

## 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> | Q1363                    | <b>OrderDate:</b> | 2/13/2025 10:25:00 AM |
| <b>Client:</b>  | TechLaw Consultants, Inc | <b>Project:</b>   | REAC Commodore        |
| <b>Contact:</b> | Jonathan Dziekan         | <b>Location:</b>  | VOA Ref. #3 Water     |

| LabID           | ClientID                | Matrix       | Test          | Method   | Sample Date     | Prep Date | Anal Date | Received        |
|-----------------|-------------------------|--------------|---------------|----------|-----------------|-----------|-----------|-----------------|
| <b>Q1363-01</b> | <b>MW-30D-021125</b>    | <b>Water</b> | VOC-TCLVOA-10 | 8260-Low | <b>02/11/25</b> |           | 02/14/25  | <b>02/13/25</b> |
| <b>Q1363-02</b> | <b>EB-01-021125</b>     | <b>Water</b> | VOC-TCLVOA-10 | 8260-Low | <b>02/11/25</b> |           | 02/18/25  | <b>02/13/25</b> |
| <b>Q1363-03</b> | <b>TB-01-021125</b>     | <b>Water</b> | VOC-TCLVOA-10 | 8260-Low | <b>02/11/25</b> |           | 02/14/25  | <b>02/13/25</b> |
| <b>Q1363-04</b> | <b>MW-33D-021225</b>    | <b>Water</b> | VOC-TCLVOA-10 | 8260-Low | <b>02/12/25</b> |           | 02/14/25  | <b>02/13/25</b> |
| <b>Q1363-07</b> | <b>VFCC-2-021225</b>    | <b>Water</b> | VOC-TCLVOA-10 | 8260-Low | <b>02/12/25</b> |           | 02/14/25  | <b>02/13/25</b> |
| <b>Q1363-08</b> | <b>VFCC-3-021225</b>    | <b>Water</b> | VOC-TCLVOA-10 | 8260-Low | <b>02/12/25</b> |           | 02/14/25  | <b>02/13/25</b> |
| <b>Q1363-09</b> | <b>MW-33S-021225</b>    | <b>Water</b> | VOC-TCLVOA-10 | 8260-Low | <b>02/12/25</b> |           | 02/14/25  | <b>02/13/25</b> |
| <b>Q1363-10</b> | <b>MW-33S-FD-021225</b> | <b>Water</b> | VOC-TCLVOA-10 | 8260-Low | <b>02/12/25</b> |           | 02/14/25  | <b>02/13/25</b> |

### Hit Summary Sheet SW-846

SDG No.: Q1363

Client: TechLaw Consultants, Inc

| Sample ID         | Client ID            | Matrix | Parameter                      | Concentration | C | MDL  | RDL  | Units |
|-------------------|----------------------|--------|--------------------------------|---------------|---|------|------|-------|
| <b>Client ID:</b> | <b>MW-30D-021125</b> |        |                                |               |   |      |      |       |
| Q1363-01          | MW-30D-021125        | Water  | Dichlorodifluoromethane        | 14.8          |   | 0.21 | 1.00 | ug/L  |
| Q1363-01          | MW-30D-021125        | Water  | Trichlorofluoromethane         | 0.98          | J | 0.34 | 1.00 | ug/L  |
| Q1363-01          | MW-30D-021125        | Water  | 1,1,2-Trichlorotrifluoroethane | 9.10          |   | 0.25 | 1.00 | ug/L  |
| Q1363-01          | MW-30D-021125        | Water  | Acetone                        | 2.30          | J | 1.40 | 5.00 | ug/L  |
| Q1363-01          | MW-30D-021125        | Water  | Methyl Acetate                 | 1.20          |   | 0.60 | 1.00 | ug/L  |
| Q1363-01          | MW-30D-021125        | Water  | cis-1,2-Dichloroethene         | 5.60          |   | 0.25 | 1.00 | ug/L  |
| Q1363-01          | MW-30D-021125        | Water  | 1,1,1-Trichloroethane          | 1.50          |   | 0.19 | 1.00 | ug/L  |
| Q1363-01          | MW-30D-021125        | Water  | Trichloroethene                | 6.30          |   | 0.32 | 1.00 | ug/L  |
| Q1363-01          | MW-30D-021125        | Water  | Tetrachloroethene              | 15.6          |   | 0.25 | 1.00 | ug/L  |
|                   |                      |        | <b>Total Voc :</b>             | 57.4          |   |      |      |       |
|                   |                      |        | <b>Total Concentration:</b>    | 57.4          |   |      |      |       |
| <b>Client ID:</b> | <b>EB-01-021125</b>  |        |                                |               |   |      |      |       |
| Q1363-02          | EB-01-021125         | Water  | Acetone                        | 22.4          |   | 1.40 | 5.00 | ug/L  |
|                   |                      |        | <b>Total Voc :</b>             | 22.4          |   |      |      |       |
|                   |                      |        | <b>Total Concentration:</b>    | 22.4          |   |      |      |       |
| <b>Client ID:</b> | <b>MW-33D-021225</b> |        |                                |               |   |      |      |       |
| Q1363-04          | MW-33D-021225        | Water  | Dichlorodifluoromethane        | 8.10          |   | 0.21 | 1.00 | ug/L  |
| Q1363-04          | MW-33D-021225        | Water  | 1,1,2-Trichlorotrifluoroethane | 2.90          |   | 0.25 | 1.00 | ug/L  |
| Q1363-04          | MW-33D-021225        | Water  | Acetone                        | 1.90          | J | 1.40 | 5.00 | ug/L  |
| Q1363-04          | MW-33D-021225        | Water  | cis-1,2-Dichloroethene         | 2.00          |   | 0.25 | 1.00 | ug/L  |
| Q1363-04          | MW-33D-021225        | Water  | Trichloroethene                | 7.60          |   | 0.32 | 1.00 | ug/L  |
| Q1363-04          | MW-33D-021225        | Water  | Tetrachloroethene              | 2.60          |   | 0.25 | 1.00 | ug/L  |
|                   |                      |        | <b>Total Voc :</b>             | 25.1          |   |      |      |       |
|                   |                      |        | <b>Total Concentration:</b>    | 25.1          |   |      |      |       |
| <b>Client ID:</b> | <b>VFCC-2-021225</b> |        |                                |               |   |      |      |       |
| Q1363-07          | VFCC-2-021225        | Water  | 1,1,2-Trichlorotrifluoroethane | 0.78          | J | 0.25 | 1.00 | ug/L  |
| Q1363-07          | VFCC-2-021225        | Water  | 1,1-Dichloroethene             | 0.38          | J | 0.26 | 1.00 | ug/L  |
| Q1363-07          | VFCC-2-021225        | Water  | Acetone                        | 2.00          | J | 1.40 | 5.00 | ug/L  |
| Q1363-07          | VFCC-2-021225        | Water  | cis-1,2-Dichloroethene         | 3.10          |   | 0.25 | 1.00 | ug/L  |
| Q1363-07          | VFCC-2-021225        | Water  | Chloroform                     | 0.52          | J | 0.26 | 1.00 | ug/L  |
| Q1363-07          | VFCC-2-021225        | Water  | Trichloroethene                | 4.00          |   | 0.32 | 1.00 | ug/L  |
| Q1363-07          | VFCC-2-021225        | Water  | Tetrachloroethene              | 0.54          | J | 0.25 | 1.00 | ug/L  |
|                   |                      |        | <b>Total Voc :</b>             | 11.3          |   |      |      |       |
|                   |                      |        | <b>Total Concentration:</b>    | 11.3          |   |      |      |       |
| <b>Client ID:</b> | <b>VFCC-3-021225</b> |        |                                |               |   |      |      |       |
| Q1363-08          | VFCC-3-021225        | Water  | Dichlorodifluoromethane        | 7.20          |   | 0.21 | 1.00 | ug/L  |
| Q1363-08          | VFCC-3-021225        | Water  | 1,1,2-Trichlorotrifluoroethane | 26.6          |   | 0.25 | 1.00 | ug/L  |

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

**SDG No.:** Q1363

**Client:** TechLaw Consultants, Inc

| Sample ID                   | Client ID               | Matrix | Parameter                      | Concentration | C | MDL  | RDL  | Units |
|-----------------------------|-------------------------|--------|--------------------------------|---------------|---|------|------|-------|
| Q1363-08                    | VFCC-3-021225           | Water  | 1,1-Dichloroethene             | 1.20          |   | 0.26 | 1.00 | ug/L  |
| Q1363-08                    | VFCC-3-021225           | Water  | Acetone                        | 2.00          | J | 1.40 | 5.00 | ug/L  |
| Q1363-08                    | VFCC-3-021225           | Water  | cis-1,2-Dichloroethene         | 2.90          |   | 0.25 | 1.00 | ug/L  |
| Q1363-08                    | VFCC-3-021225           | Water  | Trichloroethene                | 11.1          |   | 0.32 | 1.00 | ug/L  |
| Q1363-08                    | VFCC-3-021225           | Water  | Tetrachloroethene              | 3.90          |   | 0.25 | 1.00 | ug/L  |
| <b>Total Voc :</b>          |                         |        |                                | <b>54.9</b>   |   |      |      |       |
| <b>Total Concentration:</b> |                         |        |                                | <b>54.9</b>   |   |      |      |       |
| <b>Client ID:</b>           | <b>MW-33S-021225</b>    |        |                                |               |   |      |      |       |
| Q1363-09                    | MW-33S-021225           | Water  | Dichlorodifluoromethane        | 2.80          |   | 0.21 | 1.00 | ug/L  |
| Q1363-09                    | MW-33S-021225           | Water  | 1,1,2-Trichlorotrifluoroethane | 4.20          |   | 0.25 | 1.00 | ug/L  |
| Q1363-09                    | MW-33S-021225           | Water  | Acetone                        | 1.90          | J | 1.40 | 5.00 | ug/L  |
| Q1363-09                    | MW-33S-021225           | Water  | cis-1,2-Dichloroethene         | 1.30          |   | 0.25 | 1.00 | ug/L  |
| Q1363-09                    | MW-33S-021225           | Water  | Trichloroethene                | 2.10          |   | 0.32 | 1.00 | ug/L  |
| Q1363-09                    | MW-33S-021225           | Water  | Tetrachloroethene              | 13.4          |   | 0.25 | 1.00 | ug/L  |
| <b>Total Voc :</b>          |                         |        |                                | <b>25.7</b>   |   |      |      |       |
| <b>Total Concentration:</b> |                         |        |                                | <b>25.7</b>   |   |      |      |       |
| <b>Client ID:</b>           | <b>MW-33S-FD-021225</b> |        |                                |               |   |      |      |       |
| Q1363-10                    | MW-33S-FD-02122         | Water  | Dichlorodifluoromethane        | 2.60          |   | 0.21 | 1.00 | ug/L  |
| Q1363-10                    | MW-33S-FD-02122         | Water  | Trichlorofluoromethane         | 0.86          | J | 0.34 | 1.00 | ug/L  |
| Q1363-10                    | MW-33S-FD-02122         | Water  | 1,1,2-Trichlorotrifluoroethane | 3.60          |   | 0.25 | 1.00 | ug/L  |
| Q1363-10                    | MW-33S-FD-02122         | Water  | Acetone                        | 1.70          | J | 1.40 | 5.00 | ug/L  |
| Q1363-10                    | MW-33S-FD-02122         | Water  | cis-1,2-Dichloroethene         | 1.30          |   | 0.25 | 1.00 | ug/L  |
| Q1363-10                    | MW-33S-FD-02122         | Water  | Trichloroethene                | 1.90          |   | 0.32 | 1.00 | ug/L  |
| Q1363-10                    | MW-33S-FD-02122         | Water  | Tetrachloroethene              | 13.1          |   | 0.25 | 1.00 | ug/L  |
| <b>Total Voc :</b>          |                         |        |                                | <b>25.1</b>   |   |      |      |       |
| <b>Total Concentration:</b> |                         |        |                                | <b>25.1</b>   |   |      |      |       |



# QC SUMMARY

## Surrogate Summary

SDG No.: **Q1363**

Client: **TechLaw Consultants, Inc**

Analytical Method: **SW8260-Low**

| Lab Sample ID | Client ID        | Parameter             | Spike | Result | RecoveryQual | Limits |      |
|---------------|------------------|-----------------------|-------|--------|--------------|--------|------|
|               |                  |                       |       |        |              | Low    | High |
| Q1363-01      | MW-30D-021125    | 1,2-Dichloroethane-d4 | 50    | 55.8   | 112          | 74     | 125  |
|               |                  | Dibromofluoromethane  | 50    | 51.6   | 103          | 75     | 124  |
|               |                  | Toluene-d8            | 50    | 50.5   | 101          | 86     | 113  |
|               |                  | 4-Bromofluorobenzene  | 50    | 49.1   | 98           | 77     | 121  |
| Q1363-02      | EB-01-021125     | 1,2-Dichloroethane-d4 | 50    | 54.7   | 109          | 74     | 125  |
|               |                  | Dibromofluoromethane  | 50    | 51.6   | 103          | 75     | 124  |
|               |                  | Toluene-d8            | 50    | 50.8   | 102          | 86     | 113  |
|               |                  | 4-Bromofluorobenzene  | 50    | 51.8   | 104          | 77     | 121  |
| Q1363-03      | TB-01-021125     | 1,2-Dichloroethane-d4 | 50    | 58.0   | 116          | 74     | 125  |
|               |                  | Dibromofluoromethane  | 50    | 53.2   | 106          | 75     | 124  |
|               |                  | Toluene-d8            | 50    | 51.7   | 103          | 86     | 113  |
|               |                  | 4-Bromofluorobenzene  | 50    | 55.6   | 111          | 77     | 121  |
| Q1363-04      | MW-33D-021225    | 1,2-Dichloroethane-d4 | 50    | 58.8   | 118          | 74     | 125  |
|               |                  | Dibromofluoromethane  | 50    | 52.6   | 105          | 75     | 124  |
|               |                  | Toluene-d8            | 50    | 51.0   | 102          | 86     | 113  |
|               |                  | 4-Bromofluorobenzene  | 50    | 54.1   | 108          | 77     | 121  |
| Q1363-05MS    | MW-33D-021225MS  | 1,2-Dichloroethane-d4 | 50    | 54.9   | 110          | 74     | 125  |
|               |                  | Dibromofluoromethane  | 50    | 51.3   | 103          | 75     | 124  |
|               |                  | Toluene-d8            | 50    | 50.5   | 101          | 86     | 113  |
|               |                  | 4-Bromofluorobenzene  | 50    | 55.7   | 111          | 77     | 121  |
| Q1363-06MSD   | MW-33D-021225MSD | 1,2-Dichloroethane-d4 | 50    | 57.8   | 116          | 74     | 125  |
|               |                  | Dibromofluoromethane  | 50    | 55.6   | 111          | 75     | 124  |
|               |                  | Toluene-d8            | 50    | 54.5   | 109          | 86     | 113  |
|               |                  | 4-Bromofluorobenzene  | 50    | 58.5   | 117          | 77     | 121  |
| Q1363-07      | VFCC-2-021225    | 1,2-Dichloroethane-d4 | 50    | 57.9   | 116          | 74     | 125  |
|               |                  | Dibromofluoromethane  | 50    | 51.9   | 104          | 75     | 124  |
|               |                  | Toluene-d8            | 50    | 51.3   | 102          | 86     | 113  |
|               |                  | 4-Bromofluorobenzene  | 50    | 54.5   | 109          | 77     | 121  |
| Q1363-08      | VFCC-3-021225    | 1,2-Dichloroethane-d4 | 50    | 57.3   | 115          | 74     | 125  |
|               |                  | Dibromofluoromethane  | 50    | 52.2   | 104          | 75     | 124  |
|               |                  | Toluene-d8            | 50    | 50.3   | 101          | 86     | 113  |
|               |                  | 4-Bromofluorobenzene  | 50    | 52.8   | 106          | 77     | 121  |
| Q1363-09      | MW-33S-021225    | 1,2-Dichloroethane-d4 | 50    | 57.3   | 115          | 74     | 125  |
|               |                  | Dibromofluoromethane  | 50    | 51.8   | 104          | 75     | 124  |
|               |                  | Toluene-d8            | 50    | 50.6   | 101          | 86     | 113  |
|               |                  | 4-Bromofluorobenzene  | 50    | 55.2   | 110          | 77     | 121  |
| Q1363-10      | MW-33S-FD-021225 | 1,2-Dichloroethane-d4 | 50    | 57.9   | 116          | 74     | 125  |
|               |                  | Dibromofluoromethane  | 50    | 53.4   | 107          | 75     | 124  |
|               |                  | Toluene-d8            | 50    | 52.0   | 104          | 86     | 113  |
|               |                  | 4-Bromofluorobenzene  | 50    | 57.0   | 114          | 77     | 121  |
| VX0214WBL01   | VX0214WBL01      | 1,2-Dichloroethane-d4 | 50    | 55.2   | 110          | 74     | 125  |
|               |                  | Dibromofluoromethane  | 50    | 51.7   | 103          | 75     | 124  |
|               |                  | Toluene-d8            | 50    | 50.7   | 101          | 86     | 113  |
|               |                  | 4-Bromofluorobenzene  | 50    | 50.5   | 101          | 77     | 121  |
| VX0214WBS01   | VX0214WBS01      | 1,2-Dichloroethane-d4 | 50    | 50.7   | 101          | 74     | 125  |
|               |                  | Dibromofluoromethane  | 50    | 51.1   | 102          | 75     | 124  |
|               |                  | Toluene-d8            | 50    | 49.7   | 99           | 86     | 113  |
|               |                  | 4-Bromofluorobenzene  | 50    | 51.5   | 103          | 77     | 121  |
| VX0218WBL01   | VX0218WBL01      | 1,2-Dichloroethane-d4 | 50    | 56.9   | 114          | 74     | 125  |
|               |                  | Dibromofluoromethane  | 50    | 52.7   | 105          | 75     | 124  |

### Surrogate Summary

SDG No.: Q1363

Client: TechLaw Consultants, Inc

Analytical Method: SW8260-Low

| Lab Sample ID | Client ID   | Parameter             | Spike | Result | RecoveryQual | Limits |      |
|---------------|-------------|-----------------------|-------|--------|--------------|--------|------|
|               |             |                       |       |        |              | Low    | High |
| VX0218WBL01   | VX0218WBL01 | Toluene-d8            | 50    | 51.9   | 104          | 86     | 113  |
|               |             | 4-Bromofluorobenzene  | 50    | 56.4   | 113          | 77     | 121  |
| VX0218WBS01   | VX0218WBS01 | 1,2-Dichloroethane-d4 | 50    | 54.5   | 109          | 74     | 125  |
|               |             | Dibromofluoromethane  | 50    | 53.7   | 107          | 75     | 124  |
|               |             | Toluene-d8            | 50    | 51.8   | 104          | 86     | 113  |
|               |             | 4-Bromofluorobenzene  | 50    | 54.3   | 108          | 77     | 121  |

### Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1363

Client: TechLaw Consultants, Inc

Analytical Method: SW8260-Low

| Parameter                      | Spike      | Sample Result      | Result          | Units | Rec |      |     | RPD  |            | Limits     |     |
|--------------------------------|------------|--------------------|-----------------|-------|-----|------|-----|------|------------|------------|-----|
|                                |            |                    |                 |       | Rec | Qual | RPD | Qual | Low        | High       | RPD |
| Lab Sample ID :                | Q1363-05MS | Client Sample ID : | MW-33D-021225MS |       |     |      |     |      | Datafile : | VX044972.D |     |
| Dichlorodifluoromethane        | 50         | 8.10               | 55.2            | ug/L  | 94  |      |     |      | 73         | 120        |     |
| Chloromethane                  | 50         | 0                  | 48.4            | ug/L  | 97  |      |     |      | 58         | 133        |     |
| Vinyl chloride                 | 50         | 0                  | 46.8            | ug/L  | 94  |      |     |      | 69         | 125        |     |
| Bromomethane                   | 50         | 0                  | 66.7            | ug/L  | 133 |      |     |      | 28         | 165        |     |
| Chloroethane                   | 50         | 0                  | 81.7            | ug/L  | 163 | *    |     |      | 70         | 141        |     |
| Trichlorofluoromethane         | 50         | 0                  | 51.1            | ug/L  | 102 |      |     |      | 72         | 124        |     |
| 1,1,2-Trichlorotrifluoroethane | 50         | 2.90               | 52.5            | ug/L  | 99  |      |     |      | 75         | 117        |     |
| 1,1-Dichloroethene             | 50         | 0                  | 47.8            | ug/L  | 96  |      |     |      | 53         | 162        |     |
| Acetone                        | 250        | 1.90               | 290             | ug/L  | 115 |      |     |      | 44         | 150        |     |
| Carbon disulfide               | 50         | 0                  | 44.1            | ug/L  | 88  |      |     |      | 44         | 135        |     |
| Methyl tert-butyl Ether        | 50         | 0                  | 50.3            | ug/L  | 101 |      |     |      | 82         | 133        |     |
| Methyl Acetate                 | 50         | 0                  | 53.1            | ug/L  | 106 |      |     |      | 76         | 138        |     |
| Methylene Chloride             | 50         | 0                  | 48.9            | ug/L  | 98  |      |     |      | 79         | 115        |     |
| trans-1,2-Dichloroethene       | 50         | 0                  | 49.6            | ug/L  | 99  |      |     |      | 76         | 118        |     |
| 1,1-Dichloroethane             | 50         | 0                  | 50.3            | ug/L  | 101 |      |     |      | 78         | 122        |     |
| Cyclohexane                    | 50         | 0                  | 47.2            | ug/L  | 94  |      |     |      | 71         | 119        |     |
| 2-Butanone                     | 250        | 0                  | 290             | ug/L  | 116 |      |     |      | 67         | 137        |     |
| Carbon Tetrachloride           | 50         | 0                  | 49.5            | ug/L  | 99  |      |     |      | 66         | 133        |     |
| cis-1,2-Dichloroethene         | 50         | 2.00               | 50.7            | ug/L  | 97  |      |     |      | 82         | 124        |     |
| Bromochloromethane             | 50         | 0                  | 54.5            | ug/L  | 109 |      |     |      | 72         | 130        |     |
| Chloroform                     | 50         | 0                  | 51.3            | ug/L  | 103 |      |     |      | 83         | 119        |     |
| 1,1,1-Trichloroethane          | 50         | 0                  | 50.7            | ug/L  | 101 |      |     |      | 83         | 117        |     |
| Methylcyclohexane              | 50         | 0                  | 47.3            | ug/L  | 95  |      |     |      | 64         | 120        |     |
| Benzene                        | 50         | 0                  | 48.2            | ug/L  | 96  |      |     |      | 81         | 128        |     |
| 1,2-Dichloroethane             | 50         | 0                  | 52.6            | ug/L  | 105 |      |     |      | 76         | 120        |     |
| Trichloroethene                | 50         | 7.60               | 55.7            | ug/L  | 96  |      |     |      | 28         | 175        |     |
| 1,2-Dichloropropane            | 50         | 0                  | 48.9            | ug/L  | 98  |      |     |      | 85         | 116        |     |
| Bromodichloromethane           | 50         | 0                  | 51.7            | ug/L  | 103 |      |     |      | 54         | 157        |     |
| 4-Methyl-2-Pentanone           | 250        | 0                  | 280             | ug/L  | 112 |      |     |      | 72         | 137        |     |
| Toluene                        | 50         | 0                  | 49.3            | ug/L  | 99  |      |     |      | 85         | 115        |     |
| t-1,3-Dichloropropene          | 50         | 0                  | 47.3            | ug/L  | 95  |      |     |      | 60         | 141        |     |
| cis-1,3-Dichloropropene        | 50         | 0                  | 48.5            | ug/L  | 97  |      |     |      | 36         | 161        |     |
| 1,1,2-Trichloroethane          | 50         | 0                  | 51.5            | ug/L  | 103 |      |     |      | 27         | 175        |     |
| 2-Hexanone                     | 250        | 0                  | 290             | ug/L  | 116 |      |     |      | 75         | 131        |     |
| Dibromochloromethane           | 50         | 0                  | 52.0            | ug/L  | 104 |      |     |      | 59         | 164        |     |
| 1,2-Dibromoethane              | 50         | 0                  | 50.1            | ug/L  | 100 |      |     |      | 85         | 119        |     |
| Tetrachloroethene              | 50         | 2.60               | 47.8            | ug/L  | 90  |      |     |      | 48         | 153        |     |
| Chlorobenzene                  | 50         | 0                  | 46.9            | ug/L  | 94  |      |     |      | 85         | 114        |     |
| Ethyl Benzene                  | 50         | 0                  | 47.2            | ug/L  | 94  |      |     |      | 81         | 128        |     |
| m/p-Xylenes                    | 100        | 0                  | 94.1            | ug/L  | 94  |      |     |      | 69         | 129        |     |
| o-Xylene                       | 50         | 0                  | 46.9            | ug/L  | 94  |      |     |      | 75         | 127        |     |
| Styrene                        | 50         | 0                  | 49.5            | ug/L  | 99  |      |     |      | 84         | 128        |     |
| Bromoform                      | 50         | 0                  | 49.9            | ug/L  | 100 |      |     |      | 73         | 147        |     |
| Isopropylbenzene               | 50         | 0                  | 44.1            | ug/L  | 88  |      |     |      | 76         | 121        |     |
| 1,1,2,2-Tetrachloroethane      | 50         | 0                  | 45.0            | ug/L  | 90  |      |     |      | 81         | 131        |     |

**Matrix Spike/Matrix Spike Duplicate Summary**

**SW-846**

**SDG No.:** Q1363

**Client:** TechLaw Consultants, Inc

**Analytical Method:** SW8260-Low

| Parameter                   | Spike | Sample | Result | Units | Rec |      |     | RPD  | Limits |      |     |
|-----------------------------|-------|--------|--------|-------|-----|------|-----|------|--------|------|-----|
|                             |       | Result |        |       | Rec | Qual | RPD | Qual | Low    | High | RPD |
| 1,3-Dichlorobenzene         | 50    | 0      | 45.4   | ug/L  | 91  |      |     |      | 84     | 110  |     |
| 1,4-Dichlorobenzene         | 50    | 0      | 45.0   | ug/L  | 90  |      |     |      | 81     | 111  |     |
| 1,2-Dichlorobenzene         | 50    | 0      | 45.6   | ug/L  | 91  |      |     |      | 82     | 113  |     |
| 1,2-Dibromo-3-Chloropropane | 50    | 0      | 47.6   | ug/L  | 95  |      |     |      | 79     | 137  |     |
| 1,2,4-Trichlorobenzene      | 50    | 0      | 46.9   | ug/L  | 94  |      |     |      | 73     | 120  |     |
| 1,2,3-Trichlorobenzene      | 50    | 0      | 45.0   | ug/L  | 90  |      |     |      | 75     | 119  |     |

### Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1363

Client: TechLaw Consultants, Inc

Analytical Method: SW8260-Low

| Parameter                      | Spike       | Sample Result      | Result           | Units | Rec |      | RPD | RPD        |            | Limits |     |
|--------------------------------|-------------|--------------------|------------------|-------|-----|------|-----|------------|------------|--------|-----|
|                                |             |                    |                  |       | Rec | Qual |     | Qual       | Low        | High   | RPD |
| Lab Sample ID :                | Q1363-06MSD | Client Sample ID : | MW-33D-021225MSD |       |     |      |     | Datafile : | VX044973.D |        |     |
| Dichlorodifluoromethane        | 50          | 8.10               | 60.7             | ug/L  | 105 |      | 11  |            | 73         | 120    | 20  |
| Chloromethane                  | 50          | 0                  | 52.3             | ug/L  | 105 |      | 8   |            | 58         | 133    | 20  |
| Vinyl chloride                 | 50          | 0                  | 50.8             | ug/L  | 102 |      | 8   |            | 69         | 125    | 20  |
| Bromomethane                   | 50          | 0                  | 75.4             | ug/L  | 151 |      | 12  |            | 28         | 165    | 20  |
| Chloroethane                   | 50          | 0                  | 99.8             | ug/L  | 200 | *    | 20  |            | 70         | 141    | 20  |
| Trichlorofluoromethane         | 50          | 0                  | 56.7             | ug/L  | 113 |      | 10  |            | 72         | 124    | 20  |
| 1,1,2-Trichlorotrifluoroethane | 50          | 2.90               | 57.4             | ug/L  | 109 |      | 10  |            | 75         | 117    | 20  |
| 1,1-Dichloroethene             | 50          | 0                  | 53.2             | ug/L  | 106 |      | 11  |            | 53         | 162    | 20  |
| Acetone                        | 250         | 1.90               | 320              | ug/L  | 127 |      | 10  |            | 44         | 150    | 20  |
| Carbon disulfide               | 50          | 0                  | 50.8             | ug/L  | 102 |      | 14  |            | 44         | 135    | 20  |
| Methyl tert-butyl Ether        | 50          | 0                  | 56.3             | ug/L  | 113 |      | 11  |            | 82         | 133    | 20  |
| Methyl Acetate                 | 50          | 0                  | 59.9             | ug/L  | 120 |      | 12  |            | 76         | 138    | 20  |
| Methylene Chloride             | 50          | 0                  | 55.1             | ug/L  | 110 |      | 12  |            | 79         | 115    | 20  |
| trans-1,2-Dichloroethene       | 50          | 0                  | 55.0             | ug/L  | 110 |      | 10  |            | 76         | 118    | 20  |
| 1,1-Dichloroethane             | 50          | 0                  | 55.8             | ug/L  | 112 |      | 10  |            | 78         | 122    | 20  |
| Cyclohexane                    | 50          | 0                  | 52.5             | ug/L  | 105 |      | 11  |            | 71         | 119    | 20  |
| 2-Butanone                     | 250         | 0                  | 320              | ug/L  | 128 |      | 10  |            | 67         | 137    | 20  |
| Carbon Tetrachloride           | 50          | 0                  | 55.5             | ug/L  | 111 |      | 11  |            | 66         | 133    | 20  |
| cis-1,2-Dichloroethene         | 50          | 2.00               | 58.3             | ug/L  | 113 |      | 15  |            | 82         | 124    | 20  |
| Bromochloromethane             | 50          | 0                  | 59.1             | ug/L  | 118 |      | 8   |            | 72         | 130    | 20  |
| Chloroform                     | 50          | 0                  | 57.4             | ug/L  | 115 |      | 11  |            | 83         | 119    | 20  |
| 1,1,1-Trichloroethane          | 50          | 0                  | 57.3             | ug/L  | 115 |      | 12  |            | 83         | 117    | 20  |
| Methylcyclohexane              | 50          | 0                  | 53.2             | ug/L  | 106 |      | 12  |            | 64         | 120    | 20  |
| Benzene                        | 50          | 0                  | 54.8             | ug/L  | 110 |      | 13  |            | 81         | 128    | 20  |
| 1,2-Dichloroethane             | 50          | 0                  | 59.3             | ug/L  | 119 |      | 12  |            | 76         | 120    | 20  |
| Trichloroethene                | 50          | 7.60               | 62.2             | ug/L  | 109 |      | 13  |            | 28         | 175    | 20  |
| 1,2-Dichloropropane            | 50          | 0                  | 56.3             | ug/L  | 113 |      | 14  |            | 85         | 116    | 20  |
| Bromodichloromethane           | 50          | 0                  | 58.7             | ug/L  | 117 |      | 13  |            | 54         | 157    | 20  |
| 4-Methyl-2-Pentanone           | 250         | 0                  | 320              | ug/L  | 128 |      | 13  |            | 72         | 137    | 20  |
| Toluene                        | 50          | 0                  | 56.0             | ug/L  | 112 |      | 13  |            | 85         | 115    | 20  |
| t-1,3-Dichloropropene          | 50          | 0                  | 56.5             | ug/L  | 113 |      | 18  |            | 60         | 141    | 20  |
| cis-1,3-Dichloropropene        | 50          | 0                  | 55.8             | ug/L  | 112 |      | 14  |            | 36         | 161    | 20  |
| 1,1,2-Trichloroethane          | 50          | 0                  | 58.2             | ug/L  | 116 |      | 12  |            | 27         | 175    | 20  |
| 2-Hexanone                     | 250         | 0                  | 330              | ug/L  | 132 | *    | 13  |            | 75         | 131    | 20  |
| Dibromochloromethane           | 50          | 0                  | 59.8             | ug/L  | 120 |      | 14  |            | 59         | 164    | 20  |
| 1,2-Dibromoethane              | 50          | 0                  | 57.8             | ug/L  | 116 |      | 14  |            | 85         | 119    | 20  |
| Tetrachloroethene              | 50          | 2.60               | 54.8             | ug/L  | 104 |      | 14  |            | 48         | 153    | 20  |
| Chlorobenzene                  | 50          | 0                  | 54.0             | ug/L  | 108 |      | 14  |            | 85         | 114    | 20  |
| Ethyl Benzene                  | 50          | 0                  | 54.2             | ug/L  | 108 |      | 14  |            | 81         | 128    | 20  |
| m/p-Xylenes                    | 100         | 0                  | 110              | ug/L  | 110 |      | 16  |            | 69         | 129    | 20  |
| o-Xylene                       | 50          | 0                  | 52.3             | ug/L  | 105 |      | 11  |            | 75         | 127    | 20  |
| Styrene                        | 50          | 0                  | 56.6             | ug/L  | 113 |      | 13  |            | 84         | 128    | 20  |
| Bromoform                      | 50          | 0                  | 57.2             | ug/L  | 114 |      | 14  |            | 73         | 147    | 20  |
| Isopropylbenzene               | 50          | 0                  | 50.1             | ug/L  | 100 |      | 13  |            | 76         | 121    | 20  |
| 1,1,2,2-Tetrachloroethane      | 50          | 0                  | 51.4             | ug/L  | 103 |      | 13  |            | 81         | 131    | 20  |

# Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q1363

Client: TechLaw Consultants, Inc

Analytical Method: SW8260-Low

| Parameter                   | Spike | Sample | Result | Units | Rec  |     |      | RPD | Limits |     |    |
|-----------------------------|-------|--------|--------|-------|------|-----|------|-----|--------|-----|----|
|                             |       | Result |        |       | Qual | RPD | Qual | Low | High   | RPD |    |
| 1,3-Dichlorobenzene         | 50    | 0      | 51.4   | ug/L  | 103  |     | 12   |     | 84     | 110 | 20 |
| 1,4-Dichlorobenzene         | 50    | 0      | 51.7   | ug/L  | 103  |     | 14   |     | 81     | 111 | 20 |
| 1,2-Dichlorobenzene         | 50    | 0      | 52.4   | ug/L  | 105  |     | 14   |     | 82     | 113 | 20 |
| 1,2-Dibromo-3-Chloropropane | 50    | 0      | 56.5   | ug/L  | 113  |     | 17   |     | 79     | 137 | 20 |
| 1,2,4-Trichlorobenzene      | 50    | 0      | 54.6   | ug/L  | 109  |     | 15   |     | 73     | 120 | 20 |
| 1,2,3-Trichlorobenzene      | 50    | 0      | 54.8   | ug/L  | 110  |     | 20   |     | 75     | 119 | 20 |

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1363

Client: TechLaw Consultants, Inc

Analytical Method: SW8260-Low

Datafile : VX044951.D

| Lab Sample ID | Parameter                      | Spike | Result | Unit | Rec | RPD | Qual | Low | Limits<br>High | RPD |
|---------------|--------------------------------|-------|--------|------|-----|-----|------|-----|----------------|-----|
| VX0214WBS01   | Dichlorodifluoromethane        | 20    | 19.9   | ug/L | 100 |     |      | 69  | 116            |     |
|               | Chloromethane                  | 20    | 19.3   | ug/L | 97  |     |      | 65  | 116            |     |
|               | Vinyl chloride                 | 20    | 18.3   | ug/L | 92  |     |      | 65  | 117            |     |
|               | Bromomethane                   | 20    | 23.4   | ug/L | 117 |     |      | 58  | 125            |     |
|               | Chloroethane                   | 20    | 24.1   | ug/L | 121 |     |      | 56  | 128            |     |
|               | Trichlorofluoromethane         | 20    | 20.2   | ug/L | 101 |     |      | 73  | 115            |     |
|               | 1,1,2-Trichlorotrifluoroethane | 20    | 19.7   | ug/L | 99  |     |      | 80  | 112            |     |
|               | 1,1-Dichloroethene             | 20    | 18.9   | ug/L | 95  |     |      | 74  | 110            |     |
|               | Acetone                        | 100   | 110    | ug/L | 110 |     |      | 60  | 125            |     |
|               | Carbon disulfide               | 20    | 17.0   | ug/L | 85  |     |      | 64  | 112            |     |
|               | Methyl tert-butyl Ether        | 20    | 19.7   | ug/L | 99  |     |      | 78  | 114            |     |
|               | Methyl Acetate                 | 20    | 21.5   | ug/L | 108 |     |      | 67  | 125            |     |
|               | Methylene Chloride             | 20    | 19.3   | ug/L | 97  |     |      | 72  | 114            |     |
|               | trans-1,2-Dichloroethene       | 20    | 18.7   | ug/L | 94  |     |      | 75  | 108            |     |
|               | 1,1-Dichloroethane             | 20    | 20.0   | ug/L | 100 |     |      | 78  | 112            |     |
|               | Cyclohexane                    | 20    | 18.9   | ug/L | 95  |     |      | 75  | 110            |     |
|               | 2-Butanone                     | 100   | 110    | ug/L | 110 |     |      | 65  | 122            |     |
|               | Carbon Tetrachloride           | 20    | 20.2   | ug/L | 101 |     |      | 77  | 113            |     |
|               | cis-1,2-Dichloroethene         | 20    | 19.8   | ug/L | 99  |     |      | 77  | 110            |     |
|               | Bromochloromethane             | 20    | 17.9   | ug/L | 90  |     |      | 70  | 124            |     |
|               | Chloroform                     | 20    | 20.6   | ug/L | 103 |     |      | 79  | 113            |     |
|               | 1,1,1-Trichloroethane          | 20    | 19.6   | ug/L | 98  |     |      | 80  | 108            |     |
|               | Methylcyclohexane              | 20    | 19.8   | ug/L | 99  |     |      | 72  | 115            |     |
|               | Benzene                        | 20    | 20.0   | ug/L | 100 |     |      | 82  | 109            |     |
|               | 1,2-Dichloroethane             | 20    | 21.8   | ug/L | 109 |     |      | 80  | 115            |     |
|               | Trichloroethene                | 20    | 19.8   | ug/L | 99  |     |      | 77  | 113            |     |
|               | 1,2-Dichloropropane            | 20    | 20.1   | ug/L | 101 |     |      | 83  | 111            |     |
|               | Bromodichloromethane           | 20    | 20.9   | ug/L | 104 |     |      | 83  | 110            |     |
|               | 4-Methyl-2-Pentanone           | 100   | 110    | ug/L | 110 |     |      | 74  | 118            |     |
|               | Toluene                        | 20    | 20.4   | ug/L | 102 |     |      | 82  | 110            |     |
|               | t-1,3-Dichloropropene          | 20    | 19.2   | ug/L | 96  |     |      | 79  | 110            |     |
|               | cis-1,3-Dichloropropene        | 20    | 20.1   | ug/L | 101 |     |      | 82  | 110            |     |
|               | 1,1,2-Trichloroethane          | 20    | 21.2   | ug/L | 106 |     |      | 83  | 112            |     |
|               | 2-Hexanone                     | 100   | 120    | ug/L | 120 |     | *    | 73  | 117            |     |
|               | Dibromochloromethane           | 20    | 20.7   | ug/L | 104 |     |      | 82  | 110            |     |
|               | 1,2-Dibromoethane              | 20    | 21.2   | ug/L | 106 |     |      | 81  | 110            |     |
|               | Tetrachloroethene              | 20    | 21.0   | ug/L | 105 |     |      | 67  | 123            |     |
|               | Chlorobenzene                  | 20    | 20.2   | ug/L | 101 |     |      | 82  | 109            |     |
|               | Ethyl Benzene                  | 20    | 20.2   | ug/L | 101 |     |      | 83  | 109            |     |
|               | m/p-Xylenes                    | 40    | 41.1   | ug/L | 103 |     |      | 82  | 110            |     |
|               | o-Xylene                       | 20    | 20.2   | ug/L | 101 |     |      | 83  | 109            |     |
|               | Styrene                        | 20    | 21.0   | ug/L | 105 |     |      | 80  | 111            |     |
|               | Bromoform                      | 20    | 20.8   | ug/L | 104 |     |      | 79  | 109            |     |
|               | Isopropylbenzene               | 20    | 19.3   | ug/L | 97  |     |      | 83  | 112            |     |
|               | 1,1,2,2-Tetrachloroethane      | 20    | 20.0   | ug/L | 100 |     |      | 76  | 118            |     |
|               | 1,3-Dichlorobenzene            | 20    | 19.7   | ug/L | 99  |     |      | 82  | 108            |     |
|               | 1,4-Dichlorobenzene            | 20    | 19.7   | ug/L | 99  |     |      | 82  | 107            |     |
|               | 1,2-Dichlorobenzene            | 20    | 20.7   | ug/L | 104 |     |      | 82  | 109            |     |

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

**SW-846**

**SDG No.:** Q1363

**Client:** TechLaw Consultants, Inc

**Analytical Method:** SW8260-Low

**Datafile :** VX044951.D

| Lab Sample ID | Parameter                   | Spike | Result | Unit | Rec | RPD | Qual | Low | Limits<br>High | RPD |
|---------------|-----------------------------|-------|--------|------|-----|-----|------|-----|----------------|-----|
| VX0214WBS01   | 1,2-Dibromo-3-Chloropropane | 20    | 20.5   | ug/L | 103 |     |      | 68  | 112            |     |
|               | 1,2,4-Trichlorobenzene      | 20    | 19.6   | ug/L | 98  |     |      | 75  | 113            |     |
|               | 1,2,3-Trichlorobenzene      | 20    | 20.1   | ug/L | 101 |     |      | 76  | 114            |     |

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1363

Client: TechLaw Consultants, Inc

Analytical Method: SW8260-Low

Datafile : VX044979.D

| Lab Sample ID | Parameter                      | Spike | Result | Unit | Rec | RPD | Qual | Low | Limits<br>High | RPD |
|---------------|--------------------------------|-------|--------|------|-----|-----|------|-----|----------------|-----|
| VX0218WBS01   | Dichlorodifluoromethane        | 20    | 19.1   | ug/L | 96  |     |      | 69  | 116            |     |
|               | Chloromethane                  | 20    | 18.9   | ug/L | 95  |     |      | 65  | 116            |     |
|               | Vinyl chloride                 | 20    | 18.8   | ug/L | 94  |     |      | 65  | 117            |     |
|               | Bromomethane                   | 20    | 30.4   | ug/L | 152 |     | *    | 58  | 125            |     |
|               | Chloroethane                   | 20    | 27.2   | ug/L | 136 |     | *    | 56  | 128            |     |
|               | Trichlorofluoromethane         | 20    | 20.7   | ug/L | 104 |     |      | 73  | 115            |     |
|               | 1,1,2-Trichlorotrifluoroethane | 20    | 20.4   | ug/L | 102 |     |      | 80  | 112            |     |
|               | 1,1-Dichloroethene             | 20    | 19.6   | ug/L | 98  |     |      | 74  | 110            |     |
|               | Acetone                        | 100   | 110    | ug/L | 110 |     |      | 60  | 125            |     |
|               | Carbon disulfide               | 20    | 18.8   | ug/L | 94  |     |      | 64  | 112            |     |
|               | Methyl tert-butyl Ether        | 20    | 20.3   | ug/L | 102 |     |      | 78  | 114            |     |
|               | Methyl Acetate                 | 20    | 21.8   | ug/L | 109 |     |      | 67  | 125            |     |
|               | Methylene Chloride             | 20    | 20.0   | ug/L | 100 |     |      | 72  | 114            |     |
|               | trans-1,2-Dichloroethene       | 20    | 20.3   | ug/L | 102 |     |      | 75  | 108            |     |
|               | 1,1-Dichloroethane             | 20    | 20.2   | ug/L | 101 |     |      | 78  | 112            |     |
|               | Cyclohexane                    | 20    | 19.5   | ug/L | 98  |     |      | 75  | 110            |     |
|               | 2-Butanone                     | 100   | 110    | ug/L | 110 |     |      | 65  | 122            |     |
|               | Carbon Tetrachloride           | 20    | 20.6   | ug/L | 103 |     |      | 77  | 113            |     |
|               | cis-1,2-Dichloroethene         | 20    | 20.1   | ug/L | 101 |     |      | 77  | 110            |     |
|               | Bromochloromethane             | 20    | 21.5   | ug/L | 108 |     |      | 70  | 124            |     |
|               | Chloroform                     | 20    | 20.6   | ug/L | 103 |     |      | 79  | 113            |     |
|               | 1,1,1-Trichloroethane          | 20    | 20.4   | ug/L | 102 |     |      | 80  | 108            |     |
|               | Methylcyclohexane              | 20    | 20.0   | ug/L | 100 |     |      | 72  | 115            |     |
|               | Benzene                        | 20    | 19.9   | ug/L | 100 |     |      | 82  | 109            |     |
|               | 1,2-Dichloroethane             | 20    | 21.3   | ug/L | 106 |     |      | 80  | 115            |     |
|               | Trichloroethene                | 20    | 20.2   | ug/L | 101 |     |      | 77  | 113            |     |
|               | 1,2-Dichloropropane            | 20    | 20.3   | ug/L | 102 |     |      | 83  | 111            |     |
|               | Bromodichloromethane           | 20    | 21.5   | ug/L | 108 |     |      | 83  | 110            |     |
|               | 4-Methyl-2-Pentanone           | 100   | 110    | ug/L | 110 |     |      | 74  | 118            |     |
|               | Toluene                        | 20    | 20.5   | ug/L | 103 |     |      | 82  | 110            |     |
|               | t-1,3-Dichloropropene          | 20    | 19.6   | ug/L | 98  |     |      | 79  | 110            |     |
|               | cis-1,3-Dichloropropene        | 20    | 20.5   | ug/L | 103 |     |      | 82  | 110            |     |
|               | 1,1,2-Trichloroethane          | 20    | 20.6   | ug/L | 103 |     |      | 83  | 112            |     |
|               | 2-Hexanone                     | 100   | 110    | ug/L | 110 |     |      | 73  | 117            |     |
|               | Dibromochloromethane           | 20    | 21.3   | ug/L | 106 |     |      | 82  | 110            |     |
|               | 1,2-Dibromoethane              | 20    | 20.5   | ug/L | 103 |     |      | 81  | 110            |     |
|               | Tetrachloroethene              | 20    | 21.0   | ug/L | 105 |     |      | 67  | 123            |     |
|               | Chlorobenzene                  | 20    | 20.6   | ug/L | 103 |     |      | 82  | 109            |     |
|               | Ethyl Benzene                  | 20    | 20.1   | ug/L | 101 |     |      | 83  | 109            |     |
|               | m/p-Xylenes                    | 40    | 40.9   | ug/L | 102 |     |      | 82  | 110            |     |
|               | o-Xylene                       | 20    | 20.3   | ug/L | 102 |     |      | 83  | 109            |     |
|               | Styrene                        | 20    | 21.0   | ug/L | 105 |     |      | 80  | 111            |     |
|               | Bromoform                      | 20    | 21.4   | ug/L | 107 |     |      | 79  | 109            |     |
|               | Isopropylbenzene               | 20    | 19.4   | ug/L | 97  |     |      | 83  | 112            |     |
|               | 1,1,2,2-Tetrachloroethane      | 20    | 19.2   | ug/L | 96  |     |      | 76  | 118            |     |
|               | 1,3-Dichlorobenzene            | 20    | 20.2   | ug/L | 101 |     |      | 82  | 108            |     |
|               | 1,4-Dichlorobenzene            | 20    | 20.0   | ug/L | 100 |     |      | 82  | 107            |     |
|               | 1,2-Dichlorobenzene            | 20    | 20.8   | ug/L | 104 |     |      | 82  | 109            |     |

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

**SW-846**

**SDG No.:** Q1363

**Client:** TechLaw Consultants, Inc

**Analytical Method:** SW8260-Low

**Datafile :** VX044979.D

| Lab Sample ID | Parameter                   | Spike | Result | Unit | Rec | RPD | Qual | Low | Limits | RPD |
|---------------|-----------------------------|-------|--------|------|-----|-----|------|-----|--------|-----|
|               |                             |       |        |      |     |     |      |     | High   |     |
| VX0218WBS01   | 1,2-Dibromo-3-Chloropropane | 20    | 19.3   | ug/L | 97  |     |      | 68  | 112    |     |
|               | 1,2,4-Trichlorobenzene      | 20    | 20.2   | ug/L | 101 |     |      | 75  | 113    |     |
|               | 1,2,3-Trichlorobenzene      | 20    | 20.1   | ug/L | 101 |     |      | 76  | 114    |     |

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0214WBL01

Lab Name: CHEMTECH

Contract: TECH05

Lab Code: CHEM Case No.: Q1363

SAS No.: Q1363 SDG NO.: Q1363

Lab File ID: VX044950.D

Lab Sample ID: VX0214WBL01

Date Analyzed: 02/14/2025

Time Analyzed: 10:51

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

Heated Purge: (Y/N) N

Instrument ID: MSVOA\_X

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 |
|-------------------|------------------|----------------|------------------|
| VX0214WBS01       | VX0214WBS01      | VX044951.D     | 02/14/2025       |
| MW-30D-021125     | Q1363-01         | VX044964.D     | 02/14/2025       |
| TB-01-021125      | Q1363-03         | VX044966.D     | 02/14/2025       |
| VFCC-2-021225     | Q1363-07         | VX044967.D     | 02/14/2025       |
| VFCC-3-021225     | Q1363-08         | VX044968.D     | 02/14/2025       |
| MW-33S-021225     | Q1363-09         | VX044969.D     | 02/14/2025       |
| MW-33S-FD-021225  | Q1363-10         | VX044970.D     | 02/14/2025       |
| MW-33D-021225     | Q1363-04         | VX044971.D     | 02/14/2025       |
| MW-33D-021225MS   | Q1363-05MS       | VX044972.D     | 02/14/2025       |
| MW-33D-021225MSD  | Q1363-06MSD      | VX044973.D     | 02/14/2025       |

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

\_\_\_\_\_

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0218WBL01

Lab Name: CHEMTECH

Contract: TECH05

Lab Code: CHEM Case No.: Q1363

SAS No.: Q1363 SDG NO.: Q1363

Lab File ID: VX044978.D

Lab Sample ID: VX0218WBL01

Date Analyzed: 02/18/2025

Time Analyzed: 11:31

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

Heated Purge: (Y/N) N

Instrument ID: MSVOA\_X

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 |
|-------------------|------------------|----------------|------------------|
| VX0218WBS01       | VX0218WBS01      | VX044979.D     | 02/18/2025       |
| EB-01-021125      | Q1363-02         | VX044982.D     | 02/18/2025       |

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



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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: TECH05  
Lab Code: CHEM Case No.: Q1363 SAS No.: Q1363 SDG NO.: Q1363  
Lab File ID: VX044867.D BFB Injection Date: 02/10/2025  
Instrument ID: MSVOA\_X BFB Injection Time: 09:35  
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 50  | 15.0 - 40.0% of mass 95            | 19.7                 |
| 75  | 30.0 - 60.0% of mass 95            | 52.3                 |
| 95  | Base Peak, 100% relative abundance | 100                  |
| 96  | 5.0 - 9.0% of mass 95              | 6.9                  |
| 173 | Less than 2.0% of mass 174         | 0.5 ( 0.6 ) 1        |
| 174 | 50.0 - 100.0% of mass 95           | 75.9                 |
| 175 | 5.0 - 9.0% of mass 174             | 5.7 ( 7.5 ) 1        |
| 176 | 95.0 - 101.0% of mass 174          | 72.6 ( 95.7 ) 1      |
| 177 | 5.0 - 9.0% of mass 176             | 4.5 ( 6.2 ) 2        |

1-Value is % mass 174

2-Value is % mass 176

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

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED | TIME<br>ANALYZED |
|-------------------|------------------|----------------|------------------|------------------|
| VSTDIC001         | VSTDIC001        | VX044868.D     | 02/10/2025       | 10:25            |
| VSTDIC005         | VSTDIC005        | VX044869.D     | 02/10/2025       | 10:48            |
| VSTDIC020         | VSTDIC020        | VX044870.D     | 02/10/2025       | 11:11            |
| VSTDIC050         | VSTDIC050        | VX044871.D     | 02/10/2025       | 11:34            |
| VSTDIC100         | VSTDIC100        | VX044872.D     | 02/10/2025       | 12:05            |
| VSTDIC150         | VSTDIC150        | VX044873.D     | 02/10/2025       | 12:28            |



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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: TECH05  
Lab Code: CHEM Case No.: Q1363 SAS No.: Q1363 SDG NO.: Q1363  
Lab File ID: VX044947.D BFB Injection Date: 02/14/2025  
Instrument ID: MSVOA\_X BFB Injection Time: 09:35  
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 50  | 15.0 - 40.0% of mass 95            | 19.9                 |
| 75  | 30.0 - 60.0% of mass 95            | 51.5                 |
| 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         | 0.4 ( 0.5 ) 1        |
| 174 | 50.0 - 100.0% of mass 95           | 74.3                 |
| 175 | 5.0 - 9.0% of mass 174             | 5.2 ( 7 ) 1          |
| 176 | 95.0 - 101.0% of mass 174          | 71.2 ( 95.7 ) 1      |
| 177 | 5.0 - 9.0% of mass 176             | 4.6 ( 6.5 ) 2        |

1-Value is % mass 174

2-Value is % mass 176

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

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED | TIME<br>ANALYZED |
|-------------------|------------------|----------------|------------------|------------------|
| VSTDCCC050        | VSTDCCC050       | VX044948.D     | 02/14/2025       | 10:04            |
| VX0214WBL01       | VX0214WBL01      | VX044950.D     | 02/14/2025       | 10:51            |
| VX0214WBS01       | VX0214WBS01      | VX044951.D     | 02/14/2025       | 11:14            |
| MW-30D-021125     | Q1363-01         | VX044964.D     | 02/14/2025       | 16:15            |
| TB-01-021125      | Q1363-03         | VX044966.D     | 02/14/2025       | 17:01            |
| VFCC-2-021225     | Q1363-07         | VX044967.D     | 02/14/2025       | 17:25            |
| VFCC-3-021225     | Q1363-08         | VX044968.D     | 02/14/2025       | 17:48            |
| MW-33S-021225     | Q1363-09         | VX044969.D     | 02/14/2025       | 18:11            |
| MW-33S-FD-021225  | Q1363-10         | VX044970.D     | 02/14/2025       | 18:34            |
| MW-33D-021225     | Q1363-04         | VX044971.D     | 02/14/2025       | 18:57            |
| MW-33D-021225MS   | Q1363-05MS       | VX044972.D     | 02/14/2025       | 19:20            |
| MW-33D-021225MSD  | Q1363-06MSD      | VX044973.D     | 02/14/2025       | 19:43            |



