



# SHIPPING DOCUMENTS

|                                                                                                                                                                                                                                                                                            |                |                          |                         |                                                       |                                    |                            |                           |                                                                        |                                   |              |              |                                |                                  |                   |              |                           |                 |      |  |  |  |                                                                                                                                                          |  |  |  |  |  |  |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------------------|-------------------------|-------------------------------------------------------|------------------------------------|----------------------------|---------------------------|------------------------------------------------------------------------|-----------------------------------|--------------|--------------|--------------------------------|----------------------------------|-------------------|--------------|---------------------------|-----------------|------|--|--|--|----------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|
| Client Contact Information                                                                                                                                                                                                                                                                 |                |                          |                         | Bottle Order ID : <b>B2507029</b>                     |                                    |                            |                           | Courier : <b>FGALDUN</b>                                               |                                   |              |              | 1 of 2 COCs                    |                                  |                   |              |                           |                 |      |  |  |  |                                                                                                                                                          |  |  |  |  |  |  |  |
| Client ID : <b>GFEL01</b> Project ID : <del>10-21-2015</del>                                                                                                                                                                                                                               |                |                          |                         | Sampler Name: <b>FRANK GALDUN</b>                     |                                    |                            |                           | Analysis                                                               |                                   |              |              | Matrix                         |                                  |                   |              |                           |                 |      |  |  |  |                                                                                                                                                          |  |  |  |  |  |  |  |
| Customer Name : <b>GFE LLC</b><br>Address : <b>58 Nokomis Ave</b><br>City : <b>Lake Hiawatha</b><br>State : <b>NJ</b><br>Zip Code : <b>07034</b><br>Country :                                                                                                                              |                |                          |                         | Project Manager : <b>Frank galdun</b>                 |                                    |                            |                           | <b>AIR ANALYSIS<br/>CHAIN-OF-CUSTODY</b><br><br><b>Batch Certified</b> |                                   |              |              |                                |                                  |                   |              |                           |                 |      |  |  |  |                                                                                                                                                          |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                            |                |                          |                         | Phone Number : <b>646-542-3465</b>                    |                                    |                            |                           |                                                                        |                                   |              |              |                                |                                  |                   |              |                           |                 |      |  |  |  |                                                                                                                                                          |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                            |                |                          |                         | Fax Number : <b>973-334-1692</b>                      |                                    |                            |                           |                                                                        |                                   |              |              |                                |                                  |                   |              |                           |                 |      |  |  |  |                                                                                                                                                          |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                            |                |                          |                         | Site Details: <b>233 FLORIDA ST<br/>ELIZABETH, NJ</b> |                                    |                            |                           |                                                                        |                                   |              |              |                                |                                  |                   |              |                           |                 |      |  |  |  |                                                                                                                                                          |  |  |  |  |  |  |  |
| Analysis Turnaround Time <b>7 DAY</b>                                                                                                                                                                                                                                                      |                |                          |                         | Data Package Type <b>RESULTS ONLY</b>                 |                                    |                            |                           |                                                                        |                                   |              |              |                                |                                  |                   |              |                           |                 |      |  |  |  |                                                                                                                                                          |  |  |  |  |  |  |  |
| Standard : <del>10 business days</del> <b>OR</b>                                                                                                                                                                                                                                           |                |                          |                         | Rush (Specify): <b>7</b> Days                         |                                    |                            |                           | EDD Type : <b>PDP</b>                                                  |                                   |              |              |                                |                                  |                   |              |                           |                 |      |  |  |  |                                                                                                                                                          |  |  |  |  |  |  |  |
| Sample Identification                                                                                                                                                                                                                                                                      | Sample Date(s) | Time Start (24 hr Clock) | Time Stop (24 hr Clock) | Can Vacuum in Field ("Hg) (Start)                     | Can Vacuum in Field ("Hg) (Stop)** | Interior Temp. (F) (Start) | Interior Temp. (F) (Stop) | Out going Can Pressure ("Hg)(Lab)                                      | In coming Can Pressure ("Hg)(Lab) | Flow Reg. ID | Can ID       |                                | Flow Controller Readout (ml/min) | Can Cert ID       | <b>TO-15</b> | <b>Indoor Ambient Air</b> | <b>Soil Gas</b> |      |  |  |  |                                                                                                                                                          |  |  |  |  |  |  |  |
| <b>TA1</b>                                                                                                                                                                                                                                                                                 | <b>8/7/23</b>  | <b>8:09</b>              | <b>10:09</b>            | <b>30</b>                                             | <b>6</b>                           | <b>70</b>                  | <b>70</b>                 | <b>-30</b>                                                             | <b>-5.5</b>                       | <b>10707</b> | <b>10285</b> | <b>6 L</b>                     | <b>50</b>                        | <b>VL042600.D</b> | <b>1</b>     | <b>1</b>                  |                 |      |  |  |  |                                                                                                                                                          |  |  |  |  |  |  |  |
| Temperature (Fahrenheit) <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td></td> <td>Ambient</td> <td>Maximum</td> <td>Minimum</td> </tr> <tr> <td>Start</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Stop</td> <td></td> <td></td> <td></td> </tr> </table> |                |                          |                         |                                                       |                                    |                            |                           |                                                                        |                                   |              | Ambient      | Maximum                        | Minimum                          | Start             |              |                           |                 | Stop |  |  |  | GC/MS Analyst Signature (TO-15) <span style="float: right;"></span>                                                                                      |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                            | Ambient        | Maximum                  | Minimum                 |                                                       |                                    |                            |                           |                                                                        |                                   |              |              |                                |                                  |                   |              |                           |                 |      |  |  |  |                                                                                                                                                          |  |  |  |  |  |  |  |
| Start                                                                                                                                                                                                                                                                                      |                |                          |                         |                                                       |                                    |                            |                           |                                                                        |                                   |              |              |                                |                                  |                   |              |                           |                 |      |  |  |  |                                                                                                                                                          |  |  |  |  |  |  |  |
| Stop                                                                                                                                                                                                                                                                                       |                |                          |                         |                                                       |                                    |                            |                           |                                                                        |                                   |              |              |                                |                                  |                   |              |                           |                 |      |  |  |  |                                                                                                                                                          |  |  |  |  |  |  |  |
| Pressure (Inches of Hg) <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td></td> <td>Ambient</td> <td>Maximum</td> <td>Minimum</td> </tr> <tr> <td>Start</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Stop</td> <td></td> <td></td> <td></td> </tr> </table>  |                |                          |                         |                                                       |                                    |                            |                           |                                                                        |                                   |              | Ambient      | Maximum                        | Minimum                          | Start             |              |                           |                 | Stop |  |  |  | ** Submittal of this COC indicates approval of the analysis based on existing conditions.<br><br>Please follow the instructions on the back of this COC. |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                            | Ambient        | Maximum                  | Minimum                 |                                                       |                                    |                            |                           |                                                                        |                                   |              |              |                                |                                  |                   |              |                           |                 |      |  |  |  |                                                                                                                                                          |  |  |  |  |  |  |  |
| Start                                                                                                                                                                                                                                                                                      |                |                          |                         |                                                       |                                    |                            |                           |                                                                        |                                   |              |              |                                |                                  |                   |              |                           |                 |      |  |  |  |                                                                                                                                                          |  |  |  |  |  |  |  |
| Stop                                                                                                                                                                                                                                                                                       |                |                          |                         |                                                       |                                    |                            |                           |                                                                        |                                   |              |              |                                |                                  |                   |              |                           |                 |      |  |  |  |                                                                                                                                                          |  |  |  |  |  |  |  |
| Special Instructions/QC Requirements & Comments :                                                                                                                                                                                                                                          |                |                          |                         |                                                       |                                    |                            |                           |                                                                        |                                   |              |              |                                |                                  |                   |              |                           |                 |      |  |  |  |                                                                                                                                                          |  |  |  |  |  |  |  |
| Suspected Contamination:      High                      Medium                      Low                      PID Readings:                                                                                                                                                                 |                |                          |                         |                                                       |                                    |                            |                           |                                                                        |                                   |              |              |                                |                                  |                   |              |                           |                 |      |  |  |  |                                                                                                                                                          |  |  |  |  |  |  |  |
| Sampling site (State):                                                                                                                                                                                                                                                                     |                |                          |                         |                                                       |                                    |                            |                           |                                                                        |                                   |              |              |                                |                                  |                   |              |                           |                 |      |  |  |  |                                                                                                                                                          |  |  |  |  |  |  |  |
| Quick Connector required : <b>NO</b>                                                                                                                                                                                                                                                       |                |                          |                         |                                                       |                                    |                            |                           |                                                                        |                                   |              |              |                                |                                  |                   |              |                           |                 |      |  |  |  |                                                                                                                                                          |  |  |  |  |  |  |  |
| Canisters Shipped by: <b>Sam</b>                                                                                                                                                                                                                                                           |                |                          |                         | Date/Time: <b>8/24/23</b>                             |                                    |                            |                           | Canisters Received by: <b>CP</b>                                       |                                   |              |              | Date/Time: <b>8/7/25 10:26</b> |                                  |                   |              |                           |                 |      |  |  |  |                                                                                                                                                          |  |  |  |  |  |  |  |
| Samples Relinquished by:                                                                                                                                                                                                                                                                   |                |                          |                         | Date/Time:                                            |                                    |                            |                           | Received by:                                                           |                                   |              |              | Date/Time:                     |                                  |                   |              |                           |                 |      |  |  |  |                                                                                                                                                          |  |  |  |  |  |  |  |
| Relinquished by:                                                                                                                                                                                                                                                                           |                |                          |                         | Date/Time:                                            |                                    |                            |                           | Received by:                                                           |                                   |              |              | Date/Time:                     |                                  |                   |              |                           |                 |      |  |  |  |                                                                                                                                                          |  |  |  |  |  |  |  |
| <b>B2507029 - 4</b>                                                                                                                                                                                                                                                                        |                |                          |                         |                                                       |                                    |                            |                           |                                                                        |                                   |              |              |                                |                                  |                   |              |                           |                 |      |  |  |  |                                                                                                                                                          |  |  |  |  |  |  |  |

|                                                                                                                                                                                                                                                               |                |                          |                         |                                                 |                                    |                            |                           |                                                                              |                                   |              |              |                               |                                  |                   |           |                    |          |      |           |  |  |                                                                                                                                                          |  |  |  |  |  |  |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------------------|-------------------------|-------------------------------------------------|------------------------------------|----------------------------|---------------------------|------------------------------------------------------------------------------|-----------------------------------|--------------|--------------|-------------------------------|----------------------------------|-------------------|-----------|--------------------|----------|------|-----------|--|--|----------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|
| Client Contact Information                                                                                                                                                                                                                                    |                |                          |                         | Bottle Order ID : <b>B2507029</b>               |                                    |                            |                           | Courier : <b>FGALDUN</b>                                                     |                                   |              |              | 2 of 2 COCs                   |                                  |                   |           |                    |          |      |           |  |  |                                                                                                                                                          |  |  |  |  |  |  |  |
| Client ID : <b>GFEL01</b>                                                                                                                                                                                                                                     |                |                          |                         | Project ID : <b>40 Eldridge St.</b>             |                                    |                            |                           | Sampler Name(s) : <b>FRANK GALDUN</b>                                        |                                   |              |              | Analysis                      |                                  | Matrix            |           |                    |          |      |           |  |  |                                                                                                                                                          |  |  |  |  |  |  |  |
| Customer Name : <b>GFE LLC</b><br><br>Address : <b>58 Nokomis Ave</b><br><br>City : <b>Lake Hiawatha</b><br>State : <b>NJ</b><br>Zip Code : <b>07034</b><br>Country :                                                                                         |                |                          |                         | Project Manager : <b>Frank galdun</b>           |                                    |                            |                           | <b>AIR ANALYSIS</b><br><b>CHAIN-OF-CUSTODY</b><br><br><b>Batch Certified</b> |                                   |              |              |                               |                                  |                   |           |                    |          |      |           |  |  |                                                                                                                                                          |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                               |                |                          |                         | Phone Number : <b>646-542-3465</b>              |                                    |                            |                           |                                                                              |                                   |              |              |                               |                                  |                   |           |                    |          |      |           |  |  |                                                                                                                                                          |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                               |                |                          |                         | Fax Number : <b>973-334-1692</b>                |                                    |                            |                           |                                                                              |                                   |              |              |                               |                                  |                   |           |                    |          |      |           |  |  |                                                                                                                                                          |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                               |                |                          |                         | Site Details: <b>233 FORDA ST ELIZABETH, NJ</b> |                                    |                            |                           |                                                                              |                                   |              |              |                               |                                  |                   |           |                    |          |      |           |  |  |                                                                                                                                                          |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                               |                |                          |                         | Analysis Turnaround Time <b>7 DAY</b>           |                                    |                            |                           | Data Package Type : <b>RESULTS ONLY</b>                                      |                                   |              |              |                               |                                  |                   |           |                    |          |      |           |  |  |                                                                                                                                                          |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                               |                |                          |                         | Standard : <b>10 business days</b> OR           |                                    |                            |                           | EDD Type : <b>PDF</b>                                                        |                                   |              |              |                               |                                  |                   |           |                    |          |      |           |  |  |                                                                                                                                                          |  |  |  |  |  |  |  |
| Rush (Specify): <b>7</b> Days                                                                                                                                                                                                                                 |                |                          |                         |                                                 |                                    |                            |                           |                                                                              |                                   |              |              |                               |                                  |                   |           |                    |          |      |           |  |  |                                                                                                                                                          |  |  |  |  |  |  |  |
| Sample Identification                                                                                                                                                                                                                                         | Sample Date(s) | Time Start (24 hr Clock) | Time Stop (24 hr Clock) | Can Vacuum in Field ("Hg) (Start)               | Can Vacuum in Field ("Hg) (Stop)** | Interior Temp. (F) (Start) | Interior Temp. (F) (Stop) | Out going Can Pressure ("Hg)(Lab)                                            | In coming Can Pressure ("Hg)(Lab) | Flow Reg. ID | Can ID       |                               | Flow Controller Readout (ml/min) | Can Cert ID       | TO-15     | Indoor/Ambient Air | Soil Gas |      |           |  |  |                                                                                                                                                          |  |  |  |  |  |  |  |
| <b>OAI</b>                                                                                                                                                                                                                                                    | <b>8/7/25</b>  | <b>10:05</b>             | <b>10:50</b>            | <b>30</b>                                       | <b>4.5</b>                         | <b>/</b>                   | <b>/</b>                  | <b>-30</b>                                                                   | <b>-5.1</b>                       | <b>10185</b> | <b>10333</b> | <b>6 L</b>                    | <b>50</b>                        | <b>VL042562.D</b> | <b>1</b>  | <b>1</b>           |          |      |           |  |  |                                                                                                                                                          |  |  |  |  |  |  |  |
| Temperature (Fahrenheit) <table border="1"> <tr> <td></td> <td>Ambient</td> <td>Maximum</td> <td>Minimum</td> </tr> <tr> <td>Start</td> <td><b>71</b></td> <td></td> <td></td> </tr> <tr> <td>Stop</td> <td><b>74</b></td> <td></td> <td></td> </tr> </table> |                |                          |                         |                                                 |                                    |                            |                           |                                                                              |                                   |              | Ambient      | Maximum                       | Minimum                          | Start             | <b>71</b> |                    |          | Stop | <b>74</b> |  |  | GC/MS Analyst Signature (TO-15) <b>[Signature]</b>                                                                                                       |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                               | Ambient        | Maximum                  | Minimum                 |                                                 |                                    |                            |                           |                                                                              |                                   |              |              |                               |                                  |                   |           |                    |          |      |           |  |  |                                                                                                                                                          |  |  |  |  |  |  |  |
| Start                                                                                                                                                                                                                                                         | <b>71</b>      |                          |                         |                                                 |                                    |                            |                           |                                                                              |                                   |              |              |                               |                                  |                   |           |                    |          |      |           |  |  |                                                                                                                                                          |  |  |  |  |  |  |  |
| Stop                                                                                                                                                                                                                                                          | <b>74</b>      |                          |                         |                                                 |                                    |                            |                           |                                                                              |                                   |              |              |                               |                                  |                   |           |                    |          |      |           |  |  |                                                                                                                                                          |  |  |  |  |  |  |  |
| Pressure (Inches of Hg) <table border="1"> <tr> <td></td> <td>Ambient</td> <td>Maximum</td> <td>Minimum</td> </tr> <tr> <td>Start</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Stop</td> <td></td> <td></td> <td></td> </tr> </table>                    |                |                          |                         |                                                 |                                    |                            |                           |                                                                              |                                   |              | Ambient      | Maximum                       | Minimum                          | Start             |           |                    |          | Stop |           |  |  | ** Submittal of this COC indicates approval of the analysis based on existing conditions.<br><br>Please follow the instructions on the back of this COC. |  |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                               | Ambient        | Maximum                  | Minimum                 |                                                 |                                    |                            |                           |                                                                              |                                   |              |              |                               |                                  |                   |           |                    |          |      |           |  |  |                                                                                                                                                          |  |  |  |  |  |  |  |
| Start                                                                                                                                                                                                                                                         |                |                          |                         |                                                 |                                    |                            |                           |                                                                              |                                   |              |              |                               |                                  |                   |           |                    |          |      |           |  |  |                                                                                                                                                          |  |  |  |  |  |  |  |
| Stop                                                                                                                                                                                                                                                          |                |                          |                         |                                                 |                                    |                            |                           |                                                                              |                                   |              |              |                               |                                  |                   |           |                    |          |      |           |  |  |                                                                                                                                                          |  |  |  |  |  |  |  |
| Special Instructions/QC Requirements & Comments :                                                                                                                                                                                                             |                |                          |                         |                                                 |                                    |                            |                           |                                                                              |                                   |              |              |                               |                                  |                   |           |                    |          |      |           |  |  |                                                                                                                                                          |  |  |  |  |  |  |  |
| Suspected Contamination: High Medium <b>Low</b> PID Readings: <b>0.0</b>                                                                                                                                                                                      |                |                          |                         |                                                 |                                    |                            |                           |                                                                              |                                   |              |              |                               |                                  |                   |           |                    |          |      |           |  |  |                                                                                                                                                          |  |  |  |  |  |  |  |
| Sampling site (State):                                                                                                                                                                                                                                        |                |                          |                         |                                                 |                                    |                            |                           |                                                                              |                                   |              |              |                               |                                  |                   |           |                    |          |      |           |  |  |                                                                                                                                                          |  |  |  |  |  |  |  |
| Quick Connector required : <b>No</b>                                                                                                                                                                                                                          |                |                          |                         |                                                 |                                    |                            |                           |                                                                              |                                   |              |              |                               |                                  |                   |           |                    |          |      |           |  |  |                                                                                                                                                          |  |  |  |  |  |  |  |
| Canisters Shipped by: <b>[Signature]</b>                                                                                                                                                                                                                      |                |                          |                         | Date/Time: <b>8/7/25</b>                        |                                    |                            |                           | Canisters Received by: <b>[Signature]</b>                                    |                                   |              |              | Date/Time: <b>8/7/25 1026</b> |                                  |                   |           |                    |          |      |           |  |  |                                                                                                                                                          |  |  |  |  |  |  |  |
| Samples Relinquished by: <b>[Signature]</b>                                                                                                                                                                                                                   |                |                          |                         | Date/Time: <b>8/7/25</b>                        |                                    |                            |                           | Received by:                                                                 |                                   |              |              | Date/Time:                    |                                  |                   |           |                    |          |      |           |  |  |                                                                                                                                                          |  |  |  |  |  |  |  |
| Relinquished by:                                                                                                                                                                                                                                              |                |                          |                         | Date/Time:                                      |                                    |                            |                           | Received by:                                                                 |                                   |              |              | Date/Time:                    |                                  |                   |           |                    |          |      |           |  |  |                                                                                                                                                          |  |  |  |  |  |  |  |

### 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       |

New Jersey Department of Environmental Protection

Internal Chain of Custody

Instructions: Use 1 form for each 20 samples of aliquot

|                                   |  |                                                       |  |
|-----------------------------------|--|-------------------------------------------------------|--|
| Laboratory: Chemtech              |  | Location: 284 Sheffield Street, Mountainside, NJ 7092 |  |
| <del>QA66</del> :                 |  | Title: Sample Custodian                               |  |
| Field Sample Seal No. Q2794       |  | Date Broken 8/7/2025                                  |  |
| Case No.: 233 FLORIDA ST ELIZABET |  | Military Time Seal Broken: 10:26:00                   |  |
|                                   |  | Analytical Parameter/Fraction TO-15                   |  |

| Sample No. | Aliquot/Extract No. | Sample No. | Aliquot/Extract No. |
|------------|---------------------|------------|---------------------|
| Q2794-01   | IA1                 |            |                     |
| Q2794-02   | OA1                 |            |                     |
|            |                     |            |                     |
|            |                     |            |                     |

| Date    | Time | Relinquished By |                                                                                     | Received By  |                                                                                     | Purpose of Change of Custody |
|---------|------|-----------------|-------------------------------------------------------------------------------------|--------------|-------------------------------------------------------------------------------------|------------------------------|
| 5/27/25 | 1240 | Signature       |  | Signature    |  |                              |
|         |      | Printed Name    | Cassanova Peric                                                                     | Printed Name | Cassanova Peric                                                                     |                              |
|         |      | Signature       |                                                                                     | Signature    |                                                                                     |                              |
|         |      | Printed Name    |                                                                                     | Printed Name |                                                                                     |                              |
|         |      | Signature       |                                                                                     | Signature    |                                                                                     |                              |
|         |      | Printed Name    |                                                                                     | Printed Name |                                                                                     |                              |
|         |      | Signature       |                                                                                     | Signature    |                                                                                     |                              |
|         |      | Printed Name    |                                                                                     | Printed Name |                                                                                     |                              |
|         |      | Signature       |                                                                                     | Signature    |                                                                                     |                              |
|         |      | Printed Name    |                                                                                     | Printed Name |                                                                                     |                              |
|         |      | Signature       |                                                                                     | Signature    |                                                                                     |                              |
|         |      | Printed Name    |                                                                                     | Printed Name |                                                                                     |                              |
|         |      | Signature       |                                                                                     | Signature    |                                                                                     |                              |
|         |      | Printed Name    |                                                                                     | Printed Name |                                                                                     |                              |

Distribution: White - Original (Sent With Report)      Yellow - Contractor Archive      Pink - Sample Custodian - Interim Copy

## 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |

## LAB CHRONICLE

|                 |              |                   |                             |
|-----------------|--------------|-------------------|-----------------------------|
| <b>OrderID:</b> | Q2794        | <b>OrderDate:</b> | 8/7/2025 11:43:00 AM        |
| <b>Client:</b>  | GFE LLC      | <b>Project:</b>   | 233 FLORIDA ST ELIZABETH NJ |
| <b>Contact:</b> | Frank Galdun | <b>Location:</b>  | Air Lab                     |

| LabID      | ClientID | Matrix | Test  | Method | Sample Date | Prep Date | Anal Date | Received |
|------------|----------|--------|-------|--------|-------------|-----------|-----------|----------|
| Q2794-01   | IA1      | Air    | TO-15 | TO-15  | 08/07/25    |           | 08/13/25  | 08/07/25 |
| Q2794-01DL | IA1DL    | Air    | TO-15 | TO-15  | 08/07/25    |           | 08/13/25  | 08/07/25 |
| Q2794-02   | OA1      | Air    | TO-15 | TO-15  | 08/07/25    |           | 08/13/25  | 08/07/25 |

### Hit Summary Sheet SW-846

SDG No.: Q2794

Client: GFE LLC

| Sample ID                   | Client ID    | Matrix | Parameter               | Concentration | C   | MDL   | RDL  | Units |
|-----------------------------|--------------|--------|-------------------------|---------------|-----|-------|------|-------|
| <b>Client ID:</b>           | <b>IA1</b>   |        |                         |               |     |       |      |       |
| Q2794-01                    | IA1          | Air    | Dichlorodifluoromethane | 2.18          | J   | 0.54  | 2.47 | ug/m3 |
| Q2794-01                    | IA1          | Air    | Chloromethane           | 1.16          |     | 0.21  | 1.03 | ug/m3 |
| Q2794-01                    | IA1          | Air    | Trichlorofluoromethane  | 1.18          | J   | 0.96  | 2.81 | ug/m3 |
| Q2794-01                    | IA1          | Air    | tert-Butyl alcohol      | 0.73          | J   | 0.49  | 1.52 | ug/m3 |
| Q2794-01                    | IA1          | Air    | Heptane                 | 6.56          |     | 0.70  | 2.05 | ug/m3 |
| Q2794-01                    | IA1          | Air    | Acetone                 | 76.3          | E   | 0.43  | 1.19 | ug/m3 |
| Q2794-01                    | IA1          | Air    | Methylene Chloride      | 3.34          |     | 0.80  | 1.74 | ug/m3 |
| Q2794-01                    | IA1          | Air    | Cyclohexane             | 3.44          |     | 0.76  | 1.72 | ug/m3 |
| Q2794-01                    | IA1          | Air    | 2-Butanone              | 2.71          |     | 0.18  | 1.47 | ug/m3 |
| Q2794-01                    | IA1          | Air    | Carbon Tetrachloride    | 0.44          |     | 0.19  | 0.19 | ug/m3 |
| Q2794-01                    | IA1          | Air    | Chloroform              | 1.42          | J   | 0.49  | 2.44 | ug/m3 |
| Q2794-01                    | IA1          | Air    | 2,2,4-Trimethylpentane  | 10.7          |     | 0.65  | 2.34 | ug/m3 |
| Q2794-01                    | IA1          | Air    | Benzene                 | 3.83          |     | 0.26  | 1.60 | ug/m3 |
| Q2794-01                    | IA1          | Air    | 4-Methyl-2-Pentanone    | 0.82          | J   | 0.41  | 2.05 | ug/m3 |
| Q2794-01                    | IA1          | Air    | Toluene                 | 41.1          |     | 0.60  | 1.88 | ug/m3 |
| Q2794-01                    | IA1          | Air    | Tetrachloroethene       | 0.34          |     | 0.14  | 0.20 | ug/m3 |
| Q2794-01                    | IA1          | Air    | Ethyl Benzene           | 6.95          |     | 0.83  | 2.17 | ug/m3 |
| Q2794-01                    | IA1          | Air    | m/p-Xylene              | 22.6          |     | 1.78  | 4.34 | ug/m3 |
| Q2794-01                    | IA1          | Air    | o-Xylene                | 8.69          |     | 0.91  | 2.17 | ug/m3 |
| Q2794-01                    | IA1          | Air    | Styrene                 | 0.72          | J   | 0.68  | 2.13 | ug/m3 |
| Q2794-01                    | IA1          | Air    | 1,3,5-Trimethylbenzene  | 2.36          | J   | 0.88  | 2.46 | ug/m3 |
| Q2794-01                    | IA1          | Air    | 1,2,4-Trimethylbenzene  | 9.34          |     | 0.88  | 2.46 | ug/m3 |
| Q2794-01                    | IA1          | Air    | 1,4-Dichlorobenzene     | 0.90          | J   | 0.78  | 3.01 | ug/m3 |
| Q2794-01                    | IA1          | Air    | Naphthalene             | 5.24          |     | 0.050 | 0.52 | ug/m3 |
| Q2794-01                    | IA1          | Air    | 4-Ethyltoluene          | 2.65          |     | 1.03  | 2.46 | ug/m3 |
| Q2794-01                    | IA1          | Air    | Hexane                  | 8.11          |     | 0.56  | 1.76 | ug/m3 |
| Q2794-01                    | IA1          | Air    | Methyl Methacrylate     | 2.33          |     | 0.57  | 2.05 | ug/m3 |
| <b>Total Voc :</b>          |              |        |                         |               | 226 |       |      |       |
| <b>Total Concentration:</b> |              |        |                         |               | 226 |       |      |       |
| <b>Client ID:</b>           | <b>IA1DL</b> |        |                         |               |     |       |      |       |
| Q2794-01DL                  | IA1DL        | Air    | Heptane                 | 6.97          | JD  | 6.97  | 20.5 | ug/m3 |
| Q2794-01DL                  | IA1DL        | Air    | Acetone                 | 83.4          | D   | 4.28  | 11.9 | ug/m3 |
| Q2794-01DL                  | IA1DL        | Air    | 2-Butanone              | 4.42          | JD  | 1.65  | 14.8 | ug/m3 |
| Q2794-01DL                  | IA1DL        | Air    | 2,2,4-Trimethylpentane  | 10.7          | JD  | 6.54  | 23.4 | ug/m3 |
| Q2794-01DL                  | IA1DL        | Air    | Benzene                 | 4.15          | JD  | 2.52  | 16.0 | ug/m3 |
| Q2794-01DL                  | IA1DL        | Air    | Toluene                 | 38.1          | D   | 6.03  | 18.8 | ug/m3 |

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

**SDG No.:** Q2794

**Client:** GFE LLC

| Sample ID                   | Client ID  | Matrix | Parameter               | Concentration | C  | MDL  | RDL  | Units |
|-----------------------------|------------|--------|-------------------------|---------------|----|------|------|-------|
| Q2794-01DL                  | IA1DL      | Air    | m/p-Xylene              | 20.9          | JD | 17.8 | 43.4 | ug/m3 |
| Q2794-01DL                  | IA1DL      | Air    | Hexane                  | 8.11          | JD | 5.64 | 17.6 | ug/m3 |
| <b>Total Voc :</b>          |            |        |                         | 177           |    |      |      |       |
| <b>Total Concentration:</b> |            |        |                         | 177           |    |      |      |       |
| <b>Client ID:</b>           | <b>OA1</b> |        |                         |               |    |      |      |       |
| Q2794-02                    | OA1        | Air    | Dichlorodifluoromethane | 2.08          | J  | 0.54 | 2.47 | ug/m3 |
| Q2794-02                    | OA1        | Air    | Chloromethane           | 0.93          | J  | 0.21 | 1.03 | ug/m3 |
| Q2794-02                    | OA1        | Air    | Trichlorofluoromethane  | 1.01          | J  | 0.96 | 2.81 | ug/m3 |
| Q2794-02                    | OA1        | Air    | Acetone                 | 16.9          |    | 0.43 | 1.19 | ug/m3 |
| Q2794-02                    | OA1        | Air    | Methylene Chloride      | 1.04          | J  | 0.80 | 1.74 | ug/m3 |
| Q2794-02                    | OA1        | Air    | 2-Butanone              | 1.86          |    | 0.18 | 1.47 | ug/m3 |
| Q2794-02                    | OA1        | Air    | Carbon Tetrachloride    | 0.44          |    | 0.19 | 0.19 | ug/m3 |
| Q2794-02                    | OA1        | Air    | 2,2,4-Trimethylpentane  | 0.89          | J  | 0.65 | 2.34 | ug/m3 |
| Q2794-02                    | OA1        | Air    | Benzene                 | 1.34          | J  | 0.26 | 1.60 | ug/m3 |
| Q2794-02                    | OA1        | Air    | Toluene                 | 1.73          | J  | 0.60 | 1.88 | ug/m3 |
| Q2794-02                    | OA1        | Air    | Hexane                  | 0.88          | J  | 0.56 | 1.76 | ug/m3 |
| <b>Total Voc :</b>          |            |        |                         | 29.1          |    |      |      |       |
| <b>Total Concentration:</b> |            |        |                         | 29.1          |    |      |      |       |



# QC SUMMARY

## Surrogate Summary

SDG No.: Q2794

Client: GFE LLC

Analytical Method: SWTO-15

| Lab Sample ID | Client ID   | Parameter               | Spike | Result | Recovery (%) | Qual | Limits (%) |      |
|---------------|-------------|-------------------------|-------|--------|--------------|------|------------|------|
|               |             |                         |       |        |              |      | Low        | High |
| Q2794-01      | IA1         | 1-Bromo-4-Fluorobenzene | 10    | 10.1   | 101          |      | 65         | 135  |
| Q2794-01DL    | IA1DL       | 1-Bromo-4-Fluorobenzene | 10    | 10.0   | 100          |      | 65         | 135  |
| Q2794-01DUP   | IA1DUP      | 1-Bromo-4-Fluorobenzene | 10    | 10.3   | 103          |      | 65         | 135  |
| Q2794-02      | OA1         | 1-Bromo-4-Fluorobenzene | 10    | 10.3   | 103          |      | 65         | 135  |
| VL0813ABL01   | VL0813ABL01 | 1-Bromo-4-Fluorobenzene | 10    | 10.0   | 100          |      | 65         | 135  |
| VL0813ABS01   | VL0813ABS01 | 1-Bromo-4-Fluorobenzene | 10    | 10.1   | 101          |      | 65         | 135  |

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

|                 |                |                           |                   |
|-----------------|----------------|---------------------------|-------------------|
| <b>SDG No.:</b> | <u>Q2794</u>   | <b>Analytical Method:</b> | <u>SWTO-15</u>    |
| <b>Client:</b>  | <u>GFE LLC</u> | <b>Datafile :</b>         | <u>VL042851.D</u> |

| Lab Sample ID | Parameter                      | Spike | Result | Unit | Rec | RPD | Qual | Low | Limits High | RPD |
|---------------|--------------------------------|-------|--------|------|-----|-----|------|-----|-------------|-----|
| VL0813ABS01   | Dichlorodifluoromethane        | 10    | 9.30   | ppbv | 93  |     |      | 70  | 130         |     |
|               | Chloromethane                  | 10    | 9.00   | ppbv | 90  |     |      | 70  | 130         |     |
|               | Vinyl Chloride                 | 10    | 8.70   | ppbv | 87  |     |      | 70  | 130         |     |
|               | Bromomethane                   | 10    | 8.50   | ppbv | 85  |     |      | 70  | 130         |     |
|               | Chloroethane                   | 10    | 8.90   | ppbv | 89  |     |      | 70  | 130         |     |
|               | Tetrahydrofuran                | 10    | 9.20   | ppbv | 92  |     |      | 70  | 130         |     |
|               | Trichlorofluoromethane         | 10    | 9.10   | ppbv | 91  |     |      | 70  | 130         |     |
|               | 1,1,2-Trichlorotrifluoroethane | 10    | 9.20   | ppbv | 92  |     |      | 70  | 130         |     |
|               | Dichlorotetrafluoroethane      | 10    | 9.50   | ppbv | 95  |     |      | 70  | 130         |     |
|               | tert-Butyl Alcohol             | 10    | 8.70   | ppbv | 87  |     |      | 70  | 130         |     |
|               | Heptane                        | 10    | 9.10   | ppbv | 91  |     |      | 70  | 130         |     |
|               | 1,1-Dichloroethene             | 10    | 9.40   | ppbv | 94  |     |      | 70  | 130         |     |
|               | Acetone                        | 10    | 7.40   | ppbv | 74  |     |      | 70  | 130         |     |
|               | Carbon disulfide               | 10    | 9.10   | ppbv | 91  |     |      | 70  | 130         |     |
|               | Methyl tert-butyl Ether        | 10    | 9.60   | ppbv | 96  |     |      | 70  | 130         |     |
|               | Methylene Chloride             | 10    | 7.40   | ppbv | 74  |     |      | 70  | 130         |     |
|               | trans-1,2-Dichloroethene       | 10    | 9.10   | ppbv | 91  |     |      | 70  | 130         |     |
|               | 1,1-Dichloroethane             | 10    | 9.00   | ppbv | 90  |     |      | 70  | 130         |     |
|               | Cyclohexane                    | 10    | 9.30   | ppbv | 93  |     |      | 70  | 130         |     |
|               | 2-Butanone                     | 10    | 9.00   | ppbv | 90  |     |      | 70  | 130         |     |
|               | Carbon Tetrachloride           | 10    | 9.30   | ppbv | 93  |     |      | 70  | 130         |     |
|               | cis-1,2-Dichloroethene         | 10    | 9.20   | ppbv | 92  |     |      | 70  | 130         |     |
|               | Chloroform                     | 10    | 9.50   | ppbv | 95  |     |      | 70  | 130         |     |
|               | 1,1,1-Trichloroethane          | 10    | 9.40   | ppbv | 94  |     |      | 70  | 130         |     |
|               | 2,2,4-Trimethylpentane         | 10    | 9.00   | ppbv | 90  |     |      | 70  | 130         |     |
|               | Benzene                        | 10    | 9.40   | ppbv | 94  |     |      | 70  | 130         |     |
|               | 1,2-Dichloroethane             | 10    | 9.90   | ppbv | 99  |     |      | 70  | 130         |     |
|               | Trichloroethene                | 10    | 8.90   | ppbv | 89  |     |      | 70  | 130         |     |
|               | 1,2-Dichloropropane            | 10    | 9.30   | ppbv | 93  |     |      | 70  | 130         |     |
|               | Bromodichloromethane           | 10    | 9.50   | ppbv | 95  |     |      | 70  | 130         |     |
|               | 4-Methyl-2-Pentanone           | 10    | 9.30   | ppbv | 93  |     |      | 70  | 130         |     |
|               | Toluene                        | 10    | 9.20   | ppbv | 92  |     |      | 70  | 130         |     |
|               | t-1,3-Dichloropropene          | 10    | 9.30   | ppbv | 93  |     |      | 70  | 130         |     |
|               | cis-1,3-Dichloropropene        | 10    | 9.30   | ppbv | 93  |     |      | 70  | 130         |     |
|               | 1,1,2-Trichloroethane          | 10    | 9.40   | ppbv | 94  |     |      | 70  | 130         |     |
|               | Dibromochloromethane           | 10    | 9.40   | ppbv | 94  |     |      | 70  | 130         |     |
|               | 1,2-Dibromoethane              | 10    | 9.30   | ppbv | 93  |     |      | 70  | 130         |     |
|               | Tetrachloroethene              | 10    | 8.40   | ppbv | 84  |     |      | 70  | 130         |     |
|               | Chlorobenzene                  | 10    | 9.30   | ppbv | 93  |     |      | 70  | 130         |     |
|               | Ethyl Benzene                  | 10    | 9.40   | ppbv | 94  |     |      | 70  | 130         |     |
|               | m/p-Xylene                     | 20    | 18.8   | ppbv | 94  |     |      | 70  | 130         |     |
|               | o-Xylene                       | 10    | 9.30   | ppbv | 93  |     |      | 70  | 130         |     |
|               | Styrene                        | 10    | 9.40   | ppbv | 94  |     |      | 70  | 130         |     |
|               | Bromoform                      | 10    | 9.20   | ppbv | 92  |     |      | 70  | 130         |     |
|               | 1,1,2,2-Tetrachloroethane      | 10    | 9.00   | ppbv | 90  |     |      | 70  | 130         |     |
|               | 2-Chlorotoluene                | 10    | 9.20   | ppbv | 92  |     |      | 70  | 130         |     |
|               | 1,3,5-Trimethylbenzene         | 10    | 9.20   | ppbv | 92  |     |      | 70  | 130         |     |
|               | 1,2,4-Trimethylbenzene         | 10    | 9.00   | ppbv | 90  |     |      | 70  | 130         |     |

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

**SW-846**

|                 |                |                           |                   |
|-----------------|----------------|---------------------------|-------------------|
| <b>SDG No.:</b> | <u>Q2794</u>   | <b>Analytical Method:</b> | <u>SWTO-15</u>    |
| <b>Client:</b>  | <u>GFE LLC</u> | <b>Datafile :</b>         | <u>VL042851.D</u> |

| Lab Sample ID | Parameter                | Spike | Result | Unit | Rec | RPD | Qual | Low | Limits<br>High | RPD |
|---------------|--------------------------|-------|--------|------|-----|-----|------|-----|----------------|-----|
| VL0813ABS01   | 1,3-Dichlorobenzene      | 10    | 9.00   | ppbv | 90  |     |      | 70  | 130            |     |
|               | 1,4-Dichlorobenzene      | 10    | 9.00   | ppbv | 90  |     |      | 70  | 130            |     |
|               | 1,2-Dichlorobenzene      | 10    | 8.90   | ppbv | 89  |     |      | 70  | 130            |     |
|               | 1,2,4-Trichlorobenzene   | 10    | 8.80   | ppbv | 88  |     |      | 70  | 130            |     |
|               | Hexachloro-1,3-butadiene | 10    | 7.50   | ppbv | 75  |     |      | 70  | 130            |     |
|               | Naphthalene              | 10    | 8.90   | ppbv | 89  |     |      | 70  | 130            |     |
|               | 1,3-Butadiene            | 10    | 8.40   | ppbv | 84  |     |      | 70  | 130            |     |
|               | 4-Ethyltoluene           | 10    | 9.30   | ppbv | 93  |     |      | 70  | 130            |     |
|               | Hexane                   | 10    | 9.20   | ppbv | 92  |     |      | 70  | 130            |     |
|               | Allyl Chloride           | 10    | 8.90   | ppbv | 89  |     |      | 70  | 130            |     |
|               | 1,4-Dioxane              | 10    | 8.80   | ppbv | 88  |     |      | 70  | 130            |     |
|               | Methyl methacrylate      | 10    | 9.00   | ppbv | 90  |     |      | 70  | 130            |     |

### Duplicate Sample Summary

|                               |                  |                  |
|-------------------------------|------------------|------------------|
| <b>Lab Sample Id :</b>        | Q2794-01DUP      | Q2794-01         |
| <b>Client Id :</b>            | IA1DUP           | IA1              |
| <b>DF :</b>                   | 1                | 1                |
| <b>Datafile :</b>             | VL042856.D       | VL042855.D       |
| <b>Anal Date &amp; Time :</b> | 08/13/2025 17:43 | 08/13/2025 17:05 |

| Parameter                      | Result | Result | RPD  |
|--------------------------------|--------|--------|------|
| 1,1,1-Trichloroethane          | 0      | 0      | 0    |
| 1,1,2,2-Tetrachloroethane      | 0      | 0      | 0    |
| 1,1,2-Trichloroethane          | 0      | 0      | 0    |
| 1,1,2-Trichlorotrifluoroethane | 0      | 0      | 0    |
| 1,1-Dichloroethane             | 0      | 0      | 0    |
| 1,1-Dichloroethene             | 0      | 0      | 0    |
| 1,2,4-Trichlorobenzene         | 0      | 0      | 0    |
| 1,2,4-Trimethylbenzene         | 1.8    | 1.9    | 5.4  |
| 1,2-Dibromoethane              | 0      | 0      | 0    |
| 1,2-Dichlorobenzene            | 0      | 0      | 0    |
| 1,2-Dichloroethane             | 0      | 0      | 0    |
| 1,2-Dichloropropane            | 0      | 0      | 0    |
| 1,3,5-Trimethylbenzene         | 0.49   | 0.48   | 2.1  |
| 1,3-Butadiene                  | 0      | 0      | 0    |
| 1,3-Dichlorobenzene            | 0      | 0      | 0    |
| 1,4-Dichlorobenzene            | 0.15   | 0.15   | 0    |
| 1,4-Dioxane                    | 0      | 0      | 0    |
| 2,2,4-Trimethylpentane         | 2.3    | 2.3    | 0    |
| 2-Butanone                     | 0.87   | 0.92   | 5.6  |
| 2-Chlorotoluene                | 0      | 0      | 0    |
| 4-Ethyltoluene                 | 0.54   | 0.54   | 0    |
| 4-Methyl-2-Pentanone           | 0.2    | 0.2    | 0    |
| Acetone                        | 32.9   | 32.1   | 2.5  |
| Allyl Chloride                 | 0      | 0      | 0    |
| Benzene                        | 1.3    | 1.2    | 8    |
| Bromodichloromethane           | 0      | 0      | 0    |
| Bromoform                      | 0      | 0      | 0    |
| Bromomethane                   | 0      | 0      | 0    |
| Carbon Disulfide               | 0      | 0      | 0    |
| Carbon Tetrachloride           | 0.08   | 0.07   | 13.3 |
|                                |        |        |      |

## Duplicate Sample Summary

|                               |                  |                  |
|-------------------------------|------------------|------------------|
| <b>Lab Sample Id :</b>        | Q2794-01DUP      | Q2794-01         |
| <b>Client Id :</b>            | IA1DUP           | IA1              |
| <b>DF :</b>                   | 1                | 1                |
| <b>Datafile :</b>             | VL042856.D       | VL042855.D       |
| <b>Anal Date &amp; Time :</b> | 08/13/2025 17:43 | 08/13/2025 17:05 |

| Parameter                 | Result | Result | RPD   |
|---------------------------|--------|--------|-------|
| Chlorobenzene             | 0      | 0      | 0     |
| Chloroethane              | 0      | 0      | 0     |
| Chloroform                | 0.29   | 0.29   | 0     |
| Chloromethane             | 0.56   | 0.56   | 0     |
| cis-1,2-Dichloroethene    | 0      | 0      | 0     |
| cis-1,3-Dichloropropene   | 0      | 0      | 0     |
| Cyclohexane               | 1      | 1      | 0     |
| Dibromochloromethane      | 0      | 0      | 0     |
| Dichlorodifluoromethane   | 0.43   | 0.44   | 2.3   |
| Dichlorotetrafluoroethane | 0      | 0      | 0     |
| Ethyl Benzene             | 1.7    | 1.6    | 6.1   |
| Heptane                   | 1.6    | 1.6    | 0     |
| Hexachloro-1,3-Butadiene  | 0      | 0      | 0     |
| Hexane                    | 2.4    | 2.3    | 4.3   |
| m/p-Xylene                | 5.4    | 5.2    | 3.8   |
| Methyl Methacrylate       | 0.57   | 0.57   | 0     |
| Methyl tert-Butyl Ether   | 0      | 0      | 0     |
| Methylene Chloride        | 0.91   | 0.96   | 5.3   |
| Naphthalene               | 1.1    | 1      | 9.5   |
| o-Xylene                  | 2.1    | 2      | 4.9   |
| Styrene                   | 0      | 0.17   | 200 * |
| t-1,3-Dichloropropene     | 0      | 0      | 0     |
| tert-Butyl alcohol        | 0.25   | 0.24   | 4.1   |
| Tetrachloroethene         | 0.05   | 0.05   | 0     |
| Tetrahydrofuran           | 0      | 0      | 0     |
| Toluene                   | 11     | 10.9   | 0.91  |
| trans-1,2-Dichloroethene  | 0      | 0      | 0     |
| Trichloroethene           | 0      | 0      | 0     |
| Trichlorofluoromethane    | 0.22   | 0.21   | 4.7   |
| Vinyl Chloride            | 0      | 0      | 0     |

VOLATILE METHOD BLANK SUMMARY

Client ID

IA1DUP

Lab Name: Alliance

Contract: GFEL01

Lab Code: ACE

SDG NO.: Q2794

Lab File ID: VL042856.D

Lab Sample ID: Q2794-01DUP

Date Analyzed: 08/13/2025

Time Analyzed: 17:43

GC Column: RTX-1 ID: 0.32 (mm)

Heated Purge: (Y/N) N

Instrument ID: MSVOA\_L

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 |
|-------------------|------------------|----------------|------------------|
| IA1DUP            | Q2794-01DUP      | VL042856.D     | 08/13/2025       |

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

VOLATILE METHOD BLANK SUMMARY

Client ID

VL0813ABL01

Lab Name: Alliance

Contract: GFEL01

Lab Code: ACE

SDG NO.: Q2794

Lab File ID: VL042850.D

Lab Sample ID: VL0813ABL01

Date Analyzed: 08/13/2025

Time Analyzed: 13:46

GC Column: RTX-1 ID: 0.32 (mm)

Heated Purge: (Y/N) N

Instrument ID: MSVOA\_L

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 |
|-------------------|------------------|----------------|------------------|
| VL0813ABS01       | VL0813ABS01      | VL042851.D     | 08/13/2025       |
| IA1               | Q2794-01         | VL042855.D     | 08/13/2025       |
| IA1DL             | Q2794-01DL       | VL042857.D     | 08/13/2025       |
| OA1               | Q2794-02         | VL042858.D     | 08/13/2025       |

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: GFEL01

Lab Code: ACE

SDG NO.: Q2794

Lab File ID: VL042841.D

BFB Injection Date: 08/13/2025

Instrument ID: MSVOA\_L

BFB Injection Time: 07:45

GC Column: RTX-1 ID: 0.32 (mm)

Heated Purge: Y/N N

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 50  | 8.0 - 40.0% of mass 95             | 20.8                 |
| 75  | 30.0 - 66.0% of mass 95            | 53.1                 |
| 95  | Base Peak, 100% relative abundance | 100                  |
| 96  | 5.0 - 9.0% of mass 95              | 6.5                  |
| 173 | Less than 2.0% of mass 174         | 0.3 ( 0.4 ) 1        |
| 174 | 50.0 - 120.0% of mass 95           | 62                   |
| 175 | 4.0 - 9.0% of mass 174             | 4.5 ( 7.3 ) 1        |
| 176 | 93.0 - 101.0% of mass 174          | 60 ( 96.7 ) 1        |
| 177 | 5.0 - 9.0% of mass 176             | 3.7 ( 6.1 ) 2        |

1-Value is % mass 174

2-Value is % mass 176

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

| CLIENT ID    | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|--------------|---------------|-------------|---------------|---------------|
| VSTDICCC010  | VSTDICCC010   | VL042842.D  | 08/13/2025    | 08:30         |
| VSTDICCC002  | VSTDICCC002   | VL042843.D  | 08/13/2025    | 09:06         |
| VSTDICCC001  | VSTDICCC001   | VL042844.D  | 08/13/2025    | 09:41         |
| VSTDICCC0.5  | VSTDICCC0.5   | VL042845.D  | 08/13/2025    | 10:17         |
| VSTDICCC0.1  | VSTDICCC0.1   | VL042846.D  | 08/13/2025    | 10:53         |
| VSTDICCC0.03 | VSTDICCC0.03  | VL042847.D  | 08/13/2025    | 11:30         |
| VSTDICCC015  | VSTDICCC015   | VL042848.D  | 08/13/2025    | 12:06         |
| VL0813ABL01  | VL0813ABL01   | VL042850.D  | 08/13/2025    | 13:46         |
| VL0813ABS01  | VL0813ABS01   | VL042851.D  | 08/13/2025    | 14:32         |
| IA1          | Q2794-01      | VL042855.D  | 08/13/2025    | 17:05         |
| IA1DUP       | Q2794-01DUP   | VL042856.D  | 08/13/2025    | 17:43         |
| IA1DL        | Q2794-01DL    | VL042857.D  | 08/13/2025    | 18:21         |
| OA1          | Q2794-02      | VL042858.D  | 08/13/2025    | 18:58         |

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

|                |                   |                |                   |
|----------------|-------------------|----------------|-------------------|
| Lab Name:      | <u>Alliance</u>   | Contract:      | <u>GFEL01</u>     |
| Lab Code:      | <u>ACE</u>        | SDG NO.:       | <u>Q2794</u>      |
| Lab File ID:   | <u>VL042842.D</u> | Date Analyzed: | <u>08/13/2025</u> |
| Instrument ID: | <u>MSVOA_L</u>    | Time Analyzed: | <u>08:30</u>      |
| GC Column:     | <u>RTX-1</u>      | ID:            | <u>0.32</u> (mm)  |
|                |                   | Heated Purge:  | (Y/N) <u>N</u>    |

|                | IS1<br>AREA # | RT # | IS2<br>AREA # | RT # | IS3<br>AREA # | RT # |
|----------------|---------------|------|---------------|------|---------------|------|
| 12 HOUR STD    | 133104        | 2.79 | 413632        | 3.97 | 370372        | 8.89 |
| UPPER LIMIT    | 186346        | 3.12 | 579085        | 4.30 | 518521        | 9.22 |
| LOWER LIMIT    | 79862.4       | 2.46 | 248179        | 3.64 | 222223        | 8.56 |
| EPA SAMPLE NO. |               |      |               |      |               |      |
| IA1            | 130086        | 2.80 | 394015        | 3.97 | 342698        | 8.89 |
| IA1DL          | 132826        | 2.80 | 406342        | 3.98 | 347245        | 8.90 |
| IA1DUP         | 128396        | 2.79 | 393431        | 3.97 | 334635        | 8.90 |
| OA1            | 131022        | 2.79 | 395826        | 3.97 | 339500        | 8.89 |
| VL0813ABL01    | 119946        | 2.79 | 373094        | 3.97 | 324853        | 8.89 |
| VL0813ABS01    | 116881        | 2.79 | 368200        | 3.97 | 322291        | 8.90 |

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

AREA UPPER LIMIT = +40% of internal standard area  
AREA LOWER LIMIT = -40% of internal standard area  
RT UPPER LIMIT = +0.33 minutes of internal standard RT  
RT LOWER LIMIT = -0.33 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: GFEL01  
 Lab Code: ACE SDG NO.: Q2794  
 Lab File ID: VL042842.D Date Analyzed: 08/13/2025  
 Instrument ID: MSVOA\_L Time Analyzed: 08:30  
 GC Column: RTX-1 ID: 0.32 (mm) Heated Purge: (Y/N) N

|                | IS4<br>AREA # | RT # |  |  |  |  |
|----------------|---------------|------|--|--|--|--|
| 12 HOUR STD    | 0             | 0    |  |  |  |  |
| UPPER LIMIT    | 0             |      |  |  |  |  |
| LOWER LIMIT    | 0             |      |  |  |  |  |
| EPA SAMPLE NO. |               |      |  |  |  |  |
| IA1            | 0             | 0.00 |  |  |  |  |
| IA1DL          | 0             | 0.00 |  |  |  |  |
| IA1DUP         | 0             | 0.00 |  |  |  |  |
| OA1            | 0             | 0.00 |  |  |  |  |
| VL0813ABL01    | 0             | 0.00 |  |  |  |  |
| VL0813ABS01    | 0             | 0.00 |  |  |  |  |

IS4 =

AREA UPPER LIMIT = +40% of internal standard area

AREA LOWER LIMIT = -40% of internal standard area

RT UPPER LIMIT = +0.33 minutes of internal standard RT

RT LOWER LIMIT = -0.33 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:            | GFE LLC                     | Date Collected: | 08/07/25 |
| Project:           | 233 FLORIDA ST ELIZABETH NJ | Date Received:  | 08/07/25 |
| Client Sample ID:  | IA1                         | SDG No.:        | Q2794    |
| Lab Sample ID:     | Q2794-01                    | Matrix:         | Air      |
| Analytical Method: | TO-15                       | Test:           | TO-15    |
| Sample Wt/Vol:     | 400                         | Units:          | mL       |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VL042855.D        | 1         |           | 08/13/25 17:05 | VL081325      |

| CAS Number     | Parameter                      | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | MDL   | LOQ / CRQL | Units |
|----------------|--------------------------------|---------------|----------------|-----------|-------|------------|-------|
| <b>TARGETS</b> |                                |               |                |           |       |            |       |
| 75-71-8        | Dichlorodifluoromethane        | 0.44          | 2.18           | J         | 0.54  | 2.47       | ug/m3 |
| 74-87-3        | Chloromethane                  | 0.56          | 1.16           |           | 0.21  | 1.03       | ug/m3 |
| 75-01-4        | Vinyl Chloride                 | 0.030         | 0.080          | U         | 0.080 | 0.080      | ug/m3 |
| 74-83-9        | Bromomethane                   | 0.080         | 0.31           | U         | 0.31  | 1.94       | ug/m3 |
| 75-00-3        | Chloroethane                   | 0.15          | 0.40           | U         | 0.40  | 1.32       | ug/m3 |
| 109-99-9       | Tetrahydrofuran                | 0.080         | 0.24           | U         | 0.24  | 1.47       | ug/m3 |
| 75-69-4        | Trichlorofluoromethane         | 0.21          | 1.18           | J         | 0.96  | 2.81       | ug/m3 |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 0.14          | 1.07           | U         | 1.07  | 3.83       | ug/m3 |
| 76-14-2        | Dichlorotetrafluoroethane      | 0.15          | 1.05           | U         | 1.05  | 3.49       | ug/m3 |
| 75-65-0        | tert-Butyl alcohol             | 0.24          | 0.73           | J         | 0.49  | 1.52       | ug/m3 |
| 142-82-5       | Heptane                        | 1.60          | 6.56           |           | 0.70  | 2.05       | ug/m3 |
| 75-35-4        | 1,1-Dichloroethene             | 0.15          | 0.59           | U         | 0.59  | 1.98       | ug/m3 |
| 67-64-1        | Acetone                        | 32.1          | 76.3           | E         | 0.43  | 1.19       | ug/m3 |
| 75-15-0        | Carbon Disulfide               | 0.080         | 0.25           | U         | 0.25  | 1.56       | ug/m3 |
| 1634-04-4      | Methyl tert-Butyl Ether        | 0.23          | 0.83           | U         | 0.83  | 1.80       | ug/m3 |
| 75-09-2        | Methylene Chloride             | 0.96          | 3.34           |           | 0.80  | 1.74       | ug/m3 |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.12          | 0.48           | U         | 0.48  | 1.98       | ug/m3 |
| 75-34-3        | 1,1-Dichloroethane             | 0.13          | 0.53           | U         | 0.53  | 2.02       | ug/m3 |
| 110-82-7       | Cyclohexane                    | 1.00          | 3.44           |           | 0.76  | 1.72       | ug/m3 |
| 78-93-3        | 2-Butanone                     | 0.92          | 2.71           |           | 0.18  | 1.47       | ug/m3 |
| 56-23-5        | Carbon Tetrachloride           | 0.070         | 0.44           |           | 0.19  | 0.19       | ug/m3 |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.10          | 0.40           | U         | 0.40  | 1.98       | ug/m3 |
| 67-66-3        | Chloroform                     | 0.29          | 1.42           | J         | 0.49  | 2.44       | ug/m3 |
| 71-55-6        | 1,1,1-Trichloroethane          | 0.020         | 0.11           | U         | 0.11  | 0.16       | ug/m3 |
| 540-84-1       | 2,2,4-Trimethylpentane         | 2.30          | 10.7           |           | 0.65  | 2.34       | ug/m3 |
| 71-43-2        | Benzene                        | 1.20          | 3.83           |           | 0.26  | 1.60       | ug/m3 |
| 107-06-2       | 1,2-Dichloroethane             | 0.090         | 0.36           | U         | 0.36  | 2.02       | ug/m3 |
| 79-01-6        | Trichloroethene                | 0.020         | 0.11           | U         | 0.11  | 0.16       | ug/m3 |
| 78-87-5        | 1,2-Dichloropropane            | 0.13          | 0.60           | U         | 0.60  | 2.31       | ug/m3 |
| 75-27-4        | Bromodichloromethane           | 0.060         | 0.40           | U         | 0.40  | 3.35       | ug/m3 |
| 108-10-1       | 4-Methyl-2-Pentanone           | 0.20          | 0.82           | J         | 0.41  | 2.05       | ug/m3 |
| 108-88-3       | Toluene                        | 10.9          | 41.1           |           | 0.60  | 1.88       | ug/m3 |
| 10061-02-6     | t-1,3-Dichloropropene          | 0.15          | 0.68           | U         | 0.68  | 2.27       | ug/m3 |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.11          | 0.50           | U         | 0.50  | 2.27       | ug/m3 |
| 79-00-5        | 1,1,2-Trichloroethane          | 0.080         | 0.44           | U         | 0.44  | 2.73       | ug/m3 |

## Report of Analysis

|                    |                             |                 |          |
|--------------------|-----------------------------|-----------------|----------|
| Client:            | GFE LLC                     | Date Collected: | 08/07/25 |
| Project:           | 233 FLORIDA ST ELIZABETH NJ | Date Received:  | 08/07/25 |
| Client Sample ID:  | IA1                         | SDG No.:        | Q2794    |
| Lab Sample ID:     | Q2794-01                    | Matrix:         | Air      |
| Analytical Method: | TO-15                       | Test:           | TO-15    |
| Sample Wt/Vol:     | 400                         | Units:          | mL       |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VL042855.D        | 1         |           | 08/13/25 17:05 | VL081325      |

| CAS Number                | Parameter                 | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | MDL      | LOQ / CRQL | Units   |
|---------------------------|---------------------------|---------------|----------------|-----------|----------|------------|---------|
| 124-48-1                  | Dibromochloromethane      | 0.090         | 0.77           | U         | 0.77     | 4.26       | ug/m3   |
| 106-93-4                  | 1,2-Dibromoethane         | 0.090         | 0.69           | U         | 0.69     | 0.77       | ug/m3   |
| 127-18-4                  | Tetrachloroethene         | 0.050         | 0.34           |           | 0.14     | 0.20       | ug/m3   |
| 108-90-7                  | Chlorobenzene             | 0.080         | 0.37           | U         | 0.37     | 2.30       | ug/m3   |
| 100-41-4                  | Ethyl Benzene             | 1.60          | 6.95           |           | 0.83     | 2.17       | ug/m3   |
| 179601-23-1               | m/p-Xylene                | 5.20          | 22.6           |           | 1.78     | 4.34       | ug/m3   |
| 95-47-6                   | o-Xylene                  | 2.00          | 8.69           |           | 0.91     | 2.17       | ug/m3   |
| 100-42-5                  | Styrene                   | 0.17          | 0.72           | J         | 0.68     | 2.13       | ug/m3   |
| 75-25-2                   | Bromoform                 | 0.050         | 0.52           | U         | 0.52     | 5.17       | ug/m3   |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane | 0.020         | 0.14           | U         | 0.14     | 0.21       | ug/m3   |
| 95-49-8                   | 2-Chlorotoluene           | 0.17          | 0.88           | U         | 0.88     | 2.59       | ug/m3   |
| 108-67-8                  | 1,3,5-Trimethylbenzene    | 0.48          | 2.36           | J         | 0.88     | 2.46       | ug/m3   |
| 95-63-6                   | 1,2,4-Trimethylbenzene    | 1.90          | 9.34           |           | 0.88     | 2.46       | ug/m3   |
| 541-73-1                  | 1,3-Dichlorobenzene       | 0.050         | 0.30           | U         | 0.30     | 3.01       | ug/m3   |
| 106-46-7                  | 1,4-Dichlorobenzene       | 0.15          | 0.90           | J         | 0.78     | 3.01       | ug/m3   |
| 95-50-1                   | 1,2-Dichlorobenzene       | 0.13          | 0.78           | U         | 0.78     | 3.01       | ug/m3   |
| 120-82-1                  | 1,2,4-Trichlorobenzene    | 0.21          | 1.56           | U         | 1.56     | 3.71       | ug/m3   |
| 87-68-3                   | Hexachloro-1,3-Butadiene  | 0.13          | 1.39           | U         | 1.39     | 5.33       | ug/m3   |
| 106-99-0                  | 1,3-Butadiene             | 0.050         | 0.11           | U         | 0.11     | 1.11       | ug/m3   |
| 91-20-3                   | Naphthalene               | 1.00          | 5.24           |           | 0.050    | 0.52       | ug/m3   |
| 622-96-8                  | 4-Ethyltoluene            | 0.54          | 2.65           |           | 1.03     | 2.46       | ug/m3   |
| 110-54-3                  | Hexane                    | 2.30          | 8.11           |           | 0.56     | 1.76       | ug/m3   |
| 107-05-1                  | Allyl Chloride            | 0.11          | 0.34           | U         | 0.34     | 1.57       | ug/m3   |
| 123-91-1                  | 1,4-Dioxane               | 0.22          | 0.79           | U         | 0.79     | 1.80       | ug/m3   |
| 80-62-6                   | Methyl Methacrylate       | 0.57          | 2.33           |           | 0.57     | 2.05       | ug/m3   |
| <b>SURROGATES</b>         |                           |               |                |           |          |            |         |
| 460-00-4                  | 1-Bromo-4-Fluorobenzene   | 10.1          |                |           | 65 - 135 | 101%       | SPK: 10 |
| <b>INTERNAL STANDARDS</b> |                           |               |                |           |          |            |         |
| 74-97-5                   | Bromochloromethane        | 130000        |                | 2.797     |          |            |         |
| 540-36-3                  | 1,4-Difluorobenzene       | 394000        |                | 3.971     |          |            |         |
| 3114-55-4                 | Chlorobenzene-d5          | 343000        |                | 8.894     |          |            |         |

## Report of Analysis

|                    |                             |                 |          |
|--------------------|-----------------------------|-----------------|----------|
| Client:            | GFE LLC                     | Date Collected: | 08/07/25 |
| Project:           | 233 FLORIDA ST ELIZABETH NJ | Date Received:  | 08/07/25 |
| Client Sample ID:  | IA1                         | SDG No.:        | Q2794    |
| Lab Sample ID:     | Q2794-01                    | Matrix:         | Air      |
| Analytical Method: | TO-15                       | Test:           | TO-15    |
| Sample Wt/Vol:     | 400                         | Units:          | mL       |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VL042855.D        | 1         |           | 08/13/25 17:05 | VL081325      |

| CAS Number | Parameter | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | MDL | LOQ / CRQL | Units |
|------------|-----------|---------------|----------------|-----------|-----|------------|-------|
|------------|-----------|---------------|----------------|-----------|-----|------------|-------|

U = Not Detected  
 RL = Reporting Limit  
 MDL = Method Detection Limit  
 E = Value Exceeds Calibration Range  
 D = Dilution

J = Estimated Value  
 B = Analyte Found in Associated Method Blank  
 N = Presumptive Evidence of a Compound  
 \* = Values outside of QC limits  
 Q = indicates LCS control criteria did not meet requirements

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL081325\  
 Data File : VL042855.D  
 Acq On : 13 Aug 2025 17:05  
 Operator : SY/MD  
 Sample : Q2794-01  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 IA1

Quant Time: Aug 14 02:18:36 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL081325AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Thu Aug 14 02:12:54 2025  
 Response via : Initial Calibration

