.770	1979460	50.0
Benzene, 1-ethy...	14.306	102.6	ug/l	4061510	4	13.770	1979460	50.0
Benzene, 1,2,3,...	14.629	70.7	ug/l	2798150	4	13.770	1979460	50.0
Benzene, 2-ethe...	14.900	68.8	ug/l	2723030	4	13.770	1979460	50.0
1H-Indene, 2,3-...	15.023	187.7	ug/l	7431490	4	13.770	1979460	50.0
1H-Indene, 2,3-...	15.288	42.2	ug/l	1672060	4	13.770	1979460	50.0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088026.D
Acq On : 03 Oct 2025 16:16
Operator : JC\MD
Sample : Q3274-02DL 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW5DL

Quant Time: Oct 04 02:59:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 2025
Response via : Initial Calibration

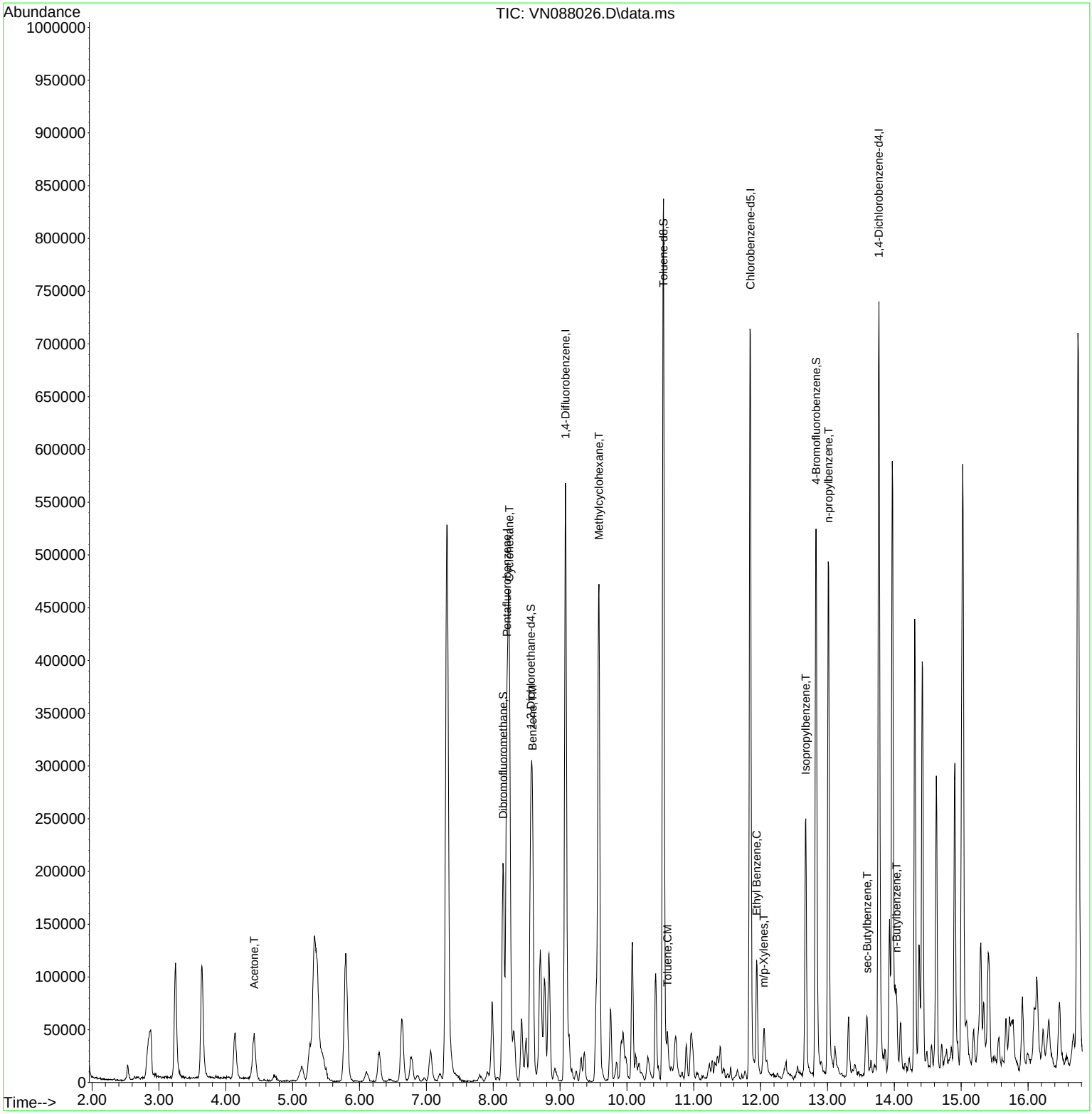
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	199029	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	430919	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	412320	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	199129	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	174477	52.090	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.180%			
35) Dibromofluoromethane	8.147	113	147247	47.063	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 94.120%			
50) Toluene-d8	10.547	98	546047	49.630	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.260%			
62) 4-Bromofluorobenzene	12.829	95	199570	50.745	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.500%			
Target Compounds						Qvalue
16) Acetone	4.424	43	73990	53.689	ug/l	99
31) Cyclohexane	8.241	56	237598	63.258	ug/l	97
39) Methylcyclohexane	9.582	83	201980	48.668	ug/l	98
40) Benzene	8.588	78	239418	19.220	ug/l	99
52) Toluene	10.606	92	14136	1.808	ug/l	92
67) Ethyl Benzene	11.941	91	69711	4.761	ug/l	97
68) m/p-Xylenes	12.047	106	16039	2.864	ug/l	100
73) Isopropylbenzene	12.676	105	166276	13.473	ug/l	98
78) n-propylbenzene	13.017	91	415315	26.916	ug/l	99
85) sec-Butylbenzene	13.594	105	32040	2.419	ug/l #	65
89) n-Butylbenzene	14.035	91	41680	3.931	ug/l #	80

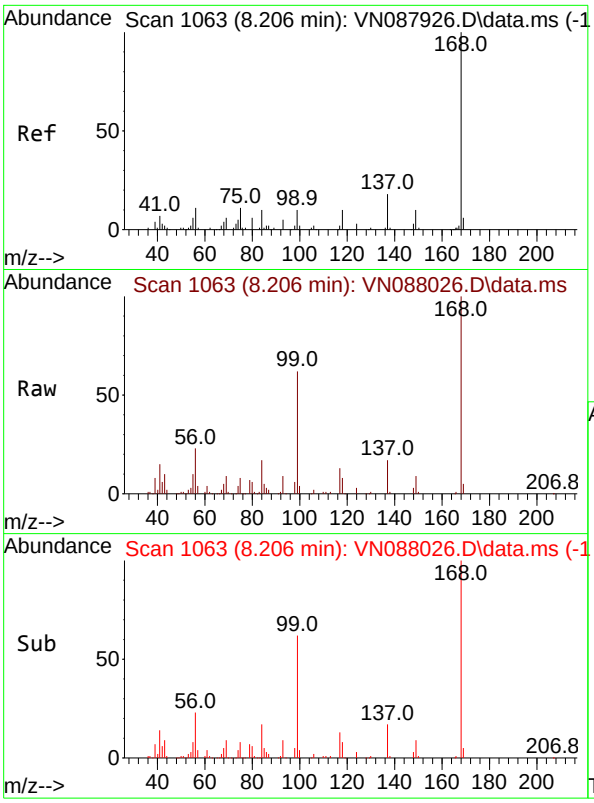
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088026.D
Acq On : 03 Oct 2025 16:16
Operator : JC\MD
Sample : Q3274-02DL 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW5DL

Quant Time: Oct 04 02:59:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 2025
Response via : Initial Calibration



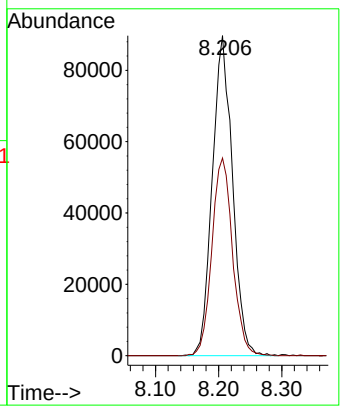


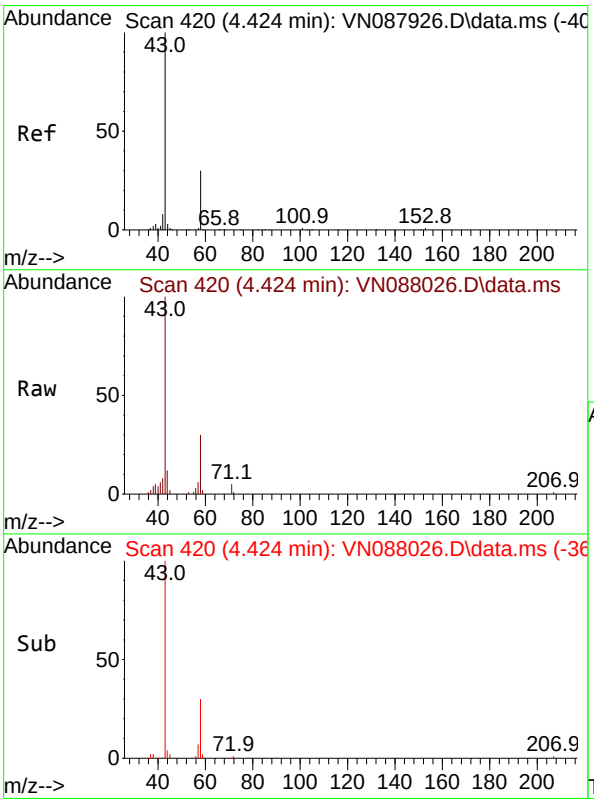
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088026.D
Acq: 03 Oct 2025 16:16

Instrument :
MSVOA_N
ClientSampleId :
MW5DL

Tgt Ion:168 Resp: 199029

Ion	Ratio	Lower	Upper
168	100		
99	61.7	52.2	78.2

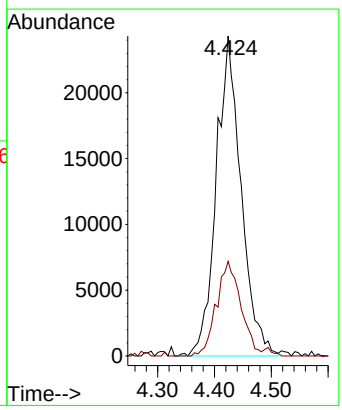


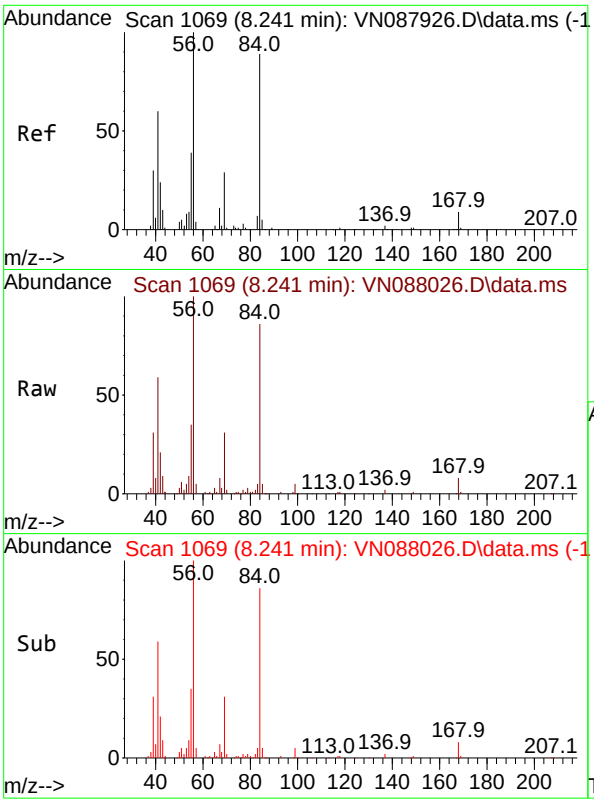


#16
Acetone
Concen: 53.689 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN088026.D
Acq: 03 Oct 2025 16:16

Tgt Ion: 43 Resp: 73990

Ion	Ratio	Lower	Upper
43	100		
58	29.5	24.1	36.1



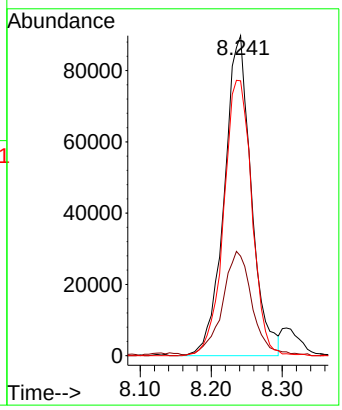


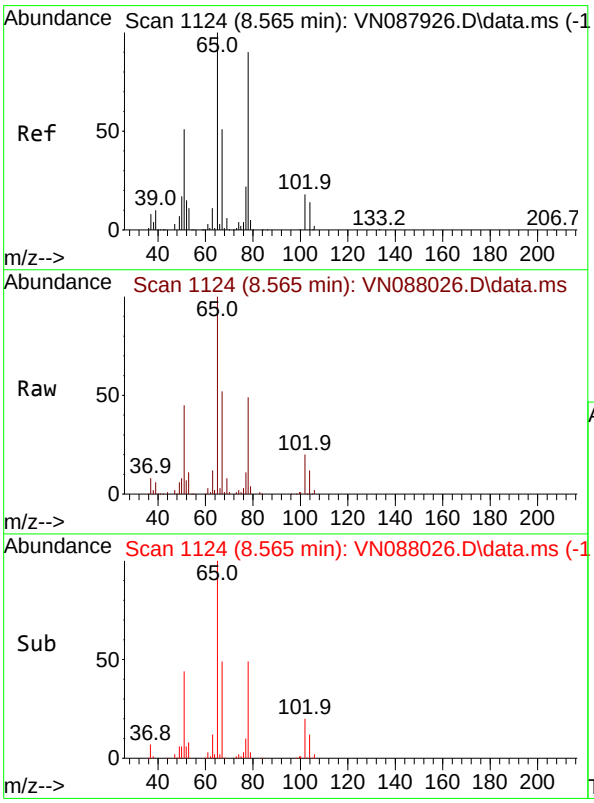
#31
Cyclohexane
Concen: 63.258 ug/l
RT: 8.241 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088026.D
Acq: 03 Oct 2025 16:16

Instrument :
MSVOA_N
ClientSampleId :
MW5DL

Tgt Ion: 56 Resp: 237598

Ion	Ratio	Lower	Upper
56	100		
69	30.4	23.4	35.0
84	85.9	70.8	106.2

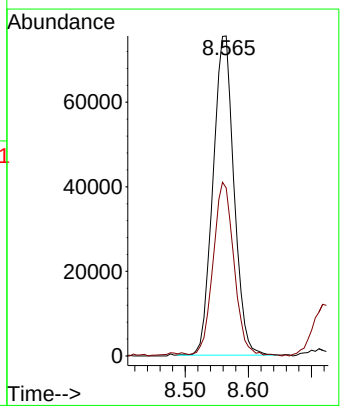


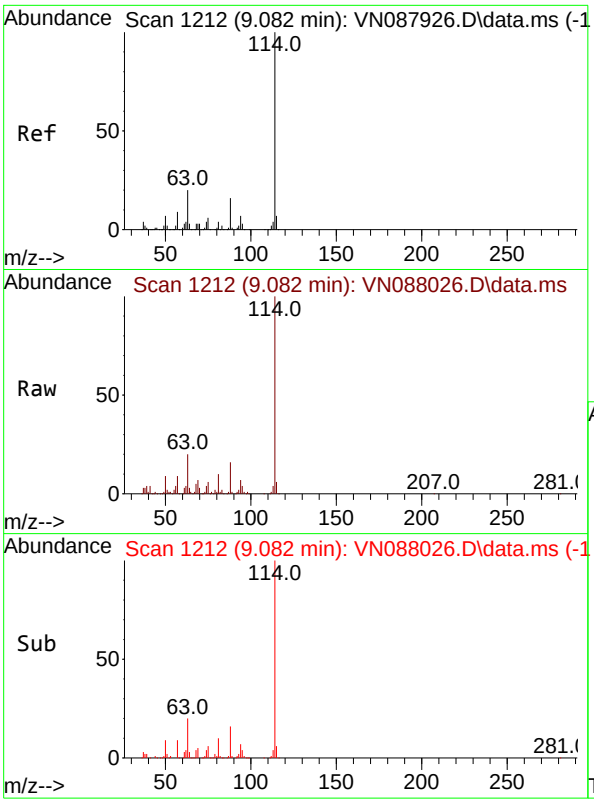


#33
1,2-Dichloroethane-d4
Concen: 52.090 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. -0.000 min
Lab File: VN088026.D
Acq: 03 Oct 2025 16:16

Tgt Ion: 65 Resp: 174477

Ion	Ratio	Lower	Upper
65	100		
67	54.5	0.0	103.4



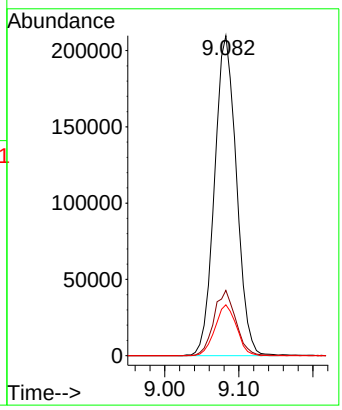


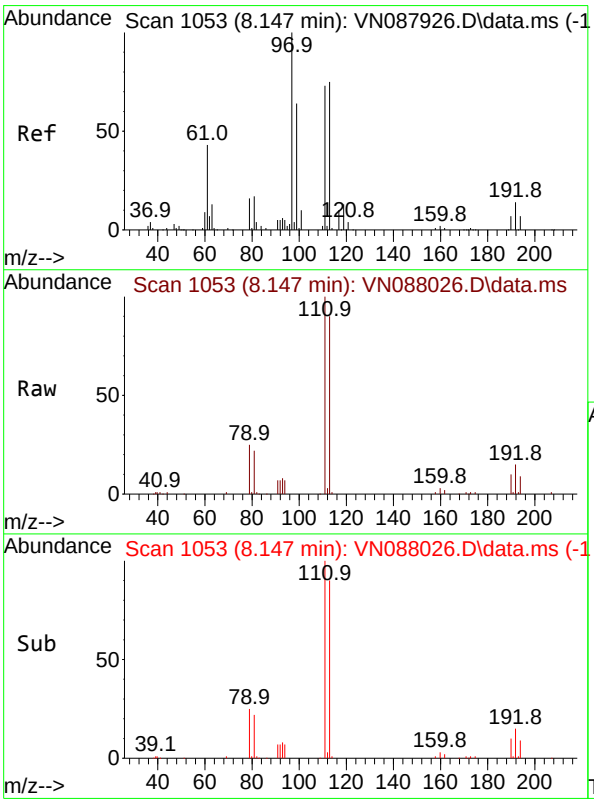
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088026.D
Acq: 03 Oct 2025 16:16

Instrument :
MSVOA_N
ClientSampleId :
MW5DL

Tgt Ion:114 Resp: 430919

Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	40.0
88	15.9	0.0	31.8

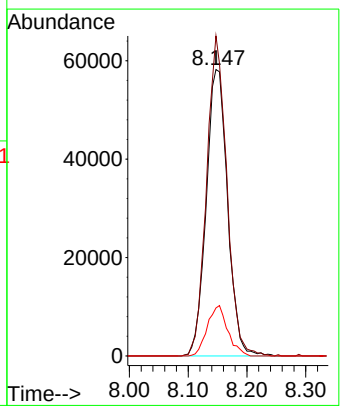


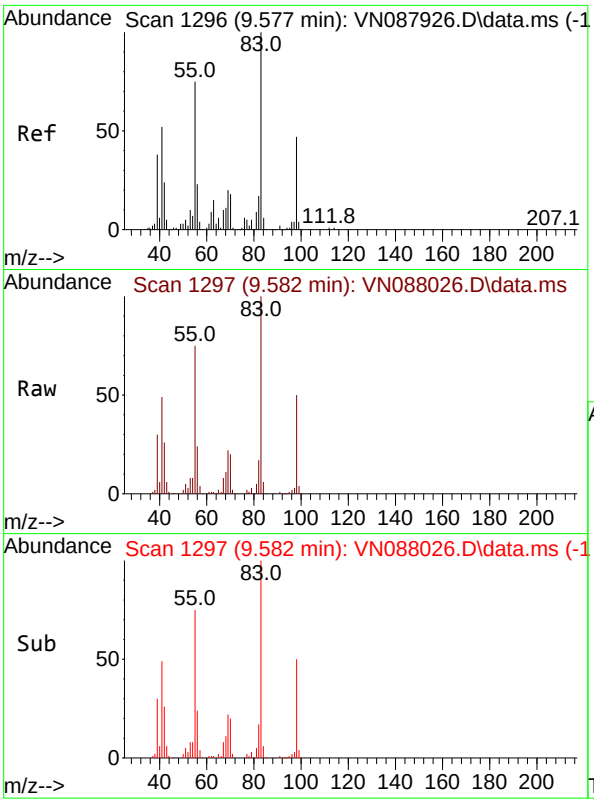


#35
Dibromofluoromethane
Concen: 47.063 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.000 min
Lab File: VN088026.D
Acq: 03 Oct 2025 16:16

Tgt Ion:113 Resp: 147247

Ion	Ratio	Lower	Upper
113	100		
111	105.7	82.2	123.2
192	16.9	14.2	21.2



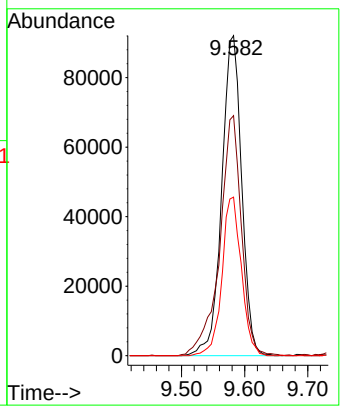


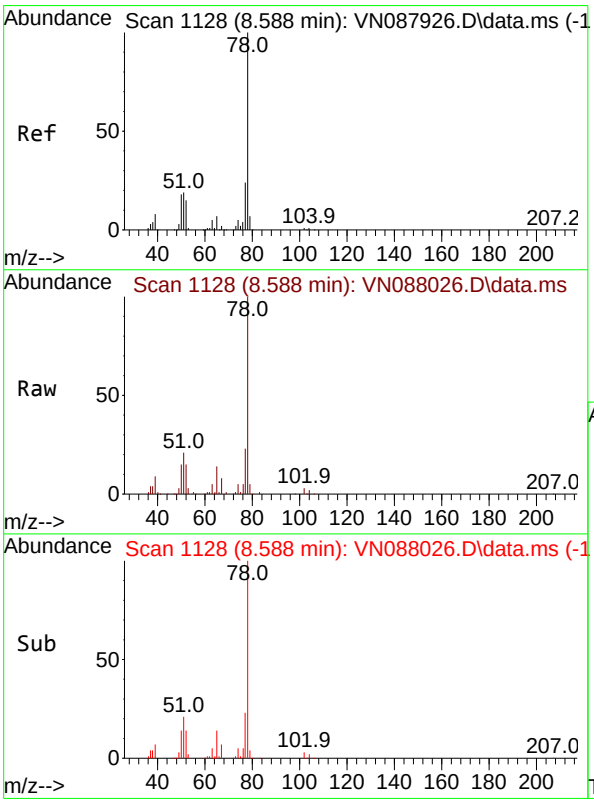
#39
Methylcyclohexane
Concen: 48.668 ug/l
RT: 9.582 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN088026.D
Acq: 03 Oct 2025 16:16

Instrument :
MSVOA_N
ClientSampleId :
MW5DL

Tgt Ion: 83 Resp: 201980

Ion	Ratio	Lower	Upper
83	100		
55	75.0	59.9	89.9
98	49.5	37.4	56.2

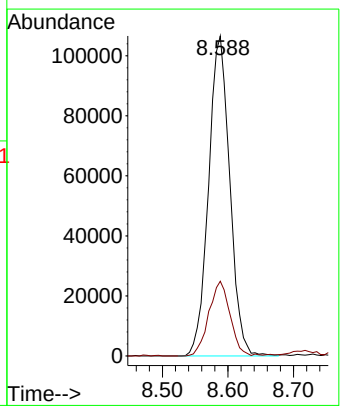


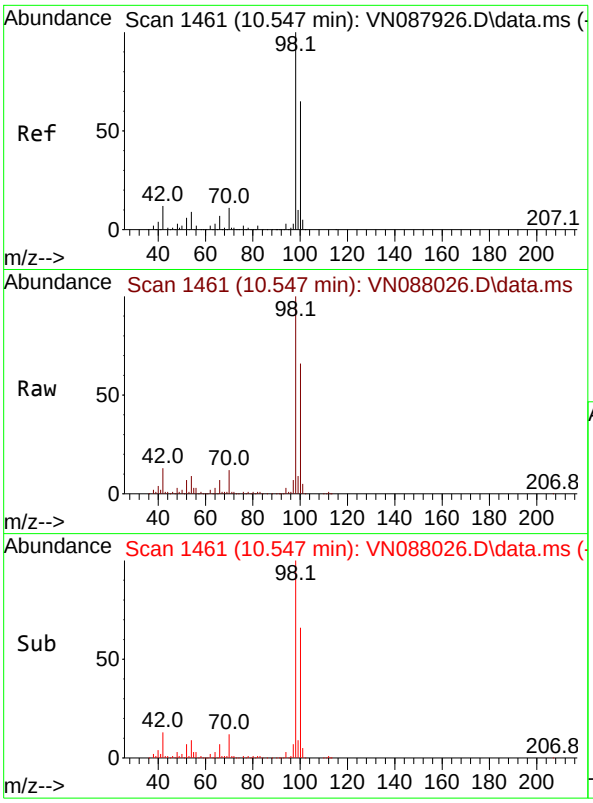


#40
Benzene
Concen: 19.220 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN088026.D
Acq: 03 Oct 2025 16:16

Tgt Ion: 78 Resp: 239418

Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.0	28.6



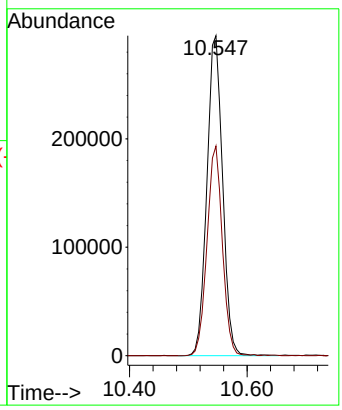


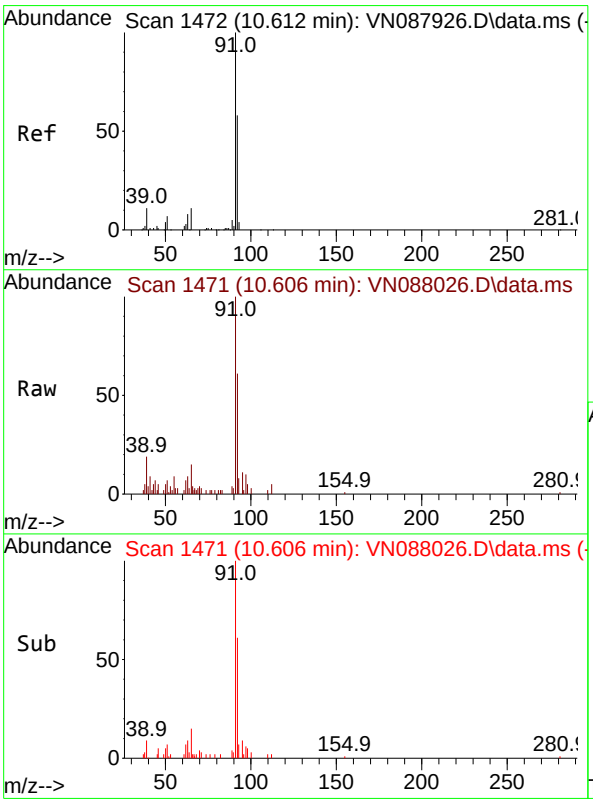
#50
Toluene-d8
Concen: 49.630 ug/l
RT: 10.547 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN088026.D
Acq: 03 Oct 2025 16:16

Instrument :
MSVOA_N
ClientSampleId :
MW5DL

Tgt Ion: 98 Resp: 546047

Ion	Ratio	Lower	Upper
98	100		
100	64.1	51.7	77.5

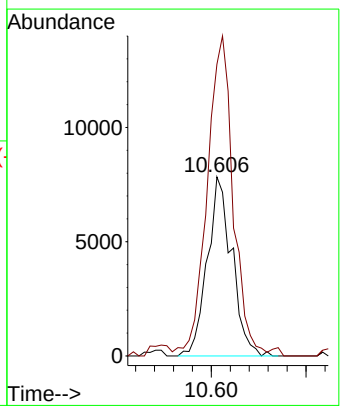


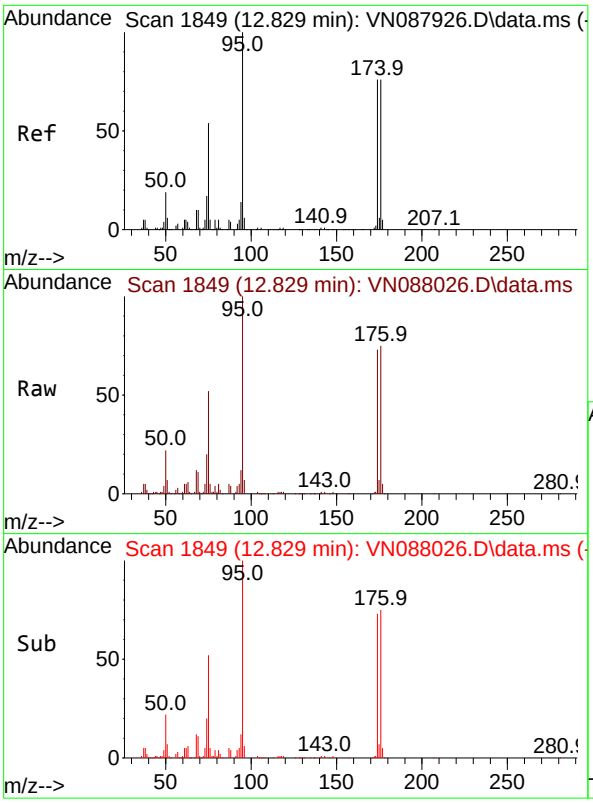


#52
Toluene
Concen: 1.808 ug/l
RT: 10.606 min Scan# 1471
Delta R.T. -0.006 min
Lab File: VN088026.D
Acq: 03 Oct 2025 16:16

Tgt Ion: 92 Resp: 14136

Ion	Ratio	Lower	Upper
92	100		
91	184.5	138.2	207.2



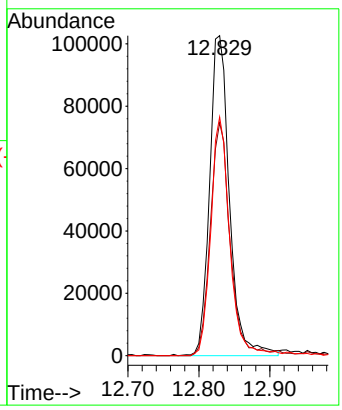


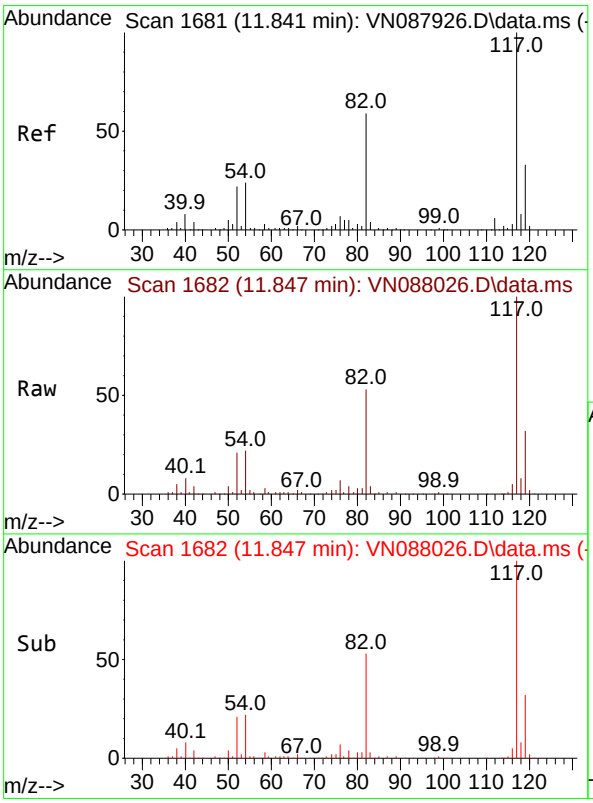
#62
4-Bromofluorobenzene
Concen: 50.745 ug/l
RT: 12.829 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088026.D
Acq: 03 Oct 2025 16:16

Instrument :
MSVOA_N
ClientSampleId :
MW5DL

Tgt Ion: 95 Resp: 199570

Ion	Ratio	Lower	Upper
95	100		
174	71.9	0.0	159.2
176	70.9	0.0	152.6

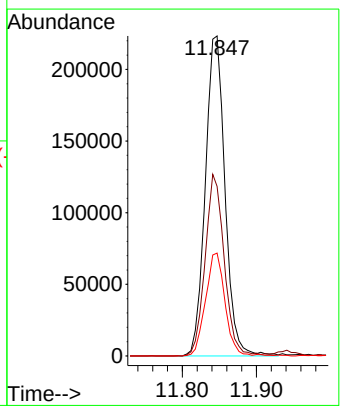


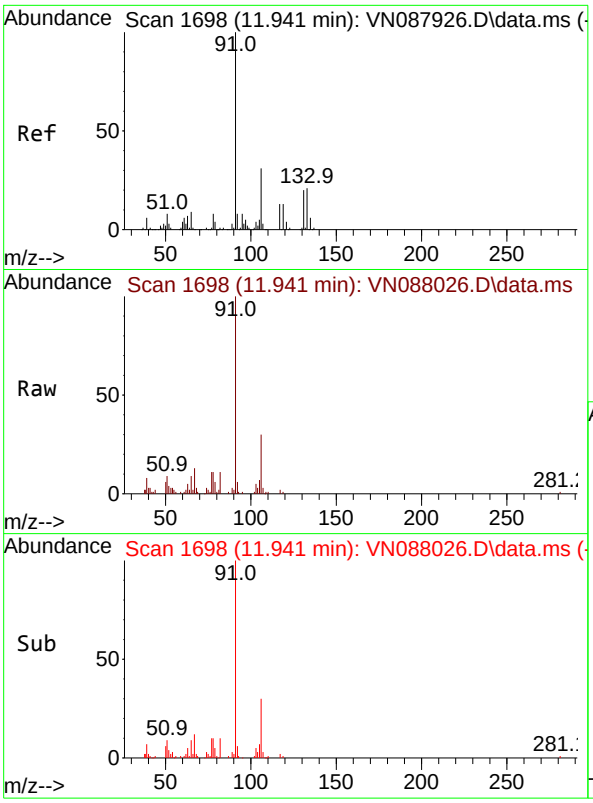


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VN088026.D
Acq: 03 Oct 2025 16:16

Tgt Ion:117 Resp: 412320

Ion	Ratio	Lower	Upper
117	100		
82	52.9	47.0	70.4
119	32.1	26.1	39.1



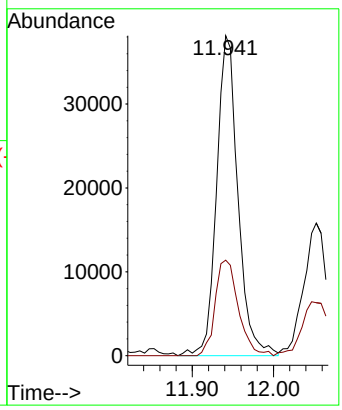


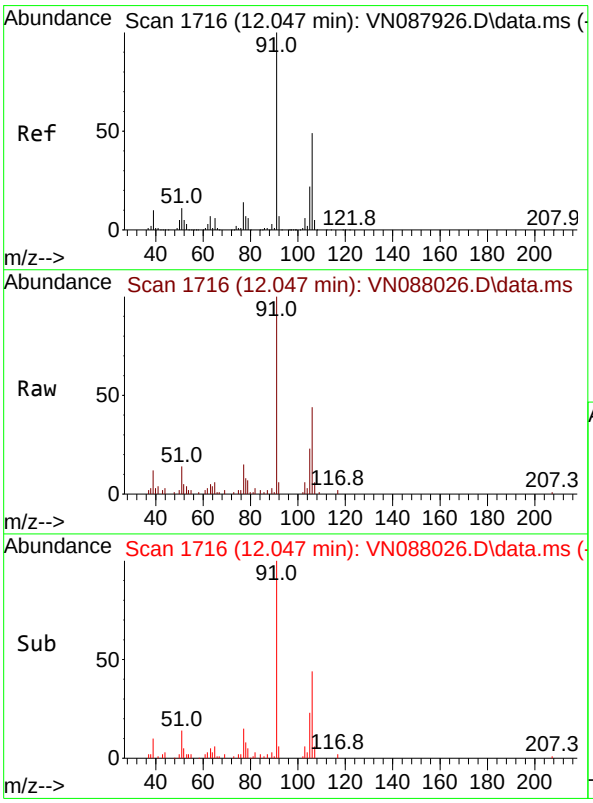
#67
Ethyl Benzene
Concen: 4.761 ug/l
RT: 11.941 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088026.D
Acq: 03 Oct 2025 16:16

Instrument :
MSVOA_N
ClientSampleId :
MW5DL

Tgt Ion: 91 Resp: 69711

Ion	Ratio	Lower	Upper
91	100		
106	29.9	25.2	37.8

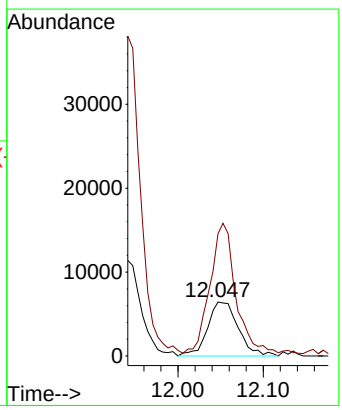


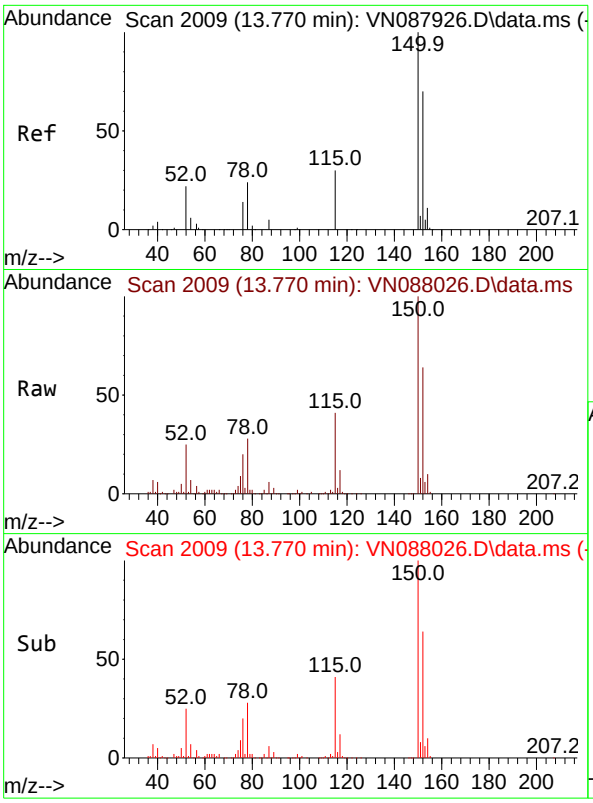


#68
m/p-Xylenes
Concen: 2.864 ug/l
RT: 12.047 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VN088026.D
Acq: 03 Oct 2025 16:16

Tgt Ion:106 Resp: 16039

Ion	Ratio	Lower	Upper
106	100		
91	203.0	162.9	244.3



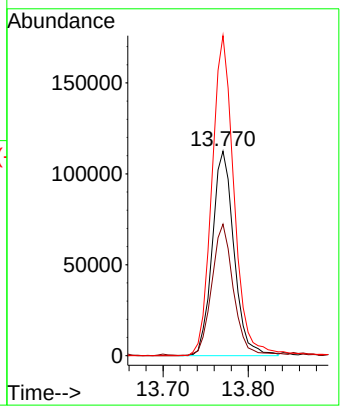


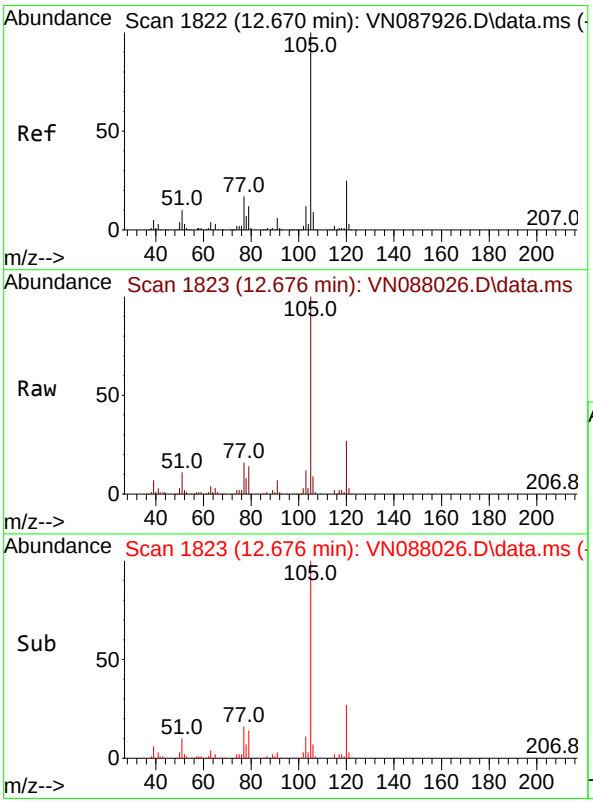
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN088026.D
Acq: 03 Oct 2025 16:16

Instrument :
MSVOA_N
ClientSampleId :
MW5DL

Tgt Ion:152 Resp: 199129

Ion	Ratio	Lower	Upper
152	100		
115	63.9	29.9	89.7
150	160.7	0.0	335.0

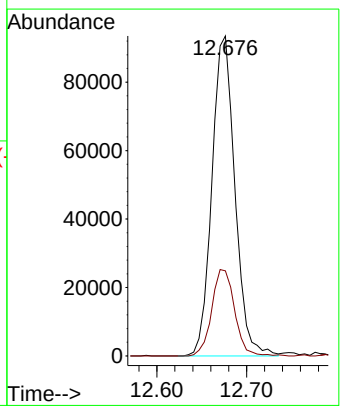


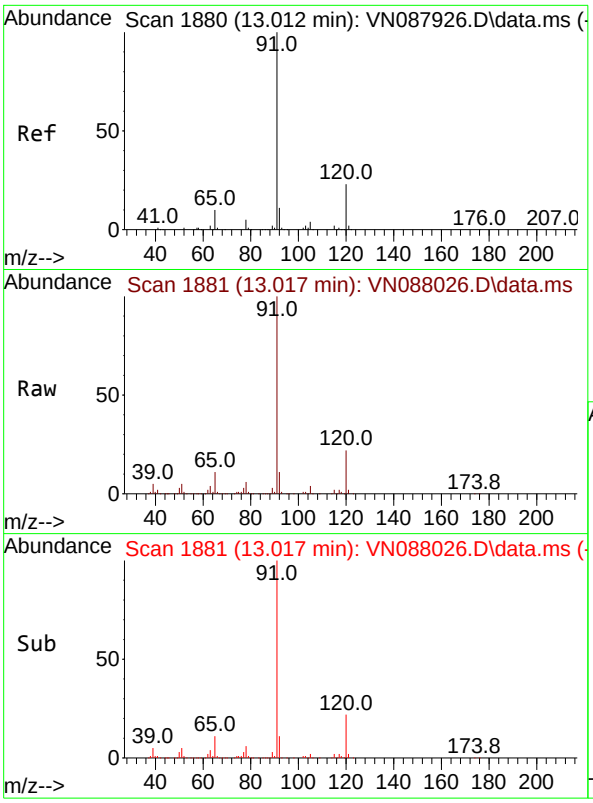


#73
Isopropylbenzene
Concen: 13.473 ug/l
RT: 12.676 min Scan# 1823
Delta R.T. 0.006 min
Lab File: VN088026.D
Acq: 03 Oct 2025 16:16