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Fax : 908 789 8922

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: TECH05  
Lab Code: CHEM Case No.: Q1363 SAS No.: Q1363 SDG NO.: Q1363  
Lab File ID: VX044975.D BFB Injection Date: 02/18/2025  
Instrument ID: MSVOA\_X BFB Injection Time: 09:46  
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

| m/e | ION ABUNDANCE CRITERIA             | % RELATIVE ABUNDANCE |
|-----|------------------------------------|----------------------|
| 50  | 15.0 - 40.0% of mass 95            | 20.5                 |
| 75  | 30.0 - 60.0% of mass 95            | 53.4                 |
| 95  | Base Peak, 100% relative abundance | 100                  |
| 96  | 5.0 - 9.0% of mass 95              | 6.7                  |
| 173 | Less than 2.0% of mass 174         | 0.7 ( 1.1 ) 1        |
| 174 | 50.0 - 100.0% of mass 95           | 69                   |
| 175 | 5.0 - 9.0% of mass 174             | 5 ( 7.2 ) 1          |
| 176 | 95.0 - 101.0% of mass 174          | 65.8 ( 95.3 ) 1      |
| 177 | 5.0 - 9.0% of mass 176             | 4.7 ( 7.2 ) 2        |

1-Value is % mass 174

2-Value is % mass 176

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

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED | TIME<br>ANALYZED |
|-------------------|------------------|----------------|------------------|------------------|
| VSTDCCC050        | VSTDCCC050       | VX044976.D     | 02/18/2025       | 10:45            |
| VX0218WBL01       | VX0218WBL01      | VX044978.D     | 02/18/2025       | 11:31            |
| VX0218WBS01       | VX0218WBS01      | VX044979.D     | 02/18/2025       | 11:54            |
| EB-01-021125      | Q1363-02         | VX044982.D     | 02/18/2025       | 13:05            |

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TECH05  
Lab Code: CHEM Case No.: Q1363 SAS No.: Q1363 SDG NO.: Q1363  
Lab File ID: VX044948.D Date Analyzed: 02/14/2025  
Instrument ID: MSVOA\_X Time Analyzed: 10:04  
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

|                  | IS1<br>AREA # | RT #  | IS2<br>AREA # | RT #  | IS3<br>AREA # | RT #   |
|------------------|---------------|-------|---------------|-------|---------------|--------|
| 12 HOUR STD      | 111649        | 5.54  | 194847        | 6.75  | 171164        | 10.05  |
| UPPER LIMIT      | 223298        | 6.037 | 389694        | 7.251 | 342328        | 10.549 |
| LOWER LIMIT      | 55824.5       | 5.037 | 97423.5       | 6.251 | 85582         | 9.549  |
| EPA SAMPLE NO.   |               |       |               |       |               |        |
| MW-30D-021125    | 78193         | 5.54  | 161133        | 6.76  | 143961        | 10.06  |
| TB-01-021125     | 81534         | 5.55  | 167151        | 6.76  | 161346        | 10.05  |
| MW-33D-021225    | 75470         | 5.55  | 157095        | 6.76  | 147557        | 10.05  |
| MW-33D-021225MS  | 97424         | 5.54  | 182191        | 6.76  | 167355        | 10.05  |
| MW-33D-021225MSD | 87367         | 5.54  | 162792        | 6.76  | 149234        | 10.05  |
| VFCC-2-021225    | 78469         | 5.55  | 163329        | 6.76  | 153346        | 10.05  |
| VFCC-3-021225    | 77144         | 5.55  | 155981        | 6.76  | 144021        | 10.06  |
| MW-33S-021225    | 78716         | 5.55  | 165139        | 6.76  | 155752        | 10.05  |
| MW-33S-FD-021225 | 83299         | 5.55  | 168141        | 6.76  | 163155        | 10.05  |
| VX0214WBL01      | 79162         | 5.54  | 161000        | 6.76  | 145614        | 10.05  |
| VX0214WBS01      | 109167        | 5.54  | 195743        | 6.76  | 172020        | 10.05  |

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

AREA UPPER LIMIT = +100% of internal standard area  
AREA LOWER LIMIT = -50% of internal standard area  
RT UPPER LIMIT = +0.50 minutes of internal standard RT  
RT LOWER LIMIT = -0.50 minutes of internal standard RT

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TECH05  
 Lab Code: CHEM Case No.: Q1363 SAS No.: Q1363 SDG NO.: Q1363  
 Lab File ID: VX044948.D Date Analyzed: 02/14/2025  
 Instrument ID: MSVOA\_X Time Analyzed: 10:04  
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

|                  | IS4<br>AREA # | RT #   |  |  |  |  |
|------------------|---------------|--------|--|--|--|--|
| 12 HOUR STD      | 79140         | 12.018 |  |  |  |  |
| UPPER LIMIT      | 158280        | 12.518 |  |  |  |  |
| LOWER LIMIT      | 39570         | 11.518 |  |  |  |  |
| EPA SAMPLE NO.   |               |        |  |  |  |  |
| MW-30D-021125    | 58167         | 12.02  |  |  |  |  |
| TB-01-021125     | 74015         | 12.02  |  |  |  |  |
| MW-33D-021225    | 66405         | 12.02  |  |  |  |  |
| MW-33D-021225MS  | 80350         | 12.02  |  |  |  |  |
| MW-33D-021225MSD | 71520         | 12.02  |  |  |  |  |
| VFCC-2-021225    | 68646         | 12.02  |  |  |  |  |
| VFCC-3-021225    | 65055         | 12.02  |  |  |  |  |
| MW-33S-021225    | 72129         | 12.02  |  |  |  |  |
| MW-33S-FD-021225 | 79529         | 12.02  |  |  |  |  |
| VX0214WBL01      | 59196         | 12.02  |  |  |  |  |
| VX0214WBS01      | 79806         | 12.02  |  |  |  |  |

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area  
 AREA LOWER LIMIT = -50% of internal standard area  
 RT UPPER LIMIT = +0.50 minutes of internal standard RT  
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TECH05  
Lab Code: CHEM Case No.: Q1363 SAS No.: Q1363 SDG NO.: Q1363  
Lab File ID: VX044976.D Date Analyzed: 02/18/2025  
Instrument ID: MSVOA\_X Time Analyzed: 10:45  
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

|                | IS1<br>AREA # | RT #  | IS2<br>AREA # | RT #  | IS3<br>AREA # | RT #   |
|----------------|---------------|-------|---------------|-------|---------------|--------|
| 12 HOUR STD    | 118005        | 5.54  | 207185        | 6.75  | 183597        | 10.05  |
| UPPER LIMIT    | 236010        | 6.038 | 414370        | 7.251 | 367194        | 10.549 |
| LOWER LIMIT    | 59002.5       | 5.038 | 103593        | 6.251 | 91798.5       | 9.549  |
| EPA SAMPLE NO. |               |       |               |       |               |        |
| EB-01-021125   | 84342         | 5.54  | 169783        | 6.76  | 153945        | 10.05  |
| VX0218WBL01    | 92895         | 5.55  | 191012        | 6.76  | 185140        | 10.05  |
| VX0218WBS01    | 109899        | 5.54  | 202747        | 6.76  | 177300        | 10.05  |

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

AREA UPPER LIMIT = +100% of internal standard area  
AREA LOWER LIMIT = -50% of internal standard area  
RT UPPER LIMIT = +0.50 minutes of internal standard RT  
RT LOWER LIMIT = -0.50 minutes of internal standard RT

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: TECH05  
 Lab Code: CHEM Case No.: Q1363 SAS No.: Q1363 SDG NO.: Q1363  
 Lab File ID: VX044976.D Date Analyzed: 02/18/2025  
 Instrument ID: MSVOA\_X Time Analyzed: 10:45  
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

|                | IS4<br>AREA # | RT #   |  |  |  |  |
|----------------|---------------|--------|--|--|--|--|
| 12 HOUR STD    | 88801         | 12.018 |  |  |  |  |
| UPPER LIMIT    | 177602        | 12.518 |  |  |  |  |
| LOWER LIMIT    | 44400.5       | 11.518 |  |  |  |  |
| EPA SAMPLE NO. |               |        |  |  |  |  |
| EB-01-021125   | 67101         | 12.02  |  |  |  |  |
| VX0218WBL01    | 91305         | 12.02  |  |  |  |  |
| VX0218WBS01    | 83521         | 12.02  |  |  |  |  |

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area  
 AREA LOWER LIMIT = -50% of internal standard area  
 RT UPPER LIMIT = +0.50 minutes of internal standard RT  
 RT LOWER LIMIT = -0.50 minutes of internal standard RT

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



# SAMPLE DATA

### Report of Analysis

|                    |                          |           |                 |               |    |
|--------------------|--------------------------|-----------|-----------------|---------------|----|
| Client:            | TechLaw Consultants, Inc |           | Date Collected: | 02/11/25      |    |
| Project:           | REAC Commodore           |           | Date Received:  | 02/13/25      |    |
| Client Sample ID:  | MW-30D-021125            |           | SDG No.:        | Q1363         |    |
| Lab Sample ID:     | Q1363-01                 |           | Matrix:         | Water         |    |
| Analytical Method: | SW8260                   |           | % Solid:        | 0             |    |
| Sample Wt/Vol:     | 5                        | Units: mL | Final Vol:      | 5000          | uL |
| Soil Aliquot Vol:  |                          | uL        | Test:           | VOC-TCLVOA-10 |    |
| GC Column:         | DB-624UI                 | ID : 0.18 | Level :         | LOW           |    |
| Prep Method :      |                          |           |                 |               |    |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX044964.D        | 1         |           | 02/14/25 16:15 | VX021425      |

| CAS Number     | Parameter                      | Conc. | Qualifier | MDL  | LOQ / CRQL | Units |
|----------------|--------------------------------|-------|-----------|------|------------|-------|
| <b>TARGETS</b> |                                |       |           |      |            |       |
| 75-71-8        | Dichlorodifluoromethane        | 14.8  |           | 0.21 | 1.00       | ug/L  |
| 74-87-3        | Chloromethane                  | 0.35  | U         | 0.35 | 1.00       | ug/L  |
| 75-01-4        | Vinyl Chloride                 | 0.34  | U         | 0.34 | 1.00       | ug/L  |
| 74-83-9        | Bromomethane                   | 1.40  | U         | 1.40 | 5.00       | ug/L  |
| 75-00-3        | Chloroethane                   | 0.56  | U         | 0.56 | 1.00       | ug/L  |
| 75-69-4        | Trichlorofluoromethane         | 0.98  | J         | 0.34 | 1.00       | ug/L  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 9.10  |           | 0.25 | 1.00       | ug/L  |
| 75-35-4        | 1,1-Dichloroethene             | 0.26  | U         | 0.26 | 1.00       | ug/L  |
| 67-64-1        | Acetone                        | 2.30  | J         | 1.40 | 5.00       | ug/L  |
| 75-15-0        | Carbon Disulfide               | 0.32  | U         | 0.32 | 1.00       | ug/L  |
| 1634-04-4      | Methyl tert-butyl Ether        | 0.16  | U         | 0.16 | 1.00       | ug/L  |
| 79-20-9        | Methyl Acetate                 | 1.20  |           | 0.60 | 1.00       | ug/L  |
| 75-09-2        | Methylene Chloride             | 0.32  | U         | 0.32 | 1.00       | ug/L  |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.25  | U         | 0.25 | 1.00       | ug/L  |
| 75-34-3        | 1,1-Dichloroethane             | 0.23  | U         | 0.23 | 1.00       | ug/L  |
| 110-82-7       | Cyclohexane                    | 1.60  | U         | 1.60 | 5.00       | ug/L  |
| 78-93-3        | 2-Butanone                     | 1.30  | U         | 1.30 | 5.00       | ug/L  |
| 56-23-5        | Carbon Tetrachloride           | 0.25  | U         | 0.25 | 1.00       | ug/L  |
| 156-59-2       | cis-1,2-Dichloroethene         | 5.60  |           | 0.25 | 1.00       | ug/L  |
| 74-97-5        | Bromochloromethane             | 0.18  | U         | 0.18 | 1.00       | ug/L  |
| 67-66-3        | Chloroform                     | 0.26  | U         | 0.26 | 1.00       | ug/L  |
| 71-55-6        | 1,1,1-Trichloroethane          | 1.50  |           | 0.19 | 1.00       | ug/L  |
| 108-87-2       | Methylcyclohexane              | 0.19  | U         | 0.19 | 1.00       | ug/L  |
| 71-43-2        | Benzene                        | 0.16  | U         | 0.16 | 1.00       | ug/L  |
| 107-06-2       | 1,2-Dichloroethane             | 0.24  | U         | 0.24 | 1.00       | ug/L  |
| 79-01-6        | Trichloroethene                | 6.30  |           | 0.32 | 1.00       | ug/L  |
| 78-87-5        | 1,2-Dichloropropane            | 0.19  | U         | 0.19 | 1.00       | ug/L  |
| 75-27-4        | Bromodichloromethane           | 0.24  | U         | 0.24 | 1.00       | ug/L  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 0.75  | U         | 0.75 | 5.00       | ug/L  |
| 108-88-3       | Toluene                        | 0.18  | U         | 0.18 | 1.00       | ug/L  |

### Report of Analysis

|                    |                          |           |                 |               |    |
|--------------------|--------------------------|-----------|-----------------|---------------|----|
| Client:            | TechLaw Consultants, Inc |           | Date Collected: | 02/11/25      |    |
| Project:           | REAC Commodore           |           | Date Received:  | 02/13/25      |    |
| Client Sample ID:  | MW-30D-021125            |           | SDG No.:        | Q1363         |    |
| Lab Sample ID:     | Q1363-01                 |           | Matrix:         | Water         |    |
| Analytical Method: | SW8260                   |           | % Solid:        | 0             |    |
| Sample Wt/Vol:     | 5                        | Units: mL | Final Vol:      | 5000          | uL |
| Soil Aliquot Vol:  |                          | uL        | Test:           | VOC-TCLVOA-10 |    |
| GC Column:         | DB-624UI                 | ID : 0.18 | Level :         | LOW           |    |
| Prep Method :      |                          |           |                 |               |    |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX044964.D        | 1         |           | 02/14/25 16:15 | VX021425      |

| CAS Number                | Parameter                   | Conc.  | Qualifier | MDL      | LOQ / CRQL | Units   |
|---------------------------|-----------------------------|--------|-----------|----------|------------|---------|
| 10061-02-6                | t-1,3-Dichloropropene       | 0.21   | U         | 0.21     | 1.00       | ug/L    |
| 10061-01-5                | cis-1,3-Dichloropropene     | 0.18   | U         | 0.18     | 1.00       | ug/L    |
| 79-00-5                   | 1,1,2-Trichloroethane       | 0.21   | U         | 0.21     | 1.00       | ug/L    |
| 591-78-6                  | 2-Hexanone                  | 1.10   | UQ        | 1.10     | 5.00       | ug/L    |
| 124-48-1                  | Dibromochloromethane        | 0.18   | U         | 0.18     | 1.00       | ug/L    |
| 106-93-4                  | 1,2-Dibromoethane           | 0.16   | U         | 0.16     | 1.00       | ug/L    |
| 127-18-4                  | Tetrachloroethene           | 15.6   |           | 0.25     | 1.00       | ug/L    |
| 108-90-7                  | Chlorobenzene               | 0.13   | U         | 0.13     | 1.00       | ug/L    |
| 100-41-4                  | Ethyl Benzene               | 0.16   | U         | 0.16     | 1.00       | ug/L    |
| 179601-23-1               | m/p-Xylenes                 | 0.31   | U         | 0.31     | 2.00       | ug/L    |
| 95-47-6                   | o-Xylene                    | 0.14   | U         | 0.14     | 1.00       | ug/L    |
| 100-42-5                  | Styrene                     | 0.16   | U         | 0.16     | 1.00       | ug/L    |
| 75-25-2                   | Bromoform                   | 0.21   | U         | 0.21     | 1.00       | ug/L    |
| 98-82-8                   | Isopropylbenzene            | 0.13   | U         | 0.13     | 1.00       | ug/L    |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane   | 0.27   | U         | 0.27     | 1.00       | ug/L    |
| 541-73-1                  | 1,3-Dichlorobenzene         | 0.24   | U         | 0.24     | 1.00       | ug/L    |
| 106-46-7                  | 1,4-Dichlorobenzene         | 0.27   | U         | 0.27     | 1.00       | ug/L    |
| 95-50-1                   | 1,2-Dichlorobenzene         | 0.19   | U         | 0.19     | 1.00       | ug/L    |
| 96-12-8                   | 1,2-Dibromo-3-Chloropropane | 0.46   | U         | 0.46     | 1.00       | ug/L    |
| 120-82-1                  | 1,2,4-Trichlorobenzene      | 0.42   | U         | 0.42     | 1.00       | ug/L    |
| 87-61-6                   | 1,2,3-Trichlorobenzene      | 0.51   | U         | 0.51     | 1.00       | ug/L    |
| <b>SURROGATES</b>         |                             |        |           |          |            |         |
| 17060-07-0                | 1,2-Dichloroethane-d4       | 55.8   |           | 74 - 125 | 112%       | SPK: 50 |
| 1868-53-7                 | Dibromofluoromethane        | 51.6   |           | 75 - 124 | 103%       | SPK: 50 |
| 2037-26-5                 | Toluene-d8                  | 50.5   |           | 86 - 113 | 101%       | SPK: 50 |
| 460-00-4                  | 4-Bromofluorobenzene        | 49.1   |           | 77 - 121 | 98%        | SPK: 50 |
| <b>INTERNAL STANDARDS</b> |                             |        |           |          |            |         |
| 363-72-4                  | Pentafluorobenzene          | 78200  | 5.544     |          |            |         |
| 540-36-3                  | 1,4-Difluorobenzene         | 161000 | 6.757     |          |            |         |
| 3114-55-4                 | Chlorobenzene-d5            | 144000 | 10.055    |          |            |         |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4      | 58200  | 12.018    |          |            |         |

## Report of Analysis

|                    |                          |           |                 |               |
|--------------------|--------------------------|-----------|-----------------|---------------|
| Client:            | TechLaw Consultants, Inc |           | Date Collected: | 02/11/25      |
| Project:           | REAC Commodore           |           | Date Received:  | 02/13/25      |
| Client Sample ID:  | MW-30D-021125            |           | SDG No.:        | Q1363         |
| Lab Sample ID:     | Q1363-01                 |           | Matrix:         | Water         |
| Analytical Method: | SW8260                   |           | % Solid:        | 0             |
| Sample Wt/Vol:     | 5                        | Units: mL | Final Vol:      | 5000 uL       |
| Soil Aliquot Vol:  |                          | uL        | Test:           | VOC-TCLVOA-10 |
| GC Column:         | DB-624UI                 | ID : 0.18 | Level :         | LOW           |
| Prep Method :      |                          |           |                 |               |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX044964.D        | 1         |           | 02/14/25 16:15 | VX021425      |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|------------|-----------|-------|-----------|-----|------------|-------|
|------------|-----------|-------|-----------|-----|------------|-------|

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021425\  
 Data File : VX044964.D  
 Acq On : 14 Feb 2025 16:15  
 Operator : JC/MD  
 Sample : Q1363-01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-30D-021125

Quant Time: Feb 14 22:16:24 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 11 03:41:08 2025  
 Response via : Initial Calibration

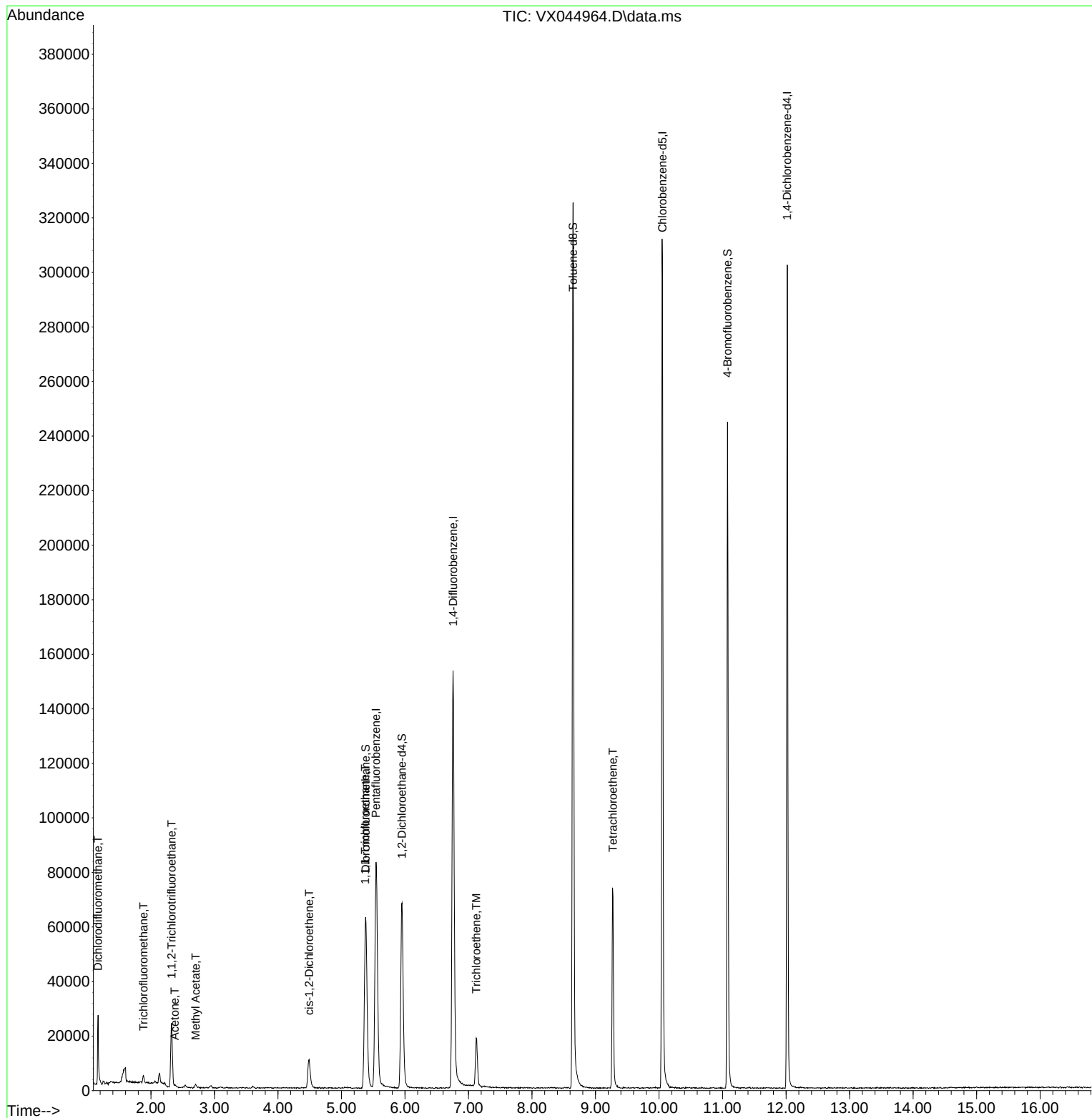
| Compound                     | R.T. QIon |       | Response | Conc     | Units  | Dev(Min) |
|------------------------------|-----------|-------|----------|----------|--------|----------|
| -----                        |           |       |          |          |        |          |
| Internal Standards           |           |       |          |          |        |          |
| 1) Pentafluorobenzene        | 5.544     | 168   | 78193    | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.757     | 114   | 161133   | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.055    | 117   | 143961   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.018    | 152   | 58167    | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |           |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.952     | 65    | 63817    | 55.755   | ug/l   | 0.00     |
| Spiked Amount                | 50.000    | Range | 74 - 125 | Recovery | =      | 111.500% |
| 35) Dibromofluoromethane     | 5.379     | 113   | 54021    | 51.565   | ug/l   | 0.00     |
| Spiked Amount                | 50.000    | Range | 75 - 124 | Recovery | =      | 103.120% |
| 50) Toluene-d8               | 8.647     | 98    | 200150   | 50.523   | ug/l   | 0.00     |
| Spiked Amount                | 50.000    | Range | 86 - 113 | Recovery | =      | 101.040% |
| 62) 4-Bromofluorobenzene     | 11.079    | 95    | 65634    | 49.145   | ug/l   | 0.00     |
| Spiked Amount                | 50.000    | Range | 77 - 121 | Recovery | =      | 98.300%  |
| Target Compounds             |           |       |          |          |        |          |
|                              |           |       |          |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.166     | 85    | 16240    | 14.808   | ug/l   | 97       |
| 7) Trichlorofluoromethane    | 1.880     | 101   | 1609     | 0.984    | ug/l # | 83       |
| 9) 1,1,2-Trichlorotrifluo... | 2.325     | 101   | 9002     | 9.111    | ug/l   | 97       |
| 16) Acetone                  | 2.373     | 43    | 1036     | 2.251    | ug/l   | 93       |
| 18) Methyl Acetate           | 2.703     | 43    | 1786     | 1.230    | ug/l # | 87       |
| 27) cis-1,2-Dichloroethene   | 4.489     | 96    | 6660     | 5.590    | ug/l   | 92       |
| 32) 1,1,1-Trichloroethane    | 5.373     | 97    | 2421     | 1.526    | ug/l   | 99       |
| 44) Trichloroethene          | 7.123     | 130   | 6814     | 6.316    | ug/l   | 99       |
| 64) Tetrachloroethene        | 9.275     | 164   | 14128    | 15.561   | ug/l   | 97       |
| -----                        |           |       |          |          |        |          |

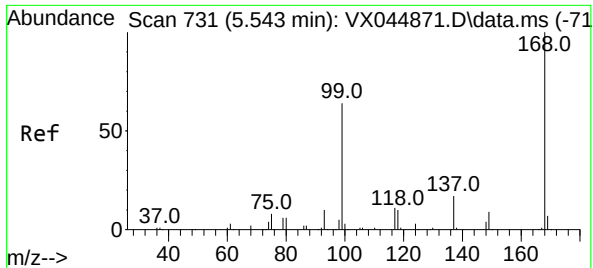
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021425\  
Data File : VX044964.D  
Acq On : 14 Feb 2025 16:15  
Operator : JC/MD  
Sample : Q1363-01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-30D-021125

Quant Time: Feb 14 22:16:24 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
Quant Title : SW846 8260  
QLast Update : Tue Feb 11 03:41:08 2025  
Response via : Initial Calibration

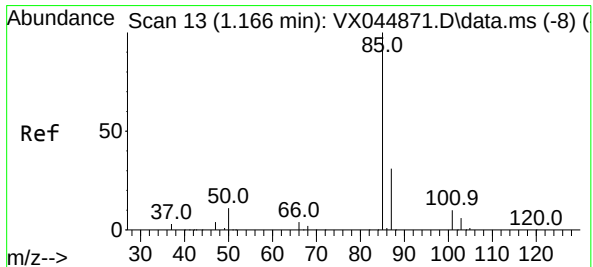
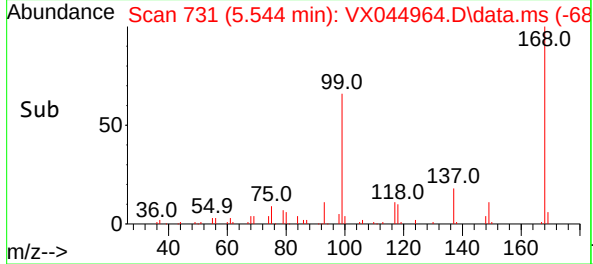
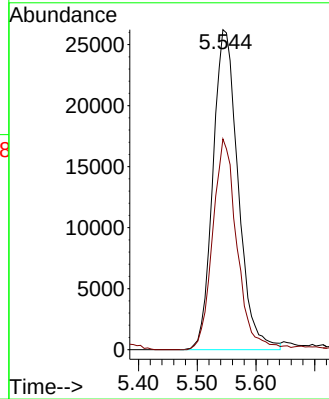
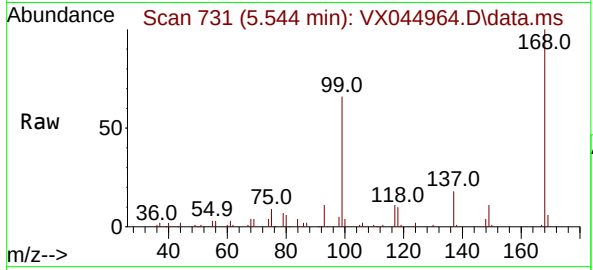




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.544 min Scan# 71  
Delta R.T. 0.001 min  
Lab File: VX044964.D  
Acq: 14 Feb 2025 16:15

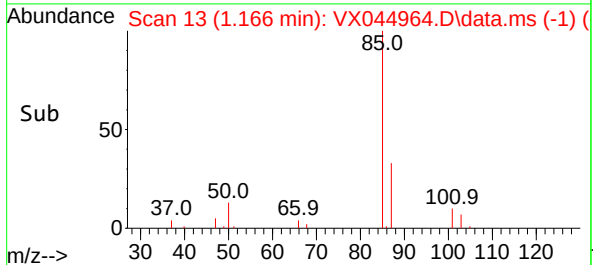
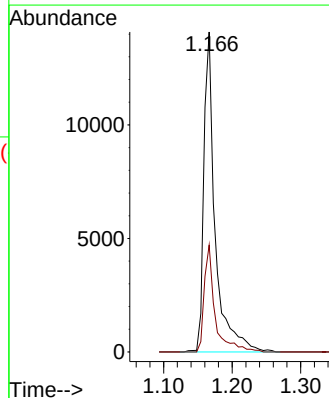
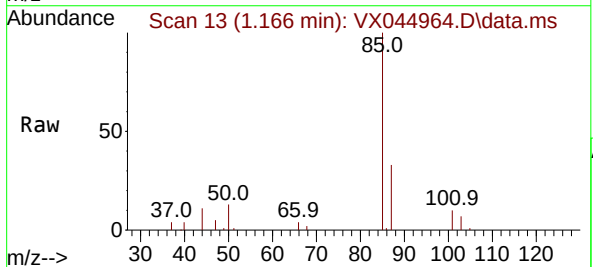
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-30D-021125

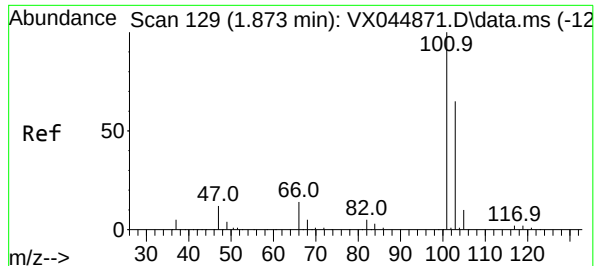
Tgt Ion:168 Resp: 78193  
Ion Ratio Lower Upper  
168 100  
99 65.8 51.2 76.8



#2  
Dichlorodifluoromethane  
Concen: 14.808 ug/l  
RT: 1.166 min Scan# 13  
Delta R.T. 0.000 min  
Lab File: VX044964.D  
Acq: 14 Feb 2025 16:15

Tgt Ion: 85 Resp: 16240  
Ion Ratio Lower Upper  
85 100  
87 33.4 15.8 47.3

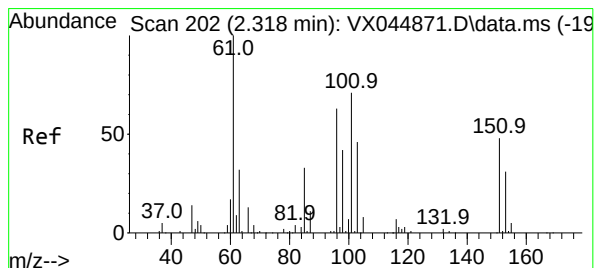
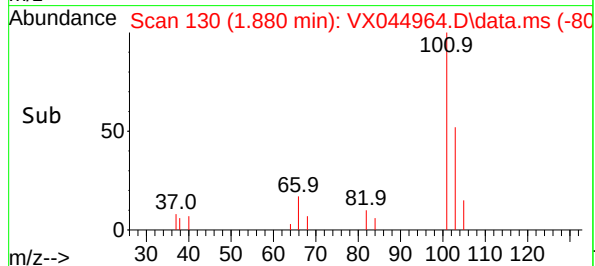
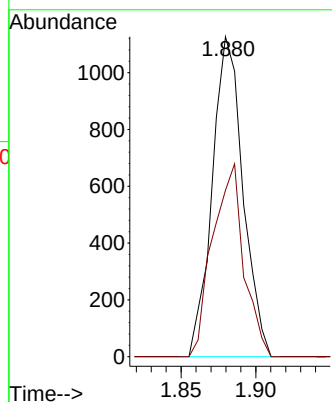
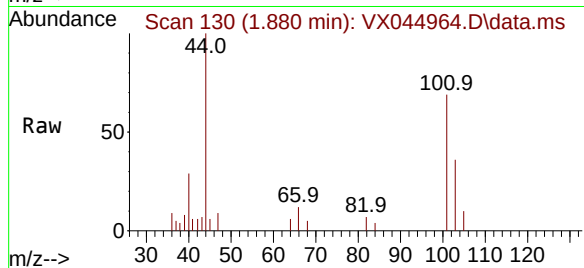




#7  
Trichlorofluoromethane  
Concen: 0.984 ug/l  
RT: 1.880 min Scan# 11  
Delta R.T. 0.007 min  
Lab File: VX044964.D  
Acq: 14 Feb 2025 16:15

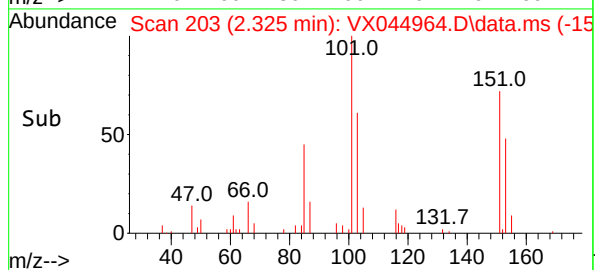
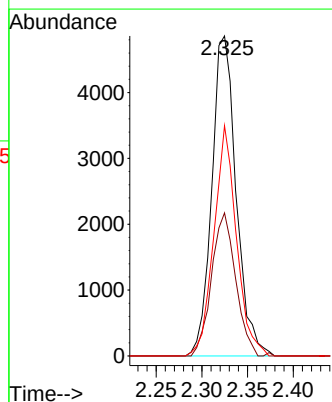
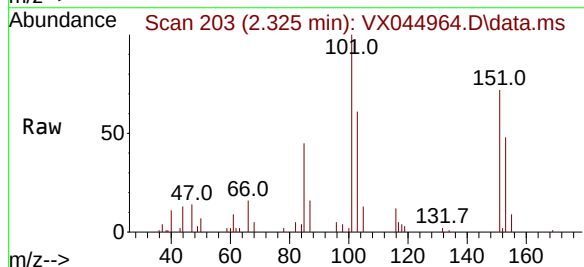
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-30D-021125

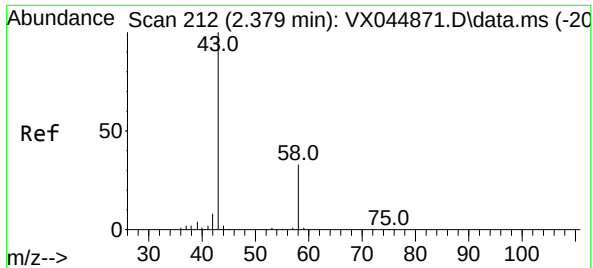
Tgt Ion:101 Resp: 1609  
Ion Ratio Lower Upper  
101 100  
103 52.0 52.4 78.6#



#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 9.111 ug/l  
RT: 2.325 min Scan# 203  
Delta R.T. 0.006 min  
Lab File: VX044964.D  
Acq: 14 Feb 2025 16:15

Tgt Ion:101 Resp: 9002  
Ion Ratio Lower Upper  
101 100  
85 44.2 35.7 53.5  
151 66.7 56.0 84.0

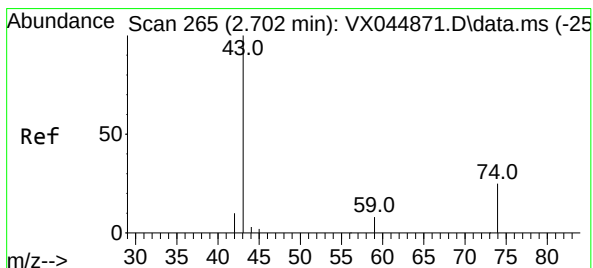
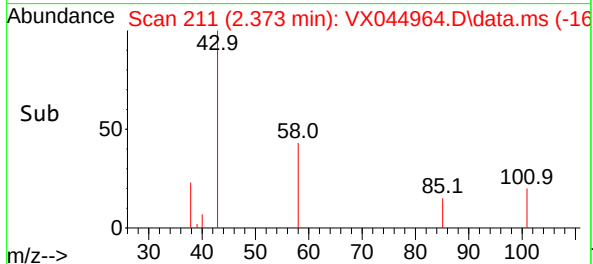
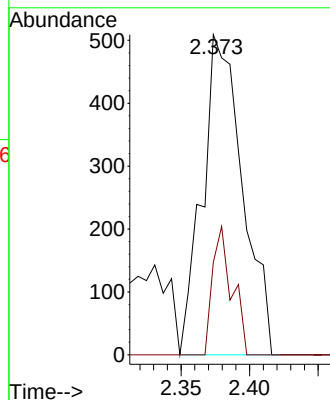
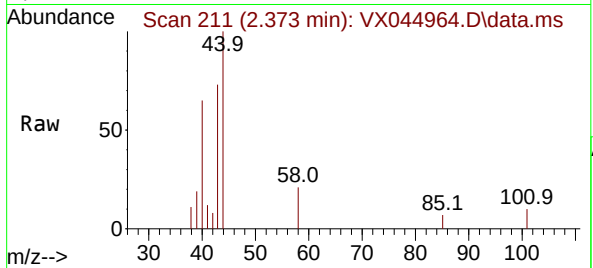




#16  
Acetone  
Concen: 2.251 ug/l  
RT: 2.373 min Scan# 211  
Delta R.T. -0.006 min  
Lab File: VX044964.D  
Acq: 14 Feb 2025 16:15

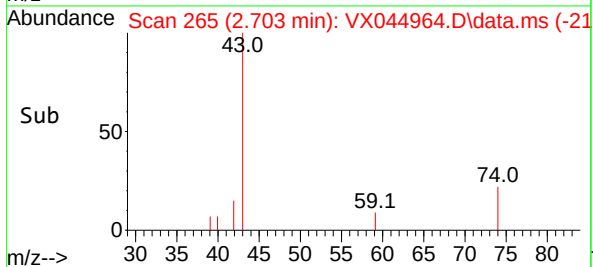
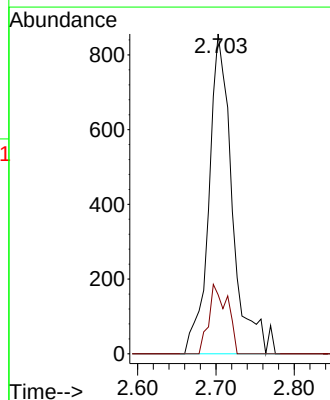
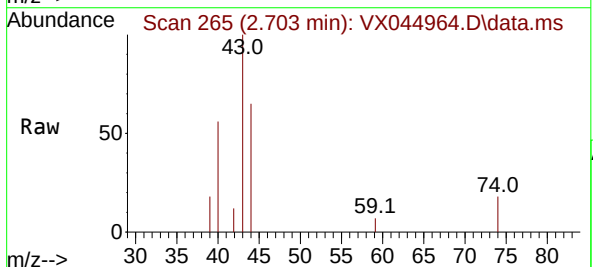
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-30D-021125

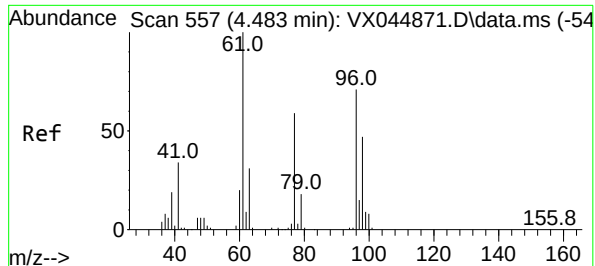
Tgt Ion: 43 Resp: 1036  
Ion Ratio Lower Upper  
43 100  
58 28.9 26.5 39.7



#18  
Methyl Acetate  
Concen: 1.230 ug/l  
RT: 2.703 min Scan# 265  
Delta R.T. 0.000 min  
Lab File: VX044964.D  
Acq: 14 Feb 2025 16:15

Tgt Ion: 43 Resp: 1786  
Ion Ratio Lower Upper  
43 100  
74 17.2 18.9 28.3#





#27

cis-1,2-Dichloroethene

Concen: 5.590 ug/l

RT: 4.489 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX044964.D

Acq: 14 Feb 2025 16:15

Instrument :

MSVOA\_X

ClientSampleId :

MW-30D-021125

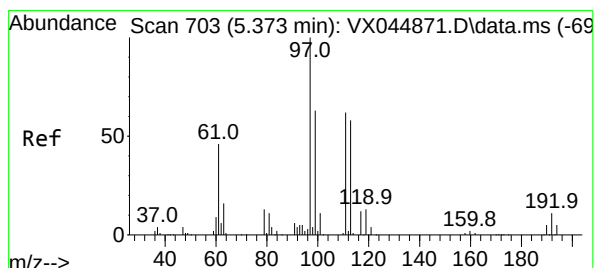
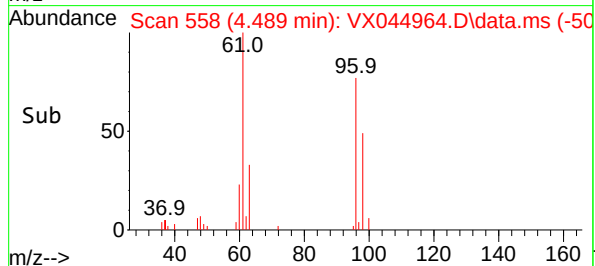
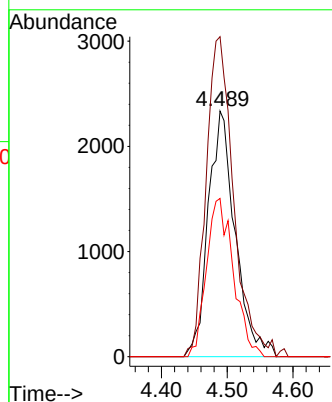
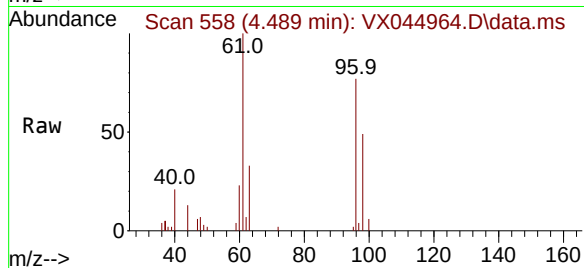
Tgt Ion: 96 Resp: 6660

Ion Ratio Lower Upper

96 100

61 133.6 0.0 294.0

98 64.5 0.0 131.2



#32

1,1,1-Trichloroethane

Concen: 1.526 ug/l

RT: 5.373 min Scan# 703

Delta R.T. 0.000 min

Lab File: VX044964.D

Acq: 14 Feb 2025 16:15

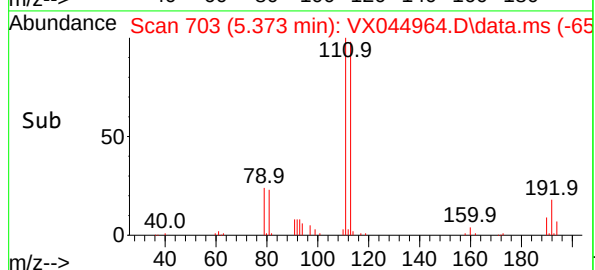
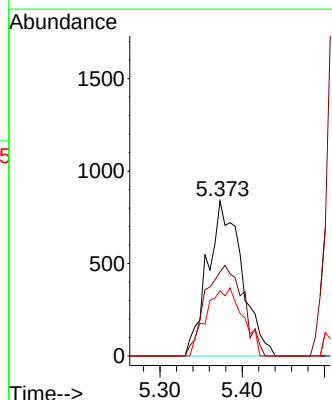
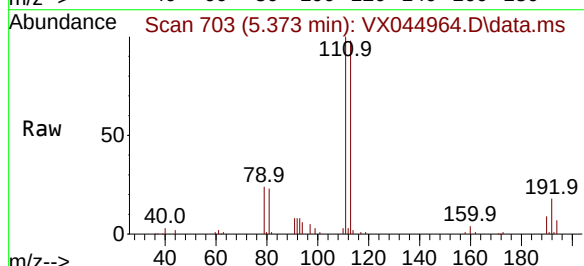
Tgt Ion: 97 Resp: 2421

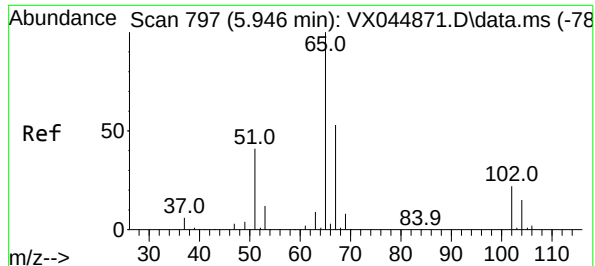
Ion Ratio Lower Upper

97 100

99 64.7 51.0 76.6

61 46.8 36.6 55.0





#33

1,2-Dichloroethane-d4

Concen: 55.755 ug/l

RT: 5.952 min Scan# 797

Delta R.T. 0.006 min

Lab File: VX044964.D

Acq: 14 Feb 2025 16:15

Instrument :

MSVOA\_X

ClientSampleId :

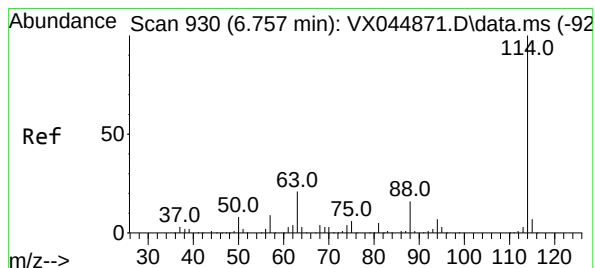
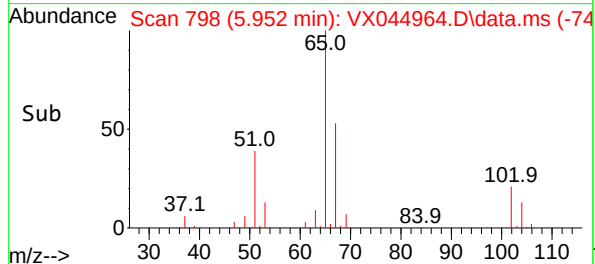
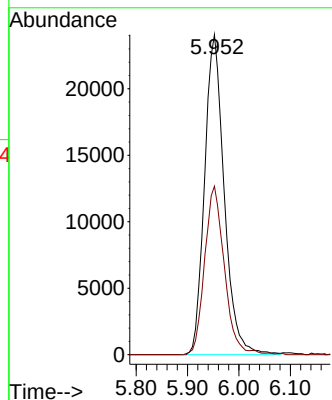
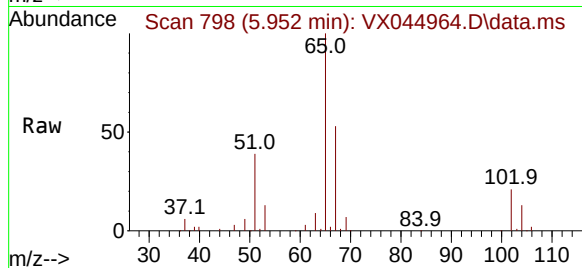
MW-30D-021125

Tgt Ion: 65 Resp: 63817

Ion Ratio Lower Upper

65 100

67 53.1 0.0 108.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX044964.D

Acq: 14 Feb 2025 16:15

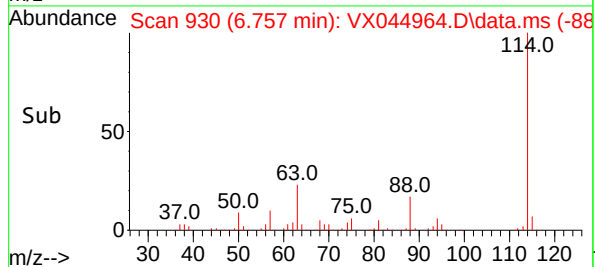
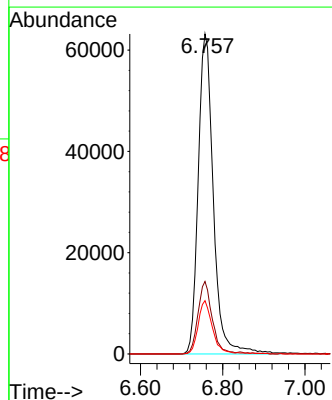
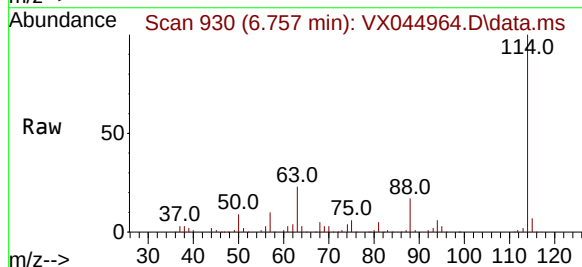
Tgt Ion: 114 Resp: 161133

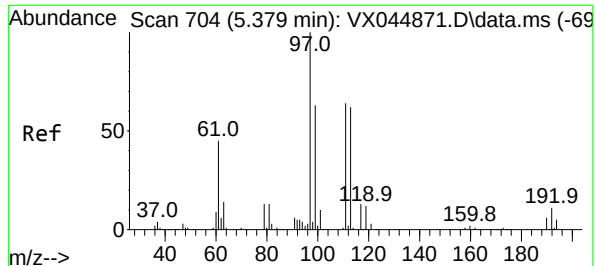
Ion Ratio Lower Upper

114 100

63 22.6 0.0 42.4

88 16.6 0.0 31.4





#35

Dibromofluoromethane

Concen: 51.565 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX044964.D

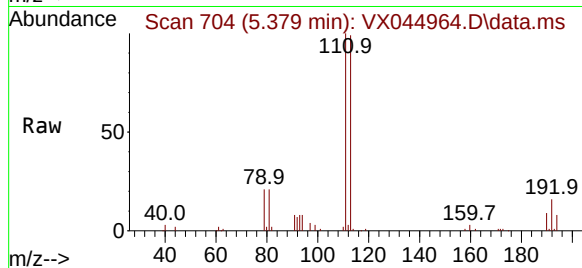
Acq: 14 Feb 2025 16:15

Instrument :

MSVOA\_X

ClientSampleId :

MW-30D-021125



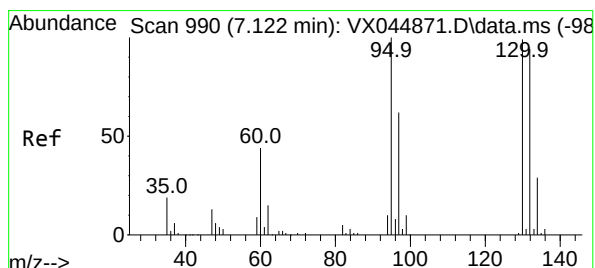
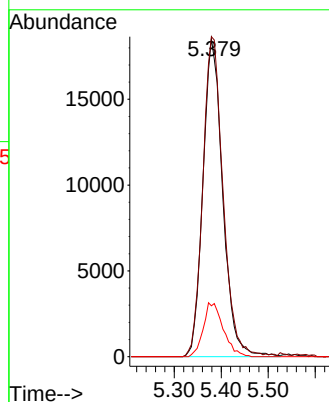
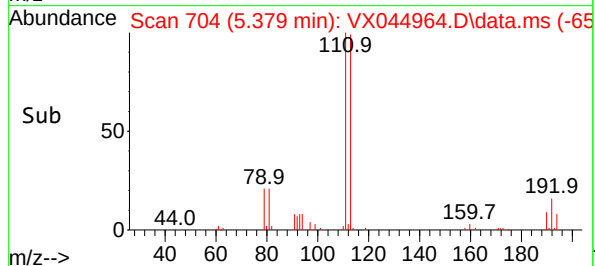
Tgt Ion:113 Resp: 54021

Ion Ratio Lower Upper

113 100

111 103.0 83.5 125.3

192 17.2 14.4 21.6



#44

Trichloroethene

Concen: 6.316 ug/l

RT: 7.123 min Scan# 990

Delta R.T. 0.000 min

Lab File: VX044964.D

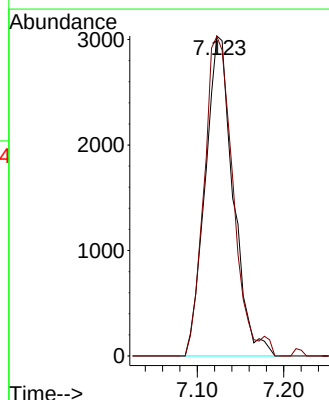
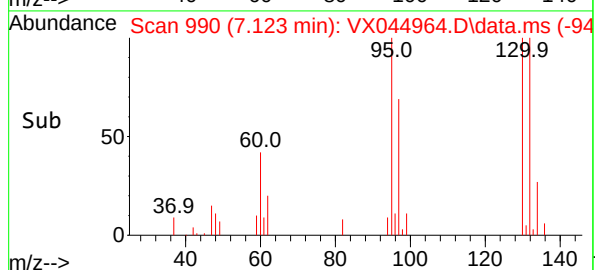
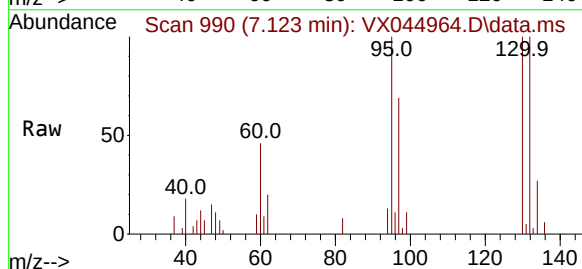
Acq: 14 Feb 2025 16:15

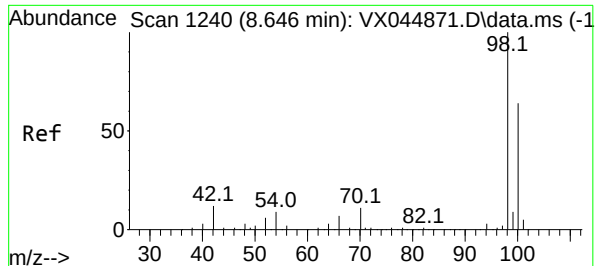
Tgt Ion:130 Resp: 6814

Ion Ratio Lower Upper

130 100

95 99.8 0.0 202.4





#50

Toluene-d8

Concen: 50.523 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX044964.D

Acq: 14 Feb 2025 16:15

Instrument :

MSVOA\_X

ClientSampleId :