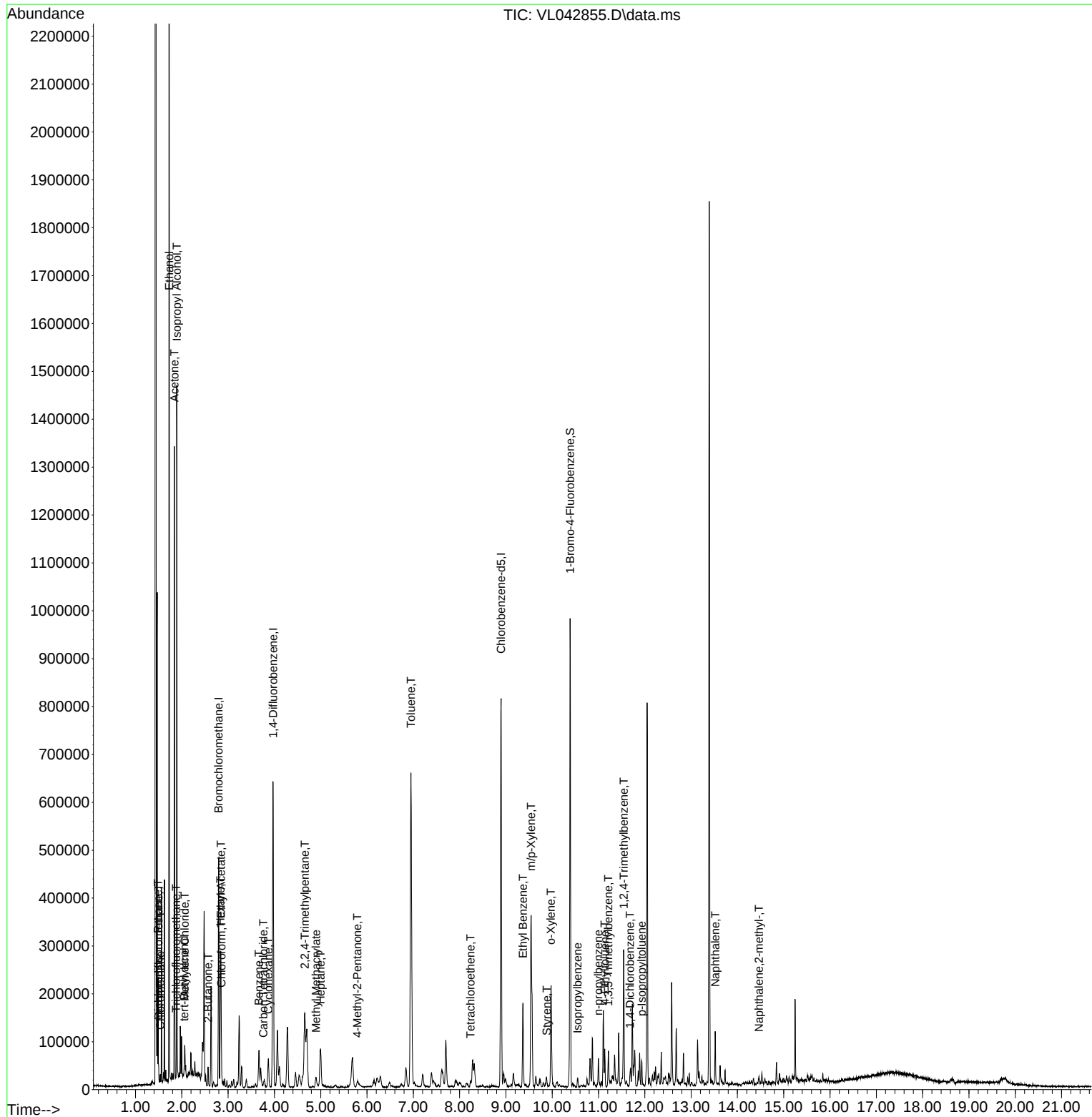
| Compound                    | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|-----------|-------|----------|----------|------------|----------|
| -----                       |           |       |          |          |            |          |
| Internal Standards          |           |       |          |          |            |          |
| 1) Bromochloromethane       | 2.797     | 49    | 130086   | 10.000   | ppbv       | 0.00     |
| 33) 1,4-Difluorobenzene     | 3.971     | 114   | 394015   | 10.000   | ppbv       | 0.00     |
| 55) Chlorobenzene-d5        | 8.894     | 117   | 342698   | 10.000   | ppbv       | 0.00     |
| System Monitoring Compounds |           |       |          |          |            |          |
| 68) 1-Bromo-4-Fluorobenzene | 10.387    | 95    | 259097   | 10.081   | ppbv       | 0.00     |
| Spiked Amount               | 10.000    | Range | 65 - 135 | Recovery | = 100.800% |          |
| Target Compounds            |           |       |          |          |            |          |
|                             |           |       |          |          | Qvalue     |          |
| 2) Dichlorodifluoromethane  | 1.499     | 85    | 8432     | 0.442    | ppbv       | 98       |
| 4) Chloromethane            | 1.534     | 50    | 4329     | 0.563    | ppbv       | 97       |
| 9) Propene                  | 1.489     | 41    | 16679m   | 1.833    | ppbv       |          |
| 10) Heptane                 | 4.997     | 43    | 38989m   | 1.600    | ppbv       |          |
| 11) Trichlorofluoromethane  | 1.881     | 101   | 3908     | 0.208    | ppbv #     | 81       |
| 13) Ethanol                 | 1.728     | 45    | 1138122  | 1367.693 | ppbv       | 94       |
| 15) Acetone                 | 1.839     | 43    | 551685   | 32.060   | ppbv       | 100      |
| 17) tert-Butyl alcohol      | 2.052     | 59    | 4973m    | 0.244    | ppbv       |          |
| 19) Isopropyl Alcohol       | 1.890     | 45    | 614099   | 59.749   | ppbv #     | 75       |
| 20) Methylene Chloride      | 2.065     | 84    | 6907     | 0.958    | ppbv       | 91       |
| 25) Ethyl Acetate           | 2.845     | 43    | 163265m  | 3.920    | ppbv       |          |
| 26) Hexane                  | 2.835     | 57    | 44914    | 2.336    | ppbv #     | 37       |
| 29) Chloroform              | 2.855     | 83    | 7860     | 0.286    | ppbv #     | 82       |
| 30) Cyclohexane             | 3.868     | 84    | 17522    | 1.040    | ppbv       | 97       |
| 34) 2-Butanone              | 2.567     | 43    | 24547    | 0.923    | ppbv       | 98       |
| 35) Carbon Tetrachloride    | 3.764     | 117   | 1884m    | 0.069    | ppbv       |          |
| 36) Benzene                 | 3.667     | 78    | 46541    | 1.234    | ppbv       | 95       |
| 43) Methyl Methacrylate     | 4.900     | 69    | 8920m    | 0.574    | ppbv       |          |
| 44) 2,2,4-Trimethylpentane  | 4.658     | 57    | 144106   | 2.250    | ppbv #     | 89       |
| 50) 4-Methyl-2-Pentanone    | 5.787     | 43    | 7171m    | 0.199    | ppbv       |          |
| 52) Tetrachloroethene       | 8.237     | 164   | 700m     | 0.051    | ppbv       |          |
| 53) Toluene                 | 6.949     | 91    | 490532   | 10.936   | ppbv       | 98       |
| 58) Ethyl Benzene           | 9.367     | 91    | 98450    | 1.628    | ppbv       | 100      |
| 59) m/p-Xylene              | 9.542     | 91    | 247723   | 5.226    | ppbv #     | 100      |
| 60) o-Xylene                | 9.972     | 91    | 96410    | 2.022    | ppbv       | 100      |
| 61) Styrene                 | 9.885     | 104   | 3722     | 0.167    | ppbv #     | 91       |
| 62) Isopropylbenzene        | 10.548    | 105   | 8044     | 0.115    | ppbv       | 97       |
| 64) n-propylbenzene         | 10.995    | 120   | 6276     | 0.353    | ppbv       | 96       |
| 69) p-Isopropyltoluene      | 11.934    | 119   | 18753    | 0.253    | ppbv       | 96       |
| 72) 4-Ethyltoluene          | 11.134    | 105   | 31067    | 0.537    | ppbv #     | 56       |
| 73) 1,3,5-Trimethylbenzene  | 11.212    | 105   | 23528    | 0.479    | ppbv       | 97       |
| 74) 1,2,4-Trimethylbenzene  | 11.545    | 105   | 99976    | 1.853    | ppbv #     | 57       |
| 76) 1,4-Dichlorobenzene     | 11.681    | 146   | 4557     | 0.147    | ppbv       | 88       |
| 79) Naphthalene             | 13.520    | 128   | 49732    | 1.017    | ppbv       | 98       |
| 80) Naphthalene,2-methyl-   | 14.465    | 142   | 3925     | 0.215    | ppbv       | 96       |
| -----                       |           |       |          |          |            |          |

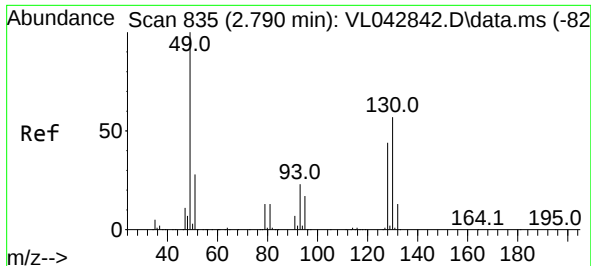
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VL042855.D  
Acq On : 13 Aug 2025 17:05  
Operator : SY/MD  
Sample : Q2794-01  
Misc : 400mL/MSVOA\_L  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :  
IA1

Quant Time: Aug 14 02:18:36 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL081325AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
QLast Update : Thu Aug 14 02:12:54 2025  
Response via : Initial Calibration

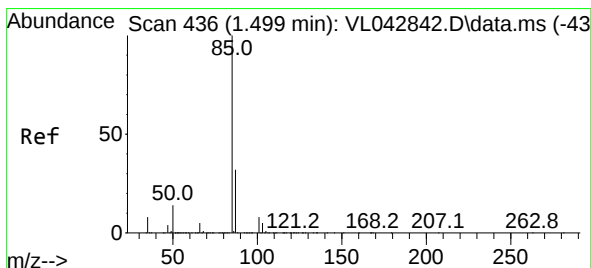
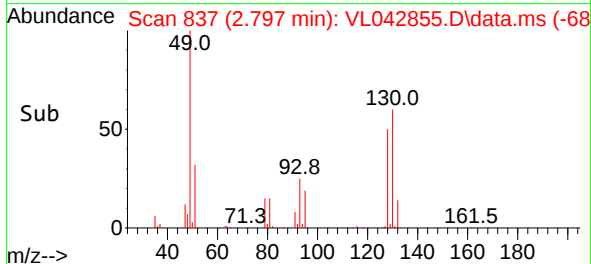
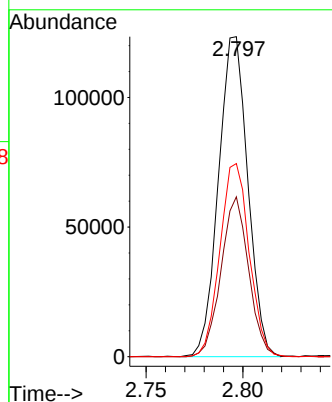
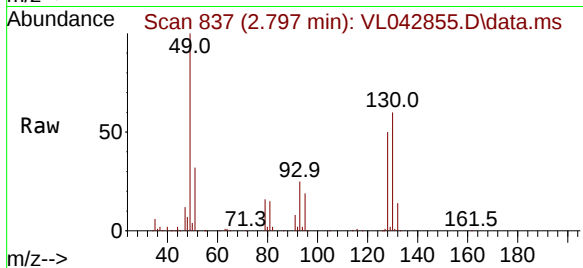




#1  
 Bromochloromethane  
 Concen: 10.000 ppbv  
 RT: 2.797 min Scan# 835  
 Delta R.T. 0.007 min  
 Lab File: VL042855.D  
 Acq: 13 Aug 2025 17:05

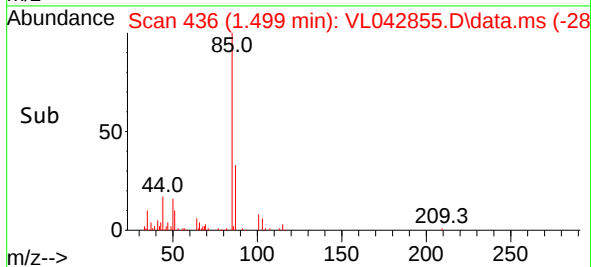
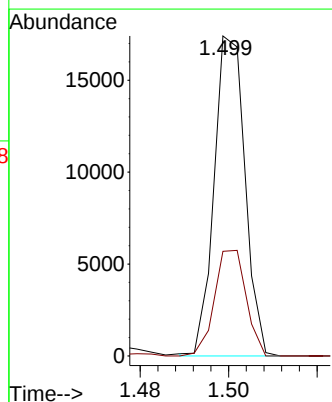
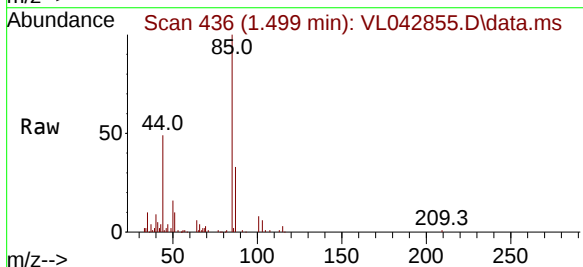
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
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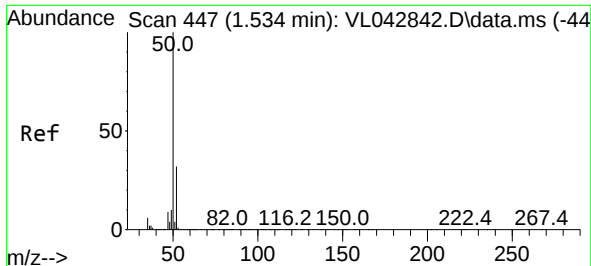
Tgt Ion: 49 Resp: 130086  
 Ion Ratio Lower Upper  
 49 100  
 128 47.0 23.7 71.1  
 130 60.2 30.6 91.6



#2  
 Dichlorodifluoromethane  
 Concen: 0.442 ppbv  
 RT: 1.499 min Scan# 436  
 Delta R.T. -0.000 min  
 Lab File: VL042855.D  
 Acq: 13 Aug 2025 17:05

Tgt Ion: 85 Resp: 8432  
 Ion Ratio Lower Upper  
 85 100  
 87 32.7 25.3 37.9

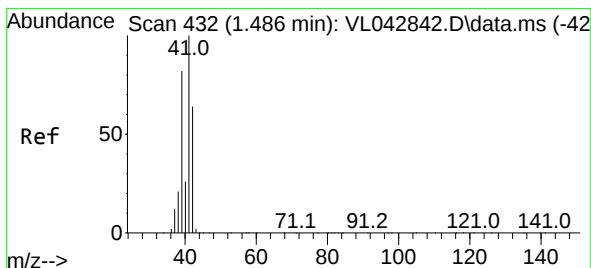
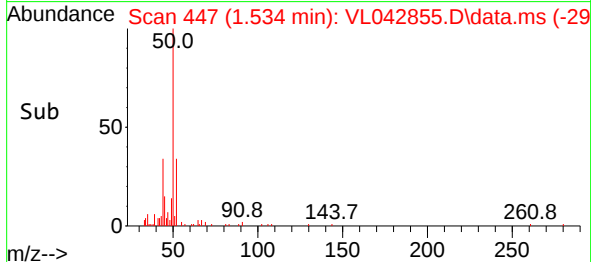
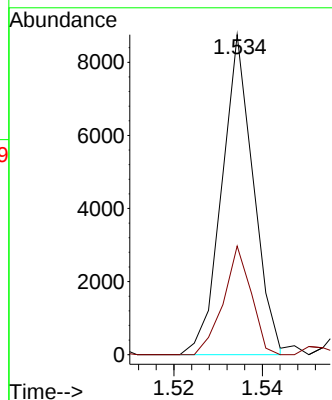
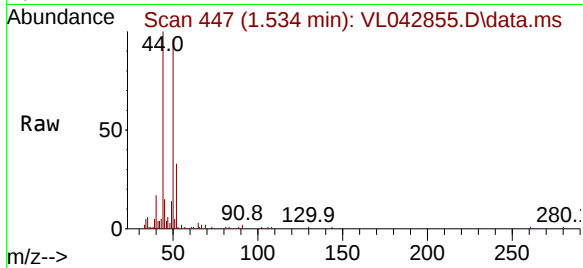




#4  
Chloromethane  
Concen: 0.563 ppbv  
RT: 1.534 min Scan# 447  
Delta R.T. -0.000 min  
Lab File: VL042855.D  
Acq: 13 Aug 2025 17:05

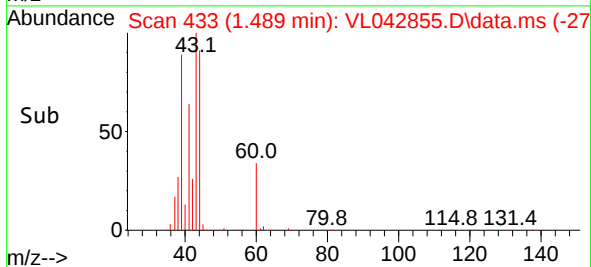
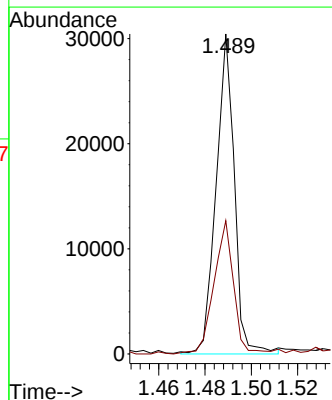
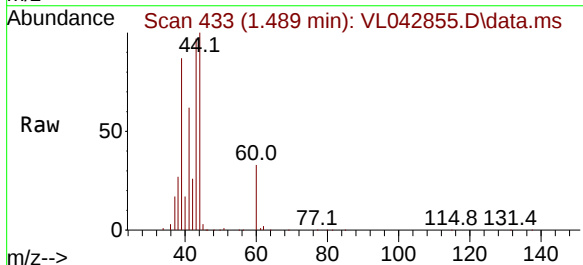
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ClientSampleId :  
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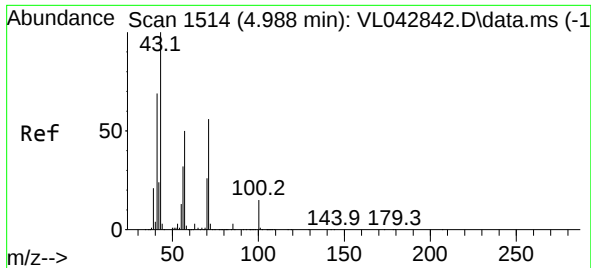
Tgt Ion: 50 Resp: 4329  
Ion Ratio Lower Upper  
50 100  
52 33.9 25.9 38.9



#9  
Propene  
Concen: 1.833 ppbv m  
RT: 1.489 min Scan# 433  
Delta R.T. 0.003 min  
Lab File: VL042855.D  
Acq: 13 Aug 2025 17:05

Tgt Ion: 41 Resp: 16679  
Ion Ratio Lower Upper  
41 100  
42 188.1 53.0 79.4#

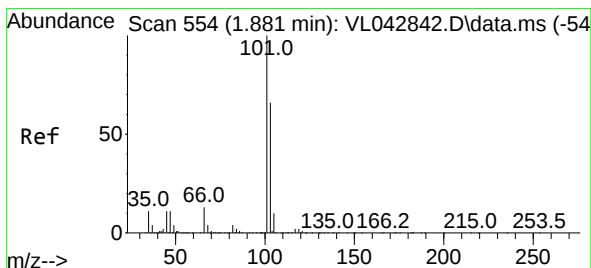
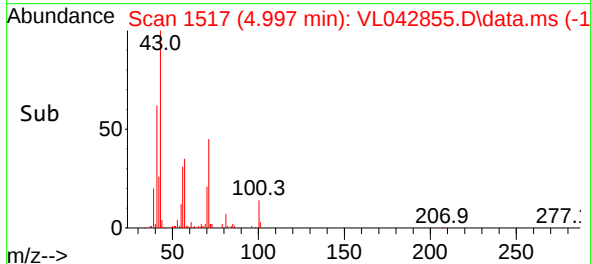
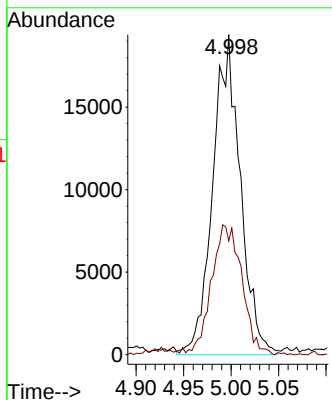
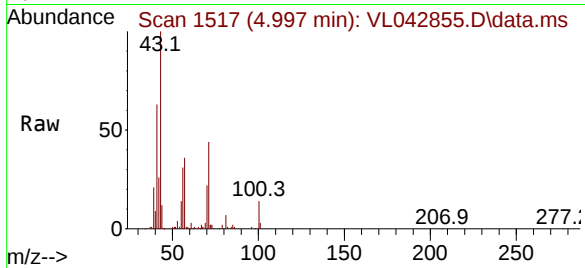




#10  
Heptane  
Concen: 1.600 ppbv m  
RT: 4.997 min Scan# 1517  
Delta R.T. 0.010 min  
Lab File: VL042855.D  
Acq: 13 Aug 2025 17:05

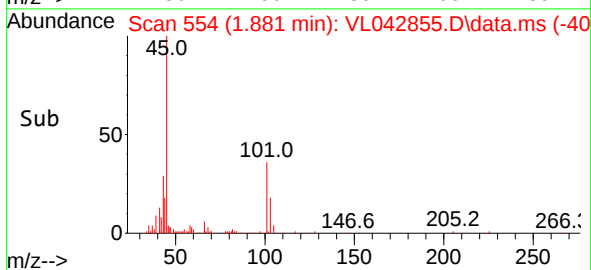
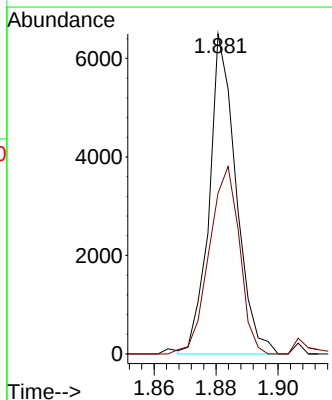
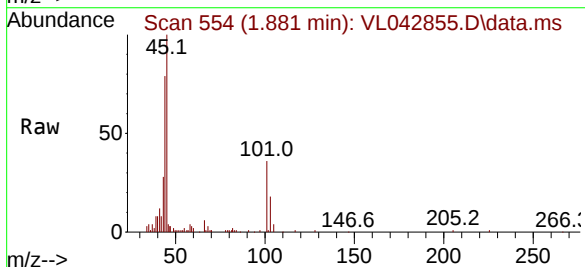
Instrument :  
MSVOA\_L  
ClientSampleId :  
IA1

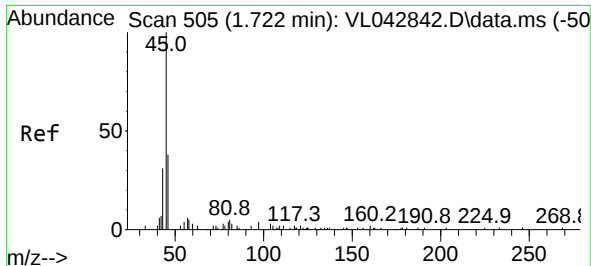
Tgt Ion: 43 Resp: 38989  
Ion Ratio Lower Upper  
43 100  
57 0.0 41.4 62.0#



#11  
Trichlorofluoromethane  
Concen: 0.208 ppbv  
RT: 1.881 min Scan# 554  
Delta R.T. -0.000 min  
Lab File: VL042855.D  
Acq: 13 Aug 2025 17:05

Tgt Ion:101 Resp: 3908  
Ion Ratio Lower Upper  
101 100  
103 50.3 52.5 78.7#

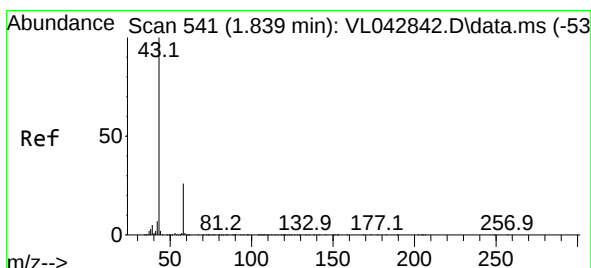
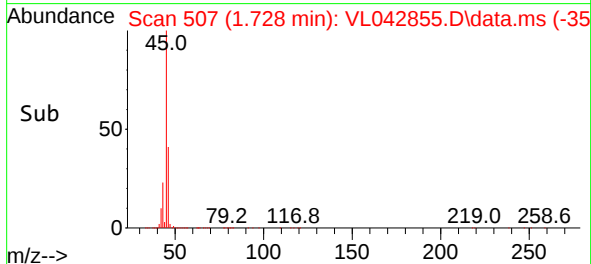
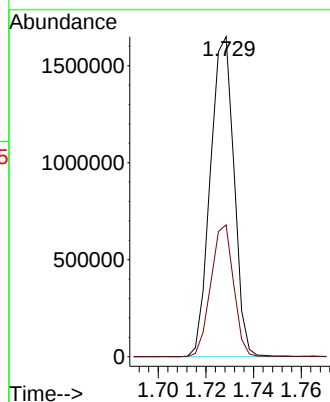
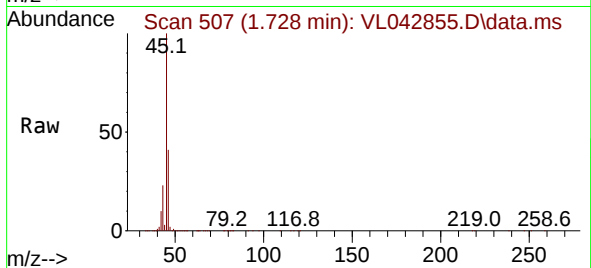




#13  
 Ethanol  
 Concen: 1367.693 ppbv  
 RT: 1.728 min Scan# 505  
 Delta R.T. 0.006 min  
 Lab File: VL042855.D  
 Acq: 13 Aug 2025 17:05

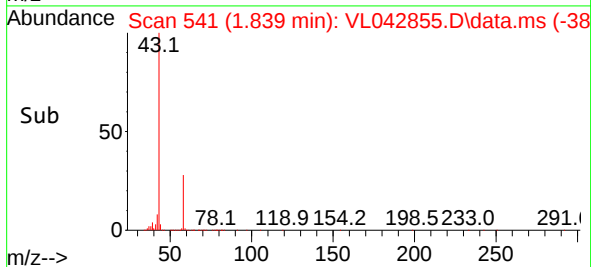
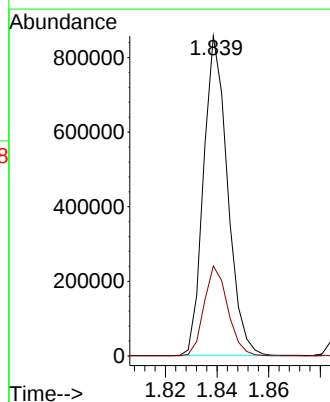
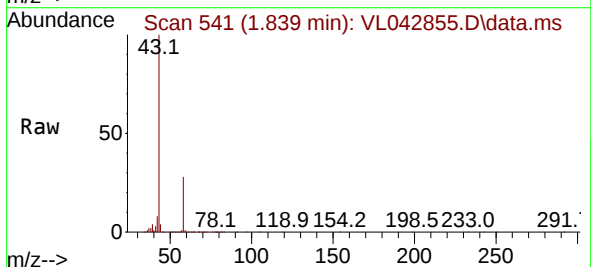
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 IA1

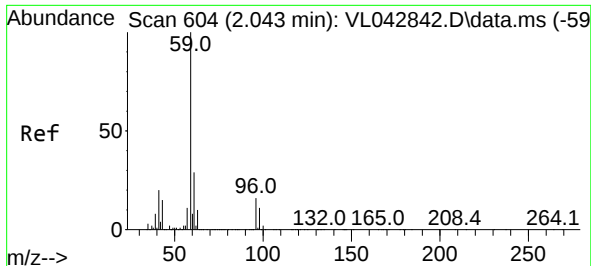
Tgt Ion: 45 Resp: 1138122  
 Ion Ratio Lower Upper  
 45 100  
 46 39.8 17.5 69.9



#15  
 Acetone  
 Concen: 32.060 ppbv  
 RT: 1.839 min Scan# 541  
 Delta R.T. -0.000 min  
 Lab File: VL042855.D  
 Acq: 13 Aug 2025 17:05

Tgt Ion: 43 Resp: 551685  
 Ion Ratio Lower Upper  
 43 100  
 58 27.9 22.4 33.6





#17

tert-Butyl alcohol

Concen: 0.244 ppbv m

RT: 2.052 min Scan# 604

Delta R.T. 0.010 min

Lab File: VL042855.D

Acq: 13 Aug 2025 17:05

Instrument :

MSVOA\_L

ClientSampleId :

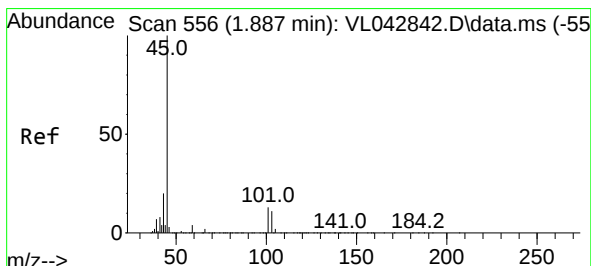
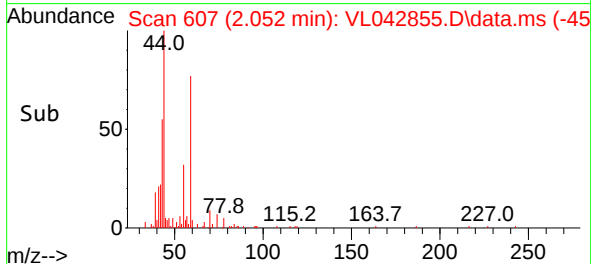
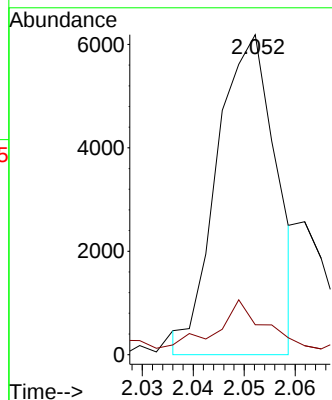
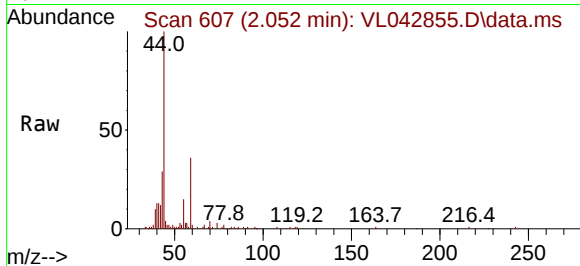
IA1

Tgt Ion: 59 Resp: 4973

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.4#



#19

Isopropyl Alcohol

Concen: 59.749 ppbv

RT: 1.890 min Scan# 557

Delta R.T. 0.003 min

Lab File: VL042855.D

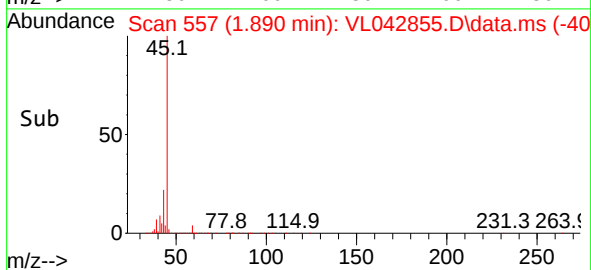
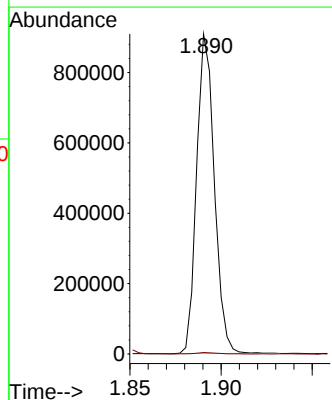
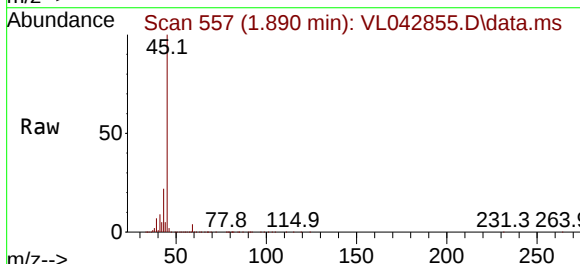
Acq: 13 Aug 2025 17:05

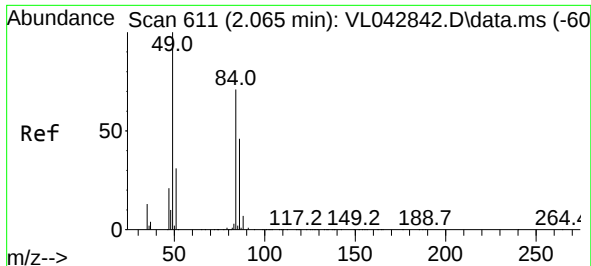
Tgt Ion: 45 Resp: 614099

Ion Ratio Lower Upper

45 100

58 25.1 32.7 49.1#



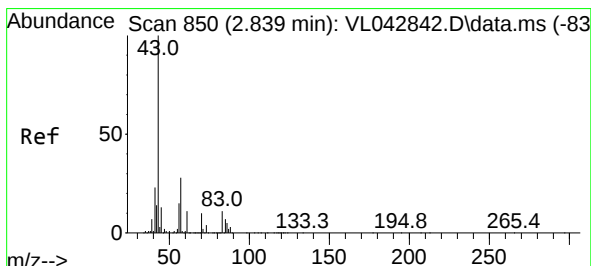
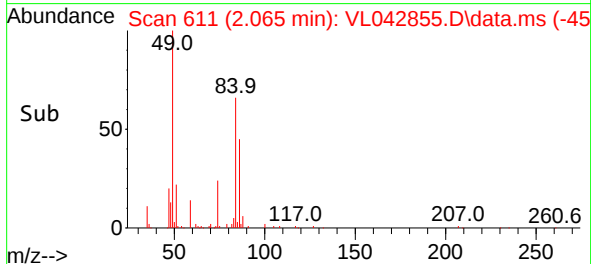
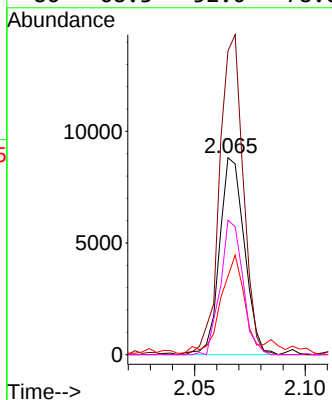
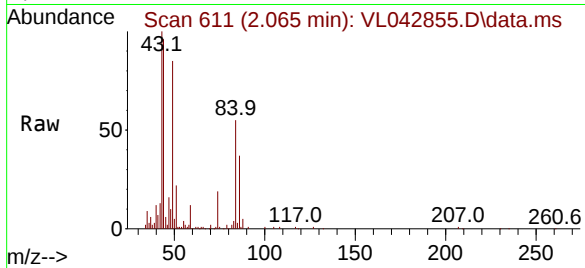


#20  
Methylene Chloride  
Concen: 0.958 ppbv  
RT: 2.065 min Scan# 611  
Delta R.T. -0.000 min  
Lab File: VL042855.D  
Acq: 13 Aug 2025 17:05

Instrument :  
MSVOA\_L  
ClientSampleId :  
IA1

Tgt Ion: 84 Resp: 6907

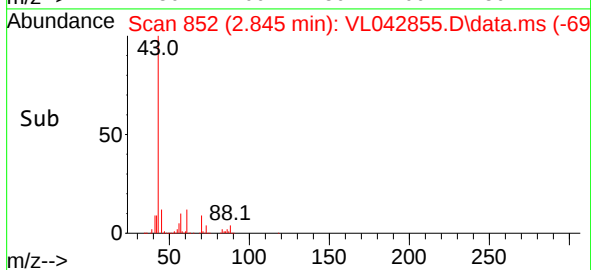
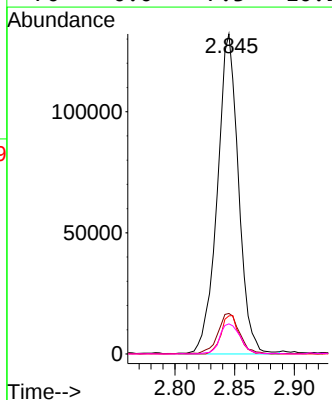
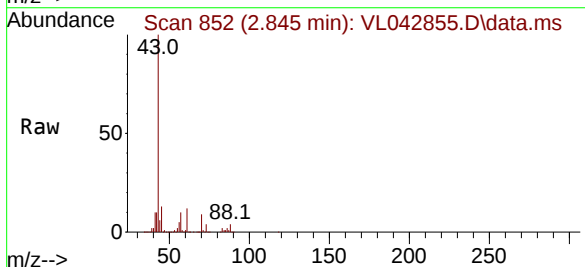
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 84  | 100   |       |       |
| 49  | 154.1 | 112.3 | 168.5 |
| 51  | 39.1  | 36.0  | 54.0  |
| 86  | 68.3  | 52.0  | 78.0  |

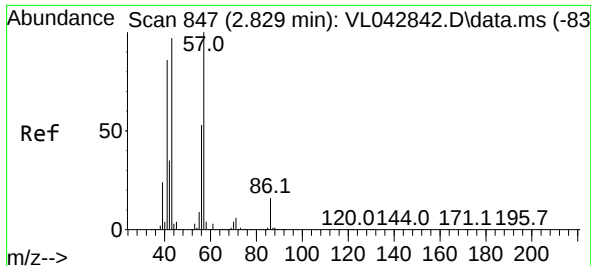


#25  
Ethyl Acetate  
Concen: 3.920 ppbv m  
RT: 2.845 min Scan# 852  
Delta R.T. 0.006 min  
Lab File: VL042855.D  
Acq: 13 Aug 2025 17:05

Tgt Ion: 43 Resp: 163265

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 45  | 0.0   | 8.1   | 12.1# |
| 61  | 0.0   | 7.4   | 11.2# |
| 70  | 0.0   | 7.3   | 10.9# |

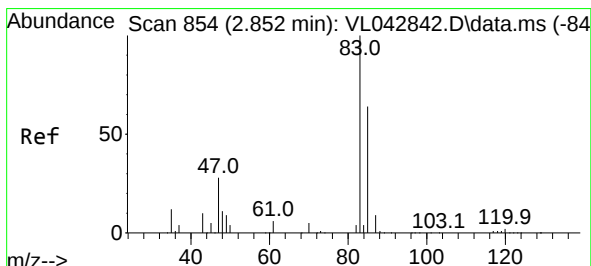
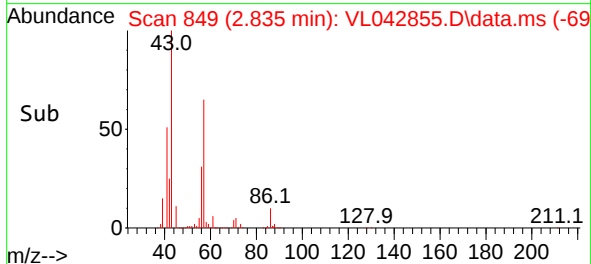
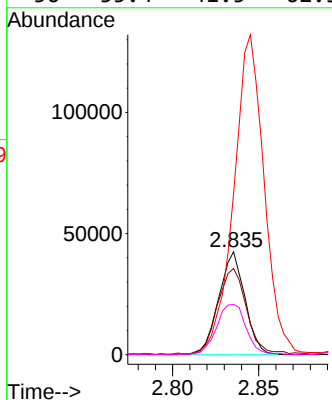
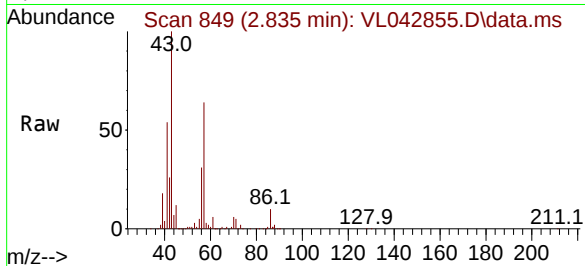




#26  
Hexane  
Concen: 2.336 ppbv  
RT: 2.835 min Scan# 847  
Delta R.T. 0.006 min  
Lab File: VL042855.D  
Acq: 13 Aug 2025 17:05

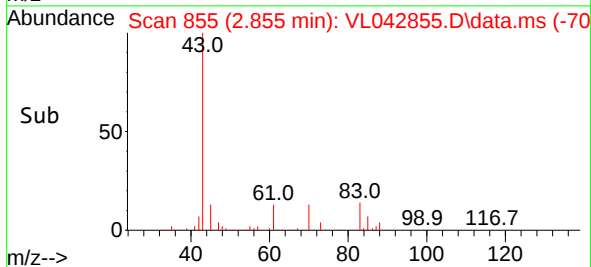
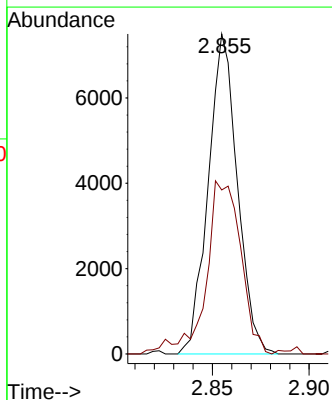
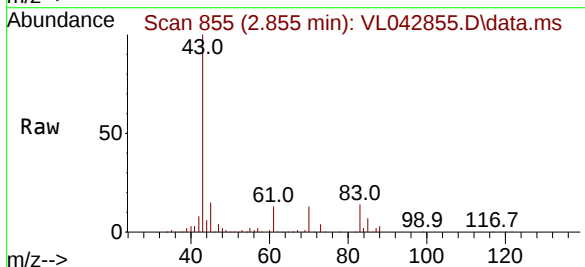
Instrument :  
MSVOA\_L  
ClientSampleId :  
IA1

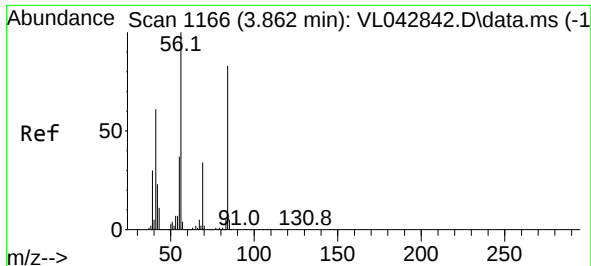
Tgt Ion: 57 Resp: 44914  
Ion Ratio Lower Upper  
57 100  
41 94.0 68.6 103.0  
43 365.3 168.5 252.7#  
56 55.4 41.5 62.3



#29  
Chloroform  
Concen: 0.286 ppbv  
RT: 2.855 min Scan# 855  
Delta R.T. 0.003 min  
Lab File: VL042855.D  
Acq: 13 Aug 2025 17:05

Tgt Ion: 83 Resp: 7860  
Ion Ratio Lower Upper  
83 100  
85 50.1 51.1 76.7#

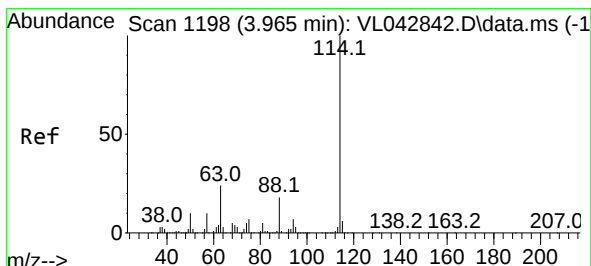
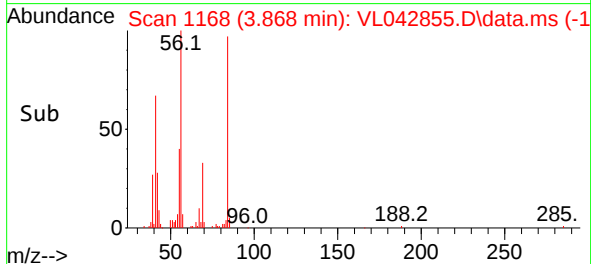
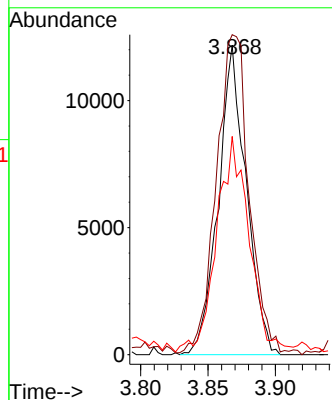
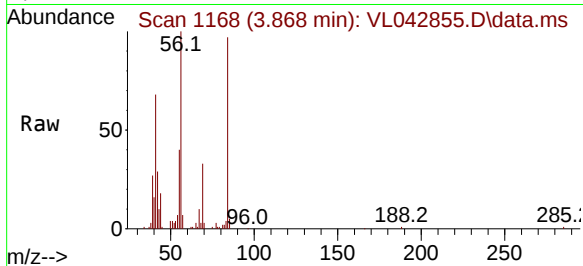




#30  
Cyclohexane  
Concen: 1.040 ppbv  
RT: 3.868 min Scan# 1166  
Delta R.T. 0.006 min  
Lab File: VL042855.D  
Acq: 13 Aug 2025 17:05

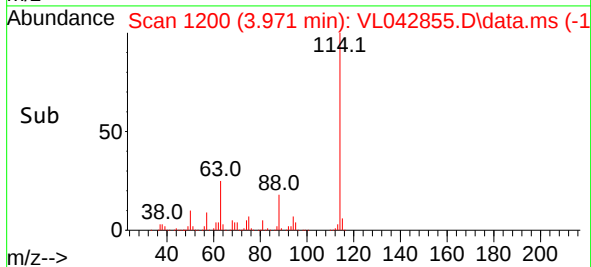
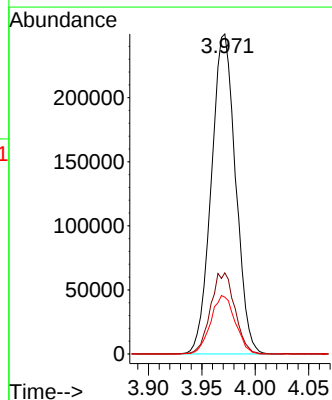
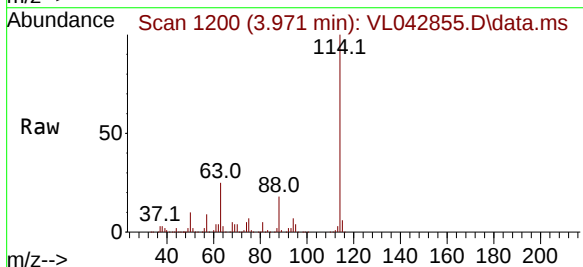
Instrument :  
MSVOA\_L  
ClientSampleId :  
IA1

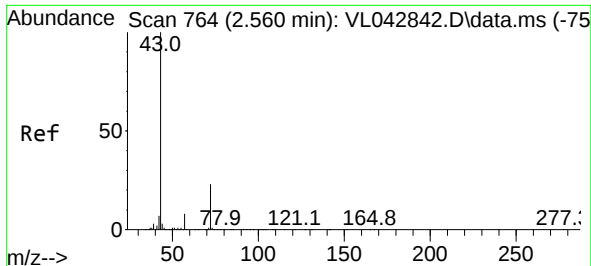
Tgt Ion: 84 Resp: 17522  
Ion Ratio Lower Upper  
84 100  
56 122.8 98.8 148.2  
41 82.2 61.3 91.9



#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 3.971 min Scan# 1200  
Delta R.T. 0.006 min  
Lab File: VL042855.D  
Acq: 13 Aug 2025 17:05

Tgt Ion: 114 Resp: 394015  
Ion Ratio Lower Upper  
114 100  
63 25.5 19.7 29.5  
88 18.5 14.4 21.6

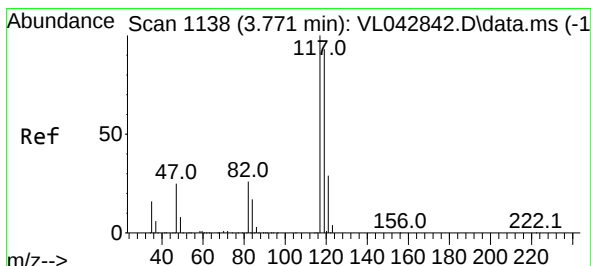
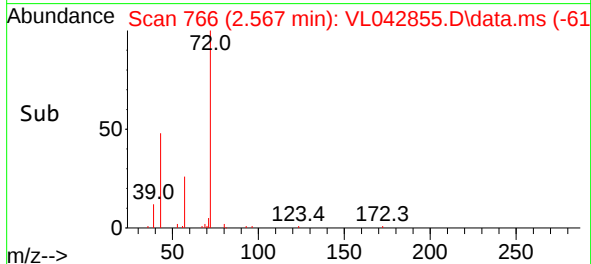
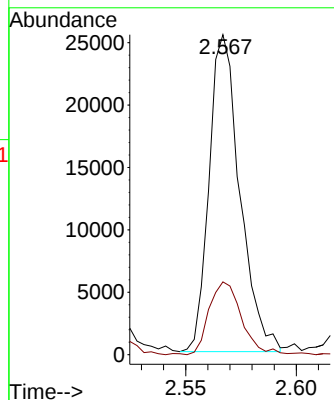
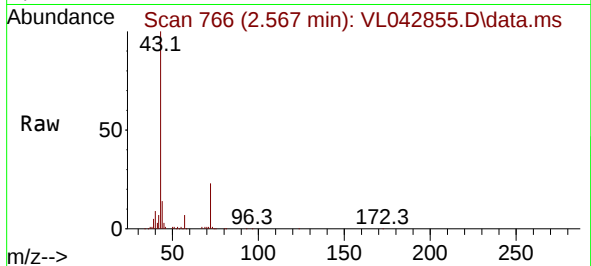




#34  
2-Butanone  
Concen: 0.923 ppbv  
RT: 2.567 min Scan# 766  
Delta R.T. 0.006 min  
Lab File: VL042855.D  
Acq: 13 Aug 2025 17:05

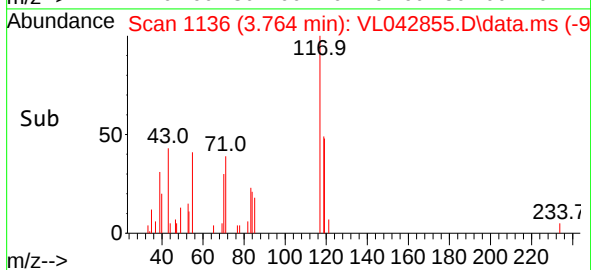
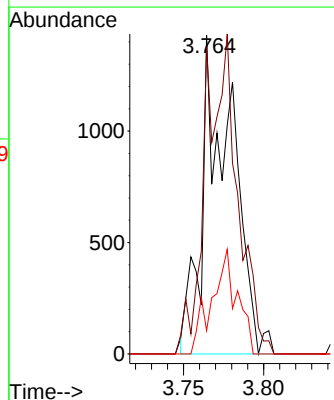
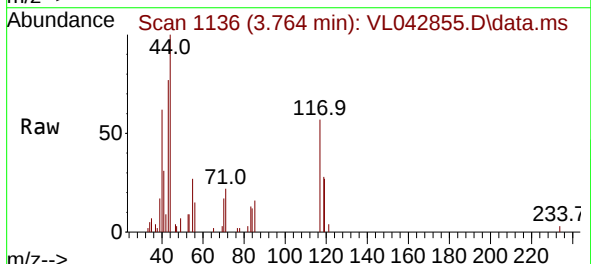
Instrument :  
MSVOA\_L  
ClientSampleId :  
IA1

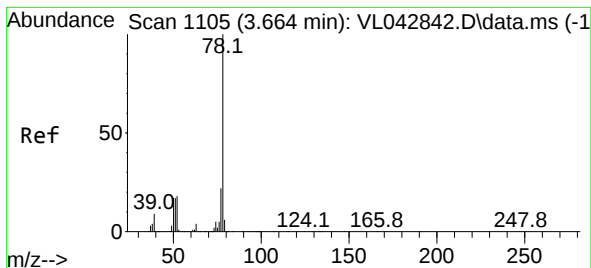
Tgt Ion: 43 Resp: 24547  
Ion Ratio Lower Upper  
43 100  
72 24.4 18.6 28.0



#35  
Carbon Tetrachloride  
Concen: 0.069 ppbv m  
RT: 3.764 min Scan# 1136  
Delta R.T. -0.007 min  
Lab File: VL042855.D  
Acq: 13 Aug 2025 17:05

Tgt Ion: 117 Resp: 1884  
Ion Ratio Lower Upper  
117 100  
119 48.7 74.7 112.1#  
121 7.3 23.2 34.8#





#36

Benzene

Concen: 1.234 ppbv

RT: 3.667 min Scan# 1106

Delta R.T. 0.003 min

Lab File: VL042855.D

Acq: 13 Aug 2025 17:05

Instrument :

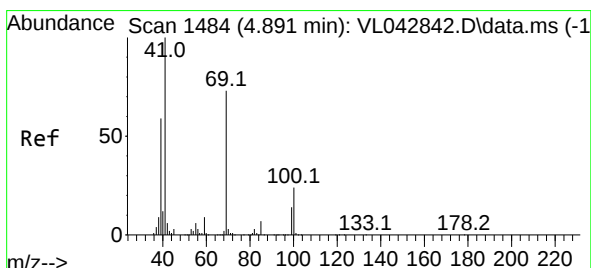
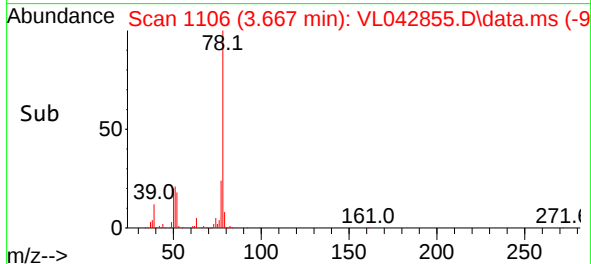
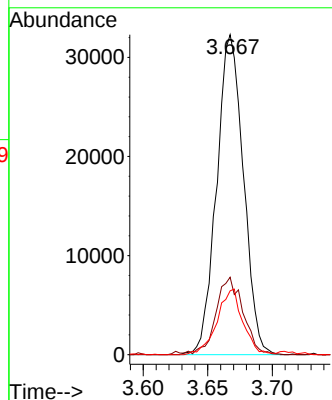
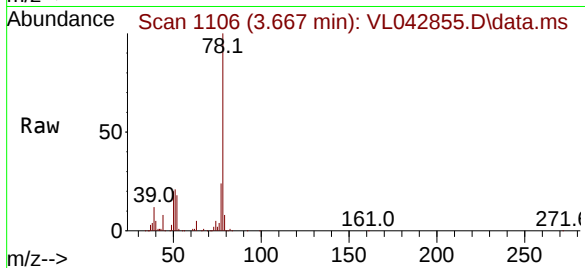
MSVOA\_L

ClientSampleId :

IA1

Tgt Ion: 78 Resp: 46541

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 78  | 100   |       |       |
| 77  | 24.0  | 17.7  | 26.5  |
| 50  | 20.0  | 13.9  | 20.9  |



#43

Methyl Methacrylate

Concen: 0.574 ppbv m

RT: 4.900 min Scan# 1487

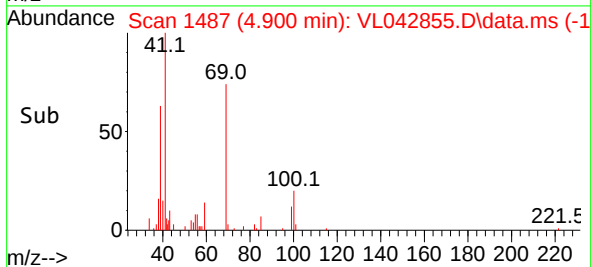
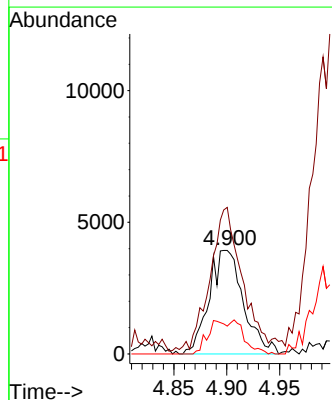
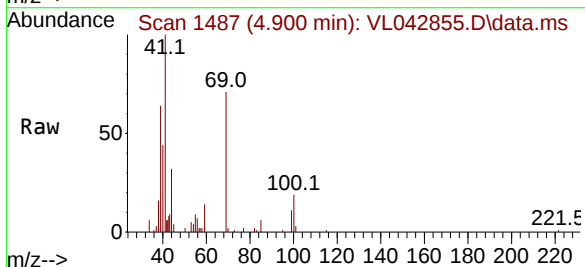
Delta R.T. 0.010 min

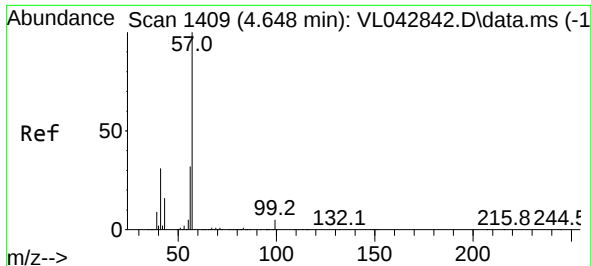
Lab File: VL042855.D

Acq: 13 Aug 2025 17:05

Tgt Ion: 69 Resp: 8920

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 69  | 100   |       |       |
| 41  | 134.3 | 114.6 | 172.0 |
| 100 | 32.2  | 30.2  | 45.4  |





#44

2,2,4-Trimethylpentane

Concen: 2.250 ppbv

RT: 4.658 min Scan# 1409

Delta R.T. 0.010 min

Lab File: VL042855.D

Acq: 13 Aug 2025 17:05

Instrument :

MSVOA\_L

ClientSampleId :

IA1

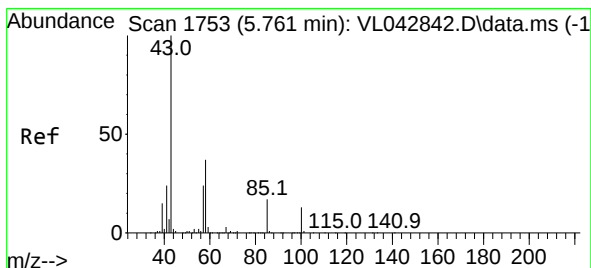
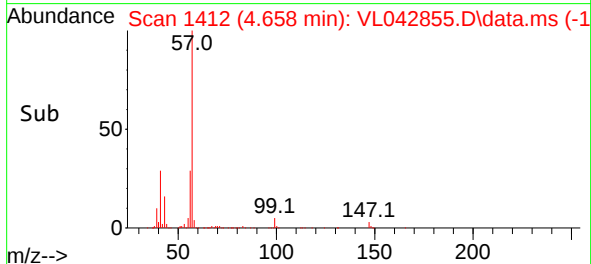
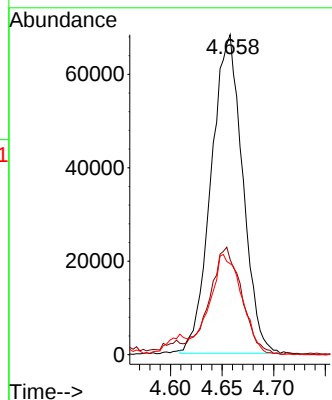
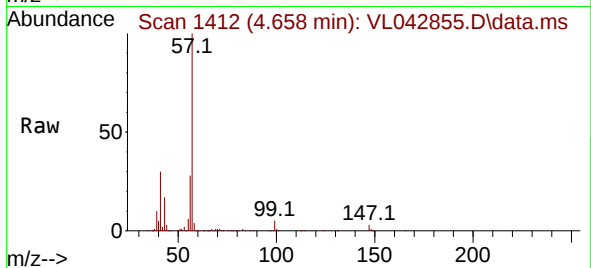
Tgt Ion: 57 Resp: 144106

Ion Ratio Lower Upper

57 100

41 37.8 24.8 37.2#

56 37.0 25.5 38.3



#50

4-Methyl-2-Pentanone

Concen: 0.199 ppbv m

RT: 5.787 min Scan# 1761

Delta R.T. 0.026 min

Lab File: VL042855.D

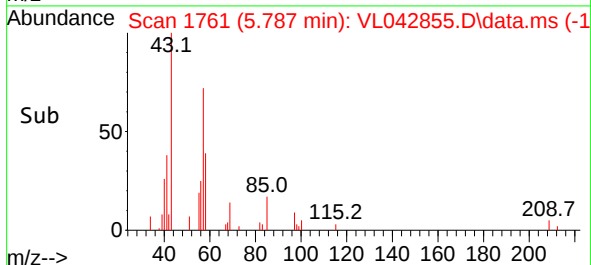
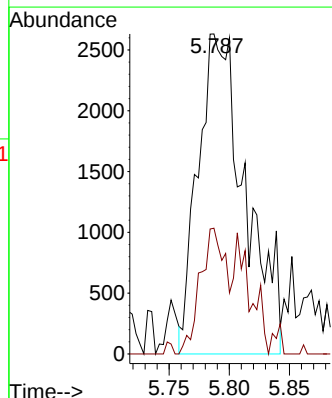
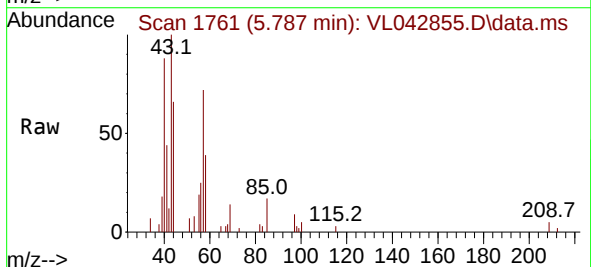
Acq: 13 Aug 2025 17:05

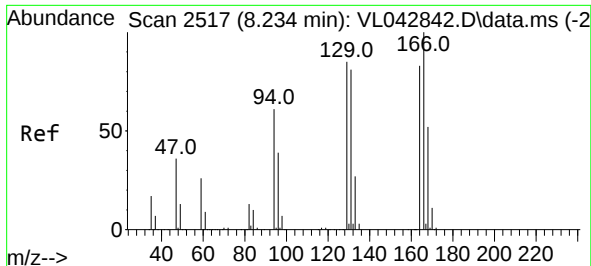
Tgt Ion: 43 Resp: 7171

Ion Ratio Lower Upper

43 100

58 36.6 29.8 44.8

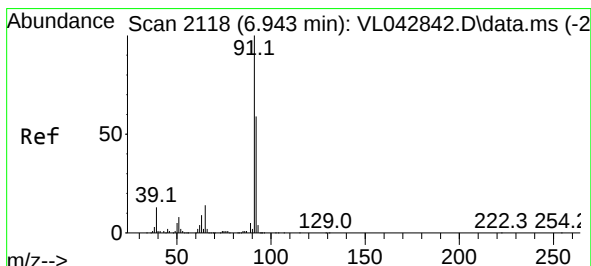
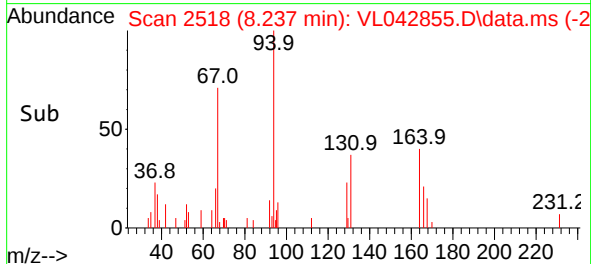
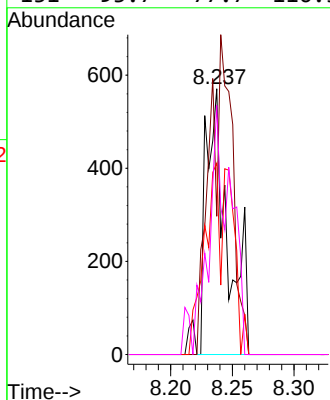
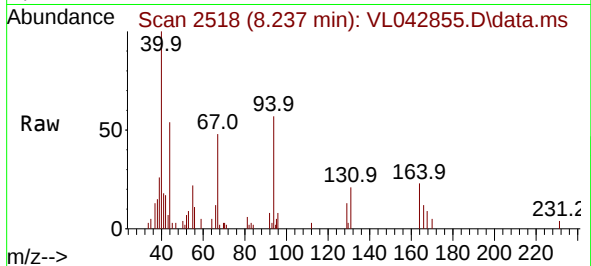




#52  
Tetrachloroethene  
Concen: 0.051 ppbv m  
RT: 8.237 min Scan# 2118  
Delta R.T. 0.003 min  
Lab File: VL042855.D  
Acq: 13 Aug 2025 17:05

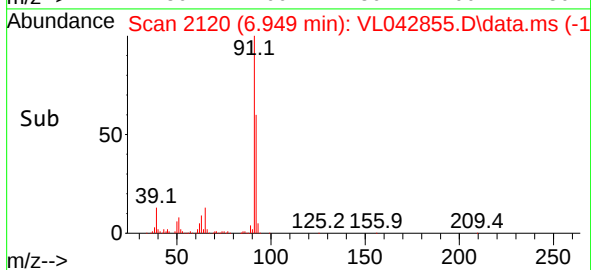
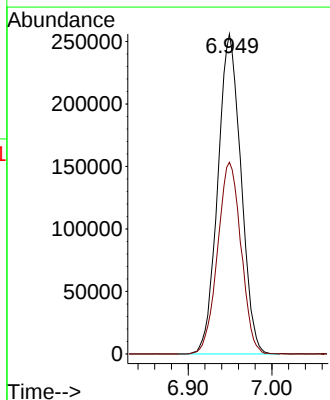
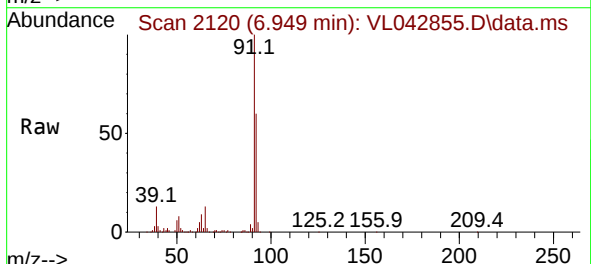
Instrument :  
MSVOA\_L  
ClientSampleId :  
IA1

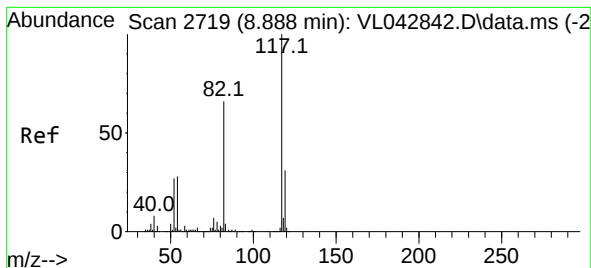
Tgt Ion:164 Resp: 700  
Ion Ratio Lower Upper  
164 100  
166 52.0 96.5 144.7#  
129 58.7 81.8 122.6#  
131 93.7 77.7 116.5



#53  
Toluene  
Concen: 10.936 ppbv  
RT: 6.949 min Scan# 2120  
Delta R.T. 0.006 min  
Lab File: VL042855.D  
Acq: 13 Aug 2025 17:05

Tgt Ion: 91 Resp: 490532  
Ion Ratio Lower Upper  
91 100  
92 60.8 47.8 71.6





#55

Chlorobenzene-d5

Concen: 10.000 ppbv

RT: 8.894 min Scan# 21

Delta R.T. 0.006 min

Lab File: VL042855.D

Acq: 13 Aug 2025 17:05

Instrument :

MSVOA\_L

ClientSampleId :

IA1

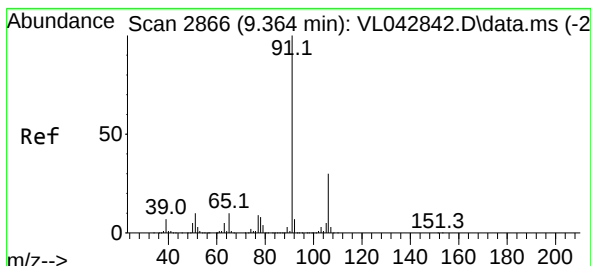
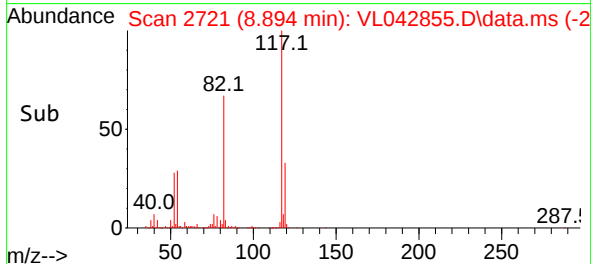
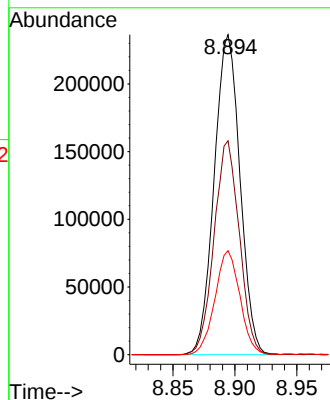
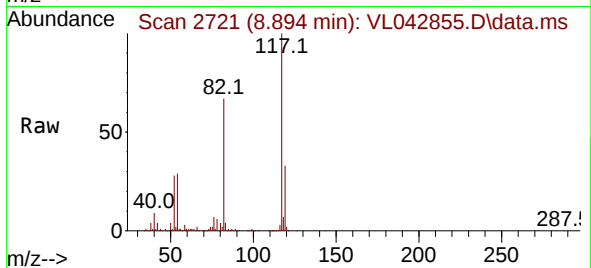
Tgt Ion:117 Resp: 342698