Tgt Ion:105 Resp: 166276

Ion	Ratio	Lower	Upper
105	100		
120	26.9	13.1	39.1



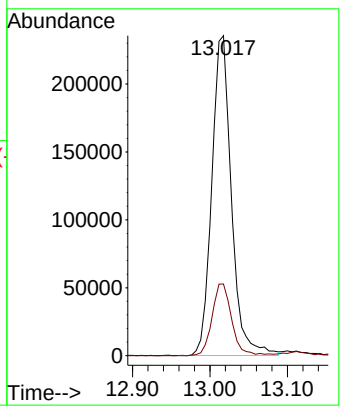


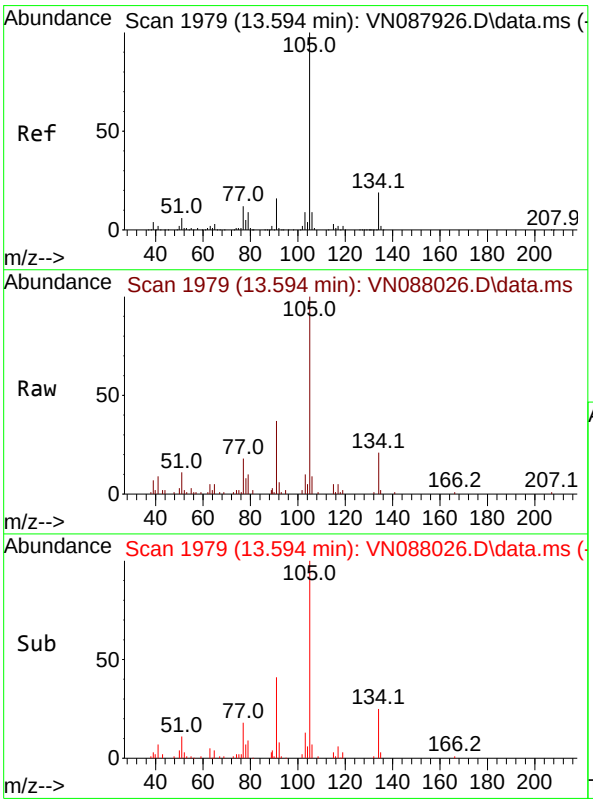
#78
n-propylbenzene
Concen: 26.916 ug/l
RT: 13.017 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN088026.D
Acq: 03 Oct 2025 16:16

Instrument :
MSVOA_N
ClientSampleId :
MW5DL

Tgt Ion: 91 Resp: 415315

Ion	Ratio	Lower	Upper
91	100		
120	22.6	11.1	33.1

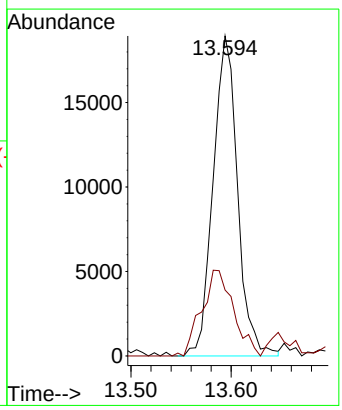


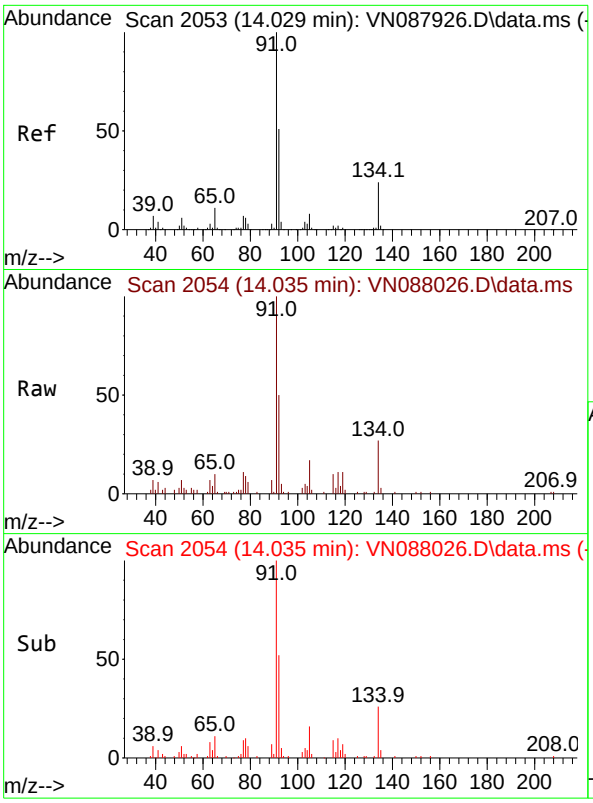


#85
sec-Butylbenzene
Concen: 2.419 ug/l
RT: 13.594 min Scan# 1979
Delta R.T. -0.000 min
Lab File: VN088026.D
Acq: 03 Oct 2025 16:16

Tgt Ion:105 Resp: 32040

Ion	Ratio	Lower	Upper
105	100		
134	34.9	9.6	28.8#



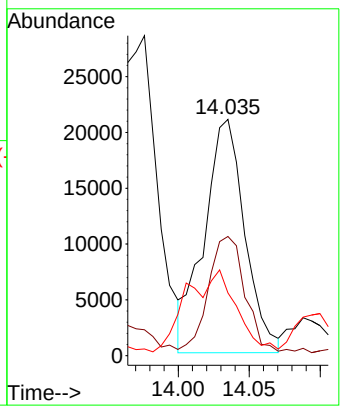


#89
n-Butylbenzene
Concen: 3.931 ug/l
RT: 14.035 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN088026.D
Acq: 03 Oct 2025 16:16

Instrument :
MSVOA_N
ClientSampleId :
MW5DL

Tgt Ion: 91 Resp: 41680

Ion	Ratio	Lower	Upper
91	100		
92	46.0	25.9	77.8
134	47.3	12.6	37.8#



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088015.D
Acq On : 03 Oct 2025 11:11
Operator : JC\MD
Sample : VN1003WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1003WBL01

Quant Time: Oct 04 02:52:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	175124	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	396641	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	390371	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	175413	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	168351	57.122	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 114.240%			
35) Dibromofluoromethane	8.147	113	137594	47.778	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.560%			
50) Toluene-d8	10.547	98	477841	47.184	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 94.360%			
62) 4-Bromofluorobenzene	12.829	95	151886	41.958	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 83.920%			

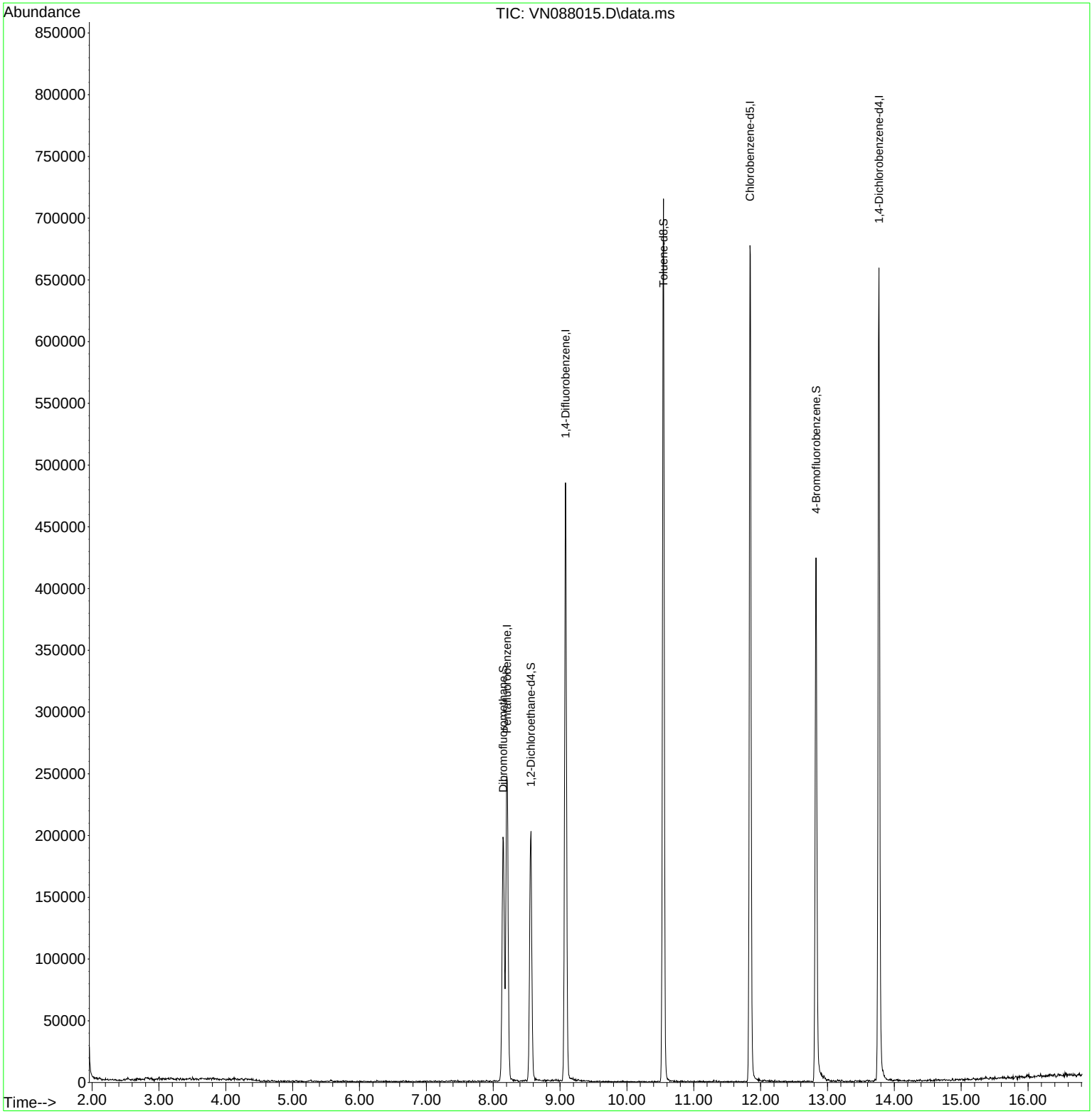
Target Compounds Qvalue

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

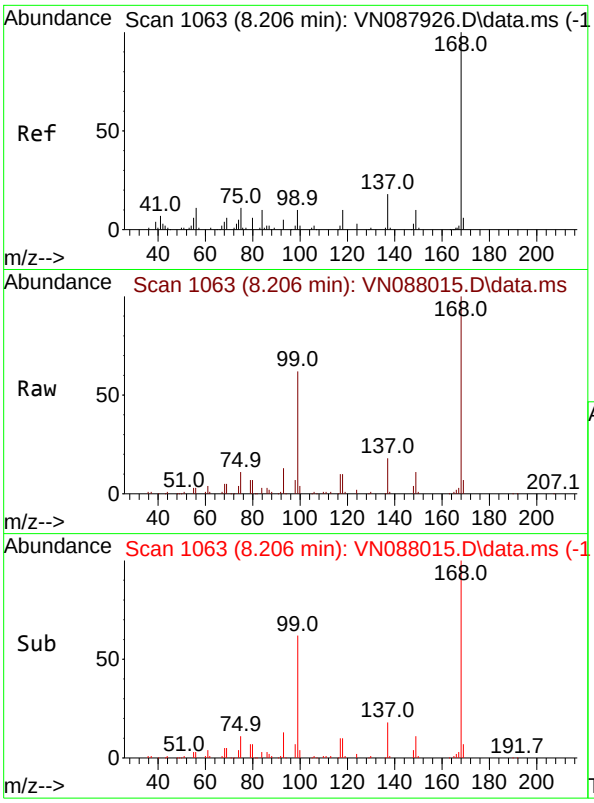
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088015.D
Acq On : 03 Oct 2025 11:11
Operator : JC\MD
Sample : VN1003WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1003WBL01

Quant Time: Oct 04 02:52:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 2025
Response via : Initial Calibration



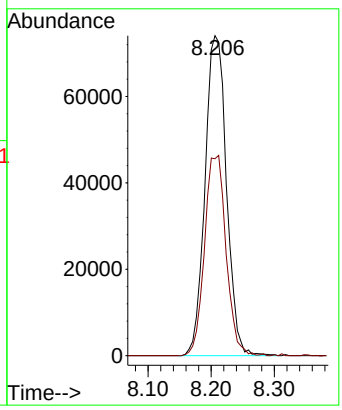
Instrument :
MSVOA_N
ClientSampleId :
VN1003WBL01

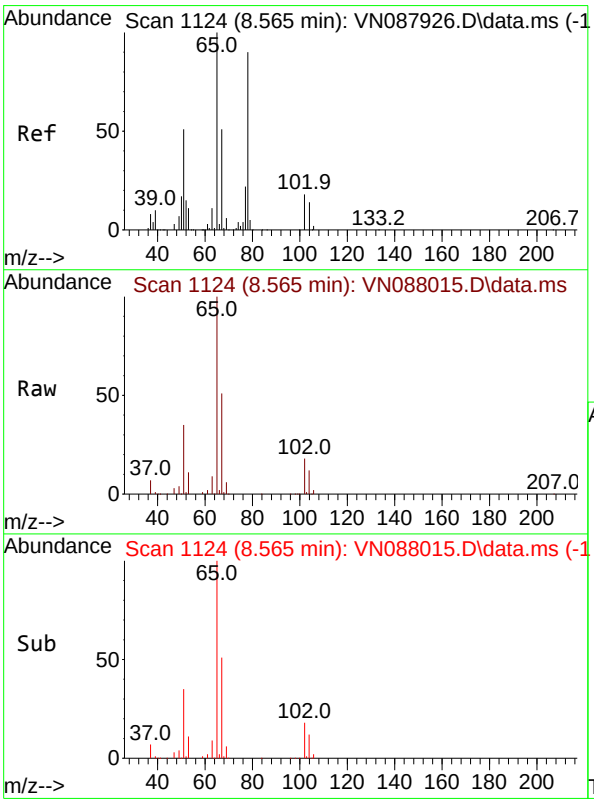


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN088015.D
Acq: 03 Oct 2025 11:11

Tgt Ion:168 Resp: 175124

Ion	Ratio	Lower	Upper
168	100		
99	61.6	52.2	78.2

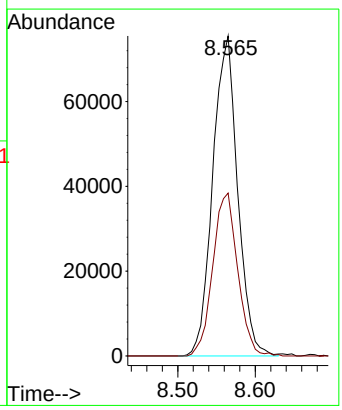


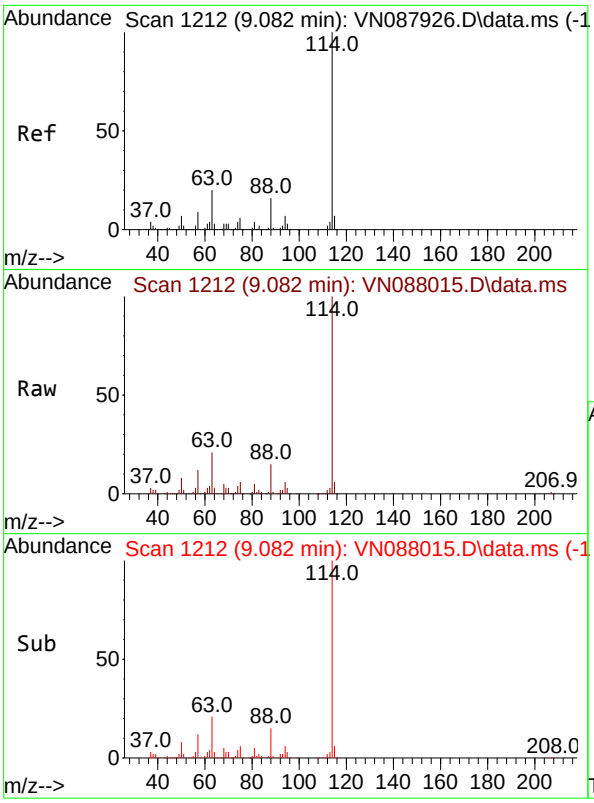


#33
1,2-Dichloroethane-d4
Concen: 57.122 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. -0.000 min
Lab File: VN088015.D
Acq: 03 Oct 2025 11:11

Tgt Ion: 65 Resp: 168351

Ion	Ratio	Lower	Upper
65	100		
67	51.1	0.0	103.4



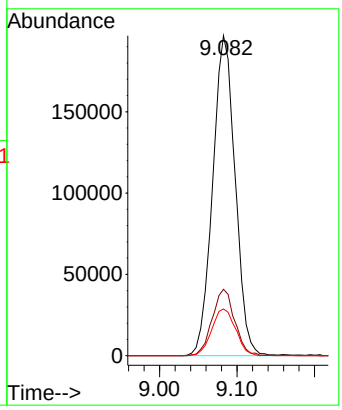


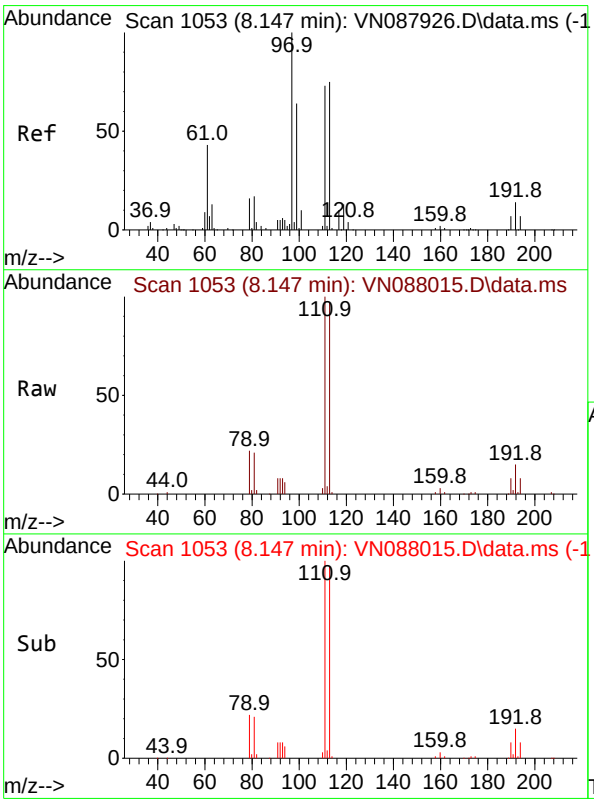
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088015.D
Acq: 03 Oct 2025 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN1003WBL01

Tgt Ion:114 Resp: 396641

Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	40.0
88	14.6	0.0	31.8

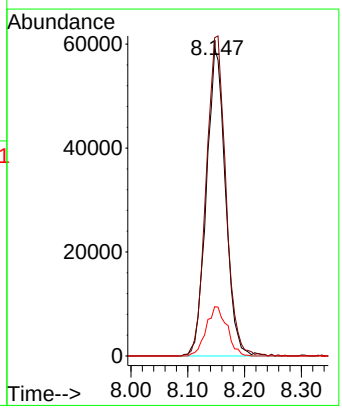


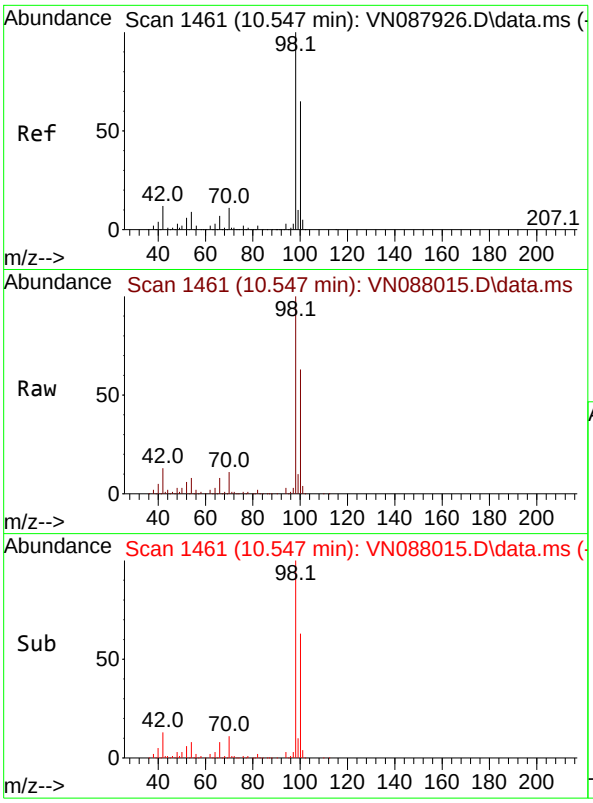


#35
Dibromofluoromethane
Concen: 47.778 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.000 min
Lab File: VN088015.D
Acq: 03 Oct 2025 11:11

Tgt Ion:113 Resp: 137594

Ion	Ratio	Lower	Upper
113	100		
111	106.7	82.2	123.2
192	17.5	14.2	21.2



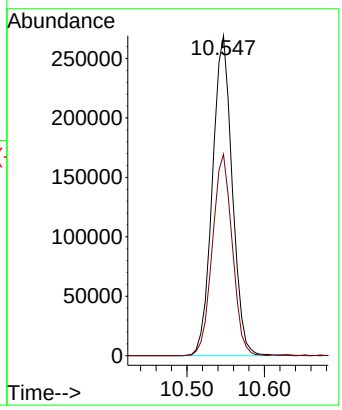


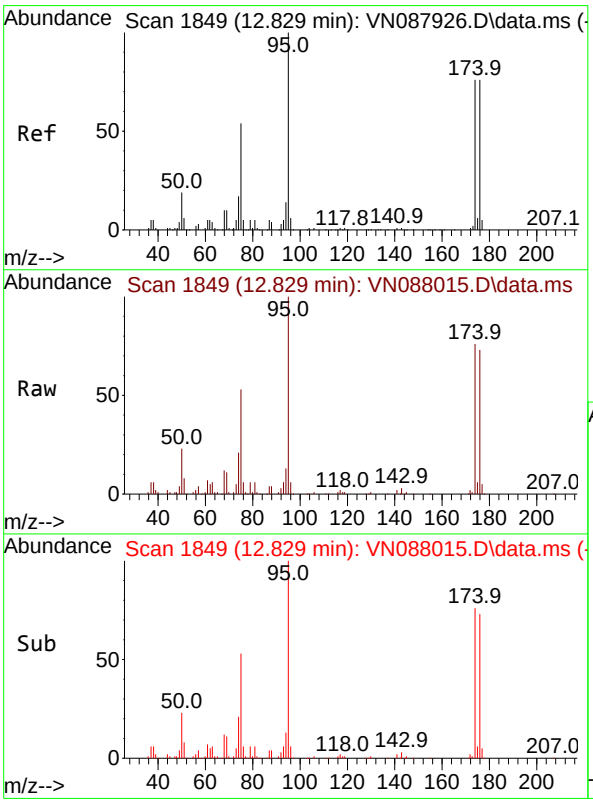
#50
Toluene-d8
Concen: 47.184 ug/l
RT: 10.547 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN088015.D
Acq: 03 Oct 2025 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN1003WBL01

Tgt Ion: 98 Resp: 477841

Ion	Ratio	Lower	Upper
98	100		
100	63.1	51.7	77.5

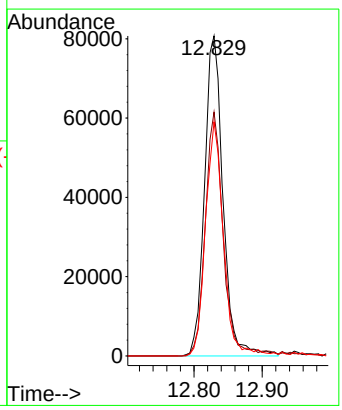


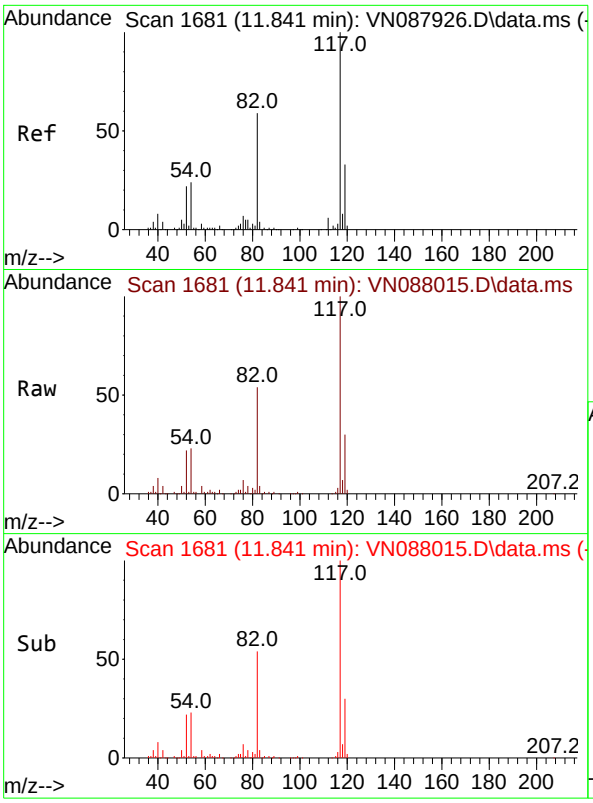


#62
4-Bromofluorobenzene
Concen: 41.958 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.000 min
Lab File: VN088015.D
Acq: 03 Oct 2025 11:11

Tgt Ion: 95 Resp: 151886

Ion	Ratio	Lower	Upper
95	100		
174	73.3	0.0	159.2
176	71.0	0.0	152.6



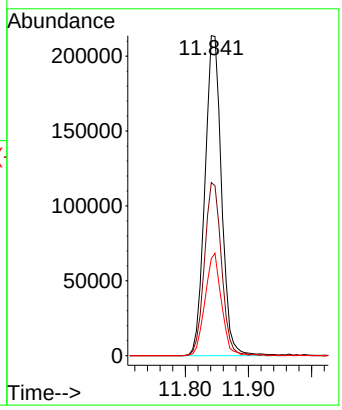


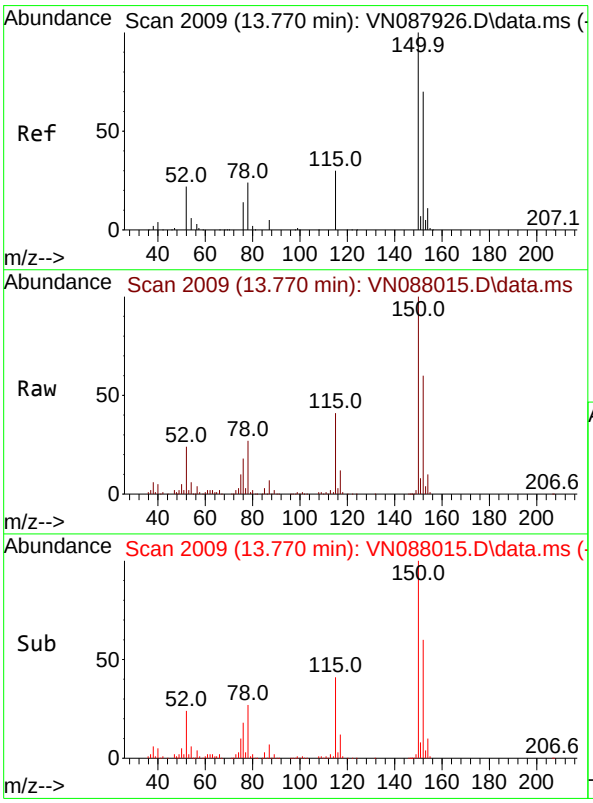
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088015.D
Acq: 03 Oct 2025 11:11

Instrument :
MSVOA_N
ClientSampleId :
VN1003WBL01

Tgt Ion:117 Resp: 390371

Ion	Ratio	Lower	Upper
117	100		
82	54.1	47.0	70.4
119	30.4	26.1	39.1

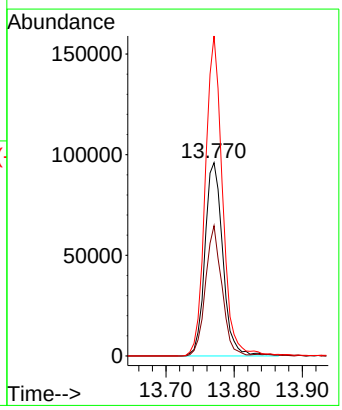




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. -0.000 min
Lab File: VN088015.D
Acq: 03 Oct 2025 11:11

Tgt Ion:152 Resp: 175413

Ion	Ratio	Lower	Upper
152	100		
115	61.9	29.9	89.7
150	160.2	0.0	335.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088015.D
Acq On : 03 Oct 2025 11:11
Operator : JC\MD
Sample : VN1003WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1003WBL01

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Title : SW846 8260

Signal : TIC: VN088015.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	8.147	1043	1053	1058	rBV	197307	469705	36.52%	6.734%
2	8.206	1058	1063	1073	rVB2	244790	576144	44.80%	8.260%
3	8.565	1114	1124	1134	rBV	202410	465560	36.20%	6.674%
4	9.082	1203	1212	1226	rBV	484610	986815	76.73%	14.147%
5	10.547	1452	1461	1473	rBV	715035	1286157	100.00%	18.439%
6	11.841	1673	1681	1695	rBV	677278	1244426	96.76%	17.841%
7	12.829	1841	1849	1867	rBV2	424640	794436	61.77%	11.389%
8	13.770	2001	2009	2018	rBV	658078	1151992	89.57%	16.515%

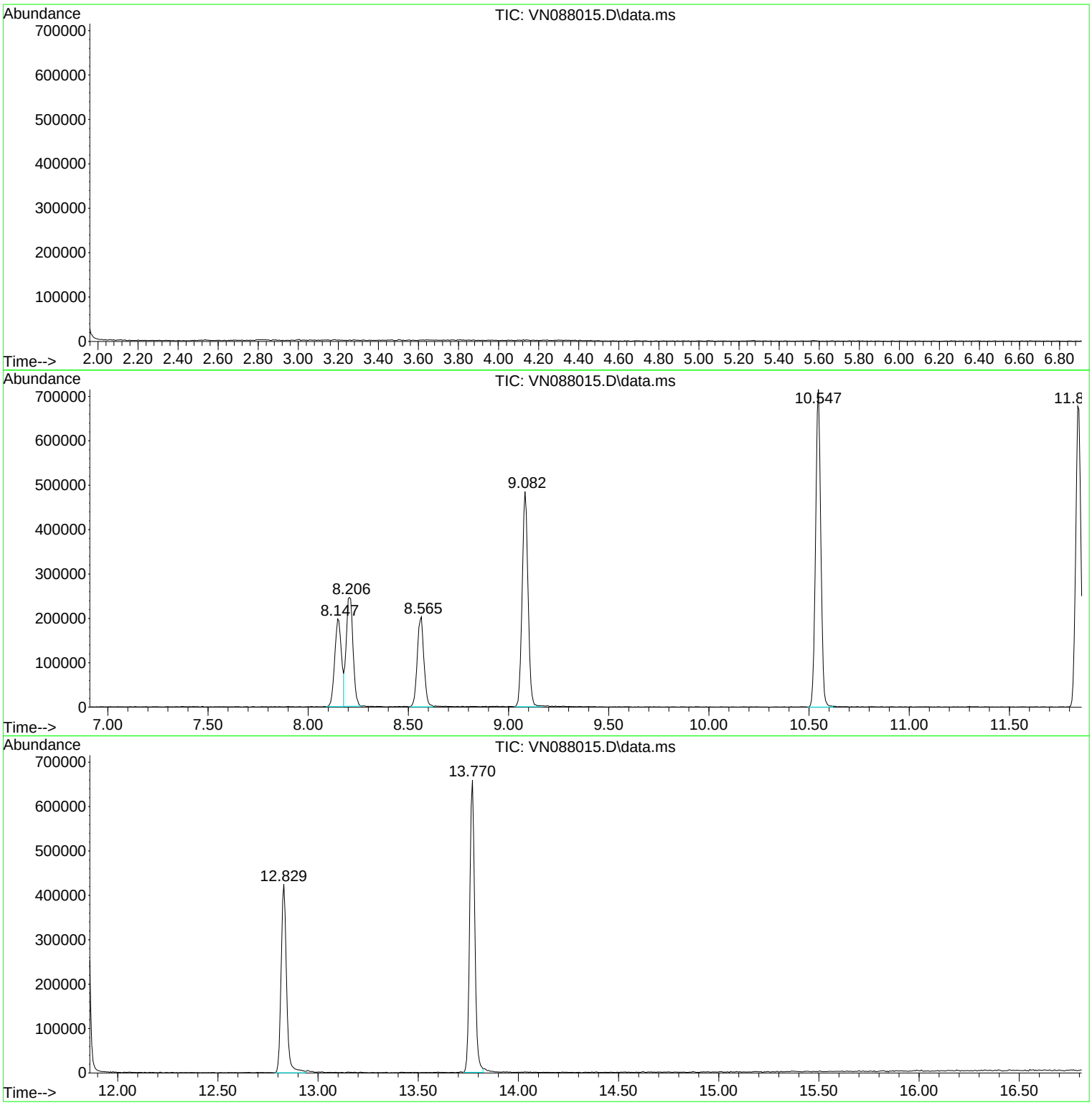
Sum of corrected areas: 6975235

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088015.D
Acq On : 03 Oct 2025 11:11
Operator : JC\MD
Sample : VN1003WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1003WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088015.D
Acq On : 03 Oct 2025 11:11
Operator : JC\MD
Sample : VN1003WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1003WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088015.D
Acq On : 03 Oct 2025 11:11
Operator : JC\MD
Sample : VN1003WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1003WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088016.D
Acq On : 03 Oct 2025 12:07
Operator : JC\MD
Sample : VN1003WBS01
Misc : 5.00mL//MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 04 02:53:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1003WBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	210745	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	397174	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	382298	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	201044	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	184280	51.958	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.920%			
35) Dibromofluoromethane	8.147	113	144023	49.944	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.880%			
50) Toluene-d8	10.547	98	505265	49.825	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.640%			
62) 4-Bromofluorobenzene	12.829	95	176825	48.782	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.560%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	50304	20.611	ug/l	89
3) Chloromethane	2.383	50	52853	21.150	ug/l	95
4) Vinyl Chloride	2.542	62	55684	21.841	ug/l	98
5) Bromomethane	2.977	94	37479	23.713	ug/l	92
6) Chloroethane	3.142	64	37787	22.795	ug/l	95
7) Trichlorofluoromethane	3.518	101	91817	22.119	ug/l	92
8) Diethyl Ether	3.965	74	35179	22.433	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.371	101	50708	23.113	ug/l	97
10) Methyl Iodide	4.583	142	43615	22.088	ug/l	93
11) Tert butyl alcohol	5.518	59	51861	101.520	ug/l	97
12) 1,1-Dichloroethene	4.342	96	49379	22.306	ug/l	90
13) Acrolein	4.171	56	41969	64.029	ug/l	97
14) Allyl chloride	5.012	41	77632	21.541	ug/l	98
15) Acrylonitrile	5.712	53	175059	109.248	ug/l	97
16) Acetone	4.418	43	163822	112.264	ug/l	99
17) Carbon Disulfide	4.706	76	132486	19.155	ug/l	99
18) Methyl Acetate	5.024	43	92834	25.420	ug/l	98
19) Methyl tert-butyl Ether	5.789	73	187628	21.697	ug/l	96
20) Methylene Chloride	5.259	84	64540	21.851	ug/l	96
21) trans-1,2-Dichloroethene	5.771	96	57617	21.231	ug/l	91
22) Diisopropyl ether	6.653	45	194296	23.094	ug/l	96
23) Vinyl Acetate	6.589	43	833841	117.711	ug/l	100
24) 1,1-Dichloroethane	6.547	63	112207	22.828	ug/l	96
25) 2-Butanone	7.471	43	241051	108.075	ug/l	96
26) 2,2-Dichloropropane	7.471	77	98952	22.659	ug/l	98
27) cis-1,2-Dichloroethene	7.471	96	71261	22.069	ug/l	99
28) Bromochloromethane	7.794	49	54438	20.385	ug/l	95
29) Tetrahydrofuran	7.830	42	149625	104.767	ug/l	99
30) Chloroform	7.947	83	125355	23.324	ug/l	98
31) Cyclohexane	8.236	56	86204	21.675	ug/l	87
32) 1,1,1-Trichloroethane	8.153	97	100892	22.217	ug/l	96
36) 1,1-Dichloropropene	8.353	75	76378	22.027	ug/l	96
37) Ethyl Acetate	7.547	43	98881	21.716	ug/l	97
38) Carbon Tetrachloride	8.347	117	84594	21.261	ug/l	99
39) Methylcyclohexane	9.582	83	74573	19.495	ug/l	95
40) Benzene	8.588	78	242780	21.146	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088016.D
Acq On : 03 Oct 2025 12:07
Operator : JC\MD
Sample : VN1003WBS01
Misc : 5.00mL//MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 04 02:53:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1003WBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.765	41	50675	21.535	ug/l		100
42) 1,2-Dichloroethane	8.653	62	90833	21.200	ug/l		99
43) Isopropyl Acetate	8.671	43	151542	21.143	ug/l		99
44) Trichloroethene	9.330	130	58771	21.430	ug/l		91
45) 1,2-Dichloropropane	9.600	63	64277	22.327	ug/l		91
46) Dibromomethane	9.688	93	50598	22.273	ug/l		95
47) Bromodichloromethane	9.871	83	100758	22.614	ug/l		98
48) Methyl methacrylate	9.665	41	67399	20.306	ug/l		99
49) 1,4-Dioxane	9.682	88	20615	420.425	ug/l	#	79
51) 4-Methyl-2-Pentanone	10.424	43	491455	109.887	ug/l		98
52) Toluene	10.612	92	154675	21.469	ug/l		98
53) t-1,3-Dichloropropene	10.818	75	97633	21.410	ug/l		96
54) cis-1,3-Dichloropropene	10.294	75	102613	21.666	ug/l		99
55) 1,1,2-Trichloroethane	10.994	97	65722	22.435	ug/l		94
56) Ethyl methacrylate	10.859	69	88156	20.826	ug/l		97
57) 1,3-Dichloropropane	11.141	76	107806	22.374	ug/l		98
58) 2-Chloroethyl Vinyl ether	10.141	63	246994	124.104	ug/l		99
59) 2-Hexanone	11.177	43	324609	109.768	ug/l		99
60) Dibromochloromethane	11.335	129	72678	21.101	ug/l		98
61) 1,2-Dibromoethane	11.453	107	66379	21.404	ug/l		99
64) Tetrachloroethene	11.082	164	48633	20.884	ug/l	#	83
65) Chlorobenzene	11.871	112	174633	21.465	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.941	131	62521	21.310	ug/l		98
67) Ethyl Benzene	11.941	91	285734	21.048	ug/l		99
68) m/p-Xylenes	12.047	106	218109	42.010	ug/l		98
69) o-Xylene	12.376	106	103083	20.666	ug/l		100
70) Styrene	12.388	104	182866	21.346	ug/l		99
71) Bromoform	12.559	173	48240	20.267	ug/l	#	99
73) Isopropylbenzene	12.676	105	267454	21.465	ug/l		99
74) N-amyl acetate	12.606	43	94357m	22.983	ug/l		
75) 1,1,2,2-Tetrachloroethane	12.918	83	101141	22.529	ug/l		97
76) 1,2,3-Trichloropropane	12.971	75	95790m	24.171	ug/l		
77) Bromobenzene	12.959	156	71276	21.499	ug/l		98
78) n-propylbenzene	13.012	91	331926	21.307	ug/l		99
79) 2-Chlorotoluene	13.106	91	203856	21.491	ug/l		99
80) 1,3,5-Trimethylbenzene	13.153	105	232833	21.603	ug/l		96
81) trans-1,4-Dichloro-2-b...	12.718	75	27002	18.920	ug/l		94
82) 4-Chlorotoluene	13.200	91	216618	22.664	ug/l		100
83) tert-Butylbenzene	13.418	119	190796	20.915	ug/l		96
84) 1,2,4-Trimethylbenzene	13.459	105	241463	21.842	ug/l		99
85) sec-Butylbenzene	13.594	105	289467	21.643	ug/l		100
86) p-Isopropyltoluene	13.706	119	235506	20.790	ug/l		98
87) 1,3-Dichlorobenzene	13.712	146	141493	21.871	ug/l		98
88) 1,4-Dichlorobenzene	13.788	146	141799	21.328	ug/l		97
89) n-Butylbenzene	14.035	91	224123	20.936	ug/l		97
90) Hexachloroethane	14.306	117	51390	21.718	ug/l		90
91) 1,2-Dichlorobenzene	14.082	146	132395	21.231	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.700	75	20888	20.024	ug/l		95
93) 1,2,4-Trichlorobenzene	15.364	180	75098	20.396	ug/l		96
94) Hexachlorobutadiene	15.470	225	26775	19.757	ug/l		97
95) Naphthalene	15.612	128	235049	19.887	ug/l		99
96) 1,2,3-Trichlorobenzene	15.812	180	72634	20.292	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088016.D
Acq On : 03 Oct 2025 12:07
Operator : JC\MD
Sample : VN1003WBS01
Misc : 5.00mL//MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 04 02:53:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1003WBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