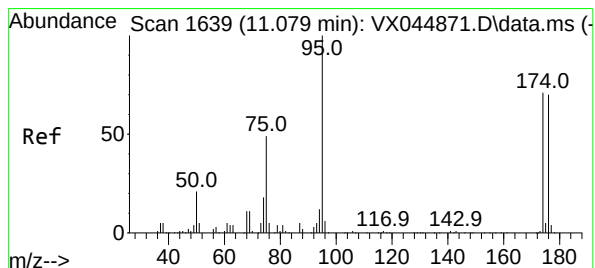
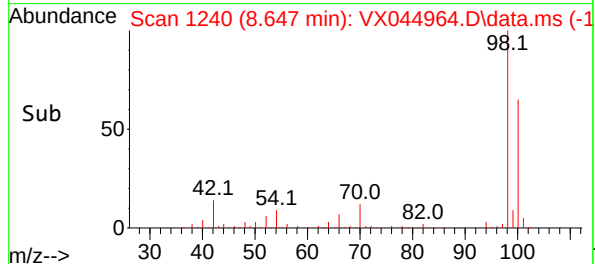
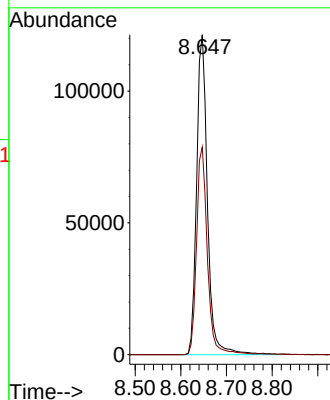
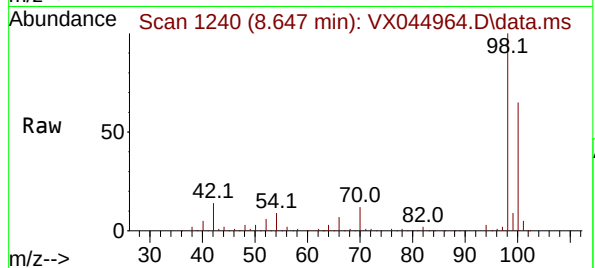
MW-30D-021125

Tgt Ion: 98 Resp: 200150

Ion Ratio Lower Upper

98 100

100 64.6 52.7 79.1



#62

4-Bromofluorobenzene

Concen: 49.145 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX044964.D

Acq: 14 Feb 2025 16:15

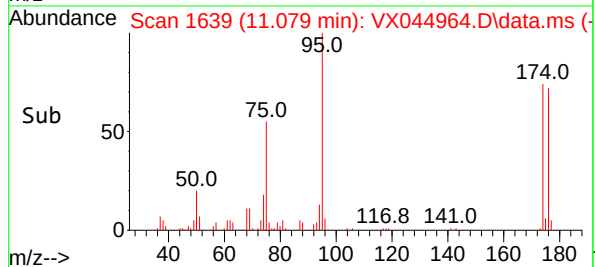
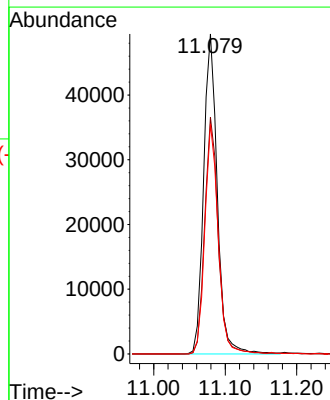
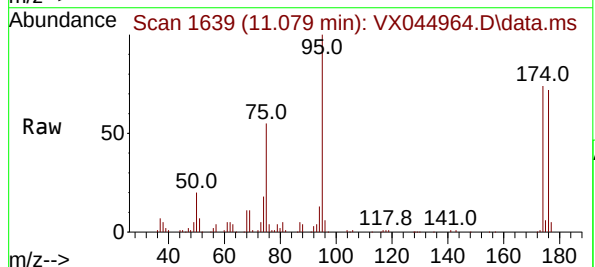
Tgt Ion: 95 Resp: 65634

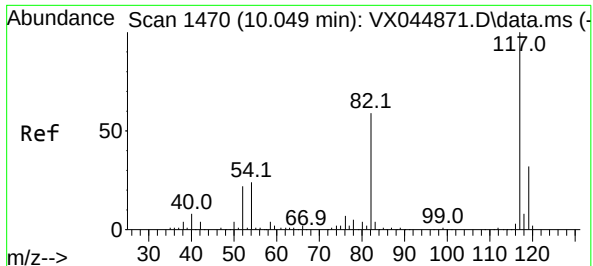
Ion Ratio Lower Upper

95 100

174 73.0 0.0 142.6

176 70.4 0.0 141.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 14

Delta R.T. 0.006 min

Lab File: VX044964.D

Acq: 14 Feb 2025 16:15

Instrument :

MSVOA\_X

ClientSampleId :

MW-30D-021125

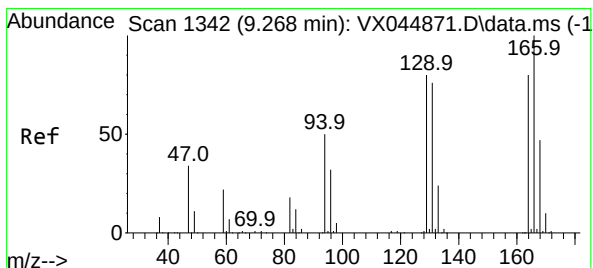
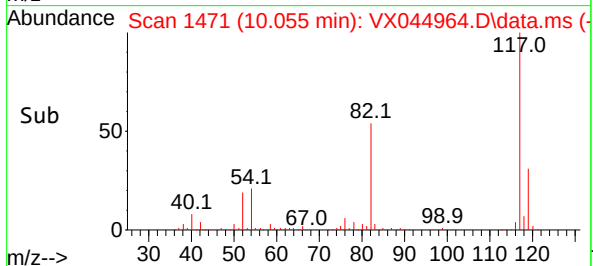
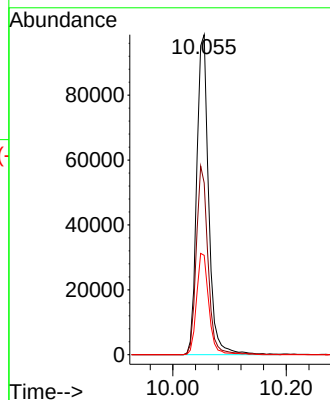
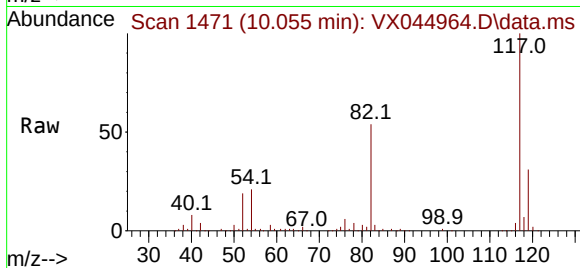
Tgt Ion:117 Resp: 143961

Ion Ratio Lower Upper

117 100

82 53.7 47.5 71.3

119 31.0 25.4 38.0



#64

Tetrachloroethene

Concen: 15.561 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. 0.006 min

Lab File: VX044964.D

Acq: 14 Feb 2025 16:15

Tgt Ion:164 Resp: 14128

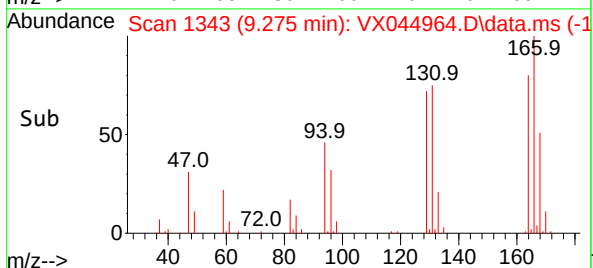
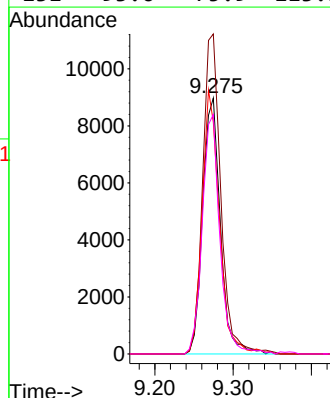
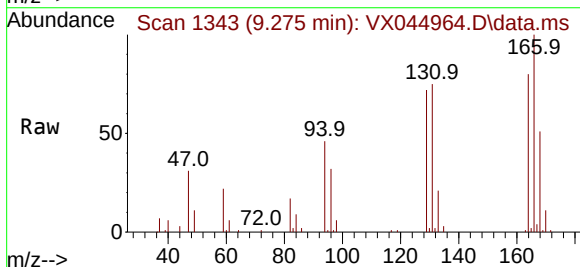
Ion Ratio Lower Upper

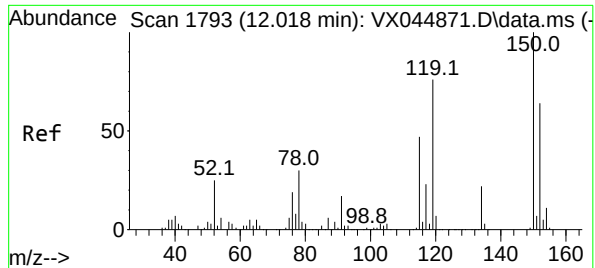
164 100

166 125.0 100.4 150.6

129 90.6 79.9 119.9

131 93.6 75.9 113.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX044964.D

Acq: 14 Feb 2025 16:15

Instrument :

MSVOA\_X

ClientSampleId :

MW-30D-021125

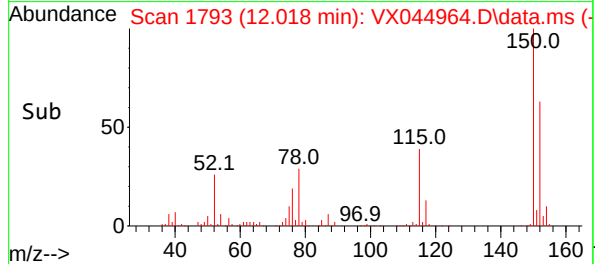
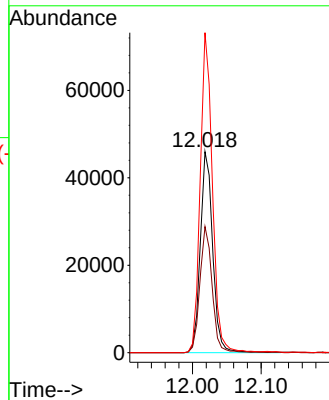
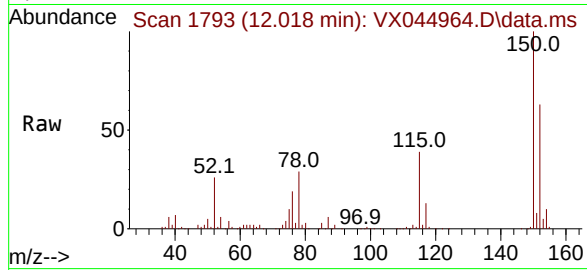
Tgt Ion:152 Resp: 58167

Ion Ratio Lower Upper

152 100

115 62.0 43.4 130.1

150 155.5 0.0 350.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021425\  
 Data File : VX044964.D  
 Acq On : 14 Feb 2025 16:15  
 Operator : JC/MD  
 Sample : Q1363-01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-30D-021125

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M

Title : SW846 8260

Signal : TIC: VX044964.D\data.ms

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 1.166       | 10            | 13          | 23           | rVB      | 25421          | 27006         | 5.07%           | 0.916%        |
| 2         | 1.599       | 72            | 84          | 87           | rVB6     | 5213           | 15912         | 2.99%           | 0.540%        |
| 3         | 2.136       | 167           | 172         | 178          | rBV6     | 3601           | 6039          | 1.13%           | 0.205%        |
| 4         | 2.325       | 197           | 203         | 210          | rBV2     | 23391          | 43957         | 8.26%           | 1.490%        |
| 5         | 4.489       | 550           | 558         | 569          | rBV2     | 10414          | 28548         | 5.36%           | 0.968%        |
| 6         | 5.379       | 694           | 704         | 718          | rBV2     | 62841          | 186713        | 35.07%          | 6.331%        |
| 7         | 5.544       | 721           | 731         | 746          | rBV      | 82391          | 239161        | 44.93%          | 8.109%        |
| 8         | 5.952       | 787           | 798         | 814          | rBV      | 67992          | 185340        | 34.82%          | 6.284%        |
| 9         | 6.757       | 921           | 930         | 948          | rBV      | 152896         | 379591        | 71.31%          | 12.871%       |
| 10        | 7.123       | 982           | 990         | 1001         | rVB3     | 17589          | 38780         | 7.28%           | 1.315%        |
| 11        | 8.647       | 1234          | 1240        | 1260         | rBV      | 324292         | 532327        | 100.00%         | 18.050%       |
| 12        | 9.269       | 1336          | 1342        | 1354         | rBV      | 73513          | 116746        | 21.93%          | 3.959%        |
| 13        | 10.049      | 1465          | 1470        | 1484         | rBV      | 311288         | 457455        | 85.93%          | 15.511%       |
| 14        | 11.079      | 1634          | 1639        | 1650         | rBV      | 244281         | 319964        | 60.11%          | 10.849%       |
| 15        | 12.018      | 1788          | 1793        | 1806         | rBV      | 301943         | 371652        | 69.82%          | 12.602%       |

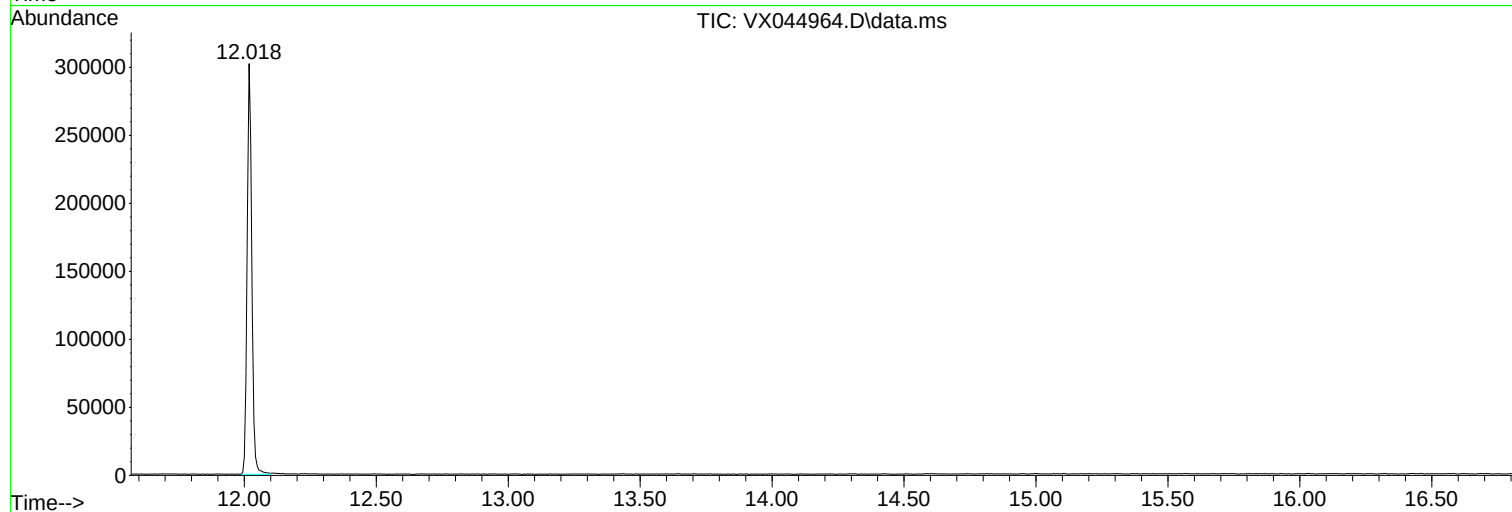
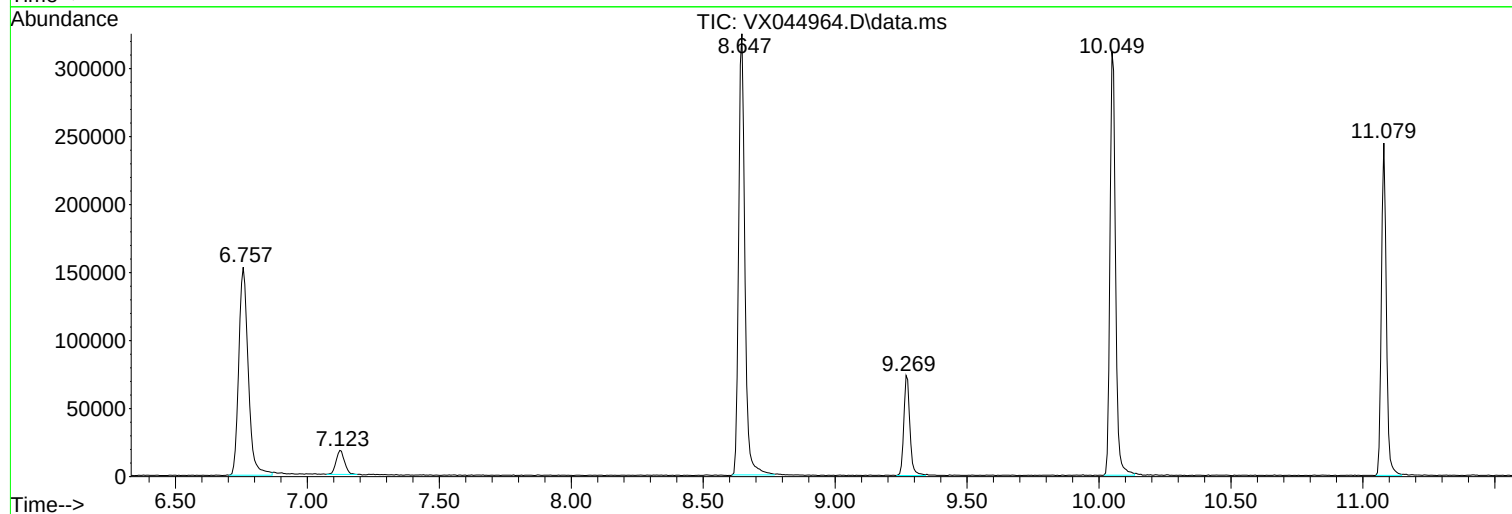
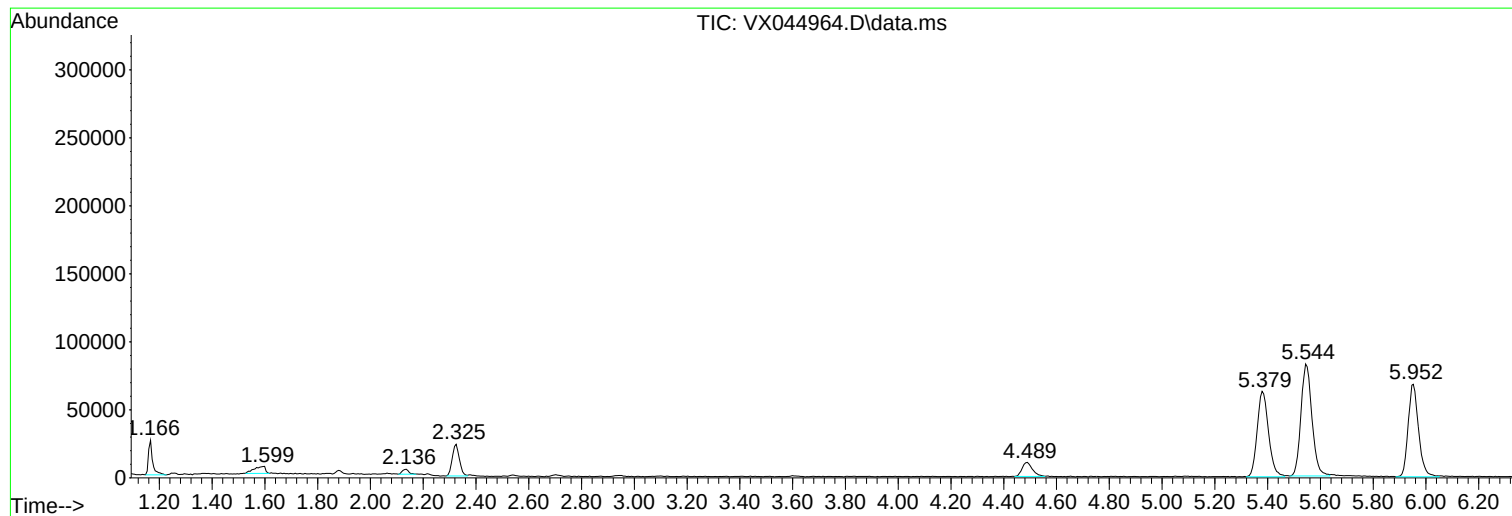
Sum of corrected areas: 2949191

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021425\  
Data File : VX044964.D  
Acq On : 14 Feb 2025 16:15  
Operator : JC/MD  
Sample : Q1363-01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-30D-021125

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021425\  
Data File : VX044964.D  
Acq On : 14 Feb 2025 16:15  
Operator : JC/MD  
Sample : Q1363-01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-30D-021125

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
Quant Title : SW846 8260

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

No Library Search Compounds Detected

\*\*\*\*\*

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021425\  
Data File : VX044964.D  
Acq On : 14 Feb 2025 16:15  
Operator : JC/MD  
Sample : Q1363-01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 18 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-30D-021125

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
Quant Title : SW846 8260

TIC Library : C:\Database\NIST0.L  
TIC Integration Parameters: LSCINT.P

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

## Report of Analysis

|                    |                                            |                 |                              |
|--------------------|--------------------------------------------|-----------------|------------------------------|
| Client:            | TechLaw Consultants, Inc                   | Date Collected: | 02/11/25                     |
| Project:           | REAC Commodore                             | Date Received:  | 02/13/25                     |
| Client Sample ID:  | EB-01-021125                               | SDG No.:        | Q1363                        |
| Lab Sample ID:     | Q1363-02                                   | Matrix:         | Water                        |
| Analytical Method: | SW8260                                     | % Solid:        | 0                            |
| Sample Wt/Vol:     | 5                      Units:    mL        | Final Vol:      | 5000                      uL |
| Soil Aliquot Vol:  | uL                                         | Test:           | VOC-TCLVOA-10                |
| GC Column:         | DB-624UI                      ID :    0.18 | Level :         | LOW                          |
| Prep Method :      |                                            |                 |                              |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX044982.D        | 1         |           | 02/18/25 13:05 | VX021825      |

| CAS Number     | Parameter                      | Conc. | Qualifier | MDL  | LOQ / CRQL | Units |
|----------------|--------------------------------|-------|-----------|------|------------|-------|
| <b>TARGETS</b> |                                |       |           |      |            |       |
| 75-71-8        | Dichlorodifluoromethane        | 0.21  | U         | 0.21 | 1.00       | ug/L  |
| 74-87-3        | Chloromethane                  | 0.35  | U         | 0.35 | 1.00       | ug/L  |
| 75-01-4        | Vinyl Chloride                 | 0.34  | U         | 0.34 | 1.00       | ug/L  |
| 74-83-9        | Bromomethane                   | 1.40  | UQ        | 1.40 | 5.00       | ug/L  |
| 75-00-3        | Chloroethane                   | 0.56  | UQ        | 0.56 | 1.00       | ug/L  |
| 75-69-4        | Trichlorofluoromethane         | 0.34  | U         | 0.34 | 1.00       | ug/L  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 0.25  | U         | 0.25 | 1.00       | ug/L  |
| 75-35-4        | 1,1-Dichloroethene             | 0.26  | U         | 0.26 | 1.00       | ug/L  |
| 67-64-1        | Acetone                        | 22.4  |           | 1.40 | 5.00       | ug/L  |
| 75-15-0        | Carbon Disulfide               | 0.32  | U         | 0.32 | 1.00       | ug/L  |
| 1634-04-4      | Methyl tert-butyl Ether        | 0.16  | U         | 0.16 | 1.00       | ug/L  |
| 79-20-9        | Methyl Acetate                 | 0.60  | U         | 0.60 | 1.00       | ug/L  |
| 75-09-2        | Methylene Chloride             | 0.32  | U         | 0.32 | 1.00       | ug/L  |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.25  | U         | 0.25 | 1.00       | ug/L  |
| 75-34-3        | 1,1-Dichloroethane             | 0.23  | U         | 0.23 | 1.00       | ug/L  |
| 110-82-7       | Cyclohexane                    | 1.60  | U         | 1.60 | 5.00       | ug/L  |
| 78-93-3        | 2-Butanone                     | 1.30  | U         | 1.30 | 5.00       | ug/L  |
| 56-23-5        | Carbon Tetrachloride           | 0.25  | U         | 0.25 | 1.00       | ug/L  |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.25  | U         | 0.25 | 1.00       | ug/L  |
| 74-97-5        | Bromochloromethane             | 0.18  | U         | 0.18 | 1.00       | ug/L  |
| 67-66-3        | Chloroform                     | 0.26  | U         | 0.26 | 1.00       | ug/L  |
| 71-55-6        | 1,1,1-Trichloroethane          | 0.19  | U         | 0.19 | 1.00       | ug/L  |
| 108-87-2       | Methylcyclohexane              | 0.19  | U         | 0.19 | 1.00       | ug/L  |
| 71-43-2        | Benzene                        | 0.16  | U         | 0.16 | 1.00       | ug/L  |
| 107-06-2       | 1,2-Dichloroethane             | 0.24  | U         | 0.24 | 1.00       | ug/L  |
| 79-01-6        | Trichloroethene                | 0.32  | U         | 0.32 | 1.00       | ug/L  |
| 78-87-5        | 1,2-Dichloropropane            | 0.19  | U         | 0.19 | 1.00       | ug/L  |
| 75-27-4        | Bromodichloromethane           | 0.24  | U         | 0.24 | 1.00       | ug/L  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 0.75  | U         | 0.75 | 5.00       | ug/L  |
| 108-88-3       | Toluene                        | 0.18  | U         | 0.18 | 1.00       | ug/L  |

### Report of Analysis

|                    |                          |        |      |                 |               |    |
|--------------------|--------------------------|--------|------|-----------------|---------------|----|
| Client:            | TechLaw Consultants, Inc |        |      | Date Collected: | 02/11/25      |    |
| Project:           | REAC Commodore           |        |      | Date Received:  | 02/13/25      |    |
| Client Sample ID:  | EB-01-021125             |        |      | SDG No.:        | Q1363         |    |
| Lab Sample ID:     | Q1363-02                 |        |      | Matrix:         | Water         |    |
| Analytical Method: | SW8260                   |        |      | % Solid:        | 0             |    |
| Sample Wt/Vol:     | 5                        | Units: | mL   | Final Vol:      | 5000          | uL |
| Soil Aliquot Vol:  |                          |        | uL   | Test:           | VOC-TCLVOA-10 |    |
| GC Column:         | DB-624UI                 | ID :   | 0.18 | Level :         | LOW           |    |
| Prep Method :      |                          |        |      |                 |               |    |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX044982.D        | 1         |           | 02/18/25 13:05 | VX021825      |

| CAS Number                | Parameter                   | Conc.  | Qualifier | MDL      | LOQ / CRQL | Units   |
|---------------------------|-----------------------------|--------|-----------|----------|------------|---------|
| 10061-02-6                | t-1,3-Dichloropropene       | 0.21   | U         | 0.21     | 1.00       | ug/L    |
| 10061-01-5                | cis-1,3-Dichloropropene     | 0.18   | U         | 0.18     | 1.00       | ug/L    |
| 79-00-5                   | 1,1,2-Trichloroethane       | 0.21   | U         | 0.21     | 1.00       | ug/L    |
| 591-78-6                  | 2-Hexanone                  | 1.10   | U         | 1.10     | 5.00       | ug/L    |
| 124-48-1                  | Dibromochloromethane        | 0.18   | U         | 0.18     | 1.00       | ug/L    |
| 106-93-4                  | 1,2-Dibromoethane           | 0.16   | U         | 0.16     | 1.00       | ug/L    |
| 127-18-4                  | Tetrachloroethene           | 0.25   | U         | 0.25     | 1.00       | ug/L    |
| 108-90-7                  | Chlorobenzene               | 0.13   | U         | 0.13     | 1.00       | ug/L    |
| 100-41-4                  | Ethyl Benzene               | 0.16   | U         | 0.16     | 1.00       | ug/L    |
| 179601-23-1               | m/p-Xylenes                 | 0.31   | U         | 0.31     | 2.00       | ug/L    |
| 95-47-6                   | o-Xylene                    | 0.14   | U         | 0.14     | 1.00       | ug/L    |
| 100-42-5                  | Styrene                     | 0.16   | U         | 0.16     | 1.00       | ug/L    |
| 75-25-2                   | Bromoform                   | 0.21   | U         | 0.21     | 1.00       | ug/L    |
| 98-82-8                   | Isopropylbenzene            | 0.13   | U         | 0.13     | 1.00       | ug/L    |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane   | 0.27   | U         | 0.27     | 1.00       | ug/L    |
| 541-73-1                  | 1,3-Dichlorobenzene         | 0.24   | U         | 0.24     | 1.00       | ug/L    |
| 106-46-7                  | 1,4-Dichlorobenzene         | 0.27   | U         | 0.27     | 1.00       | ug/L    |
| 95-50-1                   | 1,2-Dichlorobenzene         | 0.19   | U         | 0.19     | 1.00       | ug/L    |
| 96-12-8                   | 1,2-Dibromo-3-Chloropropane | 0.46   | U         | 0.46     | 1.00       | ug/L    |
| 120-82-1                  | 1,2,4-Trichlorobenzene      | 0.42   | U         | 0.42     | 1.00       | ug/L    |
| 87-61-6                   | 1,2,3-Trichlorobenzene      | 0.51   | U         | 0.51     | 1.00       | ug/L    |
| <b>SURROGATES</b>         |                             |        |           |          |            |         |
| 17060-07-0                | 1,2-Dichloroethane-d4       | 54.7   |           | 74 - 125 | 109%       | SPK: 50 |
| 1868-53-7                 | Dibromofluoromethane        | 51.6   |           | 75 - 124 | 103%       | SPK: 50 |
| 2037-26-5                 | Toluene-d8                  | 50.8   |           | 86 - 113 | 102%       | SPK: 50 |
| 460-00-4                  | 4-Bromofluorobenzene        | 51.8   |           | 77 - 121 | 104%       | SPK: 50 |
| <b>INTERNAL STANDARDS</b> |                             |        |           |          |            |         |
| 363-72-4                  | Pentafluorobenzene          | 84300  | 5.544     |          |            |         |
| 540-36-3                  | 1,4-Difluorobenzene         | 170000 | 6.757     |          |            |         |
| 3114-55-4                 | Chlorobenzene-d5            | 154000 | 10.049    |          |            |         |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4      | 67100  | 12.018    |          |            |         |

## Report of Analysis

|                    |                                            |                 |                              |
|--------------------|--------------------------------------------|-----------------|------------------------------|
| Client:            | TechLaw Consultants, Inc                   | Date Collected: | 02/11/25                     |
| Project:           | REAC Commodore                             | Date Received:  | 02/13/25                     |
| Client Sample ID:  | EB-01-021125                               | SDG No.:        | Q1363                        |
| Lab Sample ID:     | Q1363-02                                   | Matrix:         | Water                        |
| Analytical Method: | SW8260                                     | % Solid:        | 0                            |
| Sample Wt/Vol:     | 5                      Units:    mL        | Final Vol:      | 5000                      uL |
| Soil Aliquot Vol:  | uL                                         | Test:           | VOC-TCLVOA-10                |
| GC Column:         | DB-624UI                      ID :    0.18 | Level :         | LOW                          |
| Prep Method :      |                                            |                 |                              |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX044982.D        | 1         |           | 02/18/25 13:05 | VX021825      |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|------------|-----------|-------|-----------|-----|------------|-------|
|------------|-----------|-------|-----------|-----|------------|-------|

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021825\  
 Data File : VX044982.D  
 Acq On : 18 Feb 2025 13:05  
 Operator : JC/MD  
 Sample : Q1363-02RE  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 EB-01-021125

Quant Time: Feb 18 13:44:43 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 11 03:41:08 2025  
 Response via : Initial Calibration

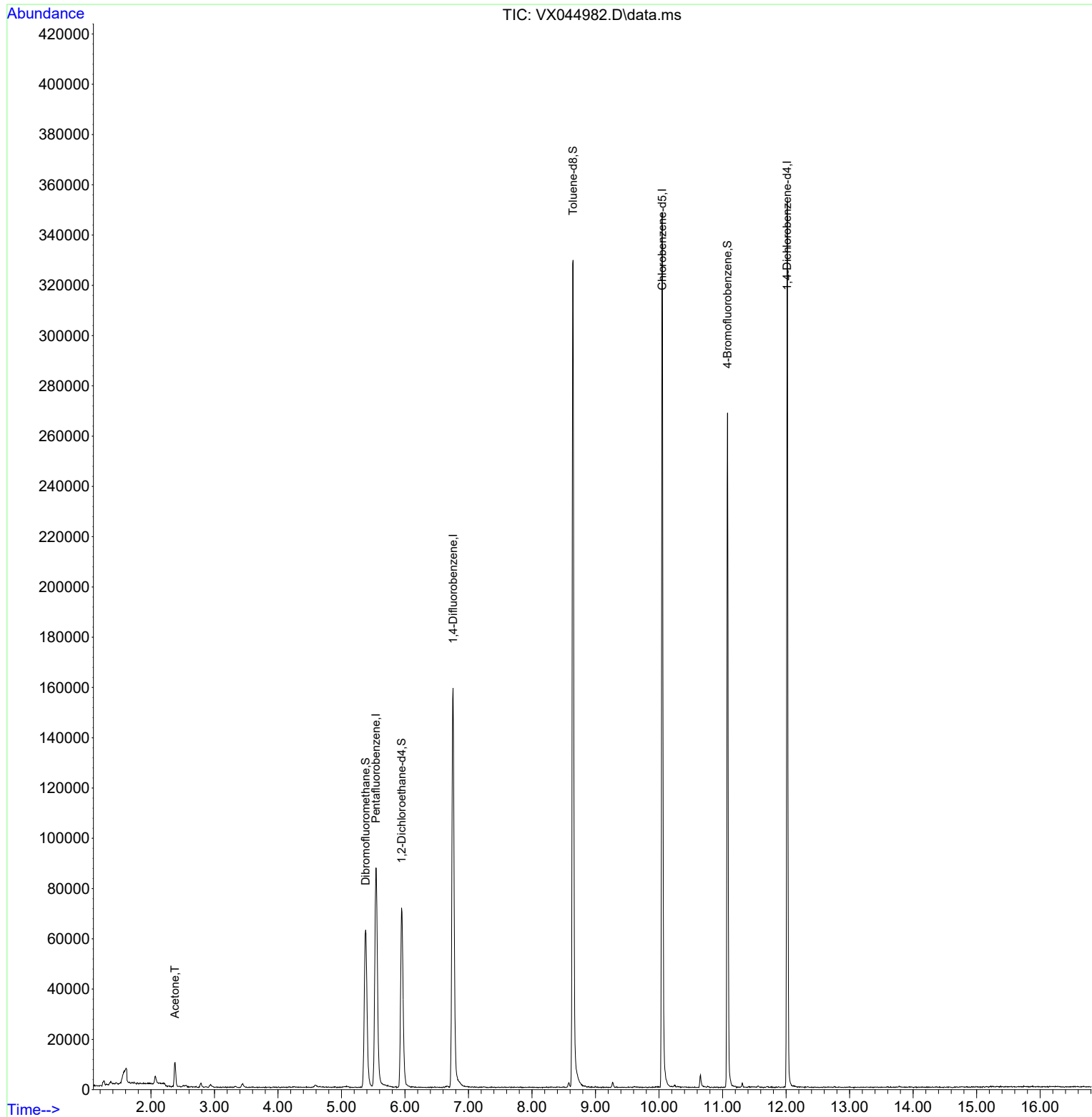
| Compound                    | R.T.   | QIon  | Response | Conc     | Units     | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-----------|----------|
| -----                       |        |       |          |          |           |          |
| Internal Standards          |        |       |          |          |           |          |
| 1) Pentafluorobenzene       | 5.544  | 168   | 84342    | 50.00    | ug/l      | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.757  | 114   | 169783   | 50.00    | ug/l      | 0.00     |
| 63) Chlorobenzene-d5        | 10.049 | 117   | 153945   | 50.00    | ug/l      | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.018 | 152   | 67101    | 50.00    | ug/l      | 0.00     |
| System Monitoring Compounds |        |       |          |          |           |          |
| 33) 1,2-Dichloroethane-d4   | 5.946  | 65    | 67541    | 54.71    | ug/l      | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | = 109.42% |          |
| 35) Dibromofluoromethane    | 5.379  | 113   | 56940    | 51.58    | ug/l      | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | = 103.16% |          |
| 50) Toluene-d8              | 8.647  | 98    | 211962   | 50.78    | ug/l      | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | = 101.56% |          |
| 62) 4-Bromofluorobenzene    | 11.079 | 95    | 72908    | 51.81    | ug/l      | 0.00     |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | = 103.62% |          |
| Target Compounds            |        |       |          |          |           | Qvalue   |
| 16) Acetone                 | 2.380  | 43    | 11095    | 22.35    | ug/l      | 95       |
| -----                       |        |       |          |          |           |          |

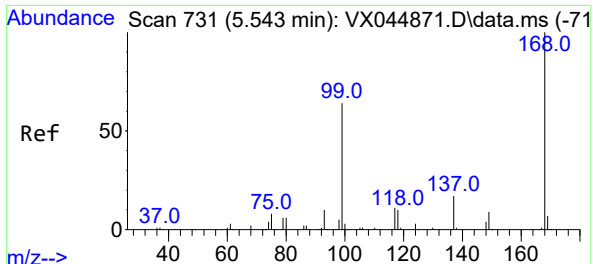
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021825\  
Data File : VX044982.D  
Acq On : 18 Feb 2025 13:05  
Operator : JC/MD  
Sample : Q1363-02RE  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
EB-01-021125

Quant Time: Feb 18 13:44:43 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
Quant Title : SW846 8260  
QLast Update : Tue Feb 11 03:41:08 2025  
Response via : Initial Calibration

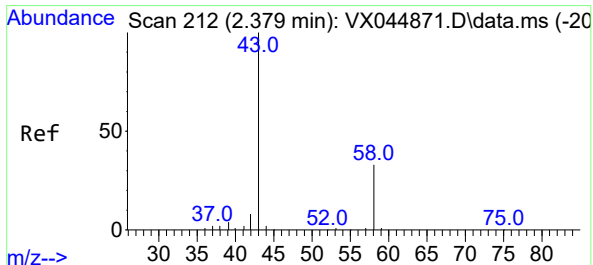
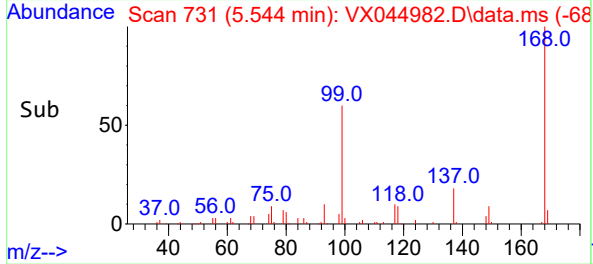
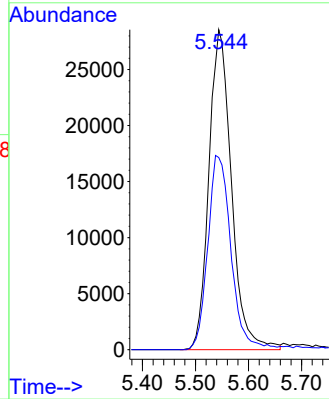
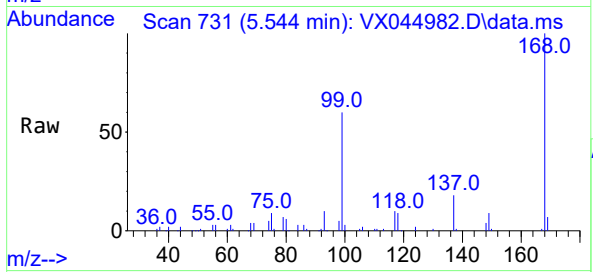




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 5.544 min Scan# 71  
Delta R.T. 0.001 min  
Lab File: VX044982.D  
Acq: 18 Feb 2025 13:05

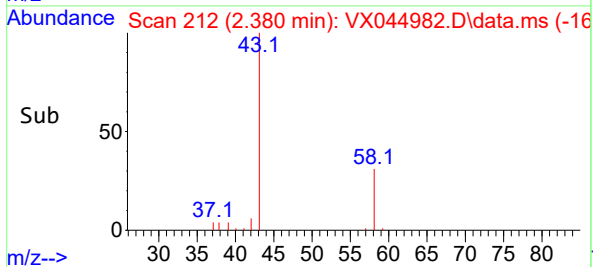
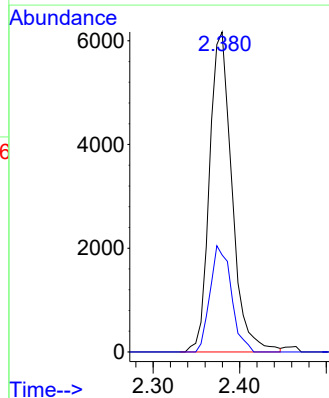
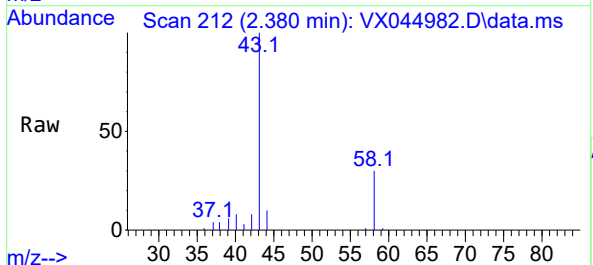
Instrument :  
MSVOA\_X  
ClientSampleId :  
EB-01-021125

Tgt Ion:168 Resp: 84342  
Ion Ratio Lower Upper  
168 100  
99 60.1 51.2 76.8

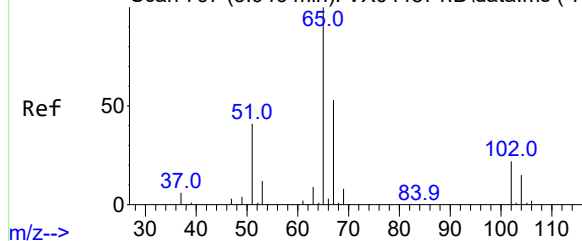


#16  
Acetone  
Concen: 22.35 ug/l  
RT: 2.380 min Scan# 212  
Delta R.T. 0.000 min  
Lab File: VX044982.D  
Acq: 18 Feb 2025 13:05

Tgt Ion: 43 Resp: 11095  
Ion Ratio Lower Upper  
43 100  
58 30.3 26.5 39.7



Abundance Scan 797 (5.946 min): VX044871.D\data.ms (-78



#33

1,2-Dichloroethane-d4

Concen: 54.71 ug/l

RT: 5.946 min Scan# 79

Delta R.T. 0.000 min

Lab File: VX044982.D

Acq: 18 Feb 2025 13:05

Instrument :

MSVOA\_X

ClientSampleId :

EB-01-021125

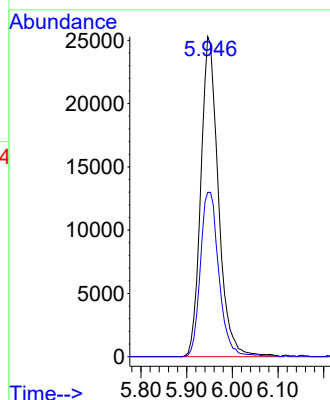
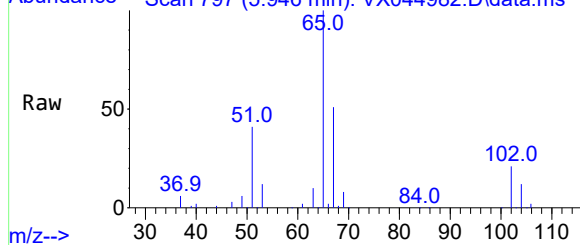
Tgt Ion: 65 Resp: 67541

Ion Ratio Lower Upper

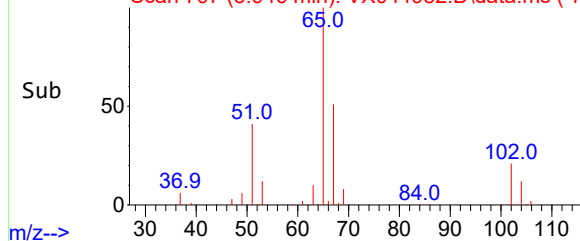
65 100

67 54.0 0.0 108.2

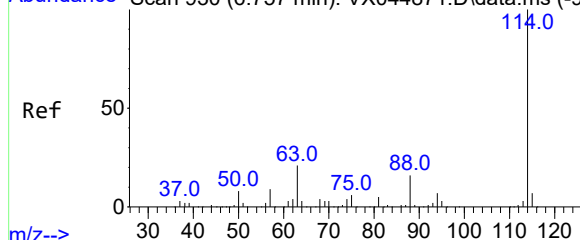
Abundance Scan 797 (5.946 min): VX044982.D\data.ms



Abundance Scan 797 (5.946 min): VX044982.D\data.ms (-74



Abundance Scan 930 (6.757 min): VX044871.D\data.ms (-92



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX044982.D

Acq: 18 Feb 2025 13:05

Tgt Ion: 114 Resp: 169783

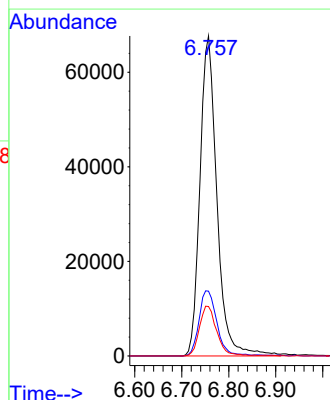
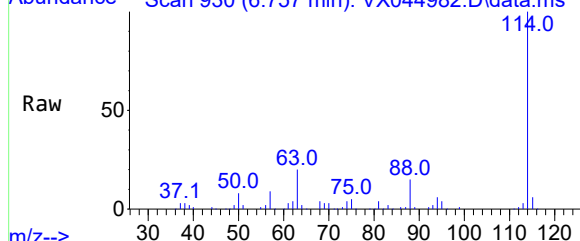
Ion Ratio Lower Upper

114 100

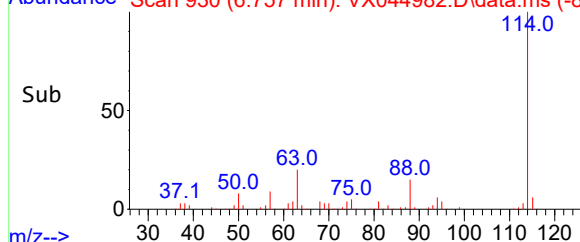
63 20.2 0.0 42.4

88 15.4 0.0 31.4

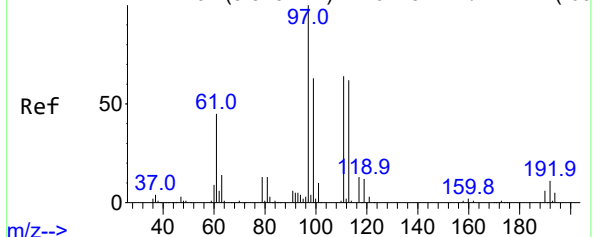
Abundance Scan 930 (6.757 min): VX044982.D\data.ms



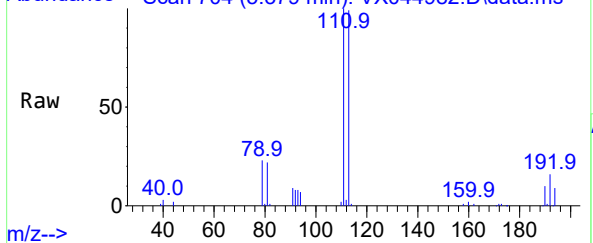
Abundance Scan 930 (6.757 min): VX044982.D\data.ms (-88



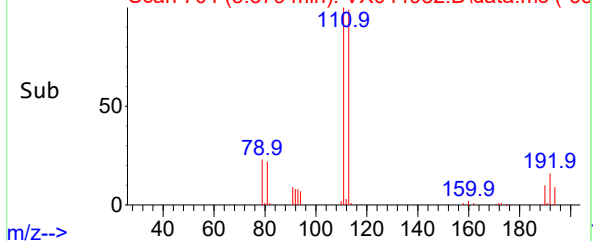
Abundance Scan 704 (5.379 min): VX044871.D\data.ms (-69



Abundance Scan 704 (5.379 min): VX044982.D\data.ms



Abundance Scan 704 (5.379 min): VX044982.D\data.ms (-65



#35

Dibromofluoromethane

Concen: 51.58 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX044982.D

Acq: 18 Feb 2025 13:05

Instrument :

MSVOA\_X

ClientSampleId :

EB-01-021125

Tgt Ion:113 Resp: 56940

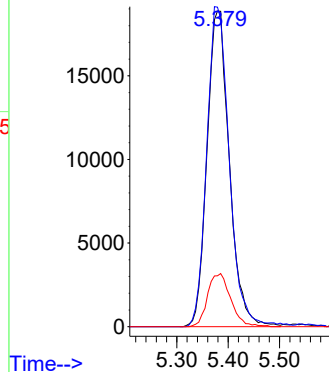
Ion Ratio Lower Upper

113 100

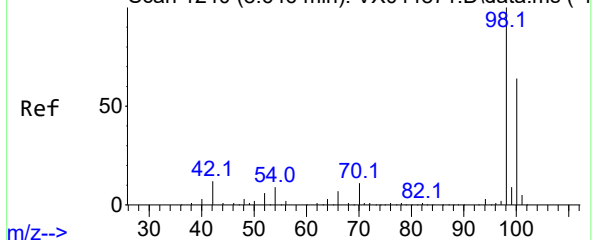
111 102.5 83.5 125.3

192 17.4 14.4 21.6

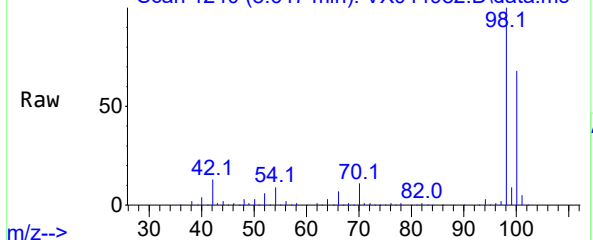
Abundance



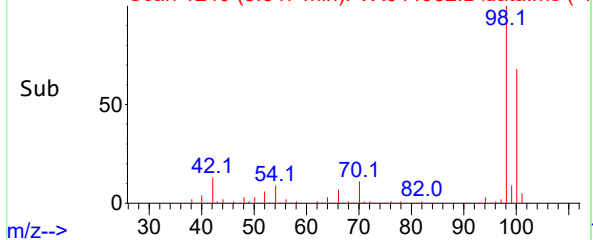
Abundance Scan 1240 (8.646 min): VX044871.D\data.ms (-1



Abundance Scan 1240 (8.647 min): VX044982.D\data.ms



Abundance Scan 1240 (8.647 min): VX044982.D\data.ms (-1



#50

Toluene-d8

Concen: 50.78 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

Lab File: VX044982.D

Acq: 18 Feb 2025 13:05

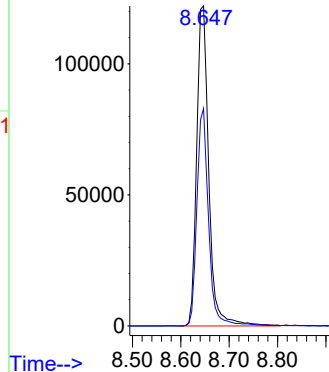
Tgt Ion: 98 Resp: 211962

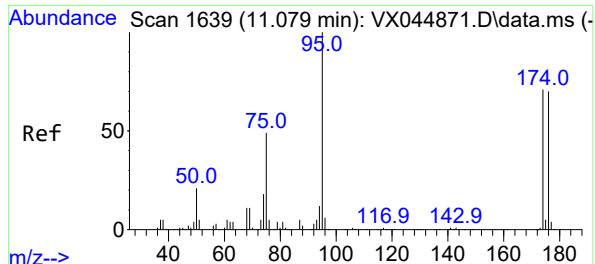
Ion Ratio Lower Upper

98 100

100 65.4 52.7 79.1

Abundance





#62

4-Bromofluorobenzene

Concen: 51.81 ug/l

RT: 11.079 min Scan# 1

Delta R.T. 0.000 min

Lab File: VX044982.D

Acq: 18 Feb 2025 13:05

Instrument :

MSVOA\_X

ClientSampleId :

EB-01-021125

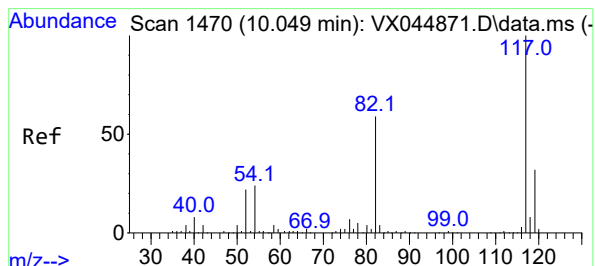
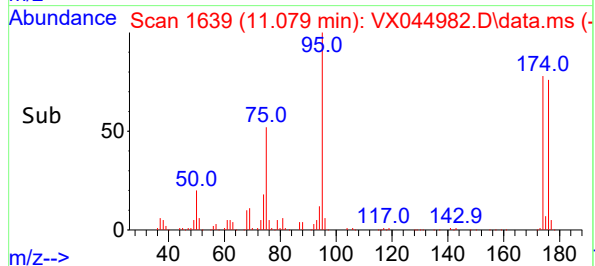
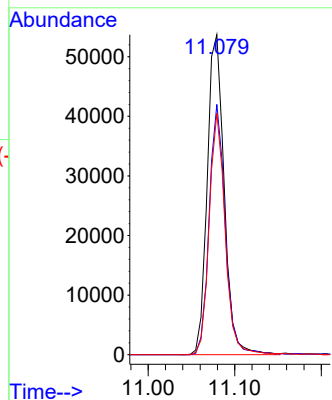
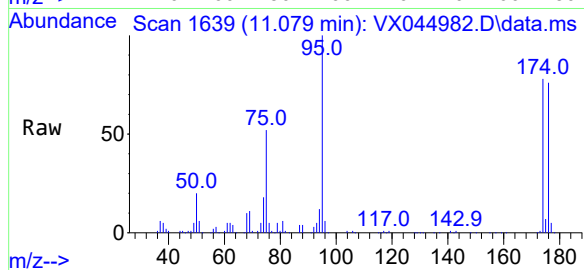
Tgt Ion: 95 Resp: 72908

Ion Ratio Lower Upper

95 100

174 74.4 0.0 142.6

176 71.1 0.0 141.6



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. 0.000 min

Lab File: VX044982.D

Acq: 18 Feb 2025 13:05

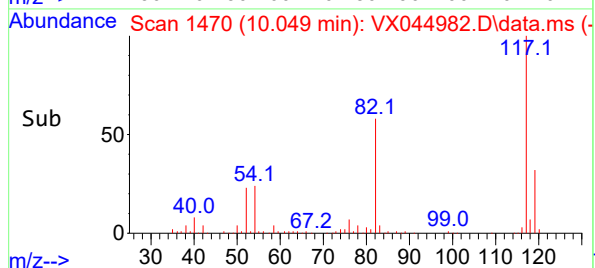
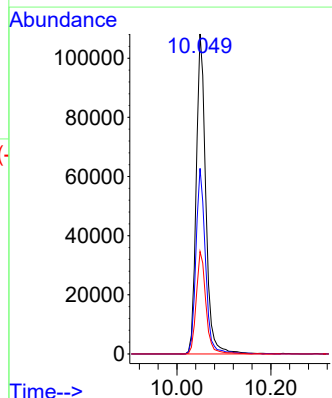
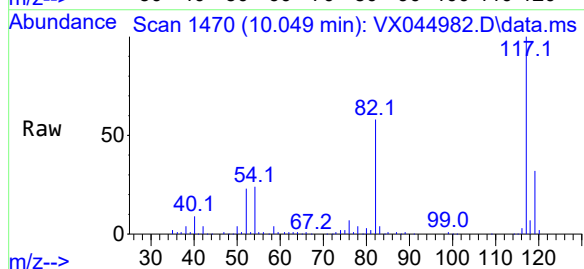
Tgt Ion: 117 Resp: 153945