Ion Ratio Lower Upper

117 100

82 65.5 54.6 81.8

119 31.6 25.9 38.9



#58

Ethyl Benzene

Concen: 1.628 ppbv

RT: 9.367 min Scan# 2867

Delta R.T. 0.003 min

Lab File: VL042855.D

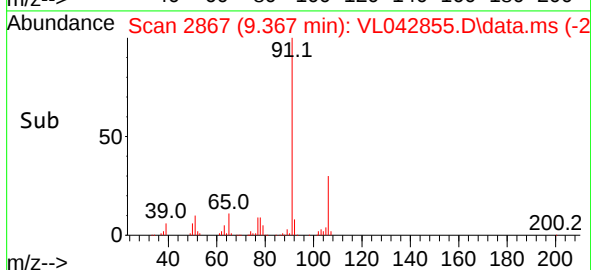
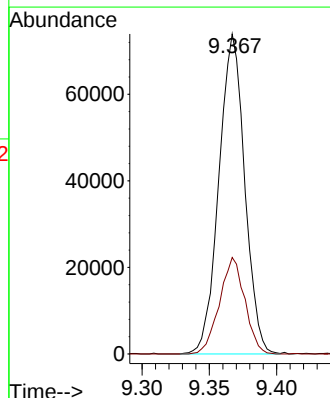
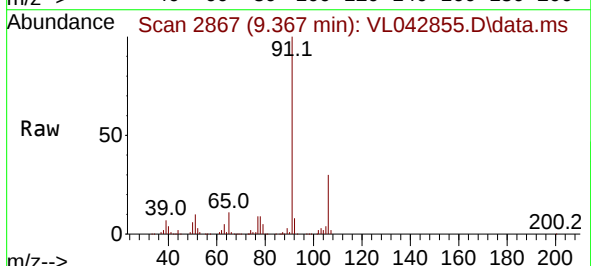
Acq: 13 Aug 2025 17:05

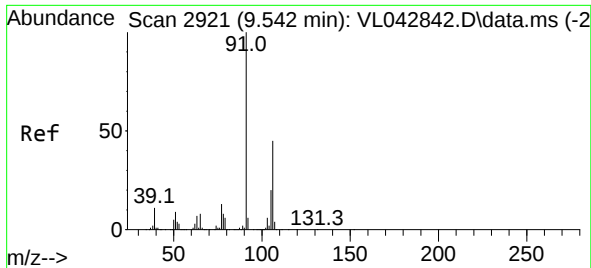
Tgt Ion: 91 Resp: 98450

Ion Ratio Lower Upper

91 100

106 30.2 23.9 35.9





#59

m/p-Xylene

Concen: 5.226 ppbv

RT: 9.542 min Scan# 2921

Delta R.T. -0.000 min

Lab File: VL042855.D

Acq: 13 Aug 2025 17:05

Instrument :

MSVOA\_L

ClientSampleId :

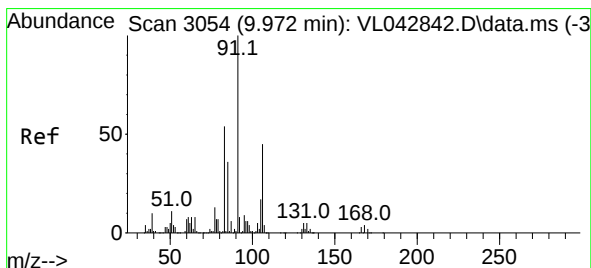
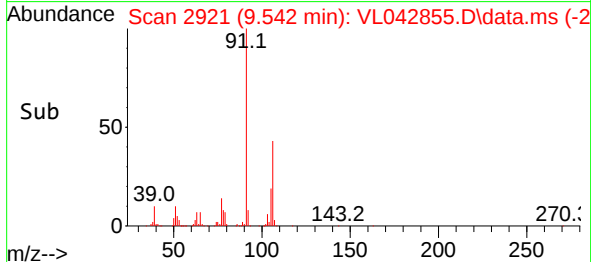
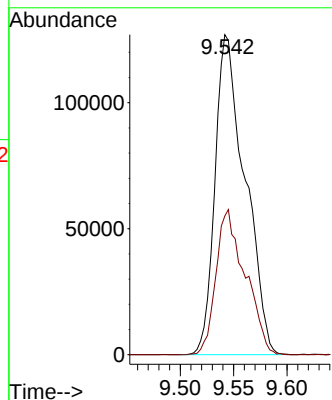
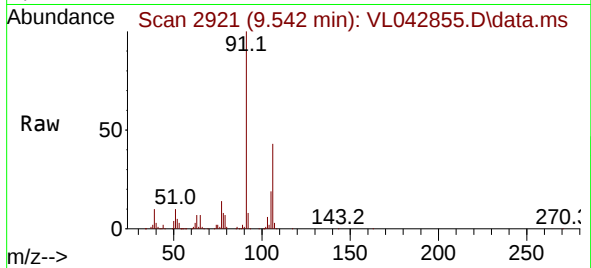
IA1

Tgt Ion: 91 Resp: 247723

Ion Ratio Lower Upper

91 100

106 44.3 0.0 0.0#



#60

o-Xylene

Concen: 2.022 ppbv

RT: 9.972 min Scan# 3054

Delta R.T. -0.000 min

Lab File: VL042855.D

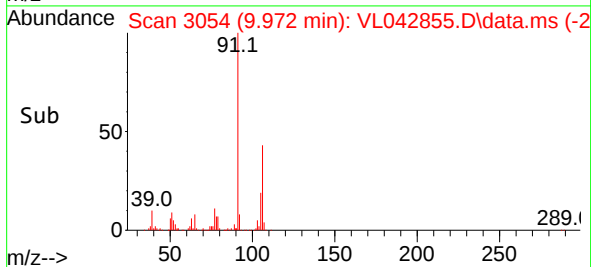
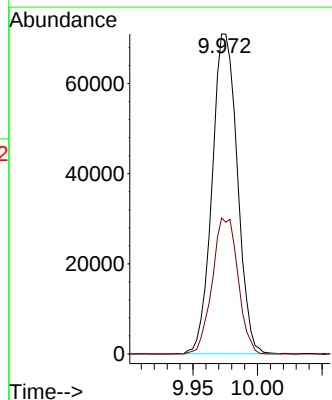
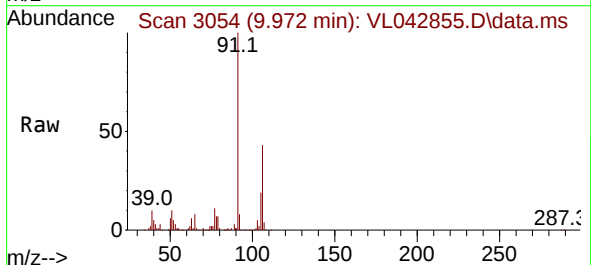
Acq: 13 Aug 2025 17:05

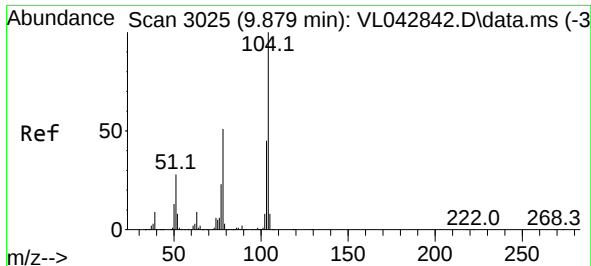
Tgt Ion: 91 Resp: 96410

Ion Ratio Lower Upper

91 100

106 43.4 21.8 65.4

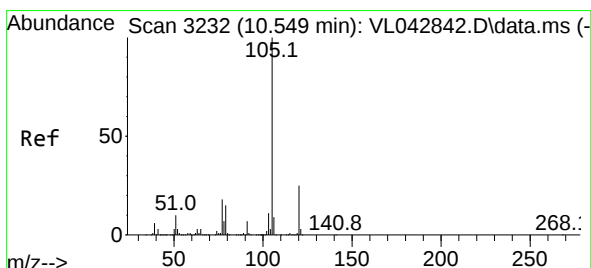
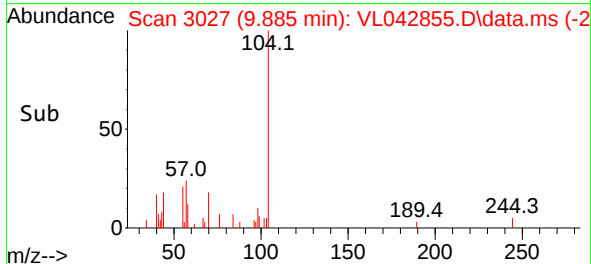
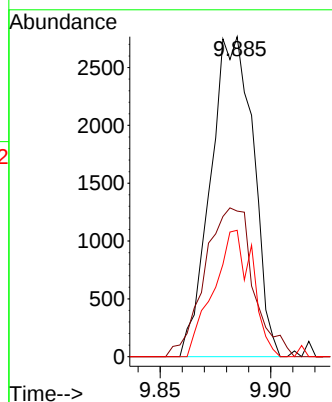
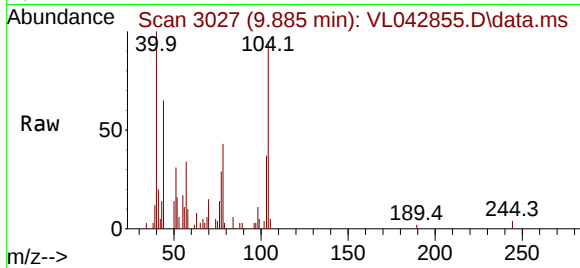




#61  
Styrene  
Concen: 0.167 ppbv  
RT: 9.885 min Scan# 3025  
Delta R.T. 0.006 min  
Lab File: VL042855.D  
Acq: 13 Aug 2025 17:05

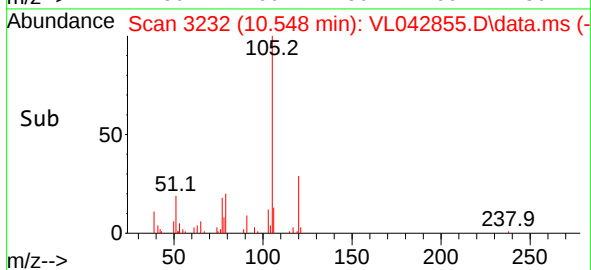
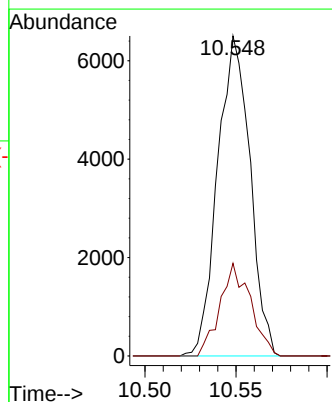
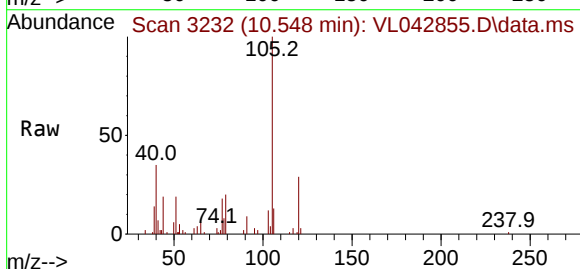
Instrument :  
MSVOA\_L  
ClientSampleId :  
IA1

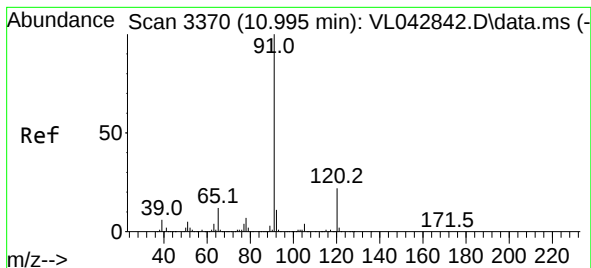
Tgt Ion:104 Resp: 3722  
Ion Ratio Lower Upper  
104 100  
78 53.0 40.6 61.0  
103 36.6 37.7 56.5#



#62  
Isopropylbenzene  
Concen: 0.115 ppbv  
RT: 10.548 min Scan# 3232  
Delta R.T. -0.000 min  
Lab File: VL042855.D  
Acq: 13 Aug 2025 17:05

Tgt Ion:105 Resp: 8044  
Ion Ratio Lower Upper  
105 100  
120 27.2 20.6 30.8





#64

n-propylbenzene

Concen: 0.353 ppbv

RT: 10.995 min Scan# 31

Delta R.T. -0.000 min

Lab File: VL042855.D

Acq: 13 Aug 2025 17:05

Instrument :

MSVOA\_L

ClientSampleId :

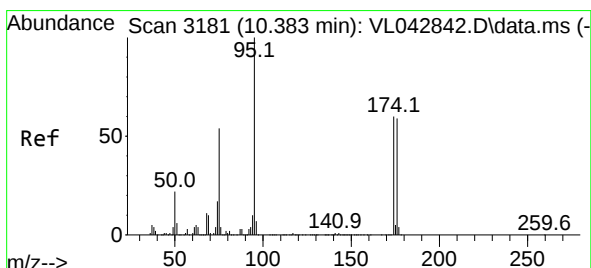
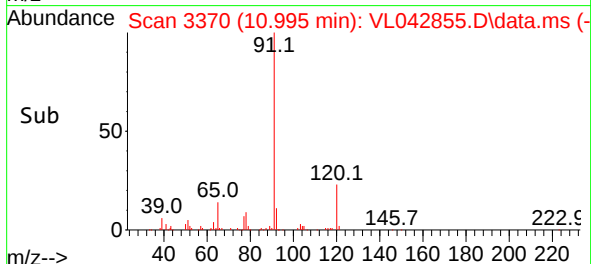
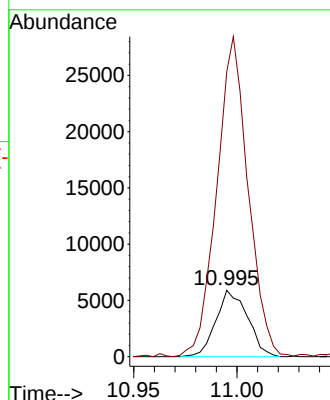
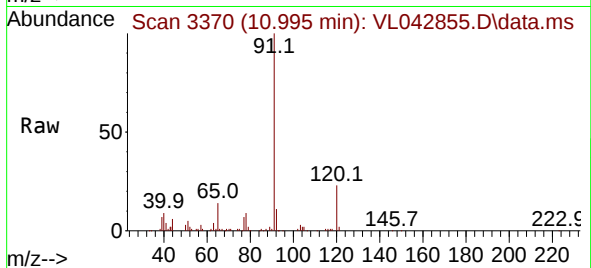
IA1

Tgt Ion:120 Resp: 6276

Ion Ratio Lower Upper

120 100

91 480.4 375.8 563.6



#68

1-Bromo-4-Fluorobenzene

Concen: 10.081 ppbv

RT: 10.387 min Scan# 3182

Delta R.T. 0.003 min

Lab File: VL042855.D

Acq: 13 Aug 2025 17:05

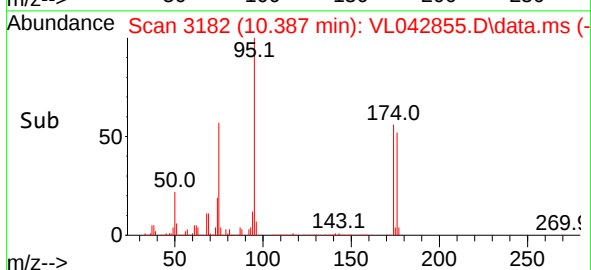
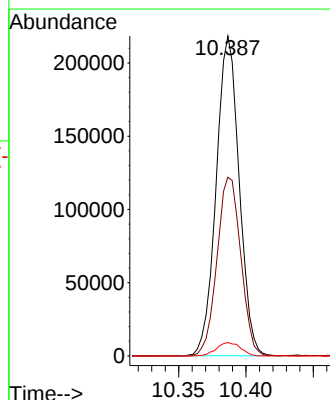
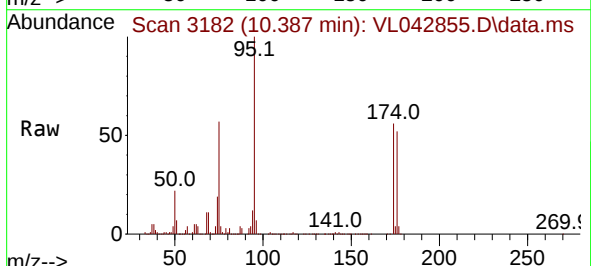
Tgt Ion: 95 Resp: 259097

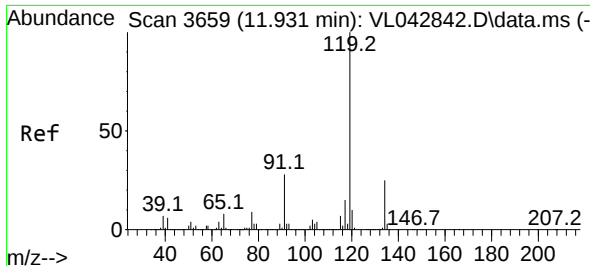
Ion Ratio Lower Upper

95 100

174 57.8 48.4 72.6

175 4.4 3.8 5.8

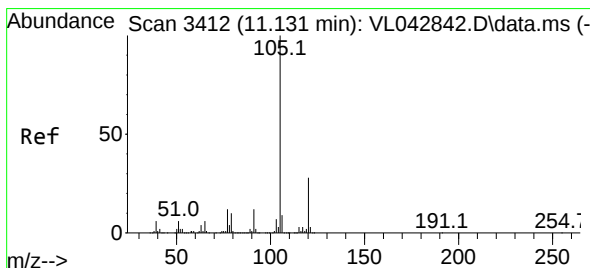
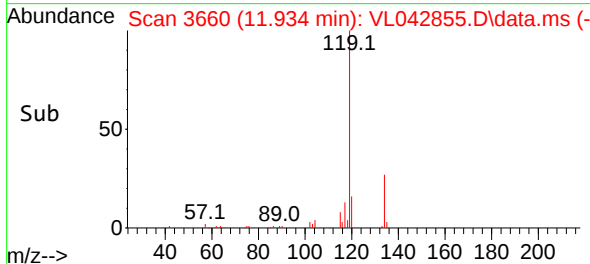
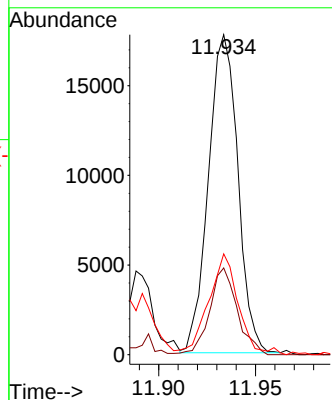
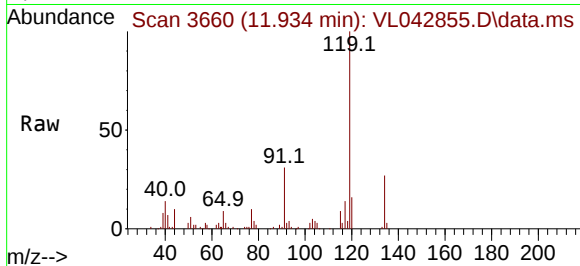




#69  
 p-Isopropyltoluene  
 Concen: 0.253 ppbv  
 RT: 11.934 min Scan# 3660  
 Delta R.T. 0.003 min  
 Lab File: VL042855.D  
 Acq: 13 Aug 2025 17:05

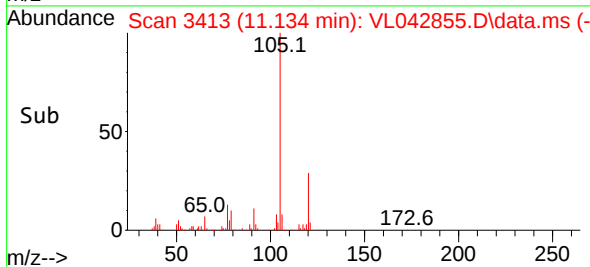
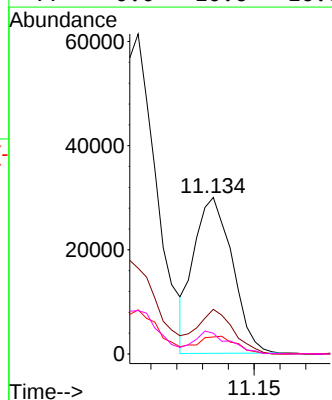
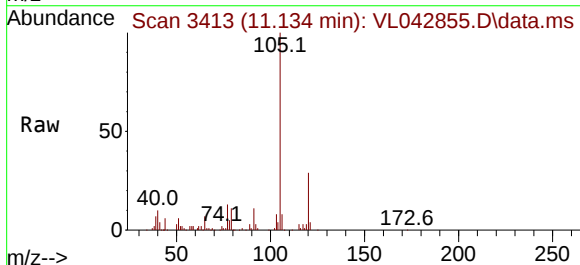
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 IA1

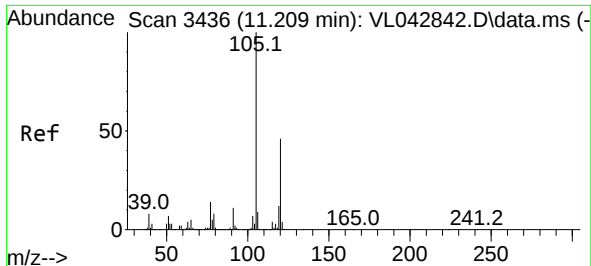
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 119   | Resp: | 18753 |
| Ion      | Ratio | Lower | Upper |
| 119      | 100   |       |       |
| 134      | 25.6  | 20.6  | 30.8  |
| 91       | 31.8  | 22.6  | 34.0  |



#72  
 4-Ethyltoluene  
 Concen: 0.537 ppbv  
 RT: 11.134 min Scan# 3413  
 Delta R.T. 0.003 min  
 Lab File: VL042855.D  
 Acq: 13 Aug 2025 17:05

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 105   | Resp: | 31067 |
| Ion      | Ratio | Lower | Upper |
| 105      | 100   |       |       |
| 120      | 0.0   | 23.4  | 35.2# |
| 91       | 0.0   | 9.8   | 14.6# |
| 77       | 0.0   | 10.6  | 16.0# |

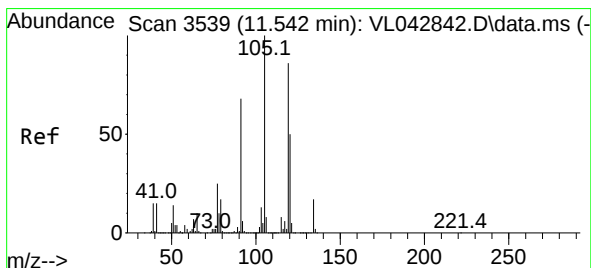
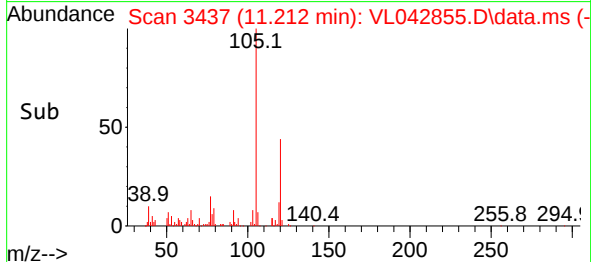
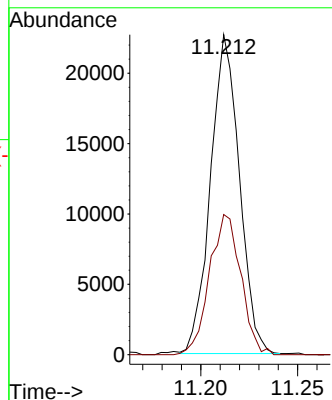
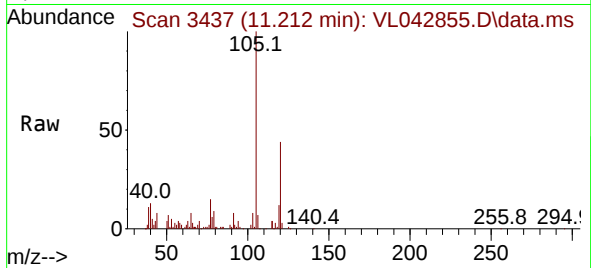




#73  
 1,3,5-Trimethylbenzene  
 Concen: 0.479 ppbv  
 RT: 11.212 min Scan# 3437  
 Delta R.T. 0.003 min  
 Lab File: VL042855.D  
 Acq: 13 Aug 2025 17:05

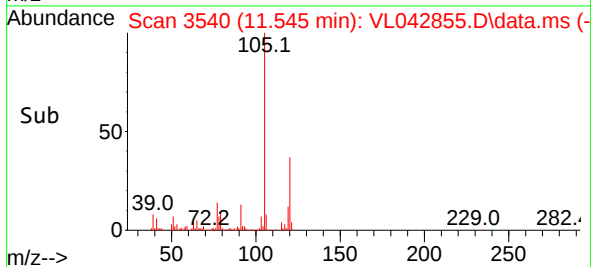
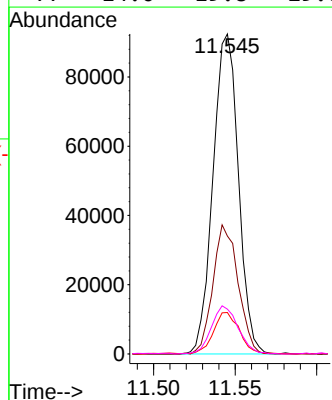
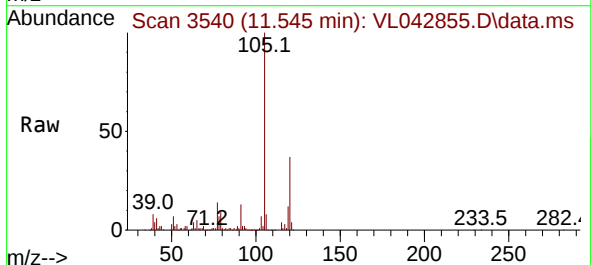
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 IA1

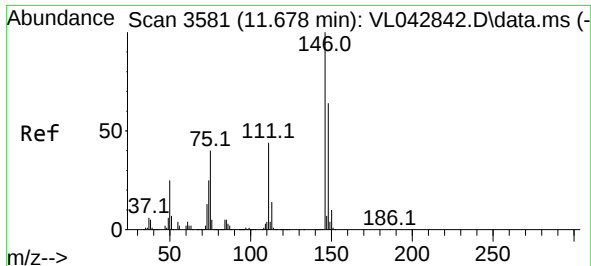
Tgt Ion:105 Resp: 23528  
 Ion Ratio Lower Upper  
 105 100  
 120 44.0 36.6 54.8



#74  
 1,2,4-Trimethylbenzene  
 Concen: 1.853 ppbv  
 RT: 11.545 min Scan# 3540  
 Delta R.T. 0.003 min  
 Lab File: VL042855.D  
 Acq: 13 Aug 2025 17:05

Tgt Ion:105 Resp: 99976  
 Ion Ratio Lower Upper  
 105 100  
 120 36.9 39.8 59.6#  
 91 12.8 54.2 81.4#  
 77 14.0 19.8 29.6#

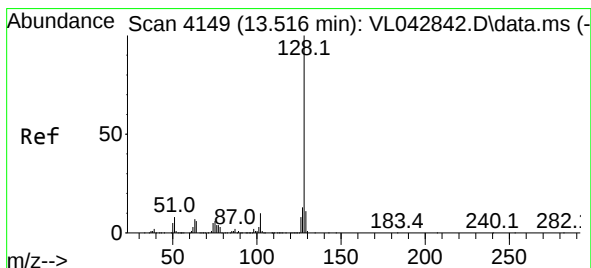
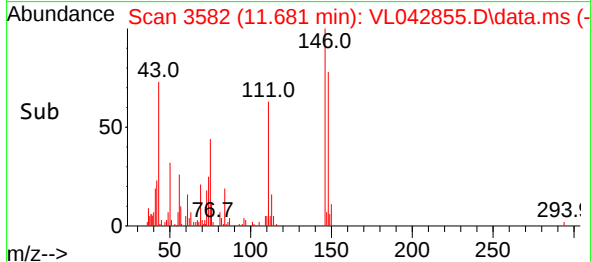
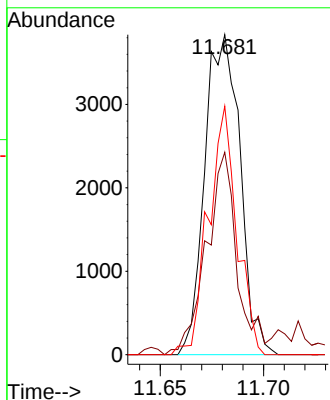
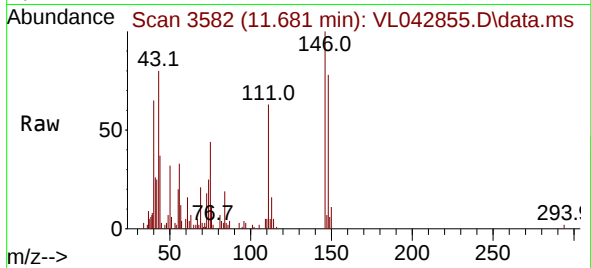




#76  
1,4-Dichlorobenzene  
Concen: 0.147 ppbv  
RT: 11.681 min Scan# 31  
Delta R.T. 0.003 min  
Lab File: VL042855.D  
Acq: 13 Aug 2025 17:05

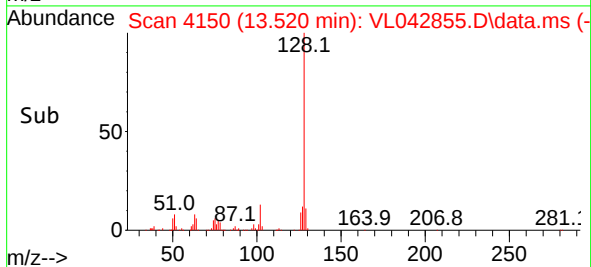
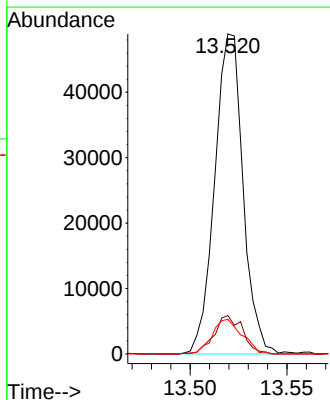
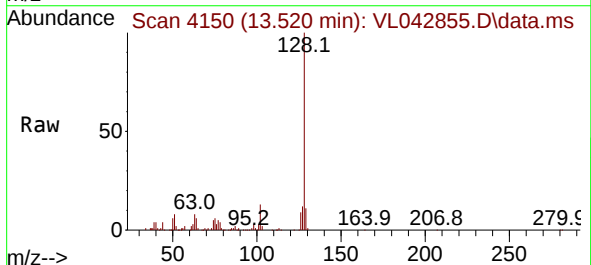
Instrument :  
MSVOA\_L  
ClientSampleId :  
IA1

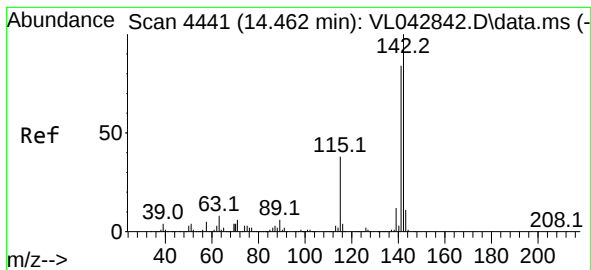
Tgt Ion:146 Resp: 4557  
Ion Ratio Lower Upper  
146 100  
111 64.0 22.7 68.1  
148 62.8 31.8 95.3



#79  
Naphthalene  
Concen: 1.017 ppbv  
RT: 13.520 min Scan# 4150  
Delta R.T. 0.003 min  
Lab File: VL042855.D  
Acq: 13 Aug 2025 17:05

Tgt Ion:128 Resp: 49732  
Ion Ratio Lower Upper  
128 100  
127 12.0 10.6 16.0  
129 10.8 8.9 13.3





#80

Naphthalene, 2-methyl-

Concen: 0.215 ppbv

RT: 14.465 min Scan# 44

Delta R.T. 0.003 min

Lab File: VL042855.D

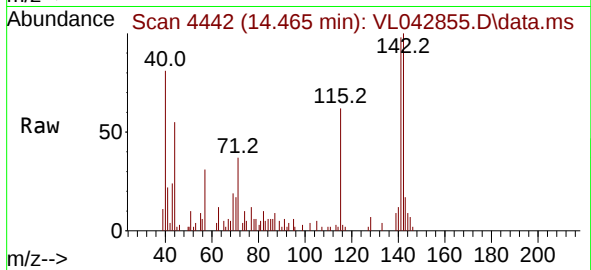
Acq: 13 Aug 2025 17:05

Instrument :

MSVOA\_L

ClientSampleId :

IA1



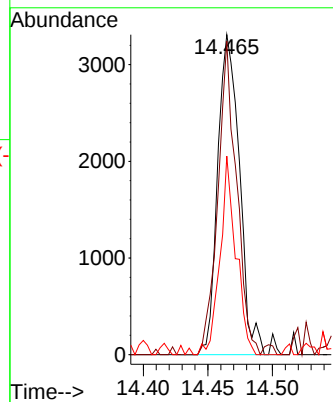
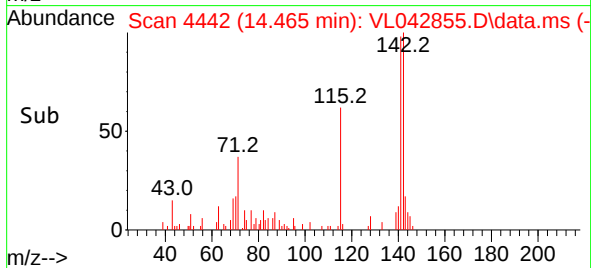
Tgt Ion:142 Resp: 3925

Ion Ratio Lower Upper

142 100

141 84.4 67.0 100.6

115 46.2 30.9 46.3



## Report of Analysis

|                    |                             |                 |          |
|--------------------|-----------------------------|-----------------|----------|
| Client:            | GFE LLC                     | Date Collected: | 08/07/25 |
| Project:           | 233 FLORIDA ST ELIZABETH NJ | Date Received:  | 08/07/25 |
| Client Sample ID:  | IA1DL                       | SDG No.:        | Q2794    |
| Lab Sample ID:     | Q2794-01DL                  | Matrix:         | Air      |
| Analytical Method: | TO-15                       | Test:           | TO-15    |
| Sample Wt/Vol:     | 400                         | Units:          | mL       |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VL042857.D        | 10        |           | 08/13/25 18:21 | VL081325      |

| CAS Number     | Parameter                      | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | MDL  | LOQ / CRQL | Units |
|----------------|--------------------------------|---------------|----------------|-----------|------|------------|-------|
| <b>TARGETS</b> |                                |               |                |           |      |            |       |
| 75-71-8        | Dichlorodifluoromethane        | 1.10          | 5.44           | UD        | 5.44 | 24.7       | ug/m3 |
| 74-87-3        | Chloromethane                  | 0.98          | 2.02           | UD        | 2.02 | 10.3       | ug/m3 |
| 75-01-4        | Vinyl Chloride                 | 0.25          | 0.64           | UD        | 0.64 | 0.77       | ug/m3 |
| 74-83-9        | Bromomethane                   | 0.77          | 2.99           | UD        | 2.99 | 19.4       | ug/m3 |
| 75-00-3        | Chloroethane                   | 1.50          | 3.96           | UD        | 3.96 | 13.2       | ug/m3 |
| 109-99-9       | Tetrahydrofuran                | 0.80          | 2.36           | UD        | 2.36 | 14.8       | ug/m3 |
| 75-69-4        | Trichlorofluoromethane         | 1.70          | 9.55           | UD        | 9.55 | 28.1       | ug/m3 |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 1.40          | 10.7           | UD        | 10.7 | 38.3       | ug/m3 |
| 76-14-2        | Dichlorotetrafluoroethane      | 1.50          | 10.5           | UD        | 10.5 | 35.0       | ug/m3 |
| 75-65-0        | tert-Butyl alcohol             | 1.60          | 4.85           | UD        | 4.85 | 15.2       | ug/m3 |
| 142-82-5       | Heptane                        | 1.70          | 6.97           | JD        | 6.97 | 20.5       | ug/m3 |
| 75-35-4        | 1,1-Dichloroethene             | 1.50          | 5.95           | UD        | 5.95 | 19.8       | ug/m3 |
| 67-64-1        | Acetone                        | 35.1          | 83.4           | D         | 4.28 | 11.9       | ug/m3 |
| 75-15-0        | Carbon Disulfide               | 0.80          | 2.49           | UD        | 2.49 | 15.6       | ug/m3 |
| 1634-04-4      | Methyl tert-Butyl Ether        | 2.30          | 8.29           | UD        | 8.29 | 18.0       | ug/m3 |
| 75-09-2        | Methylene Chloride             | 2.30          | 7.99           | UD        | 7.99 | 17.4       | ug/m3 |
| 156-60-5       | trans-1,2-Dichloroethene       | 1.20          | 4.76           | UD        | 4.76 | 19.8       | ug/m3 |
| 75-34-3        | 1,1-Dichloroethane             | 1.30          | 5.26           | UD        | 5.26 | 20.2       | ug/m3 |
| 110-82-7       | Cyclohexane                    | 2.20          | 7.57           | UD        | 7.57 | 17.2       | ug/m3 |
| 78-93-3        | 2-Butanone                     | 1.50          | 4.42           | JD        | 1.65 | 14.8       | ug/m3 |
| 56-23-5        | Carbon Tetrachloride           | 0.25          | 1.57           | UD        | 1.57 | 1.89       | ug/m3 |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.99          | 3.93           | UD        | 3.93 | 19.8       | ug/m3 |
| 67-66-3        | Chloroform                     | 0.96          | 4.69           | UD        | 4.69 | 24.4       | ug/m3 |
| 71-55-6        | 1,1,1-Trichloroethane          | 0.16          | 0.87           | UD        | 0.87 | 1.64       | ug/m3 |
| 540-84-1       | 2,2,4-Trimethylpentane         | 2.30          | 10.7           | JD        | 6.54 | 23.4       | ug/m3 |
| 71-43-2        | Benzene                        | 1.30          | 4.15           | JD        | 2.52 | 16.0       | ug/m3 |
| 107-06-2       | 1,2-Dichloroethane             | 0.93          | 3.76           | UD        | 3.76 | 20.2       | ug/m3 |
| 79-01-6        | Trichloroethene                | 0.24          | 1.29           | UD        | 1.29 | 1.61       | ug/m3 |
| 78-87-5        | 1,2-Dichloropropane            | 1.30          | 6.01           | UD        | 6.01 | 23.1       | ug/m3 |
| 75-27-4        | Bromodichloromethane           | 0.63          | 4.22           | UD        | 4.22 | 33.5       | ug/m3 |
| 108-10-1       | 4-Methyl-2-Pentanone           | 0.97          | 3.98           | UD        | 3.98 | 20.5       | ug/m3 |
| 108-88-3       | Toluene                        | 10.1          | 38.1           | D         | 6.03 | 18.8       | ug/m3 |
| 10061-02-6     | t-1,3-Dichloropropene          | 1.50          | 6.81           | UD        | 6.81 | 22.7       | ug/m3 |
| 10061-01-5     | cis-1,3-Dichloropropene        | 1.10          | 4.99           | UD        | 4.99 | 22.7       | ug/m3 |
| 79-00-5        | 1,1,2-Trichloroethane          | 0.81          | 4.42           | UD        | 4.42 | 27.3       | ug/m3 |

## Report of Analysis

|                    |                             |                 |          |
|--------------------|-----------------------------|-----------------|----------|
| Client:            | GFE LLC                     | Date Collected: | 08/07/25 |
| Project:           | 233 FLORIDA ST ELIZABETH NJ | Date Received:  | 08/07/25 |
| Client Sample ID:  | IA1DL                       | SDG No.:        | Q2794    |
| Lab Sample ID:     | Q2794-01DL                  | Matrix:         | Air      |
| Analytical Method: | TO-15                       | Test:           | TO-15    |
| Sample Wt/Vol:     | 400                         | Units:          | mL       |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VL042857.D        | 10        |           | 08/13/25 18:21 | VL081325      |

| CAS Number                | Parameter                 | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | MDL      | LOQ / CRQL | Units   |
|---------------------------|---------------------------|---------------|----------------|-----------|----------|------------|---------|
| 124-48-1                  | Dibromochloromethane      | 0.85          | 7.24           | UD        | 7.24     | 42.6       | ug/m3   |
| 106-93-4                  | 1,2-Dibromoethane         | 0.85          | 6.53           | UD        | 6.53     | 7.69       | ug/m3   |
| 127-18-4                  | Tetrachloroethene         | 0.15          | 1.02           | UD        | 1.02     | 2.03       | ug/m3   |
| 108-90-7                  | Chlorobenzene             | 0.77          | 3.55           | UD        | 3.55     | 23.0       | ug/m3   |
| 100-41-4                  | Ethyl Benzene             | 1.90          | 8.25           | UD        | 8.25     | 21.7       | ug/m3   |
| 179601-23-1               | m/p-Xylene                | 4.80          | 20.9           | JD        | 17.8     | 43.4       | ug/m3   |
| 95-47-6                   | o-Xylene                  | 2.10          | 9.12           | UD        | 9.12     | 21.7       | ug/m3   |
| 100-42-5                  | Styrene                   | 1.60          | 6.81           | UD        | 6.81     | 21.3       | ug/m3   |
| 75-25-2                   | Bromoform                 | 0.48          | 4.96           | UD        | 4.96     | 51.7       | ug/m3   |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane | 0.18          | 1.24           | UD        | 1.24     | 2.06       | ug/m3   |
| 95-49-8                   | 2-Chlorotoluene           | 1.70          | 8.80           | UD        | 8.80     | 25.9       | ug/m3   |
| 108-67-8                  | 1,3,5-Trimethylbenzene    | 1.80          | 8.85           | UD        | 8.85     | 24.6       | ug/m3   |
| 95-63-6                   | 1,2,4-Trimethylbenzene    | 1.80          | 8.85           | UD        | 8.85     | 24.6       | ug/m3   |
| 541-73-1                  | 1,3-Dichlorobenzene       | 0.54          | 3.25           | UD        | 3.25     | 30.1       | ug/m3   |
| 106-46-7                  | 1,4-Dichlorobenzene       | 1.30          | 7.82           | UD        | 7.82     | 30.1       | ug/m3   |
| 95-50-1                   | 1,2-Dichlorobenzene       | 1.30          | 7.82           | UD        | 7.82     | 30.1       | ug/m3   |
| 120-82-1                  | 1,2,4-Trichlorobenzene    | 2.10          | 15.6           | UD        | 15.6     | 37.1       | ug/m3   |
| 87-68-3                   | Hexachloro-1,3-Butadiene  | 1.30          | 13.9           | UD        | 13.9     | 53.3       | ug/m3   |
| 106-99-0                  | 1,3-Butadiene             | 0.51          | 1.13           | UD        | 1.13     | 11.1       | ug/m3   |
| 91-20-3                   | Naphthalene               | 0.13          | 0.68           | UD        | 0.68     | 5.24       | ug/m3   |
| 622-96-8                  | 4-Ethyltoluene            | 2.10          | 10.3           | UD        | 10.3     | 24.6       | ug/m3   |
| 110-54-3                  | Hexane                    | 2.30          | 8.11           | JD        | 5.64     | 17.6       | ug/m3   |
| 107-05-1                  | Allyl Chloride            | 1.10          | 3.44           | UD        | 3.44     | 15.7       | ug/m3   |
| 123-91-1                  | 1,4-Dioxane               | 2.20          | 7.93           | UD        | 7.93     | 18.0       | ug/m3   |
| 80-62-6                   | Methyl Methacrylate       | 1.40          | 5.73           | UD        | 5.73     | 20.5       | ug/m3   |
| <b>SURROGATES</b>         |                           |               |                |           |          |            |         |
| 460-00-4                  | 1-Bromo-4-Fluorobenzene   | 10.0          |                |           | 65 - 135 | 100%       | SPK: 10 |
| <b>INTERNAL STANDARDS</b> |                           |               |                |           |          |            |         |
| 74-97-5                   | Bromochloromethane        | 133000        |                | 2.8       |          |            |         |
| 540-36-3                  | 1,4-Difluorobenzene       | 406000        |                | 3.975     |          |            |         |
| 3114-55-4                 | Chlorobenzene-d5          | 347000        |                | 8.898     |          |            |         |

## Report of Analysis

|                    |                             |                 |          |
|--------------------|-----------------------------|-----------------|----------|
| Client:            | GFE LLC                     | Date Collected: | 08/07/25 |
| Project:           | 233 FLORIDA ST ELIZABETH NJ | Date Received:  | 08/07/25 |
| Client Sample ID:  | IA1DL                       | SDG No.:        | Q2794    |
| Lab Sample ID:     | Q2794-01DL                  | Matrix:         | Air      |
| Analytical Method: | TO-15                       | Test:           | TO-15    |
| Sample Wt/Vol:     | 400                         | Units:          | mL       |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VL042857.D        | 10        |           | 08/13/25 18:21 | VL081325      |

| CAS Number | Parameter | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | MDL | LOQ / CRQL | Units |
|------------|-----------|---------------|----------------|-----------|-----|------------|-------|
|------------|-----------|---------------|----------------|-----------|-----|------------|-------|

U = Not Detected  
 RL = Reporting Limit  
 MDL = Method Detection Limit  
 E = Value Exceeds Calibration Range  
 D = Dilution

J = Estimated Value  
 B = Analyte Found in Associated Method Blank  
 N = Presumptive Evidence of a Compound  
 \* = Values outside of QC limits  
 Q = indicates LCS control criteria did not meet requirements

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL081325\  
 Data File : VL042857.D  
 Acq On : 13 Aug 2025 18:21  
 Operator : SY/MD  
 Sample : Q2794-01DL 10X  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 IA1DL

Quant Time: Aug 14 02:19:57 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL081325AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Thu Aug 14 02:12:54 2025  
 Response via : Initial Calibration

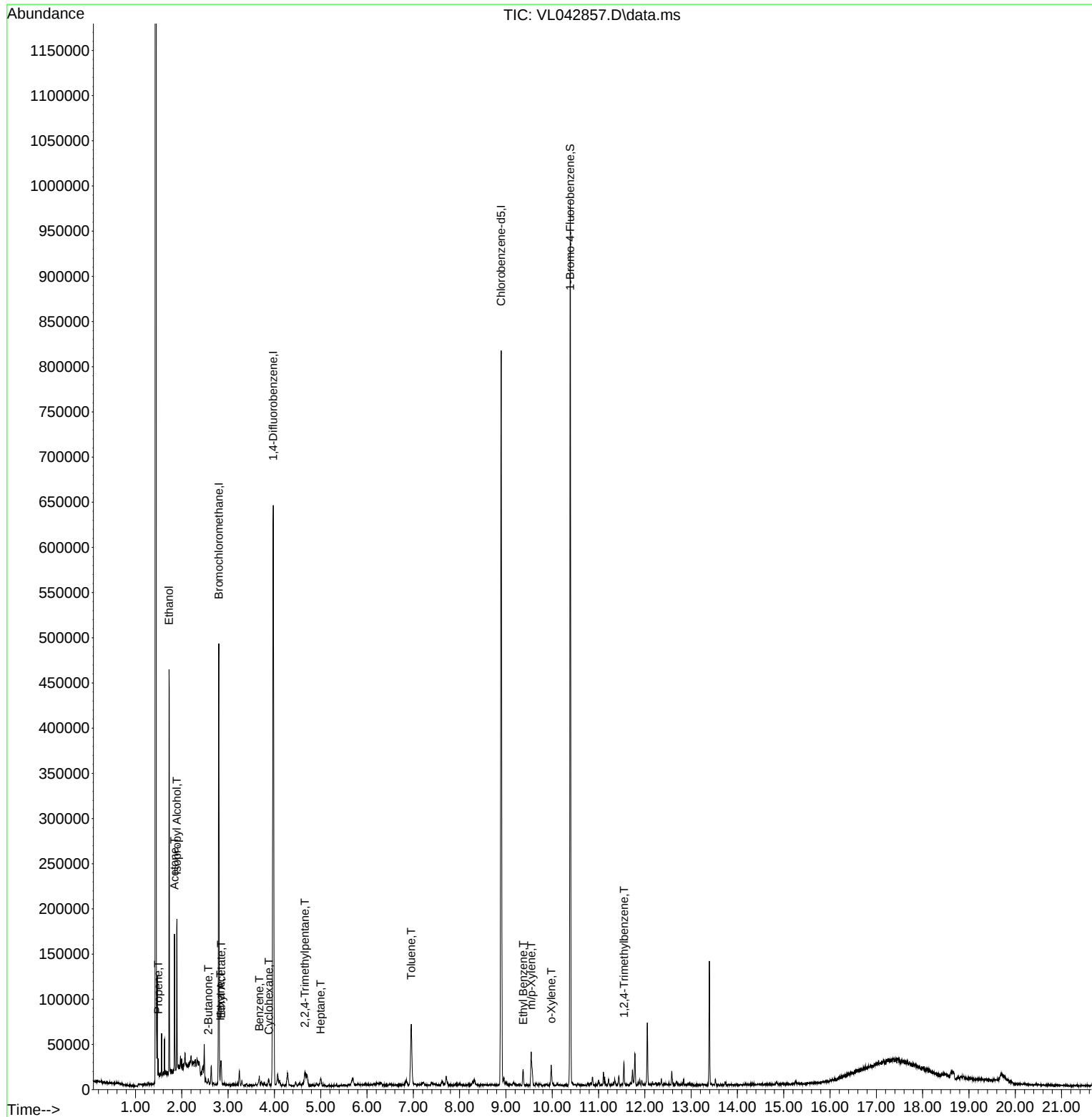
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Bromochloromethane       | 2.800  | 49    | 132826   | 10.000   | ppbv   | 0.01     |
| 33) 1,4-Difluorobenzene     | 3.975  | 114   | 406342   | 10.000   | ppbv   | 0.00     |
| 55) Chlorobenzene-d5        | 8.898  | 117   | 347245   | 10.000   | ppbv   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 68) 1-Bromo-4-Fluorobenzene | 10.390 | 95    | 260346   | 9.997    | ppbv   | 0.00     |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =      | 100.000% |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 9) Propene                  | 1.493  | 41    | 1690m    | 0.182    | ppbv   |          |
| 10) Heptane                 | 5.001  | 43    | 4291m    | 0.172    | ppbv   |          |
| 13) Ethanol                 | 1.726  | 45    | 158844   | 186.947  | ppbv   | 93       |
| 15) Acetone                 | 1.842  | 43    | 61695    | 3.511    | ppbv   | 98       |
| 19) Isopropyl Alcohol       | 1.894  | 45    | 71252    | 6.789    | ppbv # | 37       |
| 25) Ethyl Acetate           | 2.852  | 43    | 16896    | 0.397    | ppbv # | 90       |
| 26) Hexane                  | 2.836  | 57    | 4508     | 0.230    | ppbv # | 18       |
| 30) Cyclohexane             | 3.878  | 84    | 2051m    | 0.119    | ppbv   |          |
| 34) 2-Butanone              | 2.574  | 43    | 4200m    | 0.153    | ppbv   |          |
| 36) Benzene                 | 3.674  | 78    | 4851     | 0.125    | ppbv # | 89       |
| 44) 2,2,4-Trimethylpentane  | 4.658  | 57    | 15104m   | 0.229    | ppbv   |          |
| 53) Toluene                 | 6.956  | 91    | 46683    | 1.009    | ppbv   | 97       |
| 58) Ethyl Benzene           | 9.371  | 91    | 9634     | 0.157    | ppbv   | 90       |
| 59) m/p-Xylene              | 9.549  | 91    | 22807    | 0.475    | ppbv # | 100      |
| 60) o-Xylene                | 9.982  | 91    | 9054     | 0.187    | ppbv   | 98       |
| 74) 1,2,4-Trimethylbenzene  | 11.549 | 105   | 8568     | 0.157    | ppbv # | 62       |
| -----                       |        |       |          |          |        |          |

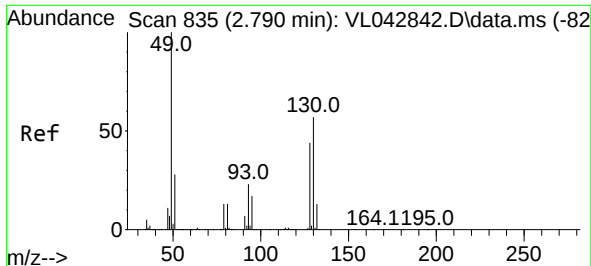
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL081325\  
Data File : VL042857.D  
Acq On : 13 Aug 2025 18:21  
Operator : SY/MD  
Sample : Q2794-01DL 10X  
Misc : 400mL/MSVOA\_L  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :  
IA1DL

Quant Time: Aug 14 02:19:57 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL081325AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
QLast Update : Thu Aug 14 02:12:54 2025  
Response via : Initial Calibration

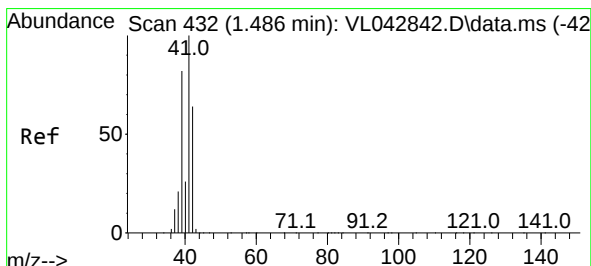
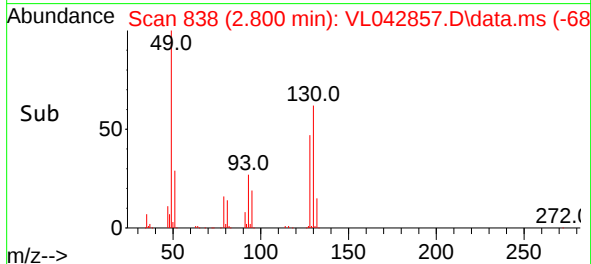
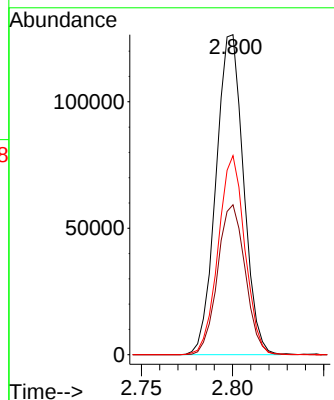
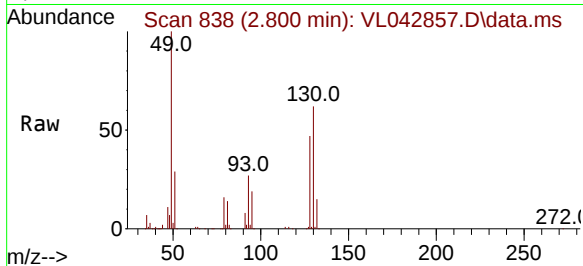




#1  
Bromochloromethane  
Concen: 10.000 ppbv  
RT: 2.800 min Scan# 81  
Delta R.T. 0.010 min  
Lab File: VL042857.D  
Acq: 13 Aug 2025 18:21

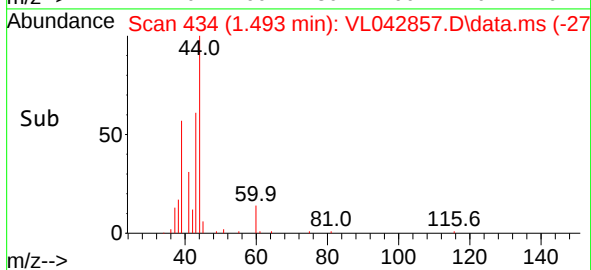
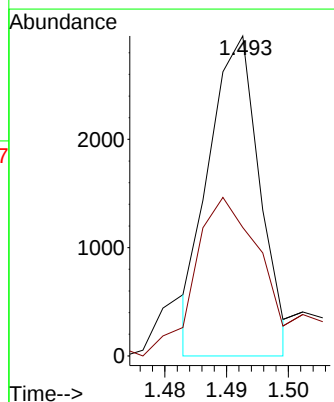
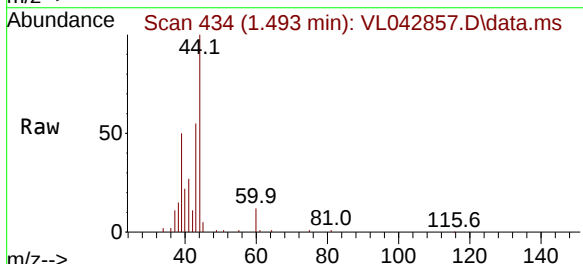
Instrument :  
MSVOA\_L  
ClientSampleId :  
IA1DL

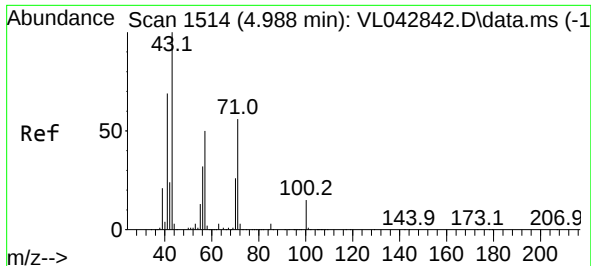
Tgt Ion: 49 Resp: 132826  
Ion Ratio Lower Upper  
49 100  
128 47.0 23.7 71.1  
130 60.1 30.6 91.6



#9  
Propene  
Concen: 0.182 ppbv m  
RT: 1.493 min Scan# 434  
Delta R.T. 0.007 min  
Lab File: VL042857.D  
Acq: 13 Aug 2025 18:21

Tgt Ion: 41 Resp: 1690  
Ion Ratio Lower Upper  
41 100  
42 172.8 53.0 79.4#

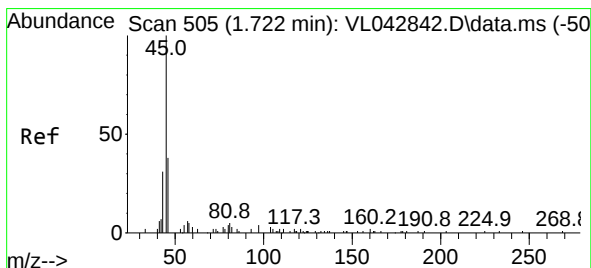
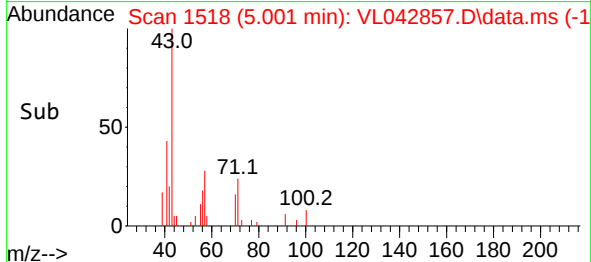
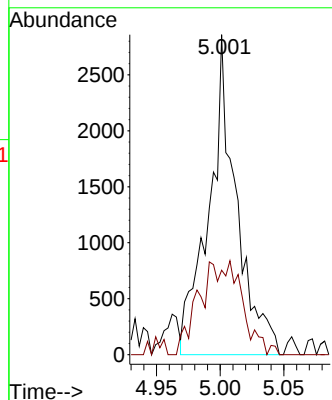
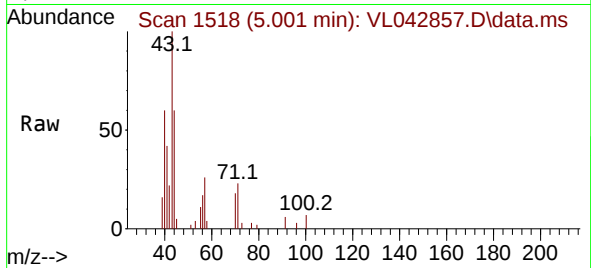




#10  
Heptane  
Concen: 0.172 ppbv m  
RT: 5.001 min Scan# 11  
Delta R.T. 0.013 min  
Lab File: VL042857.D  
Acq: 13 Aug 2025 18:21

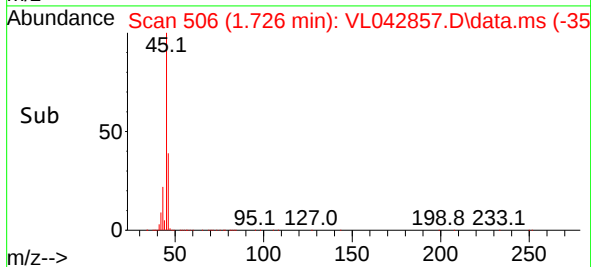
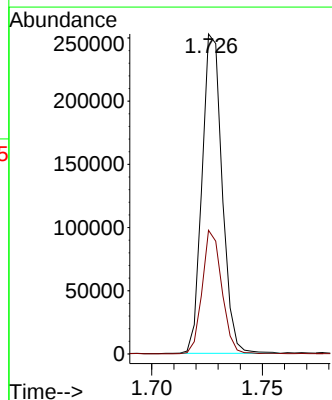
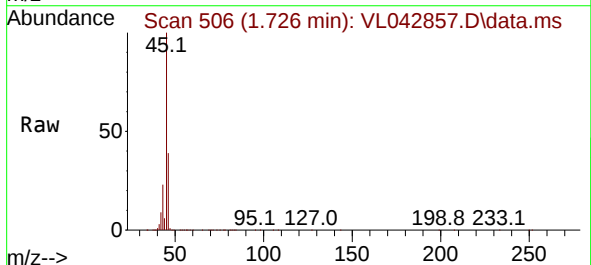
Instrument :  
MSVOA\_L  
ClientSampleId :  
IA1DL

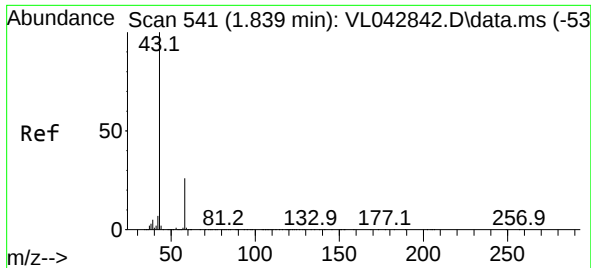
Tgt Ion: 43 Resp: 4291  
Ion Ratio Lower Upper  
43 100  
57 48.0 41.4 62.0



#13  
Ethanol  
Concen: 186.947 ppbv  
RT: 1.726 min Scan# 506  
Delta R.T. 0.003 min  
Lab File: VL042857.D  
Acq: 13 Aug 2025 18:21

Tgt Ion: 45 Resp: 158844  
Ion Ratio Lower Upper  
45 100  
46 38.9 17.5 69.9





#15

Acetone

Concen: 3.511 ppbv

RT: 1.842 min Scan# 541

Delta R.T. 0.003 min

Lab File: VL042857.D

Acq: 13 Aug 2025 18:21

Instrument :

MSVOA\_L

ClientSampleId :

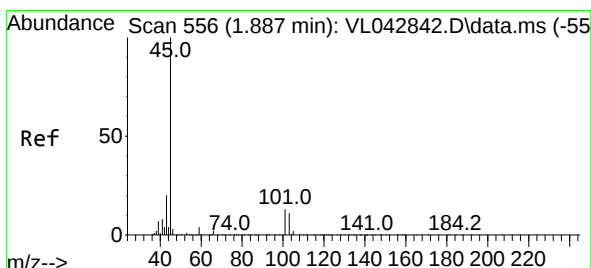
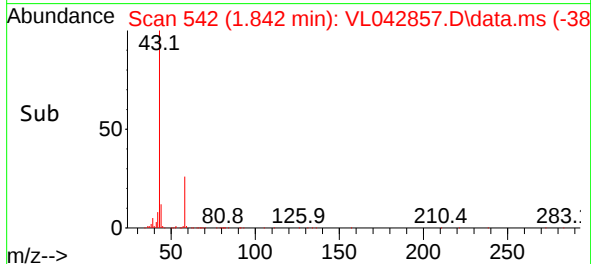
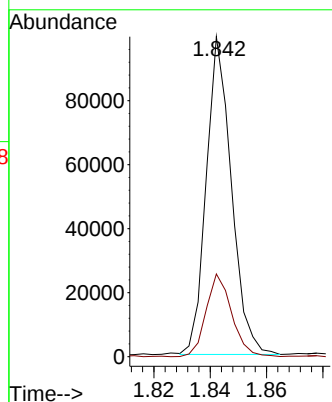
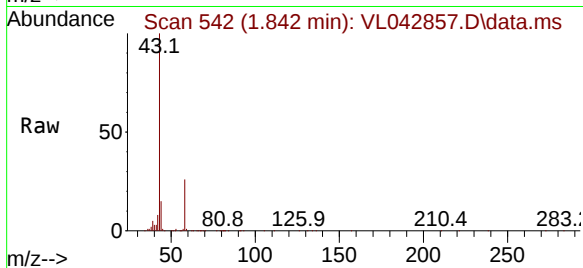
IA1DL

Tgt Ion: 43 Resp: 61695

Ion Ratio Lower Upper

43 100

58 26.8 22.4 33.6



#19

Isopropyl Alcohol

Concen: 6.789 ppbv

RT: 1.894 min Scan# 558

Delta R.T. 0.007 min

Lab File: VL042857.D

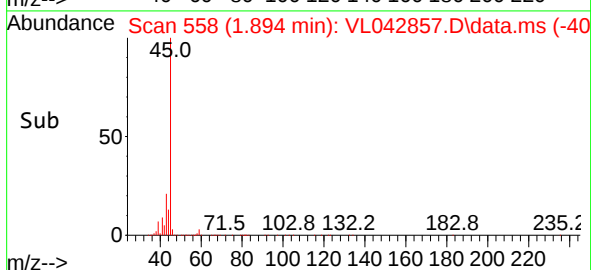
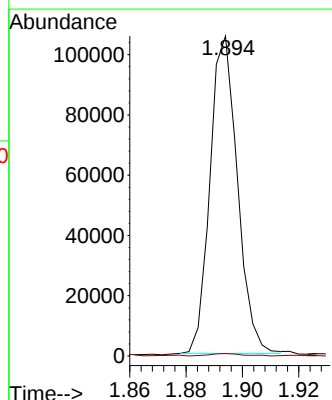
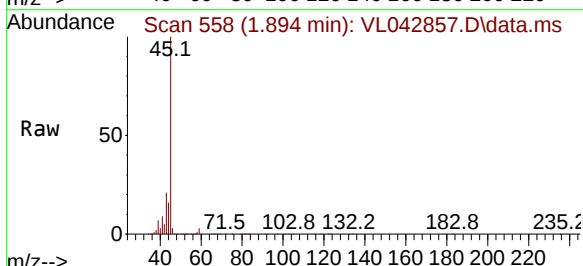
Acq: 13 Aug 2025 18:21

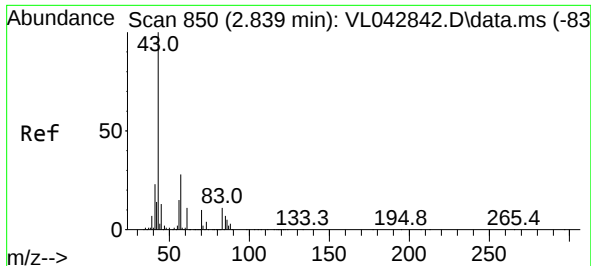
Tgt Ion: 45 Resp: 71252

Ion Ratio Lower Upper

45 100

58 1.3 32.7 49.1#





#25

Ethyl Acetate

Concen: 0.397 ppbv

RT: 2.852 min Scan# 81

Delta R.T. 0.013 min

Lab File: VL042857.D

Acq: 13 Aug 2025 18:21

Instrument :