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

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

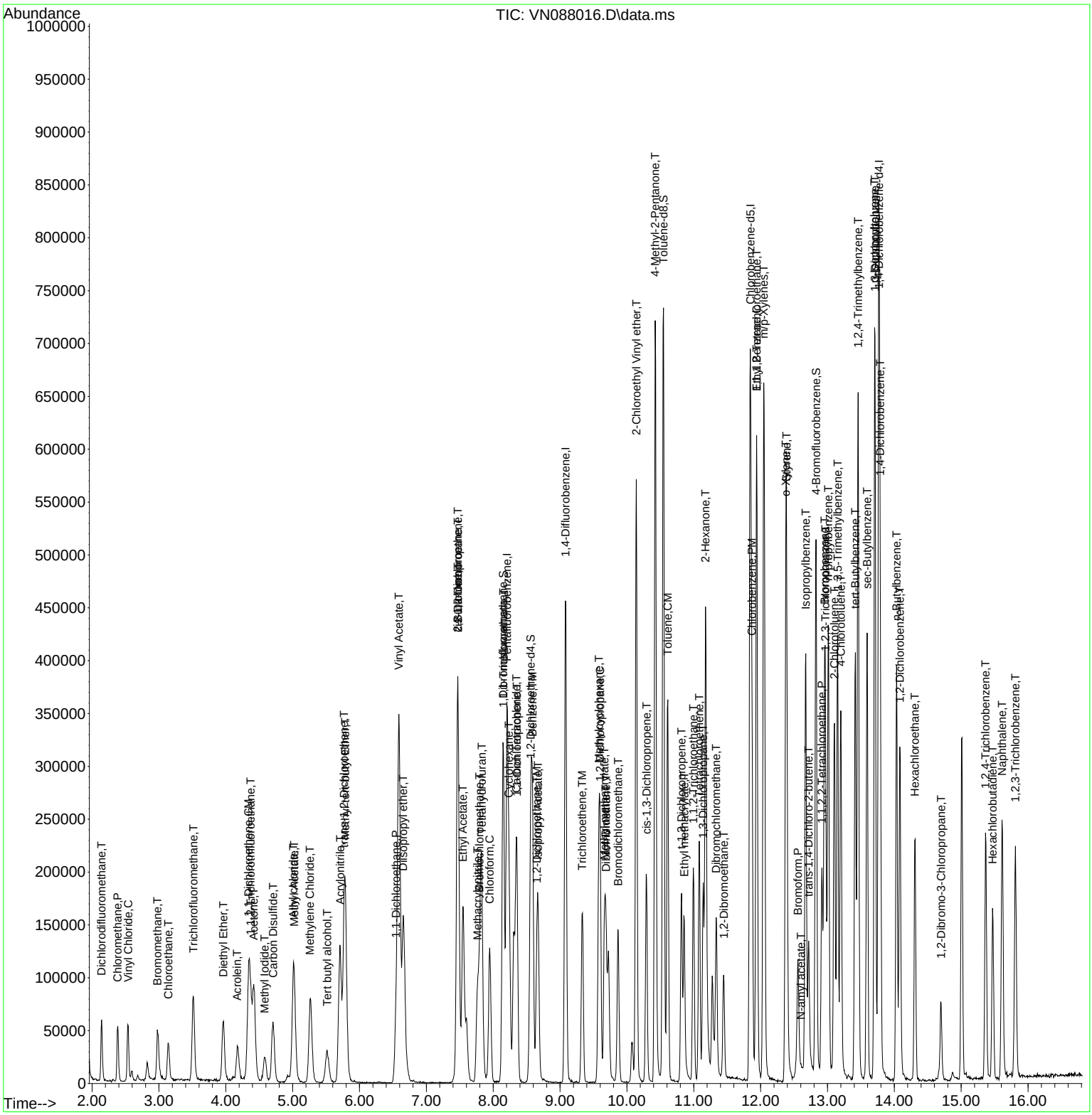
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088016.D
Acq On : 03 Oct 2025 12:07
Operator : JC\MD
Sample : VN1003WBS01
Misc : 5.00mL//MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 04 02:53:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1003WBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088025.D
Acq On : 03 Oct 2025 15:55
Operator : JC\MD
Sample : VN1003WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 04 02:58:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1003WBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	228703	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	434830	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	402581	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	206765	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	182423	47.396	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 94.800%			
35) Dibromofluoromethane	8.147	113	136184	43.136	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 86.280%			
50) Toluene-d8	10.547	98	489802	44.117	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 88.240%			
62) 4-Bromofluorobenzene	12.829	95	176109	44.377	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 88.760%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	48119	18.168	ug/l	95
3) Chloromethane	2.383	50	50662	18.681	ug/l	97
4) Vinyl Chloride	2.536	62	51125	18.478	ug/l	97
5) Bromomethane	2.977	94	27339	15.939	ug/l	93
6) Chloroethane	3.136	64	34911	19.406	ug/l	98
7) Trichlorofluoromethane	3.506	101	87381	19.398	ug/l	97
8) Diethyl Ether	3.965	74	36126	21.228	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.365	101	46626	19.583	ug/l	96
10) Methyl Iodide	4.583	142	33271	15.527	ug/l	97
11) Tert butyl alcohol	5.524	59	63264	114.118	ug/l	98
12) 1,1-Dichloroethene	4.342	96	47653	19.836	ug/l	93
13) Acrolein	4.165	56	58812	82.680	ug/l	97
14) Allyl chloride	5.006	41	75096	19.201	ug/l	99
15) Acrylonitrile	5.712	53	174381	100.280	ug/l	99
16) Acetone	4.424	43	165335	104.404	ug/l	96
17) Carbon Disulfide	4.706	76	129613	17.268	ug/l	100
18) Methyl Acetate	5.018	43	97015	24.479	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	192412	20.503	ug/l	96
20) Methylene Chloride	5.265	84	64999	20.278	ug/l #	92
21) trans-1,2-Dichloroethene	5.777	96	56476	19.177	ug/l #	78
22) Diisopropyl ether	6.659	45	195931	21.460	ug/l	94
23) Vinyl Acetate	6.588	43	840790	109.372	ug/l	98
24) 1,1-Dichloroethane	6.553	63	106499	19.966	ug/l	99
25) 2-Butanone	7.471	43	257851	106.529	ug/l	99
26) 2,2-Dichloropropane	7.477	77	97207	20.511	ug/l	97
27) cis-1,2-Dichloroethene	7.471	96	68291	19.488	ug/l	97
28) Bromochloromethane	7.794	49	50349	17.373	ug/l	98
29) Tetrahydrofuran	7.824	42	161322	104.088	ug/l	99
30) Chloroform	7.947	83	118801	20.369	ug/l	100
31) Cyclohexane	8.241	56	86333	20.003	ug/l	91
32) 1,1,1-Trichloroethane	8.147	97	99067	20.102	ug/l	96
36) 1,1-Dichloropropene	8.353	75	74501	19.625	ug/l	98
37) Ethyl Acetate	7.547	43	96767	19.411	ug/l	98
38) Carbon Tetrachloride	8.347	117	81494	18.708	ug/l	100
39) Methylcyclohexane	9.582	83	78547	18.756	ug/l	99
40) Benzene	8.582	78	241648	19.225	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088025.D
Acq On : 03 Oct 2025 15:55
Operator : JC\MD
Sample : VN1003WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 04 02:58:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1003WBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.765	41	50055	19.429	ug/l		95
42) 1,2-Dichloroethane	8.653	62	86910	18.528	ug/l		98
43) Isopropyl Acetate	8.677	43	158166	20.157	ug/l		99
44) Trichloroethene	9.335	130	58280	19.411	ug/l		87
45) 1,2-Dichloropropane	9.600	63	59911	19.008	ug/l		96
46) Dibromomethane	9.688	93	47133	18.951	ug/l		94
47) Bromodichloromethane	9.871	83	96058	19.692	ug/l		92
48) Methyl methacrylate	9.665	41	70779	19.478	ug/l		99
49) 1,4-Dioxane	9.682	88	23082	429.972	ug/l		98
51) 4-Methyl-2-Pentanone	10.424	43	495920	101.282	ug/l		99
52) Toluene	10.612	92	153141	19.415	ug/l		99
53) t-1,3-Dichloropropene	10.818	75	97316	19.493	ug/l		99
54) cis-1,3-Dichloropropene	10.294	75	101859	19.644	ug/l		98
55) 1,1,2-Trichloroethane	10.994	97	63111	19.678	ug/l		97
56) Ethyl methacrylate	10.859	69	85962	18.549	ug/l		95
57) 1,3-Dichloropropane	11.141	76	105830	20.062	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.141	63	278033	127.602	ug/l		98
59) 2-Hexanone	11.176	43	303609	93.776	ug/l		96
60) Dibromochloromethane	11.335	129	72169	19.139	ug/l		99
61) 1,2-Dibromoethane	11.447	107	66699	19.645	ug/l		97
64) Tetrachloroethene	11.082	164	46836	19.099	ug/l		93
65) Chlorobenzene	11.865	112	171353	20.001	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.941	131	61187	19.805	ug/l		95
67) Ethyl Benzene	11.941	91	278838	19.505	ug/l		97
68) m/p-Xylenes	12.047	106	215590	39.433	ug/l		99
69) o-Xylene	12.376	106	100108	19.058	ug/l		96
70) Styrene	12.394	104	178431	19.779	ug/l		99
71) Bromoform	12.565	173	45970	18.340	ug/l	#	96
73) Isopropylbenzene	12.676	105	261068	20.372	ug/l		99
74) N-amyl acetate	12.682	43	82436m	19.524	ug/l		
75) 1,1,2,2-Tetrachloroethane	12.918	83	96751	20.954	ug/l		99
76) 1,2,3-Trichloropropane	12.970	75	79136m	19.416	ug/l		
77) Bromobenzene	12.959	156	67939	19.926	ug/l		97
78) n-propylbenzene	13.017	91	325816	20.336	ug/l		100
79) 2-Chlorotoluene	13.100	91	193668	19.852	ug/l		97
80) 1,3,5-Trimethylbenzene	13.153	105	225854	20.376	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.717	75	27307	18.604	ug/l		91
82) 4-Chlorotoluene	13.200	91	196420	19.982	ug/l		97
83) tert-Butylbenzene	13.417	119	192922	20.563	ug/l		96
84) 1,2,4-Trimethylbenzene	13.459	105	229109	20.152	ug/l		99
85) sec-Butylbenzene	13.594	105	281157	20.440	ug/l		99
86) p-Isopropyltoluene	13.706	119	233560	20.048	ug/l		98
87) 1,3-Dichlorobenzene	13.712	146	129925	19.527	ug/l		98
88) 1,4-Dichlorobenzene	13.788	146	134356	19.649	ug/l		98
89) n-Butylbenzene	14.035	91	217412	19.747	ug/l		99
90) Hexachloroethane	14.306	117	46848	19.251	ug/l		98
91) 1,2-Dichlorobenzene	14.082	146	128110	19.975	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.700	75	21548	20.085	ug/l		96
93) 1,2,4-Trichlorobenzene	15.370	180	75323	19.891	ug/l		98
94) Hexachlorobutadiene	15.470	225	25038	17.965	ug/l		94
95) Naphthalene	15.611	128	244645	20.127	ug/l		99
96) 1,2,3-Trichlorobenzene	15.811	180	70087	19.038	ug/l		95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088025.D
Acq On : 03 Oct 2025 15:55
Operator : JC\MD
Sample : VN1003WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 04 02:58:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1003WBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025

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

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

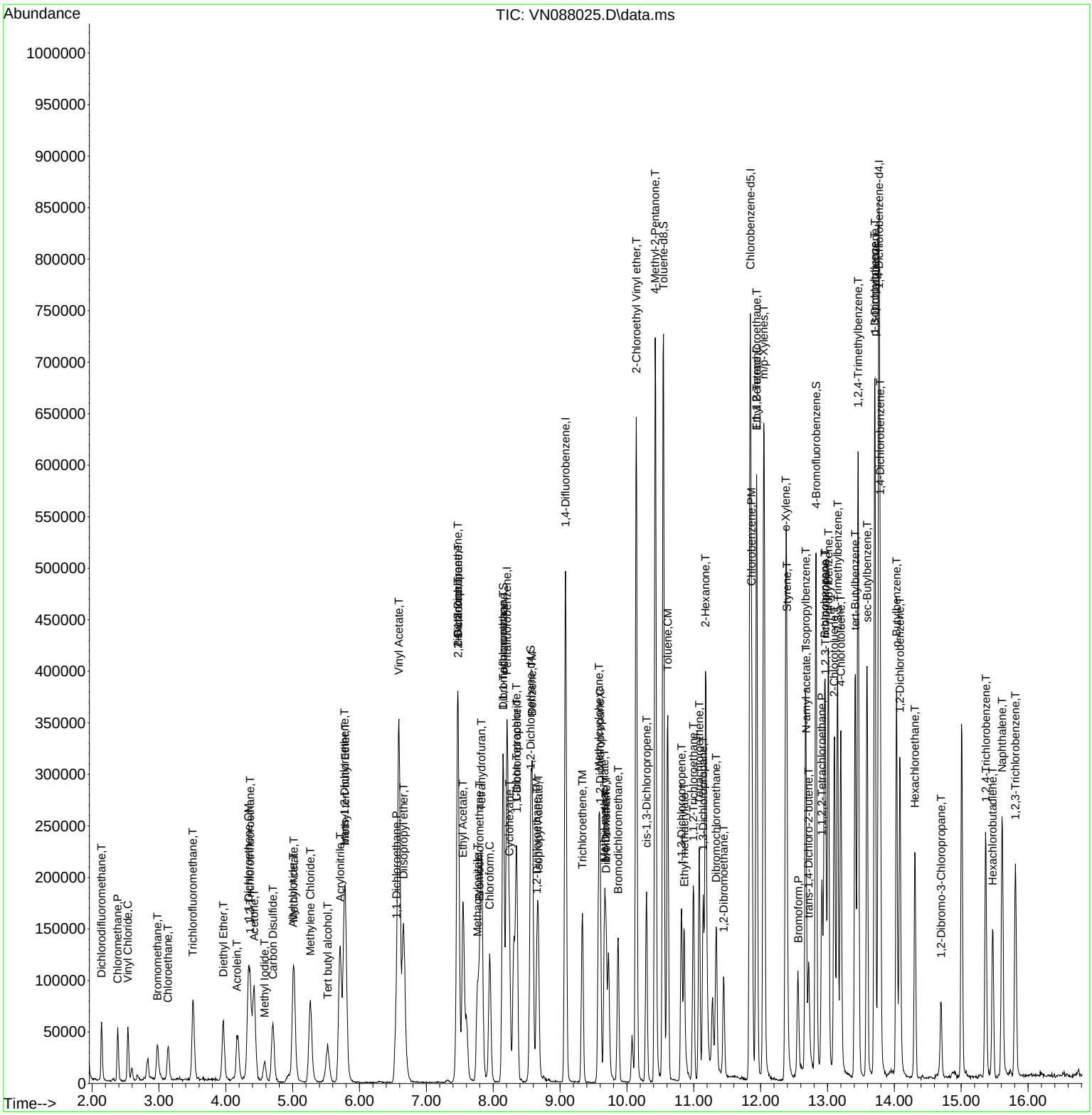
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100325\
Data File : VN088025.D
Acq On : 03 Oct 2025 15:55
Operator : JC\MD
Sample : VN1003WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Oct 04 02:58:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 05:05:30 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1003WBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 10/06/2025
Supervised By :Semsettin Yesilyurt 10/06/2025



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

Manual Integration Report

Sequence:	VN092325	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VN087924.D	1,2,3-Trichloropropane	JOHN	9/24/2025 8:09:59 AM	MMDadoda	9/26/2025 1:41:24 AM	Peak Integrated by Software
VSTDICC005	VN087924.D	Acetone	JOHN	9/24/2025 8:09:59 AM	MMDadoda	9/26/2025 1:41:24 AM	Peak Integrated by Software
VSTDICCC050	VN087926.D	1,2,3-Trichloropropane	JOHN	9/24/2025 8:10:07 AM	MMDadoda	9/26/2025 1:41:26 AM	Peak Integrated by Software
VSTDICCC050	VN087926.D	N-amyl acetate	JOHN	9/24/2025 8:10:07 AM	MMDadoda	9/26/2025 1:41:26 AM	Peak Integrated by Software
VSTDICCC050	VN087926.D	Vinyl Acetate	JOHN	9/24/2025 8:10:07 AM	MMDadoda	9/26/2025 1:41:26 AM	Peak Integrated by Software
VSTDICC100	VN087927.D	1,2,3-Trichloropropane	JOHN	9/24/2025 8:10:11 AM	MMDadoda	9/26/2025 1:41:28 AM	Peak Integrated by Software
VSTDICC100	VN087927.D	N-amyl acetate	JOHN	9/24/2025 8:10:11 AM	MMDadoda	9/26/2025 1:41:28 AM	Peak Integrated by Software
VSTDICC100	VN087927.D	Vinyl Acetate	JOHN	9/24/2025 8:10:11 AM	MMDadoda	9/26/2025 1:41:28 AM	Peak Integrated by Software
VSTDICC150	VN087928.D	1,2,3-Trichloropropane	JOHN	9/24/2025 8:10:15 AM	MMDadoda	9/26/2025 1:41:29 AM	Peak Integrated by Software
VSTDICC150	VN087928.D	Vinyl Acetate	JOHN	9/24/2025 8:10:15 AM	MMDadoda	9/26/2025 1:41:29 AM	Peak Integrated by Software
VSTDICC020	VN087930.D	1,2,3-Trichloropropane	JOHN	9/24/2025 8:10:20 AM	MMDadoda	9/26/2025 1:41:30 AM	Peak Integrated by Software
VSTDICC020	VN087930.D	N-amyl acetate	JOHN	9/24/2025 8:10:20 AM	MMDadoda	9/26/2025 1:41:30 AM	Peak Integrated by Software
VSTDICC020	VN087930.D	Vinyl Acetate	JOHN	9/24/2025 8:10:20 AM	MMDadoda	9/26/2025 1:41:30 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VN092325	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICV050	VN087931.D	1,2,3-Trichloropropane	JOHN	9/24/2025 8:10:24 AM	MMDadoda	9/26/2025 1:41:32 AM	Peak Integrated by Software
VSTDICV050	VN087931.D	N-amyl acetate	JOHN	9/24/2025 8:10:24 AM	MMDadoda	9/26/2025 1:41:32 AM	Peak Integrated by Software
VSTDICV050	VN087931.D	Vinyl Acetate	JOHN	9/24/2025 8:10:24 AM	MMDadoda	9/26/2025 1:41:32 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VN100325	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN088013.D	1,2,3-Trichloropropane	MMDadoda	10/6/2025 4:24:21 AM	SAM	10/6/2025 4:28:25 AM	Peak Integrated by Software
VSTDCCC050	VN088013.D	N-amyl acetate	MMDadoda	10/6/2025 4:24:21 AM	SAM	10/6/2025 4:28:25 AM	Peak Integrated by Software
VN1003WBS01	VN088016.D	1,2,3-Trichloropropane	MMDadoda	10/6/2025 4:24:22 AM	SAM	10/6/2025 4:28:26 AM	Peak Integrated by Software
VN1003WBS01	VN088016.D	N-amyl acetate	MMDadoda	10/6/2025 4:24:22 AM	SAM	10/6/2025 4:28:26 AM	Peak Integrated by Software
Q3274-01	VN088021.D	n-Butylbenzene	MMDadoda	10/6/2025 4:24:25 AM	SAM	10/6/2025 4:28:30 AM	Peak Integrated by Software
VN1003WBSD01	VN088025.D	1,2,3-Trichloropropane	MMDadoda	10/6/2025 4:24:27 AM	SAM	10/6/2025 4:28:32 AM	Peak Integrated by Software
VN1003WBSD01	VN088025.D	N-amyl acetate	MMDadoda	10/6/2025 4:24:27 AM	SAM	10/6/2025 4:28:32 AM	Peak Integrated by Software
Q3274-01DL	VN088027.D	n-Butylbenzene	MMDadoda	10/6/2025 4:24:28 AM	SAM	10/6/2025 4:28:34 AM	Peak Integrated by Software
VSTDCCC050	VN088028.D	1,2,3-Trichloropropane	MMDadoda	10/6/2025 4:24:30 AM	SAM	10/6/2025 4:28:36 AM	Peak Integrated by Software
VSTDCCC050	VN088028.D	N-amyl acetate	MMDadoda	10/6/2025 4:24:30 AM	SAM	10/6/2025 4:28:36 AM	Peak Integrated by Software

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN092325

Review By	John Carlone	Review On	9/24/2025 8:10:38 AM		
Supervise By	Mahesh Dadoda	Supervise On	9/26/2025 1:41:42 AM		
SubDirectory	VN092325	HP Acquire Method		HP Processing Method	82N092325W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135592
Initial Calibration Stds	VP135674,VP135675,VP135676,VP135677,VP135678
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP135679
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN087922.D	23 Sep 2025 08:31	JC\MD	Ok
2	VSTDICC001	VN087923.D	23 Sep 2025 08:51	JC\MD	Not Ok
3	VSTDICC005	VN087924.D	23 Sep 2025 09:33	JC\MD	Ok,M
4	VSTDICC020	VN087925.D	23 Sep 2025 09:54	JC\MD	Not Ok
5	VSTDICCC050	VN087926.D	23 Sep 2025 10:15	JC\MD	Ok,M
6	VSTDICC100	VN087927.D	23 Sep 2025 10:36	JC\MD	Ok,M
7	VSTDICC150	VN087928.D	23 Sep 2025 10:56	JC\MD	Ok,M
8	IBLK	VN087929.D	23 Sep 2025 11:17	JC\MD	Ok
9	VSTDICC020	VN087930.D	23 Sep 2025 11:47	JC\MD	Ok,M
10	VSTDICV050	VN087931.D	23 Sep 2025 15:08	JC\MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN100325

Review By	Mahesh Dadoda	Review On	10/6/2025 4:24:42 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	10/6/2025 4:28:46 AM		
SubDirectory	VN100325	HP Acquire Method		HP Processing Method	82N092325W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135737
Initial Calibration Stds	
CCC	VP135738,VP135739
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN088012.D	03 Oct 2025 09:34	JC\MD	Ok
2	VSTDCCC050	VN088013.D	03 Oct 2025 10:17	JC\MD	Ok,M
3	VN1003MBL01	VN088014.D	03 Oct 2025 10:50	JC\MD	Ok
4	VN1003WBL01	VN088015.D	03 Oct 2025 11:11	JC\MD	Ok
5	VN1003WBS01	VN088016.D	03 Oct 2025 12:07	JC\MD	Ok,M
6	VN1003MBS01	VN088017.D	03 Oct 2025 12:40	JC\MD	Ok,M
7	Q3272-03	VN088018.D	03 Oct 2025 13:01	JC\MD	Not Ok
8	IBLK	VN088019.D	03 Oct 2025 13:21	JC\MD	Ok
9	IBLK	VN088020.D	03 Oct 2025 13:57	JC\MD	Ok
10	Q3274-01	VN088021.D	03 Oct 2025 14:17	JC\MD	Dilution
11	Q3274-02	VN088022.D	03 Oct 2025 14:38	JC\MD	Dilution
12	Q3224-02	VN088023.D	03 Oct 2025 14:59	JC\MD	Ok
13	IBLK	VN088024.D	03 Oct 2025 15:34	JC\MD	Ok
14	VN1003WBSD01	VN088025.D	03 Oct 2025 15:55	JC\MD	Ok,M
15	Q3274-02DL	VN088026.D	03 Oct 2025 16:16	JC\MD	Ok
16	Q3274-01DL	VN088027.D	03 Oct 2025 16:37	JC\MD	Ok,M
17	VSTDCCC050	VN088028.D	03 Oct 2025 16:58	JC\MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN092325

Review By	John Carlone	Review On	9/24/2025 8:10:38 AM		
Supervise By	Mahesh Dadoda	Supervise On	9/26/2025 1:41:42 AM		
SubDirectory	VN092325	HP Acquire Method		HP Processing Method	82N092325W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135592
Initial Calibration Stds	VP135674,VP135675,VP135676,VP135677,VP135678
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP135679
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN087922.D	23 Sep 2025 08:31		JC\MD	Ok
2	VSTDICC001	VSTDICC001	VN087923.D	23 Sep 2025 08:51	Not used	JC\MD	Not Ok
3	VSTDICC005	VSTDICC005	VN087924.D	23 Sep 2025 09:33		JC\MD	Ok,M
4	VSTDICC020	VSTDICC020	VN087925.D	23 Sep 2025 09:54	Spiked Low	JC\MD	Not Ok
5	VSTDICCC050	VSTDICCC050	VN087926.D	23 Sep 2025 10:15		JC\MD	Ok,M
6	VSTDICC100	VSTDICC100	VN087927.D	23 Sep 2025 10:36		JC\MD	Ok,M
7	VSTDICC150	VSTDICC150	VN087928.D	23 Sep 2025 10:56		JC\MD	Ok,M
8	IBLK	IBLK	VN087929.D	23 Sep 2025 11:17		JC\MD	Ok
9	VSTDICC020	VSTDICC020	VN087930.D	23 Sep 2025 11:47		JC\MD	Ok,M
10	VSTDICV050	ICVVN092325	VN087931.D	23 Sep 2025 15:08		JC\MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN100325

Review By	Mahesh Dadoda	Review On	10/6/2025 4:24:42 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	10/6/2025 4:28:46 AM		
SubDirectory	VN100325	HP Acquire Method		HP Processing Method	82N092325W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135737
Initial Calibration Stds	
CCC	VP135738,VP135739
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN088012.D	03 Oct 2025 09:34		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN088013.D	03 Oct 2025 10:17		JC\MD	Ok,M
3	VN1003MBL01	VN1003MBL01	VN088014.D	03 Oct 2025 10:50		JC\MD	Ok
4	VN1003WBL01	VN1003WBL01	VN088015.D	03 Oct 2025 11:11		JC\MD	Ok
5	VN1003WBS01	VN1003WBS01	VN088016.D	03 Oct 2025 12:07		JC\MD	Ok,M
6	VN1003MBS01	VN1003MBS01	VN088017.D	03 Oct 2025 12:40		JC\MD	Ok,M
7	Q3272-03	R7	VN088018.D	03 Oct 2025 13:01	Need Soil Run	JC\MD	Not Ok
8	IBLK	IBLK	VN088019.D	03 Oct 2025 13:21		JC\MD	Ok
9	IBLK	IBLK	VN088020.D	03 Oct 2025 13:57		JC\MD	Ok
10	Q3274-01	MW4	VN088021.D	03 Oct 2025 14:17	vial A pH<2 Need 10X	JC\MD	Dilution
11	Q3274-02	MW5	VN088022.D	03 Oct 2025 14:38	vial A pH<2 Need 5X	JC\MD	Dilution
12	Q3224-02	60490	VN088023.D	03 Oct 2025 14:59	vial A pH<2	JC\MD	Ok
13	IBLK	IBLK	VN088024.D	03 Oct 2025 15:34		JC\MD	Ok
14	VN1003WBSD01	VN1003WBSD01	VN088025.D	03 Oct 2025 15:55		JC\MD	Ok,M
15	Q3274-02DL	MW5DL	VN088026.D	03 Oct 2025 16:16	vial B pH<2	JC\MD	Ok
16	Q3274-01DL	MW4DL	VN088027.D	03 Oct 2025 16:37	vial B pH<2	JC\MD	Ok,M
17	VSTDCCC050	VSTDCCC050EC	VN088028.D	03 Oct 2025 16:58		JC\MD	Ok,M

M : Manual Integration

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

LAB CHRONICLE

OrderID:	Q3274	**OrderDate:**	10/2/2025 3:37:00 PM
Client:	G Environmental	**Project:**	ANN
Contact:	Gary Landis	**Location:**	D41,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3274-01	**MW4**	**Water**			**10/01/25**			**10/02/25**
			VOC-TCLVOA-10	8260D			10/03/25	
Q3274-01DL	**MW4DL**	**Water**			**10/01/25**			**10/02/25**
			VOC-TCLVOA-10	8260D			10/03/25	
Q3274-02	**MW5**	**Water**			**10/01/25**			**10/02/25**
			VOC-TCLVOA-10	8260D			10/03/25	
Q3274-02DL	**MW5DL**	**Water**			**10/01/25**			**10/02/25**
			VOC-TCLVOA-10	8260D			10/03/25	

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

Hit Summary Sheet
SW-846

SDG No.: Q3274

Client: G Environmental

Sample ID	Client ID		Parameter		Concentration	C	MDL	RDL	Units
Client ID : MW4									
Q3274-01	MW4	WATER	2-Methylnaphthalene		24.500		0.56	5	ug/L
Q3274-01	MW4	WATER	Fluorene		3.500	J	0.63	5	ug/L
Q3274-01	MW4	WATER	Phenanthrene		2.400	J	0.5	5	ug/L
			Total Svoc :		**30.40**				
Q3274-01	MW4	WATER	(E)-1-Phenyl-1-butene	*	16.500	J	0	0	ug/L
Q3274-01	MW4	WATER	1-Phenyl-1-butene	*	33.200	J	0	0	ug/L
Q3274-01	MW4	WATER	Benzene, 1,2,4,5-tetramethyl-	*	19.000	J	0	0	ug/L
Q3274-01	MW4	WATER	Benzene, 1,2-diethyl-	*	38.900	J	0	0	ug/L
Q3274-01	MW4	WATER	Benzene, 2-ethyl-1,3-dimethyl-	*	130.000	J	0	0	ug/L
Q3274-01	MW4	WATER	Indane	*	43.000	J	0	0	ug/L
Q3274-01	MW4	WATER	Naphthalene, 1,4-dimethyl-	*	10.000	J	0	0	ug/L
Q3274-01	MW4	WATER	Naphthalene, 1,5-dimethyl-	*	10.600	J	0	0	ug/L
Q3274-01	MW4	WATER	Naphthalene, 1,6-dimethyl-	*	23.900	J	0	0	ug/L
Q3274-01	MW4	WATER	Naphthalene, 2,3-dimethyl-	*	8.100	J	0	0	ug/L
Q3274-01	MW4	WATER	Tridecanoic acid	*	7.800	J	0	0	ug/L
Q3274-01	MW4	WATER	1-Methylnaphthalene	*	22.500	J	0.66	5	ug/L
			Total Tics :		**363.50**				
			Total Concentration:		**393.90**				

SAMPLE DATA

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

Report of Analysis

Client:	G Environmental	Date Collected:	10/01/25
Project:	ANN	Date Received:	10/02/25
Client Sample ID:	MW4	SDG No.:	Q3274
Lab Sample ID:	Q3274-01	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
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
BG064494.D	1	10/03/25 08:35	10/03/25 19:40	PB169973

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	3.90	U	3.90	10.0	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.81	U	0.81	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.30	U	1.30	5.00	ug/L
98-86-2	Acetophenone	0.74	U	0.74	5.00	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.40	U	1.40	2.50	ug/L
67-72-1	Hexachloroethane	0.65	U	0.65	5.00	ug/L
98-95-3	Nitrobenzene	0.76	U	0.76	5.00	ug/L
78-59-1	Isophorone	0.75	U	0.75	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	0.68	U	0.68	5.00	ug/L
91-20-3	Naphthalene	0.50	U	0.50	5.00	ug/L
106-47-8	4-Chloroaniline	0.84	UQ	0.84	5.00	ug/L
87-68-3	Hexachlorobutadiene	0.54	U	0.54	5.00	ug/L
105-60-2	Caprolactam	1.10	U	1.10	10.0	ug/L
91-57-6	2-Methylnaphthalene	24.5		0.56	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	3.60	U	3.60	10.0	ug/L
92-52-4	1,1-Biphenyl	0.53	U	0.53	5.00	ug/L
91-58-7	2-Chloronaphthalene	0.61	U	0.61	5.00	ug/L
88-74-4	2-Nitroaniline	1.30	U	1.30	5.00	ug/L
131-11-3	Dimethylphthalate	0.61	U	0.61	5.00	ug/L
208-96-8	Acenaphthylene	0.75	U	0.75	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	0.92	U	0.92	5.00	ug/L
99-09-2	3-Nitroaniline	1.10	UQ	1.10	5.00	ug/L
83-32-9	Acenaphthene	0.55	U	0.55	5.00	ug/L
132-64-9	Dibenzofuran	0.61	U	0.61	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	1.20	U	1.20	5.00	ug/L
84-66-2	Diethylphthalate	0.69	U	0.69	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.68	U	0.68	5.00	ug/L
86-73-7	Fluorene	3.50	J	0.63	5.00	ug/L
100-01-6	4-Nitroaniline	1.50	U	1.50	5.00	ug/L

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

Report of Analysis

Client:	G Environmental	Date Collected:	10/01/25
Project:	ANN	Date Received:	10/02/25
Client Sample ID:	MW4	SDG No.:	Q3274
Lab Sample ID:	Q3274-01	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
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
BG064494.D	1	10/03/25 08:35	10/03/25 19:40	PB169973

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
86-30-6	n-Nitrosodiphenylamine	0.58	U	0.58	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	0.40	U	0.40	5.00	ug/L
118-74-1	Hexachlorobenzene	0.52	U	0.52	5.00	ug/L
1912-24-9	Atrazine	1.00	U	1.00	5.00	ug/L
85-01-8	Phenanthrene	2.40	J	0.50	5.00	ug/L
120-12-7	Anthracene	0.61	U	0.61	5.00	ug/L
86-74-8	Carbazole	0.72	U	0.72	5.00	ug/L
84-74-2	Di-n-butylphthalate	1.20	U	1.20	5.00	ug/L
206-44-0	Fluoranthene	0.82	U	0.82	5.00	ug/L
129-00-0	Pyrene	0.50	U	0.50	5.00	ug/L
85-68-7	Butylbenzylphthalate	1.90	U	1.90	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	0.93	UQ	0.93	10.0	ug/L
56-55-3	Benzo(a)anthracene	0.45	U	0.45	5.00	ug/L
218-01-9	Chrysene	0.44	U	0.44	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.60	U	1.60	5.00	ug/L
117-84-0	Di-n-octyl phthalate	2.30	U	2.30	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	0.49	U	0.49	5.00	ug/L
207-08-9	Benzo(k)fluoranthene	0.48	U	0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	0.55	U	0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.59	U	0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.67	U	0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	0.69	U	0.69	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	0.52	U	0.52	5.00	ug/L
123-91-1	1,4-Dioxane	1.00	U	1.00	5.00	ug/L
SURROGATES						
4165-60-0	Nitrobenzene-d5	90.5		30 (67) - 130 (132)	90%	SPK: 100
321-60-8	2-Fluorobiphenyl	89.5		30 (52) - 130 (132)	90%	SPK: 100
1718-51-0	Terphenyl-d14	89.1		30 (42) - 130 (152)	89%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	15300	7.824			

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

Report of Analysis

Client:	G Environmental	Date Collected:	10/01/25
Project:	ANN	Date Received:	10/02/25
Client Sample ID:	MW4	SDG No.:	Q3274
Lab Sample ID:	Q3274-01	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
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
BG064494.D	1	10/03/25 08:35	10/03/25 19:40	PB169973

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1146-65-2	Naphthalene-d8	63100	10.609			
15067-26-2	Acenaphthene-d10	49500	14.446			
1517-22-2	Phenanthrene-d10	127000	17.19			
1719-03-5	Chrysene-d12	134000	21.408			
1520-96-3	Perylene-d12	147000	24.387			
TENTATIVE IDENTIFIED COMPOUNDS						
000496-11-7	Indane	43.0	J		8.19	ug/L
000135-01-3	Benzene, 1,2-diethyl-	38.9	J		8.32	ug/L
002870-04-4	Benzene, 2-ethyl-1,3-dimethyl-	130	J		8.93	ug/L
000095-93-2	Benzene, 1,2,4,5-tetramethyl-	19.0	J		9.45	ug/L
001005-64-7	(E)-1-Phenyl-1-butene	16.5	J		9.86	ug/L
000824-90-8	1-Phenyl-1-butene	33.2	J		10.0	ug/L
90-12-0	1-Methylnaphthalene	22.5	J		12.5	ug/L
000571-58-4	Naphthalene, 1,4-dimethyl-	10.0	J		13.6	ug/L
000575-43-9	Naphthalene, 1,6-dimethyl-	23.9	J		13.8	ug/L
000571-61-9	Naphthalene, 1,5-dimethyl-	10.6	J		13.8	ug/L
000581-40-8	Naphthalene, 2,3-dimethyl-	8.10	J		14.2	ug/L
000638-53-9	Tridecanoic acid	7.80	J		18.1	ug/L

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.: Q3274

Client: G Environmental

Analytical Method: 8270E

Lab Sample ID	Client ID	Parameter	Spike (PPM)	Result (PPM)	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
PB169973BL	PB169973BL	Nitrobenzene-d5	100	94.0	94		30 (67)	130 (132)
		2-Fluorobiphenyl	100	90.7	91		30 (52)	130 (132)
		Terphenyl-d14	100	98.8	99		30 (42)	130 (152)
PB169973BS	PB169973BS	Nitrobenzene-d5	100	94.3	94		30 (67)	130 (132)
		2-Fluorobiphenyl	100	91.8	92		30 (52)	130 (132)
		Terphenyl-d14	100	97.3	97		30 (42)	130 (152)
PB169973BSD	PB169973BSD	Nitrobenzene-d5	100	91.5	91		30 (67)	130 (132)
		2-Fluorobiphenyl	100	90.3	90		30 (52)	130 (132)
		Terphenyl-d14	100	96.5	97		30 (42)	130 (152)
Q3274-01	MW4	Nitrobenzene-d5	100	90.5	90		30 (67)	130 (132)
		2-Fluorobiphenyl	100	89.5	90		30 (52)	130 (132)
		Terphenyl-d14	100	89.1	89		30 (42)	130 (152)

( ) = LABORATORY INHOUSE LIMIT

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3274 **Analytical Method:** 8270E

Client: G Environmental **DataFile:** BG064489.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB169973BS	Benzaldehyde	50	26.5	ug/L	53				20 (10)	160 (162)	
	bis(2-Chloroethyl)ether	50	49.4	ug/L	99				70 (62)	130 (103)	
	2,2-oxybis(1-Chloropropane)	50	49.5	ug/L	99				70 (65)	130 (100)	
	Acetophenone	50	57.0	ug/L	114				70 (60)	130 (104)	
	N-Nitroso-di-n-propylamine	50	51.0	ug/L	102				70 (57)	130 (107)	
	Hexachloroethane	50	49.2	ug/L	98				20 (76)	160 (118)	
	Nitrobenzene	50	50.7	ug/L	101				70 (58)	130 (106)	
	Isophorone	50	48.4	ug/L	97				70 (61)	130 (102)	
	bis(2-Chloroethoxy)methane	50	50.5	ug/L	101				70 (58)	130 (109)	
	Naphthalene	50	50.7	ug/L	101				70 (64)	130 (107)	
	4-Chloroaniline	50	18.8	ug/L	38		*		70 (10)	130 (85)	
	Hexachlorobutadiene	50	49.1	ug/L	98				70 (69)	130 (101)	
	Caprolactam	50	52.0	ug/L	104				20 (58)	160 (128)	
	2-Methylnaphthalene	50	46.2	ug/L	92				70 (64)	130 (107)	
	Hexachlorocyclopentadiene	100	150	ug/L	150				20 (36)	160 (160)	
	1,1-Biphenyl	50	56.4	ug/L	113				70 (72)	130 (98)	
	2-Chloronaphthalene	50	50.1	ug/L	100				70 (59)	130 (106)	
	2-Nitroaniline	50	53.0	ug/L	106				70 (73)	130 (114)	
	Dimethylphthalate	50	52.1	ug/L	104				70 (64)	130 (103)	
	Acenaphthylene	50	57.9	ug/L	116				70 (79)	130 (103)	
	2,6-Dinitrotoluene	50	53.0	ug/L	106				70 (64)	130 (110)	
	3-Nitroaniline	50	30.0	ug/L	60		*		70 (28)	130 (100)	
	Acenaphthene	50	49.8	ug/L	100				70 (59)	130 (113)	
	Dibenzofuran	50	51.4	ug/L	103				70 (65)	130 (106)	
	2,4-Dinitrotoluene	50	52.2	ug/L	104				70 (60)	130 (115)	
	Diethylphthalate	50	51.8	ug/L	104				70 (63)	130 (105)	
	4-Chlorophenyl-phenylether	50	50.4	ug/L	101				70 (61)	130 (104)	
	Fluorene	50	52.1	ug/L	104				70 (64)	130 (107)	
	4-Nitroaniline	50	53.5	ug/L	107				70 (55)	130 (125)	
	N-Nitrosodiphenylamine	50	52.3	ug/L	105				70 (61)	130 (109)	
	4-Bromophenyl-phenylether	50	51.0	ug/L	102				70 (73)	130 (103)	
	Hexachlorobenzene	50	50.8	ug/L	102				70 (73)	130 (106)	
	Atrazine	50	55.0	ug/L	110				70 (76)	130 (120)	
	Phenanthrene	50	51.6	ug/L	103				70 (62)	130 (109)	
	Anthracene	50	53.0	ug/L	106				70 (65)	130 (110)	
	Carbazole	50	53.2	ug/L	106				70 (62)	130 (106)	
	Di-n-butylphthalate	50	52.6	ug/L	105				70 (64)	130 (106)	
	Fluoranthene	50	52.1	ug/L	104				70 (64)	130 (110)	
	Pyrene	50	51.7	ug/L	103				70 (71)	130 (103)	
	Butylbenzylphthalate	50	52.8	ug/L	106				70 (61)	130 (105)	
	3,3-Dichlorobenzidine	50	30.6	ug/L	61		*		70 (43)	130 (108)	
	Benzo(a)anthracene	50	51.5	ug/L	103				70 (62)	130 (107)	
	Chrysene	50	51.3	ug/L	103				70 (61)	130 (108)	
	bis(2-Ethylhexyl)phthalate	50	52.7	ug/L	105				70 (59)	130 (110)	

( ) = LABORATORY INHOUSE LIMIT

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3274 **Analytical Method:** 8270E

Client: G Environmental **DataFile:** BG064489.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	RPD
PB169973BS	Di-n-octyl phthalate	50	52.0	ug/L	104				70 (52)	130 (139)	
	Benzo(b)fluoranthene	50	54.2	ug/L	108				70 (77)	130 (113)	
	Benzo(k)fluoranthene	50	51.8	ug/L	104				70 (77)	130 (105)	
	Benzo(a)pyrene	50	54.9	ug/L	110				70 (72)	130 (131)	
	Indeno(1,2,3-cd)pyrene	50	53.9	ug/L	108				70 (72)	130 (105)	
	Dibenz(a,h)anthracene	50	55.2	ug/L	110				70 (78)	130 (115)	
	Benzo(g,h,i)perylene	50	54.7	ug/L	109				70 (75)	130 (118)	
	1,2,4,5-Tetrachlorobenzene	50	54.2	ug/L	108				70 (72)	130 (101)	
	1,4-Dioxane	50	37.9	ug/L	76				20 (38)	160 (125)	

( ) = LABORATORY INHOUSE LIMIT

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3274 **Analytical Method:** 8270E

Client: G Environmental **DataFile:** BG064490.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB169973BSD	Benzaldehyde	50	26.1	ug/L	52	2			20 (10)	160 (162)	20 (20)
	bis(2-Chloroethyl)ether	50	49.7	ug/L	99	1			70 (62)	130 (103)	20 (20)
	2,2-oxybis(1-Chloropropane)	50	48.3	ug/L	97	2			70 (65)	130 (100)	20 (20)
	Acetophenone	50	54.9	ug/L	110	4			70 (60)	130 (104)	20 (20)
	N-Nitroso-di-n-propylamine	50	52.4	ug/L	105	3			70 (57)	130 (107)	20 (20)
	Hexachloroethane	50	49.3	ug/L	99	0			20 (76)	160 (118)	20 (20)
	Nitrobenzene	50	47.6	ug/L	95	6			70 (58)	130 (106)	20 (20)
	Isophorone	50	47.7	ug/L	95	1			70 (61)	130 (102)	20 (20)
	bis(2-Chloroethoxy)methane	50	49.3	ug/L	99	2			70 (58)	130 (109)	20 (20)
	Naphthalene	50	48.5	ug/L	97	4			70 (64)	130 (107)	20 (20)
	4-Chloroaniline	50	15.2	ug/L	30	21	*	*	70 (10)	130 (85)	20 (20)
	Hexachlorobutadiene	50	47.0	ug/L	94	4			70 (69)	130 (101)	20 (20)
	Caprolactam	50	50.1	ug/L	100	4			20 (58)	160 (128)	20 (20)
	2-Methylnaphthalene	50	44.5	ug/L	89	4			70 (64)	130 (107)	20 (20)
	Hexachlorocyclopentadiene	100	140	ug/L	140	7			20 (36)	160 (160)	20 (20)
	1,1-Biphenyl	50	53.2	ug/L	106	6			70 (72)	130 (98)	20 (20)
	2-Chloronaphthalene	50	47.4	ug/L	95	6			70 (59)	130 (106)	20 (20)
	2-Nitroaniline	50	50.6	ug/L	101	5			70 (73)	130 (114)	20 (20)
	Dimethylphthalate	50	48.6	ug/L	97	7			70 (64)	130 (103)	20 (20)
	Acenaphthylene	50	55.5	ug/L	111	4			70 (79)	130 (103)	20 (20)
	2,6-Dinitrotoluene	50	50.2	ug/L	100	5			70 (64)	130 (110)	20 (20)
	3-Nitroaniline	50	26.1	ug/L	52	14	*		70 (28)	130 (100)	20 (20)
	Acenaphthene	50	47.3	ug/L	95	5			70 (59)	130 (113)	20 (20)
	Dibenzofuran	50	49.0	ug/L	98	5			70 (65)	130 (106)	20 (20)
	2,4-Dinitrotoluene	50	53.2	ug/L	106	2			70 (60)	130 (115)	20 (20)
	Diethylphthalate	50	49.5	ug/L	99	5			70 (63)	130 (105)	20 (20)
	4-Chlorophenyl-phenylether	50	48.0	ug/L	96	5			70 (61)	130 (104)	20 (20)
	Fluorene	50	50.3	ug/L	101	4			70 (64)	130 (107)	20 (20)
	4-Nitroaniline	50	52.3	ug/L	105	2			70 (55)	130 (125)	20 (20)
	N-Nitrosodiphenylamine	50	49.3	ug/L	99	6			70 (61)	130 (109)	20 (20)
	4-Bromophenyl-phenylether	50	48.1	ug/L	96	6			70 (73)	130 (103)	20 (20)
	Hexachlorobenzene	50	48.9	ug/L	98	4			70 (73)	130 (106)	20 (20)
	Atrazine	50	52.8	ug/L	106	4			70 (76)	130 (120)	20 (20)
	Phenanthrene	50	48.6	ug/L	97	6			70 (62)	130 (109)	20 (20)
	Anthracene	50	49.9	ug/L	100	6			70 (65)	130 (110)	20 (20)
	Carbazole	50	52.1	ug/L	104	2			70 (62)	130 (106)	20 (20)
	Di-n-butylphthalate	50	51.7	ug/L	103	2			70 (64)	130 (106)	20 (20)
	Fluoranthene	50	51.0	ug/L	102	2			70 (64)	130 (110)	20 (20)
	Pyrene	50	49.5	ug/L	99	4			70 (71)	130 (103)	20 (20)
	Butylbenzylphthalate	50	50.7	ug/L	101	4			70 (61)	130 (105)	20 (20)
	3,3-Dichlorobenzidine	50	27.3	ug/L	55	11	*		70 (43)	130 (108)	20 (20)
	Benzo(a)anthracene	50	50.0	ug/L	100	3			70 (62)	130 (107)	20 (20)
	Chrysene	50	49.6	ug/L	99	3			70 (61)	130 (108)	20 (20)
	bis(2-Ethylhexyl)phthalate	50	51.0	ug/L	102	3			70 (59)	130 (110)	20 (20)

( ) = LABORATORY INHOUSE LIMIT

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3274 **Analytical Method:** 8270E

Client: G Environmental **DataFile:** BG064490.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	RPD Qual	Limits Low	Limits High	Limits RPD
PB169973BSD	Di-n-octyl phthalate	50	50.3	ug/L	101	3			70 (52)	130 (139)	20 (20)
	Benzo(b)fluoranthene	50	50.4	ug/L	101	7			70 (77)	130 (113)	20 (20)
	Benzo(k)fluoranthene	50	51.7	ug/L	103	0			70 (77)	130 (105)	20 (20)
	Benzo(a)pyrene	50	53.3	ug/L	107	3			70 (72)	130 (131)	20 (20)
	Indeno(1,2,3-cd)pyrene	50	51.2	ug/L	102	5			70 (72)	130 (105)	20 (20)
	Dibenz(a,h)anthracene	50	52.4	ug/L	105	5			70 (78)	130 (115)	20 (20)
	Benzo(g,h,i)perylene	50	52.7	ug/L	105	4			70 (75)	130 (118)	20 (20)
	1,2,4,5-Tetrachlorobenzene	50	53.7	ug/L	107	1			70 (72)	130 (101)	20 (20)
	1,4-Dioxane	50	40.6	ug/L	81	7			20 (38)	160 (125)	20 (20)

( ) = LABORATORY INHOUSE LIMIT

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

4B

SEMIVOLATILE METHOD BLANK SUMMARY

Client ID: PB169973BL

Lab Name: Alliance | Contract: GENV01

Lab Code: ACE | SDG NO.: Q3274

Lab File ID: BG064488.D | Lab Sample ID: PB169973BL

Instrument ID: BNA_G | Date Extracted: 10/03/2025

Matrix: (soil/water) Water | Date Analyzed: 10/03/2025

Level: (low/med) LOW | Time Analyzed: 15:35

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
PB169973BS	PB169973BS	BG064489.D	10/03/2025
PB169973BSD	PB169973BSD	BG064490.D	10/03/2025
MW4	Q3274-01	BG064494.D	10/03/2025

COMMENTS:

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG NO.: Q3274

Lab File ID: BG064472.D DFTPP Injection Date: 10/02/2025

Instrument ID: BNA_G DFTPP Injection Time: 08:21

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.3 (1.1) 1
69	Mass 69 relative abundance	29.9
70	Less than 2.0% of mass 69	0.1 (0.4) 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	6.4
365	Greater than 1% of mass 198	6.7
441	Present, but less than mass 443	16.8
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.5 (19.5) 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
SSTDICC2.5	SSTDICC2.5	BG064473.D	10/02/2025	09:01
SSTDICC005	SSTDICC005	BG064474.D	10/02/2025	09:42
SSTDICC020	SSTDICC020	BG064476.D	10/02/2025	11:33
SSTDICCC040	SSTDICCC040	BG064477.D	10/02/2025	12:14
SSTDICC050	SSTDICC050	BG064478.D	10/02/2025	12:55
SSTDICC060	SSTDICC060	BG064479.D	10/02/2025	13:35
SSTDICC080	SSTDICC080	BG064480.D	10/02/2025	14:16
SSTDICC010	SSTDICC010	BG064481.D	10/02/2025	15:49

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

5B

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK

DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG NO.: Q3274

Lab File ID: BG064484.D DFTPP Injection Date: 10/03/2025

Instrument ID: BNA_G DFTPP Injection Time: 12:52

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
68	Less than 2.0% of mass 69	0.4 (1.4) 1
69	Mass 69 relative abundance	28.7
70	Less than 2.0% of mass 69	0.1 (0.3) 1
197	Less than 2.0% of mass 198	0.3
198	Base Peak, 100% relative abundance	100
199	5.0 to 9.0% of mass 198	6.1
365	Greater than 1% of mass 198	6.1
441	Present, but less than mass 443	11.1
442	Greater than 50% of mass 198	100
443	15.0 - 24.0% of mass 442	19.9 (19.9) 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
SSTDCCC040	SSTDCCC040	BG064485.D	10/03/2025	13:33
PB169973BL	PB169973BL	BG064488.D	10/03/2025	15:35
PB169973BS	PB169973BS	BG064489.D	10/03/2025	16:16
PB169973BSD	PB169973BSD	BG064490.D	10/03/2025	16:57
MW4	Q3274-01	BG064494.D	10/03/2025	19:40

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

8B

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3274

Client ID : SSTDCCC040 Date Analyzed: 10/03/2025

Lab File ID: BG064485.D Time Analyzed: 13:33

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

		IS1 (DCB) AREA #	RT #	IS2 (NPT) AREA #	RT #	IS3 (ANT) AREA #	RT #
	12 HOUR STD	17500	7.821	78873	10.61	59706	14.45
	UPPER LIMIT	35000	8.321	157746	11.112	119412	14.948
	LOWER LIMIT	8750	7.321	39436.5	10.112	29853	13.948
	EPA SAMPLE NO.						
01	PB169973BL	16965	7.82	71465	10.61	57081	14.45
02	PB169973BS	16264	7.82	69209	10.61	53762	14.45
03	PB169973BSD	15312	7.83	68886	10.61	53563	14.45
04	MW4	15257	7.82	63069	10.61	49495	14.45

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.