Ion Ratio Lower Upper

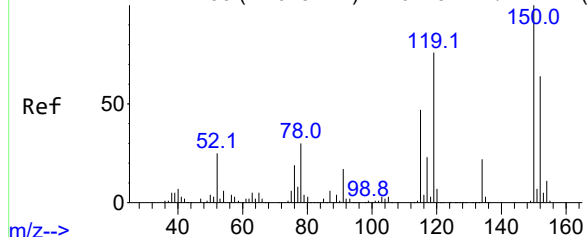
117 100

82 58.0 47.5 71.3

119 32.0 25.4 38.0



Abundance Scan 1793 (12.018 min): VX044871.D\data.ms (-



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 12.018 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX044982.D

Acq: 18 Feb 2025 13:05

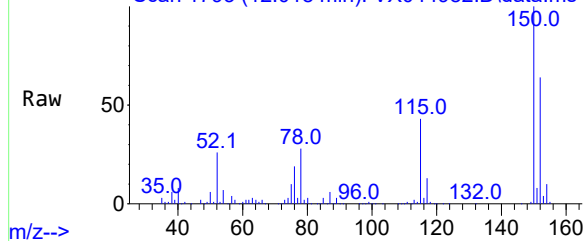
Instrument :

MSVOA\_X

ClientSampleId :

EB-01-021125

Abundance Scan 1793 (12.018 min): VX044982.D\data.ms



Tgt Ion:152 Resp: 67101

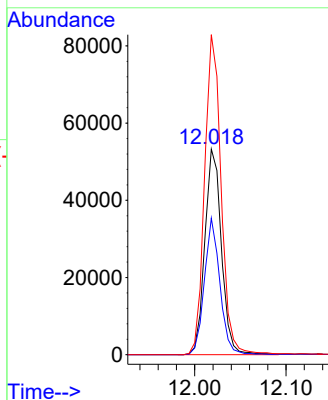
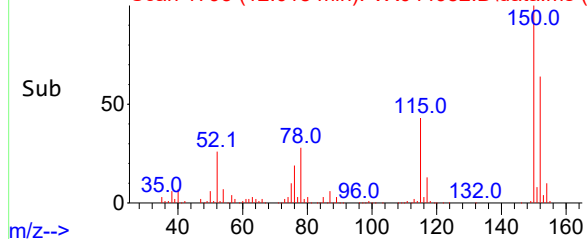
Ion Ratio Lower Upper

152 100

115 62.2 43.4 130.1

150 155.3 0.0 350.4

Abundance Scan 1793 (12.018 min): VX044982.D\data.ms (-



## Report of Analysis

|                    |                                            |                 |                              |
|--------------------|--------------------------------------------|-----------------|------------------------------|
| Client:            | TechLaw Consultants, Inc                   | Date Collected: | 02/11/25                     |
| Project:           | REAC Commodore                             | Date Received:  | 02/13/25                     |
| Client Sample ID:  | TB-01-021125                               | SDG No.:        | Q1363                        |
| Lab Sample ID:     | Q1363-03                                   | Matrix:         | Water                        |
| Analytical Method: | SW8260                                     | % Solid:        | 0                            |
| Sample Wt/Vol:     | 5                      Units:    mL        | Final Vol:      | 5000                      uL |
| Soil Aliquot Vol:  | uL                                         | Test:           | VOC-TCLVOA-10                |
| GC Column:         | DB-624UI                      ID :    0.18 | Level :         | LOW                          |
| Prep Method :      |                                            |                 |                              |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX044966.D        | 1         |           | 02/14/25 17:01 | VX021425      |

| CAS Number     | Parameter                      | Conc. | Qualifier | MDL  | LOQ / CRQL | Units |
|----------------|--------------------------------|-------|-----------|------|------------|-------|
| <b>TARGETS</b> |                                |       |           |      |            |       |
| 75-71-8        | Dichlorodifluoromethane        | 0.21  | U         | 0.21 | 1.00       | ug/L  |
| 74-87-3        | Chloromethane                  | 0.35  | U         | 0.35 | 1.00       | ug/L  |
| 75-01-4        | Vinyl Chloride                 | 0.34  | U         | 0.34 | 1.00       | ug/L  |
| 74-83-9        | Bromomethane                   | 1.40  | U         | 1.40 | 5.00       | ug/L  |
| 75-00-3        | Chloroethane                   | 0.56  | U         | 0.56 | 1.00       | ug/L  |
| 75-69-4        | Trichlorofluoromethane         | 0.34  | U         | 0.34 | 1.00       | ug/L  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 0.25  | U         | 0.25 | 1.00       | ug/L  |
| 75-35-4        | 1,1-Dichloroethene             | 0.26  | U         | 0.26 | 1.00       | ug/L  |
| 67-64-1        | Acetone                        | 1.40  | U         | 1.40 | 5.00       | ug/L  |
| 75-15-0        | Carbon Disulfide               | 0.32  | U         | 0.32 | 1.00       | ug/L  |
| 1634-04-4      | Methyl tert-butyl Ether        | 0.16  | U         | 0.16 | 1.00       | ug/L  |
| 79-20-9        | Methyl Acetate                 | 0.60  | U         | 0.60 | 1.00       | ug/L  |
| 75-09-2        | Methylene Chloride             | 0.32  | U         | 0.32 | 1.00       | ug/L  |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.25  | U         | 0.25 | 1.00       | ug/L  |
| 75-34-3        | 1,1-Dichloroethane             | 0.23  | U         | 0.23 | 1.00       | ug/L  |
| 110-82-7       | Cyclohexane                    | 1.60  | U         | 1.60 | 5.00       | ug/L  |
| 78-93-3        | 2-Butanone                     | 1.30  | U         | 1.30 | 5.00       | ug/L  |
| 56-23-5        | Carbon Tetrachloride           | 0.25  | U         | 0.25 | 1.00       | ug/L  |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.25  | U         | 0.25 | 1.00       | ug/L  |
| 74-97-5        | Bromochloromethane             | 0.18  | U         | 0.18 | 1.00       | ug/L  |
| 67-66-3        | Chloroform                     | 0.26  | U         | 0.26 | 1.00       | ug/L  |
| 71-55-6        | 1,1,1-Trichloroethane          | 0.19  | U         | 0.19 | 1.00       | ug/L  |
| 108-87-2       | Methylcyclohexane              | 0.19  | U         | 0.19 | 1.00       | ug/L  |
| 71-43-2        | Benzene                        | 0.16  | U         | 0.16 | 1.00       | ug/L  |
| 107-06-2       | 1,2-Dichloroethane             | 0.24  | U         | 0.24 | 1.00       | ug/L  |
| 79-01-6        | Trichloroethene                | 0.32  | U         | 0.32 | 1.00       | ug/L  |
| 78-87-5        | 1,2-Dichloropropane            | 0.19  | U         | 0.19 | 1.00       | ug/L  |
| 75-27-4        | Bromodichloromethane           | 0.24  | U         | 0.24 | 1.00       | ug/L  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 0.75  | U         | 0.75 | 5.00       | ug/L  |
| 108-88-3       | Toluene                        | 0.18  | U         | 0.18 | 1.00       | ug/L  |

### Report of Analysis

|                    |                          |           |                 |               |    |
|--------------------|--------------------------|-----------|-----------------|---------------|----|
| Client:            | TechLaw Consultants, Inc |           | Date Collected: | 02/11/25      |    |
| Project:           | REAC Commodore           |           | Date Received:  | 02/13/25      |    |
| Client Sample ID:  | TB-01-021125             |           | SDG No.:        | Q1363         |    |
| Lab Sample ID:     | Q1363-03                 |           | Matrix:         | Water         |    |
| Analytical Method: | SW8260                   |           | % Solid:        | 0             |    |
| Sample Wt/Vol:     | 5                        | Units: mL | Final Vol:      | 5000          | uL |
| Soil Aliquot Vol:  |                          | uL        | Test:           | VOC-TCLVOA-10 |    |
| GC Column:         | DB-624UI                 | ID : 0.18 | Level :         | LOW           |    |
| Prep Method :      |                          |           |                 |               |    |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX044966.D        | 1         |           | 02/14/25 17:01 | VX021425      |

| CAS Number                | Parameter                   | Conc.  | Qualifier | MDL      | LOQ / CRQL | Units   |
|---------------------------|-----------------------------|--------|-----------|----------|------------|---------|
| 10061-02-6                | t-1,3-Dichloropropene       | 0.21   | U         | 0.21     | 1.00       | ug/L    |
| 10061-01-5                | cis-1,3-Dichloropropene     | 0.18   | U         | 0.18     | 1.00       | ug/L    |
| 79-00-5                   | 1,1,2-Trichloroethane       | 0.21   | U         | 0.21     | 1.00       | ug/L    |
| 591-78-6                  | 2-Hexanone                  | 1.10   | UQ        | 1.10     | 5.00       | ug/L    |
| 124-48-1                  | Dibromochloromethane        | 0.18   | U         | 0.18     | 1.00       | ug/L    |
| 106-93-4                  | 1,2-Dibromoethane           | 0.16   | U         | 0.16     | 1.00       | ug/L    |
| 127-18-4                  | Tetrachloroethene           | 0.25   | U         | 0.25     | 1.00       | ug/L    |
| 108-90-7                  | Chlorobenzene               | 0.13   | U         | 0.13     | 1.00       | ug/L    |
| 100-41-4                  | Ethyl Benzene               | 0.16   | U         | 0.16     | 1.00       | ug/L    |
| 179601-23-1               | m/p-Xylenes                 | 0.31   | U         | 0.31     | 2.00       | ug/L    |
| 95-47-6                   | o-Xylene                    | 0.14   | U         | 0.14     | 1.00       | ug/L    |
| 100-42-5                  | Styrene                     | 0.16   | U         | 0.16     | 1.00       | ug/L    |
| 75-25-2                   | Bromoform                   | 0.21   | U         | 0.21     | 1.00       | ug/L    |
| 98-82-8                   | Isopropylbenzene            | 0.13   | U         | 0.13     | 1.00       | ug/L    |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane   | 0.27   | U         | 0.27     | 1.00       | ug/L    |
| 541-73-1                  | 1,3-Dichlorobenzene         | 0.24   | U         | 0.24     | 1.00       | ug/L    |
| 106-46-7                  | 1,4-Dichlorobenzene         | 0.27   | U         | 0.27     | 1.00       | ug/L    |
| 95-50-1                   | 1,2-Dichlorobenzene         | 0.19   | U         | 0.19     | 1.00       | ug/L    |
| 96-12-8                   | 1,2-Dibromo-3-Chloropropane | 0.46   | U         | 0.46     | 1.00       | ug/L    |
| 120-82-1                  | 1,2,4-Trichlorobenzene      | 0.42   | U         | 0.42     | 1.00       | ug/L    |
| 87-61-6                   | 1,2,3-Trichlorobenzene      | 0.51   | U         | 0.51     | 1.00       | ug/L    |
| <b>SURROGATES</b>         |                             |        |           |          |            |         |
| 17060-07-0                | 1,2-Dichloroethane-d4       | 58.0   |           | 74 - 125 | 116%       | SPK: 50 |
| 1868-53-7                 | Dibromofluoromethane        | 53.2   |           | 75 - 124 | 106%       | SPK: 50 |
| 2037-26-5                 | Toluene-d8                  | 51.7   |           | 86 - 113 | 103%       | SPK: 50 |
| 460-00-4                  | 4-Bromofluorobenzene        | 55.6   |           | 77 - 121 | 111%       | SPK: 50 |
| <b>INTERNAL STANDARDS</b> |                             |        |           |          |            |         |
| 363-72-4                  | Pentafluorobenzene          | 81500  | 5.55      |          |            |         |
| 540-36-3                  | 1,4-Difluorobenzene         | 167000 | 6.757     |          |            |         |
| 3114-55-4                 | Chlorobenzene-d5            | 161000 | 10.049    |          |            |         |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4      | 74000  | 12.018    |          |            |         |

## Report of Analysis

|                    |                          |           |                 |               |    |
|--------------------|--------------------------|-----------|-----------------|---------------|----|
| Client:            | TechLaw Consultants, Inc |           | Date Collected: | 02/11/25      |    |
| Project:           | REAC Commodore           |           | Date Received:  | 02/13/25      |    |
| Client Sample ID:  | TB-01-021125             |           | SDG No.:        | Q1363         |    |
| Lab Sample ID:     | Q1363-03                 |           | Matrix:         | Water         |    |
| Analytical Method: | SW8260                   |           | % Solid:        | 0             |    |
| Sample Wt/Vol:     | 5                        | Units: mL | Final Vol:      | 5000          | uL |
| Soil Aliquot Vol:  |                          | uL        | Test:           | VOC-TCLVOA-10 |    |
| GC Column:         | DB-624UI                 | ID : 0.18 | Level :         | LOW           |    |
| Prep Method :      |                          |           |                 |               |    |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX044966.D        | 1         |           | 02/14/25 17:01 | VX021425      |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|------------|-----------|-------|-----------|-----|------------|-------|
|------------|-----------|-------|-----------|-----|------------|-------|

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021425\  
 Data File : VX044966.D  
 Acq On : 14 Feb 2025 17:01  
 Operator : JC/MD  
 Sample : Q1363-03  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 TB-01-021125

Quant Time: Feb 14 22:17:16 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 11 03:41:08 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.550  | 168  | 81534    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.757  | 114  | 167151   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.049 | 117  | 161346   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152  | 74015    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 5.952  | 65    | 69169    | 57.954   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 115.900% |
| 35) Dibromofluoromethane    | 5.385  | 113   | 57847    | 53.229   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 106.460% |
| 50) Toluene-d8              | 8.647  | 98    | 212595   | 51.733   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 103.460% |
| 62) 4-Bromofluorobenzene    | 11.079 | 95    | 77009    | 55.586   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =    | 111.180% |

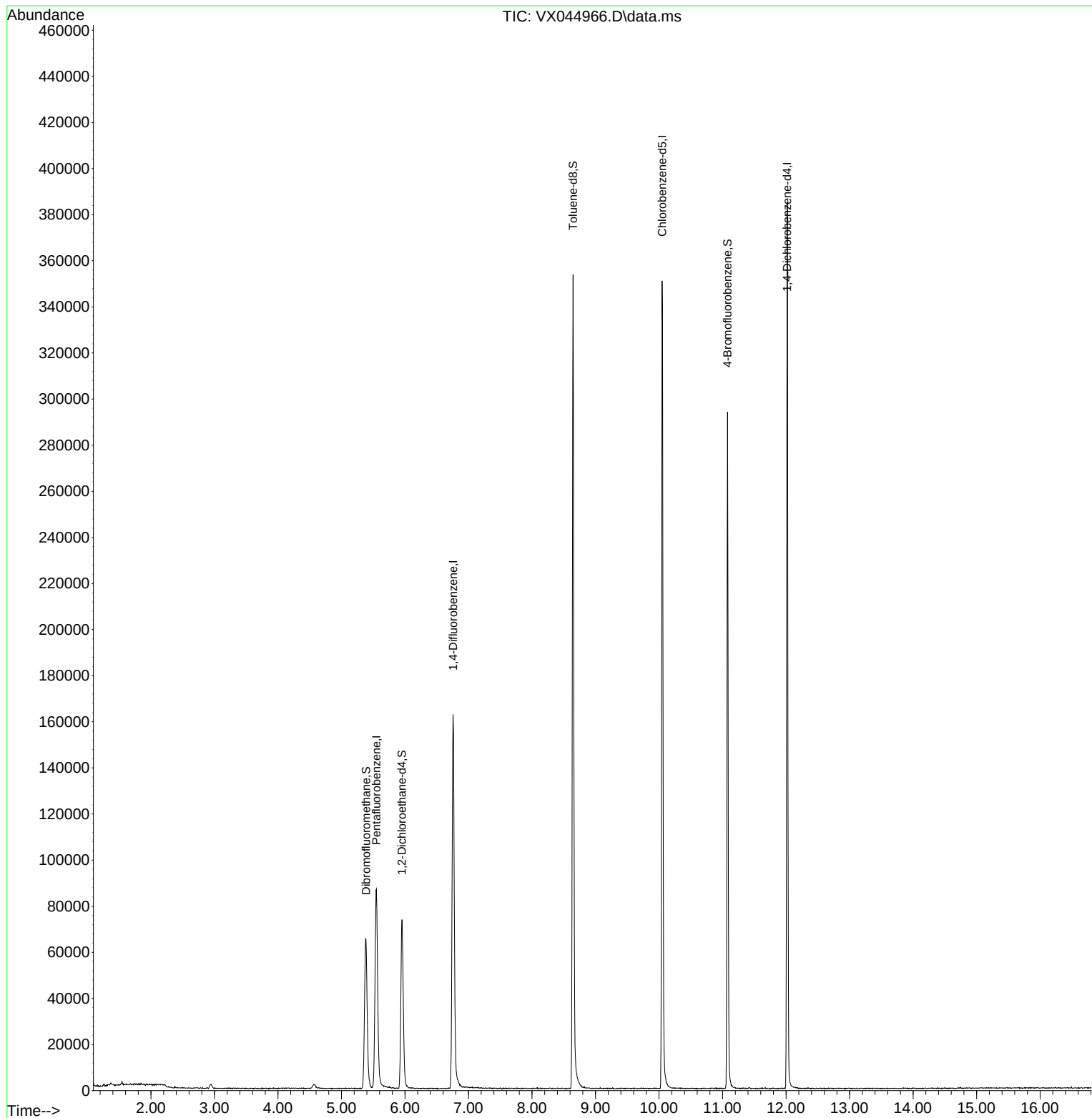
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

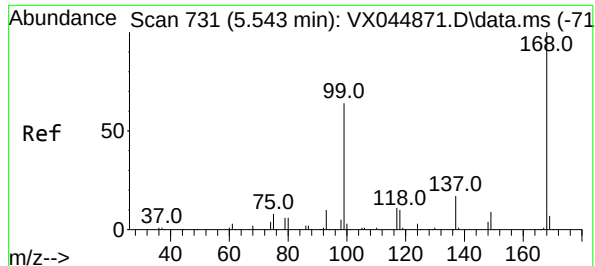
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021425\  
Data File : VX044966.D  
Acq On : 14 Feb 2025 17:01  
Operator : JC/MD  
Sample : Q1363-03  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
TB-01-021125

Quant Time: Feb 14 22:17:16 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
Quant Title : SW846 8260  
QLast Update : Tue Feb 11 03:41:08 2025  
Response via : Initial Calibration

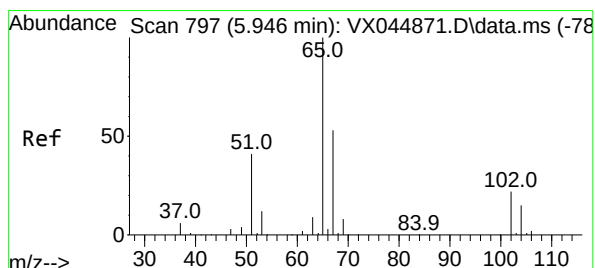
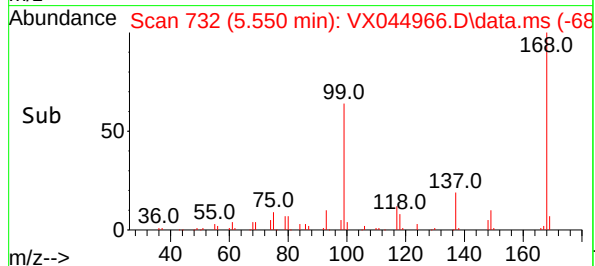
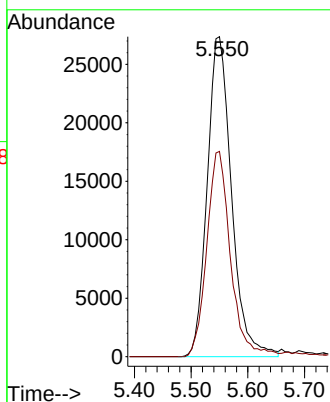
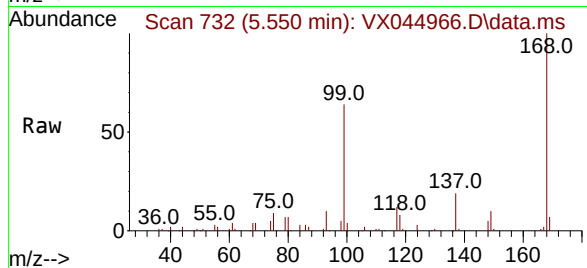




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. 0.007 min  
Lab File: VX044966.D  
Acq: 14 Feb 2025 17:01

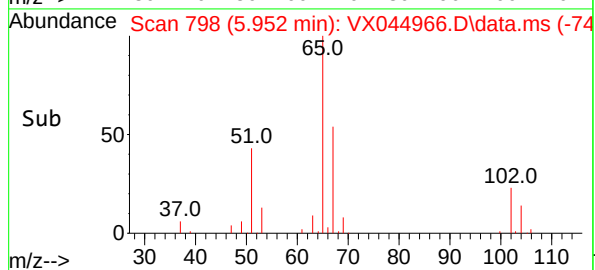
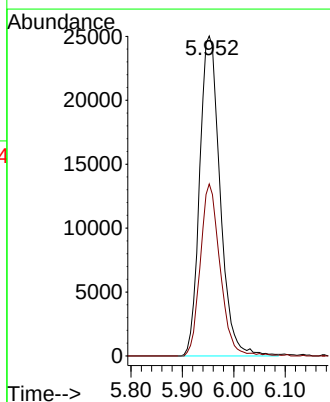
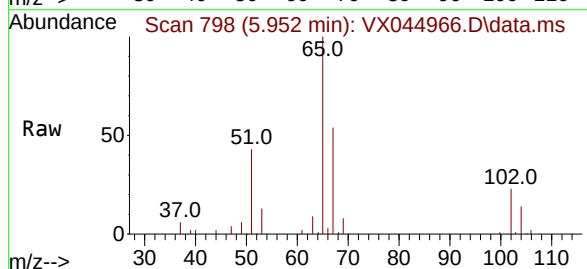
Instrument :  
MSVOA\_X  
ClientSampleId :  
TB-01-021125

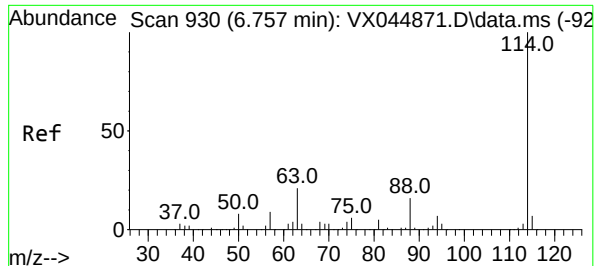
Tgt Ion:168 Resp: 81534  
Ion Ratio Lower Upper  
168 100  
99 64.1 51.2 76.8



#33  
1,2-Dichloroethane-d4  
Concen: 57.954 ug/l  
RT: 5.952 min Scan# 798  
Delta R.T. 0.006 min  
Lab File: VX044966.D  
Acq: 14 Feb 2025 17:01

Tgt Ion: 65 Resp: 69169  
Ion Ratio Lower Upper  
65 100  
67 52.0 0.0 108.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 91

Delta R.T. 0.000 min

Lab File: VX044966.D

Acq: 14 Feb 2025 17:01

Instrument :

MSVOA\_X

ClientSampleId :

TB-01-021125

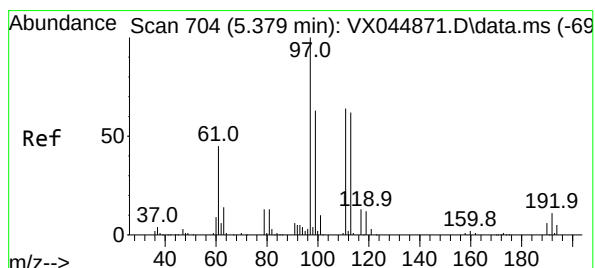
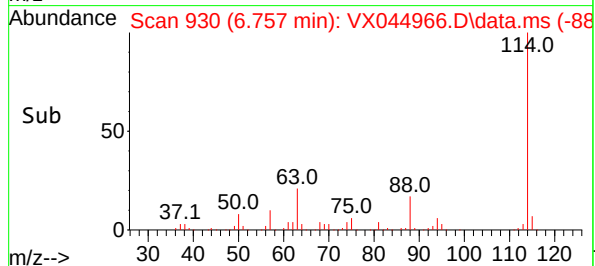
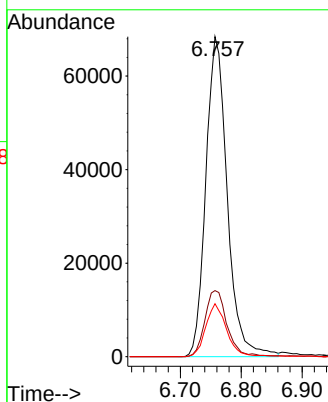
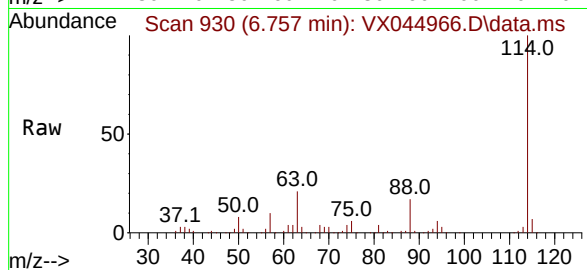
Tgt Ion:114 Resp: 167151

Ion Ratio Lower Upper

114 100

63 20.7 0.0 42.4

88 16.5 0.0 31.4



#35

Dibromofluoromethane

Concen: 53.229 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.006 min

Lab File: VX044966.D

Acq: 14 Feb 2025 17:01

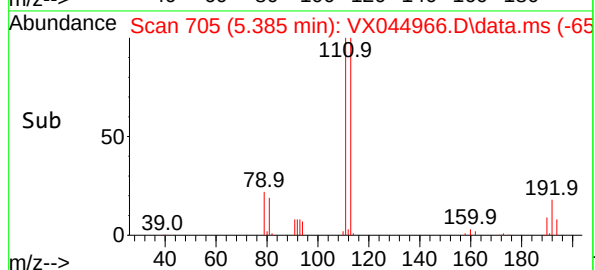
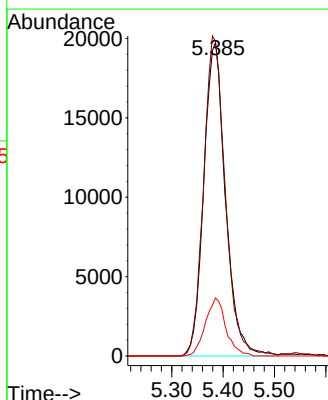
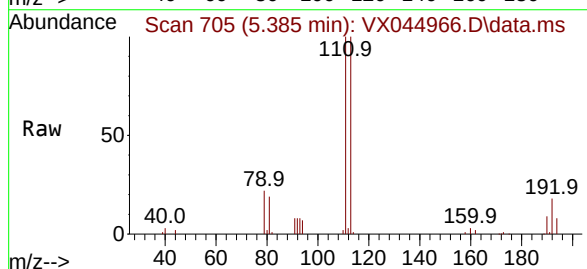
Tgt Ion:113 Resp: 57847

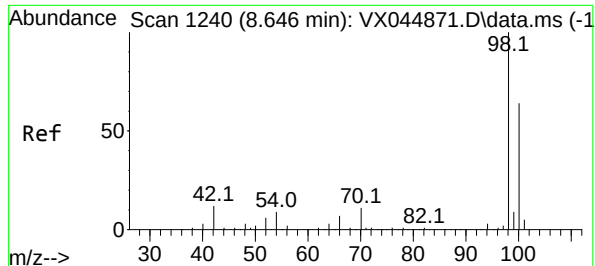
Ion Ratio Lower Upper

113 100

111 101.9 83.5 125.3

192 17.5 14.4 21.6





#50

Toluene-d8

Concen: 51.733 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX044966.D

Acq: 14 Feb 2025 17:01

Instrument :

MSVOA\_X

ClientSampleId :

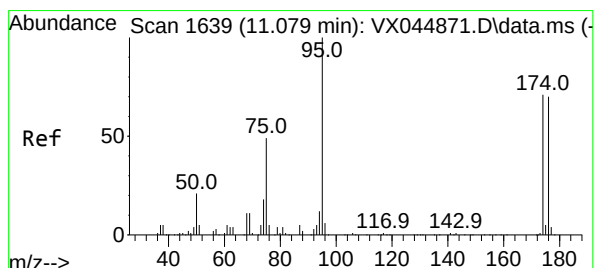
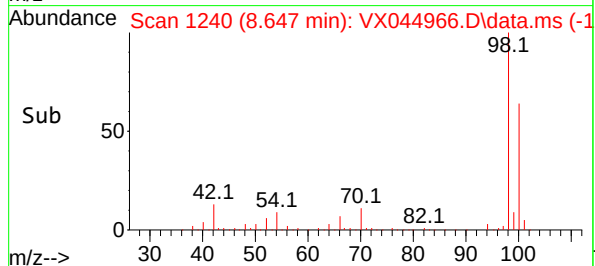
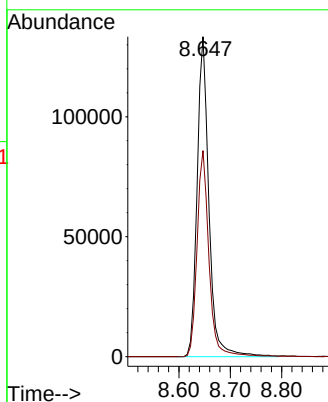
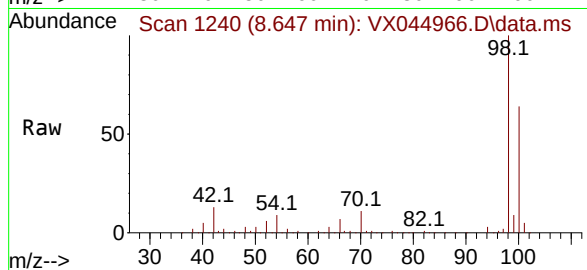
TB-01-021125

Tgt Ion: 98 Resp: 212595

Ion Ratio Lower Upper

98 100

100 65.3 52.7 79.1



#62

4-Bromofluorobenzene

Concen: 55.586 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX044966.D

Acq: 14 Feb 2025 17:01

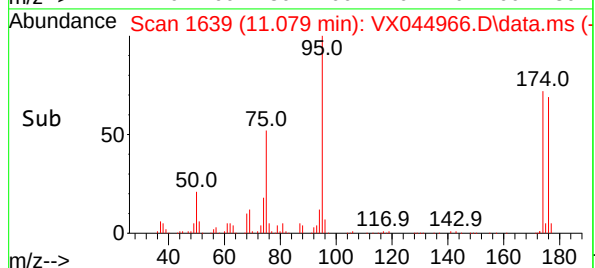
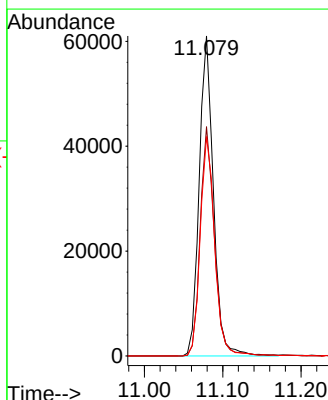
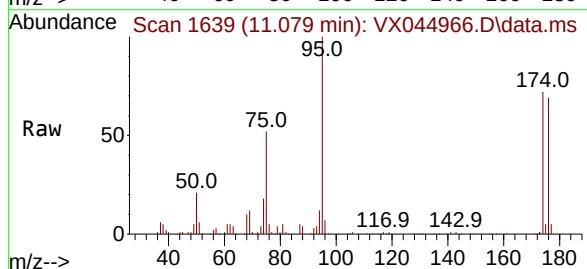
Tgt Ion: 95 Resp: 77009

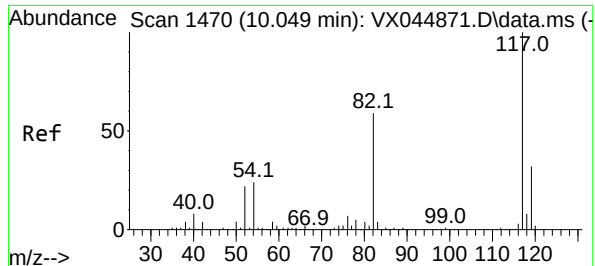
Ion Ratio Lower Upper

95 100

174 71.2 0.0 142.6

176 69.7 0.0 141.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. 0.000 min

Lab File: VX044966.D

Acq: 14 Feb 2025 17:01

Instrument :

MSVOA\_X

ClientSampleId :

TB-01-021125

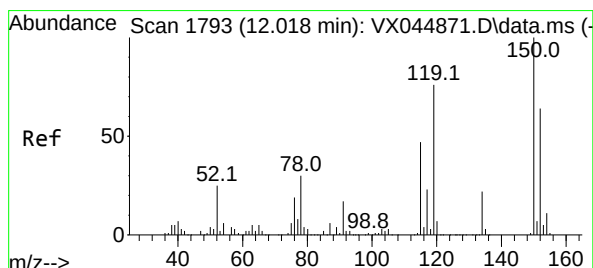
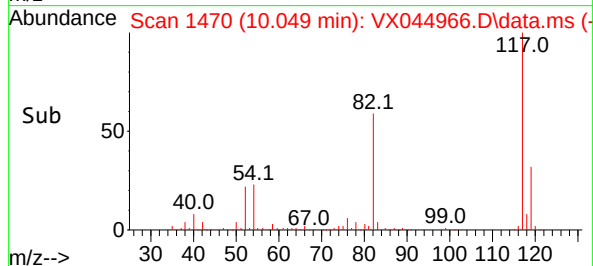
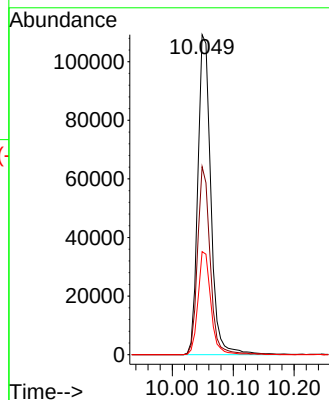
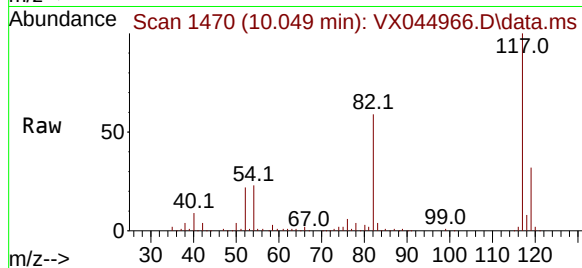
Tgt Ion:117 Resp: 161346

Ion Ratio Lower Upper

117 100

82 58.7 47.5 71.3

119 32.2 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VX044966.D

Acq: 14 Feb 2025 17:01

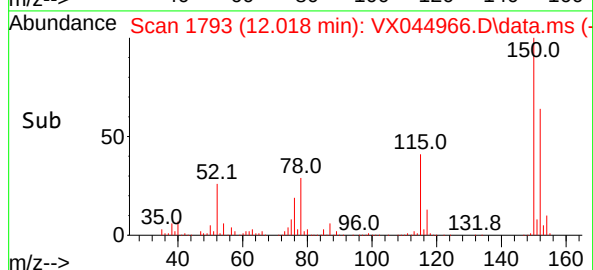
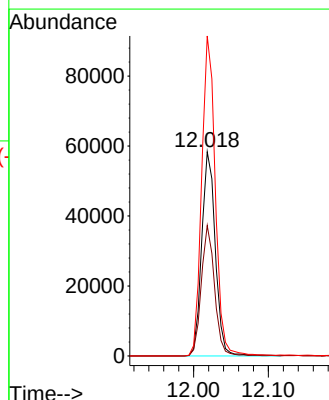
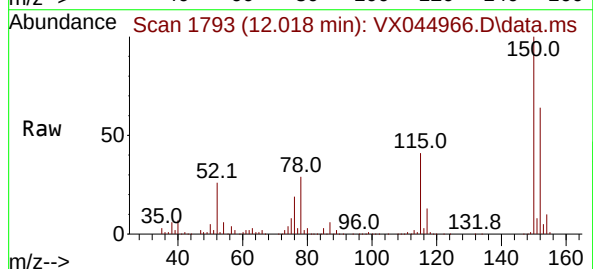
Tgt Ion:152 Resp: 74015

Ion Ratio Lower Upper

152 100

115 62.2 43.4 130.1

150 156.5 0.0 350.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021425\  
Data File : VX044966.D  
Acq On : 14 Feb 2025 17:01  
Operator : JC/MD  
Sample : Q1363-03  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
TB-01-021125

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M

Title : SW846 8260

Signal : TIC: VX044966.D\data.ms

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 5.379       | 692           | 704         | 719          | rBV2     | 65139          | 192642        | 33.69%          | 6.481%        |
| 2         | 5.550       | 721           | 732         | 751          | rVV      | 86094          | 251671        | 44.01%          | 8.466%        |
| 3         | 5.952       | 789           | 798         | 815          | rBV      | 73170          | 194983        | 34.09%          | 6.559%        |
| 4         | 6.757       | 922           | 930         | 947          | rBV      | 162123         | 398953        | 69.76%          | 13.421%       |
| 5         | 8.647       | 1233          | 1240        | 1263         | rBV      | 353127         | 571892        | 100.00%         | 19.239%       |
| 6         | 10.049      | 1465          | 1470        | 1496         | rBV      | 350325         | 513113        | 89.72%          | 17.261%       |
| 7         | 11.079      | 1634          | 1639        | 1649         | rBV      | 293338         | 370243        | 64.74%          | 12.455%       |
| 8         | 12.018      | 1788          | 1793        | 1806         | rBV      | 384373         | 479103        | 83.78%          | 16.117%       |

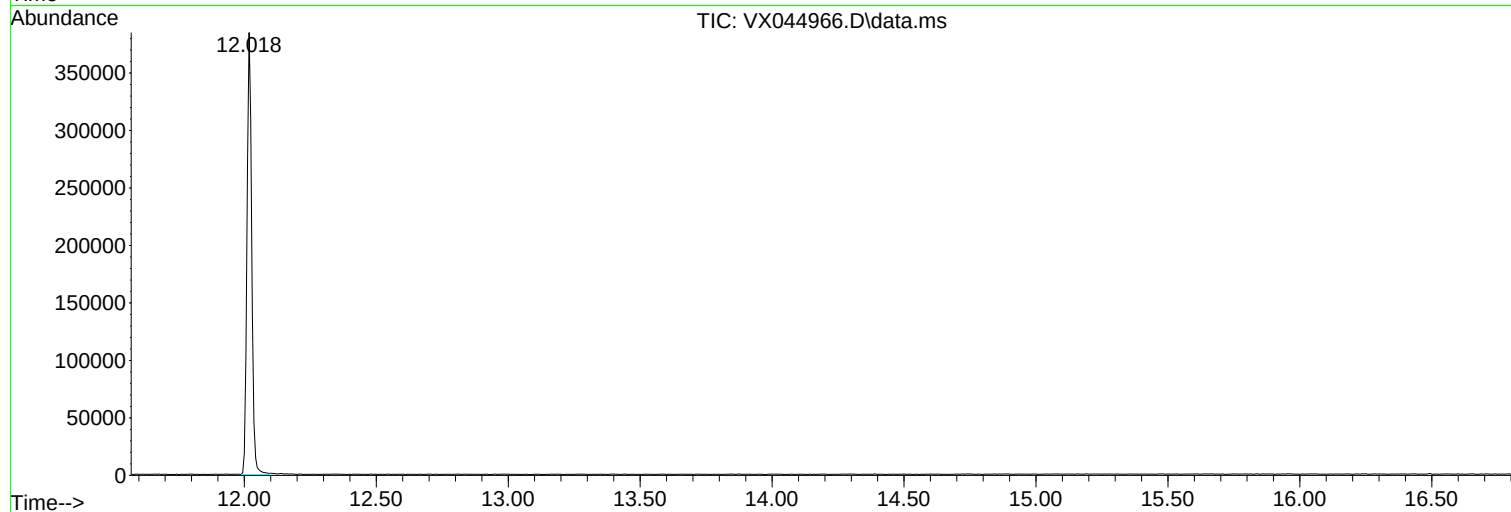
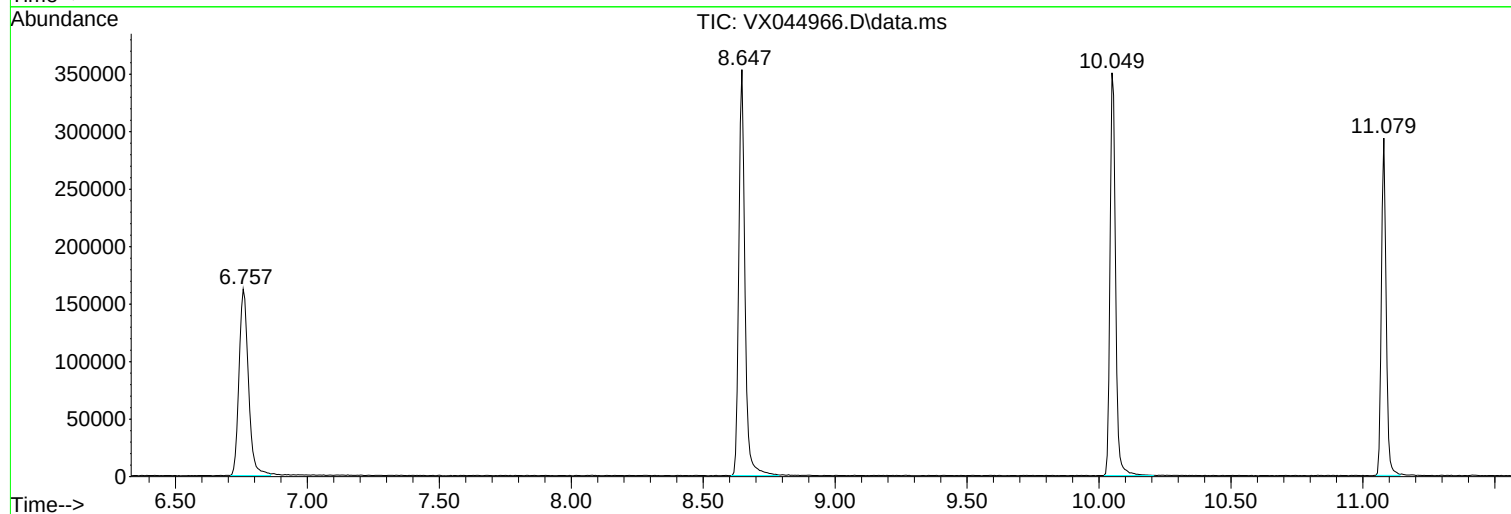
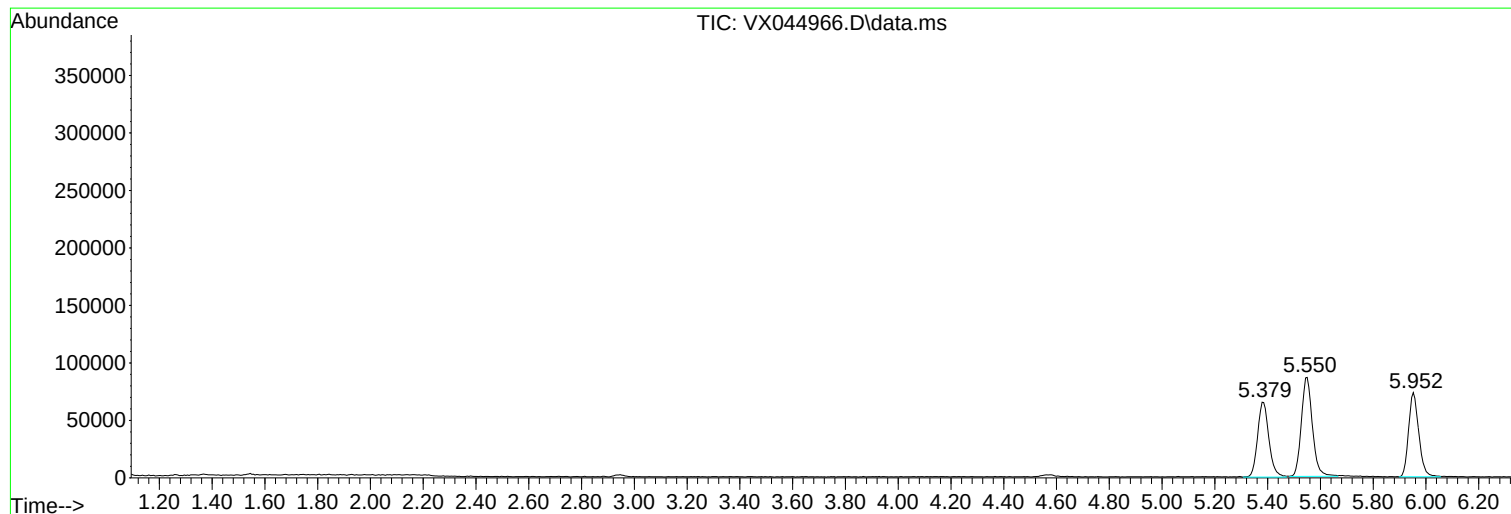
Sum of corrected areas: 2972600

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021425\  
Data File : VX044966.D  
Acq On : 14 Feb 2025 17:01  
Operator : JC/MD  
Sample : Q1363-03  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
TB-01-021125

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021425\  
Data File : VX044966.D  
Acq On : 14 Feb 2025 17:01  
Operator : JC/MD  
Sample : Q1363-03  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
TB-01-021125

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
Quant Title : SW846 8260

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

No Library Search Compounds Detected

\*\*\*\*\*

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021425\  
Data File : VX044966.D  
Acq On : 14 Feb 2025 17:01  
Operator : JC/MD  
Sample : Q1363-03  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 20 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
TB-01-021125

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
Quant Title : SW846 8260

TIC Library : C:\Database\NIST0.L  
TIC Integration Parameters: LSCINT.P

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

-----

## Report of Analysis

|                    |                                            |                 |                              |
|--------------------|--------------------------------------------|-----------------|------------------------------|
| Client:            | TechLaw Consultants, Inc                   | Date Collected: | 02/12/25                     |
| Project:           | REAC Commodore                             | Date Received:  | 02/13/25                     |
| Client Sample ID:  | MW-33D-021225                              | SDG No.:        | Q1363                        |
| Lab Sample ID:     | Q1363-04                                   | Matrix:         | Water                        |
| Analytical Method: | SW8260                                     | % Solid:        | 0                            |
| Sample Wt/Vol:     | 5                      Units:    mL        | Final Vol:      | 5000                      uL |
| Soil Aliquot Vol:  | uL                                         | Test:           | VOC-TCLVOA-10                |
| GC Column:         | DB-624UI                      ID :    0.18 | Level :         | LOW                          |
| Prep Method :      |                                            |                 |                              |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX044971.D        | 1         |           | 02/14/25 18:57 | VX021425      |

| CAS Number     | Parameter                      | Conc. | Qualifier | MDL  | LOQ / CRQL | Units |
|----------------|--------------------------------|-------|-----------|------|------------|-------|
| <b>TARGETS</b> |                                |       |           |      |            |       |
| 75-71-8        | Dichlorodifluoromethane        | 8.10  |           | 0.21 | 1.00       | ug/L  |
| 74-87-3        | Chloromethane                  | 0.35  | U         | 0.35 | 1.00       | ug/L  |
| 75-01-4        | Vinyl Chloride                 | 0.34  | U         | 0.34 | 1.00       | ug/L  |
| 74-83-9        | Bromomethane                   | 1.40  | U         | 1.40 | 5.00       | ug/L  |
| 75-00-3        | Chloroethane                   | 0.56  | U         | 0.56 | 1.00       | ug/L  |
| 75-69-4        | Trichlorofluoromethane         | 0.34  | U         | 0.34 | 1.00       | ug/L  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 2.90  |           | 0.25 | 1.00       | ug/L  |
| 75-35-4        | 1,1-Dichloroethene             | 0.26  | U         | 0.26 | 1.00       | ug/L  |
| 67-64-1        | Acetone                        | 1.90  | J         | 1.40 | 5.00       | ug/L  |
| 75-15-0        | Carbon Disulfide               | 0.32  | U         | 0.32 | 1.00       | ug/L  |
| 1634-04-4      | Methyl tert-butyl Ether        | 0.16  | U         | 0.16 | 1.00       | ug/L  |
| 79-20-9        | Methyl Acetate                 | 0.60  | U         | 0.60 | 1.00       | ug/L  |
| 75-09-2        | Methylene Chloride             | 0.32  | U         | 0.32 | 1.00       | ug/L  |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.25  | U         | 0.25 | 1.00       | ug/L  |
| 75-34-3        | 1,1-Dichloroethane             | 0.23  | U         | 0.23 | 1.00       | ug/L  |
| 110-82-7       | Cyclohexane                    | 1.60  | U         | 1.60 | 5.00       | ug/L  |
| 78-93-3        | 2-Butanone                     | 1.30  | U         | 1.30 | 5.00       | ug/L  |
| 56-23-5        | Carbon Tetrachloride           | 0.25  | U         | 0.25 | 1.00       | ug/L  |
| 156-59-2       | cis-1,2-Dichloroethene         | 2.00  |           | 0.25 | 1.00       | ug/L  |
| 74-97-5        | Bromochloromethane             | 0.18  | U         | 0.18 | 1.00       | ug/L  |
| 67-66-3        | Chloroform                     | 0.26  | U         | 0.26 | 1.00       | ug/L  |
| 71-55-6        | 1,1,1-Trichloroethane          | 0.19  | U         | 0.19 | 1.00       | ug/L  |
| 108-87-2       | Methylcyclohexane              | 0.19  | U         | 0.19 | 1.00       | ug/L  |
| 71-43-2        | Benzene                        | 0.16  | U         | 0.16 | 1.00       | ug/L  |
| 107-06-2       | 1,2-Dichloroethane             | 0.24  | U         | 0.24 | 1.00       | ug/L  |
| 79-01-6        | Trichloroethene                | 7.60  |           | 0.32 | 1.00       | ug/L  |
| 78-87-5        | 1,2-Dichloropropane            | 0.19  | U         | 0.19 | 1.00       | ug/L  |
| 75-27-4        | Bromodichloromethane           | 0.24  | U         | 0.24 | 1.00       | ug/L  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 0.75  | U         | 0.75 | 5.00       | ug/L  |
| 108-88-3       | Toluene                        | 0.18  | U         | 0.18 | 1.00       | ug/L  |

### Report of Analysis

|                    |                          |        |      |                 |               |    |
|--------------------|--------------------------|--------|------|-----------------|---------------|----|
| Client:            | TechLaw Consultants, Inc |        |      | Date Collected: | 02/12/25      |    |
| Project:           | REAC Commodore           |        |      | Date Received:  | 02/13/25      |    |
| Client Sample ID:  | MW-33D-021225            |        |      | SDG No.:        | Q1363         |    |
| Lab Sample ID:     | Q1363-04                 |        |      | Matrix:         | Water         |    |
| Analytical Method: | SW8260                   |        |      | % Solid:        | 0             |    |
| Sample Wt/Vol:     | 5                        | Units: | mL   | Final Vol:      | 5000          | uL |
| Soil Aliquot Vol:  |                          |        | uL   | Test:           | VOC-TCLVOA-10 |    |
| GC Column:         | DB-624UI                 | ID :   | 0.18 | Level :         | LOW           |    |
| Prep Method :      |                          |        |      |                 |               |    |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX044971.D        | 1         |           | 02/14/25 18:57 | VX021425      |

| CAS Number                | Parameter                   | Conc.  | Qualifier | MDL      | LOQ / CRQL | Units   |
|---------------------------|-----------------------------|--------|-----------|----------|------------|---------|
| 10061-02-6                | t-1,3-Dichloropropene       | 0.21   | U         | 0.21     | 1.00       | ug/L    |
| 10061-01-5                | cis-1,3-Dichloropropene     | 0.18   | U         | 0.18     | 1.00       | ug/L    |
| 79-00-5                   | 1,1,2-Trichloroethane       | 0.21   | U         | 0.21     | 1.00       | ug/L    |
| 591-78-6                  | 2-Hexanone                  | 1.10   | UQ        | 1.10     | 5.00       | ug/L    |
| 124-48-1                  | Dibromochloromethane        | 0.18   | U         | 0.18     | 1.00       | ug/L    |
| 106-93-4                  | 1,2-Dibromoethane           | 0.16   | U         | 0.16     | 1.00       | ug/L    |
| 127-18-4                  | Tetrachloroethene           | 2.60   |           | 0.25     | 1.00       | ug/L    |
| 108-90-7                  | Chlorobenzene               | 0.13   | U         | 0.13     | 1.00       | ug/L    |
| 100-41-4                  | Ethyl Benzene               | 0.16   | U         | 0.16     | 1.00       | ug/L    |
| 179601-23-1               | m/p-Xylenes                 | 0.31   | U         | 0.31     | 2.00       | ug/L    |
| 95-47-6                   | o-Xylene                    | 0.14   | U         | 0.14     | 1.00       | ug/L    |
| 100-42-5                  | Styrene                     | 0.16   | U         | 0.16     | 1.00       | ug/L    |
| 75-25-2                   | Bromoform                   | 0.21   | U         | 0.21     | 1.00       | ug/L    |
| 98-82-8                   | Isopropylbenzene            | 0.13   | U         | 0.13     | 1.00       | ug/L    |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane   | 0.27   | U         | 0.27     | 1.00       | ug/L    |
| 541-73-1                  | 1,3-Dichlorobenzene         | 0.24   | U         | 0.24     | 1.00       | ug/L    |
| 106-46-7                  | 1,4-Dichlorobenzene         | 0.27   | U         | 0.27     | 1.00       | ug/L    |
| 95-50-1                   | 1,2-Dichlorobenzene         | 0.19   | U         | 0.19     | 1.00       | ug/L    |
| 96-12-8                   | 1,2-Dibromo-3-Chloropropane | 0.46   | U         | 0.46     | 1.00       | ug/L    |
| 120-82-1                  | 1,2,4-Trichlorobenzene      | 0.42   | U         | 0.42     | 1.00       | ug/L    |
| 87-61-6                   | 1,2,3-Trichlorobenzene      | 0.51   | U         | 0.51     | 1.00       | ug/L    |
| <b>SURROGATES</b>         |                             |        |           |          |            |         |
| 17060-07-0                | 1,2-Dichloroethane-d4       | 58.8   |           | 74 - 125 | 118%       | SPK: 50 |
| 1868-53-7                 | Dibromofluoromethane        | 52.6   |           | 75 - 124 | 105%       | SPK: 50 |
| 2037-26-5                 | Toluene-d8                  | 51.0   |           | 86 - 113 | 102%       | SPK: 50 |
| 460-00-4                  | 4-Bromofluorobenzene        | 54.1   |           | 77 - 121 | 108%       | SPK: 50 |
| <b>INTERNAL STANDARDS</b> |                             |        |           |          |            |         |
| 363-72-4                  | Pentafluorobenzene          | 75500  | 5.55      |          |            |         |
| 540-36-3                  | 1,4-Difluorobenzene         | 157000 | 6.757     |          |            |         |
| 3114-55-4                 | Chlorobenzene-d5            | 148000 | 10.049    |          |            |         |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4      | 66400  | 12.018    |          |            |         |

