

## Cover Page

**Order ID :** Q2729

**Project ID :** Transfer Station-SPDES

**Client :** Tully Environmental, Inc

**Lab Sample Number**

Q2729-01  
Q2729-02

**Client Sample Number**

001 willets Pt Blvd(june)  
002 35th Ave(june)

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: 8/1/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

## 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:<br>(1) When estimating a concentration for a tentatively identified compound (library search hits, where a 1:1 response is assumed.)<br>(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 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

## APPENDIX A

### QA REVIEW GENERAL DOCUMENTATION

Project #: Q2729

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 Custody

✓

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: PRADIP PRAJAPATI

Date: 08/01/2025

## LAB CHRONICLE

|                 |                          |                   |                        |
|-----------------|--------------------------|-------------------|------------------------|
| <b>OrderID:</b> | Q2729                    | <b>OrderDate:</b> | 7/30/2025 12:23:00 PM  |
| <b>Client:</b>  | Tully Environmental, Inc | <b>Project:</b>   | Transfer Station-SPDES |
| <b>Contact:</b> | Dean Devoe               | <b>Location:</b>  | O21,VOA Lab            |

| LabID           | ClientID                         | Matrix       | Test     | Method | Sample Date     | Prep Date | Anal Date | Received        |
|-----------------|----------------------------------|--------------|----------|--------|-----------------|-----------|-----------|-----------------|
| <b>Q2729-01</b> | <b>001 willets Pt Blvd(june)</b> | <b>Water</b> |          |        | <b>07/29/25</b> |           |           | <b>07/30/25</b> |
|                 |                                  |              | VOC-BTEX | 624.1  |                 |           | 07/30/25  |                 |
| <b>Q2729-02</b> | <b>002 35th Ave(june)</b>        | <b>Water</b> |          |        | <b>07/29/25</b> |           |           | <b>07/30/25</b> |
|                 |                                  |              | VOC-BTEX | 624.1  |                 |           | 07/30/25  |                 |



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

**Hit Summary Sheet**  
**SW-846**

**SDG No.:** Q2729

**Client:** Tully Environmental, Inc

| Sample ID                     | Client ID                                                      | Matrix | Parameter                   | Concentration | C | MDL  | RDL  | Units |
|-------------------------------|----------------------------------------------------------------|--------|-----------------------------|---------------|---|------|------|-------|
| <b>Client ID:</b><br>Q2729-01 | <b>001 willets Pt Blvd(june)</b><br>001 willets Pt Blvd( Water |        | Toluene                     | 93.4          |   | 0.46 | 5.00 | ug/L  |
|                               |                                                                |        | <b>Total Voc :</b>          | 93.4          |   |      |      |       |
|                               |                                                                |        | <b>Total Concentration:</b> | 93.4          |   |      |      |       |
| <b>Client ID:</b><br>Q2729-02 | <b>002 35th Ave(june)</b><br>002 35th Ave(june) Water          |        | Toluene                     | 71.2          |   | 0.46 | 5.00 | ug/L  |
|                               |                                                                |        | <b>Total Voc :</b>          | 71.2          |   |      |      |       |
|                               |                                                                |        | <b>Total Concentration:</b> | 71.2          |   |      |      |       |



# QC SUMMARY

## Surrogate Summary

SDG No.: Q2729

Client: Tully Environmental, Inc

Analytical Method: SW624.1

| Lab Sample ID | Client ID                 | Parameter             | Spike | Result | Recovery (%) | Qual | Limits (%) |      |
|---------------|---------------------------|-----------------------|-------|--------|--------------|------|------------|------|
|               |                           |                       |       |        |              |      | Low        | High |
| Q2729-01      | 001 willets Pt Blvd(june) | 1,2-Dichloroethane-d4 | 30    | 30.9   | 103          |      | 91         | 110  |
|               |                           | Toluene-d8            | 30    | 30.6   | 102          |      | 91         | 112  |
|               |                           | 4-Bromofluorobenzene  | 30    | 27.2   | 91           |      | 63         | 112  |
| Q2729-02      | 002 35th Ave(june)        | 1,2-Dichloroethane-d4 | 30    | 32.3   | 108          |      | 91         | 110  |
|               |                           | Toluene-d8            | 30    | 30.8   | 103          |      | 91         | 112  |
|               |                           | 4-Bromofluorobenzene  | 30    | 27.8   | 93           |      | 63         | 112  |
| VN0730WBL01   | VN0730WBL01               | 1,2-Dichloroethane-d4 | 30    | 30.4   | 101          |      | 91         | 110  |
|               |                           | Toluene-d8            | 30    | 30.4   | 101          |      | 91         | 112  |
|               |                           | 4-Bromofluorobenzene  | 30    | 27.3   | 91           |      | 63         | 112  |
| VN0730WBS01   | VN0730WBS01               | 1,2-Dichloroethane-d4 | 30    | 31.1   | 104          |      | 91         | 110  |
|               |                           | Toluene-d8            | 30    | 30.1   | 100          |      | 91         | 112  |
|               |                           | 4-Bromofluorobenzene  | 30    | 28.7   | 96           |      | 63         | 112  |
| VN0730WBSD0   | VN0730WBSD01              | 1,2-Dichloroethane-d4 | 30    | 32.5   | 108          |      | 91         | 110  |
|               |                           | Toluene-d8            | 30    | 30.1   | 100          |      | 91         | 112  |
|               |                           | 4-Bromofluorobenzene  | 30    | 28.9   | 96           |      | 63         | 112  |

**Laboratory Control Sample/Laboratory Control Sample Duplicate Summary**

**SW-846**

|                 |                                 |                           |                   |
|-----------------|---------------------------------|---------------------------|-------------------|
| <b>SDG No.:</b> | <u>Q2729</u>                    | <b>Analytical Method:</b> | <u>SW624.1</u>    |
| <b>Client:</b>  | <u>Tully Environmental, Inc</u> | <b>Datafile :</b>         | <u>VN087438.D</u> |

| Lab Sample ID | Parameter     | Spike | Result | Unit | Rec | RPD | Qual | Low | Limits<br>High | RPD |
|---------------|---------------|-------|--------|------|-----|-----|------|-----|----------------|-----|
| VN0730WBS01   | Benzene       | 20    | 19.5   | ug/L | 98  |     |      | 65  | 135            |     |
|               | Toluene       | 20    | 19.1   | ug/L | 96  |     |      | 70  | 130            |     |
|               | Ethyl Benzene | 20    | 19.0   | ug/L | 95  |     |      | 60  | 140            |     |
|               | m/p-Xylenes   | 40    | 37.5   | ug/L | 94  |     |      | 87  | 111            |     |
|               | o-Xylene      | 20    | 19.3   | ug/L | 97  |     |      | 87  | 111            |     |

**Laboratory Control Sample/Laboratory Control Sample Duplicate Summary**

**SW-846**

|                 |                                 |                           |                   |
|-----------------|---------------------------------|---------------------------|-------------------|
| <b>SDG No.:</b> | <u>Q2729</u>                    | <b>Analytical Method:</b> | <u>SW624.1</u>    |
| <b>Client:</b>  | <u>Tully Environmental, Inc</u> | <b>Datafile :</b>         | <u>VN087439.D</u> |

| Lab Sample ID | Parameter     | Spike | Result | Unit | Rec | RPD | Qual | Low | Limits<br>High | RPD |
|---------------|---------------|-------|--------|------|-----|-----|------|-----|----------------|-----|
| VN0730WBSD01  | Benzene       | 20    | 19.2   | ug/L | 96  | 2   |      | 65  | 135            | 20  |
|               | Toluene       | 20    | 19.1   | ug/L | 96  | 0   |      | 70  | 130            | 20  |
|               | Ethyl Benzene | 20    | 19.2   | ug/L | 96  | 1   |      | 60  | 140            | 20  |
|               | m/p-Xylenes   | 40    | 38.0   | ug/L | 95  | 1   |      | 87  | 111            | 20  |
|               | o-Xylene      | 20    | 19.1   | ug/L | 96  | 1   |      | 87  | 111            | 20  |

VOLATILE METHOD BLANK SUMMARY

Client ID

VN0730WBL01

Lab Name: Alliance

Contract: TULL01

Lab Code: ACE

SDG NO.: Q2729

Lab File ID: VN087440.D

Lab Sample ID: VN0730WBL01

Date Analyzed: 07/30/2025

Time Analyzed: 11:20

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<br>SAMPLE NO.         | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED |
|---------------------------|------------------|----------------|------------------|
| VN0730WBS01               | VN0730WBS01      | VN087438.D     | 07/30/2025       |
| VN0730WBSD01              | VN0730WBSD01     | VN087439.D     | 07/30/2025       |
| 001 willets Pt Blvd(june) | Q2729-01         | VN087441.D     | 07/30/2025       |
| 002 35th Ave(june)        | Q2729-02         | VN087442.D     | 07/30/2025       |

COMMENTS: \_\_\_\_\_

\_\_\_\_\_



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Fax : 908 789 8922

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: TULL01

Lab Code: ACE

SDG NO.: Q2729

Lab File ID: VN087418.D

BFB Injection Date: 07/28/2025

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            | 20.4                 |
| 75  | 30.0 - 60.0% of mass 95            | 44.3                 |
| 95  | Base Peak, 100% relative abundance | 100                  |
| 96  | 5.0 - 9.0% of mass 95              | 6.4                  |
| 173 | Less than 2.0% of mass 174         | 0.6 ( 0.9 ) 1        |
| 174 | 50.0 - 100.0% of mass 95           | 72.8                 |
| 175 | 5.0 - 9.0% of mass 174             | 5.3 ( 7.3 ) 1        |
| 176 | 95.0 - 101.0% of mass 174          | 70.8 ( 97.2 ) 1      |
| 177 | 5.0 - 9.0% of mass 176             | 4.9 ( 7 ) 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 |
|-----------|---------------|-------------|---------------|---------------|
| VSTDIC005 | VSTDIC005     | VN087419.D  | 07/28/2025    | 09:06         |
| VSTDIC020 | VSTDIC020     | VN087420.D  | 07/28/2025    | 10:06         |
| VSTDIC050 | VSTDIC050     | VN087421.D  | 07/28/2025    | 10:27         |
| VSTDIC100 | VSTDIC100     | VN087422.D  | 07/28/2025    | 10:48         |
| VSTDIC150 | VSTDIC150     | VN087423.D  | 07/28/2025    | 11:09         |



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Fax : 908 789 8922

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: TULL01

Lab Code: ACE

SDG NO.: Q2729

Lab File ID: VN087436.D

BFB Injection Date: 07/30/2025

Instrument ID: MSVOA\_N

BFB Injection Time: 08:46

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            | 23.7                 |
| 75  | 30.0 - 60.0% of mass 95            | 56.3                 |
| 95  | Base Peak, 100% relative abundance | 100                  |
| 96  | 5.0 - 9.0% of mass 95              | 6.9                  |
| 173 | Less than 2.0% of mass 174         | 0.7 ( 1 ) 1          |
| 174 | 50.0 - 100.0% of mass 95           | 72.6                 |
| 175 | 5.0 - 9.0% of mass 174             | 5.4 ( 7.4 ) 1        |
| 176 | 95.0 - 101.0% of mass 174          | 69.3 ( 95.3 ) 1      |
| 177 | 5.0 - 9.0% of mass 176             | 4.3 ( 6.2 ) 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 |
|---------------------------|---------------|-------------|---------------|---------------|
| VSTDCCC020                | VSTDCCC020    | VN087437.D  | 07/30/2025    | 09:19         |
| VN0730WBS01               | VN0730WBS01   | VN087438.D  | 07/30/2025    | 09:57         |
| VN0730WBSD01              | VN0730WBSD01  | VN087439.D  | 07/30/2025    | 10:47         |
| VN0730WBL01               | VN0730WBL01   | VN087440.D  | 07/30/2025    | 11:20         |
| 001 willets Pt Blvd(june) | Q2729-01      | VN087441.D  | 07/30/2025    | 13:45         |
| 002 35th Ave(june)        | Q2729-02      | VN087442.D  | 07/30/2025    | 14:06         |

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: TULL01  
 Lab Code: ACE SDG NO.: Q2729  
 Lab File ID: VN087437.D Date Analyzed: 07/30/2025  
 Instrument ID: MSVOA\_N Time Analyzed: 09:19  
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

|                           | IS1<br>AREA # | RT #  | IS2<br>AREA # | RT #  | IS3<br>AREA # | RT #   |
|---------------------------|---------------|-------|---------------|-------|---------------|--------|
| 12 HOUR STD               | 54900         | 7.79  | 310969        | 9.08  | 281690        | 11.85  |
| UPPER LIMIT               | 109800        | 8.294 | 621938        | 9.583 | 563380        | 12.347 |
| LOWER LIMIT               | 27450         | 7.294 | 155485        | 8.583 | 140845        | 11.347 |
| EPA SAMPLE NO.            |               |       |               |       |               |        |
| 001 willets Pt Blvd(june) | 40103         | 7.79  | 217950        | 9.08  | 191714        | 11.85  |
| 002 35th Ave(june)        | 47253         | 7.79  | 267749        | 9.08  | 235727        | 11.85  |
| VN0730WBL01               | 50464         | 7.80  | 272258        | 9.08  | 243647        | 11.85  |
| VN0730WBS01               | 49112         | 7.80  | 271089        | 9.09  | 246291        | 11.85  |
| VN0730WBSD01              | 48201         | 7.80  | 265850        | 9.08  | 239728        | 11.85  |

IS1 = Bromochloromethane  
 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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: TULL01  
 Lab Code: ACE SDG NO.: Q2729  
 Lab File ID: VN087437.D Date Analyzed: 07/30/2025  
 Instrument ID: MSVOA\_N Time Analyzed: 09:19  
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

|                           | IS4<br>AREA # | RT # |  |  |  |  |
|---------------------------|---------------|------|--|--|--|--|
| 12 HOUR STD               | 0             | 0    |  |  |  |  |
| UPPER LIMIT               | 0             |      |  |  |  |  |
| LOWER LIMIT               | 0             |      |  |  |  |  |
| EPA SAMPLE NO.            |               |      |  |  |  |  |
| 001 willets Pt Blvd(june) | 0             | 0.00 |  |  |  |  |
| 002 35th Ave(june)        | 0             | 0.00 |  |  |  |  |
| VN0730WBL01               | 0             | 0.00 |  |  |  |  |
| VN0730WBS01               | 0             | 0.00 |  |  |  |  |
| VN0730WBSD01              | 0             | 0.00 |  |  |  |  |

IS4 =

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.



# SAMPLE DATA

## Report of Analysis

|                    |                           |        |      |                 |          |    |
|--------------------|---------------------------|--------|------|-----------------|----------|----|
| Client:            | Tully Environmental, Inc  |        |      | Date Collected: | 07/29/25 |    |
| Project:           | Transfer Station-SPDES    |        |      | Date Received:  | 07/30/25 |    |
| Client Sample ID:  | 001 willets Pt Blvd(june) |        |      | SDG No.:        | Q2729    |    |
| Lab Sample ID:     | Q2729-01                  |        |      | Matrix:         | Water    |    |
| Analytical Method: | E624.1                    |        |      | % Solid:        | 0        |    |
| Sample Wt/Vol:     | 5                         | Units: | mL   | Final Vol:      | 5000     | uL |
| Soil Aliquot Vol:  |                           |        | uL   | Test:           | VOC-BTEX |    |
| GC Column:         | RXI-624                   | ID :   | 0.25 | Level :         | LOW      |    |
| Prep Method :      |                           |        |      |                 |          |    |

|                   |           |                |               |
|-------------------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Date Analyzed  | Prep Batch ID |
| VN087441.D        | 1         | 07/30/25 13:45 | VN073025      |

| CAS Number         | Parameter             | Conc.  | Qualifier | MDL      | LOQ / CRQL | Units   |
|--------------------|-----------------------|--------|-----------|----------|------------|---------|
| TARGETS            |                       |        |           |          |            |         |
| 71-43-2            | Benzene               | 0.45   | U         | 0.45     | 5.00       | ug/L    |
| 108-88-3           | Toluene               | 93.4   |           | 0.46     | 5.00       | ug/L    |
| 100-41-4           | Ethyl Benzene         | 0.56   | U         | 0.56     | 5.00       | ug/L    |
| 179601-23-1        | m/p-Xylenes           | 1.30   | U         | 1.30     | 10.0       | ug/L    |
| 95-47-6            | o-Xylene              | 0.67   | U         | 0.67     | 5.00       | ug/L    |
| SURROGATES         |                       |        |           |          |            |         |
| 17060-07-0         | 1,2-Dichloroethane-d4 | 30.9   |           | 91 - 110 | 103%       | SPK: 30 |
| 2037-26-5          | Toluene-d8            | 30.6   |           | 91 - 112 | 102%       | SPK: 30 |
| 460-00-4           | 4-Bromofluorobenzene  | 27.2   |           | 63 - 112 | 91%        | SPK: 30 |
| INTERNAL STANDARDS |                       |        |           |          |            |         |
| 74-97-5            | Bromochloromethane    | 40100  | 7.794     |          |            |         |
| 540-36-3           | 1,4-Difluorobenzene   | 218000 | 9.082     |          |            |         |
| 3114-55-4          | Chlorobenzene-d5      | 192000 | 11.847    |          |            |         |

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 OC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN073025\  
 Data File : VN087441.D  
 Acq On : 30 Jul 2025 13:45  
 Operator : JC\MD  
 Sample : Q2729-01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 001 willets Pt Blvd(june)

Manual Integrations  
 APPROVED

Reviewed By :John Carlone 07/31/2025  
 Supervised By :Mahesh Dadoda 07/31/2025

Quant Time: Jul 31 01:14:21 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N072825W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Mon Jul 28 11:35:47 2025  
 Response via : Initial Calibration

| Compound                    | R.T.           | QIon | Response            | Conc   | Units  | Dev(Min) |
|-----------------------------|----------------|------|---------------------|--------|--------|----------|
| -----                       |                |      |                     |        |        |          |
| Internal Standards          |                |      |                     |        |        |          |
| 1) Bromochloromethane       | 7.794          | 128  | 40103               | 30.000 | ug/l   | 0.00     |
| 28) 1,4-Difluorobenzene     | 9.082          | 114  | 217950              | 30.000 | ug/l   | 0.00     |
| 57) Chlorobenzene-d5        | 11.847         | 117  | 191714              | 30.000 | ug/l   | 0.00     |
|                             |                |      |                     |        |        |          |
| System Monitoring Compounds |                |      |                     |        |        |          |
| 27) 1,2-Dichloroethane-d4   | 8.559          | 65   | 94634               | 30.859 | ug/l   | 0.00     |
| Spiked Amount 30.000        | Range 91 - 110 |      | Recovery = 102.867% |        |        |          |
| 60) 4-Bromofluorobenzene    | 12.829         | 95   | 85641               | 27.203 | ug/l   | 0.00     |
| Spiked Amount 30.000        | Range 63 - 112 |      | Recovery = 90.667%  |        |        |          |
| 63) Toluene-d8              | 10.547         | 98   | 269216              | 30.578 | ug/l   | 0.00     |
| Spiked Amount 30.000        | Range 91 - 112 |      | Recovery = 101.933% |        |        |          |
|                             |                |      |                     |        |        |          |
| Target Compounds            |                |      |                     |        |        |          |
| 15) Acetone                 | 4.424          | 58   | 8161m               | 21.708 | ug/l   | Qvalue   |
| 25) Chloroform              | 7.947          | 83   | 159029              | 34.172 | ug/l   | 99       |
| 30) 2-Butanone              | 7.477          | 43   | 30296               | 13.515 | ug/l   | 94       |
| 41) Bromodichloromethane    | 9.871          | 83   | 15133               | 4.160  | ug/l # | 99       |
| 58) 4-Methyl-2-Pentanone    | 10.429         | 43   | 11938m              | 2.765  | ug/l   |          |
| 62) Toluene                 | 10.612         | 91   | 1010309             | 93.378 | ug/l   | 99       |
| 82) p-Isopropyltoluene      | 13.706         | 119  | 21662               | 2.255  | ug/l   | 98       |
| -----                       |                |      |                     |        |        |          |

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

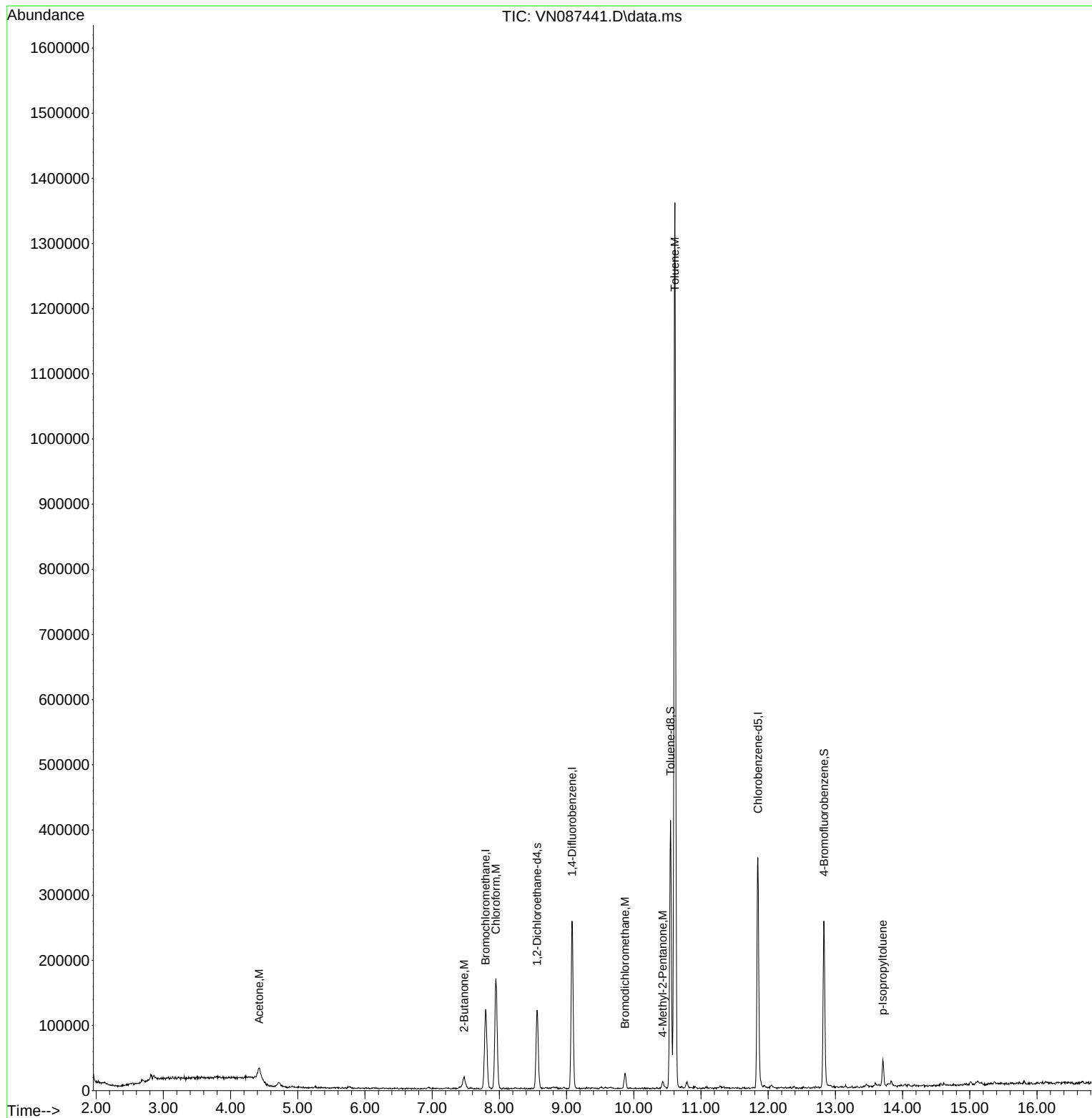
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN073025\  
Data File : VN087441.D  
Acq On : 30 Jul 2025 13:45  
Operator : JC\MD  
Sample : Q2729-01  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 6 Sample Multiplier: 1

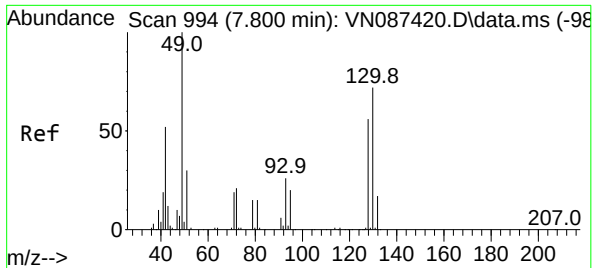
Instrument :  
MSVOA\_N  
ClientSampleId :  
001 willets Pt Blvd(june)

Manual Integrations  
APPROVED

Reviewed By :John Carlone 07/31/2025  
Supervised By :Mahesh Dadoda 07/31/2025

Quant Time: Jul 31 01:14:21 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N072825W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Mon Jul 28 11:35:47 2025  
Response via : Initial Calibration





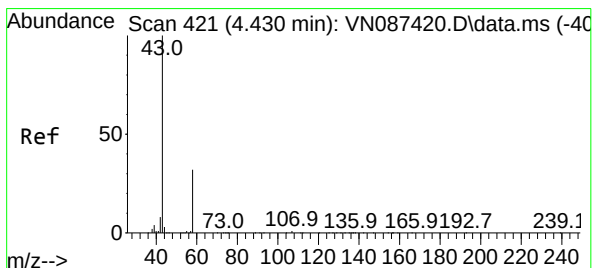
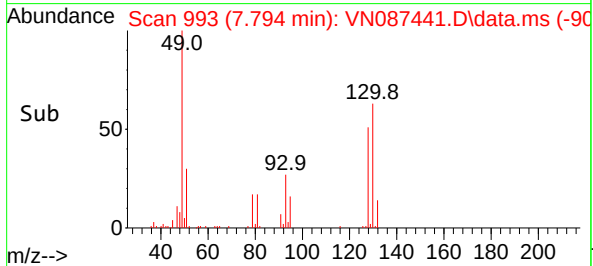
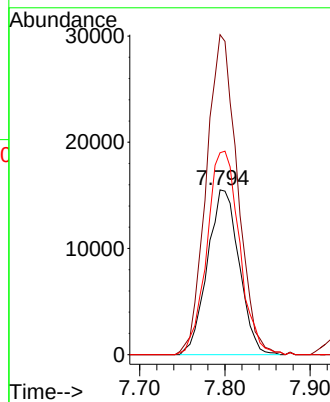
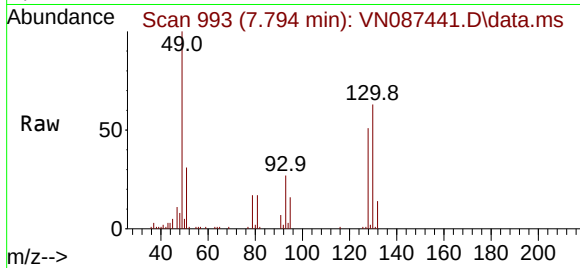
#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 7.794 min Scan# 994  
Delta R.T. -0.006 min  
Lab File: VN087441.D  
Acq: 30 Jul 2025 13:45

Instrument :  
MSVOA\_N  
Client Sample Id :  
001 willets Pt Blvd(june)

Tgt Ion:128 Resp: 4010  
Ion Ratio Lower Upper  
128 100  
49 190.4 0.0 457.3  
130 126.8 0.0 316.0

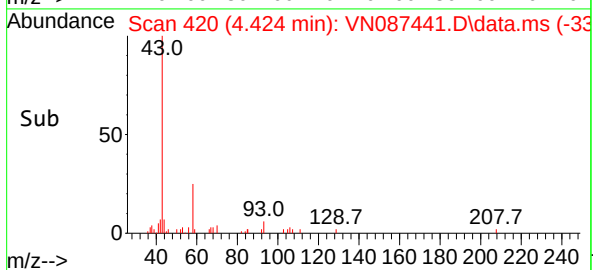
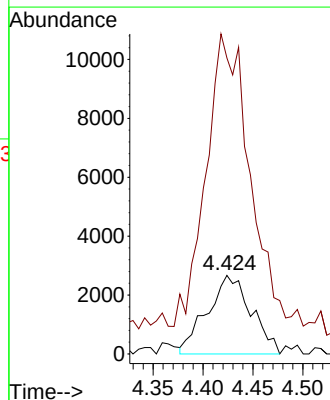
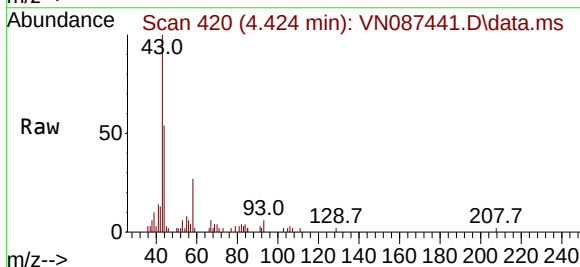
Manual Integrations  
APPROVED

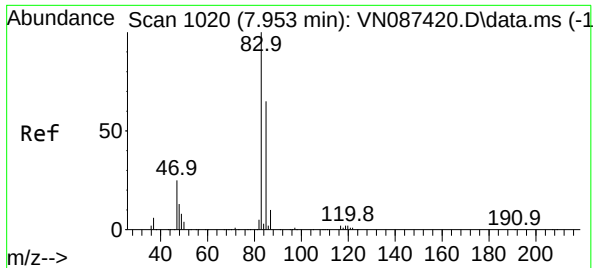
Reviewed By :John Carlone 07/31/2025  
Supervised By :Mahesh Dadoda 07/31/2025



#15  
Acetone  
Concen: 21.708 ug/l m  
RT: 4.424 min Scan# 420  
Delta R.T. -0.006 min  
Lab File: VN087441.D  
Acq: 30 Jul 2025 13:45

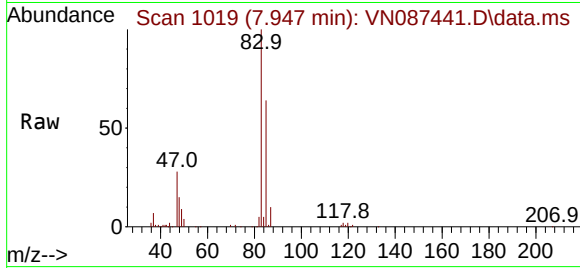
Tgt Ion: 58 Resp: 8161  
Ion Ratio Lower Upper  
58 100  
43 376.4 248.4 372.6#





#25  
Chloroform  
Concen: 34.172 ug/l  
RT: 7.947 min Scan# 1019  
Delta R.T. -0.006 min  
Lab File: VN087441.D  
Acq: 30 Jul 2025 13:45

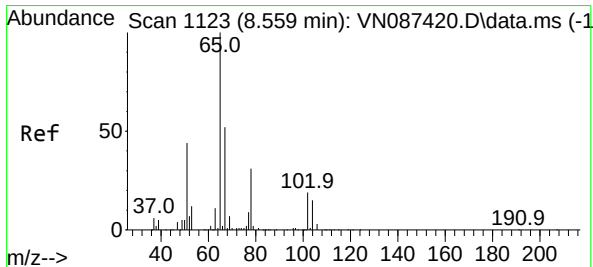
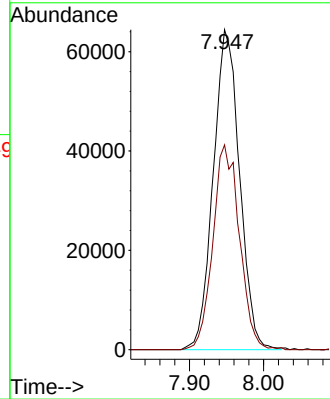
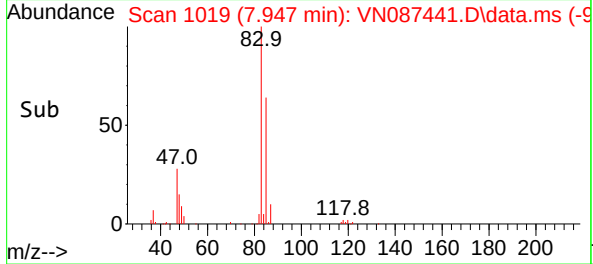
Instrument :  
MSVOA\_N  
ClientSampleId :  
001 willets Pt Blvd(june)



Tgt Ion: 83 Resp: 159029  
Ion Ratio Lower Upper  
83 100  
85 64.0 52.0 78.0

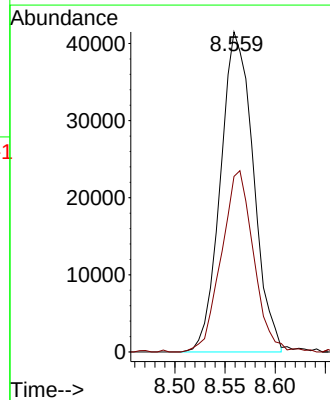
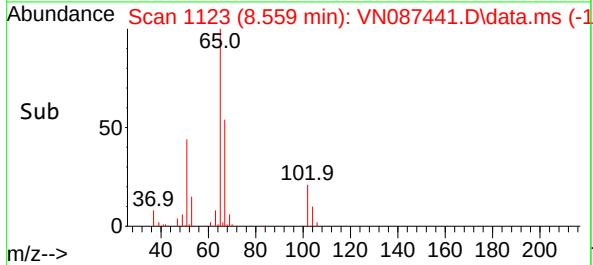
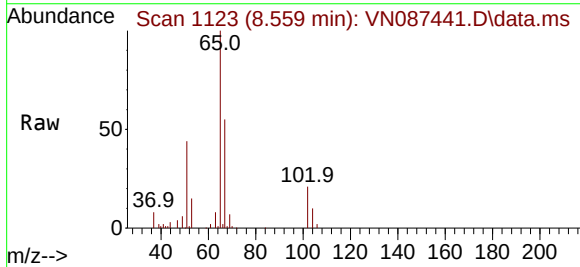
Manual Integrations  
APPROVED

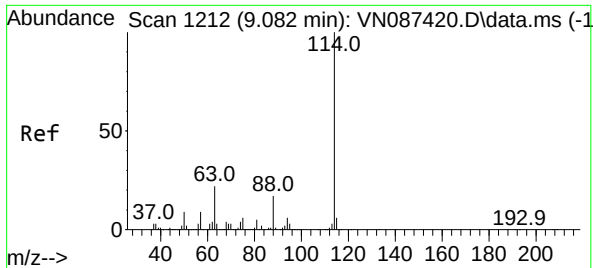
Reviewed By :John Carlone 07/31/2025  
Supervised By :Mahesh Dadoda 07/31/2025



#27  
1,2-Dichloroethane-d4  
Concen: 30.859 ug/l  
RT: 8.559 min Scan# 1123  
Delta R.T. -0.000 min  
Lab File: VN087441.D  
Acq: 30 Jul 2025 13:45

Tgt Ion: 65 Resp: 94634  
Ion Ratio Lower Upper  
65 100  
67 55.2 42.3 63.5





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.082 min Scan# 114

Delta R.T. -0.000 min

Lab File: VN087441.D

Acq: 30 Jul 2025 13:45

Instrument :

MSVOA\_N

ClientSampleId :

001 willets Pt Blvd(june)

Tgt Ion:114 Resp: 217950

Ion Ratio Lower Upper

114 100

63 22.4 17.8 26.6

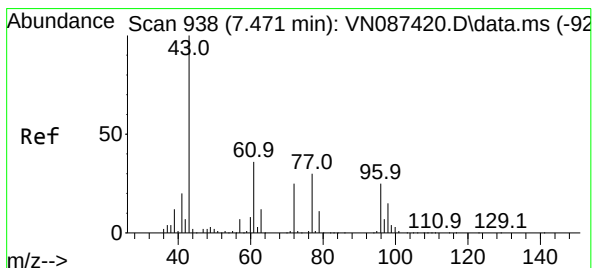
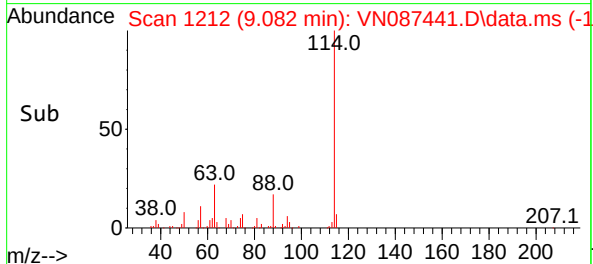
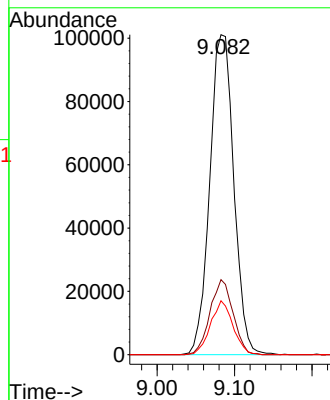
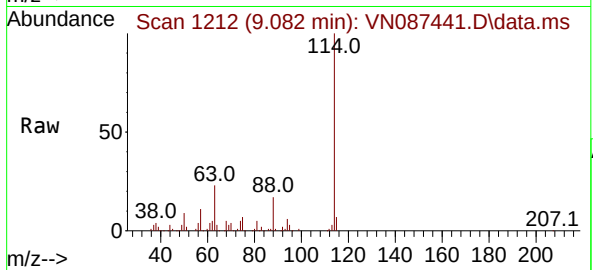
88 15.7 13.0 19.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/31/2025

Supervised By :Mahesh Dadoda 07/31/2025



#30

2-Butanone

Concen: 13.515 ug/l

RT: 7.477 min Scan# 939

Delta R.T. 0.006 min

Lab File: VN087441.D

Acq: 30 Jul 2025 13:45

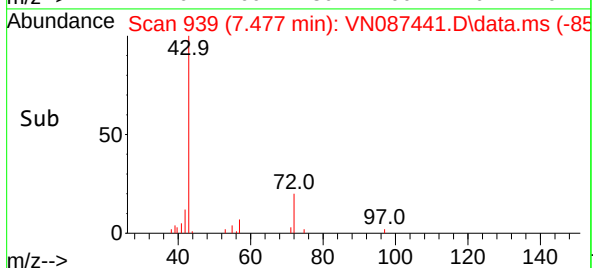
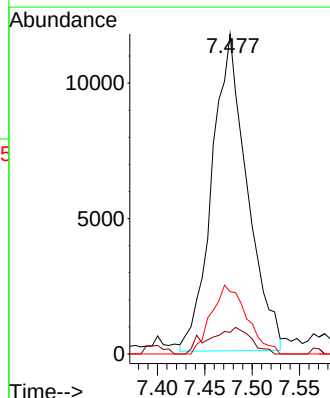
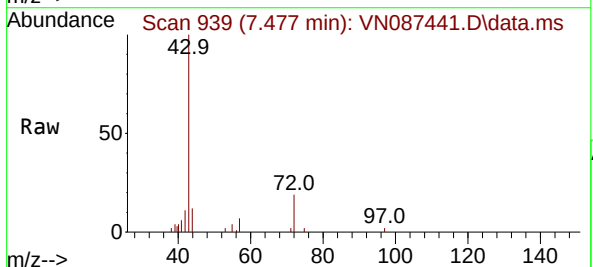
Tgt Ion: 43 Resp: 30296

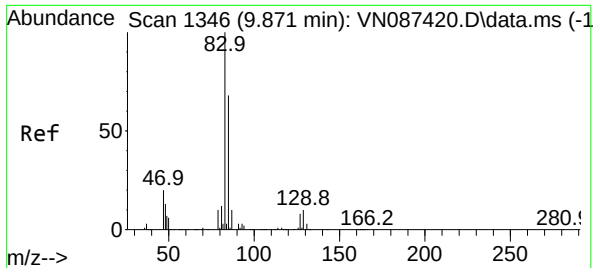
Ion Ratio Lower Upper

43 100

57 6.3 6.0 9.0

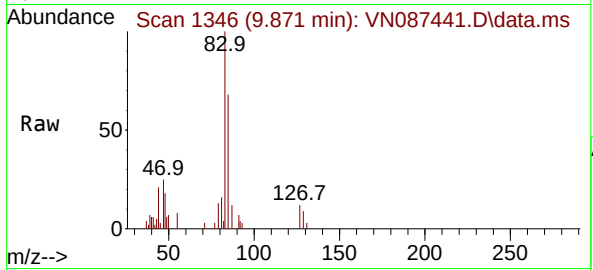
72 21.9 20.3 30.5





#41  
Bromodichloromethane  
Concen: 4.160 ug/l  
RT: 9.871 min Scan# 1346  
Delta R.T. -0.000 min  
Lab File: VN087441.D  
Acq: 30 Jul 2025 13:45

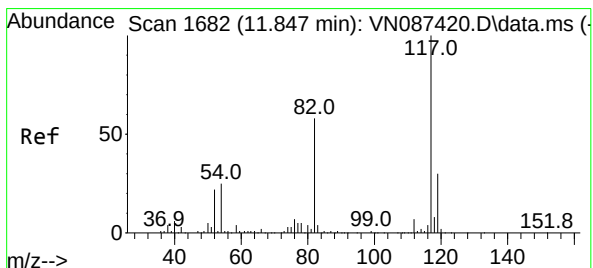
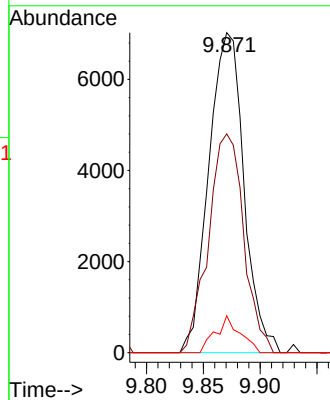
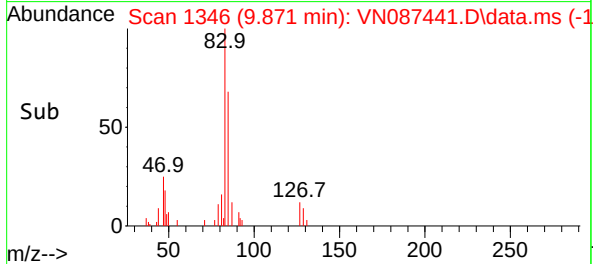
Instrument :  
MSVOA\_N  
ClientSampleId :  
001 willets Pt Blvd(june)



Tgt Ion: 83 Resp: 1513  
Ion Ratio Lower Upper  
83 100  
85 68.3 54.5 81.7  
127 11.5 6.6 10.0

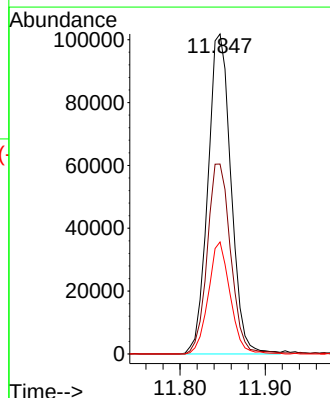
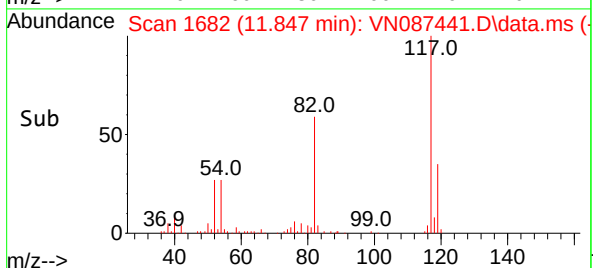
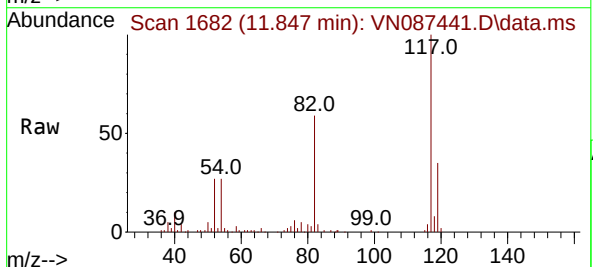
Manual Integrations  
APPROVED

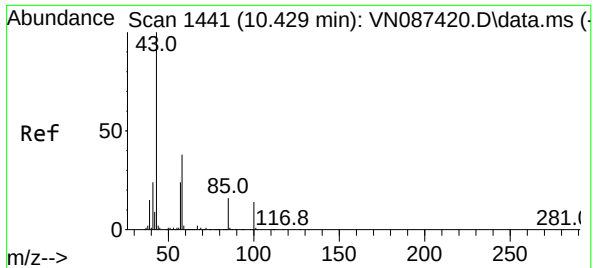
Reviewed By :John Carlone 07/31/2025  
Supervised By :Mahesh Dadoda 07/31/2025



#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 11.847 min Scan# 1682  
Delta R.T. -0.000 min  
Lab File: VN087441.D  
Acq: 30 Jul 2025 13:45

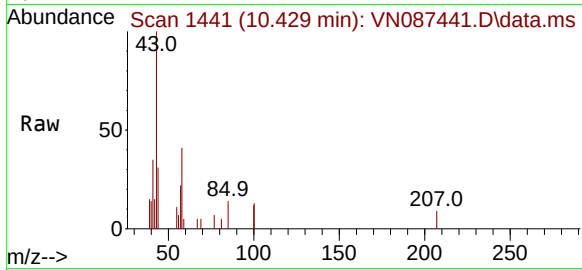
Tgt Ion:117 Resp: 191714  
Ion Ratio Lower Upper  
117 100  
82 60.4 46.2 69.4  
119 33.1 25.7 38.5





#58  
4-Methyl-2-Pentanone  
Concen: 2.765 ug/l m  
RT: 10.429 min Scan# 1441  
Delta R.T. -0.000 min  
Lab File: VN087441.D  
Acq: 30 Jul 2025 13:45

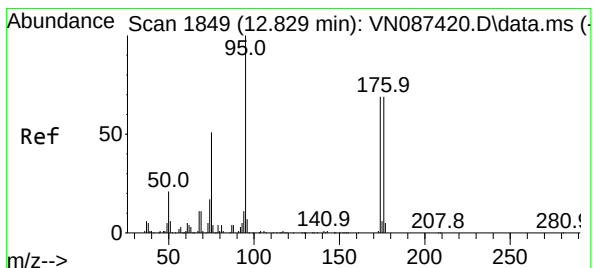
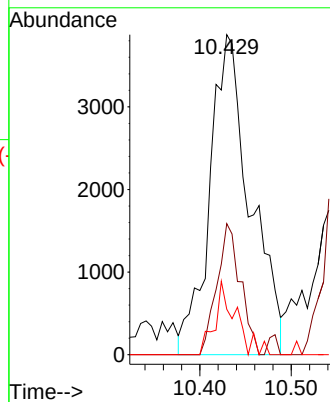
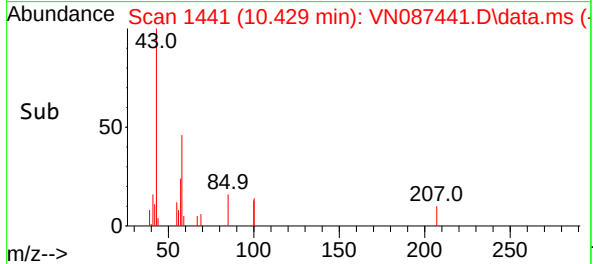
Instrument :  
MSVOA\_N  
ClientSampleId :  
001 willets Pt Blvd(june)