MSVOA\_L

ClientSampleId :

IA1DL

Tgt Ion: 43 Resp: 16896

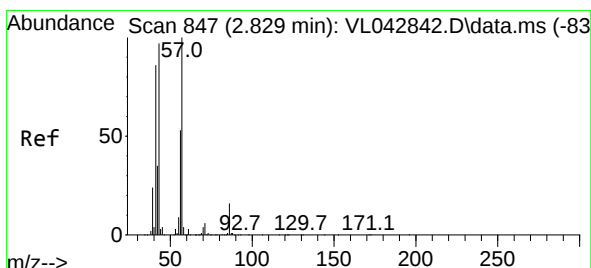
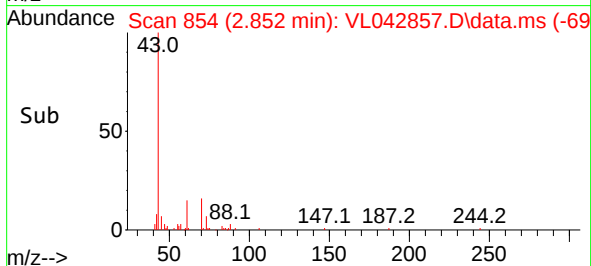
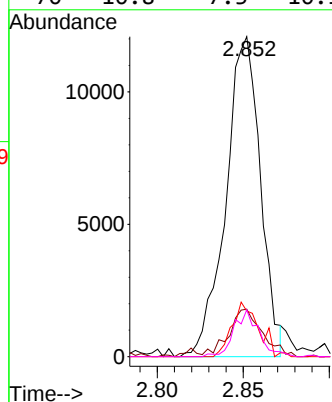
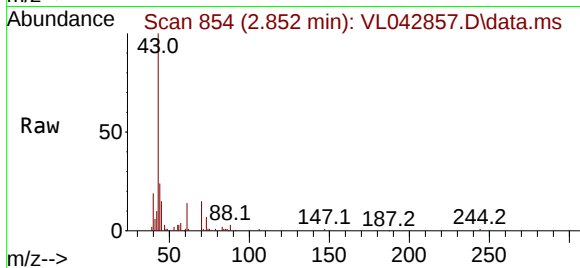
Ion Ratio Lower Upper

43 100

45 15.4 8.1 12.1#

61 13.2 7.4 11.2#

70 10.8 7.3 10.9



#26

Hexane

Concen: 0.230 ppbv

RT: 2.836 min Scan# 849

Delta R.T. 0.007 min

Lab File: VL042857.D

Acq: 13 Aug 2025 18:21

Tgt Ion: 57 Resp: 4508

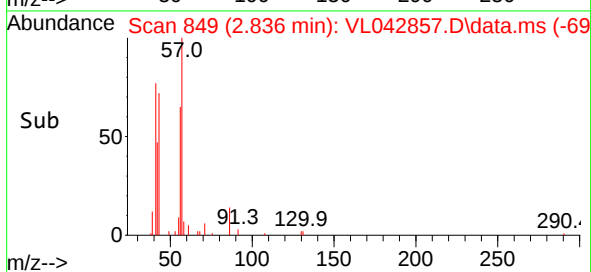
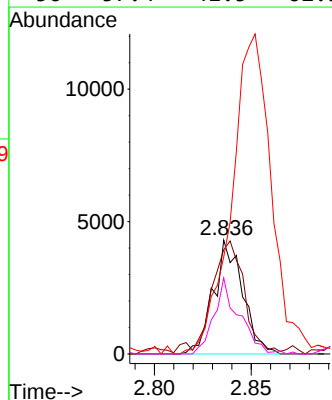
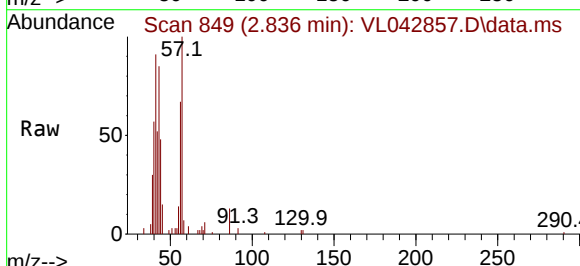
Ion Ratio Lower Upper

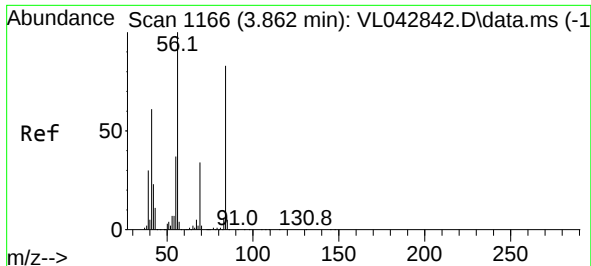
57 100

41 118.4 68.6 103.0#

43 398.0 168.5 252.7#

56 57.4 41.5 62.3

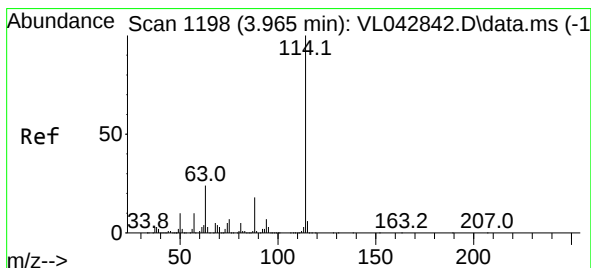
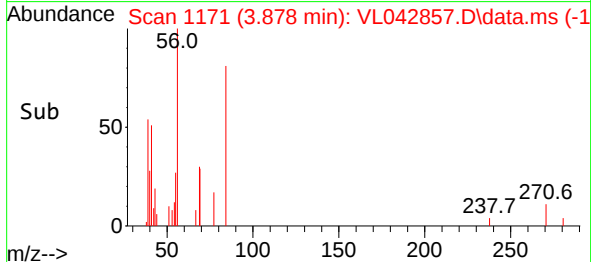
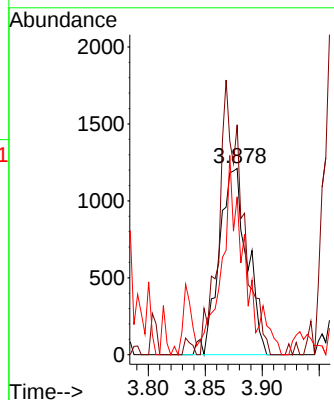
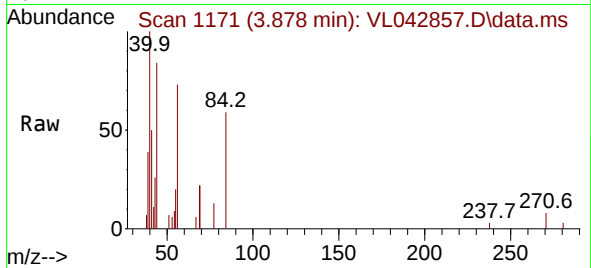




#30  
Cyclohexane  
Concen: 0.119 ppbv m  
RT: 3.878 min Scan# 1166  
Delta R.T. 0.016 min  
Lab File: VL042857.D  
Acq: 13 Aug 2025 18:21

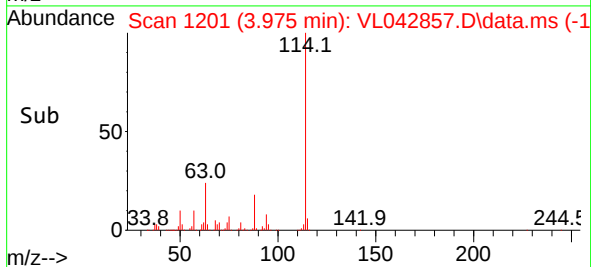
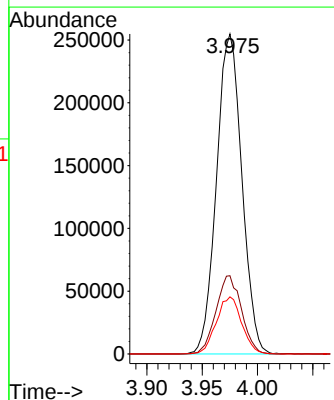
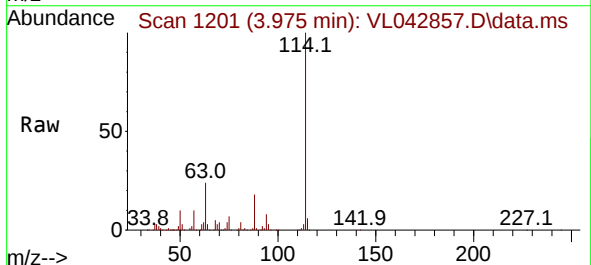
Instrument :  
MSVOA\_L  
ClientSampleId :  
IA1DL

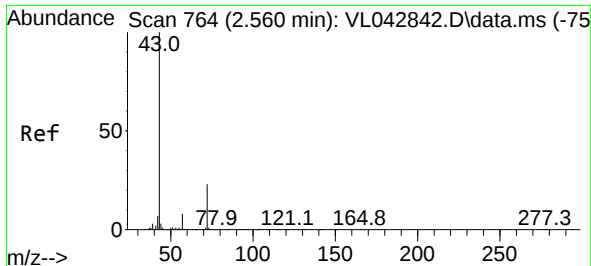
Tgt Ion: 84 Resp: 2051  
Ion Ratio Lower Upper  
84 100  
56 126.0 98.8 148.2  
41 99.7 61.3 91.9#



#33  
1,4-Difluorobenzene  
Concen: 10.000 ppbv  
RT: 3.975 min Scan# 1201  
Delta R.T. 0.010 min  
Lab File: VL042857.D  
Acq: 13 Aug 2025 18:21

Tgt Ion: 114 Resp: 406342  
Ion Ratio Lower Upper  
114 100  
63 24.6 19.7 29.5  
88 17.9 14.4 21.6

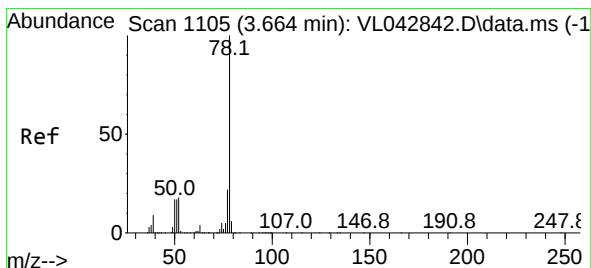
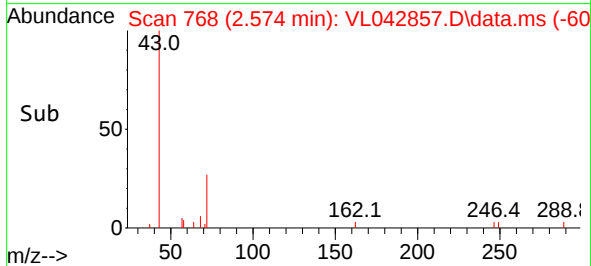
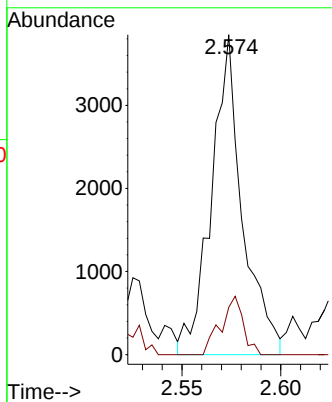
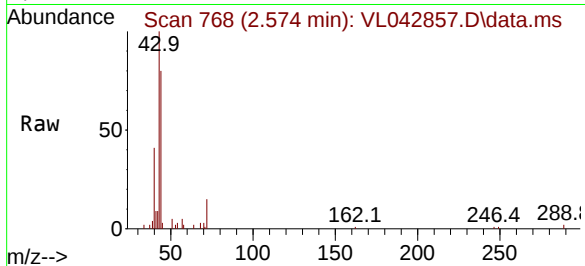




#34  
2-Butanone  
Concen: 0.153 ppbv m  
RT: 2.574 min Scan# 764  
Delta R.T. 0.013 min  
Lab File: VL042857.D  
Acq: 13 Aug 2025 18:21

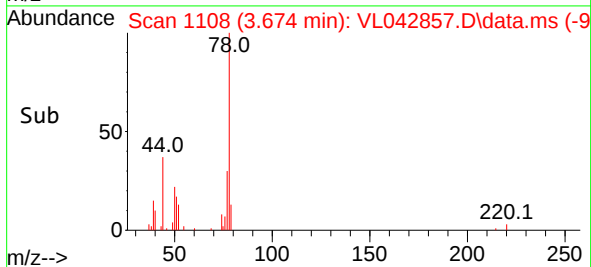
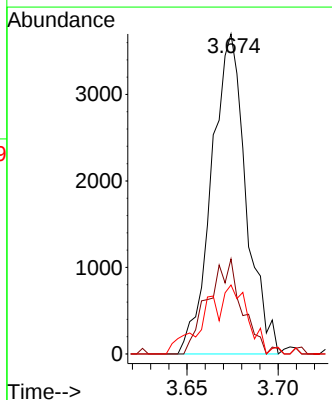
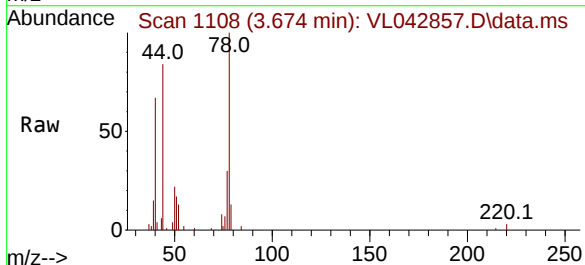
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MSVOA\_L  
ClientSampleId :  
IA1DL

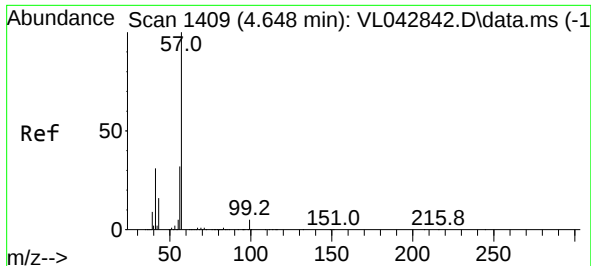
Tgt Ion: 43 Resp: 4200  
Ion Ratio Lower Upper  
43 100  
72 13.1 18.6 28.0#



#36  
Benzene  
Concen: 0.125 ppbv  
RT: 3.674 min Scan# 1108  
Delta R.T. 0.010 min  
Lab File: VL042857.D  
Acq: 13 Aug 2025 18:21

Tgt Ion: 78 Resp: 4851  
Ion Ratio Lower Upper  
78 100  
77 29.7 17.7 26.5#  
50 19.5 13.9 20.9

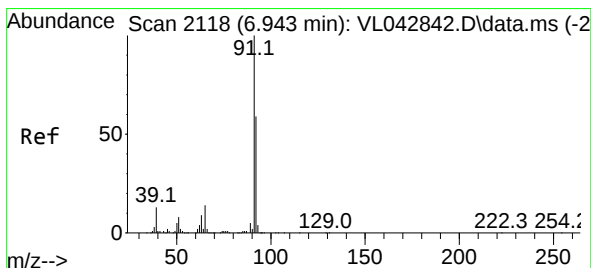
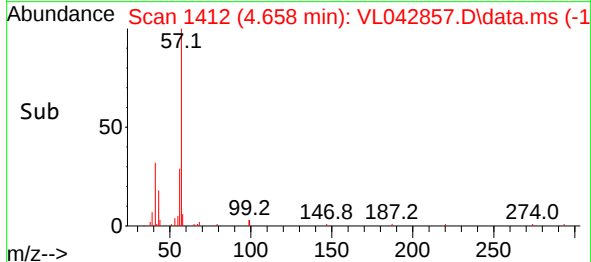
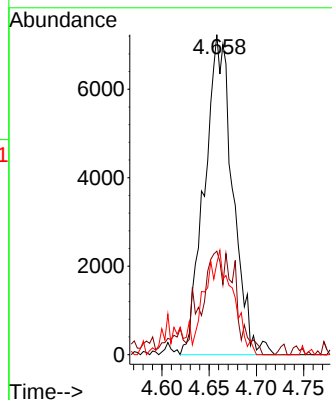
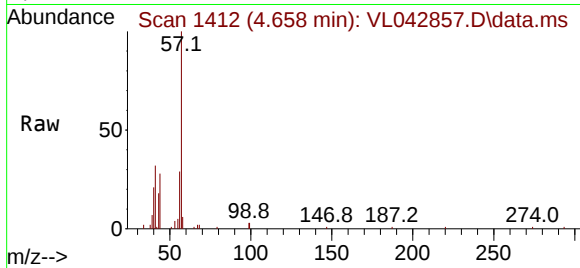




#44  
2,2,4-Trimethylpentane  
Concen: 0.229 ppbv m  
RT: 4.658 min Scan# 1409  
Delta R.T. 0.010 min  
Lab File: VL042857.D  
Acq: 13 Aug 2025 18:21

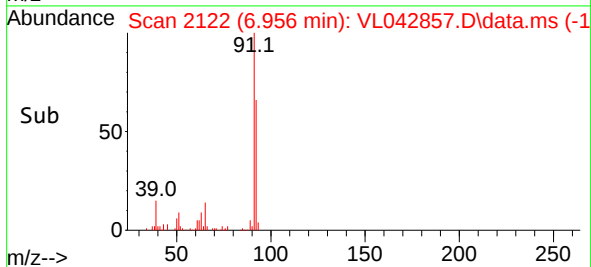
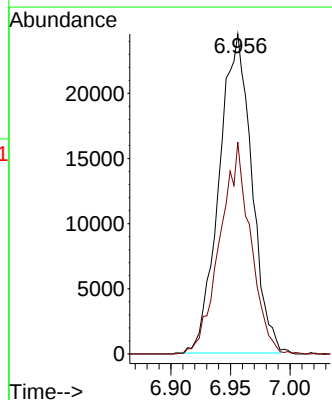
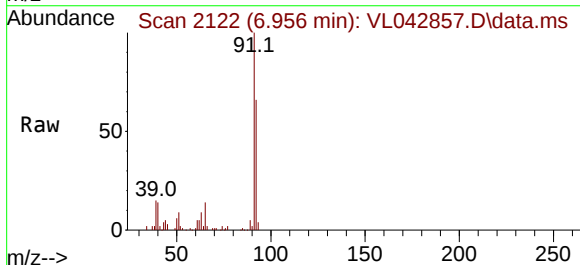
Instrument :  
MSVOA\_L  
ClientSampleId :  
IA1DL

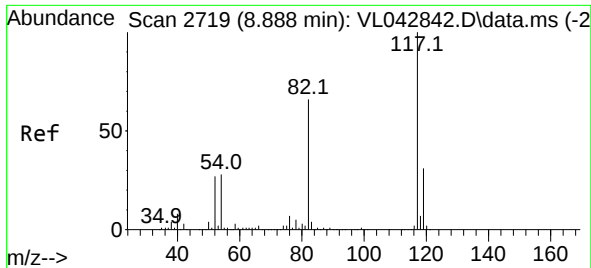
Tgt Ion: 57 Resp: 15104  
Ion Ratio Lower Upper  
57 100  
41 43.7 24.8 37.2#  
56 32.8 25.5 38.3



#53  
Toluene  
Concen: 1.009 ppbv  
RT: 6.956 min Scan# 2122  
Delta R.T. 0.013 min  
Lab File: VL042857.D  
Acq: 13 Aug 2025 18:21

Tgt Ion: 91 Resp: 46683  
Ion Ratio Lower Upper  
91 100  
92 62.1 47.8 71.6

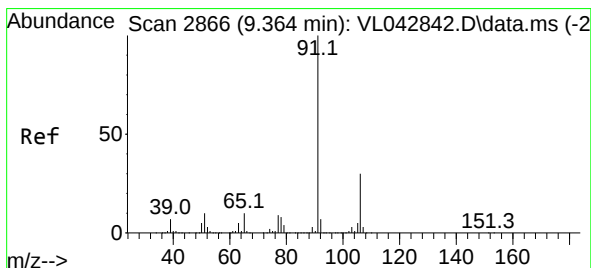
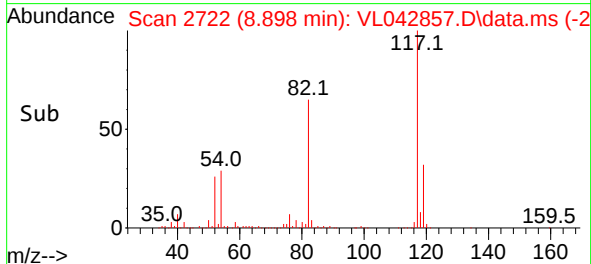
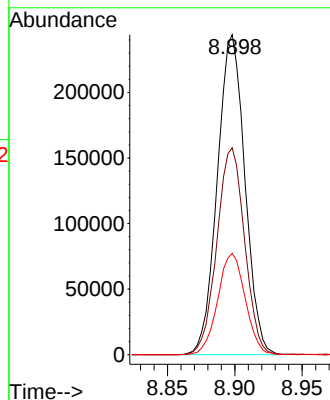
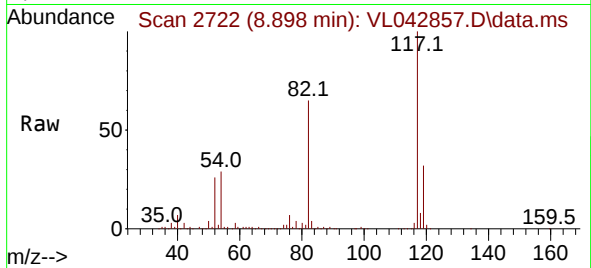




#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 8.898 min Scan# 21  
Delta R.T. 0.010 min  
Lab File: VL042857.D  
Acq: 13 Aug 2025 18:21

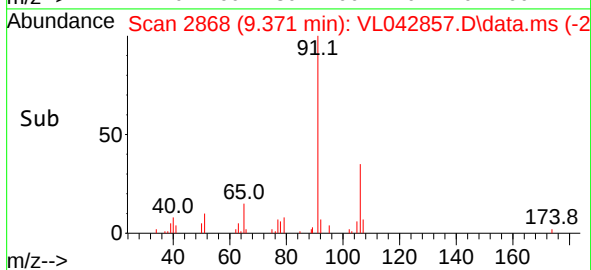
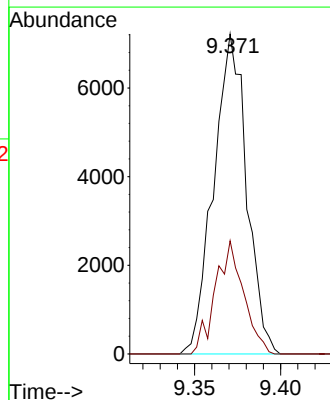
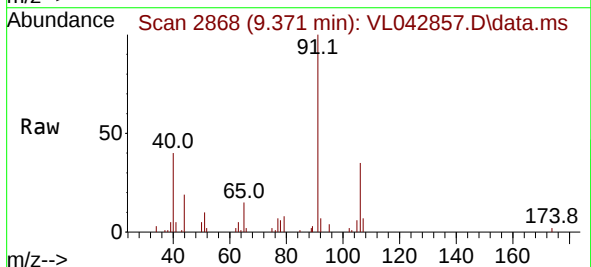
Instrument :  
MSVOA\_L  
ClientSampleId :  
IA1DL

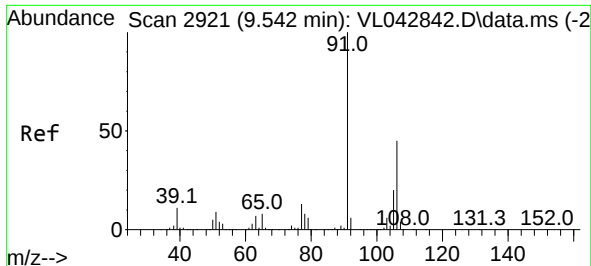
Tgt Ion:117 Resp: 347245  
Ion Ratio Lower Upper  
117 100  
82 65.1 54.6 81.8  
119 31.7 25.9 38.9



#58  
Ethyl Benzene  
Concen: 0.157 ppbv  
RT: 9.371 min Scan# 2868  
Delta R.T. 0.007 min  
Lab File: VL042857.D  
Acq: 13 Aug 2025 18:21

Tgt Ion: 91 Resp: 9634  
Ion Ratio Lower Upper  
91 100  
106 35.4 23.9 35.9





#59

m/p-Xylene

Concen: 0.475 ppbv

RT: 9.549 min Scan# 2921

Delta R.T. 0.007 min

Lab File: VL042857.D

Acq: 13 Aug 2025 18:21

Instrument :

MSVOA\_L

ClientSampleId :

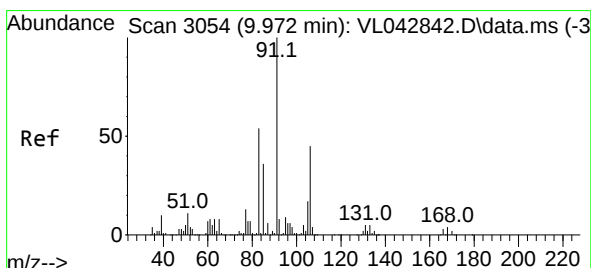
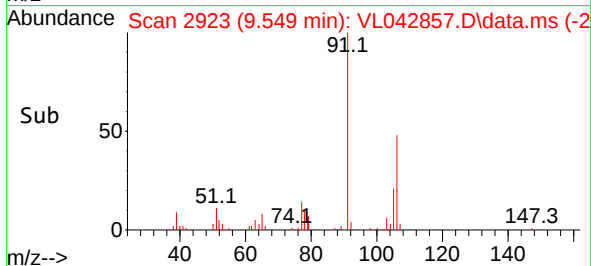
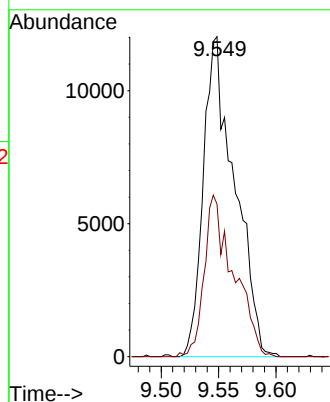
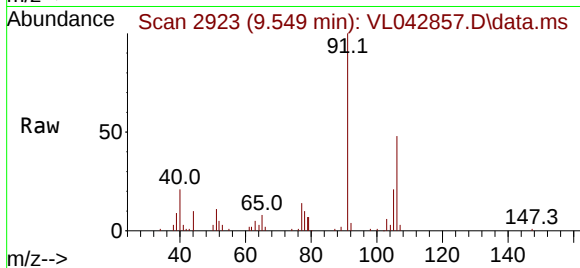
IA1DL

Tgt Ion: 91 Resp: 22807

Ion Ratio Lower Upper

91 100

106 47.3 0.0 0.0#



#60

o-Xylene

Concen: 0.187 ppbv

RT: 9.982 min Scan# 3057

Delta R.T. 0.010 min

Lab File: VL042857.D

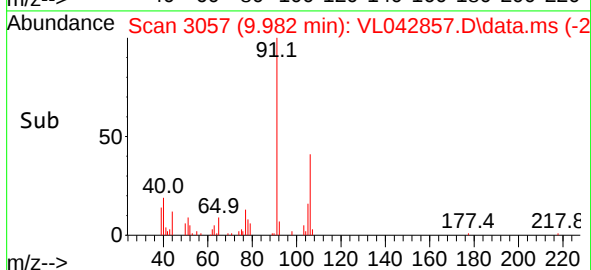
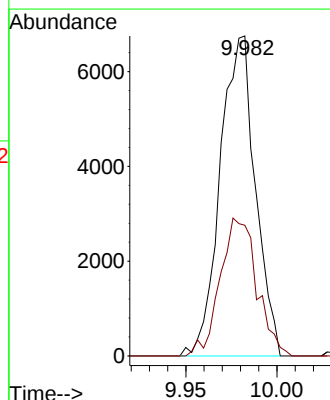
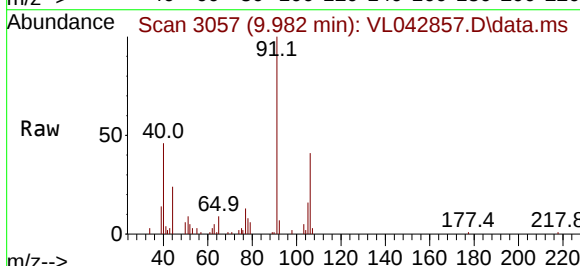
Acq: 13 Aug 2025 18:21

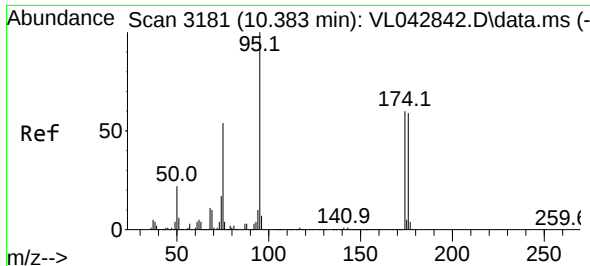
Tgt Ion: 91 Resp: 9054

Ion Ratio Lower Upper

91 100

106 45.0 21.8 65.4

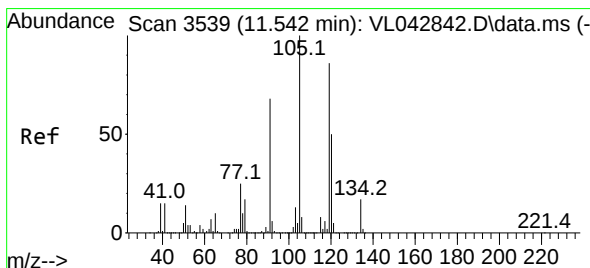
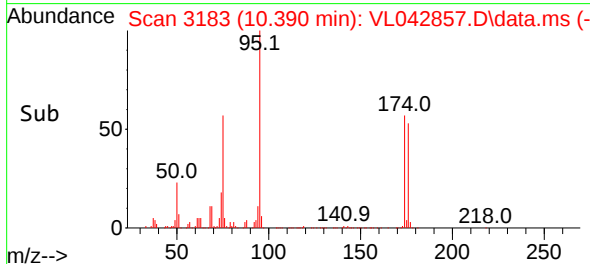
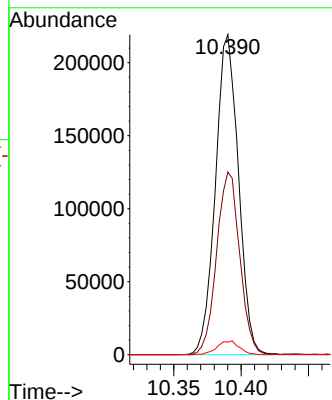
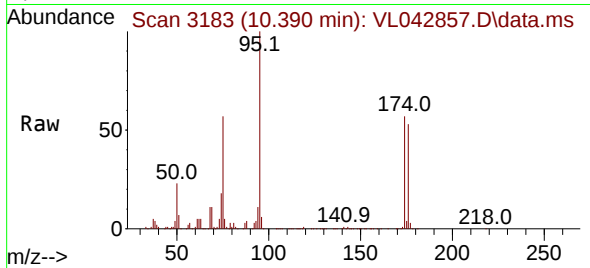




#68  
1-Bromo-4-Fluorobenzene  
Concen: 9.997 ppbv  
RT: 10.390 min Scan# 3181  
Delta R.T. 0.007 min  
Lab File: VL042857.D  
Acq: 13 Aug 2025 18:21

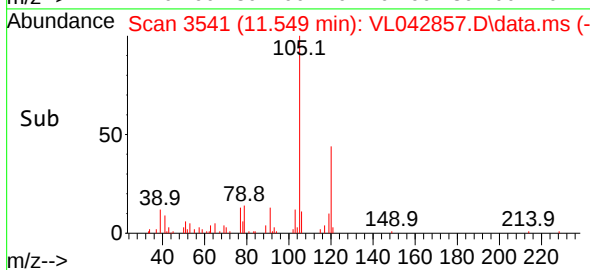
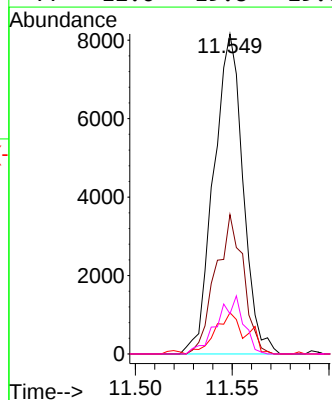
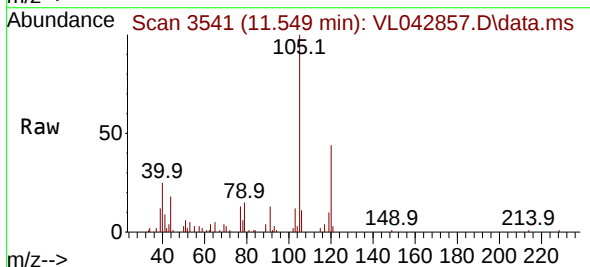
Instrument :  
MSVOA\_L  
ClientSampleId :  
IA1DL

Tgt Ion: 95 Resp: 260346  
Ion Ratio Lower Upper  
95 100  
174 57.4 48.4 72.6  
175 4.2 3.8 5.8



#74  
1,2,4-Trimethylbenzene  
Concen: 0.157 ppbv  
RT: 11.549 min Scan# 3541  
Delta R.T. 0.007 min  
Lab File: VL042857.D  
Acq: 13 Aug 2025 18:21

Tgt Ion: 105 Resp: 8568  
Ion Ratio Lower Upper  
105 100  
120 46.8 39.8 59.6  
91 12.9 54.2 81.4#  
77 12.6 19.8 29.6#



## Report of Analysis

|                    |                             |                 |          |
|--------------------|-----------------------------|-----------------|----------|
| Client:            | GFE LLC                     | Date Collected: | 08/07/25 |
| Project:           | 233 FLORIDA ST ELIZABETH NJ | Date Received:  | 08/07/25 |
| Client Sample ID:  | OA1                         | SDG No.:        | Q2794    |
| Lab Sample ID:     | Q2794-02                    | Matrix:         | Air      |
| Analytical Method: | TO-15                       | Test:           | TO-15    |
| Sample Wt/Vol:     | 400                         | Units:          | mL       |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VL042858.D        | 1         |           | 08/13/25 18:58 | VL081325      |

| CAS Number     | Parameter                      | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | MDL   | LOQ / CRQL | Units |
|----------------|--------------------------------|---------------|----------------|-----------|-------|------------|-------|
| <b>TARGETS</b> |                                |               |                |           |       |            |       |
| 75-71-8        | Dichlorodifluoromethane        | 0.42          | 2.08           | J         | 0.54  | 2.47       | ug/m3 |
| 74-87-3        | Chloromethane                  | 0.45          | 0.93           | J         | 0.21  | 1.03       | ug/m3 |
| 75-01-4        | Vinyl Chloride                 | 0.030         | 0.080          | U         | 0.080 | 0.080      | ug/m3 |
| 74-83-9        | Bromomethane                   | 0.080         | 0.31           | U         | 0.31  | 1.94       | ug/m3 |
| 75-00-3        | Chloroethane                   | 0.15          | 0.40           | U         | 0.40  | 1.32       | ug/m3 |
| 109-99-9       | Tetrahydrofuran                | 0.080         | 0.24           | U         | 0.24  | 1.47       | ug/m3 |
| 75-69-4        | Trichlorofluoromethane         | 0.18          | 1.01           | J         | 0.96  | 2.81       | ug/m3 |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 0.14          | 1.07           | U         | 1.07  | 3.83       | ug/m3 |
| 76-14-2        | Dichlorotetrafluoroethane      | 0.15          | 1.05           | U         | 1.05  | 3.49       | ug/m3 |
| 75-65-0        | tert-Butyl alcohol             | 0.16          | 0.49           | U         | 0.49  | 1.52       | ug/m3 |
| 142-82-5       | Heptane                        | 0.17          | 0.70           | U         | 0.70  | 2.05       | ug/m3 |
| 75-35-4        | 1,1-Dichloroethene             | 0.15          | 0.59           | U         | 0.59  | 1.98       | ug/m3 |
| 67-64-1        | Acetone                        | 7.10          | 16.9           |           | 0.43  | 1.19       | ug/m3 |
| 75-15-0        | Carbon Disulfide               | 0.080         | 0.25           | U         | 0.25  | 1.56       | ug/m3 |
| 1634-04-4      | Methyl tert-Butyl Ether        | 0.23          | 0.83           | U         | 0.83  | 1.80       | ug/m3 |
| 75-09-2        | Methylene Chloride             | 0.30          | 1.04           | J         | 0.80  | 1.74       | ug/m3 |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.12          | 0.48           | U         | 0.48  | 1.98       | ug/m3 |
| 75-34-3        | 1,1-Dichloroethane             | 0.13          | 0.53           | U         | 0.53  | 2.02       | ug/m3 |
| 110-82-7       | Cyclohexane                    | 0.22          | 0.76           | U         | 0.76  | 1.72       | ug/m3 |
| 78-93-3        | 2-Butanone                     | 0.63          | 1.86           |           | 0.18  | 1.47       | ug/m3 |
| 56-23-5        | Carbon Tetrachloride           | 0.070         | 0.44           |           | 0.19  | 0.19       | ug/m3 |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.10          | 0.40           | U         | 0.40  | 1.98       | ug/m3 |
| 67-66-3        | Chloroform                     | 0.10          | 0.49           | U         | 0.49  | 2.44       | ug/m3 |
| 71-55-6        | 1,1,1-Trichloroethane          | 0.020         | 0.11           | U         | 0.11  | 0.16       | ug/m3 |
| 540-84-1       | 2,2,4-Trimethylpentane         | 0.19          | 0.89           | J         | 0.65  | 2.34       | ug/m3 |
| 71-43-2        | Benzene                        | 0.42          | 1.34           | J         | 0.26  | 1.60       | ug/m3 |
| 107-06-2       | 1,2-Dichloroethane             | 0.090         | 0.36           | U         | 0.36  | 2.02       | ug/m3 |
| 79-01-6        | Trichloroethene                | 0.020         | 0.11           | U         | 0.11  | 0.16       | ug/m3 |
| 78-87-5        | 1,2-Dichloropropane            | 0.13          | 0.60           | U         | 0.60  | 2.31       | ug/m3 |
| 75-27-4        | Bromodichloromethane           | 0.060         | 0.40           | U         | 0.40  | 3.35       | ug/m3 |
| 108-10-1       | 4-Methyl-2-Pentanone           | 0.10          | 0.41           | U         | 0.41  | 2.05       | ug/m3 |
| 108-88-3       | Toluene                        | 0.46          | 1.73           | J         | 0.60  | 1.88       | ug/m3 |
| 10061-02-6     | t-1,3-Dichloropropene          | 0.15          | 0.68           | U         | 0.68  | 2.27       | ug/m3 |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.11          | 0.50           | U         | 0.50  | 2.27       | ug/m3 |
| 79-00-5        | 1,1,2-Trichloroethane          | 0.080         | 0.44           | U         | 0.44  | 2.73       | ug/m3 |

## Report of Analysis

|                    |                             |                 |          |
|--------------------|-----------------------------|-----------------|----------|
| Client:            | GFE LLC                     | Date Collected: | 08/07/25 |
| Project:           | 233 FLORIDA ST ELIZABETH NJ | Date Received:  | 08/07/25 |
| Client Sample ID:  | OA1                         | SDG No.:        | Q2794    |
| Lab Sample ID:     | Q2794-02                    | Matrix:         | Air      |
| Analytical Method: | TO-15                       | Test:           | TO-15    |
| Sample Wt/Vol:     | 400                         | Units:          | mL       |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VL042858.D        | 1         |           | 08/13/25 18:58 | VL081325      |

| CAS Number                | Parameter                 | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | MDL      | LOQ / CRQL | Units   |
|---------------------------|---------------------------|---------------|----------------|-----------|----------|------------|---------|
| 124-48-1                  | Dibromochloromethane      | 0.090         | 0.77           | U         | 0.77     | 4.26       | ug/m3   |
| 106-93-4                  | 1,2-Dibromoethane         | 0.090         | 0.69           | U         | 0.69     | 0.77       | ug/m3   |
| 127-18-4                  | Tetrachloroethene         | 0.020         | 0.14           | U         | 0.14     | 0.20       | ug/m3   |
| 108-90-7                  | Chlorobenzene             | 0.080         | 0.37           | U         | 0.37     | 2.30       | ug/m3   |
| 100-41-4                  | Ethyl Benzene             | 0.19          | 0.83           | U         | 0.83     | 2.17       | ug/m3   |
| 179601-23-1               | m/p-Xylene                | 0.41          | 1.78           | U         | 1.78     | 4.34       | ug/m3   |
| 95-47-6                   | o-Xylene                  | 0.21          | 0.91           | U         | 0.91     | 2.17       | ug/m3   |
| 100-42-5                  | Styrene                   | 0.16          | 0.68           | U         | 0.68     | 2.13       | ug/m3   |
| 75-25-2                   | Bromoform                 | 0.050         | 0.52           | U         | 0.52     | 5.17       | ug/m3   |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane | 0.020         | 0.14           | U         | 0.14     | 0.21       | ug/m3   |
| 95-49-8                   | 2-Chlorotoluene           | 0.17          | 0.88           | U         | 0.88     | 2.59       | ug/m3   |
| 108-67-8                  | 1,3,5-Trimethylbenzene    | 0.18          | 0.88           | U         | 0.88     | 2.46       | ug/m3   |
| 95-63-6                   | 1,2,4-Trimethylbenzene    | 0.18          | 0.88           | U         | 0.88     | 2.46       | ug/m3   |
| 541-73-1                  | 1,3-Dichlorobenzene       | 0.050         | 0.30           | U         | 0.30     | 3.01       | ug/m3   |
| 106-46-7                  | 1,4-Dichlorobenzene       | 0.13          | 0.78           | U         | 0.78     | 3.01       | ug/m3   |
| 95-50-1                   | 1,2-Dichlorobenzene       | 0.13          | 0.78           | U         | 0.78     | 3.01       | ug/m3   |
| 120-82-1                  | 1,2,4-Trichlorobenzene    | 0.21          | 1.56           | U         | 1.56     | 3.71       | ug/m3   |
| 87-68-3                   | Hexachloro-1,3-Butadiene  | 0.13          | 1.39           | U         | 1.39     | 5.33       | ug/m3   |
| 106-99-0                  | 1,3-Butadiene             | 0.050         | 0.11           | U         | 0.11     | 1.11       | ug/m3   |
| 91-20-3                   | Naphthalene               | 0.010         | 0.050          | U         | 0.050    | 0.52       | ug/m3   |
| 622-96-8                  | 4-Ethyltoluene            | 0.21          | 1.03           | U         | 1.03     | 2.46       | ug/m3   |
| 110-54-3                  | Hexane                    | 0.25          | 0.88           | J         | 0.56     | 1.76       | ug/m3   |
| 107-05-1                  | Allyl Chloride            | 0.11          | 0.34           | U         | 0.34     | 1.57       | ug/m3   |
| 123-91-1                  | 1,4-Dioxane               | 0.22          | 0.79           | U         | 0.79     | 1.80       | ug/m3   |
| 80-62-6                   | Methyl Methacrylate       | 0.14          | 0.57           | U         | 0.57     | 2.05       | ug/m3   |
| <b>SURROGATES</b>         |                           |               |                |           |          |            |         |
| 460-00-4                  | 1-Bromo-4-Fluorobenzene   | 10.3          |                |           | 65 - 135 | 103%       | SPK: 10 |
| <b>INTERNAL STANDARDS</b> |                           |               |                |           |          |            |         |
| 74-97-5                   | Bromochloromethane        | 131000        |                | 2.794     |          |            |         |
| 540-36-3                  | 1,4-Difluorobenzene       | 396000        |                | 3.969     |          |            |         |
| 3114-55-4                 | Chlorobenzene-d5          | 340000        |                | 8.892     |          |            |         |

## Report of Analysis

|                    |                             |                 |          |
|--------------------|-----------------------------|-----------------|----------|
| Client:            | GFE LLC                     | Date Collected: | 08/07/25 |
| Project:           | 233 FLORIDA ST ELIZABETH NJ | Date Received:  | 08/07/25 |
| Client Sample ID:  | OA1                         | SDG No.:        | Q2794    |
| Lab Sample ID:     | Q2794-02                    | Matrix:         | Air      |
| Analytical Method: | TO-15                       | Test:           | TO-15    |
| Sample Wt/Vol:     | 400                         | Units:          | mL       |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VL042858.D        | 1         |           | 08/13/25 18:58 | VL081325      |

| CAS Number | Parameter | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | MDL | LOQ / CRQL | Units |
|------------|-----------|---------------|----------------|-----------|-----|------------|-------|
|------------|-----------|---------------|----------------|-----------|-----|------------|-------|

U = Not Detected  
 RL = Reporting Limit  
 MDL = Method Detection Limit  
 E = Value Exceeds Calibration Range  
 D = Dilution

J = Estimated Value  
 B = Analyte Found in Associated Method Blank  
 N = Presumptive Evidence of a Compound  
 \* = Values outside of QC limits  
 Q = indicates LCS control criteria did not meet requirements

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL081325\  
 Data File : VL042858.D  
 Acq On : 13 Aug 2025 18:58  
 Operator : SY/MD  
 Sample : Q2794-02  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 OA1

Quant Time: Aug 14 02:21:00 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL081325AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Thu Aug 14 02:12:54 2025  
 Response via : Initial Calibration

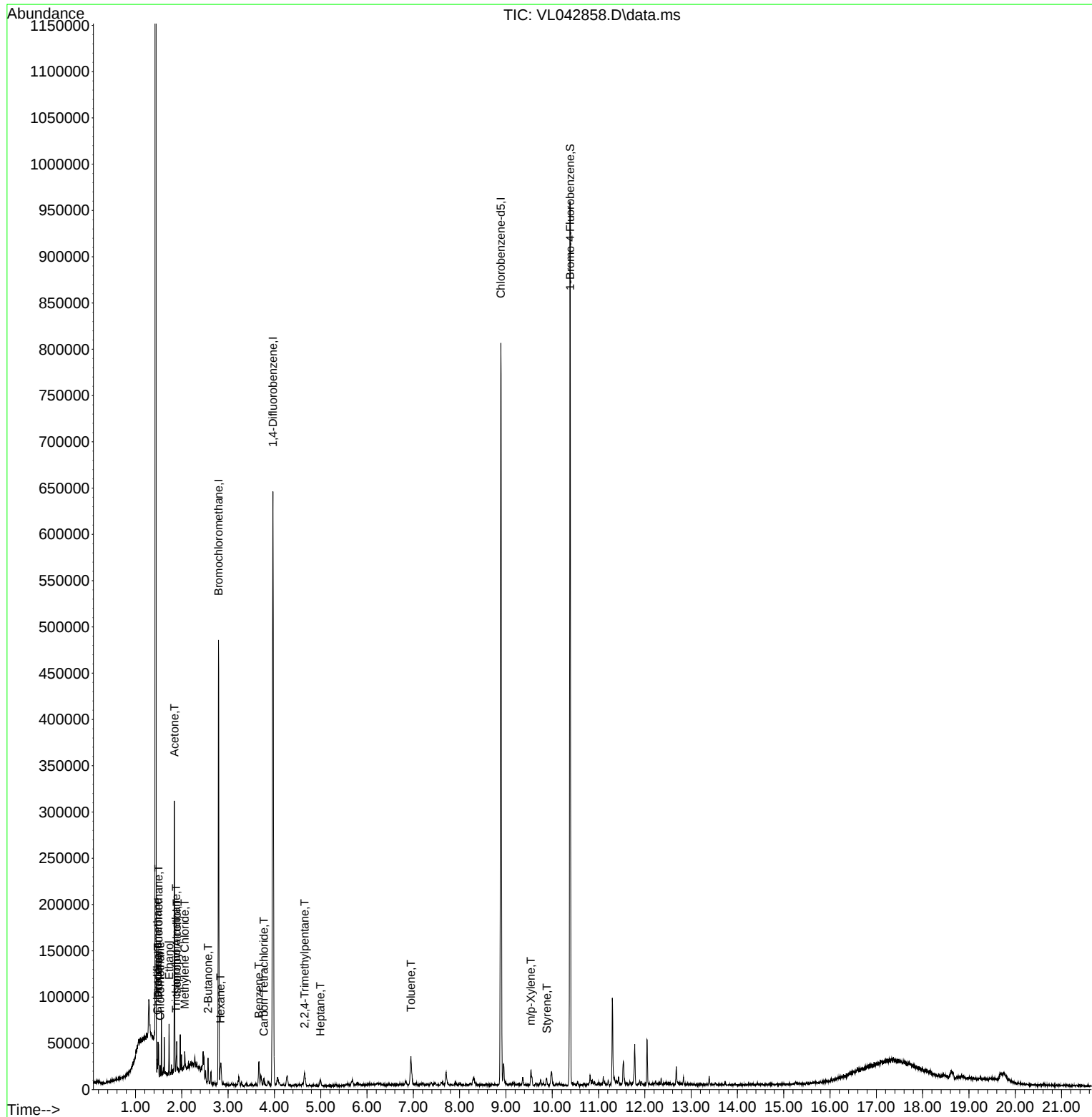
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Bromochloromethane       | 2.794  | 49    | 131022   | 10.000   | ppbv   | 0.00     |
| 33) 1,4-Difluorobenzene     | 3.969  | 114   | 395826   | 10.000   | ppbv   | 0.00     |
| 55) Chlorobenzene-d5        | 8.892  | 117   | 339500   | 10.000   | ppbv   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 68) 1-Bromo-4-Fluorobenzene | 10.387 | 95    | 261906   | 10.286   | ppbv   | 0.00     |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =      | 102.900% |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane  | 1.499  | 85    | 8128     | 0.423    | ppbv   | 96       |
| 3) Chlorodifluoromethane    | 1.476  | 51    | 6227m    | 0.293    | ppbv   |          |
| 4) Chloromethane            | 1.532  | 50    | 3462     | 0.447    | ppbv # | 81       |
| 9) Propene                  | 1.486  | 41    | 4738     | 0.517    | ppbv   | 90       |
| 10) Heptane                 | 4.991  | 43    | 3447m    | 0.140    | ppbv   |          |
| 11) Trichlorofluoromethane  | 1.881  | 101   | 3395     | 0.179    | ppbv   | 86       |
| 13) Ethanol                 | 1.726  | 45    | 18765    | 22.389   | ppbv   | 90       |
| 15) Acetone                 | 1.839  | 43    | 123004   | 7.097    | ppbv   | 99       |
| 19) Isopropyl Alcohol       | 1.891  | 45    | 13946    | 1.347    | ppbv # | 1        |
| 20) Methylene Chloride      | 2.066  | 84    | 2143     | 0.295    | ppbv # | 89       |
| 26) Hexane                  | 2.833  | 57    | 4761     | 0.246    | ppbv # | 53       |
| 34) 2-Butanone              | 2.567  | 43    | 16901    | 0.632    | ppbv   | 97       |
| 35) Carbon Tetrachloride    | 3.774  | 117   | 2003     | 0.073    | ppbv # | 78       |
| 36) Benzene                 | 3.664  | 78    | 15732    | 0.415    | ppbv   | 94       |
| 44) 2,2,4-Trimethylpentane  | 4.652  | 57    | 12206m   | 0.190    | ppbv   |          |
| 53) Toluene                 | 6.950  | 91    | 20514    | 0.455    | ppbv   | 97       |
| 59) m/p-Xylene              | 9.539  | 91    | 9942m    | 0.212    | ppbv   |          |
| 61) Styrene                 | 9.882  | 104   | 2278m    | 0.103    | ppbv   |          |
| -----                       |        |       |          |          |        |          |

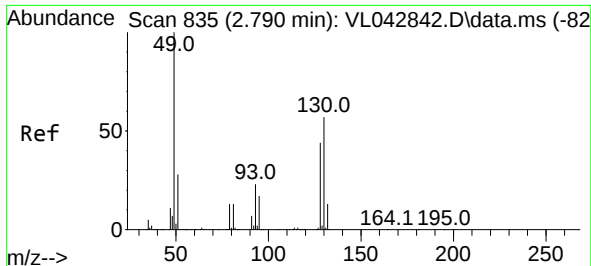
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL081325\  
Data File : VL042858.D  
Acq On : 13 Aug 2025 18:58  
Operator : SY/MD  
Sample : Q2794-02  
Misc : 400mL/MSVOA\_L  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :  
OA1

Quant Time: Aug 14 02:21:00 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL081325AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
QLast Update : Thu Aug 14 02:12:54 2025  
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 2.794 min Scan# 835

Delta R.T. 0.004 min

Lab File: VL042858.D

Acq: 13 Aug 2025 18:58

Instrument :

MSVOA\_L

ClientSampleId :

OA1

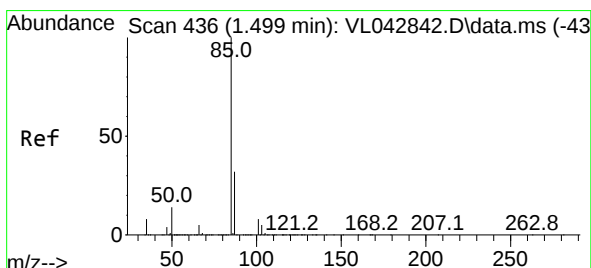
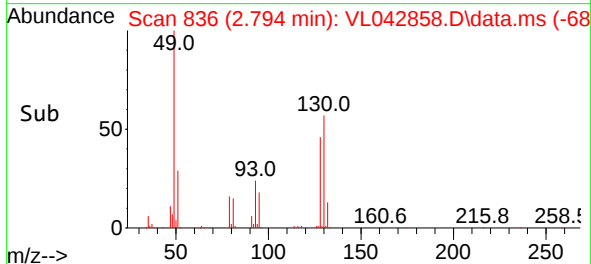
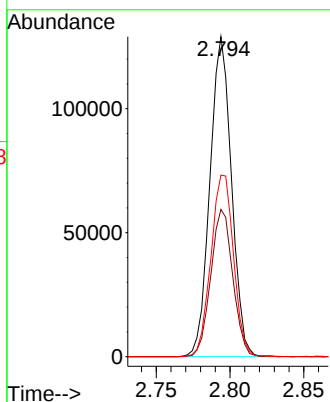
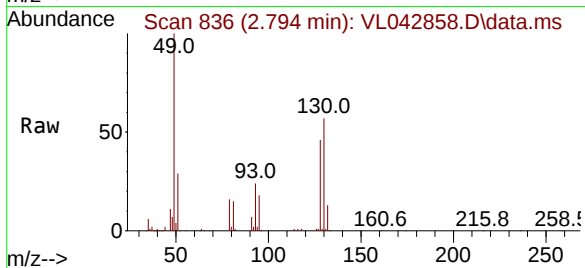
Tgt Ion: 49 Resp: 131022

Ion Ratio Lower Upper

49 100

128 47.1 23.7 71.1

130 59.7 30.6 91.6



#2

Dichlorodifluoromethane

Concen: 0.423 ppbv

RT: 1.499 min Scan# 436

Delta R.T. 0.000 min

Lab File: VL042858.D

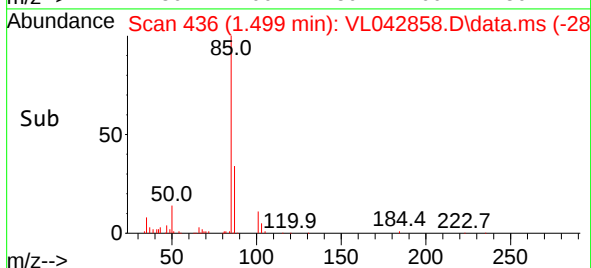
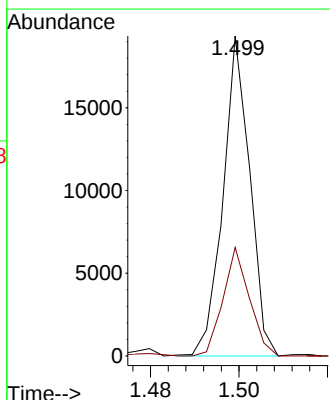
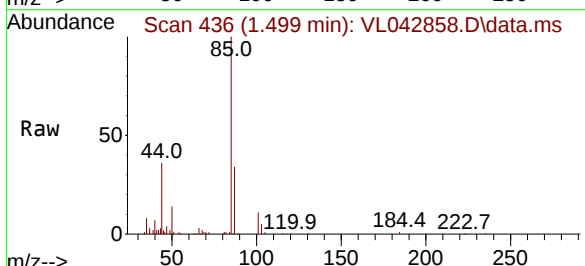
Acq: 13 Aug 2025 18:58

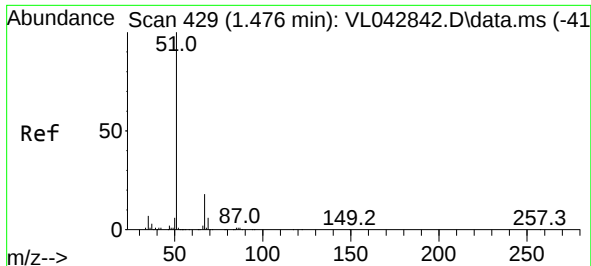
Tgt Ion: 85 Resp: 8128

Ion Ratio Lower Upper

85 100

87 33.9 25.3 37.9

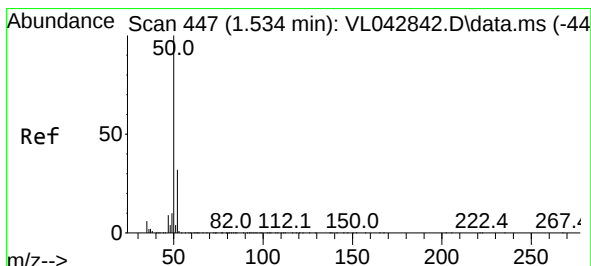
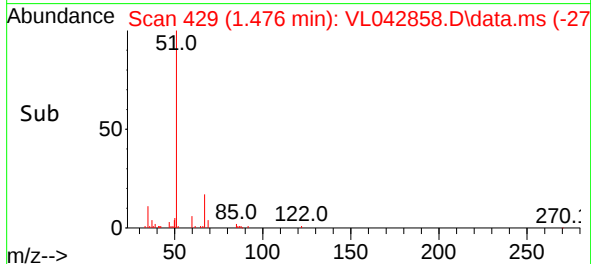
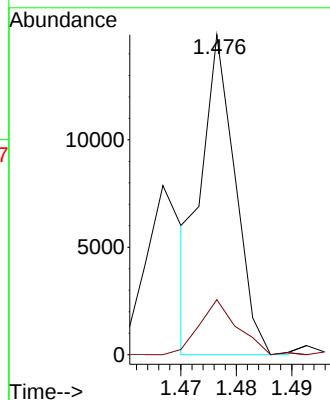
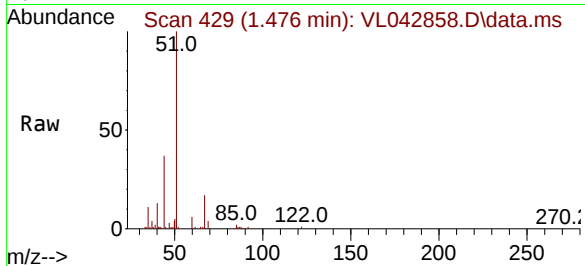




#3  
Chlorodifluoromethane  
Concen: 0.293 ppbv m  
RT: 1.476 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VL042858.D  
Acq: 13 Aug 2025 18:58

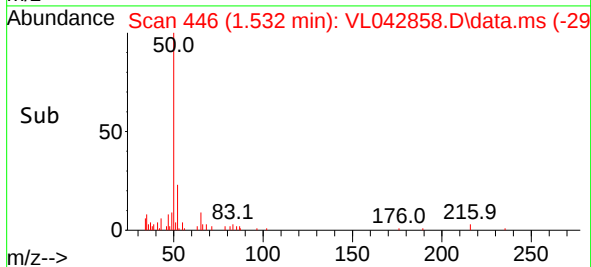
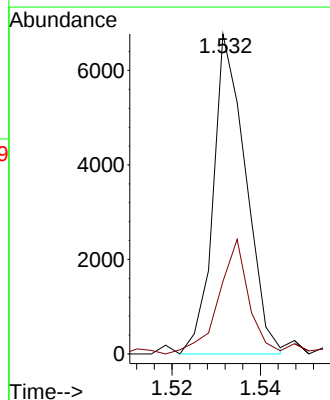
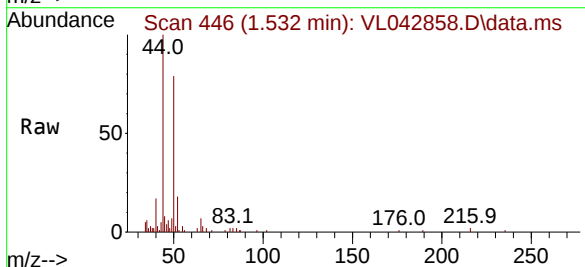
Instrument :  
MSVOA\_L  
ClientSampleId :  
OA1

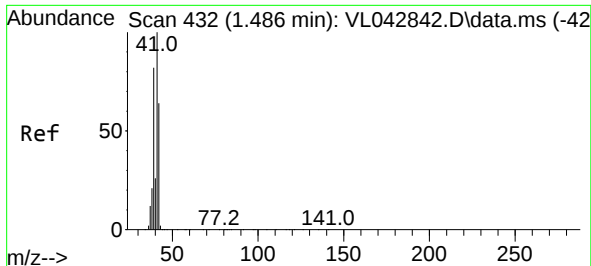
Tgt Ion: 51 Resp: 6227  
Ion Ratio Lower Upper  
51 100  
67 20.7 14.9 22.3



#4  
Chloromethane  
Concen: 0.447 ppbv  
RT: 1.532 min Scan# 446  
Delta R.T. -0.003 min  
Lab File: VL042858.D  
Acq: 13 Aug 2025 18:58

Tgt Ion: 50 Resp: 3462  
Ion Ratio Lower Upper  
50 100  
52 21.6 25.9 38.9#

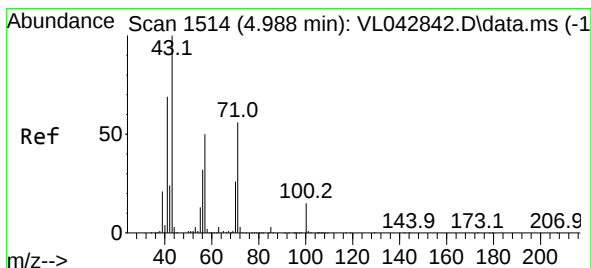
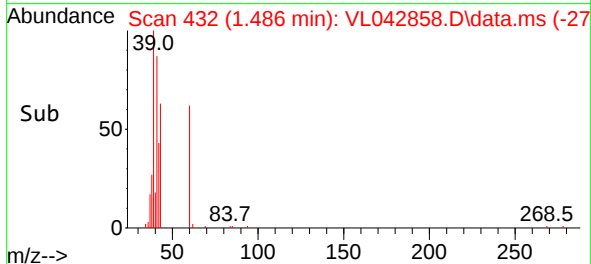
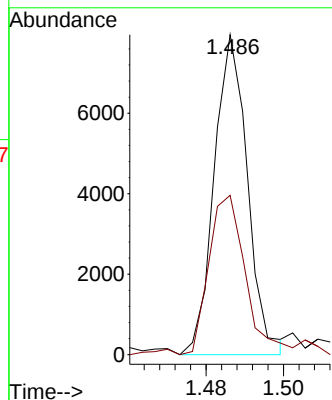
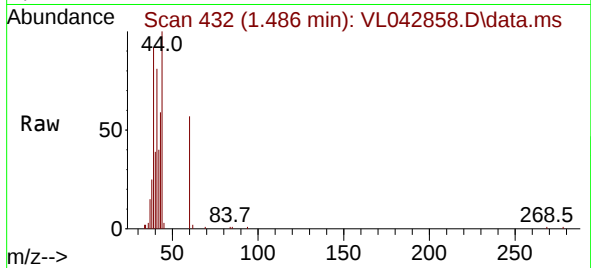




#9  
Propene  
Concen: 0.517 ppbv  
RT: 1.486 min Scan# 41  
Delta R.T. 0.000 min  
Lab File: VL042858.D  
Acq: 13 Aug 2025 18:58

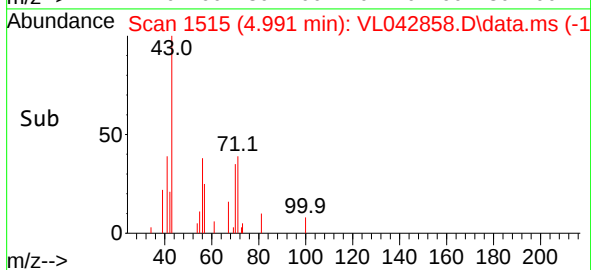
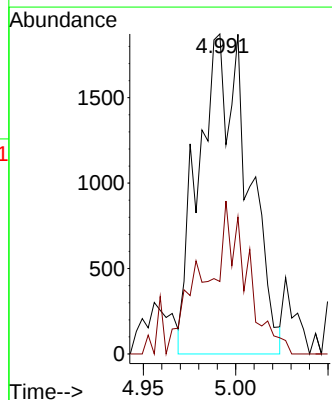
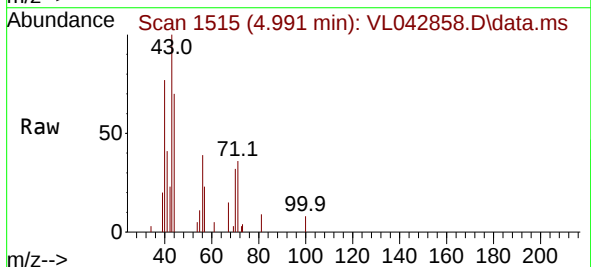
Instrument :  
MSVOA\_L  
ClientSampleId :  
OA1

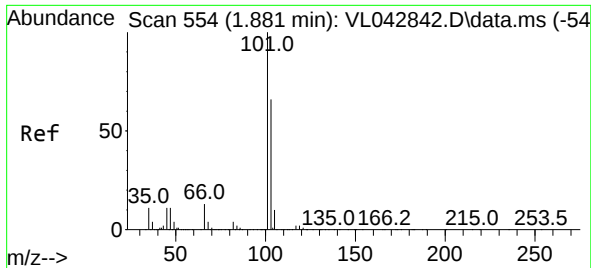
Tgt Ion: 41 Resp: 4738  
Ion Ratio Lower Upper  
41 100  
42 58.3 53.0 79.4



#10  
Heptane  
Concen: 0.140 ppbv m  
RT: 4.991 min Scan# 1515  
Delta R.T. 0.004 min  
Lab File: VL042858.D  
Acq: 13 Aug 2025 18:58