## Report of Analysis

|                    |                          |           |                 |               |    |
|--------------------|--------------------------|-----------|-----------------|---------------|----|
| Client:            | TechLaw Consultants, Inc |           | Date Collected: | 02/12/25      |    |
| Project:           | REAC Commodore           |           | Date Received:  | 02/13/25      |    |
| Client Sample ID:  | MW-33D-021225            |           | SDG No.:        | Q1363         |    |
| Lab Sample ID:     | Q1363-04                 |           | Matrix:         | Water         |    |
| Analytical Method: | SW8260                   |           | % Solid:        | 0             |    |
| Sample Wt/Vol:     | 5                        | Units: mL | Final Vol:      | 5000          | uL |
| Soil Aliquot Vol:  |                          | uL        | Test:           | VOC-TCLVOA-10 |    |
| GC Column:         | DB-624UI                 | ID : 0.18 | Level :         | LOW           |    |
| Prep Method :      |                          |           |                 |               |    |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX044971.D        | 1         |           | 02/14/25 18:57 | VX021425      |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|------------|-----------|-------|-----------|-----|------------|-------|
|------------|-----------|-------|-----------|-----|------------|-------|

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021425\  
 Data File : VX044971.D  
 Acq On : 14 Feb 2025 18:57  
 Operator : JC/MD  
 Sample : Q1363-04  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-33D-021225

Quant Time: Feb 14 22:19:18 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 11 03:41:08 2025  
 Response via : Initial Calibration

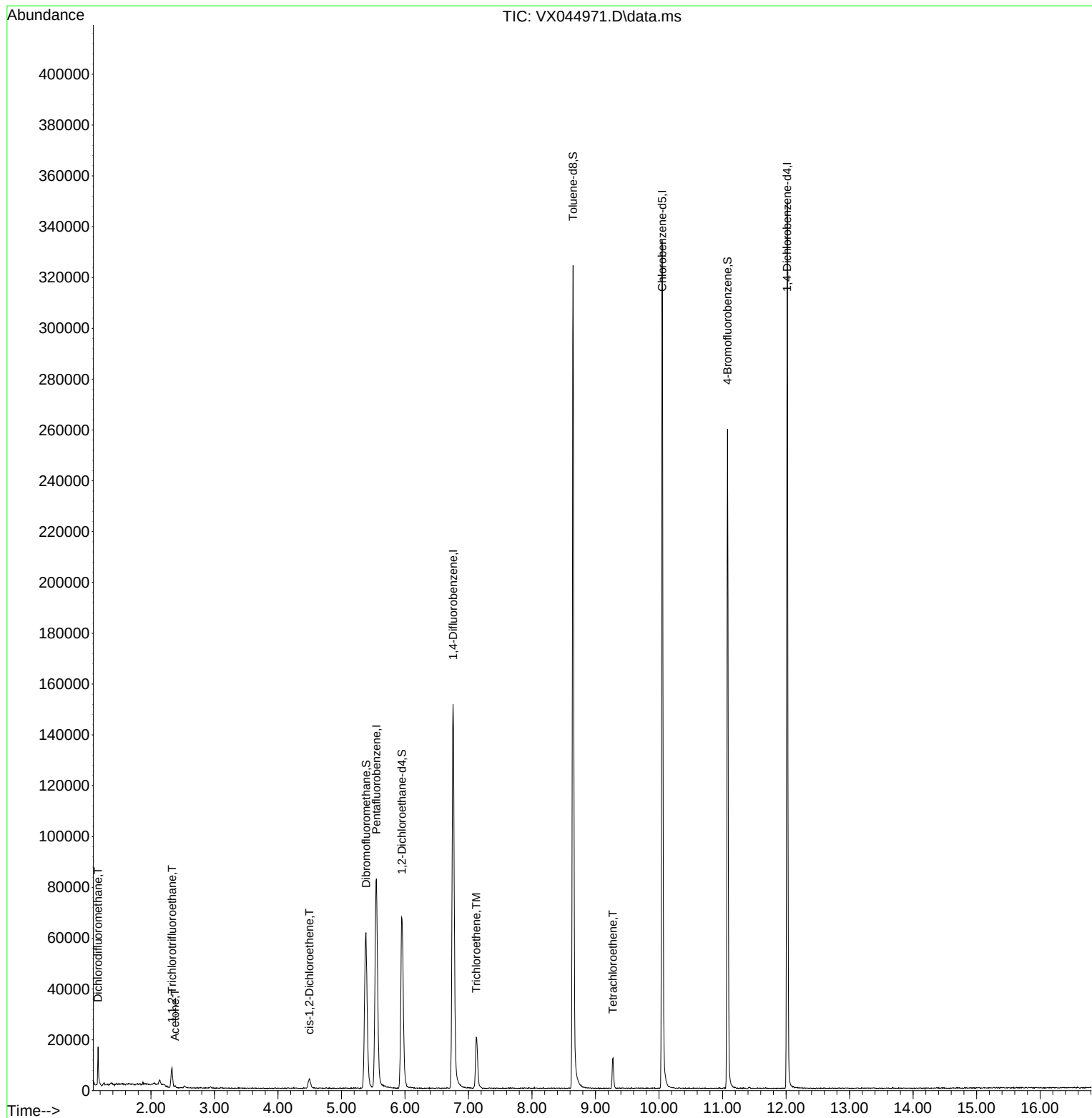
| Compound                     | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|------------------------------|--------|-------|----------|----------|------------|----------|
| -----                        |        |       |          |          |            |          |
| Internal Standards           |        |       |          |          |            |          |
| 1) Pentafluorobenzene        | 5.550  | 168   | 75470    | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.757  | 114   | 157095   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5         | 10.049 | 117   | 147557   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.018 | 152   | 66405    | 50.000   | ug/l       | 0.00     |
|                              |        |       |          |          |            |          |
| System Monitoring Compounds  |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4    | 5.952  | 65    | 64939    | 58.782   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 74 - 125 | Recovery | = 117.560% |          |
| 35) Dibromofluoromethane     | 5.385  | 113   | 53696    | 52.572   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 75 - 124 | Recovery | = 105.140% |          |
| 50) Toluene-d8               | 8.647  | 98    | 196972   | 50.999   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 86 - 113 | Recovery | = 102.000% |          |
| 62) 4-Bromofluorobenzene     | 11.079 | 95    | 70404    | 54.072   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 77 - 121 | Recovery | = 108.140% |          |
|                              |        |       |          |          |            |          |
| Target Compounds             |        |       |          |          |            | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.167  | 85    | 8582     | 8.108    | ug/l       | 99       |
| 9) 1,1,2-Trichlorotrifluo... | 2.331  | 101   | 2794     | 2.930    | ug/l       | 92       |
| 16) Acetone                  | 2.380  | 43    | 835      | 1.880    | ug/l       | 94       |
| 27) cis-1,2-Dichloroethene   | 4.495  | 96    | 2340     | 2.035    | ug/l       | 93       |
| 44) Trichloroethene          | 7.123  | 130   | 8038     | 7.643    | ug/l       | 100      |
| 64) Tetrachloroethene        | 9.275  | 164   | 2414     | 2.594    | ug/l #     | 91       |
| -----                        |        |       |          |          |            |          |

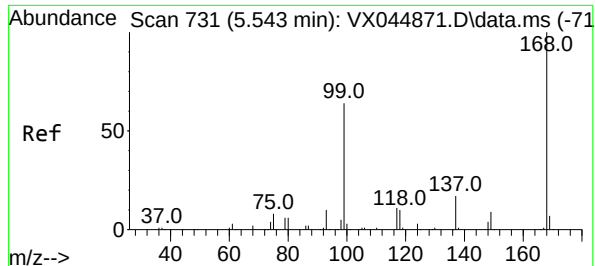
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021425\  
Data File : VX044971.D  
Acq On : 14 Feb 2025 18:57  
Operator : JC/MD  
Sample : Q1363-04  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-33D-021225

Quant Time: Feb 14 22:19:18 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
Quant Title : SW846 8260  
QLast Update : Tue Feb 11 03:41:08 2025  
Response via : Initial Calibration

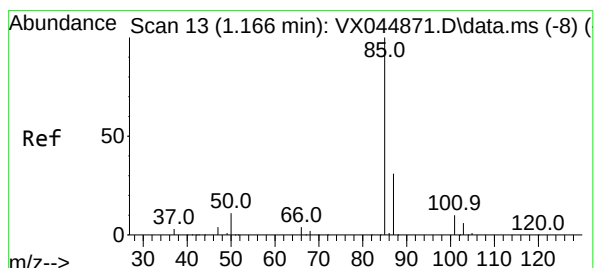
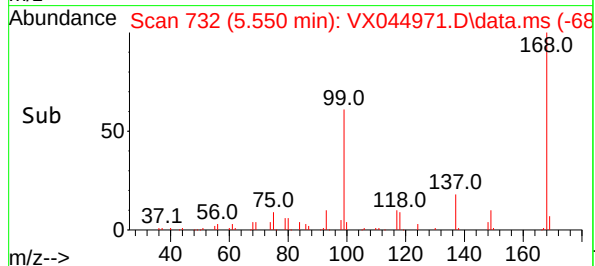
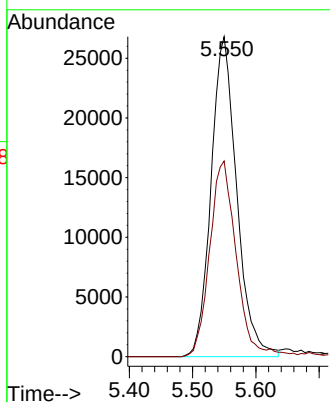
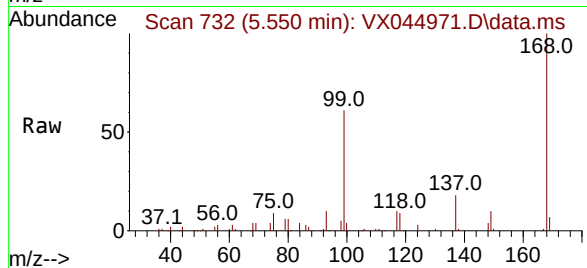




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. 0.007 min  
Lab File: VX044971.D  
Acq: 14 Feb 2025 18:57

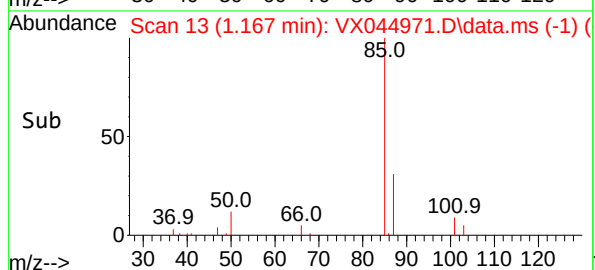
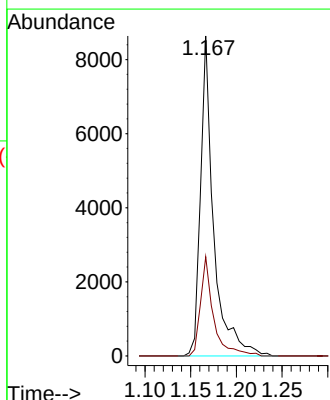
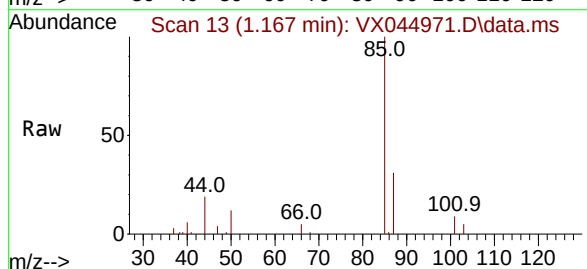
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-33D-021225

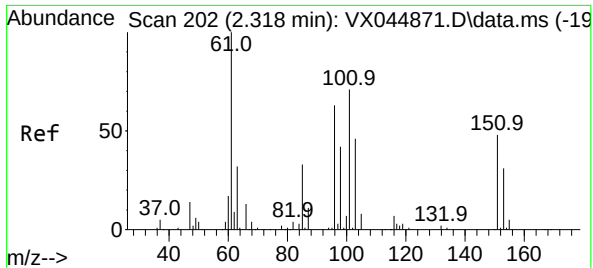
Tgt Ion:168 Resp: 75470  
Ion Ratio Lower Upper  
168 100  
99 61.2 51.2 76.8



#2  
Dichlorodifluoromethane  
Concen: 8.108 ug/l  
RT: 1.167 min Scan# 13  
Delta R.T. 0.000 min  
Lab File: VX044971.D  
Acq: 14 Feb 2025 18:57

Tgt Ion: 85 Resp: 8582  
Ion Ratio Lower Upper  
85 100  
87 31.0 15.8 47.3

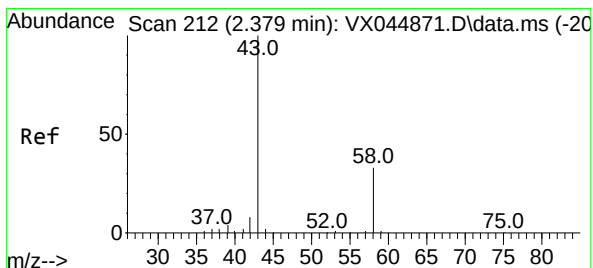
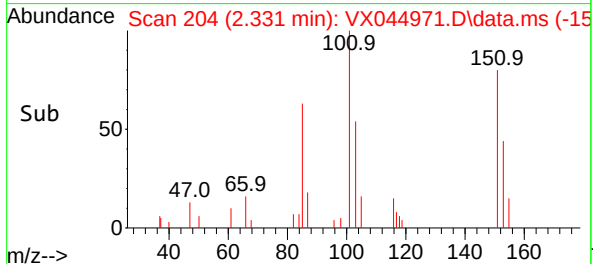
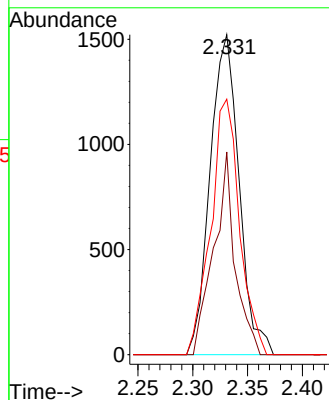
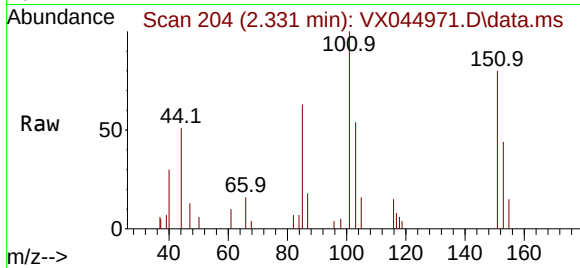




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 2.930 ug/l  
RT: 2.331 min Scan# 204  
Delta R.T. 0.013 min  
Lab File: VX044971.D  
Acq: 14 Feb 2025 18:57

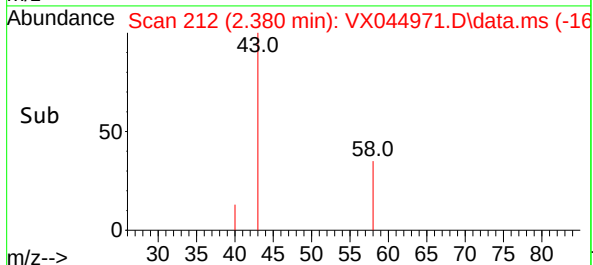
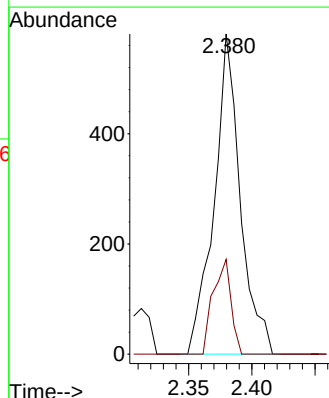
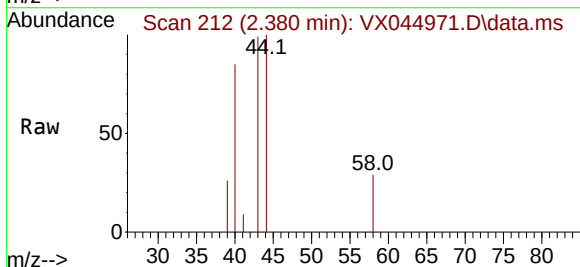
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-33D-021225

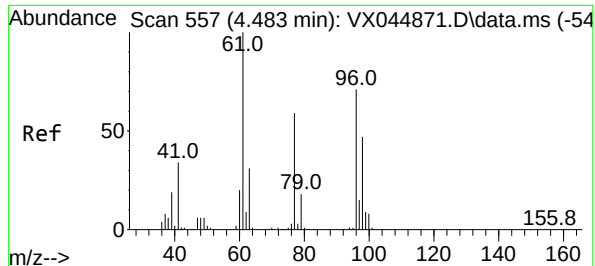
Tgt Ion:101 Resp: 2794  
Ion Ratio Lower Upper  
101 100  
85 46.9 35.7 53.5  
151 79.3 56.0 84.0



#16  
Acetone  
Concen: 1.880 ug/l  
RT: 2.380 min Scan# 212  
Delta R.T. 0.000 min  
Lab File: VX044971.D  
Acq: 14 Feb 2025 18:57

Tgt Ion: 43 Resp: 835  
Ion Ratio Lower Upper  
43 100  
58 29.6 26.5 39.7





#27

cis-1,2-Dichloroethene

Concen: 2.035 ug/l

RT: 4.495 min Scan# 51

Delta R.T. 0.013 min

Lab File: VX044971.D

Acq: 14 Feb 2025 18:57

Instrument :

MSVOA\_X

ClientSampleId :

MW-33D-021225

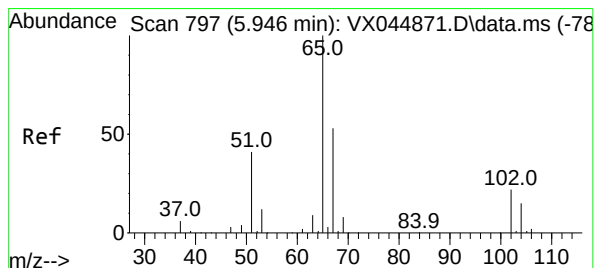
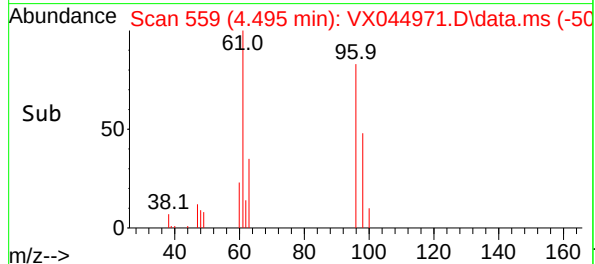
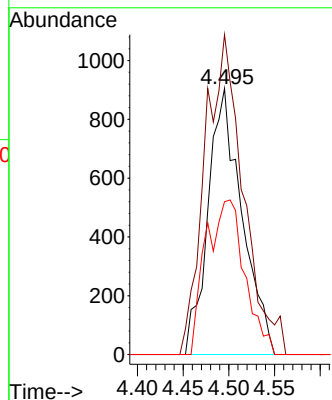
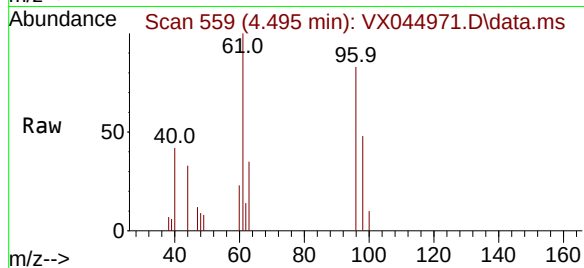
Tgt Ion: 96 Resp: 2340

Ion Ratio Lower Upper

96 100

61 135.8 0.0 294.0

98 66.7 0.0 131.2



#33

1,2-Dichloroethane-d4

Concen: 58.782 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX044971.D

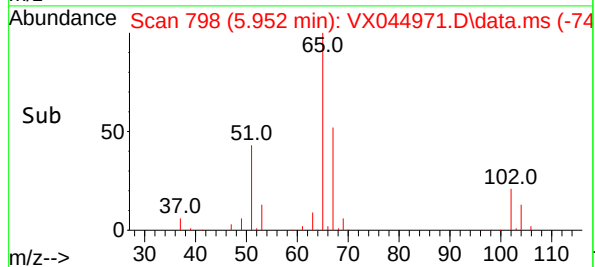
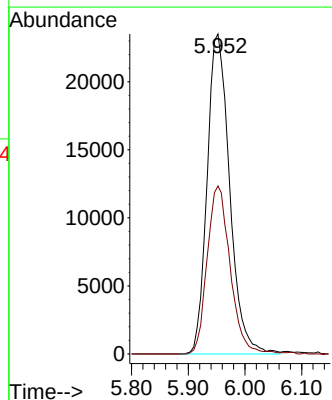
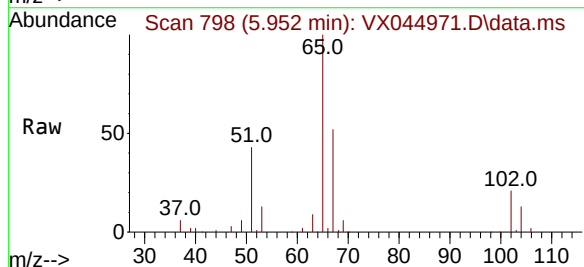
Acq: 14 Feb 2025 18:57

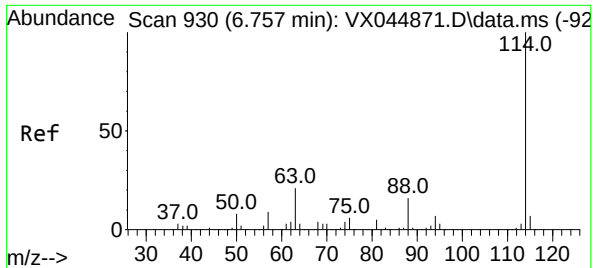
Tgt Ion: 65 Resp: 64939

Ion Ratio Lower Upper

65 100

67 53.5 0.0 108.2

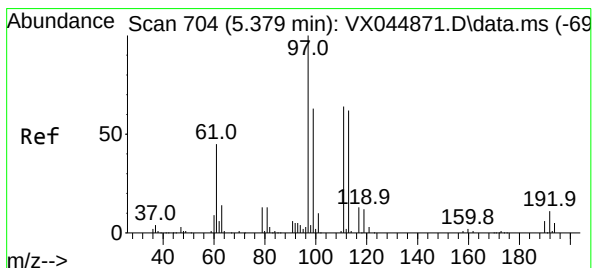
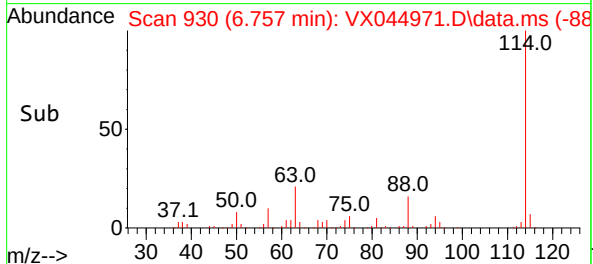
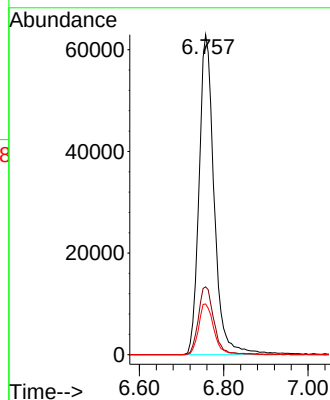
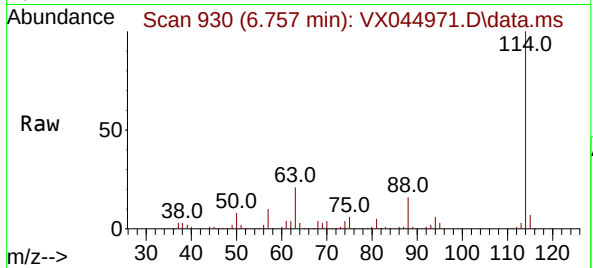




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.757 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VX044971.D  
Acq: 14 Feb 2025 18:57

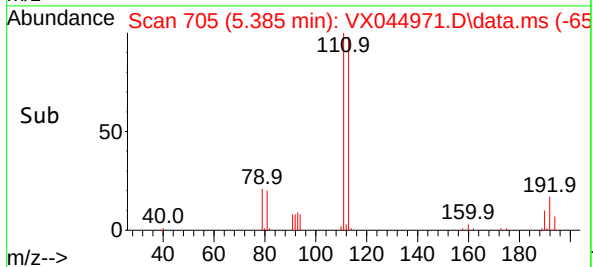
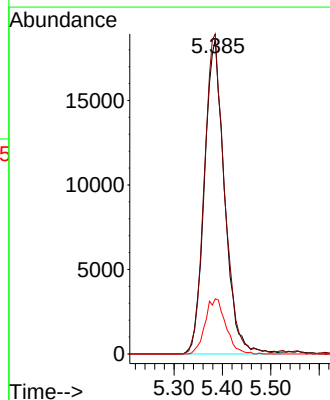
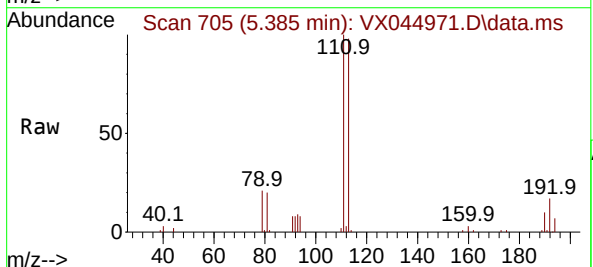
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-33D-021225

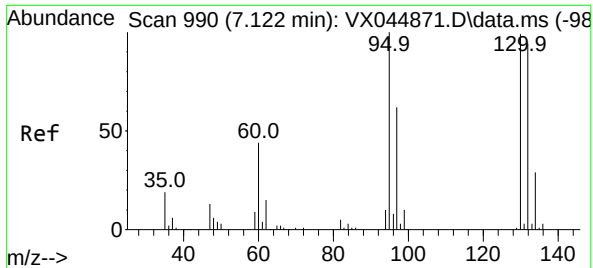
Tgt Ion:114 Resp: 157095  
Ion Ratio Lower Upper  
114 100  
63 21.2 0.0 42.4  
88 15.8 0.0 31.4



#35  
Dibromofluoromethane  
Concen: 52.572 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.006 min  
Lab File: VX044971.D  
Acq: 14 Feb 2025 18:57

Tgt Ion:113 Resp: 53696  
Ion Ratio Lower Upper  
113 100  
111 101.9 83.5 125.3  
192 18.0 14.4 21.6

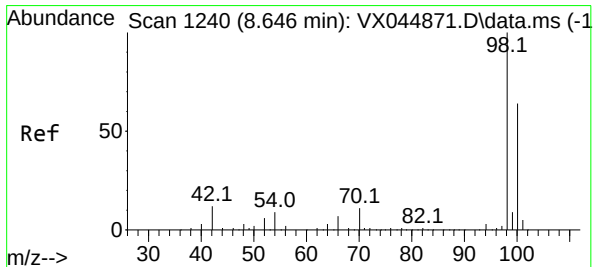
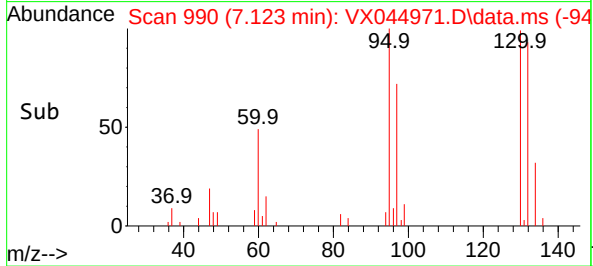
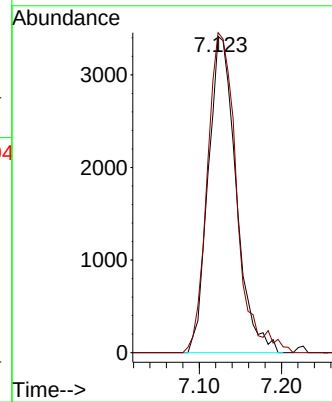
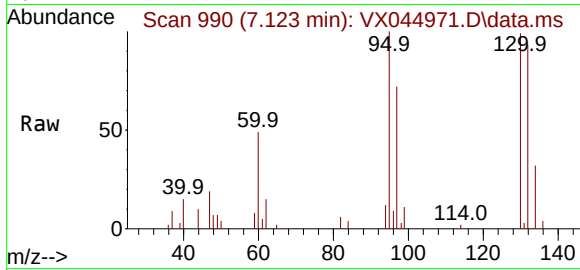




#44  
Trichloroethene  
Concen: 7.643 ug/l  
RT: 7.123 min Scan# 990  
Delta R.T. 0.000 min  
Lab File: VX044971.D  
Acq: 14 Feb 2025 18:57

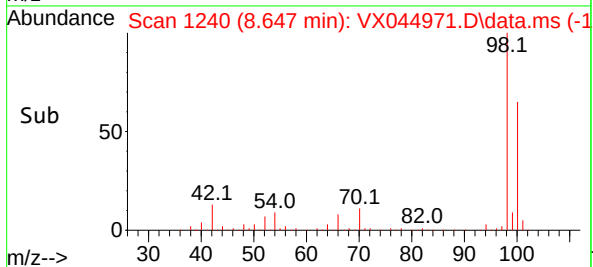
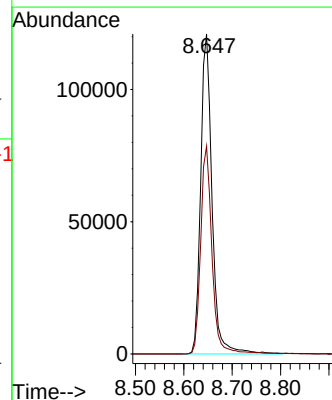
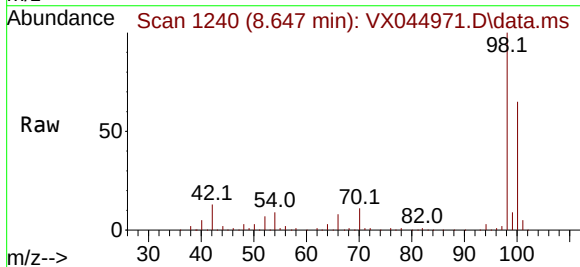
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-33D-021225

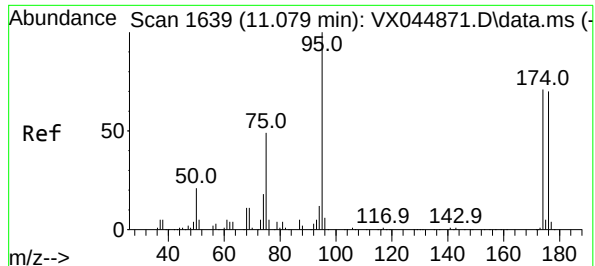
Tgt Ion:130 Resp: 8038  
Ion Ratio Lower Upper  
130 100  
95 101.1 0.0 202.4



#50  
Toluene-d8  
Concen: 50.999 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.000 min  
Lab File: VX044971.D  
Acq: 14 Feb 2025 18:57

Tgt Ion: 98 Resp: 196972  
Ion Ratio Lower Upper  
98 100  
100 64.6 52.7 79.1

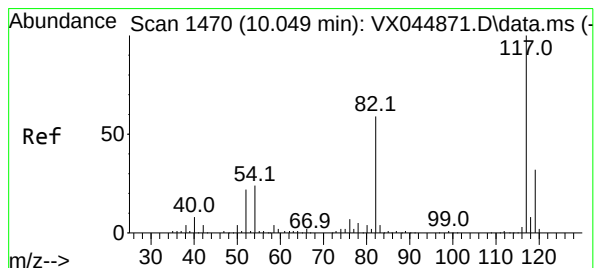
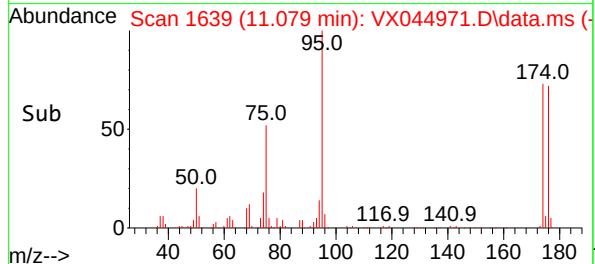
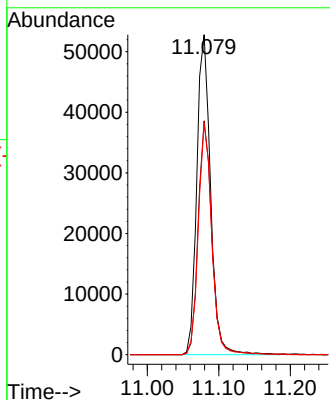
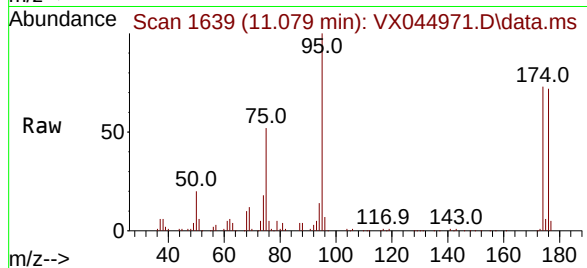




#62  
4-Bromofluorobenzene  
Concen: 54.072 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX044971.D  
Acq: 14 Feb 2025 18:57

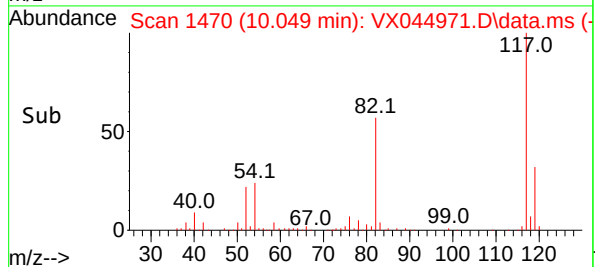
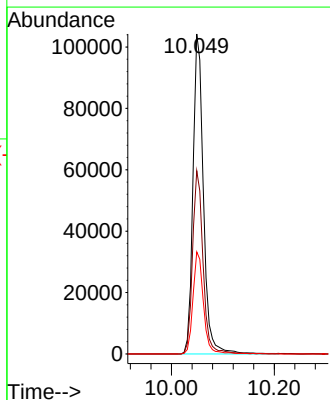
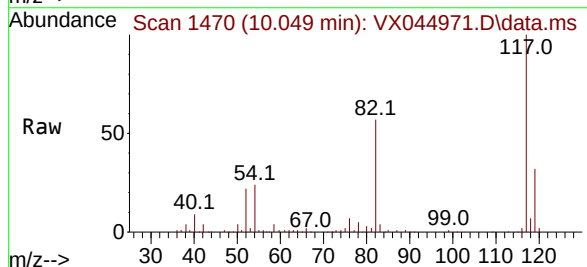
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-33D-021225

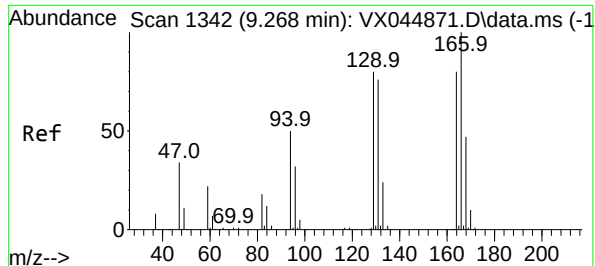
Tgt Ion: 95 Resp: 70404  
Ion Ratio Lower Upper  
95 100  
174 72.6 0.0 142.6  
176 70.8 0.0 141.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.049 min Scan# 1470  
Delta R.T. 0.000 min  
Lab File: VX044971.D  
Acq: 14 Feb 2025 18:57

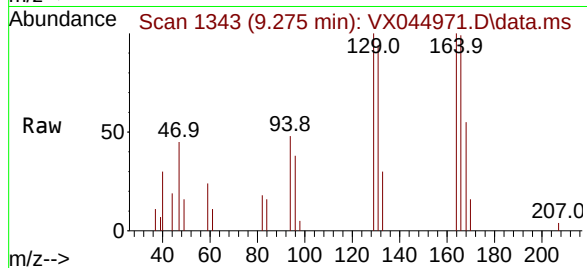
Tgt Ion: 117 Resp: 147557  
Ion Ratio Lower Upper  
117 100  
82 57.3 47.5 71.3  
119 31.9 25.4 38.0



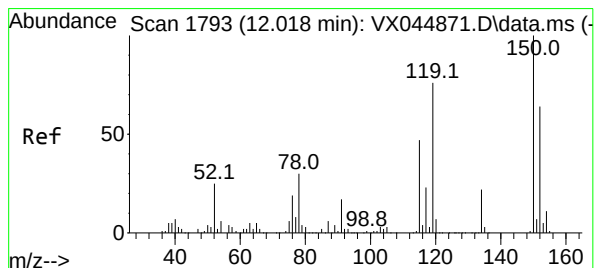
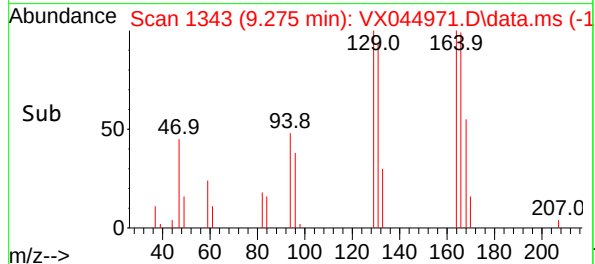
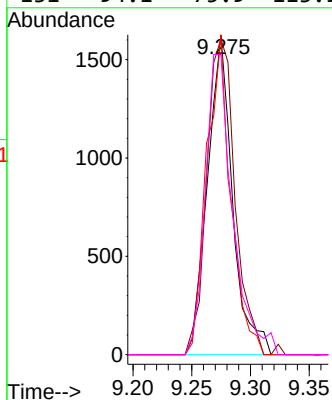


#64  
Tetrachloroethene  
Concen: 2.594 ug/l  
RT: 9.275 min Scan# 11  
Delta R.T. 0.007 min  
Lab File: VX044971.D  
Acq: 14 Feb 2025 18:57

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-33D-021225

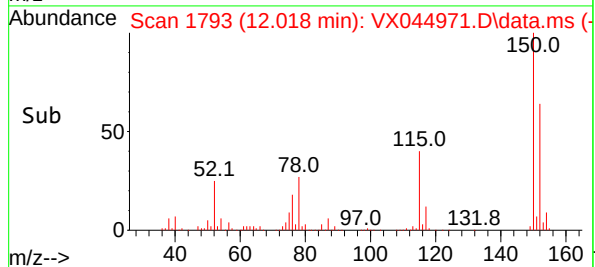
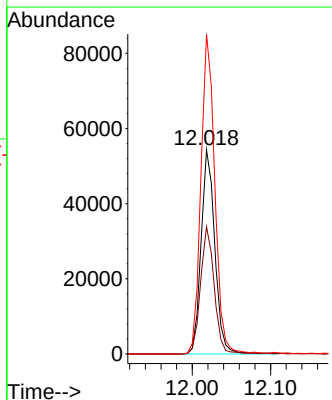
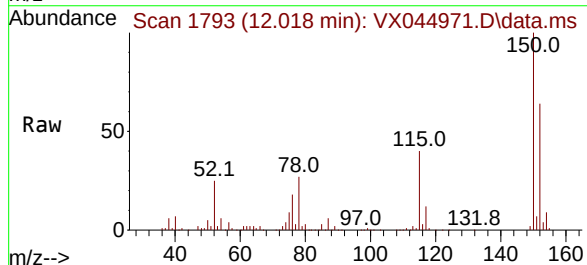


Tgt Ion:164 Resp: 2414  
Ion Ratio Lower Upper  
164 100  
166 98.9 100.4 150.6#  
129 100.2 79.9 119.9  
131 94.1 75.9 113.9



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.018 min Scan# 1793  
Delta R.T. 0.000 min  
Lab File: VX044971.D  
Acq: 14 Feb 2025 18:57

Tgt Ion:152 Resp: 66405  
Ion Ratio Lower Upper  
152 100  
115 62.2 43.4 130.1  
150 158.1 0.0 350.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021425\  
 Data File : VX044971.D  
 Acq On : 14 Feb 2025 18:57  
 Operator : JC/MD  
 Sample : Q1363-04  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-33D-021225

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
 Title : SW846 8260

Signal : TIC: VX044971.D\data.ms

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 1.167       | 10            | 13          | 23           | rVB      | 15426          | 14985         | 2.82%           | 0.525%        |
| 2         | 2.331       | 197           | 204         | 209          | rBV3     | 7815           | 13969         | 2.63%           | 0.489%        |
| 3         | 4.495       | 551           | 559         | 568          | rBV2     | 3740           | 9967          | 1.88%           | 0.349%        |
| 4         | 5.385       | 694           | 705         | 721          | rBV3     | 61191          | 178556        | 33.66%          | 6.252%        |
| 5         | 5.550       | 721           | 732         | 747          | rBV      | 82033          | 234948        | 44.29%          | 8.227%        |
| 6         | 5.946       | 788           | 797         | 811          | rBV2     | 67361          | 187242        | 35.30%          | 6.557%        |
| 7         | 6.757       | 920           | 930         | 954          | rBV      | 151267         | 376270        | 70.93%          | 13.176%       |
| 8         | 7.123       | 981           | 990         | 1006         | rVB3     | 20244          | 50344         | 9.49%           | 1.763%        |
| 9         | 8.647       | 1233          | 1240        | 1260         | rBV      | 323935         | 530505        | 100.00%         | 18.576%       |
| 10        | 9.275       | 1338          | 1343        | 1352         | rVB2     | 11918          | 19175         | 3.61%           | 0.671%        |
| 11        | 10.049      | 1465          | 1470        | 1486         | rBV      | 333583         | 469086        | 88.42%          | 16.426%       |
| 12        | 11.079      | 1634          | 1639        | 1650         | rBV      | 259369         | 342301        | 64.52%          | 11.986%       |
| 13        | 12.018      | 1788          | 1793        | 1806         | rBV      | 348524         | 428458        | 80.76%          | 15.003%       |

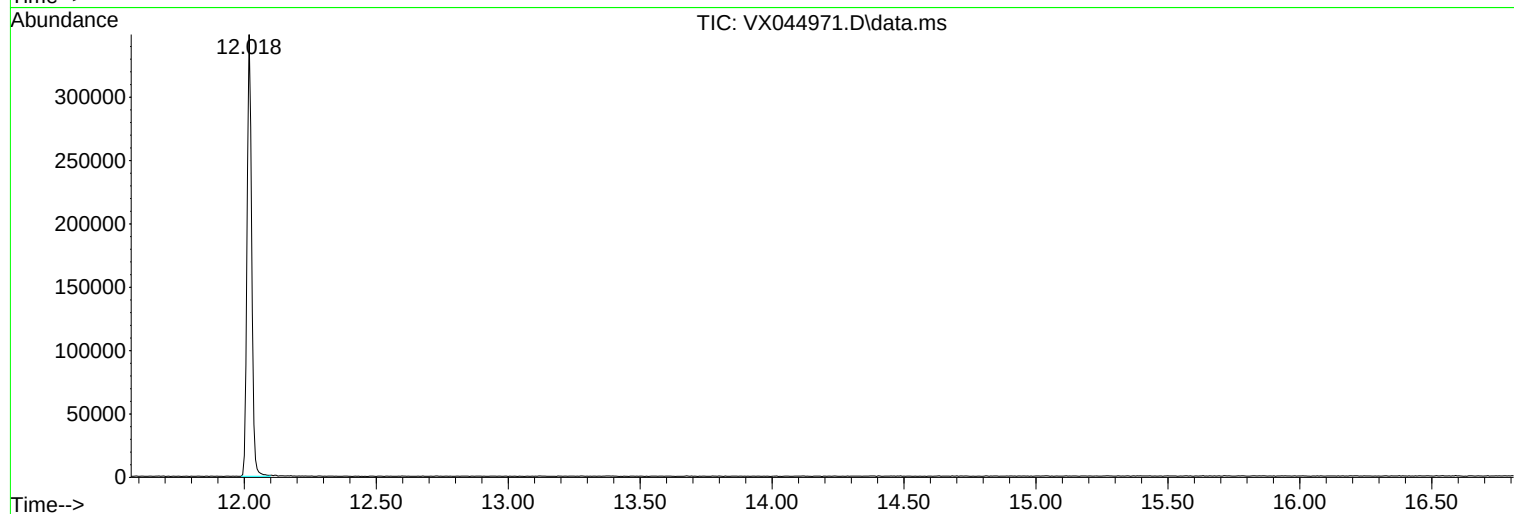
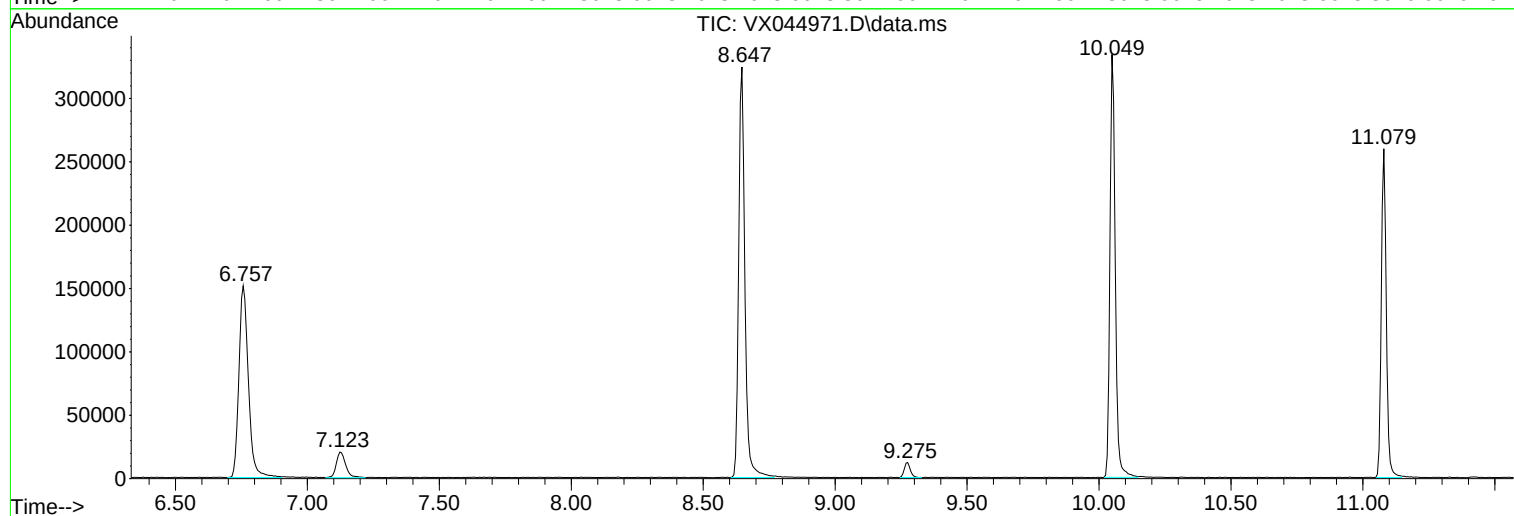
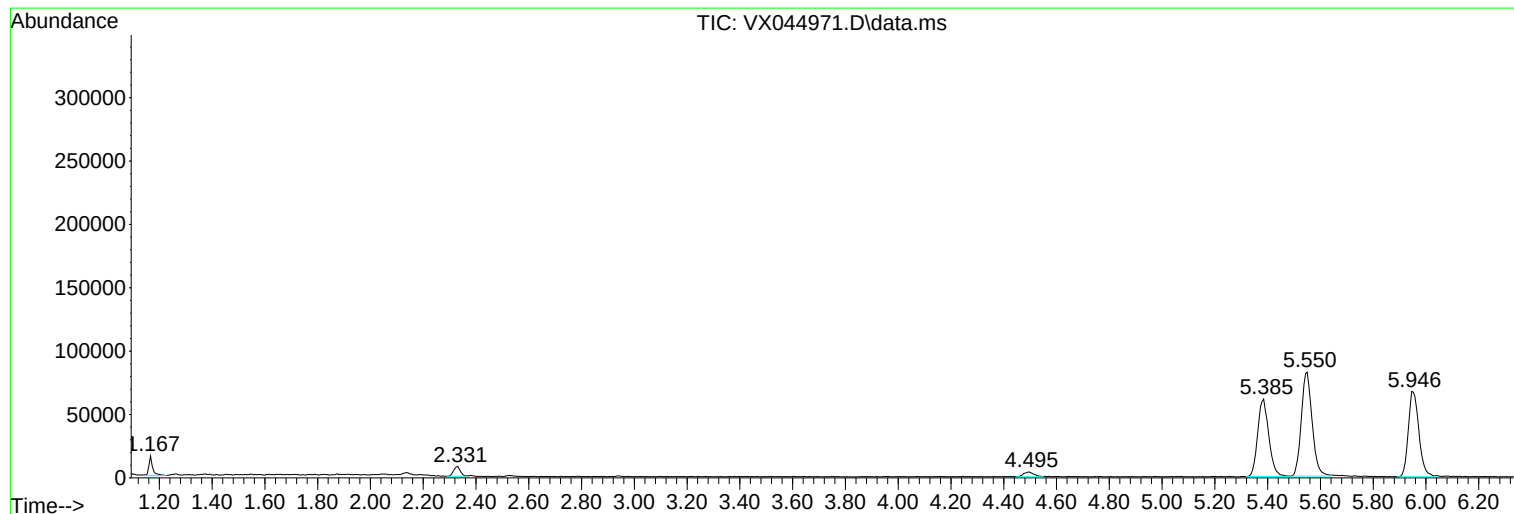
Sum of corrected areas: 2855806

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021425\  
Data File : VX044971.D  
Acq On : 14 Feb 2025 18:57  
Operator : JC/MD  
Sample : Q1363-04  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-33D-021225

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021425\  
Data File : VX044971.D  
Acq On : 14 Feb 2025 18:57  
Operator : JC/MD  
Sample : Q1363-04  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-33D-021225

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
Quant Title : SW846 8260

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

No Library Search Compounds Detected

\*\*\*\*\*

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021425\  
Data File : VX044971.D  
Acq On : 14 Feb 2025 18:57  
Operator : JC/MD  
Sample : Q1363-04  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 25 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-33D-021225

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
Quant Title : SW846 8260

TIC Library : C:\Database\NIST0.L  
TIC Integration Parameters: LSCINT.P

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

## Report of Analysis

|                    |                                            |                 |                              |
|--------------------|--------------------------------------------|-----------------|------------------------------|
| Client:            | TechLaw Consultants, Inc                   | Date Collected: | 02/12/25                     |
| Project:           | REAC Commodore                             | Date Received:  | 02/13/25                     |
| Client Sample ID:  | VFCC-2-021225                              | SDG No.:        | Q1363                        |
| Lab Sample ID:     | Q1363-07                                   | Matrix:         | Water                        |
| Analytical Method: | SW8260                                     | % Solid:        | 0                            |
| Sample Wt/Vol:     | 5                      Units:    mL        | Final Vol:      | 5000                      uL |
| Soil Aliquot Vol:  | uL                                         | Test:           | VOC-TCLVOA-10                |
| GC Column:         | DB-624UI                      ID :    0.18 | Level :         | LOW                          |
| Prep Method :      |                                            |                 |                              |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX044967.D        | 1         |           | 02/14/25 17:25 | VX021425      |

| CAS Number     | Parameter                      | Conc. | Qualifier | MDL  | LOQ / CRQL | Units |
|----------------|--------------------------------|-------|-----------|------|------------|-------|
| <b>TARGETS</b> |                                |       |           |      |            |       |
| 75-71-8        | Dichlorodifluoromethane        | 0.21  | U         | 0.21 | 1.00       | ug/L  |
| 74-87-3        | Chloromethane                  | 0.35  | U         | 0.35 | 1.00       | ug/L  |
| 75-01-4        | Vinyl Chloride                 | 0.34  | U         | 0.34 | 1.00       | ug/L  |
| 74-83-9        | Bromomethane                   | 1.40  | U         | 1.40 | 5.00       | ug/L  |
| 75-00-3        | Chloroethane                   | 0.56  | U         | 0.56 | 1.00       | ug/L  |
| 75-69-4        | Trichlorofluoromethane         | 0.34  | U         | 0.34 | 1.00       | ug/L  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 0.78  | J         | 0.25 | 1.00       | ug/L  |
| 75-35-4        | 1,1-Dichloroethene             | 0.38  | J         | 0.26 | 1.00       | ug/L  |
| 67-64-1        | Acetone                        | 2.00  | J         | 1.40 | 5.00       | ug/L  |
| 75-15-0        | Carbon Disulfide               | 0.32  | U         | 0.32 | 1.00       | ug/L  |
| 1634-04-4      | Methyl tert-butyl Ether        | 0.16  | U         | 0.16 | 1.00       | ug/L  |
| 79-20-9        | Methyl Acetate                 | 0.60  | U         | 0.60 | 1.00       | ug/L  |
| 75-09-2        | Methylene Chloride             | 0.32  | U         | 0.32 | 1.00       | ug/L  |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.25  | U         | 0.25 | 1.00       | ug/L  |
| 75-34-3        | 1,1-Dichloroethane             | 0.23  | U         | 0.23 | 1.00       | ug/L  |
| 110-82-7       | Cyclohexane                    | 1.60  | U         | 1.60 | 5.00       | ug/L  |
| 78-93-3        | 2-Butanone                     | 1.30  | U         | 1.30 | 5.00       | ug/L  |
| 56-23-5        | Carbon Tetrachloride           | 0.25  | U         | 0.25 | 1.00       | ug/L  |
| 156-59-2       | cis-1,2-Dichloroethene         | 3.10  |           | 0.25 | 1.00       | ug/L  |
| 74-97-5        | Bromochloromethane             | 0.18  | U         | 0.18 | 1.00       | ug/L  |
| 67-66-3        | Chloroform                     | 0.52  | J         | 0.26 | 1.00       | ug/L  |
| 71-55-6        | 1,1,1-Trichloroethane          | 0.19  | U         | 0.19 | 1.00       | ug/L  |
| 108-87-2       | Methylcyclohexane              | 0.19  | U         | 0.19 | 1.00       | ug/L  |
| 71-43-2        | Benzene                        | 0.16  | U         | 0.16 | 1.00       | ug/L  |
| 107-06-2       | 1,2-Dichloroethane             | 0.24  | U         | 0.24 | 1.00       | ug/L  |
| 79-01-6        | Trichloroethene                | 4.00  |           | 0.32 | 1.00       | ug/L  |
| 78-87-5        | 1,2-Dichloropropane            | 0.19  | U         | 0.19 | 1.00       | ug/L  |
| 75-27-4        | Bromodichloromethane           | 0.24  | U         | 0.24 | 1.00       | ug/L  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 0.75  | U         | 0.75 | 5.00       | ug/L  |
| 108-88-3       | Toluene                        | 0.18  | U         | 0.18 | 1.00       | ug/L  |