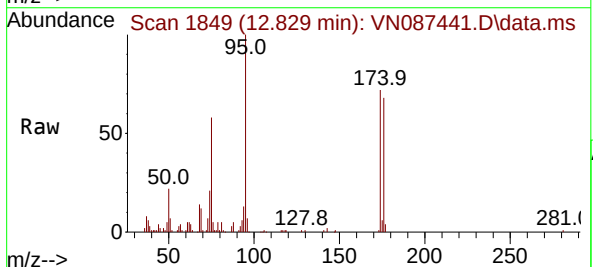
Tgt Ion: 43 Resp: 11938  
Ion Ratio Lower Upper  
43 100  
58 23.8 29.9 44.9  
85 6.4 12.8 19.2

Manual Integrations  
APPROVED

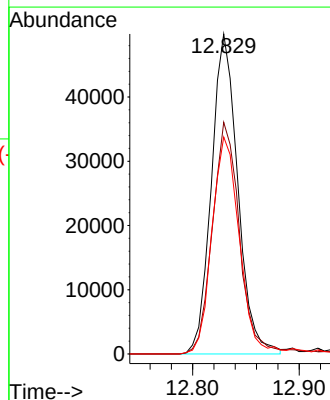
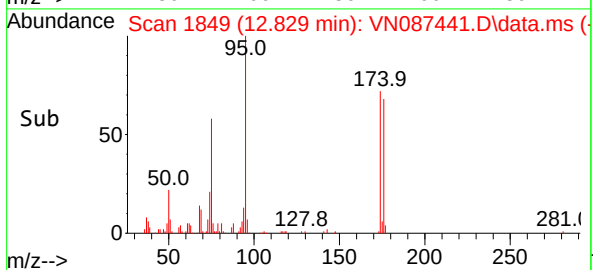
Reviewed By :John Carlone 07/31/2025  
Supervised By :Mahesh Dadoda 07/31/2025

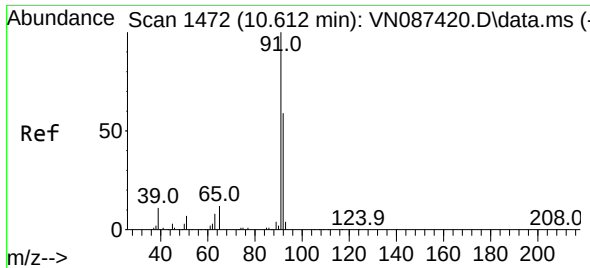


#60  
4-Bromofluorobenzene  
Concen: 27.203 ug/l  
RT: 12.829 min Scan# 1849  
Delta R.T. -0.000 min  
Lab File: VN087441.D  
Acq: 30 Jul 2025 13:45



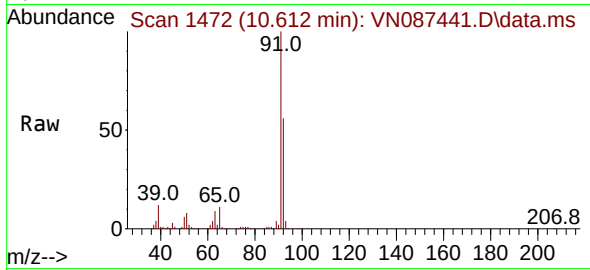
Tgt Ion: 95 Resp: 85641  
Ion Ratio Lower Upper  
95 100  
174 73.7 57.8 86.8  
176 70.3 54.9 82.3





#62  
Toluene  
Concen: 93.378 ug/l  
RT: 10.612 min Scan# 1472  
Delta R.T. -0.000 min  
Lab File: VN087441.D  
Acq: 30 Jul 2025 13:45

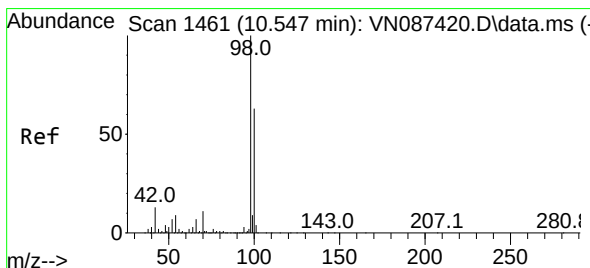
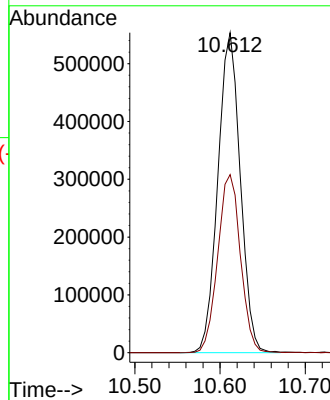
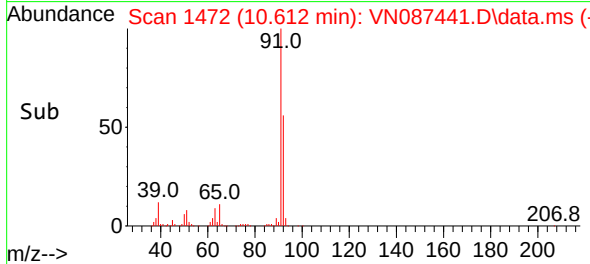
Instrument :  
MSVOA\_N  
ClientSampleId :  
001 willets Pt Blvd(june)



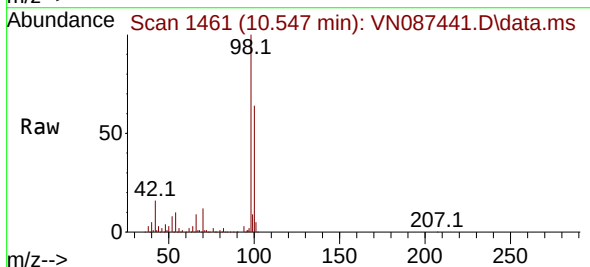
Tgt Ion: 91 Resp: 1010309  
Ion Ratio Lower Upper  
91 100  
92 56.5 45.6 68.4

Manual Integrations  
APPROVED

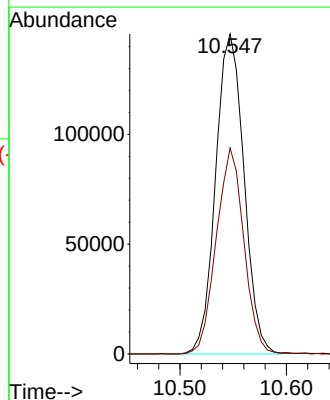
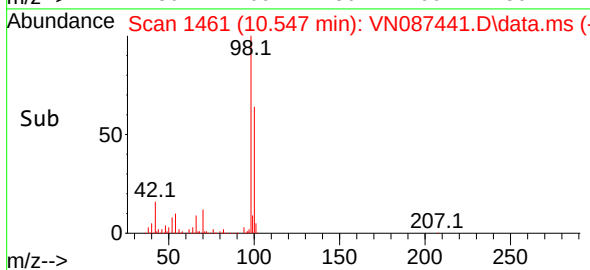
Reviewed By :John Carlone 07/31/2025  
Supervised By :Mahesh Dadoda 07/31/2025

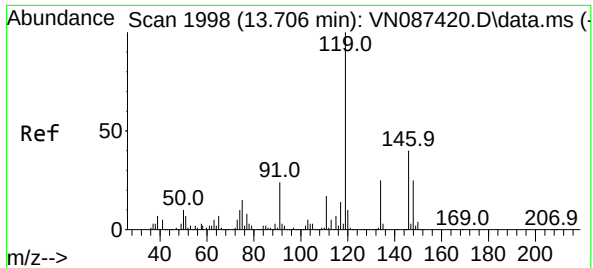


#63  
Toluene-d8  
Concen: 30.578 ug/l  
RT: 10.547 min Scan# 1461  
Delta R.T. -0.000 min  
Lab File: VN087441.D  
Acq: 30 Jul 2025 13:45



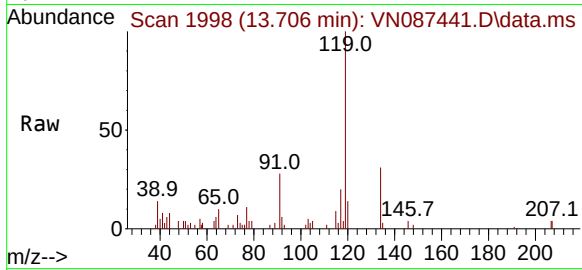
Tgt Ion: 98 Resp: 269216  
Ion Ratio Lower Upper  
98 100  
100 62.6 50.7 76.1





#82  
p-Isopropyltoluene  
Concen: 2.255 ug/l  
RT: 13.706 min Scan# 1998  
Delta R.T. -0.000 min  
Lab File: VN087441.D  
Acq: 30 Jul 2025 13:45

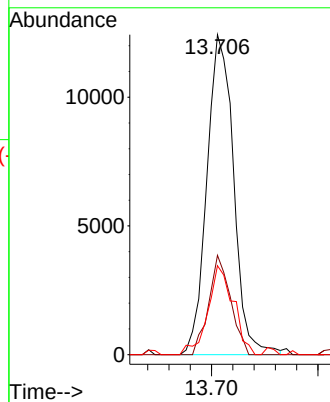
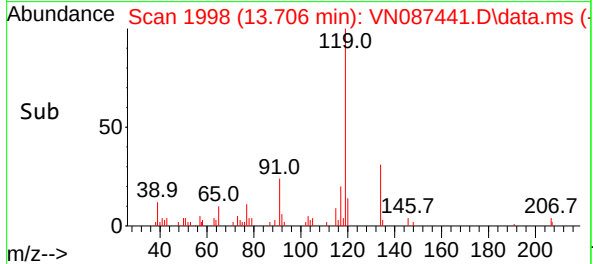
Instrument :  
MSVOA\_N  
ClientSampleId :  
001 willets Pt Blvd(june)



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 134     | 25.4  | 0.0   | 50.8  |
| 91      | 25.3  | 0.0   | 47.6  |

Manual Integrations  
APPROVED

Reviewed By :John Carlone 07/31/2025  
Supervised By :Mahesh Dadoda 07/31/2025



## Report of Analysis

|                    |                          |                 |          |
|--------------------|--------------------------|-----------------|----------|
| Client:            | Tully Environmental, Inc | Date Collected: | 07/29/25 |
| Project:           | Transfer Station-SPDES   | Date Received:  | 07/30/25 |
| Client Sample ID:  | 002 35th Ave(june)       | SDG No.:        | Q2729    |
| Lab Sample ID:     | Q2729-02                 | Matrix:         | Water    |
| Analytical Method: | E624.1                   | % Solid:        | 0        |
| Sample Wt/Vol:     | 5                        | Units:          | mL       |
| Soil Aliquot Vol:  |                          |                 | uL       |
| GC Column:         | RXI-624                  | ID :            | 0.25     |
| Prep Method :      |                          | Level :         | LOW      |

|                   |           |                |               |
|-------------------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Date Analyzed  | Prep Batch ID |
| VN087442.D        | 1         | 07/30/25 14:06 | VN073025      |

| CAS Number                | Parameter             | Conc.  | Qualifier | MDL      | LOQ / CRQL | Units   |
|---------------------------|-----------------------|--------|-----------|----------|------------|---------|
| <b>TARGETS</b>            |                       |        |           |          |            |         |
| 71-43-2                   | Benzene               | 0.45   | U         | 0.45     | 5.00       | ug/L    |
| 108-88-3                  | Toluene               | 71.2   |           | 0.46     | 5.00       | ug/L    |
| 100-41-4                  | Ethyl Benzene         | 0.56   | U         | 0.56     | 5.00       | ug/L    |
| 179601-23-1               | m/p-Xylenes           | 1.30   | U         | 1.30     | 10.0       | ug/L    |
| 95-47-6                   | o-Xylene              | 0.67   | U         | 0.67     | 5.00       | ug/L    |
| <b>SURROGATES</b>         |                       |        |           |          |            |         |
| 17060-07-0                | 1,2-Dichloroethane-d4 | 32.3   |           | 91 - 110 | 108%       | SPK: 30 |
| 2037-26-5                 | Toluene-d8            | 30.8   |           | 91 - 112 | 103%       | SPK: 30 |
| 460-00-4                  | 4-Bromofluorobenzene  | 27.8   |           | 63 - 112 | 93%        | SPK: 30 |
| <b>INTERNAL STANDARDS</b> |                       |        |           |          |            |         |
| 74-97-5                   | Bromochloromethane    | 47300  | 7.794     |          |            |         |
| 540-36-3                  | 1,4-Difluorobenzene   | 268000 | 9.082     |          |            |         |
| 3114-55-4                 | Chlorobenzene-d5      | 236000 | 11.847    |          |            |         |

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN073025\  
 Data File : VN087442.D  
 Acq On : 30 Jul 2025 14:06  
 Operator : JC\MD  
 Sample : Q2729-02  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 002 35th Ave(june)

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 07/31/2025  
 Supervised By : Mahesh Dadoda 07/31/2025

Quant Time: Jul 31 01:14:45 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N072825W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Mon Jul 28 11:35:47 2025  
 Response via : Initial Calibration

| Compound                    | R.T.           | QIon | Response            | Conc   | Units  | Dev(Min) |
|-----------------------------|----------------|------|---------------------|--------|--------|----------|
| -----                       |                |      |                     |        |        |          |
| Internal Standards          |                |      |                     |        |        |          |
| 1) Bromochloromethane       | 7.794          | 128  | 47253               | 30.000 | ug/l   | 0.00     |
| 28) 1,4-Difluorobenzene     | 9.082          | 114  | 267749              | 30.000 | ug/l   | 0.00     |
| 57) Chlorobenzene-d5        | 11.847         | 117  | 235727              | 30.000 | ug/l   | 0.00     |
|                             |                |      |                     |        |        |          |
| System Monitoring Compounds |                |      |                     |        |        |          |
| 27) 1,2-Dichloroethane-d4   | 8.565          | 65   | 116776              | 32.318 | ug/l   | 0.00     |
| Spiked Amount 30.000        | Range 91 - 110 |      | Recovery = 107.733% |        |        |          |
| 60) 4-Bromofluorobenzene    | 12.829         | 95   | 107671              | 27.815 | ug/l   | 0.00     |
| Spiked Amount 30.000        | Range 63 - 112 |      | Recovery = 92.733%  |        |        |          |
| 63) Toluene-d8              | 10.547         | 98   | 333787              | 30.833 | ug/l   | 0.00     |
| Spiked Amount 30.000        | Range 91 - 112 |      | Recovery = 102.767% |        |        |          |
|                             |                |      |                     |        |        |          |
| Target Compounds            |                |      |                     |        |        |          |
| 15) Acetone                 | 4.424          | 58   | 8579                | 19.367 | ug/l   | 90       |
| 25) Chloroform              | 7.947          | 83   | 148590              | 27.097 | ug/l   | 94       |
| 30) 2-Butanone              | 7.477          | 43   | 27959               | 10.153 | ug/l # | 93       |
| 41) Bromodichloromethane    | 9.871          | 83   | 14552               | 3.257  | ug/l   | 90       |
| 58) 4-Methyl-2-Pentanone    | 10.435         | 43   | 9450m               | 1.780  | ug/l   |          |
| 62) Toluene                 | 10.612         | 91   | 946991              | 71.184 | ug/l   | 98       |
| 82) p-Isopropyltoluene      | 13.706         | 119  | 20629               | 1.747  | ug/l   | 96       |
| -----                       |                |      |                     |        |        |          |

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

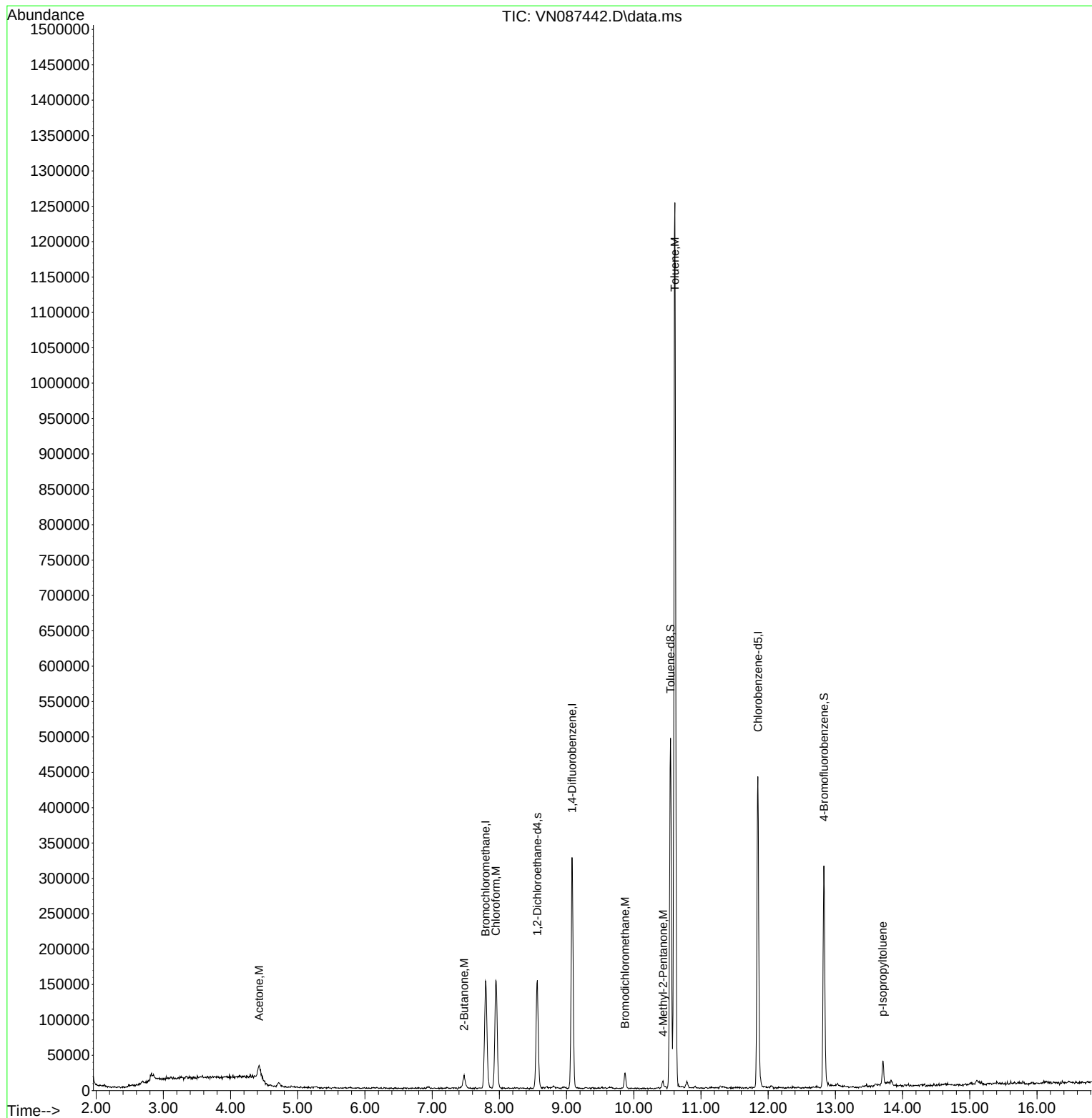
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Data File : VN087442.D  
Acq On : 30 Jul 2025 14:06  
Operator : JC\MD  
Sample : Q2729-02  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 7 Sample Multiplier: 1

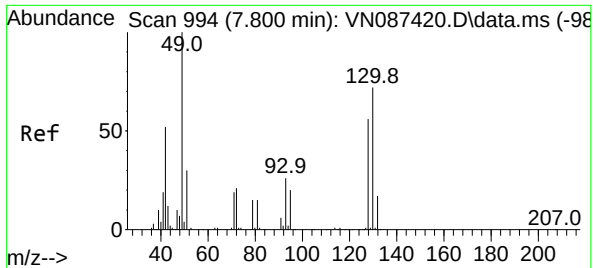
Instrument :  
MSVOA\_N  
ClientSampleId :  
002 35th Ave(june)

Manual Integrations  
APPROVED

Reviewed By :John Carlone 07/31/2025  
Supervised By :Mahesh Dadoda 07/31/2025

Quant Time: Jul 31 01:14:45 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N072825W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Mon Jul 28 11:35:47 2025  
Response via : Initial Calibration





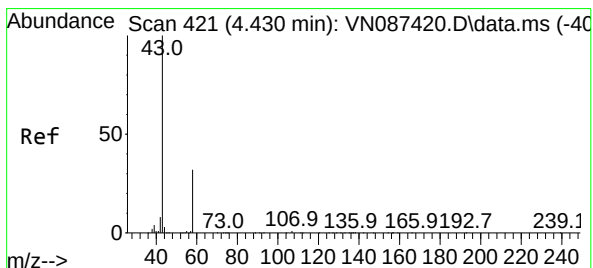
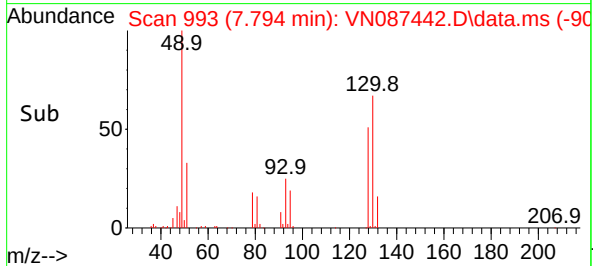
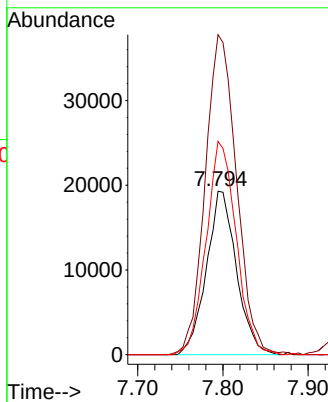
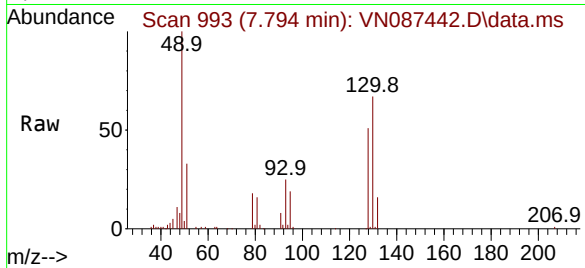
#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 7.794 min Scan# 994  
Delta R.T. -0.006 min  
Lab File: VN087442.D  
Acq: 30 Jul 2025 14:06

Instrument :  
MSVOA\_N  
ClientSampleId :  
002 35th Ave(june)

Tgt Ion:128 Resp: 4725  
Ion Ratio Lower Upper  
128 100  
49 204.2 0.0 457.3  
130 131.2 0.0 316.0

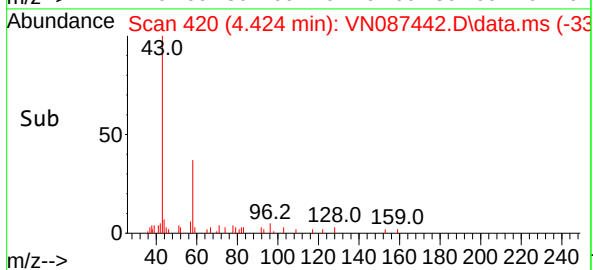
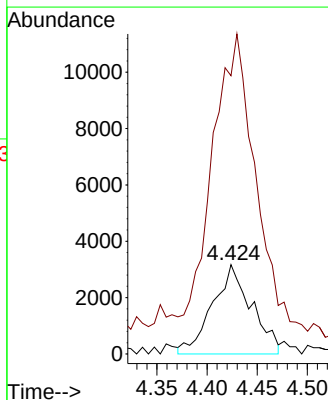
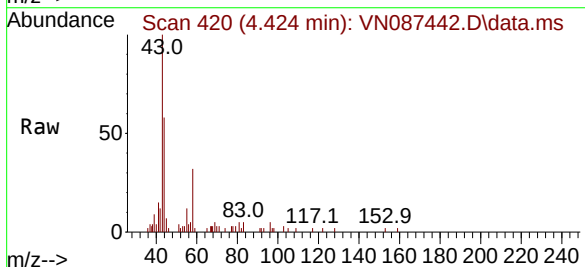
Manual Integrations  
APPROVED

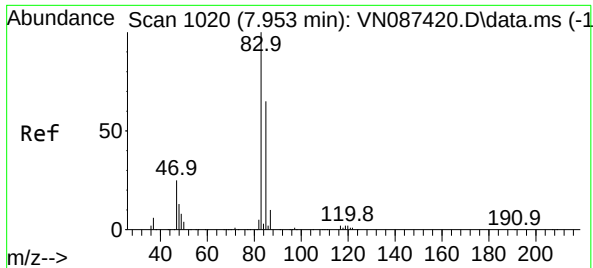
Reviewed By :John Carlone 07/31/2025  
Supervised By :Mahesh Dadoda 07/31/2025



#15  
Acetone  
Concen: 19.367 ug/l  
RT: 4.424 min Scan# 420  
Delta R.T. -0.006 min  
Lab File: VN087442.D  
Acq: 30 Jul 2025 14:06

Tgt Ion: 58 Resp: 8579  
Ion Ratio Lower Upper  
58 100  
43 291.0 248.4 372.6





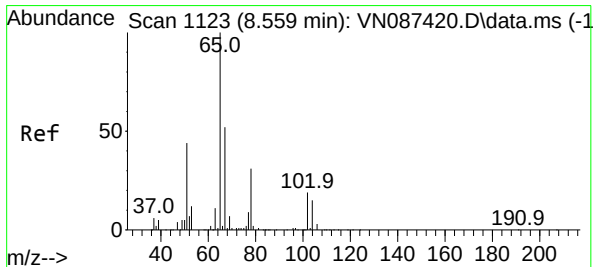
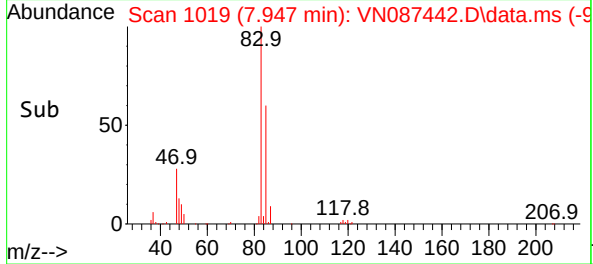
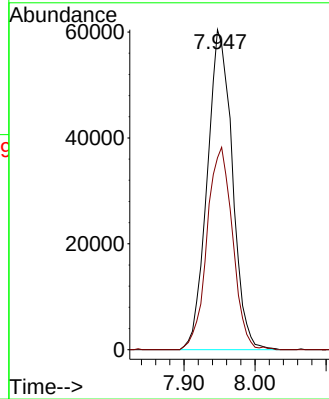
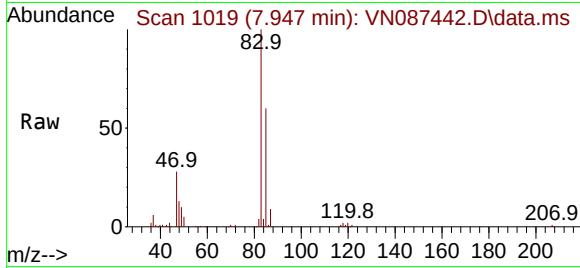
#25  
Chloroform  
Concen: 27.097 ug/l  
RT: 7.947 min Scan# 1019  
Delta R.T. -0.006 min  
Lab File: VN087442.D  
Acq: 30 Jul 2025 14:06

Instrument :  
MSVOA\_N  
ClientSampleId :  
002 35th Ave(june)

Tgt Ion: 83 Resp: 148590  
Ion Ratio Lower Upper  
83 100  
85 60.0 52.0 78.0

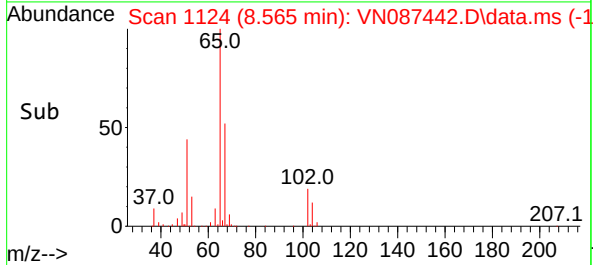
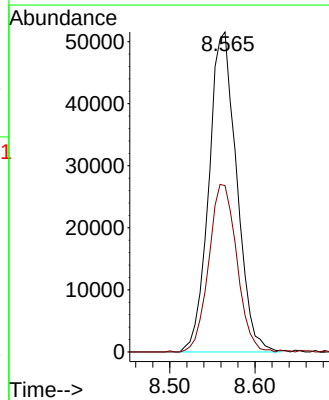
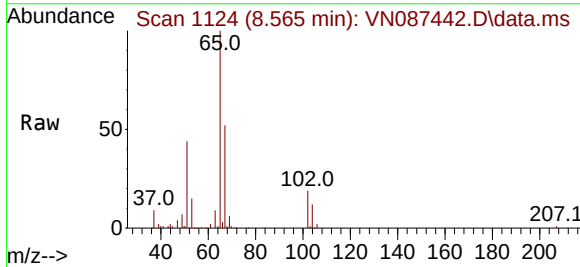
Manual Integrations  
APPROVED

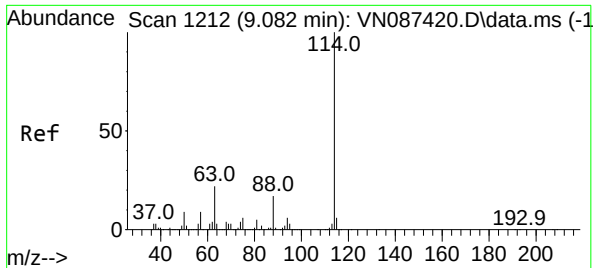
Reviewed By :John Carlone 07/31/2025  
Supervised By :Mahesh Dadoda 07/31/2025



#27  
1,2-Dichloroethane-d4  
Concen: 32.318 ug/l  
RT: 8.565 min Scan# 1124  
Delta R.T. 0.006 min  
Lab File: VN087442.D  
Acq: 30 Jul 2025 14:06

Tgt Ion: 65 Resp: 116776  
Ion Ratio Lower Upper  
65 100  
67 52.6 42.3 63.5





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.082 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN087442.D

Acq: 30 Jul 2025 14:06

Instrument :

MSVOA\_N

ClientSampleId :

002 35th Ave(june)

Tgt Ion:114 Resp: 267749

Ion Ratio Lower Upper

114 100

63 22.3 17.8 26.6

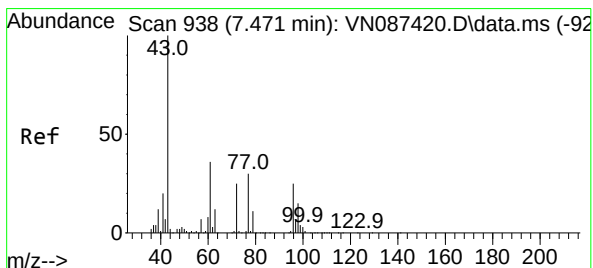
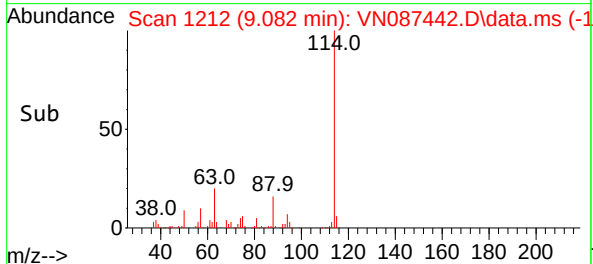
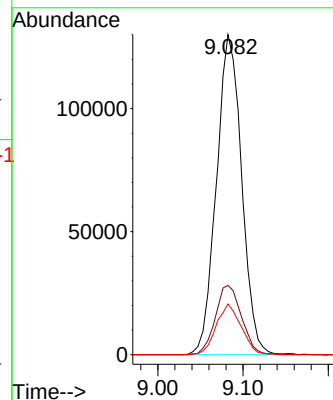
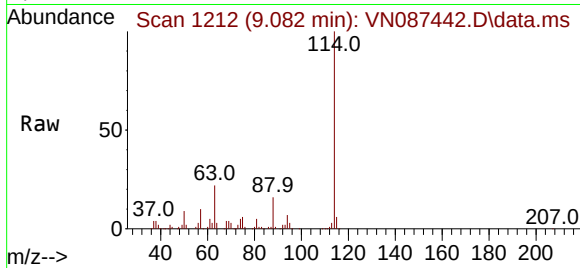
88 15.6 13.0 19.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 07/31/2025

Supervised By :Mahesh Dadoda 07/31/2025



#30

2-Butanone

Concen: 10.153 ug/l

RT: 7.477 min Scan# 939

Delta R.T. 0.006 min

Lab File: VN087442.D

Acq: 30 Jul 2025 14:06

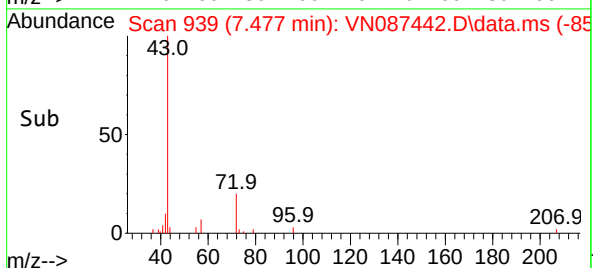
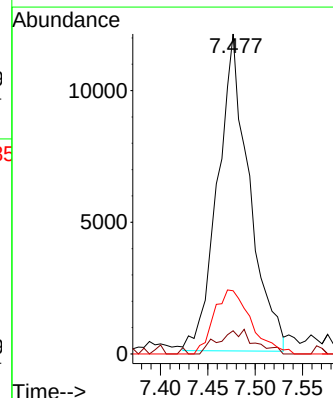
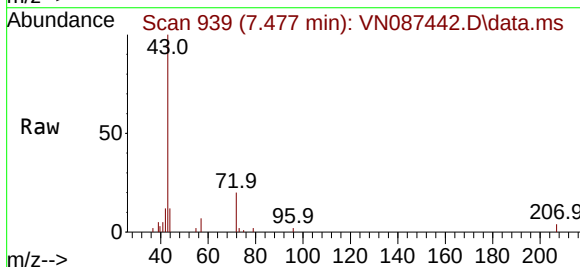
Tgt Ion: 43 Resp: 27959

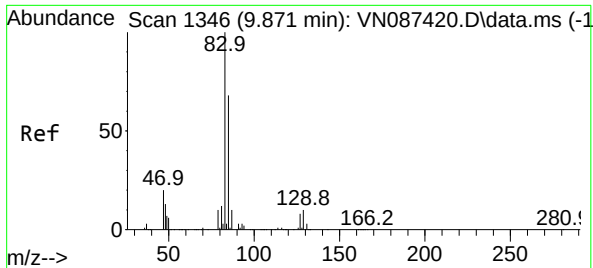
Ion Ratio Lower Upper

43 100

57 1.7 6.0 9.0#

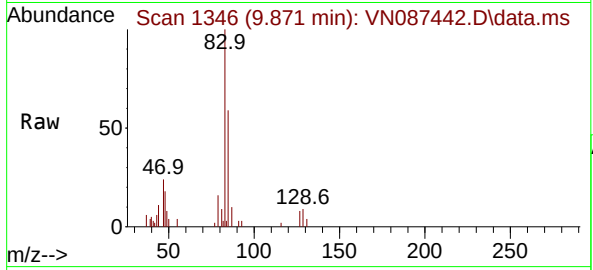
72 23.6 20.3 30.5





#41  
Bromodichloromethane  
Concen: 3.257 ug/l  
RT: 9.871 min Scan# 1346  
Delta R.T. -0.000 min  
Lab File: VN087442.D  
Acq: 30 Jul 2025 14:06

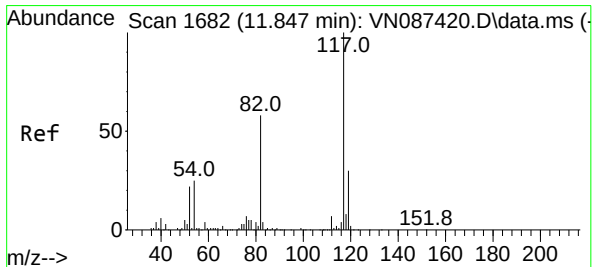
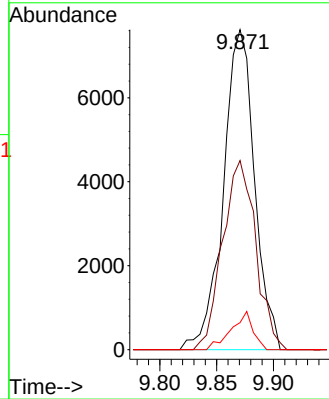
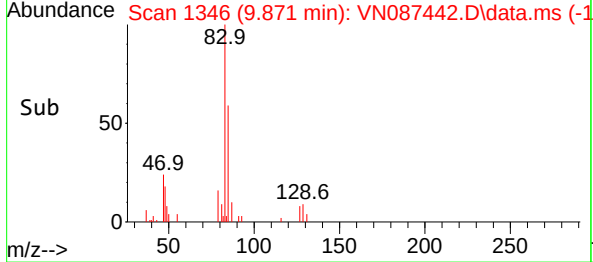
Instrument :  
MSVOA\_N  
ClientSampleId :  
002 35th Ave(june)



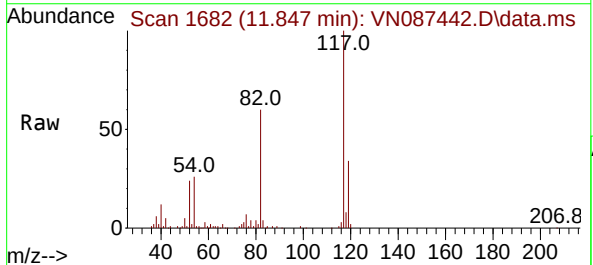
Tgt Ion: 83 Resp: 14552  
Ion Ratio Lower Upper  
83 100  
85 59.1 54.5 81.7  
127 8.4 6.6 10.0

Manual Integrations  
APPROVED

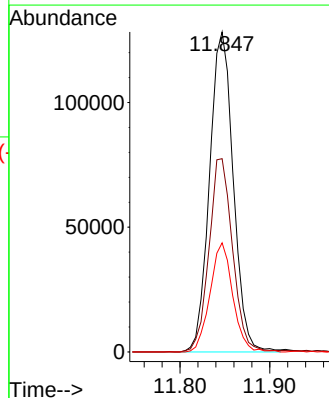
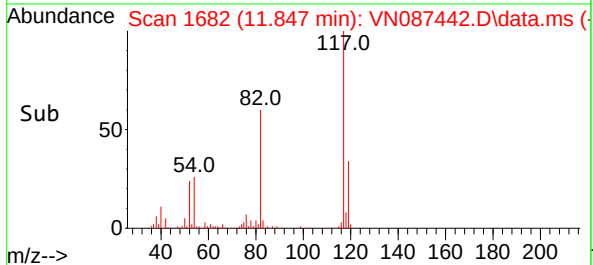
Reviewed By :John Carlone 07/31/2025  
Supervised By :Mahesh Dadoda 07/31/2025

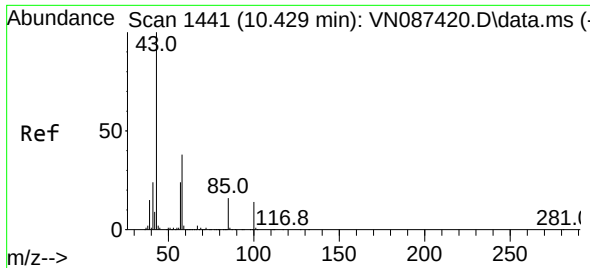


#57  
Chlorobenzene-d5  
Concen: 30.000 ug/l  
RT: 11.847 min Scan# 1682  
Delta R.T. -0.000 min  
Lab File: VN087442.D  
Acq: 30 Jul 2025 14:06



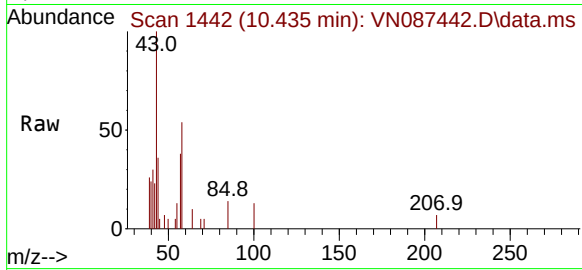
Tgt Ion:117 Resp: 235727  
Ion Ratio Lower Upper  
117 100  
82 60.0 46.2 69.4  
119 32.6 25.7 38.5





#58  
4-Methyl-2-Pentanone  
Concen: 1.780 ug/l m  
RT: 10.435 min Scan# 1441  
Delta R.T. 0.006 min  
Lab File: VN087442.D  
Acq: 30 Jul 2025 14:06

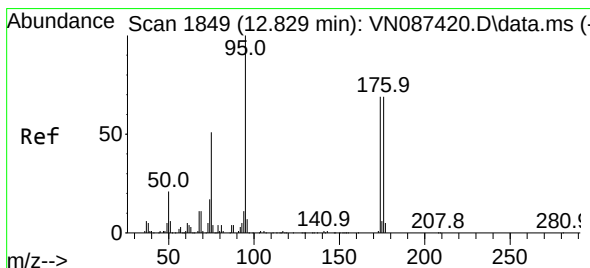
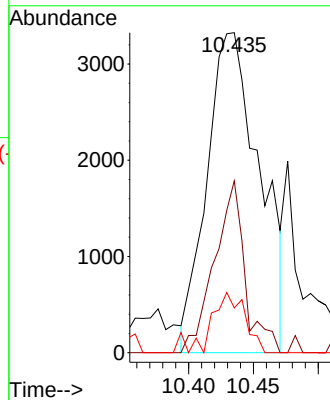
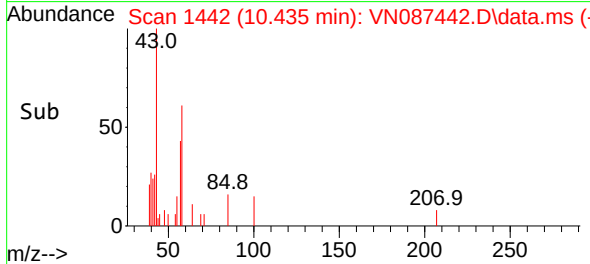
Instrument :  
MSVOA\_N  
ClientSampleId :  
002 35th Ave(june)



Tgt Ion: 43 Resp: 9450  
Ion Ratio Lower Upper  
43 100  
58 28.0 29.9 44.9  
85 10.7 12.8 19.2

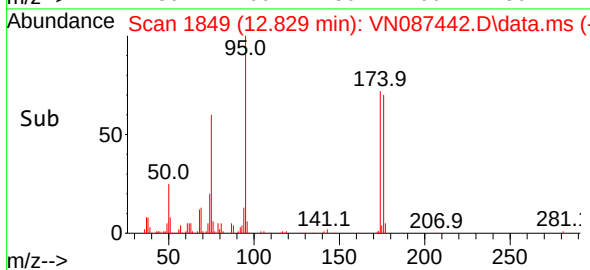
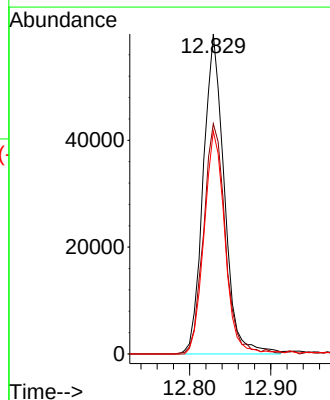
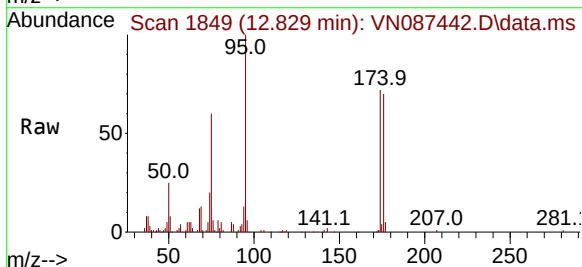
Manual Integrations  
APPROVED

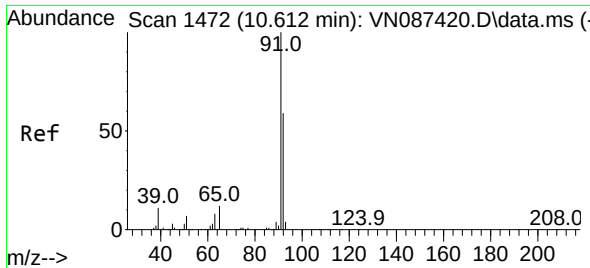
Reviewed By :John Carlone 07/31/2025  
Supervised By :Mahesh Dadoda 07/31/2025



#60  
4-Bromofluorobenzene  
Concen: 27.815 ug/l  
RT: 12.829 min Scan# 1849  
Delta R.T. -0.000 min  
Lab File: VN087442.D  
Acq: 30 Jul 2025 14:06

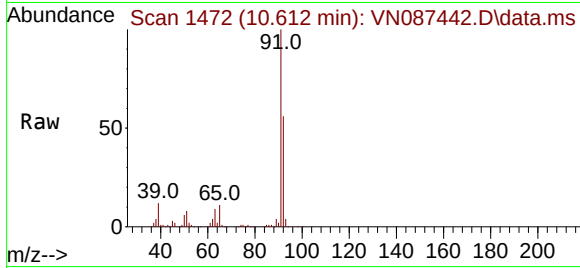
Tgt Ion: 95 Resp: 107671  
Ion Ratio Lower Upper  
95 100  
174 73.9 57.8 86.8  
176 68.8 54.9 82.3





#62  
Toluene  
Concen: 71.184 ug/l  
RT: 10.612 min Scan# 1472  
Delta R.T. -0.000 min  
Lab File: VN087442.D  
Acq: 30 Jul 2025 14:06

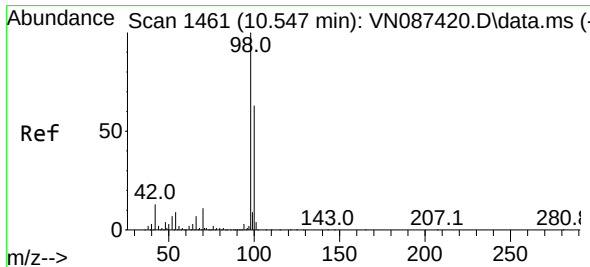
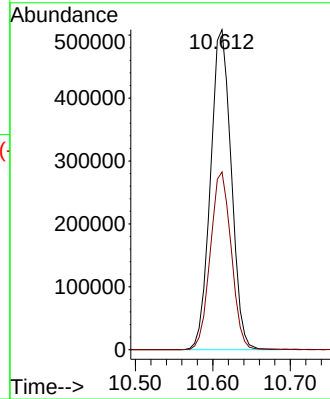
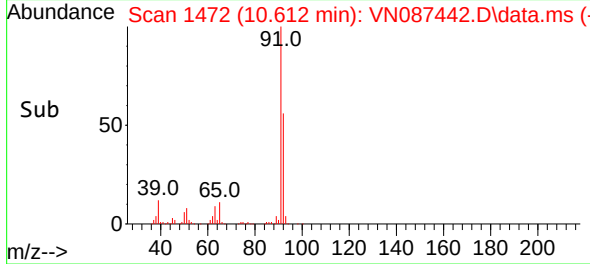
Instrument :  
MSVOA\_N  
ClientSampleId :  
002 35th Ave(june)