Tgt Ion: 43 Resp: 3447  
Ion Ratio Lower Upper  
43 100  
57 43.6 41.4 62.0

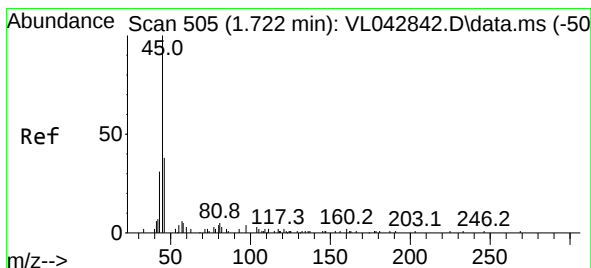
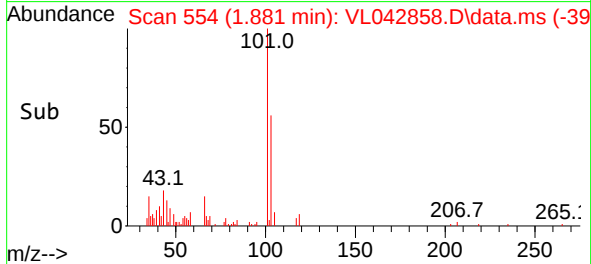
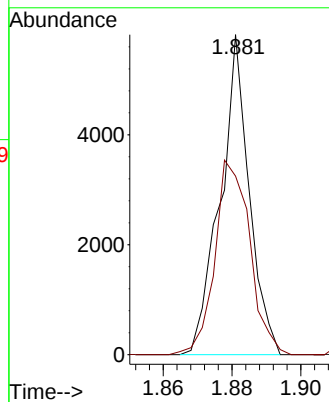
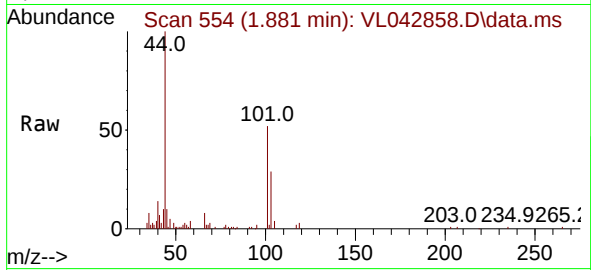




#11  
 Trichlorofluoromethane  
 Concen: 0.179 ppbv  
 RT: 1.881 min Scan# 51  
 Delta R.T. 0.000 min  
 Lab File: VL042858.D  
 Acq: 13 Aug 2025 18:58

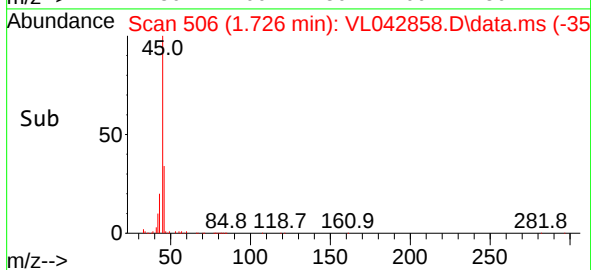
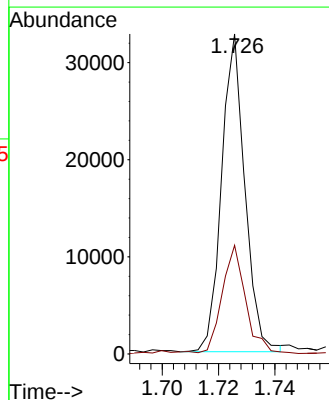
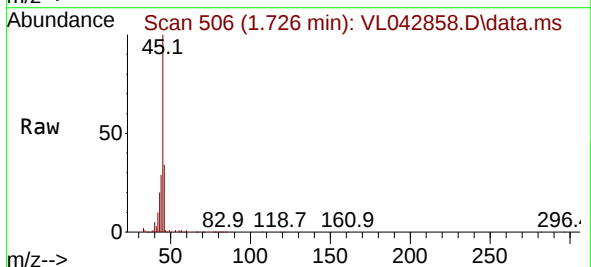
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 OA1

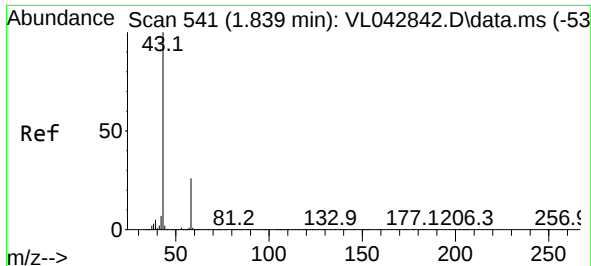
Tgt Ion:101 Resp: 3395  
 Ion Ratio Lower Upper  
 101 100  
 103 54.9 52.5 78.7



#13  
 Ethanol  
 Concen: 22.389 ppbv  
 RT: 1.726 min Scan# 506  
 Delta R.T. 0.004 min  
 Lab File: VL042858.D  
 Acq: 13 Aug 2025 18:58

Tgt Ion: 45 Resp: 18765  
 Ion Ratio Lower Upper  
 45 100  
 46 37.4 17.5 69.9

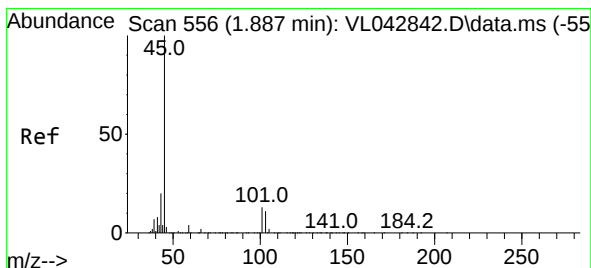
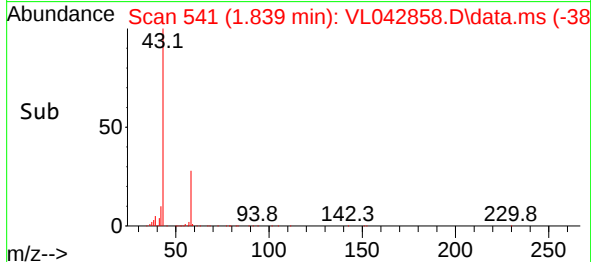
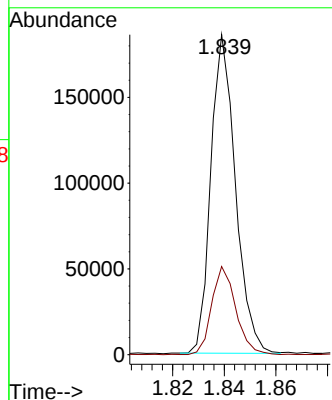
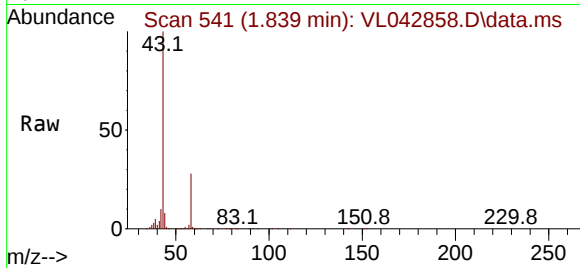




#15  
Acetone  
Concen: 7.097 ppbv  
RT: 1.839 min Scan# 541  
Delta R.T. 0.000 min  
Lab File: VL042858.D  
Acq: 13 Aug 2025 18:58

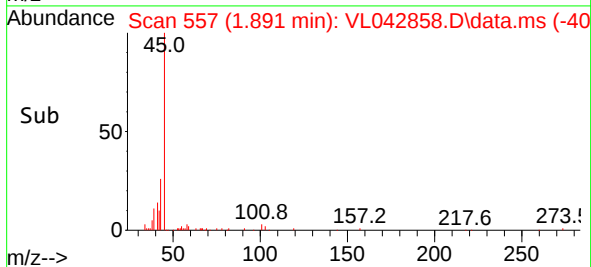
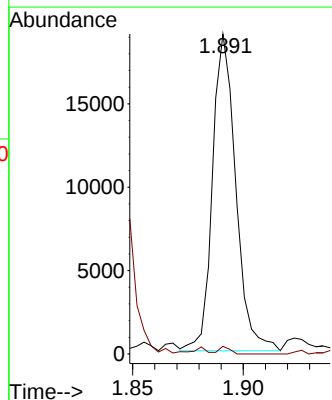
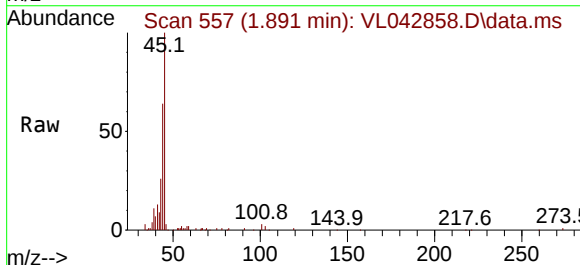
Instrument :  
MSVOA\_L  
ClientSampleId :  
OA1

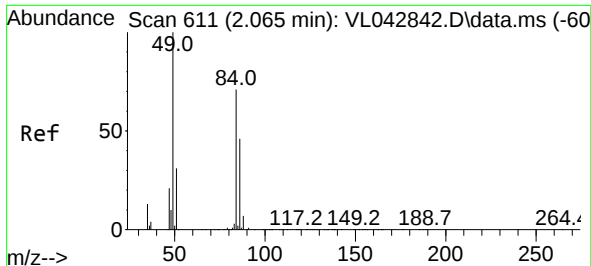
Tgt Ion: 43 Resp: 123004  
Ion Ratio Lower Upper  
43 100  
58 27.6 22.4 33.6



#19  
Isopropyl Alcohol  
Concen: 1.347 ppbv  
RT: 1.891 min Scan# 557  
Delta R.T. 0.004 min  
Lab File: VL042858.D  
Acq: 13 Aug 2025 18:58

Tgt Ion: 45 Resp: 13946  
Ion Ratio Lower Upper  
45 100  
58 243.0 32.7 49.1#

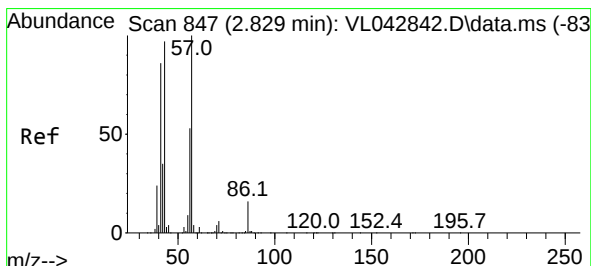
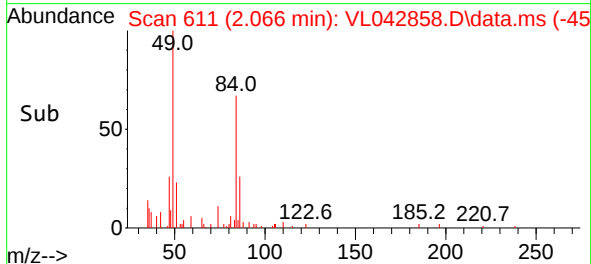
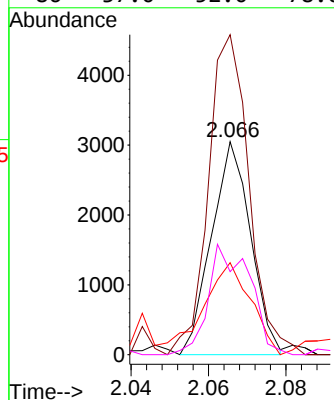
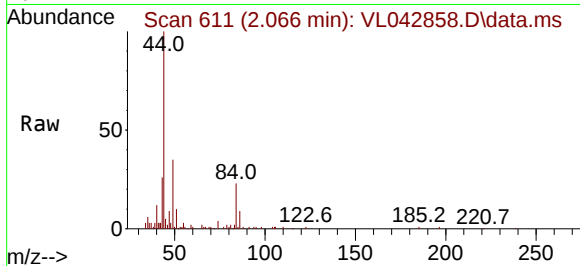




#20  
Methylene Chloride  
Concen: 0.295 ppbv  
RT: 2.066 min Scan# 611  
Delta R.T. 0.000 min  
Lab File: VL042858.D  
Acq: 13 Aug 2025 18:58

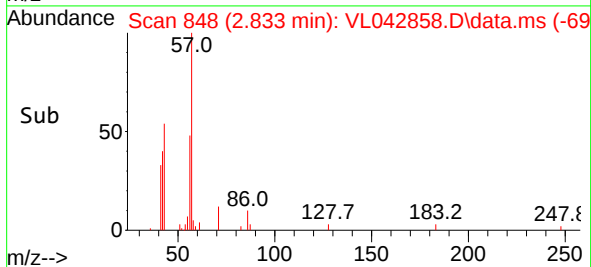
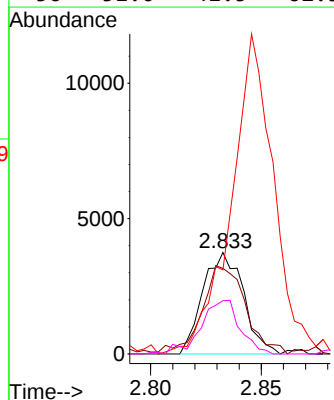
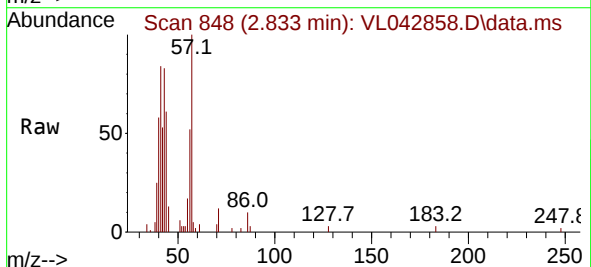
Instrument :  
MSVOA\_L  
ClientSampleId :  
OA1

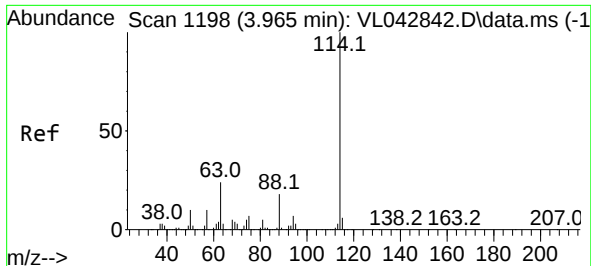
Tgt Ion: 84 Resp: 2143  
Ion Ratio Lower Upper  
84 100  
49 142.2 112.3 168.5  
51 43.2 36.0 54.0  
86 37.0 52.0 78.0#



#26  
Hexane  
Concen: 0.246 ppbv  
RT: 2.833 min Scan# 848  
Delta R.T. 0.004 min  
Lab File: VL042858.D  
Acq: 13 Aug 2025 18:58

Tgt Ion: 57 Resp: 4761  
Ion Ratio Lower Upper  
57 100  
41 96.7 68.6 103.0  
43 324.9 168.5 252.7#  
56 51.0 41.5 62.3





#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.969 min Scan# 1199

Delta R.T. 0.004 min

Lab File: VL042858.D

Acq: 13 Aug 2025 18:58

Instrument :

MSVOA\_L

ClientSampleId :

OA1

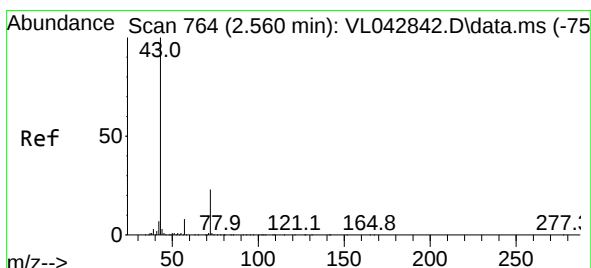
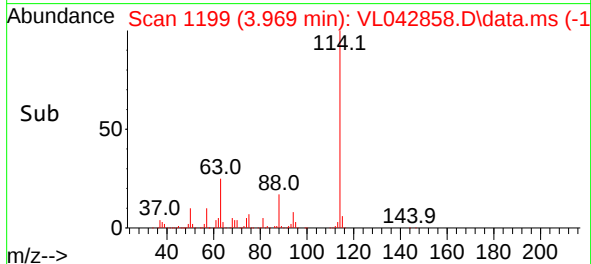
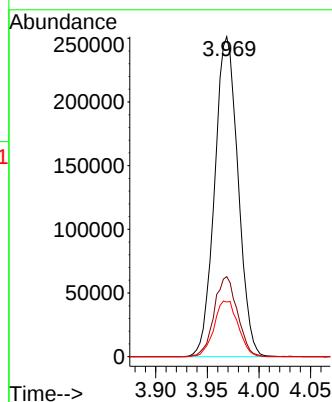
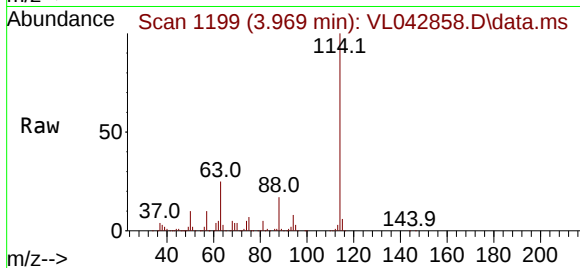
Tgt Ion:114 Resp: 395826

Ion Ratio Lower Upper

114 100

63 24.9 19.7 29.5

88 17.9 14.4 21.6



#34

2-Butanone

Concen: 0.632 ppbv

RT: 2.567 min Scan# 766

Delta R.T. 0.007 min

Lab File: VL042858.D

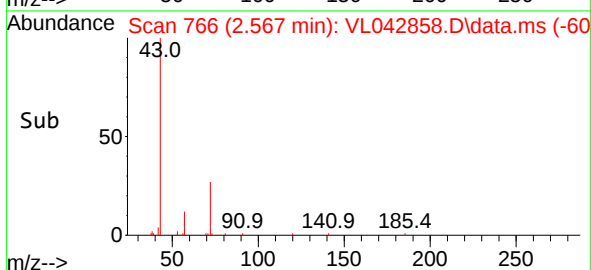
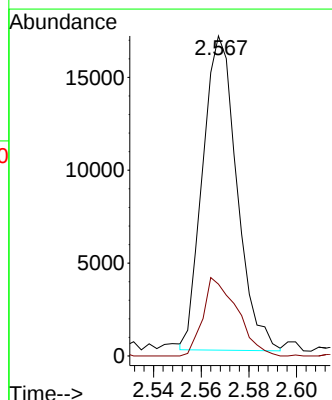
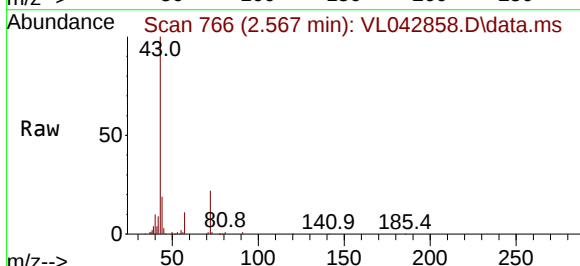
Acq: 13 Aug 2025 18:58

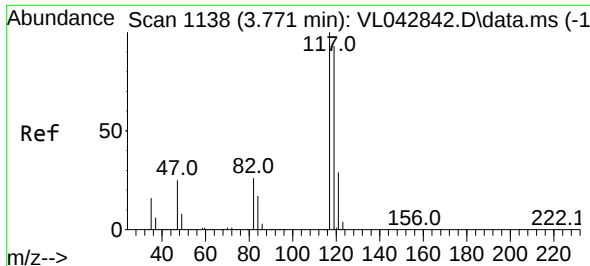
Tgt Ion: 43 Resp: 16901

Ion Ratio Lower Upper

43 100

72 24.9 18.6 28.0

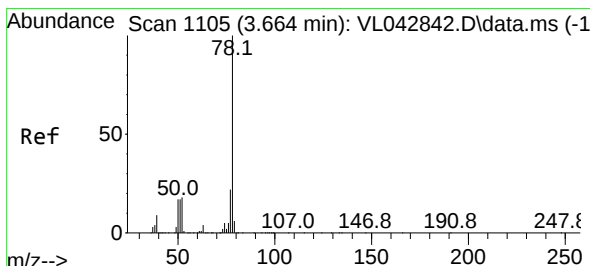
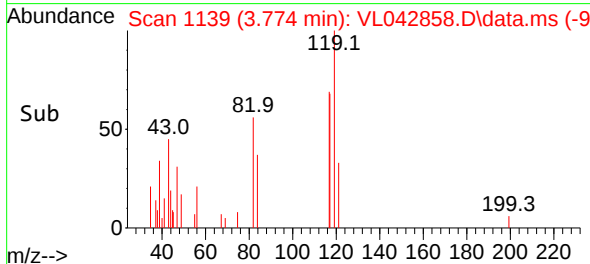
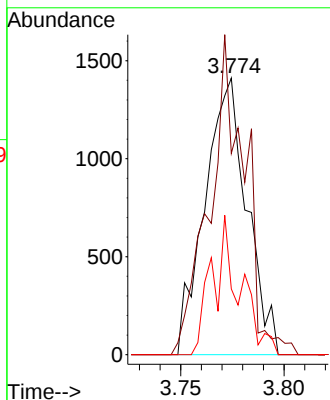
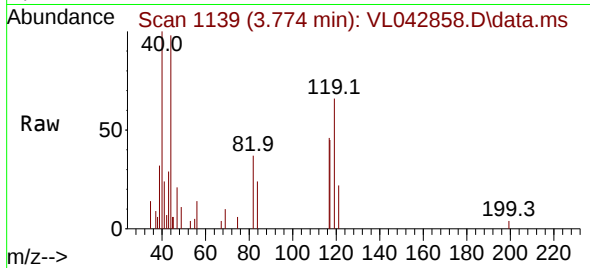




#35  
Carbon Tetrachloride  
Concen: 0.073 ppbv  
RT: 3.774 min Scan# 1138  
Delta R.T. 0.004 min  
Lab File: VL042858.D  
Acq: 13 Aug 2025 18:58

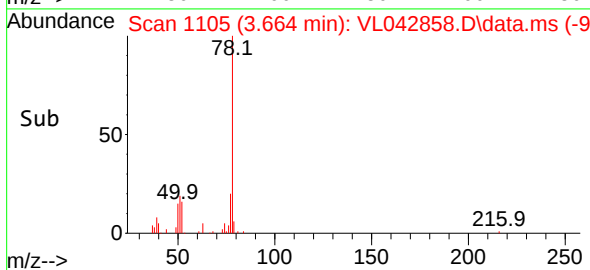
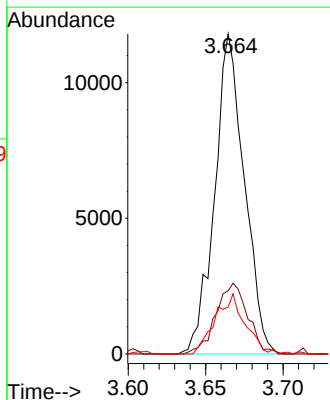
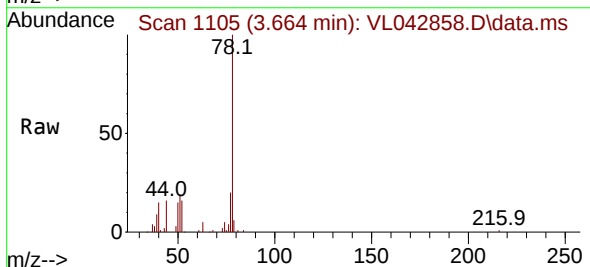
Instrument :  
MSVOA\_L  
ClientSampleId :  
OA1

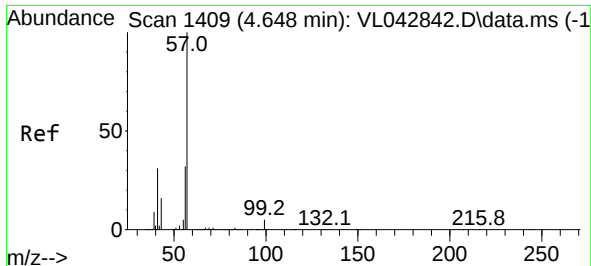
Tgt Ion:117 Resp: 2003  
Ion Ratio Lower Upper  
117 100  
119 68.4 74.7 112.1#  
121 23.8 23.2 34.8



#36  
Benzene  
Concen: 0.415 ppbv  
RT: 3.664 min Scan# 1105  
Delta R.T. 0.000 min  
Lab File: VL042858.D  
Acq: 13 Aug 2025 18:58

Tgt Ion: 78 Resp: 15732  
Ion Ratio Lower Upper  
78 100  
77 19.8 17.7 26.5  
50 14.6 13.9 20.9

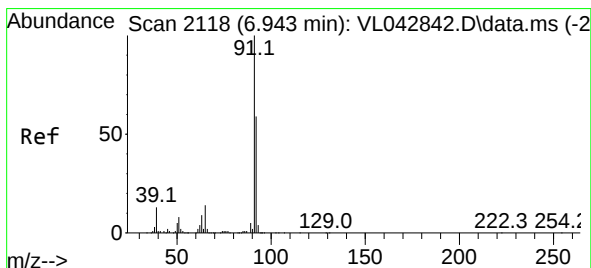
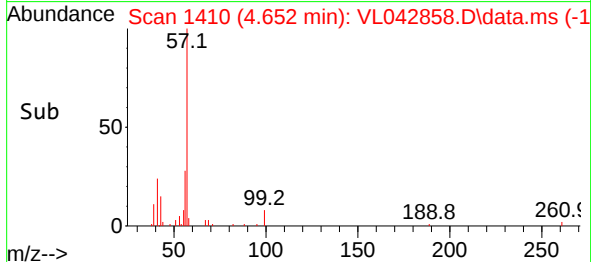
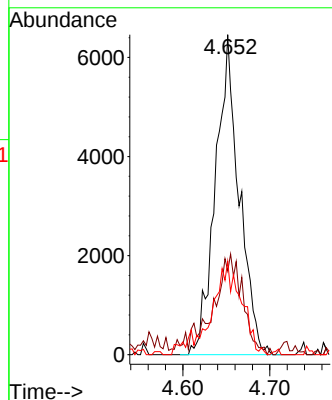
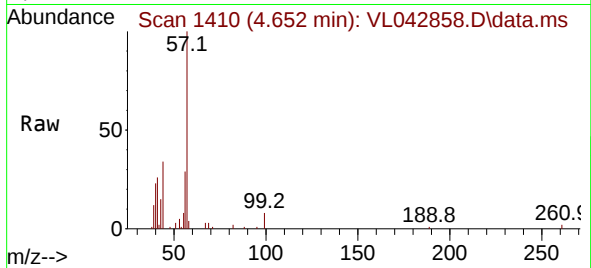




#44  
2,2,4-Trimethylpentane  
Concen: 0.190 ppbv m  
RT: 4.652 min Scan# 1409  
Delta R.T. 0.004 min  
Lab File: VL042858.D  
Acq: 13 Aug 2025 18:58

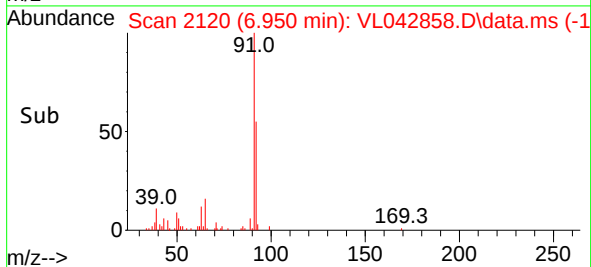
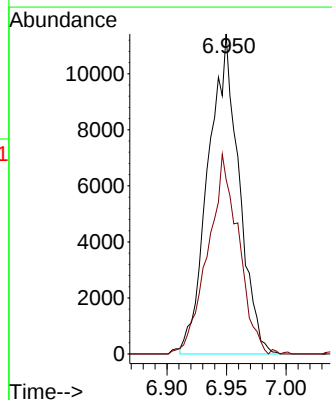
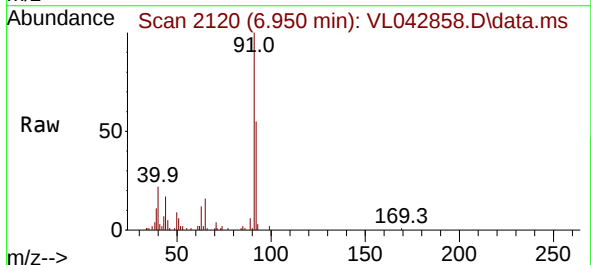
Instrument :  
MSVOA\_L  
ClientSampleId :  
OA1

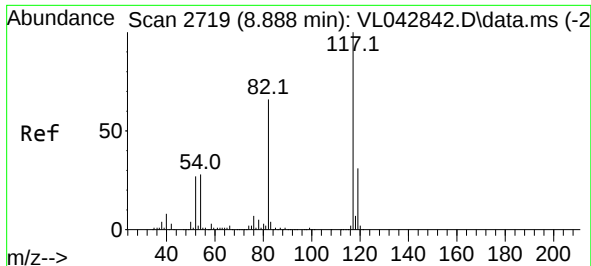
Tgt Ion: 57 Resp: 12206  
Ion Ratio Lower Upper  
57 100  
41 40.7 24.8 37.2#  
56 37.8 25.5 38.3



#53  
Toluene  
Concen: 0.455 ppbv  
RT: 6.950 min Scan# 2120  
Delta R.T. 0.007 min  
Lab File: VL042858.D  
Acq: 13 Aug 2025 18:58

Tgt Ion: 91 Resp: 20514  
Ion Ratio Lower Upper  
91 100  
92 62.2 47.8 71.6

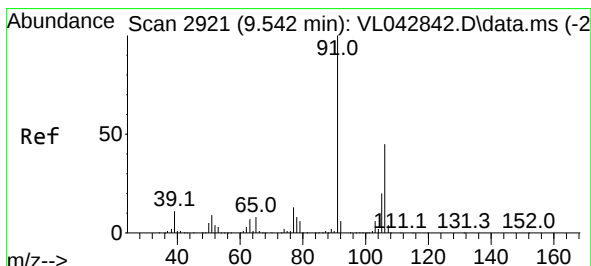
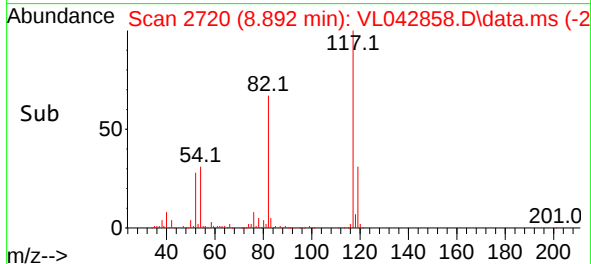
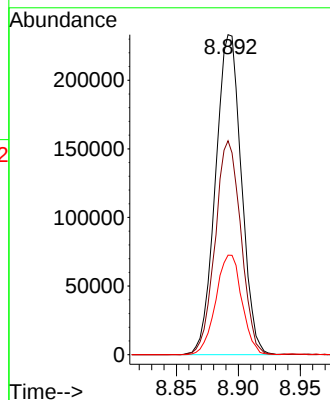
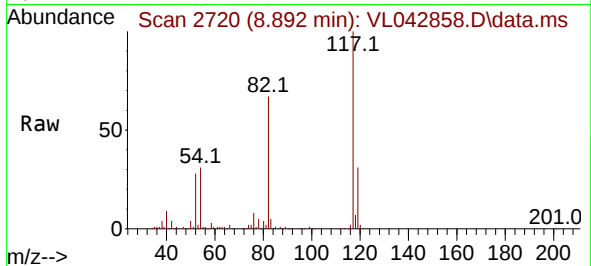




#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 8.892 min Scan# 21  
Delta R.T. 0.004 min  
Lab File: VL042858.D  
Acq: 13 Aug 2025 18:58

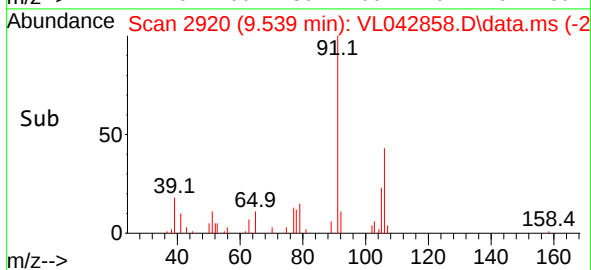
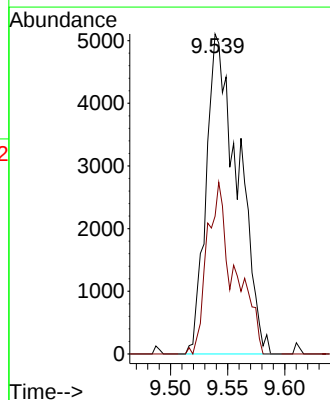
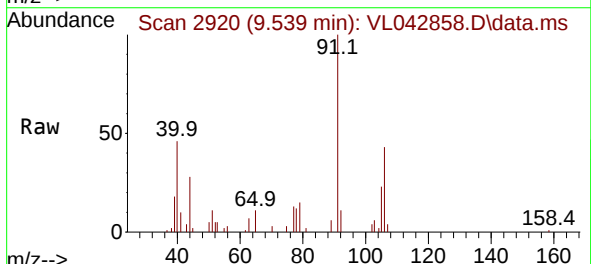
Instrument :  
MSVOA\_L  
ClientSampleId :  
OA1

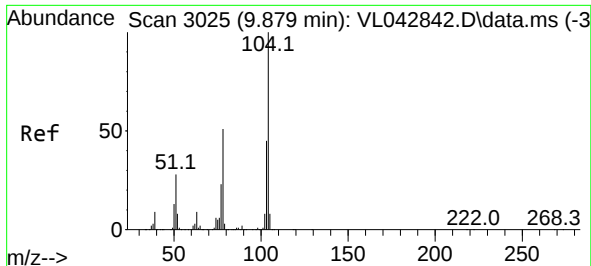
Tgt Ion:117 Resp: 339500  
Ion Ratio Lower Upper  
117 100  
82 66.6 54.6 81.8  
119 31.6 25.9 38.9



#59  
m/p-Xylene  
Concen: 0.212 ppbv m  
RT: 9.539 min Scan# 2920  
Delta R.T. -0.003 min  
Lab File: VL042858.D  
Acq: 13 Aug 2025 18:58

Tgt Ion: 91 Resp: 9942  
Ion Ratio Lower Upper  
91 100  
106 46.3 0.0 0.0#

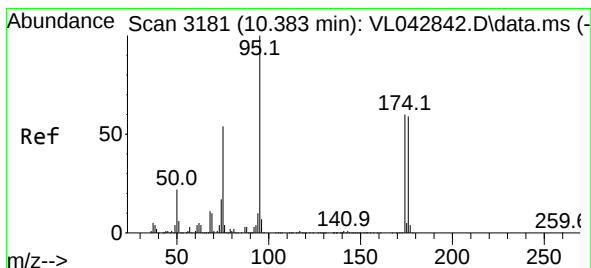
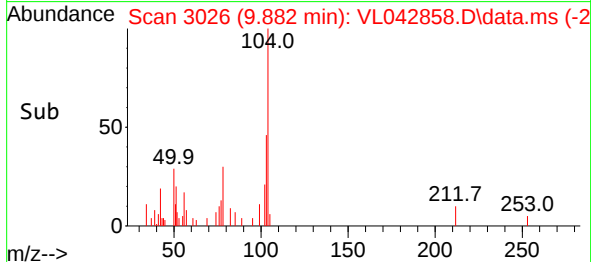
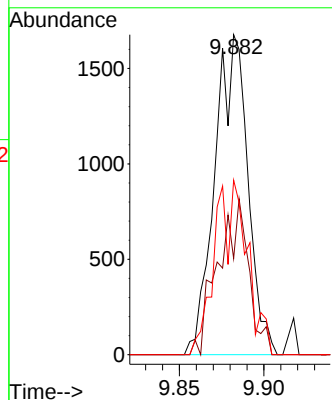
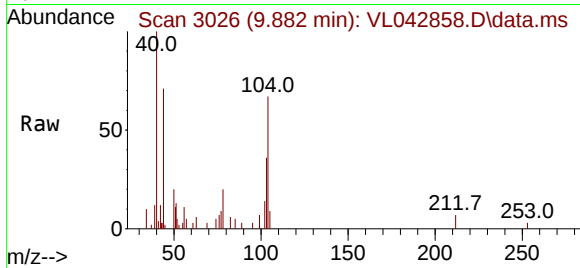




#61  
Styrene  
Concen: 0.103 ppbv m  
RT: 9.882 min Scan# 3025  
Delta R.T. 0.004 min  
Lab File: VL042858.D  
Acq: 13 Aug 2025 18:58

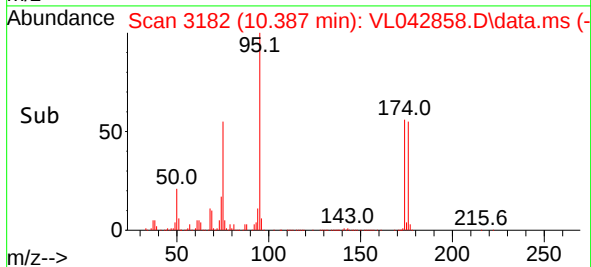
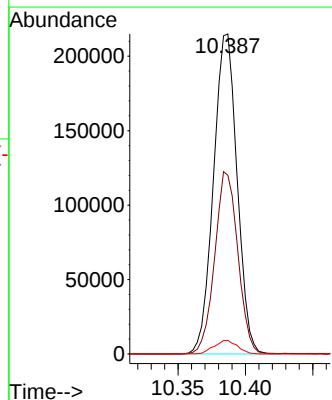
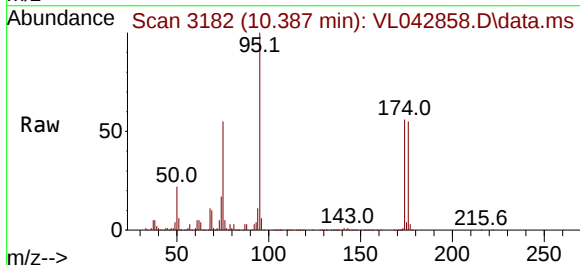
Instrument :  
MSVOA\_L  
ClientSampleId :  
OA1

Tgt Ion:104 Resp: 2278  
Ion Ratio Lower Upper  
104 100  
78 44.9 40.6 61.0  
103 53.5 37.7 56.5



#68  
1-Bromo-4-Fluorobenzene  
Concen: 10.286 ppbv  
RT: 10.387 min Scan# 3182  
Delta R.T. 0.004 min  
Lab File: VL042858.D  
Acq: 13 Aug 2025 18:58

Tgt Ion: 95 Resp: 261906  
Ion Ratio Lower Upper  
95 100  
174 56.0 48.4 72.6  
175 4.2 3.8 5.8





# CALIBRATION SUMMARY

### VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance

Contract: GFEL01

Lab Code: ACE

SDG No.: Q2794

Instrument ID: MSVOA\_L

Calibration Date(s): 08/13/2025 08/13/2025

Heated Purge: (Y/N) N

Calibration Time(s): 08:30 12:06

GC Column: RTX-1 ID: 0.32 (mm)

|                                |        |                     |        |                     |        |                     |       |       |
|--------------------------------|--------|---------------------|--------|---------------------|--------|---------------------|-------|-------|
| LAB FILE ID:                   |        | RRF010 = VL042842.D |        | RRF002 = VL042843.D |        | RRF001 = VL042844.D |       |       |
|                                |        | RRF0.5 = VL042845.D |        | RRF0.1 = VL042846.D |        | RRF.03 = VL042847.D |       |       |
| COMPOUND                       | RRF010 | RRF002              | RRF001 | RRF0.5              | RRF0.1 | RRF.03              | RRF   | % RSD |
| Dichlorodifluoromethane        | 1.343  | 1.511               | 1.525  | 1.566               |        |                     | 1.466 | 6.6   |
| Chloromethane                  | 0.533  | 0.606               | 0.618  | 0.648               |        |                     | 0.591 | 8.1   |
| Vinyl Chloride                 | 0.502  | 0.550               | 0.559  | 0.593               | 0.639  | 0.728               | 0.582 | 13.7  |
| Bromomethane                   | 0.203  | 0.239               | 0.268  | 0.248               |        |                     | 0.233 | 12.1  |
| Chloroethane                   | 0.202  | 0.219               | 0.240  | 0.266               |        |                     | 0.227 | 11.5  |
| Tetrahydrofuran                | 0.355  | 0.392               | 0.389  | 0.395               |        |                     | 0.376 | 5.6   |
| Trichlorofluoromethane         | 1.271  | 1.467               | 1.533  | 1.614               |        |                     | 1.446 | 9.6   |
| 1,1,2-Trichlorotrifluoroethane | 1.047  | 1.189               | 1.202  | 1.259               |        |                     | 1.152 | 8     |
| Dichlorotetrafluoroethane      | 1.122  | 1.245               | 1.235  | 1.274               |        |                     | 1.199 | 6     |
| tert-Butyl alcohol             | 1.371  | 1.557               | 1.660  | 1.920               |        |                     | 1.569 | 15.1  |
| Heptane                        | 1.718  | 1.917               | 2.011  | 2.009               |        |                     | 1.874 | 8     |
| 1,1-Dichloroethene             | 0.469  | 0.532               | 0.509  | 0.552               |        |                     | 0.507 | 7.2   |
| Acetone                        | 0.950  | 1.476               | 1.475  | 1.708               |        |                     | 1.323 | 24.9  |
| Carbon Disulfide               | 1.314  | 1.511               | 1.513  | 1.504               |        |                     | 1.438 | 6.8   |
| Methyl tert-Butyl Ether        | 0.661  | 0.817               | 0.747  | 0.833               |        |                     | 0.754 | 9.6   |
| Methylene Chloride             | 0.414  | 0.544               | 0.596  | 0.792               |        |                     | 0.554 | 27.8  |
| trans-1,2-Dichloroethene       | 0.537  | 0.604               | 0.613  | 0.630               |        |                     | 0.586 | 7.1   |
| 1,1-Dichloroethane             | 1.040  | 1.185               | 1.223  | 1.317               |        |                     | 1.171 | 9.4   |
| Cyclohexane                    | 1.214  | 1.340               | 1.283  | 1.425               |        |                     | 1.296 | 6.9   |
| 2-Butanone                     | 0.610  | 0.700               | 0.702  | 0.753               |        |                     | 0.675 | 9.3   |
| Carbon Tetrachloride           | 0.636  | 0.692               | 0.700  | 0.682               | 0.738  | 0.736               | 0.689 | 5.8   |
| cis-1,2-Dichloroethene         | 1.346  | 1.524               | 1.524  | 1.625               |        |                     | 1.476 | 8.1   |
| Chloroform                     | 1.932  | 2.166               | 2.183  | 2.299               |        |                     | 2.110 | 7.3   |
| 1,1,1-Trichloroethane          | 1.999  | 2.215               | 2.148  | 2.209               | 2.528  | 2.448               | 2.230 | 8.7   |
| 2,2,4-Trimethylpentane         | 1.515  | 1.676               | 1.719  | 1.728               |        |                     | 1.625 | 7.1   |
| Benzene                        | 0.912  | 0.990               | 0.978  | 1.013               |        |                     | 0.958 | 5.3   |
| 1,2-Dichloroethane             | 0.483  | 0.503               | 0.516  | 0.512               |        |                     | 0.500 | 2.9   |
| Trichloroethene                | 0.399  | 0.453               | 0.448  | 0.501               | 0.448  | 0.416               | 0.437 | 8.3   |
| 1,2-Dichloropropane            | 0.324  | 0.356               | 0.365  | 0.378               |        |                     | 0.350 | 6.8   |
| Bromodichloromethane           | 0.708  | 0.777               | 0.742  | 0.786               |        |                     | 0.745 | 4.8   |

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

### VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance

Contract: GFEL01

Lab Code: ACE

SDG No.: Q2794

Instrument ID: MSVOA\_L

Calibration Date(s): 08/13/2025 08/13/2025

Heated Purge: (Y/N) N

Calibration Time(s): 08:30 12:06

GC Column: RTX-1 ID: 0.32 (mm)

|                           |         |                     |         |                     |        |                     |         |       |
|---------------------------|---------|---------------------|---------|---------------------|--------|---------------------|---------|-------|
| LAB FILE ID:              |         | RRF010 = VL042842.D |         | RRF002 = VL042843.D |        | RRF001 = VL042844.D |         |       |
|                           |         | RRF0.5 = VL042845.D |         | RRF0.1 = VL042846.D |        | RRF.03 = VL042847.D |         |       |
| COMPOUND                  | RRF010  | RRF002              | RRF001  | RRF0.5              | RRF0.1 | RRF.03              | RRF     | % RSD |
| 4-Methyl-2-Pentanone      | 0.881   | 0.946               | 0.917   | 0.960               |        |                     | 0.913   | 4.7   |
| Toluene                   | 1.072   | 1.160               | 1.181   | 1.219               |        |                     | 1.138   | 6.1   |
| t-1,3-Dichloropropene     | 0.428   | 0.456               | 0.464   | 0.450               |        |                     | 0.445   | 3.7   |
| cis-1,3-Dichloropropene   | 0.539   | 0.578               | 0.559   | 0.568               |        |                     | 0.555   | 3.7   |
| 1,1,2-Trichloroethane     | 0.341   | 0.386               | 0.382   | 0.395               |        |                     | 0.371   | 6.5   |
| Dibromochloromethane      | 0.584   | 0.632               | 0.605   | 0.596               |        |                     | 0.600   | 3.4   |
| 1,2-Dibromoethane         | 0.506   | 0.552               | 0.532   | 0.549               | 0.599  |                     | 0.542   | 6.2   |
| Tetrachloroethene         | 0.313   | 0.345               | 0.333   | 0.369               | 0.379  | 0.391               | 0.346   | 10.2  |
| Chlorobenzene             | 0.878   | 0.994               | 0.990   | 1.026               |        |                     | 0.951   | 7.7   |
| Ethyl Benzene             | 1.636   | 1.838               | 1.866   | 1.854               |        |                     | 1.765   | 6.8   |
| m/p-Xylene                | 1.283   | 1.455               | 1.454   | 1.447               |        |                     | 1.383   | 6.8   |
| o-Xylene                  | 1.266   | 1.445               | 1.472   | 1.532               |        |                     | 1.391   | 9.3   |
| Styrene                   | 0.610   | 0.660               | 0.677   | 0.711               |        |                     | 0.652   | 7.1   |
| Bromoform                 | 0.491   | 0.535               | 0.514   | 0.466               |        |                     | 0.495   | 6.1   |
| 1,1,2,2-Tetrachloroethane | 0.674   | 0.772               | 0.784   | 0.795               | 0.774  | 0.881               | 0.765   | 9.4   |
| 2-Chlorotoluene           | 1.418   | 1.641               | 1.719   | 1.709               |        |                     | 1.579   | 9.8   |
| 1,3,5-Trimethylbenzene    | 1.293   | 1.512               | 1.535   | 1.548               |        |                     | 1.434   | 9.4   |
| 1,2,4-Trimethylbenzene    | 1.394   | 1.698               | 1.706   | 1.710               |        |                     | 1.574   | 11.3  |
| 1,3-Dichlorobenzene       | 0.831   | 0.967               | 0.946   | 0.937               |        |                     | 0.895   | 8.6   |
| 1,4-Dichlorobenzene       | 0.833   | 0.978               | 0.946   | 0.966               |        |                     | 0.905   | 8.9   |
| 1,2-Dichlorobenzene       | 0.781   | 0.947               | 0.956   | 0.937               |        |                     | 0.876   | 11    |
| 1,2,4-Trichlorobenzene    | 0.661   | 0.855               | 0.797   | 0.623               |        |                     | 0.717   | 14.2  |
| Hexachloro-1,3-Butadiene  | 0.572   | 0.804               | 0.845   | 0.814               |        |                     | 0.718   | 19.7  |
| 1,3-Butadiene             | 0.500   | 0.579               | 0.633   | 0.783               |        |                     | 0.600   | 19.5  |
| Naphthalene               | 1.315   | 1.746               | 1.647   | 1.383               | 1.174  |                     | 1.427   | 15.5  |
| 4-Ethyltoluene            | 1.563   | 1.784               | 1.806   | 1.738               |        |                     | 1.687   | 7.4   |
| 1-Bromo-4-Fluorobenzene   | 0.755   | 0.744               | 0.760   | 0.755               | 0.746  | 0.736               | 0.750   | 1.1   |
| Hexane                    | 1.392   | 1.522               | 1.552   | 1.557               |        |                     | 1.478   | 6.2   |
| Allyl Chloride            | 0.850   | 0.945               | 0.902   | 1.122               |        |                     | 0.935   | 12    |
| 1,4-Dioxane               | 148.388 | 165.505             | 184.509 | 188.914             |        |                     | 166.304 | 12.2  |

\* 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.

# VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: GFEL01  
 Lab Code: ACE SDG No.: Q2794  
 Instrument ID: MSVOA\_L Calibration Date(s): 08/13/2025 08/13/2025  
 Heated Purge: (Y/N) N Calibration Time(s): 08:30 12:06  
 GC Column: RTX-1 ID: 0.32 (mm)

|                     |        |                     |        |                     |        |                     |       |       |
|---------------------|--------|---------------------|--------|---------------------|--------|---------------------|-------|-------|
| LAB FILE ID:        |        | RRF010 = VL042842.D |        | RRF002 = VL042843.D |        | RRF001 = VL042844.D |       |       |
|                     |        | RRF0.5 = VL042845.D |        | RRF0.1 = VL042846.D |        | RRF.03 = VL042847.D |       |       |
| COMPOUND            | RRF010 | RRF002              | RRF001 | RRF0.5              | RRF0.1 | RRF.03              | RRF   | % RSD |
| Methyl Methacrylate | 0.368  | 0.415               | 0.402  | 0.427               |        |                     | 0.394 | 7.3   |

\* 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.

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL081325\  
 Data File : VL042842.D  
 Acq On : 13 Aug 2025 08:30  
 Operator : SY/MD  
 Sample : VSTDICCC010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDICCC010

Quant Time: Aug 14 01:45:27 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL081325AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Thu Aug 14 01:44:36 2025  
 Response via : Initial Calibration

| Compound                | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|-------|------|----------|--------|-------|----------|
| -----                   |       |      |          |        |       |          |
| Internal Standards      |       |      |          |        |       |          |
| 1) Bromochloromethane   | 2.790 | 49   | 133104   | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 3.965 | 114  | 413632   | 10.000 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 8.888 | 117  | 370372   | 10.000 | ppbv  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 68) 1-Bromo-4-Fluorobenzene | 10.383 | 95    | 279557   | 10.064   | ppbv | 0.00     |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 100.600% |

| Target Compounds              |       |     |        |       |        | Qvalue |
|-------------------------------|-------|-----|--------|-------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.499 | 85  | 178799 | 9.166 | ppbv   | 100    |
| 3) Chlorodifluoromethane      | 1.476 | 51  | 200866 | 9.306 | ppbv   | 100    |
| 4) Chloromethane              | 1.534 | 50  | 70952  | 9.013 | ppbv   | 100    |
| 5) Vinyl Chloride             | 1.583 | 62  | 66768  | 8.612 | ppbv   | 100    |
| 6) Bromomethane               | 1.670 | 94  | 26964  | 8.698 | ppbv   | 100    |
| 7) Chloroethane               | 1.706 | 64  | 26884  | 8.879 | ppbv   | 100    |
| 8) Dichlorotetrafluoroethane  | 1.557 | 85  | 149341 | 9.355 | ppbv   | 100    |
| 9) Propene                    | 1.486 | 41  | 87352  | 9.380 | ppbv   | 100    |
| 10) Heptane                   | 4.988 | 43  | 228679 | 9.186 | ppbv   | 100    |
| 11) Trichlorofluoromethane    | 1.881 | 101 | 169157 | 8.789 | ppbv   | 100    |
| 12) 1,1,2-Trichlorotrifluo... | 2.143 | 101 | 139340 | 9.083 | ppbv   | 100    |
| 13) Ethanol                   | 1.722 | 45  | 6172   | 6.690 | ppbv   | 100    |
| 14) Bromoethene               | 1.784 | 108 | 50730  | 9.135 | ppbv   | 100    |
| 15) Acetone                   | 1.839 | 43  | 126419 | 7.180 | ppbv   | 100    |
| 16) 1,3-Butadiene             | 1.612 | 39  | 66595  | 8.343 | ppbv   | 100    |
| 17) tert-Butyl alcohol        | 2.043 | 59  | 182511 | 8.741 | ppbv   | 100    |
| 18) 1,1-Dichloroethene        | 2.036 | 96  | 62397  | 9.252 | ppbv   | 100    |
| 19) Isopropyl Alcohol         | 1.887 | 45  | 86367  | 8.213 | ppbv   | 100    |
| 20) Methylene Chloride        | 2.065 | 84  | 55107  | 7.471 | ppbv   | 100    |
| 21) Allyl Chloride            | 2.098 | 41  | 113105 | 9.093 | ppbv   | 100    |
| 22) trans-1,2-Dichloroethene  | 2.344 | 96  | 71518  | 9.482 | ppbv   | 100    |
| 23) Vinyl Acetate             | 2.467 | 43  | 221395 | 9.558 | ppbv   | 100    |
| 24) 1,1-Dichloroethane        | 2.412 | 63  | 138444 | 8.885 | ppbv   | 100    |
| 25) Ethyl Acetate             | 2.839 | 43  | 390295 | 9.159 | ppbv   | 100    |
| 26) Hexane                    | 2.829 | 57  | 185288 | 9.420 | ppbv   | 100    |
| 27) Carbon Disulfide          | 2.153 | 76  | 174928 | 9.138 | ppbv   | 100    |
| 28) Methyl tert-Butyl Ether   | 2.444 | 73  | 87929  | 8.767 | ppbv   | 100    |
| 29) Chloroform                | 2.852 | 83  | 257176 | 9.158 | ppbv   | 100    |
| 30) Cyclohexane               | 3.862 | 84  | 161540 | 9.367 | ppbv   | 100    |
| 31) cis-1,2-Dichloroethene    | 2.726 | 61  | 179162 | 9.107 | ppbv   | 100    |
| 32) 1,1,1-Trichloroethane     | 3.373 | 97  | 266021 | 8.946 | ppbv   | 100    |
| 34) 2-Butanone                | 2.560 | 43  | 252300 | 9.033 | ppbv   | 100    |
| 35) Carbon Tetrachloride      | 3.771 | 117 | 262983 | 9.222 | ppbv   | 100    |
| 36) Benzene                   | 3.664 | 78  | 377113 | 9.521 | ppbv   | 100    |
| 37) 1,2-Dichloroethane        | 3.224 | 62  | 199762 | 9.653 | ppbv   | 100    |
| 38) Trichloroethene           | 4.557 | 130 | 164881 | 9.115 | ppbv   | 100    |
| 39) 1,2-Dichloropropane       | 4.324 | 63  | 133996 | 9.263 | ppbv   | 100    |
| 40) 1,4-Dioxane               | 4.590 | 88  | 61378  | 9.064 | ppbv # | 100    |
| 41) Tetrahydrofuran           | 3.059 | 42  | 147025 | 9.442 | ppbv   | 100    |
| 42) Bromodichloromethane      | 4.499 | 83  | 292909 | 9.499 | ppbv   | 100    |
| 43) Methyl Methacrylate       | 4.891 | 69  | 152035 | 9.357 | ppbv   | 100    |
| 44) 2,2,4-Trimethylpentane    | 4.648 | 57  | 626465 | 9.420 | ppbv   | 100    |
| 45) t-1,3-Dichloropropene     | 6.425 | 75  | 177207 | 9.616 | ppbv   | 100    |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL081325\  
 Data File : VL042842.D  
 Acq On : 13 Aug 2025 08:30  
 Operator : SY/MD  
 Sample : VSTDICCC010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDICCC010

Quant Time: Aug 14 01:45:27 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL081325AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Thu Aug 14 01:44:36 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 46) cis-1,3-Dichloropropene   | 5.609  | 75   | 222921   | 9.635  | ppbv   | 100      |
| 47) 1,1,2-Trichloroethane     | 6.590  | 97   | 141105   | 9.215  | ppbv   | 100      |
| 48) Dibromochloromethane      | 7.396  | 129  | 241553   | 9.739  | ppbv   | 100      |
| 49) Bromoform                 | 9.490  | 173  | 202975   | 9.923  | ppbv   | 100      |
| 50) 4-Methyl-2-Pentanone      | 5.761  | 43   | 364306   | 9.616  | ppbv   | 100      |
| 51) 2-Hexanone                | 7.441  | 43   | 289052   | 9.730  | ppbv # | 100      |
| 52) Tetrachloroethene         | 8.234  | 164  | 129484   | 9.026  | ppbv   | 100      |
| 53) Toluene                   | 6.943  | 91   | 443400   | 9.407  | ppbv   | 100      |
| 54) 1,2-Dibromoethane         | 7.661  | 107  | 209330   | 9.345  | ppbv   | 100      |
| 56) 1,1,1,2-Tetrachloroethane | 8.933  | 131  | 176135   | 9.196  | ppbv   | 100      |
| 57) Chlorobenzene             | 8.930  | 112  | 325303   | 9.237  | ppbv   | 100      |
| 58) Ethyl Benzene             | 9.364  | 91   | 605785   | 9.268  | ppbv   | 100      |
| 59) m/p-Xylene                | 9.542  | 91   | 950548m  | 18.524 | ppbv   |          |
| 60) o-Xylene                  | 9.972  | 91   | 469073   | 9.102  | ppbv   | 100      |
| 61) Styrene                   | 9.879  | 104  | 226056   | 9.362  | ppbv   | 100      |
| 62) Isopropylbenzene          | 10.549 | 105  | 685983   | 9.108  | ppbv   | 100      |
| 63) 1,1,2,2-Tetrachloroethane | 9.972  | 83   | 249621   | 8.870  | ppbv   | 100      |
| 64) n-propylbenzene           | 10.995 | 120  | 175986   | 9.158  | ppbv   | 100      |
| 65) tert-Butylbenzene         | 11.539 | 119  | 594314   | 8.951  | ppbv   | 100      |
| 66) Benzyl Chloride           | 11.620 | 91   | 84156    | 9.985  | ppbv   | 100      |
| 67) sec-Butylbenzene          | 11.772 | 105  | 833378   | 8.943  | ppbv   | 100      |
| 69) p-Isopropyltoluene        | 11.931 | 119  | 705700   | 8.820  | ppbv   | 100      |
| 70) n-Butylbenzene            | 12.287 | 91   | 713713   | 8.995  | ppbv   | 100      |
| 71) 2-Chlorotoluene           | 10.908 | 91   | 525235   | 8.981  | ppbv   | 100      |
| 72) 4-Ethyltoluene            | 11.131 | 105  | 578931   | 9.267  | ppbv   | 100      |
| 73) 1,3,5-Trimethylbenzene    | 11.209 | 105  | 478784   | 9.012  | ppbv   | 100      |
| 74) 1,2,4-Trimethylbenzene    | 11.542 | 105  | 516253   | 8.853  | ppbv   | 100      |
| 75) 1,3-Dichlorobenzene       | 11.613 | 146  | 307640   | 9.280  | ppbv   | 100      |
| 76) 1,4-Dichlorobenzene       | 11.678 | 146  | 308542   | 9.203  | ppbv   | 100      |
| 77) 1,2-Dichlorobenzene       | 11.953 | 146  | 289119   | 8.907  | ppbv   | 100      |
| 78) Hexachloro-1,3-Butadiene  | 13.885 | 225  | 211996   | 7.968  | ppbv   | 100      |
| 79) Naphthalene               | 13.516 | 128  | 487174   | 9.335  | ppbv   | 100      |
| 80) Naphthalene,2-methyl-     | 14.462 | 142  | 176880   | 9.000  | ppbv   | 100      |
| 81) 1,2,4-Trichlorobenzene    | 13.445 | 180  | 244998   | 9.220  | ppbv   | 100      |

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL081325\  
 Data File : VL042843.D  
 Acq On : 13 Aug 2025 09:06  
 Operator : SY/MD  
 Sample : VSTDICC002  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDICC002

Quant Time: Aug 14 01:46:30 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL081325AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Thu Aug 14 01:44:36 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Bromochloromethane         | 2.794  | 49    | 130555   | 10.000   | ppbv   | 0.00     |
| 33) 1,4-Difluorobenzene       | 3.965  | 114   | 408144   | 10.000   | ppbv   | 0.00     |
| 55) Chlorobenzene-d5          | 8.891  | 117   | 363830   | 10.000   | ppbv   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 68) 1-Bromo-4-Fluorobenzene   | 10.387 | 95    | 270774   | 9.923    | ppbv   | 0.00     |
| Spiked Amount                 | 10.000 | Range | 65 - 135 | Recovery | =      | 99.200%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.502  | 85    | 39443    | 2.061    | ppbv   | 99       |
| 3) Chlorodifluoromethane      | 1.480  | 51    | 44759    | 2.114    | ppbv   | 96       |
| 4) Chloromethane              | 1.535  | 50    | 15826    | 2.050    | ppbv   | 99       |
| 5) Vinyl Chloride             | 1.583  | 62    | 14358    | 1.888    | ppbv   | 97       |
| 6) Bromomethane               | 1.670  | 94    | 6248     | 2.055    | ppbv   | 97       |
| 7) Chloroethane               | 1.706  | 64    | 5717     | 1.925    | ppbv   | 94       |
| 8) Dichlorotetrafluoroethane  | 1.557  | 85    | 32496    | 2.075    | ppbv   | 98       |
| 9) Propene                    | 1.486  | 41    | 18678    | 2.045    | ppbv   | 89       |
| 10) Heptane                   | 4.991  | 43    | 50062    | 2.050    | ppbv   | 97       |
| 11) Trichlorofluoromethane    | 1.881  | 101   | 38308    | 2.029    | ppbv   | 99       |
| 12) 1,1,2-Trichlorotrifluo... | 2.146  | 101   | 31052    | 2.064    | ppbv   | 99       |
| 13) Ethanol                   | 1.725  | 45    | 1817m    | 2.008    | ppbv   |          |
| 14) Bromoethene               | 1.784  | 108   | 11376    | 2.089    | ppbv   | 96       |
| 15) Acetone                   | 1.839  | 43    | 38531    | 2.231    | ppbv   | 96       |
| 16) 1,3-Butadiene             | 1.612  | 39    | 15122    | 1.932    | ppbv   | 98       |
| 17) tert-Butyl alcohol        | 2.046  | 59    | 40652    | 1.985    | ppbv   | 97       |
| 18) 1,1-Dichloroethene        | 2.039  | 96    | 13883    | 2.099    | ppbv   | 95       |
| 19) Isopropyl Alcohol         | 1.891  | 45    | 20866    | 2.023    | ppbv # | 39       |
| 20) Methylene Chloride        | 2.065  | 84    | 14204    | 1.963    | ppbv # | 92       |
| 21) Allyl Chloride            | 2.101  | 41    | 24662    | 2.021    | ppbv   | 96       |
| 22) trans-1,2-Dichloroethene  | 2.344  | 96    | 15773    | 2.132    | ppbv   | 96       |
| 23) Vinyl Acetate             | 2.467  | 43    | 48269    | 2.125    | ppbv # | 98       |
| 24) 1,1-Dichloroethane        | 2.415  | 63    | 30931    | 2.024    | ppbv   | 98       |
| 25) Ethyl Acetate             | 2.842  | 43    | 86804    | 2.077    | ppbv   | 98       |
| 26) Hexane                    | 2.832  | 57    | 39735    | 2.060    | ppbv   | 94       |
| 27) Carbon Disulfide          | 2.156  | 76    | 39466    | 2.102    | ppbv # | 15       |
| 28) Methyl tert-Butyl Ether   | 2.444  | 73    | 21341    | 2.169    | ppbv   | 96       |
| 29) Chloroform                | 2.855  | 83    | 56553    | 2.053    | ppbv   | 95       |
| 30) Cyclohexane               | 3.868  | 84    | 34992    | 2.069    | ppbv   | 98       |
| 31) cis-1,2-Dichloroethene    | 2.726  | 61    | 39783    | 2.062    | ppbv   | 95       |
| 32) 1,1,1-Trichloroethane     | 3.376  | 97    | 57837    | 1.983    | ppbv   | 100      |
| 34) 2-Butanone                | 2.564  | 43    | 57172    | 2.075    | ppbv   | 98       |
| 35) Carbon Tetrachloride      | 3.771  | 117   | 56459    | 2.007    | ppbv   | 97       |
| 36) Benzene                   | 3.664  | 78    | 80781    | 2.067    | ppbv   | 98       |
| 37) 1,2-Dichloroethane        | 3.227  | 62    | 41034    | 2.010    | ppbv   | 97       |
| 38) Trichloroethene           | 4.561  | 130   | 36990    | 2.072    | ppbv # | 86       |
| 39) 1,2-Dichloropropane       | 4.328  | 63    | 29059    | 2.036    | ppbv   | 98       |
| 40) 1,4-Dioxane               | 4.606  | 88    | 13510m   | 2.022    | ppbv   |          |
| 41) Tetrahydrofuran           | 3.062  | 42    | 31994    | 2.082    | ppbv   | 97       |
| 42) Bromodichloromethane      | 4.503  | 83    | 63436    | 2.085    | ppbv   | 97       |
| 43) Methyl Methacrylate       | 4.888  | 69    | 33851m   | 2.111    | ppbv   |          |
| 44) 2,2,4-Trimethylpentane    | 4.655  | 57    | 136794   | 2.085    | ppbv   | 98       |
| 45) t-1,3-Dichloropropene     | 6.428  | 75    | 37248    | 2.048    | ppbv   | 90       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL081325\  
 Data File : VL042843.D  
 Acq On : 13 Aug 2025 09:06  
 Operator : SY/MD  
 Sample : VSTDICC002  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDICC002

Quant Time: Aug 14 01:46:30 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL081325AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Thu Aug 14 01:44:36 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 46) cis-1,3-Dichloropropene   | 5.609  | 75   | 47201m   | 2.067 | ppbv   |          |
| 47) 1,1,2-Trichloroethane     | 6.593  | 97   | 31477m   | 2.083 | ppbv   |          |
| 48) Dibromochloromethane      | 7.399  | 129  | 51620    | 2.109 | ppbv   | 100      |
| 49) Bromoform                 | 9.493  | 173  | 43662    | 2.163 | ppbv   | 99       |
| 50) 4-Methyl-2-Pentanone      | 5.768  | 43   | 77225    | 2.066 | ppbv   | 99       |
| 51) 2-Hexanone                | 7.451  | 43   | 61210    | 2.088 | ppbv # | 98       |
| 52) Tetrachloroethene         | 8.234  | 164  | 28166    | 1.990 | ppbv   | 92       |
| 53) Toluene                   | 6.946  | 91   | 94690    | 2.036 | ppbv   | 98       |
| 54) 1,2-Dibromoethane         | 7.665  | 107  | 45071    | 2.039 | ppbv   | 98       |
| 56) 1,1,1,2-Tetrachloroethane | 8.933  | 131  | 40090    | 2.131 | ppbv   | 97       |
| 57) Chlorobenzene             | 8.933  | 112  | 72296    | 2.090 | ppbv   | 97       |
| 58) Ethyl Benzene             | 9.364  | 91   | 133719   | 2.083 | ppbv   | 99       |
| 59) m/p-Xylene                | 9.558  | 91   | 211704m  | 4.200 | ppbv   |          |
| 60) o-Xylene                  | 9.972  | 91   | 105125   | 2.077 | ppbv   | 100      |
| 61) Styrene                   | 9.879  | 104  | 48027    | 2.025 | ppbv   | 96       |
| 62) Isopropylbenzene          | 10.545 | 105  | 155223   | 2.098 | ppbv   | 100      |
| 63) 1,1,2,2-Tetrachloroethane | 9.972  | 83   | 56139    | 2.031 | ppbv   | 98       |
| 64) n-propylbenzene           | 10.995 | 120  | 39922    | 2.115 | ppbv   | 97       |
| 65) tert-Butylbenzene         | 11.536 | 119  | 139019   | 2.132 | ppbv   | 99       |
| 66) Benzyl Chloride           | 11.623 | 91   | 17893    | 2.161 | ppbv   | 97       |
| 67) sec-Butylbenzene          | 11.772 | 105  | 196899   | 2.151 | ppbv   | 98       |
| 69) p-Isopropyltoluene        | 11.931 | 119  | 169429   | 2.156 | ppbv   | 99       |
| 70) n-Butylbenzene            | 12.287 | 91   | 169768   | 2.178 | ppbv   | 99       |
| 71) 2-Chlorotoluene           | 10.908 | 91   | 119382   | 2.078 | ppbv   | 99       |
| 72) 4-Ethyltoluene            | 11.131 | 105  | 129786   | 2.115 | ppbv   | 99       |
| 73) 1,3,5-Trimethylbenzene    | 11.212 | 105  | 110043   | 2.109 | ppbv   | 99       |
| 74) 1,2,4-Trimethylbenzene    | 11.542 | 105  | 123554   | 2.157 | ppbv   | 97       |
| 75) 1,3-Dichlorobenzene       | 11.613 | 146  | 70330    | 2.160 | ppbv   | 100      |
| 76) 1,4-Dichlorobenzene       | 11.678 | 146  | 71160    | 2.161 | ppbv   | 99       |
| 77) 1,2-Dichlorobenzene       | 11.953 | 146  | 68944    | 2.162 | ppbv   | 98       |
| 78) Hexachloro-1,3-Butadiene  | 13.886 | 225  | 58509    | 2.239 | ppbv   | 100      |
| 79) Naphthalene               | 13.517 | 128  | 127025   | 2.478 | ppbv   | 99       |
| 80) Naphthalene,2-methyl-     | 14.462 | 142  | 51541    | 2.670 | ppbv   | 100      |
| 81) 1,2,4-Trichlorobenzene    | 13.445 | 180  | 62216    | 2.384 | ppbv   | 98       |