### Report of Analysis

|                    |                          |        |      |                 |               |    |
|--------------------|--------------------------|--------|------|-----------------|---------------|----|
| Client:            | TechLaw Consultants, Inc |        |      | Date Collected: | 02/12/25      |    |
| Project:           | REAC Commodore           |        |      | Date Received:  | 02/13/25      |    |
| Client Sample ID:  | VFCC-2-021225            |        |      | SDG No.:        | Q1363         |    |
| Lab Sample ID:     | Q1363-07                 |        |      | Matrix:         | Water         |    |
| Analytical Method: | SW8260                   |        |      | % Solid:        | 0             |    |
| Sample Wt/Vol:     | 5                        | Units: | mL   | Final Vol:      | 5000          | uL |
| Soil Aliquot Vol:  |                          |        | uL   | Test:           | VOC-TCLVOA-10 |    |
| GC Column:         | DB-624UI                 | ID :   | 0.18 | Level :         | LOW           |    |
| Prep Method :      |                          |        |      |                 |               |    |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX044967.D        | 1         |           | 02/14/25 17:25 | VX021425      |

| CAS Number                | Parameter                   | Conc.  | Qualifier | MDL      | LOQ / CRQL | Units   |
|---------------------------|-----------------------------|--------|-----------|----------|------------|---------|
| 10061-02-6                | t-1,3-Dichloropropene       | 0.21   | U         | 0.21     | 1.00       | ug/L    |
| 10061-01-5                | cis-1,3-Dichloropropene     | 0.18   | U         | 0.18     | 1.00       | ug/L    |
| 79-00-5                   | 1,1,2-Trichloroethane       | 0.21   | U         | 0.21     | 1.00       | ug/L    |
| 591-78-6                  | 2-Hexanone                  | 1.10   | UQ        | 1.10     | 5.00       | ug/L    |
| 124-48-1                  | Dibromochloromethane        | 0.18   | U         | 0.18     | 1.00       | ug/L    |
| 106-93-4                  | 1,2-Dibromoethane           | 0.16   | U         | 0.16     | 1.00       | ug/L    |
| 127-18-4                  | Tetrachloroethene           | 0.54   | J         | 0.25     | 1.00       | ug/L    |
| 108-90-7                  | Chlorobenzene               | 0.13   | U         | 0.13     | 1.00       | ug/L    |
| 100-41-4                  | Ethyl Benzene               | 0.16   | U         | 0.16     | 1.00       | ug/L    |
| 179601-23-1               | m/p-Xylenes                 | 0.31   | U         | 0.31     | 2.00       | ug/L    |
| 95-47-6                   | o-Xylene                    | 0.14   | U         | 0.14     | 1.00       | ug/L    |
| 100-42-5                  | Styrene                     | 0.16   | U         | 0.16     | 1.00       | ug/L    |
| 75-25-2                   | Bromoform                   | 0.21   | U         | 0.21     | 1.00       | ug/L    |
| 98-82-8                   | Isopropylbenzene            | 0.13   | U         | 0.13     | 1.00       | ug/L    |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane   | 0.27   | U         | 0.27     | 1.00       | ug/L    |
| 541-73-1                  | 1,3-Dichlorobenzene         | 0.24   | U         | 0.24     | 1.00       | ug/L    |
| 106-46-7                  | 1,4-Dichlorobenzene         | 0.27   | U         | 0.27     | 1.00       | ug/L    |
| 95-50-1                   | 1,2-Dichlorobenzene         | 0.19   | U         | 0.19     | 1.00       | ug/L    |
| 96-12-8                   | 1,2-Dibromo-3-Chloropropane | 0.46   | U         | 0.46     | 1.00       | ug/L    |
| 120-82-1                  | 1,2,4-Trichlorobenzene      | 0.42   | U         | 0.42     | 1.00       | ug/L    |
| 87-61-6                   | 1,2,3-Trichlorobenzene      | 0.51   | U         | 0.51     | 1.00       | ug/L    |
| <b>SURROGATES</b>         |                             |        |           |          |            |         |
| 17060-07-0                | 1,2-Dichloroethane-d4       | 57.9   |           | 74 - 125 | 116%       | SPK: 50 |
| 1868-53-7                 | Dibromofluoromethane        | 51.9   |           | 75 - 124 | 104%       | SPK: 50 |
| 2037-26-5                 | Toluene-d8                  | 51.2   |           | 86 - 113 | 102%       | SPK: 50 |
| 460-00-4                  | 4-Bromofluorobenzene        | 54.5   |           | 77 - 121 | 109%       | SPK: 50 |
| <b>INTERNAL STANDARDS</b> |                             |        |           |          |            |         |
| 363-72-4                  | Pentafluorobenzene          | 78500  | 5.55      |          |            |         |
| 540-36-3                  | 1,4-Difluorobenzene         | 163000 | 6.757     |          |            |         |
| 3114-55-4                 | Chlorobenzene-d5            | 153000 | 10.049    |          |            |         |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4      | 68600  | 12.018    |          |            |         |

## Report of Analysis

|                    |                          |        |      |                 |               |
|--------------------|--------------------------|--------|------|-----------------|---------------|
| Client:            | TechLaw Consultants, Inc |        |      | Date Collected: | 02/12/25      |
| Project:           | REAC Commodore           |        |      | Date Received:  | 02/13/25      |
| Client Sample ID:  | VFCC-2-021225            |        |      | SDG No.:        | Q1363         |
| Lab Sample ID:     | Q1363-07                 |        |      | Matrix:         | Water         |
| Analytical Method: | SW8260                   |        |      | % Solid:        | 0             |
| Sample Wt/Vol:     | 5                        | Units: | mL   | Final Vol:      | 5000 uL       |
| Soil Aliquot Vol:  |                          |        | uL   | Test:           | VOC-TCLVOA-10 |
| GC Column:         | DB-624UI                 | ID :   | 0.18 | Level :         | LOW           |
| Prep Method :      |                          |        |      |                 |               |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
|-------------------|-----------|-----------|----------------|---------------|
| VX044967.D        | 1         |           | 02/14/25 17:25 | VX021425      |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|------------|-----------|-------|-----------|-----|------------|-------|
|------------|-----------|-------|-----------|-----|------------|-------|

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021425\  
 Data File : VX044967.D  
 Acq On : 14 Feb 2025 17:25  
 Operator : JC/MD  
 Sample : Q1363-07  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VFCC-2-021225

Quant Time: Feb 14 22:17:38 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 11 03:41:08 2025  
 Response via : Initial Calibration

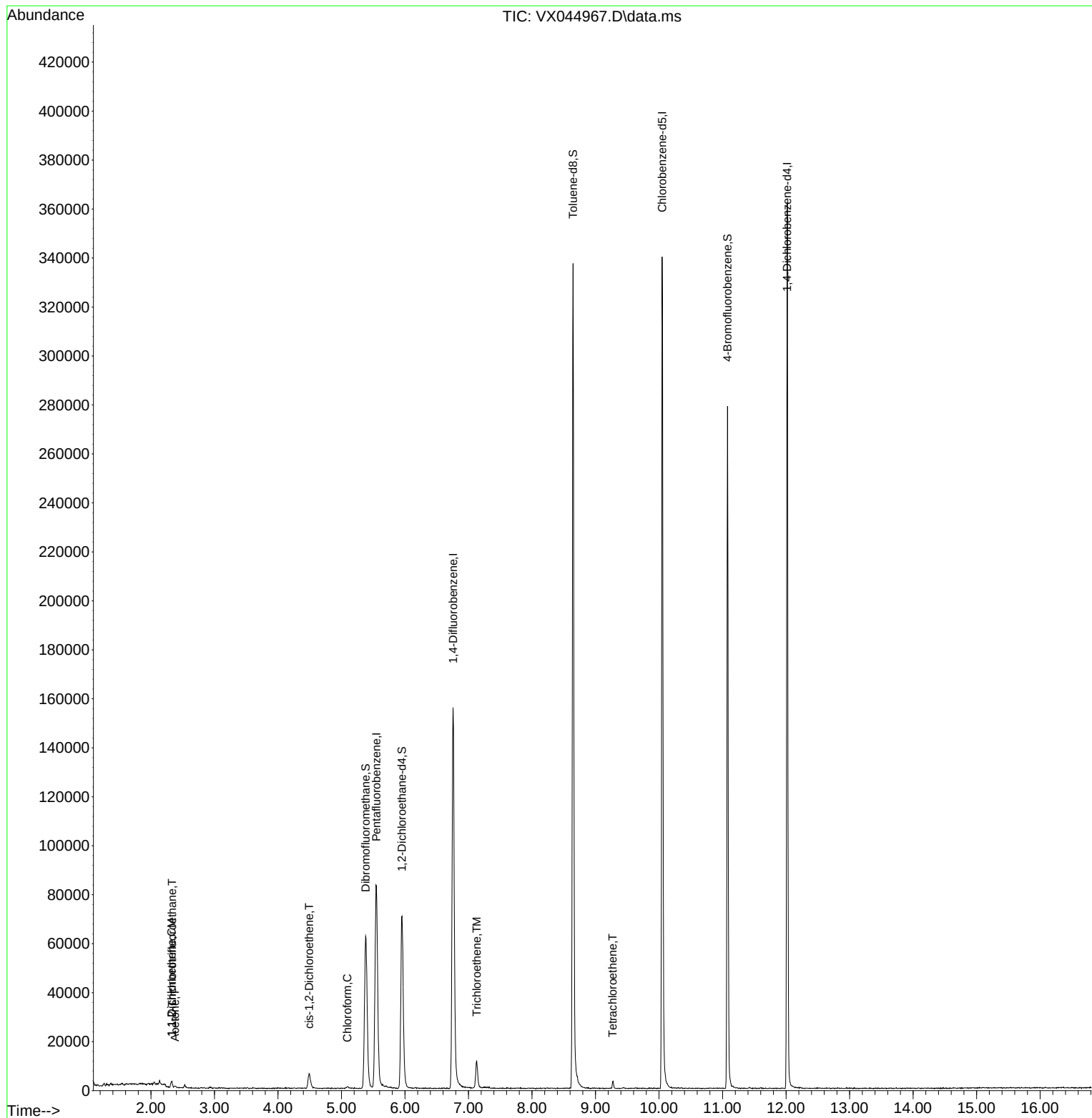
| Compound                     | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|------------------------------|--------|-------|----------|----------|------------|----------|
| -----                        |        |       |          |          |            |          |
| Internal Standards           |        |       |          |          |            |          |
| 1) Pentafluorobenzene        | 5.550  | 168   | 78469    | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.757  | 114   | 163329   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5         | 10.049 | 117   | 153346   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.018 | 152   | 68646    | 50.000   | ug/l       | 0.00     |
|                              |        |       |          |          |            |          |
| System Monitoring Compounds  |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4    | 5.952  | 65    | 66539    | 57.928   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 74 - 125 | Recovery | = 115.860% |          |
| 35) Dibromofluoromethane     | 5.379  | 113   | 55153    | 51.938   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 75 - 124 | Recovery | = 103.880% |          |
| 50) Toluene-d8               | 8.647  | 98    | 205791   | 51.249   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 86 - 113 | Recovery | = 102.500% |          |
| 62) 4-Bromofluorobenzene     | 11.079 | 95    | 73777    | 54.500   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 77 - 121 | Recovery | = 109.000% |          |
|                              |        |       |          |          |            |          |
| Target Compounds             |        |       |          |          |            | Qvalue   |
| 9) 1,1,2-Trichlorotrifluo... | 2.331  | 101   | 772      | 0.779    | ug/l       | 96       |
| 12) 1,1-Dichloroethene       | 2.325  | 96    | 386      | 0.382    | ug/l #     | 79       |
| 16) Acetone                  | 2.380  | 43    | 943      | 2.042    | ug/l       | 96       |
| 27) cis-1,2-Dichloroethene   | 4.489  | 96    | 3763     | 3.147    | ug/l       | 94       |
| 30) Chloroform               | 5.093  | 83    | 977      | 0.521    | ug/l       | 98       |
| 44) Trichloroethene          | 7.129  | 130   | 4393     | 4.017    | ug/l       | 100      |
| 64) Tetrachloroethene        | 9.269  | 164   | 523      | 0.541    | ug/l #     | 77       |
| -----                        |        |       |          |          |            |          |

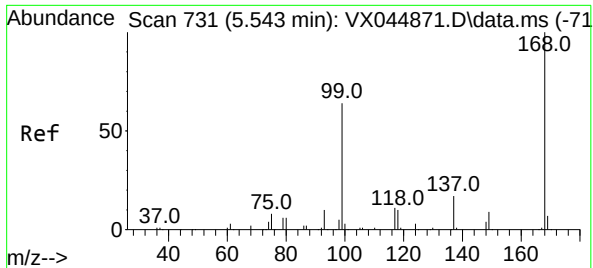
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021425\  
Data File : VX044967.D  
Acq On : 14 Feb 2025 17:25  
Operator : JC/MD  
Sample : Q1363-07  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VFCC-2-021225

Quant Time: Feb 14 22:17:38 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
Quant Title : SW846 8260  
QLast Update : Tue Feb 11 03:41:08 2025  
Response via : Initial Calibration

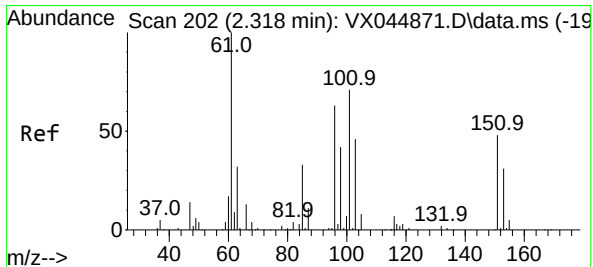
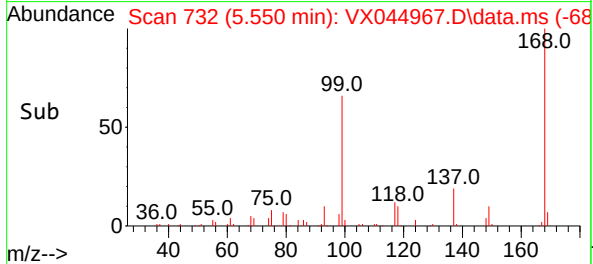
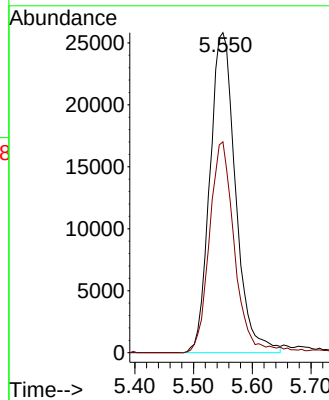
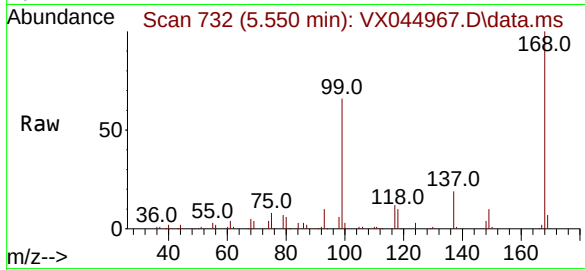




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. 0.007 min  
Lab File: VX044967.D  
Acq: 14 Feb 2025 17:25

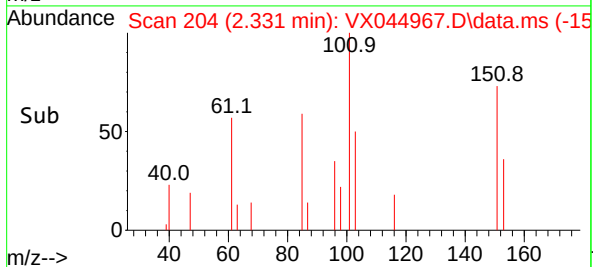
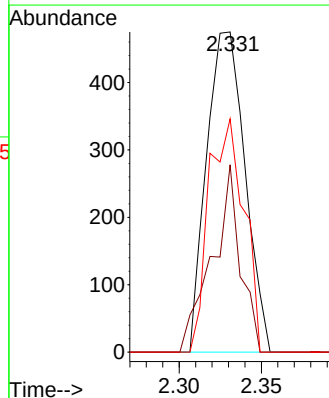
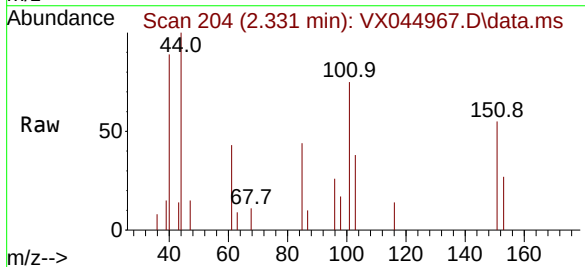
Instrument :  
MSVOA\_X  
ClientSampleId :  
VFCC-2-021225

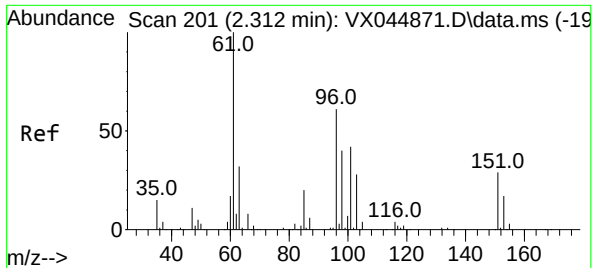
Tgt Ion:168 Resp: 78469  
Ion Ratio Lower Upper  
168 100  
99 65.9 51.2 76.8



#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 0.779 ug/l  
RT: 2.331 min Scan# 204  
Delta R.T. 0.013 min  
Lab File: VX044967.D  
Acq: 14 Feb 2025 17:25

Tgt Ion:101 Resp: 772  
Ion Ratio Lower Upper  
101 100  
85 42.7 35.7 53.5  
151 66.6 56.0 84.0





#12

1,1-Dichloroethene

Concen: 0.382 ug/l

RT: 2.325 min Scan# 201

Delta R.T. 0.013 min

Lab File: VX044967.D

Acq: 14 Feb 2025 17:25

Instrument :

MSVOA\_X

ClientSampleId :

VFCC-2-021225

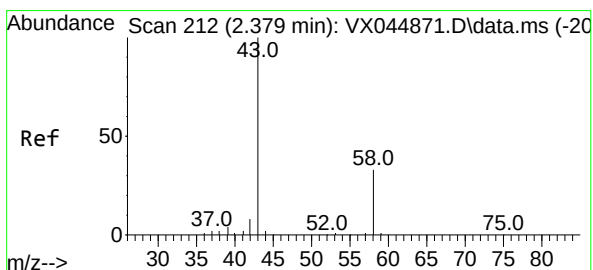
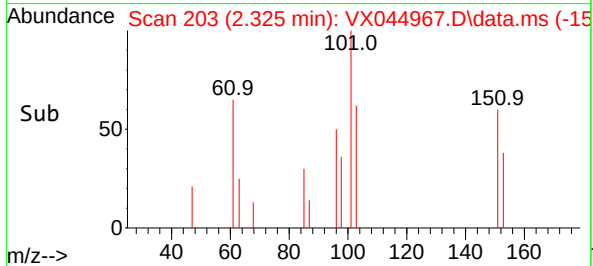
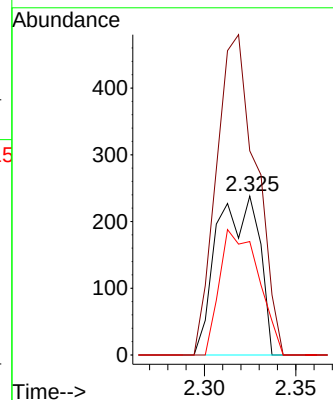
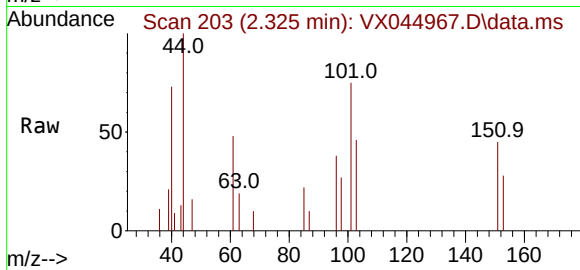
Tgt Ion: 96 Resp: 386

Ion Ratio Lower Upper

96 100

61 128.6 130.2 195.4#

98 71.4 52.2 78.4



#16

Acetone

Concen: 2.042 ug/l

RT: 2.380 min Scan# 212

Delta R.T. 0.000 min

Lab File: VX044967.D

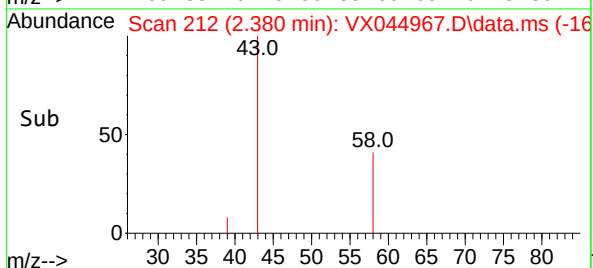
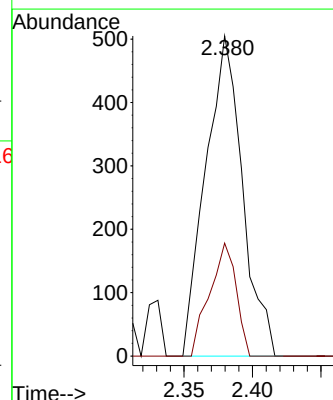
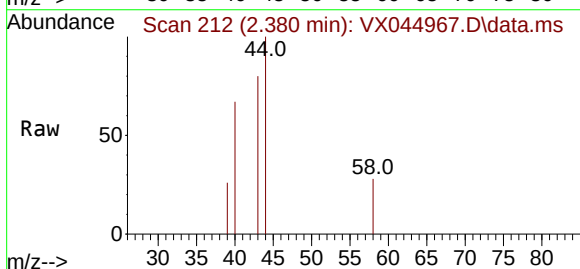
Acq: 14 Feb 2025 17:25

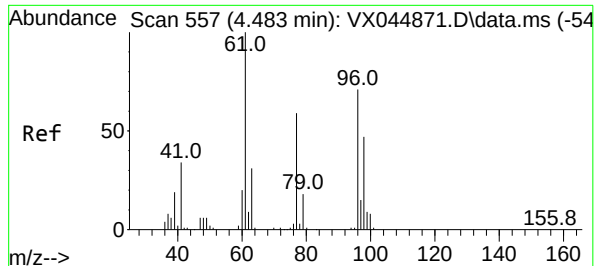
Tgt Ion: 43 Resp: 943

Ion Ratio Lower Upper

43 100

58 35.2 26.5 39.7





#27

cis-1,2-Dichloroethene

Concen: 3.147 ug/l

RT: 4.489 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX044967.D

Acq: 14 Feb 2025 17:25

Instrument :

MSVOA\_X

ClientSampleId :

VFCC-2-021225

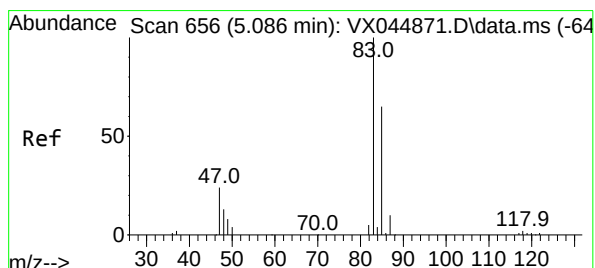
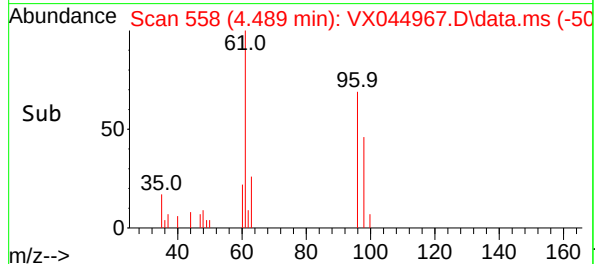
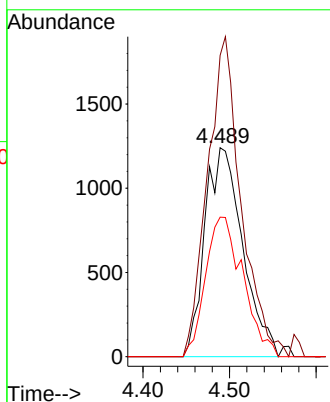
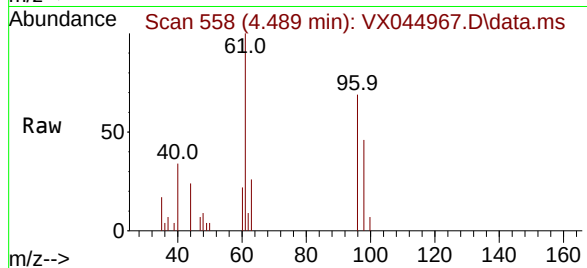
Tgt Ion: 96 Resp: 3763

Ion Ratio Lower Upper

96 100

61 136.2 0.0 294.0

98 66.2 0.0 131.2



#30

Chloroform

Concen: 0.521 ug/l

RT: 5.093 min Scan# 657

Delta R.T. 0.006 min

Lab File: VX044967.D

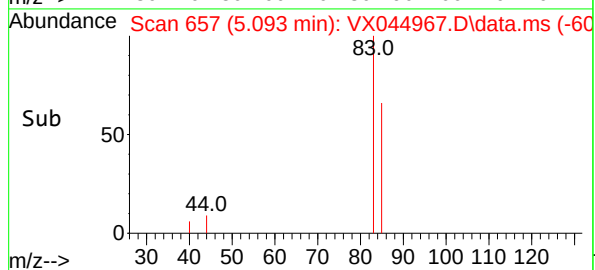
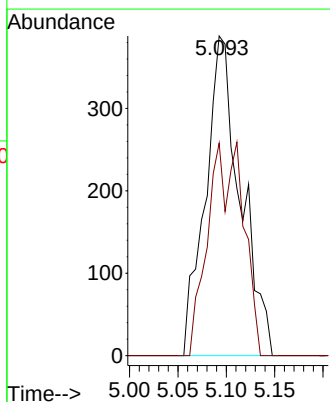
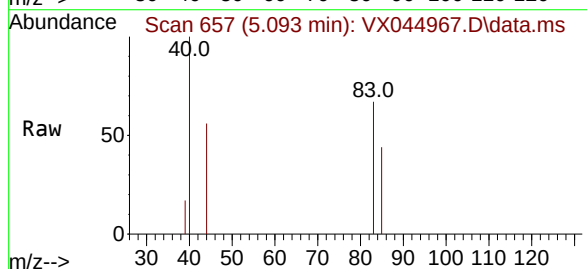
Acq: 14 Feb 2025 17:25

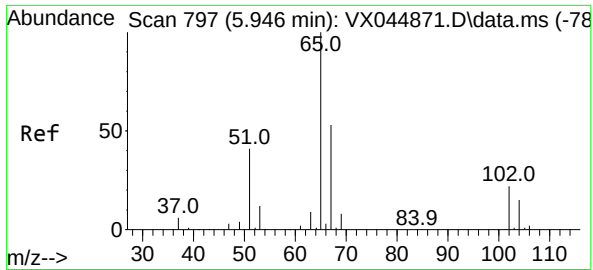
Tgt Ion: 83 Resp: 977

Ion Ratio Lower Upper

83 100

85 66.5 52.1 78.1





#33

1,2-Dichloroethane-d4

Concen: 57.928 ug/l

RT: 5.952 min Scan# 79

Delta R.T. 0.006 min

Lab File: VX044967.D

Acq: 14 Feb 2025 17:25

Instrument :

MSVOA\_X

ClientSampleId :

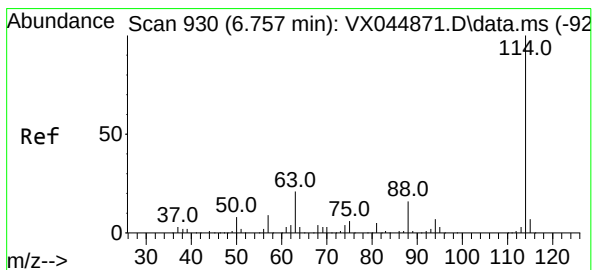
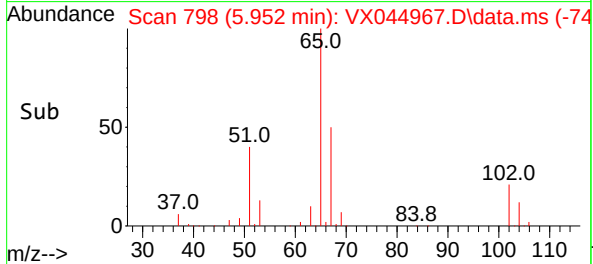
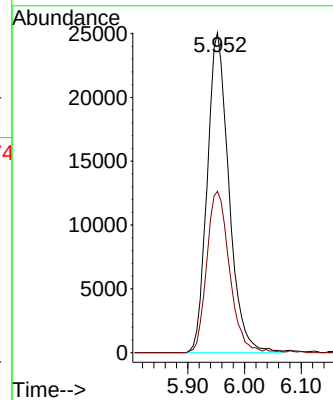
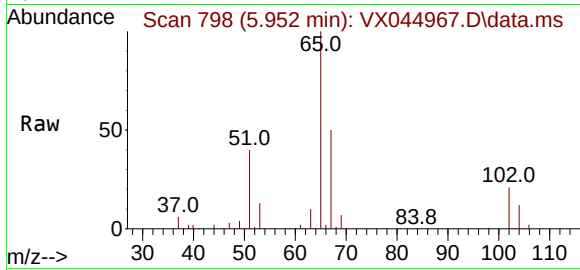
VFCC-2-021225

Tgt Ion: 65 Resp: 66539

Ion Ratio Lower Upper

65 100

67 53.1 0.0 108.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX044967.D

Acq: 14 Feb 2025 17:25

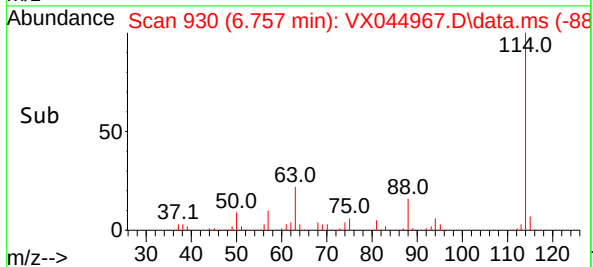
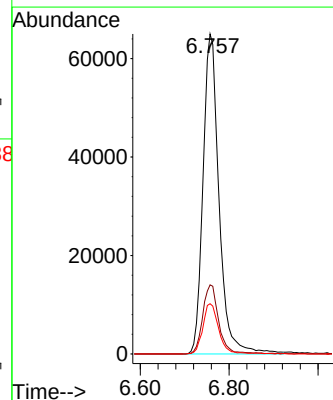
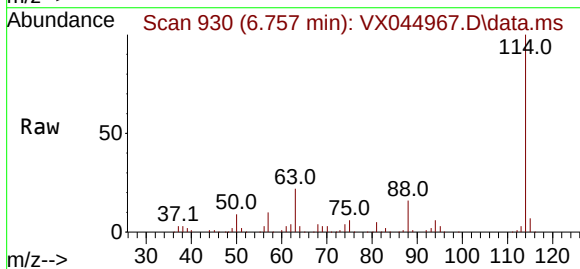
Tgt Ion: 114 Resp: 163329

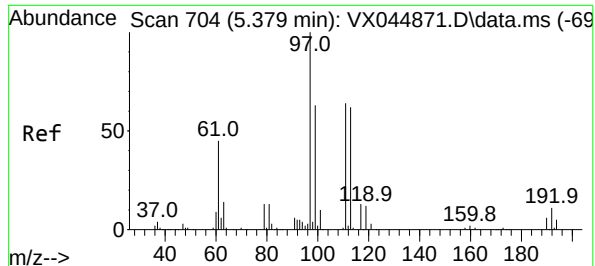
Ion Ratio Lower Upper

114 100

63 21.6 0.0 42.4

88 15.7 0.0 31.4





#35

Dibromofluoromethane

Concen: 51.938 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX044967.D

Acq: 14 Feb 2025 17:25

Instrument :

MSVOA\_X

ClientSampleId :

VFCC-2-021225

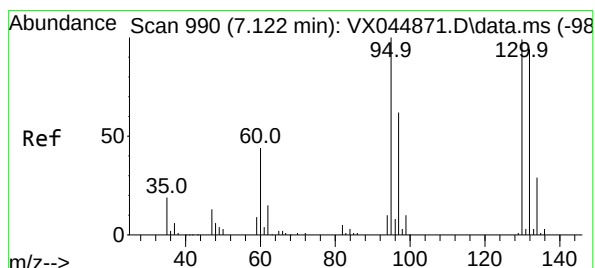
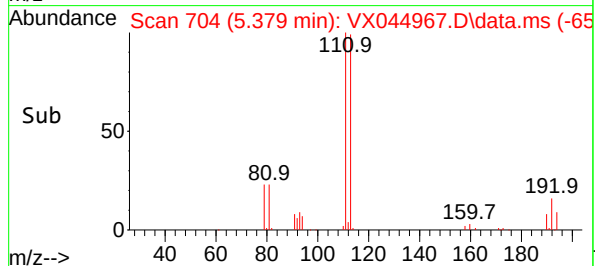
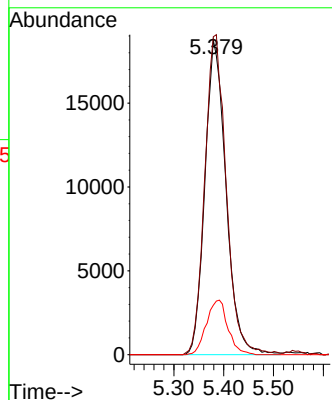
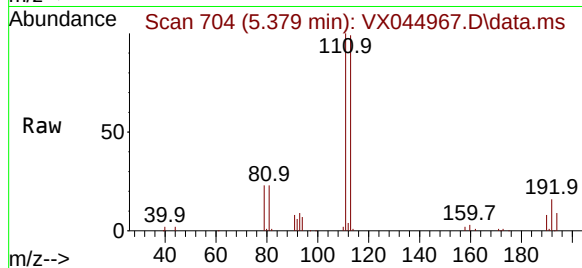
Tgt Ion:113 Resp: 55153

Ion Ratio Lower Upper

113 100

111 103.3 83.5 125.3

192 17.6 14.4 21.6



#44

Trichloroethene

Concen: 4.017 ug/l

RT: 7.129 min Scan# 991

Delta R.T. 0.006 min

Lab File: VX044967.D

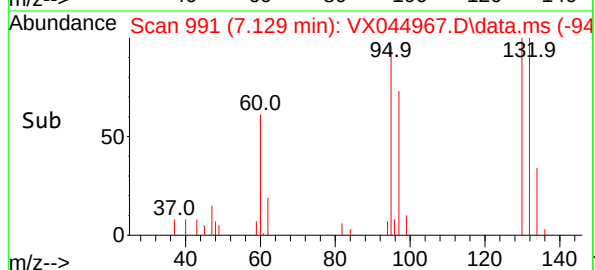
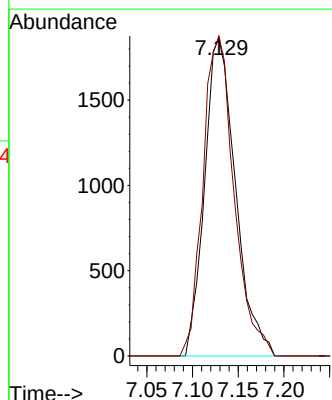
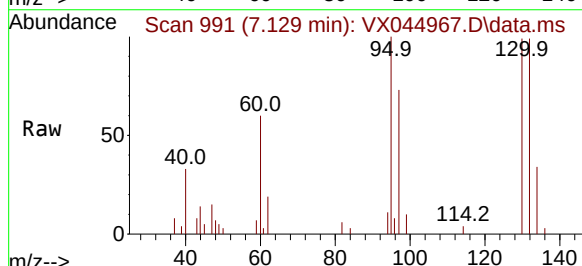
Acq: 14 Feb 2025 17:25

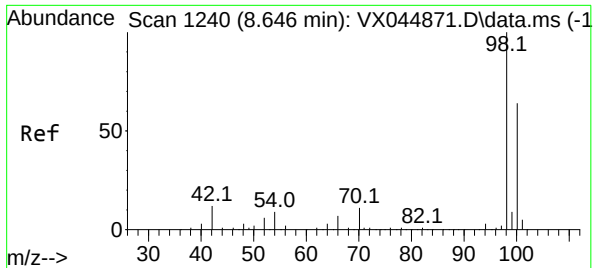
Tgt Ion:130 Resp: 4393

Ion Ratio Lower Upper

130 100

95 100.8 0.0 202.4





#50

Toluene-d8

Concen: 51.249 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX044967.D

Acq: 14 Feb 2025 17:25

Instrument :

MSVOA\_X

ClientSampleId :

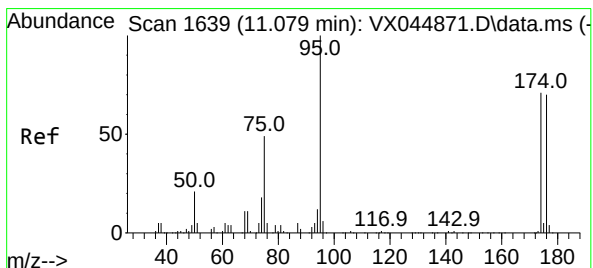
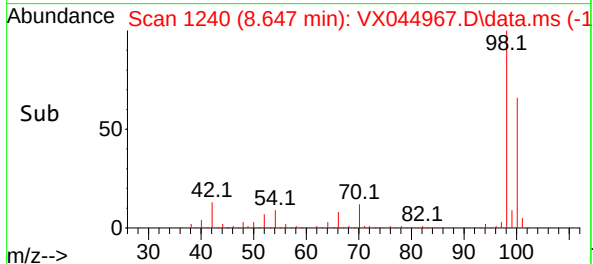
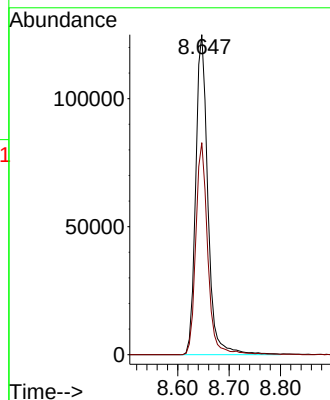
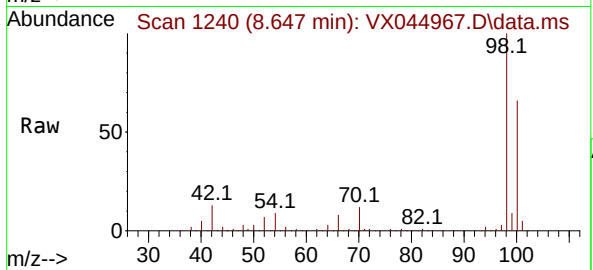
VFCC-2-021225

Tgt Ion: 98 Resp: 205791

Ion Ratio Lower Upper

98 100

100 65.3 52.7 79.1



#62

4-Bromofluorobenzene

Concen: 54.500 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX044967.D

Acq: 14 Feb 2025 17:25

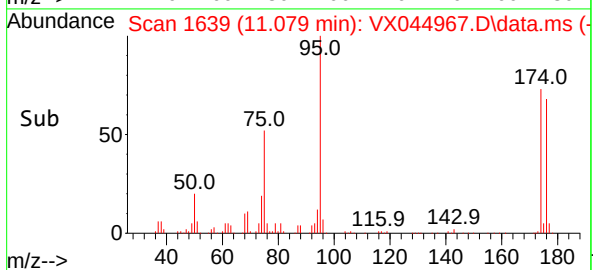
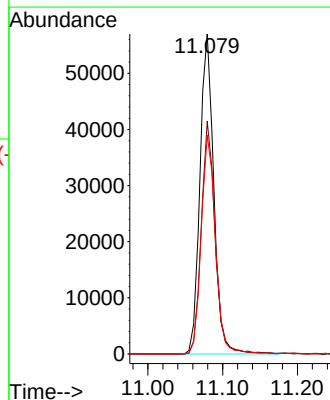
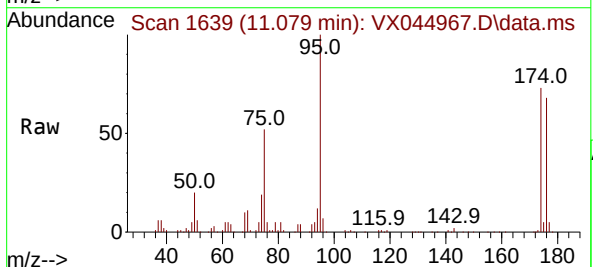
Tgt Ion: 95 Resp: 73777

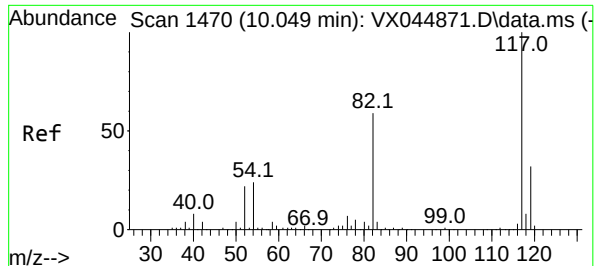
Ion Ratio Lower Upper

95 100

174 72.0 0.0 142.6

176 69.9 0.0 141.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. 0.000 min

Lab File: VX044967.D

Acq: 14 Feb 2025 17:25

Instrument :

MSVOA\_X

ClientSampleId :

VFCC-2-021225

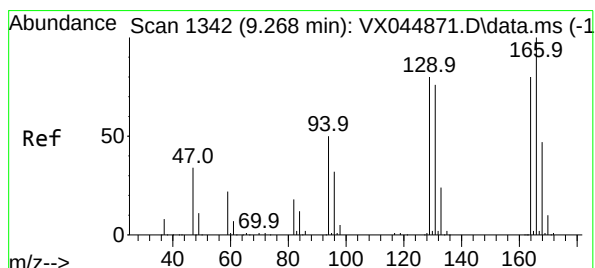
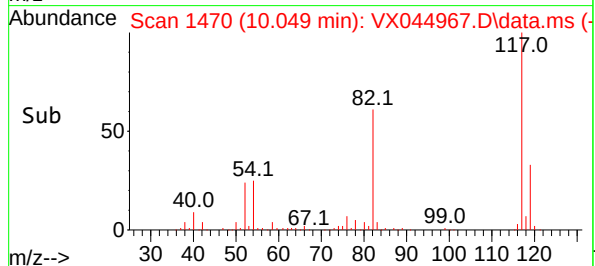
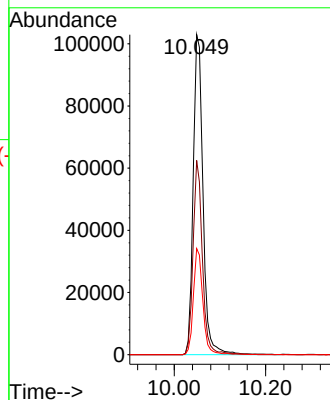
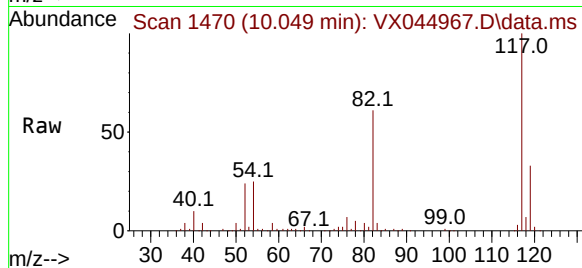
Tgt Ion:117 Resp: 153346

Ion Ratio Lower Upper

117 100

82 60.7 47.5 71.3

119 33.2 25.4 38.0



#64

Tetrachloroethene

Concen: 0.541 ug/l

RT: 9.269 min Scan# 1342

Delta R.T. 0.000 min

Lab File: VX044967.D

Acq: 14 Feb 2025 17:25

Tgt Ion:164 Resp: 523

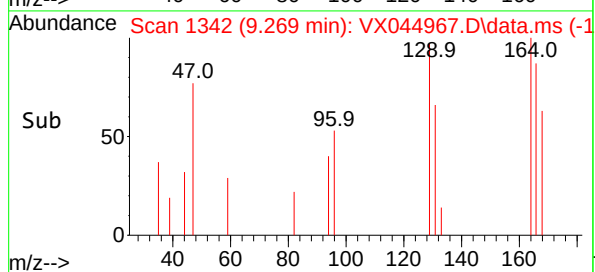
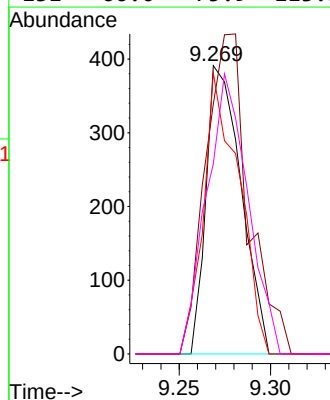
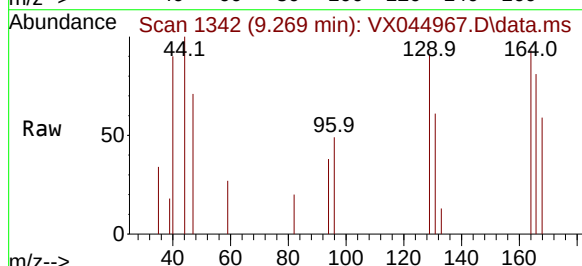
Ion Ratio Lower Upper

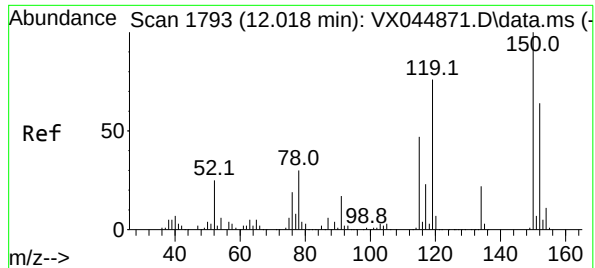
164 100

166 86.7 100.4 150.6#

129 97.4 79.9 119.9

131 66.0 75.9 113.9#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX044967.D

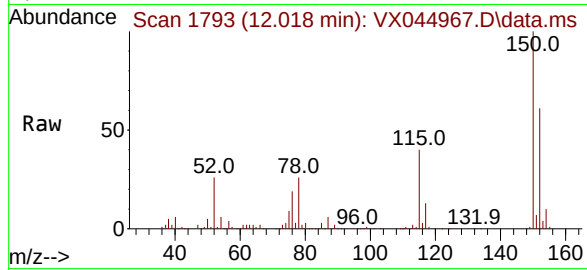
Acq: 14 Feb 2025 17:25

Instrument :

MSVOA\_X

ClientSampleId :

VFCC-2-021225



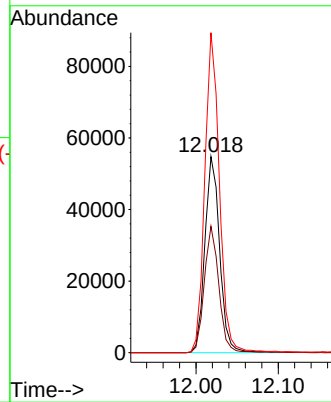
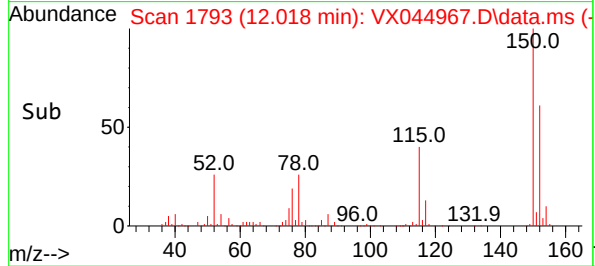
Tgt Ion:152 Resp: 68646

Ion Ratio Lower Upper

152 100

115 63.6 43.4 130.1

150 161.5 0.0 350.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021425\  
Data File : VX044967.D  
Acq On : 14 Feb 2025 17:25  
Operator : JC/MD  
Sample : Q1363-07  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VFCC-2-021225

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
Title : SW846 8260

Signal : TIC: VX044967.D\data.ms

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 4.489       | 551           | 558         | 568          | rBV3     | 6056           | 16421         | 2.97%           | 0.566%        |
| 2         | 5.379       | 692           | 704         | 721          | rBV2     | 62088          | 185404        | 33.54%          | 6.391%        |
| 3         | 5.544       | 721           | 731         | 747          | rBV      | 82515          | 241282        | 43.65%          | 8.317%        |
| 4         | 5.952       | 786           | 798         | 816          | rBV2     | 70379          | 193425        | 34.99%          | 6.667%        |
| 5         | 6.757       | 921           | 930         | 956          | rBV      | 155545         | 387914        | 70.18%          | 13.371%       |
| 6         | 7.129       | 980           | 991         | 998          | rBV3     | 11036          | 24780         | 4.48%           | 0.854%        |
| 7         | 8.647       | 1233          | 1240        | 1261         | rBV      | 336773         | 552779        | 100.00%         | 19.053%       |
| 8         | 10.049      | 1465          | 1470        | 1493         | rBV      | 339576         | 492590        | 89.11%          | 16.979%       |
| 9         | 11.079      | 1634          | 1639        | 1649         | rBV      | 278460         | 357494        | 64.67%          | 12.322%       |
| 10        | 12.018      | 1788          | 1793        | 1804         | rBV      | 361770         | 449127        | 81.25%          | 15.481%       |

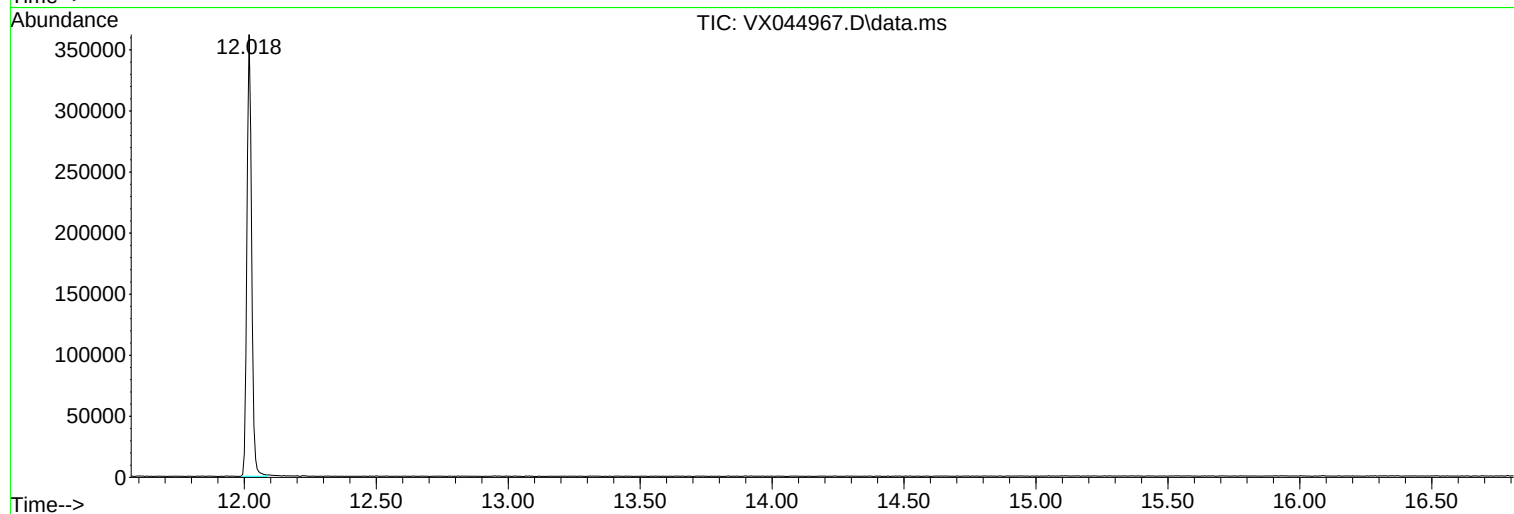
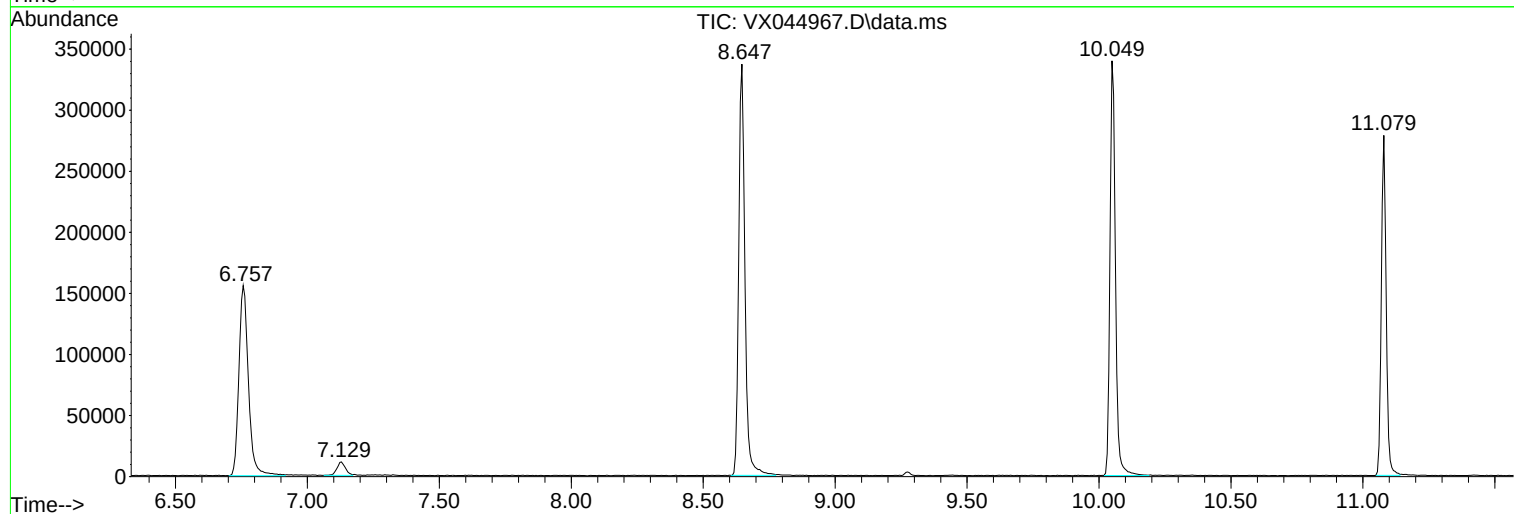
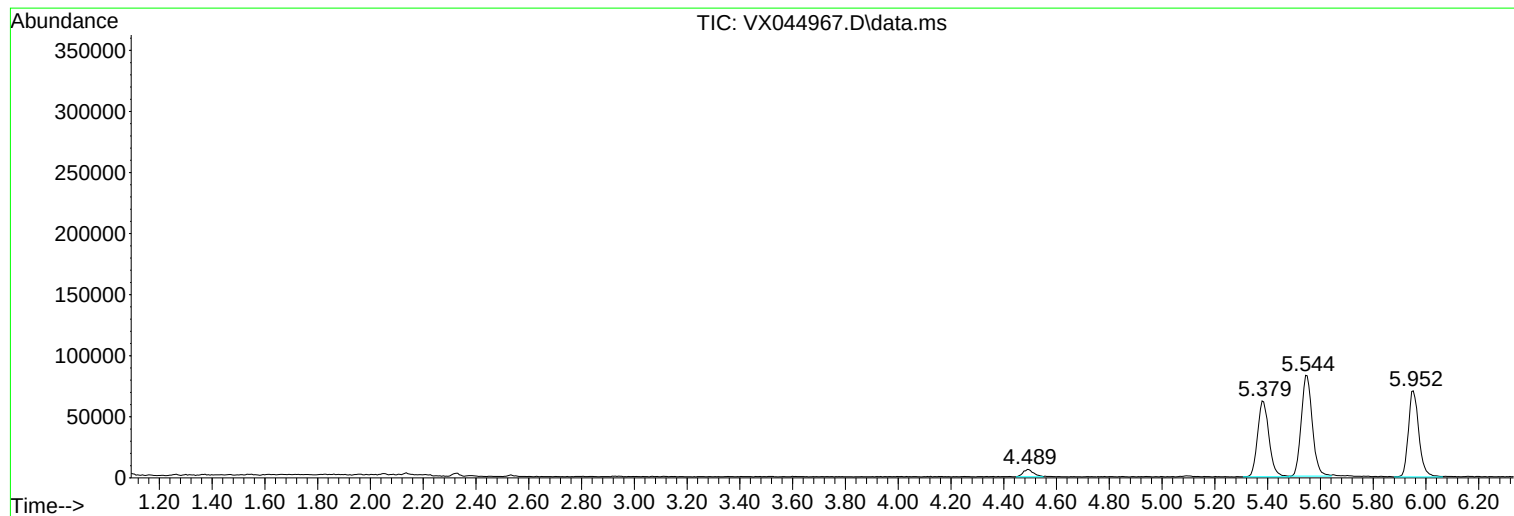
Sum of corrected areas: 2901216