Tgt Ion: 91 Resp: 94699  
Ion Ratio Lower Upper  
91 100  
92 55.8 45.6 68.4

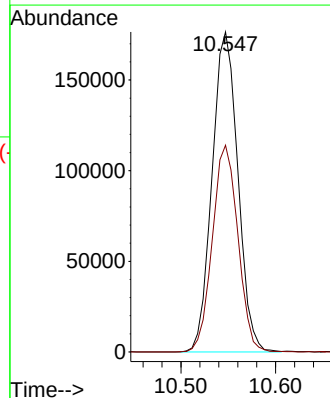
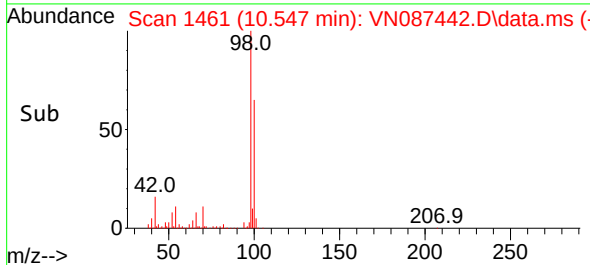
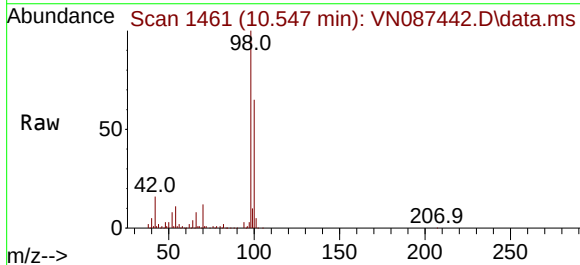
Manual Integrations  
APPROVED

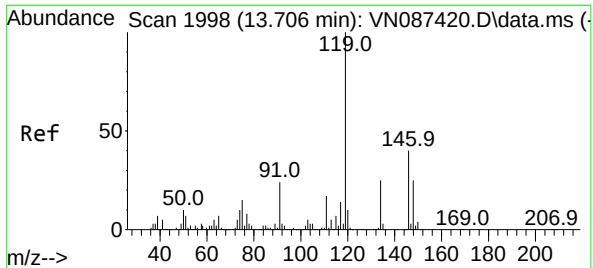
Reviewed By :John Carlone 07/31/2025  
Supervised By :Mahesh Dadoda 07/31/2025



#63  
Toluene-d8  
Concen: 30.833 ug/l  
RT: 10.547 min Scan# 1461  
Delta R.T. -0.000 min  
Lab File: VN087442.D  
Acq: 30 Jul 2025 14:06

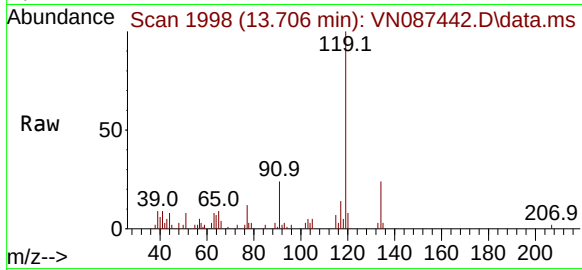
Tgt Ion: 98 Resp: 333787  
Ion Ratio Lower Upper  
98 100  
100 64.0 50.7 76.1





#82  
p-Isopropyltoluene  
Concen: 1.747 ug/l  
RT: 13.706 min Scan# 1998  
Delta R.T. -0.000 min  
Lab File: VN087442.D  
Acq: 30 Jul 2025 14:06

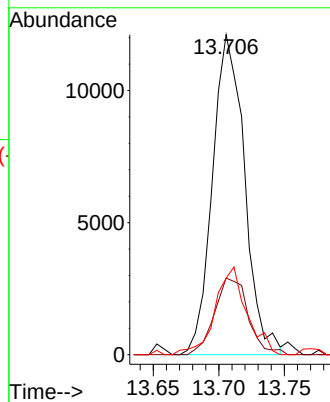
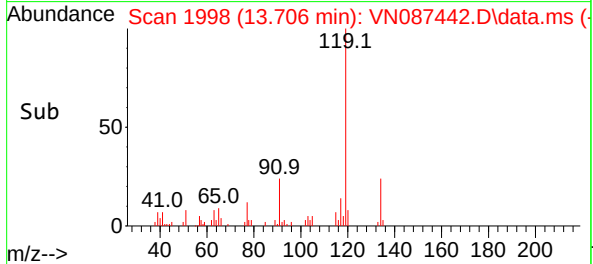
Instrument :  
MSVOA\_N  
ClientSampleId :  
002 35th Ave(june)



| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 119     | 100   |       |       |
| 134     | 24.7  | 0.0   | 50.8  |
| 91      | 27.0  | 0.0   | 47.6  |

Manual Integrations  
APPROVED

Reviewed By :John Carlone 07/31/2025  
Supervised By :Mahesh Dadoda 07/31/2025





# 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: TULL01  
 Lab Code: ACE SDG No.: Q2729  
 Instrument ID: MSVOA\_N Calibration Date(s): 07/28/2025 07/28/2025  
 Heated Purge: (Y/N) N Calibration Time(s): 09:06 11:09  
 GC Column: RXI-624 ID: 0.25 (mm)

| LAB FILE ID:          |        | RRF005 = VN087419.D |        | RRF020 = VN087420.D |        | RRF050 = VN087421.D |       |       |
|-----------------------|--------|---------------------|--------|---------------------|--------|---------------------|-------|-------|
|                       |        | RRF100 = VN087422.D |        | RRF150 = VN087423.D |        | RRF =               |       |       |
| COMPOUND              | RRF005 | RRF020              | RRF050 | RRF100              | RRF150 | RRF                 | RRF   | % RSD |
| Benzene               | 1.354  | 1.412               | 1.148  | 1.483               | 1.569  |                     | 1.393 | 11.4  |
| Toluene               | 1.674  | 1.685               | 1.419  | 1.814               | 1.873  |                     | 1.693 | 10.3  |
| Ethyl Benzene         | 1.787  | 1.887               | 1.561  | 1.979               | 2.036  |                     | 1.850 | 10.1  |
| m/p-Xylenes           | 0.687  | 0.704               | 0.591  | 0.736               | 0.747  |                     | 0.693 | 9     |
| o-Xylene              | 0.651  | 0.704               | 0.570  | 0.730               | 0.736  |                     | 0.678 | 10.2  |
| 1,2-Dichloroethane-d4 | 2.246  | 2.272               | 2.251  | 2.339               | 2.362  |                     | 2.294 | 2.3   |
| Toluene-d8            | 1.368  | 1.381               | 1.376  | 1.393               | 1.371  |                     | 1.378 | 0.7   |
| 4-Bromofluorobenzene  | 0.484  | 0.493               | 0.486  | 0.505               | 0.495  |                     | 0.493 | 1.7   |

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

Method Path : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\  
 Method File : 624N072825W.M  
 Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 Last Update : Mon Jul 28 11:35:47 2025  
 Response Via : Initial Calibration

## Calibration Files

5 =VN087419.D 20 =VN087420.D 50 =VN087421.D 100 =VN087422.D 150 =VN087423.D

| Compound |                     | 5              | 20    | 50    | 100   | 150   | Avg   | %RSD  |
|----------|---------------------|----------------|-------|-------|-------|-------|-------|-------|
| -----    |                     |                |       |       |       |       |       |       |
| 1) I     | Bromochloromethane  | -----ISTD----- |       |       |       |       |       |       |
| 2) M     | Dichlorodifluoro... | 1.493          | 1.818 | 1.418 | 1.937 | 2.086 | 1.750 | 16.37 |
| 3) M     | Chloromethane       | 1.791          | 1.874 | 1.496 | 1.974 | 2.156 | 1.858 | 13.14 |
| 4) M     | Vinyl Chloride      | 1.868          | 1.887 | 1.513 | 2.007 | 2.124 | 1.880 | 12.20 |
| 5) M     | Bromomethane        | 0.895          | 0.897 | 0.754 | 0.976 | 1.062 | 0.917 | 12.42 |
| 6) M     | Chloroethane        | 1.050          | 1.082 | 0.867 | 1.122 | 1.180 | 1.060 | 11.18 |
| 7) M     | Trichlorofluorom... | 2.285          | 2.321 | 1.965 | 2.546 | 2.709 | 2.365 | 11.94 |
| 8) T     | Diethyl Ether       | 0.996          | 1.009 | 0.792 | 1.037 | 1.102 | 0.987 | 11.79 |
| 9)       | 1,1,2-Trichlorot... | 1.306          | 1.282 | 1.049 | 1.366 | 1.449 | 1.290 | 11.59 |
| 10) M    | 1,1-Dichloroethene  | 1.160          | 1.306 | 1.066 | 1.392 | 1.493 | 1.283 | 13.43 |
| 11)      | Methyl Iodide       | 0.648          | 0.892 | 0.977 | 1.560 | 1.734 | 1.162 | 39.82 |
| 12)      | Methyl Acetate      | 2.590          | 2.768 | 2.292 | 3.063 | 3.279 | 2.798 | 13.87 |
| 13) M    | Acrolein            | 0.275          | 0.180 | 0.157 | 0.225 | 0.304 | 0.228 | 27.02 |
| 14) M    | Acrylonitrile       | 1.141          | 1.224 | 0.974 | 1.333 | 1.394 | 1.213 | 13.63 |
| 15) M    | Acetone             | 0.319          | 0.296 | 0.217 | 0.278 | 0.295 | 0.281 | 13.69 |
| 16) M    | Carbon Disulfide    | 4.690          | 4.487 | 3.743 | 4.799 | 5.085 | 4.561 | 11.08 |
| 17)      | Allyl chloride      | 2.755          | 3.014 | 2.435 | 3.273 | 3.474 | 2.990 | 13.77 |
| 18) M    | Methylene Chloride  | 2.027          | 1.941 | 1.563 | 2.010 | 2.120 | 1.932 | 11.17 |
| 19) M    | trans-1,2-Dichlo... | 2.012          | 1.775 | 1.438 | 1.885 | 2.006 | 1.823 | 12.96 |
| 20) T    | Diisopropyl ether   | 6.086          | 6.963 | 5.642 | 7.441 | 7.887 | 6.804 | 13.69 |
| 21) M    | 1,1-Dichloroethane  | 3.369          | 3.457 | 2.831 | 3.685 | 3.900 | 3.448 | 11.67 |
| 22) M    | cis-1,2-Dichloro... | 2.269          | 2.217 | 1.814 | 2.338 | 2.442 | 2.216 | 10.82 |
| 23) M    | tert-Butyl Alcohol  | 0.466          | 0.472 | 0.380 | 0.510 | 0.524 | 0.470 | 11.96 |
| 24) M    | Methyl tert-Buty... | 5.944          | 6.324 | 5.265 | 6.939 | 7.365 | 6.367 | 12.95 |
| 25) M    | Chloroform          | 3.354          | 3.453 | 2.887 | 3.733 | 3.981 | 3.481 | 11.87 |
| 26)      | Cyclohexane         | 3.272          | 3.133 | 2.590 | 3.367 | 3.562 | 3.185 | 11.54 |
| 27) s    | 1,2-Dichloroetha... | 2.246          | 2.272 | 2.251 | 2.339 | 2.362 | 2.294 | 2.32  |
|          |                     |                |       |       |       |       |       |       |
| 28) I    | 1,4-Difluorobenzene | -----ISTD----- |       |       |       |       |       |       |
| 29)      | 1,1-Dichloropropene | 0.417          | 0.431 | 0.350 | 0.450 | 0.481 | 0.426 | 11.47 |
| 30) M    | 2-Butanone          | 0.296          | 0.312 | 0.254 | 0.334 | 0.346 | 0.309 | 11.72 |
| 31)      | 2,2-Dichloropropane | 0.532          | 0.543 | 0.434 | 0.560 | 0.585 | 0.531 | 10.92 |
| 32) M    | 1,1,1-Trichloroe... | 0.496          | 0.513 | 0.424 | 0.545 | 0.581 | 0.512 | 11.47 |
| 33) M    | Carbon Tetrachlo... | 0.402          | 0.427 | 0.354 | 0.449 | 0.479 | 0.422 | 11.27 |
| 34) M    | Benzene             | 1.354          | 1.412 | 1.148 | 1.483 | 1.569 | 1.393 | 11.40 |
| 35)      | Methacrylonitrile   | 0.342          | 0.353 | 0.285 | 0.384 | 0.403 | 0.353 | 12.77 |
| 36) M    | 1,2-Dichloroethane  | 0.442          | 0.465 | 0.376 | 0.503 | 0.532 | 0.464 | 12.92 |
| 37) M    | Trichloroethene     | 0.322          | 0.318 | 0.262 | 0.337 | 0.351 | 0.318 | 10.67 |
| 38)      | Methylcyclohexane   | 0.573          | 0.539 | 0.456 | 0.576 | 0.603 | 0.549 | 10.40 |
| 39) M    | 1,2-Dichloropropane | 0.340          | 0.346 | 0.295 | 0.379 | 0.393 | 0.351 | 10.88 |
| 40)      | Dibromomethane      | 0.253          | 0.242 | 0.206 | 0.265 | 0.278 | 0.249 | 11.11 |
| 41) M    | Bromodichloromet... | 0.484          | 0.486 | 0.419 | 0.542 | 0.572 | 0.501 | 11.79 |
| 42) M    | Vinyl Acetate       | 1.024          | 1.028 | 0.840 | 1.179 | 1.120 | 1.038 | 12.36 |
| 43)      | Ethyl Acetate       | 0.569          | 0.679 | 0.546 | 0.656 | 0.713 | 0.633 | 11.40 |
| 44)      | Isopropyl Acetate   | 0.938          | 1.010 | 0.843 | 1.103 | 1.159 | 1.011 | 12.50 |
| 45) T    | 1,4-Dioxane         | 0.006          | 0.007 | 0.005 | 0.007 | 0.007 | 0.006 | 11.99 |
| 46)      | Methyl methacrylate | 0.428          | 0.450 | 0.399 | 0.522 | 0.553 | 0.471 | 13.76 |
| 47)      | n-amyl Acetate      | 0.009          | 0.249 | 0.403 | 0.677 | 0.745 | 0.417 | 73.04 |
| 48) M    | t-1,3-Dichloropr... | 0.527          | 0.535 | 0.474 | 0.624 | 0.658 | 0.564 | 13.40 |
| 49) T    | cis-1,3-Dichloro... | 0.574          | 0.564 | 0.502 | 0.641 | 0.679 | 0.592 | 11.71 |
| 50) M    | 1,1,2-Trichloroe... | 0.319          | 0.316 | 0.277 | 0.363 | 0.380 | 0.331 | 12.42 |
| 51)      | Ethyl methacrylate  | 0.526          | 0.570 | 0.509 | 0.682 | 0.712 | 0.600 | 15.36 |
| 52)      | 1,3-Dichloropropane | 0.547          | 0.536 | 0.490 | 0.627 | 0.662 | 0.572 | 12.28 |
| 53) M    | Dibromochloromet... | 0.357          | 0.357 | 0.322 | 0.421 | 0.442 | 0.380 | 13.07 |
| 54) M    | 1,2-Dibromoethane   | 0.333          | 0.326 | 0.293 | 0.385 | 0.405 | 0.348 | 13.04 |
| 55) M    | 2-Chloroethyl vi... | 0.313          | 0.256 | 0.206 | 0.211 | 0.247 | 0.247 | 17.39 |
| 56) M    | Bromoform           | 0.247          | 0.251 | 0.225 | 0.297 | 0.312 | 0.267 | 13.80 |

Method Path : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\  
 Method File : 624N072825W.M

|       |                     | -----ISTD----- |       |       |       |       |       |       |
|-------|---------------------|----------------|-------|-------|-------|-------|-------|-------|
| 57) I | Chlorobenzene-d5    |                |       |       |       |       |       |       |
| 58) M | 4-Methyl-2-Penta... | 0.642          | 0.703 | 0.571 | 0.728 | 0.734 | 0.676 | 10.21 |
| 59) M | 2-Hexanone          | 0.399          | 0.471 | 0.402 | 0.531 | 0.539 | 0.468 | 14.40 |
| 60) S | 4-Bromofluoroben... | 0.484          | 0.493 | 0.486 | 0.505 | 0.495 | 0.493 | 1.72  |
| 61) M | Tetrachloroethene   | 0.285          | 0.282 | 0.238 | 0.303 | 0.315 | 0.285 | 10.27 |
| 62) M | Toluene             | 1.674          | 1.685 | 1.419 | 1.814 | 1.873 | 1.693 | 10.33 |
| 63) S | Toluene-d8          | 1.368          | 1.381 | 1.376 | 1.393 | 1.371 | 1.378 | 0.72  |
| 64) M | Chlorobenzene       | 1.036          | 1.039 | 0.864 | 1.115 | 1.151 | 1.041 | 10.62 |
| 65)   | 1,1,1,2-Tetrachl... | 0.337          | 0.366 | 0.298 | 0.377 | 0.387 | 0.353 | 10.23 |
| 66) M | Ethyl Benzene       | 1.787          | 1.887 | 1.561 | 1.979 | 2.036 | 1.850 | 10.11 |
| 67) M | m/p-Xylenes         | 0.687          | 0.704 | 0.591 | 0.736 | 0.747 | 0.693 | 8.95  |
| 68) M | o-Xylene            | 0.651          | 0.704 | 0.570 | 0.730 | 0.736 | 0.678 | 10.19 |
| 69) M | Styrene             | 1.093          | 1.187 | 0.980 | 1.260 | 1.280 | 1.160 | 10.72 |
| 70)   | Isopropylbenzene    | 1.673          | 1.783 | 1.455 | 1.885 | 1.912 | 1.742 | 10.68 |
| 71) M | 1,1,2,2-Tetrachl... | 0.581          | 0.606 | 0.489 | 0.642 | 0.651 | 0.594 | 10.94 |
| 72)   | 1,2,3-Trichlorop... | 0.454          | 0.599 | 0.456 | 0.598 | 0.594 | 0.540 | 14.44 |
| 73)   | Bromobenzene        | 0.403          | 0.400 | 0.342 | 0.438 | 0.440 | 0.405 | 9.80  |
| 74)   | n-propylbenzene     | 2.077          | 2.197 | 1.818 | 2.310 | 2.351 | 2.151 | 9.97  |
| 75)   | 2-Chlorotoluene     | 1.239          | 1.299 | 1.071 | 1.371 | 1.402 | 1.276 | 10.28 |
| 76)   | 1,3,5-Trimethylb... | 1.388          | 1.478 | 1.220 | 1.550 | 1.579 | 1.443 | 10.04 |
| 77)   | t-1,4-Dichloro-2... | 0.184          | 0.223 | 0.193 | 0.269 | 0.277 | 0.229 | 18.62 |
| 78)   | 4-Chlorotoluene     | 1.273          | 1.348 | 1.098 | 1.404 | 1.429 | 1.311 | 10.15 |
| 79)   | tert-butylbenzene   | 1.209          | 1.280 | 1.063 | 1.338 | 1.343 | 1.247 | 9.34  |
| 80)   | 1,2,4-Trimethylb... | 1.396          | 1.485 | 1.219 | 1.528 | 1.531 | 1.432 | 9.14  |
| 81)   | sec-Butylbenzene    | 1.812          | 1.906 | 1.575 | 1.971 | 1.994 | 1.852 | 9.19  |
| 82)   | p-Isopropyltoluene  | 1.487          | 1.578 | 1.284 | 1.588 | 1.578 | 1.503 | 8.61  |
| 83) M | 1,3-Dichlorobenzene | 0.751          | 0.793 | 0.660 | 0.813 | 0.812 | 0.766 | 8.38  |
| 84) M | 1,4-Dichlorobenzene | 0.802          | 0.829 | 0.671 | 0.844 | 0.859 | 0.801 | 9.47  |
| 85)   | n-Butylbenzene      | 1.503          | 1.537 | 1.283 | 1.608 | 1.637 | 1.514 | 9.21  |
| 86) T | Hexachloroethane    | 0.292          | 0.313 | 0.257 | 0.327 | 0.338 | 0.305 | 10.42 |
| 87) M | 1,2-Dichlorobenzene | 0.704          | 0.758 | 0.642 | 0.805 | 0.813 | 0.745 | 9.66  |
| 88)   | 1,2-Dibromo-3-Ch... | 0.147          | 0.136 | 0.108 | 0.144 | 0.150 | 0.137 | 12.49 |
| 89)   | 1,2,4-Trichlorob... | 0.440          | 0.457 | 0.375 | 0.489 | 0.510 | 0.454 | 11.44 |
| 90)   | Hexachlorobutadiene | 0.178          | 0.172 | 0.144 | 0.185 | 0.186 | 0.173 | 9.84  |
| 91) M | Naphthalene         | 1.629          | 1.720 | 1.424 | 1.868 | 1.941 | 1.716 | 11.90 |
| 92)   | 1,2,3-Trichlorob... | 0.440          | 0.457 | 0.375 | 0.489 | 0.510 | 0.454 | 11.44 |

(#) = Out of Range

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN072825\  
 Data File : VN087419.D  
 Acq On : 28 Jul 2025 09:06  
 Operator : JC\MD  
 Sample : VSTDICC005  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICC005

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 07/28/2025  
 Supervised By : Mahesh Dadoda 07/29/2025

Quant Time: Jul 28 11:25:33 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N072825W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Mon Jul 28 11:25:23 2025  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| -----                        |                |      |            |          |        |          |
| Internal Standards           |                |      |            |          |        |          |
| 1) Bromochloromethane        | 7.794          | 128  | 111157     | 30.000   | ug/l   | 0.00     |
| 28) 1,4-Difluorobenzene      | 9.083          | 114  | 632580     | 30.000   | ug/l   | 0.00     |
| 57) Chlorobenzene-d5         | 11.847         | 117  | 558264     | 30.000   | ug/l   | 0.00     |
|                              |                |      |            |          |        |          |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 27) 1,2-Dichloroethane-d4    | 8.559          | 65   | 249605     | 27.227   | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 91 - 110 |      | Recovery = | 90.767%# |        |          |
| 60) 4-Bromofluorobenzene     | 12.829         | 95   | 270016     | 28.991   | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 63 - 112 |      | Recovery = | 96.633%  |        |          |
| 63) Toluene-d8               | 10.547         | 98   | 763779     | 30.084   | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 91 - 112 |      | Recovery = | 100.267% |        |          |
|                              |                |      |            |          |        |          |
| Target Compounds             |                |      |            |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.142          | 85   | 27662      | 4.067    | ug/l   | 89       |
| 3) Chloromethane             | 2.383          | 50   | 33177      | 4.911    | ug/l   | 95       |
| 4) Vinyl Chloride            | 2.542          | 62   | 34614      | 4.649    | ug/l   | 96       |
| 5) Bromomethane              | 2.983          | 94   | 16578      | 3.598    | ug/l   | 95       |
| 6) Chloroethane              | 3.136          | 64   | 19448      | 3.399    | ug/l   | 91       |
| 7) Trichlorofluoromethane    | 3.512          | 101  | 42333      | 3.343    | ug/l   | 95       |
| 8) Diethyl Ether             | 3.965          | 74   | 18452      | 3.661    | ug/l   | 96       |
| 9) 1,1,2-Trichlorotrifluo... | 4.371          | 101  | 24197      | 3.606    | ug/l   | 43       |
| 10) 1,1-Dichloroethene       | 4.336          | 96   | 21489      | 3.085    | ug/l # | 89       |
| 11) Methyl Iodide            | 4.577          | 142  | 12010      | 2.363    | ug/l # | 76       |
| 12) Methyl Acetate           | 5.012          | 43   | 47978      | 5.295    | ug/l   | 97       |
| 13) Acrolein                 | 4.171          | 56   | 25461m     | 15.455   | ug/l   |          |
| 14) Acrylonitrile            | 5.712          | 53   | 105735     | 25.551   | ug/l   | 95       |
| 15) Acetone                  | 4.424          | 58   | 29546      | 20.223   | ug/l   | 86       |
| 16) Carbon Disulfide         | 4.700          | 76   | 86888      | 4.829    | ug/l   | 96       |
| 17) Allyl chloride           | 5.012          | 41   | 51046      | 5.349    | ug/l   | 85       |
| 18) Methylene Chloride       | 5.253          | 84   | 37558m     | 5.327    | ug/l   |          |
| 19) trans-1,2-Dichloroethene | 5.777          | 96   | 37272m     | 5.448    | ug/l   |          |
| 20) Diisopropyl ether        | 6.653          | 45   | 112757     | 4.672    | ug/l   | 96       |
| 21) 1,1-Dichloroethane       | 6.547          | 63   | 62412      | 4.842    | ug/l   | 100      |
| 22) cis-1,2-Dichloroethene   | 7.471          | 96   | 42036      | 5.245    | ug/l   | 94       |
| 23) tert-Butyl Alcohol       | 5.524          | 59   | 43138m     | 30.416   | ug/l   |          |
| 24) Methyl tert-Butyl Ether  | 5.789          | 73   | 110119     | 4.891    | ug/l   | 96       |
| 25) Chloroform               | 7.947          | 83   | 62140      | 4.402    | ug/l   | 95       |
| 26) Cyclohexane              | 8.241          | 56   | 60612      | 6.308    | ug/l # | 93       |
| 29) 1,1-Dichloropropene      | 8.353          | 75   | 44005      | 4.077    | ug/l   | 93       |
| 30) 2-Butanone               | 7.471          | 43   | 156277     | 21.262   | ug/l # | 95       |
| 31) 2,2-Dichloropropane      | 7.477          | 77   | 56115      | 3.959    | ug/l   | 96       |
| 32) 1,1,1-Trichloroethane    | 8.153          | 97   | 52285      | 3.702    | ug/l   | 97       |
| 33) Carbon Tetrachloride     | 8.341          | 117  | 42422      | 3.457    | ug/l   | 95       |
| 34) Benzene                  | 8.588          | 78   | 142708     | 4.094    | ug/l # | 85       |
| 35) Methacrylonitrile        | 7.771          | 41   | 36058      | 4.665    | ug/l   | 88       |
| 36) 1,2-Dichloroethane       | 8.653          | 62   | 46622      | 3.390    | ug/l # | 90       |
| 37) Trichloroethene          | 9.335          | 130  | 33934      | 4.266    | ug/l   | 94       |
| 38) Methylcyclohexane        | 9.583          | 83   | 60463      | 5.300    | ug/l   | 94       |
| 39) 1,2-Dichloropropane      | 9.600          | 63   | 35882      | 4.098    | ug/l   | 98       |
| 40) Dibromomethane           | 9.688          | 93   | 26662      | 3.935    | ug/l   | 75       |
| 41) Bromodichloromethane     | 9.871          | 83   | 51054      | 3.795    | ug/l   | 97       |
| 42) Vinyl Acetate            | 6.589          | 43   | 539799     | 21.680   | ug/l   | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN072825\  
 Data File : VN087419.D  
 Acq On : 28 Jul 2025 09:06  
 Operator : JC\MD  
 Sample : VSTDIC005  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDIC005

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 07/28/2025  
 Supervised By : Mahesh Dadoda 07/29/2025

Quant Time: Jul 28 11:25:33 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N072825W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Mon Jul 28 11:25:23 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 43) Ethyl Acetate             | 7.547  | 43   | 59963    | 4.007  | ug/l # | 70       |
| 44) Isopropyl Acetate         | 8.671  | 43   | 98859    | 4.185  | ug/l   | 99       |
| 45) 1,4-Dioxane               | 9.682  | 88   | 13370    | 91.864 | ug/l # | 65       |
| 46) Methyl methacrylate       | 9.665  | 41   | 45109    | 4.147  | ug/l   | 93       |
| 48) t-1,3-Dichloropropene     | 10.818 | 75   | 55578    | 3.873  | ug/l   | 100      |
| 49) cis-1,3-Dichloropropene   | 10.294 | 75   | 60505    | 4.216  | ug/l   | 94       |
| 50) 1,1,2-Trichloroethane     | 11.000 | 97   | 33604    | 3.841  | ug/l   | 97       |
| 51) Ethyl methacrylate        | 10.859 | 69   | 55437    | 4.143  | ug/l   | 86       |
| 52) 1,3-Dichloropropane       | 11.147 | 76   | 57620    | 3.830  | ug/l   | 98       |
| 53) Dibromochloromethane      | 11.341 | 129  | 37647    | 3.671  | ug/l   | 94       |
| 54) 1,2-Dibromoethane         | 11.447 | 107  | 35135    | 3.918  | ug/l   | 98       |
| 55) 2-Chloroethyl vinyl ether | 10.141 | 63   | 164801   | 22.140 | ug/l   | 99       |
| 56) Bromoform                 | 12.565 | 173  | 26052    | 3.572  | ug/l   | 99       |
| 58) 4-Methyl-2-Pentanone      | 10.430 | 43   | 298702   | 21.881 | ug/l   | 99       |
| 59) 2-Hexanone                | 11.182 | 43   | 185403   | 20.122 | ug/l   | 96       |
| 61) Tetrachloroethene         | 11.088 | 164  | 26530    | 4.256  | ug/l   | 93       |
| 62) Toluene                   | 10.612 | 91   | 155772   | 4.582  | ug/l   | 96       |
| 64) Chlorobenzene             | 11.871 | 112  | 96389    | 4.434  | ug/l   | 97       |
| 65) 1,1,1,2-Tetrachloroethane | 11.941 | 131  | 31396    | 3.952  | ug/l   | 95       |
| 66) Ethyl Benzene             | 11.941 | 91   | 166263   | 4.517  | ug/l   | 98       |
| 67) m/p-Xylenes               | 12.053 | 106  | 127883   | 8.779  | ug/l   | 99       |
| 68) o-Xylene                  | 12.376 | 106  | 60554    | 4.334  | ug/l   | 93       |
| 69) Styrene                   | 12.394 | 104  | 101722   | 4.184  | ug/l   | 97       |
| 70) Isopropylbenzene          | 12.676 | 105  | 155707   | 4.425  | ug/l   | 97       |
| 71) 1,1,2,2-Tetrachloroethane | 12.918 | 83   | 54103    | 4.370  | ug/l   | 99       |
| 72) 1,2,3-Trichloropropane    | 12.971 | 75   | 42197m   | 3.815  | ug/l   |          |
| 73) Bromobenzene              | 12.959 | 156  | 37530    | 4.097  | ug/l   | 96       |
| 74) n-propylbenzene           | 13.012 | 91   | 193226   | 4.348  | ug/l   | 99       |
| 75) 2-Chlorotoluene           | 13.106 | 91   | 115299   | 4.320  | ug/l   | 98       |
| 76) 1,3,5-Trimethylbenzene    | 13.153 | 105  | 129179   | 4.220  | ug/l   | 98       |
| 77) t-1,4-Dichloro-2-butene   | 12.718 | 75   | 17137    | 3.877  | ug/l # | 79       |
| 78) 4-Chlorotoluene           | 13.206 | 91   | 118459   | 4.161  | ug/l   | 95       |
| 79) tert-butylbenzene         | 13.418 | 119  | 112446   | 4.325  | ug/l   | 97       |
| 80) 1,2,4-Trimethylbenzene    | 13.465 | 105  | 129913   | 4.157  | ug/l   | 100      |
| 81) sec-Butylbenzene          | 13.594 | 105  | 168636   | 4.495  | ug/l   | 97       |
| 82) p-Isopropyltoluene        | 13.706 | 119  | 138314   | 4.295  | ug/l   | 96       |
| 83) 1,3-Dichlorobenzene       | 13.712 | 146  | 69907    | 3.788  | ug/l   | 98       |
| 84) 1,4-Dichlorobenzene       | 13.794 | 146  | 74654    | 4.098  | ug/l   | 96       |
| 85) n-Butylbenzene            | 14.035 | 91   | 139856   | 4.716  | ug/l   | 100      |
| 86) Hexachloroethane          | 14.312 | 117  | 27185    | 4.338  | ug/l   | 89       |
| 87) 1,2-Dichlorobenzene       | 14.088 | 146  | 65516    | 3.770  | ug/l   | 96       |
| 88) 1,2-Dibromo-3-Chloropr... | 14.694 | 75   | 13709    | 4.760  | ug/l # | 86       |
| 89) 1,2,4-Trichlorobenzene    | 15.817 | 180  | 40939    | 4.084  | ug/l   | 100      |
| 90) Hexachlorobutadiene       | 15.476 | 225  | 16528    | 3.998  | ug/l   | 95       |
| 91) Naphthalene               | 15.617 | 128  | 151552   | 4.542  | ug/l   | 99       |
| 92) 1,2,3-Trichlorobenzene    | 15.817 | 180  | 40939    | 4.084  | ug/l   | 100      |

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

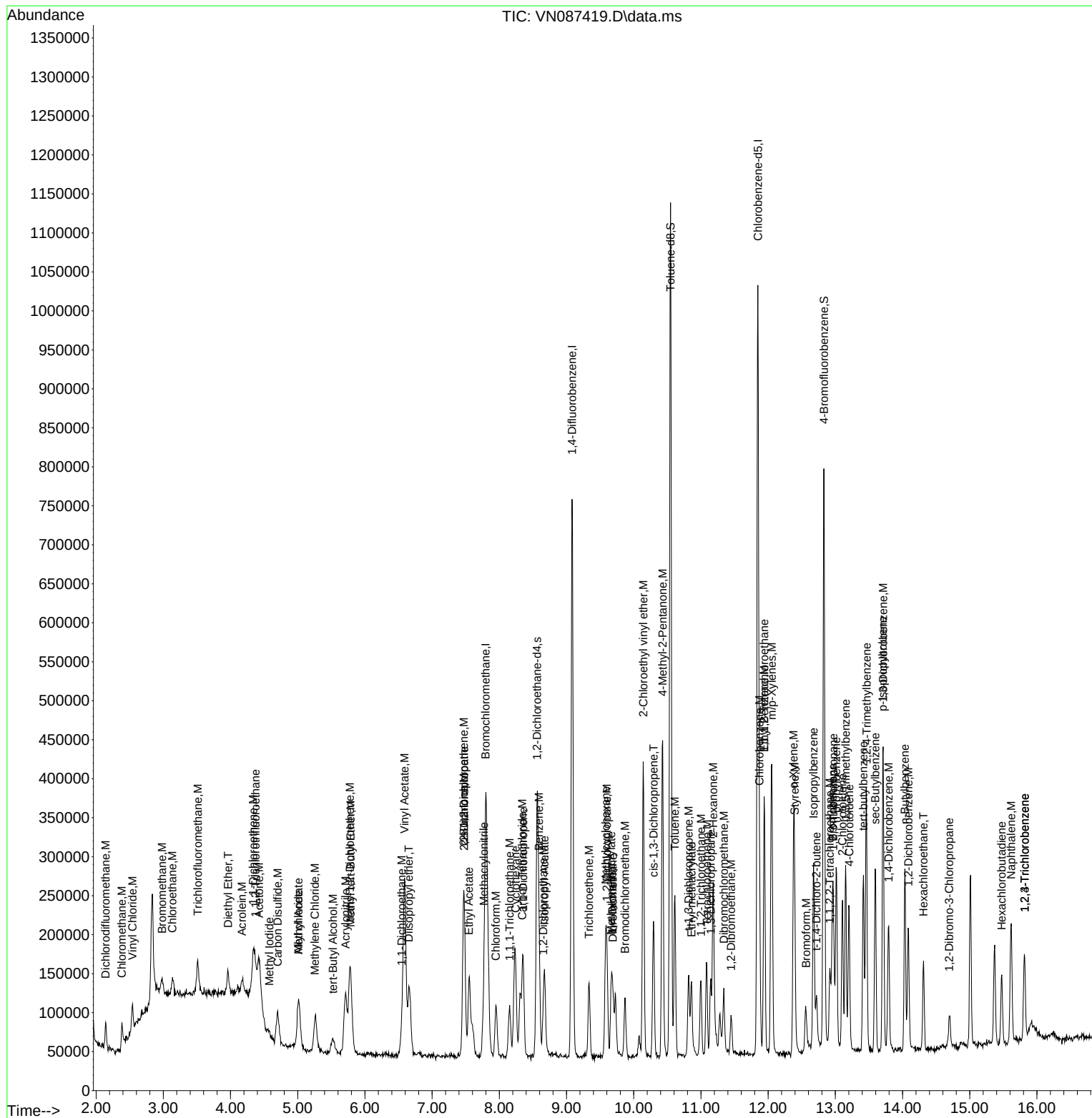
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN072825\  
Data File : VN087419.D  
Acq On : 28 Jul 2025 09:06  
Operator : JC\MD  
Sample : VSTDIC005  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**  
MSVOA\_N  
**ClientSampleId :**  
VSTDICC005

## Manual Integrations APPROVED

Reviewed By :John Carlone 07/28/2025  
Supervised By :Mahesh Dadoda 07/29/2025

Quant Time: Jul 28 11:25:33 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N072825W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Mon Jul 28 11:25:23 2025  
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN072825\  
 Data File : VN087420.D  
 Acq On : 28 Jul 2025 10:06  
 Operator : JC\MD  
 Sample : VSTDICCC020  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICCC020

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 07/28/2025  
 Supervised By : Mahesh Dadoda 07/29/2025

Quant Time: Jul 28 11:27:53 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N072825W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Mon Jul 28 11:25:23 2025  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| -----                        |                |      |            |          |        |          |
| Internal Standards           |                |      |            |          |        |          |
| 1) Bromochloromethane        | 7.800          | 128  | 104668     | 30.000   | ug/l   | 0.00     |
| 28) 1,4-Difluorobenzene      | 9.082          | 114  | 586753     | 30.000   | ug/l   | 0.00     |
| 57) Chlorobenzene-d5         | 11.847         | 117  | 490436     | 30.000   | ug/l   | 0.00     |
|                              |                |      |            |          |        |          |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 27) 1,2-Dichloroethane-d4    | 8.559          | 65   | 237825     | 27.551   | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 91 - 110 |      | Recovery = | 91.833%  |        |          |
| 60) 4-Bromofluorobenzene     | 12.829         | 95   | 241964     | 29.572   | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 63 - 112 |      | Recovery = | 98.567%  |        |          |
| 63) Toluene-d8               | 10.547         | 98   | 677131     | 30.360   | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 91 - 112 |      | Recovery = | 101.200% |        |          |
|                              |                |      |            |          |        |          |
| Target Compounds             |                |      |            |          |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 2.148          | 85   | 126885     | 19.812   | ug/l   | 87       |
| 3) Chloromethane             | 2.383          | 50   | 130749     | 20.554   | ug/l   | 97       |
| 4) Vinyl Chloride            | 2.542          | 62   | 131642     | 18.777   | ug/l   | 94       |
| 5) Bromomethane              | 2.983          | 94   | 62595      | 14.428   | ug/l   | 88       |
| 6) Chloroethane              | 3.142          | 64   | 75489m     | 14.011   | ug/l   |          |
| 7) Trichlorofluoromethane    | 3.512          | 101  | 161939     | 13.582   | ug/l   | 94       |
| 8) Diethyl Ether             | 3.965          | 74   | 70440      | 14.842   | ug/l   | 94       |
| 9) 1,1,2-Trichlorotrifluo... | 4.365          | 101  | 89459      | 14.158   | ug/l # | 70       |
| 10) 1,1-Dichloroethene       | 4.336          | 96   | 91154      | 13.895   | ug/l   | 91       |
| 11) Methyl Iodide            | 4.577          | 142  | 62220      | 13.002   | ug/l   | 83       |
| 12) Methyl Acetate           | 5.024          | 43   | 193158     | 22.638   | ug/l   | 96       |
| 13) Acrolein                 | 4.183          | 56   | 62956      | 40.585   | ug/l   | 97       |
| 14) Acrylonitrile            | 5.712          | 53   | 427024     | 109.587  | ug/l   | 98       |
| 15) Acetone                  | 4.430          | 58   | 103271     | 75.066   | ug/l   | 80       |
| 16) Carbon Disulfide         | 4.706          | 76   | 313125     | 18.483   | ug/l   | 100      |
| 17) Allyl chloride           | 5.012          | 41   | 210346     | 23.407   | ug/l   | 87       |
| 18) Methylene Chloride       | 5.259          | 84   | 135417m    | 20.397   | ug/l   |          |
| 19) trans-1,2-Dichloroethene | 5.771          | 96   | 123838     | 19.223   | ug/l   | 93       |
| 20) Diisopropyl ether        | 6.659          | 45   | 485852     | 21.380   | ug/l   | 94       |
| 21) 1,1-Dichloroethane       | 6.559          | 63   | 241230     | 19.875   | ug/l   | 95       |
| 22) cis-1,2-Dichloroethene   | 7.471          | 96   | 154680     | 20.498   | ug/l   | 98       |
| 23) tert-Butyl Alcohol       | 5.524          | 59   | 164521     | 123.192  | ug/l # | 100      |
| 24) Methyl tert-Butyl Ether  | 5.789          | 73   | 441292     | 20.816   | ug/l   | 99       |
| 25) Chloroform               | 7.953          | 83   | 240943     | 18.125   | ug/l   | 94       |
| 26) Cyclohexane              | 8.241          | 56   | 218606     | 24.160   | ug/l # | 95       |
| 29) 1,1-Dichloropropene      | 8.353          | 75   | 168718     | 16.854   | ug/l   | 98       |
| 30) 2-Butanone               | 7.471          | 43   | 609764     | 89.439   | ug/l   | 99       |
| 31) 2,2-Dichloropropane      | 7.477          | 77   | 212234     | 16.143   | ug/l   | 95       |
| 32) 1,1,1-Trichloroethane    | 8.153          | 97   | 200721     | 15.320   | ug/l   | 99       |
| 33) Carbon Tetrachloride     | 8.347          | 117  | 167018     | 14.674   | ug/l   | 97       |
| 34) Benzene                  | 8.588          | 78   | 552319     | 17.083   | ug/l   | 96       |
| 35) Methacrylonitrile        | 7.765          | 41   | 137977     | 19.245   | ug/l   | 91       |
| 36) 1,2-Dichloroethane       | 8.659          | 62   | 181866m    | 14.259   | ug/l   |          |
| 37) Trichloroethene          | 9.335          | 130  | 124348     | 16.853   | ug/l   | 93       |
| 38) Methylcyclohexane        | 9.582          | 83   | 210652     | 19.906   | ug/l   | 96       |
| 39) 1,2-Dichloropropane      | 9.606          | 63   | 135182     | 16.643   | ug/l   | 94       |
| 40) Dibromomethane           | 9.688          | 93   | 94554      | 15.046   | ug/l   | 98       |
| 41) Bromodichloromethane     | 9.871          | 83   | 190135     | 15.239   | ug/l   | 87       |
| 42) Vinyl Acetate            | 6.588          | 43   | 2011260    | 87.087   | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN072825\  
 Data File : VN087420.D  
 Acq On : 28 Jul 2025 10:06  
 Operator : JC\MD  
 Sample : VSTDICCC020  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICCC020

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 07/28/2025  
 Supervised By : Mahesh Dadoda 07/29/2025

Quant Time: Jul 28 11:27:53 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N072825W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Mon Jul 28 11:25:23 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 43) Ethyl Acetate             | 7.547  | 43   | 265642m  | 19.139  | ug/l   |          |
| 44) Isopropyl Acetate         | 8.677  | 43   | 394930   | 18.024  | ug/l   | 100      |
| 45) 1,4-Dioxane               | 9.682  | 88   | 53161    | 393.794 | ug/l # | 58       |
| 46) Methyl methacrylate       | 9.665  | 41   | 176163   | 17.459  | ug/l   | 96       |
| 47) n-amyl Acetate            | 12.518 | 43   | 97455    | 7.422   | ug/l # | 66       |
| 48) t-1,3-Dichloropropene     | 10.818 | 75   | 209390   | 15.731  | ug/l   | 96       |
| 49) cis-1,3-Dichloropropene   | 10.294 | 75   | 220552   | 16.568  | ug/l   | 98       |
| 50) 1,1,2-Trichloroethane     | 11.000 | 97   | 123760   | 15.249  | ug/l   | 94       |
| 51) Ethyl methacrylate        | 10.859 | 69   | 223041   | 17.971  | ug/l   | 98       |
| 52) 1,3-Dichloropropane       | 11.147 | 76   | 209626   | 15.022  | ug/l   | 100      |
| 53) Dibromochloromethane      | 11.341 | 129  | 139794   | 14.696  | ug/l   | 98       |
| 54) 1,2-Dibromoethane         | 11.447 | 107  | 127613   | 15.340  | ug/l   | 99       |
| 55) 2-Chloroethyl vinyl ether | 10.141 | 63   | 501216   | 72.595  | ug/l   | 98       |
| 56) Bromoform                 | 12.559 | 173  | 98259    | 14.524  | ug/l   | 100      |
| 58) 4-Methyl-2-Pentanone      | 10.429 | 43   | 1149475  | 95.850  | ug/l   | 99       |
| 59) 2-Hexanone                | 11.182 | 43   | 770544   | 95.193  | ug/l   | 97       |
| 61) Tetrachloroethene         | 11.082 | 164  | 92302    | 16.853  | ug/l # | 89       |
| 62) Toluene                   | 10.612 | 91   | 551064   | 18.450  | ug/l   | 97       |
| 64) Chlorobenzene             | 11.871 | 112  | 339856   | 17.798  | ug/l   | 97       |
| 65) 1,1,1,2-Tetrachloroethane | 11.941 | 131  | 119776   | 17.164  | ug/l   | 95       |
| 66) Ethyl Benzene             | 11.941 | 91   | 616868   | 19.077  | ug/l   | 95       |
| 67) m/p-Xylenes               | 12.053 | 106  | 460356   | 35.975  | ug/l   | 98       |
| 68) o-Xylene                  | 12.376 | 106  | 230015   | 18.738  | ug/l   | 100      |
| 69) Styrene                   | 12.394 | 104  | 388194   | 18.176  | ug/l   | 100      |
| 70) Isopropylbenzene          | 12.676 | 105  | 583004   | 18.858  | ug/l   | 99       |
| 71) 1,1,2,2-Tetrachloroethane | 12.917 | 83   | 198171   | 18.222  | ug/l   | 95       |
| 72) 1,2,3-Trichloropropane    | 12.976 | 75   | 195964m  | 20.169  | ug/l   |          |
| 73) Bromobenzene              | 12.959 | 156  | 130858   | 16.262  | ug/l   | 91       |
| 74) n-propylbenzene           | 13.012 | 91   | 718289   | 18.398  | ug/l   | 99       |
| 75) 2-Chlorotoluene           | 13.106 | 91   | 424649   | 18.110  | ug/l   | 99       |
| 76) 1,3,5-Trimethylbenzene    | 13.153 | 105  | 483204   | 17.969  | ug/l   | 100      |
| 77) t-1,4-Dichloro-2-butene   | 12.717 | 75   | 73038    | 18.810  | ug/l   | 94       |
| 78) 4-Chlorotoluene           | 13.200 | 91   | 440861   | 17.629  | ug/l   | 97       |
| 79) tert-butylbenzene         | 13.417 | 119  | 418588   | 18.329  | ug/l   | 99       |
| 80) 1,2,4-Trimethylbenzene    | 13.459 | 105  | 485562   | 17.688  | ug/l   | 96       |
| 81) sec-Butylbenzene          | 13.594 | 105  | 623158   | 18.907  | ug/l   | 99       |
| 82) p-Isopropyltoluene        | 13.706 | 119  | 515943   | 18.239  | ug/l   | 96       |
| 83) 1,3-Dichlorobenzene       | 13.712 | 146  | 259135   | 15.983  | ug/l   | 99       |
| 84) 1,4-Dichlorobenzene       | 13.788 | 146  | 271082   | 16.939  | ug/l   | 98       |
| 85) n-Butylbenzene            | 14.035 | 91   | 502453   | 19.286  | ug/l   | 98       |
| 86) Hexachloroethane          | 14.312 | 117  | 102213   | 18.568  | ug/l   | 96       |
| 87) 1,2-Dichlorobenzene       | 14.082 | 146  | 247872   | 16.238  | ug/l   | 96       |
| 88) 1,2-Dibromo-3-Chloropr... | 14.700 | 75   | 44493    | 17.584  | ug/l   | 96       |
| 89) 1,2,4-Trichlorobenzene    | 15.811 | 180  | 149474   | 16.974  | ug/l   | 98       |
| 90) Hexachlorobutadiene       | 15.476 | 225  | 56252    | 15.487  | ug/l   | 99       |
| 91) Naphthalene               | 15.611 | 128  | 562350   | 19.187  | ug/l   | 100      |
| 92) 1,2,3-Trichlorobenzene    | 15.811 | 180  | 149474   | 16.974  | ug/l   | 98       |