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL081325\  
Data File : VL042843.D  
Acq On : 13 Aug 2025 09:06  
Operator : SY/MD  
Sample : VSTDIC002  
Misc : 400mL/MSVOA\_L  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC002

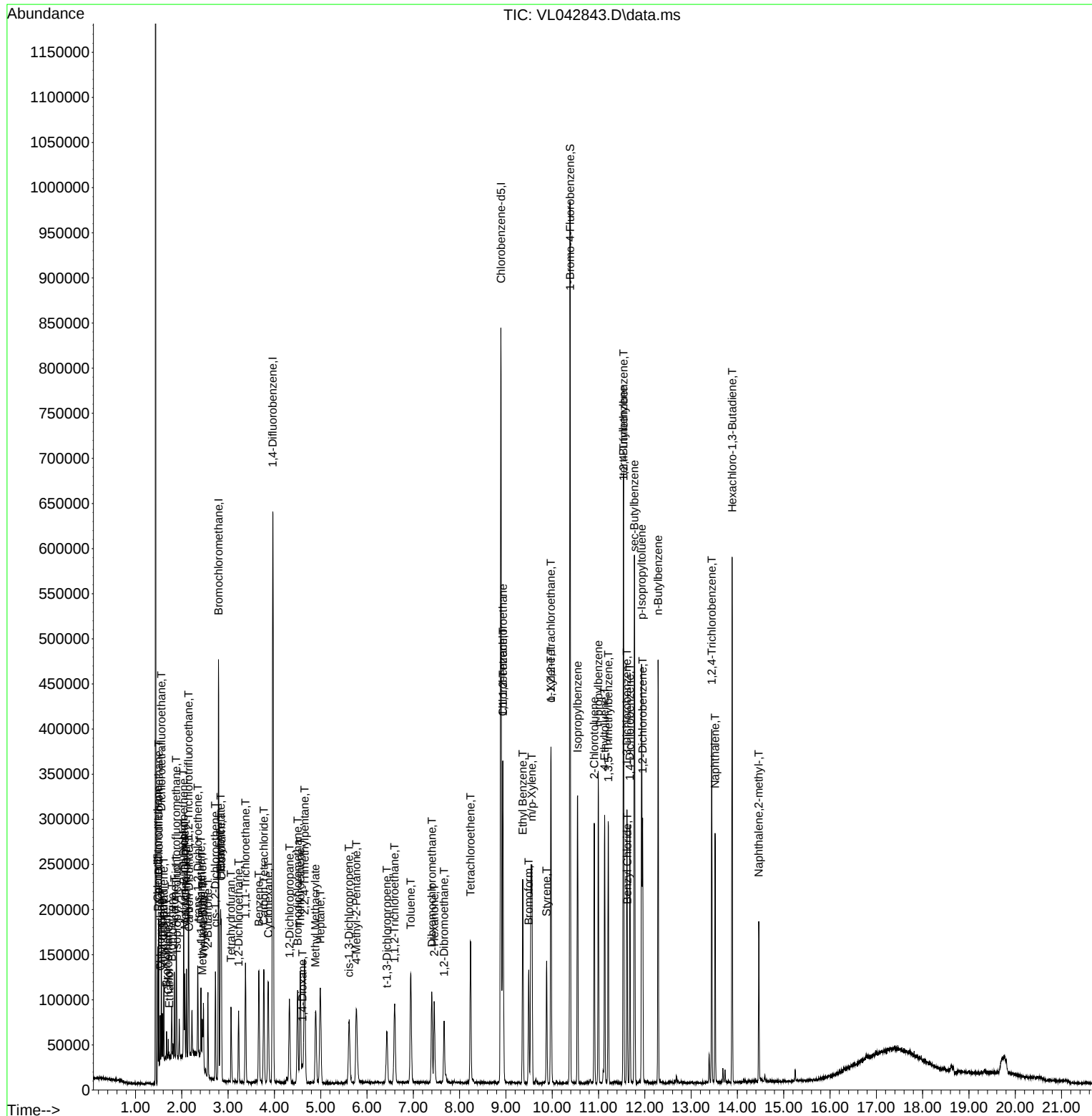
Quant Time: Aug 14 01:46:30 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL081325AIR.M

Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022

QLast Update : Thu Aug 14 01:44:36 2025

Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL081325\  
 Data File : VL042844.D  
 Acq On : 13 Aug 2025 09:41  
 Operator : SY/MD  
 Sample : VSTDICC001  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDICC001

Quant Time: Aug 14 01:47:28 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL081325AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Thu Aug 14 01:44:36 2025  
 Response via : Initial Calibration

| Compound                | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|-------|------|----------|--------|-------|----------|
| -----                   |       |      |          |        |       |          |
| Internal Standards      |       |      |          |        |       |          |
| 1) Bromochloromethane   | 2.791 | 49   | 128542   | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 3.965 | 114  | 400305   | 10.000 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 8.888 | 117  | 349577   | 10.000 | ppbv  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 68) 1-Bromo-4-Fluorobenzene | 10.380 | 95    | 265708   | 10.135   | ppbv | 0.00     |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 101.300% |

| Target Compounds              |       |     |        |       |        | Qvalue |
|-------------------------------|-------|-----|--------|-------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.499 | 85  | 19603  | 1.041 | ppbv   | 99     |
| 3) Chlorodifluoromethane      | 1.476 | 51  | 20833  | 0.999 | ppbv   | 93     |
| 4) Chloromethane              | 1.535 | 50  | 7948   | 1.045 | ppbv   | 96     |
| 5) Vinyl Chloride             | 1.583 | 62  | 7189   | 0.960 | ppbv   | 96     |
| 6) Bromomethane               | 1.667 | 94  | 3446   | 1.151 | ppbv   | 84     |
| 7) Chloroethane               | 1.706 | 64  | 3089   | 1.056 | ppbv   | 93     |
| 8) Dichlorotetrafluoroethane  | 1.557 | 85  | 15872  | 1.030 | ppbv   | 100    |
| 9) Propene                    | 1.486 | 41  | 8897   | 0.989 | ppbv   | 89     |
| 10) Heptane                   | 4.985 | 43  | 25850m | 1.075 | ppbv   |        |
| 11) Trichlorofluoromethane    | 1.881 | 101 | 19701  | 1.060 | ppbv   | 96     |
| 12) 1,1,2-Trichlorotrifluo... | 2.143 | 101 | 15446  | 1.043 | ppbv   | 97     |
| 13) Ethanol                   | 1.722 | 45  | 883m   | 0.991 | ppbv   |        |
| 14) Bromoethene               | 1.784 | 108 | 5343   | 0.996 | ppbv # | 78     |
| 15) Acetone                   | 1.839 | 43  | 18961  | 1.115 | ppbv   | 98     |
| 16) 1,3-Butadiene             | 1.609 | 39  | 8133   | 1.055 | ppbv   | 98     |
| 17) tert-Butyl alcohol        | 2.046 | 59  | 21342  | 1.058 | ppbv # | 93     |
| 18) 1,1-Dichloroethene        | 2.040 | 96  | 6549   | 1.006 | ppbv   | 93     |
| 19) Isopropyl Alcohol         | 1.888 | 45  | 10893  | 1.073 | ppbv # | 39     |
| 20) Methylene Chloride        | 2.062 | 84  | 7661   | 1.076 | ppbv # | 90     |
| 21) Allyl Chloride            | 2.098 | 41  | 11598  | 0.966 | ppbv   | 88     |
| 22) trans-1,2-Dichloroethene  | 2.344 | 96  | 7882m  | 1.082 | ppbv   |        |
| 23) Vinyl Acetate             | 2.467 | 43  | 22270  | 0.996 | ppbv # | 96     |
| 24) 1,1-Dichloroethane        | 2.412 | 63  | 15727  | 1.045 | ppbv   | 98     |
| 25) Ethyl Acetate             | 2.842 | 43  | 43007  | 1.045 | ppbv   | 98     |
| 26) Hexane                    | 2.829 | 57  | 19944  | 1.050 | ppbv   | 92     |
| 27) Carbon Disulfide          | 2.153 | 76  | 19450  | 1.052 | ppbv # | 2      |
| 28) Methyl tert-Butyl Ether   | 2.444 | 73  | 9600   | 0.991 | ppbv # | 88     |
| 29) Chloroform                | 2.852 | 83  | 28055  | 1.034 | ppbv   | 97     |
| 30) Cyclohexane               | 3.865 | 84  | 16492  | 0.990 | ppbv   | 90     |
| 31) cis-1,2-Dichloroethene    | 2.723 | 61  | 19591  | 1.031 | ppbv   | 98     |
| 32) 1,1,1-Trichloroethane     | 3.373 | 97  | 27607  | 0.961 | ppbv   | 97     |
| 34) 2-Butanone                | 2.564 | 43  | 28105  | 1.040 | ppbv   | 98     |
| 35) Carbon Tetrachloride      | 3.768 | 117 | 28008  | 1.015 | ppbv   | 93     |
| 36) Benzene                   | 3.661 | 78  | 39137  | 1.021 | ppbv # | 94     |
| 37) 1,2-Dichloroethane        | 3.224 | 62  | 20645  | 1.031 | ppbv   | 97     |
| 38) Trichloroethene           | 4.555 | 130 | 17921  | 1.024 | ppbv # | 89     |
| 39) 1,2-Dichloropropane       | 4.325 | 63  | 14595m | 1.042 | ppbv   |        |
| 40) 1,4-Dioxane               | 4.603 | 88  | 7386m  | 1.127 | ppbv   |        |
| 41) Tetrahydrofuran           | 3.062 | 42  | 15552  | 1.032 | ppbv   | 94     |
| 42) Bromodichloromethane      | 4.499 | 83  | 29683  | 0.995 | ppbv   | 99     |
| 43) Methyl Methacrylate       | 4.885 | 69  | 16073m | 1.022 | ppbv   |        |
| 44) 2,2,4-Trimethylpentane    | 4.645 | 57  | 68813m | 1.069 | ppbv   |        |
| 45) t-1,3-Dichloropropene     | 6.419 | 75  | 18580m | 1.042 | ppbv   |        |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL081325\  
 Data File : VL042844.D  
 Acq On : 13 Aug 2025 09:41  
 Operator : SY/MD  
 Sample : VSTDICC001  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

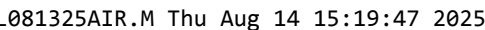
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDICC001

Quant Time: Aug 14 01:47:28 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL081325AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Thu Aug 14 01:44:36 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 46) cis-1,3-Dichloropropene   | 5.610  | 75   | 22372    | 0.999 | ppbv   | 94       |
| 47) 1,1,2-Trichloroethane     | 6.597  | 97   | 15295    | 1.032 | ppbv   | 86       |
| 48) Dibromochloromethane      | 7.396  | 129  | 24214    | 1.009 | ppbv   | 99       |
| 49) Bromoform                 | 9.490  | 173  | 20579    | 1.040 | ppbv   | 98       |
| 50) 4-Methyl-2-Pentanone      | 5.768  | 43   | 36710    | 1.001 | ppbv   | 98       |
| 51) 2-Hexanone                | 7.451  | 43   | 29487    | 1.026 | ppbv # | 99       |
| 52) Tetrachloroethene         | 8.235  | 164  | 13322    | 0.960 | ppbv   | 90       |
| 53) Toluene                   | 6.946  | 91   | 47256    | 1.036 | ppbv   | 99       |
| 54) 1,2-Dibromoethane         | 7.665  | 107  | 21280    | 0.982 | ppbv   | 99       |
| 56) 1,1,1,2-Tetrachloroethane | 8.930  | 131  | 19176    | 1.061 | ppbv   | 96       |
| 57) Chlorobenzene             | 8.930  | 112  | 34617    | 1.041 | ppbv # | 91       |
| 58) Ethyl Benzene             | 9.361  | 91   | 65223    | 1.057 | ppbv   | 95       |
| 59) m/p-Xylene                | 9.558  | 91   | 101634m  | 2.098 | ppbv   |          |
| 60) o-Xylene                  | 9.969  | 91   | 51445    | 1.058 | ppbv   | 99       |
| 61) Styrene                   | 9.879  | 104  | 23660    | 1.038 | ppbv   | 100      |
| 62) Isopropylbenzene          | 10.546 | 105  | 76708    | 1.079 | ppbv   | 100      |
| 63) 1,1,2,2-Tetrachloroethane | 9.969  | 83   | 27410    | 1.032 | ppbv   | 98       |
| 64) n-propylbenzene           | 10.995 | 120  | 18462    | 1.018 | ppbv   | 90       |
| 65) tert-Butylbenzene         | 11.536 | 119  | 69617    | 1.111 | ppbv   | 99       |
| 66) Benzyl Chloride           | 11.617 | 91   | 7900     | 0.993 | ppbv   | 98       |
| 67) sec-Butylbenzene          | 11.772 | 105  | 96288    | 1.095 | ppbv   | 98       |
| 69) p-Isopropyltoluene        | 11.931 | 119  | 82934    | 1.098 | ppbv   | 99       |
| 70) n-Butylbenzene            | 12.287 | 91   | 80511    | 1.075 | ppbv   | 99       |
| 71) 2-Chlorotoluene           | 10.908 | 91   | 60086    | 1.089 | ppbv   | 100      |
| 72) 4-Ethyltoluene            | 11.131 | 105  | 63147    | 1.071 | ppbv   | 99       |
| 73) 1,3,5-Trimethylbenzene    | 11.206 | 105  | 53676    | 1.070 | ppbv   | 95       |
| 74) 1,2,4-Trimethylbenzene    | 11.539 | 105  | 59633    | 1.083 | ppbv   | 96       |
| 75) 1,3-Dichlorobenzene       | 11.610 | 146  | 33061    | 1.057 | ppbv   | 98       |
| 76) 1,4-Dichlorobenzene       | 11.675 | 146  | 33064    | 1.045 | ppbv   | 96       |
| 77) 1,2-Dichlorobenzene       | 11.950 | 146  | 33404    | 1.090 | ppbv   | 98       |
| 78) Hexachloro-1,3-Butadiene  | 13.886 | 225  | 29555    | 1.177 | ppbv   | 95       |
| 79) Naphthalene               | 13.517 | 128  | 57580    | 1.169 | ppbv   | 97       |
| 80) Naphthalene,2-methyl-     | 14.462 | 142  | 19375    | 1.045 | ppbv   | 96       |
| 81) 1,2,4-Trichlorobenzene    | 13.442 | 180  | 27861    | 1.111 | ppbv   | 99       |

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

Quant Time: Aug 14 01:47:28 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL081325AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LFri Aug 26 06:05:16 2022  
QLast Update : Thu Aug 14 01:44:36 2025  
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL081325\  
 Data File : VL042845.D  
 Acq On : 13 Aug 2025 10:17  
 Operator : SY/MD  
 Sample : VSTDICC0.5  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDICC0.5

Quant Time: Aug 14 01:48:25 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL081325AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Thu Aug 14 01:44:36 2025  
 Response via : Initial Calibration

| Compound                | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|-------|------|----------|--------|-------|----------|
| -----                   |       |      |          |        |       |          |
| Internal Standards      |       |      |          |        |       |          |
| 1) Bromochloromethane   | 2.797 | 49   | 126879   | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 3.968 | 114  | 396264   | 10.000 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 8.895 | 117  | 348005   | 10.000 | ppbv  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 68) 1-Bromo-4-Fluorobenzene | 10.387 | 95    | 262663   | 10.064   | ppbv | 0.00     |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 100.600% |

| Target Compounds              |       |     |        |       |        | Qvalue |
|-------------------------------|-------|-----|--------|-------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.502 | 85  | 9937   | 0.534 | ppbv   | 100    |
| 3) Chlorodifluoromethane      | 1.479 | 51  | 11115  | 0.540 | ppbv   | 96     |
| 4) Chloromethane              | 1.538 | 50  | 4112   | 0.548 | ppbv   | 90     |
| 5) Vinyl Chloride             | 1.586 | 62  | 3762   | 0.509 | ppbv   | 94     |
| 6) Bromomethane               | 1.674 | 94  | 1576   | 0.533 | ppbv   | 82     |
| 7) Chloroethane               | 1.709 | 64  | 1690   | 0.586 | ppbv # | 85     |
| 8) Dichlorotetrafluoroethane  | 1.557 | 85  | 8079   | 0.531 | ppbv   | 95     |
| 9) Propene                    | 1.489 | 41  | 5225   | 0.589 | ppbv   | 91     |
| 10) Heptane                   | 4.998 | 43  | 12747  | 0.537 | ppbv   | 93     |
| 11) Trichlorofluoromethane    | 1.884 | 101 | 10238  | 0.558 | ppbv   | 98     |
| 12) 1,1,2-Trichlorotrifluo... | 2.146 | 101 | 7984   | 0.546 | ppbv   | 98     |
| 13) Ethanol                   | 1.725 | 45  | 562    | 0.639 | ppbv # | 1      |
| 14) Bromoethene               | 1.787 | 108 | 2932   | 0.554 | ppbv # | 85     |
| 15) Acetone                   | 1.842 | 43  | 10836  | 0.646 | ppbv   | 98     |
| 16) 1,3-Butadiene             | 1.612 | 39  | 4970   | 0.653 | ppbv   | 99     |
| 17) tert-Butyl alcohol        | 2.049 | 59  | 12182  | 0.612 | ppbv # | 89     |
| 18) 1,1-Dichloroethene        | 2.039 | 96  | 3501   | 0.545 | ppbv   | 92     |
| 19) Isopropyl Alcohol         | 1.891 | 45  | 6194   | 0.618 | ppbv # | 56     |
| 20) Methylene Chloride        | 2.069 | 84  | 5025   | 0.715 | ppbv   | 90     |
| 21) Allyl Chloride            | 2.104 | 41  | 7120   | 0.600 | ppbv # | 76     |
| 22) trans-1,2-Dichloroethene  | 2.350 | 96  | 3996   | 0.556 | ppbv   | 96     |
| 23) Vinyl Acetate             | 2.470 | 43  | 13709  | 0.621 | ppbv # | 98     |
| 24) 1,1-Dichloroethane        | 2.418 | 63  | 8354   | 0.562 | ppbv # | 96     |
| 25) Ethyl Acetate             | 2.845 | 43  | 22148  | 0.545 | ppbv # | 96     |
| 26) Hexane                    | 2.832 | 57  | 9879   | 0.527 | ppbv   | 85     |
| 27) Carbon Disulfide          | 2.156 | 76  | 9539   | 0.523 | ppbv # | 1      |
| 28) Methyl tert-Butyl Ether   | 2.447 | 73  | 5284   | 0.553 | ppbv # | 62     |
| 29) Chloroform                | 2.858 | 83  | 14586  | 0.545 | ppbv   | 100    |
| 30) Cyclohexane               | 3.868 | 84  | 9037   | 0.550 | ppbv   | 94     |
| 31) cis-1,2-Dichloroethene    | 2.729 | 61  | 10308  | 0.550 | ppbv # | 86     |
| 32) 1,1,1-Trichloroethane     | 3.379 | 97  | 14011  | 0.494 | ppbv   | 97     |
| 34) 2-Butanone                | 2.567 | 43  | 14923  | 0.558 | ppbv   | 100    |
| 35) Carbon Tetrachloride      | 3.774 | 117 | 13507  | 0.494 | ppbv   | 97     |
| 36) Benzene                   | 3.671 | 78  | 20073  | 0.529 | ppbv   | 98     |
| 37) 1,2-Dichloroethane        | 3.230 | 62  | 10141  | 0.512 | ppbv # | 93     |
| 38) Trichloroethene           | 4.564 | 130 | 9918   | 0.572 | ppbv # | 88     |
| 39) 1,2-Dichloropropane       | 4.334 | 63  | 7491   | 0.541 | ppbv   | 86     |
| 40) 1,4-Dioxane               | 4.613 | 88  | 3743m  | 0.577 | ppbv   |        |
| 41) Tetrahydrofuran           | 3.072 | 42  | 7827   | 0.525 | ppbv   | 93     |
| 42) Bromodichloromethane      | 4.509 | 83  | 15580  | 0.527 | ppbv # | 94     |
| 43) Methyl Methacrylate       | 4.897 | 69  | 8461m  | 0.544 | ppbv   |        |
| 44) 2,2,4-Trimethylpentane    | 4.661 | 57  | 34237m | 0.537 | ppbv   |        |
| 45) t-1,3-Dichloropropene     | 6.435 | 75  | 8911m  | 0.505 | ppbv   |        |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL081325\  
 Data File : VL042845.D  
 Acq On : 13 Aug 2025 10:17  
 Operator : SY/MD  
 Sample : VSTDICC0.5  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDICC0.5

Quant Time: Aug 14 01:48:25 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL081325AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Thu Aug 14 01:44:36 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 46) cis-1,3-Dichloropropene   | 5.622  | 75   | 11259m   | 0.508 | ppbv   |          |
| 47) 1,1,2-Trichloroethane     | 6.603  | 97   | 7835m    | 0.534 | ppbv   |          |
| 48) Dibromochloromethane      | 7.406  | 129  | 11805    | 0.497 | ppbv   | 100      |
| 49) Bromoform                 | 9.497  | 173  | 9232     | 0.471 | ppbv   | 95       |
| 50) 4-Methyl-2-Pentanone      | 5.778  | 43   | 19028m   | 0.524 | ppbv   |          |
| 51) 2-Hexanone                | 7.458  | 43   | 14329    | 0.503 | ppbv # | 99       |
| 52) Tetrachloroethene         | 8.244  | 164  | 7304     | 0.531 | ppbv # | 87       |
| 53) Toluene                   | 6.956  | 91   | 24155m   | 0.535 | ppbv   |          |
| 54) 1,2-Dibromoethane         | 7.668  | 107  | 10873    | 0.507 | ppbv   | 90       |
| 56) 1,1,1,2-Tetrachloroethane | 8.940  | 131  | 9300     | 0.517 | ppbv # | 1        |
| 57) Chlorobenzene             | 8.937  | 112  | 17845    | 0.539 | ppbv # | 96       |
| 58) Ethyl Benzene             | 9.370  | 91   | 32261    | 0.525 | ppbv   | 99       |
| 59) m/p-Xylene                | 9.561  | 91   | 50372m   | 1.045 | ppbv   |          |
| 60) o-Xylene                  | 9.979  | 91   | 26662    | 0.551 | ppbv   | 100      |
| 61) Styrene                   | 9.885  | 104  | 12379    | 0.546 | ppbv   | 95       |
| 62) Isopropylbenzene          | 10.552 | 105  | 37401    | 0.529 | ppbv   | 98       |
| 63) 1,1,2,2-Tetrachloroethane | 9.976  | 83   | 13828    | 0.523 | ppbv   | 95       |
| 64) n-propylbenzene           | 10.998 | 120  | 9922     | 0.550 | ppbv   | 98       |
| 65) tert-Butylbenzene         | 11.542 | 119  | 33183    | 0.532 | ppbv   | 97       |
| 66) Benzyl Chloride           | 11.626 | 91   | 4039     | 0.510 | ppbv # | 97       |
| 67) sec-Butylbenzene          | 11.778 | 105  | 46433    | 0.530 | ppbv   | 96       |
| 69) p-Isopropyltoluene        | 11.934 | 119  | 40686    | 0.541 | ppbv   | 99       |
| 70) n-Butylbenzene            | 12.290 | 91   | 38867    | 0.521 | ppbv   | 99       |
| 71) 2-Chlorotoluene           | 10.911 | 91   | 29736    | 0.541 | ppbv   | 97       |
| 72) 4-Ethyltoluene            | 11.138 | 105  | 30234    | 0.515 | ppbv   | 97       |
| 73) 1,3,5-Trimethylbenzene    | 11.212 | 105  | 26942    | 0.540 | ppbv   | 99       |
| 74) 1,2,4-Trimethylbenzene    | 11.545 | 105  | 29750    | 0.543 | ppbv   | 94       |
| 75) 1,3-Dichlorobenzene       | 11.617 | 146  | 16311    | 0.524 | ppbv   | 95       |
| 76) 1,4-Dichlorobenzene       | 11.681 | 146  | 16803    | 0.533 | ppbv   | 98       |
| 77) 1,2-Dichlorobenzene       | 11.956 | 146  | 16306    | 0.535 | ppbv   | 97       |
| 78) Hexachloro-1,3-Butadiene  | 13.885 | 225  | 14165    | 0.567 | ppbv   | 99       |
| 79) Naphthalene               | 13.520 | 128  | 24056    | 0.491 | ppbv   | 96       |
| 80) Naphthalene,2-methyl-     | 14.465 | 142  | 7482     | 0.405 | ppbv   | 95       |
| 81) 1,2,4-Trichlorobenzene    | 13.449 | 180  | 10844    | 0.434 | ppbv   | 97       |

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL081325\  
 Data File : VL042846.D  
 Acq On : 13 Aug 2025 10:53  
 Operator : SY/MD  
 Sample : VSTDIC0.1  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC0.1

Quant Time: Aug 14 01:49:21 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL081325AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Thu Aug 14 01:44:36 2025  
 Response via : Initial Calibration

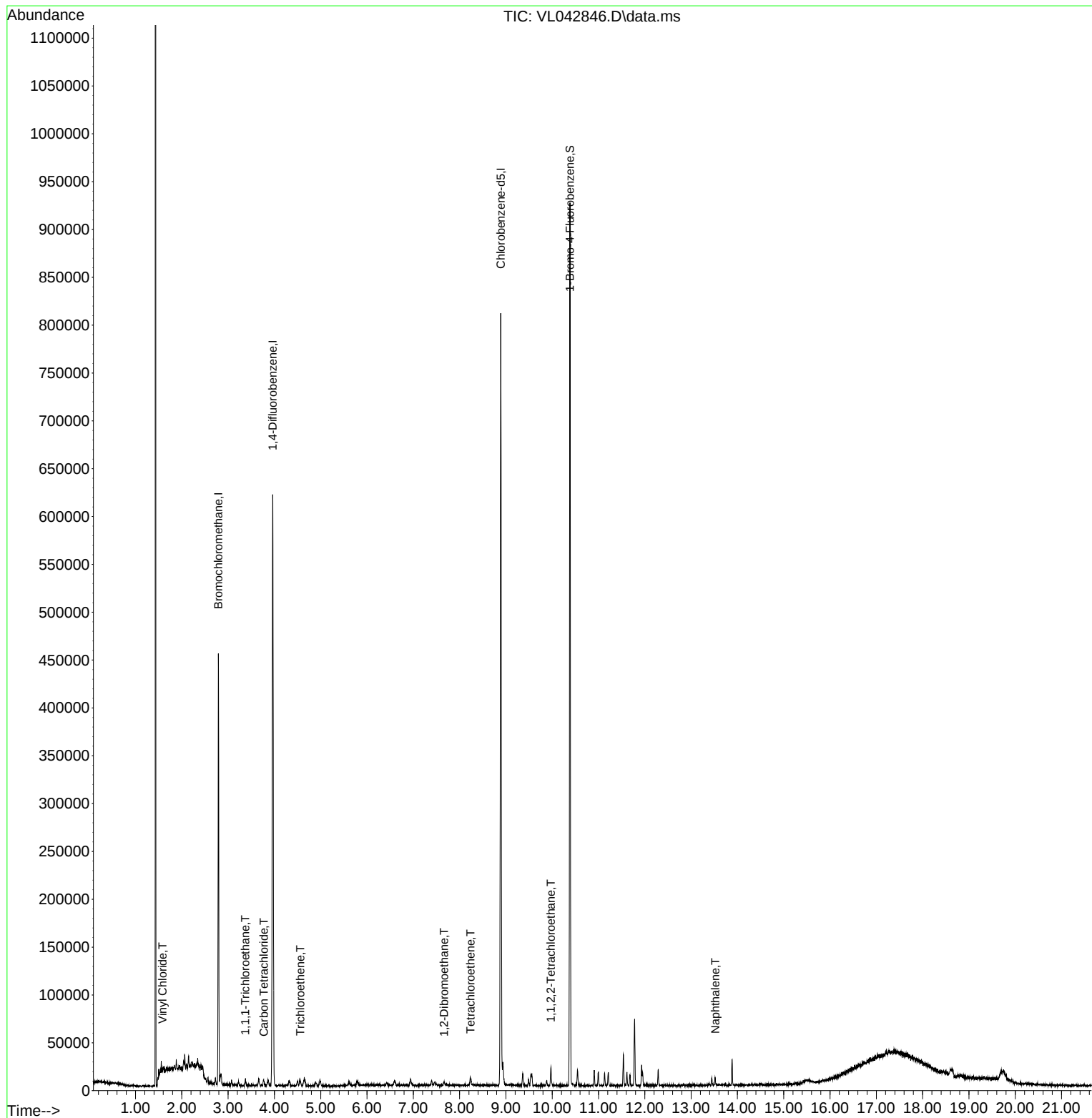
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Bromochloromethane         | 2.790  | 49    | 123711   | 10.000   | ppbv   | 0.00     |
| 33) 1,4-Difluorobenzene       | 3.962  | 114   | 390520   | 10.000   | ppbv   | 0.00     |
| 55) Chlorobenzene-d5          | 8.888  | 117   | 345073   | 10.000   | ppbv   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 68) 1-Bromo-4-Fluorobenzene   | 10.383 | 95    | 257439   | 9.948    | ppbv   | 0.00     |
| Spiked Amount                 | 10.000 | Range | 65 - 135 | Recovery | =      | 99.500%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 5) Vinyl Chloride             | 1.583  | 62    | 790      | 0.110    | ppbv   | # 86     |
| 32) 1,1,1-Trichloroethane     | 3.373  | 97    | 3128m    | 0.113    | ppbv   |          |
| 35) Carbon Tetrachloride      | 3.774  | 117   | 2883     | 0.107    | ppbv   | 89       |
| 38) Trichloroethene           | 4.557  | 130   | 1748m    | 0.102    | ppbv   |          |
| 52) Tetrachloroethene         | 8.234  | 164   | 1479m    | 0.109    | ppbv   |          |
| 54) 1,2-Dibromoethane         | 7.665  | 107   | 2339m    | 0.111    | ppbv   |          |
| 63) 1,1,2,2-Tetrachloroethane | 9.972  | 83    | 2672     | 0.102    | ppbv   | 99       |
| 79) Naphthalene               | 13.520 | 128   | 4051m    | 0.083    | ppbv   |          |
| -----                         |        |       |          |          |        |          |

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL081325\  
Data File : VL042846.D  
Acq On : 13 Aug 2025 10:53  
Operator : SY/MD  
Sample : VSTDICC0.1  
Misc : 400mL/MSVOA\_L  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDICC0.1

Quant Time: Aug 14 01:49:21 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL081325AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
QLast Update : Thu Aug 14 01:44:36 2025  
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL081325\  
 Data File : VL042847.D  
 Acq On : 13 Aug 2025 11:30  
 Operator : SY/MD  
 Sample : VSTDICC0.03  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDICC0.03

Quant Time: Aug 14 01:50:16 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL081325AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Thu Aug 14 01:44:36 2025  
 Response via : Initial Calibration

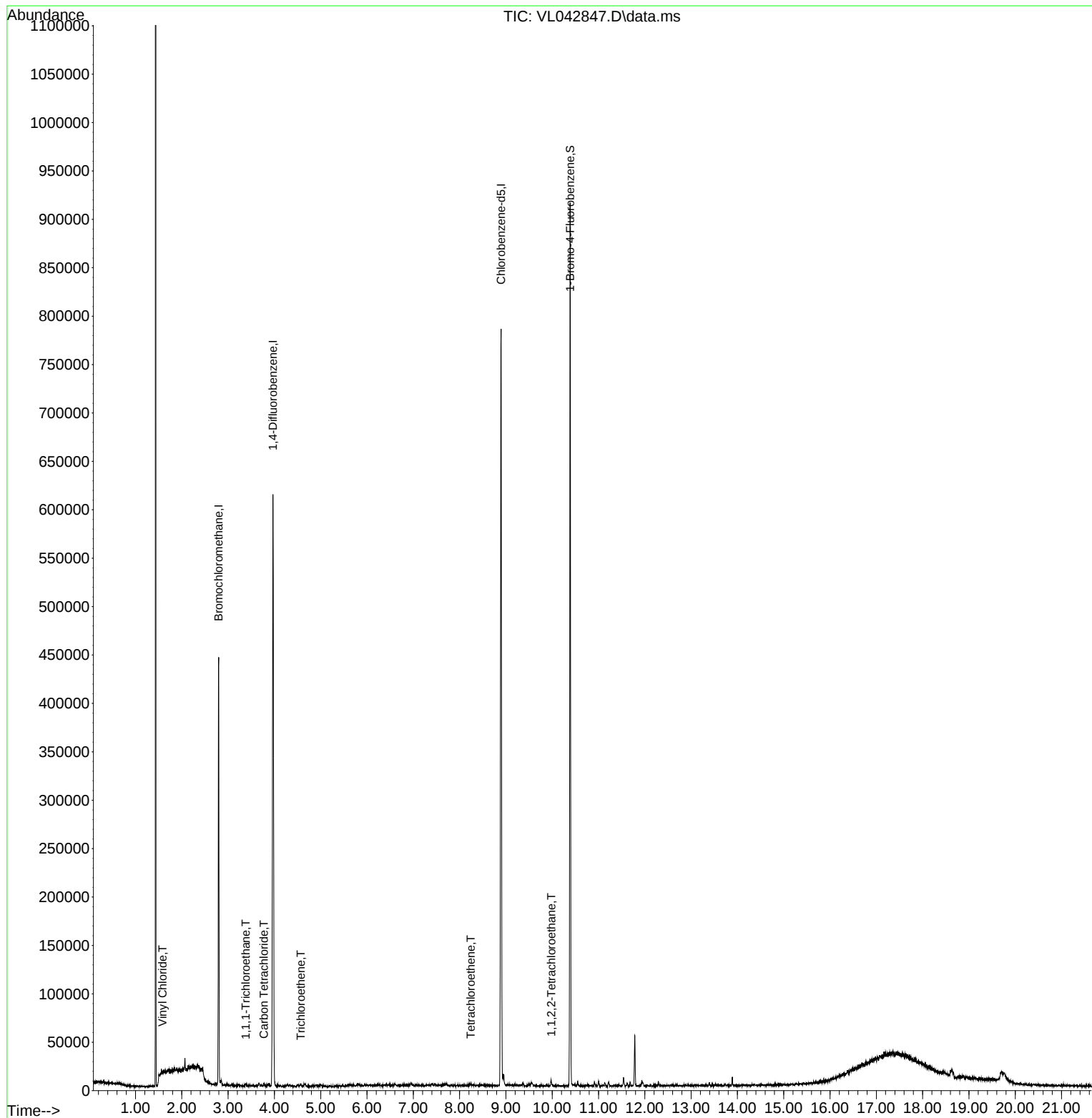
| Compound                      | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|-------|----------|----------|--------|----------|
| -----                         |        |       |          |          |        |          |
| Internal Standards            |        |       |          |          |        |          |
| 1) Bromochloromethane         | 2.793  | 49    | 122705   | 10.000   | ppbv   | 0.00     |
| 33) 1,4-Difluorobenzene       | 3.968  | 114   | 390076   | 10.000   | ppbv   | 0.00     |
| 55) Chlorobenzene-d5          | 8.894  | 117   | 339700   | 10.000   | ppbv   | 0.00     |
| System Monitoring Compounds   |        |       |          |          |        |          |
| 68) 1-Bromo-4-Fluorobenzene   | 10.386 | 95    | 250082   | 9.816    | ppbv   | 0.00     |
| Spiked Amount                 | 10.000 | Range | 65 - 135 | Recovery | =      | 98.200%  |
| Target Compounds              |        |       |          |          |        |          |
|                               |        |       |          |          | Qvalue |          |
| 5) Vinyl Chloride             | 1.583  | 62    | 268      | 0.037    | ppbv   | # 81     |
| 32) 1,1,1-Trichloroethane     | 3.379  | 97    | 901m     | 0.033    | ppbv   |          |
| 35) Carbon Tetrachloride      | 3.774  | 117   | 861m     | 0.032    | ppbv   |          |
| 38) Trichloroethene           | 4.573  | 130   | 487m     | 0.029    | ppbv   |          |
| 52) Tetrachloroethene         | 8.241  | 164   | 458m     | 0.034    | ppbv   |          |
| 63) 1,1,2,2-Tetrachloroethane | 9.979  | 83    | 898m     | 0.035    | ppbv   |          |
| -----                         |        |       |          |          |        |          |

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL081325\  
Data File : VL042847.D  
Acq On : 13 Aug 2025 11:30  
Operator : SY/MD  
Sample : VSTDIC0.03  
Misc : 400mL/MSVOA\_L  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :  
VSTDIC0.03

Quant Time: Aug 14 01:50:16 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL081325AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
QLast Update : Thu Aug 14 01:44:36 2025  
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL081325\  
 Data File : VL042848.D  
 Acq On : 13 Aug 2025 12:06  
 Operator : SY/MD  
 Sample : VSTDIC015  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC015

Quant Time: Aug 14 01:51:12 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL081325AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Thu Aug 14 01:44:36 2025  
 Response via : Initial Calibration

| Compound                | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|-------|------|----------|--------|-------|----------|
| -----                   |       |      |          |        |       |          |
| Internal Standards      |       |      |          |        |       |          |
| 1) Bromochloromethane   | 2.794 | 49   | 122073   | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 3.965 | 114  | 380877   | 10.000 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 8.892 | 117  | 337876   | 10.000 | ppbv  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 68) 1-Bromo-4-Fluorobenzene | 10.384 | 95    | 254655   | 10.050   | ppbv | 0.00     |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 100.500% |

| Target Compounds              |       |     |        |        |        | Qvalue |
|-------------------------------|-------|-----|--------|--------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.502 | 85  | 253151 | 14.150 | ppbv   | 99     |
| 3) Chlorodifluoromethane      | 1.480 | 51  | 275350 | 13.910 | ppbv   | 99     |
| 4) Chloromethane              | 1.535 | 50  | 100974 | 13.986 | ppbv   | 99     |
| 5) Vinyl Chloride             | 1.583 | 62  | 92812  | 13.053 | ppbv   | 100    |
| 6) Bromomethane               | 1.671 | 94  | 37740  | 13.275 | ppbv   | 96     |
| 7) Chloroethane               | 1.706 | 64  | 38398  | 13.828 | ppbv   | 97     |
| 8) Dichlorotetrafluoroethane  | 1.557 | 85  | 205386 | 14.029 | ppbv   | 98     |
| 9) Propene                    | 1.486 | 41  | 111824 | 13.094 | ppbv   | 99     |
| 10) Heptane                   | 4.988 | 43  | 313734 | 13.742 | ppbv   | 99     |
| 11) Trichlorofluoromethane    | 1.881 | 101 | 246354 | 13.957 | ppbv   | 100    |
| 12) 1,1,2-Trichlorotrifluo... | 2.143 | 101 | 195231 | 13.877 | ppbv   | 99     |
| 13) Ethanol                   | 1.722 | 45  | 8534   | 10.086 | ppbv   | 98     |
| 14) Bromoethene               | 1.784 | 108 | 71671  | 14.072 | ppbv   | 99     |
| 15) Acetone                   | 1.839 | 43  | 184116 | 11.402 | ppbv   | 100    |
| 16) 1,3-Butadiene             | 1.612 | 39  | 92068  | 12.577 | ppbv   | 100    |
| 17) tert-Butyl alcohol        | 2.043 | 59  | 244441 | 12.765 | ppbv   | 100    |
| 18) 1,1-Dichloroethene        | 2.036 | 96  | 86349  | 13.961 | ppbv   | 97     |
| 19) Isopropyl Alcohol         | 1.887 | 45  | 124270 | 12.885 | ppbv   | 99     |
| 20) Methylene Chloride        | 2.065 | 84  | 77749  | 11.494 | ppbv   | 97     |
| 21) Allyl Chloride            | 2.101 | 41  | 156318 | 13.703 | ppbv   | 95     |
| 22) trans-1,2-Dichloroethene  | 2.344 | 96  | 100064 | 14.465 | ppbv   | 95     |
| 23) Vinyl Acetate             | 2.467 | 43  | 309236 | 14.557 | ppbv   | 98     |
| 24) 1,1-Dichloroethane        | 2.412 | 63  | 199276 | 13.944 | ppbv   | 98     |
| 25) Ethyl Acetate             | 2.839 | 43  | 533600 | 13.653 | ppbv   | 99     |
| 26) Hexane                    | 2.833 | 57  | 250189 | 13.869 | ppbv   | 98     |
| 27) Carbon Disulfide          | 2.153 | 76  | 246868 | 14.062 | ppbv   | 99     |
| 28) Methyl tert-Butyl Ether   | 2.444 | 73  | 129978 | 14.131 | ppbv   | 91     |
| 29) Chloroform                | 2.855 | 83  | 360661 | 14.003 | ppbv   | 99     |
| 30) Cyclohexane               | 3.865 | 84  | 222820 | 14.088 | ppbv   | 98     |
| 31) cis-1,2-Dichloroethene    | 2.726 | 61  | 249376 | 13.821 | ppbv   | 96     |
| 32) 1,1,1-Trichloroethane     | 3.376 | 97  | 377739 | 13.851 | ppbv   | 100    |
| 34) 2-Butanone                | 2.561 | 43  | 348815 | 13.563 | ppbv   | 99     |
| 35) Carbon Tetrachloride      | 3.771 | 117 | 367354 | 13.990 | ppbv   | 97     |
| 36) Benzene                   | 3.664 | 78  | 511811 | 14.033 | ppbv   | 99     |
| 37) 1,2-Dichloroethane        | 3.224 | 62  | 278934 | 14.639 | ppbv   | 99     |
| 38) Trichloroethene           | 4.558 | 130 | 227091 | 13.634 | ppbv   | 96     |
| 39) 1,2-Dichloropropane       | 4.325 | 63  | 186277 | 13.984 | ppbv   | 95     |
| 40) 1,4-Dioxane               | 4.593 | 88  | 82385  | 13.212 | ppbv # | 91     |
| 41) Tetrahydrofuran           | 3.056 | 42  | 200751 | 14.001 | ppbv   | 99     |
| 42) Bromodichloromethane      | 4.499 | 83  | 408089 | 14.372 | ppbv   | 97     |
| 43) Methyl Methacrylate       | 4.888 | 69  | 206590 | 13.808 | ppbv   | 99     |
| 44) 2,2,4-Trimethylpentane    | 4.652 | 57  | 850847 | 13.895 | ppbv   | 99     |
| 45) t-1,3-Dichloropropene     | 6.428 | 75  | 244117 | 14.387 | ppbv   | 99     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL081325\  
 Data File : VL042848.D  
 Acq On : 13 Aug 2025 12:06  
 Operator : SY/MD  
 Sample : VSTDIC015  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

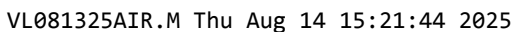
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDIC015

Quant Time: Aug 14 01:51:12 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL081325AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD T0-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Thu Aug 14 01:44:36 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 46) cis-1,3-Dichloropropene   | 5.616  | 75   | 302339   | 14.191 | ppbv  | 98       |
| 47) 1,1,2-Trichloroethane     | 6.597  | 97   | 199067   | 14.118 | ppbv  | 98       |
| 48) Dibromochloromethane      | 7.399  | 129  | 331947   | 14.535 | ppbv  | 99       |
| 49) Bromoform                 | 9.494  | 173  | 266732   | 14.162 | ppbv  | 100      |
| 50) 4-Methyl-2-Pentanone      | 5.758  | 43   | 490917   | 14.073 | ppbv  | 100      |
| 51) 2-Hexanone                | 7.448  | 43   | 389940   | 14.255 | ppbv  | 100      |
| 52) Tetrachloroethene         | 8.238  | 164  | 168712   | 12.772 | ppbv  | 98       |
| 53) Toluene                   | 6.943  | 91   | 605941   | 13.961 | ppbv  | 100      |
| 54) 1,2-Dibromoethane         | 7.665  | 107  | 292327   | 14.173 | ppbv  | 97       |
| 56) 1,1,1,2-Tetrachloroethane | 8.934  | 131  | 241293   | 13.810 | ppbv  | 99       |
| 57) Chlorobenzene             | 8.934  | 112  | 439109   | 13.668 | ppbv  | 99       |
| 58) Ethyl Benzene             | 9.364  | 91   | 826316   | 13.859 | ppbv  | 99       |
| 59) m/p-Xylene                | 9.561  | 91   | 1294381m | 27.650 | ppbv  |          |
| 60) o-Xylene                  | 9.973  | 91   | 629445   | 13.389 | ppbv  | 100      |
| 61) Styrene                   | 9.882  | 104  | 304560   | 13.827 | ppbv  | 99       |
| 62) Isopropylbenzene          | 10.549 | 105  | 931574   | 13.559 | ppbv  | 99       |
| 63) 1,1,2,2-Tetrachloroethane | 9.973  | 83   | 342890   | 13.356 | ppbv  | 98       |
| 64) n-propylbenzene           | 10.999 | 120  | 239209   | 13.646 | ppbv  | 98       |
| 65) tert-Butylbenzene         | 11.539 | 119  | 785250   | 12.965 | ppbv  | 98       |
| 66) Benzyl Chloride           | 11.623 | 91   | 104698   | 13.617 | ppbv  | 99       |
| 67) sec-Butylbenzene          | 11.775 | 105  | 1115979  | 13.127 | ppbv  | 100      |
| 69) p-Isopropyltoluene        | 11.931 | 119  | 940888   | 12.891 | ppbv  | 98       |
| 70) n-Butylbenzene            | 12.287 | 91   | 970700   | 13.410 | ppbv  | 100      |
| 71) 2-Chlorotoluene           | 10.911 | 91   | 713696   | 13.378 | ppbv  | 99       |
| 72) 4-Ethyltoluene            | 11.134 | 105  | 782057   | 13.722 | ppbv  | 99       |
| 73) 1,3,5-Trimethylbenzene    | 11.212 | 105  | 650280   | 13.418 | ppbv  | 99       |
| 74) 1,2,4-Trimethylbenzene    | 11.546 | 105  | 691709   | 13.003 | ppbv  | 95       |
| 75) 1,3-Dichlorobenzene       | 11.617 | 146  | 402850   | 13.321 | ppbv  | 99       |
| 76) 1,4-Dichlorobenzene       | 11.678 | 146  | 407214   | 13.314 | ppbv  | 98       |
| 77) 1,2-Dichlorobenzene       | 11.953 | 146  | 385866   | 13.031 | ppbv  | 99       |
| 78) Hexachloro-1,3-Butadiene  | 13.886 | 225  | 281581   | 11.602 | ppbv  | 99       |
| 79) Naphthalene               | 13.517 | 128  | 658732   | 13.837 | ppbv  | 100      |
| 80) Naphthalene,2-methyl-     | 14.462 | 142  | 251753   | 14.042 | ppbv  | 100      |
| 81) 1,2,4-Trichlorobenzene    | 13.445 | 180  | 329641   | 13.599 | ppbv  | 100      |

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

Quant Time: Aug 14 01:51:12 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL081325AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LFri Aug 26 06:05:16 2022  
QLast Update : Thu Aug 14 01:44:36 2025  
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL081325\  
 Data File : VL042849.D  
 Acq On : 13 Aug 2025 12:56  
 Operator : SY/MD  
 Sample : VSTDICV010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 ICSVVL081325

Quant Time: Aug 14 02:16:09 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL081325AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Thu Aug 14 02:12:54 2025  
 Response via : Initial Calibration

| Compound                | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|-------|------|----------|--------|-------|----------|
| -----                   |       |      |          |        |       |          |
| Internal Standards      |       |      |          |        |       |          |
| 1) Bromochloromethane   | 2.790 | 49   | 122486   | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 3.965 | 114  | 374448   | 10.000 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 8.891 | 117  | 333493   | 10.000 | ppbv  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 68) 1-Bromo-4-Fluorobenzene | 10.383 | 95    | 252268   | 10.086   | ppbv | 0.00     |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 100.900% |

| Target Compounds              |       |     |        |       |        | Qvalue |
|-------------------------------|-------|-----|--------|-------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.499 | 85  | 163446 | 9.105 | ppbv   | 96     |
| 3) Chlorodifluoromethane      | 1.476 | 51  | 185078 | 9.327 | ppbv   | 100    |
| 4) Chloromethane              | 1.535 | 50  | 63634  | 8.784 | ppbv   | 100    |
| 5) Vinyl Chloride             | 1.583 | 62  | 58729  | 8.232 | ppbv   | 96     |
| 6) Bromomethane               | 1.670 | 94  | 25105  | 8.801 | ppbv   | 97     |
| 7) Chloroethane               | 1.706 | 64  | 23293  | 8.360 | ppbv   | 98     |
| 8) Dichlorotetrafluoroethane  | 1.557 | 85  | 135845 | 9.248 | ppbv   | 99     |
| 9) Propene                    | 1.483 | 41  | 76457  | 8.922 | ppbv   | 97     |
| 10) Heptane                   | 4.988 | 43  | 206333 | 8.990 | ppbv   | 99     |
| 11) Trichlorofluoromethane    | 1.881 | 101 | 154211 | 8.707 | ppbv   | 99     |
| 12) 1,1,2-Trichlorotrifluo... | 2.143 | 101 | 124558 | 8.824 | ppbv   | 99     |
| 13) Ethanol                   | 1.722 | 45  | 6016   | 7.678 | ppbv   | 96     |
| 14) Bromoethene               | 1.784 | 108 | 46528  | 9.105 | ppbv   | 98     |
| 15) Acetone                   | 1.839 | 43  | 119723 | 7.389 | ppbv   | 99     |
| 16) 1,3-Butadiene             | 1.612 | 39  | 60853  | 8.285 | ppbv   | 99     |
| 17) tert-Butyl alcohol        | 2.043 | 59  | 166457 | 8.663 | ppbv   | 99     |
| 18) 1,1-Dichloroethene        | 2.036 | 96  | 56397  | 9.087 | ppbv   | 94     |
| 19) Isopropyl Alcohol         | 1.887 | 45  | 78832  | 8.146 | ppbv   | 98     |
| 20) Methylene Chloride        | 2.065 | 84  | 47793  | 7.041 | ppbv   | 90     |
| 21) Allyl Chloride            | 2.098 | 41  | 102514 | 8.956 | ppbv   | 97     |
| 22) trans-1,2-Dichloroethene  | 2.344 | 96  | 63932  | 8.904 | ppbv   | 95     |
| 23) Vinyl Acetate             | 2.467 | 43  | 198083 | 8.891 | ppbv # | 97     |
| 24) 1,1-Dichloroethane        | 2.412 | 63  | 127660 | 8.903 | ppbv   | 99     |
| 25) Ethyl Acetate             | 2.839 | 43  | 362325 | 9.240 | ppbv   | 99     |
| 26) Hexane                    | 2.829 | 57  | 167364 | 9.246 | ppbv   | 97     |
| 27) Carbon Disulfide          | 2.153 | 76  | 155729 | 8.841 | ppbv   | 99     |
| 28) Methyl tert-Butyl Ether   | 2.444 | 73  | 82126  | 8.898 | ppbv   | 92     |
| 29) Chloroform                | 2.855 | 83  | 242320 | 9.377 | ppbv   | 99     |
| 30) Cyclohexane               | 3.865 | 84  | 147417 | 9.289 | ppbv   | 99     |
| 31) cis-1,2-Dichloroethene    | 2.726 | 61  | 166268 | 9.196 | ppbv   | 99     |
| 32) 1,1,1-Trichloroethane     | 3.373 | 97  | 252813 | 9.256 | ppbv   | 99     |
| 34) 2-Butanone                | 2.561 | 43  | 230961 | 9.135 | ppbv   | 100    |
| 35) Carbon Tetrachloride      | 3.771 | 117 | 244671 | 9.478 | ppbv   | 95     |
| 36) Benzene                   | 3.664 | 78  | 343952 | 9.592 | ppbv   | 98     |
| 37) 1,2-Dichloroethane        | 3.224 | 62  | 187160 | 9.991 | ppbv   | 100    |
| 38) Trichloroethene           | 4.558 | 130 | 150693 | 9.202 | ppbv   | 96     |
| 39) 1,2-Dichloropropane       | 4.324 | 63  | 123566 | 9.436 | ppbv   | 97     |
| 40) 1,4-Dioxane               | 4.590 | 88  | 55292  | 8.879 | ppbv # | 93     |
| 41) Tetrahydrofuran           | 3.059 | 42  | 132108 | 9.372 | ppbv   | 99     |
| 42) Bromodichloromethane      | 4.499 | 83  | 270154 | 9.678 | ppbv   | 99     |
| 43) Methyl Methacrylate       | 4.888 | 69  | 136329 | 9.229 | ppbv   | 99     |
| 44) 2,2,4-Trimethylpentane    | 4.648 | 57  | 565415 | 9.290 | ppbv   | 100    |
| 45) t-1,3-Dichloropropene     | 6.428 | 75  | 160784 | 9.645 | ppbv   | 100    |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL081325\  
 Data File : VL042849.D  
 Acq On : 13 Aug 2025 12:56  
 Operator : SY/MD  
 Sample : VSTDICV010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

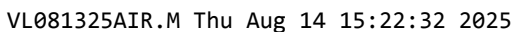
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 ICVVL081325

Quant Time: Aug 14 02:16:09 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL081325AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Thu Aug 14 02:12:54 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 46) cis-1,3-Dichloropropene   | 5.613  | 75   | 199988m  | 9.628  | ppbv   |          |
| 47) 1,1,2-Trichloroethane     | 6.597  | 97   | 132548   | 9.553  | ppbv   | 99       |
| 48) Dibromochloromethane      | 7.399  | 129  | 217970   | 9.708  | ppbv   | 100      |
| 49) Bromoform                 | 9.493  | 173  | 174914   | 9.446  | ppbv   | 99       |
| 50) 4-Methyl-2-Pentanone      | 5.765  | 43   | 322264   | 9.430  | ppbv   | 100      |
| 51) 2-Hexanone                | 7.445  | 43   | 263321   | 9.791  | ppbv # | 98       |
| 52) Tetrachloroethene         | 8.234  | 164  | 110828   | 8.544  | ppbv   | 89       |
| 53) Toluene                   | 6.946  | 91   | 398138   | 9.340  | ppbv   | 100      |
| 54) 1,2-Dibromoethane         | 7.665  | 107  | 193340   | 9.535  | ppbv   | 98       |
| 56) 1,1,1,2-Tetrachloroethane | 8.937  | 131  | 160225   | 9.291  | ppbv   | 99       |
| 57) Chlorobenzene             | 8.933  | 112  | 297375   | 9.378  | ppbv   | 97       |
| 58) Ethyl Benzene             | 9.364  | 91   | 554015   | 9.414  | ppbv   | 100      |
| 59) m/p-Xylene                | 9.561  | 91   | 865106m  | 18.754 | ppbv   |          |
| 60) o-Xylene                  | 9.972  | 91   | 428721   | 9.239  | ppbv   | 99       |
| 61) Styrene                   | 9.879  | 104  | 203858   | 9.377  | ppbv   | 100      |
| 62) Isopropylbenzene          | 10.549 | 105  | 624287   | 9.206  | ppbv   | 98       |
| 63) 1,1,2,2-Tetrachloroethane | 9.972  | 83   | 225237   | 8.826  | ppbv   | 100      |
| 64) n-propylbenzene           | 10.998 | 120  | 158234   | 9.145  | ppbv   | 97       |
| 65) tert-Butylbenzene         | 11.539 | 119  | 534795   | 8.946  | ppbv   | 98       |
| 66) Benzyl Chloride           | 11.623 | 91   | 68533    | 9.031  | ppbv   | 99       |
| 67) sec-Butylbenzene          | 11.775 | 105  | 762602   | 9.088  | ppbv   | 100      |
| 69) p-Isopropyltoluene        | 11.934 | 119  | 634670   | 8.810  | ppbv   | 98       |
| 70) n-Butylbenzene            | 12.287 | 91   | 647453   | 9.062  | ppbv   | 99       |
| 71) 2-Chlorotoluene           | 10.908 | 91   | 485171   | 9.214  | ppbv   | 98       |
| 72) 4-Ethyltoluene            | 11.131 | 105  | 525262   | 9.338  | ppbv   | 100      |
| 73) 1,3,5-Trimethylbenzene    | 11.212 | 105  | 435705   | 9.108  | ppbv   | 98       |
| 74) 1,2,4-Trimethylbenzene    | 11.542 | 105  | 469573   | 8.943  | ppbv   | 94       |
| 75) 1,3-Dichlorobenzene       | 11.613 | 146  | 274876   | 9.209  | ppbv   | 100      |
| 76) 1,4-Dichlorobenzene       | 11.678 | 146  | 270976   | 8.976  | ppbv   | 99       |
| 77) 1,2-Dichlorobenzene       | 11.953 | 146  | 255347   | 8.736  | ppbv   | 98       |
| 78) Hexachloro-1,3-Butadiene  | 13.886 | 225  | 186318   | 7.778  | ppbv   | 97       |
| 79) Naphthalene               | 13.520 | 128  | 441940   | 9.284  | ppbv   | 99       |
| 80) Naphthalene,2-methyl-     | 14.462 | 142  | 145644   | 8.188  | ppbv   | 98       |
| 81) 1,2,4-Trichlorobenzene    | 13.445 | 180  | 215715   | 9.016  | ppbv   | 99       |

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

Quant Time: Aug 14 02:16:09 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL081325AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LFri Aug 26 06:05:16 2022  
QLast Update : Thu Aug 14 02:12:54 2025  
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL081325\  
 Data File : VL042849.D  
 Acq On : 13 Aug 2025 12:56  
 Operator : SY/MD  
 Sample : VSTDICV010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 ICSVVL081325

Quant Time: Aug 14 02:16:09 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL081325AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Thu Aug 14 02:12:54 2025  
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 30% Max. Rel. Area : 150%

|      | Compound                    | AvgRF | CCRF   | %Dev | Area% | Dev(min) |
|------|-----------------------------|-------|--------|------|-------|----------|
| 1 I  | Bromochloromethane          | 1.000 | 1.000  | 0.0  | 92    | 0.00     |
| 2 T  | Dichlorodifluoromethane     | 1.466 | 1.334  | 9.0  | 91    | 0.00     |
| 3    | Chlorodifluoromethane       | 1.620 | 1.511  | 6.7  | 92    | 0.00     |
| 4    | Chloromethane               | 0.591 | 0.520  | 12.0 | 90    | 0.00     |
| 5 T  | Vinyl Chloride              | 0.582 | 0.479  | 17.7 | 88    | 0.00     |
| 6 T  | Bromomethane                | 0.233 | 0.205  | 12.0 | 93    | 0.00     |
| 7    | Chloroethane                | 0.227 | 0.190  | 16.3 | 87    | 0.00     |
| 8 T  | Dichlorotetrafluoroethane   | 1.199 | 1.109  | 7.5  | 91    | 0.00     |
| 9 T  | Propene                     | 0.700 | 0.624  | 10.9 | 88    | 0.00     |
| 10 T | Heptane                     | 1.874 | 1.685  | 10.1 | 90    | 0.00     |
| 11 T | Trichlorofluoromethane      | 1.446 | 1.259  | 12.9 | 91    | 0.00     |
| 12 T | 1,1,2-Trichlorotrifluoroeth | 1.152 | 1.017  | 11.7 | 89    | 0.00     |
| 13   | Ethanol                     | 0.064 | 0.049# | 23.4 | 97    | 0.00     |
| 14 T | Bromoethene                 | 0.417 | 0.380  | 8.9  | 92    | 0.00     |
| 15 T | Acetone                     | 1.323 | 0.977  | 26.2 | 95    | 0.00     |
| 16 T | 1,3-Butadiene               | 0.600 | 0.497  | 17.2 | 91    | 0.00     |
| 17   | tert-Butyl alcohol          | 1.569 | 1.359  | 13.4 | 91    | 0.00     |
| 18 T | 1,1-Dichloroethene          | 0.507 | 0.460  | 9.3  | 90    | 0.00     |
| 19 T | Isopropyl Alcohol           | 0.790 | 0.644  | 18.5 | 91    | 0.00     |
| 20 T | Methylene Chloride          | 0.554 | 0.390  | 29.6 | 87    | 0.00     |
| 21 T | Allyl Chloride              | 0.935 | 0.837  | 10.5 | 91    | 0.00     |
| 22 T | trans-1,2-Dichloroethene    | 0.586 | 0.522  | 10.9 | 89    | 0.00     |
| 23 T | Vinyl Acetate               | 1.819 | 1.617  | 11.1 | 89    | 0.00     |
| 24 T | 1,1-Dichloroethane          | 1.171 | 1.042  | 11.0 | 92    | 0.00     |
| 25 T | Ethyl Acetate               | 3.202 | 2.958  | 7.6  | 93    | 0.00     |
| 26 T | Hexane                      | 1.478 | 1.366  | 7.6  | 90    | 0.00     |
| 27 T | Carbon Disulfide            | 1.438 | 1.271  | 11.6 | 89    | 0.00     |
| 28 T | Methyl tert-Butyl Ether     | 0.754 | 0.670  | 11.1 | 93    | 0.00     |
| 29 T | Chloroform                  | 2.110 | 1.978  | 6.3  | 94    | 0.00     |
| 30 T | Cyclohexane                 | 1.296 | 1.204  | 7.1  | 91    | 0.00     |
| 31 T | cis-1,2-Dichloroethene      | 1.476 | 1.357  | 8.1  | 93    | 0.00     |
| 32 T | 1,1,1-Trichloroethane       | 2.230 | 2.064  | 7.4  | 95    | 0.00     |
| 33 I | 1,4-Difluorobenzene         | 1.000 | 1.000  | 0.0  | 91    | 0.00     |
| 34 T | 2-Butanone                  | 0.675 | 0.617  | 8.6  | 92    | 0.00     |
| 35 T | Carbon Tetrachloride        | 0.689 | 0.653  | 5.2  | 93    | 0.00     |
| 36 T | Benzene                     | 0.958 | 0.919  | 4.1  | 91    | 0.00     |
| 37 T | 1,2-Dichloroethane          | 0.500 | 0.500  | 0.0  | 94    | 0.00     |
| 38 T | Trichloroethene             | 0.437 | 0.402  | 8.0  | 91    | 0.00     |
| 39 T | 1,2-Dichloropropane         | 0.350 | 0.330  | 5.7  | 92    | 0.00     |
| 40 T | 1,4-Dioxane                 | 0.166 | 0.148  | 10.8 | 90    | 0.00     |
| 41 T | Tetrahydrofuran             | 0.376 | 0.353  | 6.1  | 90    | 0.00     |
| 42 T | Bromodichloromethane        | 0.745 | 0.721  | 3.2  | 92    | 0.00     |
| 43   | Methyl Methacrylate         | 0.394 | 0.364  | 7.6  | 90    | 0.00     |
| 44 T | 2,2,4-Trimethylpentane      | 1.625 | 1.510  | 7.1  | 90    | 0.00     |
| 45 T | t-1,3-Dichloropropene       | 0.445 | 0.429  | 3.6  | 91    | 0.00     |
| 46 T | cis-1,3-Dichloropropene     | 0.555 | 0.534  | 3.8  | 90    | 0.00     |
| 47 T | 1,1,2-Trichloroethane       | 0.371 | 0.354  | 4.6  | 94    | 0.00     |
| 48 T | Dibromochloromethane        | 0.600 | 0.582  | 3.0  | 90    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL081325\  
 Data File : VL042849.D  
 Acq On : 13 Aug 2025 12:56  
 Operator : SY/MD  
 Sample : VSTDICV010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 ICVVL081325

Quant Time: Aug 14 02:16:09 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL081325AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Thu Aug 14 02:12:54 2025  
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 30% Max. Rel. Area : 150%

|      | Compound                  | AvgRF | CCRF  | %Dev | Area% | Dev(min) |
|------|---------------------------|-------|-------|------|-------|----------|
| 49 T | Bromoform                 | 0.495 | 0.467 | 5.7  | 86    | 0.00     |
| 50 T | 4-Methyl-2-Pentanone      | 0.913 | 0.861 | 5.7  | 88    | 0.00     |
| 51 T | 2-Hexanone                | 0.718 | 0.703 | 2.1  | 91    | 0.00     |
| 52 T | Tetrachloroethene         | 0.346 | 0.296 | 14.5 | 86    | 0.00     |
| 53 T | Toluene                   | 1.138 | 1.063 | 6.6  | 90    | 0.00     |
| 54 T | 1,2-Dibromoethane         | 0.542 | 0.516 | 4.8  | 92    | 0.00     |
| 55 I | Chlorobenzene-d5          | 1.000 | 1.000 | 0.0  | 90    | 0.00     |
| 56   | 1,1,1,2-Tetrachloroethane | 0.517 | 0.480 | 7.2  | 91    | 0.00     |
| 57 T | Chlorobenzene             | 0.951 | 0.892 | 6.2  | 91    | 0.00     |
| 58 T | Ethyl Benzene             | 1.765 | 1.661 | 5.9  | 91    | 0.00     |
| 59 T | m/p-Xylene                | 1.383 | 1.297 | 6.2  | 91    | 0.02     |
| 60 T | o-Xylene                  | 1.391 | 1.286 | 7.5  | 91    | 0.00     |
| 61 T | Styrene                   | 0.652 | 0.611 | 6.3  | 90    | 0.00     |
| 62   | Isopropylbenzene          | 2.033 | 1.872 | 7.9  | 91    | 0.00     |
| 63 T | 1,1,2,2-Tetrachloroethane | 0.765 | 0.675 | 11.8 | 90    | 0.00     |
| 64   | n-propylbenzene           | 0.519 | 0.474 | 8.7  | 90    | 0.00     |
| 65   | tert-Butylbenzene         | 1.793 | 1.604 | 10.5 | 90    | 0.00     |
| 66 T | Benzyl Chloride           | 0.228 | 0.206 | 9.6  | 81    | 0.00     |
| 67   | sec-Butylbenzene          | 2.516 | 2.287 | 9.1  | 92    | 0.00     |
| 68 S | 1-Bromo-4-Fluorobenzene   | 0.750 | 0.756 | -0.8 | 90    | 0.00     |
| 69   | p-Isopropyltoluene        | 2.160 | 1.903 | 11.9 | 90    | 0.00     |
| 70   | n-Butylbenzene            | 2.142 | 1.941 | 9.4  | 91    | 0.00     |
| 71   | 2-Chlorotoluene           | 1.579 | 1.455 | 7.9  | 92    | 0.00     |
| 72 T | 4-Ethyltoluene            | 1.687 | 1.575 | 6.6  | 91    | 0.00     |
| 73 T | 1,3,5-Trimethylbenzene    | 1.434 | 1.306 | 8.9  | 91    | 0.00     |
| 74 T | 1,2,4-Trimethylbenzene    | 1.574 | 1.408 | 10.5 | 91    | 0.00     |
| 75 T | 1,3-Dichlorobenzene       | 0.895 | 0.824 | 7.9  | 89    | 0.00     |
| 76 T | 1,4-Dichlorobenzene       | 0.905 | 0.813 | 10.2 | 88    | 0.00     |
| 77 T | 1,2-Dichlorobenzene       | 0.876 | 0.766 | 12.6 | 88    | 0.00     |
| 78 T | Hexachloro-1,3-Butadiene  | 0.718 | 0.559 | 22.1 | 88    | 0.00     |
| 79 T | Naphthalene               | 1.427 | 1.325 | 7.1  | 91    | 0.00     |
| 80 T | Naphthalene,2-methyl-     | 0.533 | 0.437 | 18.0 | 82    | 0.00     |
| 81 T | 1,2,4-Trichlorobenzene    | 0.717 | 0.647 | 9.8  | 88    | 0.00     |