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

8C

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance

Lab Code: ACE SDG NO.: Q3274

Client ID: SSTDCCC040 Date Analyzed: 10/03/2025

Lab File ID: BG064485.D Time Analyzed: 13:33

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

		IS4 (PHN) AREA #	RT #	IS5 (CRY) AREA #	RT #	IS6 (PRY) AREA #	RT #
	12 HOUR STD	149943	17.186	155011	21.417	163411	24.39
	UPPER LIMIT	299886	17.686	310022	21.917	326822	24.89
	LOWER LIMIT	74971.5	16.686	77505.5	20.917	81705.5	23.89
	EPA SAMPLE NO.						
01	PB169973BL	145353	17.19	149348	21.41	157878	24.39
02	PB169973BS	136086	17.19	136322	21.41	146226	24.39
03	PB169973BSD	138632	17.19	141515	21.42	151583	24.39
04	MW4	127112	17.19	134148	21.41	147315	24.39

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	ANN	Date Received:	
Client Sample ID:	PB169973BL	SDG No.:	Q3274
Lab Sample ID:	PB169973BL	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
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
BG064488.D	1	10/03/25 08:35	10/03/25 15:35	PB169973

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	3.90	U	3.90	10.0	ug/L
111-44-4	bis(2-Chloroethyl)ether	0.81	U	0.81	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	1.30	U	1.30	5.00	ug/L
98-86-2	Acetophenone	0.74	U	0.74	5.00	ug/L
621-64-7	n-Nitroso-di-n-propylamine	1.40	U	1.40	2.50	ug/L
67-72-1	Hexachloroethane	0.65	U	0.65	5.00	ug/L
98-95-3	Nitrobenzene	0.76	U	0.76	5.00	ug/L
78-59-1	Isophorone	0.75	U	0.75	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	0.68	U	0.68	5.00	ug/L
91-20-3	Naphthalene	0.50	U	0.50	5.00	ug/L
106-47-8	4-Chloroaniline	0.84	U	0.84	5.00	ug/L
87-68-3	Hexachlorobutadiene	0.54	U	0.54	5.00	ug/L
105-60-2	Caprolactam	1.10	U	1.10	10.0	ug/L
91-57-6	2-Methylnaphthalene	0.56	U	0.56	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	3.60	U	3.60	10.0	ug/L
92-52-4	1,1-Biphenyl	0.53	U	0.53	5.00	ug/L
91-58-7	2-Chloronaphthalene	0.61	U	0.61	5.00	ug/L
88-74-4	2-Nitroaniline	1.30	U	1.30	5.00	ug/L
131-11-3	Dimethylphthalate	0.61	U	0.61	5.00	ug/L
208-96-8	Acenaphthylene	0.75	U	0.75	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	0.92	U	0.92	5.00	ug/L
99-09-2	3-Nitroaniline	1.10	U	1.10	5.00	ug/L
83-32-9	Acenaphthene	0.55	U	0.55	5.00	ug/L
132-64-9	Dibenzofuran	0.61	U	0.61	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	1.20	U	1.20	5.00	ug/L
84-66-2	Diethylphthalate	0.69	U	0.69	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	0.68	U	0.68	5.00	ug/L
86-73-7	Fluorene	0.63	U	0.63	5.00	ug/L
100-01-6	4-Nitroaniline	1.50	U	1.50	5.00	ug/L

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

Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	ANN			Date Received:	
Client Sample ID:	PB169973BL			SDG No.:	Q3274
Lab Sample ID:	PB169973BL			Matrix:	Water
Analytical Method:	8270E			% Solid:	0
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
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
BG064488.D	1	10/03/25 08:35	10/03/25 15:35	PB169973

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
86-30-6	n-Nitrosodiphenylamine	0.58	U	0.58	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	0.40	U	0.40	5.00	ug/L
118-74-1	Hexachlorobenzene	0.52	U	0.52	5.00	ug/L
1912-24-9	Atrazine	1.00	U	1.00	5.00	ug/L
85-01-8	Phenanthrene	0.50	U	0.50	5.00	ug/L
120-12-7	Anthracene	0.61	U	0.61	5.00	ug/L
86-74-8	Carbazole	0.72	U	0.72	5.00	ug/L
84-74-2	Di-n-butylphthalate	1.20	U	1.20	5.00	ug/L
206-44-0	Fluoranthene	0.82	U	0.82	5.00	ug/L
129-00-0	Pyrene	0.50	U	0.50	5.00	ug/L
85-68-7	Butylbenzylphthalate	1.90	U	1.90	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	0.93	U	0.93	10.0	ug/L
56-55-3	Benzo(a)anthracene	0.45	U	0.45	5.00	ug/L
218-01-9	Chrysene	0.44	U	0.44	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	1.60	U	1.60	5.00	ug/L
117-84-0	Di-n-octyl phthalate	2.30	U	2.30	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	0.49	U	0.49	5.00	ug/L
207-08-9	Benzo(k)fluoranthene	0.48	U	0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	0.55	U	0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.59	U	0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	0.67	U	0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	0.69	U	0.69	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	0.52	U	0.52	5.00	ug/L
123-91-1	1,4-Dioxane	1.00	U	1.00	5.00	ug/L
SURROGATES						
4165-60-0	Nitrobenzene-d5	94.0		30 (67) - 130 (132)	94%	SPK: 100
321-60-8	2-Fluorobiphenyl	90.7		30 (52) - 130 (132)	91%	SPK: 100
1718-51-0	Terphenyl-d14	98.8		30 (42) - 130 (152)	99%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	17000	7.824			

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

Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	ANN			Date Received:	
Client Sample ID:	PB169973BL			SDG No.:	Q3274
Lab Sample ID:	PB169973BL			Matrix:	Water
Analytical Method:	8270E			% Solid:	0
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
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
BG064488.D	1	10/03/25 08:35	10/03/25 15:35	PB169973

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1146-65-2	Naphthalene-d8	71500	10.609			
15067-26-2	Acenaphthene-d10	57100	14.446			
1517-22-2	Phenanthrene-d10	145000	17.189			
1719-03-5	Chrysene-d12	149000	21.408			
1520-96-3	Perylene-d12	158000	24.387			

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:	G Environmental	Date Collected:	
Project:	ANN	Date Received:	
Client Sample ID:	PB169973BS	SDG No.:	Q3274
Lab Sample ID:	PB169973BS	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
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
BG064489.D	1	10/03/25 08:35	10/03/25 16:16	PB169973

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	26.5		3.90	10.0	ug/L
111-44-4	bis(2-Chloroethyl)ether	49.4		0.81	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	49.5		1.30	5.00	ug/L
98-86-2	Acetophenone	57.0		0.74	5.00	ug/L
621-64-7	n-Nitroso-di-n-propylamine	51.0		1.40	2.50	ug/L
67-72-1	Hexachloroethane	49.2		0.65	5.00	ug/L
98-95-3	Nitrobenzene	50.7		0.76	5.00	ug/L
78-59-1	Isophorone	48.4		0.75	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	50.5		0.68	5.00	ug/L
91-20-3	Naphthalene	50.7		0.50	5.00	ug/L
106-47-8	4-Chloroaniline	18.8		0.84	5.00	ug/L
87-68-3	Hexachlorobutadiene	49.1		0.54	5.00	ug/L
105-60-2	Caprolactam	52.0		1.10	10.0	ug/L
91-57-6	2-Methylnaphthalene	46.2		0.56	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	150	E	3.60	10.0	ug/L
92-52-4	1,1-Biphenyl	56.4		0.53	5.00	ug/L
91-58-7	2-Chloronaphthalene	50.1		0.61	5.00	ug/L
88-74-4	2-Nitroaniline	53.0		1.30	5.00	ug/L
131-11-3	Dimethylphthalate	52.1		0.61	5.00	ug/L
208-96-8	Acenaphthylene	57.9		0.75	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	53.0		0.92	5.00	ug/L
99-09-2	3-Nitroaniline	30.0		1.10	5.00	ug/L
83-32-9	Acenaphthene	49.8		0.55	5.00	ug/L
132-64-9	Dibenzofuran	51.4		0.61	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	52.2		1.20	5.00	ug/L
84-66-2	Diethylphthalate	51.8		0.69	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	50.4		0.68	5.00	ug/L
86-73-7	Fluorene	52.1		0.63	5.00	ug/L
100-01-6	4-Nitroaniline	53.5		1.50	5.00	ug/L

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	ANN	Date Received:	
Client Sample ID:	PB169973BS	SDG No.:	Q3274
Lab Sample ID:	PB169973BS	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
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
BG064489.D	1	10/03/25 08:35	10/03/25 16:16	PB169973

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
86-30-6	n-Nitrosodiphenylamine	52.3		0.58	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	51.0		0.40	5.00	ug/L
118-74-1	Hexachlorobenzene	50.8		0.52	5.00	ug/L
1912-24-9	Atrazine	55.0		1.00	5.00	ug/L
85-01-8	Phenanthrene	51.6		0.50	5.00	ug/L
120-12-7	Anthracene	53.0		0.61	5.00	ug/L
86-74-8	Carbazole	53.2		0.72	5.00	ug/L
84-74-2	Di-n-butylphthalate	52.6		1.20	5.00	ug/L
206-44-0	Fluoranthene	52.1		0.82	5.00	ug/L
129-00-0	Pyrene	51.7		0.50	5.00	ug/L
85-68-7	Butylbenzylphthalate	52.8		1.90	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	30.6		0.93	10.0	ug/L
56-55-3	Benzo(a)anthracene	51.5		0.45	5.00	ug/L
218-01-9	Chrysene	51.3		0.44	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	52.7		1.60	5.00	ug/L
117-84-0	Di-n-octyl phthalate	52.0		2.30	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	54.2		0.49	5.00	ug/L
207-08-9	Benzo(k)fluoranthene	51.8		0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	54.9		0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	53.9		0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	55.2		0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	54.7		0.69	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	54.2		0.52	5.00	ug/L
123-91-1	1,4-Dioxane	37.9		1.00	5.00	ug/L
SURROGATES						
4165-60-0	Nitrobenzene-d5	94.3		30 (67) - 130 (132)	94%	SPK: 100
321-60-8	2-Fluorobiphenyl	91.8		30 (52) - 130 (132)	92%	SPK: 100
1718-51-0	Terphenyl-d14	97.3		30 (42) - 130 (152)	97%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	16300	7.823			

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

Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	ANN			Date Received:	
Client Sample ID:	PB169973BS			SDG No.:	Q3274
Lab Sample ID:	PB169973BS			Matrix:	Water
Analytical Method:	8270E			% Solid:	0
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
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
BG064489.D	1	10/03/25 08:35	10/03/25 16:16	PB169973

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1146-65-2	Naphthalene-d8	69200	10.608			
15067-26-2	Acenaphthene-d10	53800	14.45			
1517-22-2	Phenanthrene-d10	136000	17.188			
1719-03-5	Chrysene-d12	136000	21.413			
1520-96-3	Perylene-d12	146000	24.391			

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:	G Environmental	Date Collected:	
Project:	ANN	Date Received:	
Client Sample ID:	PB169973BSD	SDG No.:	Q3274
Lab Sample ID:	PB169973BSD	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
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
BG064490.D	1	10/03/25 08:35	10/03/25 16:57	PB169973

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
100-52-7	Benzaldehyde	26.1		3.90	10.0	ug/L
111-44-4	bis(2-Chloroethyl)ether	49.7		0.81	5.00	ug/L
108-60-1	2,2-oxybis(1-Chloropropane)	48.3		1.30	5.00	ug/L
98-86-2	Acetophenone	54.9		0.74	5.00	ug/L
621-64-7	n-Nitroso-di-n-propylamine	52.4		1.40	2.50	ug/L
67-72-1	Hexachloroethane	49.3		0.65	5.00	ug/L
98-95-3	Nitrobenzene	47.6		0.76	5.00	ug/L
78-59-1	Isophorone	47.7		0.75	5.00	ug/L
111-91-1	bis(2-Chloroethoxy)methane	49.3		0.68	5.00	ug/L
91-20-3	Naphthalene	48.5		0.50	5.00	ug/L
106-47-8	4-Chloroaniline	15.2		0.84	5.00	ug/L
87-68-3	Hexachlorobutadiene	47.0		0.54	5.00	ug/L
105-60-2	Caprolactam	50.1		1.10	10.0	ug/L
91-57-6	2-Methylnaphthalene	44.5		0.56	5.00	ug/L
77-47-4	Hexachlorocyclopentadiene	140	E	3.60	10.0	ug/L
92-52-4	1,1-Biphenyl	53.2		0.53	5.00	ug/L
91-58-7	2-Chloronaphthalene	47.4		0.61	5.00	ug/L
88-74-4	2-Nitroaniline	50.6		1.30	5.00	ug/L
131-11-3	Dimethylphthalate	48.6		0.61	5.00	ug/L
208-96-8	Acenaphthylene	55.5		0.75	5.00	ug/L
606-20-2	2,6-Dinitrotoluene	50.2		0.92	5.00	ug/L
99-09-2	3-Nitroaniline	26.1		1.10	5.00	ug/L
83-32-9	Acenaphthene	47.3		0.55	5.00	ug/L
132-64-9	Dibenzofuran	49.0		0.61	5.00	ug/L
121-14-2	2,4-Dinitrotoluene	53.2		1.20	5.00	ug/L
84-66-2	Diethylphthalate	49.5		0.69	5.00	ug/L
7005-72-3	4-Chlorophenyl-phenylether	48.0		0.68	5.00	ug/L
86-73-7	Fluorene	50.3		0.63	5.00	ug/L
100-01-6	4-Nitroaniline	52.3		1.50	5.00	ug/L

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	ANN	Date Received:	
Client Sample ID:	PB169973BSD	SDG No.:	Q3274
Lab Sample ID:	PB169973BSD	Matrix:	Water
Analytical Method:	8270E	% Solid:	0
Sample Wt/Vol:	1000 Units: mL	Final Vol:	1000 uL
Soil Aliquot Vol:	uL	Test:	SVOCMS Group1
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
BG064490.D	1	10/03/25 08:35	10/03/25 16:57	PB169973

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
86-30-6	n-Nitrosodiphenylamine	49.3		0.58	5.00	ug/L
101-55-3	4-Bromophenyl-phenylether	48.1		0.40	5.00	ug/L
118-74-1	Hexachlorobenzene	48.9		0.52	5.00	ug/L
1912-24-9	Atrazine	52.8		1.00	5.00	ug/L
85-01-8	Phenanthrene	48.6		0.50	5.00	ug/L
120-12-7	Anthracene	49.9		0.61	5.00	ug/L
86-74-8	Carbazole	52.1		0.72	5.00	ug/L
84-74-2	Di-n-butylphthalate	51.7		1.20	5.00	ug/L
206-44-0	Fluoranthene	51.0		0.82	5.00	ug/L
129-00-0	Pyrene	49.5		0.50	5.00	ug/L
85-68-7	Butylbenzylphthalate	50.7		1.90	5.00	ug/L
91-94-1	3,3-Dichlorobenzidine	27.3		0.93	10.0	ug/L
56-55-3	Benzo(a)anthracene	50.0		0.45	5.00	ug/L
218-01-9	Chrysene	49.6		0.44	5.00	ug/L
117-81-7	Bis(2-ethylhexyl)phthalate	51.0		1.60	5.00	ug/L
117-84-0	Di-n-octyl phthalate	50.3		2.30	10.0	ug/L
205-99-2	Benzo(b)fluoranthene	50.4		0.49	5.00	ug/L
207-08-9	Benzo(k)fluoranthene	51.7		0.48	5.00	ug/L
50-32-8	Benzo(a)pyrene	53.3		0.55	5.00	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	51.2		0.59	5.00	ug/L
53-70-3	Dibenzo(a,h)anthracene	52.4		0.67	5.00	ug/L
191-24-2	Benzo(g,h,i)perylene	52.7		0.69	5.00	ug/L
95-94-3	1,2,4,5-Tetrachlorobenzene	53.7		0.52	5.00	ug/L
123-91-1	1,4-Dioxane	40.6		1.00	5.00	ug/L
SURROGATES						
4165-60-0	Nitrobenzene-d5	91.5		30 (67) - 130 (132)	91%	SPK: 100
321-60-8	2-Fluorobiphenyl	90.3		30 (52) - 130 (132)	90%	SPK: 100
1718-51-0	Terphenyl-d14	96.5		30 (42) - 130 (152)	97%	SPK: 100
INTERNAL STANDARDS						
3855-82-1	1,4-Dichlorobenzene-d4	15300	7.825			

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

Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	ANN			Date Received:	
Client Sample ID:	PB169973BSD			SDG No.:	Q3274
Lab Sample ID:	PB169973BSD			Matrix:	Water
Analytical Method:	8270E			% Solid:	0
Sample Wt/Vol:	1000	Units:	mL	Final Vol:	1000 uL
Soil Aliquot Vol:			uL	Test:	SVOCMS Group1
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
BG064490.D	1	10/03/25 08:35	10/03/25 16:57	PB169973

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
1146-65-2	Naphthalene-d8	68900	10.61			
15067-26-2	Acenaphthene-d10	53600	14.453			
1517-22-2	Phenanthrene-d10	139000	17.191			
1719-03-5	Chrysene-d12	142000	21.415			
1520-96-3	Perylene-d12	152000	24.388			

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 GC/MS Ins

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG100225.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
Last Update : Thu Oct 02 16:40:42 2025
Response Via : Initial Calibration

Calibration Files
2.5 =BG064473.D 5 =BG064474.D 10 =BG064481.D 20 =BG064476.D 40 =BG064477.D 50 =BG064478.D 60 =BG064479.D 80 =BG0644
80.D

		Compound	2.5	5	10	20	40	50	60	80	Avg	%RSD
1)	I	1,4-Dichlorobenzen...	----------	ISTD	----------							
2)		1,4-Dioxane		0.530	0.412	0.447	0.438	0.398	0.386	0.381	0.427	12.10
3)		Pyridine		1.225	1.151	1.147	1.236	1.102	1.095	1.086	1.149	5.33
4)		n-Nitrosodimet...			0.854	0.790	0.863	0.833	0.843	0.814	0.833	3.24
5)	S	2-Fluorophenol		1.066	1.018	1.053	1.195	1.071	1.108	1.053	1.081	5.26
6)		Aniline		1.913	1.738	1.827	2.020	1.772	1.823	1.729	1.832	5.68
7)	S	Phenol-d6		1.395	1.373	1.446	1.631	1.434	1.496	1.391	1.452	6.12
8)		2-Chlorophenol		1.387	1.264	1.312	1.455	1.264	1.336	1.271	1.327	5.45
9)		Benzaldehyde			1.437	1.039	1.527	1.146	1.548	1.037	1.289	18.76
10)	C	Phenol		1.518	1.397	1.530	1.683	1.517	1.583	1.496	1.532	5.68
11)		bis(2-Chloroet...		1.117	0.953	1.002	1.134	1.000	1.064	0.992	1.038	6.61
12)		1,3-Dichlorobe...		1.558	1.459	1.396	1.582	1.385	1.418	1.363	1.452	5.97
13)	C	1,4-Dichlorobe...		1.506	1.435	1.452	1.581	1.421	1.421	1.383	1.457	4.57
14)		1,2-Dichlorobe...		1.583	1.389	1.434	1.533	1.377	1.399	1.335	1.436	6.24
15)		Benzyl Alcohol			1.224	1.300	1.447	1.342	1.399	1.312	1.337	5.87
16)		2,2'-oxybis(1-...		1.720	1.610	1.657	1.804	1.650	1.708	1.558	1.672	4.80
17)		2-Methylphenol		1.105	1.063	1.087	1.215	1.076	1.143	1.077	1.109	4.81
18)		Hexachloroethane		0.586	0.630	0.534	0.604	0.562	0.566	0.544	0.575	5.87
19)	P	n-Nitroso-di-n...	0.813	1.008	0.913	1.006	1.096	0.959	1.048	0.926	0.971	9.10
20)		3+4-Methylphenols			1.472	1.510	1.700	1.492	1.622	1.494	1.548	5.91
21)	I	Naphthalene-d8	----------	ISTD	----------							
22)		Acetophenone		0.476	0.450	0.477	0.516	0.491	0.495	0.486	0.484	4.21
23)	S	Nitrobenzene-d5		0.360	0.352	0.378	0.396	0.369	0.381	0.369	0.372	3.84
24)		Nitrobenzene		0.403	0.348	0.352	0.395	0.364	0.377	0.358	0.371	5.73
25)		Isophorone		0.672	0.654	0.674	0.721	0.660	0.686	0.650	0.674	3.59
26)	C	2-Nitrophenol		0.197	0.169	0.181	0.192	0.185	0.188	0.181	0.185	4.93
27)		2,4-Dimethylph...		0.277	0.257	0.279	0.299	0.285	0.298	0.281	0.282	4.97
28)		bis(2-Chloroet...		0.320	0.320	0.361	0.375	0.336	0.352	0.341	0.343	5.92
29)	C	2,4-Dichloroph...		0.323	0.305	0.321	0.343	0.322	0.336	0.332	0.326	3.78
30)		1,2,4-Trichlor...		0.383	0.333	0.360	0.377	0.339	0.349	0.347	0.356	5.27
31)		Naphthalene		1.062	0.980	1.013	1.107	0.995	1.041	1.011	1.030	4.26
32)		Benzoic acid			0.149	0.198	0.230	0.240	0.239	0.243	0.216	17.02
33)		4-Chloroaniline		0.392	0.398	0.373	0.417	0.388	0.406	0.392	0.395	3.53
34)	C	Hexachlorobuta...		0.331	0.289	0.308	0.316	0.296	0.300	0.291	0.304	4.94
35)		Caprolactam			0.108	0.120	0.115	0.111	0.110	0.107	0.112	4.36
36)	C	4-Chloro-3-met...		0.395	0.381	0.392	0.418	0.390	0.405	0.395	0.397	3.01
37)		2-Methylnaphth...		0.783	0.771	0.790	0.843	0.778	0.799	0.770	0.791	3.18
38)		1-Methylnaphth...		0.837	0.782	0.782	0.825	0.750	0.784	0.758	0.788	4.08

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG100225.M

39)	I	Acenaphthene-d10	----------ISTD----------								
40)		1,2,4,5-Tetrac...	0.622	0.604	0.622	0.708	0.640	0.678	0.646	0.646	5.60
41)	P	Hexachlorocycl...		0.279	0.296	0.363	0.356	0.378	0.356	0.338	11.95
42)	S	2,4,6-Tribromo...	0.364	0.352	0.367	0.381	0.364	0.361	0.349	0.363	2.89
43)	C	2,4,6-Trichlor...	0.391	0.390	0.396	0.445	0.416	0.436	0.414	0.413	5.30
44)		2,4,5-Trichlor...	0.451	0.452	0.430	0.486	0.465	0.473	0.470	0.461	3.93
45)	S	2-Fluorobiphenyl	1.355	1.338	1.346	1.434	1.325	1.389	1.310	1.357	3.11
46)		1,1'-Biphenyl	1.439	1.388	1.417	1.521	1.434	1.484	1.387	1.438	3.42
47)		2-Chloronaphth...	1.006	1.104	1.046	1.153	1.056	1.106	1.046	1.074	4.61
48)		2-Nitroaniline	0.301	0.362	0.371	0.397	0.386	0.385	0.365	0.367	8.60
49)		Acenaphthylene	1.591	1.534	1.573	1.704	1.574	1.638	1.546	1.594	3.68
50)		Dimethylphthalate	1.564	1.584	1.582	1.624	1.531	1.586	1.493	1.566	2.72
51)		2,6-Dinitrotol...	0.292	0.326	0.335	0.337	0.333	0.345	0.316	0.326	5.43
52)	C	Acenaphthene	1.108	1.099	1.086	1.159	1.106	1.138	1.058	1.108	2.98
53)		3-Nitroaniline	0.279	0.294	0.300	0.319	0.315	0.303	0.296	0.301	4.50
54)	P	2,4-Dinitrophenol		0.265	0.270	0.207	0.228	0.229	0.220	0.237	10.76
55)		Dibenzofuran	1.837	1.810	1.800	1.909	1.821	1.872	1.753	1.829	2.77
56)	P	4-Nitrophenol		0.192	0.227	0.260	0.256	0.253	0.232	0.237	10.85
57)		2,4-Dinitrotol...	0.481	0.499	0.488	0.527	0.513	0.506	0.477	0.499	3.60
58)		Fluorene	1.518	1.511	1.535	1.601	1.488	1.532	1.458	1.520	2.91
59)		2,3,4,6-Tetrac...	0.438	0.447	0.475	0.505	0.475	0.494	0.457	0.470	5.16
60)		Diethylphthalate	1.747	1.692	1.679	1.730	1.675	1.663	1.578	1.680	3.25
61)		4-Chlorophenyl...	0.866	0.809	0.839	0.868	0.817	0.819	0.794	0.830	3.42
62)		4-Nitroaniline	0.229	0.296	0.331	0.334	0.345	0.340	0.320	0.314	12.96
63)		Azobenzene	1.339	1.299	1.325	1.346	1.295	1.289	1.216	1.301	3.37
64)	I	Phenanthrene-d10	----------ISTD----------								
65)		4,6-Dinitro-2-...		0.125	0.139	0.145	0.138	0.145	0.144	0.139	5.58
66)	c	n-Nitrosodiphe...	0.540	0.519	0.534	0.569	0.508	0.541	0.529	0.534	3.62
67)		4-Bromophenyl-...	0.235	0.229	0.227	0.253	0.224	0.237	0.241	0.235	4.21
68)		Hexachlorobenzene	0.256	0.261	0.272	0.288	0.260	0.280	0.270	0.269	4.36
69)		Atrazine	0.237	0.240	0.247	0.250	0.232	0.239	0.219	0.238	4.26
70)	C	Pentachlorophenol		0.118	0.146	0.169	0.166	0.170	0.175	0.157	13.66
71)		Phenanthrene	1.072	1.022	1.055	1.111	1.002	1.050	1.010	1.046	3.65
72)		Anthracene	1.045	1.028	1.044	1.130	1.001	1.068	1.029	1.049	3.93
73)		Carbazole	0.883	0.895	0.904	0.987	0.877	0.921	0.880	0.907	4.24
74)		Di-n-butylphth...	1.096	1.079	1.105	1.189	1.076	1.131	1.076	1.107	3.71
75)	C	Fluoranthene	1.269	1.226	1.272	1.330	1.192	1.253	1.204	1.250	3.77
76)	I	Chrysene-d12	----------ISTD----------								
77)		Benzidine		0.393	0.424	0.649	0.540	0.621	0.359	0.498	24.67
78)		Pyrene	1.295	1.329	1.316	1.392	1.242	1.281	1.230	1.298	4.24
79)	S	Terphenyl-d14	1.067	1.061	1.069	1.123	1.030	1.044	1.003	1.057	3.55
80)		Butylbenzylpht...	0.437	0.438	0.464	0.497	0.447	0.479	0.458	0.460	4.78
81)		Benzo(a)anthra...	1.280	1.239	1.285	1.353	1.238	1.291	1.253	1.277	3.15
82)		3,3'-Dichlorob...		0.418	0.431	0.458	0.423	0.443	0.420	0.432	3.58
83)		Chrysene	1.226	1.200	1.195	1.297	1.173	1.210	1.178	1.211	3.48
84)		Bis(2-ethylhex...	0.605	0.637	0.640	0.692	0.641	0.670	0.658	0.649	4.26
85)	c	Di-n-octyl pht...		1.055	1.050	1.153	1.073	1.125	1.089	1.091	3.74

Method Path : Z:\svoasrv\HPCHEM1\BNA_G\Methods\
Method File : 8270-BG100225.M

86)	I	Perylene-d12	----------ISTD----------							
87)		Indeno(1,2,3-c...	1.368	1.320	1.378	1.493	1.387	1.431	1.368	1.392	3.98
88)		Benzo(b)fluora...	1.077	1.084	1.171	1.212	1.142	1.169	1.109	1.138	4.40
89)		Benzo(k)fluora...	1.139	1.082	1.145	1.233	1.123	1.156	1.142	1.146	3.97
90)	C	Benzo(a)pyrene	1.017	0.999	1.059	1.122	1.031	1.075	1.037	1.049	3.91
91)		Dibenzo(a,h)an...	1.047	1.053	1.121	1.190	1.115	1.151	1.116	1.113	4.55
92)		Benzo(g,h,i)pe...	1.059	1.053	1.088	1.153	1.069	1.104	1.048	1.082	3.41

(#) = Out of Range

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG No.: Q3274

Instrument ID: BNA_G Calibration Date/Time: 10/03/2025 13:33

Lab File ID: BG064485.D Init. Calib. Date(s): 10/02/2025 10/02/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:01 15:49

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
2-Fluorophenol	1.081	1.209		11.8	
Benzaldehyde	1.290	1.512		17.2	
Phenol-d6	1.452	1.602		10.3	
bis(2-Chloroethyl)ether	1.038	1.112		7.1	
2,2-oxybis(1-Chloropropane)	1.672	1.832		9.6	
Acetophenone	0.484	0.523		8.1	
n-Nitroso-di-n-propylamine	0.971	1.074	0.050	10.6	
Nitrobenzene-d5	0.372	0.400		7.5	
Hexachloroethane	0.575	0.621		8.0	
Nitrobenzene	0.371	0.391		5.4	
Isophorone	0.674	0.706		4.7	
bis(2-Chloroethoxy)methane	0.343	0.360		5.0	
Naphthalene	1.030	1.093		6.1	
4-Chloroaniline	0.395	0.420		6.3	
Hexachlorobutadiene	0.304	0.315		3.6	20.0
Caprolactam	0.112	0.122		8.9	
2-Methylnaphthalene	0.791	0.823		4.0	
Hexachlorocyclopentadiene	0.338	0.368	0.050	8.9	
2-Fluorobiphenyl	1.357	1.436		5.8	
1,1-Biphenyl	1.438	1.499		4.2	
2-Chloronaphthalene	1.074	1.152		7.3	
2-Nitroaniline	0.367	0.393		7.1	
Dimethylphthalate	1.566	1.632		4.2	
Acenaphthylene	1.594	1.697		6.5	
2,6-Dinitrotoluene	0.326	0.352		8.0	
3-Nitroaniline	0.301	0.332		10.3	
Acenaphthene	1.108	1.174		6.0	20.0
Dibenzofuran	1.829	1.939		6.0	
2,4-Dinitrotoluene	0.499	0.537		7.6	
Diethylphthalate	1.680	1.758		4.6	
4-Chlorophenyl-phenylether	0.830	0.863		4.0	
Fluorene	1.520	1.622		6.7	
4-Nitroaniline	0.314	0.357		13.7	
n-Nitrosodiphenylamine	0.534	0.559		4.7	20.0
2,4,6-Tribromophenol	0.363	0.380		4.7	
4-Bromophenyl-phenylether	0.235	0.250		6.4	
Hexachlorobenzene	0.269	0.281		4.5	
Atrazine	0.238	0.251		5.5	
Phenanthrene	1.046	1.113		6.4	

Form VII SV-1

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

7C

SEMIVOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG No.: Q3274

Instrument ID: BNA_G Calibration Date/Time: 10/03/2025 13:33

Lab File ID: BG064485.D Init. Calib. Date(s): 10/02/2025 10/02/2025

EPA Sample No.: SSTDCCC040 Init. Calib. Time(s): 09:01 15:49

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

COMPOUND	RRF	RRF040	MIN RRF	%D	MAX%D
Anthracene	1.049	1.103		5.1	
Carbazole	0.907	0.978		7.8	
Di-n-butylphthalate	1.107	1.201		8.5	
Fluoranthene	1.250	1.372		9.8	20.0
Pyrene	1.298	1.371		5.6	
Terphenyl-d14	1.057	1.121		6.1	
Butylbenzylphthalate	0.460	0.487		5.9	
3,3-Dichlorobenzidine	0.432	0.460		6.5	
Benzo(a)anthracene	1.277	1.353		6.0	
Chrysene	1.211	1.274		5.2	
Bis(2-ethylhexyl)phthalate	0.649	0.681		4.9	
Di-n-octyl phthalate	1.091	1.132		3.8	20.0
Benzo(b)fluoranthene	1.138	1.230		8.1	
Benzo(k)fluoranthene	1.146	1.207		5.3	
Benzo(a)pyrene	1.049	1.132		7.9	20.0
Indeno(1,2,3-cd)pyrene	1.392	1.487		6.8	
Dibenzo(a,h)anthracene	1.113	1.209		8.6	
Benzo(g,h,i)perylene	1.082	1.155		6.7	
1,2,4,5-Tetrachlorobenzene	0.646	0.677		4.8	
1,4-Dioxane	0.427	0.434		1.6	20.0

All other compounds must meet a minimum RRF of 0.010.

SAMPLE RAW DATA

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100325\
Data File : BG064494.D
Acq On : 3 Oct 2025 19:40
Operator : RC/JU
Sample : Q3274-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW4

Quant Time: Oct 04 00:00:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration

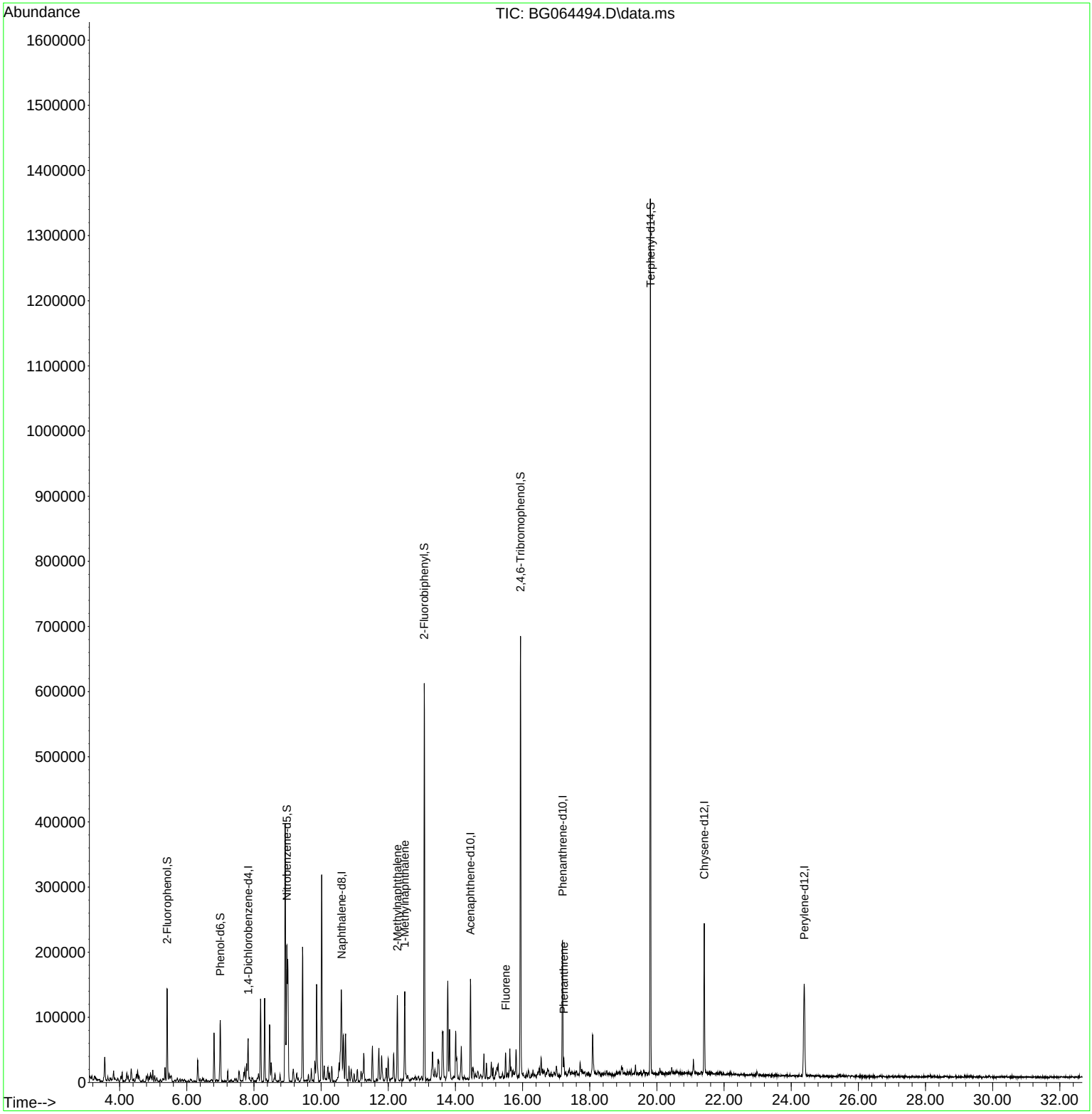
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.824	152	15257	20.000	ng	0.00
21) Naphthalene-d8	10.609	136	63069	20.000	ng	# 0.00
39) Acenaphthene-d10	14.446	164	49495	20.000	ng	0.00
64) Phenanthrene-d10	17.190	188	127112	20.000	ng	0.00
76) Chrysene-d12	21.408	240	134148	20.000	ng	0.00
86) Perylene-d12	24.387	264	147315	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.410	112	51725	62.743	ng	0.00
7) Phenol-d6	6.996	99	41514	37.472	ng	0.00
23) Nitrobenzene-d5	8.982	82	106151	90.500	ng	0.02
42) 2,4,6-Tribromophenol	15.938	330	134254	149.642	ng	0.00
45) 2-Fluorobiphenyl	13.071	172	300588	89.518	ng	0.00
79) Terphenyl-d14	19.810	244	631565	89.098	ng	0.00
Target Compounds						Qvalue
37) 2-Methylnaphthalene	12.272	142	61166	24.535	ng	91
38) 1-Methylnaphthalene	12.489	142	55919	22.495	ng	91
58) Fluorene	15.498	166	13066	3.473	ng	90
71) Phenanthrene	17.231	178	16026	2.411	ng	95

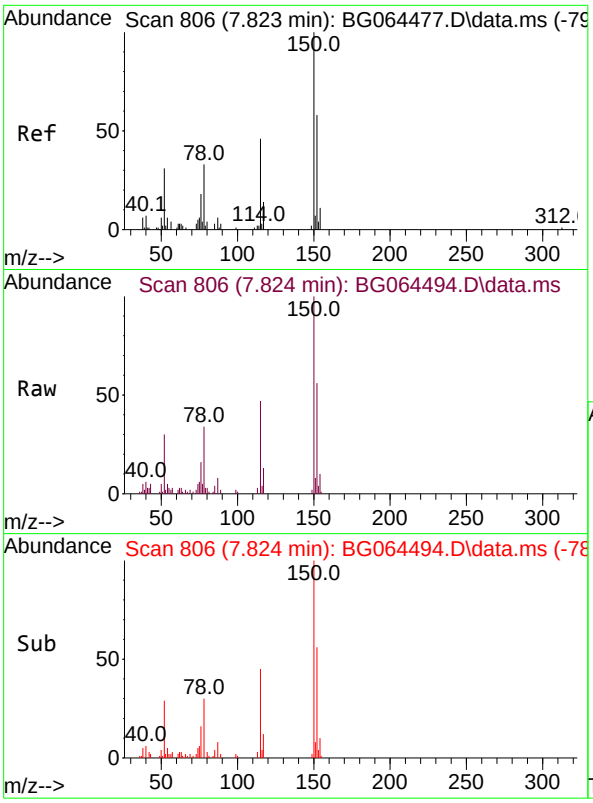
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100325\
Data File : BG064494.D
Acq On : 3 Oct 2025 19:40
Operator : RC/JU
Sample : Q3274-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW4

Quant Time: Oct 04 00:00:42 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration