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

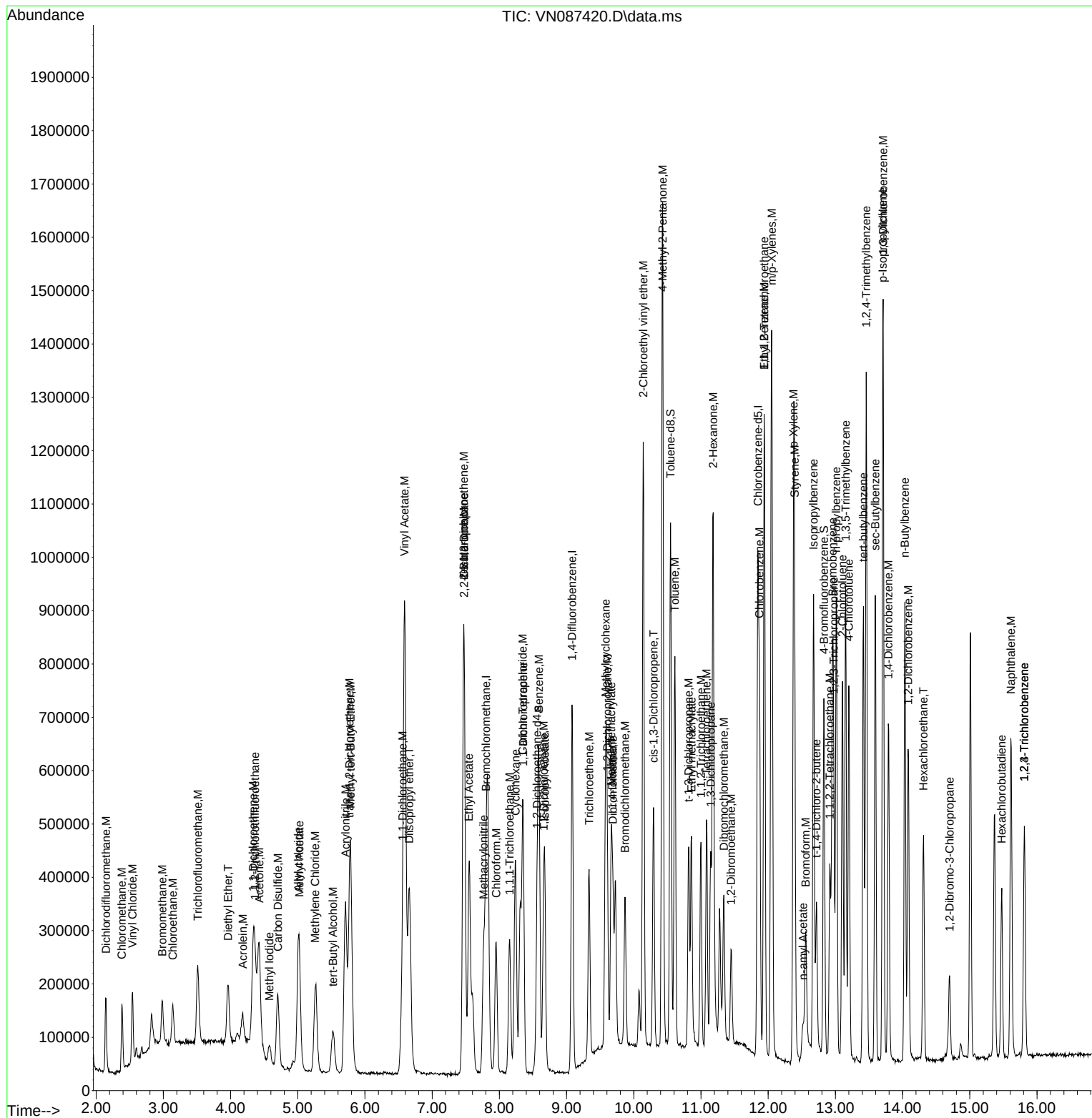
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Data File : VN087420.D  
Acq On    : 28 Jul 2025  10:06  
Operator  : JC\MD  
Sample    : VSTDICCC020  
Misc      : 5.0mL/MSVOA_N/WATER  
ALS Vial  : 4    Sample Multiplier: 1
```

**Instrument :**  
MSVOA\_N  
**ClientSampleId :**  
VSTDICCC020

## Manual Integrations APPROVED

Reviewed By :John Carlone 07/28/2025  
Supervised By :Mahesh Dadoda 07/29/2025

Quant Time: Jul 28 11:27:53 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N072825W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Mon Jul 28 11:25:23 2025  
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN072825\  
 Data File : VN087421.D  
 Acq On : 28 Jul 2025 10:27  
 Operator : JC\MD  
 Sample : VSTDICC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICC050

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 07/28/2025  
 Supervised By : Mahesh Dadoda 07/29/2025

Quant Time: Jul 28 11:29:49 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N072825W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Mon Jul 28 11:25:23 2025  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| -----                        |                |      |            |          |        |          |
| Internal Standards           |                |      |            |          |        |          |
| 1) Bromochloromethane        | 7.800          | 128  | 104056     | 30.000   | ug/l   | 0.00     |
| 28) 1,4-Difluorobenzene      | 9.083          | 114  | 582372     | 30.000   | ug/l   | 0.00     |
| 57) Chlorobenzene-d5         | 11.847         | 117  | 518227     | 30.000   | ug/l   | 0.00     |
|                              |                |      |            |          |        |          |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 27) 1,2-Dichloroethane-d4    | 8.565          | 65   | 234251     | 27.296   | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 91 - 110 |      | Recovery = | 91.000%  |        |          |
| 60) 4-Bromofluorobenzene     | 12.829         | 95   | 251797     | 29.123   | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 63 - 112 |      | Recovery = | 97.067%  |        |          |
| 63) Toluene-d8               | 10.547         | 98   | 713184     | 30.261   | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 91 - 112 |      | Recovery = | 100.867% |        |          |
|                              |                |      |            |          |        |          |
| Target Compounds             |                |      |            |          |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 2.142          | 85   | 245888     | 38.620   | ug/l   | 92       |
| 3) Chloromethane             | 2.383          | 50   | 259384     | 41.016   | ug/l   | 97       |
| 4) Vinyl Chloride            | 2.542          | 62   | 262437     | 37.653   | ug/l   | 95       |
| 5) Bromomethane              | 2.983          | 94   | 130747     | 30.315   | ug/l   | 92       |
| 6) Chloroethane              | 3.136          | 64   | 150376m    | 28.073   | ug/l   |          |
| 7) Trichlorofluoromethane    | 3.512          | 101  | 340827     | 28.754   | ug/l   | 94       |
| 8) Diethyl Ether             | 3.965          | 74   | 137366     | 29.113   | ug/l   | 97       |
| 9) 1,1,2-Trichlorotrifluo... | 4.371          | 101  | 181873     | 28.953   | ug/l # | 72       |
| 10) 1,1-Dichloroethene       | 4.336          | 96   | 184843     | 28.343   | ug/l   | 92       |
| 11) Methyl Iodide            | 4.583          | 142  | 169435     | 35.615   | ug/l   | 83       |
| 12) Methyl Acetate           | 5.018          | 43   | 397450     | 46.854   | ug/l   | 100      |
| 13) Acrolein                 | 4.177          | 56   | 136233     | 88.340   | ug/l   | 95       |
| 14) Acrylonitrile            | 5.706          | 53   | 845001     | 218.128  | ug/l   | 97       |
| 15) Acetone                  | 4.424          | 58   | 188498     | 137.822  | ug/l   | 98       |
| 16) Carbon Disulfide         | 4.700          | 76   | 649186     | 38.545   | ug/l   | 98       |
| 17) Allyl chloride           | 5.012          | 41   | 422244     | 47.263   | ug/l   | 86       |
| 18) Methylene Chloride       | 5.265          | 84   | 271116     | 41.076   | ug/l # | 86       |
| 19) trans-1,2-Dichloroethene | 5.777          | 96   | 249424     | 38.945   | ug/l   | 90       |
| 20) Diisopropyl ether        | 6.659          | 45   | 978423     | 43.310   | ug/l   | 96       |
| 21) 1,1-Dichloroethane       | 6.553          | 63   | 490965     | 40.689   | ug/l   | 94       |
| 22) cis-1,2-Dichloroethene   | 7.471          | 96   | 314681     | 41.947   | ug/l   | 98       |
| 23) tert-Butyl Alcohol       | 5.524          | 59   | 329582     | 248.240  | ug/l # | 100      |
| 24) Methyl tert-Butyl Ether  | 5.789          | 73   | 913143     | 43.327   | ug/l   | 99       |
| 25) Chloroform               | 7.953          | 83   | 500601     | 37.880   | ug/l   | 97       |
| 26) Cyclohexane              | 8.241          | 56   | 449110     | 49.926   | ug/l # | 93       |
| 29) 1,1-Dichloropropene      | 8.353          | 75   | 339352     | 34.154   | ug/l   | 97       |
| 30) 2-Butanone               | 7.471          | 43   | 1232374    | 182.123  | ug/l   | 99       |
| 31) 2,2-Dichloropropane      | 7.471          | 77   | 420772     | 32.246   | ug/l   | 95       |
| 32) 1,1,1-Trichloroethane    | 8.153          | 97   | 412028     | 31.684   | ug/l   | 99       |
| 33) Carbon Tetrachloride     | 8.347          | 117  | 343165     | 30.376   | ug/l   | 95       |
| 34) Benzene                  | 8.588          | 78   | 1114078    | 34.717   | ug/l   | 95       |
| 35) Methacrylonitrile        | 7.765          | 41   | 277074     | 38.938   | ug/l   | 94       |
| 36) 1,2-Dichloroethane       | 8.653          | 62   | 364910     | 28.825   | ug/l   | 97       |
| 37) Trichloroethene          | 9.335          | 130  | 254332     | 34.729   | ug/l   | 99       |
| 38) Methylcyclohexane        | 9.583          | 83   | 442244     | 42.104   | ug/l   | 96       |
| 39) 1,2-Dichloropropane      | 9.606          | 63   | 286553     | 35.545   | ug/l   | 96       |
| 40) Dibromomethane           | 9.694          | 93   | 199678     | 32.014   | ug/l   | 99       |
| 41) Bromodichloromethane     | 9.871          | 83   | 406835     | 32.851   | ug/l   | 92       |
| 42) Vinyl Acetate            | 6.594          | 43   | 4078744    | 177.937  | ug/l   | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN072825\  
 Data File : VN087421.D  
 Acq On : 28 Jul 2025 10:27  
 Operator : JC\MD  
 Sample : VSTDICC050  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICC050

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 07/28/2025  
 Supervised By : Mahesh Dadoda 07/29/2025

Quant Time: Jul 28 11:29:49 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N072825W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Mon Jul 28 11:25:23 2025  
 Response via : Initial Calibration

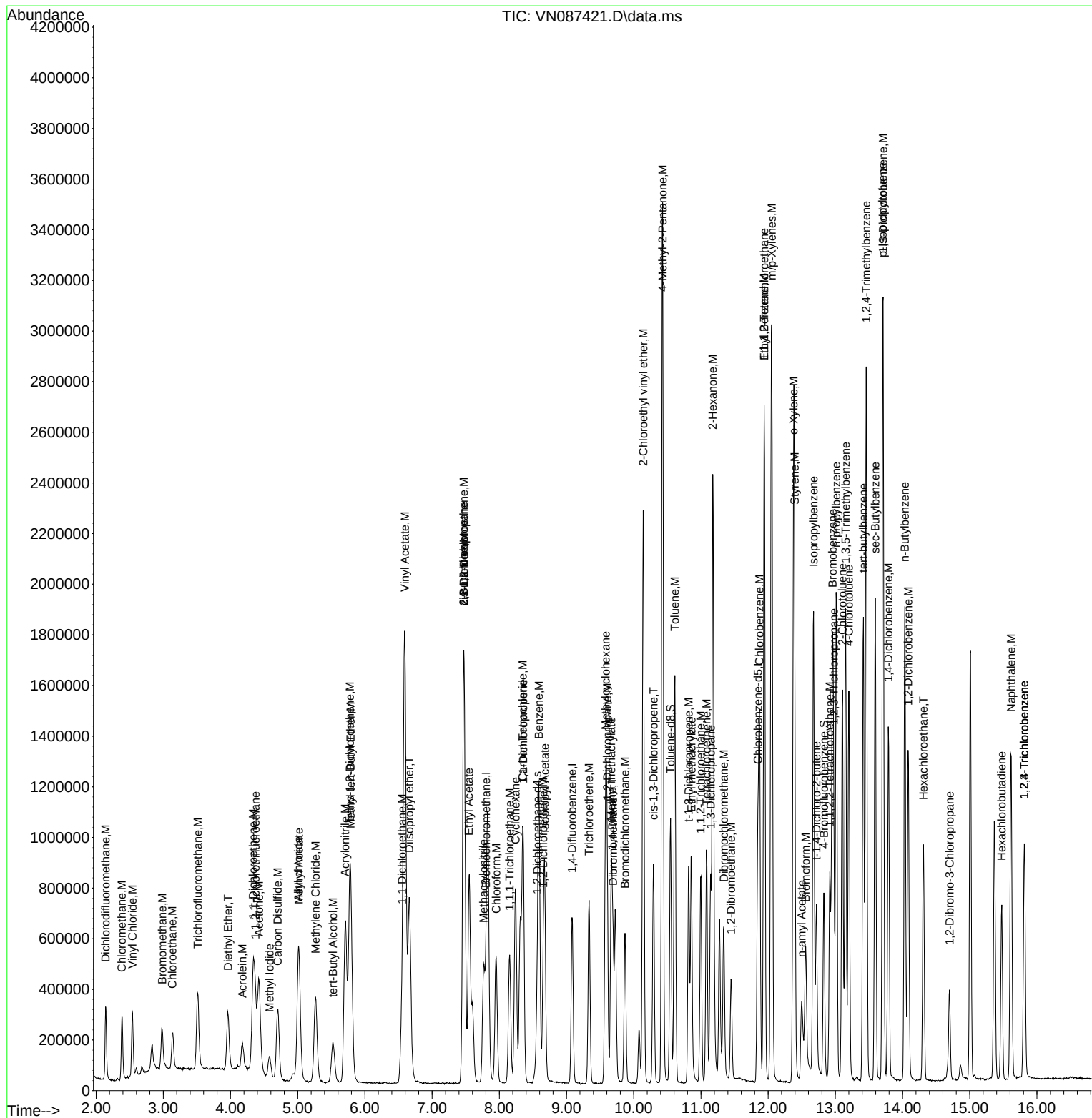
| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 43) Ethyl Acetate             | 7.547  | 43   | 529612m  | 38.446  | ug/l   |          |
| 44) Isopropyl Acetate         | 8.677  | 43   | 818584   | 37.640  | ug/l   | 99       |
| 45) 1,4-Dioxane               | 9.683  | 88   | 99119    | 739.755 | ug/l # | 54       |
| 46) Methyl methacrylate       | 9.665  | 41   | 387675   | 38.710  | ug/l   | 96       |
| 47) n-amyl Acetate            | 12.500 | 43   | 391335   | 30.027  | ug/l # | 69       |
| 48) t-1,3-Dichloropropene     | 10.818 | 75   | 459614   | 34.790  | ug/l   | 97       |
| 49) cis-1,3-Dichloropropene   | 10.294 | 75   | 487320   | 36.883  | ug/l   | 93       |
| 50) 1,1,2-Trichloroethane     | 10.994 | 97   | 268781   | 33.367  | ug/l   | 95       |
| 51) Ethyl methacrylate        | 10.859 | 69   | 493799   | 40.086  | ug/l   | 97       |
| 52) 1,3-Dichloropropane       | 11.147 | 76   | 475675   | 34.345  | ug/l   | 98       |
| 53) Dibromochloromethane      | 11.341 | 129  | 312618   | 33.112  | ug/l   | 99       |
| 54) 1,2-Dibromoethane         | 11.447 | 107  | 284615   | 34.470  | ug/l   | 99       |
| 55) 2-Chloroethyl vinyl ether | 10.141 | 63   | 1001321  | 146.121 | ug/l   | 98       |
| 56) Bromoform                 | 12.559 | 173  | 218091   | 32.479  | ug/l   | 100      |
| 58) 4-Methyl-2-Pentanone      | 10.430 | 43   | 2465965  | 194.599 | ug/l   | 99       |
| 59) 2-Hexanone                | 11.177 | 43   | 1735360  | 202.889 | ug/l   | 97       |
| 61) Tetrachloroethene         | 11.082 | 164  | 205829   | 35.567  | ug/l   | 93       |
| 62) Toluene                   | 10.612 | 91   | 1225674  | 38.836  | ug/l   | 97       |
| 64) Chlorobenzene             | 11.871 | 112  | 746442   | 36.994  | ug/l   | 97       |
| 65) 1,1,1,2-Tetrachloroethane | 11.941 | 131  | 256968   | 34.849  | ug/l   | 97       |
| 66) Ethyl Benzene             | 11.941 | 91   | 1348264  | 39.459  | ug/l   | 97       |
| 67) m/p-Xylenes               | 12.053 | 106  | 1020622  | 75.480  | ug/l   | 99       |
| 68) o-Xylene                  | 12.376 | 106  | 492694   | 37.985  | ug/l   | 96       |
| 69) Styrene                   | 12.394 | 104  | 846783   | 37.523  | ug/l   | 99       |
| 70) Isopropylbenzene          | 12.676 | 105  | 1256635  | 38.467  | ug/l   | 98       |
| 71) 1,1,2,2-Tetrachloroethane | 12.918 | 83   | 422439   | 36.760  | ug/l   | 95       |
| 72) 1,2,3-Trichloropropane    | 12.976 | 75   | 393969m  | 38.374  | ug/l   |          |
| 73) Bromobenzene              | 12.959 | 156  | 295472   | 34.750  | ug/l   | 93       |
| 74) n-propylbenzene           | 13.012 | 91   | 1570377  | 38.067  | ug/l   | 99       |
| 75) 2-Chlorotoluene           | 13.106 | 91   | 924823   | 37.326  | ug/l   | 98       |
| 76) 1,3,5-Trimethylbenzene    | 13.153 | 105  | 1053588  | 37.079  | ug/l   | 99       |
| 77) t-1,4-Dichloro-2-butene   | 12.718 | 75   | 166291   | 40.530  | ug/l   | 92       |
| 78) 4-Chlorotoluene           | 13.200 | 91   | 948477   | 35.893  | ug/l   | 98       |
| 79) tert-butylbenzene         | 13.418 | 119  | 917803   | 38.032  | ug/l   | 97       |
| 80) 1,2,4-Trimethylbenzene    | 13.459 | 105  | 1052781  | 36.294  | ug/l   | 95       |
| 81) sec-Butylbenzene          | 13.594 | 105  | 1360199  | 39.056  | ug/l   | 99       |
| 82) p-Isopropyltoluene        | 13.706 | 119  | 1108608  | 37.088  | ug/l   | 97       |
| 83) 1,3-Dichlorobenzene       | 13.712 | 146  | 570197   | 33.283  | ug/l   | 99       |
| 84) 1,4-Dichlorobenzene       | 13.788 | 146  | 579128   | 34.247  | ug/l   | 98       |
| 85) n-Butylbenzene            | 14.035 | 91   | 1108525  | 40.267  | ug/l   | 97       |
| 86) Hexachloroethane          | 14.312 | 117  | 222124   | 38.187  | ug/l   | 95       |
| 87) 1,2-Dichlorobenzene       | 14.082 | 146  | 554554   | 34.380  | ug/l   | 99       |
| 88) 1,2-Dibromo-3-Chloropr... | 14.700 | 75   | 93256    | 34.878  | ug/l   | 98       |
| 89) 1,2,4-Trichlorobenzene    | 15.812 | 180  | 323791   | 34.797  | ug/l   | 97       |
| 90) Hexachlorobutadiene       | 15.476 | 225  | 124521   | 32.444  | ug/l   | 99       |
| 91) Naphthalene               | 15.617 | 128  | 1229606  | 39.703  | ug/l   | 99       |
| 92) 1,2,3-Trichlorobenzene    | 15.812 | 180  | 323791   | 34.797  | ug/l   | 97       |

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

**Instrument :**  
MSVOA\_N  
**ClientSampleId :**  
VSTDICC050

## Manual Integrations APPROVED

Reviewed By :John Carlone 07/28/2025  
Supervised By :Mahesh Dadoda 07/29/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN072825\  
 Data File : VN087422.D  
 Acq On : 28 Jul 2025 10:48  
 Operator : JC\MD  
 Sample : VSTDICC100  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICC100

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 07/28/2025  
 Supervised By : Mahesh Dadoda 07/29/2025

Quant Time: Jul 28 11:31:32 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N072825W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Mon Jul 28 11:25:23 2025  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| -----                        |                |      |            |          |        |          |
| Internal Standards           |                |      |            |          |        |          |
| 1) Bromochloromethane        | 7.800          | 128  | 93523      | 30.000   | ug/l   | 0.00     |
| 28) 1,4-Difluorobenzene      | 9.083          | 114  | 531248     | 30.000   | ug/l   | 0.00     |
| 57) Chlorobenzene-d5         | 11.847         | 117  | 475412     | 30.000   | ug/l   | 0.00     |
|                              |                |      |            |          |        |          |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 27) 1,2-Dichloroethane-d4    | 8.565          | 65   | 218785     | 28.365   | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 91 - 110 |      | Recovery = | 94.567%  |        |          |
| 60) 4-Bromofluorobenzene     | 12.829         | 95   | 240070     | 30.268   | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 63 - 112 |      | Recovery = | 100.900% |        |          |
| 63) Toluene-d8               | 10.547         | 98   | 662288     | 30.633   | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 91 - 112 |      | Recovery = | 102.100% |        |          |
|                              |                |      |            |          |        |          |
| Target Compounds             |                |      |            |          |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 2.142          | 85   | 603788     | 105.512  | ug/l   | 90       |
| 3) Chloromethane             | 2.383          | 50   | 615430     | 108.276  | ug/l   | 96       |
| 4) Vinyl Chloride            | 2.542          | 62   | 625642     | 99.874   | ug/l   | 93       |
| 5) Bromomethane              | 2.965          | 94   | 304379     | 78.521   | ug/l   | 87       |
| 6) Chloroethane              | 3.130          | 64   | 349927     | 72.685   | ug/l   | 90       |
| 7) Trichlorofluoromethane    | 3.506          | 101  | 793694     | 74.501   | ug/l   | 97       |
| 8) Diethyl Ether             | 3.965          | 74   | 323135     | 76.198   | ug/l   | 95       |
| 9) 1,1,2-Trichlorotrifluo... | 4.359          | 101  | 425711     | 75.403   | ug/l # | 72       |
| 10) 1,1-Dichloroethene       | 4.330          | 96   | 433995     | 74.042   | ug/l   | 94       |
| 11) Methyl Iodide            | 4.577          | 142  | 486244     | 113.720  | ug/l   | 86       |
| 12) Methyl Acetate           | 5.018          | 43   | 954898     | 125.248  | ug/l   | 97       |
| 13) Acrolein                 | 4.171          | 56   | 350819     | 253.109  | ug/l   | 99       |
| 14) Acrylonitrile            | 5.706          | 53   | 2077657    | 596.728  | ug/l   | 98       |
| 15) Acetone                  | 4.424          | 58   | 433944     | 353.016  | ug/l   | 98       |
| 16) Carbon Disulfide         | 4.700          | 76   | 1496049    | 98.830   | ug/l   | 98       |
| 17) Allyl chloride           | 5.006          | 41   | 1020490    | 127.090  | ug/l   | 88       |
| 18) Methylene Chloride       | 5.265          | 84   | 626560     | 105.620  | ug/l # | 81       |
| 19) trans-1,2-Dichloroethene | 5.771          | 96   | 587767     | 102.109  | ug/l   | 88       |
| 20) Diisopropyl ether        | 6.659          | 45   | 2319645    | 114.243  | ug/l   | 95       |
| 21) 1,1-Dichloroethane       | 6.553          | 63   | 1148735    | 105.923  | ug/l   | 94       |
| 22) cis-1,2-Dichloroethene   | 7.471          | 96   | 728725     | 108.078  | ug/l   | 99       |
| 23) tert-Butyl Alcohol       | 5.530          | 59   | 794923     | 666.166  | ug/l # | 100      |
| 24) Methyl tert-Butyl Ether  | 5.789          | 73   | 2163043    | 114.193  | ug/l   | 99       |
| 25) Chloroform               | 7.953          | 83   | 1163610    | 97.966   | ug/l   | 96       |
| 26) Cyclohexane              | 8.241          | 56   | 1049726    | 129.837  | ug/l # | 94       |
| 29) 1,1-Dichloropropene      | 8.353          | 75   | 796788     | 87.909   | ug/l   | 98       |
| 30) 2-Butanone               | 7.471          | 43   | 2959770    | 479.493  | ug/l   | 99       |
| 31) 2,2-Dichloropropane      | 7.477          | 77   | 990895     | 83.246   | ug/l   | 97       |
| 32) 1,1,1-Trichloroethane    | 8.153          | 97   | 964437     | 81.301   | ug/l   | 99       |
| 33) Carbon Tetrachloride     | 8.347          | 117  | 794576     | 77.103   | ug/l   | 94       |
| 34) Benzene                  | 8.588          | 78   | 2625671    | 89.696   | ug/l   | 97       |
| 35) Methacrylonitrile        | 7.765          | 41   | 680118     | 104.776  | ug/l   | 91       |
| 36) 1,2-Dichloroethane       | 8.653          | 62   | 890375     | 77.100   | ug/l   | 98       |
| 37) Trichloroethene          | 9.335          | 130  | 596307     | 89.261   | ug/l   | 99       |
| 38) Methylcyclohexane        | 9.583          | 83   | 1019664    | 106.420  | ug/l   | 96       |
| 39) 1,2-Dichloropropane      | 9.606          | 63   | 671411     | 91.298   | ug/l   | 97       |
| 40) Dibromomethane           | 9.688          | 93   | 470115     | 82.625   | ug/l   | 99       |
| 41) Bromodichloromethane     | 9.871          | 83   | 959081     | 84.898   | ug/l   | 92       |
| 42) Vinyl Acetate            | 6.589          | 43   | 10436640   | 499.120  | ug/l   | 97       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN072825\  
 Data File : VN087422.D  
 Acq On : 28 Jul 2025 10:48  
 Operator : JC\MD  
 Sample : VSTDICC100  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICC100

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 07/28/2025  
 Supervised By : Mahesh Dadoda 07/29/2025

Quant Time: Jul 28 11:31:32 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N072825W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Mon Jul 28 11:25:23 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 43) Ethyl Acetate             | 7.547  | 43   | 1162237  | 92.488   | ug/l # | 78       |
| 44) Isopropyl Acetate         | 8.677  | 43   | 1953669  | 98.479   | ug/l   | 98       |
| 45) 1,4-Dioxane               | 9.683  | 88   | 241801   | 1978.299 | ug/l # | 54       |
| 46) Methyl methacrylate       | 9.665  | 41   | 923751   | 101.115  | ug/l   | 96       |
| 47) n-amyl Acetate            | 12.488 | 43   | 1199467  | 100.892  | ug/l # | 60       |
| 48) t-1,3-Dichloropropene     | 10.818 | 75   | 1105256  | 91.712   | ug/l   | 96       |
| 49) cis-1,3-Dichloropropene   | 10.294 | 75   | 1134330  | 94.115   | ug/l   | 98       |
| 50) 1,1,2-Trichloroethane     | 10.994 | 97   | 643183   | 87.530   | ug/l   | 95       |
| 51) Ethyl methacrylate        | 10.859 | 69   | 1207107  | 107.422  | ug/l   | 98       |
| 52) 1,3-Dichloropropane       | 11.141 | 76   | 1110692  | 87.911   | ug/l   | 98       |
| 53) Dibromochloromethane      | 11.341 | 129  | 745469   | 86.558   | ug/l   | 100      |
| 54) 1,2-Dibromoethane         | 11.447 | 107  | 681098   | 90.427   | ug/l   | 99       |
| 55) 2-Chloroethyl vinyl ether | 10.141 | 63   | 1866727  | 298.623  | ug/l   | 98       |
| 56) Bromoform                 | 12.559 | 173  | 526675   | 85.982   | ug/l   | 99       |
| 58) 4-Methyl-2-Pentanone      | 10.430 | 43   | 5769696  | 496.315  | ug/l   | 99       |
| 59) 2-Hexanone                | 11.177 | 43   | 4208772  | 536.382  | ug/l   | 97       |
| 61) Tetrachloroethene         | 11.082 | 164  | 480939   | 90.589   | ug/l   | 91       |
| 62) Toluene                   | 10.612 | 91   | 2874076  | 99.267   | ug/l   | 97       |
| 64) Chlorobenzene             | 11.871 | 112  | 1767524  | 95.487   | ug/l   | 97       |
| 65) 1,1,1,2-Tetrachloroethane | 11.941 | 131  | 598213   | 88.434   | ug/l   | 97       |
| 66) Ethyl Benzene             | 11.941 | 91   | 3135838  | 100.041  | ug/l   | 97       |
| 67) m/p-Xylenes               | 12.047 | 106  | 2333824  | 188.141  | ug/l   | 97       |
| 68) o-Xylene                  | 12.376 | 106  | 1157058  | 97.239   | ug/l   | 96       |
| 69) Styrene                   | 12.388 | 104  | 1996219  | 96.422   | ug/l   | 99       |
| 70) Isopropylbenzene          | 12.676 | 105  | 2987822  | 99.698   | ug/l   | 99       |
| 71) 1,1,2,2-Tetrachloroethane | 12.918 | 83   | 1016975  | 96.465   | ug/l   | 97       |
| 72) 1,2,3-Trichloropropane    | 12.971 | 75   | 948444m  | 100.703  | ug/l   |          |
| 73) Bromobenzene              | 12.959 | 156  | 693347   | 88.886   | ug/l   | 92       |
| 74) n-propylbenzene           | 13.012 | 91   | 3660066  | 96.712   | ug/l   | 99       |
| 75) 2-Chlorotoluene           | 13.106 | 91   | 2172105  | 95.561   | ug/l   | 99       |
| 76) 1,3,5-Trimethylbenzene    | 13.153 | 105  | 2455832  | 94.211   | ug/l   | 99       |
| 77) t-1,4-Dichloro-2-butene   | 12.718 | 75   | 426691   | 113.362  | ug/l   | 90       |
| 78) 4-Chlorotoluene           | 13.200 | 91   | 2224958  | 91.781   | ug/l   | 97       |
| 79) tert-butylbenzene         | 13.418 | 119  | 2120750  | 95.795   | ug/l   | 98       |
| 80) 1,2,4-Trimethylbenzene    | 13.459 | 105  | 2422023  | 91.018   | ug/l   | 96       |
| 81) sec-Butylbenzene          | 13.594 | 105  | 3123183  | 97.752   | ug/l   | 99       |
| 82) p-Isopropyltoluene        | 13.706 | 119  | 2517193  | 91.795   | ug/l   | 97       |
| 83) 1,3-Dichlorobenzene       | 13.712 | 146  | 1288719  | 81.997   | ug/l   | 99       |
| 84) 1,4-Dichlorobenzene       | 13.788 | 146  | 1337394  | 86.211   | ug/l   | 99       |
| 85) n-Butylbenzene            | 14.035 | 91   | 2548236  | 100.899  | ug/l   | 97       |
| 86) Hexachloroethane          | 14.312 | 117  | 517454   | 96.970   | ug/l   | 95       |
| 87) 1,2-Dichlorobenzene       | 14.082 | 146  | 1276183  | 86.242   | ug/l   | 98       |
| 88) 1,2-Dibromo-3-Chloropr... | 14.694 | 75   | 227882   | 92.905   | ug/l   | 97       |
| 89) 1,2,4-Trichlorobenzene    | 15.812 | 180  | 774171   | 90.691   | ug/l   | 98       |
| 90) Hexachlorobutadiene       | 15.476 | 225  | 293149   | 83.260   | ug/l   | 99       |
| 91) Naphthalene               | 15.612 | 128  | 2960118  | 104.186  | ug/l   | 99       |
| 92) 1,2,3-Trichlorobenzene    | 15.812 | 180  | 774171   | 90.691   | ug/l   | 98       |

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

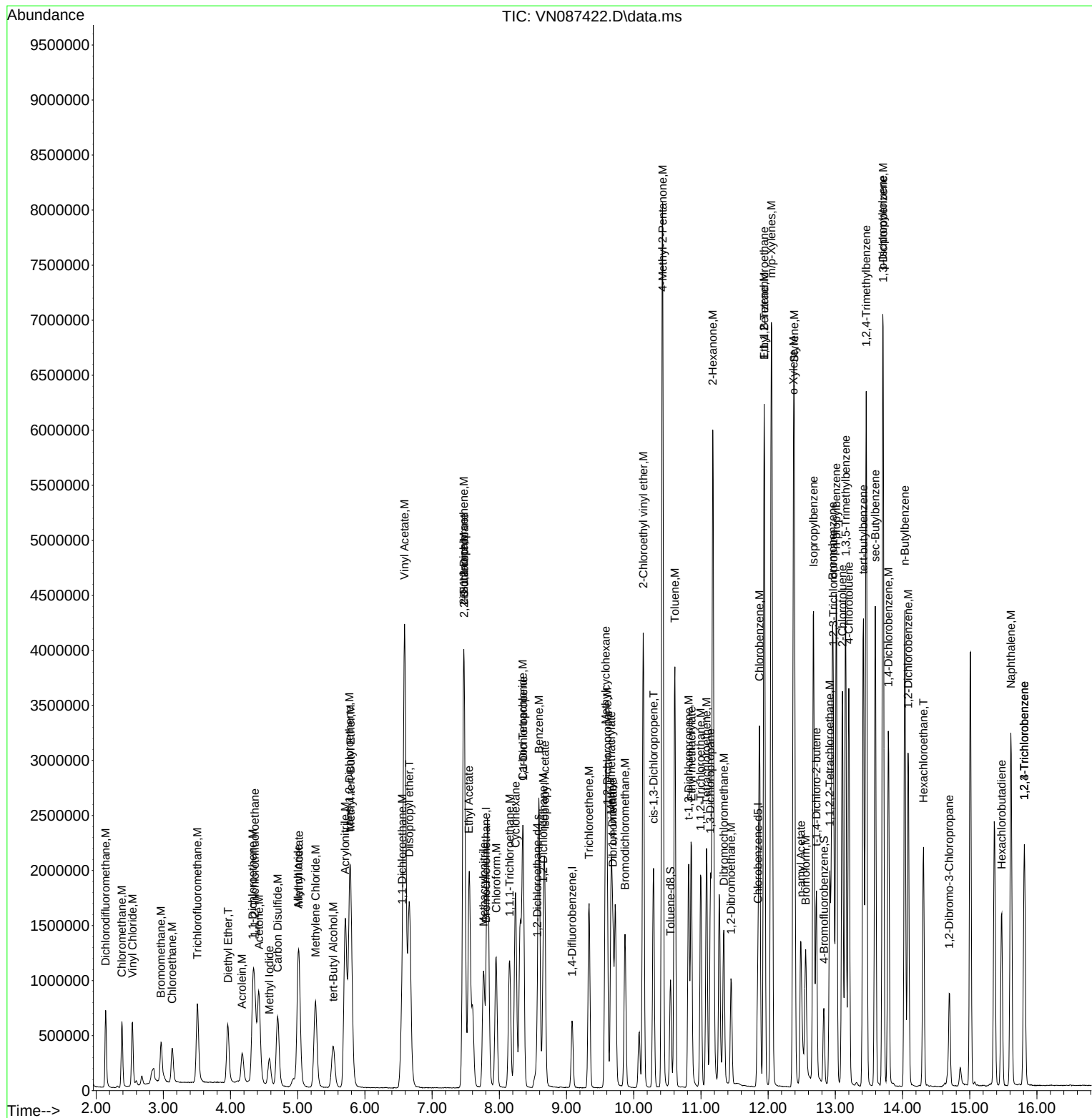
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN072825\  
Data File : VN087422.D  
Acq On : 28 Jul 2025 10:48  
Operator : JC\MD  
Sample : VSTDICC100  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**  
MSVOA\_N  
**ClientSampleId :**  
VSTDICC100

## Manual Integrations APPROVED

Reviewed By :John Carlone 07/28/2025  
Supervised By :Mahesh Dadoda 07/29/2025

Quant Time: Jul 28 11:31:32 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N072825W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Mon Jul 28 11:25:23 2025  
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN072825\  
 Data File : VN087423.D  
 Acq On : 28 Jul 2025 11:09  
 Operator : JC\MD  
 Sample : VSTDICC150  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICC150

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 07/28/2025  
 Supervised By : Mahesh Dadoda 07/29/2025

Quant Time: Jul 28 11:32:59 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N072825W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Mon Jul 28 11:25:23 2025  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| -----                        |                |      |            |          |        |          |
| Internal Standards           |                |      |            |          |        |          |
| 1) Bromochloromethane        | 7.806          | 128  | 85090      | 30.000   | ug/l   | 0.01     |
| 28) 1,4-Difluorobenzene      | 9.082          | 114  | 484226     | 30.000   | ug/l   | 0.00     |
| 57) Chlorobenzene-d5         | 11.847         | 117  | 438458     | 30.000   | ug/l   | 0.00     |
|                              |                |      |            |          |        |          |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 27) 1,2-Dichloroethane-d4    | 8.565          | 65   | 200988     | 28.641   | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 91 - 110 |      | Recovery = | 95.467%  |        |          |
| 60) 4-Bromofluorobenzene     | 12.829         | 95   | 217172     | 29.689   | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 63 - 112 |      | Recovery = | 98.967%  |        |          |
| 63) Toluene-d8               | 10.547         | 98   | 600918     | 30.137   | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 91 - 112 |      | Recovery = | 100.467% |        |          |
|                              |                |      |            |          |        |          |
| Target Compounds             |                |      |            |          |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 2.142          | 85   | 887278     | 170.419  | ug/l   | 90       |
| 3) Chloromethane             | 2.383          | 50   | 917274     | 177.375  | ug/l   | 94       |
| 4) Vinyl Chloride            | 2.536          | 62   | 903850     | 158.586  | ug/l   | 96       |
| 5) Bromomethane              | 2.953          | 94   | 451616     | 128.050  | ug/l   | 89       |
| 6) Chloroethane              | 3.124          | 64   | 502218     | 114.657  | ug/l   | 87       |
| 7) Trichlorofluoromethane    | 3.500          | 101  | 1152387    | 118.891  | ug/l   | 95       |
| 8) Diethyl Ether             | 3.959          | 74   | 468638     | 121.460  | ug/l   | 97       |
| 9) 1,1,2-Trichlorotrifluo... | 4.365          | 101  | 616302     | 119.979  | ug/l # | 71       |
| 10) 1,1-Dichloroethene       | 4.330          | 96   | 635138     | 119.097  | ug/l   | 88       |
| 11) Methyl Iodide            | 4.577          | 142  | 737654     | 189.617  | ug/l   | 88       |
| 12) Methyl Acetate           | 5.018          | 43   | 1395036    | 201.113  | ug/l   | 96       |
| 13) Acrolein                 | 4.171          | 56   | 645858     | 512.154  | ug/l   | 97       |
| 14) Acrylonitrile            | 5.712          | 53   | 2965994    | 936.295  | ug/l   | 98       |
| 15) Acetone                  | 4.418          | 58   | 628469     | 561.933  | ug/l   | 98       |
| 16) Carbon Disulfide         | 4.700          | 76   | 2163606    | 157.095  | ug/l   | 97       |
| 17) Allyl chloride           | 5.012          | 41   | 1477974    | 202.307  | ug/l   | 89       |
| 18) Methylene Chloride       | 5.259          | 84   | 901829     | 167.088  | ug/l   | 86       |
| 19) trans-1,2-Dichloroethene | 5.771          | 96   | 853536     | 162.974  | ug/l   | 91       |
| 20) Diisopropyl ether        | 6.659          | 45   | 3355459    | 181.635  | ug/l   | 96       |
| 21) 1,1-Dichloroethane       | 6.553          | 63   | 1659372    | 168.172  | ug/l   | 94       |
| 22) cis-1,2-Dichloroethene   | 7.471          | 96   | 1039103    | 169.384  | ug/l   | 98       |
| 23) tert-Butyl Alcohol       | 5.530          | 59   | 1115332    | 1027.310 | ug/l # | 100      |
| 24) Methyl tert-Butyl Ether  | 5.789          | 73   | 3133581    | 181.825  | ug/l   | 99       |
| 25) Chloroform               | 7.953          | 83   | 1693639    | 156.721  | ug/l   | 93       |
| 26) Cyclohexane              | 8.241          | 56   | 1515664    | 206.046  | ug/l # | 94       |
| 29) 1,1-Dichloropropene      | 8.353          | 75   | 1164864    | 140.999  | ug/l   | 99       |
| 30) 2-Butanone               | 7.471          | 43   | 4192675    | 745.186  | ug/l   | 99       |
| 31) 2,2-Dichloropropane      | 7.471          | 77   | 1417502    | 130.649  | ug/l   | 97       |
| 32) 1,1,1-Trichloroethane    | 8.153          | 97   | 1407597    | 130.182  | ug/l   | 99       |
| 33) Carbon Tetrachloride     | 8.347          | 117  | 1159544    | 123.445  | ug/l   | 95       |
| 34) Benzene                  | 8.588          | 78   | 3797675    | 142.331  | ug/l   | 97       |
| 35) Methacrylonitrile        | 7.765          | 41   | 975762     | 164.918  | ug/l   | 92       |
| 36) 1,2-Dichloroethane       | 8.653          | 62   | 1287860    | 122.349  | ug/l   | 97       |
| 37) Trichloroethene          | 9.335          | 130  | 850471     | 139.670  | ug/l   | 99       |
| 38) Methylcyclohexane        | 9.582          | 83   | 1459767    | 167.148  | ug/l   | 97       |
| 39) 1,2-Dichloropropane      | 9.606          | 63   | 951754     | 141.986  | ug/l   | 97       |
| 40) Dibromomethane           | 9.694          | 93   | 673138     | 129.796  | ug/l   | 98       |
| 41) Bromodichloromethane     | 9.871          | 83   | 1385561    | 134.560  | ug/l   | 91       |
| 42) Vinyl Acetate            | 6.594          | 43   | 13563324   | 711.638  | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN072825\  
 Data File : VN087423.D  
 Acq On : 28 Jul 2025 11:09  
 Operator : JC\MD  
 Sample : VSTDICC150  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDICC150

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 07/28/2025  
 Supervised By : Mahesh Dadoda 07/29/2025

Quant Time: Jul 28 11:32:59 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N072825W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Mon Jul 28 11:25:23 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 43) Ethyl Acetate             | 7.547  | 43   | 1725978m | 150.687  | ug/l   |          |
| 44) Isopropyl Acetate         | 8.677  | 43   | 2805264  | 155.138  | ug/l   | 99       |
| 45) 1,4-Dioxane               | 9.682  | 88   | 338417   | 3037.633 | ug/l # | 53       |
| 46) Methyl methacrylate       | 9.665  | 41   | 1339708  | 160.887  | ug/l   | 96       |
| 47) n-amyl Acetate            | 12.482 | 43   | 1803266  | 166.410  | ug/l # | 60       |
| 48) t-1,3-Dichloropropene     | 10.818 | 75   | 1593280  | 145.045  | ug/l   | 97       |
| 49) cis-1,3-Dichloropropene   | 10.294 | 75   | 1644925  | 149.732  | ug/l   | 96       |
| 50) 1,1,2-Trichloroethane     | 10.994 | 97   | 921075   | 137.520  | ug/l   | 95       |
| 51) Ethyl methacrylate        | 10.859 | 69   | 1723847  | 168.305  | ug/l   | 98       |
| 52) 1,3-Dichloropropane       | 11.141 | 76   | 1602154  | 139.125  | ug/l   | 97       |
| 53) Dibromochloromethane      | 11.341 | 129  | 1069124  | 136.192  | ug/l   | 100      |
| 54) 1,2-Dibromoethane         | 11.453 | 107  | 979971   | 142.742  | ug/l   | 100      |
| 55) 2-Chloroethyl vinyl ether | 10.141 | 63   | 2987223  | 524.274  | ug/l   | 97       |
| 56) Bromoform                 | 12.559 | 173  | 756099   | 135.423  | ug/l   | 99       |
| 58) 4-Methyl-2-Pentanone      | 10.429 | 43   | 8049077  | 750.746  | ug/l   | 99       |
| 59) 2-Hexanone                | 11.176 | 43   | 5903547  | 815.782  | ug/l   | 98       |
| 61) Tetrachloroethene         | 11.082 | 164  | 690374   | 140.998  | ug/l   | 91       |
| 62) Toluene                   | 10.612 | 91   | 4106334  | 153.781  | ug/l   | 97       |
| 64) Chlorobenzene             | 11.870 | 112  | 2523340  | 147.808  | ug/l   | 96       |
| 65) 1,1,1,2-Tetrachloroethane | 11.941 | 131  | 847400   | 135.830  | ug/l   | 97       |
| 66) Ethyl Benzene             | 11.941 | 91   | 4462413  | 154.361  | ug/l   | 96       |
| 67) m/p-Xylenes               | 12.053 | 106  | 3275723  | 286.328  | ug/l   | 97       |
| 68) o-Xylene                  | 12.376 | 106  | 1614502  | 147.118  | ug/l   | 96       |
| 69) Styrene                   | 12.388 | 104  | 2806625  | 146.993  | ug/l   | 98       |