(#) = Out of Range

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL081325\  
 Data File : VL042849.D  
 Acq On : 13 Aug 2025 12:56  
 Operator : SY/MD  
 Sample : VSTDICV010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 ICVVL081325

Quant Time: Aug 14 02:16:09 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL081325AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Thu Aug 14 02:12:54 2025  
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 30% Max. Rel. Area : 150%

|      | Compound                    | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|-----------------------------|--------|--------|------|-------|----------|
| 1 I  | Bromochloromethane          | 10.000 | 10.000 | 0.0  | 92    | 0.00     |
| 2 T  | Dichlorodifluoromethane     | 10.000 | 9.105  | 8.9  | 91    | 0.00     |
| 3    | Chlorodifluoromethane       | 10.000 | 9.327  | 6.7  | 92    | 0.00     |
| 4    | Chloromethane               | 10.000 | 8.784  | 12.2 | 90    | 0.00     |
| 5 T  | Vinyl Chloride              | 10.000 | 8.232  | 17.7 | 88    | 0.00     |
| 6 T  | Bromomethane                | 10.000 | 8.801  | 12.0 | 93    | 0.00     |
| 7    | Chloroethane                | 10.000 | 8.360  | 16.4 | 87    | 0.00     |
| 8 T  | Dichlorotetrafluoroethane   | 10.000 | 9.248  | 7.5  | 91    | 0.00     |
| 9 T  | Propene                     | 10.000 | 8.922  | 10.8 | 88    | 0.00     |
| 10 T | Heptane                     | 10.000 | 8.990  | 10.1 | 90    | 0.00     |
| 11 T | Trichlorofluoromethane      | 10.000 | 8.707  | 12.9 | 91    | 0.00     |
| 12 T | 1,1,2-Trichlorotrifluoroeth | 10.000 | 8.824  | 11.8 | 89    | 0.00     |
| 13   | Ethanol                     | 10.000 | 7.678  | 23.2 | 97    | 0.00     |
| 14 T | Bromoethene                 | 10.000 | 9.105  | 8.9  | 92    | 0.00     |
| 15 T | Acetone                     | 10.000 | 7.389  | 26.1 | 95    | 0.00     |
| 16 T | 1,3-Butadiene               | 10.000 | 8.285  | 17.1 | 91    | 0.00     |
| 17   | tert-Butyl alcohol          | 10.000 | 8.663  | 13.4 | 91    | 0.00     |
| 18 T | 1,1-Dichloroethene          | 10.000 | 9.087  | 9.1  | 90    | 0.00     |
| 19 T | Isopropyl Alcohol           | 10.000 | 8.146  | 18.5 | 91    | 0.00     |
| 20 T | Methylene Chloride          | 10.000 | 7.041  | 29.6 | 87    | 0.00     |
| 21 T | Allyl Chloride              | 10.000 | 8.956  | 10.4 | 91    | 0.00     |
| 22 T | trans-1,2-Dichloroethene    | 10.000 | 8.904  | 11.0 | 89    | 0.00     |
| 23 T | Vinyl Acetate               | 10.000 | 8.891  | 11.1 | 89    | 0.00     |
| 24 T | 1,1-Dichloroethane          | 10.000 | 8.903  | 11.0 | 92    | 0.00     |
| 25 T | Ethyl Acetate               | 10.000 | 9.240  | 7.6  | 93    | 0.00     |
| 26 T | Hexane                      | 10.000 | 9.246  | 7.5  | 90    | 0.00     |
| 27 T | Carbon Disulfide            | 10.000 | 8.841  | 11.6 | 89    | 0.00     |
| 28 T | Methyl tert-Butyl Ether     | 10.000 | 8.898  | 11.0 | 93    | 0.00     |
| 29 T | Chloroform                  | 10.000 | 9.377  | 6.2  | 94    | 0.00     |
| 30 T | Cyclohexane                 | 10.000 | 9.289  | 7.1  | 91    | 0.00     |
| 31 T | cis-1,2-Dichloroethene      | 10.000 | 9.196  | 8.0  | 93    | 0.00     |
| 32 T | 1,1,1-Trichloroethane       | 10.000 | 9.256  | 7.4  | 95    | 0.00     |
| 33 I | 1,4-Difluorobenzene         | 10.000 | 10.000 | 0.0  | 91    | 0.00     |
| 34 T | 2-Butanone                  | 10.000 | 9.135  | 8.7  | 92    | 0.00     |
| 35 T | Carbon Tetrachloride        | 10.000 | 9.478  | 5.2  | 93    | 0.00     |
| 36 T | Benzene                     | 10.000 | 9.592  | 4.1  | 91    | 0.00     |
| 37 T | 1,2-Dichloroethane          | 10.000 | 9.991  | 0.1  | 94    | 0.00     |
| 38 T | Trichloroethene             | 10.000 | 9.202  | 8.0  | 91    | 0.00     |
| 39 T | 1,2-Dichloropropane         | 10.000 | 9.436  | 5.6  | 92    | 0.00     |
| 40 T | 1,4-Dioxane                 | 10.000 | 8.879  | 11.2 | 90    | 0.00     |
| 41 T | Tetrahydrofuran             | 10.000 | 9.372  | 6.3  | 90    | 0.00     |
| 42 T | Bromodichloromethane        | 10.000 | 9.678  | 3.2  | 92    | 0.00     |
| 43   | Methyl Methacrylate         | 10.000 | 9.229  | 7.7  | 90    | 0.00     |
| 44 T | 2,2,4-Trimethylpentane      | 10.000 | 9.290  | 7.1  | 90    | 0.00     |
| 45 T | t-1,3-Dichloropropene       | 10.000 | 9.645  | 3.6  | 91    | 0.00     |
| 46 T | cis-1,3-Dichloropropene     | 10.000 | 9.628  | 3.7  | 90    | 0.00     |
| 47 T | 1,1,2-Trichloroethane       | 10.000 | 9.553  | 4.5  | 94    | 0.00     |
| 48 T | Dibromochloromethane        | 10.000 | 9.708  | 2.9  | 90    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL081325\  
 Data File : VL042849.D  
 Acq On : 13 Aug 2025 12:56  
 Operator : SY/MD  
 Sample : VSTDICV010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 ICVVL081325

Quant Time: Aug 14 02:16:09 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL081325AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Thu Aug 14 02:12:54 2025  
 Response via : Initial Calibration

Min. RRF : 0.050 Min. Rel. Area : 20% Max. R.T. Dev 0.50min  
 Max. RRF Dev : 30% Max. Rel. Area : 150%

|       | Compound                  | Amount | Calc.  | %Dev | Area% | Dev(min) |
|-------|---------------------------|--------|--------|------|-------|----------|
| ----- |                           |        |        |      |       |          |
| 49 T  | Bromoform                 | 10.000 | 9.446  | 5.5  | 86    | 0.00     |
| 50 T  | 4-Methyl-2-Pentanone      | 10.000 | 9.430  | 5.7  | 88    | 0.00     |
| 51 T  | 2-Hexanone                | 10.000 | 9.791  | 2.1  | 91    | 0.00     |
| 52 T  | Tetrachloroethene         | 10.000 | 8.544  | 14.6 | 86    | 0.00     |
| 53 T  | Toluene                   | 10.000 | 9.340  | 6.6  | 90    | 0.00     |
| 54 T  | 1,2-Dibromoethane         | 10.000 | 9.535  | 4.6  | 92    | 0.00     |
|       |                           |        |        |      |       |          |
| 55 I  | Chlorobenzene-d5          | 10.000 | 10.000 | 0.0  | 90    | 0.00     |
| 56    | 1,1,1,2-Tetrachloroethane | 10.000 | 9.291  | 7.1  | 91    | 0.00     |
| 57 T  | Chlorobenzene             | 10.000 | 9.378  | 6.2  | 91    | 0.00     |
| 58 T  | Ethyl Benzene             | 10.000 | 9.414  | 5.9  | 91    | 0.00     |
| 59 T  | m/p-Xylene                | 20.000 | 18.754 | 6.2  | 91    | 0.02     |
| 60 T  | o-Xylene                  | 10.000 | 9.239  | 7.6  | 91    | 0.00     |
| 61 T  | Styrene                   | 10.000 | 9.377  | 6.2  | 90    | 0.00     |
| 62    | Isopropylbenzene          | 10.000 | 9.206  | 7.9  | 91    | 0.00     |
| 63 T  | 1,1,2,2-Tetrachloroethane | 10.000 | 8.826  | 11.7 | 90    | 0.00     |
| 64    | n-propylbenzene           | 10.000 | 9.145  | 8.6  | 90    | 0.00     |
| 65    | tert-Butylbenzene         | 10.000 | 8.946  | 10.5 | 90    | 0.00     |
| 66 T  | Benzyl Chloride           | 10.000 | 9.031  | 9.7  | 81    | 0.00     |
| 67    | sec-Butylbenzene          | 10.000 | 9.088  | 9.1  | 92    | 0.00     |
| 68 S  | 1-Bromo-4-Fluorobenzene   | 10.000 | 10.086 | -0.9 | 90    | 0.00     |
| 69    | p-Isopropyltoluene        | 10.000 | 8.810  | 11.9 | 90    | 0.00     |
| 70    | n-Butylbenzene            | 10.000 | 9.062  | 9.4  | 91    | 0.00     |
| 71    | 2-Chlorotoluene           | 10.000 | 9.214  | 7.9  | 92    | 0.00     |
| 72 T  | 4-Ethyltoluene            | 10.000 | 9.338  | 6.6  | 91    | 0.00     |
| 73 T  | 1,3,5-Trimethylbenzene    | 10.000 | 9.108  | 8.9  | 91    | 0.00     |
| 74 T  | 1,2,4-Trimethylbenzene    | 10.000 | 8.943  | 10.6 | 91    | 0.00     |
| 75 T  | 1,3-Dichlorobenzene       | 10.000 | 9.209  | 7.9  | 89    | 0.00     |
| 76 T  | 1,4-Dichlorobenzene       | 10.000 | 8.976  | 10.2 | 88    | 0.00     |
| 77 T  | 1,2-Dichlorobenzene       | 10.000 | 8.736  | 12.6 | 88    | 0.00     |
| 78 T  | Hexachloro-1,3-Butadiene  | 10.000 | 7.778  | 22.2 | 88    | 0.00     |
| 79 T  | Naphthalene               | 10.000 | 9.284  | 7.2  | 91    | 0.00     |
| 80 T  | Naphthalene,2-methyl-     | 10.000 | 8.188  | 18.1 | 82    | 0.00     |
| 81 T  | 1,2,4-Trichlorobenzene    | 10.000 | 9.016  | 9.8  | 88    | 0.00     |
| ----- |                           |        |        |      |       |          |

(#) = Out of Range

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

VOLATILE CONTINUING CALIBRATION CHECK

|                     |                   |                        |                                     |
|---------------------|-------------------|------------------------|-------------------------------------|
| Lab Name:           | <u>Alliance</u>   | Contract:              | <u>GFEL01</u>                       |
| Lab Code:           | <u>ACE</u>        | SDG No.:               | <u>Q2794</u>                        |
| Instrument ID:      | <u>MSVOA_L</u>    | Calibration Date/Time: | <u>08/13/2025</u> <u>08:30</u>      |
| Lab File ID:        | <u>VL042842.D</u> | Init. Calib. Date(s):  | <u>08/13/2025</u> <u>08/13/2025</u> |
| Heated Purge: (Y/N) | <u>N</u>          | Init. Calib. Time(s):  | <u>08:30</u> <u>12:06</u>           |
| GC Column:          | <u>RTX-1</u>      | ID:                    | <u>0.32</u> (mm)                    |

| COMPOUND                       | RRF   | RRF010 | MIN RRF | %D     | MAX%D |
|--------------------------------|-------|--------|---------|--------|-------|
| Dichlorodifluoromethane        | 1.466 | 1.343  |         | -8.39  |       |
| Chloromethane                  | 0.591 | 0.533  |         | -9.81  |       |
| Vinyl Chloride                 | 0.582 | 0.502  |         | -13.75 |       |
| Bromomethane                   | 0.233 | 0.203  |         | -12.88 |       |
| Chloroethane                   | 0.227 | 0.202  |         | -11.01 |       |
| Tetrahydrofuran                | 0.376 | 0.355  |         | -5.59  |       |
| Trichlorofluoromethane         | 1.446 | 1.271  |         | -12.1  |       |
| 1,1,2-Trichlorotrifluoroethane | 1.152 | 1.047  |         | -9.11  |       |
| Dichlorotetrafluoroethane      | 1.199 | 1.122  |         | -6.42  |       |
| tert-Butyl alcohol             | 1.569 | 1.371  |         | -12.62 |       |
| Heptane                        | 1.874 | 1.718  |         | -8.32  |       |
| 1,1-Dichloroethene             | 0.507 | 0.469  |         | -7.49  |       |
| Acetone                        | 1.323 | 0.950  |         | -28.19 |       |
| Carbon Disulfide               | 1.438 | 1.314  |         | -8.62  |       |
| Methyl tert-Butyl Ether        | 0.754 | 0.661  |         | -12.33 |       |
| Methylene Chloride             | 0.554 | 0.414  |         | -25.27 |       |
| trans-1,2-Dichloroethene       | 0.586 | 0.537  |         | -8.36  |       |
| 1,1-Dichloroethane             | 1.171 | 1.040  |         | -11.19 |       |
| Cyclohexane                    | 1.296 | 1.214  |         | -6.33  |       |
| 2-Butanone                     | 0.675 | 0.610  |         | -9.63  |       |
| Carbon Tetrachloride           | 0.689 | 0.636  |         | -7.69  |       |
| cis-1,2-Dichloroethene         | 1.476 | 1.346  |         | -8.81  |       |
| Chloroform                     | 2.110 | 1.932  |         | -8.44  |       |
| 1,1,1-Trichloroethane          | 2.230 | 1.999  |         | -10.36 |       |
| 2,2,4-Trimethylpentane         | 1.625 | 1.515  |         | -6.77  |       |
| Benzene                        | 0.958 | 0.912  |         | -4.8   |       |
| 1,2-Dichloroethane             | 0.500 | 0.483  |         | -3.4   |       |
| Trichloroethene                | 0.437 | 0.399  |         | -8.7   |       |
| 1,2-Dichloropropane            | 0.350 | 0.324  |         | -7.43  |       |
| Bromodichloromethane           | 0.745 | 0.708  |         | -4.97  |       |
| 4-Methyl-2-Pentanone           | 0.913 | 0.881  |         | -3.51  |       |
| Toluene                        | 1.138 | 1.072  |         | -5.8   |       |
| t-1,3-Dichloropropene          | 0.445 | 0.428  |         | -3.82  |       |
| cis-1,3-Dichloropropene        | 0.555 | 0.539  |         | -2.88  |       |
| 1,1,2-Trichloroethane          | 0.371 | 0.341  |         | -8.09  |       |
| Dibromochloromethane           | 0.600 | 0.584  |         | -2.67  |       |
| 1,2-Dibromoethane              | 0.542 | 0.506  |         | -6.64  |       |
| Tetrachloroethene              | 0.346 | 0.313  |         | -9.54  |       |

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

VOLATILE CONTINUING CALIBRATION CHECK

|                     |                   |                        |                                     |
|---------------------|-------------------|------------------------|-------------------------------------|
| Lab Name:           | <u>Alliance</u>   | Contract:              | <u>GFEL01</u>                       |
| Lab Code:           | <u>ACE</u>        | SDG No.:               | <u>Q2794</u>                        |
| Instrument ID:      | <u>MSVOA_L</u>    | Calibration Date/Time: | <u>08/13/2025</u> <u>08:30</u>      |
| Lab File ID:        | <u>VL042842.D</u> | Init. Calib. Date(s):  | <u>08/13/2025</u> <u>08/13/2025</u> |
| Heated Purge: (Y/N) | <u>N</u>          | Init. Calib. Time(s):  | <u>08:30</u> <u>12:06</u>           |
| GC Column:          | <u>RTX-1</u>      | ID:                    | <u>0.32</u> (mm)                    |

| COMPOUND                  | RRF     | RRF010  | MIN<br>RRF | %D     | MAX%D |
|---------------------------|---------|---------|------------|--------|-------|
| Chlorobenzene             | 0.951   | 0.878   |            | -7.68  |       |
| Ethyl Benzene             | 1.765   | 1.636   |            | -7.31  |       |
| m/p-Xylene                | 1.383   | 1.283   |            | -7.23  |       |
| o-Xylene                  | 1.391   | 1.266   |            | -8.99  |       |
| Styrene                   | 0.652   | 0.610   |            | -6.44  |       |
| Bromoform                 | 0.495   | 0.491   |            | -0.81  |       |
| 1,1,2,2-Tetrachloroethane | 0.765   | 0.674   |            | -11.9  |       |
| 2-Chlorotoluene           | 1.579   | 1.418   |            | -10.2  |       |
| 1,3,5-Trimethylbenzene    | 1.434   | 1.293   |            | -9.83  |       |
| 1,2,4-Trimethylbenzene    | 1.574   | 1.394   |            | -11.44 |       |
| 1,3-Dichlorobenzene       | 0.895   | 0.831   |            | -7.15  |       |
| 1,4-Dichlorobenzene       | 0.905   | 0.833   |            | -7.96  |       |
| 1,2-Dichlorobenzene       | 0.876   | 0.781   |            | -10.85 |       |
| 1,2,4-Trichlorobenzene    | 0.717   | 0.661   |            | -7.81  |       |
| Hexachloro-1,3-Butadiene  | 0.718   | 0.572   |            | -20.33 |       |
| 1,3-Butadiene             | 0.600   | 0.500   |            | -16.67 |       |
| Naphthalene               | 1.427   | 1.315   |            | -7.85  |       |
| 4-Ethyltoluene            | 1.687   | 1.563   |            | -7.35  |       |
| 1-Bromo-4-Fluorobenzene   | 0.750   | 0.755   |            | 0.67   |       |
| Hexane                    | 1.478   | 1.392   |            | -5.82  |       |
| Allyl Chloride            | 0.935   | 0.850   |            | -9.09  |       |
| 1,4-Dioxane               | 166.304 | 148.388 |            | -10.77 |       |
| Methyl Methacrylate       | 0.394   | 0.368   |            | -6.6   |       |

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\_L\Data\VL081325\  
 Data File : VL042842.D  
 Acq On : 13 Aug 2025 08:30  
 Operator : SY/MD  
 Sample : VSTDICCC010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDICCC010

Quant Time: Aug 14 01:45:27 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL081325AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Thu Aug 14 01:44:36 2025  
 Response via : Initial Calibration

| Compound                | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|-------|------|----------|--------|-------|----------|
| -----                   |       |      |          |        |       |          |
| Internal Standards      |       |      |          |        |       |          |
| 1) Bromochloromethane   | 2.790 | 49   | 133104   | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 3.965 | 114  | 413632   | 10.000 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 8.888 | 117  | 370372   | 10.000 | ppbv  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 68) 1-Bromo-4-Fluorobenzene | 10.383 | 95    | 279557   | 10.064   | ppbv | 0.00     |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 100.600% |

| Target Compounds              |       |     |        |       |        | Qvalue |
|-------------------------------|-------|-----|--------|-------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.499 | 85  | 178799 | 9.166 | ppbv   | 100    |
| 3) Chlorodifluoromethane      | 1.476 | 51  | 200866 | 9.306 | ppbv   | 100    |
| 4) Chloromethane              | 1.534 | 50  | 70952  | 9.013 | ppbv   | 100    |
| 5) Vinyl Chloride             | 1.583 | 62  | 66768  | 8.612 | ppbv   | 100    |
| 6) Bromomethane               | 1.670 | 94  | 26964  | 8.698 | ppbv   | 100    |
| 7) Chloroethane               | 1.706 | 64  | 26884  | 8.879 | ppbv   | 100    |
| 8) Dichlorotetrafluoroethane  | 1.557 | 85  | 149341 | 9.355 | ppbv   | 100    |
| 9) Propene                    | 1.486 | 41  | 87352  | 9.380 | ppbv   | 100    |
| 10) Heptane                   | 4.988 | 43  | 228679 | 9.186 | ppbv   | 100    |
| 11) Trichlorofluoromethane    | 1.881 | 101 | 169157 | 8.789 | ppbv   | 100    |
| 12) 1,1,2-Trichlorotrifluo... | 2.143 | 101 | 139340 | 9.083 | ppbv   | 100    |
| 13) Ethanol                   | 1.722 | 45  | 6172   | 6.690 | ppbv   | 100    |
| 14) Bromoethene               | 1.784 | 108 | 50730  | 9.135 | ppbv   | 100    |
| 15) Acetone                   | 1.839 | 43  | 126419 | 7.180 | ppbv   | 100    |
| 16) 1,3-Butadiene             | 1.612 | 39  | 66595  | 8.343 | ppbv   | 100    |
| 17) tert-Butyl alcohol        | 2.043 | 59  | 182511 | 8.741 | ppbv   | 100    |
| 18) 1,1-Dichloroethene        | 2.036 | 96  | 62397  | 9.252 | ppbv   | 100    |
| 19) Isopropyl Alcohol         | 1.887 | 45  | 86367  | 8.213 | ppbv   | 100    |
| 20) Methylene Chloride        | 2.065 | 84  | 55107  | 7.471 | ppbv   | 100    |
| 21) Allyl Chloride            | 2.098 | 41  | 113105 | 9.093 | ppbv   | 100    |
| 22) trans-1,2-Dichloroethene  | 2.344 | 96  | 71518  | 9.482 | ppbv   | 100    |
| 23) Vinyl Acetate             | 2.467 | 43  | 221395 | 9.558 | ppbv   | 100    |
| 24) 1,1-Dichloroethane        | 2.412 | 63  | 138444 | 8.885 | ppbv   | 100    |
| 25) Ethyl Acetate             | 2.839 | 43  | 390295 | 9.159 | ppbv   | 100    |
| 26) Hexane                    | 2.829 | 57  | 185288 | 9.420 | ppbv   | 100    |
| 27) Carbon Disulfide          | 2.153 | 76  | 174928 | 9.138 | ppbv   | 100    |
| 28) Methyl tert-Butyl Ether   | 2.444 | 73  | 87929  | 8.767 | ppbv   | 100    |
| 29) Chloroform                | 2.852 | 83  | 257176 | 9.158 | ppbv   | 100    |
| 30) Cyclohexane               | 3.862 | 84  | 161540 | 9.367 | ppbv   | 100    |
| 31) cis-1,2-Dichloroethene    | 2.726 | 61  | 179162 | 9.107 | ppbv   | 100    |
| 32) 1,1,1-Trichloroethane     | 3.373 | 97  | 266021 | 8.946 | ppbv   | 100    |
| 34) 2-Butanone                | 2.560 | 43  | 252300 | 9.033 | ppbv   | 100    |
| 35) Carbon Tetrachloride      | 3.771 | 117 | 262983 | 9.222 | ppbv   | 100    |
| 36) Benzene                   | 3.664 | 78  | 377113 | 9.521 | ppbv   | 100    |
| 37) 1,2-Dichloroethane        | 3.224 | 62  | 199762 | 9.653 | ppbv   | 100    |
| 38) Trichloroethene           | 4.557 | 130 | 164881 | 9.115 | ppbv   | 100    |
| 39) 1,2-Dichloropropane       | 4.324 | 63  | 133996 | 9.263 | ppbv   | 100    |
| 40) 1,4-Dioxane               | 4.590 | 88  | 61378  | 9.064 | ppbv # | 100    |
| 41) Tetrahydrofuran           | 3.059 | 42  | 147025 | 9.442 | ppbv   | 100    |
| 42) Bromodichloromethane      | 4.499 | 83  | 292909 | 9.499 | ppbv   | 100    |
| 43) Methyl Methacrylate       | 4.891 | 69  | 152035 | 9.357 | ppbv   | 100    |
| 44) 2,2,4-Trimethylpentane    | 4.648 | 57  | 626465 | 9.420 | ppbv   | 100    |
| 45) t-1,3-Dichloropropene     | 6.425 | 75  | 177207 | 9.616 | ppbv   | 100    |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL081325\  
 Data File : VL042842.D  
 Acq On : 13 Aug 2025 08:30  
 Operator : SY/MD  
 Sample : VSTDICCC010  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VSTDICCC010

Quant Time: Aug 14 01:45:27 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL081325AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Thu Aug 14 01:44:36 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 46) cis-1,3-Dichloropropene   | 5.609  | 75   | 222921   | 9.635  | ppbv   | 100      |
| 47) 1,1,2-Trichloroethane     | 6.590  | 97   | 141105   | 9.215  | ppbv   | 100      |
| 48) Dibromochloromethane      | 7.396  | 129  | 241553   | 9.739  | ppbv   | 100      |
| 49) Bromoform                 | 9.490  | 173  | 202975   | 9.923  | ppbv   | 100      |
| 50) 4-Methyl-2-Pentanone      | 5.761  | 43   | 364306   | 9.616  | ppbv   | 100      |
| 51) 2-Hexanone                | 7.441  | 43   | 289052   | 9.730  | ppbv # | 100      |
| 52) Tetrachloroethene         | 8.234  | 164  | 129484   | 9.026  | ppbv   | 100      |
| 53) Toluene                   | 6.943  | 91   | 443400   | 9.407  | ppbv   | 100      |
| 54) 1,2-Dibromoethane         | 7.661  | 107  | 209330   | 9.345  | ppbv   | 100      |
| 56) 1,1,1,2-Tetrachloroethane | 8.933  | 131  | 176135   | 9.196  | ppbv   | 100      |
| 57) Chlorobenzene             | 8.930  | 112  | 325303   | 9.237  | ppbv   | 100      |
| 58) Ethyl Benzene             | 9.364  | 91   | 605785   | 9.268  | ppbv   | 100      |
| 59) m/p-Xylene                | 9.542  | 91   | 950548m  | 18.524 | ppbv   |          |
| 60) o-Xylene                  | 9.972  | 91   | 469073   | 9.102  | ppbv   | 100      |
| 61) Styrene                   | 9.879  | 104  | 226056   | 9.362  | ppbv   | 100      |
| 62) Isopropylbenzene          | 10.549 | 105  | 685983   | 9.108  | ppbv   | 100      |
| 63) 1,1,2,2-Tetrachloroethane | 9.972  | 83   | 249621   | 8.870  | ppbv   | 100      |
| 64) n-propylbenzene           | 10.995 | 120  | 175986   | 9.158  | ppbv   | 100      |
| 65) tert-Butylbenzene         | 11.539 | 119  | 594314   | 8.951  | ppbv   | 100      |
| 66) Benzyl Chloride           | 11.620 | 91   | 84156    | 9.985  | ppbv   | 100      |
| 67) sec-Butylbenzene          | 11.772 | 105  | 833378   | 8.943  | ppbv   | 100      |
| 69) p-Isopropyltoluene        | 11.931 | 119  | 705700   | 8.820  | ppbv   | 100      |
| 70) n-Butylbenzene            | 12.287 | 91   | 713713   | 8.995  | ppbv   | 100      |
| 71) 2-Chlorotoluene           | 10.908 | 91   | 525235   | 8.981  | ppbv   | 100      |
| 72) 4-Ethyltoluene            | 11.131 | 105  | 578931   | 9.267  | ppbv   | 100      |
| 73) 1,3,5-Trimethylbenzene    | 11.209 | 105  | 478784   | 9.012  | ppbv   | 100      |
| 74) 1,2,4-Trimethylbenzene    | 11.542 | 105  | 516253   | 8.853  | ppbv   | 100      |
| 75) 1,3-Dichlorobenzene       | 11.613 | 146  | 307640   | 9.280  | ppbv   | 100      |
| 76) 1,4-Dichlorobenzene       | 11.678 | 146  | 308542   | 9.203  | ppbv   | 100      |
| 77) 1,2-Dichlorobenzene       | 11.953 | 146  | 289119   | 8.907  | ppbv   | 100      |
| 78) Hexachloro-1,3-Butadiene  | 13.885 | 225  | 211996   | 7.968  | ppbv   | 100      |
| 79) Naphthalene               | 13.516 | 128  | 487174   | 9.335  | ppbv   | 100      |
| 80) Naphthalene,2-methyl-     | 14.462 | 142  | 176880   | 9.000  | ppbv   | 100      |
| 81) 1,2,4-Trichlorobenzene    | 13.445 | 180  | 244998   | 9.220  | ppbv   | 100      |

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





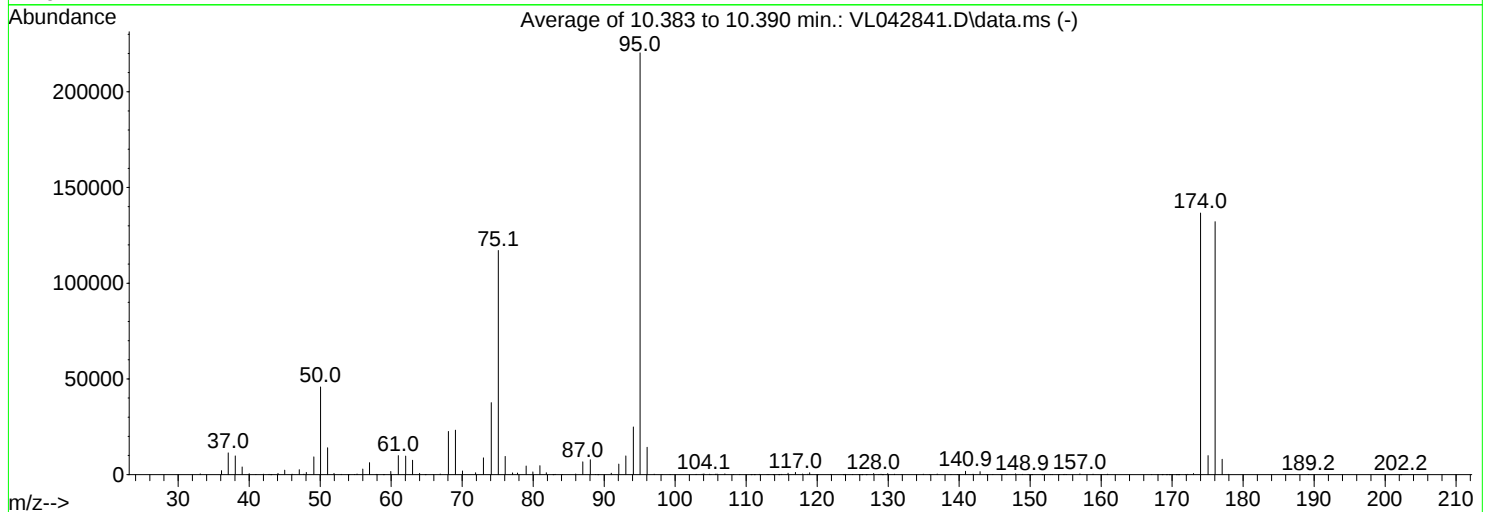
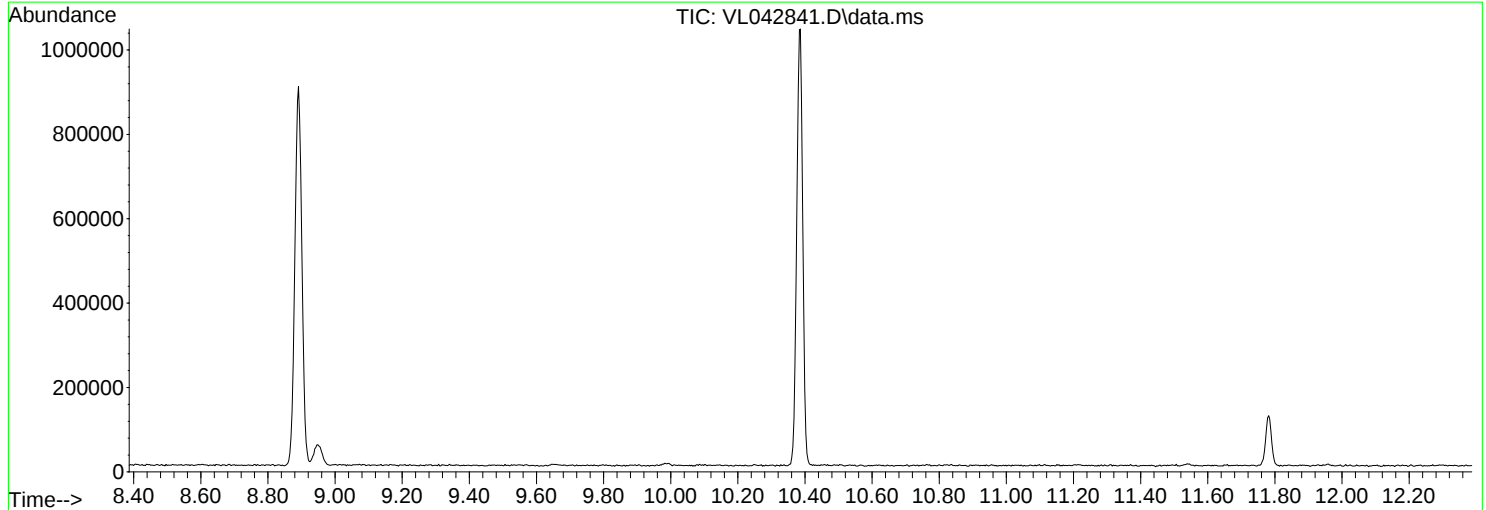
# QC SAMPLE DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL081325\  
Data File : VL042841.D  
Acq On : 13 Aug 2025 07:45  
Operator : SY/MD  
Sample : BFB  
Misc : 400mL/MSVOA\_L  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :  
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL081325AIR.M  
Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
Last Update : Thu Aug 14 02:12:54 2025



AutoFind: Scans 3181, 3182, 3183; Background Corrected with Scan 3165

| 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              | 8               | 40              | 20.8         | 45819      | PASS                |
| 75             | 95              | 30              | 66              | 53.1         | 117101     | PASS                |
| 95             | 95              | 100             | 100             | 100.0        | 220336     | PASS                |
| 96             | 95              | 5               | 9               | 6.5          | 14308      | PASS                |
| 173            | 174             | 0.00            | 2               | 0.4          | 581        | PASS                |
| 174            | 95              | 50              | 120             | 62.0         | 136669     | PASS                |
| 175            | 174             | 4               | 9               | 7.3          | 9984       | PASS                |
| 176            | 174             | 93              | 101             | 96.7         | 132147     | PASS                |
| 177            | 176             | 5               | 9               | 6.1          | 8054       | PASS                |

Average of 10.383 to 10.390 min.: VL042841.D\data.ms

BFB

Modified:subtracted

| m/z   | abund. | m/z   | abund. | m/z   | abund. | m/z   | abund. |
|-------|--------|-------|--------|-------|--------|-------|--------|
| 33.10 | 435    | 45.00 | 2327   | 54.85 | 120    | 64.00 | 681    |
| 36.10 | 2065   | 46.05 | 279    | 55.20 | 357    | 64.80 | 30     |
| 37.05 | 11354  | 47.05 | 2620   | 56.00 | 2948   | 65.95 | 9      |
| 38.05 | 9819   | 47.70 | 280    | 56.95 | 6253   | 66.90 | 32     |
| 39.00 | 4004   | 48.05 | 1145   | 57.90 | 171    | 68.05 | 22548  |
| 40.00 | 533    | 49.10 | 9251   | 58.10 | 91     | 69.05 | 23213  |
| 40.95 | 49     | 50.05 | 45819  | 58.90 | 22     | 70.05 | 1937   |
| 42.00 | 227    | 51.05 | 14036  | 59.95 | 1687   | 71.90 | 1041   |
| 42.80 | 161    | 51.95 | 671    | 61.00 | 9948   | 73.00 | 8793   |
| 43.05 | 39     | 52.95 | 188    | 62.05 | 9678   | 74.10 | 37600  |
| 44.05 | 666    | 53.95 | 37     | 63.00 | 7566   | 75.10 | 117101 |

Average of 10.383 to 10.390 min.: VL042841.D\data.ms

BFB

Modified:subtracted

| m/z   | abund. | m/z   | abund. | m/z    | abund. | m/z    | abund. |
|-------|--------|-------|--------|--------|--------|--------|--------|
| 76.05 | 9555   | 87.00 | 6682   | 98.15  | 54     | 109.10 | 102    |
| 77.10 | 918    | 88.05 | 7760   | 99.30  | 64     | 110.70 | 18     |
| 77.80 | 815    | 88.80 | 77     | 102.95 | 130    | 111.15 | 1      |
| 79.00 | 4555   | 89.10 | 20     | 103.80 | 231    | 111.85 | 129    |
| 79.95 | 1463   | 91.00 | 725    | 104.05 | 430    | 112.95 | 69     |
| 80.95 | 4661   | 92.05 | 5511   | 104.85 | 224    | 113.20 | 121    |
| 81.85 | 1009   | 93.05 | 9746   | 105.05 | 89     | 113.80 | 17     |
| 82.80 | 45     | 94.10 | 24915  | 105.70 | 222    | 114.60 | 40     |
| 83.10 | 154    | 95.05 | 220336 | 105.90 | 378    | 115.00 | 164    |
| 84.10 | 59     | 96.05 | 14308  | 107.00 | 405    | 115.90 | 792    |
| 86.00 | 343    | 97.05 | 232    | 108.25 | 56     | 116.95 | 1160   |

Average of 10.383 to 10.390 min.: VL042841.D\data.ms

BFB

Modified:subtracted

| m/z    | abund. | m/z    | abund. | m/z    | abund. | m/z    | abund. |
|--------|--------|--------|--------|--------|--------|--------|--------|
| 117.95 | 357    | 127.95 | 629    | 138.85 | 68     | 147.95 | 426    |
| 118.70 | 248    | 128.70 | 103    | 139.80 | 86     | 148.90 | 159    |
| 118.95 | 989    | 129.00 | 282    | 140.05 | 107    | 149.70 | 172    |
| 120.00 | 35     | 129.20 | 46     | 140.90 | 1771   | 149.90 | 92     |
| 121.95 | 196    | 129.95 | 557    | 141.95 | 222    | 150.20 | 25     |
| 123.70 | 34     | 130.90 | 241    | 142.95 | 1603   | 151.70 | 42     |
| 124.00 | 187    | 131.95 | 49     | 143.90 | 46     | 152.10 | 65     |
| 125.00 | 93     | 134.00 | 75     | 144.75 | 112    | 152.90 | 115    |
| 125.90 | 42     | 134.95 | 263    | 145.80 | 52     | 153.10 | 90     |
| 126.30 | 20     | 135.85 | 80     | 146.05 | 101    | 154.10 | 102    |
| 126.90 | 38     | 136.90 | 300    | 146.70 | 83     | 154.70 | 65     |

Average of 10.383 to 10.390 min.: VL042841.D\data.ms

BFB

Modified:subtracted

| m/z    | abund. | m/z    | abund. | m/z    | abund. | m/z | abund. |
|--------|--------|--------|--------|--------|--------|-----|--------|
| 154.90 | 185    | 170.60 | 19     | 189.20 | 100    |     |        |
| 155.10 | 115    | 170.90 | 27     | 202.20 | 25     |     |        |
| 157.00 | 453    | 171.05 | 82     |        |        |     |        |
| 158.85 | 271    | 171.90 | 66     |        |        |     |        |
| 160.90 | 247    | 172.20 | 170    |        |        |     |        |
| 167.10 | 83     | 173.00 | 581    |        |        |     |        |
| 168.00 | 69     | 174.00 | 136669 |        |        |     |        |
| 168.60 | 43     | 175.05 | 9984   |        |        |     |        |
| 169.20 | 47     | 176.05 | 132147 |        |        |     |        |
| 169.60 | 20     | 177.05 | 8054   |        |        |     |        |
| 170.05 | 75     | 177.95 | 182    |        |        |     |        |

## Report of Analysis

|                    |                             |                 |       |
|--------------------|-----------------------------|-----------------|-------|
| Client:            | GFE LLC                     | Date Collected: |       |
| Project:           | 233 FLORIDA ST ELIZABETH NJ | Date Received:  |       |
| Client Sample ID:  | VL0813ABL01                 | SDG No.:        | Q2794 |
| Lab Sample ID:     | VL0813ABL01                 | Matrix:         | Air   |
| Analytical Method: | TO-15                       | Test:           | TO-15 |
| Sample Wt/Vol:     | 400                         | Units:          | mL    |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VL042850.D        | 1         |           | 08/13/25 13:46 | VL081325      |

| CAS Number     | Parameter                      | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | MDL   | LOQ / CRQL | Units |
|----------------|--------------------------------|---------------|----------------|-----------|-------|------------|-------|
| <b>TARGETS</b> |                                |               |                |           |       |            |       |
| 75-71-8        | Dichlorodifluoromethane        | 0.11          | 0.54           | U         | 0.54  | 2.47       | ug/m3 |
| 74-87-3        | Chloromethane                  | 0.10          | 0.21           | U         | 0.21  | 1.03       | ug/m3 |
| 75-01-4        | Vinyl Chloride                 | 0.030         | 0.080          | U         | 0.080 | 0.080      | ug/m3 |
| 74-83-9        | Bromomethane                   | 0.080         | 0.31           | U         | 0.31  | 1.94       | ug/m3 |
| 75-00-3        | Chloroethane                   | 0.15          | 0.40           | U         | 0.40  | 1.32       | ug/m3 |
| 109-99-9       | Tetrahydrofuran                | 0.080         | 0.24           | U         | 0.24  | 1.47       | ug/m3 |
| 75-69-4        | Trichlorofluoromethane         | 0.17          | 0.96           | U         | 0.96  | 2.81       | ug/m3 |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 0.14          | 1.07           | U         | 1.07  | 3.83       | ug/m3 |
| 76-14-2        | Dichlorotetrafluoroethane      | 0.15          | 1.05           | U         | 1.05  | 3.49       | ug/m3 |
| 75-65-0        | tert-Butyl alcohol             | 0.16          | 0.49           | U         | 0.49  | 1.52       | ug/m3 |
| 142-82-5       | Heptane                        | 0.17          | 0.70           | U         | 0.70  | 2.05       | ug/m3 |
| 75-35-4        | 1,1-Dichloroethene             | 0.15          | 0.59           | U         | 0.59  | 1.98       | ug/m3 |
| 67-64-1        | Acetone                        | 0.18          | 0.43           | U         | 0.43  | 1.19       | ug/m3 |
| 75-15-0        | Carbon Disulfide               | 0.080         | 0.25           | U         | 0.25  | 1.56       | ug/m3 |
| 1634-04-4      | Methyl tert-Butyl Ether        | 0.23          | 0.83           | U         | 0.83  | 1.80       | ug/m3 |
| 75-09-2        | Methylene Chloride             | 0.23          | 0.80           | U         | 0.80  | 1.74       | ug/m3 |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.12          | 0.48           | U         | 0.48  | 1.98       | ug/m3 |
| 75-34-3        | 1,1-Dichloroethane             | 0.13          | 0.53           | U         | 0.53  | 2.02       | ug/m3 |
| 110-82-7       | Cyclohexane                    | 0.22          | 0.76           | U         | 0.76  | 1.72       | ug/m3 |
| 78-93-3        | 2-Butanone                     | 0.060         | 0.18           | U         | 0.18  | 1.47       | ug/m3 |
| 56-23-5        | Carbon Tetrachloride           | 0.030         | 0.19           | U         | 0.19  | 0.19       | ug/m3 |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.10          | 0.40           | U         | 0.40  | 1.98       | ug/m3 |
| 67-66-3        | Chloroform                     | 0.10          | 0.49           | U         | 0.49  | 2.44       | ug/m3 |
| 71-55-6        | 1,1,1-Trichloroethane          | 0.020         | 0.11           | U         | 0.11  | 0.16       | ug/m3 |
| 540-84-1       | 2,2,4-Trimethylpentane         | 0.14          | 0.65           | U         | 0.65  | 2.34       | ug/m3 |
| 71-43-2        | Benzene                        | 0.080         | 0.26           | U         | 0.26  | 1.60       | ug/m3 |
| 107-06-2       | 1,2-Dichloroethane             | 0.090         | 0.36           | U         | 0.36  | 2.02       | ug/m3 |
| 79-01-6        | Trichloroethene                | 0.020         | 0.11           | U         | 0.11  | 0.16       | ug/m3 |
| 78-87-5        | 1,2-Dichloropropane            | 0.13          | 0.60           | U         | 0.60  | 2.31       | ug/m3 |
| 75-27-4        | Bromodichloromethane           | 0.060         | 0.40           | U         | 0.40  | 3.35       | ug/m3 |
| 108-10-1       | 4-Methyl-2-Pentanone           | 0.10          | 0.41           | U         | 0.41  | 2.05       | ug/m3 |
| 108-88-3       | Toluene                        | 0.16          | 0.60           | U         | 0.60  | 1.88       | ug/m3 |
| 10061-02-6     | t-1,3-Dichloropropene          | 0.15          | 0.68           | U         | 0.68  | 2.27       | ug/m3 |
| 10061-01-5     | cis-1,3-Dichloropropene        | 0.11          | 0.50           | U         | 0.50  | 2.27       | ug/m3 |
| 79-00-5        | 1,1,2-Trichloroethane          | 0.080         | 0.44           | U         | 0.44  | 2.73       | ug/m3 |

## Report of Analysis

|                    |                             |                 |       |
|--------------------|-----------------------------|-----------------|-------|
| Client:            | GFE LLC                     | Date Collected: |       |
| Project:           | 233 FLORIDA ST ELIZABETH NJ | Date Received:  |       |
| Client Sample ID:  | VL0813ABL01                 | SDG No.:        | Q2794 |
| Lab Sample ID:     | VL0813ABL01                 | Matrix:         | Air   |
| Analytical Method: | TO-15                       | Test:           | TO-15 |
| Sample Wt/Vol:     | 400                         | Units:          | mL    |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VL042850.D        | 1         |           | 08/13/25 13:46 | VL081325      |

| CAS Number                | Parameter                 | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | MDL      | LOQ / CRQL | Units   |
|---------------------------|---------------------------|---------------|----------------|-----------|----------|------------|---------|
| 124-48-1                  | Dibromochloromethane      | 0.090         | 0.77           | U         | 0.77     | 4.26       | ug/m3   |
| 106-93-4                  | 1,2-Dibromoethane         | 0.090         | 0.69           | U         | 0.69     | 0.77       | ug/m3   |
| 127-18-4                  | Tetrachloroethene         | 0.020         | 0.14           | U         | 0.14     | 0.20       | ug/m3   |
| 108-90-7                  | Chlorobenzene             | 0.080         | 0.37           | U         | 0.37     | 2.30       | ug/m3   |
| 100-41-4                  | Ethyl Benzene             | 0.19          | 0.83           | U         | 0.83     | 2.17       | ug/m3   |
| 179601-23-1               | m/p-Xylene                | 0.41          | 1.78           | U         | 1.78     | 4.34       | ug/m3   |
| 95-47-6                   | o-Xylene                  | 0.21          | 0.91           | U         | 0.91     | 2.17       | ug/m3   |
| 100-42-5                  | Styrene                   | 0.16          | 0.68           | U         | 0.68     | 2.13       | ug/m3   |
| 75-25-2                   | Bromoform                 | 0.050         | 0.52           | U         | 0.52     | 5.17       | ug/m3   |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane | 0.020         | 0.14           | U         | 0.14     | 0.21       | ug/m3   |
| 95-49-8                   | 2-Chlorotoluene           | 0.17          | 0.88           | U         | 0.88     | 2.59       | ug/m3   |
| 108-67-8                  | 1,3,5-Trimethylbenzene    | 0.18          | 0.88           | U         | 0.88     | 2.46       | ug/m3   |
| 95-63-6                   | 1,2,4-Trimethylbenzene    | 0.18          | 0.88           | U         | 0.88     | 2.46       | ug/m3   |
| 541-73-1                  | 1,3-Dichlorobenzene       | 0.050         | 0.30           | U         | 0.30     | 3.01       | ug/m3   |
| 106-46-7                  | 1,4-Dichlorobenzene       | 0.13          | 0.78           | U         | 0.78     | 3.01       | ug/m3   |
| 95-50-1                   | 1,2-Dichlorobenzene       | 0.13          | 0.78           | U         | 0.78     | 3.01       | ug/m3   |
| 120-82-1                  | 1,2,4-Trichlorobenzene    | 0.21          | 1.56           | U         | 1.56     | 3.71       | ug/m3   |
| 87-68-3                   | Hexachloro-1,3-Butadiene  | 0.13          | 1.39           | U         | 1.39     | 5.33       | ug/m3   |
| 106-99-0                  | 1,3-Butadiene             | 0.050         | 0.11           | U         | 0.11     | 1.11       | ug/m3   |
| 91-20-3                   | Naphthalene               | 0.010         | 0.050          | U         | 0.050    | 0.52       | ug/m3   |
| 622-96-8                  | 4-Ethyltoluene            | 0.21          | 1.03           | U         | 1.03     | 2.46       | ug/m3   |
| 110-54-3                  | Hexane                    | 0.16          | 0.56           | U         | 0.56     | 1.76       | ug/m3   |
| 107-05-1                  | Allyl Chloride            | 0.11          | 0.34           | U         | 0.34     | 1.57       | ug/m3   |
| 123-91-1                  | 1,4-Dioxane               | 0.22          | 0.79           | U         | 0.79     | 1.80       | ug/m3   |
| 80-62-6                   | Methyl Methacrylate       | 0.14          | 0.57           | U         | 0.57     | 2.05       | ug/m3   |
| <b>SURROGATES</b>         |                           |               |                |           |          |            |         |
| 460-00-4                  | 1-Bromo-4-Fluorobenzene   | 10.0          |                |           | 65 - 135 | 100%       | SPK: 10 |
| <b>INTERNAL STANDARDS</b> |                           |               |                |           |          |            |         |
| 74-97-5                   | Bromochloromethane        | 120000        |                | 2.793     |          |            |         |
| 540-36-3                  | 1,4-Difluorobenzene       | 373000        |                | 3.968     |          |            |         |
| 3114-55-4                 | Chlorobenzene-d5          | 325000        |                | 8.891     |          |            |         |

## Report of Analysis

|                    |                             |                 |       |
|--------------------|-----------------------------|-----------------|-------|
| Client:            | GFE LLC                     | Date Collected: |       |
| Project:           | 233 FLORIDA ST ELIZABETH NJ | Date Received:  |       |
| Client Sample ID:  | VL0813ABL01                 | SDG No.:        | Q2794 |
| Lab Sample ID:     | VL0813ABL01                 | Matrix:         | Air   |
| Analytical Method: | TO-15                       | Test:           | TO-15 |
| Sample Wt/Vol:     | 400                         | Units:          | mL    |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VL042850.D        | 1         |           | 08/13/25 13:46 | VL081325      |

| CAS Number | Parameter | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | MDL | LOQ / CRQL | Units |
|------------|-----------|---------------|----------------|-----------|-----|------------|-------|
|------------|-----------|---------------|----------------|-----------|-----|------------|-------|

U = Not Detected  
 RL = Reporting Limit  
 MDL = Method Detection Limit  
 E = Value Exceeds Calibration Range  
 D = Dilution

J = Estimated Value  
 B = Analyte Found in Associated Method Blank  
 N = Presumptive Evidence of a Compound  
 \* = Values outside of QC limits  
 Q = indicates LCS control criteria did not meet requirements

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL081325\  
 Data File : VL042850.D  
 Acq On : 13 Aug 2025 13:46  
 Operator : SY/MD  
 Sample : VL0813ABL01  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0813ABL01

Quant Time: Aug 14 02:17:01 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL081325AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Thu Aug 14 02:12:54 2025  
 Response via : Initial Calibration

| Compound                | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|-------|------|----------|--------|-------|----------|
| -----                   |       |      |          |        |       |          |
| Internal Standards      |       |      |          |        |       |          |
| 1) Bromochloromethane   | 2.793 | 49   | 119946   | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 3.968 | 114  | 373094   | 10.000 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 8.891 | 117  | 324853   | 10.000 | ppbv  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 68) 1-Bromo-4-Fluorobenzene | 10.387 | 95    | 243776   | 10.006   | ppbv | 0.00     |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 100.100% |

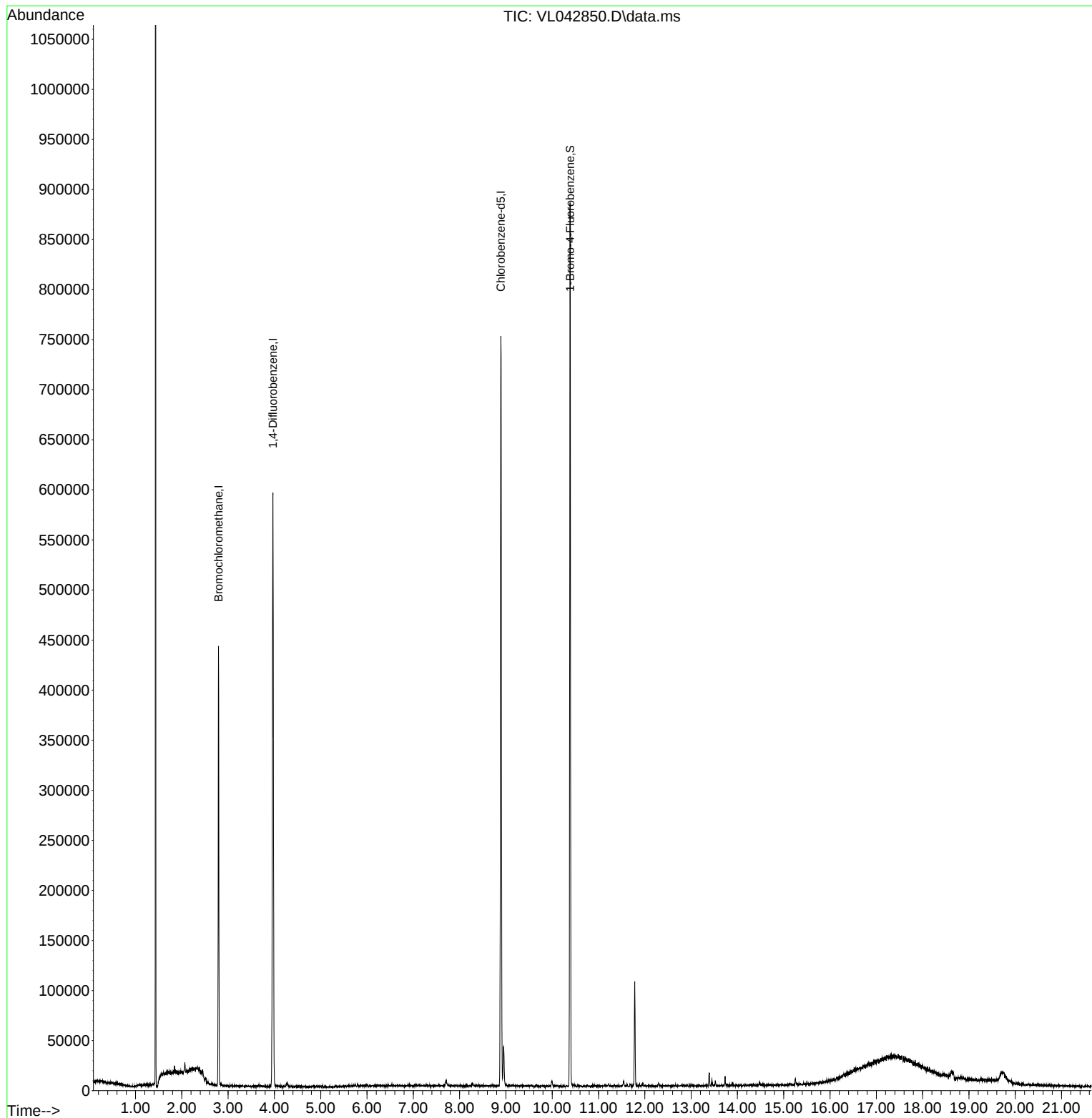
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

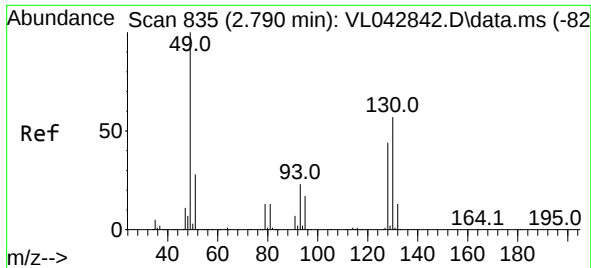
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL081325\  
Data File : VL042850.D  
Acq On : 13 Aug 2025 13:46  
Operator : SY/MD  
Sample : VL0813ABL01  
Misc : 400mL/MSVOA\_L  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0813ABL01

Quant Time: Aug 14 02:17:01 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL081325AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
QLast Update : Thu Aug 14 02:12:54 2025  
Response via : Initial Calibration





#1

Bromochloromethane

Concen: 10.000 ppbv

RT: 2.793 min Scan# 81

Delta R.T. 0.003 min

Lab File: VL042850.D

Acq: 13 Aug 2025 13:46

Instrument :

MSVOA\_1

ClientSampleId :

VL0813ABL01

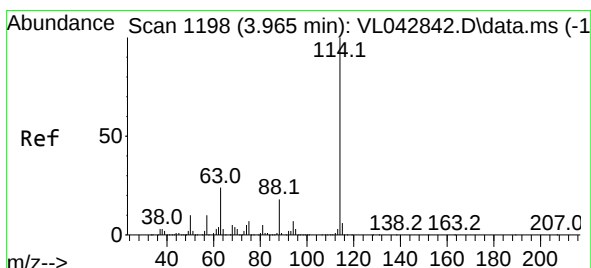
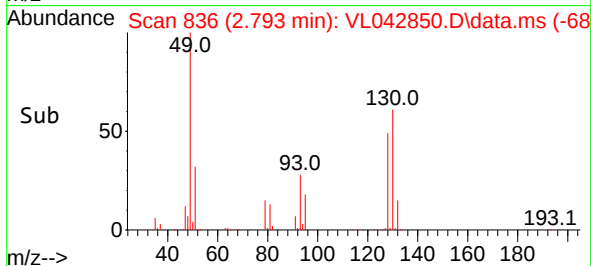
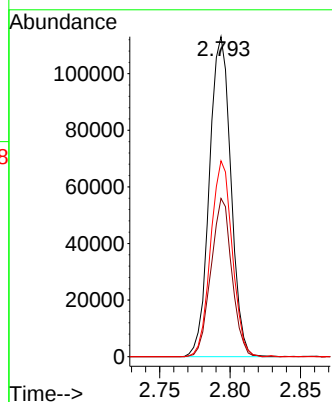
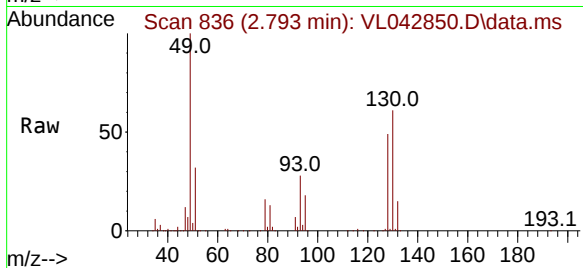
Tgt Ion: 49 Resp: 119946

Ion Ratio Lower Upper

49 100

128 48.0 23.7 71.1

130 61.5 30.6 91.6



#33

1,4-Difluorobenzene

Concen: 10.000 ppbv

RT: 3.968 min Scan# 1199

Delta R.T. 0.003 min

Lab File: VL042850.D

Acq: 13 Aug 2025 13:46

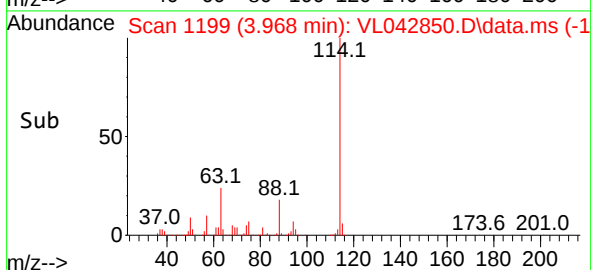
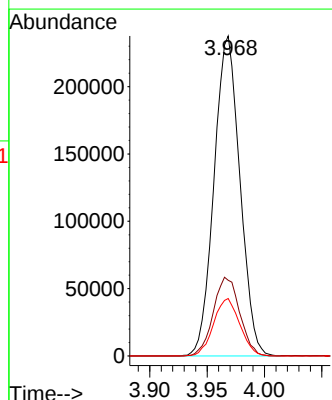
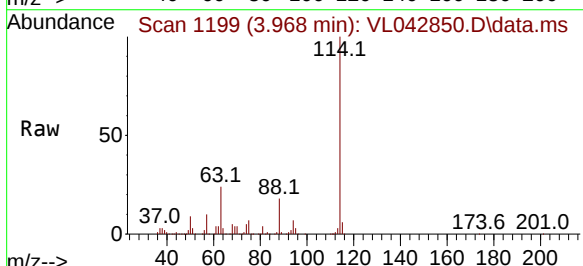
Tgt Ion: 114 Resp: 373094

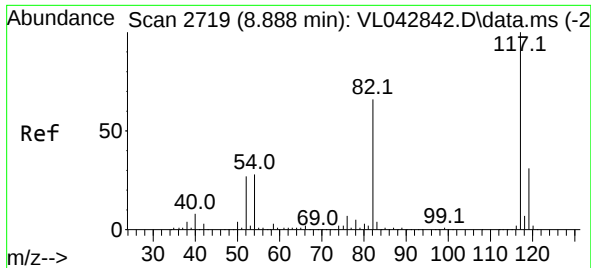
Ion Ratio Lower Upper

114 100

63 25.1 19.7 29.5

88 18.2 14.4 21.6

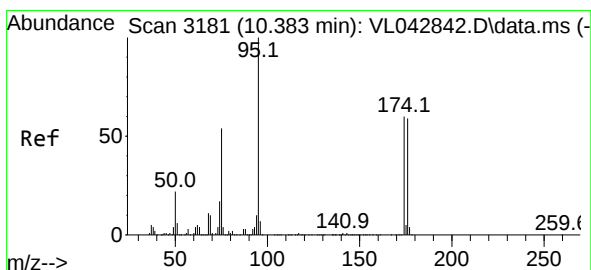
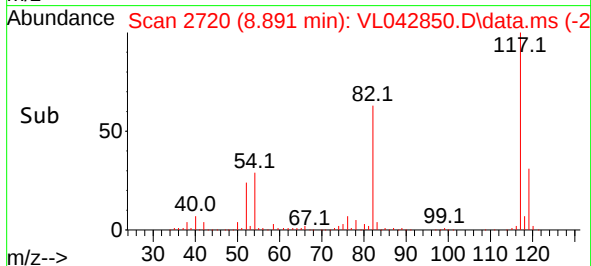
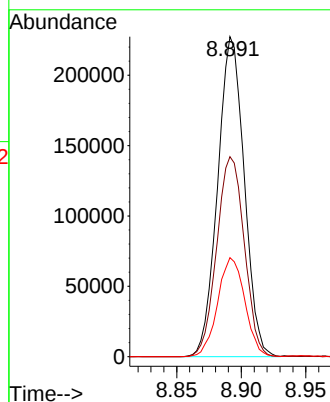
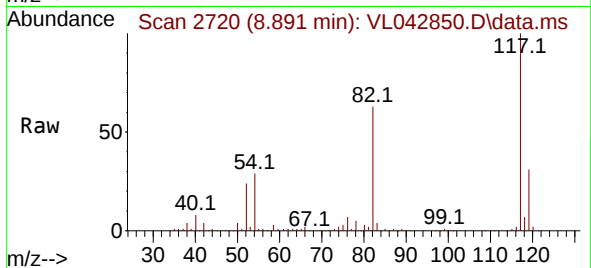




#55  
Chlorobenzene-d5  
Concen: 10.000 ppbv  
RT: 8.891 min Scan# 21  
Delta R.T. 0.003 min  
Lab File: VL042850.D  
Acq: 13 Aug 2025 13:46

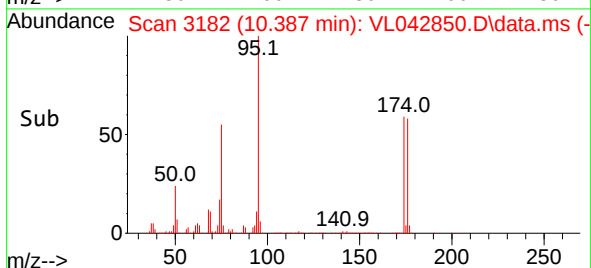
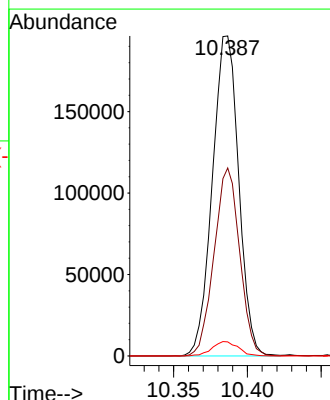
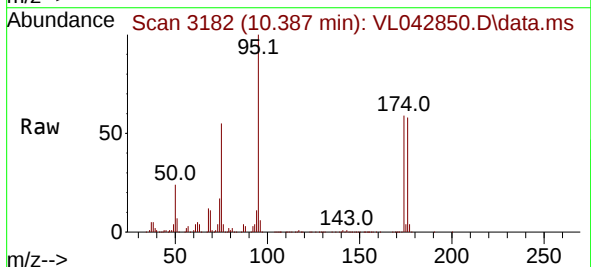
Instrument :  
MSVOA\_L  
ClientSampleId :  
VL0813ABL01

Tgt Ion:117 Resp: 324853  
Ion Ratio Lower Upper  
117 100  
82 64.9 54.6 81.8  
119 31.9 25.9 38.9



#68  
1-Bromo-4-Fluorobenzene  
Concen: 10.006 ppbv  
RT: 10.387 min Scan# 3182  
Delta R.T. 0.003 min  
Lab File: VL042850.D  
Acq: 13 Aug 2025 13:46

Tgt Ion: 95 Resp: 243776  
Ion Ratio Lower Upper  
95 100  
174 57.2 48.4 72.6  
175 4.5 3.8 5.8