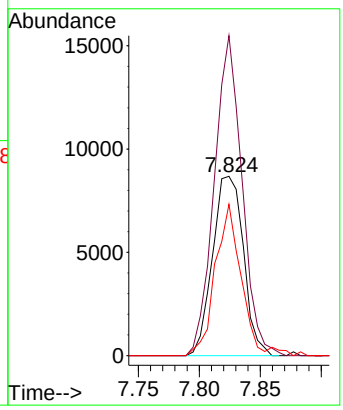


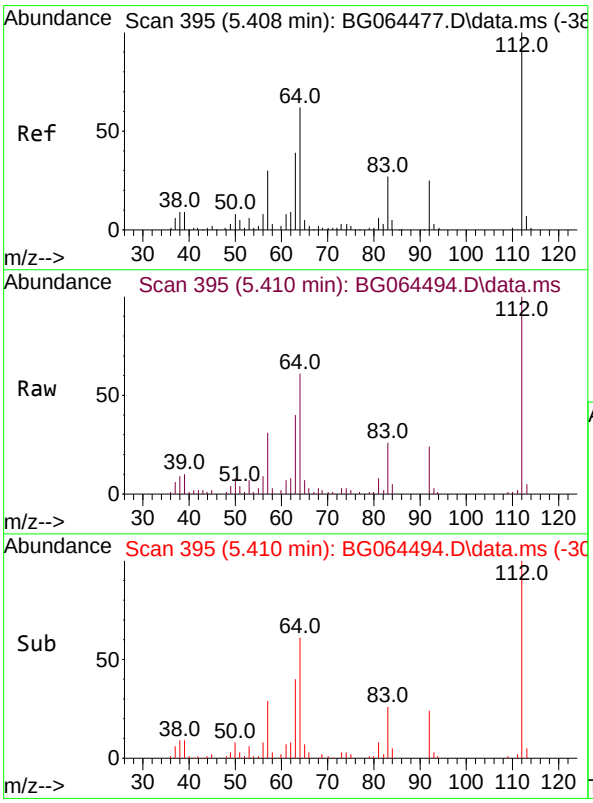
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.824 min Scan# 80
Delta R.T. 0.004 min
Lab File: BG064494.D
Acq: 3 Oct 2025 19:40

Instrument :
BNA_G
ClientSampleId :
MW4

Tgt Ion:152 Resp: 15257

Ion	Ratio	Lower	Upper
152	100		
150	178.5	138.6	207.8
115	84.4	63.4	95.2

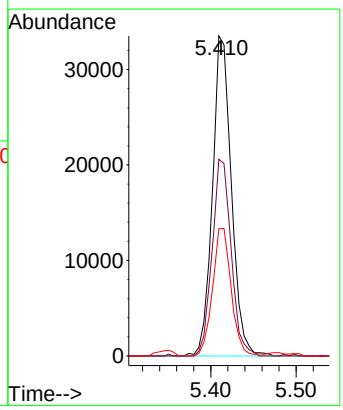


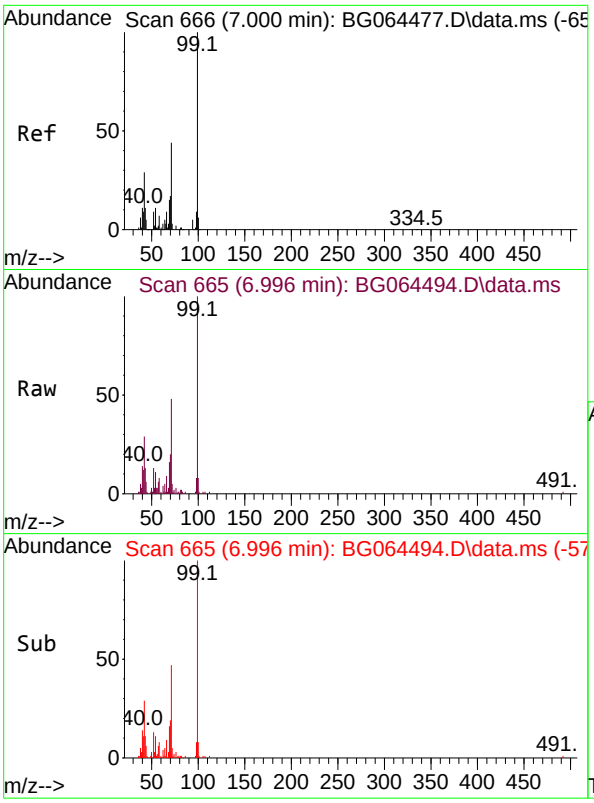


#5
2-Fluorophenol
Concen: 62.743 ng
RT: 5.410 min Scan# 395
Delta R.T. 0.004 min
Lab File: BG064494.D
Acq: 3 Oct 2025 19:40

Tgt Ion:112 Resp: 51725

Ion	Ratio	Lower	Upper
112	100		
64	61.4	49.8	74.8
63	39.7	31.3	46.9



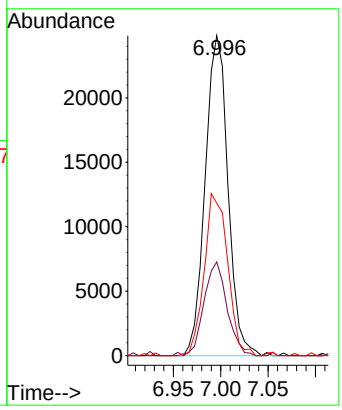


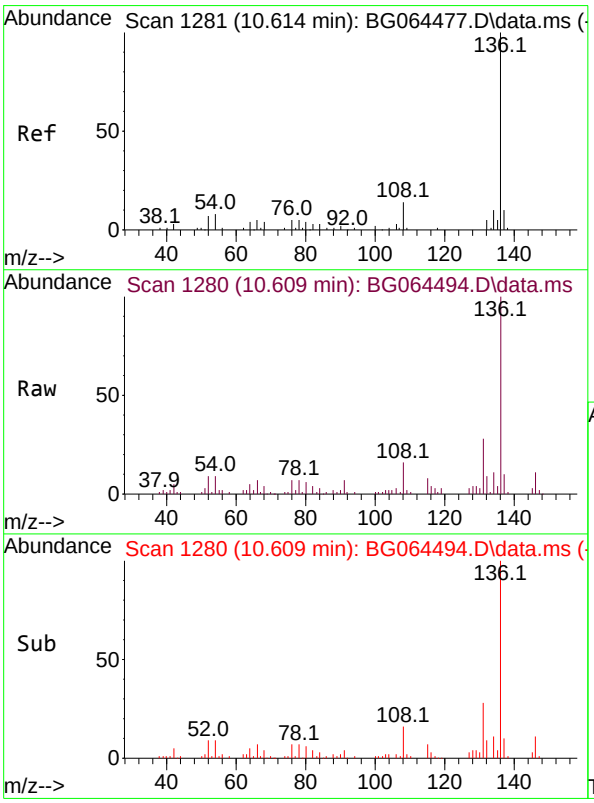
#7
Phenol-d6
Concen: 37.472 ng
RT: 6.996 min Scan# 6
Delta R.T. 0.010 min
Lab File: BG064494.D
Acq: 3 Oct 2025 19:40

Instrument :
BNA_G
ClientSampleId :
MW4

Tgt Ion: 99 Resp: 41514

Ion	Ratio	Lower	Upper
99	100		
42	29.3	22.9	34.3
71	47.6	35.4	53.2

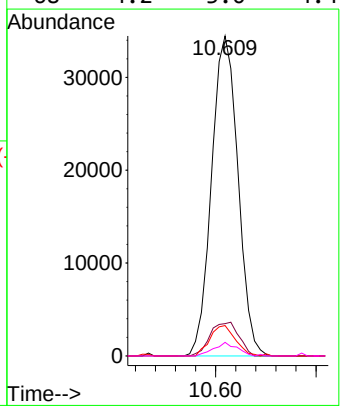


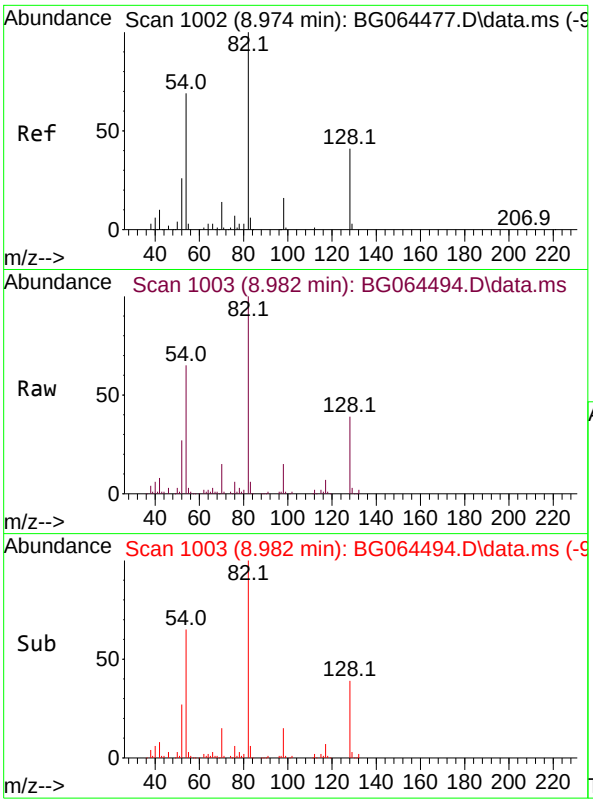


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.609 min Scan# 1280
Delta R.T. 0.004 min
Lab File: BG064494.D
Acq: 3 Oct 2025 19:40

Tgt Ion:136 Resp: 63069

Ion	Ratio	Lower	Upper
136	100		
137	10.1	8.3	12.5
54	9.5	6.2	9.4#
68	4.2	3.0	4.4



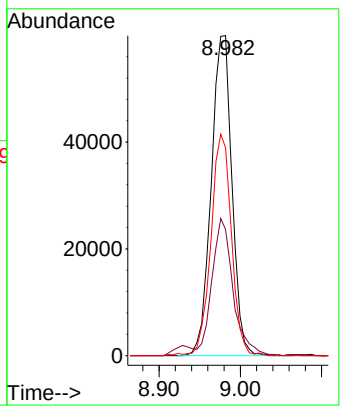


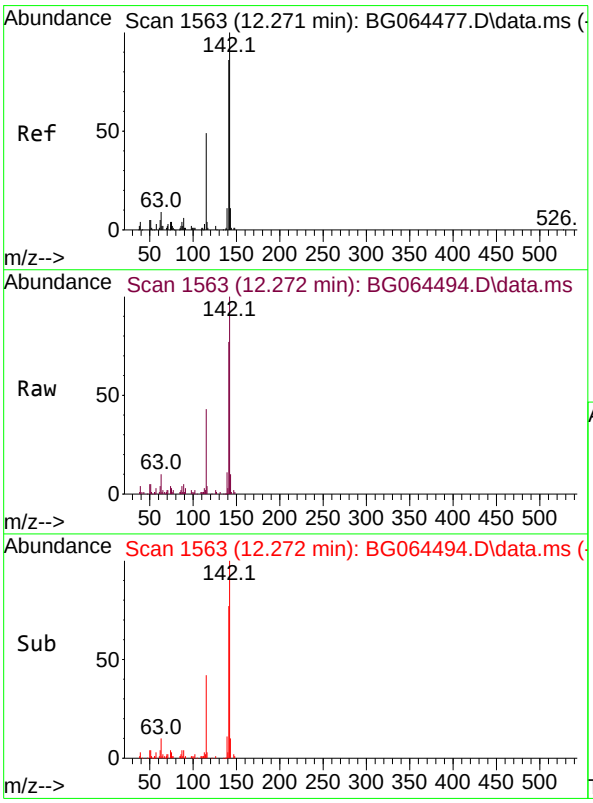
#23
Nitrobenzene-d5
Concen: 90.500 ng
RT: 8.982 min Scan# 1
Delta R.T. 0.016 min
Lab File: BG064494.D
Acq: 3 Oct 2025 19:40

Instrument :
BNA_G
ClientSampleId :
MW4

Tgt Ion: 82 Resp: 106151

Ion	Ratio	Lower	Upper
82	100		
128	39.4	33.1	49.7
54	65.0	55.4	83.2

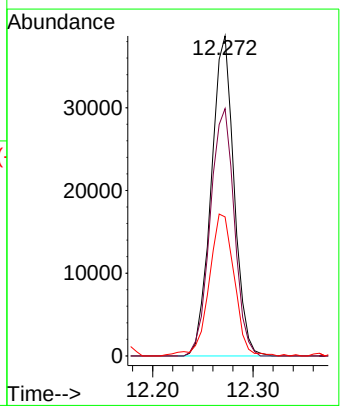


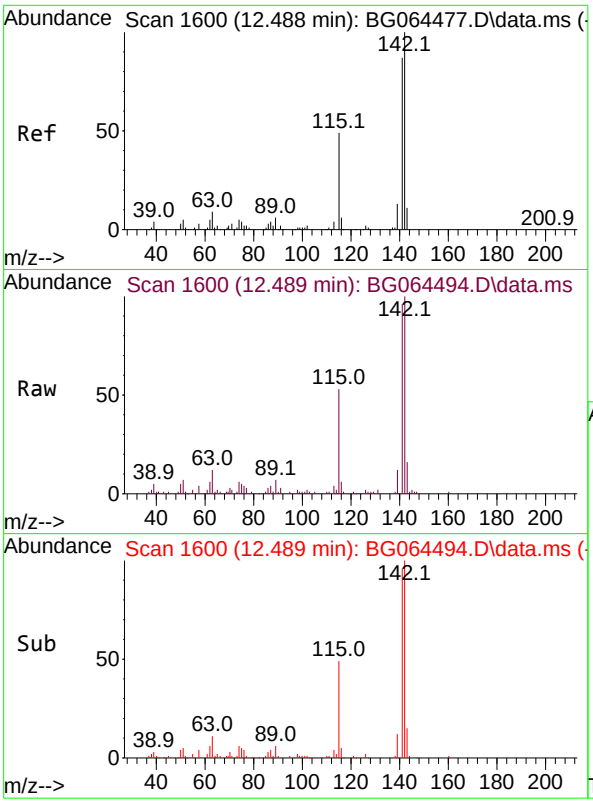


#37
2-Methylnaphthalene
Concen: 24.535 ng
RT: 12.272 min Scan# 1563
Delta R.T. 0.004 min
Lab File: BG064494.D
Acq: 3 Oct 2025 19:40

Tgt Ion:142 Resp: 61166

Ion	Ratio	Lower	Upper
142	100		
141	77.3	68.7	103.1
115	43.4	39.3	58.9



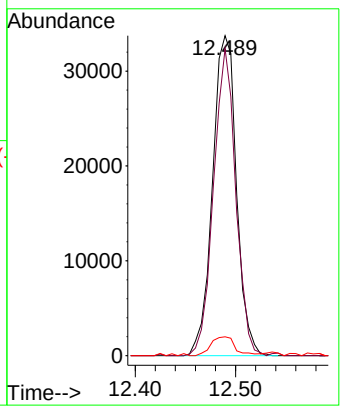


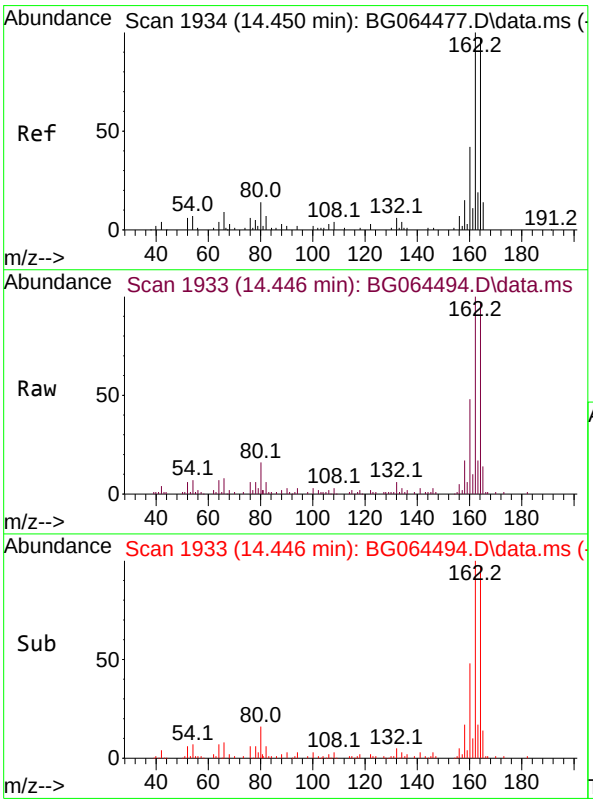
#38
1-Methylnaphthalene
Concen: 22.495 ng
RT: 12.489 min Scan# 1
Delta R.T. 0.004 min
Lab File: BG064494.D
Acq: 3 Oct 2025 19:40

Instrument :
BNA_G
ClientSampleId :
MW4

Tgt Ion:142 Resp: 55919

Ion	Ratio	Lower	Upper
142	100		
141	95.9	69.8	104.8
116	5.9	4.6	6.8

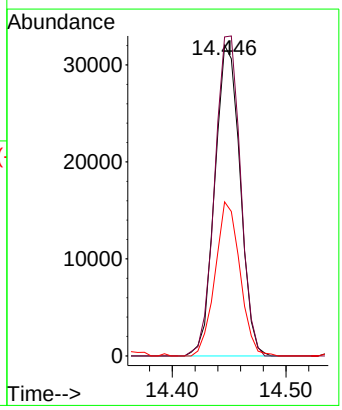


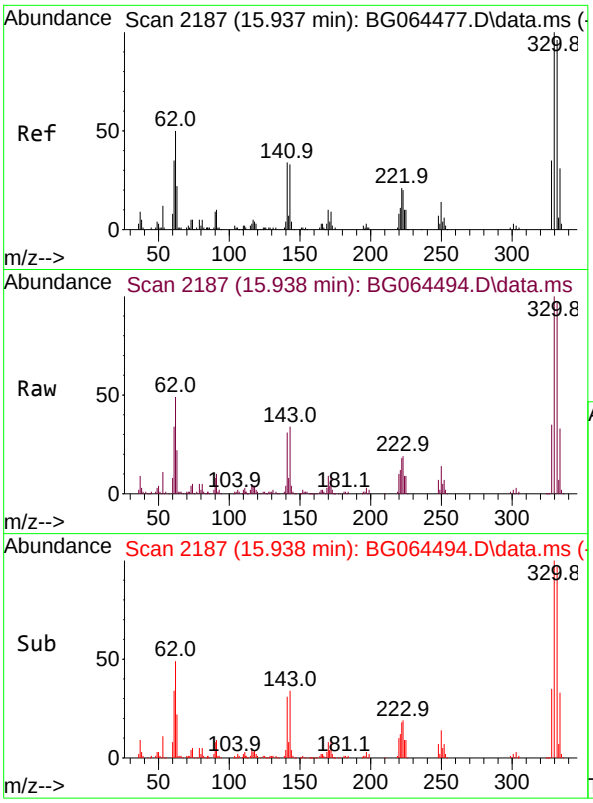


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.446 min Scan# 1933
Delta R.T. -0.002 min
Lab File: BG064494.D
Acq: 3 Oct 2025 19:40

Tgt Ion:164 Resp: 49495

Ion	Ratio	Lower	Upper
164	100		
162	102.7	82.2	123.2
160	49.6	34.3	51.5



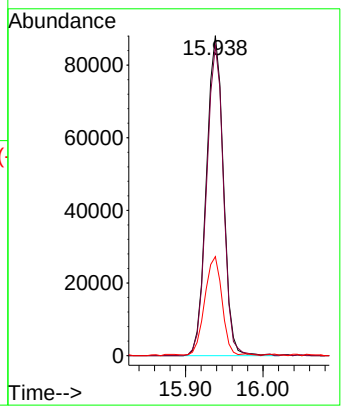


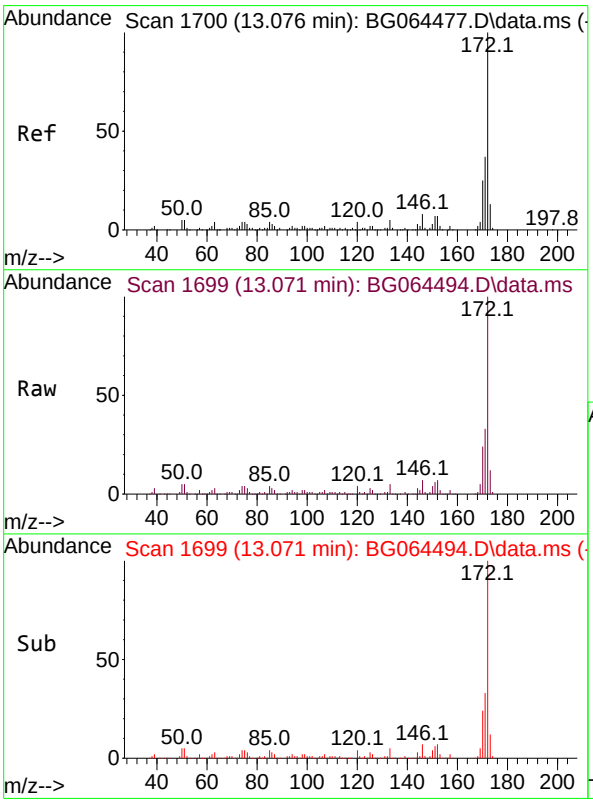
#42
2,4,6-Tribromophenol
Concen: 149.642 ng
RT: 15.938 min Scan# 21
Delta R.T. 0.004 min
Lab File: BG064494.D
Acq: 3 Oct 2025 19:40

Instrument :
BNA_G
ClientSampleId :
MW4

Tgt Ion:330 Resp: 134254

Ion	Ratio	Lower	Upper
330	100		
332	96.0	77.4	116.0
141	31.2	25.8	38.6

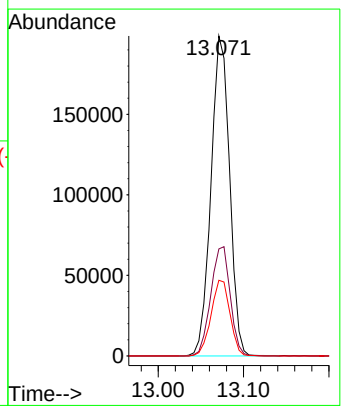


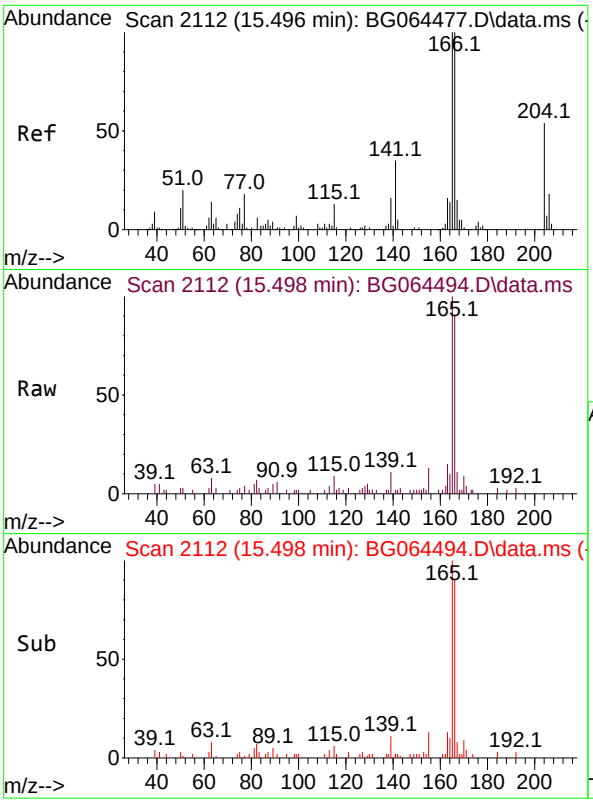


#45
2-Fluorobiphenyl
Concen: 89.518 ng
RT: 13.071 min Scan# 1699
Delta R.T. 0.004 min
Lab File: BG064494.D
Acq: 3 Oct 2025 19:40

Tgt Ion:172 Resp: 300588

Ion	Ratio	Lower	Upper
172	100		
171	33.5	29.6	44.4
170	23.6	20.2	30.2



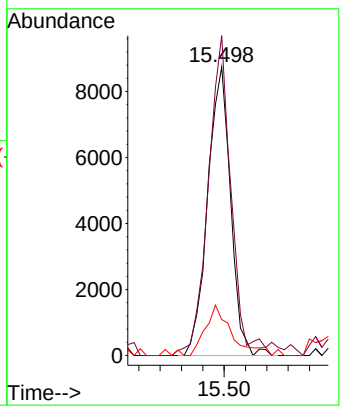


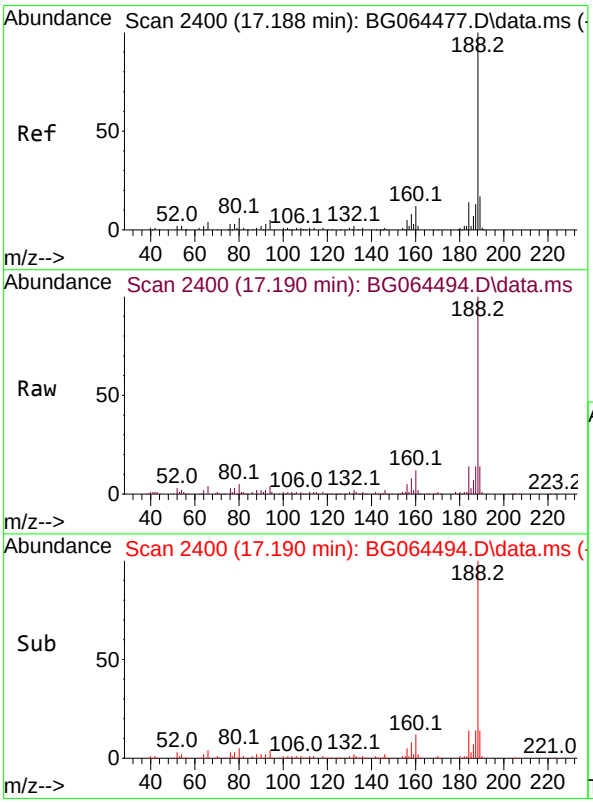
#58
Fluorene
Concen: 3.473 ng
RT: 15.498 min Scan# 21
Delta R.T. 0.004 min
Lab File: BG064494.D
Acq: 3 Oct 2025 19:40

Instrument :
BNA_G
ClientSampleId :
MW4

Tgt Ion:166 Resp: 13066

Ion	Ratio	Lower	Upper
166	100		
165	110.8	79.8	119.6
167	12.5	11.7	17.5

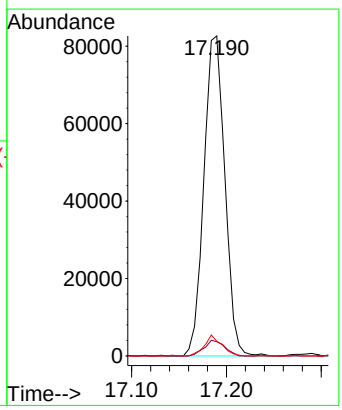


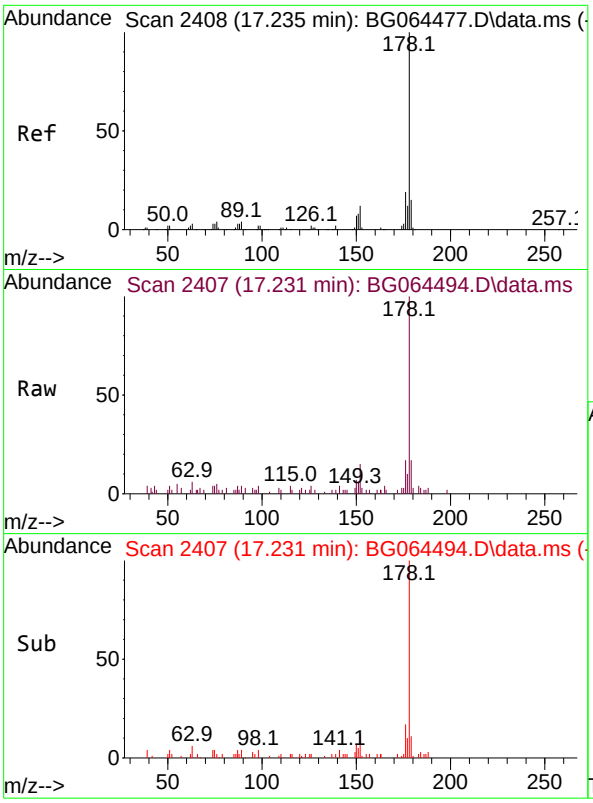


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.190 min Scan# 2400
Delta R.T. 0.004 min
Lab File: BG064494.D
Acq: 3 Oct 2025 19:40

Tgt Ion:188 Resp: 127112

Ion	Ratio	Lower	Upper
188	100		
94	4.4	3.7	5.5
80	4.6	4.5	6.7



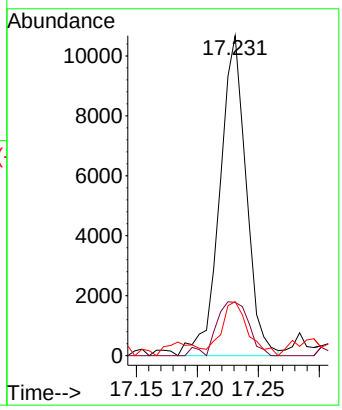


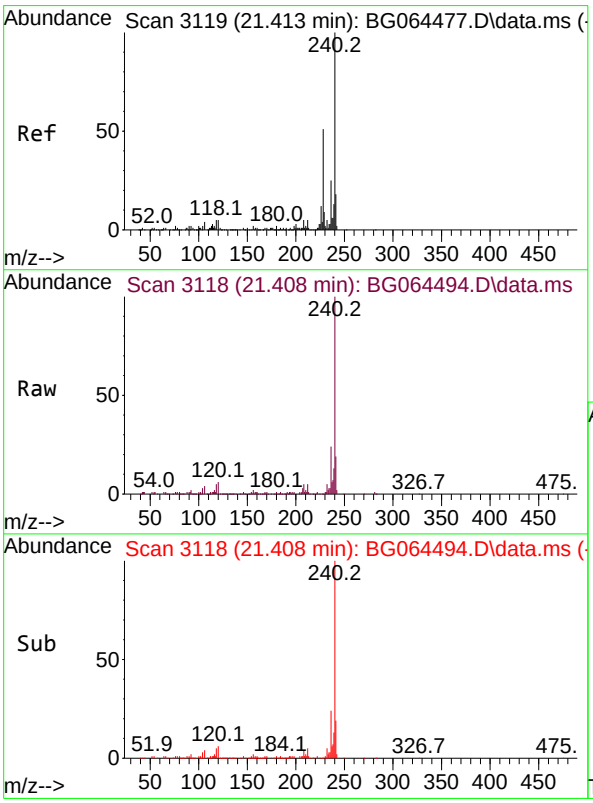
#71
Phenanthrene
Concen: 2.411 ng
RT: 17.231 min Scan# 24
Delta R.T. 0.004 min
Lab File: BG064494.D
Acq: 3 Oct 2025 19:40

Instrument :
BNA_G
ClientSampleId :
MW4

Tgt Ion:178 Resp: 16026

Ion	Ratio	Lower	Upper
178	100		
176	16.7	15.2	22.8
179	16.9	11.8	17.6

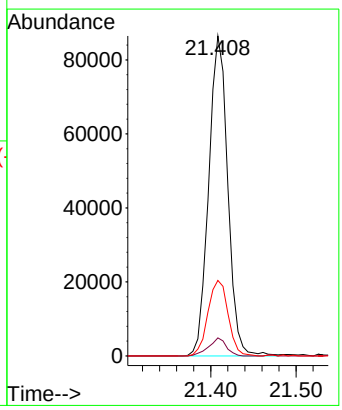


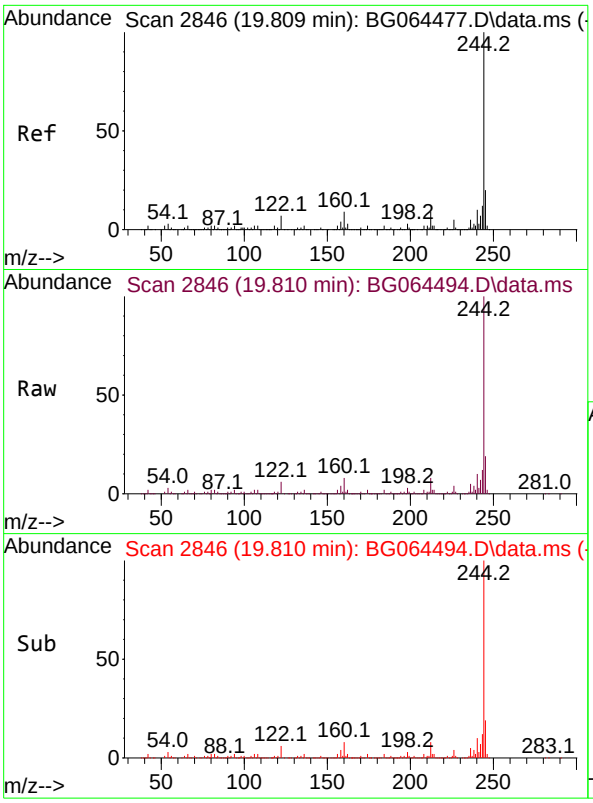


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.408 min Scan# 3118
Delta R.T. -0.002 min
Lab File: BG064494.D
Acq: 3 Oct 2025 19:40

Tgt Ion:240 Resp: 134148

Ion	Ratio	Lower	Upper
240	100		
120	5.6	4.3	6.5
236	23.6	20.4	30.6



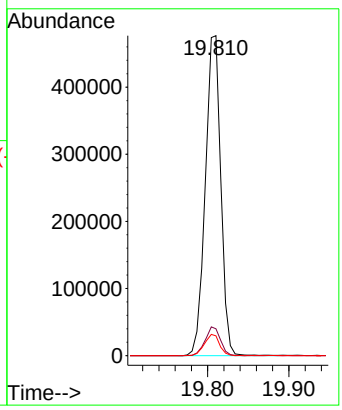


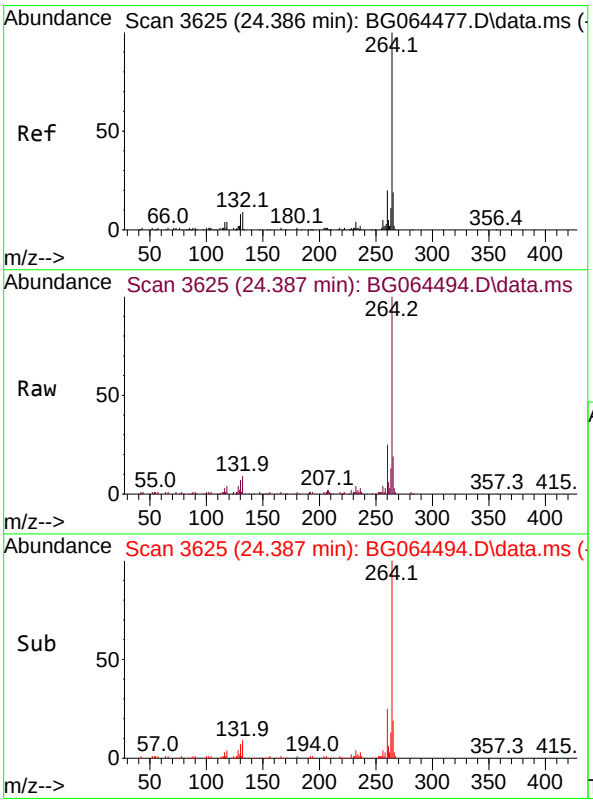
#79
Terphenyl-d14
Concen: 89.098 ng
RT: 19.810 min Scan# 2
Delta R.T. 0.004 min
Lab File: BG064494.D
Acq: 3 Oct 2025 19:40

Instrument :
BNA_G
ClientSampleId :
MW4

Tgt Ion:244 Resp: 631565

Ion	Ratio	Lower	Upper
244	100		
212	8.4	7.0	10.6
122	6.2	5.6	8.4

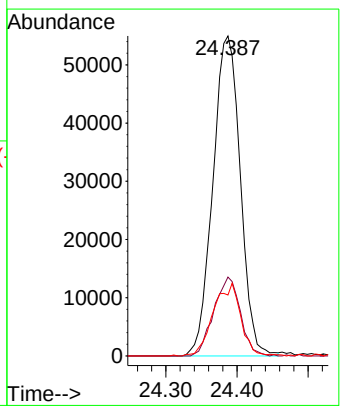




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.387 min Scan# 3625
Delta R.T. -0.002 min
Lab File: BG064494.D
Acq: 3 Oct 2025 19:40

Tgt Ion:264 Resp: 147315

Ion	Ratio	Lower	Upper
264	100		
260	24.6	16.2	24.4#
265	19.0	15.0	22.4



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100325\
Data File : BG064494.D
Acq On : 3 Oct 2025 19:40
Operator : RC/JU
Sample : Q3274-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW4

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG064494.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.553	74	79	90	rVB2	36512	67623	3.78%	0.516%
2	3.817	118	124	129	rBV2	13978	20850	1.17%	0.159%
3	4.076	164	168	172	rVB	14589	20500	1.15%	0.156%
4	4.211	182	191	195	rBV4	13529	26335	1.47%	0.201%
5	4.340	209	213	220	rVB4	17437	31470	1.76%	0.240%
6	4.499	231	240	242	rBV5	11498	21308	1.19%	0.163%
7	4.534	242	246	250	rVV5	17175	28488	1.59%	0.217%
8	4.986	319	323	328	rVB2	17936	25072	1.40%	0.191%
9	5.351	381	385	389	rVB2	19372	26748	1.50%	0.204%
10	5.410	389	395	401	rBV	140792	217111	12.14%	1.656%
11	6.320	542	550	560	rBV3	34304	67909	3.80%	0.518%
12	6.808	627	633	641	rVB	75212	117362	6.56%	0.895%
13	6.996	657	665	673	rVB2	94393	168852	9.44%	1.288%
14	7.219	698	703	709	rVB3	17007	25494	1.43%	0.194%
15	7.548	752	759	766	rBV5	15342	36055	2.02%	0.275%
16	7.701	779	785	786	rBV3	13623	19061	1.07%	0.145%
17	7.730	786	790	794	rVV2	19114	30474	1.70%	0.232%
18	7.783	794	799	801	rVV	25155	35131	1.96%	0.268%
19	7.824	801	806	811	rVB	61901	99946	5.59%	0.762%
20	8.194	863	869	876	rVB	128104	215058	12.03%	1.640%
21	8.318	882	890	895	rBV	128513	194121	10.86%	1.481%
22	8.465	909	915	920	rBV2	87321	147098	8.23%	1.122%
23	8.512	920	923	930	rVB2	29935	45635	2.55%	0.348%
24	8.623	939	942	954	rVB	12708	22658	1.27%	0.173%
25	8.929	987	994	998	rBV	394778	636165	35.58%	4.853%
26	8.982	998	1003	1005	rVV	209509	383441	21.45%	2.925%
27	9.005	1005	1007	1016	rVB2	187787	282459	15.80%	2.155%
28	9.170	1028	1035	1043	rVB6	19740	41935	2.35%	0.320%
29	9.276	1045	1053	1057	rBV3	12528	24912	1.39%	0.190%
30	9.446	1076	1082	1088	rVB	205654	326538	18.26%	2.491%
31	9.704	1117	1126	1131	rBV3	20784	32481	1.82%	0.248%
32	9.810	1139	1144	1148	rBV3	32022	56862	3.18%	0.434%
33	9.863	1148	1153	1164	rVB	150055	283678	15.87%	2.164%
34	10.016	1164	1179	1187	rBV2	318215	571299	31.95%	4.358%
35	10.092	1187	1192	1197	rVV2	21232	31716	1.77%	0.242%
36	10.204	1202	1211	1215	rVV5	22409	50348	2.82%	0.384%

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100325\
Data File : BG064494.D
Acq On : 3 Oct 2025 19:40
Operator : RC/JU
Sample : Q3274-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW4

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

37	10.245	1215	1218	1224	rVV4	13479	18884	1.06%	0.144%
38	10.316	1224	1230	1236	rVB2	23762	39727	2.22%	0.303%
39	10.533	1262	1267	1269	rBV	23212	33057	1.85%	0.252%
40	10.598	1269	1278	1284	rVV2	136590	344557	19.27%	2.628%
41	10.662	1284	1289	1295	rVV4	68658	129731	7.26%	0.990%
42	10.727	1295	1300	1307	rVB	72186	121367	6.79%	0.926%
43	10.827	1312	1317	1323	rBV2	23239	35352	1.98%	0.270%
44	10.897	1323	1329	1337	rVB4	18522	39974	2.24%	0.305%
45	10.979	1339	1343	1349	rVB3	11778	18745	1.05%	0.143%
46	11.079	1354	1360	1365	rVB2	17641	30818	1.72%	0.235%
47	11.185	1371	1378	1383	rBV4	16153	33617	1.88%	0.256%
48	11.267	1388	1392	1398	rVB2	42111	70984	3.97%	0.541%
49	11.526	1429	1436	1443	rVB2	55120	97052	5.43%	0.740%
50	11.720	1463	1469	1475	rBV2	49131	85020	4.76%	0.649%
51	11.802	1475	1483	1492	rVB2	37844	76726	4.29%	0.585%
52	11.937	1498	1506	1511	rVB2	19884	36342	2.03%	0.277%
53	11.996	1511	1516	1524	rBV2	34618	59800	3.34%	0.456%
54	12.160	1539	1544	1550	rVB3	42964	73675	4.12%	0.562%
55	12.272	1553	1563	1571	rVV	131494	228396	12.77%	1.742%
56	12.489	1593	1600	1605	rBV	135829	225840	12.63%	1.723%
57	12.572	1612	1614	1625	rVB7	9059	22105	1.24%	0.169%
58	13.071	1692	1699	1706	rVB	609861	939121	52.53%	7.164%
59	13.318	1731	1741	1747	rBV5	43991	105404	5.90%	0.804%
60	13.388	1749	1753	1760	rVB4	11972	21135	1.18%	0.161%
61	13.482	1764	1769	1771	rBV2	24552	41625	2.33%	0.318%
62	13.612	1783	1791	1793	rBV2	72459	122227	6.84%	0.932%
63	13.770	1807	1818	1823	rBV2	152733	291364	16.30%	2.223%
64	13.823	1823	1827	1838	rVB	77142	129135	7.22%	0.985%
65	14.005	1854	1858	1861	rBV	71209	102852	5.75%	0.785%
66	14.170	1878	1886	1893	rBV2	51026	98607	5.52%	0.752%
67	14.446	1927	1933	1940	rBV	154223	244090	13.65%	1.862%
68	14.511	1940	1944	1947	rBV3	16373	27787	1.55%	0.212%
69	14.663	1965	1970	1978	rVB7	11560	27936	1.56%	0.213%
70	14.846	1996	2001	2007	rVB4	38183	65315	3.65%	0.498%
71	14.922	2010	2014	2019	rVB4	23629	32199	1.80%	0.246%
72	15.069	2029	2039	2044	rBV4	25710	49408	2.76%	0.377%
73	15.122	2044	2048	2051	rVB3	16510	23212	1.30%	0.177%
74	15.239	2061	2068	2071	rBV7	12358	28764	1.61%	0.219%
75	15.274	2071	2074	2079	rVB4	20241	28859	1.61%	0.220%
76	15.492	2106	2111	2116	rVB3	37867	56883	3.18%	0.434%

Sample Results: **BG064494.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100325\
Data File : BG064494.D
Acq On : 3 Oct 2025 19:40
Operator : RC/JU
Sample : Q3274-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW4

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

77	15.621	2128	2133	2136	rBV	40722	57314	3.21%	0.437%
78	15.656	2136	2139	2143	rVB5	14636	22505	1.26%	0.172%
79	15.803	2158	2164	2172	rVB2	43865	80374	4.50%	0.613%
80	15.938	2180	2187	2195	rBV	677149	1045022	58.45%	7.971%
81	16.549	2287	2291	2297	rBV5	27784	49391	2.76%	0.377%
82	17.008	2365	2369	2376	rVB6	16980	32448	1.81%	0.248%
83	17.190	2391	2400	2404	rBV2	208658	335383	18.76%	2.558%
84	17.231	2404	2407	2411	rVB2	24999	34018	1.90%	0.259%
85	17.713	2484	2489	2493	rBV4	20423	36066	2.02%	0.275%
86	18.083	2544	2552	2562	rBV4	61463	130959	7.32%	0.999%
87	18.947	2694	2699	2701	rBV6	13158	19262	1.08%	0.147%
88	19.364	2766	2770	2773	rBV5	13744	18171	1.02%	0.139%
89	19.804	2839	2845	2852	rBV	1345545	1787867	100.00%	13.638%
90	21.085	3057	3063	3072	rBV9	22947	38853	2.17%	0.296%
91	21.408	3112	3118	3126	rVB	229378	352188	19.70%	2.686%
92	24.387	3615	3625	3635	rBV2	142488	380002	21.25%	2.899%