| 70) Isopropylbenzene          | 12.676 | 105  | 4192456  | 151.685  | ug/l   | 98       |
| 71) 1,1,2,2-Tetrachloroethane | 12.917 | 83   | 1427927  | 146.862  | ug/l   | 96       |
| 72) 1,2,3-Trichloropropane    | 12.970 | 75   | 1301897m | 149.882  | ug/l   |          |
| 73) Bromobenzene              | 12.959 | 156  | 965351   | 134.187  | ug/l   | 90       |
| 74) n-propylbenzene           | 13.017 | 91   | 5155110  | 147.698  | ug/l   | 99       |
| 75) 2-Chlorotoluene           | 13.106 | 91   | 3073937  | 146.634  | ug/l   | 98       |
| 76) 1,3,5-Trimethylbenzene    | 13.153 | 105  | 3462485  | 144.023  | ug/l   | 98       |
| 77) t-1,4-Dichloro-2-butene   | 12.717 | 75   | 607084   | 174.881  | ug/l   | 86       |
| 78) 4-Chlorotoluene           | 13.200 | 91   | 3133622  | 140.158  | ug/l   | 98       |
| 79) tert-butylbenzene         | 13.417 | 119  | 2945071  | 144.242  | ug/l   | 97       |
| 80) 1,2,4-Trimethylbenzene    | 13.459 | 105  | 3355857  | 136.739  | ug/l   | 96       |
| 81) sec-Butylbenzene          | 13.594 | 105  | 4372437  | 148.387  | ug/l   | 99       |
| 82) p-Isopropyltoluene        | 13.706 | 119  | 3459843  | 136.804  | ug/l   | 98       |
| 83) 1,3-Dichlorobenzene       | 13.712 | 146  | 1780579  | 122.841  | ug/l   | 99       |
| 84) 1,4-Dichlorobenzene       | 13.788 | 146  | 1882449  | 131.573  | ug/l   | 98       |
| 85) n-Butylbenzene            | 14.035 | 91   | 3588595  | 154.069  | ug/l   | 97       |
| 86) Hexachloroethane          | 14.311 | 117  | 740407   | 150.446  | ug/l   | 95       |
| 87) 1,2-Dichlorobenzene       | 14.082 | 146  | 1782463  | 130.608  | ug/l   | 99       |
| 88) 1,2-Dibromo-3-Chloropr... | 14.700 | 75   | 329431   | 145.625  | ug/l   | 97       |
| 89) 1,2,4-Trichlorobenzene    | 15.811 | 180  | 1118050  | 142.014  | ug/l   | 98       |
| 90) Hexachlorobutadiene       | 15.476 | 225  | 406978   | 125.331  | ug/l   | 97       |
| 91) Naphthalene               | 15.611 | 128  | 4255804  | 162.415  | ug/l   | 99       |
| 92) 1,2,3-Trichlorobenzene    | 15.811 | 180  | 1118050  | 142.014  | ug/l   | 98       |

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN072825\  
 Data File : VN087423.D  
 Acq On : 28 Jul 2025 11:09  
 Operator : JC\MD  
 Sample : VSTDIC150  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 7 Sample Multiplier: 1

## Instrument :

MSVOA\_N

## ClientSampleId :

VSTDIC150

## Manual Integrations

## APPROVED

Reviewed By : John Carlone 07/28/2025

Supervised By : Mahesh Dadoda 07/29/2025

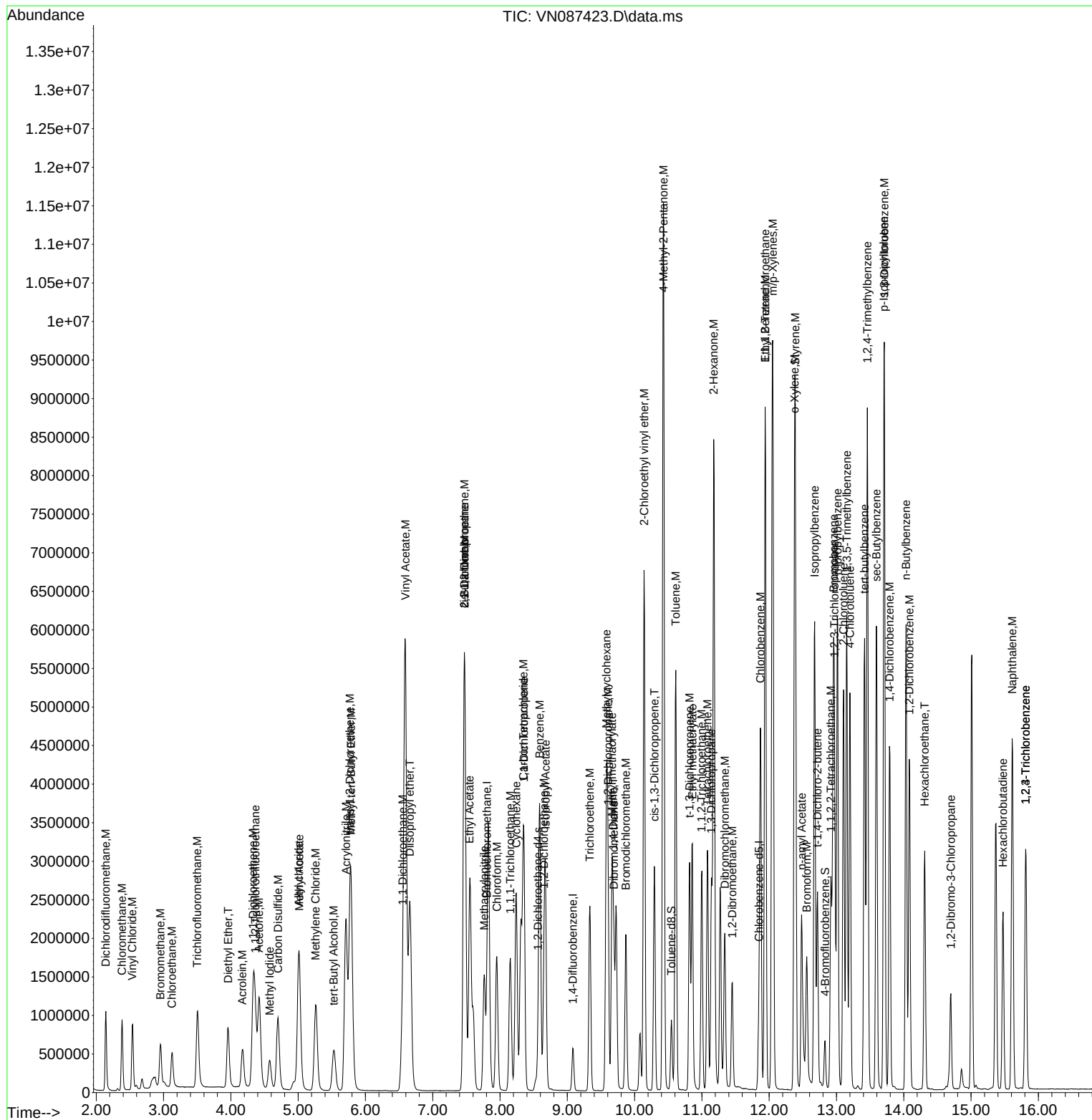
Quant Time: Jul 28 11:32:59 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N072825W.M

Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS

QLast Update : Mon Jul 28 11:25:23 2025

Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN072825\  
 Data File : VN087425.D  
 Acq On : 28 Jul 2025 11:54  
 Operator : JC\MD  
 Sample : VSTDICV020  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICVVN072825

Manual Integrations  
 APPROVED

Reviewed By :John  
 Carlone

07/28/2025  
 Supervised By :Mahesh  
 Dadoda

Quant Time: Jul 28 13:25:42 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N072825W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Mon Jul 28 11:35:47 2025  
 Response via : Initial Calibration

| Compound                | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|--------|------|----------|--------|-------|----------|
| -----                   |        |      |          |        |       |          |
| Internal Standards      |        |      |          |        |       |          |
| 1) Bromochloromethane   | 7.800  | 128  | 84091    | 30.000 | ug/l  | 0.00     |
| 28) 1,4-Difluorobenzene | 9.083  | 114  | 479566   | 30.000 | ug/l  | 0.00     |
| 57) Chlorobenzene-d5    | 11.847 | 117  | 422479   | 30.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 27) 1,2-Dichloroethane-d4   | 8.565  | 65    | 192219   | 29.892   | ug/l | 0.00     |
| Spiked Amount               | 30.000 | Range | 91 - 110 | Recovery | =    | 99.633%  |
| 60) 4-Bromofluorobenzene    | 12.829 | 95    | 205393   | 29.605   | ug/l | 0.00     |
| Spiked Amount               | 30.000 | Range | 63 - 112 | Recovery | =    | 98.700%  |
| 63) Toluene-d8              | 10.547 | 98    | 588887   | 30.352   | ug/l | 0.00     |
| Spiked Amount               | 30.000 | Range | 91 - 112 | Recovery | =    | 101.167% |

|                              |       |     |         |         |        |        |
|------------------------------|-------|-----|---------|---------|--------|--------|
| Target Compounds             |       |     |         |         |        | Qvalue |
| 2) Dichlorodifluoromethane   | 2.148 | 85  | 104188  | 21.236  | ug/l   | 97     |
| 3) Chloromethane             | 2.389 | 50  | 111922  | 21.489  | ug/l   | 99     |
| 4) Vinyl Chloride            | 2.542 | 62  | 108475  | 20.586  | ug/l   | 98     |
| 5) Bromomethane              | 2.983 | 94  | 51310   | 19.968  | ug/l   | 92     |
| 6) Chloroethane              | 3.142 | 64  | 62290   | 20.958  | ug/l   | 90     |
| 7) Trichlorofluoromethane    | 3.512 | 101 | 137165  | 20.690  | ug/l   | 100    |
| 8) Diethyl Ether             | 3.965 | 74  | 58609   | 21.182  | ug/l   | 99     |
| 9) 1,1,2-Trichlorotrifluo... | 4.365 | 101 | 72143   | 19.948  | ug/l   | 97     |
| 10) 1,1-Dichloroethene       | 4.336 | 96  | 76219   | 21.187  | ug/l   | 95     |
| 11) Methyl Iodide            | 4.577 | 142 | 57213m  | 17.564  | ug/l   |        |
| 12) Methyl Acetate           | 5.018 | 43  | 162437  | 20.709  | ug/l # | 88     |
| 13) Acrolein                 | 4.177 | 56  | 75010   | 117.257 | ug/l   | 97     |
| 14) Acrylonitrile            | 5.712 | 53  | 345069  | 101.453 | ug/l   | 99     |
| 15) Acetone                  | 4.418 | 58  | 76175   | 96.630  | ug/l   | 81     |
| 16) Carbon Disulfide         | 4.700 | 76  | 264903  | 20.720  | ug/l   | 95     |
| 17) Allyl chloride           | 5.018 | 41  | 169606  | 20.234  | ug/l   | 99     |
| 18) Methylene Chloride       | 5.259 | 84  | 107545  | 19.857  | ug/l   | 93     |
| 19) trans-1,2-Dichloroethene | 5.771 | 96  | 99817   | 19.531  | ug/l   | 98     |
| 20) Diisopropyl ether        | 6.659 | 45  | 391071  | 20.506  | ug/l   | 95     |
| 21) 1,1-Dichloroethane       | 6.553 | 63  | 197638  | 20.447  | ug/l   | 99     |
| 22) cis-1,2-Dichloroethene   | 7.477 | 96  | 125168  | 20.151  | ug/l   | 99     |
| 23) tert-Butyl Alcohol       | 5.530 | 59  | 135715  | 102.944 | ug/l # | 100    |
| 24) Methyl tert-Butyl Ether  | 5.789 | 73  | 364737  | 20.435  | ug/l   | 98     |
| 25) Chloroform               | 7.953 | 83  | 194885  | 19.971  | ug/l   | 98     |
| 26) Cyclohexane              | 8.241 | 56  | 175170  | 19.622  | ug/l # | 98     |
| 29) 1,1-Dichloropropene      | 8.359 | 75  | 139428  | 20.480  | ug/l   | 98     |
| 30) 2-Butanone               | 7.471 | 43  | 499815  | 101.332 | ug/l   | 99     |
| 31) 2,2-Dichloropropane      | 7.477 | 77  | 160394  | 18.908  | ug/l   | 99     |
| 32) 1,1,1-Trichloroethane    | 8.153 | 97  | 163557  | 19.987  | ug/l   | 99     |
| 33) Carbon Tetrachloride     | 8.347 | 117 | 137918  | 20.440  | ug/l   | 97     |
| 34) Benzene                  | 8.588 | 78  | 444298  | 19.953  | ug/l   | 99     |
| 35) Methacrylonitrile        | 7.765 | 41  | 108783  | 19.253  | ug/l   | 96     |
| 36) 1,2-Dichloroethane       | 8.659 | 62  | 148407  | 20.027  | ug/l # | 95     |
| 37) Trichloroethene          | 9.335 | 130 | 101986  | 20.065  | ug/l   | 91     |
| 38) Methylcyclohexane        | 9.582 | 83  | 172306  | 19.624  | ug/l   | 99     |
| 39) 1,2-Dichloropropane      | 9.606 | 63  | 114391  | 20.406  | ug/l   | 97     |
| 40) Dibromomethane           | 9.694 | 93  | 79564   | 20.008  | ug/l   | 99     |
| 41) Bromodichloromethane     | 9.871 | 83  | 159528  | 19.932  | ug/l   | 100    |
| 42) Vinyl Acetate            | 6.594 | 43  | 1647099 | 99.228  | ug/l   | 99     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN072825\  
 Data File : VN087425.D  
 Acq On : 28 Jul 2025 11:54  
 Operator : JC\MD  
 Sample : VSTDICV020  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICVVN072825

Manual Integrations  
 APPROVED

Reviewed By :John  
 Carlone

07/28/2025  
 Supervised By :Mahesh  
 Dadoda

Quant Time: Jul 28 13:25:42 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N072825W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Mon Jul 28 11:35:47 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |     |
|-------------------------------|--------|------|----------|---------|-------|----------|-----|
| 43) Ethyl Acetate             | 7.553  | 43   | 198786   | 19.659  | ug/l  | #        | 73  |
| 44) Isopropyl Acetate         | 8.677  | 43   | 328347   | 20.327  | ug/l  |          | 99  |
| 45) 1,4-Dioxane               | 9.682  | 88   | 42264    | 412.361 | ug/l  | #        | 92  |
| 46) Methyl methacrylate       | 9.665  | 41   | 146072   | 19.421  | ug/l  |          | 97  |
| 47) n-amyl Acetate            | 12.535 | 43   | 134040m  | 20.127  | ug/l  |          |     |
| 48) t-1,3-Dichloropropene     | 10.818 | 75   | 179080   | 19.876  | ug/l  |          | 100 |
| 49) cis-1,3-Dichloropropene   | 10.294 | 75   | 187017   | 19.764  | ug/l  |          | 99  |
| 50) 1,1,2-Trichloroethane     | 11.000 | 97   | 103763   | 19.602  | ug/l  |          | 97  |
| 51) Ethyl methacrylate        | 10.859 | 69   | 188347   | 19.648  | ug/l  |          | 99  |
| 52) 1,3-Dichloropropane       | 11.141 | 76   | 186991   | 20.440  | ug/l  |          | 97  |
| 53) Dibromochloromethane      | 11.341 | 129  | 122186   | 20.124  | ug/l  |          | 98  |
| 54) 1,2-Dibromoethane         | 11.447 | 107  | 113325   | 20.347  | ug/l  |          | 99  |
| 55) 2-Chloroethyl vinyl ether | 10.141 | 63   | 532083   | 134.997 | ug/l  |          | 100 |
| 56) Bromoform                 | 12.559 | 173  | 79829    | 18.736  | ug/l  |          | 100 |
| 58) 4-Methyl-2-Pentanone      | 10.429 | 43   | 1001381  | 105.229 | ug/l  |          | 100 |
| 59) 2-Hexanone                | 11.182 | 43   | 661366   | 100.286 | ug/l  |          | 100 |
| 61) Tetrachloroethene         | 11.082 | 164  | 80787    | 20.141  | ug/l  |          | 96  |
| 62) Toluene                   | 10.612 | 91   | 484125   | 20.305  | ug/l  |          | 99  |
| 64) Chlorobenzene             | 11.871 | 112  | 294136   | 20.060  | ug/l  |          | 98  |
| 65) 1,1,1,2-Tetrachloroethane | 11.941 | 131  | 98384    | 19.787  | ug/l  |          | 97  |
| 66) Ethyl Benzene             | 11.947 | 91   | 528930   | 20.304  | ug/l  |          | 97  |
| 67) m/p-Xylenes               | 12.053 | 106  | 397076   | 40.681  | ug/l  |          | 99  |
| 68) o-Xylene                  | 12.376 | 106  | 194519   | 20.365  | ug/l  |          | 98  |
| 69) Styrene                   | 12.394 | 104  | 325533   | 19.925  | ug/l  |          | 98  |
| 70) Isopropylbenzene          | 12.676 | 105  | 493913   | 20.135  | ug/l  |          | 100 |
| 71) 1,1,2,2-Tetrachloroethane | 12.918 | 83   | 171651   | 20.522  | ug/l  |          | 97  |
| 72) 1,2,3-Trichloropropane    | 12.976 | 75   | 142149m  | 18.683  | ug/l  |          |     |
| 73) Bromobenzene              | 12.959 | 156  | 114772   | 20.138  | ug/l  |          | 98  |
| 74) n-propylbenzene           | 13.018 | 91   | 608183   | 20.081  | ug/l  |          | 100 |
| 75) 2-Chlorotoluene           | 13.106 | 91   | 363593   | 20.229  | ug/l  |          | 100 |
| 76) 1,3,5-Trimethylbenzene    | 13.153 | 105  | 412100   | 20.279  | ug/l  |          | 99  |
| 77) t-1,4-Dichloro-2-butene   | 12.723 | 75   | 57594    | 17.839  | ug/l  |          | 99  |
| 78) 4-Chlorotoluene           | 13.200 | 91   | 371100   | 20.106  | ug/l  |          | 98  |
| 79) tert-butylbenzene         | 13.418 | 119  | 353799   | 20.153  | ug/l  |          | 98  |
| 80) 1,2,4-Trimethylbenzene    | 13.465 | 105  | 407528   | 20.210  | ug/l  |          | 98  |
| 81) sec-Butylbenzene          | 13.594 | 105  | 530069   | 20.327  | ug/l  |          | 100 |
| 82) p-Isopropyltoluene        | 13.706 | 119  | 434188   | 20.514  | ug/l  |          | 99  |
| 83) 1,3-Dichlorobenzene       | 13.712 | 146  | 218956   | 20.300  | ug/l  |          | 99  |
| 84) 1,4-Dichlorobenzene       | 13.788 | 146  | 226886   | 20.116  | ug/l  |          | 99  |
| 85) n-Butylbenzene            | 14.035 | 91   | 433599   | 20.341  | ug/l  |          | 99  |
| 86) Hexachloroethane          | 14.312 | 117  | 87580    | 20.374  | ug/l  |          | 96  |
| 87) 1,2-Dichlorobenzene       | 14.088 | 146  | 211678   | 20.189  | ug/l  |          | 97  |
| 88) 1,2-Dibromo-3-Chloropr... | 14.700 | 75   | 36571    | 18.943  | ug/l  |          | 97  |
| 89) 1,2,4-Trichlorobenzene    | 15.811 | 180  | 128222   | 20.050  | ug/l  |          | 99  |
| 90) Hexachlorobutadiene       | 15.476 | 225  | 48127    | 19.766  | ug/l  |          | 98  |
| 91) Naphthalene               | 15.617 | 128  | 493682   | 20.425  | ug/l  |          | 99  |
| 92) 1,2,3-Trichlorobenzene    | 15.811 | 180  | 128222   | 20.050  | ug/l  |          | 99  |

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN072825\  
Data File : VN087425.D  
Acq On : 28 Jul 2025 11:54  
Operator : JC\MD  
Sample : VSTDICV020  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 9 Sample Multiplier: 1

**Instrument :**  
MSVOA\_N  
**ClientSampleId :**  
ICVVN072825

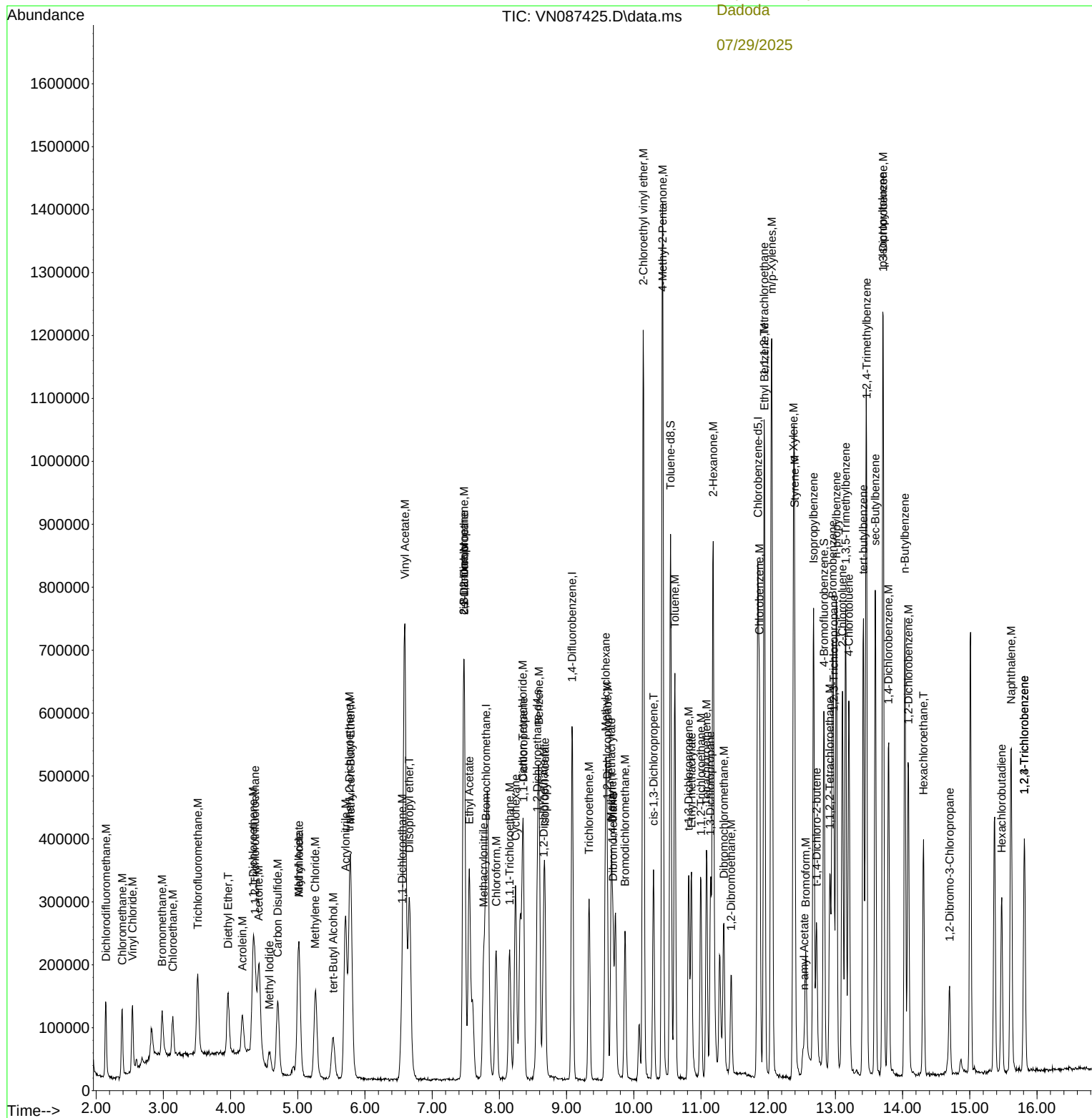
## Manual Integrations APPROVED

Reviewed By :John  
Carlone

07/28/2025  
Supervised By :Mahesh  
Dadoda

07/29/2025

Quant Time: Jul 28 13:25:42 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N072825W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Mon Jul 28 11:35:47 2025  
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN072825\  
 Data File : VN087425.D  
 Acq On : 28 Jul 2025 11:54  
 Operator : JC\MD  
 Sample : VSTDICV020  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICSVN072825

Quant Time: Jul 28 13:25:42 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N072825W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Mon Jul 28 11:35:47 2025  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound                    | AvgRF | CCRF  | %Dev  | Area% | Dev(min) |
|------|-----------------------------|-------|-------|-------|-------|----------|
| 1 I  | Bromochloromethane          | 1.000 | 1.000 | 0.0   | 80    | 0.00     |
| 2 M  | Dichlorodifluoromethane     | 1.750 | 1.858 | -6.2  | 82    | 0.00     |
| 3 M  | Chloromethane               | 1.858 | 1.996 | -7.4  | 86    | 0.00     |
| 4 M  | Vinyl Chloride              | 1.880 | 1.935 | -2.9  | 82    | 0.00     |
| 5 M  | Bromomethane                | 0.917 | 0.915 | 0.2   | 82    | 0.00     |
| 6 M  | Chloroethane                | 1.060 | 1.111 | -4.8  | 83    | 0.00     |
| 7 M  | Trichlorofluoromethane      | 2.365 | 2.447 | -3.5  | 85    | 0.00     |
| 8 T  | Diethyl Ether               | 0.987 | 1.045 | -5.9  | 83    | 0.00     |
| 9    | 1,1,2-Trichlorotrifluoroeth | 1.290 | 1.287 | 0.2   | 81    | 0.00     |
| 10 M | 1,1-Dichloroethene          | 1.283 | 1.360 | -6.0  | 84    | 0.00     |
| 11   | Methyl Iodide               | 1.162 | 1.021 | 12.1  | 92    | 0.00     |
| 12   | Methyl Acetate              | 2.798 | 2.898 | -3.6  | 84    | 0.00     |
| 13 M | Acrolein                    | 0.228 | 0.268 | -17.5 | 119   | 0.00     |
| 14 M | Acrylonitrile               | 1.213 | 1.231 | -1.5  | 81    | 0.00     |
| 15 M | Acetone                     | 0.281 | 0.272 | 3.2   | 74    | -0.01    |
| 16 M | Carbon Disulfide            | 4.561 | 4.725 | -3.6  | 85    | 0.00     |
| 17   | Allyl chloride              | 2.990 | 3.025 | -1.2  | 81    | 0.00     |
| 18 M | Methylene Chloride          | 1.932 | 1.918 | 0.7   | 79    | 0.00     |
| 19 M | trans-1,2-Dichloroethene    | 1.823 | 1.781 | 2.3   | 81    | 0.00     |
| 20 T | Diisopropyl ether           | 6.804 | 6.976 | -2.5  | 80    | 0.00     |
| 21 M | 1,1-Dichloroethane          | 3.448 | 3.525 | -2.2  | 82    | 0.00     |
| 22 M | cis-1,2-Dichloroethene      | 2.216 | 2.233 | -0.8  | 81    | 0.00     |
| 23 M | tert-Butyl Alcohol          | 0.470 | 0.484 | -3.0  | 82    | 0.00     |
| 24 M | Methyl tert-Butyl Ether     | 6.367 | 6.506 | -2.2  | 83    | 0.00     |
| 25 M | Chloroform                  | 3.481 | 3.476 | 0.1   | 81    | 0.00     |
| 26   | Cyclohexane                 | 3.185 | 3.125 | 1.9   | 80    | 0.00     |
| 27 s | 1,2-Dichloroethane-d4       | 2.294 | 2.286 | 0.3   | 81    | 0.00     |
| 28 I | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0   | 82    | 0.00     |
| 29   | 1,1-Dichloropropene         | 0.426 | 0.436 | -2.3  | 83    | 0.00     |
| 30 M | 2-Butanone                  | 0.309 | 0.313 | -1.3  | 82    | 0.00     |
| 31   | 2,2-Dichloropropane         | 0.531 | 0.502 | 5.5   | 76    | 0.00     |
| 32 M | 1,1,1-Trichloroethane       | 0.512 | 0.512 | 0.0   | 81    | 0.00     |
| 33 M | Carbon Tetrachloride        | 0.422 | 0.431 | -2.1  | 83    | 0.00     |
| 34 M | Benzene                     | 1.393 | 1.390 | 0.2   | 80    | 0.00     |
| 35   | Methacrylonitrile           | 0.353 | 0.340 | 3.7   | 79    | 0.00     |
| 36 M | 1,2-Dichloroethane          | 0.464 | 0.464 | 0.0   | 82    | 0.00     |
| 37 M | Trichloroethene             | 0.318 | 0.319 | -0.3  | 82    | 0.00     |
| 38   | Methylcyclohexane           | 0.549 | 0.539 | 1.8   | 82    | 0.00     |
| 39 M | 1,2-Dichloropropane         | 0.351 | 0.358 | -2.0  | 85    | 0.00     |
| 40   | Dibromomethane              | 0.249 | 0.249 | 0.0   | 84    | 0.00     |
| 41 M | Bromodichloromethane        | 0.501 | 0.499 | 0.4   | 84    | 0.00     |
| 42 M | Vinyl Acetate               | 1.038 | 1.030 | 0.8   | 82    | 0.00     |
| 43   | Ethyl Acetate               | 0.633 | 0.622 | 1.7   | 75    | 0.00     |
| 44   | Isopropyl Acetate           | 1.011 | 1.027 | -1.6  | 83    | 0.00     |
| 45 T | 1,4-Dioxane                 | 0.006 | 0.007 | -16.7 | 80    | 0.00     |
| 46   | Methyl methacrylate         | 0.471 | 0.457 | 3.0   | 83    | 0.00     |
| 47   | n-amyl Acetate              | 0.417 | 0.419 | -0.5  | 138   | 0.02     |
| 48 M | t-1,3-Dichloropropene       | 0.564 | 0.560 | 0.7   | 86    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN072825\  
 Data File : VN087425.D  
 Acq On : 28 Jul 2025 11:54  
 Operator : JC\MD  
 Sample : VSTDICV020  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICVVN072825

Quant Time: Jul 28 13:25:42 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N072825W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Mon Jul 28 11:35:47 2025  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound                    | AvgRF | CCRF  | %Dev   | Area% | Dev(min) |
|------|-----------------------------|-------|-------|--------|-------|----------|
| 49 T | cis-1,3-Dichloropropene     | 0.592 | 0.585 | 1.2    | 85    | 0.00     |
| 50 M | 1,1,2-Trichloroethane       | 0.331 | 0.325 | 1.8    | 84    | 0.00     |
| 51   | Ethyl methacrylate          | 0.600 | 0.589 | 1.8    | 84    | 0.00     |
| 52   | 1,3-Dichloropropane         | 0.572 | 0.585 | -2.3   | 89    | 0.00     |
| 53 M | Dibromochloromethane        | 0.380 | 0.382 | -0.5   | 87    | 0.00     |
| 54 M | 1,2-Dibromoethane           | 0.348 | 0.354 | -1.7   | 89    | 0.00     |
| 55 M | 2-Chloroethyl vinyl ether   | 0.247 | 0.333 | -34.8# | 106   | 0.00     |
| 56 M | Bromoform                   | 0.267 | 0.250 | 6.4    | 81    | 0.00     |
| 57 I | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0    | 86    | 0.00     |
| 58 M | 4-Methyl-2-Pentanone        | 0.676 | 0.711 | -5.2   | 87    | 0.00     |
| 59 M | 2-Hexanone                  | 0.468 | 0.470 | -0.4   | 86    | 0.00     |
| 60 S | 4-Bromofluorobenzene        | 0.493 | 0.486 | 1.4    | 85    | 0.00     |
| 61 M | Tetrachloroethene           | 0.285 | 0.287 | -0.7   | 88    | 0.00     |
| 62 M | Toluene                     | 1.693 | 1.719 | -1.5   | 88    | 0.00     |
| 63 S | Toluene-d8                  | 1.378 | 1.394 | -1.2   | 87    | 0.00     |
| 64 M | Chlorobenzene               | 1.041 | 1.044 | -0.3   | 87    | 0.00     |
| 65   | 1,1,1,2-Tetrachloroethane   | 0.353 | 0.349 | 1.1    | 82    | 0.00     |
| 66 M | Ethyl Benzene               | 1.850 | 1.878 | -1.5   | 86    | 0.00     |
| 67 M | m/p-Xylenes                 | 0.693 | 0.705 | -1.7   | 86    | 0.00     |
| 68 M | o-Xylene                    | 0.678 | 0.691 | -1.9   | 85    | 0.00     |
| 69 M | Styrene                     | 1.160 | 1.156 | 0.3    | 84    | 0.00     |
| 70   | Isopropylbenzene            | 1.742 | 1.754 | -0.7   | 85    | 0.00     |
| 71 M | 1,1,2,2-Tetrachloroethane   | 0.594 | 0.609 | -2.5   | 87    | 0.00     |
| 72   | 1,2,3-Trichloropropane      | 0.540 | 0.505 | 6.5    | 73    | 0.00     |
| 73   | Bromobenzene                | 0.405 | 0.407 | -0.5   | 88    | 0.00     |
| 74   | n-propylbenzene             | 2.151 | 2.159 | -0.4   | 85    | 0.00     |
| 75   | 2-Chlorotoluene             | 1.276 | 1.291 | -1.2   | 86    | 0.00     |
| 76   | 1,3,5-Trimethylbenzene      | 1.443 | 1.463 | -1.4   | 85    | 0.00     |
| 77   | t-1,4-Dichloro-2-butene     | 0.229 | 0.204 | 10.9   | 79    | 0.00     |
| 78   | 4-Chlorotoluene             | 1.311 | 1.318 | -0.5   | 84    | 0.00     |
| 79   | tert-butylbenzene           | 1.247 | 1.256 | -0.7   | 85    | 0.00     |
| 80   | 1,2,4-Trimethylbenzene      | 1.432 | 1.447 | -1.0   | 84    | 0.00     |
| 81   | sec-Butylbenzene            | 1.852 | 1.882 | -1.6   | 85    | 0.00     |
| 82   | p-Isopropyltoluene          | 1.503 | 1.542 | -2.6   | 84    | 0.00     |
| 83 M | 1,3-Dichlorobenzene         | 0.766 | 0.777 | -1.4   | 84    | 0.00     |
| 84 M | 1,4-Dichlorobenzene         | 0.801 | 0.806 | -0.6   | 84    | 0.00     |
| 85   | n-Butylbenzene              | 1.514 | 1.539 | -1.7   | 86    | 0.00     |
| 86 T | Hexachloroethane            | 0.305 | 0.311 | -2.0   | 86    | 0.00     |
| 87 M | 1,2-Dichlorobenzene         | 0.745 | 0.752 | -0.9   | 85    | 0.00     |
| 88   | 1,2-Dibromo-3-Chloropropane | 0.137 | 0.130 | 5.1    | 82    | 0.00     |
| 89   | 1,2,4-Trichlorobenzene      | 0.454 | 0.455 | -0.2   | 86    | 0.00     |
| 90   | Hexachlorobutadiene         | 0.173 | 0.171 | 1.2    | 86    | 0.00     |
| 91 M | Naphthalene                 | 1.716 | 1.753 | -2.2   | 88    | 0.00     |
| 92   | 1,2,3-Trichlorobenzene      | 0.454 | 0.455 | -0.2   | 86    | 0.00     |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN072825\  
 Data File : VN087425.D  
 Acq On : 28 Jul 2025 11:54  
 Operator : JC\MD  
 Sample : VSTDICV020  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICVVN072825

Quant Time: Jul 28 13:25:42 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N072825W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Mon Jul 28 11:35:47 2025  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound                    | Amount  | Calc.   | %Dev  | Area% | Dev(min) |
|------|-----------------------------|---------|---------|-------|-------|----------|
| 1 I  | Bromochloromethane          | 30.000  | 30.000  | 0.0   | 80    | 0.00     |
| 2 M  | Dichlorodifluoromethane     | 20.000  | 21.236  | -6.2  | 82    | 0.00     |
| 3 M  | Chloromethane               | 20.000  | 21.489  | -7.4  | 86    | 0.00     |
| 4 M  | Vinyl Chloride              | 20.000  | 20.586  | -2.9  | 82    | 0.00     |
| 5 M  | Bromomethane                | 20.000  | 19.968  | 0.2   | 82    | 0.00     |
| 6 M  | Chloroethane                | 20.000  | 20.958  | -4.8  | 83    | 0.00     |
| 7 M  | Trichlorofluoromethane      | 20.000  | 20.690  | -3.5  | 85    | 0.00     |
| 8 T  | Diethyl Ether               | 20.000  | 21.182  | -5.9  | 83    | 0.00     |
| 9    | 1,1,2-Trichlorotrifluoroeth | 20.000  | 19.948  | 0.3   | 81    | 0.00     |
| 10 M | 1,1-Dichloroethene          | 20.000  | 21.187  | -5.9  | 84    | 0.00     |
| 11   | Methyl Iodide               | 20.000  | 17.564  | 12.2  | 92    | 0.00     |
| 12   | Methyl Acetate              | 20.000  | 20.709  | -3.5  | 84    | 0.00     |
| 13 M | Acrolein                    | 100.000 | 117.257 | -17.3 | 119   | 0.00     |
| 14 M | Acrylonitrile               | 100.000 | 101.453 | -1.5  | 81    | 0.00     |
| 15 M | Acetone                     | 100.000 | 96.630  | 3.4   | 74    | -0.01    |
| 16 M | Carbon Disulfide            | 20.000  | 20.720  | -3.6  | 85    | 0.00     |
| 17   | Allyl chloride              | 20.000  | 20.234  | -1.2  | 81    | 0.00     |
| 18 M | Methylene Chloride          | 20.000  | 19.857  | 0.7   | 79    | 0.00     |
| 19 M | trans-1,2-Dichloroethene    | 20.000  | 19.531  | 2.3   | 81    | 0.00     |
| 20 T | Diisopropyl ether           | 20.000  | 20.506  | -2.5  | 80    | 0.00     |
| 21 M | 1,1-Dichloroethane          | 20.000  | 20.447  | -2.2  | 82    | 0.00     |
| 22 M | cis-1,2-Dichloroethene      | 20.000  | 20.151  | -0.8  | 81    | 0.00     |
| 23 M | tert-Butyl Alcohol          | 100.000 | 102.944 | -2.9  | 82    | 0.00     |
| 24 M | Methyl tert-Butyl Ether     | 20.000  | 20.435  | -2.2  | 83    | 0.00     |
| 25 M | Chloroform                  | 20.000  | 19.971  | 0.1   | 81    | 0.00     |
| 26   | Cyclohexane                 | 20.000  | 19.622  | 1.9   | 80    | 0.00     |
| 27 s | 1,2-Dichloroethane-d4       | 30.000  | 29.892  | 0.4   | 81    | 0.00     |
| 28 I | 1,4-Difluorobenzene         | 30.000  | 30.000  | 0.0   | 82    | 0.00     |
| 29   | 1,1-Dichloropropene         | 20.000  | 20.480  | -2.4  | 83    | 0.00     |
| 30 M | 2-Butanone                  | 100.000 | 101.332 | -1.3  | 82    | 0.00     |
| 31   | 2,2-Dichloropropane         | 20.000  | 18.908  | 5.5   | 76    | 0.00     |
| 32 M | 1,1,1-Trichloroethane       | 20.000  | 19.987  | 0.1   | 81    | 0.00     |
| 33 M | Carbon Tetrachloride        | 20.000  | 20.440  | -2.2  | 83    | 0.00     |
| 34 M | Benzene                     | 20.000  | 19.953  | 0.2   | 80    | 0.00     |
| 35   | Methacrylonitrile           | 20.000  | 19.253  | 3.7   | 79    | 0.00     |
| 36 M | 1,2-Dichloroethane          | 20.000  | 20.027  | -0.1  | 82    | 0.00     |
| 37 M | Trichloroethene             | 20.000  | 20.065  | -0.3  | 82    | 0.00     |
| 38   | Methylcyclohexane           | 20.000  | 19.624  | 1.9   | 82    | 0.00     |
| 39 M | 1,2-Dichloropropane         | 20.000  | 20.406  | -2.0  | 85    | 0.00     |
| 40   | Dibromomethane              | 20.000  | 20.008  | -0.0  | 84    | 0.00     |
| 41 M | Bromodichloromethane        | 20.000  | 19.932  | 0.3   | 84    | 0.00     |
| 42 M | Vinyl Acetate               | 100.000 | 99.228  | 0.8   | 82    | 0.00     |
| 43   | Ethyl Acetate               | 20.000  | 19.659  | 1.7   | 75    | 0.00     |
| 44   | Isopropyl Acetate           | 20.000  | 20.327  | -1.6  | 83    | 0.00     |
| 45 T | 1,4-Dioxane                 | 400.000 | 412.361 | -3.1  | 80    | 0.00     |
| 46   | Methyl methacrylate         | 20.000  | 19.421  | 2.9   | 83    | 0.00     |
| 47   | n-amyl Acetate              | 20.000  | 20.127  | -0.6  | 138   | 0.02     |
| 48 M | t-1,3-Dichloropropene       | 20.000  | 19.876  | 0.6   | 86    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN072825\  
 Data File : VN087425.D  
 Acq On : 28 Jul 2025 11:54  
 Operator : JC\MD  
 Sample : VSTDICV020  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 ICVVN072825

Quant Time: Jul 28 13:25:42 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N072825W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Mon Jul 28 11:35:47 2025  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound                    | Amount  | Calc.   | %Dev   | Area% | Dev(min) |
|------|-----------------------------|---------|---------|--------|-------|----------|
| 49 T | cis-1,3-Dichloropropene     | 20.000  | 19.764  | 1.2    | 85    | 0.00     |
| 50 M | 1,1,2-Trichloroethane       | 20.000  | 19.602  | 2.0    | 84    | 0.00     |
| 51   | Ethyl methacrylate          | 20.000  | 19.648  | 1.8    | 84    | 0.00     |
| 52   | 1,3-Dichloropropane         | 20.000  | 20.440  | -2.2   | 89    | 0.00     |
| 53 M | Dibromochloromethane        | 20.000  | 20.124  | -0.6   | 87    | 0.00     |
| 54 M | 1,2-Dibromoethane           | 20.000  | 20.347  | -1.7   | 89    | 0.00     |
| 55 M | 2-Chloroethyl vinyl ether   | 100.000 | 134.997 | -35.0# | 106   | 0.00     |
| 56 M | Bromoform                   | 20.000  | 18.736  | 6.3    | 81    | 0.00     |
| 57 I | Chlorobenzene-d5            | 30.000  | 30.000  | 0.0    | 86    | 0.00     |
| 58 M | 4-Methyl-2-Pentanone        | 100.000 | 105.229 | -5.2   | 87    | 0.00     |
| 59 M | 2-Hexanone                  | 100.000 | 100.286 | -0.3   | 86    | 0.00     |
| 60 S | 4-Bromofluorobenzene        | 30.000  | 29.605  | 1.3    | 85    | 0.00     |
| 61 M | Tetrachloroethene           | 20.000  | 20.141  | -0.7   | 88    | 0.00     |
| 62 M | Toluene                     | 20.000  | 20.305  | -1.5   | 88    | 0.00     |
| 63 S | Toluene-d8                  | 30.000  | 30.352  | -1.2   | 87    | 0.00     |
| 64 M | Chlorobenzene               | 20.000  | 20.060  | -0.3   | 87    | 0.00     |
| 65   | 1,1,1,2-Tetrachloroethane   | 20.000  | 19.787  | 1.1    | 82    | 0.00     |
| 66 M | Ethyl Benzene               | 20.000  | 20.304  | -1.5   | 86    | 0.00     |
| 67 M | m/p-Xylenes                 | 40.000  | 40.681  | -1.7   | 86    | 0.00     |
| 68 M | o-Xylene                    | 20.000  | 20.365  | -1.8   | 85    | 0.00     |
| 69 M | Styrene                     | 20.000  | 19.925  | 0.4    | 84    | 0.00     |
| 70   | Isopropylbenzene            | 20.000  | 20.135  | -0.7   | 85    | 0.00     |
| 71 M | 1,1,2,2-Tetrachloroethane   | 20.000  | 20.522  | -2.6   | 87    | 0.00     |
| 72   | 1,2,3-Trichloropropane      | 20.000  | 18.683  | 6.6    | 73    | 0.00     |
| 73   | Bromobenzene                | 20.000  | 20.138  | -0.7   | 88    | 0.00     |
| 74   | n-propylbenzene             | 20.000  | 20.081  | -0.4   | 85    | 0.00     |
| 75   | 2-Chlorotoluene             | 20.000  | 20.229  | -1.1   | 86    | 0.00     |
| 76   | 1,3,5-Trimethylbenzene      | 20.000  | 20.279  | -1.4   | 85    | 0.00     |
| 77   | t-1,4-Dichloro-2-butene     | 20.000  | 17.839  | 10.8   | 79    | 0.00     |
| 78   | 4-Chlorotoluene             | 20.000  | 20.106  | -0.5   | 84    | 0.00     |
| 79   | tert-butylbenzene           | 20.000  | 20.153  | -0.8   | 85    | 0.00     |
| 80   | 1,2,4-Trimethylbenzene      | 20.000  | 20.210  | -1.1   | 84    | 0.00     |
| 81   | sec-Butylbenzene            | 20.000  | 20.327  | -1.6   | 85    | 0.00     |
| 82   | p-Isopropyltoluene          | 20.000  | 20.514  | -2.6   | 84    | 0.00     |
| 83 M | 1,3-Dichlorobenzene         | 20.000  | 20.300  | -1.5   | 84    | 0.00     |
| 84 M | 1,4-Dichlorobenzene         | 20.000  | 20.116  | -0.6   | 84    | 0.00     |
| 85   | n-Butylbenzene              | 20.000  | 20.341  | -1.7   | 86    | 0.00     |
| 86 T | Hexachloroethane            | 20.000  | 20.374  | -1.9   | 86    | 0.00     |
| 87 M | 1,2-Dichlorobenzene         | 20.000  | 20.189  | -0.9   | 85    | 0.00     |
| 88   | 1,2-Dibromo-3-Chloropropane | 20.000  | 18.943  | 5.3    | 82    | 0.00     |
| 89   | 1,2,4-Trichlorobenzene      | 20.000  | 20.050  | -0.3   | 86    | 0.00     |
| 90   | Hexachlorobutadiene         | 20.000  | 19.766  | 1.2    | 86    | 0.00     |
| 91 M | Naphthalene                 | 20.000  | 20.425  | -2.1   | 88    | 0.00     |
| 92   | 1,2,3-Trichlorobenzene      | 20.000  | 20.050  | -0.3   | 86    | 0.00     |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0



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

## VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: TULL01  
 Lab Code: ACE SDG No.: Q2729  
 Instrument ID: MSVOA\_N Calibration Date/Time: 07/30/2025 09:19  
 Lab File ID: VN087437.D Init. Calib. Date(s): 07/28/2025 07/28/2025  
 Heated Purge: (Y/N) N Init. Calib. Time(s): 09:06 11:09  
 GC Column: RXI-624 ID: 0.25 (mm)

| COMPOUND              | RRF   | RRF020 | MIN<br>RRF | %D     | MAX%D |
|-----------------------|-------|--------|------------|--------|-------|
| Benzene               | 1.393 | 1.246  | 0.5        | -10.55 |       |
| Toluene               | 1.693 | 1.493  | 0.4        | -11.81 |       |
| Ethyl Benzene         | 1.850 | 1.642  | 0.1        | -11.24 |       |
| m/p-Xylenes           | 0.693 | 0.610  | 0.3        | -11.98 |       |
| o-Xylene              | 0.678 | 0.612  | 0.3        | -9.73  |       |
| 1,2-Dichloroethane-d4 | 2.294 | 2.443  | 0.01       | 6.49   |       |
| Toluene-d8            | 1.378 | 1.395  | 0.01       | 1.23   |       |
| 4-Bromofluorobenzene  | 0.493 | 0.476  | 0.2        | -3.45  |       |

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN073025\  
 Data File : VN087437.D  
 Acq On : 30 Jul 2025 09:19  
 Operator : JC\MD  
 Sample : VSTDCCC020  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC020

Manual Integrations  
 APPROVED

Reviewed By :John  
 Carlone

Quant Time: Jul 31 01:10:55 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N072825W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Mon Jul 28 11:35:47 2025  
 Response via : Initial Calibration

07/31/2025  
 Supervised By :Mahesh  
 Dadoda

| Compound                     | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) | D   |
|------------------------------|--------|-------|----------|----------|-------|----------|-----|
| -----                        |        |       |          |          |       |          |     |
| Internal Standards           |        |       |          |          |       |          |     |
| 1) Bromochloromethane        | 7.794  | 128   | 54900    | 30.000   | ug/l  | 0.00     |     |
| 28) 1,4-Difluorobenzene      | 9.083  | 114   | 310969   | 30.000   | ug/l  | 0.00     |     |
| 57) Chlorobenzene-d5         | 11.847 | 117   | 281690   | 30.000   | ug/l  | 0.00     |     |
| System Monitoring Compounds  |        |       |          |          |       |          |     |
| 27) 1,2-Dichloroethane-d4    | 8.559  | 65    | 134116   | 31.947   | ug/l  | 0.00     |     |
| Spiked Amount                | 30.000 | Range | 91 - 110 | Recovery | =     | 106.500% |     |
| 60) 4-Bromofluorobenzene     | 12.829 | 95    | 134007   | 28.970   | ug/l  | 0.00     |     |
| Spiked Amount                | 30.000 | Range | 63 - 112 | Recovery | =     | 96.567%  |     |
| 63) Toluene-d8               | 10.547 | 98    | 393088   | 30.386   | ug/l  | 0.00     |     |
| Spiked Amount                | 30.000 | Range | 91 - 112 | Recovery | =     | 101.300% |     |
| Target Compounds             |        |       |          |          |       |          |     |
|                              |        |       |          |          |       | Qvalue   |     |
| 2) Dichlorodifluoromethane   | 2.142  | 85    | 57513    | 17.955   | ug/l  |          | 94  |
| 3) Chloromethane             | 2.383  | 50    | 61140    | 17.981   | ug/l  |          | 99  |
| 4) Vinyl Chloride            | 2.542  | 62    | 58725    | 17.070   | ug/l  |          | 98  |
| 5) Bromomethane              | 2.983  | 94    | 27694    | 16.508   | ug/l  |          | 99  |
| 6) Chloroethane              | 3.136  | 64    | 37385    | 19.267   | ug/l  | #        | 86  |
| 7) Trichlorofluoromethane    | 3.512  | 101   | 83323    | 19.251   | ug/l  |          | 98  |
| 8) Diethyl Ether             | 3.959  | 74    | 37088    | 20.531   | ug/l  |          | 97  |
| 9) 1,1,2-Trichlorotrifluo... | 4.359  | 101   | 44363m   | 18.789   | ug/l  |          |     |
| 10) 1,1-Dichloroethene       | 4.336  | 96    | 46630    | 19.854   | ug/l  |          | 94  |
| 11) Methyl Iodide            | 4.571  | 142   | 27541    | 12.950   | ug/l  |          | 95  |
| 12) Methyl Acetate           | 5.018  | 43    | 101180   | 19.758   | ug/l  | #        | 91  |
| 13) Acrolein                 | 4.171  | 56    | 55618    | 133.171  | ug/l  |          | 99  |
| 14) Acrylonitrile            | 5.712  | 53    | 210271   | 94.693   | ug/l  |          | 100 |
| 15) Acetone                  | 4.418  | 58    | 62014    | 120.495  | ug/l  |          | 84  |
| 16) Carbon Disulfide         | 4.701  | 76    | 134310   | 16.091   | ug/l  | #        | 88  |
| 17) Allyl chloride           | 5.012  | 41    | 100267   | 18.322   | ug/l  |          | 98  |
| 18) Methylene Chloride       | 5.259  | 84    | 61019    | 17.257   | ug/l  | #        | 86  |
| 19) trans-1,2-Dichloroethene | 5.777  | 96    | 55600    | 16.664   | ug/l  |          | 99  |
| 20) Diisopropyl ether        | 6.665  | 45    | 236639   | 19.006   | ug/l  |          | 97  |
| 21) 1,1-Dichloroethane       | 6.553  | 63    | 116265   | 18.424   | ug/l  |          | 97  |
| 22) cis-1,2-Dichloroethene   | 7.471  | 96    | 72382    | 17.849   | ug/l  |          | 98  |
| 23) tert-Butyl Alcohol       | 5.524  | 59    | 83296    | 96.778   | ug/l  | #        | 100 |
| 24) Methyl tert-Butyl Ether  | 5.795  | 73    | 215277   | 18.475   | ug/l  |          | 97  |
| 25) Chloroform               | 7.947  | 83    | 116916   | 18.351   | ug/l  |          | 94  |
| 26) Cyclohexane              | 8.241  | 56    | 96822    | 16.613   | ug/l  |          | 95  |
| 29) 1,1-Dichloropropene      | 8.359  | 75    | 76926    | 17.426   | ug/l  |          | 98  |
| 30) 2-Butanone               | 7.477  | 43    | 313973   | 98.166   | ug/l  |          | 98  |
| 31) 2,2-Dichloropropane      | 7.471  | 77    | 98196    | 17.851   | ug/l  | #        | 80  |
| 32) 1,1,1-Trichloroethane    | 8.147  | 97    | 92631    | 17.457   | ug/l  |          | 99  |
| 33) Carbon Tetrachloride     | 8.347  | 117   | 76382    | 17.457   | ug/l  |          | 97  |
| 34) Benzene                  | 8.588  | 78    | 258308   | 17.890   | ug/l  |          | 99  |
| 35) Methacrylonitrile        | 7.765  | 41    | 67621    | 18.456   | ug/l  |          | 94  |
| 36) 1,2-Dichloroethane       | 8.653  | 62    | 89864    | 18.702   | ug/l  | #        | 93  |
| 37) Trichloroethene          | 9.335  | 130   | 56815    | 17.238   | ug/l  |          | 98  |
| 38) Methylcyclohexane        | 9.583  | 83    | 89255    | 15.676   | ug/l  |          | 97  |
| 39) 1,2-Dichloropropane      | 9.606  | 63    | 67864    | 18.669   | ug/l  |          | 97  |
| 40) Dibromomethane           | 9.688  | 93    | 48719    | 18.893   | ug/l  |          | 97  |
| 41) Bromodichloromethane     | 9.871  | 83    | 98350    | 18.951   | ug/l  |          | 94  |
| 42) Vinyl Acetate            | 6.595  | 43    | 1010741  | 93.905   | ug/l  |          | 98  |

07/31/2025

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN073025\  
 Data File : VN087437.D  
 Acq On : 30 Jul 2025 09:19  
 Operator : JC\MD  
 Sample : VSTDCCC020  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VSTDCCC020

Manual Integrations  
 APPROVED

Reviewed By :John  
 Carlone

07/31/2025  
 Supervised By :Mahesh  
 Dadoda

Quant Time: Jul 31 01:10:55 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N072825W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Mon Jul 28 11:35:47 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 43) Ethyl Acetate             | 7.553  | 43   | 122876m  | 18.741  | ug/l   |          |
| 44) Isopropyl Acetate         | 8.677  | 43   | 206595   | 19.723  | ug/l   | 95       |
| 45) 1,4-Dioxane               | 9.683  | 88   | 28436    | 427.865 | ug/l # | 27       |
| 46) Methyl methacrylate       | 9.665  | 41   | 90926    | 18.643  | ug/l   | 95       |
| 47) n-amyl Acetate            | 12.524 | 43   | 83136m   | 19.252  | ug/l   |          |
| 48) t-1,3-Dichloropropene     | 10.818 | 75   | 108905   | 18.640  | ug/l   | 99       |
| 49) cis-1,3-Dichloropropene   | 10.294 | 75   | 112712   | 18.369  | ug/l   | 98       |
| 50) 1,1,2-Trichloroethane     | 11.000 | 97   | 62202    | 18.122  | ug/l   | 99       |
| 51) Ethyl methacrylate        | 10.859 | 69   | 115449   | 18.573  | ug/l   | 90       |
| 52) 1,3-Dichloropropane       | 11.141 | 76   | 111645   | 18.820  | ug/l   | 99       |
| 53) Dibromochloromethane      | 11.341 | 129  | 73570    | 18.687  | ug/l   | 99       |
| 54) 1,2-Dibromoethane         | 11.447 | 107  | 66981    | 18.546  | ug/l   | 99       |
| 55) 2-Chloroethyl vinyl ether | 10.141 | 63   | 331080   | 129.542 | ug/l   | 98       |
| 56) Bromoform                 | 12.559 | 173  | 47252    | 17.103  | ug/l   | 99       |
| 58) 4-Methyl-2-Pentanone      | 10.424 | 43   | 627206   | 98.851  | ug/l   | 99       |
| 59) 2-Hexanone                | 11.182 | 43   | 419225   | 95.341  | ug/l   | 98       |
| 61) Tetrachloroethene         | 11.082 | 164  | 45038    | 16.840  | ug/l   | 94       |
| 62) Toluene                   | 10.612 | 91   | 280326   | 17.633  | ug/l   | 99       |
| 64) Chlorobenzene             | 11.871 | 112  | 170783   | 17.469  | ug/l   | 98       |
| 65) 1,1,1,2-Tetrachloroethane | 11.941 | 131  | 60589    | 18.276  | ug/l   | 99       |
| 66) Ethyl Benzene             | 11.941 | 91   | 308416   | 17.757  | ug/l   | 100      |
| 67) m/p-Xylenes               | 12.053 | 106  | 228921   | 35.175  | ug/l   | 99       |
| 68) o-Xylene                  | 12.376 | 106  | 114894   | 18.040  | ug/l   | 99       |
| 69) Styrene                   | 12.394 | 104  | 193630   | 17.775  | ug/l   | 99       |
| 70) Isopropylbenzene          | 12.676 | 105  | 285966   | 17.484  | ug/l   | 100      |
| 71) 1,1,2,2-Tetrachloroethane | 12.918 | 83   | 102687   | 18.413  | ug/l   | 98       |
| 72) 1,2,3-Trichloropropane    | 12.971 | 75   | 85820m   | 16.917  | ug/l   |          |
| 73) Bromobenzene              | 12.959 | 156  | 66654    | 17.540  | ug/l   | 99       |
| 74) n-propylbenzene           | 13.018 | 91   | 353029   | 17.483  | ug/l   | 99       |
| 75) 2-Chlorotoluene           | 13.106 | 91   | 210818   | 17.591  | ug/l   | 100      |
| 76) 1,3,5-Trimethylbenzene    | 13.153 | 105  | 240427   | 17.744  | ug/l   | 99       |
| 77) t-1,4-Dichloro-2-butene   | 12.718 | 75   | 33583    | 15.601  | ug/l   | 98       |
| 78) 4-Chlorotoluene           | 13.200 | 91   | 222613   | 18.089  | ug/l   | 99       |
| 79) tert-butylbenzene         | 13.418 | 119  | 207134   | 17.696  | ug/l   | 97       |
| 80) 1,2,4-Trimethylbenzene    | 13.459 | 105  | 240997   | 17.925  | ug/l   | 100      |
| 81) sec-Butylbenzene          | 13.594 | 105  | 304439   | 17.510  | ug/l   | 98       |
| 82) p-Isopropyltoluene        | 13.712 | 119  | 250907   | 17.780  | ug/l   | 99       |
| 83) 1,3-Dichlorobenzene       | 13.712 | 146  | 128128   | 17.817  | ug/l   | 98       |
| 84) 1,4-Dichlorobenzene       | 13.794 | 146  | 131201   | 17.446  | ug/l   | 97       |
| 85) n-Butylbenzene            | 14.035 | 91   | 244788   | 17.223  | ug/l   | 98       |
| 86) Hexachloroethane          | 14.312 | 117  | 50807    | 17.727  | ug/l   | 92       |
| 87) 1,2-Dichlorobenzene       | 14.088 | 146  | 128306   | 18.353  | ug/l   | 98       |
| 88) 1,2-Dibromo-3-Chloropr... | 14.700 | 75   | 22283    | 17.311  | ug/l   | 97       |
| 89) 1,2,4-Trichlorobenzene    | 15.812 | 180  | 71068    | 16.667  | ug/l   | 99       |
| 90) Hexachlorobutadiene       | 15.476 | 225  | 25335    | 15.606  | ug/l   | 95       |
| 91) Naphthalene               | 15.612 | 128  | 282785   | 17.547  | ug/l   | 99       |
| 92) 1,2,3-Trichlorobenzene    | 15.812 | 180  | 71068    | 16.667  | ug/l   | 99       |

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN073025\  
 Data File : VN087437.D  
 Acq On : 30 Jul 2025 09:19  
 Operator : JC\MD  
 Sample : VSTDCCC020  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

## Instrument :

MSVOA\_N

## ClientSampleId :

VSTDCCC020

## Manual Integrations

## APPROVED

Reviewed By :John  
 Carlone

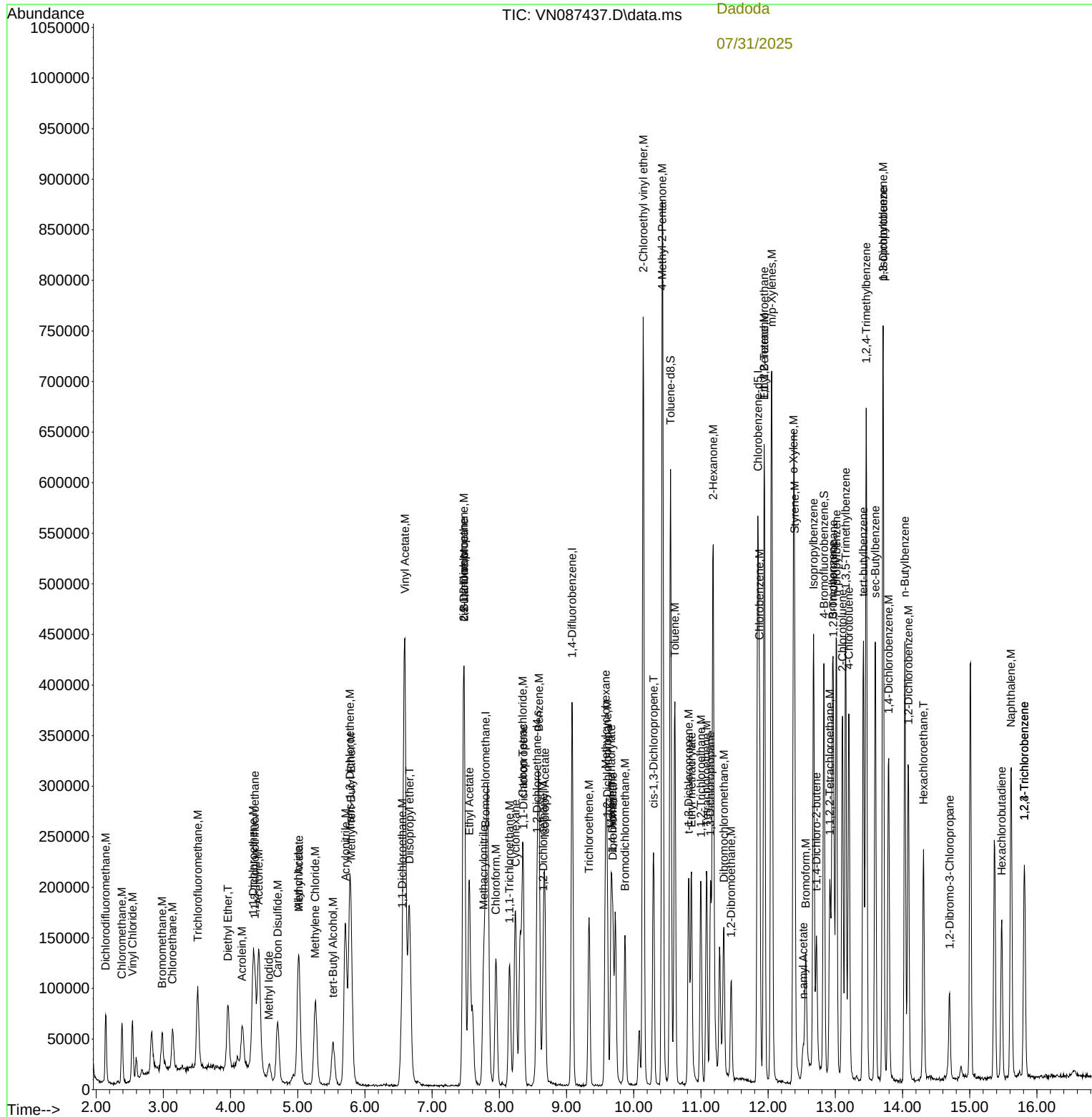
07/31/2025

Supervised By :Mahesh

Dadoda

07/31/2025

Quant Time: Jul 31 01:10:55 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N072825W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Mon Jul 28 11:35:47 2025  
 Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN073025\  
 Data File : VN087437.D  
 Acq On : 30 Jul 2025 09:19  
 Operator : JC\MD  
 Sample : VSTDCCC020  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC020

Quant Time: Jul 31 01:10:55 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N072825W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Mon Jul 28 11:35:47 2025  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound                    | AvgRF | CCRF  | %Dev   | Area% | Dev(min) |
|------|-----------------------------|-------|-------|--------|-------|----------|
| 1 I  | Bromochloromethane          | 1.000 | 1.000 | 0.0    | 52    | 0.00     |
| 2 M  | Dichlorodifluoromethane     | 1.750 | 1.571 | 10.2   | 45#   | 0.00     |
| 3 M  | Chloromethane               | 1.858 | 1.670 | 10.1   | 47#   | 0.00     |
| 4 M  | Vinyl Chloride              | 1.880 | 1.605 | 14.6   | 45#   | 0.00     |
| 5 M  | Bromomethane                | 0.917 | 0.757 | 17.4   | 44#   | 0.00     |
| 6 M  | Chloroethane                | 1.060 | 1.021 | 3.7    | 50#   | 0.00     |
| 7 M  | Trichlorofluoromethane      | 2.365 | 2.277 | 3.7    | 51    | 0.00     |
| 8 T  | Diethyl Ether               | 0.987 | 1.013 | -2.6   | 53    | 0.00     |
| 9    | 1,1,2-Trichlorotrifluoroeth | 1.290 | 1.212 | 6.0    | 50#   | 0.00     |
| 10 M | 1,1-Dichloroethene          | 1.283 | 1.274 | 0.7    | 51    | 0.00     |
| 11   | Methyl Iodide               | 1.162 | 0.752 | 35.3#  | 44#   | 0.00     |
| 12   | Methyl Acetate              | 2.798 | 2.764 | 1.2    | 52    | 0.00     |
| 13 M | Acrolein                    | 0.228 | 0.304 | -33.3# | 88    | -0.01    |
| 14 M | Acrylonitrile               | 1.213 | 1.149 | 5.3    | 49#   | 0.00     |
| 15 M | Acetone                     | 0.281 | 0.339 | -20.6  | 60    | -0.01    |
| 16 M | Carbon Disulfide            | 4.561 | 3.670 | 19.5   | 43#   | 0.00     |
| 17   | Allyl chloride              | 2.990 | 2.740 | 8.4    | 48#   | 0.00     |
| 18 M | Methylene Chloride          | 1.932 | 1.667 | 13.7   | 45#   | 0.00     |
| 19 M | trans-1,2-Dichloroethene    | 1.823 | 1.519 | 16.7   | 45#   | 0.00     |
| 20 T | Diisopropyl ether           | 6.804 | 6.466 | 5.0    | 49#   | 0.00     |
| 21 M | 1,1-Dichloroethane          | 3.448 | 3.177 | 7.9    | 48#   | 0.00     |
| 22 M | cis-1,2-Dichloroethene      | 2.216 | 1.978 | 10.7   | 47#   | 0.00     |
| 23 M | tert-Butyl Alcohol          | 0.470 | 0.455 | 3.2    | 51    | 0.00     |
| 24 M | Methyl tert-Butyl Ether     | 6.367 | 5.882 | 7.6    | 49#   | 0.00     |
| 25 M | Chloroform                  | 3.481 | 3.194 | 8.2    | 49#   | 0.00     |
| 26   | Cyclohexane                 | 3.185 | 2.645 | 17.0   | 44#   | 0.00     |
| 27 s | 1,2-Dichloroethane-d4       | 2.294 | 2.443 | -6.5   | 56    | 0.00     |
| 28 I | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0    | 53    | 0.00     |
| 29   | 1,1-Dichloropropene         | 0.426 | 0.371 | 12.9   | 46#   | 0.00     |
| 30 M | 2-Butanone                  | 0.309 | 0.303 | 1.9    | 51    | 0.00     |
| 31   | 2,2-Dichloropropane         | 0.531 | 0.474 | 10.7   | 46#   | 0.00     |
| 32 M | 1,1,1-Trichloroethane       | 0.512 | 0.447 | 12.7   | 46#   | 0.00     |
| 33 M | Carbon Tetrachloride        | 0.422 | 0.368 | 12.8   | 46#   | 0.00     |
| 34 M | Benzene                     | 1.393 | 1.246 | 10.6   | 47#   | 0.00     |
| 35   | Methacrylonitrile           | 0.353 | 0.326 | 7.6    | 49#   | 0.00     |
| 36 M | 1,2-Dichloroethane          | 0.464 | 0.433 | 6.7    | 49#   | 0.00     |
| 37 M | Trichloroethene             | 0.318 | 0.274 | 13.8   | 46#   | 0.00     |
| 38   | Methylcyclohexane           | 0.549 | 0.431 | 21.5   | 42#   | 0.00     |
| 39 M | 1,2-Dichloropropane         | 0.351 | 0.327 | 6.8    | 50    | 0.00     |
| 40   | Dibromomethane              | 0.249 | 0.235 | 5.6    | 52    | 0.00     |
| 41 M | Bromodichloromethane        | 0.501 | 0.474 | 5.4    | 52    | 0.00     |
| 42 M | Vinyl Acetate               | 1.038 | 0.975 | 6.1    | 50    | 0.00     |
| 43   | Ethyl Acetate               | 0.633 | 0.593 | 6.3    | 46#   | 0.00     |
| 44   | Isopropyl Acetate           | 1.011 | 0.997 | 1.4    | 52    | 0.00     |
| 45 T | 1,4-Dioxane                 | 0.006 | 0.007 | -16.7  | 53    | 0.00     |
| 46   | Methyl methacrylate         | 0.471 | 0.439 | 6.8    | 52    | 0.00     |
| 47   | n-amyl Acetate              | 0.417 | 0.401 | 3.8    | 85    | 0.00     |
| 48 M | t-1,3-Dichloropropene       | 0.564 | 0.525 | 6.9    | 52    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN073025\  
 Data File : VN087437.D  
 Acq On : 30 Jul 2025 09:19  
 Operator : JC\MD  
 Sample : VSTDCCC020  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC020

Quant Time: Jul 31 01:10:55 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N072825W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Mon Jul 28 11:35:47 2025  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound                    | AvgRF | CCRF  | %Dev   | Area% | Dev(min) |
|------|-----------------------------|-------|-------|--------|-------|----------|
| 49 T | cis-1,3-Dichloropropene     | 0.592 | 0.544 | 8.1    | 51    | 0.00     |
| 50 M | 1,1,2-Trichloroethane       | 0.331 | 0.300 | 9.4    | 50    | 0.00     |
| 51   | Ethyl methacrylate          | 0.600 | 0.557 | 7.2    | 52    | 0.00     |
| 52   | 1,3-Dichloropropane         | 0.572 | 0.539 | 5.8    | 53    | 0.00     |
| 53 M | Dibromochloromethane        | 0.380 | 0.355 | 6.6    | 53    | 0.00     |
| 54 M | 1,2-Dibromoethane           | 0.348 | 0.323 | 7.2    | 52    | 0.00     |
| 55 M | 2-Chloroethyl vinyl ether   | 0.247 | 0.319 | -29.1# | 66    | 0.00     |
| 56 M | Bromoform                   | 0.267 | 0.228 | 14.6   | 48#   | 0.00     |
| 57 I | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0    | 57    | 0.00     |
| 58 M | 4-Methyl-2-Pentanone        | 0.676 | 0.668 | 1.2    | 55    | 0.00     |
| 59 M | 2-Hexanone                  | 0.468 | 0.446 | 4.7    | 54    | 0.00     |
| 60 S | 4-Bromofluorobenzene        | 0.493 | 0.476 | 3.4    | 55    | 0.00     |
| 61 M | Tetrachloroethene           | 0.285 | 0.240 | 15.8   | 49#   | 0.00     |
| 62 M | Toluene                     | 1.693 | 1.493 | 11.8   | 51    | 0.00     |
| 63 S | Toluene-d8                  | 1.378 | 1.395 | -1.2   | 58    | 0.00     |
| 64 M | Chlorobenzene               | 1.041 | 0.909 | 12.7   | 50    | 0.00     |
| 65   | 1,1,1,2-Tetrachloroethane   | 0.353 | 0.323 | 8.5    | 51    | 0.00     |
| 66 M | Ethyl Benzene               | 1.850 | 1.642 | 11.2   | 50#   | 0.00     |
| 67 M | m/p-Xylenes                 | 0.693 | 0.610 | 12.0   | 50#   | 0.00     |
| 68 M | o-Xylene                    | 0.678 | 0.612 | 9.7    | 50#   | 0.00     |
| 69 M | Styrene                     | 1.160 | 1.031 | 11.1   | 50#   | 0.00     |
| 70   | Isopropylbenzene            | 1.742 | 1.523 | 12.6   | 49#   | 0.00     |
| 71 M | 1,1,2,2-Tetrachloroethane   | 0.594 | 0.547 | 7.9    | 52    | 0.00     |
| 72   | 1,2,3-Trichloropropane      | 0.540 | 0.457 | 15.4   | 44#   | 0.00     |
| 73   | Bromobenzene                | 0.405 | 0.355 | 12.3   | 51    | 0.00     |
| 74   | n-propylbenzene             | 2.151 | 1.880 | 12.6   | 49#   | 0.00     |
| 75   | 2-Chlorotoluene             | 1.276 | 1.123 | 12.0   | 50#   | 0.00     |
| 76   | 1,3,5-Trimethylbenzene      | 1.443 | 1.280 | 11.3   | 50#   | 0.00     |
| 77   | t-1,4-Dichloro-2-butene     | 0.229 | 0.179 | 21.8   | 46#   | 0.00     |
| 78   | 4-Chlorotoluene             | 1.311 | 1.185 | 9.6    | 50    | 0.00     |
| 79   | tert-butylbenzene           | 1.247 | 1.103 | 11.5   | 49#   | 0.00     |
| 80   | 1,2,4-Trimethylbenzene      | 1.432 | 1.283 | 10.4   | 50#   | 0.00     |
| 81   | sec-Butylbenzene            | 1.852 | 1.621 | 12.5   | 49#   | 0.00     |
| 82   | p-Isopropyltoluene          | 1.503 | 1.336 | 11.1   | 49#   | 0.00     |
| 83 M | 1,3-Dichlorobenzene         | 0.766 | 0.682 | 11.0   | 49#   | 0.00     |
| 84 M | 1,4-Dichlorobenzene         | 0.801 | 0.699 | 12.7   | 48#   | 0.00     |
| 85   | n-Butylbenzene              | 1.514 | 1.303 | 13.9   | 49#   | 0.00     |
| 86 T | Hexachloroethane            | 0.305 | 0.271 | 11.1   | 50#   | 0.00     |
| 87 M | 1,2-Dichlorobenzene         | 0.745 | 0.683 | 8.3    | 52    | 0.00     |
| 88   | 1,2-Dibromo-3-Chloropropane | 0.137 | 0.119 | 13.1   | 50    | 0.00     |
| 89   | 1,2,4-Trichlorobenzene      | 0.454 | 0.378 | 16.7   | 48#   | 0.00     |
| 90   | Hexachlorobutadiene         | 0.173 | 0.135 | 22.0   | 45#   | 0.00     |
| 91 M | Naphthalene                 | 1.716 | 1.506 | 12.2   | 50    | 0.00     |
| 92   | 1,2,3-Trichlorobenzene      | 0.454 | 0.378 | 16.7   | 48#   | 0.00     |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN073025\  
 Data File : VN087437.D  
 Acq On : 30 Jul 2025 09:19  
 Operator : JC\MD  
 Sample : VSTDCCC020  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC020

Quant Time: Jul 31 01:10:55 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N072825W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Mon Jul 28 11:35:47 2025  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound                    | Amount  | Calc.   | %Dev   | Area% | Dev(min) |
|------|-----------------------------|---------|---------|--------|-------|----------|
| 1 I  | Bromochloromethane          | 30.000  | 30.000  | 0.0    | 52    | 0.00     |
| 2 M  | Dichlorodifluoromethane     | 20.000  | 17.955  | 10.2   | 45    | 0.00     |
| 3 M  | Chloromethane               | 20.000  | 17.981  | 10.1   | 47    | 0.00     |
| 4 M  | Vinyl Chloride              | 20.000  | 17.070  | 14.6   | 45    | 0.00     |
| 5 M  | Bromomethane                | 20.000  | 16.508  | 17.5   | 44    | 0.00     |
| 6 M  | Chloroethane                | 20.000  | 19.267  | 3.7    | 50    | 0.00     |
| 7 M  | Trichlorofluoromethane      | 20.000  | 19.251  | 3.7    | 51    | 0.00     |
| 8 T  | Diethyl Ether               | 20.000  | 20.531  | -2.7   | 53    | 0.00     |
| 9    | 1,1,2-Trichlorotrifluoroeth | 20.000  | 18.789  | 6.1    | 50    | 0.00     |
| 10 M | 1,1-Dichloroethene          | 20.000  | 19.854  | 0.7    | 51    | 0.00     |
| 11   | Methyl Iodide               | 20.000  | 12.950  | 35.3#  | 44    | 0.00     |
| 12   | Methyl Acetate              | 20.000  | 19.758  | 1.2    | 52    | 0.00     |
| 13 M | Acrolein                    | 100.000 | 133.171 | -33.2# | 88    | -0.01    |
| 14 M | Acrylonitrile               | 100.000 | 94.693  | 5.3    | 49    | 0.00     |
| 15 M | Acetone                     | 100.000 | 120.495 | -20.5  | 60    | -0.01    |
| 16 M | Carbon Disulfide            | 20.000  | 16.091  | 19.5   | 43    | 0.00     |
| 17   | Allyl chloride              | 20.000  | 18.322  | 8.4    | 48    | 0.00     |
| 18 M | Methylene Chloride          | 20.000  | 17.257  | 13.7   | 45    | 0.00     |
| 19 M | trans-1,2-Dichloroethene    | 20.000  | 16.664  | 16.7   | 45    | 0.00     |
| 20 T | Diisopropyl ether           | 20.000  | 19.006  | 5.0    | 49    | 0.00     |
| 21 M | 1,1-Dichloroethane          | 20.000  | 18.424  | 7.9    | 48    | 0.00     |
| 22 M | cis-1,2-Dichloroethene      | 20.000  | 17.849  | 10.8   | 47    | 0.00     |
| 23 M | tert-Butyl Alcohol          | 100.000 | 96.778  | 3.2    | 51    | 0.00     |
| 24 M | Methyl tert-Butyl Ether     | 20.000  | 18.475  | 7.6    | 49    | 0.00     |
| 25 M | Chloroform                  | 20.000  | 18.351  | 8.2    | 49    | 0.00     |
| 26   | Cyclohexane                 | 20.000  | 16.613  | 16.9   | 44    | 0.00     |
| 27 s | 1,2-Dichloroethane-d4       | 30.000  | 31.947  | -6.5   | 56    | 0.00     |
| 28 I | 1,4-Difluorobenzene         | 30.000  | 30.000  | 0.0    | 53    | 0.00     |
| 29   | 1,1-Dichloropropene         | 20.000  | 17.426  | 12.9   | 46    | 0.00     |
| 30 M | 2-Butanone                  | 100.000 | 98.166  | 1.8    | 51    | 0.00     |
| 31   | 2,2-Dichloropropane         | 20.000  | 17.851  | 10.7   | 46    | 0.00     |
| 32 M | 1,1,1-Trichloroethane       | 20.000  | 17.457  | 12.7   | 46    | 0.00     |
| 33 M | Carbon Tetrachloride        | 20.000  | 17.457  | 12.7   | 46    | 0.00     |
| 34 M | Benzene                     | 20.000  | 17.890  | 10.5   | 47    | 0.00     |
| 35   | Methacrylonitrile           | 20.000  | 18.456  | 7.7    | 49    | 0.00     |
| 36 M | 1,2-Dichloroethane          | 20.000  | 18.702  | 6.5    | 49    | 0.00     |
| 37 M | Trichloroethene             | 20.000  | 17.238  | 13.8   | 46    | 0.00     |
| 38   | Methylcyclohexane           | 20.000  | 15.676  | 21.6   | 42    | 0.00     |
| 39 M | 1,2-Dichloropropane         | 20.000  | 18.669  | 6.7    | 50    | 0.00     |
| 40   | Dibromomethane              | 20.000  | 18.893  | 5.5    | 52    | 0.00     |
| 41 M | Bromodichloromethane        | 20.000  | 18.951  | 5.2    | 52    | 0.00     |
| 42 M | Vinyl Acetate               | 100.000 | 93.905  | 6.1    | 50    | 0.00     |
| 43   | Ethyl Acetate               | 20.000  | 18.741  | 6.3    | 46    | 0.00     |
| 44   | Isopropyl Acetate           | 20.000  | 19.723  | 1.4    | 52    | 0.00     |
| 45 T | 1,4-Dioxane                 | 400.000 | 427.865 | -7.0   | 53    | 0.00     |
| 46   | Methyl methacrylate         | 20.000  | 18.643  | 6.8    | 52    | 0.00     |
| 47   | n-amyl Acetate              | 20.000  | 19.252  | 3.7    | 85    | 0.00     |
| 48 M | t-1,3-Dichloropropene       | 20.000  | 18.640  | 6.8    | 52    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN073025\  
 Data File : VN087437.D  
 Acq On : 30 Jul 2025 09:19  
 Operator : JC\MD  
 Sample : VSTDCCC020  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 LabSampleId :  
 VSTDCCC020

Quant Time: Jul 31 01:10:55 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N072825W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Mon Jul 28 11:35:47 2025  
 Response via : Initial Calibration

Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 25% Max. Rel. Area : 150%

|      | Compound                    | Amount  | Calc.   | %Dev   | Area% | Dev(min) |
|------|-----------------------------|---------|---------|--------|-------|----------|
| 49 T | cis-1,3-Dichloropropene     | 20.000  | 18.369  | 8.2    | 51    | 0.00     |
| 50 M | 1,1,2-Trichloroethane       | 20.000  | 18.122  | 9.4    | 50    | 0.00     |
| 51   | Ethyl methacrylate          | 20.000  | 18.573  | 7.1    | 52    | 0.00     |
| 52   | 1,3-Dichloropropane         | 20.000  | 18.820  | 5.9    | 53    | 0.00     |
| 53 M | Dibromochloromethane        | 20.000  | 18.687  | 6.6    | 53    | 0.00     |
| 54 M | 1,2-Dibromoethane           | 20.000  | 18.546  | 7.3    | 52    | 0.00     |
| 55 M | 2-Chloroethyl vinyl ether   | 100.000 | 129.542 | -29.5# | 66    | 0.00     |
| 56 M | Bromoform                   | 20.000  | 17.103  | 14.5   | 48    | 0.00     |
| 57 I | Chlorobenzene-d5            | 30.000  | 30.000  | 0.0    | 57    | 0.00     |
| 58 M | 4-Methyl-2-Pentanone        | 100.000 | 98.851  | 1.1    | 55    | 0.00     |
| 59 M | 2-Hexanone                  | 100.000 | 95.341  | 4.7    | 54    | 0.00     |
| 60 S | 4-Bromofluorobenzene        | 30.000  | 28.970  | 3.4    | 55    | 0.00     |
| 61 M | Tetrachloroethene           | 20.000  | 16.840  | 15.8   | 49    | 0.00     |
| 62 M | Toluene                     | 20.000  | 17.633  | 11.8   | 51    | 0.00     |
| 63 S | Toluene-d8                  | 30.000  | 30.386  | -1.3   | 58    | 0.00     |
| 64 M | Chlorobenzene               | 20.000  | 17.469  | 12.7   | 50    | 0.00     |
| 65   | 1,1,1,2-Tetrachloroethane   | 20.000  | 18.276  | 8.6    | 51    | 0.00     |
| 66 M | Ethyl Benzene               | 20.000  | 17.757  | 11.2   | 50    | 0.00     |
| 67 M | m/p-Xylenes                 | 40.000  | 35.175  | 12.1   | 50    | 0.00     |
| 68 M | o-Xylene                    | 20.000  | 18.040  | 9.8    | 50    | 0.00     |
| 69 M | Styrene                     | 20.000  | 17.775  | 11.1   | 50    | 0.00     |
| 70   | Isopropylbenzene            | 20.000  | 17.484  | 12.6   | 49    | 0.00     |
| 71 M | 1,1,2,2-Tetrachloroethane   | 20.000  | 18.413  | 7.9    | 52    | 0.00     |
| 72   | 1,2,3-Trichloropropane      | 20.000  | 16.917  | 15.4   | 44    | 0.00     |
| 73   | Bromobenzene                | 20.000  | 17.540  | 12.3   | 51    | 0.00     |
| 74   | n-propylbenzene             | 20.000  | 17.483  | 12.6   | 49    | 0.00     |
| 75   | 2-Chlorotoluene             | 20.000  | 17.591  | 12.0   | 50    | 0.00     |
| 76   | 1,3,5-Trimethylbenzene      | 20.000  | 17.744  | 11.3   | 50    | 0.00     |
| 77   | t-1,4-Dichloro-2-butene     | 20.000  | 15.601  | 22.0   | 46    | 0.00     |
| 78   | 4-Chlorotoluene             | 20.000  | 18.089  | 9.6    | 50    | 0.00     |
| 79   | tert-butylbenzene           | 20.000  | 17.696  | 11.5   | 49    | 0.00     |
| 80   | 1,2,4-Trimethylbenzene      | 20.000  | 17.925  | 10.4   | 50    | 0.00     |
| 81   | sec-Butylbenzene            | 20.000  | 17.510  | 12.4   | 49    | 0.00     |
| 82   | p-Isopropyltoluene          | 20.000  | 17.780  | 11.1   | 49    | 0.00     |
| 83 M | 1,3-Dichlorobenzene         | 20.000  | 17.817  | 10.9   | 49    | 0.00     |
| 84 M | 1,4-Dichlorobenzene         | 20.000  | 17.446  | 12.8   | 48    | 0.00     |
| 85   | n-Butylbenzene              | 20.000  | 17.223  | 13.9   | 49    | 0.00     |
| 86 T | Hexachloroethane            | 20.000  | 17.727  | 11.4   | 50    | 0.00     |
| 87 M | 1,2-Dichlorobenzene         | 20.000  | 18.353  | 8.2    | 52    | 0.00     |
| 88   | 1,2-Dibromo-3-Chloropropane | 20.000  | 17.311  | 13.4   | 50    | 0.00     |
| 89   | 1,2,4-Trichlorobenzene      | 20.000  | 16.667  | 16.7   | 48    | 0.00     |
| 90   | Hexachlorobutadiene         | 20.000  | 15.606  | 22.0   | 45    | 0.00     |
| 91 M | Naphthalene                 | 20.000  | 17.547  | 12.3   | 50    | 0.00     |
| 92   | 1,2,3-Trichlorobenzene      | 20.000  | 16.667  | 16.7   | 48    | 0.00     |

(#) = Out of Range

SPCC's out = 0 CCC's out = 0



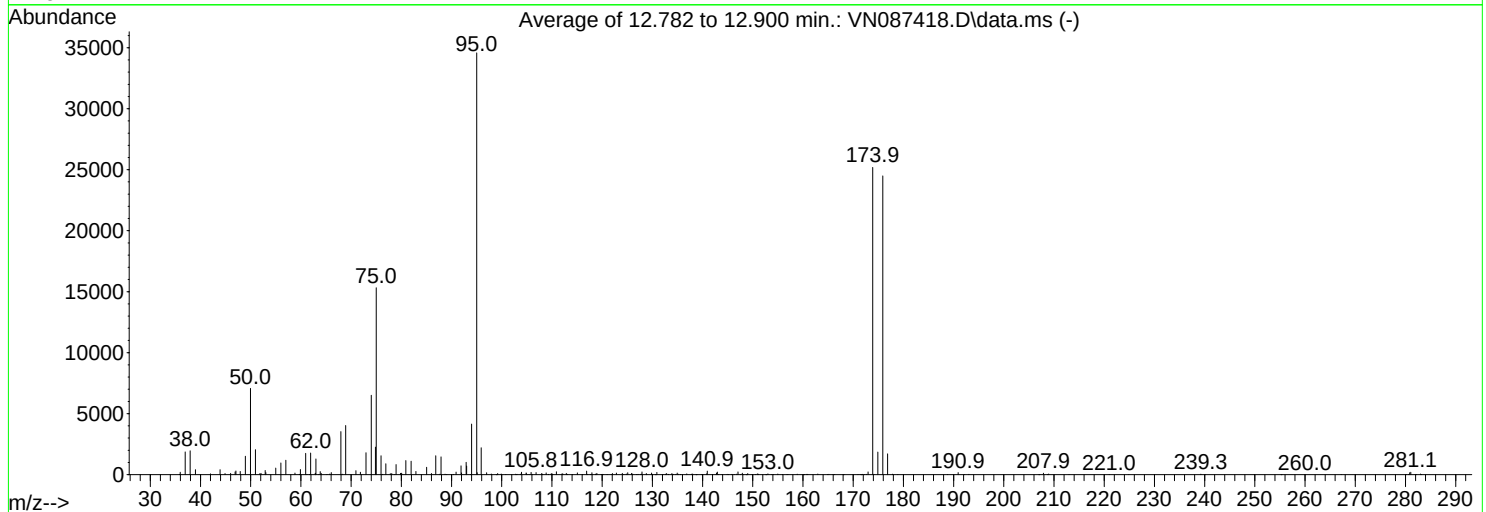
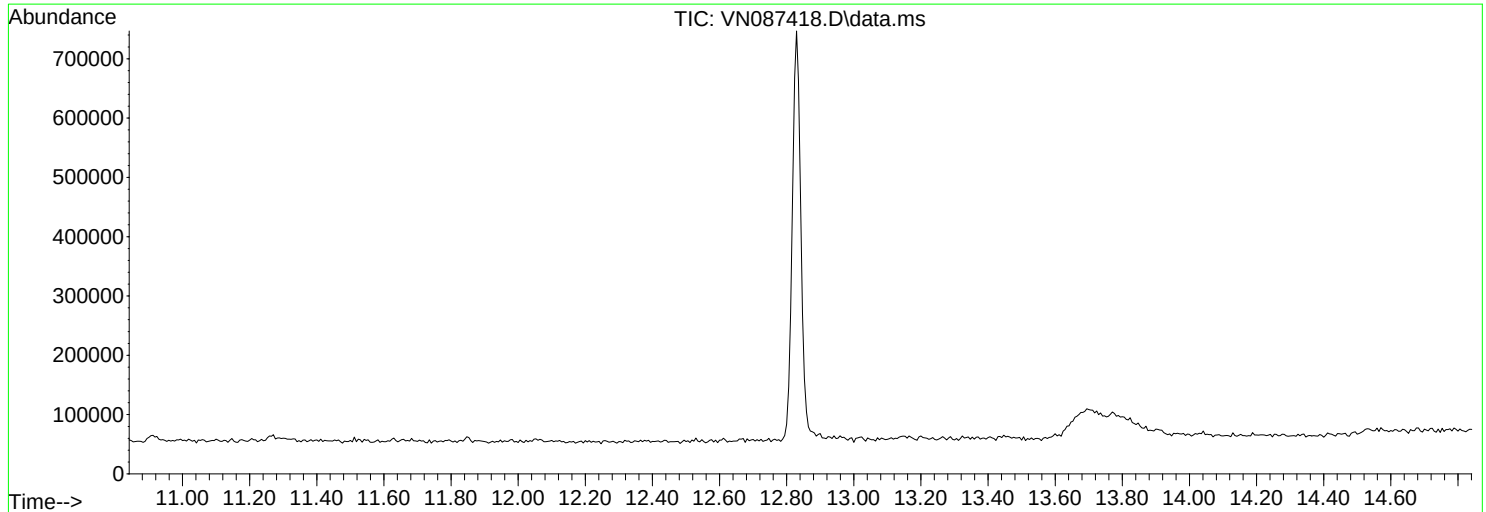
# QC SAMPLE DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN072825\  
Data File : VN087418.D  
Acq On : 28 Jul 2025 08:31  
Operator : JC\MD  
Sample : BFB  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
BFB

Integration File: RTEINT3.P

Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N072825W.M  
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
Last Update : Mon Jul 28 11:35:47 2025



AutoFind: Averaged scan 1841 to 1861; Bkg corrected with scan 1840

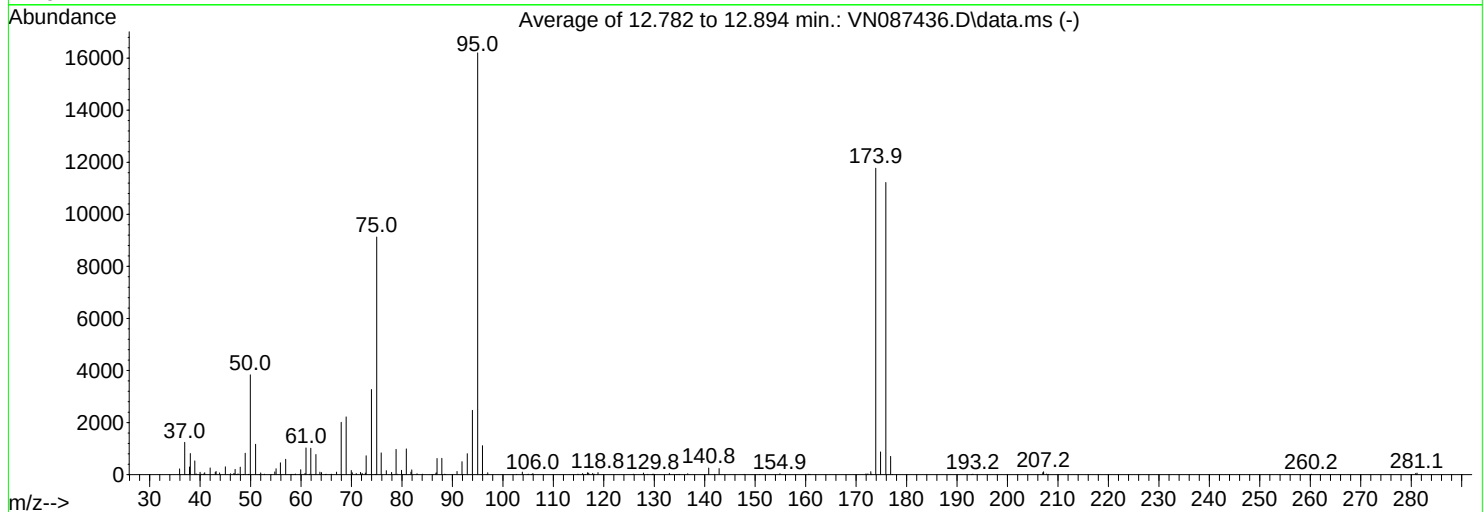
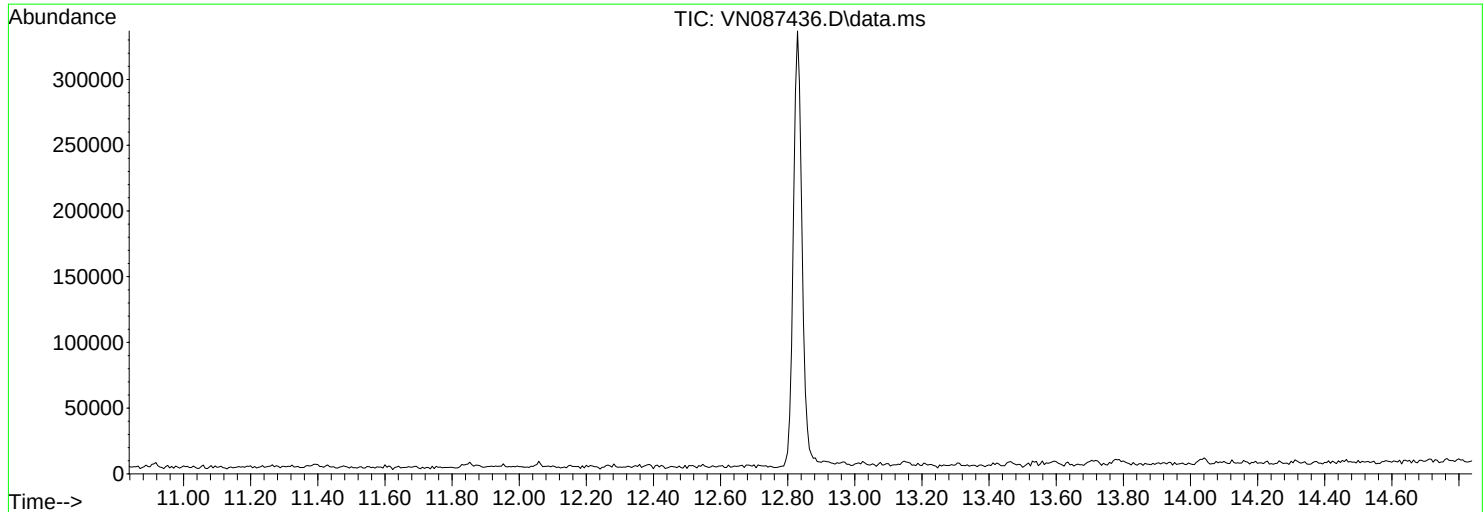
| Target | Rel. to | Lower  | Upper  | Rel.  | Raw   | Result    |
|--------|---------|--------|--------|-------|-------|-----------|
| Mass   | Mass    | Limit% | Limit% | Abn%  | Abn   | Pass/Fail |
| 50     | 95      | 15     | 40     | 20.4  | 7071  | PASS      |
| 75     | 95      | 30     | 60     | 44.3  | 15317 | PASS      |
| 95     | 95      | 100    | 100    | 100.0 | 34582 | PASS      |
| 96     | 95      | 5      | 9      | 6.4   | 2201  | PASS      |
| 173    | 174     | 0.00   | 2      | 0.9   | 222   | PASS      |
| 174    | 95      | 50     | 100    | 72.8  | 25188 | PASS      |