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021425\  
Data File : VX044967.D  
Acq On : 14 Feb 2025 17:25  
Operator : JC/MD  
Sample : Q1363-07  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VFCC-2-021225

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021425\  
Data File : VX044967.D  
Acq On : 14 Feb 2025 17:25  
Operator : JC/MD  
Sample : Q1363-07  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VFCC-2-021225

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
Quant Title : SW846 8260

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

No Library Search Compounds Detected

\*\*\*\*\*

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021425\  
Data File : VX044967.D  
Acq On : 14 Feb 2025 17:25  
Operator : JC/MD  
Sample : Q1363-07  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VFCC-2-021225

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
Quant Title : SW846 8260

TIC Library : C:\Database\NIST0.L  
TIC Integration Parameters: LSCINT.P

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

## Report of Analysis

|                    |                                            |                 |                              |
|--------------------|--------------------------------------------|-----------------|------------------------------|
| Client:            | TechLaw Consultants, Inc                   | Date Collected: | 02/12/25                     |
| Project:           | REAC Commodore                             | Date Received:  | 02/13/25                     |
| Client Sample ID:  | VFCC-3-021225                              | SDG No.:        | Q1363                        |
| Lab Sample ID:     | Q1363-08                                   | Matrix:         | Water                        |
| Analytical Method: | SW8260                                     | % Solid:        | 0                            |
| Sample Wt/Vol:     | 5                      Units:    mL        | Final Vol:      | 5000                      uL |
| Soil Aliquot Vol:  | uL                                         | Test:           | VOC-TCLVOA-10                |
| GC Column:         | DB-624UI                      ID :    0.18 | Level :         | LOW                          |
| Prep Method :      |                                            |                 |                              |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX044968.D        | 1         |           | 02/14/25 17:48 | VX021425      |

| CAS Number     | Parameter                      | Conc. | Qualifier | MDL  | LOQ / CRQL | Units |
|----------------|--------------------------------|-------|-----------|------|------------|-------|
| <b>TARGETS</b> |                                |       |           |      |            |       |
| 75-71-8        | Dichlorodifluoromethane        | 7.20  |           | 0.21 | 1.00       | ug/L  |
| 74-87-3        | Chloromethane                  | 0.35  | U         | 0.35 | 1.00       | ug/L  |
| 75-01-4        | Vinyl Chloride                 | 0.34  | U         | 0.34 | 1.00       | ug/L  |
| 74-83-9        | Bromomethane                   | 1.40  | U         | 1.40 | 5.00       | ug/L  |
| 75-00-3        | Chloroethane                   | 0.56  | U         | 0.56 | 1.00       | ug/L  |
| 75-69-4        | Trichlorofluoromethane         | 0.34  | U         | 0.34 | 1.00       | ug/L  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 26.6  |           | 0.25 | 1.00       | ug/L  |
| 75-35-4        | 1,1-Dichloroethene             | 1.20  |           | 0.26 | 1.00       | ug/L  |
| 67-64-1        | Acetone                        | 2.00  | J         | 1.40 | 5.00       | ug/L  |
| 75-15-0        | Carbon Disulfide               | 0.32  | U         | 0.32 | 1.00       | ug/L  |
| 1634-04-4      | Methyl tert-butyl Ether        | 0.16  | U         | 0.16 | 1.00       | ug/L  |
| 79-20-9        | Methyl Acetate                 | 0.60  | U         | 0.60 | 1.00       | ug/L  |
| 75-09-2        | Methylene Chloride             | 0.32  | U         | 0.32 | 1.00       | ug/L  |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.25  | U         | 0.25 | 1.00       | ug/L  |
| 75-34-3        | 1,1-Dichloroethane             | 0.23  | U         | 0.23 | 1.00       | ug/L  |
| 110-82-7       | Cyclohexane                    | 1.60  | U         | 1.60 | 5.00       | ug/L  |
| 78-93-3        | 2-Butanone                     | 1.30  | U         | 1.30 | 5.00       | ug/L  |
| 56-23-5        | Carbon Tetrachloride           | 0.25  | U         | 0.25 | 1.00       | ug/L  |
| 156-59-2       | cis-1,2-Dichloroethene         | 2.90  |           | 0.25 | 1.00       | ug/L  |
| 74-97-5        | Bromochloromethane             | 0.18  | U         | 0.18 | 1.00       | ug/L  |
| 67-66-3        | Chloroform                     | 0.26  | U         | 0.26 | 1.00       | ug/L  |
| 71-55-6        | 1,1,1-Trichloroethane          | 0.19  | U         | 0.19 | 1.00       | ug/L  |
| 108-87-2       | Methylcyclohexane              | 0.19  | U         | 0.19 | 1.00       | ug/L  |
| 71-43-2        | Benzene                        | 0.16  | U         | 0.16 | 1.00       | ug/L  |
| 107-06-2       | 1,2-Dichloroethane             | 0.24  | U         | 0.24 | 1.00       | ug/L  |
| 79-01-6        | Trichloroethene                | 11.1  |           | 0.32 | 1.00       | ug/L  |
| 78-87-5        | 1,2-Dichloropropane            | 0.19  | U         | 0.19 | 1.00       | ug/L  |
| 75-27-4        | Bromodichloromethane           | 0.24  | U         | 0.24 | 1.00       | ug/L  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 0.75  | U         | 0.75 | 5.00       | ug/L  |
| 108-88-3       | Toluene                        | 0.18  | U         | 0.18 | 1.00       | ug/L  |

### Report of Analysis

|                    |                          |        |      |                 |               |    |
|--------------------|--------------------------|--------|------|-----------------|---------------|----|
| Client:            | TechLaw Consultants, Inc |        |      | Date Collected: | 02/12/25      |    |
| Project:           | REAC Commodore           |        |      | Date Received:  | 02/13/25      |    |
| Client Sample ID:  | VFCC-3-021225            |        |      | SDG No.:        | Q1363         |    |
| Lab Sample ID:     | Q1363-08                 |        |      | Matrix:         | Water         |    |
| Analytical Method: | SW8260                   |        |      | % Solid:        | 0             |    |
| Sample Wt/Vol:     | 5                        | Units: | mL   | Final Vol:      | 5000          | uL |
| Soil Aliquot Vol:  |                          |        | uL   | Test:           | VOC-TCLVOA-10 |    |
| GC Column:         | DB-624UI                 | ID :   | 0.18 | Level :         | LOW           |    |
| Prep Method :      |                          |        |      |                 |               |    |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX044968.D        | 1         |           | 02/14/25 17:48 | VX021425      |

| CAS Number                | Parameter                   | Conc.  | Qualifier | MDL      | LOQ / CRQL | Units   |
|---------------------------|-----------------------------|--------|-----------|----------|------------|---------|
| 10061-02-6                | t-1,3-Dichloropropene       | 0.21   | U         | 0.21     | 1.00       | ug/L    |
| 10061-01-5                | cis-1,3-Dichloropropene     | 0.18   | U         | 0.18     | 1.00       | ug/L    |
| 79-00-5                   | 1,1,2-Trichloroethane       | 0.21   | U         | 0.21     | 1.00       | ug/L    |
| 591-78-6                  | 2-Hexanone                  | 1.10   | UQ        | 1.10     | 5.00       | ug/L    |
| 124-48-1                  | Dibromochloromethane        | 0.18   | U         | 0.18     | 1.00       | ug/L    |
| 106-93-4                  | 1,2-Dibromoethane           | 0.16   | U         | 0.16     | 1.00       | ug/L    |
| 127-18-4                  | Tetrachloroethene           | 3.90   |           | 0.25     | 1.00       | ug/L    |
| 108-90-7                  | Chlorobenzene               | 0.13   | U         | 0.13     | 1.00       | ug/L    |
| 100-41-4                  | Ethyl Benzene               | 0.16   | U         | 0.16     | 1.00       | ug/L    |
| 179601-23-1               | m/p-Xylenes                 | 0.31   | U         | 0.31     | 2.00       | ug/L    |
| 95-47-6                   | o-Xylene                    | 0.14   | U         | 0.14     | 1.00       | ug/L    |
| 100-42-5                  | Styrene                     | 0.16   | U         | 0.16     | 1.00       | ug/L    |
| 75-25-2                   | Bromoform                   | 0.21   | U         | 0.21     | 1.00       | ug/L    |
| 98-82-8                   | Isopropylbenzene            | 0.13   | U         | 0.13     | 1.00       | ug/L    |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane   | 0.27   | U         | 0.27     | 1.00       | ug/L    |
| 541-73-1                  | 1,3-Dichlorobenzene         | 0.24   | U         | 0.24     | 1.00       | ug/L    |
| 106-46-7                  | 1,4-Dichlorobenzene         | 0.27   | U         | 0.27     | 1.00       | ug/L    |
| 95-50-1                   | 1,2-Dichlorobenzene         | 0.19   | U         | 0.19     | 1.00       | ug/L    |
| 96-12-8                   | 1,2-Dibromo-3-Chloropropane | 0.46   | U         | 0.46     | 1.00       | ug/L    |
| 120-82-1                  | 1,2,4-Trichlorobenzene      | 0.42   | U         | 0.42     | 1.00       | ug/L    |
| 87-61-6                   | 1,2,3-Trichlorobenzene      | 0.51   | U         | 0.51     | 1.00       | ug/L    |
| <b>SURROGATES</b>         |                             |        |           |          |            |         |
| 17060-07-0                | 1,2-Dichloroethane-d4       | 57.3   |           | 74 - 125 | 115%       | SPK: 50 |
| 1868-53-7                 | Dibromofluoromethane        | 52.2   |           | 75 - 124 | 104%       | SPK: 50 |
| 2037-26-5                 | Toluene-d8                  | 50.3   |           | 86 - 113 | 101%       | SPK: 50 |
| 460-00-4                  | 4-Bromofluorobenzene        | 52.8   |           | 77 - 121 | 106%       | SPK: 50 |
| <b>INTERNAL STANDARDS</b> |                             |        |           |          |            |         |
| 363-72-4                  | Pentafluorobenzene          | 77100  | 5.55      |          |            |         |
| 540-36-3                  | 1,4-Difluorobenzene         | 156000 | 6.757     |          |            |         |
| 3114-55-4                 | Chlorobenzene-d5            | 144000 | 10.055    |          |            |         |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4      | 65100  | 12.018    |          |            |         |

## Report of Analysis

|                    |                                            |                 |                              |
|--------------------|--------------------------------------------|-----------------|------------------------------|
| Client:            | TechLaw Consultants, Inc                   | Date Collected: | 02/12/25                     |
| Project:           | REAC Commodore                             | Date Received:  | 02/13/25                     |
| Client Sample ID:  | VFCC-3-021225                              | SDG No.:        | Q1363                        |
| Lab Sample ID:     | Q1363-08                                   | Matrix:         | Water                        |
| Analytical Method: | SW8260                                     | % Solid:        | 0                            |
| Sample Wt/Vol:     | 5                      Units:    mL        | Final Vol:      | 5000                      uL |
| Soil Aliquot Vol:  | uL                                         | Test:           | VOC-TCLVOA-10                |
| GC Column:         | DB-624UI                      ID :    0.18 | Level :         | LOW                          |
| Prep Method :      |                                            |                 |                              |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX044968.D        | 1         |           | 02/14/25 17:48 | VX021425      |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|------------|-----------|-------|-----------|-----|------------|-------|
|------------|-----------|-------|-----------|-----|------------|-------|

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021425\  
 Data File : VX044968.D  
 Acq On : 14 Feb 2025 17:48  
 Operator : JC/MD  
 Sample : Q1363-08  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VFCC-3-021225

Quant Time: Feb 14 22:18:00 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 11 03:41:08 2025  
 Response via : Initial Calibration

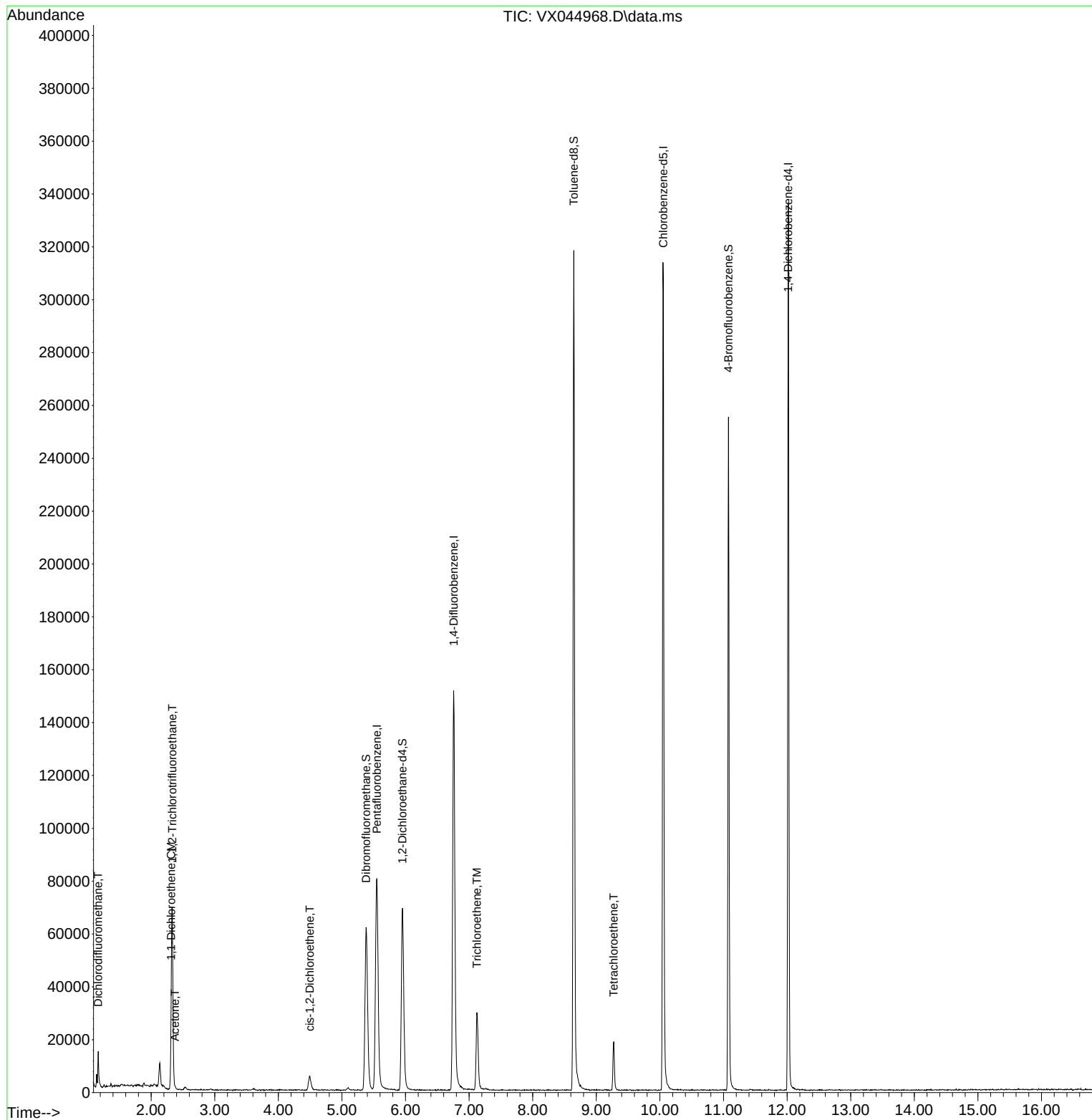
| Compound                     | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|------------------------------|--------|-------|----------|----------|------------|----------|
| -----                        |        |       |          |          |            |          |
| Internal Standards           |        |       |          |          |            |          |
| 1) Pentafluorobenzene        | 5.550  | 168   | 77144    | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.757  | 114   | 155981   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5         | 10.055 | 117   | 144021   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.018 | 152   | 65055    | 50.000   | ug/l       | 0.00     |
|                              |        |       |          |          |            |          |
| System Monitoring Compounds  |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4    | 5.952  | 65    | 64740    | 57.330   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 74 - 125 | Recovery | = 114.660% |          |
| 35) Dibromofluoromethane     | 5.379  | 113   | 52935    | 52.197   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 75 - 124 | Recovery | = 104.400% |          |
| 50) Toluene-d8               | 8.647  | 98    | 192989   | 50.325   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 86 - 113 | Recovery | = 100.640% |          |
| 62) 4-Bromofluorobenzene     | 11.079 | 95    | 68282    | 52.817   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 77 - 121 | Recovery | = 105.640% |          |
|                              |        |       |          |          |            |          |
| Target Compounds             |        |       |          |          |            | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.166  | 85    | 7767     | 7.179    | ug/l       | 99       |
| 9) 1,1,2-Trichlorotrifluo... | 2.331  | 101   | 25906    | 26.577   | ug/l       | 96       |
| 12) 1,1-Dichloroethene       | 2.313  | 96    | 1208     | 1.215    | ug/l #     | 78       |
| 16) Acetone                  | 2.374  | 43    | 912      | 2.009    | ug/l       | 91       |
| 27) cis-1,2-Dichloroethene   | 4.495  | 96    | 3466     | 2.949    | ug/l       | 93       |
| 44) Trichloroethene          | 7.123  | 130   | 11545    | 11.055   | ug/l       | 94       |
| 64) Tetrachloroethene        | 9.275  | 164   | 3586     | 3.948    | ug/l       | 91       |
| -----                        |        |       |          |          |            |          |

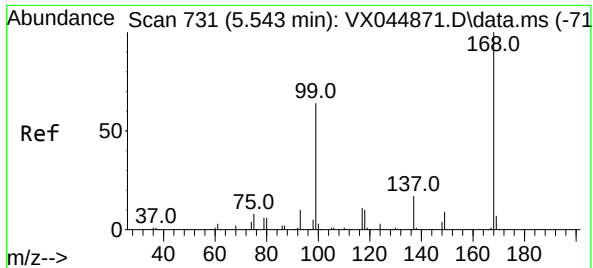
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021425\  
Data File : VX044968.D  
Acq On : 14 Feb 2025 17:48  
Operator : JC/MD  
Sample : Q1363-08  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VFCC-3-021225

Quant Time: Feb 14 22:18:00 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
Quant Title : SW846 8260  
QLast Update : Tue Feb 11 03:41:08 2025  
Response via : Initial Calibration

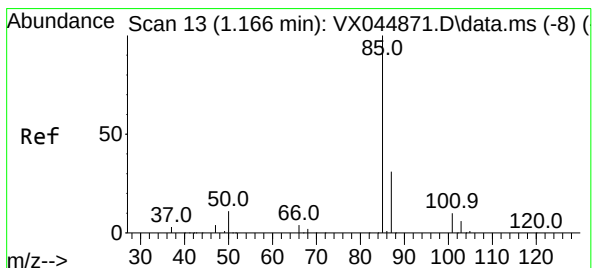
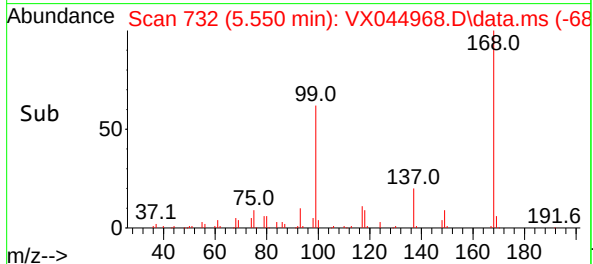
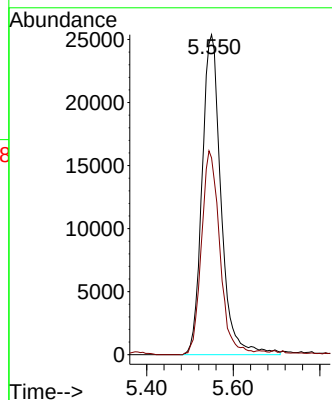
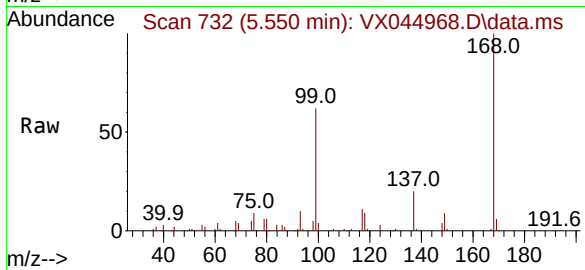




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. 0.007 min  
Lab File: VX044968.D  
Acq: 14 Feb 2025 17:48

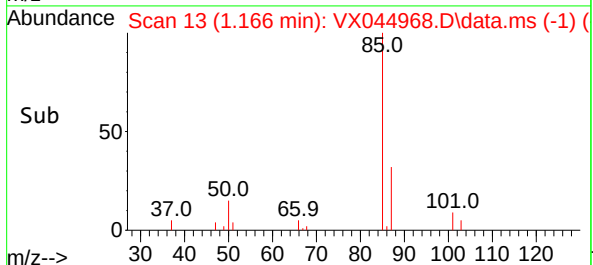
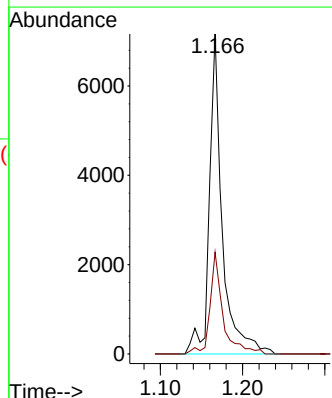
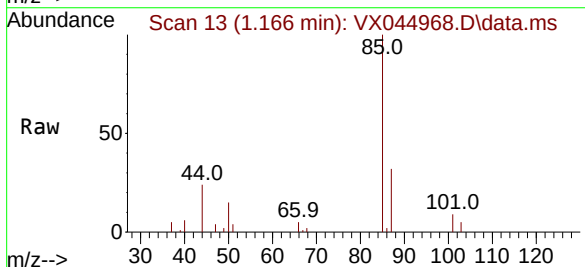
Instrument :  
MSVOA\_X  
ClientSampleId :  
VFCC-3-021225

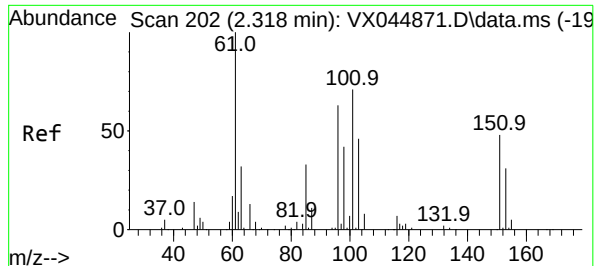
Tgt Ion:168 Resp: 77144  
Ion Ratio Lower Upper  
168 100  
99 61.5 51.2 76.8



#2  
Dichlorodifluoromethane  
Concen: 7.179 ug/l  
RT: 1.166 min Scan# 13  
Delta R.T. 0.000 min  
Lab File: VX044968.D  
Acq: 14 Feb 2025 17:48

Tgt Ion: 85 Resp: 7767  
Ion Ratio Lower Upper  
85 100  
87 31.8 15.8 47.3

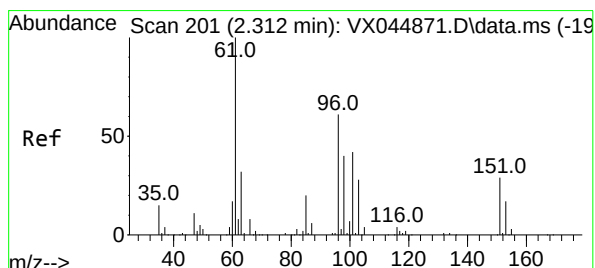
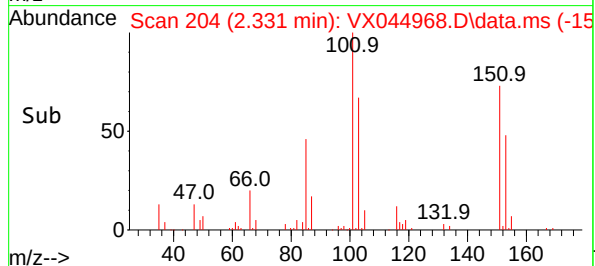
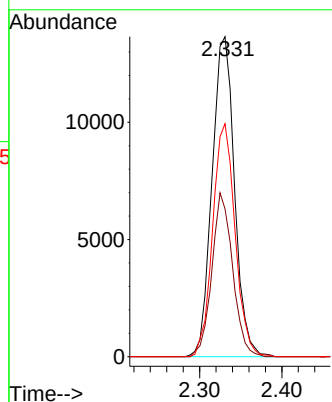
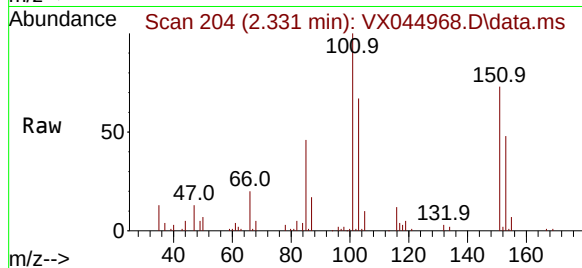




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 26.577 ug/l  
RT: 2.331 min Scan# 204  
Delta R.T. 0.013 min  
Lab File: VX044968.D  
Acq: 14 Feb 2025 17:48

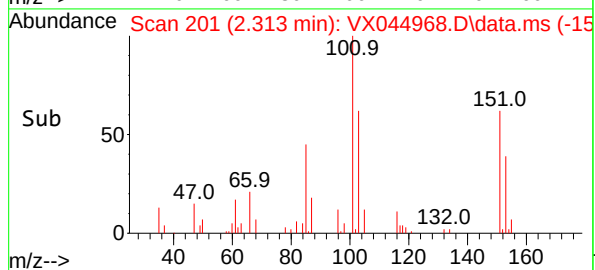
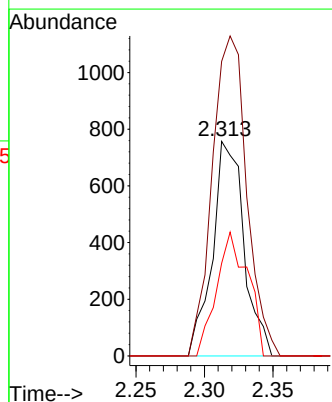
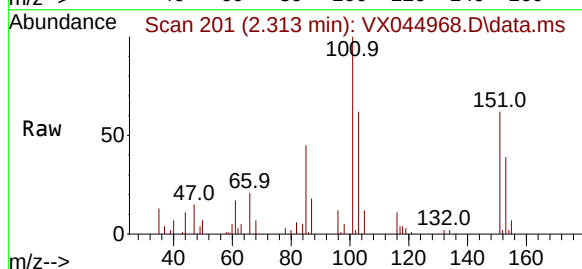
Instrument :  
MSVOA\_X  
ClientSampleId :  
VFCC-3-021225

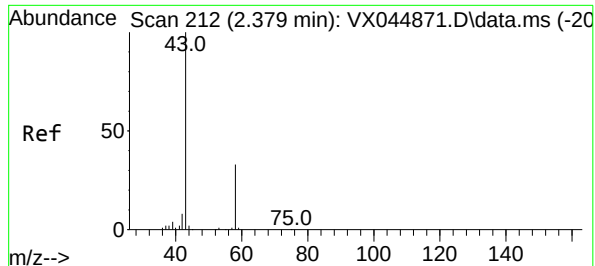
Tgt Ion:101 Resp: 25906  
Ion Ratio Lower Upper  
101 100  
85 47.4 35.7 53.5  
151 72.7 56.0 84.0



#12  
1,1-Dichloroethene  
Concen: 1.215 ug/l  
RT: 2.313 min Scan# 201  
Delta R.T. 0.000 min  
Lab File: VX044968.D  
Acq: 14 Feb 2025 17:48

Tgt Ion: 96 Resp: 1208  
Ion Ratio Lower Upper  
96 100  
61 137.3 130.2 195.4  
98 43.2 52.2 78.4#

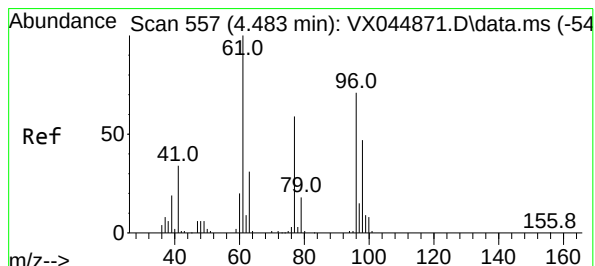
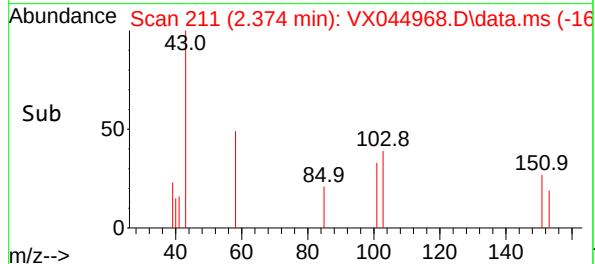
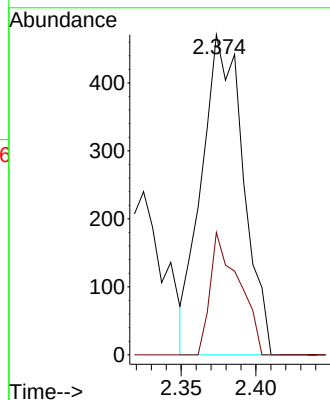
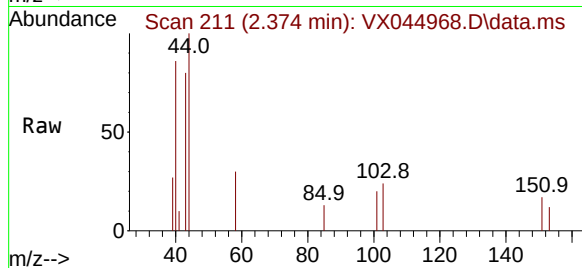




#16  
Acetone  
Concen: 2.009 ug/l  
RT: 2.374 min Scan# 212  
Delta R.T. -0.006 min  
Lab File: VX044968.D  
Acq: 14 Feb 2025 17:48

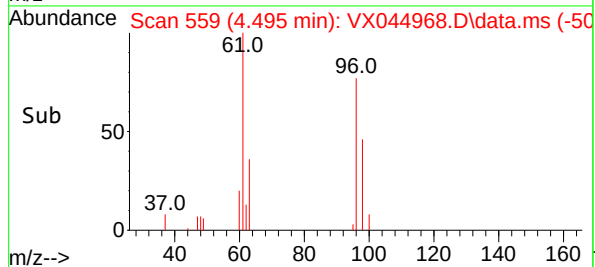
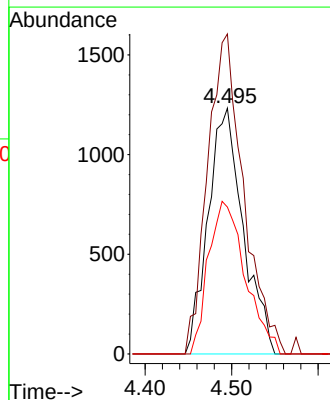
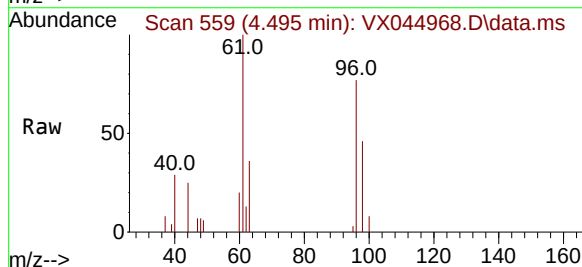
Instrument :  
MSVOA\_X  
ClientSampleId :  
VFCC-3-021225

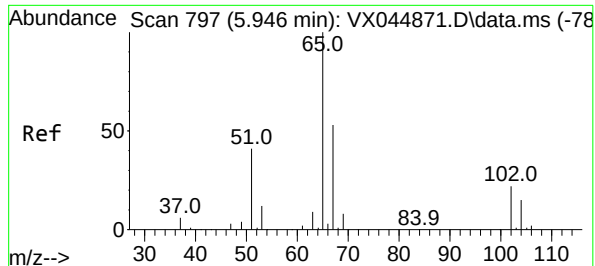
Tgt Ion: 43 Resp: 912  
Ion Ratio Lower Upper  
43 100  
58 38.2 26.5 39.7



#27  
cis-1,2-Dichloroethene  
Concen: 2.949 ug/l  
RT: 4.495 min Scan# 559  
Delta R.T. 0.013 min  
Lab File: VX044968.D  
Acq: 14 Feb 2025 17:48

Tgt Ion: 96 Resp: 3466  
Ion Ratio Lower Upper  
96 100  
61 133.9 0.0 294.0  
98 65.5 0.0 131.2





#33

1,2-Dichloroethane-d4

Concen: 57.330 ug/l

RT: 5.952 min Scan# 79

Delta R.T. 0.006 min

Lab File: VX044968.D

Acq: 14 Feb 2025 17:48

Instrument :

MSVOA\_X

ClientSampleId :

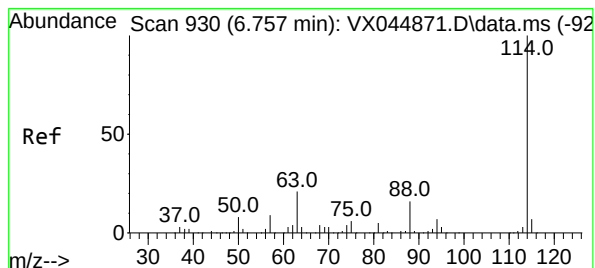
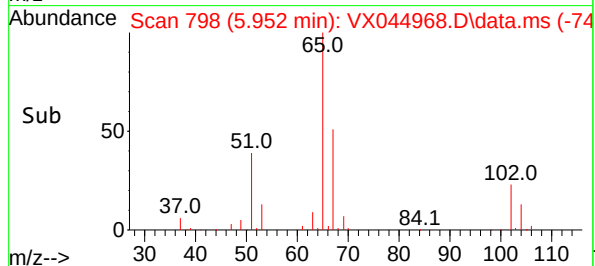
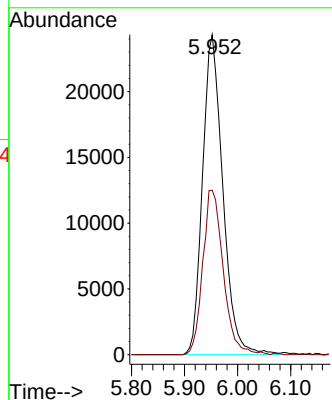
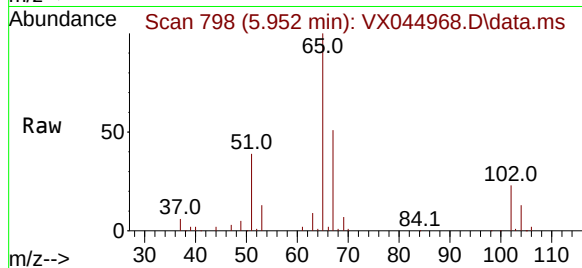
VFCC-3-021225

Tgt Ion: 65 Resp: 64740

Ion Ratio Lower Upper

65 100

67 51.9 0.0 108.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX044968.D

Acq: 14 Feb 2025 17:48

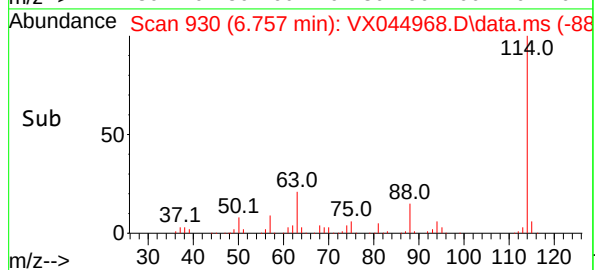
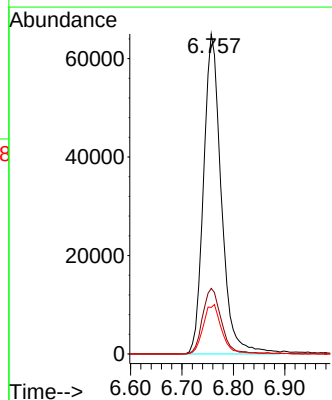
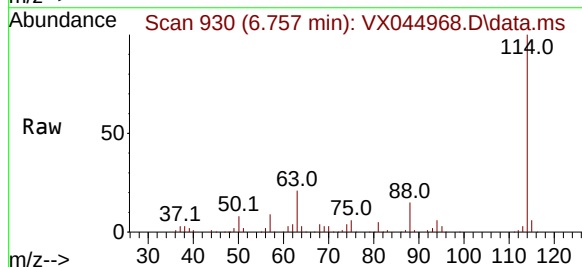
Tgt Ion: 114 Resp: 155981

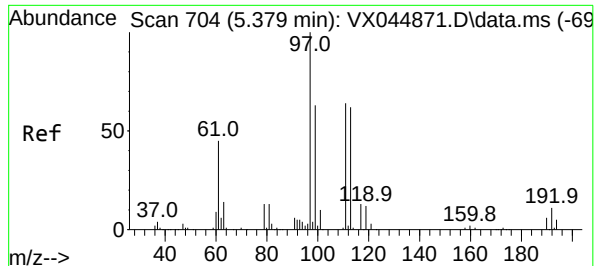
Ion Ratio Lower Upper

114 100

63 20.5 0.0 42.4

88 14.6 0.0 31.4





#35

Dibromofluoromethane

Concen: 52.197 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX044968.D

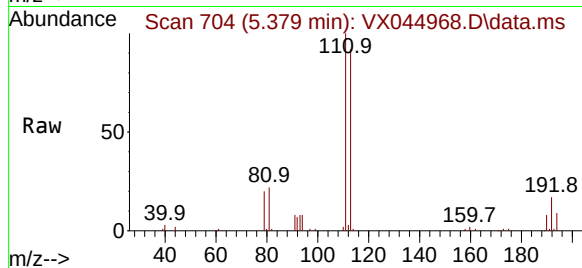
Acq: 14 Feb 2025 17:48

Instrument :

MSVOA\_X

ClientSampleId :

VFCC-3-021225



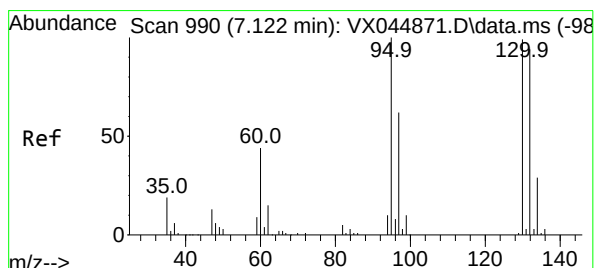
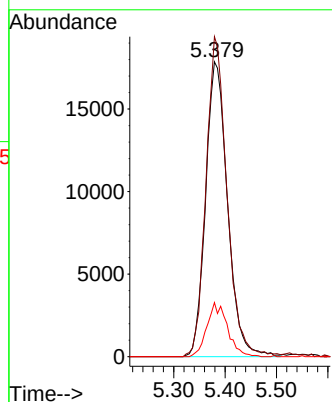
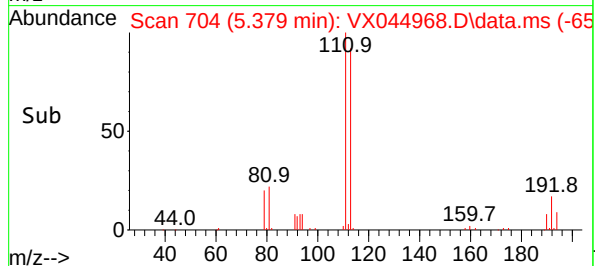
Tgt Ion:113 Resp: 52935

Ion Ratio Lower Upper

113 100

111 104.0 83.5 125.3

192 17.2 14.4 21.6



#44

Trichloroethene

Concen: 11.055 ug/l

RT: 7.123 min Scan# 990

Delta R.T. 0.000 min

Lab File: VX044968.D

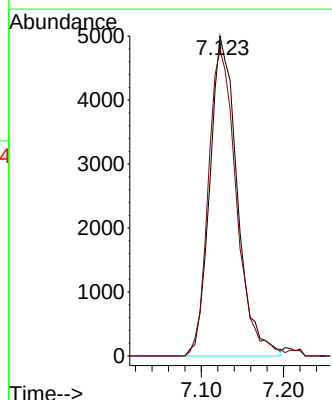
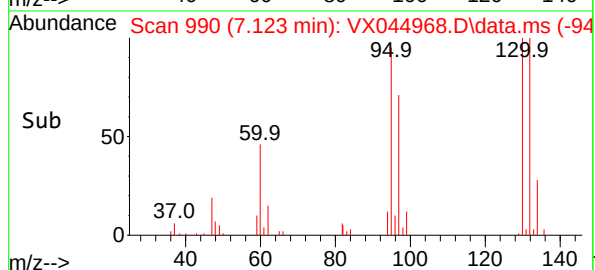
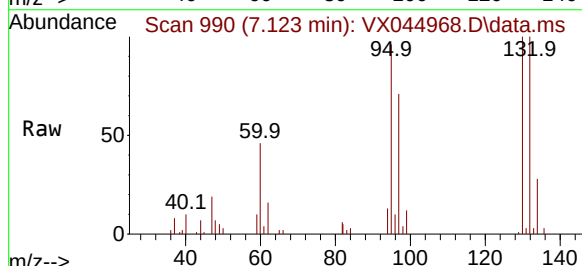
Acq: 14 Feb 2025 17:48

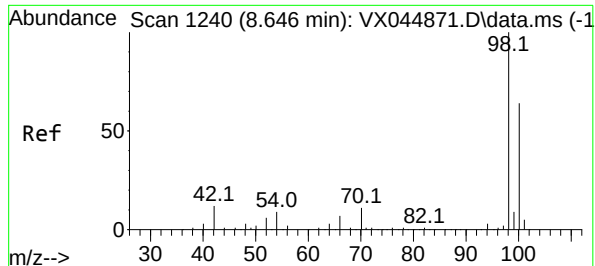
Tgt Ion:130 Resp: 11545

Ion Ratio Lower Upper

130 100

95 95.6 0.0 202.4





#50

Toluene-d8

Concen: 50.325 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX044968.D

Acq: 14 Feb 2025 17:48

Instrument :

MSVOA\_X

ClientSampleId :

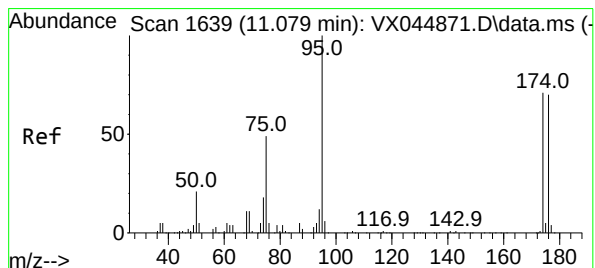
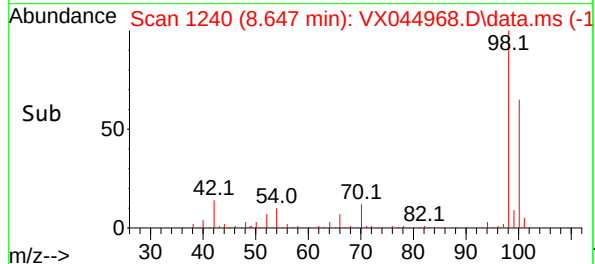
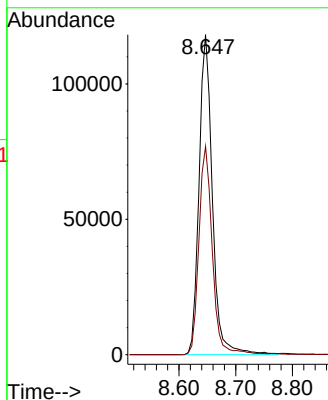
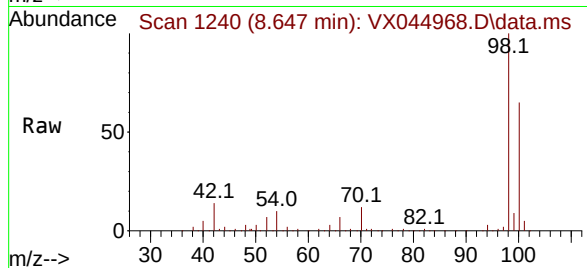
VFCC-3-021225

Tgt Ion: 98 Resp: 192989

Ion Ratio Lower Upper

98 100

100 65.8 52.7 79.1



#62

4-Bromofluorobenzene

Concen: 52.817 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX044968.D

Acq: 14 Feb 2025 17:48

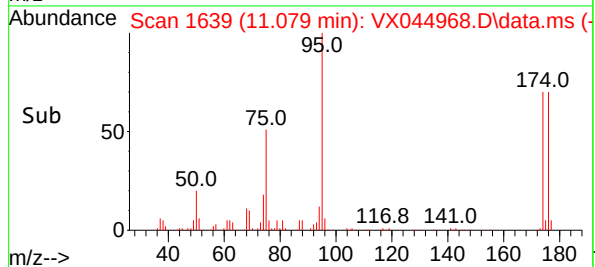
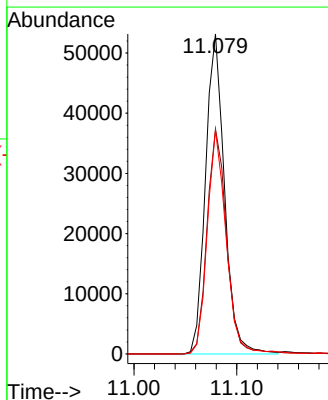
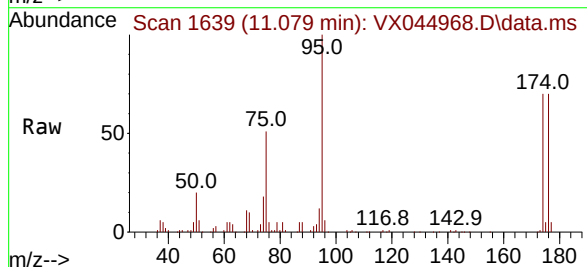
Tgt Ion: 95 Resp: 68282

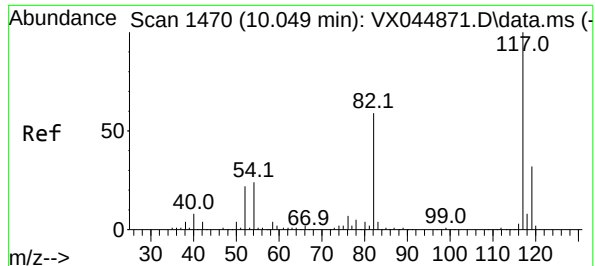
Ion Ratio Lower Upper

95 100

174 72.5 0.0 142.6

176 69.5 0.0 141.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1470

Delta R.T. 0.006 min

Lab File: VX044968.D

Acq: 14 Feb 2025 17:48

Instrument :

MSVOA\_X

ClientSampleId :

VFCC-3-021225

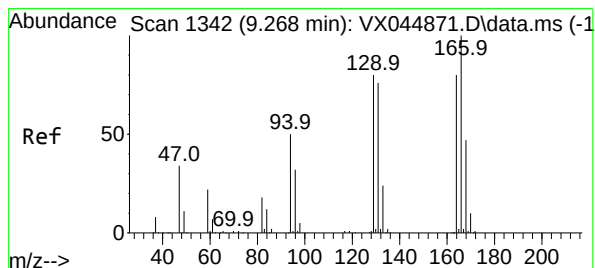
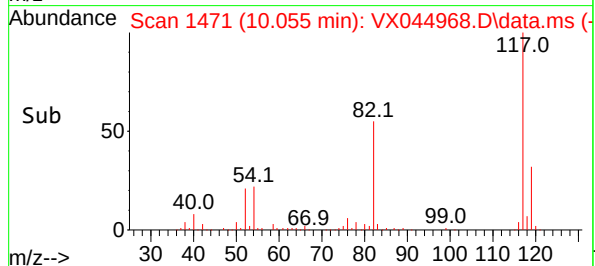
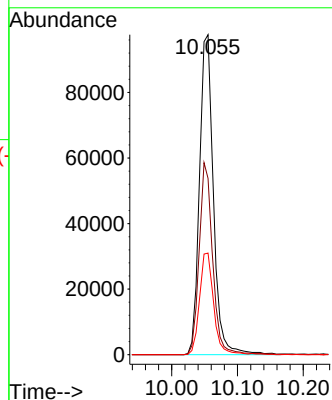
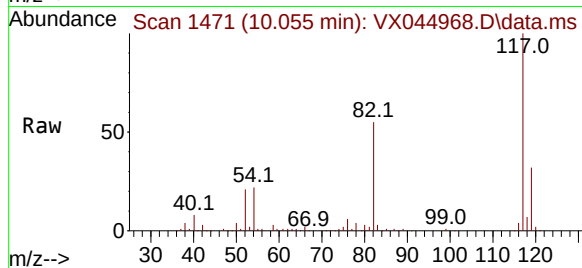
Tgt Ion:117 Resp: 144021

Ion Ratio Lower Upper

117 100

82 55.1 47.5 71.3

119 31.8 25.4 38.0



#64

Tetrachloroethene

Concen: 3.948 ug/l

RT: 9.275 min Scan# 1343

Delta R.T. 0.006 min

Lab File: VX044968.D

Acq: 14 Feb 2025 17:48

Tgt Ion:164 Resp: 3586

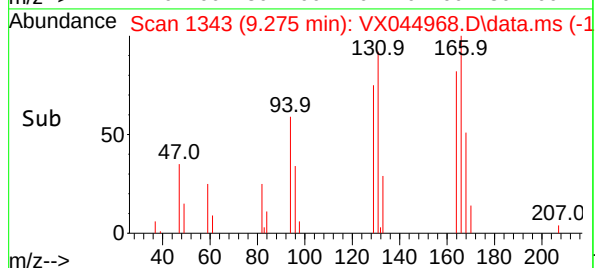
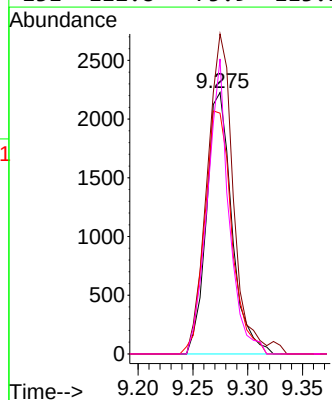
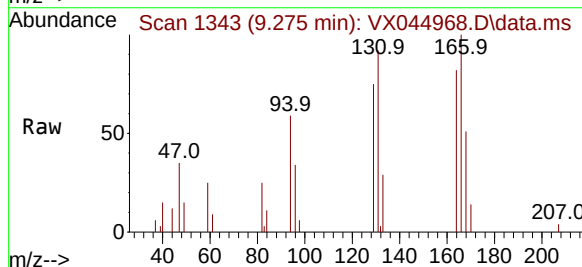
Ion Ratio Lower Upper

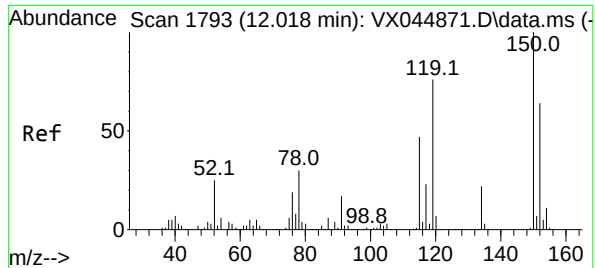
164 100

166 122.4 100.4 150.6

129 92.1 79.9 119.9

131 112.8 75.9 113.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX044968.D

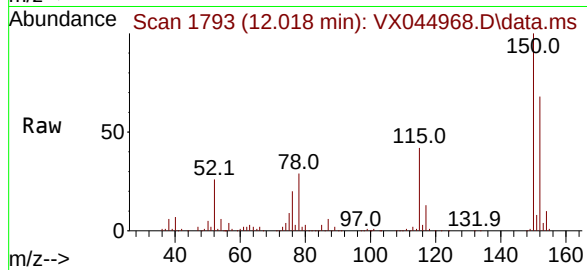
Acq: 14 Feb 2025 17:48

Instrument :

MSVOA\_X

ClientSampleId :