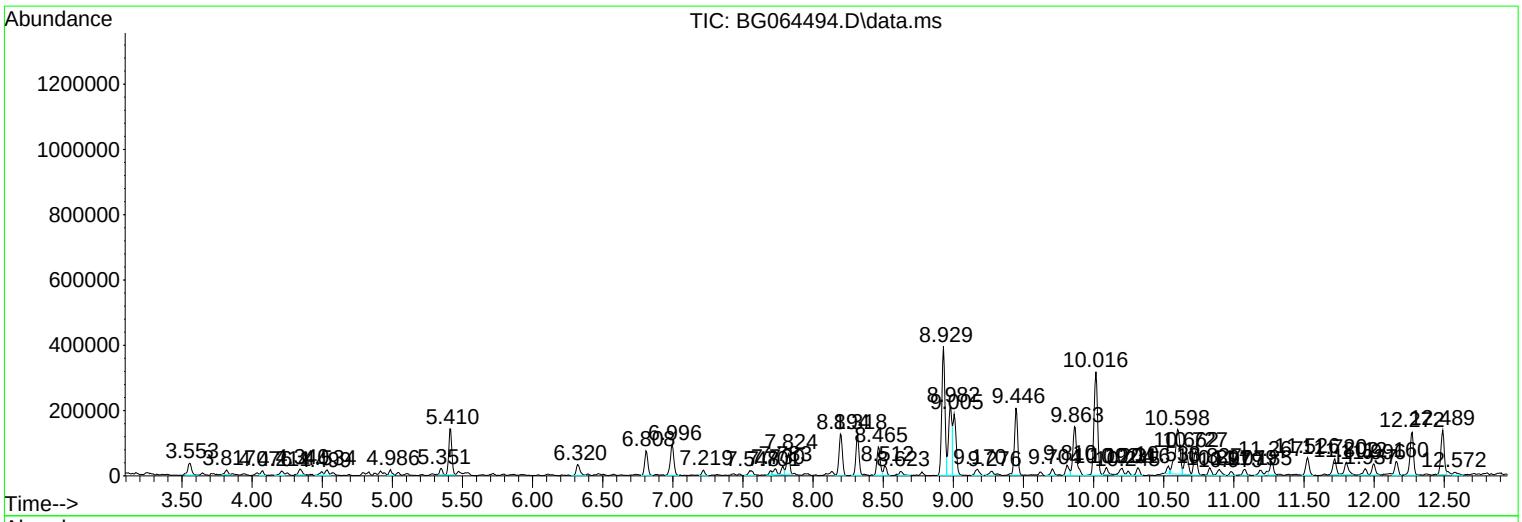
Sum of corrected areas: 13109708

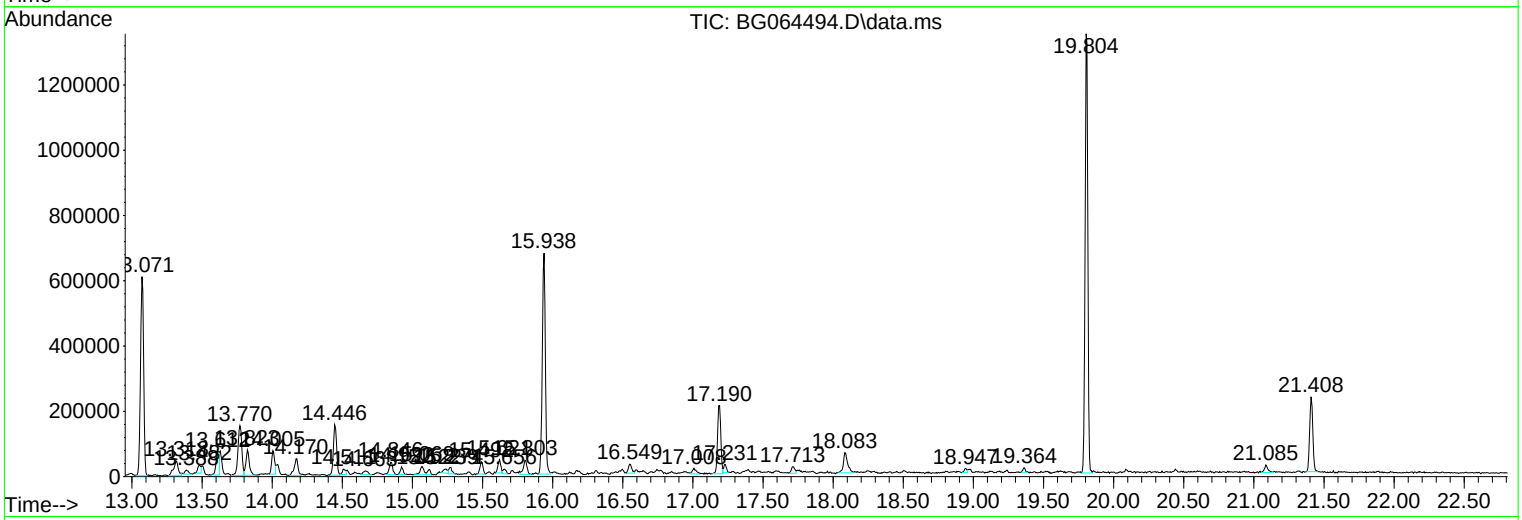
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100325\
Data File : BG064494.D
Acq On : 3 Oct 2025 19:40
Operator : RC/JU
Sample : Q3274-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

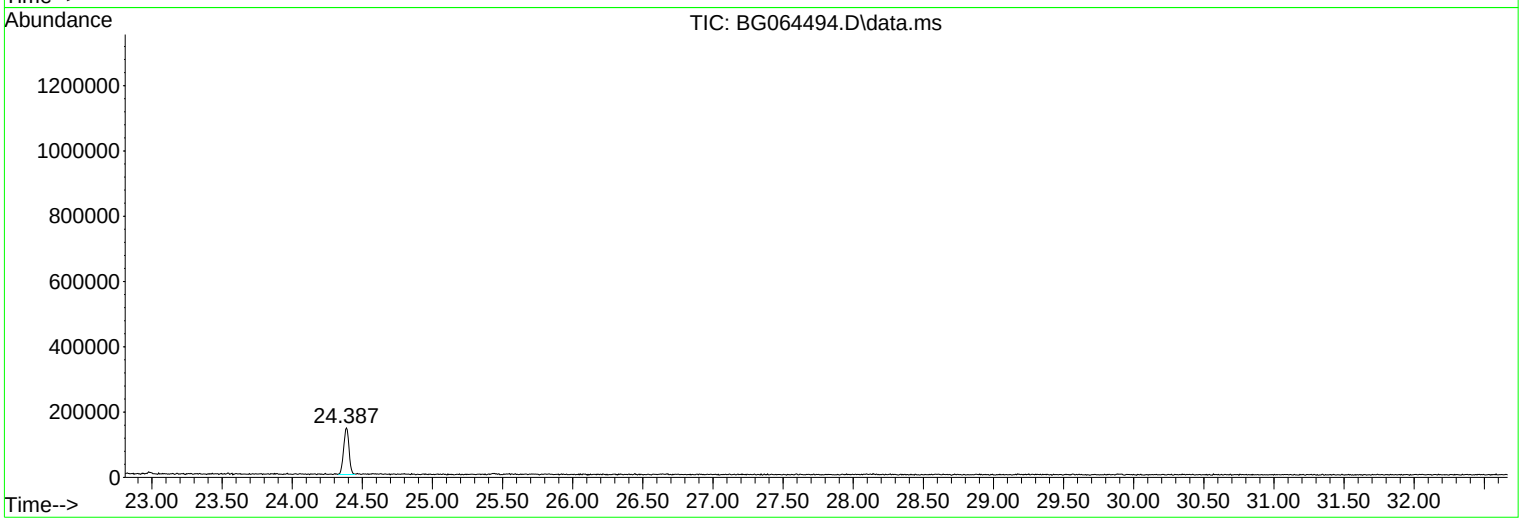
Instrument :
BNA_G
ClientSampleId :
MW4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100325\
Data File : BG064494.D
Acq On : 3 Oct 2025 19:40
Operator : RC/JU
Sample : Q3274-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

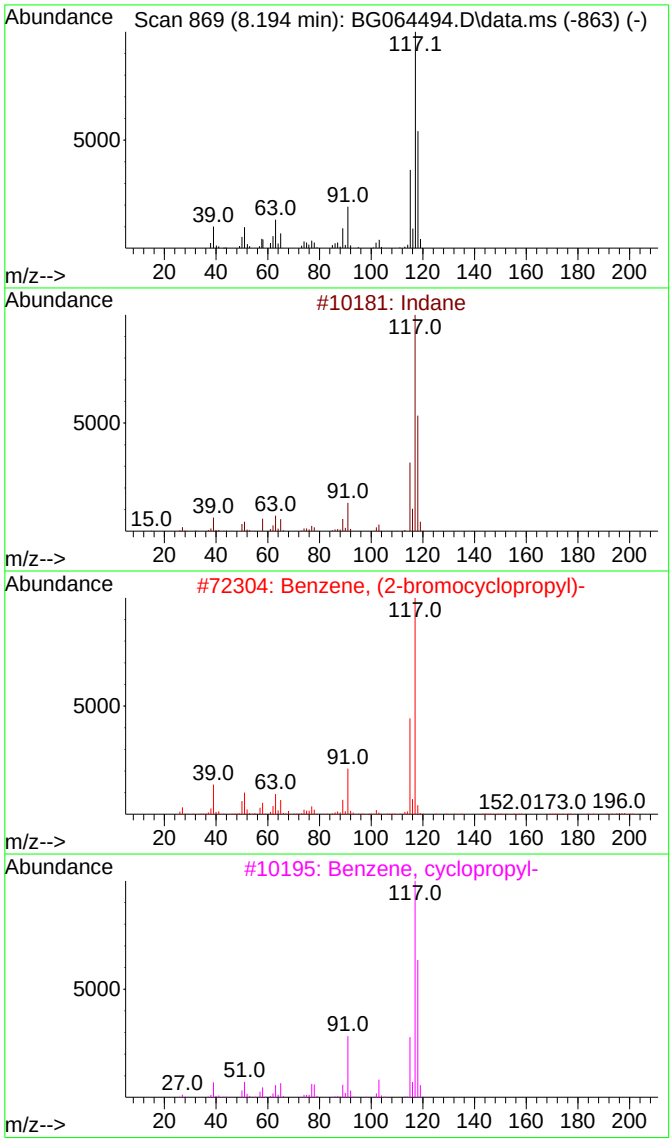
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

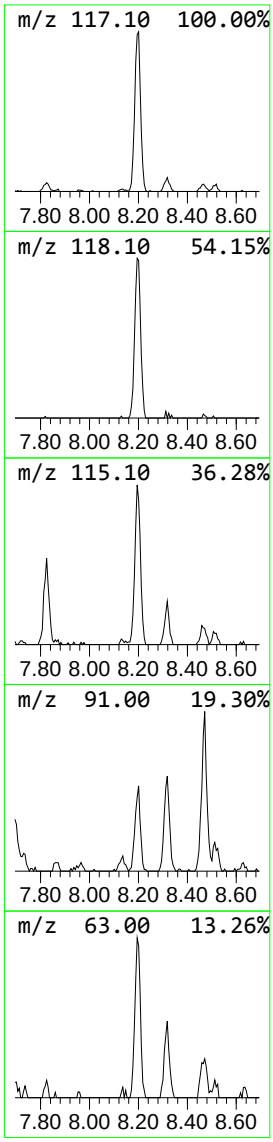
****

Peak Number 4 Indane Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.194	43.03 ng	215058	1,4-Dichlorobenzene-d4	7.824

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	93
2	Benzene, (2-bromocyclopropyl)-	196	C9H9Br	036617-02-4	64
3	Benzene, cyclopropyl-	118	C9H10	000873-49-4	59
4	Deltacyclene	118	C9H10	007785-10-6	53
5	Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	53





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100325\
Data File : BG064494.D
Acq On : 3 Oct 2025 19:40
Operator : RC/JU
Sample : Q3274-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

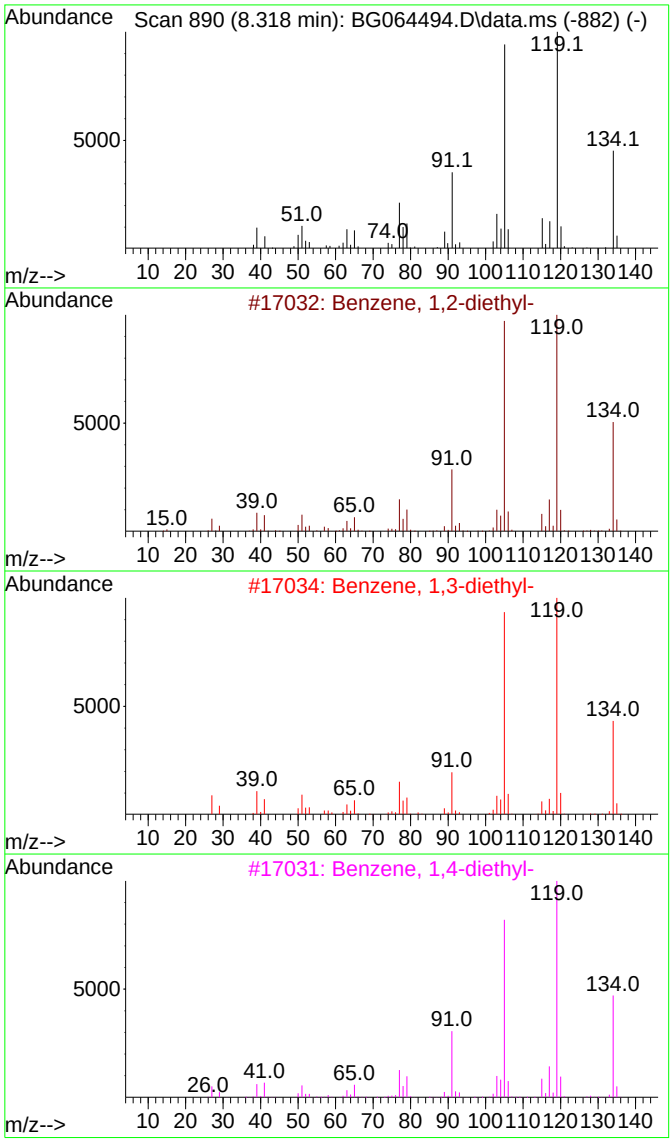
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

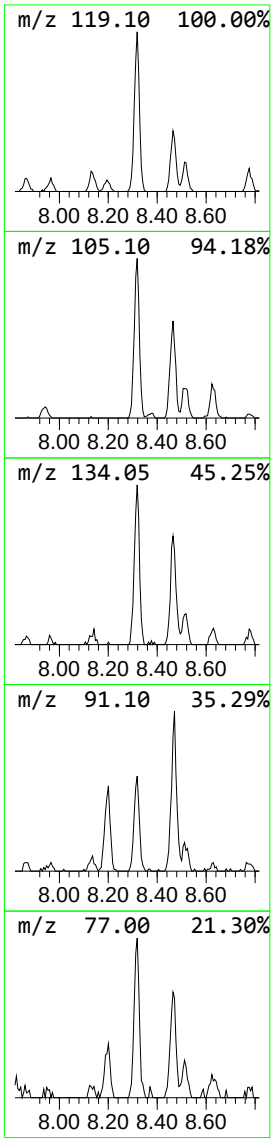
****

Peak Number 5 Benzene, 1,2-diethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.318	38.85 ng	194121	1,4-Dichlorobenzene-d4	7.824

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	95
2	Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	95
3	Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	94
4	Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	87
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	86





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100325\
Data File : BG064494.D
Acq On : 3 Oct 2025 19:40
Operator : RC/JU
Sample : Q3274-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW4

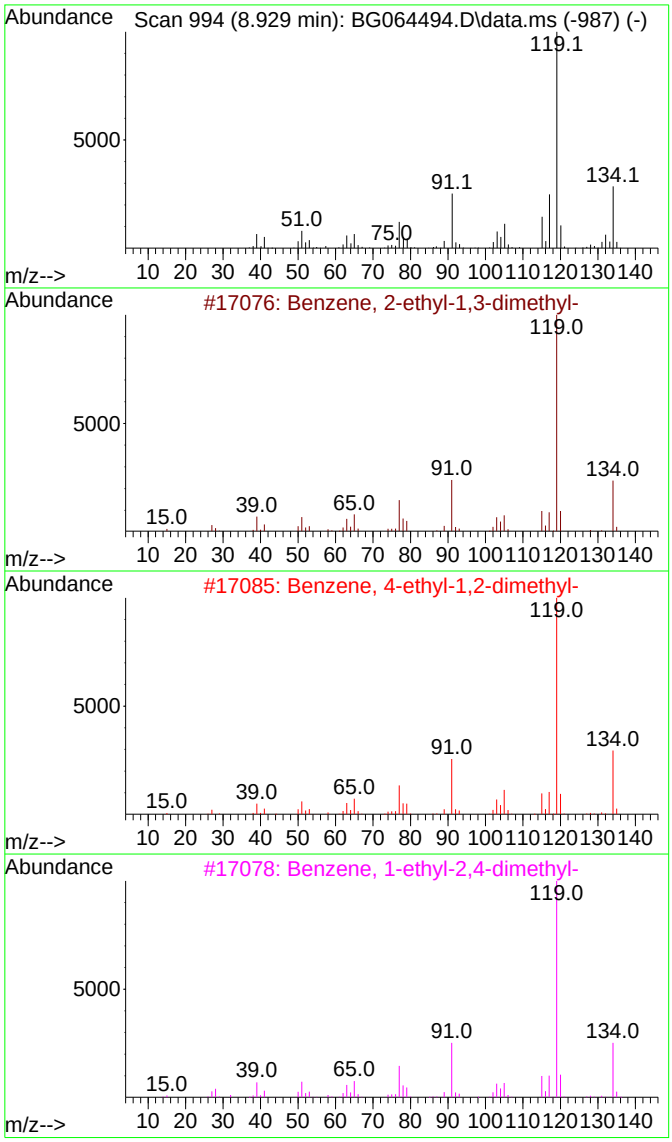
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

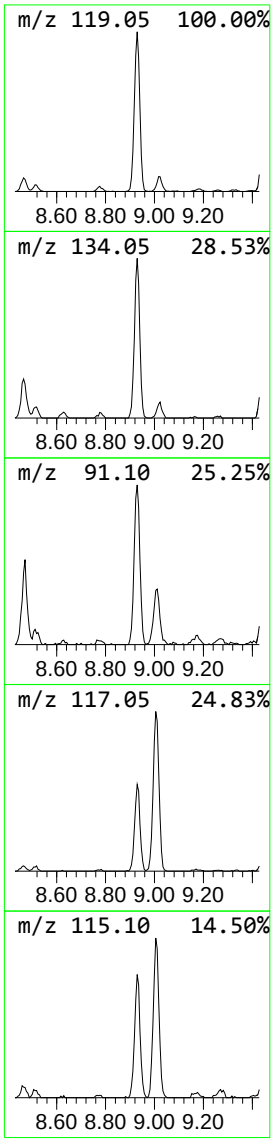
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 8 Benzene, 2-ethyl-1,3-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.929	127.30 ng	636165	1,4-Dichlorobenzene-d4	7.824

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94
2	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	94
3	Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
4	p-Cymene	134	C10H14	000099-87-6	87
5	Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100325\
Data File : BG064494.D
Acq On : 3 Oct 2025 19:40
Operator : RC/JU
Sample : Q3274-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

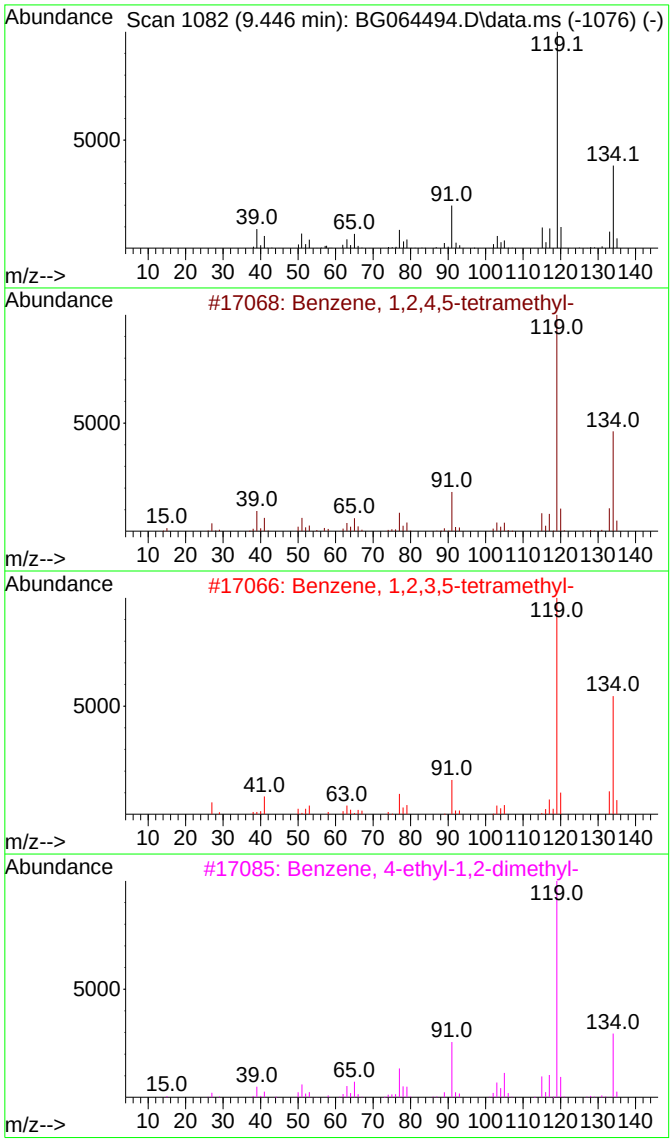
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

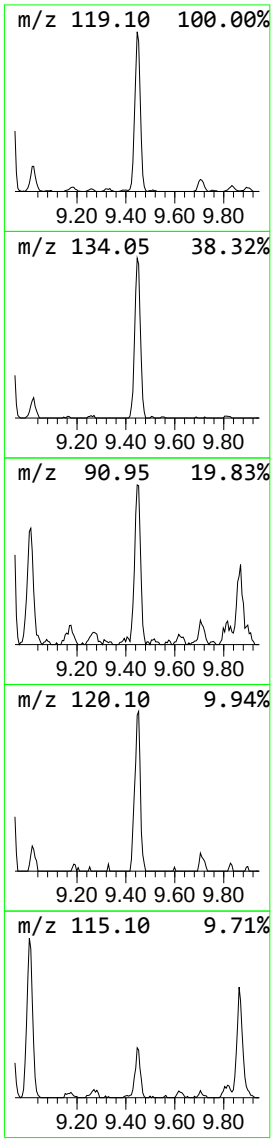
****

Peak Number 10 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.446	18.95 ng	326538	Naphthalene-d8	10.609

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
2	Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
3	Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	91
4	o-Cymene	134	C10H14	000527-84-4	91
5	Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	91





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100325\
Data File : BG064494.D
Acq On : 3 Oct 2025 19:40
Operator : RC/JU
Sample : Q3274-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

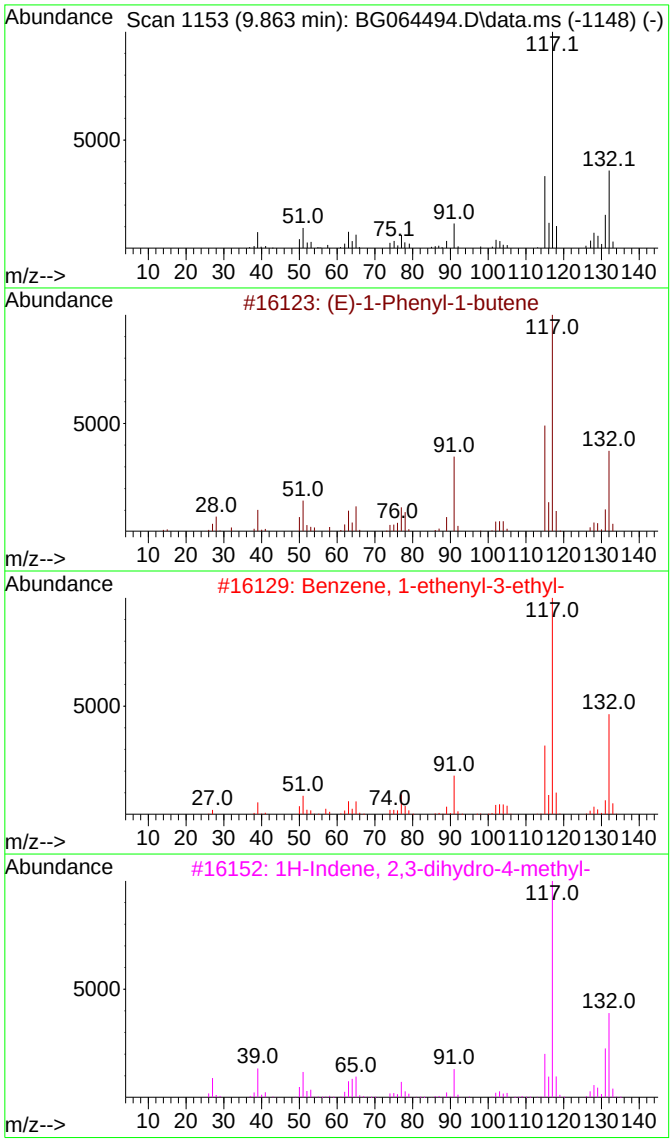
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

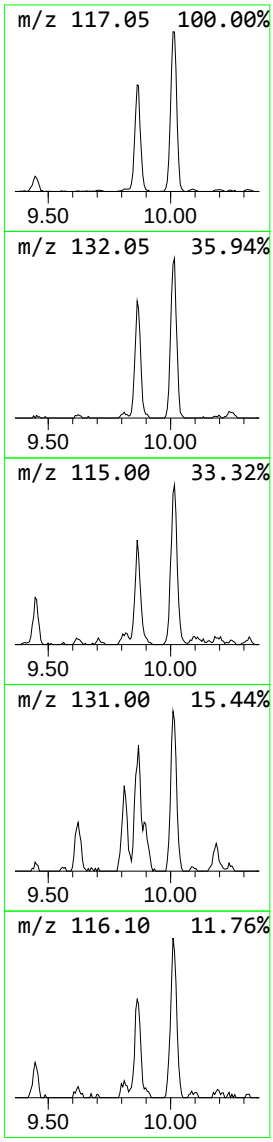
****

Peak Number 11 (E)-1-Phenyl-1-butene Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.863	16.47 ng	283678	Naphthalene-d8	10.609

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	94
2	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	90
3	1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	87
4	Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	87
5	Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100325\
Data File : BG064494.D
Acq On : 3 Oct 2025 19:40
Operator : RC/JU
Sample : Q3274-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

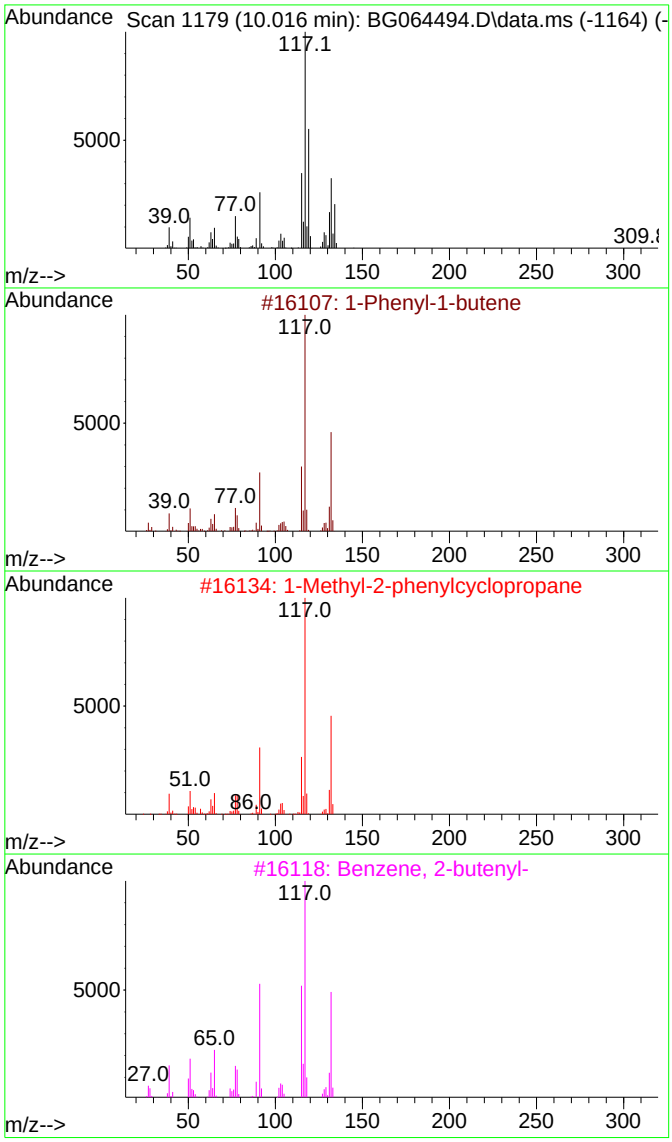
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

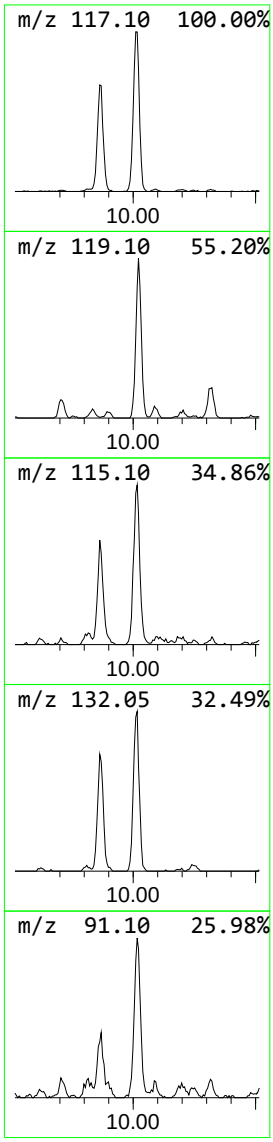
****

Peak Number 12 1-Phenyl-1-butene Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.016	33.16 ng	571299	Naphthalene-d8	10.609

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenyl-1-butene	132	C10H12	000824-90-8	93
2	1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	91
3	Benzene, 2-butenyl-	132	C10H12	001560-06-1	89
4	Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	87
5	Benzene, 1-methyl-4-(2-propenyl)-	132	C10H12	003333-13-9	70





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100325\
Data File : BG064494.D
Acq On : 3 Oct 2025 19:40
Operator : RC/JU
Sample : Q3274-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

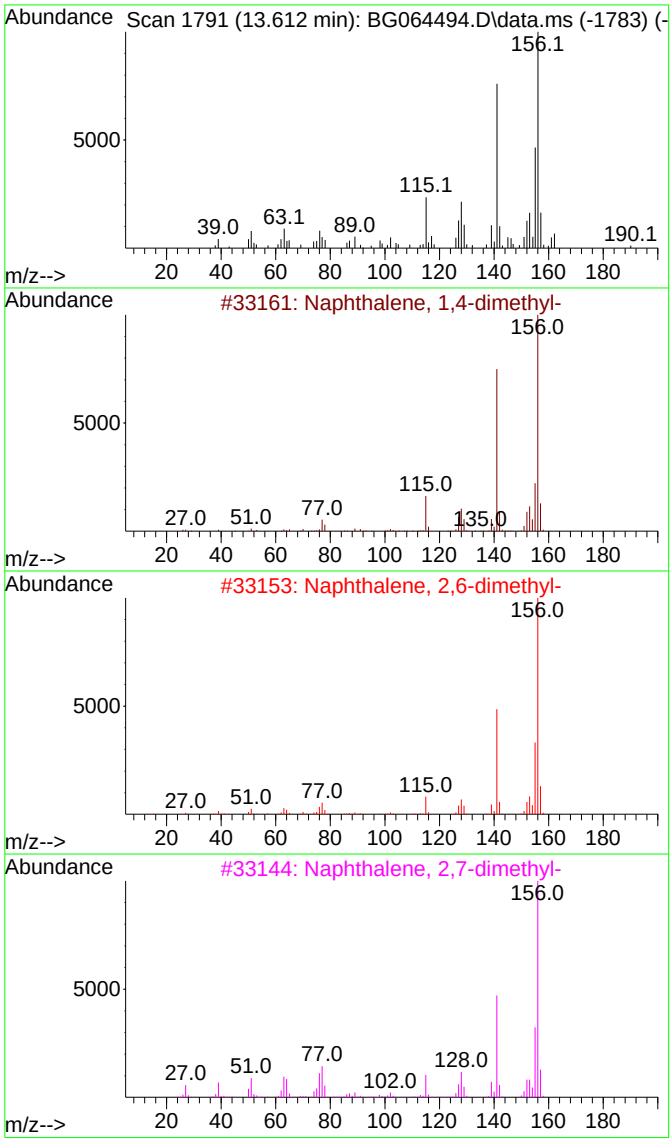
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

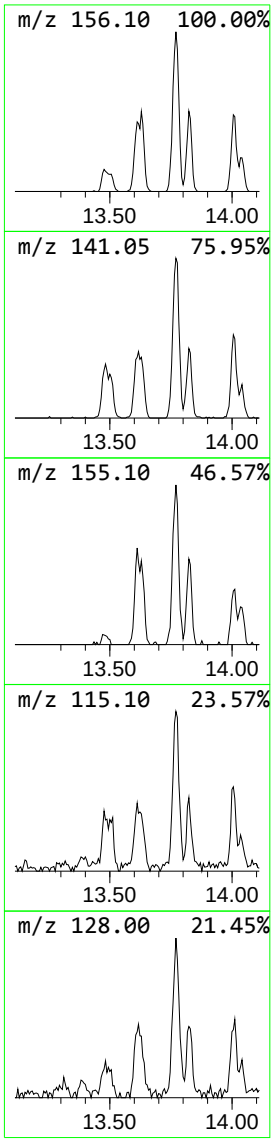
****

Peak Number 15 Naphthalene, 1,4-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.612	10.01 ng	122227	Acenaphthene-d10	14.446

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	94
3	Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	94
4	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	93
5	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	93





```
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100325\
Data File : BG064494.D
Acq On    :  3 Oct 2025  19:40
Operator  : RC/JU
Sample    : Q3274-01
Misc      :
ALS Vial  : 11   Sample Multiplier: 1

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title  : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library   : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P
```

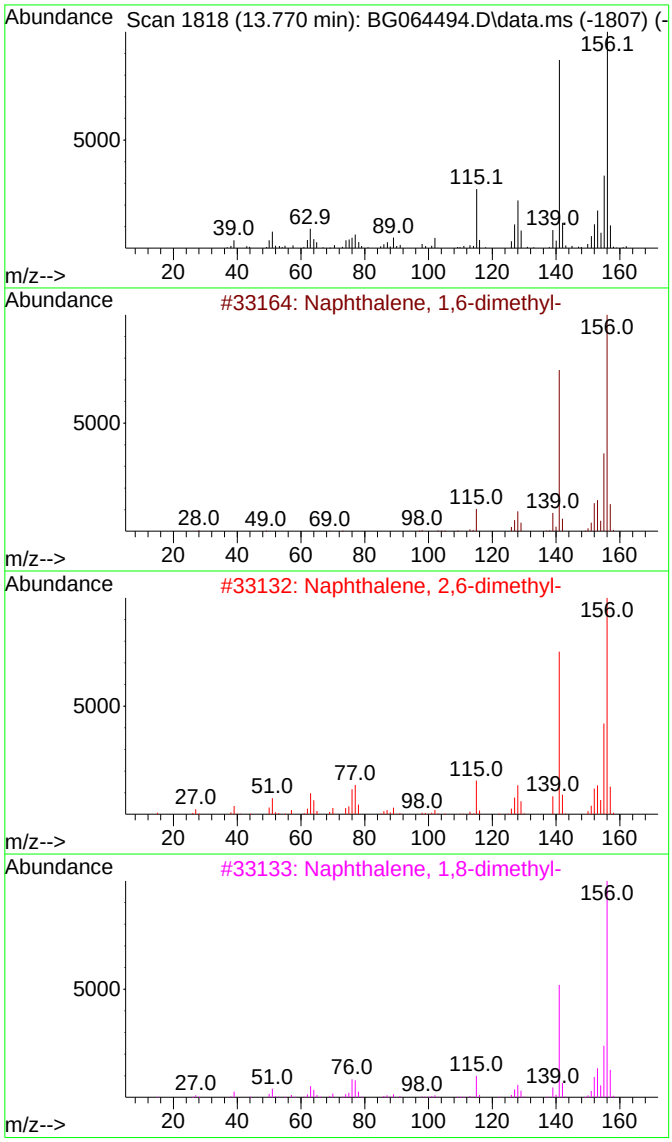
Instrument :
BNA_G
ClientSampleId :
MW4

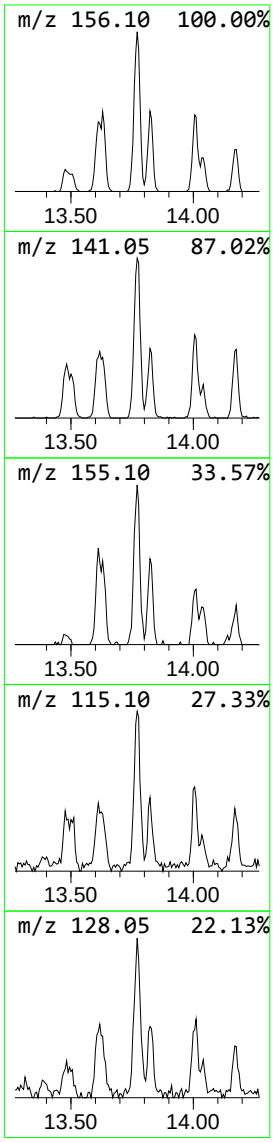
****

Peak Number 16 Naphthalene, 1,6-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.770	23.87 ng	291364	Acenaphthene-d10	14.446

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
2	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	94
3	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	91
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	91
5	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100325\
Data File : BG064494.D
Acq On : 3 Oct 2025 19:40
Operator : RC/JU
Sample : Q3274-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

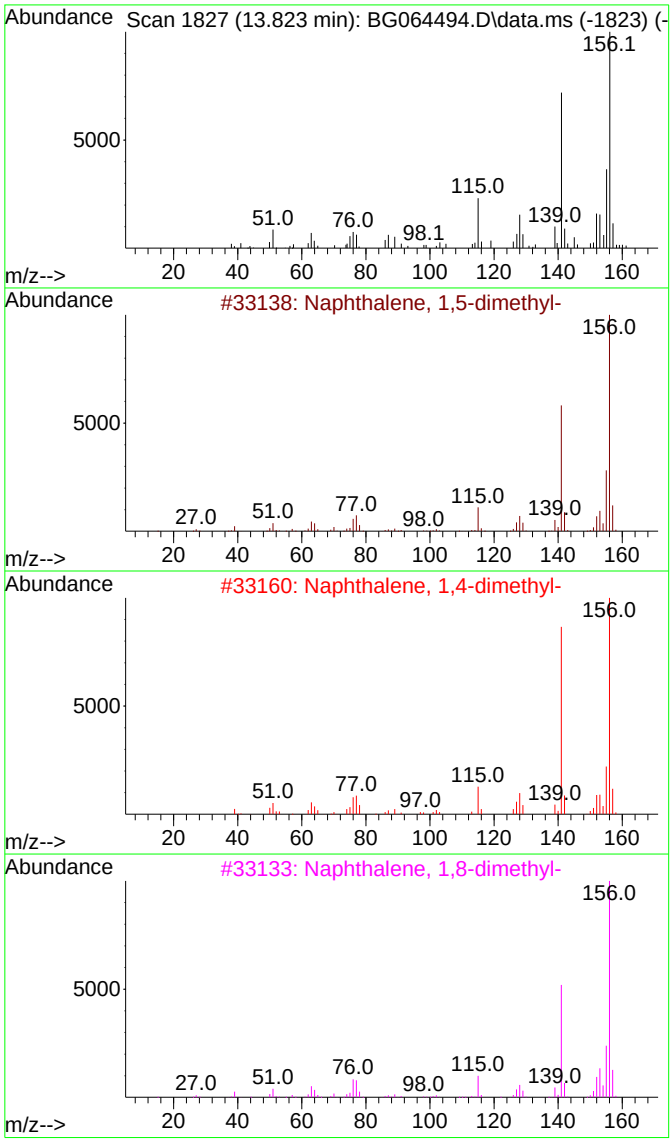
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

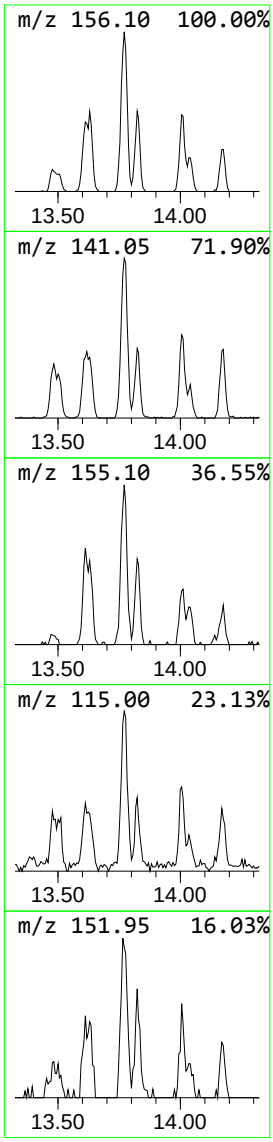
****

Peak Number 17 Naphthalene, 1,5-dimethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.823	10.58 ng	129135	Acenaphthene-d10	14.446

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	95
2	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	94
3	Naphthalene, 1,8-dimethyl-	156	C12H12	000569-41-5	94
4	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	93
5	Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	93





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100325\
Data File : BG064494.D
Acq On : 3 Oct 2025 19:40
Operator : RC/JU
Sample : Q3274-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

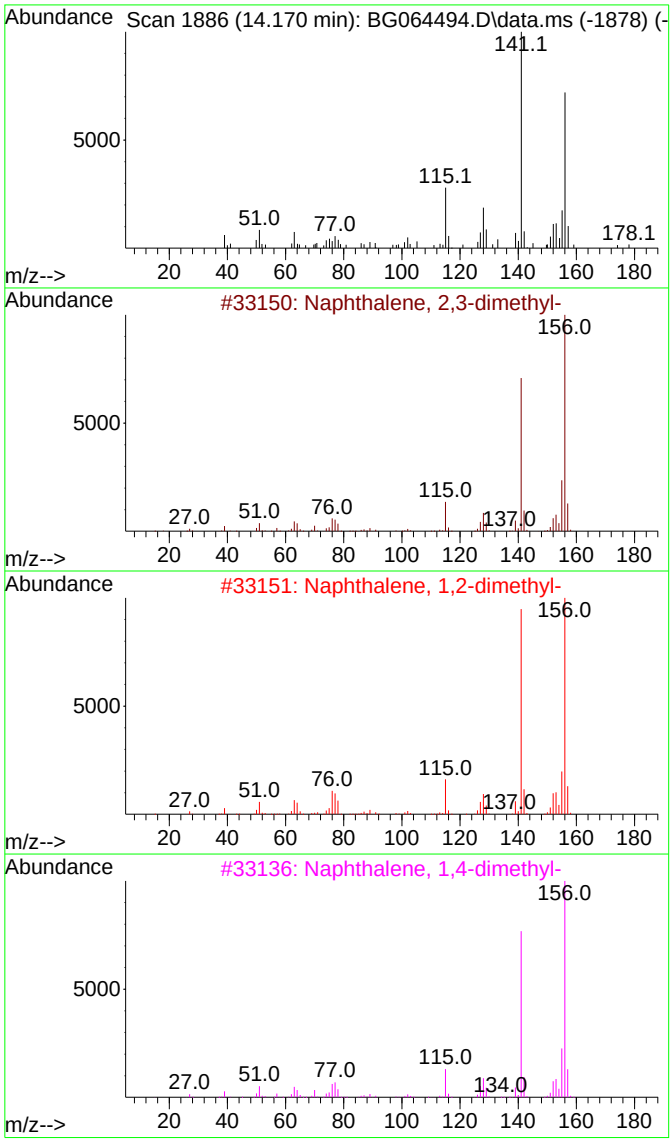
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