| 175    | 174     | 5      | 9      | 7.3   | 1848  | PASS      |
| 176    | 174     | 95     | 101    | 97.2  | 24487 | PASS      |
| 177    | 176     | 5      | 9      | 7.0   | 1704  | PASS      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN073025\  
Data File : VN087436.D  
Acq On : 30 Jul 2025 08:46  
Operator : JC\MD  
Sample : BFB  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
BFB

Integration File: RTEINT3.P

Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N072825W.M  
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
Last Update : Mon Jul 28 11:35:47 2025



AutoFind: Averaged scan 1841 to 1860; Bkg corrected with scan 1840

| Target<br>Mass | Rel. to<br>Mass | Lower<br>Limit% | Upper<br>Limit% | Rel.<br>Abn% | Raw<br>Abn | Result<br>Pass/Fail |
|----------------|-----------------|-----------------|-----------------|--------------|------------|---------------------|
| 50             | 95              | 15              | 40              | 23.7         | 3835       | PASS                |
| 75             | 95              | 30              | 60              | 56.3         | 9127       | PASS                |
| 95             | 95              | 100             | 100             | 100.0        | 16202      | PASS                |
| 96             | 95              | 5               | 9               | 6.9          | 1110       | PASS                |
| 173            | 174             | 0.00            | 2               | 1.0          | 115        | PASS                |
| 174            | 95              | 50              | 100             | 72.6         | 11769      | PASS                |
| 175            | 174             | 5               | 9               | 7.4          | 871        | PASS                |
| 176            | 174             | 95              | 101             | 95.3         | 11221      | PASS                |
| 177            | 176             | 5               | 9               | 6.2          | 701        | PASS                |

## Report of Analysis

|                    |                          |        |      |                 |          |
|--------------------|--------------------------|--------|------|-----------------|----------|
| Client:            | Tully Environmental, Inc |        |      | Date Collected: |          |
| Project:           | Transfer Station-SPDES   |        |      | Date Received:  |          |
| Client Sample ID:  | VN0730WBL01              |        |      | SDG No.:        | Q2729    |
| Lab Sample ID:     | VN0730WBL01              |        |      | Matrix:         | Water    |
| Analytical Method: | E624.1                   |        |      | % Solid:        | 0        |
| Sample Wt/Vol:     | 5                        | Units: | mL   | Final Vol:      | 5000 uL  |
| Soil Aliquot Vol:  |                          |        | uL   | Test:           | VOC-BTEX |
| GC Column:         | RXI-624                  | ID :   | 0.25 | Level :         | LOW      |
| Prep Method :      |                          |        |      |                 |          |

|                   |           |                |               |
|-------------------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Date Analyzed  | Prep Batch ID |
| VN087440.D        | 1         | 07/30/25 11:20 | VN073025      |

| CAS Number                | Parameter             | Conc.  | Qualifier | MDL      | LOQ / CRQL | Units   |
|---------------------------|-----------------------|--------|-----------|----------|------------|---------|
| <b>TARGETS</b>            |                       |        |           |          |            |         |
| 71-43-2                   | Benzene               | 0.45   | U         | 0.45     | 5.00       | ug/L    |
| 108-88-3                  | Toluene               | 0.46   | U         | 0.46     | 5.00       | ug/L    |
| 100-41-4                  | Ethyl Benzene         | 0.56   | U         | 0.56     | 5.00       | ug/L    |
| 179601-23-1               | m/p-Xylenes           | 1.30   | U         | 1.30     | 10.0       | ug/L    |
| 95-47-6                   | o-Xylene              | 0.67   | U         | 0.67     | 5.00       | ug/L    |
| <b>SURROGATES</b>         |                       |        |           |          |            |         |
| 17060-07-0                | 1,2-Dichloroethane-d4 | 30.4   |           | 91 - 110 | 101%       | SPK: 30 |
| 2037-26-5                 | Toluene-d8            | 30.4   |           | 91 - 112 | 101%       | SPK: 30 |
| 460-00-4                  | 4-Bromofluorobenzene  | 27.3   |           | 63 - 112 | 91%        | SPK: 30 |
| <b>INTERNAL STANDARDS</b> |                       |        |           |          |            |         |
| 74-97-5                   | Bromochloromethane    | 50500  | 7.8       |          |            |         |
| 540-36-3                  | 1,4-Difluorobenzene   | 272000 | 9.082     |          |            |         |
| 3114-55-4                 | Chlorobenzene-d5      | 244000 | 11.847    |          |            |         |

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN073025\  
Data File : VN087440.D  
Acq On : 30 Jul 2025 11:20  
Operator : JC\MD  
Sample : VN0730WBL01  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0730WBL01

Quant Time: Jul 31 01:14:01 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N072825W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Mon Jul 28 11:35:47 2025  
Response via : Initial Calibration

| Compound                | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|--------|------|----------|--------|-------|----------|
| -----                   |        |      |          |        |       |          |
| Internal Standards      |        |      |          |        |       |          |
| 1) Bromochloromethane   | 7.800  | 128  | 50464    | 30.000 | ug/l  | 0.00     |
| 28) 1,4-Difluorobenzene | 9.082  | 114  | 272258   | 30.000 | ug/l  | 0.00     |
| 57) Chlorobenzene-d5    | 11.847 | 117  | 243647   | 30.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 27) 1,2-Dichloroethane-d4   | 8.565  | 65    | 117368   | 30.415   | ug/l | 0.00     |
| Spiked Amount               | 30.000 | Range | 91 - 110 | Recovery | =    | 101.367% |
| 60) 4-Bromofluorobenzene    | 12.829 | 95    | 109256   | 27.307   | ug/l | 0.00     |
| Spiked Amount               | 30.000 | Range | 63 - 112 | Recovery | =    | 91.033%  |
| 63) Toluene-d8              | 10.547 | 98    | 340527   | 30.433   | ug/l | 0.00     |
| Spiked Amount               | 30.000 | Range | 91 - 112 | Recovery | =    | 101.433% |

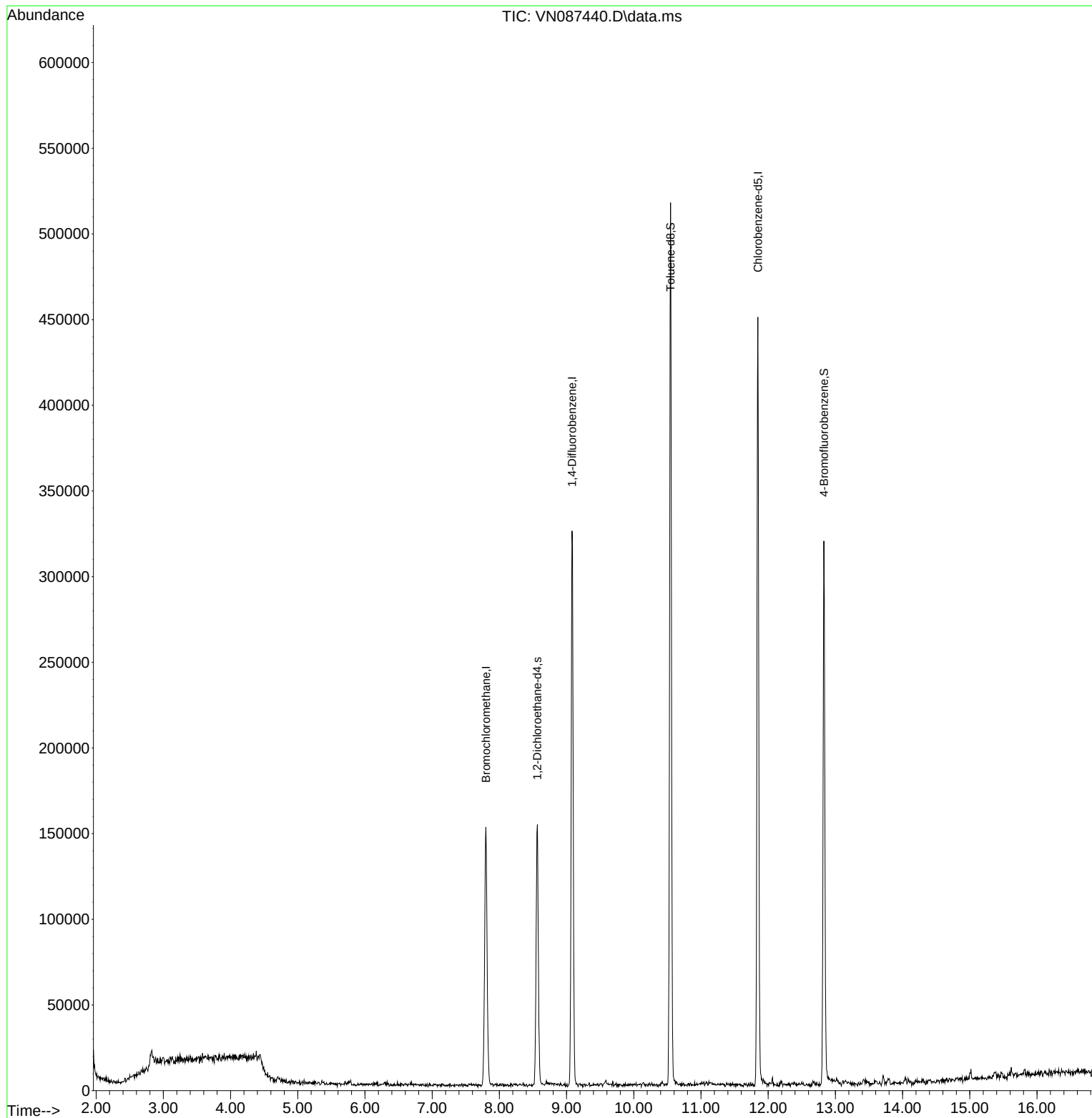
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

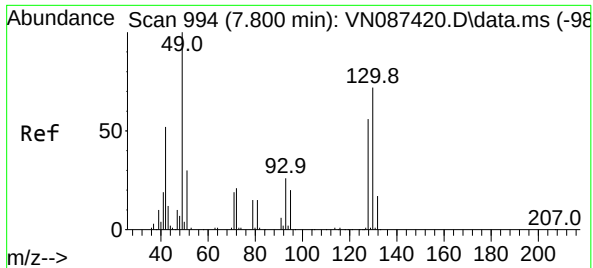
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN073025\  
Data File : VN087440.D  
Acq On : 30 Jul 2025 11:20  
Operator : JC\MD  
Sample : VN0730WBL01  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0730WBL01

Quant Time: Jul 31 01:14:01 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N072825W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Mon Jul 28 11:35:47 2025  
Response via : Initial Calibration

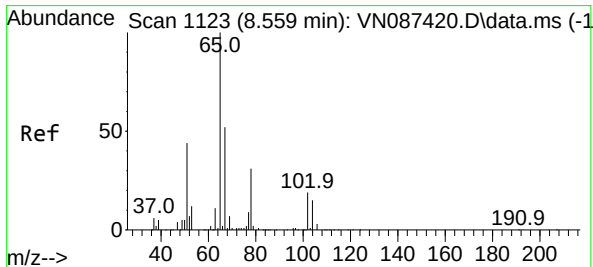
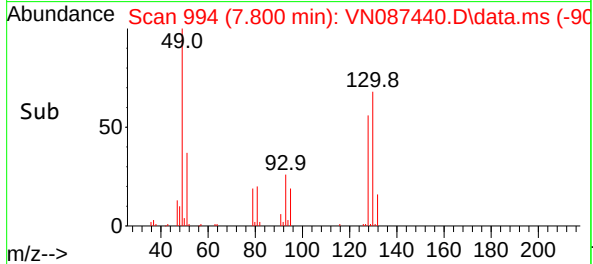
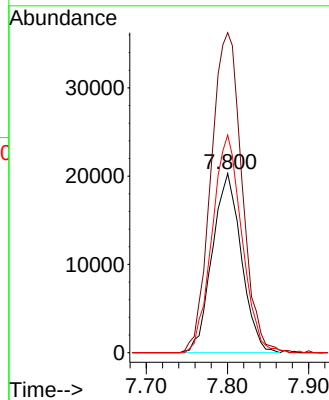
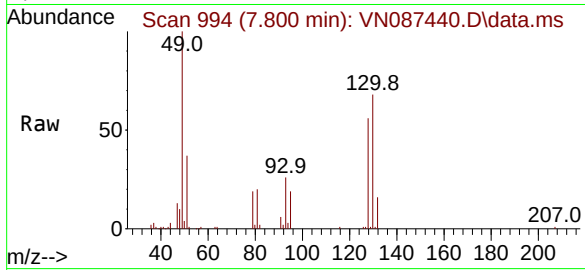




#1  
Bromochloromethane  
Concen: 30.000 ug/l  
RT: 7.800 min Scan# 994  
Delta R.T. 0.000 min  
Lab File: VN087440.D  
Acq: 30 Jul 2025 11:20

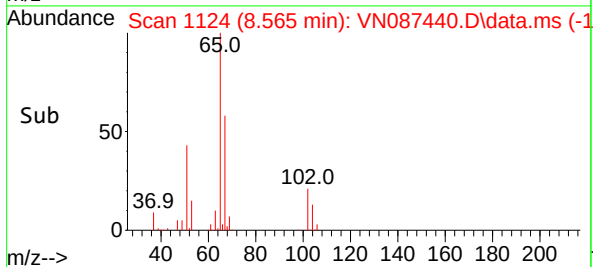
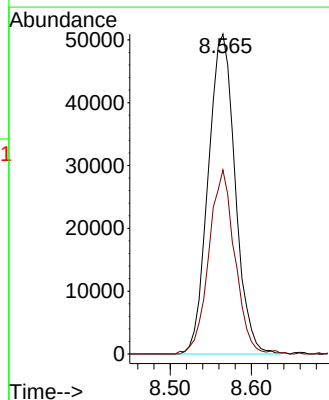
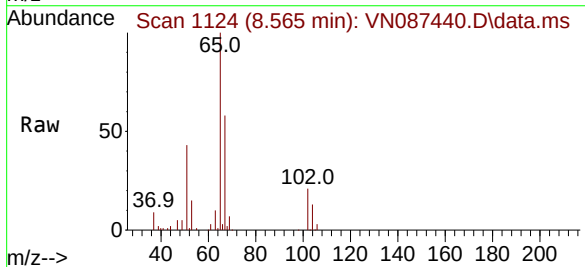
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0730WBL01

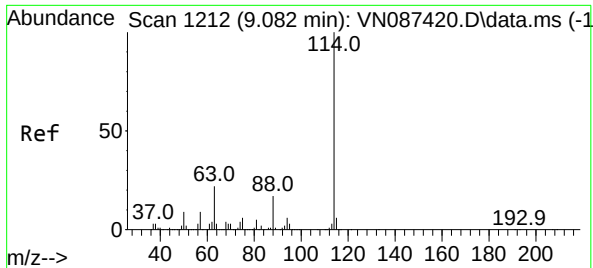
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 128   | Resp: | 50464 |
| Ion Ratio | Lower | Upper |       |
| 128       | 100   |       |       |
| 49        | 190.3 | 0.0   | 457.3 |
| 130       | 124.3 | 0.0   | 316.0 |



#27  
1,2-Dichloroethane-d4  
Concen: 30.415 ug/l  
RT: 8.565 min Scan# 1124  
Delta R.T. 0.006 min  
Lab File: VN087440.D  
Acq: 30 Jul 2025 11:20

|           |       |       |        |
|-----------|-------|-------|--------|
| Tgt Ion:  | 65    | Resp: | 117368 |
| Ion Ratio | Lower | Upper |        |
| 65        | 100   |       |        |
| 67        | 55.4  | 42.3  | 63.5   |





#28

1,4-Difluorobenzene

Concen: 30.000 ug/l

RT: 9.082 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN087440.D

Acq: 30 Jul 2025 11:20

Instrument :

MSVOA\_N

ClientSampleId :

VN0730WBL01

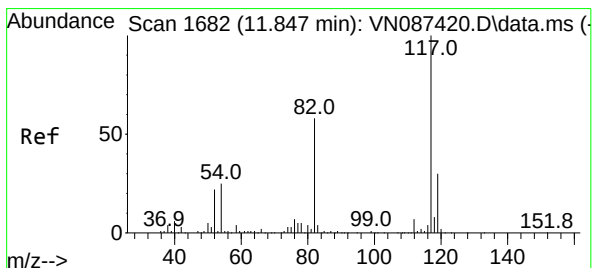
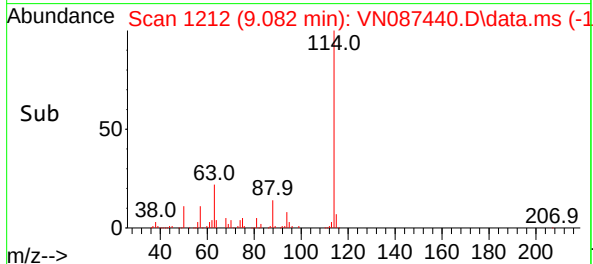
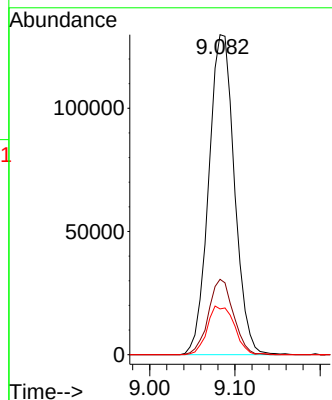
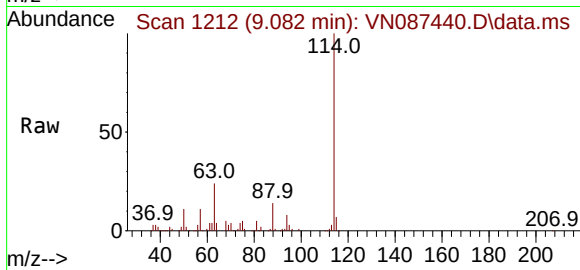
Tgt Ion:114 Resp: 272258

Ion Ratio Lower Upper

114 100

63 22.8 17.8 26.6

88 15.8 13.0 19.4



#57

Chlorobenzene-d5

Concen: 30.000 ug/l

RT: 11.847 min Scan# 1682

Delta R.T. 0.000 min

Lab File: VN087440.D

Acq: 30 Jul 2025 11:20

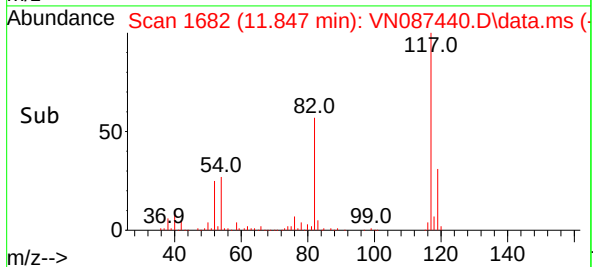
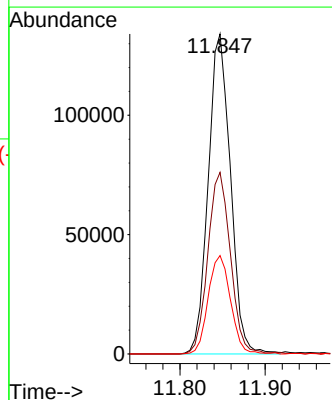
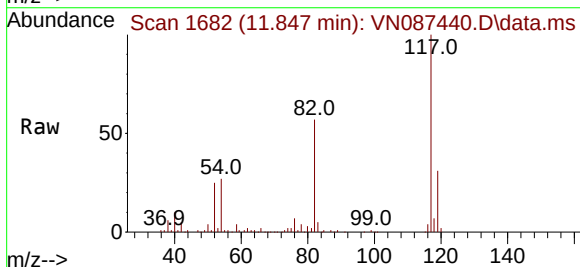
Tgt Ion:117 Resp: 243647

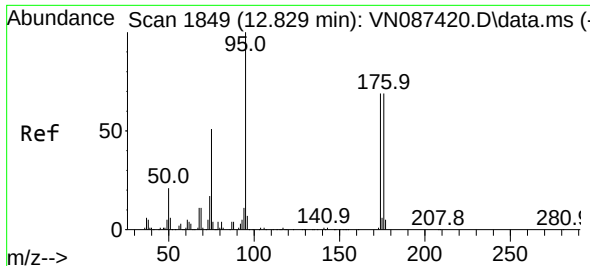
Ion Ratio Lower Upper

117 100

82 57.5 46.2 69.4

119 30.8 25.7 38.5

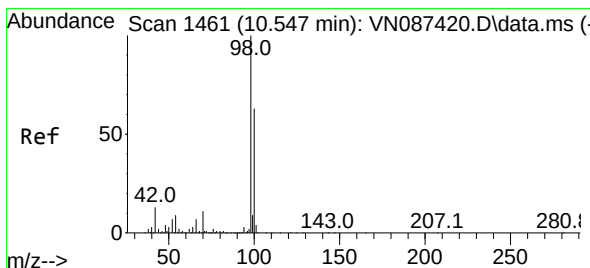
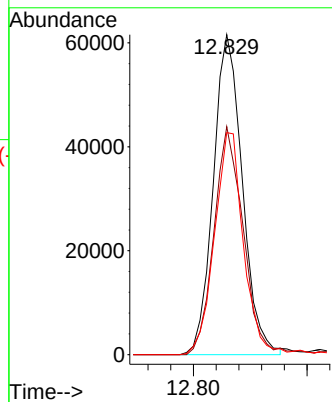
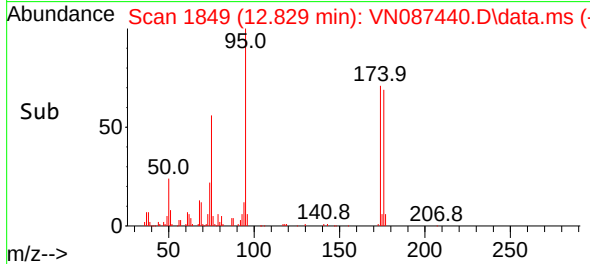
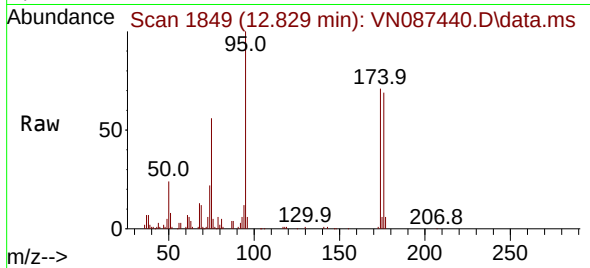




#60  
4-Bromofluorobenzene  
Concen: 27.307 ug/l  
RT: 12.829 min Scan# 1849  
Delta R.T. 0.000 min  
Lab File: VN087440.D  
Acq: 30 Jul 2025 11:20

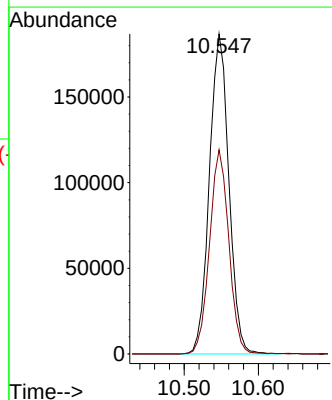
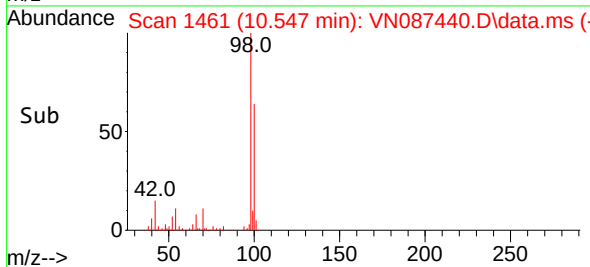
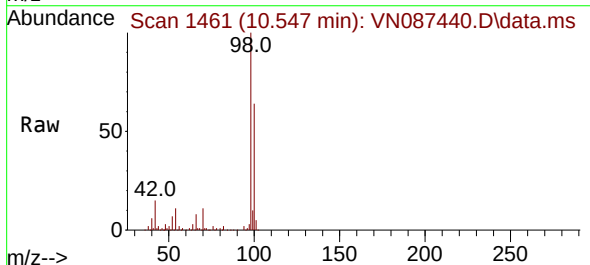
Instrument :  
MSVOA\_N  
ClientSampleId :  
VN0730WBL01

Tgt Ion: 95 Resp: 109256  
Ion Ratio Lower Upper  
95 100  
174 71.5 57.8 86.8  
176 69.2 54.9 82.3



#63  
Toluene-d8  
Concen: 30.433 ug/l  
RT: 10.547 min Scan# 1461  
Delta R.T. 0.000 min  
Lab File: VN087440.D  
Acq: 30 Jul 2025 11:20

Tgt Ion: 98 Resp: 340527  
Ion Ratio Lower Upper  
98 100  
100 63.2 50.7 76.1



## Report of Analysis

|                    |                                           |                 |                              |
|--------------------|-------------------------------------------|-----------------|------------------------------|
| Client:            | Tully Environmental, Inc                  | Date Collected: |                              |
| Project:           | Transfer Station-SPDES                    | Date Received:  |                              |
| Client Sample ID:  | VN0730WBS01                               | SDG No.:        | Q2729                        |
| Lab Sample ID:     | VN0730WBS01                               | Matrix:         | Water                        |
| Analytical Method: | E624.1                                    | % Solid:        | 0                            |
| Sample Wt/Vol:     | 5                      Units:    mL       | Final Vol:      | 5000                      uL |
| Soil Aliquot Vol:  | uL                                        | Test:           | VOC-BTEX                     |
| GC Column:         | RXI-624                      ID :    0.25 | Level :         | LOW                          |
| Prep Method :      |                                           |                 |                              |

|                   |           |                |               |
|-------------------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Date Analyzed  | Prep Batch ID |
| VN087438.D        | 1         | 07/30/25 09:57 | VN073025      |

| CAS Number                | Parameter             | Conc.  | Qualifier | MDL      | LOQ / CRQL | Units   |
|---------------------------|-----------------------|--------|-----------|----------|------------|---------|
| <b>TARGETS</b>            |                       |        |           |          |            |         |
| 71-43-2                   | Benzene               | 19.5   |           | 0.45     | 5.00       | ug/L    |
| 108-88-3                  | Toluene               | 19.1   |           | 0.46     | 5.00       | ug/L    |
| 100-41-4                  | Ethyl Benzene         | 19.0   |           | 0.56     | 5.00       | ug/L    |
| 179601-23-1               | m/p-Xylenes           | 37.5   |           | 1.30     | 10.0       | ug/L    |
| 95-47-6                   | o-Xylene              | 19.3   |           | 0.67     | 5.00       | ug/L    |
| <b>SURROGATES</b>         |                       |        |           |          |            |         |
| 17060-07-0                | 1,2-Dichloroethane-d4 | 31.1   |           | 91 - 110 | 104%       | SPK: 30 |
| 2037-26-5                 | Toluene-d8            | 30.1   |           | 91 - 112 | 100%       | SPK: 30 |
| 460-00-4                  | 4-Bromofluorobenzene  | 28.7   |           | 63 - 112 | 96%        | SPK: 30 |
| <b>INTERNAL STANDARDS</b> |                       |        |           |          |            |         |
| 74-97-5                   | Bromochloromethane    | 49100  | 7.8       |          |            |         |
| 540-36-3                  | 1,4-Difluorobenzene   | 271000 | 9.089     |          |            |         |
| 3114-55-4                 | Chlorobenzene-d5      | 246000 | 11.847    |          |            |         |

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN073025\  
 Data File : VN087438.D  
 Acq On : 30 Jul 2025 09:57  
 Operator : JC\MD  
 Sample : VN0730WBS01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0730WBS01

Manual Integrations  
 APPROVED

Reviewed By :John  
 Carlone

07/31/2025  
 Supervised By :Mahesh  
 Dadoda

Quant Time: Jul 31 01:12:00 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N072825W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Mon Jul 28 11:35:47 2025  
 Response via : Initial Calibration

| Compound                | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|--------|------|----------|--------|-------|----------|
| -----                   |        |      |          |        |       |          |
| Internal Standards      |        |      |          |        |       |          |
| 1) Bromochloromethane   | 7.800  | 128  | 49112    | 30.000 | ug/l  | 0.00     |
| 28) 1,4-Difluorobenzene | 9.089  | 114  | 271089   | 30.000 | ug/l  | 0.00     |
| 57) Chlorobenzene-d5    | 11.847 | 117  | 246291   | 30.000 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |       |          |          |            |      |
|---------------------------|--------|-------|----------|----------|------------|------|
| 27) 1,2-Dichloroethane-d4 | 8.559  | 65    | 116642   | 31.059   | ug/l       | 0.00 |
| Spiked Amount             | 30.000 | Range | 91 - 110 | Recovery | = 103.533% |      |
| 60) 4-Bromofluorobenzene  | 12.829 | 95    | 116180   | 28.726   | ug/l       | 0.00 |
| Spiked Amount             | 30.000 | Range | 63 - 112 | Recovery | = 95.767%  |      |
| 63) Toluene-d8            | 10.547 | 98    | 340245   | 30.082   | ug/l       | 0.00 |
| Spiked Amount             | 30.000 | Range | 91 - 112 | Recovery | = 100.267% |      |

## Target Compounds

|                              |       |     |         |         |        | Qvalue |
|------------------------------|-------|-----|---------|---------|--------|--------|
| 2) Dichlorodifluoromethane   | 2.142 | 85  | 55856   | 19.493  | ug/l   | 97     |
| 3) Chloromethane             | 2.383 | 50  | 59897   | 19.691  | ug/l   | 100    |
| 4) Vinyl Chloride            | 2.542 | 62  | 58308   | 18.946  | ug/l   | 99     |
| 5) Bromomethane              | 2.983 | 94  | 29324   | 19.539  | ug/l   | 92     |
| 6) Chloroethane              | 3.142 | 64  | 36492   | 21.023  | ug/l   | 97     |
| 7) Trichlorofluoromethane    | 3.512 | 101 | 79493   | 20.531  | ug/l   | 91     |
| 8) Diethyl Ether             | 3.959 | 74  | 36526   | 22.603  | ug/l   | 99     |
| 9) 1,1,2-Trichlorotrifluo... | 4.359 | 101 | 43110m  | 20.411  | ug/l   |        |
| 10) 1,1-Dichloroethene       | 4.342 | 96  | 43877   | 20.883  | ug/l   | 94     |
| 11) Methyl Iodide            | 4.577 | 142 | 28500   | 14.981  | ug/l   | 91     |
| 12) Methyl Acetate           | 5.012 | 43  | 99268   | 21.669  | ug/l   | 99     |
| 13) Acrolein                 | 4.171 | 56  | 50220   | 134.418 | ug/l   | 96     |
| 14) Acrylonitrile            | 5.706 | 53  | 200441  | 100.904 | ug/l   | 99     |
| 15) Acetone                  | 4.418 | 58  | 56201m  | 122.070 | ug/l   |        |
| 16) Carbon Disulfide         | 4.695 | 76  | 128474  | 17.206  | ug/l   | 99     |
| 17) Allyl chloride           | 5.018 | 41  | 90664   | 18.520  | ug/l   | 97     |
| 18) Methylene Chloride       | 5.259 | 84  | 59682   | 18.868  | ug/l   | 92     |
| 19) trans-1,2-Dichloroethene | 5.765 | 96  | 53359   | 17.877  | ug/l   | 98     |
| 20) Diisopropyl ether        | 6.665 | 45  | 221177  | 19.858  | ug/l   | 97     |
| 21) 1,1-Dichloroethane       | 6.559 | 63  | 110956  | 19.655  | ug/l   | 98     |
| 22) cis-1,2-Dichloroethene   | 7.471 | 96  | 67924   | 18.723  | ug/l   | 99     |
| 23) tert-Butyl Alcohol       | 5.530 | 59  | 80490   | 104.539 | ug/l   | 100    |
| 24) Methyl tert-Butyl Ether  | 5.783 | 73  | 205911  | 19.754  | ug/l   | 98     |
| 25) Chloroform               | 7.953 | 83  | 112293  | 19.703  | ug/l   | 93     |
| 26) Cyclohexane              | 8.242 | 56  | 90697   | 17.396  | ug/l # | 93     |
| 29) 1,1-Dichloropropene      | 8.353 | 75  | 71058   | 18.464  | ug/l   | 97     |
| 30) 2-Butanone               | 7.471 | 43  | 297647  | 106.752 | ug/l   | 99     |
| 31) 2,2-Dichloropropane      | 7.477 | 77  | 95585   | 19.933  | ug/l   | 97     |
| 32) 1,1,1-Trichloroethane    | 8.153 | 97  | 85774   | 18.543  | ug/l   | 98     |
| 33) Carbon Tetrachloride     | 8.347 | 117 | 69921   | 18.331  | ug/l   | 89     |
| 34) Benzene                  | 8.589 | 78  | 245758  | 19.525  | ug/l   | 98     |
| 35) Methacrylonitrile        | 7.771 | 41  | 64452   | 20.179  | ug/l   | 97     |
| 36) 1,2-Dichloroethane       | 8.653 | 62  | 83679   | 19.976  | ug/l # | 92     |
| 37) Trichloroethene          | 9.336 | 130 | 52219   | 18.175  | ug/l # | 79     |
| 38) Methylcyclohexane        | 9.583 | 83  | 87308   | 17.590  | ug/l   | 97     |
| 39) 1,2-Dichloropropane      | 9.600 | 63  | 61914   | 19.538  | ug/l   | 92     |
| 40) Dibromomethane           | 9.689 | 93  | 44055   | 19.598  | ug/l   | 98     |
| 41) Bromodichloromethane     | 9.871 | 83  | 90515   | 20.007  | ug/l   | 95     |
| 42) Vinyl Acetate            | 6.595 | 43  | 1045165 | 111.388 | ug/l   | 96     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN073025\  
 Data File : VN087438.D  
 Acq On : 30 Jul 2025 09:57  
 Operator : JC\MD  
 Sample : VN0730WBS01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0730WBS01

Manual Integrations  
 APPROVED

Reviewed By :John  
 Carlone

07/31/2025  
 Supervised By :Mahesh  
 Dadoda

Quant Time: Jul 31 01:12:00 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N072825W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Mon Jul 28 11:35:47 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units | Dev(Min) |     |
|-------------------------------|--------|------|----------|---------|-------|----------|-----|
| 43) Ethyl Acetate             | 7.547  | 43   | 113032   | 19.775  | ug/l  | #        | 67  |
| 44) Isopropyl Acetate         | 8.671  | 43   | 196705   | 21.542  | ug/l  |          | 92  |
| 45) 1,4-Dioxane               | 9.683  | 88   | 25213    | 435.179 | ug/l  |          | 96  |
| 46) Methyl methacrylate       | 9.665  | 41   | 89192    | 20.978  | ug/l  |          | 95  |
| 47) n-amyl Acetate            | 12.530 | 43   | 68970m   | 18.321  | ug/l  |          |     |
| 48) t-1,3-Dichloropropene     | 10.818 | 75   | 102545   | 20.134  | ug/l  |          | 98  |
| 49) cis-1,3-Dichloropropene   | 10.294 | 75   | 103474   | 19.344  | ug/l  |          | 94  |
| 50) 1,1,2-Trichloroethane     | 11.000 | 97   | 61484    | 20.548  | ug/l  |          | 97  |
| 51) Ethyl methacrylate        | 10.859 | 69   | 106582   | 19.668  | ug/l  |          | 94  |
| 52) 1,3-Dichloropropane       | 11.147 | 76   | 106517   | 20.597  | ug/l  |          | 98  |
| 53) Dibromochloromethane      | 11.341 | 129  | 67198    | 19.579  | ug/l  |          | 97  |
| 54) 1,2-Dibromoethane         | 11.453 | 107  | 62459    | 19.838  | ug/l  |          | 97  |
| 55) 2-Chloroethyl vinyl ether | 10.141 | 63   | 307484   | 138.008 | ug/l  |          | 99  |
| 56) Bromoform                 | 12.559 | 173  | 45997    | 19.098  | ug/l  |          | 98  |
| 58) 4-Methyl-2-Pentanone      | 10.430 | 43   | 598355   | 107.858 | ug/l  |          | 98  |
| 59) 2-Hexanone                | 11.183 | 43   | 396291   | 103.079 | ug/l  |          | 98  |
| 61) Tetrachloroethene         | 11.083 | 164  | 42271    | 18.077  | ug/l  |          | 94  |
| 62) Toluene                   | 10.612 | 91   | 265234   | 19.082  | ug/l  |          | 100 |
| 64) Chlorobenzene             | 11.877 | 112  | 161138   | 18.851  | ug/l  |          | 96  |
| 65) 1,1,1,2-Tetrachloroethane | 11.941 | 131  | 57380    | 19.796  | ug/l  |          | 98  |
| 66) Ethyl Benzene             | 11.941 | 91   | 288027   | 18.966  | ug/l  |          | 100 |
| 67) m/p-Xylenes               | 12.053 | 106  | 213320   | 37.489  | ug/l  |          | 98  |
| 68) o-Xylene                  | 12.377 | 106  | 107584   | 19.321  | ug/l  |          | 97  |
| 69) Styrene                   | 12.394 | 104  | 182419   | 19.152  | ug/l  |          | 98  |
| 70) Isopropylbenzene          | 12.677 | 105  | 272570   | 19.061  | ug/l  |          | 98  |
| 71) 1,1,2,2-Tetrachloroethane | 12.918 | 83   | 96360    | 19.761  | ug/l  |          | 99  |
| 72) 1,2,3-Trichloropropane    | 12.977 | 75   | 82734m   | 18.653  | ug/l  |          |     |
| 73) Bromobenzene              | 12.959 | 156  | 65156    | 19.610  | ug/l  |          | 95  |
| 74) n-propylbenzene           | 13.018 | 91   | 340238   | 19.271  | ug/l  |          | 97  |
| 75) 2-Chlorotoluene           | 13.106 | 91   | 201268   | 19.208  | ug/l  |          | 100 |
| 76) 1,3,5-Trimethylbenzene    | 13.153 | 105  | 225695   | 19.051  | ug/l  |          | 97  |
| 77) t-1,4-Dichloro-2-butene   | 12.718 | 75   | 33368    | 17.729  | ug/l  |          | 94  |
| 78) 4-Chlorotoluene           | 13.200 | 91   | 205233   | 19.074  | ug/l  |          | 99  |
| 79) tert-butylbenzene         | 13.418 | 119  | 188402   | 18.409  | ug/l  |          | 98  |
| 80) 1,2,4-Trimethylbenzene    | 13.459 | 105  | 225466   | 19.180  | ug/l  |          | 98  |
| 81) sec-Butylbenzene          | 13.594 | 105  | 284356   | 18.705  | ug/l  |          | 99  |
| 82) p-Isopropyltoluene        | 13.712 | 119  | 235598   | 19.094  | ug/l  |          | 100 |
| 83) 1,3-Dichlorobenzene       | 13.712 | 146  | 121415   | 19.310  | ug/l  |          | 99  |
| 84) 1,4-Dichlorobenzene       | 13.788 | 146  | 122695   | 18.660  | ug/l  |          | 98  |
| 85) n-Butylbenzene            | 14.035 | 91   | 233841   | 18.818  | ug/l  |          | 98  |
| 86) Hexachloroethane          | 14.312 | 117  | 46491    | 18.552  | ug/l  |          | 94  |
| 87) 1,2-Dichlorobenzene       | 14.088 | 146  | 120173   | 19.660  | ug/l  |          | 97  |
| 88) 1,2-Dibromo-3-Chloropr... | 14.694 | 75   | 21882    | 19.442  | ug/l  |          | 94  |
| 89) 1,2,4-Trichlorobenzene    | 15.812 | 180  | 67898    | 18.212  | ug/l  |          | 97  |
| 90) Hexachlorobutadiene       | 15.476 | 225  | 23513    | 16.565  | ug/l  |          | 93  |
| 91) Naphthalene               | 15.618 | 128  | 268427   | 19.050  | ug/l  |          | 99  |
| 92) 1,2,3-Trichlorobenzene    | 15.812 | 180  | 67898    | 18.212  | ug/l  |          | 97  |

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN073025\  
Data File : VN087438.D  
Acq On : 30 Jul 2025 09:57  
Operator : JC\MD  
Sample : VN0730WBS01  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 3 Sample Multiplier: 1

**Instrument :**  
MSVOA\_N  
**ClientSampleId :**  
VN0730WBS01

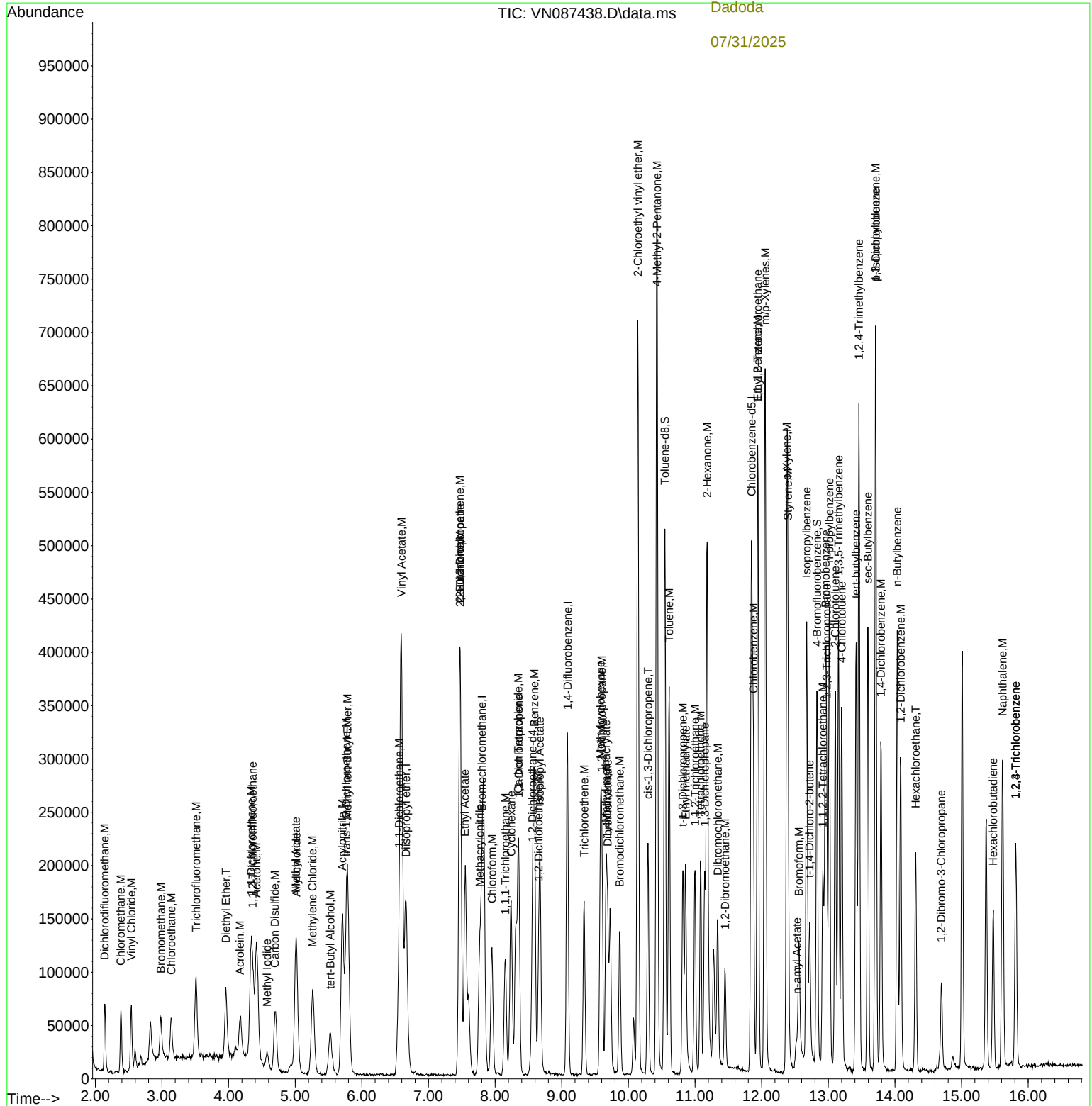
## Manual Integrations

Reviewed By :John  
Carlone

07/31/2025  
Supervised By :Mahesh  
Dadoda

07/31/2025

Quant Time: Jul 31 01:12:00 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N072825W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
Qlast Update : Mon Jul 28 11:35:47 2025  
Response via : Initial Calibration



## Report of Analysis

|                    |                          |        |      |                 |          |
|--------------------|--------------------------|--------|------|-----------------|----------|
| Client:            | Tully Environmental, Inc |        |      | Date Collected: |          |
| Project:           | Transfer Station-SPDES   |        |      | Date Received:  |          |
| Client Sample ID:  | VN0730WBSD01             |        |      | SDG No.:        | Q2729    |
| Lab Sample ID:     | VN0730WBSD01             |        |      | Matrix:         | Water    |
| Analytical Method: | E624.1                   |        |      | % Solid:        | 0        |
| Sample Wt/Vol:     | 5                        | Units: | mL   | Final Vol:      | 5000 uL  |
| Soil Aliquot Vol:  |                          |        | uL   | Test:           | VOC-BTEX |
| GC Column:         | RXI-624                  | ID :   | 0.25 | Level :         | LOW      |
| Prep Method :      |                          |        |      |                 |          |

|                   |           |                |               |
|-------------------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Date Analyzed  | Prep Batch ID |
| VN087439.D        | 1         | 07/30/25 10:47 | VN073025      |

| CAS Number                | Parameter             | Conc.  | Qualifier | MDL      | LOQ / CRQL | Units   |
|---------------------------|-----------------------|--------|-----------|----------|------------|---------|
| <b>TARGETS</b>            |                       |        |           |          |            |         |
| 71-43-2                   | Benzene               | 19.2   |           | 0.45     | 5.00       | ug/L    |
| 108-88-3                  | Toluene               | 19.1   |           | 0.46     | 5.00       | ug/L    |
| 100-41-4                  | Ethyl Benzene         | 19.2   |           | 0.56     | 5.00       | ug/L    |
| 179601-23-1               | m/p-Xylenes           | 38.0   |           | 1.30     | 10.0       | ug/L    |
| 95-47-6                   | o-Xylene              | 19.1   |           | 0.67     | 5.00       | ug/L    |
| <b>SURROGATES</b>         |                       |        |           |          |            |         |
| 17060-07-0                | 1,2-Dichloroethane-d4 | 32.5   |           | 91 - 110 | 108%       | SPK: 30 |
| 2037-26-5                 | Toluene-d8            | 30.1   |           | 91 - 112 | 100%       | SPK: 30 |
| 460-00-4                  | 4-Bromofluorobenzene  | 28.9   |           | 63 - 112 | 96%        | SPK: 30 |
| <b>INTERNAL STANDARDS</b> |                       |        |           |          |            |         |
| 74-97-5                   | Bromochloromethane    | 48200  | 7.8       |          |            |         |
| 540-36-3                  | 1,4-Difluorobenzene   | 266000 | 9.083     |          |            |         |
| 3114-55-4                 | Chlorobenzene-d5      | 240000 | 11.847    |          |            |         |

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN073025\  
 Data File : VN087439.D  
 Acq On : 30 Jul 2025 10:47  
 Operator : JC\MD  
 Sample : VN0730WBSD01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0730WBSD01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 07/31/2025  
 Supervised By : Mahesh Dadoda 07/31/2025

Quant Time: Jul 31 01:13:07 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N072825W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Mon Jul 28 11:35:47 2025  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Bromochloromethane        | 7.800          | 128  | 48201               | 30.000  | ug/l   | 0.00     |
| 28) 1,4-Difluorobenzene      | 9.083          | 114  | 265850              | 30.000  | ug/l   | 0.00     |
| 57) Chlorobenzene-d5         | 11.847         | 117  | 239728              | 30.000  | ug/l   | 0.00     |
|                              |                |      |                     |         |        |          |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 27) 1,2-Dichloroethane-d4    | 8.565          | 65   | 119611              | 32.451  | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 91 - 110 |      | Recovery = 108.167% |         |        |          |
| 60) 4-Bromofluorobenzene     | 12.829         | 95   | 113912              | 28.936  | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 63 - 112 |      | Recovery = 96.467%  |         |        |          |
| 63) Toluene-d8               | 10.547         | 98   | 331544              | 30.115  | ug/l   | 0.00     |
| Spiked Amount 30.000         | Range 91 - 112 |      | Recovery = 100.367% |         |        |          |
|                              |                |      |                     |         |        |          |
| Target Compounds             |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 2.142          | 85   | 54556               | 19.399  | ug/l   | 99       |
| 3) Chloromethane             | 2.383          | 50   | 56288               | 18.855  | ug/l   | 90       |
| 4) Vinyl Chloride            | 2.542          | 62   | 57430               | 19.014  | ug/l   | 100      |
| 5) Bromomethane              | 2.983          | 94   | 28318               | 19.226  | ug/l   | 100      |
| 6) Chloroethane              | 3.142          | 64   | 35938               | 21.095  | ug/l   | 97       |
| 7) Trichlorofluoromethane    | 3.506          | 101  | 80407               | 21.159  | ug/l   | 92       |
| 8) Diethyl Ether             | 3.959          | 74   | 34801               | 21.943  | ug/l   | 90       |
| 9) 1,1,2-Trichlorotrifluo... | 4.359          | 101  | 44906               | 21.663  | ug/l # | 36       |
| 10) 1,1-Dichloroethene       | 4.330          | 96   | 41117               | 19.940  | ug/l   | 96       |
| 11) Methyl Iodide            | 4.577          | 142  | 27797               | 14.887  | ug/l   | 97       |
| 12) Methyl Acetate           | 5.024          | 43   | 99626               | 22.158  | ug/l   | 93       |
| 13) Acrolein                 | 4.177          | 56   | 49089               | 133.874 | ug/l   | 98       |
| 14) Acrylonitrile            | 5.712          | 53   | 207625              | 106.496 | ug/l   | 98       |
| 15) Acetone                  | 4.430          | 58   | 48503               | 107.341 | ug/l   | 96       |
| 16) Carbon Disulfide         | 4.695          | 76   | 125803              | 17.167  | ug/l   | 96       |
| 17) Allyl chloride           | 5.006          | 41   | 94127m              | 19.591  | ug/l   |          |
| 18) Methylene Chloride       | 5.271          | 84   | 60592m              | 19.518  | ug/l   |          |
| 19) trans-1,2-Dichloroethene | 5.771          | 96   | 50839               | 17.354  | ug/l   | 88       |
| 20) Diisopropyl ether        | 6.659          | 45   | 223575              | 20.452  | ug/l   | 95       |
| 21) 1,1-Dichloroethane       | 6.553          | 63   | 107485              | 19.400  | ug/l   | 96       |
| 22) cis-1,2-Dichloroethene   | 7.465          | 96   | 66337               | 18.631  | ug/l # | 3        |
| 23) tert-Butyl Alcohol       | 5.518          | 59   | 80034               | 105.911 | ug/l # | 100      |
| 24) Methyl tert-Butyl Ether  | 5.789          | 73   | 209127              | 20.441  | ug/l   | 97       |