## Report of Analysis

|                    |                             |                 |       |
|--------------------|-----------------------------|-----------------|-------|
| Client:            | GFE LLC                     | Date Collected: |       |
| Project:           | 233 FLORIDA ST ELIZABETH NJ | Date Received:  |       |
| Client Sample ID:  | VL0813ABS01                 | SDG No.:        | Q2794 |
| Lab Sample ID:     | VL0813ABS01                 | Matrix:         | Air   |
| Analytical Method: | TO-15                       | Test:           | TO-15 |
| Sample Wt/Vol:     | 400                         | Units:          | mL    |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VL042851.D        | 1         |           | 08/13/25 14:32 | VL081325      |

| CAS Number     | Parameter                      | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | MDL   | LOQ / CRQL | Units |
|----------------|--------------------------------|---------------|----------------|-----------|-------|------------|-------|
| <b>TARGETS</b> |                                |               |                |           |       |            |       |
| 75-71-8        | Dichlorodifluoromethane        | 9.30          | 46.0           |           | 0.54  | 2.47       | ug/m3 |
| 74-87-3        | Chloromethane                  | 9.00          | 18.6           |           | 0.21  | 1.03       | ug/m3 |
| 75-01-4        | Vinyl Chloride                 | 8.70          | 22.2           |           | 0.080 | 0.080      | ug/m3 |
| 74-83-9        | Bromomethane                   | 8.50          | 33.0           |           | 0.31  | 1.94       | ug/m3 |
| 75-00-3        | Chloroethane                   | 8.90          | 23.5           |           | 0.40  | 1.32       | ug/m3 |
| 109-99-9       | Tetrahydrofuran                | 9.20          | 27.1           |           | 0.24  | 1.47       | ug/m3 |
| 75-69-4        | Trichlorofluoromethane         | 9.10          | 51.1           |           | 0.96  | 2.81       | ug/m3 |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 9.20          | 70.5           |           | 1.07  | 3.83       | ug/m3 |
| 76-14-2        | Dichlorotetrafluoroethane      | 9.50          | 66.4           |           | 1.05  | 3.49       | ug/m3 |
| 75-65-0        | tert-Butyl alcohol             | 8.70          | 26.4           |           | 0.49  | 1.52       | ug/m3 |
| 142-82-5       | Heptane                        | 9.10          | 37.3           |           | 0.70  | 2.05       | ug/m3 |
| 75-35-4        | 1,1-Dichloroethene             | 9.40          | 37.3           |           | 0.59  | 1.98       | ug/m3 |
| 67-64-1        | Acetone                        | 7.40          | 17.6           |           | 0.43  | 1.19       | ug/m3 |
| 75-15-0        | Carbon Disulfide               | 9.10          | 28.3           |           | 0.25  | 1.56       | ug/m3 |
| 1634-04-4      | Methyl tert-Butyl Ether        | 9.60          | 34.6           |           | 0.83  | 1.80       | ug/m3 |
| 75-09-2        | Methylene Chloride             | 7.40          | 25.7           |           | 0.80  | 1.74       | ug/m3 |
| 156-60-5       | trans-1,2-Dichloroethene       | 9.10          | 36.1           |           | 0.48  | 1.98       | ug/m3 |
| 75-34-3        | 1,1-Dichloroethane             | 9.00          | 36.4           |           | 0.53  | 2.02       | ug/m3 |
| 110-82-7       | Cyclohexane                    | 9.30          | 32.0           |           | 0.76  | 1.72       | ug/m3 |
| 78-93-3        | 2-Butanone                     | 9.00          | 26.5           |           | 0.18  | 1.47       | ug/m3 |
| 56-23-5        | Carbon Tetrachloride           | 9.30          | 58.5           |           | 0.19  | 0.19       | ug/m3 |
| 156-59-2       | cis-1,2-Dichloroethene         | 9.20          | 36.5           |           | 0.40  | 1.98       | ug/m3 |
| 67-66-3        | Chloroform                     | 9.50          | 46.4           |           | 0.49  | 2.44       | ug/m3 |
| 71-55-6        | 1,1,1-Trichloroethane          | 9.40          | 51.3           |           | 0.11  | 0.16       | ug/m3 |
| 540-84-1       | 2,2,4-Trimethylpentane         | 9.00          | 42.0           |           | 0.65  | 2.34       | ug/m3 |
| 71-43-2        | Benzene                        | 9.40          | 30.0           |           | 0.26  | 1.60       | ug/m3 |
| 107-06-2       | 1,2-Dichloroethane             | 9.90          | 40.1           |           | 0.36  | 2.02       | ug/m3 |
| 79-01-6        | Trichloroethene                | 8.90          | 47.8           |           | 0.11  | 0.16       | ug/m3 |
| 78-87-5        | 1,2-Dichloropropane            | 9.30          | 43.0           |           | 0.60  | 2.31       | ug/m3 |
| 75-27-4        | Bromodichloromethane           | 9.50          | 63.6           |           | 0.40  | 3.35       | ug/m3 |
| 108-10-1       | 4-Methyl-2-Pentanone           | 9.30          | 38.1           |           | 0.41  | 2.05       | ug/m3 |
| 108-88-3       | Toluene                        | 9.20          | 34.7           |           | 0.60  | 1.88       | ug/m3 |
| 10061-02-6     | t-1,3-Dichloropropene          | 9.30          | 42.2           |           | 0.68  | 2.27       | ug/m3 |
| 10061-01-5     | cis-1,3-Dichloropropene        | 9.30          | 42.2           |           | 0.50  | 2.27       | ug/m3 |
| 79-00-5        | 1,1,2-Trichloroethane          | 9.40          | 51.3           |           | 0.44  | 2.73       | ug/m3 |

## Report of Analysis

|                    |                             |                 |       |
|--------------------|-----------------------------|-----------------|-------|
| Client:            | GFE LLC                     | Date Collected: |       |
| Project:           | 233 FLORIDA ST ELIZABETH NJ | Date Received:  |       |
| Client Sample ID:  | VL0813ABS01                 | SDG No.:        | Q2794 |
| Lab Sample ID:     | VL0813ABS01                 | Matrix:         | Air   |
| Analytical Method: | TO-15                       | Test:           | TO-15 |
| Sample Wt/Vol:     | 400                         | Units:          | mL    |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VL042851.D        | 1         |           | 08/13/25 14:32 | VL081325      |

| CAS Number                | Parameter                 | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | MDL      | LOQ / CRQL | Units   |
|---------------------------|---------------------------|---------------|----------------|-----------|----------|------------|---------|
| 124-48-1                  | Dibromochloromethane      | 9.40          | 80.1           |           | 0.77     | 4.26       | ug/m3   |
| 106-93-4                  | 1,2-Dibromoethane         | 9.30          | 71.5           |           | 0.69     | 0.77       | ug/m3   |
| 127-18-4                  | Tetrachloroethene         | 8.40          | 57.0           |           | 0.14     | 0.20       | ug/m3   |
| 108-90-7                  | Chlorobenzene             | 9.30          | 42.8           |           | 0.37     | 2.30       | ug/m3   |
| 100-41-4                  | Ethyl Benzene             | 9.40          | 40.8           |           | 0.83     | 2.17       | ug/m3   |
| 179601-23-1               | m/p-Xylene                | 18.8          | 81.7           |           | 1.78     | 4.34       | ug/m3   |
| 95-47-6                   | o-Xylene                  | 9.30          | 40.4           |           | 0.91     | 2.17       | ug/m3   |
| 100-42-5                  | Styrene                   | 9.40          | 40.0           |           | 0.68     | 2.13       | ug/m3   |
| 75-25-2                   | Bromoform                 | 9.20          | 95.1           |           | 0.52     | 5.17       | ug/m3   |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane | 9.00          | 61.8           |           | 0.14     | 0.21       | ug/m3   |
| 95-49-8                   | 2-Chlorotoluene           | 9.20          | 47.6           |           | 0.88     | 2.59       | ug/m3   |
| 108-67-8                  | 1,3,5-Trimethylbenzene    | 9.20          | 45.2           |           | 0.88     | 2.46       | ug/m3   |
| 95-63-6                   | 1,2,4-Trimethylbenzene    | 9.00          | 44.3           |           | 0.88     | 2.46       | ug/m3   |
| 541-73-1                  | 1,3-Dichlorobenzene       | 9.00          | 54.1           |           | 0.30     | 3.01       | ug/m3   |
| 106-46-7                  | 1,4-Dichlorobenzene       | 9.00          | 54.1           |           | 0.78     | 3.01       | ug/m3   |
| 95-50-1                   | 1,2-Dichlorobenzene       | 8.90          | 53.5           |           | 0.78     | 3.01       | ug/m3   |
| 120-82-1                  | 1,2,4-Trichlorobenzene    | 8.80          | 65.3           |           | 1.56     | 3.71       | ug/m3   |
| 87-68-3                   | Hexachloro-1,3-Butadiene  | 7.50          | 80.0           |           | 1.39     | 5.33       | ug/m3   |
| 106-99-0                  | 1,3-Butadiene             | 8.40          | 18.6           |           | 0.11     | 1.11       | ug/m3   |
| 91-20-3                   | Naphthalene               | 8.90          | 46.6           |           | 0.050    | 0.52       | ug/m3   |
| 622-96-8                  | 4-Ethyltoluene            | 9.30          | 45.7           |           | 1.03     | 2.46       | ug/m3   |
| 110-54-3                  | Hexane                    | 9.20          | 32.4           |           | 0.56     | 1.76       | ug/m3   |
| 107-05-1                  | Allyl Chloride            | 8.90          | 27.9           |           | 0.34     | 1.57       | ug/m3   |
| 123-91-1                  | 1,4-Dioxane               | 8.80          | 31.7           |           | 0.79     | 1.80       | ug/m3   |
| 80-62-6                   | Methyl Methacrylate       | 9.00          | 36.9           |           | 0.57     | 2.05       | ug/m3   |
| <b>SURROGATES</b>         |                           |               |                |           |          |            |         |
| 460-00-4                  | 1-Bromo-4-Fluorobenzene   | 10.1          |                |           | 65 - 135 | 101%       | SPK: 10 |
| <b>INTERNAL STANDARDS</b> |                           |               |                |           |          |            |         |
| 74-97-5                   | Bromochloromethane        | 117000        |                |           | 2.793    |            |         |
| 540-36-3                  | 1,4-Difluorobenzene       | 368000        |                |           | 3.968    |            |         |
| 3114-55-4                 | Chlorobenzene-d5          | 322000        |                |           | 8.895    |            |         |

## Report of Analysis

|                    |                             |                 |       |
|--------------------|-----------------------------|-----------------|-------|
| Client:            | GFE LLC                     | Date Collected: |       |
| Project:           | 233 FLORIDA ST ELIZABETH NJ | Date Received:  |       |
| Client Sample ID:  | VL0813ABS01                 | SDG No.:        | Q2794 |
| Lab Sample ID:     | VL0813ABS01                 | Matrix:         | Air   |
| Analytical Method: | TO-15                       | Test:           | TO-15 |
| Sample Wt/Vol:     | 400                         | Units:          | mL    |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VL042851.D        | 1         |           | 08/13/25 14:32 | VL081325      |

| CAS Number | Parameter | Conc.<br>ppbv | Conc.<br>ug/M3 | Qualifier | MDL | LOQ / CRQL | Units |
|------------|-----------|---------------|----------------|-----------|-----|------------|-------|
|------------|-----------|---------------|----------------|-----------|-----|------------|-------|

U = Not Detected  
 RL = Reporting Limit  
 MDL = Method Detection Limit  
 E = Value Exceeds Calibration Range  
 D = Dilution

J = Estimated Value  
 B = Analyte Found in Associated Method Blank  
 N = Presumptive Evidence of a Compound  
 \* = Values outside of QC limits  
 Q = indicates LCS control criteria did not meet requirements

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL081325\  
 Data File : VL042851.D  
 Acq On : 13 Aug 2025 14:32  
 Operator : SY/MD  
 Sample : VL0813ABS01  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0813ABS01

Quant Time: Aug 14 02:17:24 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL081325AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Thu Aug 14 02:12:54 2025  
 Response via : Initial Calibration

| Compound                | R.T.  | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------|-------|------|----------|--------|-------|----------|
| -----                   |       |      |          |        |       |          |
| Internal Standards      |       |      |          |        |       |          |
| 1) Bromochloromethane   | 2.793 | 49   | 116881   | 10.000 | ppbv  | 0.00     |
| 33) 1,4-Difluorobenzene | 3.968 | 114  | 368200   | 10.000 | ppbv  | 0.00     |
| 55) Chlorobenzene-d5    | 8.895 | 117  | 322291   | 10.000 | ppbv  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 68) 1-Bromo-4-Fluorobenzene | 10.387 | 95    | 244955   | 10.134   | ppbv | 0.00     |
| Spiked Amount               | 10.000 | Range | 65 - 135 | Recovery | =    | 101.300% |

| Target Compounds              |       |     |        |       |        | Qvalue |
|-------------------------------|-------|-----|--------|-------|--------|--------|
| 2) Dichlorodifluoromethane    | 1.502 | 85  | 159958 | 9.338 | ppbv   | 100    |
| 3) Chlorodifluoromethane      | 1.479 | 51  | 177225 | 9.360 | ppbv   | 100    |
| 4) Chloromethane              | 1.534 | 50  | 62240  | 9.004 | ppbv   | 99     |
| 5) Vinyl Chloride             | 1.583 | 62  | 59335  | 8.716 | ppbv   | 99     |
| 6) Bromomethane               | 1.670 | 94  | 23152  | 8.505 | ppbv   | 97     |
| 7) Chloroethane               | 1.706 | 64  | 23657  | 8.898 | ppbv   | 91     |
| 8) Dichlorotetrafluoroethane  | 1.557 | 85  | 132763 | 9.471 | ppbv   | 95     |
| 9) Propene                    | 1.486 | 41  | 71030  | 8.686 | ppbv   | 97     |
| 10) Heptane                   | 4.991 | 43  | 199706 | 9.118 | ppbv   | 98     |
| 11) Trichlorofluoromethane    | 1.881 | 101 | 153519 | 9.084 | ppbv   | 98     |
| 12) 1,1,2-Trichlorotrifluo... | 2.143 | 101 | 123905 | 9.198 | ppbv   | 97     |
| 13) Ethanol                   | 1.725 | 45  | 5608   | 7.501 | ppbv   | 100    |
| 14) Bromoethene               | 1.784 | 108 | 45076  | 9.244 | ppbv   | 98     |
| 15) Acetone                   | 1.839 | 43  | 115155 | 7.448 | ppbv   | 100    |
| 16) 1,3-Butadiene             | 1.612 | 39  | 58958  | 8.412 | ppbv   | 99     |
| 17) tert-Butyl alcohol        | 2.043 | 59  | 158939 | 8.668 | ppbv   | 99     |
| 18) 1,1-Dichloroethene        | 2.036 | 96  | 55494  | 9.371 | ppbv   | 97     |
| 19) Isopropyl Alcohol         | 1.890 | 45  | 78860  | 8.540 | ppbv   | 100    |
| 20) Methylene Chloride        | 2.065 | 84  | 48184  | 7.439 | ppbv   | 90     |
| 21) Allyl Chloride            | 2.101 | 41  | 96710  | 8.854 | ppbv   | 95     |
| 22) trans-1,2-Dichloroethene  | 2.347 | 96  | 62464  | 9.117 | ppbv   | 94     |
| 23) Vinyl Acetate             | 2.467 | 43  | 206801 | 9.728 | ppbv   | 99     |
| 24) 1,1-Dichloroethane        | 2.415 | 63  | 123052 | 8.993 | ppbv   | 98     |
| 25) Ethyl Acetate             | 2.842 | 43  | 344281 | 9.200 | ppbv   | 99     |
| 26) Hexane                    | 2.832 | 57  | 159005 | 9.206 | ppbv   | 97     |
| 27) Carbon Disulfide          | 2.156 | 76  | 153403 | 9.126 | ppbv # | 91     |
| 28) Methyl tert-Butyl Ether   | 2.444 | 73  | 84816  | 9.630 | ppbv   | 93     |
| 29) Chloroform                | 2.855 | 83  | 234067 | 9.492 | ppbv   | 99     |
| 30) Cyclohexane               | 3.865 | 84  | 140375 | 9.270 | ppbv   | 99     |
| 31) cis-1,2-Dichloroethene    | 2.725 | 61  | 158712 | 9.199 | ppbv   | 98     |
| 32) 1,1,1-Trichloroethane     | 3.376 | 97  | 245800 | 9.431 | ppbv   | 100    |
| 34) 2-Butanone                | 2.560 | 43  | 224149 | 9.016 | ppbv   | 100    |
| 35) Carbon Tetrachloride      | 3.771 | 117 | 235598 | 9.281 | ppbv   | 96     |
| 36) Benzene                   | 3.664 | 78  | 330026 | 9.360 | ppbv   | 99     |
| 37) 1,2-Dichloroethane        | 3.227 | 62  | 181878 | 9.874 | ppbv   | 98     |
| 38) Trichloroethene           | 4.557 | 130 | 144018 | 8.944 | ppbv   | 95     |
| 39) 1,2-Dichloropropane       | 4.324 | 63  | 119442 | 9.275 | ppbv   | 97     |
| 40) 1,4-Dioxane               | 4.593 | 88  | 54081m | 8.832 | ppbv   |        |
| 41) Tetrahydrofuran           | 3.059 | 42  | 127578 | 9.204 | ppbv   | 98     |
| 42) Bromodichloromethane      | 4.502 | 83  | 261380 | 9.522 | ppbv   | 98     |
| 43) Methyl Methacrylate       | 4.894 | 69  | 131335 | 9.042 | ppbv   | 98     |
| 44) 2,2,4-Trimethylpentane    | 4.648 | 57  | 540935 | 9.039 | ppbv   | 100    |
| 45) t-1,3-Dichloropropene     | 6.431 | 75  | 152588 | 9.309 | ppbv   | 99     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_L\Data\VL081325\  
 Data File : VL042851.D  
 Acq On : 13 Aug 2025 14:32  
 Operator : SY/MD  
 Sample : VL0813ABS01  
 Misc : 400mL/MSVOA\_L  
 ALS Vial : 1 Sample Multiplier: 1

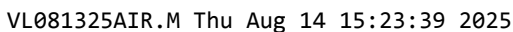
Instrument :  
 MSVOA\_L  
 ClientSampleId :  
 VL0813ABS01

Quant Time: Aug 14 02:17:24 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL081325AIR.M  
 Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_L Fri Aug 26 06:05:16 2022  
 QLast Update : Thu Aug 14 02:12:54 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|-------------------------------|--------|------|----------|--------|-------|----------|
| 46) cis-1,3-Dichloropropene   | 5.613  | 75   | 189646   | 9.285  | ppbv  | 98       |
| 47) 1,1,2-Trichloroethane     | 6.597  | 97   | 127667   | 9.357  | ppbv  | 97       |
| 48) Dibromochloromethane      | 7.402  | 129  | 207804   | 9.412  | ppbv  | 100      |
| 49) Bromoform                 | 9.493  | 173  | 168015   | 9.228  | ppbv  | 100      |
| 50) 4-Methyl-2-Pentanone      | 5.768  | 43   | 312046   | 9.286  | ppbv  | 100      |
| 51) 2-Hexanone                | 7.448  | 43   | 248690   | 9.404  | ppbv  | 98       |
| 52) Tetrachloroethene         | 8.238  | 164  | 107577   | 8.434  | ppbv  | 94       |
| 53) Toluene                   | 6.949  | 91   | 386291   | 9.216  | ppbv  | 100      |
| 54) 1,2-Dibromoethane         | 7.665  | 107  | 184932   | 9.275  | ppbv  | 97       |
| 56) 1,1,1,2-Tetrachloroethane | 8.937  | 131  | 156352   | 9.381  | ppbv  | 98       |
| 57) Chlorobenzene             | 8.933  | 112  | 285789   | 9.326  | ppbv  | 98       |
| 58) Ethyl Benzene             | 9.367  | 91   | 534013   | 9.389  | ppbv  | 99       |
| 59) m/p-Xylene                | 9.565  | 91   | 837335m  | 18.783 | ppbv  |          |
| 60) o-Xylene                  | 9.976  | 91   | 417423   | 9.308  | ppbv  | 100      |
| 61) Styrene                   | 9.882  | 104  | 197790   | 9.414  | ppbv  | 99       |
| 62) Isopropylbenzene          | 10.548 | 105  | 607606   | 9.271  | ppbv  | 98       |
| 63) 1,1,2,2-Tetrachloroethane | 9.972  | 83   | 221716   | 8.990  | ppbv  | 100      |
| 64) n-propylbenzene           | 10.998 | 120  | 153914   | 9.205  | ppbv  | 98       |
| 65) tert-Butylbenzene         | 11.539 | 119  | 518992   | 8.983  | ppbv  | 98       |
| 66) Benzyl Chloride           | 11.623 | 91   | 62299    | 8.494  | ppbv  | 99       |
| 67) sec-Butylbenzene          | 11.775 | 105  | 741280   | 9.141  | ppbv  | 99       |
| 69) p-Isopropyltoluene        | 11.934 | 119  | 612316   | 8.795  | ppbv  | 98       |
| 70) n-Butylbenzene            | 12.290 | 91   | 629840   | 9.122  | ppbv  | 98       |
| 71) 2-Chlorotoluene           | 10.911 | 91   | 467569   | 9.188  | ppbv  | 98       |
| 72) 4-Ethyltoluene            | 11.134 | 105  | 505391   | 9.297  | ppbv  | 99       |
| 73) 1,3,5-Trimethylbenzene    | 11.212 | 105  | 425759   | 9.210  | ppbv  | 97       |
| 74) 1,2,4-Trimethylbenzene    | 11.545 | 105  | 456933   | 9.005  | ppbv  | 97       |
| 75) 1,3-Dichlorobenzene       | 11.617 | 146  | 259541   | 8.997  | ppbv  | 98       |
| 76) 1,4-Dichlorobenzene       | 11.681 | 146  | 261302   | 8.957  | ppbv  | 99       |
| 77) 1,2-Dichlorobenzene       | 11.956 | 146  | 250432   | 8.866  | ppbv  | 99       |
| 78) Hexachloro-1,3-Butadiene  | 13.889 | 225  | 173363   | 7.488  | ppbv  | 98       |
| 79) Naphthalene               | 13.520 | 128  | 410796   | 8.930  | ppbv  | 99       |
| 80) Naphthalene,2-methyl-     | 14.462 | 142  | 145644   | 8.473  | ppbv  | 98       |
| 81) 1,2,4-Trichlorobenzene    | 13.445 | 180  | 204023   | 8.824  | ppbv  | 99       |

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

Quant Time: Aug 14 02:17:24 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_L\methods\VL081325AIR.M  
Quant Title : AIR ANALYSIS BY METHOD TO-15 Instrument: MSVOA\_LFri Aug 26 06:05:16 2022  
QLast Update : Thu Aug 14 02:12:54 2025  
Response via : Initial Calibration



## Manual Integration Report

|           |          |            |         |
|-----------|----------|------------|---------|
| Sequence: | VL081325 | Instrument | MSVOA_I |
|-----------|----------|------------|---------|

| Sample ID   | File ID    | Parameter               | Review By | Review On            | Supervised By | Supervised On | Reason                      |
|-------------|------------|-------------------------|-----------|----------------------|---------------|---------------|-----------------------------|
| VSTDICCC010 | VL042842.D | m/p-Xylene              | SAM       | 8/14/2025 7:48:06 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| VSTDICCC002 | VL042843.D | 1,1,2-Trichloroethane   | SAM       | 8/14/2025 7:48:12 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| VSTDICCC002 | VL042843.D | 1,4-Dioxane             | SAM       | 8/14/2025 7:48:12 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| VSTDICCC002 | VL042843.D | cis-1,3-Dichloropropene | SAM       | 8/14/2025 7:48:12 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| VSTDICCC002 | VL042843.D | Ethanol                 | SAM       | 8/14/2025 7:48:12 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| VSTDICCC002 | VL042843.D | m/p-Xylene              | SAM       | 8/14/2025 7:48:12 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| VSTDICCC002 | VL042843.D | Methyl Methacrylate     | SAM       | 8/14/2025 7:48:12 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| VSTDICCC001 | VL042844.D | 1,2-Dichloropropane     | SAM       | 8/14/2025 7:48:18 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| VSTDICCC001 | VL042844.D | 1,4-Dioxane             | SAM       | 8/14/2025 7:48:18 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| VSTDICCC001 | VL042844.D | 2,2,4-Trimethylpentane  | SAM       | 8/14/2025 7:48:18 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| VSTDICCC001 | VL042844.D | Ethanol                 | SAM       | 8/14/2025 7:48:18 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| VSTDICCC001 | VL042844.D | Heptane                 | SAM       | 8/14/2025 7:48:18 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| VSTDICCC001 | VL042844.D | m/p-Xylene              | SAM       | 8/14/2025 7:48:18 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |

## Manual Integration Report

|           |          |            |         |
|-----------|----------|------------|---------|
| Sequence: | VL081325 | Instrument | MSVOA_I |
|-----------|----------|------------|---------|

| Sample ID  | File ID    | Parameter                | Review By | Review On            | Supervised By | Supervised On | Reason                      |
|------------|------------|--------------------------|-----------|----------------------|---------------|---------------|-----------------------------|
| VSTDICC001 | VL042844.D | Methyl Methacrylate      | SAM       | 8/14/2025 7:48:18 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| VSTDICC001 | VL042844.D | t-1,3-Dichloropropene    | SAM       | 8/14/2025 7:48:18 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| VSTDICC001 | VL042844.D | trans-1,2-Dichloroethene | SAM       | 8/14/2025 7:48:18 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| VSTDICC0.5 | VL042845.D | 1,1,2-Trichloroethane    | SAM       | 8/14/2025 7:49:25 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| VSTDICC0.5 | VL042845.D | 1,4-Dioxane              | SAM       | 8/14/2025 7:49:25 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| VSTDICC0.5 | VL042845.D | 2,2,4-Trimethylpentane   | SAM       | 8/14/2025 7:49:25 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| VSTDICC0.5 | VL042845.D | 4-Methyl-2-Pentanone     | SAM       | 8/14/2025 7:49:25 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| VSTDICC0.5 | VL042845.D | cis-1,3-Dichloropropene  | SAM       | 8/14/2025 7:49:25 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| VSTDICC0.5 | VL042845.D | m/p-Xylene               | SAM       | 8/14/2025 7:49:25 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| VSTDICC0.5 | VL042845.D | Methyl Methacrylate      | SAM       | 8/14/2025 7:49:25 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| VSTDICC0.5 | VL042845.D | t-1,3-Dichloropropene    | SAM       | 8/14/2025 7:49:25 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| VSTDICC0.5 | VL042845.D | Toluene                  | SAM       | 8/14/2025 7:49:25 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| VSTDICC0.1 | VL042846.D | 1,1,1-Trichloroethane    | SAM       | 8/14/2025 7:48:23 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |

## Manual Integration Report

|           |          |            |         |
|-----------|----------|------------|---------|
| Sequence: | VL081325 | Instrument | MSVOA_I |
|-----------|----------|------------|---------|

| Sample ID   | File ID    | Parameter                 | Review By | Review On            | Supervised By | Supervised On | Reason                      |
|-------------|------------|---------------------------|-----------|----------------------|---------------|---------------|-----------------------------|
| VSTDICC0.1  | VL042846.D | 1,2-Dibromoethane         | SAM       | 8/14/2025 7:48:23 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| VSTDICC0.1  | VL042846.D | Naphthalene               | SAM       | 8/14/2025 7:48:23 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| VSTDICC0.1  | VL042846.D | Tetrachloroethene         | SAM       | 8/14/2025 7:48:23 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| VSTDICC0.1  | VL042846.D | Trichloroethene           | SAM       | 8/14/2025 7:48:23 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| VSTDICC0.03 | VL042847.D | 1,1,1-Trichloroethane     | SAM       | 8/14/2025 7:49:29 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| VSTDICC0.03 | VL042847.D | 1,1,2,2-Tetrachloroethane | SAM       | 8/14/2025 7:49:29 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| VSTDICC0.03 | VL042847.D | Carbon Tetrachloride      | SAM       | 8/14/2025 7:49:29 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| VSTDICC0.03 | VL042847.D | Tetrachloroethene         | SAM       | 8/14/2025 7:49:29 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| VSTDICC0.03 | VL042847.D | Trichloroethene           | SAM       | 8/14/2025 7:49:29 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| VSTDICC015  | VL042848.D | m/p-Xylene                | SAM       | 8/14/2025 7:49:35 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| VSTDICV010  | VL042849.D | cis-1,3-Dichloropropene   | SAM       | 8/14/2025 7:48:28 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| VSTDICV010  | VL042849.D | m/p-Xylene                | SAM       | 8/14/2025 7:48:28 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| VL0813ABS01 | VL042851.D | 1,4-Dioxane               | SAM       | 8/14/2025 7:49:08 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |

## Manual Integration Report

|           |          |            |         |
|-----------|----------|------------|---------|
| Sequence: | VL081325 | Instrument | MSVOA_I |
|-----------|----------|------------|---------|

| Sample ID   | File ID    | Parameter            | Review By | Review On            | Supervised By | Supervised On | Reason                      |
|-------------|------------|----------------------|-----------|----------------------|---------------|---------------|-----------------------------|
| VL0813ABS01 | VL042851.D | m/p-Xylene           | SAM       | 8/14/2025 7:49:08 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| Q2794-01    | VL042855.D | 4-Methyl-2-Pentanone | SAM       | 8/14/2025 7:48:38 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| Q2794-01    | VL042855.D | Carbon Tetrachloride | SAM       | 8/14/2025 7:48:38 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| Q2794-01    | VL042855.D | Heptane              | SAM       | 8/14/2025 7:48:38 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| Q2794-01    | VL042855.D | Methyl Methacrylate  | SAM       | 8/14/2025 7:48:38 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| Q2794-01    | VL042855.D | Propene              | SAM       | 8/14/2025 7:48:38 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| Q2794-01    | VL042855.D | tert-Butyl alcohol   | SAM       | 8/14/2025 7:48:38 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| Q2794-01    | VL042855.D | Tetrachloroethene    | SAM       | 8/14/2025 7:48:38 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| Q2794-01DUP | VL042856.D | 4-Methyl-2-Pentanone | SAM       | 8/14/2025 7:49:41 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| Q2794-01DUP | VL042856.D | Carbon Tetrachloride | SAM       | 8/14/2025 7:49:41 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| Q2794-01DUP | VL042856.D | Cyclohexane          | SAM       | 8/14/2025 7:49:41 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| Q2794-01DUP | VL042856.D | Hexane               | SAM       | 8/14/2025 7:49:41 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| Q2794-01DUP | VL042856.D | Methyl Methacrylate  | SAM       | 8/14/2025 7:49:41 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |

## Manual Integration Report

Sequence:

VL081325

Instrument

MSVOA\_I

| Sample ID   | File ID    | Parameter              | Review By | Review On            | Supervised By | Supervised On | Reason                      |
|-------------|------------|------------------------|-----------|----------------------|---------------|---------------|-----------------------------|
| Q2794-01DUP | VL042856.D | Propene                | SAM       | 8/14/2025 7:49:41 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| Q2794-01DUP | VL042856.D | Styrene                | SAM       | 8/14/2025 7:49:41 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| Q2794-01DUP | VL042856.D | tert-Butyl alcohol     | SAM       | 8/14/2025 7:49:41 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| Q2794-01DUP | VL042856.D | Tetrachloroethene      | SAM       | 8/14/2025 7:49:41 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| Q2794-01DL  | VL042857.D | 2,2,4-Trimethylpentane | SAM       | 8/14/2025 7:49:45 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| Q2794-01DL  | VL042857.D | 2-Butanone             | SAM       | 8/14/2025 7:49:45 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| Q2794-01DL  | VL042857.D | Cyclohexane            | SAM       | 8/14/2025 7:49:45 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| Q2794-01DL  | VL042857.D | Heptane                | SAM       | 8/14/2025 7:49:45 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| Q2794-01DL  | VL042857.D | Propene                | SAM       | 8/14/2025 7:49:45 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| Q2794-02    | VL042858.D | 2,2,4-Trimethylpentane | SAM       | 8/14/2025 7:48:43 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| Q2794-02    | VL042858.D | Chlorodifluoromethane  | SAM       | 8/14/2025 7:48:43 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| Q2794-02    | VL042858.D | Heptane                | SAM       | 8/14/2025 7:48:43 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| Q2794-02    | VL042858.D | m/p-Xylene             | SAM       | 8/14/2025 7:48:43 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |



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

## Manual Integration Report

|           |          |            |         |
|-----------|----------|------------|---------|
| Sequence: | VL081325 | Instrument | MSVOA_I |
|-----------|----------|------------|---------|

| Sample ID  | File ID    | Parameter  | Review By | Review On            | Supervised By | Supervised On | Reason                      |
|------------|------------|------------|-----------|----------------------|---------------|---------------|-----------------------------|
| Q2794-02   | VL042858.D | Styrene    | SAM       | 8/14/2025 7:48:43 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |
| VSTDCCC010 | VL042864.D | m/p-Xylene | SAM       | 8/14/2025 7:47:54 AM | &nbsp;        | &nbsp;        | Peak Integrated by Software |

Instrument ID: **MSVOA\_L**

**Daily Analysis Runlog For Sequence/QC Batch ID # VL081325**

|                          |                      |                      |                      |
|--------------------------|----------------------|----------------------|----------------------|
| Review By                | Semsettin Yesilyurt  | Review On            | 8/14/2025 7:50:07 AM |
| Supervise By             |                      | Supervise On         |                      |
| SubDirectory             | VL081325             | HP Acquire Method    | TO15AIR.M            |
|                          |                      | HP Processing Method | VL081325AIR.M        |
| <b>STD. NAME</b>         | <b>STD REF.#</b>     |                      |                      |
| Tune/Reschk              | AP2655               |                      |                      |
| Initial Calibration Stds | AP2650,AP2652,AP2653 |                      |                      |
| CCC                      | AP2650               |                      |                      |
| Internal Standard/PEM    | AP2655               |                      |                      |
| ICV/I.BLK                | AP2654               |                      |                      |
| Surrogate Standard       |                      |                      |                      |
| MS/MSD Standard          |                      |                      |                      |
| LCS Standard             |                      |                      |                      |

| Sr# | SampleId             | Data File Name | Date-Time         | Operator | Status   |
|-----|----------------------|----------------|-------------------|----------|----------|
| 1   | BFB                  | VL042841.D     | 13 Aug 2025 07:45 | SY/MD    | Ok       |
| 2   | VSTDICCC010          | VL042842.D     | 13 Aug 2025 08:30 | SY/MD    | Ok,NS    |
| 3   | VSTDICCC002          | VL042843.D     | 13 Aug 2025 09:06 | SY/MD    | Ok,NS    |
| 4   | VSTDICCC001          | VL042844.D     | 13 Aug 2025 09:41 | SY/MD    | Ok,NS    |
| 5   | VSTDICCC0.5          | VL042845.D     | 13 Aug 2025 10:17 | SY/MD    | Ok,NS    |
| 6   | VSTDICCC0.1          | VL042846.D     | 13 Aug 2025 10:53 | SY/MD    | Ok,NS    |
| 7   | VSTDICCC0.03         | VL042847.D     | 13 Aug 2025 11:30 | SY/MD    | Ok,NS    |
| 8   | VSTDICCC015          | VL042848.D     | 13 Aug 2025 12:06 | SY/MD    | Ok,NS    |
| 9   | VSTDICV010           | VL042849.D     | 13 Aug 2025 12:56 | SY/MD    | Ok,NS    |
| 10  | VL0813ABL01          | VL042850.D     | 13 Aug 2025 13:46 | SY/MD    | Ok       |
| 11  | VL0813ABS01          | VL042851.D     | 13 Aug 2025 14:32 | SY/MD    | Ok,NS    |
| 12  | Q2727-01DL2          | VL042852.D     | 13 Aug 2025 15:10 | SY/MD    | Ok       |
| 13  | Q2126-14 0.1 PPB LOQ | VL042853.D     | 13 Aug 2025 15:49 | SY/MD    | Ok,NS    |
| 14  | Q080725 CAN10282     | VL042854.D     | 13 Aug 2025 16:27 | SY/MD    | Ok       |
| 15  | Q2794-01             | VL042855.D     | 13 Aug 2025 17:05 | SY/MD    | Dilution |
| 16  | Q2794-01DUP          | VL042856.D     | 13 Aug 2025 17:43 | SY/MD    | Ok,NS    |
| 17  | Q2794-01DL           | VL042857.D     | 13 Aug 2025 18:21 | SY/MD    | Ok,NS    |
| 18  | Q2794-02             | VL042858.D     | 13 Aug 2025 18:58 | SY/MD    | Ok,NS    |
| 19  | Q2794-02DL           | VL042859.D     | 13 Aug 2025 19:35 | SY/MD    | Not Ok   |
| 20  | QC081125 CAN 10280   | VL042860.D     | 13 Aug 2025 20:12 | SY/MD    | Ok       |
| 21  | Q2834-01             | VL042861.D     | 13 Aug 2025 20:49 | SY/MD    | Ok,NS    |

Instrument ID: **MSVOA\_L**

**Daily Analysis Runlog For Sequence/QC Batch ID # VL081325**

| Review By                | Semsettin Yesilyurt  | Review On            | 8/14/2025 7:50:07 AM |
|--------------------------|----------------------|----------------------|----------------------|
| Supervise By             |                      | Supervise On         |                      |
| SubDirectory             | VL081325             | HP Acquire Method    | TO15AIR.M            |
|                          |                      | HP Processing Method | VL081325AIR.M        |
| STD. NAME                | STD REF.#            |                      |                      |
| Tune/Reschk              | AP2655               |                      |                      |
| Initial Calibration Stds | AP2650,AP2652,AP2653 |                      |                      |
| CCC                      | AP2650               |                      |                      |
| Internal Standard/PEM    | AP2655               |                      |                      |
| ICV/I.BLK                | AP2654               |                      |                      |
| Surrogate Standard       |                      |                      |                      |
| MS/MSD Standard          |                      |                      |                      |
| LCS Standard             |                      |                      |                      |

|    |            |            |                   |       |        |
|----|------------|------------|-------------------|-------|--------|
| 22 | Q2834-02   | VL042862.D | 13 Aug 2025 21:26 | SY/MD | Ok,NS  |
| 23 | Q2834-02DL | VL042863.D | 13 Aug 2025 22:02 | SY/MD | Not Ok |
| 24 | VSTDCCC010 | VL042864.D | 13 Aug 2025 22:39 | SY/MD | Ok,NS  |

M : Manual Integration

Instrument ID: MSVOA\_L

**Daily Analysis Runlog For Sequence/QC Batch ID # VL081325**

|                          |                      |                   |                                              |
|--------------------------|----------------------|-------------------|----------------------------------------------|
| Review By                | Semsettin Yesilyurt  | Review On         | 8/14/2025 7:50:07 AM                         |
| Supervise By             |                      | Supervise On      |                                              |
| SubDirectory             | VL081325             | HP Acquire Method | TO15AIR.M HP Processing Method VL081325AIR.M |
| <b>STD. NAME</b>         | <b>STD REF.#</b>     |                   |                                              |
| Tune/Reschk              | AP2655               |                   |                                              |
| Initial Calibration Stds | AP2650,AP2652,AP2653 |                   |                                              |
| CCC                      | AP2650               |                   |                                              |
| Internal Standard/PEM    | AP2655               |                   |                                              |
| ICV/I.BLK                | AP2654               |                   |                                              |
| Surrogate Standard       |                      |                   |                                              |
| MS/MSD Standard          |                      |                   |                                              |
| LCS Standard             |                      |                   |                                              |

| Sr# | SampleID             | ClientID            | Data File Name | Date-Time         | Comment  | Operator | Status   |
|-----|----------------------|---------------------|----------------|-------------------|----------|----------|----------|
| 1   | BFB                  | BFB                 | VL042841.D     | 13 Aug 2025 07:45 |          | SY/MD    | Ok       |
| 2   | VSTDICCC010          | VSTDICCC010         | VL042842.D     | 13 Aug 2025 08:30 |          | SY/MD    | Ok,NS    |
| 3   | VSTDICC002           | VSTDICC002          | VL042843.D     | 13 Aug 2025 09:06 |          | SY/MD    | Ok,NS    |
| 4   | VSTDICC001           | VSTDICC001          | VL042844.D     | 13 Aug 2025 09:41 |          | SY/MD    | Ok,NS    |
| 5   | VSTDICC0.5           | VSTDICC0.5          | VL042845.D     | 13 Aug 2025 10:17 |          | SY/MD    | Ok,NS    |
| 6   | VSTDICC0.1           | VSTDICC0.1          | VL042846.D     | 13 Aug 2025 10:53 |          | SY/MD    | Ok,NS    |
| 7   | VSTDICC0.03          | VSTDICC0.03         | VL042847.D     | 13 Aug 2025 11:30 |          | SY/MD    | Ok,NS    |
| 8   | VSTDICC015           | VSTDICC015          | VL042848.D     | 13 Aug 2025 12:06 |          | SY/MD    | Ok,NS    |
| 9   | VSTDICV010           | ICVVL081325         | VL042849.D     | 13 Aug 2025 12:56 |          | SY/MD    | Ok,NS    |
| 10  | VL0813ABL01          | VL0813ABL01         | VL042850.D     | 13 Aug 2025 13:46 |          | SY/MD    | Ok       |
| 11  | VL0813ABS01          | VL0813ABS01         | VL042851.D     | 13 Aug 2025 14:32 |          | SY/MD    | Ok,NS    |
| 12  | Q2727-01DL2          | AE073-1100DL2       | VL042852.D     | 13 Aug 2025 15:10 |          | SY/MD    | Ok       |
| 13  | Q2126-14 0.1 PPB LOC | LOQ-AIR-02-QT2-2025 | VL042853.D     | 13 Aug 2025 15:49 |          | SY/MD    | Ok,NS    |
| 14  | Q080725 CAN10282     | Q080725 CAN10282    | VL042854.D     | 13 Aug 2025 16:27 |          | SY/MD    | Ok       |
| 15  | Q2794-01             | IA1                 | VL042855.D     | 13 Aug 2025 17:05 | Need 10X | SY/MD    | Dilution |
| 16  | Q2794-01DUP          | IA1DUP              | VL042856.D     | 13 Aug 2025 17:43 |          | SY/MD    | Ok,NS    |
| 17  | Q2794-01DL           | IA1DL               | VL042857.D     | 13 Aug 2025 18:21 |          | SY/MD    | Ok,NS    |
| 18  | Q2794-02             | OA1                 | VL042858.D     | 13 Aug 2025 18:58 |          | SY/MD    | Ok,NS    |

Instrument ID: MSVOA\_L

**Daily Analysis Runlog For Sequence/QC Batch ID # VL081325**

| Review By                | Semsettin Yesilyurt  | Review On         | 8/14/2025 7:50:07 AM                         |
|--------------------------|----------------------|-------------------|----------------------------------------------|
| Supervise By             |                      | Supervise On      |                                              |
| SubDirectory             | VL081325             | HP Acquire Method | TO15AIR.M HP Processing Method VL081325AIR.M |
| STD. NAME                | STD REF.#            |                   |                                              |
| Tune/Reschk              | AP2655               |                   |                                              |
| Initial Calibration Stds | AP2650,AP2652,AP2653 |                   |                                              |
| CCC                      | AP2650               |                   |                                              |
| Internal Standard/PEM    | AP2655               |                   |                                              |
| ICV/I.BLK                | AP2654               |                   |                                              |
| Surrogate Standard       |                      |                   |                                              |
| MS/MSD Standard          |                      |                   |                                              |
| LCS Standard             |                      |                   |                                              |

|    |                    |                    |            |                   |              |       |        |
|----|--------------------|--------------------|------------|-------------------|--------------|-------|--------|
| 19 | Q2794-02DL         | OA1DL              | VL042859.D | 13 Aug 2025 19:35 | Not Required | SY/MD | Not Ok |
| 20 | QC081125 CAN 10280 | QC081125 CAN 10280 | VL042860.D | 13 Aug 2025 20:12 |              | SY/MD | Ok     |
| 21 | Q2834-01           | IA1                | VL042861.D | 13 Aug 2025 20:49 |              | SY/MD | Ok,NS  |
| 22 | Q2834-02           | SV1                | VL042862.D | 13 Aug 2025 21:26 |              | SY/MD | Ok,NS  |
| 23 | Q2834-02DL         | SV1DL              | VL042863.D | 13 Aug 2025 22:02 | Not Required | SY/MD | Not Ok |
| 24 | VSTDCCC010         | VSTDCCC010EC       | VL042864.D | 13 Aug 2025 22:39 |              | SY/MD | Ok,NS  |

M : Manual Integration

|                                                                                    |                |                          |                         |                                                      |                                    |                            |                           |                                                                        |                                   |                                                                                                                                                              |              |                               |                                  |             |                   |                     |          |  |  |
|------------------------------------------------------------------------------------|----------------|--------------------------|-------------------------|------------------------------------------------------|------------------------------------|----------------------------|---------------------------|------------------------------------------------------------------------|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|-------------------------------|----------------------------------|-------------|-------------------|---------------------|----------|--|--|
| Client Contact Information                                                         |                |                          |                         | Bottle Order ID : <b>B2507029</b>                    |                                    |                            |                           | Courier : <b>FGALDUN</b>                                               |                                   |                                                                                                                                                              |              | <u>2</u> of <u>2</u> COCs     |                                  |             |                   |                     |          |  |  |
| Client ID : <b>GFEL01</b> Project ID : <b>10 Eldridge St.</b>                      |                |                          |                         | Sampler Name(s) : <b>FRANK GALDUN</b>                |                                    |                            |                           | Analysis                                                               |                                   |                                                                                                                                                              |              | Matrix                        |                                  |             |                   |                     |          |  |  |
| Customer Name : <b>GFE LLC</b><br><br>Address : <b>58 Nokomis Ave</b>              |                |                          |                         | Project Manager : <b>Frank galdun</b>                |                                    |                            |                           | <b>AIR ANALYSIS<br/>CHAIN-OF-CUSTODY</b><br><br><b>Batch Certified</b> |                                   |                                                                                                                                                              |              |                               |                                  |             |                   |                     |          |  |  |
|                                                                                    |                |                          |                         | Phone Number : <b>646-542-3465</b>                   |                                    |                            |                           |                                                                        |                                   |                                                                                                                                                              |              |                               |                                  |             |                   |                     |          |  |  |
|                                                                                    |                |                          |                         | Fax Number : <b>973-334-1692</b>                     |                                    |                            |                           |                                                                        |                                   |                                                                                                                                                              |              |                               |                                  |             |                   |                     |          |  |  |
| City : <b>Lake Hiawatha</b>                                                        |                |                          |                         | Site Details: <b>233 FLOIDA ST<br/>ELIZABETH, NJ</b> |                                    |                            |                           |                                                                        |                                   |                                                                                                                                                              |              |                               |                                  |             |                   |                     |          |  |  |
| State : <b>NJ</b>                                                                  |                |                          |                         | Analysis Turnaround Time <b>7 DAY</b>                |                                    |                            |                           |                                                                        |                                   |                                                                                                                                                              |              |                               |                                  |             |                   |                     |          |  |  |
| Zip Code : <b>07034</b>                                                            |                |                          |                         | Standard : <b>10 business days</b> OR                |                                    |                            |                           | Data Package Type : <b>RESULTS ONLY</b>                                |                                   |                                                                                                                                                              |              |                               |                                  |             |                   |                     |          |  |  |
| Country :                                                                          |                |                          |                         | Rush (Specify): <b>7</b> Days                        |                                    |                            |                           | EDD Type : <b>PDF</b>                                                  |                                   |                                                                                                                                                              |              |                               |                                  |             |                   |                     |          |  |  |
| Sample Identification                                                              | Sample Date(s) | Time Start (24 hr Clock) | Time Stop (24 hr Clock) | Can Vacuum in Field ("Hg) (Start)                    | Can Vacuum in Field ("Hg) (Stop)** | Interior Temp. (F) (Start) | Interior Temp. (F) (Stop) | Out going Can Pressure ("Hg)(Lab)                                      | In coming Can Pressure ("Hg)(Lab) | Flow Reg. ID                                                                                                                                                 | Can ID       |                               | Flow Controller Readout (ml/min) | Can Cert ID | <u>TO-15</u>      | Indoor/Ambient Air  | Soil Gas |  |  |
| <b>OAI</b>                                                                         | <b>8/7/25</b>  | <b>8:05</b>              | <b>10:05</b>            | <b>0.52</b>                                          | <b>30</b>                          | <b>4.5</b>                 | <b>✓</b>                  | <b>✓</b>                                                               | <b>-30</b>                        | <b>5.1</b>                                                                                                                                                   | <b>10185</b> | <b>10333</b>                  | <b>6 L</b>                       | <b>50</b>   | <b>VL042562.D</b> | <b>1</b>            | <b>1</b> |  |  |
| Temperature (Fahrenheit)                                                           |                |                          |                         |                                                      |                                    |                            |                           |                                                                        |                                   | GC/MS Analyst Signature (TO-15) <span style="border: 1px solid black; padding: 5px; display: inline-block;">[Signature]</span>                               |              |                               |                                  |             |                   |                     |          |  |  |
|                                                                                    | Ambient        | Maximum                  | Minimum                 |                                                      |                                    |                            |                           |                                                                        |                                   |                                                                                                                                                              |              |                               |                                  |             |                   |                     |          |  |  |
| Start                                                                              | <b>71</b>      |                          |                         |                                                      |                                    |                            |                           |                                                                        |                                   |                                                                                                                                                              |              |                               |                                  |             |                   |                     |          |  |  |
| Stop                                                                               | <b>74</b>      |                          |                         |                                                      |                                    |                            |                           |                                                                        |                                   |                                                                                                                                                              |              |                               |                                  |             |                   |                     |          |  |  |
| Pressure (Inches of Hg)                                                            |                |                          |                         |                                                      |                                    |                            |                           |                                                                        |                                   | ** Submittal of this COC indicates approval of the analysis based on existing conditions.<br><br><br>Please follow the instructions on the back of this COC. |              |                               |                                  |             |                   |                     |          |  |  |
|                                                                                    | Ambient        | Maximum                  | Minimum                 |                                                      |                                    |                            |                           |                                                                        |                                   |                                                                                                                                                              |              |                               |                                  |             |                   |                     |          |  |  |
| Start                                                                              |                |                          |                         |                                                      |                                    |                            |                           |                                                                        |                                   |                                                                                                                                                              |              |                               |                                  |             |                   |                     |          |  |  |
| Stop                                                                               |                |                          |                         |                                                      |                                    |                            |                           |                                                                        |                                   |                                                                                                                                                              |              |                               |                                  |             |                   |                     |          |  |  |
| Special Instructions/QC Requirements & Comments :                                  |                |                          |                         |                                                      |                                    |                            |                           |                                                                        |                                   |                                                                                                                                                              |              |                               |                                  |             |                   |                     |          |  |  |
| Suspected Contamination:      High      Medium <u>Low</u> PID Readings: <u>0.0</u> |                |                          |                         |                                                      |                                    |                            |                           |                                                                        |                                   |                                                                                                                                                              |              |                               |                                  |             |                   |                     |          |  |  |
| Sampling site (State):                                                             |                |                          |                         |                                                      |                                    |                            |                           |                                                                        |                                   |                                                                                                                                                              |              |                               |                                  |             |                   |                     |          |  |  |
| Quick Connector required : <u>No</u>                                               |                |                          |                         |                                                      |                                    |                            |                           |                                                                        |                                   |                                                                                                                                                              |              |                               |                                  |             |                   |                     |          |  |  |
| Canisters Shipped by: <u>[Signature]</u>                                           |                |                          |                         | Date/Time: <u>8/7/25</u>                             |                                    |                            |                           | Canisters Received by: <u>OR</u>                                       |                                   |                                                                                                                                                              |              | Date/Time: <u>8/7/25 1026</u> |                                  |             |                   | <b>B2507029 - 7</b> |          |  |  |
| Samples Relinquished by: <u>[Signature]</u>                                        |                |                          |                         | Date/Time: <u>8/7/25</u>                             |                                    |                            |                           | Received by:                                                           |                                   |                                                                                                                                                              |              | Date/Time:                    |                                  |             |                   |                     |          |  |  |
| Relinquished by:                                                                   |                |                          |                         | Date/Time:                                           |                                    |                            |                           | Received by:                                                           |                                   |                                                                                                                                                              |              | Date/Time:                    |                                  |             |                   |                     |          |  |  |

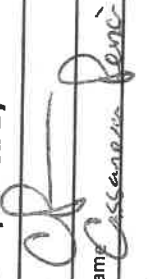
|                                                                                                                                                                                                                                                                                            |                |                          |                         |                                                       |                                    |                            |                           |                                                                        |                                   |              |              |                                  |             |                   |                    |          |  |      |  |  |  |                                                                                                                                                          |  |  |  |  |  |  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|--------------------------|-------------------------|-------------------------------------------------------|------------------------------------|----------------------------|---------------------------|------------------------------------------------------------------------|-----------------------------------|--------------|--------------|----------------------------------|-------------|-------------------|--------------------|----------|--|------|--|--|--|----------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|
| Client Contact Information                                                                                                                                                                                                                                                                 |                |                          |                         | Bottle Order ID : <b>B2507029</b>                     |                                    |                            |                           | Courier : <b>FGALDUN</b>                                               |                                   |              |              | 1 of 2 COCs                      |             |                   |                    |          |  |      |  |  |  |                                                                                                                                                          |  |  |  |  |  |  |
| Client ID : <b>GFEL01</b> Project ID : <del>233 FLORIDA ST</del>                                                                                                                                                                                                                           |                |                          |                         | Sampler Name(s) <b>FRANK GALDUN</b>                   |                                    |                            |                           | Analysis                                                               |                                   |              |              | Matrix                           |             |                   |                    |          |  |      |  |  |  |                                                                                                                                                          |  |  |  |  |  |  |
| Customer Name : <b>GFE LLC</b><br>Address : <b>58 Nokomis Ave</b><br>City : <b>Lake Hiawatha</b><br>State : <b>NJ</b><br>Zip Code : <b>07034</b><br>Country :                                                                                                                              |                |                          |                         | Project Manager : <b>Frank galdun</b>                 |                                    |                            |                           | <b>AIR ANALYSIS<br/>CHAIN-OF-CUSTODY</b><br><br><b>Batch Certified</b> |                                   |              |              |                                  |             |                   |                    |          |  |      |  |  |  |                                                                                                                                                          |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                            |                |                          |                         | Phone Number : <b>646-542-3465</b>                    |                                    |                            |                           |                                                                        |                                   |              |              |                                  |             |                   |                    |          |  |      |  |  |  |                                                                                                                                                          |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                            |                |                          |                         | Fax Number : <b>973-334-1692</b>                      |                                    |                            |                           |                                                                        |                                   |              |              |                                  |             |                   |                    |          |  |      |  |  |  |                                                                                                                                                          |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                            |                |                          |                         | Site Details: <b>233 FLORIDA ST<br/>ELIZABETH, NJ</b> |                                    |                            |                           |                                                                        |                                   |              |              |                                  |             |                   |                    |          |  |      |  |  |  |                                                                                                                                                          |  |  |  |  |  |  |
| Analysis Turnaround Time <b>7 DAY</b>                                                                                                                                                                                                                                                      |                |                          |                         | Standard : <del>10 business days</del> <b>OR</b>      |                                    |                            |                           | Data Package Type <b>RESULTS ONLY</b>                                  |                                   |              |              |                                  |             |                   |                    |          |  |      |  |  |  |                                                                                                                                                          |  |  |  |  |  |  |
| Rush (Specify): <b>1 Days</b>                                                                                                                                                                                                                                                              |                |                          |                         | EDD Type : <b>PDF</b>                                 |                                    |                            |                           |                                                                        |                                   |              |              |                                  |             |                   |                    |          |  |      |  |  |  |                                                                                                                                                          |  |  |  |  |  |  |
| Sample Identification                                                                                                                                                                                                                                                                      | Sample Date(s) | Time Start (24 hr Clock) | Time Stop (24 hr Clock) | Can Vacuum in Field ("Hg) (Start)                     | Can Vacuum in Field ("Hg) (Stop)** | Interior Temp. (F) (Start) | Interior Temp. (F) (Stop) | Out going Can Pressure ("Hg)(Lab)                                      | In coming Can Pressure ("Hg)(Lab) | Flow Reg. ID | Can ID       | Flow Controller Readout (ml/min) | Can Cert ID | TO-15             | Indoor Ambient Air | Soil Gas |  |      |  |  |  |                                                                                                                                                          |  |  |  |  |  |  |
| <b>HA1</b>                                                                                                                                                                                                                                                                                 | <b>8/7/25</b>  | <b>8:09</b>              | <b>10:09</b>            | <b>30</b>                                             | <b>6</b>                           | <b>70</b>                  | <b>70</b>                 | <b>-30</b>                                                             | <b>-5.5</b>                       | <b>10707</b> | <b>10285</b> | <b>6 L</b>                       | <b>50</b>   | <b>VL042600.D</b> | <b>1</b>           | <b>1</b> |  |      |  |  |  |                                                                                                                                                          |  |  |  |  |  |  |
| Temperature (Fahrenheit) <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td></td> <td>Ambient</td> <td>Maximum</td> <td>Minimum</td> </tr> <tr> <td>Start</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Stop</td> <td></td> <td></td> <td></td> </tr> </table> |                |                          |                         |                                                       |                                    |                            |                           |                                                                        |                                   |              | Ambient      | Maximum                          | Minimum     | Start             |                    |          |  | Stop |  |  |  | GC/MS Analyst Signature (TO-15) <span style="float: right;"></span>                                                                                      |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                            | Ambient        | Maximum                  | Minimum                 |                                                       |                                    |                            |                           |                                                                        |                                   |              |              |                                  |             |                   |                    |          |  |      |  |  |  |                                                                                                                                                          |  |  |  |  |  |  |
| Start                                                                                                                                                                                                                                                                                      |                |                          |                         |                                                       |                                    |                            |                           |                                                                        |                                   |              |              |                                  |             |                   |                    |          |  |      |  |  |  |                                                                                                                                                          |  |  |  |  |  |  |
| Stop                                                                                                                                                                                                                                                                                       |                |                          |                         |                                                       |                                    |                            |                           |                                                                        |                                   |              |              |                                  |             |                   |                    |          |  |      |  |  |  |                                                                                                                                                          |  |  |  |  |  |  |
| Pressure (Inches of Hg) <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td></td> <td>Ambient</td> <td>Maximum</td> <td>Minimum</td> </tr> <tr> <td>Start</td> <td></td> <td></td> <td></td> </tr> <tr> <td>Stop</td> <td></td> <td></td> <td></td> </tr> </table>  |                |                          |                         |                                                       |                                    |                            |                           |                                                                        |                                   |              | Ambient      | Maximum                          | Minimum     | Start             |                    |          |  | Stop |  |  |  | ** Submittal of this COC indicates approval of the analysis based on existing conditions.<br><br>Please follow the instructions on the back of this COC. |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                            | Ambient        | Maximum                  | Minimum                 |                                                       |                                    |                            |                           |                                                                        |                                   |              |              |                                  |             |                   |                    |          |  |      |  |  |  |                                                                                                                                                          |  |  |  |  |  |  |
| Start                                                                                                                                                                                                                                                                                      |                |                          |                         |                                                       |                                    |                            |                           |                                                                        |                                   |              |              |                                  |             |                   |                    |          |  |      |  |  |  |                                                                                                                                                          |  |  |  |  |  |  |
| Stop                                                                                                                                                                                                                                                                                       |                |                          |                         |                                                       |                                    |                            |                           |                                                                        |                                   |              |              |                                  |             |                   |                    |          |  |      |  |  |  |                                                                                                                                                          |  |  |  |  |  |  |
| Special Instructions/QC Requirements & Comments :                                                                                                                                                                                                                                          |                |                          |                         |                                                       |                                    |                            |                           |                                                                        |                                   |              |              |                                  |             |                   |                    |          |  |      |  |  |  |                                                                                                                                                          |  |  |  |  |  |  |
| Suspected Contamination:      High                  Medium                  Low                  PID Readings:                                                                                                                                                                             |                |                          |                         |                                                       |                                    |                            |                           |                                                                        |                                   |              |              |                                  |             |                   |                    |          |  |      |  |  |  |                                                                                                                                                          |  |  |  |  |  |  |
| Sampling site (State):                                                                                                                                                                                                                                                                     |                |                          |                         |                                                       |                                    |                            |                           |                                                                        |                                   |              |              |                                  |             |                   |                    |          |  |      |  |  |  |                                                                                                                                                          |  |  |  |  |  |  |
| Quick Connector required : <b>NO</b>                                                                                                                                                                                                                                                       |                |                          |                         |                                                       |                                    |                            |                           |                                                                        |                                   |              |              |                                  |             |                   |                    |          |  |      |  |  |  |                                                                                                                                                          |  |  |  |  |  |  |
| Canisters Shipped by: <b>Scum</b>                                                                                                                                                                                                                                                          |                |                          |                         | Date/Time: <b>07/24/15</b>                            |                                    |                            |                           | Canisters Received by: <b>CP</b>                                       |                                   |              |              | Date/Time: <b>8/7/25 10:26</b>   |             |                   |                    |          |  |      |  |  |  |                                                                                                                                                          |  |  |  |  |  |  |
| Samples Relinquished by:                                                                                                                                                                                                                                                                   |                |                          |                         | Date/Time:                                            |                                    |                            |                           | Received by:                                                           |                                   |              |              | Date/Time:                       |             |                   |                    |          |  |      |  |  |  |                                                                                                                                                          |  |  |  |  |  |  |
| Relinquished by:                                                                                                                                                                                                                                                                           |                |                          |                         | Date/Time:                                            |                                    |                            |                           | Received by:                                                           |                                   |              |              | Date/Time:                       |             |                   |                    |          |  |      |  |  |  |                                                                                                                                                          |  |  |  |  |  |  |

## Internal Chain of Custody

**Instructions:** Use 1 form for each 20 samples of aliquot

|                                                                                                          |                                                              |
|----------------------------------------------------------------------------------------------------------|--------------------------------------------------------------|
| <b>Laboratory Person Breaking Field Seal on Sample Shuttle &amp; Accepting Responsibility for Sample</b> |                                                              |
| Laboratory: <u>Chemtech</u>                                                                              | Location: <u>284 Sheffield Street, Mountainside, NJ 7092</u> |
| <b>QA/QC:</b>                                                                                            | Title: <u>Sample Custodian</u>                               |
| Field Sample Seal No.: <u>Q2794</u>                                                                      | Date Broken: <u>8/7/2025</u>                                 |
| Case No.: <u>233 FLORIDA ST ELIZABETH</u>                                                                | Military Time Seal Broken: <u>10:26:00</u>                   |
|                                                                                                          | Analytical Parameter/Fraction: <u>TO-15</u>                  |

| Sample No. | Aliquot/Extract No. | Sample No. | Aliquot/Extract No. |
|------------|---------------------|------------|---------------------|
| Q2794-01   | IA1                 |            |                     |
| Q2794-02   | OA1                 |            |                     |
|            |                     |            |                     |

| Date   | Time  | Relinquished By |                                                                                    | Received By  |                                                                                   | Purpose of Change of Custody |
|--------|-------|-----------------|------------------------------------------------------------------------------------|--------------|-----------------------------------------------------------------------------------|------------------------------|
| 8/7/25 | 12:40 | Signature       |  | Signature    |  |                              |
|        |       | Printed Name    | Cassanova, Penni                                                                   | Printed Name | Sample Custodian                                                                  |                              |
|        |       | Signature       |                                                                                    | Signature    |                                                                                   |                              |
|        |       | Printed Name    |                                                                                    | Printed Name |                                                                                   |                              |
|        |       | Signature       |                                                                                    | Signature    |                                                                                   |                              |
|        |       | Printed Name    |                                                                                    | Printed Name |                                                                                   |                              |
|        |       | Signature       |                                                                                    | Signature    |                                                                                   |                              |
|        |       | Printed Name    |                                                                                    | Printed Name |                                                                                   |                              |
|        |       | Signature       |                                                                                    | Signature    |                                                                                   |                              |
|        |       | Printed Name    |                                                                                    | Printed Name |                                                                                   |                              |
|        |       | Signature       |                                                                                    | Signature    |                                                                                   |                              |
|        |       | Printed Name    |                                                                                    | Printed Name |                                                                                   |                              |
|        |       | Signature       |                                                                                    | Signature    |                                                                                   |                              |
|        |       | Printed Name    |                                                                                    | Printed Name |                                                                                   |                              |
|        |       | Signature       |                                                                                    | Signature    |                                                                                   |                              |
|        |       | Printed Name    |                                                                                    | Printed Name |                                                                                   |                              |

Distribution: White - Original (Sent With Report)

Yellow - Contractor Archive

Pink - Sample Custodian - Interim Copy

## AIR SAMPLE PRESSURE & DILUTION LOGBOOK

**Analyst Signature:**

Supervisor Signature:

**METHOD:** TO-15

Pressure Gauge ID: AZ 55971

| Date     | Sample Number | Canister # | Initial Pressure psia | Initial Pressure Hg | Final Pressure psia | Final Pressure Hg | Dilution Factor | Comment |
|----------|---------------|------------|-----------------------|---------------------|---------------------|-------------------|-----------------|---------|
| 07/23/05 | Q2712-01      | 10607      | 12.4                  | -4.7                |                     |                   |                 | sy      |
|          | Q2712-02      | 10282      | 12.4                  | -4.7                |                     |                   |                 |         |
|          | Q2712-03      | 10320      | 12.2                  | -5.1                |                     |                   |                 |         |
|          | Q2712-04      | 10275      | 12.2                  | -5.1                |                     |                   |                 |         |
|          | Q2712-05      | 10445      | 12.4                  | -4.7                |                     |                   |                 |         |
|          | Q2712-06      | 10158      | 12.6                  | -4.3                |                     |                   |                 |         |
|          | Q2712-07      | 10300      | 13.0                  | -3.5                |                     |                   |                 | sy      |
| 8/01/05  | Q2750-01      | 10280      | 12.4                  | -4.7                |                     |                   |                 |         |
|          | Q2750-02      | 10279      | 11.4                  | -6.7                |                     |                   |                 |         |
|          | Q2750-03      | 10601      | 11.4                  | -6.7                |                     |                   |                 |         |
|          | Q2750-04      | 10606      | 12.6                  | -4.3                |                     |                   |                 |         |
|          | Q2750-05      | 10492      | 11.6                  | -6.3                |                     |                   |                 |         |
|          | Q2750-06      | 10321      | 12.2                  | -5.1                |                     |                   |                 | sy      |
|          | Q2750-07      | 10198      | 12.0                  | -5.5                |                     |                   |                 |         |
|          | Q2750-08      | 10315      | 11.8                  | -5.9                |                     |                   |                 |         |
|          | Q2750-09      | 10590      | 11.4                  | -6.7                |                     |                   |                 |         |
|          | Q2750-10      | 10153      | 10.0                  | -9.6                |                     |                   |                 |         |
| 08/07/05 | Q2794-01      | 10285      | 12.0                  | -5.5                |                     |                   |                 |         |
|          | Q2794-02      | 10333      | 12.2                  | -5.1                |                     |                   |                 | sy      |
|          |               |            |                       |                     |                     |                   |                 |         |

Order ID : Q2794

| Date       | Bottle ID | Lab Sample Number | InComing Vacuum | Canister ID | Can Size | Reg ID | Reg Size | Batch Code | Certification ID                                                                                               |
|------------|-----------|-------------------|-----------------|-------------|----------|--------|----------|------------|----------------------------------------------------------------------------------------------------------------|
| 08/07/2025 | B2507029  | Q2794-02          | -5.1            | 10333       | 6 L      | 10185  |          | C2505003   | VL042562.D<br>Seq : VL052125<br>TUNE : VL042555.D<br>ICAL : VL042551.D<br>CCAL : VL042556.D<br>MB : VL042557.D |
| 08/07/2025 | B2507029  | Q2794-01          | -5.5            | 10285       | 6 L      | 10707  |          | C2505004   | VL042600.D<br>Seq : VL052925<br>TUNE : VL042578.D<br>ICAL : VL042584.D<br>CCAL : VL042579.D<br>MB : VL042588.D |

# CHEMTECH

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

Client Sample ID #:

Client Name:

Project Name:

Date:

Time:

Analysis:

Comments:

CHEMTECH'S SAM

Date Received:

Storage Location: Air Lab

Sample: Q2794-02

Cust #: OA1

# CHEMTECH

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

Client Sample ID #:

Client Name:

Project Name:

Date:

Time:

Analysis:

Comments:

CHEMTECH'S SAMPLE

Date Received:

Storage Location: Air Lab

Sample: Q2794-01

Cust #: IA1