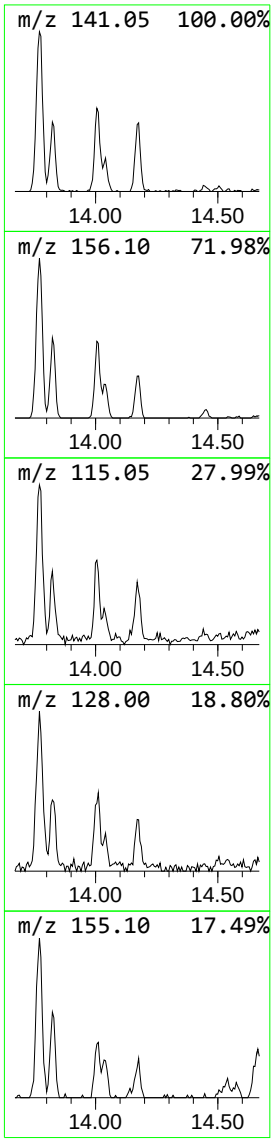
****

Peak Number 19 Naphthalene, 2,3-dimethyl- Concentration Rank 18

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.170	8.08 ng	98607	Acenaphthene-d10	14.446

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	91
2	Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	90
3	Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	90
4	Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	90
5	Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	87





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100325\
Data File : BG064494.D
Acq On : 3 Oct 2025 19:40
Operator : RC/JU
Sample : Q3274-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

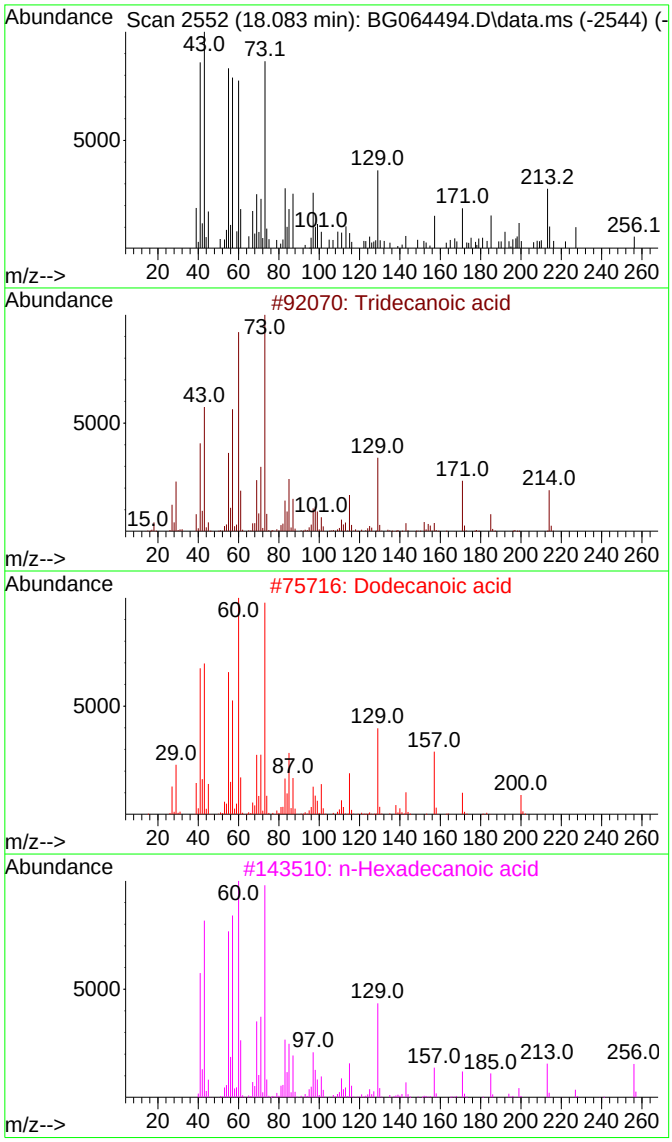
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

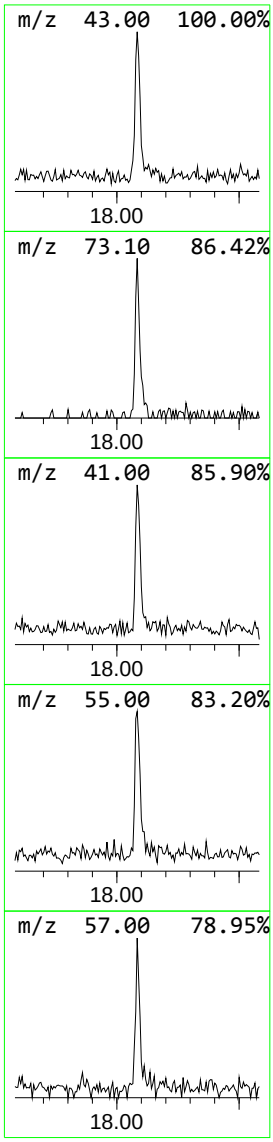
****

Peak Number 20 Tridecanoic acid Concentration Rank 19

R.T.	EstConc	Area	Relative to ISTD	R.T.
18.083	7.81 ng	130959	Phenanthrene-d10	17.190

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecanoic acid	214	C13H26O2	000638-53-9	93
2	Dodecanoic acid	200	C12H24O2	000143-07-7	58
3	n-Hexadecanoic acid	256	C16H32O2	000057-10-3	58
4	Tetradecanoic acid	228	C14H28O2	000544-63-8	52
5	Pentadecanoic acid	242	C15H30O2	001002-84-2	52





Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100325\
Data File : BG064494.D
Acq On : 3 Oct 2025 19:40
Operator : RC/JU
Sample : Q3274-01
Misc :
ALS Vial : 11 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
MW4

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Indane	8.194	43.0	ng	215058	1	7.824	99946	20.0
Benzene, 1,2-di...	8.318	38.9	ng	194121	1	7.824	99946	20.0
Benzene, 2-ethy...	8.929	127.3	ng	636165	1	7.824	99946	20.0
Benzene, 1,2,4,...	9.446	18.9	ng	326538	2	10.609	344557	20.0
(E)-1-Phenyl-1-...	9.863	16.5	ng	283678	2	10.609	344557	20.0
1-Phenyl-1-butene	10.016	33.2	ng	571299	2	10.609	344557	20.0
Naphthalene, 1,...	13.612	10.0	ng	122227	3	14.446	244090	20.0
Naphthalene, 1,...	13.770	23.9	ng	291364	3	14.446	244090	20.0
Naphthalene, 1,...	13.823	10.6	ng	129135	3	14.446	244090	20.0
Naphthalene, 2,...	14.170	8.1	ng	98607	3	14.446	244090	20.0
Tridecanoic acid	18.083	7.8	ng	130959	4	17.190	335383	20.0

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100325\
Data File : BG064488.D
Acq On : 3 Oct 2025 15:35
Operator : RC/JU
Sample : PB169973BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB169973BL

Quant Time: Oct 03 16:20:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration

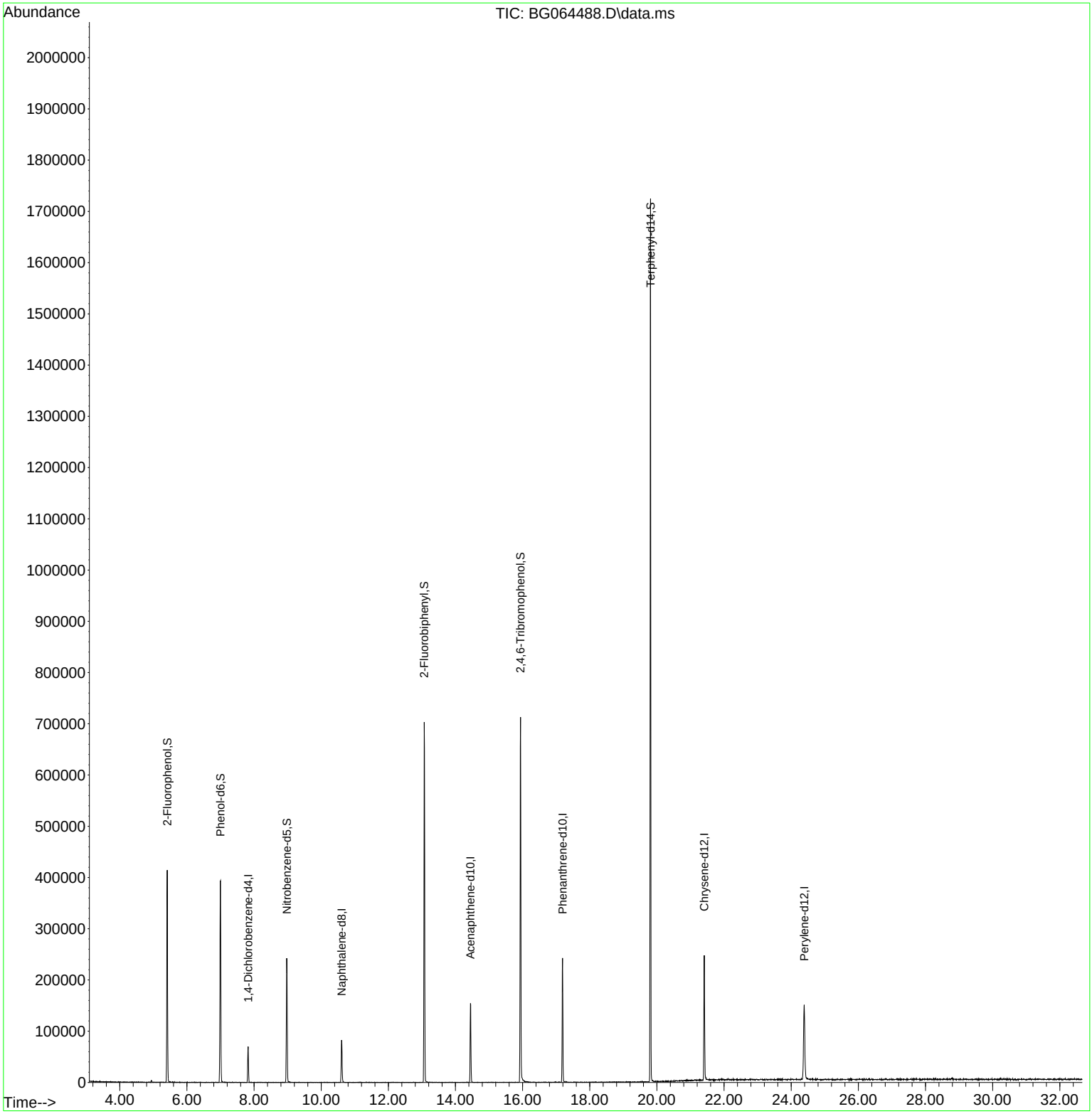
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.824	152	16965	20.000	ng	0.00
21) Naphthalene-d8	10.609	136	71465	20.000	ng	# 0.00
39) Acenaphthene-d10	14.446	164	57081	20.000	ng	0.00
64) Phenanthrene-d10	17.189	188	145353	20.000	ng	# 0.00
76) Chrysene-d12	21.408	240	149348	20.000	ng	0.00
86) Perylene-d12	24.387	264	157878	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.415	112	148699	162.213	ng	0.00
7) Phenol-d6	7.001	99	185155	150.303	ng	0.02
23) Nitrobenzene-d5	8.976	82	124977	94.032	ng	0.00
42) 2,4,6-Tribromophenol	15.938	330	142586	137.808	ng	0.00
45) 2-Fluorobiphenyl	13.071	172	351343	90.727	ng	0.00
79) Terphenyl-d14	19.810	244	779476	98.773	ng	0.00
Target Compounds						Qvalue

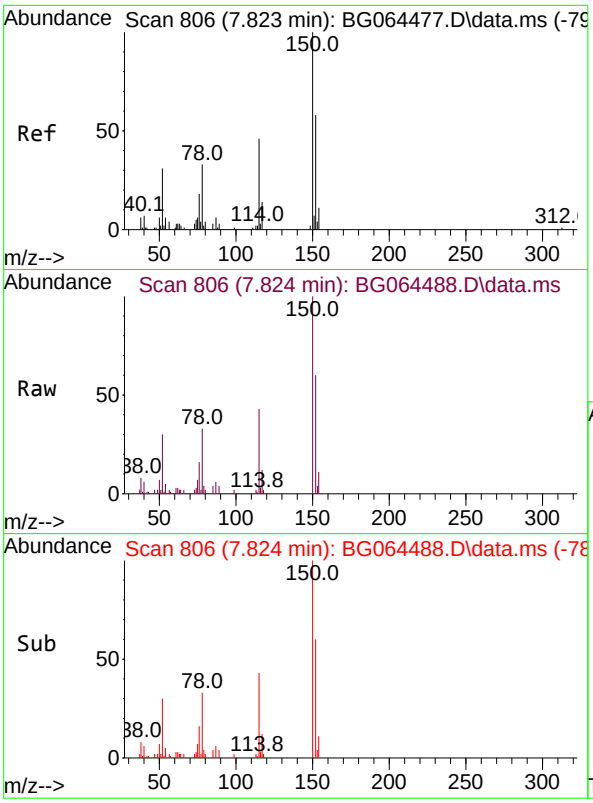
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100325\
Data File : BG064488.D
Acq On : 3 Oct 2025 15:35
Operator : RC/JU
Sample : PB169973BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB169973BL

Quant Time: Oct 03 16:20:38 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration



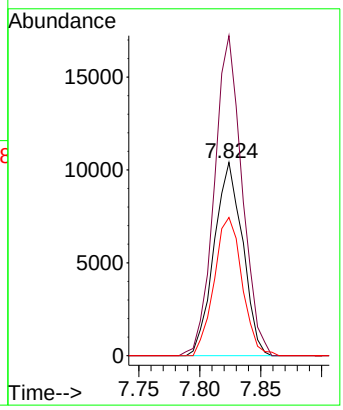


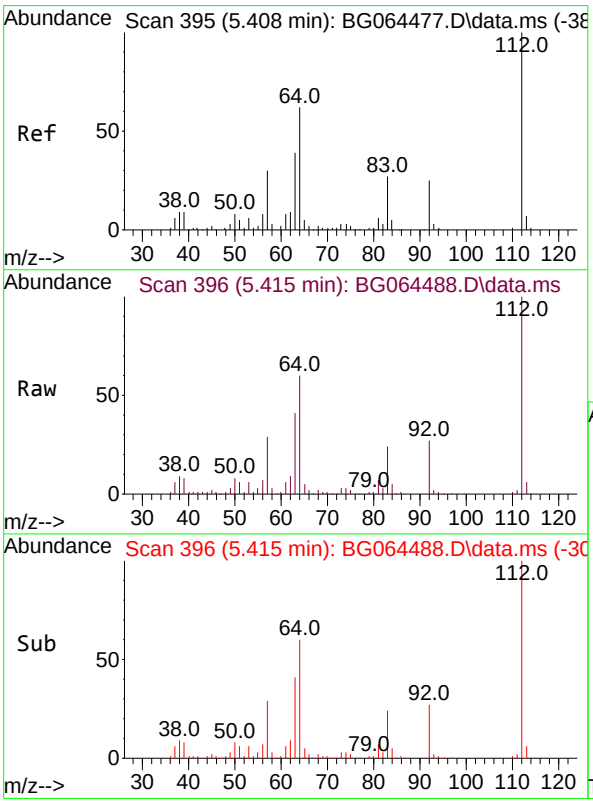
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.824 min Scan# 80
Delta R.T. 0.004 min
Lab File: BG064488.D
Acq: 3 Oct 2025 15:35

Instrument :
BNA_G
ClientSampleId :
PB169973BL

Tgt Ion:152 Resp: 16965

Ion	Ratio	Lower	Upper
152	100		
150	165.7	138.6	207.8
115	71.5	63.4	95.2

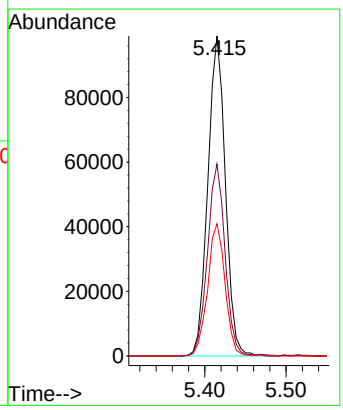


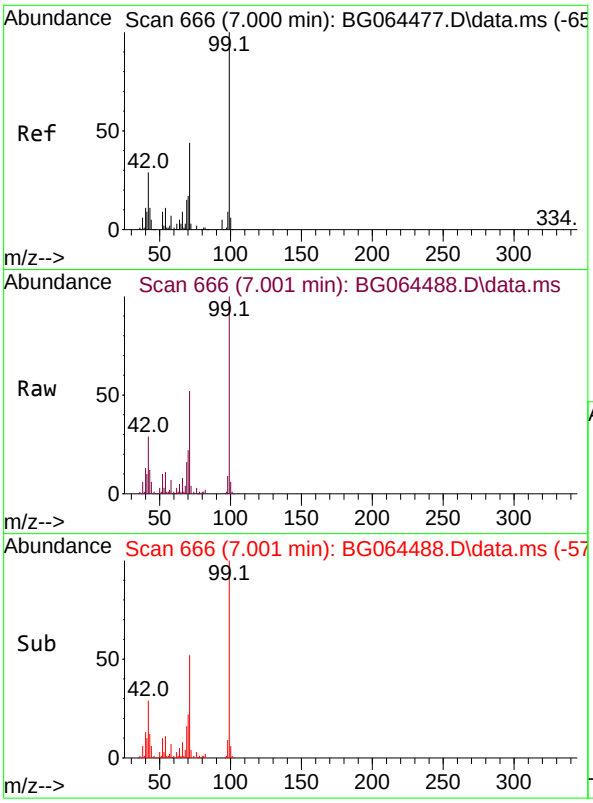


#5
2-Fluorophenol
Concen: 162.213 ng
RT: 5.415 min Scan# 396
Delta R.T. 0.009 min
Lab File: BG064488.D
Acq: 3 Oct 2025 15:35

Tgt Ion:112 Resp: 148699

Ion	Ratio	Lower	Upper
112	100		
64	59.9	49.8	74.8
63	41.3	31.3	46.9



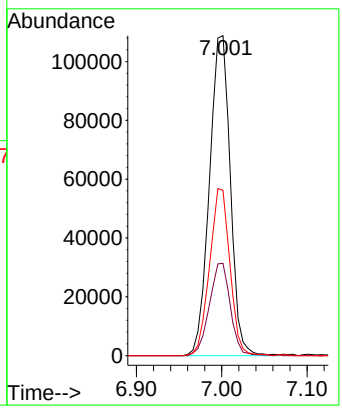


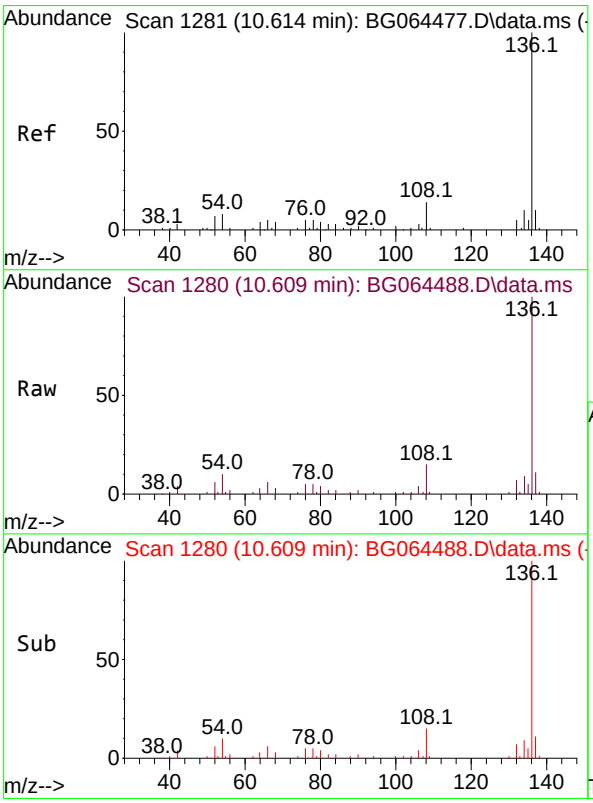
#7
Phenol-d6
Concen: 150.303 ng
RT: 7.001 min Scan# 6
Delta R.T. 0.015 min
Lab File: BG064488.D
Acq: 3 Oct 2025 15:35

Instrument :
BNA_G
ClientSampleId :
PB169973BL

Tgt Ion: 99 Resp: 185155

Ion	Ratio	Lower	Upper
99	100		
42	28.8	22.9	34.3
71	51.7	35.4	53.2

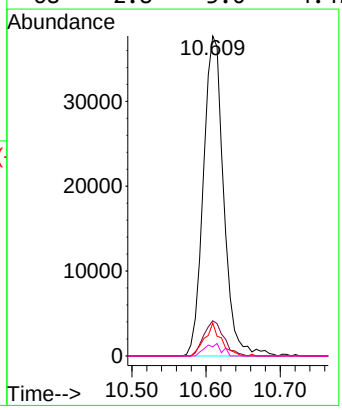


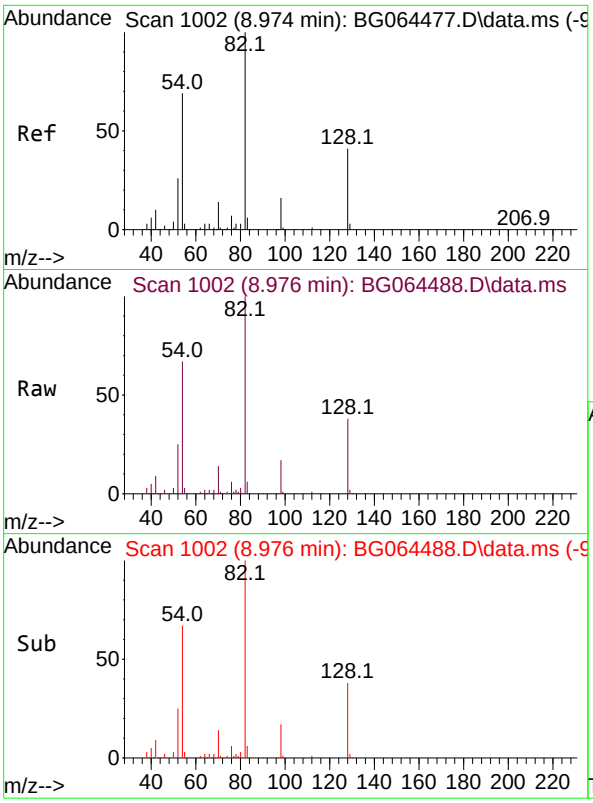


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.609 min Scan# 1280
Delta R.T. 0.003 min
Lab File: BG064488.D
Acq: 3 Oct 2025 15:35

Tgt Ion:136 Resp: 71465

Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.3	12.5
54	10.3	6.2	9.4#
68	2.8	3.0	4.4#



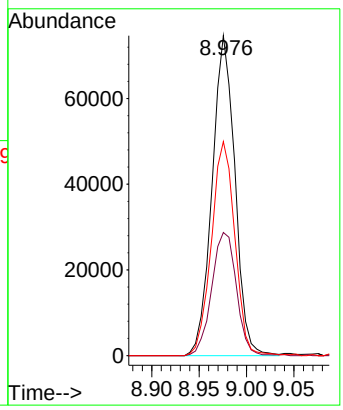


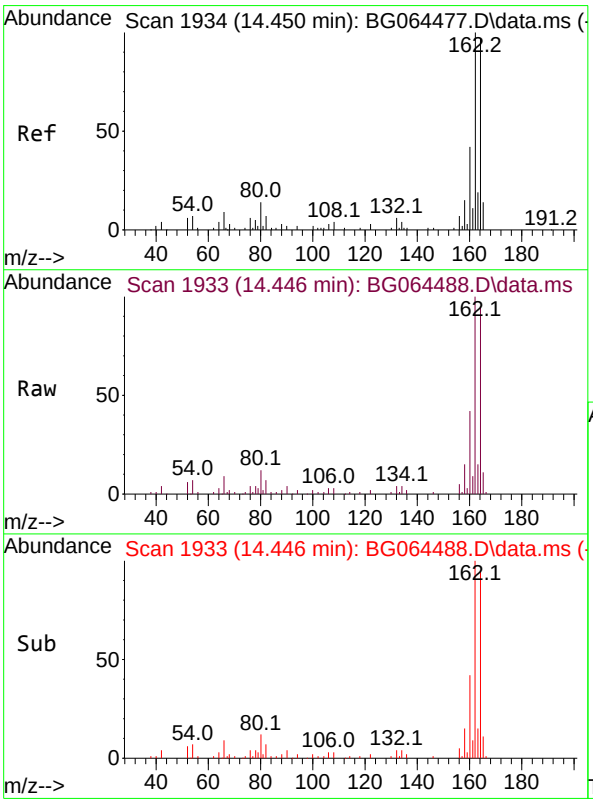
#23
Nitrobenzene-d5
Concen: 94.032 ng
RT: 8.976 min Scan# 10
Delta R.T. 0.009 min
Lab File: BG064488.D
Acq: 3 Oct 2025 15:35

Instrument :
BNA_G
ClientSampleId :
PB169973BL

Tgt Ion: 82 Resp: 124977

Ion	Ratio	Lower	Upper
82	100		
128	38.5	33.1	49.7
54	66.9	55.4	83.2

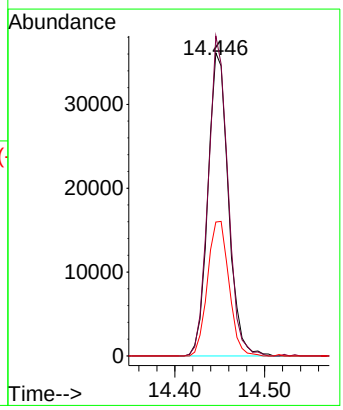


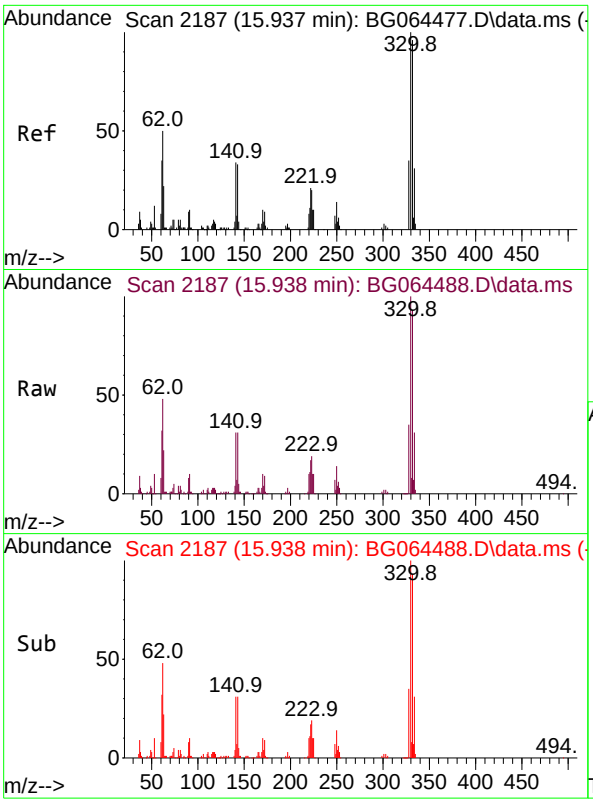


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.446 min Scan# 1933
Delta R.T. -0.002 min
Lab File: BG064488.D
Acq: 3 Oct 2025 15:35

Tgt Ion:164 Resp: 57081

Ion	Ratio	Lower	Upper
164	100		
162	105.6	82.2	123.2
160	44.2	34.3	51.5



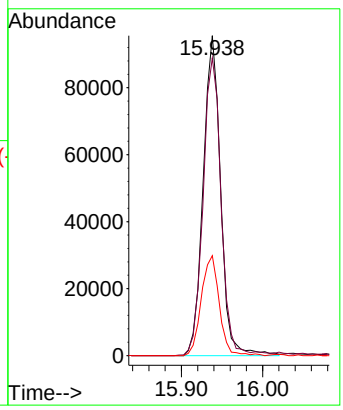


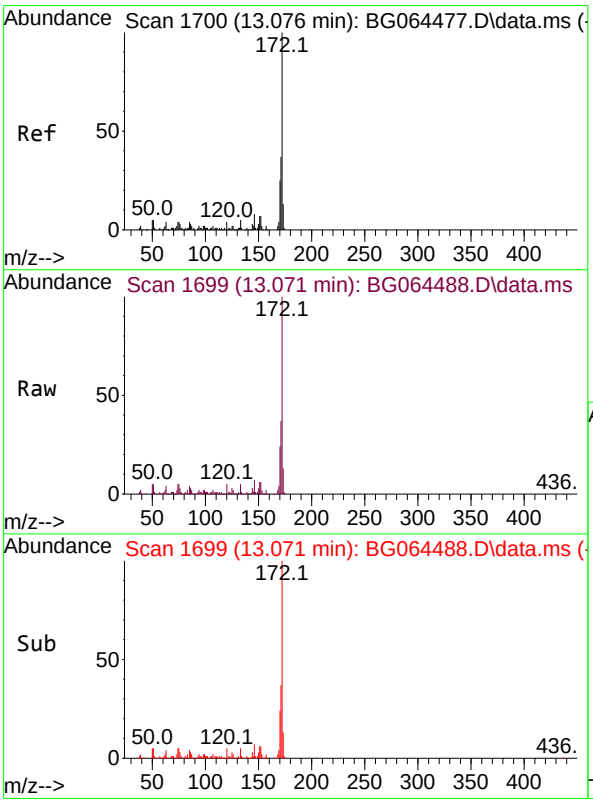
#42
2,4,6-Tribromophenol
Concen: 137.808 ng
RT: 15.938 min Scan# 21
Delta R.T. 0.003 min
Lab File: BG064488.D
Acq: 3 Oct 2025 15:35

Instrument :
BNA_G
ClientSampleId :
PB169973BL

Tgt Ion:330 Resp: 142586

Ion	Ratio	Lower	Upper
330	100		
332	96.3	77.4	116.0
141	32.0	25.8	38.6

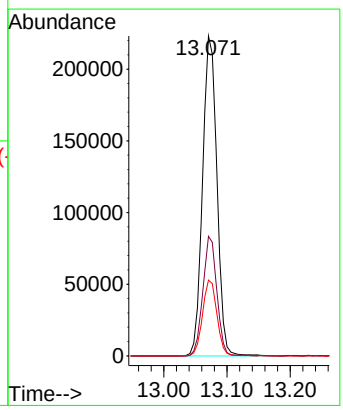


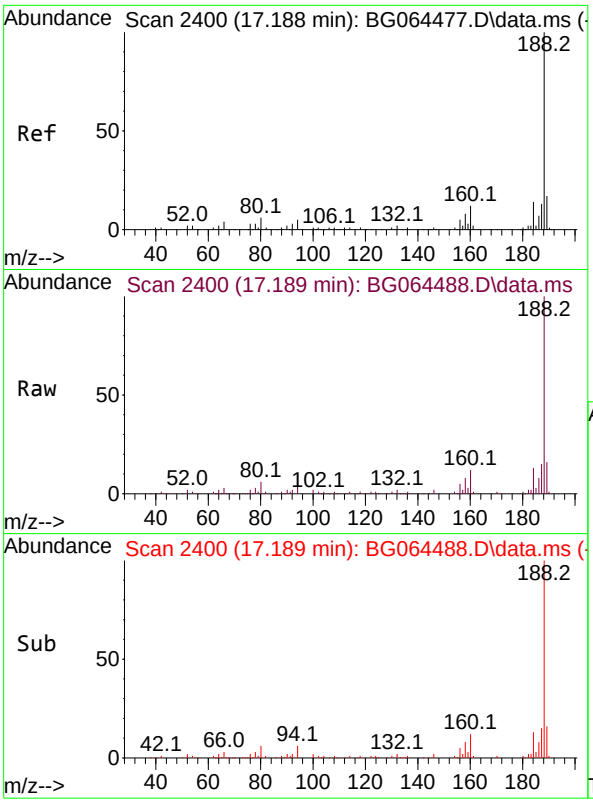


#45
2-Fluorobiphenyl
Concen: 90.727 ng
RT: 13.071 min Scan# 1699
Delta R.T. 0.003 min
Lab File: BG064488.D
Acq: 3 Oct 2025 15:35

Tgt Ion:172 Resp: 351343

Ion	Ratio	Lower	Upper
172	100		
171	37.4	29.6	44.4
170	23.7	20.2	30.2



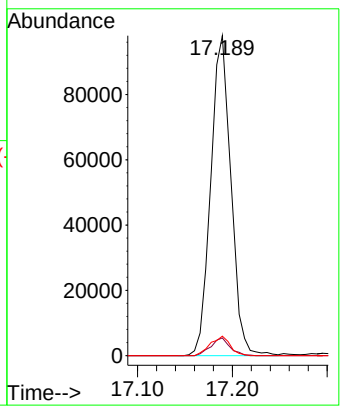


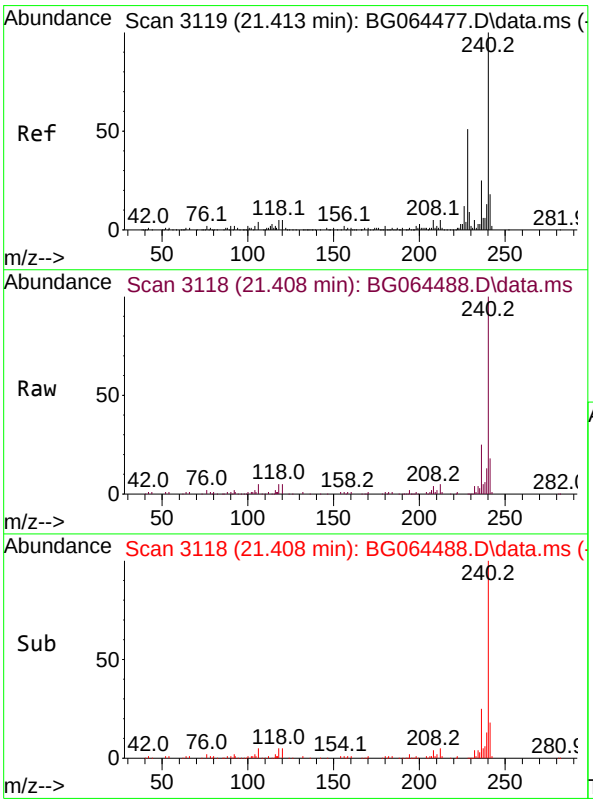
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.189 min Scan# 24
Delta R.T. 0.003 min
Lab File: BG064488.D
Acq: 3 Oct 2025 15:35

Instrument :
BNA_G
ClientSampleId :
PB169973BL

Tgt Ion:188 Resp: 145353

Ion	Ratio	Lower	Upper
188	100		
94	5.5	3.7	5.5#
80	6.1	4.5	6.7

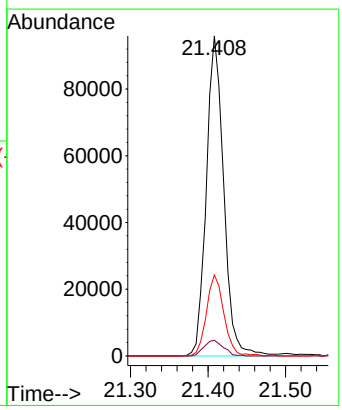


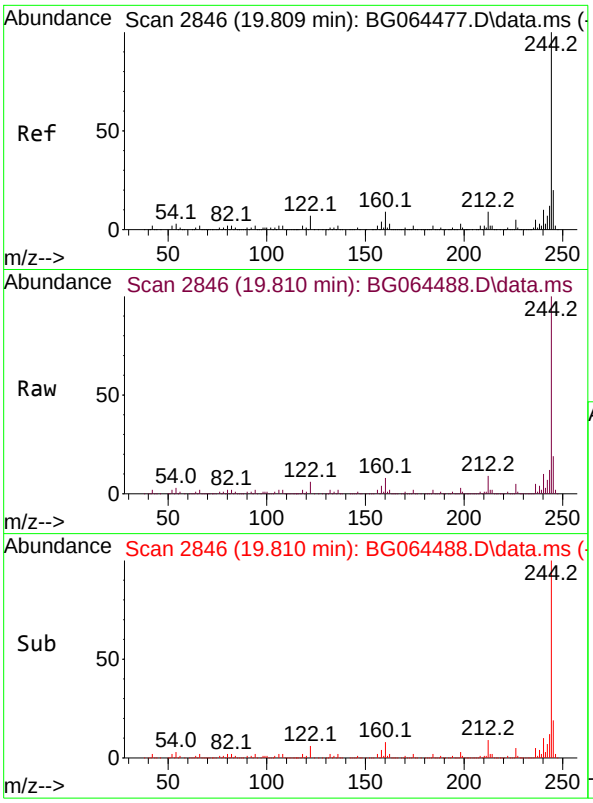


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.408 min Scan# 3118
Delta R.T. -0.002 min
Lab File: BG064488.D
Acq: 3 Oct 2025 15:35

Tgt Ion:240 Resp: 149348

Ion	Ratio	Lower	Upper
240	100		
120	4.9	4.3	6.5
236	25.3	20.4	30.6



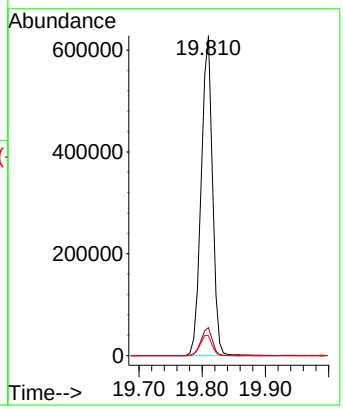


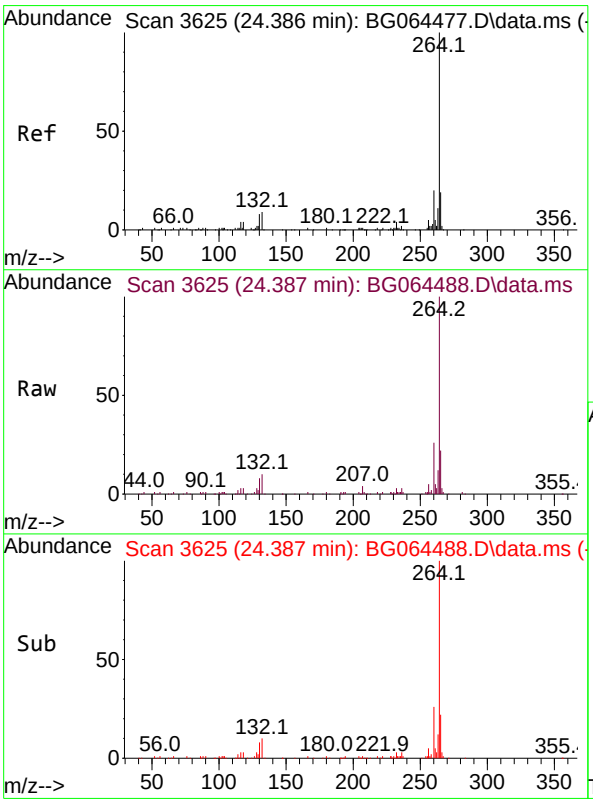
#79
Terphenyl-d14
Concen: 98.773 ng
RT: 19.810 min Scan# 2
Delta R.T. 0.003 min
Lab File: BG064488.D
Acq: 3 Oct 2025 15:35

Instrument :
BNA_G
ClientSampleId :
PB169973BL

Tgt Ion:244 Resp: 779476

Ion	Ratio	Lower	Upper
244	100		
212	8.7	7.0	10.6
122	6.2	5.6	8.4

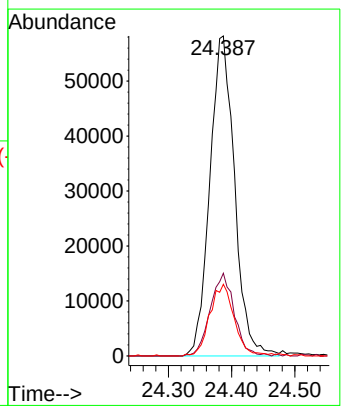




#86
Perylene-d12
Concen: 20.000 ng
RT: 24.387 min Scan# 3625
Delta R.T. -0.002 min
Lab File: BG064488.D
Acq: 3 Oct 2025 15:35

Tgt Ion:264 Resp: 157878

Ion	Ratio	Lower	Upper
264	100		
260	25.8	16.2	24.4#
265	22.4	15.0	22.4



Sample Results: **BG064488.D**

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100325\
Data File : BG064488.D
Acq On : 3 Oct 2025 15:35
Operator : RC/JU
Sample : PB169973BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB169973BL

Integration Parameters: rteint.p
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

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

Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

Signal : TIC: BG064488.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.415	389	396	404	rBV	414112	622304	28.61%	8.093%
2	7.001	658	666	673	rBV	393647	667108	30.67%	8.676%
3	7.824	799	806	813	rBB	69950	113447	5.22%	1.475%
4	8.976	993	1002	1010	rBV	242448	422134	19.41%	5.490%
5	10.609	1273	1280	1295	rVB	82628	154573	7.11%	2.010%
6	13.071	1693	1699	1712	rBV	702849	1080017	49.65%	14.046%
7	14.446	1927	1933	1944	rBV	154134	244585	11.24%	3.181%
8	15.938	2180	2187	2201	rBV	712709	1087253	49.99%	14.140%
9	17.189	2391	2400	2407	rBV	242464	354840	16.31%	4.615%
10	19.810	2839	2846	2854	rBV	1723358	2175065	100.00%	28.287%
11	21.408	3112	3118	3127	rBV	243946	383387	17.63%	4.986%
12	24.387	3615	3625	3635	rBV2	145265	384523	17.68%	5.001%

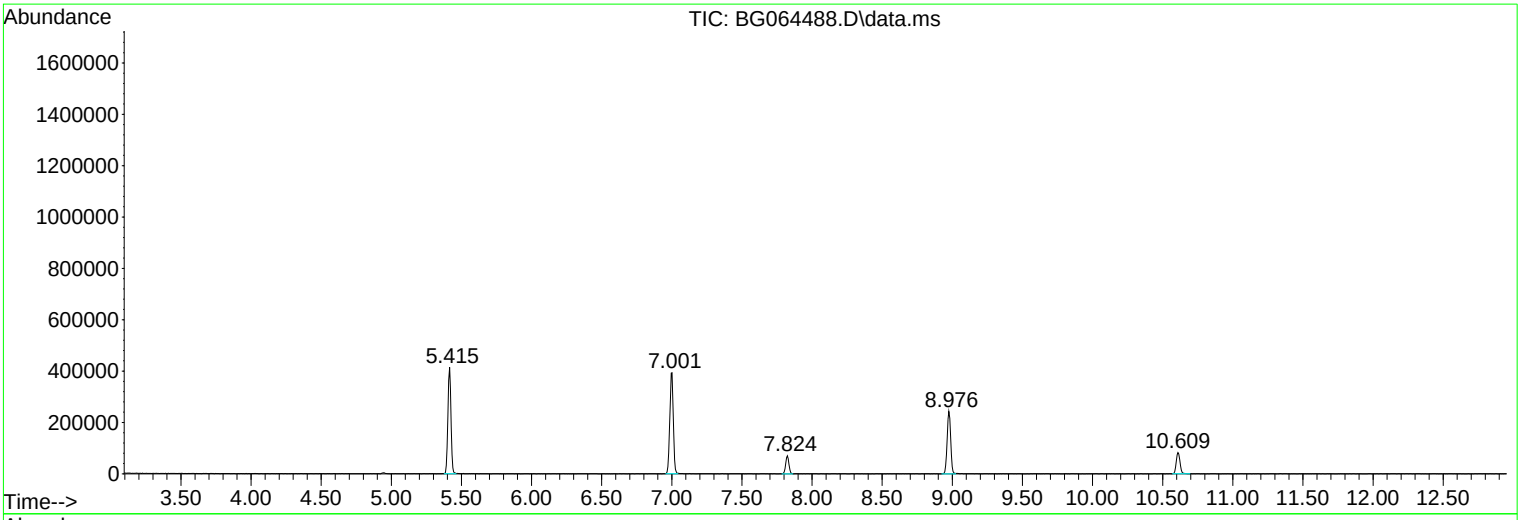
Sum of corrected areas: 7689236

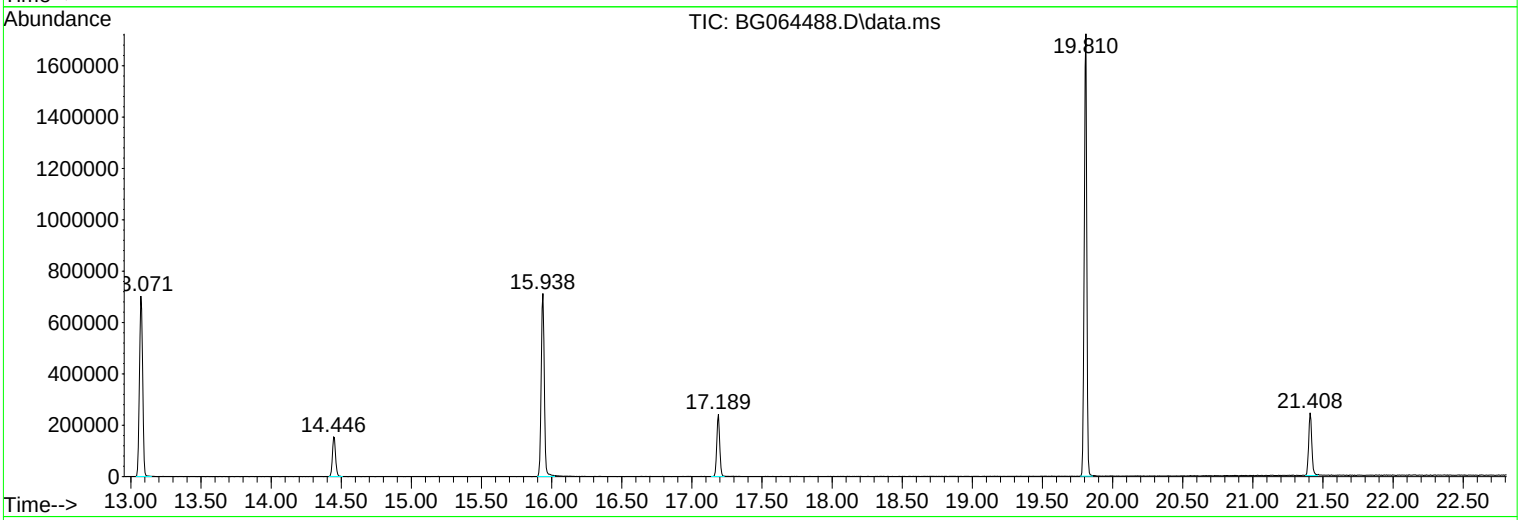
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100325\
Data File : BG064488.D
Acq On : 3 Oct 2025 15:35
Operator : RC/JU
Sample : PB169973BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