| 25) Chloroform               | 7.947          | 83   | 109449              | 19.567  | ug/l   | 93       |
| 26) Cyclohexane              | 8.241          | 56   | 93837               | 18.338  | ug/l # | 97       |
| 29) 1,1-Dichloropropene      | 8.353          | 75   | 71426               | 18.926  | ug/l   | 98       |
| 30) 2-Butanone               | 7.471          | 43   | 300514              | 109.905 | ug/l   | 97       |
| 31) 2,2-Dichloropropane      | 7.477          | 77   | 89630               | 19.060  | ug/l # | 79       |
| 32) 1,1,1-Trichloroethane    | 8.153          | 97   | 87514               | 19.292  | ug/l   | 96       |
| 33) Carbon Tetrachloride     | 8.347          | 117  | 71850               | 19.208  | ug/l   | 97       |
| 34) Benzene                  | 8.588          | 78   | 237583              | 19.247  | ug/l   | 96       |
| 35) Methacrylonitrile        | 7.765          | 41   | 65689               | 20.972  | ug/l   | 95       |
| 36) 1,2-Dichloroethane       | 8.659          | 62   | 86151               | 20.972  | ug/l # | 93       |
| 37) Trichloroethene          | 9.335          | 130  | 49690               | 17.635  | ug/l   | 85       |
| 38) Methylcyclohexane        | 9.583          | 83   | 90243               | 18.540  | ug/l   | 98       |
| 39) 1,2-Dichloropropane      | 9.606          | 63   | 63283               | 20.364  | ug/l   | 100      |
| 40) Dibromomethane           | 9.694          | 93   | 45414               | 20.601  | ug/l   | 95       |
| 41) Bromodichloromethane     | 9.871          | 83   | 88915               | 20.041  | ug/l # | 92       |
| 42) Vinyl Acetate            | 6.595          | 43   | 969689              | 105.380 | ug/l   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN073025\  
 Data File : VN087439.D  
 Acq On : 30 Jul 2025 10:47  
 Operator : JC\MD  
 Sample : VN0730WBSD01  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 VN0730WBSD01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 07/31/2025  
 Supervised By : Mahesh Dadoda 07/31/2025

Quant Time: Jul 31 01:13:07 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N072825W.M  
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
 QLast Update : Mon Jul 28 11:35:47 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 43) Ethyl Acetate             | 7.547  | 43   | 117895   | 21.033  | ug/l # | 67       |
| 44) Isopropyl Acetate         | 8.677  | 43   | 198430   | 22.159  | ug/l   | 95       |
| 45) 1,4-Dioxane               | 9.688  | 88   | 25593    | 450.443 | ug/l # | 83       |
| 46) Methyl methacrylate       | 9.665  | 41   | 79140    | 18.980  | ug/l   | 95       |
| 47) n-amyl Acetate            | 12.524 | 43   | 66897m   | 18.120  | ug/l   |          |
| 48) t-1,3-Dichloropropene     | 10.818 | 75   | 101964   | 20.414  | ug/l   | 100      |
| 49) cis-1,3-Dichloropropene   | 10.294 | 75   | 103323   | 19.697  | ug/l   | 99       |
| 50) 1,1,2-Trichloroethane     | 11.000 | 97   | 58673    | 19.995  | ug/l   | 97       |
| 51) Ethyl methacrylate        | 10.859 | 69   | 105129   | 19.783  | ug/l   | 90       |
| 52) 1,3-Dichloropropane       | 11.147 | 76   | 101932   | 20.099  | ug/l   | 99       |
| 53) Dibromochloromethane      | 11.341 | 129  | 65765    | 19.539  | ug/l   | 99       |
| 54) 1,2-Dibromoethane         | 11.447 | 107  | 61989    | 20.077  | ug/l   | 99       |
| 55) 2-Chloroethyl vinyl ether | 10.141 | 63   | 311559   | 142.593 | ug/l   | 98       |
| 56) Bromoform                 | 12.559 | 173  | 44202    | 18.714  | ug/l   | 96       |
| 58) 4-Methyl-2-Pentanone      | 10.430 | 43   | 609969   | 112.962 | ug/l   | 97       |
| 59) 2-Hexanone                | 11.182 | 43   | 397306   | 106.172 | ug/l   | 97       |
| 61) Tetrachloroethene         | 11.082 | 164  | 42182    | 18.533  | ug/l   | 89       |
| 62) Toluene                   | 10.612 | 91   | 258316   | 19.093  | ug/l   | 97       |
| 64) Chlorobenzene             | 11.871 | 112  | 157644   | 18.947  | ug/l   | 99       |
| 65) 1,1,1,2-Tetrachloroethane | 11.941 | 131  | 54986    | 19.490  | ug/l   | 98       |
| 66) Ethyl Benzene             | 11.941 | 91   | 283554   | 19.183  | ug/l   | 99       |
| 67) m/p-Xylenes               | 12.053 | 106  | 210331   | 37.976  | ug/l   | 99       |
| 68) o-Xylene                  | 12.376 | 106  | 103426   | 19.082  | ug/l   | 98       |
| 69) Styrene                   | 12.394 | 104  | 173392   | 18.703  | ug/l   | 99       |
| 70) Isopropylbenzene          | 12.676 | 105  | 265686   | 19.088  | ug/l   | 100      |
| 71) 1,1,2,2-Tetrachloroethane | 12.918 | 83   | 97486    | 20.540  | ug/l   | 97       |
| 72) 1,2,3-Trichloropropane    | 12.971 | 75   | 93198m   | 21.587  | ug/l   |          |
| 73) Bromobenzene              | 12.959 | 156  | 61113    | 18.897  | ug/l   | 97       |
| 74) n-propylbenzene           | 13.018 | 91   | 336624   | 19.588  | ug/l   | 96       |
| 75) 2-Chlorotoluene           | 13.106 | 91   | 189903   | 18.620  | ug/l   | 99       |
| 76) 1,3,5-Trimethylbenzene    | 13.153 | 105  | 219347   | 19.022  | ug/l   | 98       |
| 77) t-1,4-Dichloro-2-butene   | 12.724 | 75   | 31385    | 17.132  | ug/l   | 92       |
| 78) 4-Chlorotoluene           | 13.200 | 91   | 194032   | 18.527  | ug/l   | 97       |
| 79) tert-butylbenzene         | 13.418 | 119  | 190112   | 19.085  | ug/l   | 97       |
| 80) 1,2,4-Trimethylbenzene    | 13.459 | 105  | 221310   | 19.342  | ug/l   | 99       |
| 81) sec-Butylbenzene          | 13.594 | 105  | 287671   | 19.441  | ug/l   | 99       |
| 82) p-Isopropyltoluene        | 13.712 | 119  | 233397   | 19.434  | ug/l   | 98       |
| 83) 1,3-Dichlorobenzene       | 13.712 | 146  | 117824   | 19.252  | ug/l   | 98       |
| 84) 1,4-Dichlorobenzene       | 13.794 | 146  | 117945   | 18.429  | ug/l   | 98       |
| 85) n-Butylbenzene            | 14.035 | 91   | 234688   | 19.403  | ug/l   | 99       |
| 86) Hexachloroethane          | 14.306 | 117  | 43566    | 17.861  | ug/l   | 95       |
| 87) 1,2-Dichlorobenzene       | 14.088 | 146  | 112943   | 18.983  | ug/l   | 97       |
| 88) 1,2-Dibromo-3-Chloropr... | 14.700 | 75   | 20917    | 19.094  | ug/l   | 97       |
| 89) 1,2,4-Trichlorobenzene    | 15.812 | 180  | 66316    | 18.275  | ug/l   | 98       |
| 90) Hexachlorobutadiene       | 15.470 | 225  | 25652    | 18.567  | ug/l   | 96       |
| 91) Naphthalene               | 15.617 | 128  | 262503   | 19.140  | ug/l   | 99       |
| 92) 1,2,3-Trichlorobenzene    | 15.812 | 180  | 66316    | 18.275  | ug/l   | 98       |

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

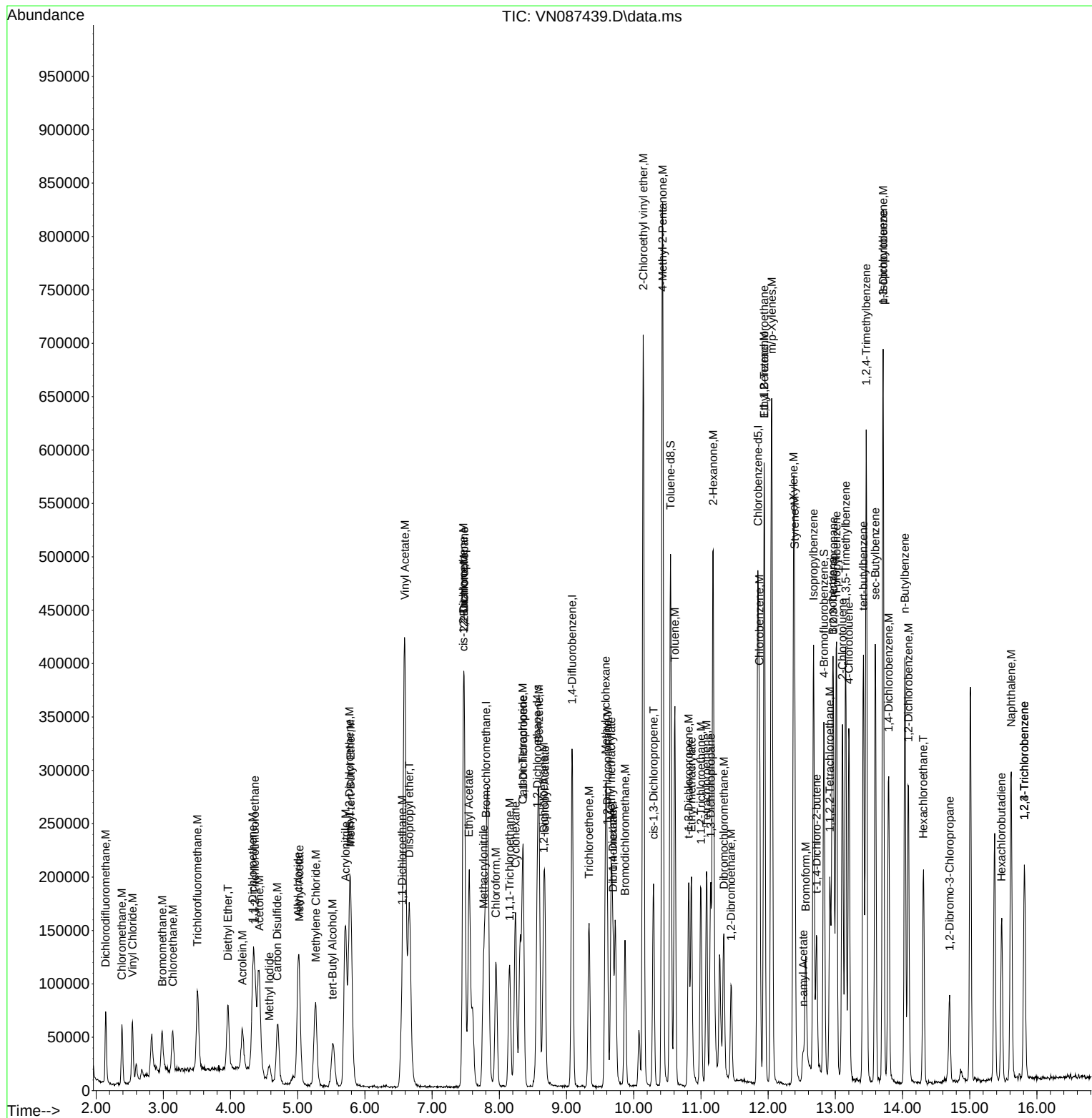
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN073025\  
Data File : VN087439.D  
Acq On : 30 Jul 2025 10:47  
Operator : JC\MD  
Sample : VN0730WBSD01  
Misc : 5.0mL/MSVOA\_N/WATER  
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**  
MSVOA\_N  
**ClientSampleId :**  
VN0730WBSD01

## Manual Integrations APPROVED

Reviewed By :John Carlone 07/31/2025  
Supervised By :Mahesh Dadoda 07/31/2025

Quant Time: Jul 31 01:13:07 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\624N072825W.M  
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS  
QLast Update : Mon Jul 28 11:35:47 2025  
Response via : Initial Calibration



## Manual Integration Report

|           |          |            |         |
|-----------|----------|------------|---------|
| Sequence: | VN072825 | Instrument | MSVOA_n |
|-----------|----------|------------|---------|

| Sample ID   | File ID    | Parameter                | Review By | Review On            | Supervised By | Supervised On         | Reason                      |
|-------------|------------|--------------------------|-----------|----------------------|---------------|-----------------------|-----------------------------|
| VSTDICC005  | VN087419.D | 1,2,3-Trichloropropane   | JOHN      | 7/28/2025 2:56:18 PM | MMDadoda      | 7/29/2025 12:09:33 PM | Peak Integrated by Software |
| VSTDICC005  | VN087419.D | Acrolein                 | JOHN      | 7/28/2025 2:56:18 PM | MMDadoda      | 7/29/2025 12:09:33 PM | Peak Integrated by Software |
| VSTDICC005  | VN087419.D | Methylene Chloride       | JOHN      | 7/28/2025 2:56:18 PM | MMDadoda      | 7/29/2025 12:09:33 PM | Peak Integrated by Software |
| VSTDICC005  | VN087419.D | tert-Butyl Alcohol       | JOHN      | 7/28/2025 2:56:18 PM | MMDadoda      | 7/29/2025 12:09:33 PM | Peak Integrated by Software |
| VSTDICC005  | VN087419.D | trans-1,2-Dichloroethene | JOHN      | 7/28/2025 2:56:18 PM | MMDadoda      | 7/29/2025 12:09:33 PM | Peak Integrated by Software |
| VSTDICCC020 | VN087420.D | 1,2,3-Trichloropropane   | JOHN      | 7/28/2025 2:56:23 PM | MMDadoda      | 7/29/2025 12:09:34 PM | Peak Integrated by Software |
| VSTDICCC020 | VN087420.D | 1,2-Dichloroethane       | JOHN      | 7/28/2025 2:56:23 PM | MMDadoda      | 7/29/2025 12:09:34 PM | Peak Integrated by Software |
| VSTDICCC020 | VN087420.D | Chloroethane             | JOHN      | 7/28/2025 2:56:23 PM | MMDadoda      | 7/29/2025 12:09:34 PM | Peak Integrated by Software |
| VSTDICCC020 | VN087420.D | Ethyl Acetate            | JOHN      | 7/28/2025 2:56:23 PM | MMDadoda      | 7/29/2025 12:09:34 PM | Peak Integrated by Software |
| VSTDICCC020 | VN087420.D | Methylene Chloride       | JOHN      | 7/28/2025 2:56:23 PM | MMDadoda      | 7/29/2025 12:09:34 PM | Peak Integrated by Software |
| VSTDICCC050 | VN087421.D | 1,2,3-Trichloropropane   | JOHN      | 7/28/2025 3:03:00 PM | MMDadoda      | 7/29/2025 12:09:36 PM | Peak Integrated by Software |
| VSTDICCC050 | VN087421.D | Chloroethane             | JOHN      | 7/28/2025 3:03:00 PM | MMDadoda      | 7/29/2025 12:09:36 PM | Peak Integrated by Software |
| VSTDICCC050 | VN087421.D | Ethyl Acetate            | JOHN      | 7/28/2025 3:03:00 PM | MMDadoda      | 7/29/2025 12:09:36 PM | Peak Integrated by Software |

## Manual Integration Report

Sequence:

VN072825

Instrument

MSVOA\_n

| Sample ID  | File ID    | Parameter              | Review By | Review On            | Supervised By | Supervised On         | Reason                      |
|------------|------------|------------------------|-----------|----------------------|---------------|-----------------------|-----------------------------|
| VSTDICC100 | VN087422.D | 1,2,3-Trichloropropane | JOHN      | 7/28/2025 3:03:04 PM | MMDadoda      | 7/29/2025 12:09:38 PM | Peak Integrated by Software |
| VSTDICC150 | VN087423.D | 1,2,3-Trichloropropane | JOHN      | 7/28/2025 3:03:11 PM | MMDadoda      | 7/29/2025 12:09:40 PM | Peak Integrated by Software |
| VSTDICC150 | VN087423.D | Ethyl Acetate          | JOHN      | 7/28/2025 3:03:11 PM | MMDadoda      | 7/29/2025 12:09:40 PM | Peak Integrated by Software |
| VSTDICV020 | VN087425.D | 1,2,3-Trichloropropane | JOHN      | 7/28/2025 3:03:15 PM | MMDadoda      | 7/29/2025 12:09:42 PM | Peak Integrated by Software |
| VSTDICV020 | VN087425.D | Methyl Iodide          | JOHN      | 7/28/2025 3:03:15 PM | MMDadoda      | 7/29/2025 12:09:42 PM | Peak Integrated by Software |
| VSTDICV020 | VN087425.D | n-amyl Acetate         | JOHN      | 7/28/2025 3:03:15 PM | MMDadoda      | 7/29/2025 12:09:42 PM | Peak Integrated by Software |
| VSTDCCC020 | VN087435.D | 1,2,3-Trichloropropane | JOHN      | 7/29/2025 8:36:36 AM | MMDadoda      | 7/29/2025 12:09:55 PM | Peak Integrated by Software |
| VSTDCCC020 | VN087435.D | n-amyl Acetate         | JOHN      | 7/29/2025 8:36:36 AM | MMDadoda      | 7/29/2025 12:09:55 PM | Peak Integrated by Software |

## Manual Integration Report

|           |          |            |         |
|-----------|----------|------------|---------|
| Sequence: | VN073025 | Instrument | MSVOA_n |
|-----------|----------|------------|---------|

| Sample ID    | File ID    | Parameter                      | Review By | Review On            | Supervised By | Supervised On        | Reason                      |
|--------------|------------|--------------------------------|-----------|----------------------|---------------|----------------------|-----------------------------|
| VSTDCCC020   | VN087437.D | 1,1,2-Trichlorotrifluoroethane | JOHN      | 7/31/2025 8:39:17 AM | MMDadoda      | 7/31/2025 2:08:41 PM | Peak Integrated by Software |
| VSTDCCC020   | VN087437.D | 1,2,3-Trichloropropane         | JOHN      | 7/31/2025 8:39:17 AM | MMDadoda      | 7/31/2025 2:08:41 PM | Peak Integrated by Software |
| VSTDCCC020   | VN087437.D | Ethyl Acetate                  | JOHN      | 7/31/2025 8:39:17 AM | MMDadoda      | 7/31/2025 2:08:41 PM | Peak Integrated by Software |
| VSTDCCC020   | VN087437.D | n-amyl Acetate                 | JOHN      | 7/31/2025 8:39:17 AM | MMDadoda      | 7/31/2025 2:08:41 PM | Peak Integrated by Software |
| VN0730WBS01  | VN087438.D | 1,1,2-Trichlorotrifluoroethane | JOHN      | 7/31/2025 8:39:24 AM | MMDadoda      | 7/31/2025 2:08:42 PM | Peak Integrated by Software |
| VN0730WBS01  | VN087438.D | 1,2,3-Trichloropropane         | JOHN      | 7/31/2025 8:39:24 AM | MMDadoda      | 7/31/2025 2:08:42 PM | Peak Integrated by Software |
| VN0730WBS01  | VN087438.D | Acetone                        | JOHN      | 7/31/2025 8:39:24 AM | MMDadoda      | 7/31/2025 2:08:42 PM | Peak Integrated by Software |
| VN0730WBS01  | VN087438.D | n-amyl Acetate                 | JOHN      | 7/31/2025 8:39:24 AM | MMDadoda      | 7/31/2025 2:08:42 PM | Peak Integrated by Software |
| VN0730WBSD01 | VN087439.D | 1,2,3-Trichloropropane         | JOHN      | 7/31/2025 8:39:28 AM | MMDadoda      | 7/31/2025 2:08:43 PM | Peak Integrated by Software |
| VN0730WBSD01 | VN087439.D | Allyl chloride                 | JOHN      | 7/31/2025 8:39:28 AM | MMDadoda      | 7/31/2025 2:08:43 PM | Peak Integrated by Software |
| VN0730WBSD01 | VN087439.D | Methylene Chloride             | JOHN      | 7/31/2025 8:39:28 AM | MMDadoda      | 7/31/2025 2:08:43 PM | Peak Integrated by Software |
| VN0730WBSD01 | VN087439.D | n-amyl Acetate                 | JOHN      | 7/31/2025 8:39:28 AM | MMDadoda      | 7/31/2025 2:08:43 PM | Peak Integrated by Software |
| Q2729-01     | VN087441.D | 4-Methyl-2-Pentanone           | JOHN      | 7/31/2025 8:39:33 AM | MMDadoda      | 7/31/2025 2:08:45 PM | Peak Integrated by Software |



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

## Manual Integration Report

|           |          |            |         |
|-----------|----------|------------|---------|
| Sequence: | VN073025 | Instrument | MSVOA_n |
|-----------|----------|------------|---------|

| Sample ID | File ID    | Parameter            | Review By | Review On            | Supervised By | Supervised On        | Reason                      |
|-----------|------------|----------------------|-----------|----------------------|---------------|----------------------|-----------------------------|
| Q2729-01  | VN087441.D | Acetone              | JOHN      | 7/31/2025 8:39:33 AM | MMDadoda      | 7/31/2025 2:08:45 PM | Peak Integrated by Software |
| Q2729-02  | VN087442.D | 4-Methyl-2-Pentanone | JOHN      | 7/31/2025 8:39:38 AM | MMDadoda      | 7/31/2025 2:08:47 PM | Peak Integrated by Software |

Instrument ID: **MSVOA\_N**

**Daily Analysis Runlog For Sequence/QC Batch ID # VN072825**

|                          |                                              |                   |                                    |
|--------------------------|----------------------------------------------|-------------------|------------------------------------|
| Review By                | John Carlone                                 | Review On         | 7/29/2025 8:39:05 AM               |
| Supervise By             | Mahesh Dadoda                                | Supervise On      | 7/29/2025 12:10:18 PM              |
| SubDirectory             | VN072825                                     | HP Acquire Method | HP Processing Method 624N072825W.M |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                             |                   |                                    |
| Tune/Reschk              | VP134925                                     |                   |                                    |
| Initial Calibration Stds | VP134927,VP134928,VP134929,VP134930,VP134931 |                   |                                    |
| CCC                      | VP134926                                     |                   |                                    |
| Internal Standard/PEM    |                                              |                   |                                    |
| ICV/I.BLK                | VP134932                                     |                   |                                    |
| Surrogate Standard       |                                              |                   |                                    |
| MS/MSD Standard          |                                              |                   |                                    |
| LCS Standard             |                                              |                   |                                    |

| Sr# | SampleId     | Data File Name | Date-Time         | Operator | Status   |
|-----|--------------|----------------|-------------------|----------|----------|
| 1   | BFB          | VN087418.D     | 28 Jul 2025 08:31 | JC\MD    | Ok       |
| 2   | VSTDIC005    | VN087419.D     | 28 Jul 2025 09:06 | JC\MD    | Ok,M     |
| 3   | VSTDIC0020   | VN087420.D     | 28 Jul 2025 10:06 | JC\MD    | Ok,M     |
| 4   | VSTDIC050    | VN087421.D     | 28 Jul 2025 10:27 | JC\MD    | Ok,M     |
| 5   | VSTDIC100    | VN087422.D     | 28 Jul 2025 10:48 | JC\MD    | Ok,M     |
| 6   | VSTDIC150    | VN087423.D     | 28 Jul 2025 11:09 | JC\MD    | Ok,M     |
| 7   | IBLK         | VN087424.D     | 28 Jul 2025 11:31 | JC\MD    | Ok       |
| 8   | VSTDICV020   | VN087425.D     | 28 Jul 2025 11:54 | JC\MD    | Ok,M     |
| 9   | VN0728WBS01  | VN087426.D     | 28 Jul 2025 12:27 | JC\MD    | Ok,M     |
| 10  | VN0728WBSD01 | VN087427.D     | 28 Jul 2025 13:01 | JC\MD    | Ok,M     |
| 11  | VN0728WBL01  | VN087428.D     | 28 Jul 2025 13:22 | JC\MD    | Ok       |
| 12  | Q2699-01     | VN087429.D     | 28 Jul 2025 13:56 | JC\MD    | Dilution |
| 13  | Q2699-02     | VN087430.D     | 28 Jul 2025 14:17 | JC\MD    | Ok,M     |
| 14  | Q2699-01DL   | VN087431.D     | 28 Jul 2025 14:53 | JC\MD    | Ok       |
| 15  | IBLK         | VN087432.D     | 28 Jul 2025 15:14 | JC\MD    | Ok       |
| 16  | Q2683-07     | VN087433.D     | 28 Jul 2025 15:36 | JC\MD    | Ok,M     |
| 17  | Q2683-03     | VN087434.D     | 28 Jul 2025 15:58 | JC\MD    | Ok,M     |
| 18  | VSTDIC0020   | VN087435.D     | 28 Jul 2025 16:34 | JC\MD    | Ok,M     |

M : Manual Integration

Instrument ID: **MSVOA\_N**

**Daily Analysis Runlog For Sequence/QC Batch ID # VN073025**

|                                                                                                    |                   |                   |                                    |
|----------------------------------------------------------------------------------------------------|-------------------|-------------------|------------------------------------|
| Review By                                                                                          | John Carlone      | Review On         | 7/31/2025 8:40:59 AM               |
| Supervise By                                                                                       | Maresh Dadoda     | Supervise On      | 7/31/2025 2:08:56 PM               |
| SubDirectory                                                                                       | VN073025          | HP Acquire Method | HP Processing Method 624N072825W.M |
| <b>STD. NAME</b>                                                                                   | <b>STD REF.#</b>  |                   |                                    |
| Tune/Reschk<br>Initial Calibration Stds                                                            | VP134946          |                   |                                    |
| CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | VP134947,VP134948 |                   |                                    |

| Sr# | SampleId     | Data File Name | Date-Time         | Operator | Status   |
|-----|--------------|----------------|-------------------|----------|----------|
| 1   | BFB          | VN087436.D     | 30 Jul 2025 08:46 | JC\MD    | Ok       |
| 2   | VSTDCCC020   | VN087437.D     | 30 Jul 2025 09:19 | JC\MD    | Ok,M     |
| 3   | VN0730WBS01  | VN087438.D     | 30 Jul 2025 09:57 | JC\MD    | Ok,M     |
| 4   | VN0730WBSD01 | VN087439.D     | 30 Jul 2025 10:47 | JC\MD    | Ok,M     |
| 5   | VN0730WBL01  | VN087440.D     | 30 Jul 2025 11:20 | JC\MD    | Ok       |
| 6   | Q2729-01     | VN087441.D     | 30 Jul 2025 13:45 | JC\MD    | Ok,M     |
| 7   | Q2729-02     | VN087442.D     | 30 Jul 2025 14:06 | JC\MD    | Ok,M     |
| 8   | Q2730-01     | VN087443.D     | 30 Jul 2025 14:27 | JC\MD    | Dilution |
| 9   | Q2730-02     | VN087444.D     | 30 Jul 2025 14:49 | JC\MD    | Dilution |
| 10  | Q2730-01DL   | VN087445.D     | 30 Jul 2025 15:12 | JC\MD    | Ok,M     |
| 11  | Q2730-02DL   | VN087446.D     | 30 Jul 2025 15:34 | JC\MD    | Ok,M     |

M : Manual Integration

Instrument ID: MSVOA\_N

**Daily Analysis Runlog For Sequence/QC Batch ID # VN072825**

|              |               |                   |                                    |
|--------------|---------------|-------------------|------------------------------------|
| Review By    | John Carlone  | Review On         | 7/29/2025 8:39:05 AM               |
| Supervise By | Maresh Dadoda | Supervise On      | 7/29/2025 12:10:18 PM              |
| SubDirectory | VN072825      | HP Acquire Method | HP Processing Method 624N072825W.M |

| STD. NAME                | STD REF.#                                    |
|--------------------------|----------------------------------------------|
| Tune/Reschk              | VP134925                                     |
| Initial Calibration Stds | VP134927,VP134928,VP134929,VP134930,VP134931 |
| CCC                      | VP134926                                     |
| Internal Standard/PEM    |                                              |
| ICV/I.BLK                | VP134932                                     |
| Surrogate Standard       |                                              |
| MS/MSD Standard          |                                              |
| LCS Standard             |                                              |

| Sr# | SampleID     | ClientID            | Data File Name | Date-Time         | Comment             | Operator | Status   |
|-----|--------------|---------------------|----------------|-------------------|---------------------|----------|----------|
| 1   | BFB          | BFB                 | VN087418.D     | 28 Jul 2025 08:31 |                     | JC\MD    | Ok       |
| 2   | VSTDIC005    | VSTDIC005           | VN087419.D     | 28 Jul 2025 09:06 | pH#Lot#V12668       | JC\MD    | Ok,M     |
| 3   | VSTDIC020    | VSTDIC020           | VN087420.D     | 28 Jul 2025 10:06 |                     | JC\MD    | Ok,M     |
| 4   | VSTDIC050    | VSTDIC050           | VN087421.D     | 28 Jul 2025 10:27 |                     | JC\MD    | Ok,M     |
| 5   | VSTDIC100    | VSTDIC100           | VN087422.D     | 28 Jul 2025 10:48 |                     | JC\MD    | Ok,M     |
| 6   | VSTDIC150    | VSTDIC150           | VN087423.D     | 28 Jul 2025 11:09 |                     | JC\MD    | Ok,M     |
| 7   | IBLK         | IBLK                | VN087424.D     | 28 Jul 2025 11:31 |                     | JC\MD    | Ok       |
| 8   | VSTDICV020   | ICVVN072825         | VN087425.D     | 28 Jul 2025 11:54 |                     | JC\MD    | Ok,M     |
| 9   | VN0728WBS01  | VN0728WBS01         | VN087426.D     | 28 Jul 2025 12:27 |                     | JC\MD    | Ok,M     |
| 10  | VN0728WBSD01 | VN0728WBSD01        | VN087427.D     | 28 Jul 2025 13:01 |                     | JC\MD    | Ok,M     |
| 11  | VN0728WBL01  | VN0728WBL01         | VN087428.D     | 28 Jul 2025 13:22 |                     | JC\MD    | Ok       |
| 12  | Q2699-01     | 001-WILLETS-PT-BLVD | VN087429.D     | 28 Jul 2025 13:56 | vial A pH<2 Need 4X | JC\MD    | Dilution |
| 13  | Q2699-02     | 002-35TH-AVE(JUNE)  | VN087430.D     | 28 Jul 2025 14:17 | vial A pH<2         | JC\MD    | Ok,M     |
| 14  | Q2699-01DL   | 001-WILLETS-PT-BLVD | VN087431.D     | 28 Jul 2025 14:53 | vial B pH<2         | JC\MD    | Ok       |
| 15  | IBLK         | IBLK                | VN087432.D     | 28 Jul 2025 15:14 |                     | JC\MD    | Ok       |
| 16  | Q2683-07     | DSN003              | VN087433.D     | 28 Jul 2025 15:36 | vial B pH#6.0       | JC\MD    | Ok,M     |
| 17  | Q2683-03     | DSN001              | VN087434.D     | 28 Jul 2025 15:58 | vial B pH#6.0       | JC\MD    | Ok,M     |
| 18  | VSTDCCC020   | VSTDCCC020EC        | VN087435.D     | 28 Jul 2025 16:34 |                     | JC\MD    | Ok,M     |

**Instrument ID:** MSVOA\_N

**Daily Analysis Runlog For Sequence/QC Batch ID # VN072825**

| Review By                | John Carlone                                 | Review On         | 7/29/2025 8:39:05 AM  |               |
|--------------------------|----------------------------------------------|-------------------|-----------------------|---------------|
| Supervise By             | Mahesh Dadoda                                | Supervise On      | 7/29/2025 12:10:18 PM |               |
| SubDirectory             | VN072825                                     | HP Acquire Method | HP Processing Method  | 624N072825W.M |
| STD. NAME                | STD REF.#                                    |                   |                       |               |
| Tune/Reschk              | VP134925                                     |                   |                       |               |
| Initial Calibration Stds | VP134927,VP134928,VP134929,VP134930,VP134931 |                   |                       |               |
| CCC                      | VP134926                                     |                   |                       |               |
| Internal Standard/PEM    |                                              |                   |                       |               |
| ICV/I.BLK                | VP134932                                     |                   |                       |               |
| Surrogate Standard       |                                              |                   |                       |               |
| MS/MSD Standard          |                                              |                   |                       |               |
| LCS Standard             |                                              |                   |                       |               |

M : Manual Integration

Instrument ID: MSVOA\_N

**Daily Analysis Runlog For Sequence/QC Batch ID # VN073025**

|              |               |                   |                                    |
|--------------|---------------|-------------------|------------------------------------|
| Review By    | John Carlone  | Review On         | 7/31/2025 8:40:59 AM               |
| Supervise By | Maresh Dadoda | Supervise On      | 7/31/2025 2:08:56 PM               |
| SubDirectory | VN073025      | HP Acquire Method | HP Processing Method 624N072825W.M |

| STD. NAME                                                                                          | STD REF.#         |
|----------------------------------------------------------------------------------------------------|-------------------|
| Tune/Reschk<br>Initial Calibration Stds                                                            | VP134946          |
| CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | VP134947,VP134948 |

| Sr# | SampleID     | ClientID                  | Data File Name | Date-Time         | Comment             | Operator | Status   |
|-----|--------------|---------------------------|----------------|-------------------|---------------------|----------|----------|
| 1   | BFB          | BFB                       | VN087436.D     | 30 Jul 2025 08:46 |                     | JC\MD    | Ok       |
| 2   | VSTDCCC020   | VSTDCCC020                | VN087437.D     | 30 Jul 2025 09:19 | pH#Lot#V12668       | JC\MD    | Ok,M     |
| 3   | VN0730WBS01  | VN0730WBS01               | VN087438.D     | 30 Jul 2025 09:57 |                     | JC\MD    | Ok,M     |
| 4   | VN0730WBSD01 | VN0730WBSD01              | VN087439.D     | 30 Jul 2025 10:47 |                     | JC\MD    | Ok,M     |
| 5   | VN0730WBL01  | VN0730WBL01               | VN087440.D     | 30 Jul 2025 11:20 |                     | JC\MD    | Ok       |
| 6   | Q2729-01     | 001 willets Pt Blvd(june) | VN087441.D     | 30 Jul 2025 13:45 | vial A pH<2         | JC\MD    | Ok,M     |
| 7   | Q2729-02     | 002 35th Ave(june)        | VN087442.D     | 30 Jul 2025 14:06 | vial A pH<2         | JC\MD    | Ok,M     |
| 8   | Q2730-01     | 001 willets Pt Blvd(july) | VN087443.D     | 30 Jul 2025 14:27 | vial A pH<2 Need 4X | JC\MD    | Dilution |
| 9   | Q2730-02     | 002 35th Ave(july)        | VN087444.D     | 30 Jul 2025 14:49 | vial A pH<2 Need 4X | JC\MD    | Dilution |
| 10  | Q2730-01DL   | 001 willets Pt Blvd(july) | VN087445.D     | 30 Jul 2025 15:12 | vial B pH<2         | JC\MD    | Ok,M     |
| 11  | Q2730-02DL   | 002 35th Ave(july)DL      | VN087446.D     | 30 Jul 2025 15:34 | vial B pH<2         | JC\MD    | Ok,M     |

M : Manual Integration



# SHIPPING DOCUMENTS



### Laboratory Certification

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

## LOGIN REPORT/SAMPLE TRANSFER

|                                                |        |                                                 |                                            |
|------------------------------------------------|--------|-------------------------------------------------|--------------------------------------------|
| <b>Order ID :</b> Q2729                        | TULL01 | <b>Order Date :</b> 7/30/2025 12:23:00 PM       | <b>Project Mgr :</b> Deepak                |
| <b>Client Name :</b> Tully Environmental, Inc  |        | <b>Project Name :</b> Transfer Station-SPDES    | <b>Report Type :</b> Results Only          |
| <b>Client Contact :</b> Dean Devoe             |        | <b>Receive DateTime :</b> 7/30/2025 12:02:00 PM | <b>EDD Type :</b> EXCEL NOCLEANUP          |
| <b>Invoice Name :</b> Tully Environmental, Inc |        | <b>Purchase Order :</b>                         | <b>Hard Copy Date :</b>                    |
| <b>Invoice Contact :</b> Dean Devoe            |        |                                                 | <b>Date Signoff :</b> 7/30/2025 1:18:28 PM |

| LAB ID   | CLIENT ID                 | MATRIX | SAMPLE DATE | SAMPLE TIME | TEST     | TEST GROUP | METHOD | FAX DATE   | DUE DATES |
|----------|---------------------------|--------|-------------|-------------|----------|------------|--------|------------|-----------|
| Q2729-01 | 001 willets Pt Blvd(june) | Water  | 07/29/2025  | 11:30       | VOC-BTEX |            | 624.1  | 1 Bus. Day |           |
| Q2729-02 | 002 35th Ave(june)        | Water  | 07/29/2025  | 11:30       | VOC-BTEX |            | 624.1  | 1 Bus. Day |           |

Relinquished By :

Date / Time :

*[Signature]*  
7/30/25 1325

Received By :

Date / Time :

*[Signature]*  
07/30/25 13:25 Rg A 5

Storage Area : VOA Refridgerator Room