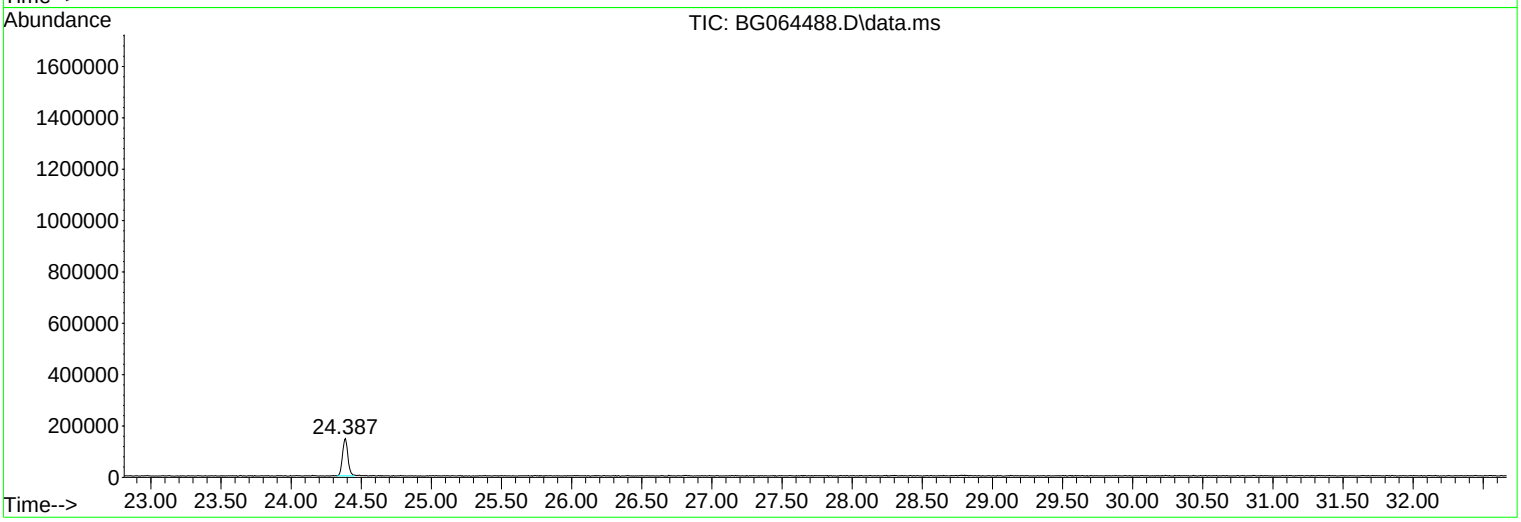
Instrument :
BNA_G
ClientSampleId :
PB169973BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P







Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100325\
Data File : BG064488.D
Acq On : 3 Oct 2025 15:35
Operator : RC/JU
Sample : PB169973BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB169973BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100325\
Data File : BG064488.D
Acq On : 3 Oct 2025 15:35
Operator : RC/JU
Sample : PB169973BL
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
PB169973BL

Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100325\
Data File : BG064489.D
Acq On : 3 Oct 2025 16:16
Operator : RC/JU
Sample : PB169973BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 03 17:29:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
PB169973BS

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/06/2025
Supervised By :Jagrut Upadhyay 10/06/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.823	152	16264	20.000	ng		# 0.00
21) Naphthalene-d8	10.608	136	69209	20.000	ng		# 0.00
39) Acenaphthene-d10	14.450	164	53762	20.000	ng		0.00
64) Phenanthrene-d10	17.188	188	136086	20.000	ng		0.00
76) Chrysene-d12	21.413	240	136322	20.000	ng		0.00
86) Perylene-d12	24.391	264	146226	20.000	ng		0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.414	112	138141	157.191	ng		0.00
7) Phenol-d6	7.000	99	180394	152.750	ng		0.01
23) Nitrobenzene-d5	8.980	82	121407	94.324	ng		0.01
42) 2,4,6-Tribromophenol	15.943	330	145062	148.856	ng		0.00
45) 2-Fluorobiphenyl	13.075	172	334812	91.796	ng		0.00
79) Terphenyl-d14	19.809	244	701104	97.331	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.316	88	13173	37.896	ng		93
3) Pyridine	3.710	79	35965	38.498	ng		96
4) n-Nitrosodimethylamine	3.628	42	35975	53.120	ng	#	94
6) Aniline	7.153	93	54677	36.704	ng		95
8) 2-Chlorophenol	7.394	128	55732	51.645	ng		95
9) Benzaldehyde	6.959	77	27733	26.454	ng		97
10) Phenol	7.024	94	66374	53.277	ng		94
11) bis(2-Chloroethyl)ether	7.247	93	41708	49.435	ng		93
12) 1,3-Dichlorobenzene	7.711	146	59993	50.820	ng		93
13) 1,4-Dichlorobenzene	7.858	146	60392	50.973	ng		94
14) 1,2-Dichlorobenzene	8.175	146	60785	52.056	ng		99
15) Benzyl Alcohol	8.064	79	58102	53.422	ng		93
16) 2,2'-oxybis(1-Chloropr...	8.346	45	67381	49.546	ng		97
17) 2-Methylphenol	8.269	107	47294	52.425	ng		98
18) Hexachloroethane	8.904	117	23005	49.193	ng		93
19) n-Nitroso-di-n-propyla...	8.628	70	40266	50.981	ng	#	93
20) 3+4-Methylphenols	8.592	107	67040	53.253	ng		93
22) Acetophenone	8.645	105	95591	57.044	ng	#	98
24) Nitrobenzene	9.021	77	65082	50.705	ng		99
25) Isophorone	9.544	82	112788	48.371	ng		99
26) 2-Nitrophenol	9.726	139	31396	49.147	ng		93
27) 2,4-Dimethylphenol	9.791	122	56577	57.985	ng		89
28) bis(2-Chloroethoxy)met...	10.026	93	59992	50.474	ng		95
29) 2,4-Dichlorophenol	10.261	162	63008	55.844	ng		91
30) 1,2,4-Trichlorobenzene	10.478	180	65847	53.523	ng	#	94
31) Naphthalene	10.661	128	180768	50.722	ng		98
32) Benzoic acid	9.967	122	46416m	61.961	ng		
33) 4-Chloroaniline	10.772	127	25770	18.843	ng	#	91
34) Hexachlorobutadiene	10.954	225	51772	49.138	ng		97
35) Caprolactam	11.542	113	20070m	51.960	ng		
36) 4-Chloro-3-methylphenol	11.900	107	73890	53.851	ng		100
37) 2-Methylnaphthalene	12.270	142	126325	46.176	ng		98
38) 1-Methylnaphthalene	12.494	142	131440	48.184	ng		95
40) 1,2,4,5-Tetrachloroben...	12.641	216	94170	54.249	ng	#	96
41) Hexachlorocyclopentadiene	12.623	237	132704	146.146	ng		94
43) 2,4,6-Trichlorophenol	12.881	196	59397	53.526	ng		96

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100325\
Data File : BG064489.D
Acq On : 3 Oct 2025 16:16
Operator : RC/JU
Sample : PB169973BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 03 17:29:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
PB169973BS

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/06/2025
Supervised By :Jagrut Upadhyay 10/06/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.952	196	67385	54.393	ng		96
46) 1,1'-Biphenyl	13.287	154	218091	56.402	ng		98
47) 2-Chloronaphthalene	13.322	162	144673	50.112	ng		98
48) 2-Nitroaniline	13.528	65	52229	53.007	ng		91
49) Acenaphthylene	14.174	152	248338	57.947	ng		99
50) Dimethylphthalate	13.910	163	219320	52.087	ng		98
51) 2,6-Dinitrotoluene	14.027	165	46526	53.043	ng		93
52) Acenaphthene	14.515	154	148370	49.831	ng		98
53) 3-Nitroaniline	14.356	138	24285	30.021	ng	#	90
54) 2,4-Dinitrophenol	14.568	184	60734	95.491	ng	#	84
55) Dibenzofuran	14.850	168	252708	51.403	ng		99
56) 4-Nitrophenol	14.679	139	70603	110.857	ng		86
57) 2,4-Dinitrotoluene	14.814	165	70046	52.240	ng	#	91
58) Fluorene	15.496	166	212852	52.080	ng		98
59) 2,3,4,6-Tetrachlorophenol	15.079	232	69146m	54.690	ng		
60) Diethylphthalate	15.279	149	233804	51.761	ng		99
61) 4-Chlorophenyl-phenyle...	15.496	204	112399	50.374	ng		98
62) 4-Nitroaniline	15.525	138	45131	53.529	ng		92
63) Azobenzene	15.784	77	183158	52.357	ng		98
65) 4,6-Dinitro-2-methylph...	15.578	198	48834	51.538	ng		96
66) n-Nitrosodiphenylamine	15.708	169	190210	52.341	ng		96
67) 4-Bromophenyl-phenylether	16.383	248	81751	51.049	ng		92
68) Hexachlorobenzene	16.501	284	93070	50.789	ng		98
69) Atrazine	16.659	200	88975	55.031	ng		99
70) Pentachlorophenol	16.847	266	114041	106.438	ng		98
71) Phenanthrene	17.235	178	367467	51.635	ng		99
72) Anthracene	17.323	178	378287	52.985	ng		99
73) Carbazole	17.594	167	328133	53.172	ng		98
74) Di-n-butylphthalate	18.158	149	396056	52.573	ng		99
75) Fluoranthene	19.245	202	442925	52.097	ng		98
77) Benzidine	19.427	184	112790	33.250	ng		97
78) Pyrene	19.603	202	457350	51.696	ng		98
80) Butylbenzylphthalate	20.502	149	165515	52.777	ng		97
81) Benzo(a)anthracene	21.395	228	448603	51.538	ng		98
82) 3,3'-Dichlorobenzidine	21.319	252	90148	30.600	ng		98
83) Chrysene	21.460	228	423453	51.298	ng		97
84) Bis(2-ethylhexyl)phtha...	21.319	149	233098	52.679	ng		99
85) Di-n-octyl phthalate	22.441	149	386957	52.033	ng		99
87) Indeno(1,2,3-cd)pyrene	27.746	276	548210	53.861	ng		98
88) Benzo(b)fluoranthene	23.451	252	450951	54.209	ng		98
89) Benzo(k)fluoranthene	23.516	252	433743	51.769	ng		97
90) Benzo(a)pyrene	24.256	252	420603	54.860	ng		99
91) Dibenzo(a,h)anthracene	27.799	278	449110	55.175	ng		97
92) Benzo(g,h,i)perylene	28.792	276	433026	54.744	ng		97

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

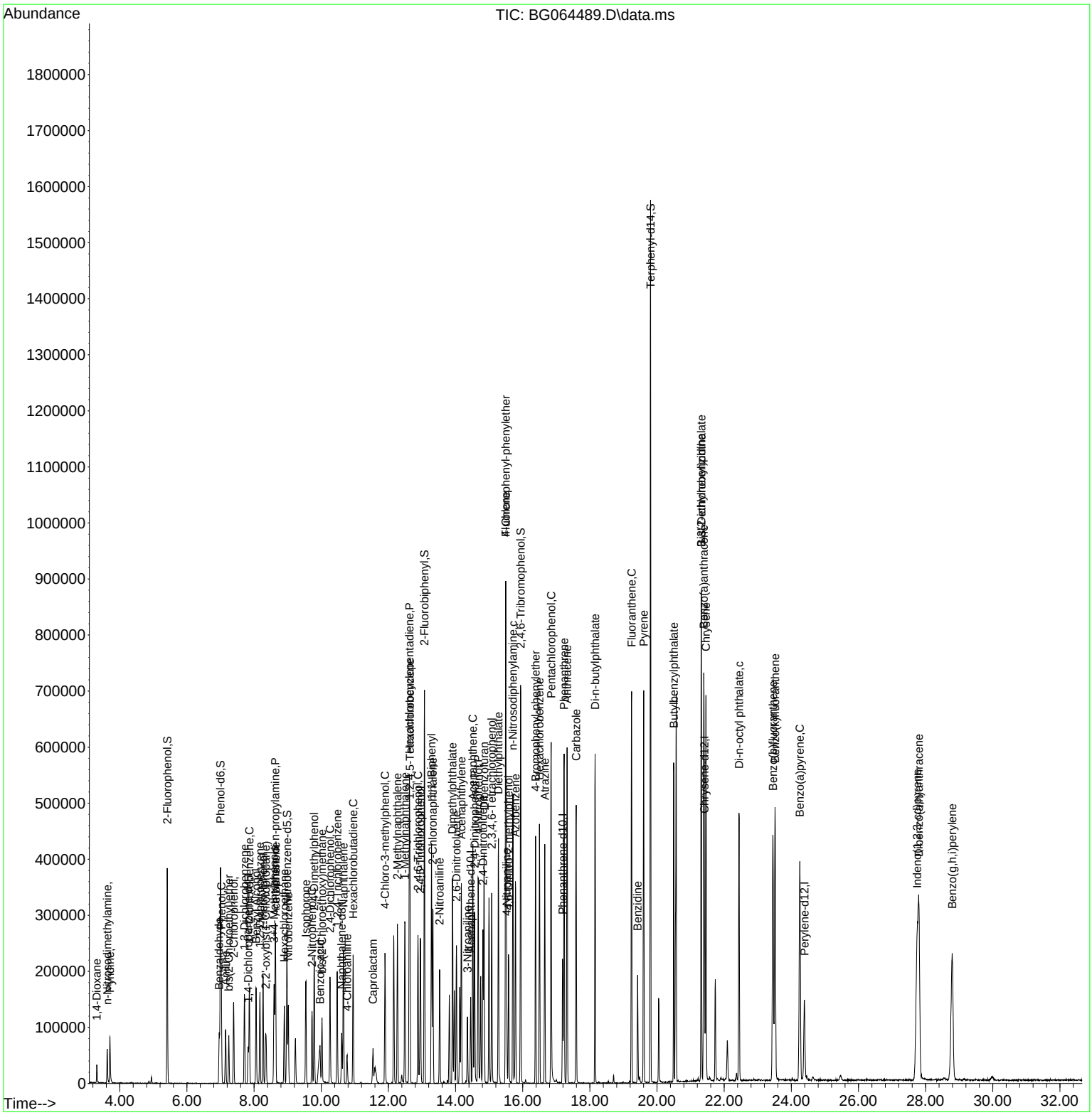
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100325\
Data File : BG064489.D
Acq On : 3 Oct 2025 16:16
Operator : RC/JU
Sample : PB169973BS
Misc :
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 03 17:29:58 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
PB169973BS

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/06/2025
Supervised By :Jagrut Upadhyay 10/06/2025



Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100325\
Data File : BG064490.D
Acq On : 3 Oct 2025 16:57
Operator : RC/JU
Sample : PB169973BSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 03 17:39:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
PB169973BSD

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/06/2025
Supervised By :Jagrut Upadhyay 10/06/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) 1,4-Dichlorobenzene-d4	7.825	152	15312	20.000	ng		0.00
21) Naphthalene-d8	10.610	136	68886	20.000	ng	#	0.00
39) Acenaphthene-d10	14.453	164	53563	20.000	ng		0.00
64) Phenanthrene-d10	17.191	188	138632	20.000	ng	#	0.00
76) Chrysene-d12	21.415	240	141515	20.000	ng		0.00
86) Perylene-d12	24.388	264	151583	20.000	ng	#	0.00
System Monitoring Compounds							
5) 2-Fluorophenol	5.416	112	134466	162.522	ng		0.01
7) Phenol-d6	7.003	99	172569	155.209	ng		0.02
23) Nitrobenzene-d5	8.977	82	117218	91.496	ng		0.01
42) 2,4,6-Tribromophenol	15.939	330	140210	144.412	ng		0.00
45) 2-Fluorobiphenyl	13.072	172	328094	90.288	ng		0.00
79) Terphenyl-d14	19.805	244	721842	96.533	ng		0.00
Target Compounds							Qvalue
2) 1,4-Dioxane	3.319	88	13298	40.634	ng	#	92
3) Pyridine	3.706	79	34946	39.733	ng		94
4) n-Nitrosodimethylamine	3.624	42	31964	50.132	ng		87
6) Aniline	7.149	93	48523	34.598	ng		97
8) 2-Chlorophenol	7.390	128	56075	55.194	ng		98
9) Benzaldehyde	6.961	77	25788	26.128	ng		91
10) Phenol	7.026	94	64826	55.269	ng		98
11) bis(2-Chloroethyl)ether	7.249	93	39465	49.685	ng		95
12) 1,3-Dichlorobenzene	7.713	146	55884	50.283	ng		98
13) 1,4-Dichlorobenzene	7.860	146	59496	53.339	ng		91
14) 1,2-Dichlorobenzene	8.172	146	55839	50.794	ng		96
15) Benzyl Alcohol	8.060	79	55796	54.492	ng		90
16) 2,2'-oxybis(1-Chloropr...	8.348	45	61797	48.266	ng		98
17) 2-Methylphenol	8.272	107	46672	54.952	ng		98
18) Hexachloroethane	8.900	117	21715	49.321	ng		92
19) n-Nitroso-di-n-propyla...	8.624	70	38963	52.398	ng		97
20) 3+4-Methylphenols	8.595	107	65493	55.259	ng		93
22) Acetophenone	8.642	105	91544	54.885	ng	#	96
24) Nitrobenzene	9.018	77	60821	47.607	ng		96
25) Isophorone	9.541	82	110698	47.697	ng		98
26) 2-Nitrophenol	9.729	139	30795	48.432	ng		97
27) 2,4-Dimethylphenol	9.793	122	55310	56.953	ng		95
28) bis(2-Chloroethoxy)met...	10.023	93	58363	49.333	ng		97
29) 2,4-Dichlorophenol	10.263	162	59120	52.643	ng		96
30) 1,2,4-Trichlorobenzene	10.475	180	61294	50.056	ng		98
31) Naphthalene	10.663	128	171886	48.456	ng		99
32) Benzoic acid	9.958	122	44961m	60.300	ng		
33) 4-Chloroaniline	10.769	127	20695	15.203	ng	#	97
34) Hexachlorobutadiene	10.951	225	49245	46.959	ng		99
35) Caprolactam	11.538	113	19269m	50.120	ng		
36) 4-Chloro-3-methylphenol	11.903	107	70424	51.566	ng		97
37) 2-Methylnaphthalene	12.273	142	121185	44.505	ng		98
38) 1-Methylnaphthalene	12.490	142	126687	46.659	ng		100
40) 1,2,4,5-Tetrachloroben...	12.643	216	92935	53.737	ng		98
41) Hexachlorocyclopentadiene	12.625	237	123269	136.260	ng		94
43) 2,4,6-Trichlorophenol	12.884	196	57388	51.908	ng		99

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100325\
Data File : BG064490.D
Acq On : 3 Oct 2025 16:57
Operator : RC/JU
Sample : PB169973BSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 03 17:39:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
PB169973BSD

Manual Integrations APPROVED
Reviewed By :Rahul Chavli 10/06/2025
Supervised By :Jagrut Upadhyay 10/06/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
44) 2,4,5-Trichlorophenol	12.954	196	60489	49.008	ng		95
46) 1,1'-Biphenyl	13.283	154	204884	53.183	ng		99
47) 2-Chloronaphthalene	13.325	162	136452	47.440	ng		96
48) 2-Nitroaniline	13.530	65	49637	50.563	ng		96
49) Acenaphthylene	14.171	152	236815	55.463	ng		99
50) Dimethylphthalate	13.912	163	203802	48.581	ng		97
51) 2,6-Dinitrotoluene	14.024	165	43905	50.241	ng		95
52) Acenaphthene	14.517	154	140204	47.264	ng		95
53) 3-Nitroaniline	14.353	138	21048	26.116	ng		93
54) 2,4-Dinitrophenol	14.564	184	60905	96.115	ng		86
55) Dibenzofuran	14.852	168	239756	48.950	ng		99
56) 4-Nitrophenol	14.676	139	70541	111.171	ng		97
57) 2,4-Dinitrotoluene	14.817	165	71035	53.174	ng		99
58) Fluorene	15.498	166	204659	50.261	ng		98
59) 2,3,4,6-Tetrachlorophenol	15.081	232	68433	54.327	ng		98
60) Diethylphthalate	15.275	149	222549	49.452	ng	#	97
61) 4-Chlorophenyl-phenyle...	15.493	204	106708	48.001	ng		96
62) 4-Nitroaniline	15.522	138	43915	52.280	ng		89
63) Azobenzene	15.786	77	173819	49.872	ng		96
65) 4,6-Dinitro-2-methylph...	15.581	198	46256	47.921	ng		97
66) n-Nitrosodiphenylamine	15.710	169	182340	49.254	ng		93
67) 4-Bromophenyl-phenylether	16.386	248	78451	48.089	ng		90
68) Hexachlorobenzene	16.503	284	91352	48.936	ng		98
69) Atrazine	16.656	200	87001	52.822	ng		95
70) Pentachlorophenol	16.850	266	109925	100.712	ng		100
71) Phenanthrene	17.232	178	352360	48.603	ng		97
72) Anthracene	17.326	178	362889	49.895	ng		98
73) Carbazole	17.590	167	327423	52.082	ng		99
74) Di-n-butylphthalate	18.154	149	396998	51.730	ng		100
75) Fluoranthene	19.241	202	441298	50.952	ng		99
77) Benzidine	19.423	184	100027	28.405	ng		96
78) Pyrene	19.605	202	454934	49.536	ng		98
80) Butylbenzylphthalate	20.498	149	165196	50.742	ng		99
81) Benzo(a)anthracene	21.397	228	451659	49.985	ng		99
82) 3,3'-Dichlorobenzidine	21.321	252	83367	27.260	ng	#	96
83) Chrysene	21.456	228	424681	49.559	ng		96
84) Bis(2-ethylhexyl)phtha...	21.321	149	234171	50.979	ng		100
85) Di-n-octyl phthalate	22.443	149	388583	50.334	ng		99
87) Indeno(1,2,3-cd)pyrene	27.743	276	540606	51.237	ng	#	97
88) Benzo(b)fluoranthene	23.454	252	434847	50.425	ng		99
89) Benzo(k)fluoranthene	23.513	252	449174	51.716	ng		100
90) Benzo(a)pyrene	24.253	252	423237	53.252	ng		97
91) Dibenzo(a,h)anthracene	27.796	278	442427	52.434	ng		98
92) Benzo(g,h,i)perylene	28.789	276	432535	52.749	ng		98

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

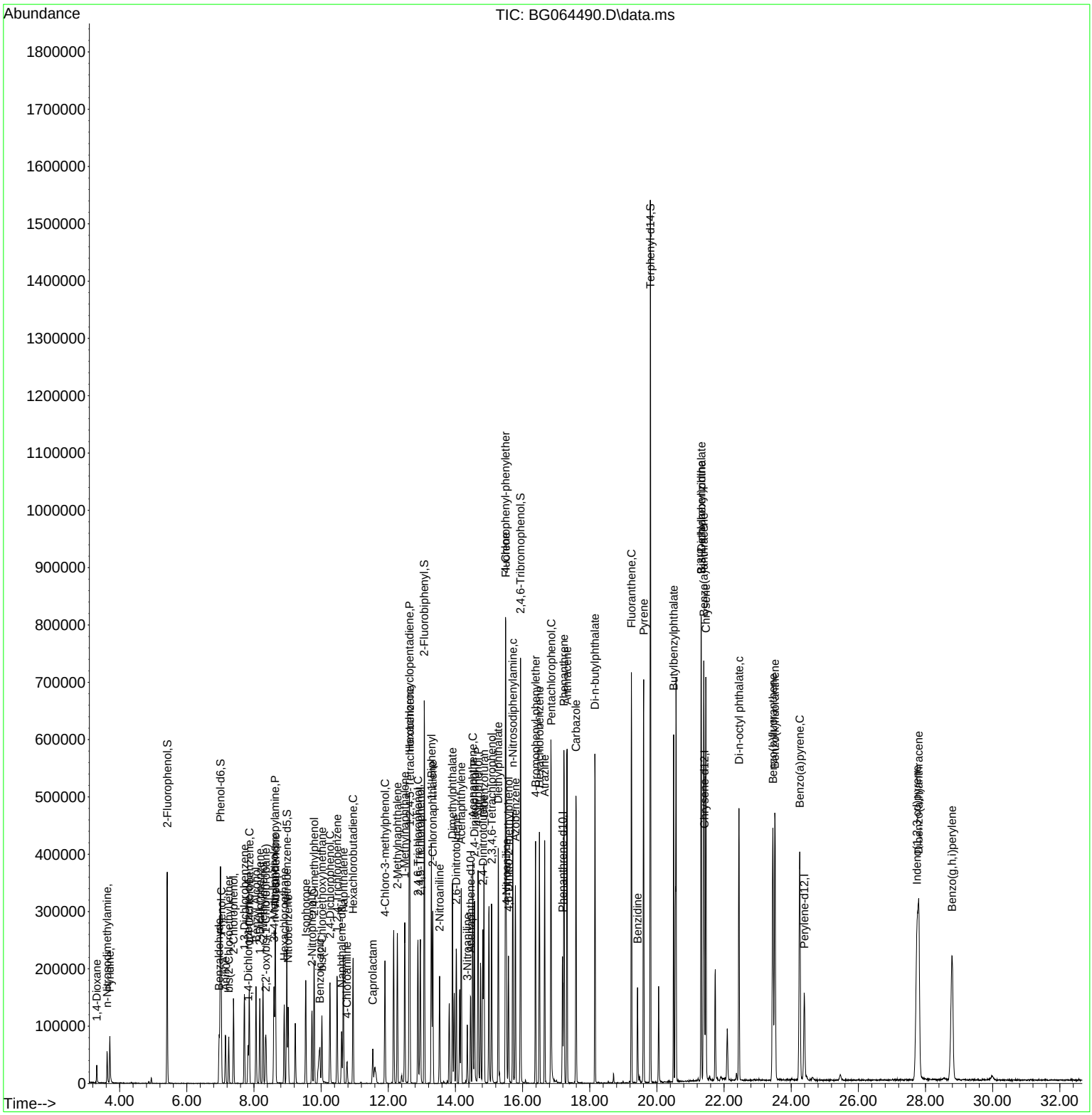
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100325\
Data File : BG064490.D
Acq On : 3 Oct 2025 16:57
Operator : RC/JU
Sample : PB169973BSD
Misc :
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Oct 03 17:39:14 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100225.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Oct 02 16:40:42 2025
Response via : Initial Calibration

Instrument :
BNA_G
ClientSampleId :
PB169973BSD

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 10/06/2025
Supervised By :Jagrut Upadhyay 10/06/2025



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

Manual Integration Report

Sequence:	BG100225	Instrument	BNA_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDICC005	BG064474.D	Anthracene	Rahul	10/3/2025 8:37:57 AM	Jagrut	10/3/2025 3:25:00 PM	Peak Integrated by Software
SSTDICC005	BG064474.D	Benzo(b)fluoranthene	Rahul	10/3/2025 8:37:57 AM	Jagrut	10/3/2025 3:25:00 PM	Peak Integrated by Software
SSTDICC020	BG064476.D	1-Methylnaphthalene	Rahul	10/3/2025 8:38:04 AM	Jagrut	10/3/2025 3:25:05 PM	Peak Integrated by Software
SSTDICC020	BG064476.D	Benzaldehyde	Rahul	10/3/2025 8:38:04 AM	Jagrut	10/3/2025 3:25:05 PM	Peak Integrated by Software
SSTDICC020	BG064476.D	Benzoic acid	Rahul	10/3/2025 8:38:04 AM	Jagrut	10/3/2025 3:25:05 PM	Peak Integrated by Software
SSTDICCC040	BG064477.D	Benzaldehyde	Rahul	10/3/2025 8:38:08 AM	Jagrut	10/3/2025 3:25:08 PM	Peak Integrated by Software
SSTDICCC040	BG064477.D	Benzoic acid	Rahul	10/3/2025 8:38:08 AM	Jagrut	10/3/2025 3:25:08 PM	Peak Integrated by Software
SSTDICC050	BG064478.D	Benzoic acid	Rahul	10/3/2025 8:38:10 AM	Jagrut	10/3/2025 3:25:09 PM	Peak Integrated by Software
SSTDICC060	BG064479.D	Benzoic acid	Rahul	10/3/2025 8:38:13 AM	Jagrut	10/3/2025 3:25:12 PM	Peak Integrated by Software
SSTDICC080	BG064480.D	Benzoic acid	Rahul	10/3/2025 8:38:15 AM	Jagrut	10/3/2025 3:25:14 PM	Peak Integrated by Software
SSTDICC010	BG064481.D	Benzoic acid	Rahul	10/3/2025 8:38:18 AM	Jagrut	10/3/2025 3:25:20 PM	Peak Integrated by Software
SSTDICV040	BG064482.D	Benzoic acid	Rahul	10/3/2025 8:38:21 AM	Jagrut	10/3/2025 3:25:22 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	BG100225	Instrument	BNA_g

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:	BG100325	Instrument	BNA_g

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
SSTDCCC040	BG064485.D	1-Methylnaphthalene	Rahul	10/6/2025 4:14:13 PM	Jagrut	10/6/2025 4:23:08 PM	Peak Integrated by Software
SSTDCCC040	BG064485.D	Benzaldehyde	Rahul	10/6/2025 4:14:13 PM	Jagrut	10/6/2025 4:23:08 PM	Peak Integrated by Software
SSTDCCC040	BG064485.D	Benzoic acid	Rahul	10/6/2025 4:14:13 PM	Jagrut	10/6/2025 4:23:08 PM	Peak Integrated by Software
PB169973BS	BG064489.D	2,3,4,6-Tetrachlorophenol	Rahul	10/6/2025 4:14:18 PM	Jagrut	10/6/2025 4:23:13 PM	Peak Integrated by Software
PB169973BS	BG064489.D	Benzoic acid	Rahul	10/6/2025 4:14:18 PM	Jagrut	10/6/2025 4:23:13 PM	Peak Integrated by Software
PB169973BS	BG064489.D	Caprolactam	Rahul	10/6/2025 4:14:18 PM	Jagrut	10/6/2025 4:23:13 PM	Peak Integrated by Software
PB169973BSD	BG064490.D	Benzoic acid	Rahul	10/6/2025 4:14:20 PM	Jagrut	10/6/2025 4:23:34 PM	Peak Integrated by Software
PB169973BSD	BG064490.D	Caprolactam	Rahul	10/6/2025 4:14:20 PM	Jagrut	10/6/2025 4:23:34 PM	Peak Integrated by Software

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

Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch ID # BG100225

Review By	Rahul	Review On	10/3/2025 8:38:44 AM		
Supervise By	Jagrut	Supervise On	10/3/2025 3:25:38 PM		
SubDirectory	BG100225	HP Acquire Method	BNA_G	HP Processing Method	bg100225

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13176,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BG064472.D	2 Oct 2025 8:21	RC/JU	Ok
2	SSTDICC2.5	BG064473.D	2 Oct 2025 9:01	RC/JU	Ok
3	SSTDICC005	BG064474.D	2 Oct 2025 9:42	RC/JU	Ok,M
4	SSTDICC010	BG064475.D	2 Oct 2025 10:53	RC/JU	Not Ok
5	SSTDICC020	BG064476.D	2 Oct 2025 11:33	RC/JU	Ok,M
6	SSTDICCC040	BG064477.D	2 Oct 2025 12:14	RC/JU	Ok,M
7	SSTDICC050	BG064478.D	2 Oct 2025 12:55	RC/JU	Ok,M
8	SSTDICC060	BG064479.D	2 Oct 2025 13:35	RC/JU	Ok,M
9	SSTDICC080	BG064480.D	2 Oct 2025 14:16	RC/JU	Ok,M
10	SSTDICC010	BG064481.D	2 Oct 2025 15:49	RC/JU	Ok,M
11	SSTDICV040	BG064482.D	2 Oct 2025 18:09	RC/JU	Ok,M
12	PB169936BL	BG064483.D	2 Oct 2025 18:50	RC/JU	Not Ok

M : Manual Integration

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

Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch ID # BG100325

Review By	Rahul	Review On	10/6/2025 4:14:36 PM		
Supervise By	Jagrut	Supervise On	10/6/2025 4:23:45 PM		
SubDirectory	BG100325	HP Acquire Method	BNA_G	HP Processing Method	bg100225

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13177,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	DFTPP	BG064484.D	3 Oct 2025 12:52	RC/JU	Ok
2	SSTDCCC040	BG064485.D	3 Oct 2025 13:33	RC/JU	Ok,M
3	PB169969BL	BG064486.D	3 Oct 2025 14:13	RC/JU	Ok
4	PB169969BS	BG064487.D	3 Oct 2025 14:54	RC/JU	Ok,M
5	PB169973BL	BG064488.D	3 Oct 2025 15:35	RC/JU	Ok
6	PB169973BS	BG064489.D	3 Oct 2025 16:16	RC/JU	Ok,M
7	PB169973BSD	BG064490.D	3 Oct 2025 16:57	RC/JU	Ok,M
8	Q3263-01	BG064491.D	3 Oct 2025 17:38	RC/JU	Ok
9	Q3263-02	BG064492.D	3 Oct 2025 18:19	RC/JU	Ok
10	Q3273-01	BG064493.D	3 Oct 2025 18:59	RC/JU	Ok
11	Q3274-01	BG064494.D	3 Oct 2025 19:40	RC/JU	Ok
12	Q3272-06	BG064495.D	3 Oct 2025 20:21	RC/JU	Ok

M : Manual Integration

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

Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch ID # BG100225

Review By	Rahul	Review On	10/3/2025 8:38:44 AM		
Supervise By	Jagrut	Supervise On	10/3/2025 3:25:38 PM		
SubDirectory	BG100225	HP Acquire Method	BNA_G	HP Processing Method	bg100225

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13176,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BG064472.D	2 Oct 2025 8:21		RC/JU	Ok
2	SSTDICC2.5	SSTDICC2.5	BG064473.D	2 Oct 2025 9:01		RC/JU	Ok
3	SSTDICC005	SSTDICC005	BG064474.D	2 Oct 2025 9:42		RC/JU	Ok,M
4	SSTDICC010	SSTDICC010	BG064475.D	2 Oct 2025 10:53	Not Used	RC/JU	Not Ok
5	SSTDICC020	SSTDICC020	BG064476.D	2 Oct 2025 11:33		RC/JU	Ok,M
6	SSTDICCC040	SSTDICCC040	BG064477.D	2 Oct 2025 12:14	Compound failed in the calibration. #77	RC/JU	Ok,M
7	SSTDICC050	SSTDICC050	BG064478.D	2 Oct 2025 12:55		RC/JU	Ok,M
8	SSTDICC060	SSTDICC060	BG064479.D	2 Oct 2025 13:35		RC/JU	Ok,M
9	SSTDICC080	SSTDICC080	BG064480.D	2 Oct 2025 14:16		RC/JU	Ok,M
10	SSTDICC010	SSTDICC010	BG064481.D	2 Oct 2025 15:49		RC/JU	Ok,M
11	SSTDICV040	ICVBG100225	BG064482.D	2 Oct 2025 18:09		RC/JU	Ok,M
12	PB169936BL	PB169936BL	BG064483.D	2 Oct 2025 18:50	Surrogate Fail	RC/JU	Not Ok

M : Manual Integration

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

Instrument ID: BNA_G

Daily Analysis Runlog For Sequence/QCBatch ID # BG100325

Review By	Rahul	Review On	10/6/2025 4:14:36 PM		
Supervise By	Jagrut	Supervise On	10/6/2025 4:23:45 PM		
SubDirectory	BG100325	HP Acquire Method	BNA_G	HP Processing Method	bg100225

STD. NAME	STD REF.#
Tune/Reschk	SP6875
Initial Calibration Stds	SP6857,SP6858,SP6859,SP6860,SP6861,SP6862,SP6863,SP6864
CCC	SP6860
Internal Standard/PEM	S13177,10ul/1000ul sample
ICV/I.BLK	SP6872
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	DFTPP	DFTPP	BG064484.D	3 Oct 2025 12:52		RC/JU	Ok
2	SSTDCCC040	SSTDCCC040	BG064485.D	3 Oct 2025 13:33		RC/JU	Ok,M
3	PB169969BL	PB169969BL	BG064486.D	3 Oct 2025 14:13		RC/JU	Ok
4	PB169969BS	PB169969BS	BG064487.D	3 Oct 2025 14:54		RC/JU	Ok,M
5	PB169973BL	PB169973BL	BG064488.D	3 Oct 2025 15:35		RC/JU	Ok
6	PB169973BS	PB169973BS	BG064489.D	3 Oct 2025 16:16		RC/JU	Ok,M
7	PB169973BSD	PB169973BSD	BG064490.D	3 Oct 2025 16:57		RC/JU	Ok,M
8	Q3263-01	251818	BG064491.D	3 Oct 2025 17:38		RC/JU	Ok
9	Q3263-02	266380	BG064492.D	3 Oct 2025 18:19		RC/JU	Ok
10	Q3273-01	MW1	BG064493.D	3 Oct 2025 18:59		RC/JU	Ok
11	Q3274-01	MW4	BG064494.D	3 Oct 2025 19:40		RC/JU	Ok
12	Q3272-06	RT5417-CONCRETE	BG064495.D	3 Oct 2025 20:21		RC/JU	Ok

M : Manual Integration

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PB169973

SOP ID: M3510C,3580A-Extraction SVOC-21

Clean Up SOP #: N/A

Matrix : Water

Weigh By: N/A

Balance check: N/A

Balance ID: N/A

pH Strip Lot#: E3953

Extraction By: RJ

Filter By: RJ

pH Meter ID: N/A

Hood ID: 4,6,7

Extraction Start Date : 10/03/2025

Extraction Start Time : 08:35

Extraction End Date : 10/03/2025

Extraction End Time : 13:45

Concentration By: EH

Supervisor By : ritesh

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	50/100 PPM	SP6865
Surrogate	1.0ML	100/150 PPM	SP6869
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	E3973
Baked Na2SO4	N/A	EP2646
H2SO4 1:1	N/A	EP2610
10N NaoH	N/A	EP2609
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
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

pH Adjusted to < 2 with 1:1 H2SO4 & >12 with 10N NaOH, 1.5ML Vial Lot # 2210443.

KD Bath ID: WATER BATH-1,2

KD Bath Temperature: 60 °C

Envap ID: NE VAP-02

Envap Temperature: 40 °C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
10/03/25	RJ CEH-(ce6)	RC/SVOC
13:50	**Preparation Group**	**Analysis Group**

Alliance TECHNICAL GROUP

EXTRACTION LOGPAGE

PrepBatch ID : PB169973

Analytical Method: M3510C,3580A-Extraction SVOC-21

Concentration Date: 10/03/2025

Sample ID	Client Sample ID	Test	g / mL	PH	Surr/Spike By:		Final Vol. (mL)	JarID	Comments	Prep Pos
					AddedBy	VerifiedBy				
PB169973BL	SBLK973	SVOC-TCL BNA -20	1000	6	ritesh	Evelyn	1			SEP-1
PB169973BS	SLCS973	SVOC-TCL BNA -20	1000	6	ritesh	Evelyn	1			2
PB169973BSD	SLCSD973	SVOC-TCL BNA -20	1000	6	ritesh	Evelyn	1			3
Q3263-01	251818	SVOC-TCL BNA -20	1000	6	ritesh	Evelyn	1	N		4
Q3263-02	266380	SVOC-TCL BNA -20	1000	6	ritesh	Evelyn	1	O		5
Q3273-01	MW1	SVOC-TCL BNA -20	1000	6	ritesh	Evelyn	1	B		6
Q3274-01	MW4	SVOCMS Group1	1000	6	ritesh	Evelyn	1	C		7

RJ

10/03

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

Q3274 8:35

WORKLIST(Hardcopy Internal Chain)

WorkList Name : Q3273 **WorkList ID :** 192268 **Department :** Extraction **Date :** 10-03-2025 08:30:38

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q3263-01	251818	Water	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	D31	10/01/2025	8270E
Q3263-02	266380	Water	SVOC-TCL BNA -20	Cool 4 deg C	PSEG03	D31	10/01/2025	8270E
Q3273-01	MW1	Water	SVOC-TCL BNA -20	Cool 4 deg C	GENV01	D31	10/01/2025	8270E
Q3274-01	MW4	Water	SVOCMS Group1	Cool 4 deg C	GENV01	D41	10/01/2025	8270E

245 of 250

Date/Time 10/03/25 8:30
Raw Sample Received by: RJ (ESA-lab)
Raw Sample Relinquished by:

Date/Time 10/03/25 9:00
Raw Sample Received by:
Raw Sample Relinquished by: RJ (ESA-lab)

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

LAB CHRONICLE

OrderID:	Q3274	**OrderDate:**	10/2/2025 3:37:00 PM
Client:	G Environmental	**Project:**	ANN
Contact:	Gary Landis	**Location:**	D41,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3274-01	**MW4**	**Water**			**10/01/25**			**10/02/25**
			SVOCMS Group1	8270E		10/03/25	10/03/25	

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP

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

ALLIANCE PROJECT NO.
QUOTE NO. Q3274
COC Number 2047918

7
7.1

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: G ENVIRONMENTAL
ADDRESS: 8 CARRIAGE
CITY SUCCASUNNA STATE NJ ZIP:
ATTENTION:
PHONE: FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: ANN
PROJECT NO.: LOCATION:
PROJECT MANAGER: SV
e-mail:
PHONE: FAX:

CLIENT BILLING INFORMATION

BILL TO: G ENVIRONMENTAL PO#:
ADDRESS: 8 CARRIAGE
CITY SUCCASUNNA STATE: NJ ZIP: 07876
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX (RUSH) _____ DAYS*
HARDCOPY (DATA PACKAGE): Standard DAYS*
EDD: _____ DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

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

ANALYSIS

1: TCL VOCs
2: TCL BNAs (NO phenols)
3: (NO SIMS)
4
5
6
7
8
9

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
									HCl								← Specify Preservatives A-HCl D-NaOH B-HN03 E-ICE C-H2SO4 F-OTHER
1.	MW4	GW		X	10/1/25	1350	4		X	X							
2.	MW5	GW		X	10/1/25	1430	2		X	X							
3.																	
4.																	
5.																	
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.	10/2/25 1540	1.
2.	DATE/TIME:	2.
3.	DATE/TIME:	3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 2.1 °C
Comments: LP Grp #1

Page _____ of

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

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

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

Laboratory Certification

Certified By	License No.
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255425
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	TX-C25-00189
Virginia	460312

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3274 GENV01
Client Name : G Environmental
Client Contact : Gary Landis
Invoice Name : G Environmental
Invoice Contact : Gary Landis

Order Date : 10/2/2025 3:37:00 PM
Project Name : ANN
Receive DateTime : 10/2/2025 3:40:00 PM
Purchase Order :

Project Mgr :
Report Type : NJ Reduced
EDD Type : NJ HAZSITE
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q3274-01	MW4	Water	10/01/2025	13:50					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q3274-02	MW5	Water	10/01/2025	14:30					
					VOC-TCLVOA-10		8260D		10 Bus. Days

Relinguished By : CR
Date / Time : 10/2/25 1620

Received By : Sam
Date / Time : 10/03/25 8:10 Night 5

Storage Area : VOA Refridgerator Room