VFCC-3-021225



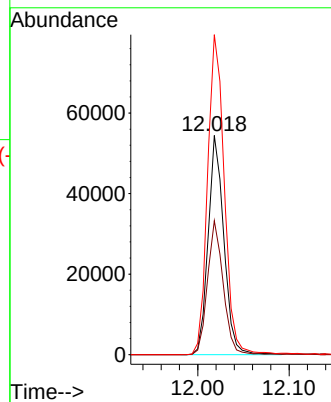
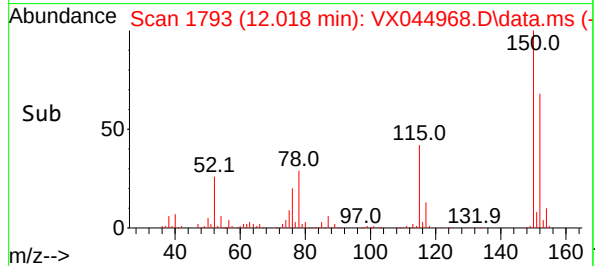
Tgt Ion:152 Resp: 65055

Ion Ratio Lower Upper

152 100

115 61.1 43.4 130.1

150 155.4 0.0 350.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021425\  
 Data File : VX044968.D  
 Acq On : 14 Feb 2025 17:48  
 Operator : JC/MD  
 Sample : Q1363-08  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 22 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VFCC-3-021225

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M

Title : SW846 8260

Signal : TIC: VX044968.D\data.ms

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 1.166       | 11            | 13          | 24           | rVB      | 13681          | 15191         | 2.91%           | 0.511%        |
| 2         | 2.136       | 166           | 172         | 177          | rBV2     | 8807           | 15068         | 2.89%           | 0.507%        |
| 3         | 2.325       | 197           | 203         | 220          | rVB      | 69133          | 133966        | 25.66%          | 4.506%        |
| 4         | 4.489       | 551           | 558         | 569          | rBV2     | 5418           | 15275         | 2.93%           | 0.514%        |
| 5         | 5.379       | 694           | 704         | 719          | rBV2     | 61657          | 178555        | 34.21%          | 6.006%        |
| 6         | 5.550       | 721           | 732         | 749          | rVV2     | 79635          | 233584        | 44.75%          | 7.857%        |
| 7         | 5.952       | 789           | 798         | 818          | rBV      | 68869          | 184709        | 35.39%          | 6.213%        |
| 8         | 6.757       | 921           | 930         | 947          | rBV2     | 151163         | 368888        | 70.67%          | 12.408%       |
| 9         | 7.123       | 982           | 990         | 1001         | rBV2     | 29309          | 66727         | 12.78%          | 2.244%        |
| 10        | 8.647       | 1233          | 1240        | 1256         | rBV      | 317886         | 521985        | 100.00%         | 17.557%       |
| 11        | 9.275       | 1338          | 1343        | 1351         | rBV      | 18300          | 29892         | 5.73%           | 1.005%        |
| 12        | 10.049      | 1465          | 1470        | 1486         | rBV      | 313184         | 460095        | 88.14%          | 15.475%       |
| 13        | 11.079      | 1634          | 1639        | 1657         | rBV      | 254773         | 333951        | 63.98%          | 11.232%       |
| 14        | 12.018      | 1788          | 1793        | 1805         | rBV      | 335754         | 415209        | 79.54%          | 13.966%       |

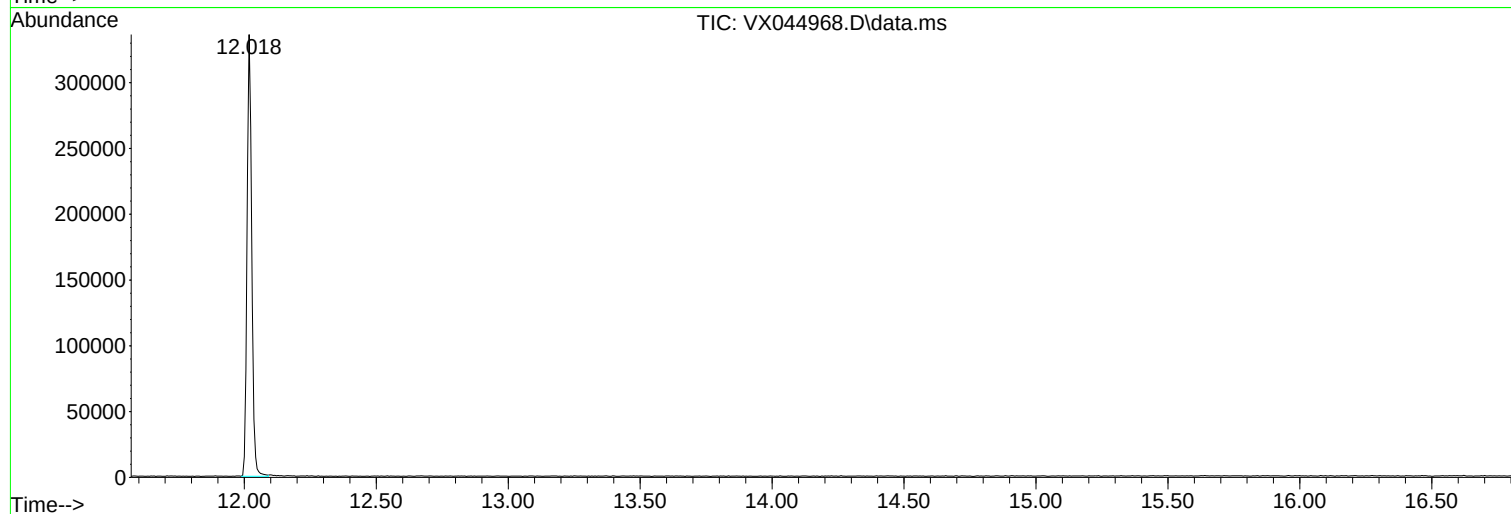
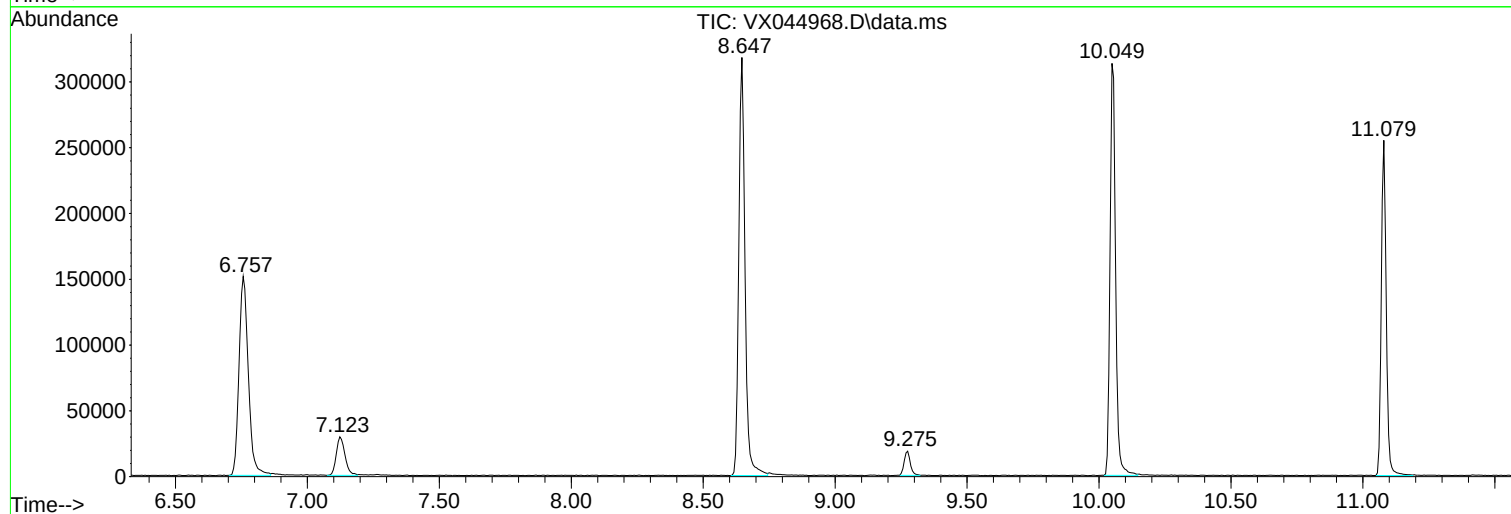
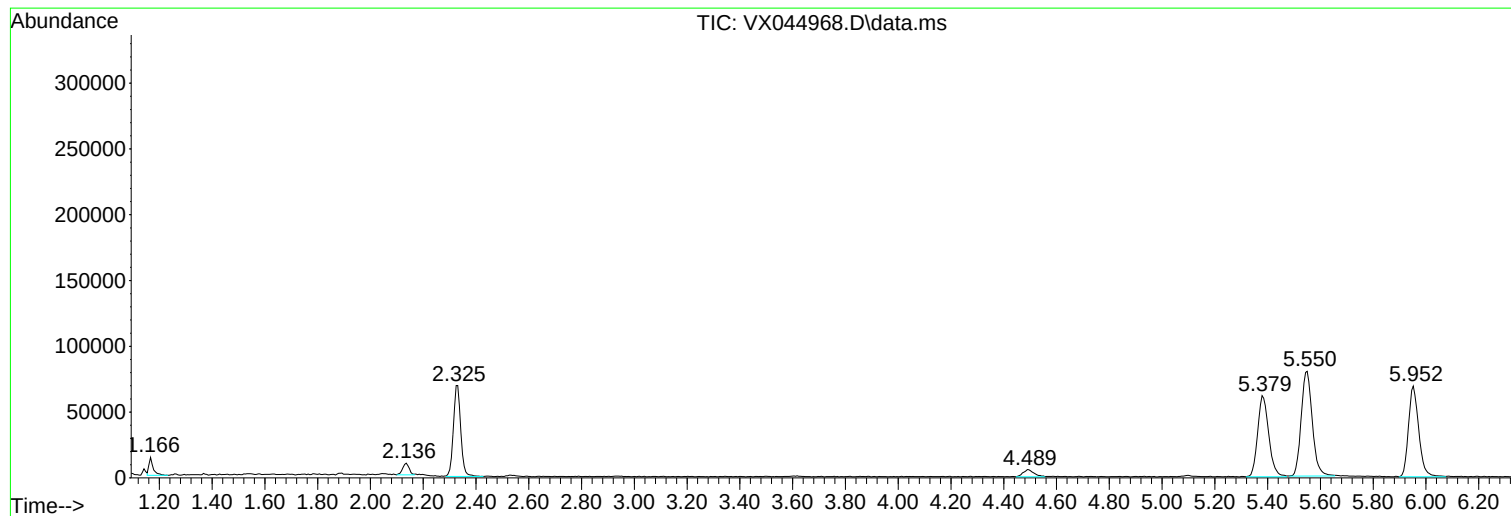
Sum of corrected areas: 2973095

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021425\  
Data File : VX044968.D  
Acq On : 14 Feb 2025 17:48  
Operator : JC/MD  
Sample : Q1363-08  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VFCC-3-021225

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021425\  
Data File : VX044968.D  
Acq On : 14 Feb 2025 17:48  
Operator : JC/MD  
Sample : Q1363-08  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VFCC-3-021225

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
Quant Title : SW846 8260

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

No Library Search Compounds Detected

\*\*\*\*\*

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021425\  
Data File : VX044968.D  
Acq On : 14 Feb 2025 17:48  
Operator : JC/MD  
Sample : Q1363-08  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 22 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VFCC-3-021225

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
Quant Title : SW846 8260

TIC Library : C:\Database\NIST0.L  
TIC Integration Parameters: LSCINT.P

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

-----

### Report of Analysis

|                    |                          |           |                 |               |    |
|--------------------|--------------------------|-----------|-----------------|---------------|----|
| Client:            | TechLaw Consultants, Inc |           | Date Collected: | 02/12/25      |    |
| Project:           | REAC Commodore           |           | Date Received:  | 02/13/25      |    |
| Client Sample ID:  | MW-33S-021225            |           | SDG No.:        | Q1363         |    |
| Lab Sample ID:     | Q1363-09                 |           | Matrix:         | Water         |    |
| Analytical Method: | SW8260                   |           | % Solid:        | 0             |    |
| Sample Wt/Vol:     | 5                        | Units: mL | Final Vol:      | 5000          | uL |
| Soil Aliquot Vol:  |                          | uL        | Test:           | VOC-TCLVOA-10 |    |
| GC Column:         | DB-624UI                 | ID : 0.18 | Level :         | LOW           |    |
| Prep Method :      |                          |           |                 |               |    |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX044969.D        | 1         |           | 02/14/25 18:11 | VX021425      |

| CAS Number     | Parameter                      | Conc. | Qualifier | MDL  | LOQ / CRQL | Units |
|----------------|--------------------------------|-------|-----------|------|------------|-------|
| <b>TARGETS</b> |                                |       |           |      |            |       |
| 75-71-8        | Dichlorodifluoromethane        | 2.80  |           | 0.21 | 1.00       | ug/L  |
| 74-87-3        | Chloromethane                  | 0.35  | U         | 0.35 | 1.00       | ug/L  |
| 75-01-4        | Vinyl Chloride                 | 0.34  | U         | 0.34 | 1.00       | ug/L  |
| 74-83-9        | Bromomethane                   | 1.40  | U         | 1.40 | 5.00       | ug/L  |
| 75-00-3        | Chloroethane                   | 0.56  | U         | 0.56 | 1.00       | ug/L  |
| 75-69-4        | Trichlorofluoromethane         | 0.34  | U         | 0.34 | 1.00       | ug/L  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 4.20  |           | 0.25 | 1.00       | ug/L  |
| 75-35-4        | 1,1-Dichloroethene             | 0.26  | U         | 0.26 | 1.00       | ug/L  |
| 67-64-1        | Acetone                        | 1.90  | J         | 1.40 | 5.00       | ug/L  |
| 75-15-0        | Carbon Disulfide               | 0.32  | U         | 0.32 | 1.00       | ug/L  |
| 1634-04-4      | Methyl tert-butyl Ether        | 0.16  | U         | 0.16 | 1.00       | ug/L  |
| 79-20-9        | Methyl Acetate                 | 0.60  | U         | 0.60 | 1.00       | ug/L  |
| 75-09-2        | Methylene Chloride             | 0.32  | U         | 0.32 | 1.00       | ug/L  |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.25  | U         | 0.25 | 1.00       | ug/L  |
| 75-34-3        | 1,1-Dichloroethane             | 0.23  | U         | 0.23 | 1.00       | ug/L  |
| 110-82-7       | Cyclohexane                    | 1.60  | U         | 1.60 | 5.00       | ug/L  |
| 78-93-3        | 2-Butanone                     | 1.30  | U         | 1.30 | 5.00       | ug/L  |
| 56-23-5        | Carbon Tetrachloride           | 0.25  | U         | 0.25 | 1.00       | ug/L  |
| 156-59-2       | cis-1,2-Dichloroethene         | 1.30  |           | 0.25 | 1.00       | ug/L  |
| 74-97-5        | Bromochloromethane             | 0.18  | U         | 0.18 | 1.00       | ug/L  |
| 67-66-3        | Chloroform                     | 0.26  | U         | 0.26 | 1.00       | ug/L  |
| 71-55-6        | 1,1,1-Trichloroethane          | 0.19  | U         | 0.19 | 1.00       | ug/L  |
| 108-87-2       | Methylcyclohexane              | 0.19  | U         | 0.19 | 1.00       | ug/L  |
| 71-43-2        | Benzene                        | 0.16  | U         | 0.16 | 1.00       | ug/L  |
| 107-06-2       | 1,2-Dichloroethane             | 0.24  | U         | 0.24 | 1.00       | ug/L  |
| 79-01-6        | Trichloroethene                | 2.10  |           | 0.32 | 1.00       | ug/L  |
| 78-87-5        | 1,2-Dichloropropane            | 0.19  | U         | 0.19 | 1.00       | ug/L  |
| 75-27-4        | Bromodichloromethane           | 0.24  | U         | 0.24 | 1.00       | ug/L  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 0.75  | U         | 0.75 | 5.00       | ug/L  |
| 108-88-3       | Toluene                        | 0.18  | U         | 0.18 | 1.00       | ug/L  |

### Report of Analysis

|                    |                          |        |      |                 |               |    |
|--------------------|--------------------------|--------|------|-----------------|---------------|----|
| Client:            | TechLaw Consultants, Inc |        |      | Date Collected: | 02/12/25      |    |
| Project:           | REAC Commodore           |        |      | Date Received:  | 02/13/25      |    |
| Client Sample ID:  | MW-33S-021225            |        |      | SDG No.:        | Q1363         |    |
| Lab Sample ID:     | Q1363-09                 |        |      | Matrix:         | Water         |    |
| Analytical Method: | SW8260                   |        |      | % Solid:        | 0             |    |
| Sample Wt/Vol:     | 5                        | Units: | mL   | Final Vol:      | 5000          | uL |
| Soil Aliquot Vol:  |                          |        | uL   | Test:           | VOC-TCLVOA-10 |    |
| GC Column:         | DB-624UI                 | ID :   | 0.18 | Level :         | LOW           |    |
| Prep Method :      |                          |        |      |                 |               |    |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX044969.D        | 1         |           | 02/14/25 18:11 | VX021425      |

| CAS Number                | Parameter                   | Conc.  | Qualifier | MDL      | LOQ / CRQL | Units   |
|---------------------------|-----------------------------|--------|-----------|----------|------------|---------|
| 10061-02-6                | t-1,3-Dichloropropene       | 0.21   | U         | 0.21     | 1.00       | ug/L    |
| 10061-01-5                | cis-1,3-Dichloropropene     | 0.18   | U         | 0.18     | 1.00       | ug/L    |
| 79-00-5                   | 1,1,2-Trichloroethane       | 0.21   | U         | 0.21     | 1.00       | ug/L    |
| 591-78-6                  | 2-Hexanone                  | 1.10   | UQ        | 1.10     | 5.00       | ug/L    |
| 124-48-1                  | Dibromochloromethane        | 0.18   | U         | 0.18     | 1.00       | ug/L    |
| 106-93-4                  | 1,2-Dibromoethane           | 0.16   | U         | 0.16     | 1.00       | ug/L    |
| 127-18-4                  | Tetrachloroethene           | 13.4   |           | 0.25     | 1.00       | ug/L    |
| 108-90-7                  | Chlorobenzene               | 0.13   | U         | 0.13     | 1.00       | ug/L    |
| 100-41-4                  | Ethyl Benzene               | 0.16   | U         | 0.16     | 1.00       | ug/L    |
| 179601-23-1               | m/p-Xylenes                 | 0.31   | U         | 0.31     | 2.00       | ug/L    |
| 95-47-6                   | o-Xylene                    | 0.14   | U         | 0.14     | 1.00       | ug/L    |
| 100-42-5                  | Styrene                     | 0.16   | U         | 0.16     | 1.00       | ug/L    |
| 75-25-2                   | Bromoform                   | 0.21   | U         | 0.21     | 1.00       | ug/L    |
| 98-82-8                   | Isopropylbenzene            | 0.13   | U         | 0.13     | 1.00       | ug/L    |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane   | 0.27   | U         | 0.27     | 1.00       | ug/L    |
| 541-73-1                  | 1,3-Dichlorobenzene         | 0.24   | U         | 0.24     | 1.00       | ug/L    |
| 106-46-7                  | 1,4-Dichlorobenzene         | 0.27   | U         | 0.27     | 1.00       | ug/L    |
| 95-50-1                   | 1,2-Dichlorobenzene         | 0.19   | U         | 0.19     | 1.00       | ug/L    |
| 96-12-8                   | 1,2-Dibromo-3-Chloropropane | 0.46   | U         | 0.46     | 1.00       | ug/L    |
| 120-82-1                  | 1,2,4-Trichlorobenzene      | 0.42   | U         | 0.42     | 1.00       | ug/L    |
| 87-61-6                   | 1,2,3-Trichlorobenzene      | 0.51   | U         | 0.51     | 1.00       | ug/L    |
| <b>SURROGATES</b>         |                             |        |           |          |            |         |
| 17060-07-0                | 1,2-Dichloroethane-d4       | 57.3   |           | 74 - 125 | 115%       | SPK: 50 |
| 1868-53-7                 | Dibromofluoromethane        | 51.8   |           | 75 - 124 | 104%       | SPK: 50 |
| 2037-26-5                 | Toluene-d8                  | 50.6   |           | 86 - 113 | 101%       | SPK: 50 |
| 460-00-4                  | 4-Bromofluorobenzene        | 55.2   |           | 77 - 121 | 110%       | SPK: 50 |
| <b>INTERNAL STANDARDS</b> |                             |        |           |          |            |         |
| 363-72-4                  | Pentafluorobenzene          | 78700  | 5.55      |          |            |         |
| 540-36-3                  | 1,4-Difluorobenzene         | 165000 | 6.757     |          |            |         |
| 3114-55-4                 | Chlorobenzene-d5            | 156000 | 10.049    |          |            |         |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4      | 72100  | 12.018    |          |            |         |

## Report of Analysis

|                    |                          |        |      |                 |               |
|--------------------|--------------------------|--------|------|-----------------|---------------|
| Client:            | TechLaw Consultants, Inc |        |      | Date Collected: | 02/12/25      |
| Project:           | REAC Commodore           |        |      | Date Received:  | 02/13/25      |
| Client Sample ID:  | MW-33S-021225            |        |      | SDG No.:        | Q1363         |
| Lab Sample ID:     | Q1363-09                 |        |      | Matrix:         | Water         |
| Analytical Method: | SW8260                   |        |      | % Solid:        | 0             |
| Sample Wt/Vol:     | 5                        | Units: | mL   | Final Vol:      | 5000 uL       |
| Soil Aliquot Vol:  |                          |        | uL   | Test:           | VOC-TCLVOA-10 |
| GC Column:         | DB-624UI                 | ID :   | 0.18 | Level :         | LOW           |
| Prep Method :      |                          |        |      |                 |               |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
|-------------------|-----------|-----------|----------------|---------------|
| VX044969.D        | 1         |           | 02/14/25 18:11 | VX021425      |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|------------|-----------|-------|-----------|-----|------------|-------|
|------------|-----------|-------|-----------|-----|------------|-------|

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021425\  
 Data File : VX044969.D  
 Acq On : 14 Feb 2025 18:11  
 Operator : JC/MD  
 Sample : Q1363-09  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-33S-021225

Quant Time: Feb 14 22:18:25 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 11 03:41:08 2025  
 Response via : Initial Calibration

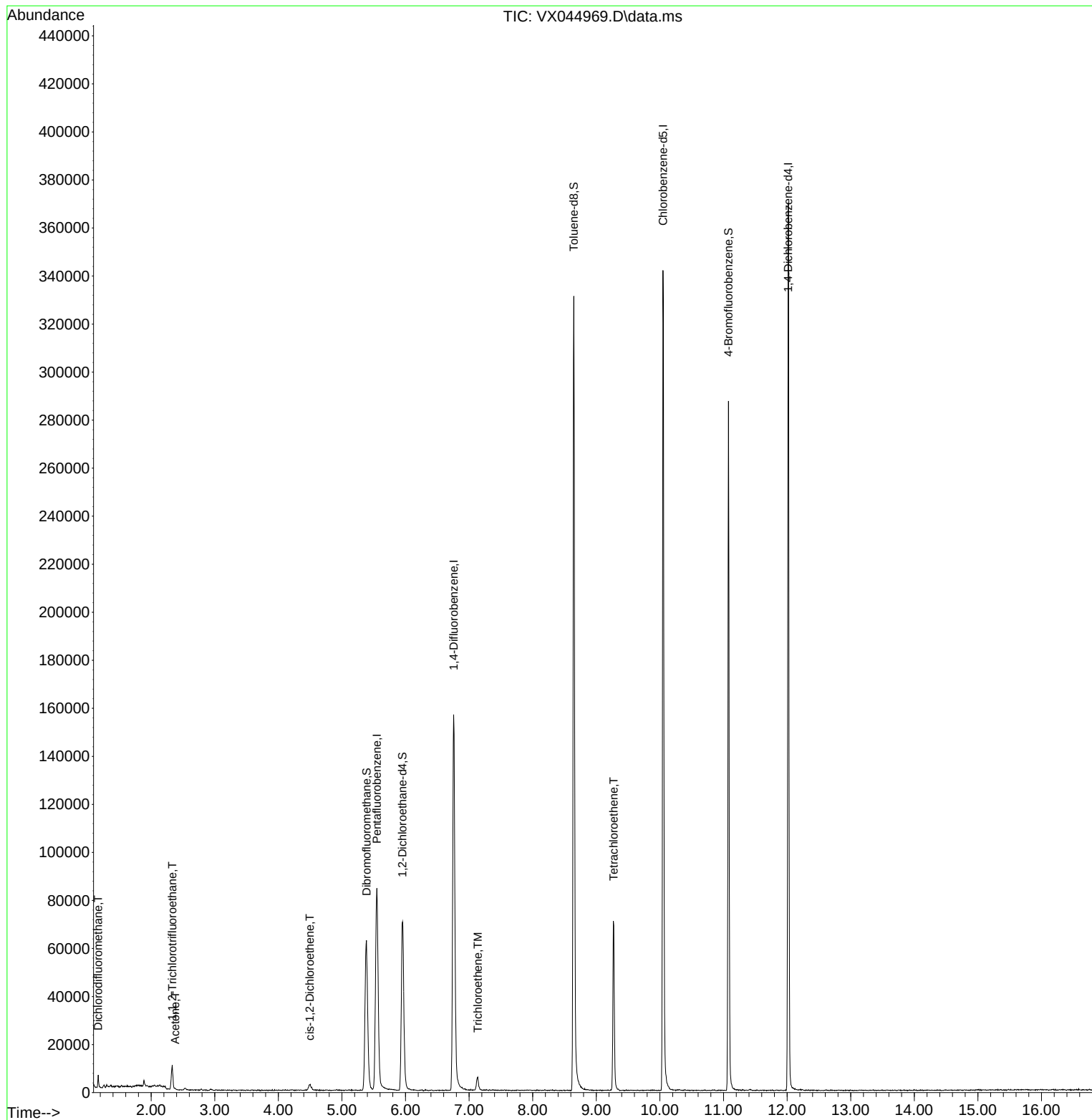
| Compound                     | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|------------------------------|--------|-------|----------|----------|------------|----------|
| -----                        |        |       |          |          |            |          |
| Internal Standards           |        |       |          |          |            |          |
| 1) Pentafluorobenzene        | 5.550  | 168   | 78716    | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.757  | 114   | 165139   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5         | 10.049 | 117   | 155752   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.018 | 152   | 72129    | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds  |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4    | 5.952  | 65    | 66017    | 57.293   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 74 - 125 | Recovery | = 114.580% |          |
| 35) Dibromofluoromethane     | 5.385  | 113   | 55659    | 51.840   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 75 - 124 | Recovery | = 103.680% |          |
| 50) Toluene-d8               | 8.647  | 98    | 205576   | 50.634   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 86 - 113 | Recovery | = 101.260% |          |
| 62) 4-Bromofluorobenzene     | 11.079 | 95    | 75600    | 55.234   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 77 - 121 | Recovery | = 110.460% |          |
| Target Compounds             |        |       |          |          |            |          |
|                              |        |       |          |          | Qvalue     |          |
| 2) Dichlorodifluoromethane   | 1.166  | 85    | 3068     | 2.779    | ug/l       | 92       |
| 9) 1,1,2-Trichlorotrifluo... | 2.331  | 101   | 4181     | 4.204    | ug/l       | 94       |
| 16) Acetone                  | 2.380  | 43    | 891      | 1.923    | ug/l       | 92       |
| 27) cis-1,2-Dichloroethene   | 4.495  | 96    | 1560     | 1.301    | ug/l       | 93       |
| 44) Trichloroethene          | 7.135  | 130   | 2289     | 2.070    | ug/l       | 60       |
| 64) Tetrachloroethene        | 9.275  | 164   | 13114    | 13.351   | ug/l       | 93       |
| -----                        |        |       |          |          |            |          |

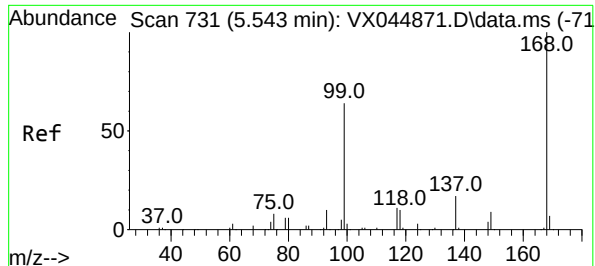
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021425\  
Data File : VX044969.D  
Acq On : 14 Feb 2025 18:11  
Operator : JC/MD  
Sample : Q1363-09  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-33S-021225

Quant Time: Feb 14 22:18:25 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
Quant Title : SW846 8260  
QLast Update : Tue Feb 11 03:41:08 2025  
Response via : Initial Calibration

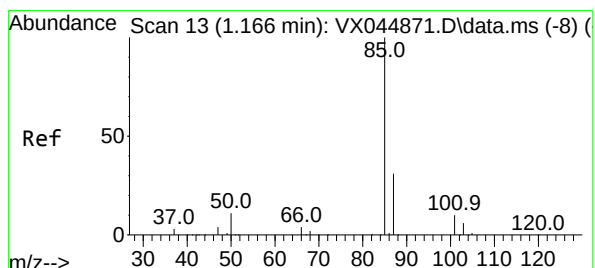
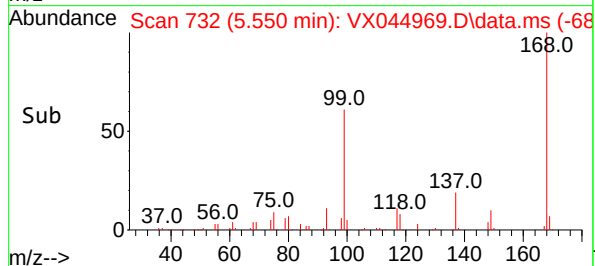
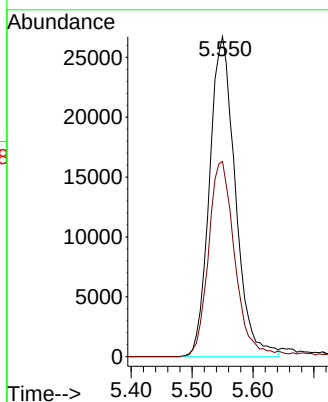
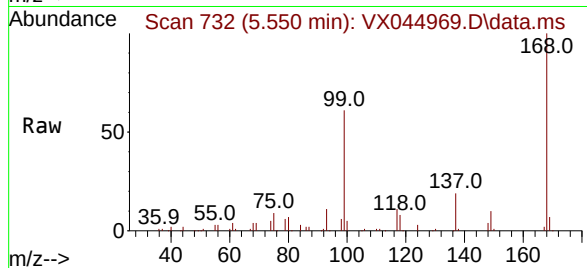




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. 0.007 min  
Lab File: VX044969.D  
Acq: 14 Feb 2025 18:11

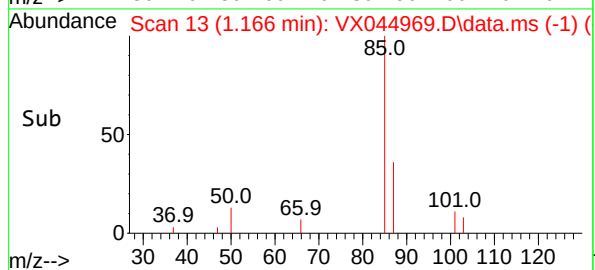
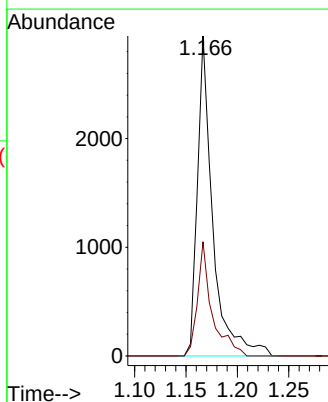
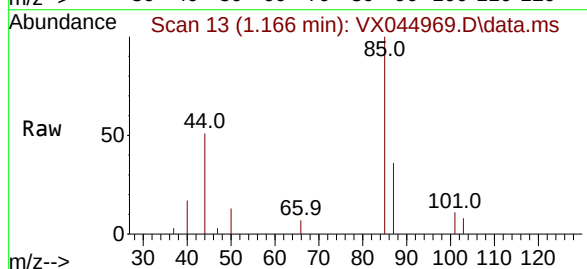
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-33S-021225

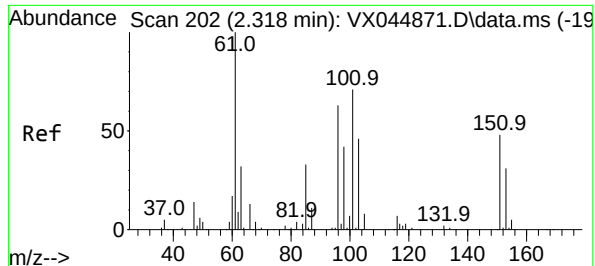
Tgt Ion:168 Resp: 78716  
Ion Ratio Lower Upper  
168 100  
99 61.0 51.2 76.8



#2  
Dichlorodifluoromethane  
Concen: 2.779 ug/l  
RT: 1.166 min Scan# 13  
Delta R.T. 0.000 min  
Lab File: VX044969.D  
Acq: 14 Feb 2025 18:11

Tgt Ion: 85 Resp: 3068  
Ion Ratio Lower Upper  
85 100  
87 35.7 15.8 47.3

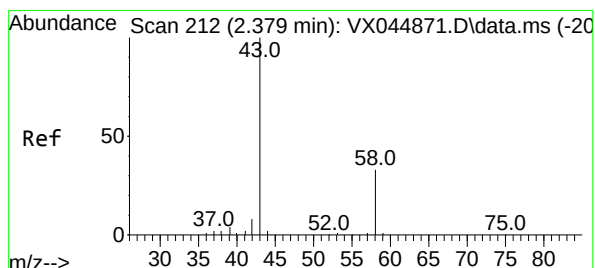
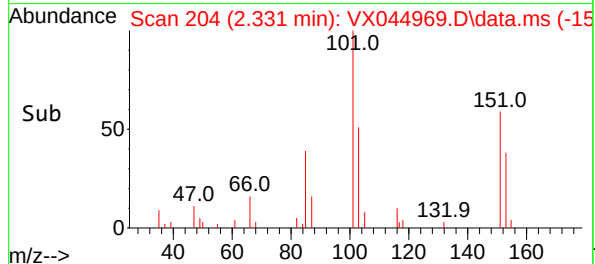
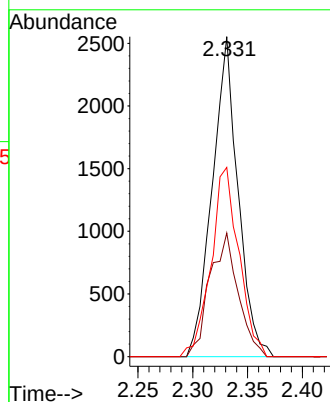
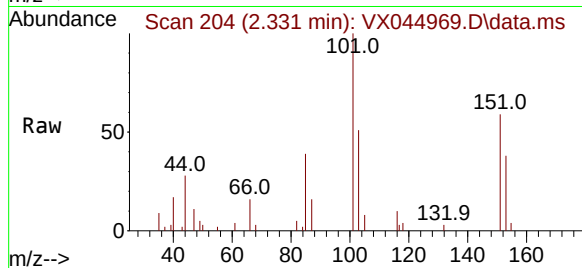




#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 4.204 ug/l  
RT: 2.331 min Scan# 204  
Delta R.T. 0.013 min  
Lab File: VX044969.D  
Acq: 14 Feb 2025 18:11

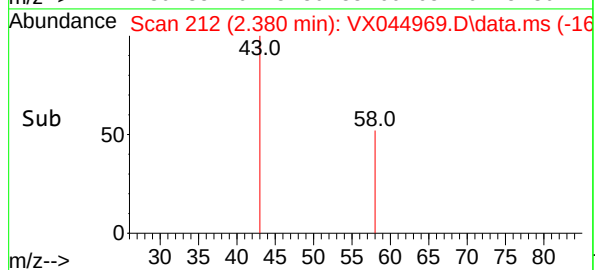
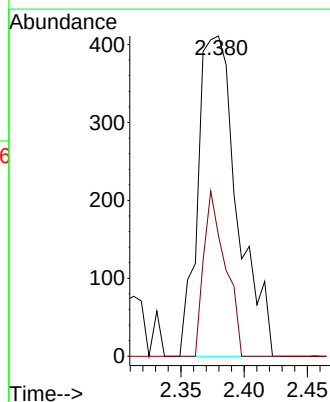
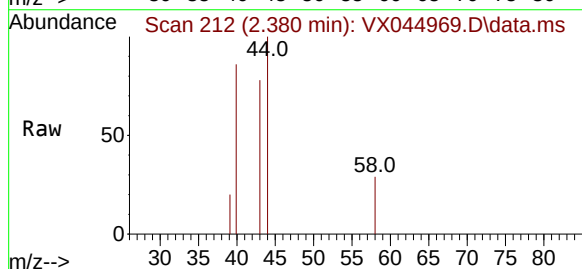
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-33S-021225

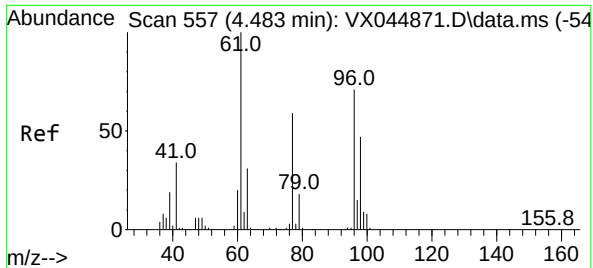
| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 101     | 100   |       |       |
| 85      | 42.5  | 35.7  | 53.5  |
| 151     | 63.9  | 56.0  | 84.0  |



#16  
Acetone  
Concen: 1.923 ug/l  
RT: 2.380 min Scan# 212  
Delta R.T. 0.000 min  
Lab File: VX044969.D  
Acq: 14 Feb 2025 18:11

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 37.7  | 26.5  | 39.7  |





#27

cis-1,2-Dichloroethene

Concen: 1.301 ug/l

RT: 4.495 min Scan# 51

Delta R.T. 0.013 min

Lab File: VX044969.D

Acq: 14 Feb 2025 18:11

Instrument :

MSVOA\_X

ClientSampleId :

MW-33S-021225

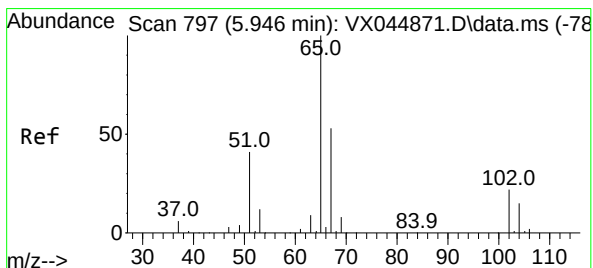
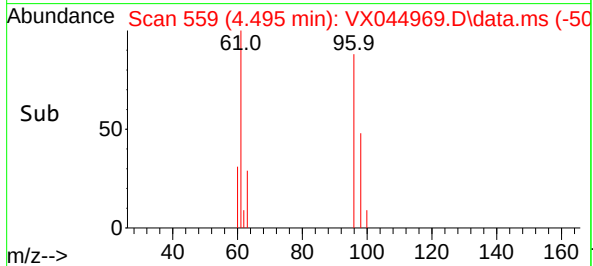
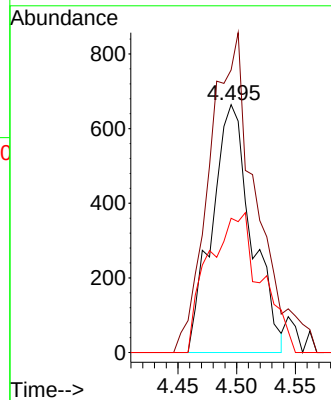
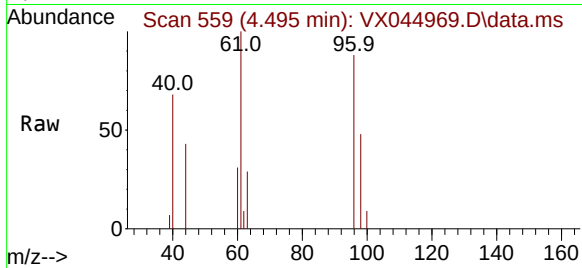
Tgt Ion: 96 Resp: 1560

Ion Ratio Lower Upper

96 100

61 152.9 0.0 294.0

98 74.6 0.0 131.2



#33

1,2-Dichloroethane-d4

Concen: 57.293 ug/l

RT: 5.952 min Scan# 798

Delta R.T. 0.006 min

Lab File: VX044969.D

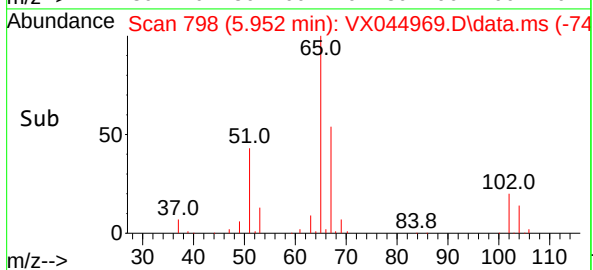
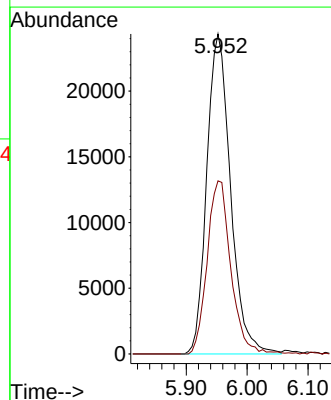
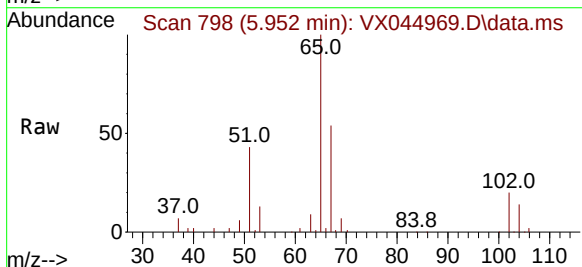
Acq: 14 Feb 2025 18:11

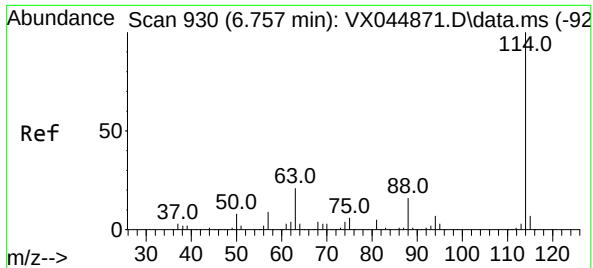
Tgt Ion: 65 Resp: 66017

Ion Ratio Lower Upper

65 100

67 53.7 0.0 108.2

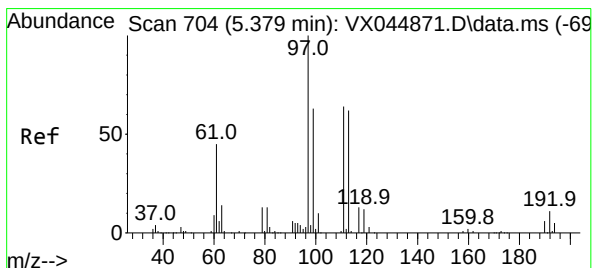
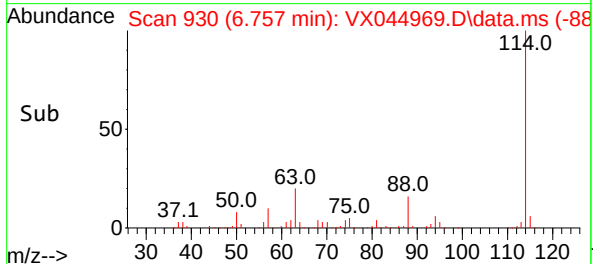
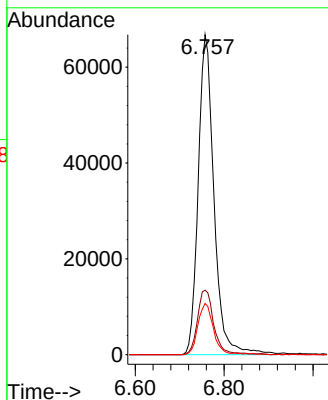
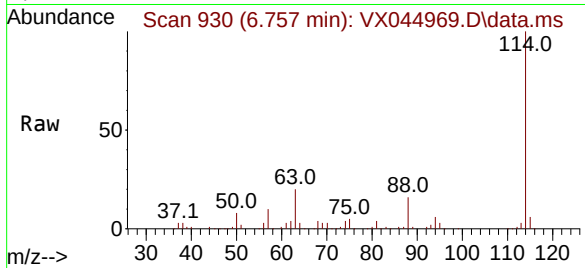




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.757 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VX044969.D  
Acq: 14 Feb 2025 18:11

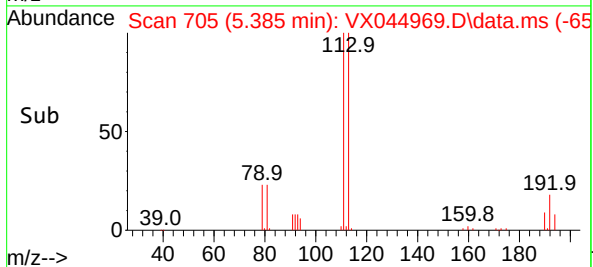
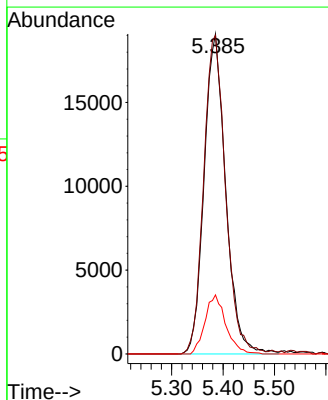
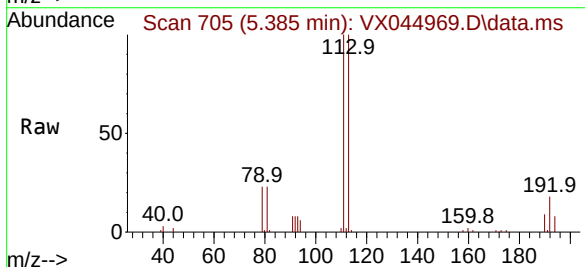
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-33S-021225

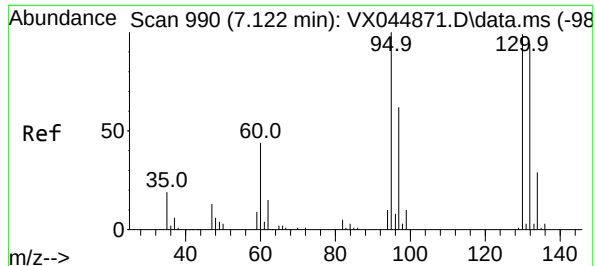
Tgt Ion:114 Resp: 165139  
Ion Ratio Lower Upper  
114 100  
63 20.2 0.0 42.4  
88 16.0 0.0 31.4



#35  
Dibromofluoromethane  
Concen: 51.840 ug/l  
RT: 5.385 min Scan# 705  
Delta R.T. 0.006 min  
Lab File: VX044969.D  
Acq: 14 Feb 2025 18:11

Tgt Ion:113 Resp: 55659  
Ion Ratio Lower Upper  
113 100  
111 100.8 83.5 125.3  
192 17.8 14.4 21.6





#44

Trichloroethene

Concen: 2.070 ug/l

RT: 7.135 min Scan# 990

Delta R.T. 0.013 min

Lab File: VX044969.D

Acq: 14 Feb 2025 18:11

Instrument :

MSVOA\_X

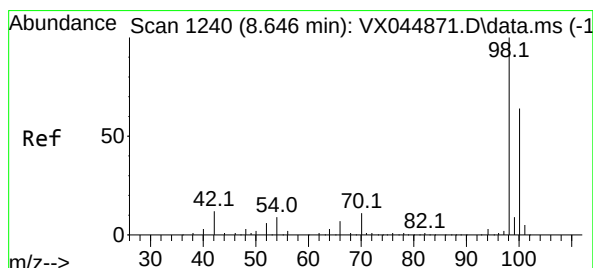
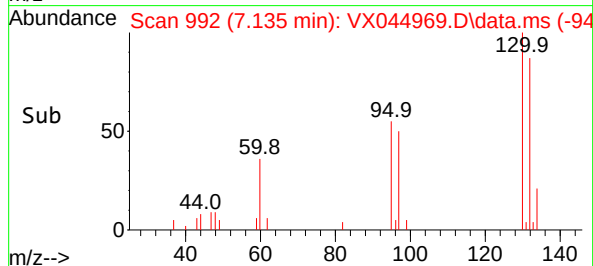
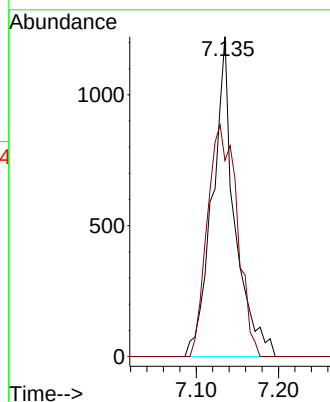
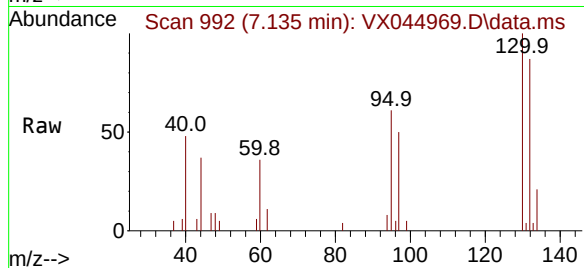
ClientSampleId :

MW-33S-021225

Tgt Ion:130 Resp: 2289

Ion Ratio Lower Upper

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 130 | 100   |       |       |
| 95  | 61.3  | 0.0   | 202.4 |



#50

Toluene-d8

Concen: 50.634 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. 0.000 min

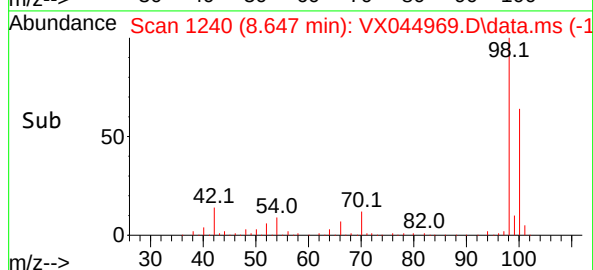
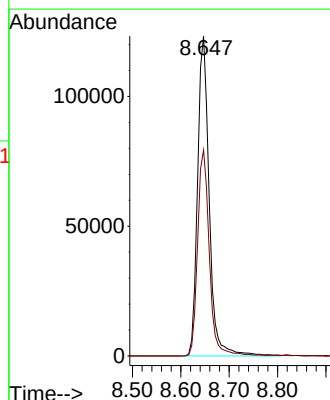
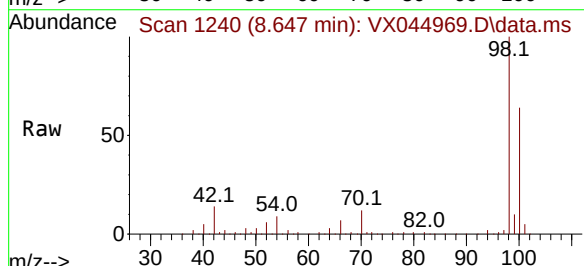
Lab File: VX044969.D

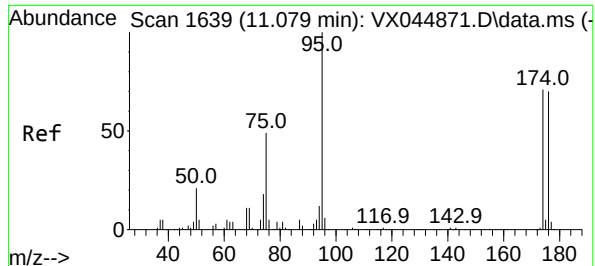
Acq: 14 Feb 2025 18:11

Tgt Ion: 98 Resp: 205576

Ion Ratio Lower Upper

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 98  | 100   |       |       |
| 100 | 64.9  | 52.7  | 79.1  |

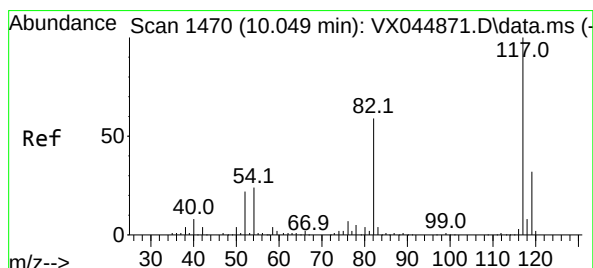
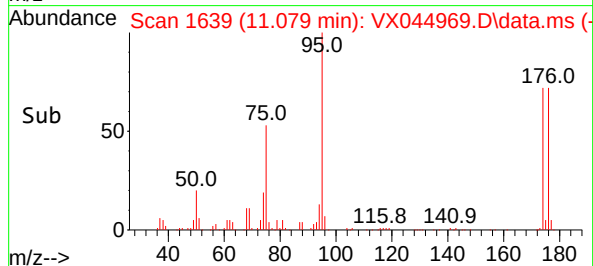
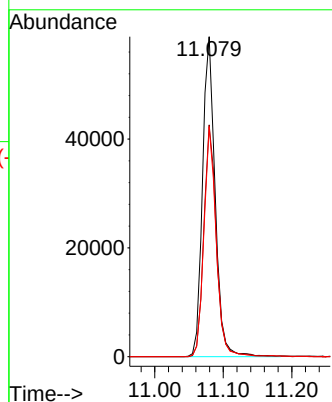
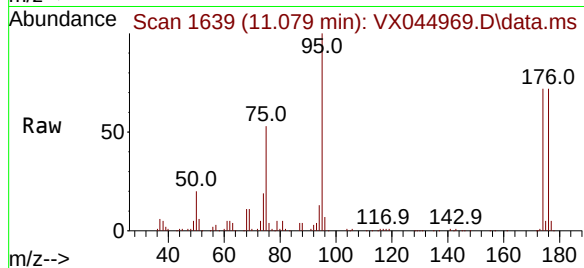




#62  
4-Bromofluorobenzene  
Concen: 55.234 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX044969.D  
Acq: 14 Feb 2025 18:11

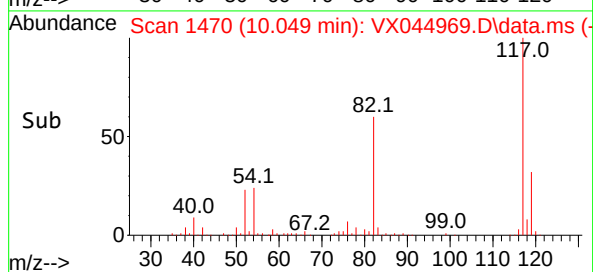
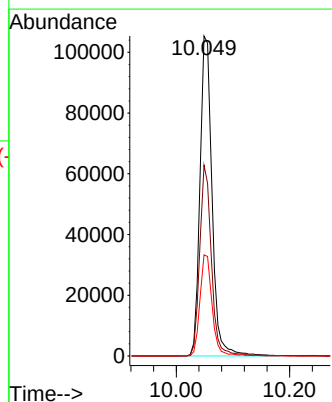
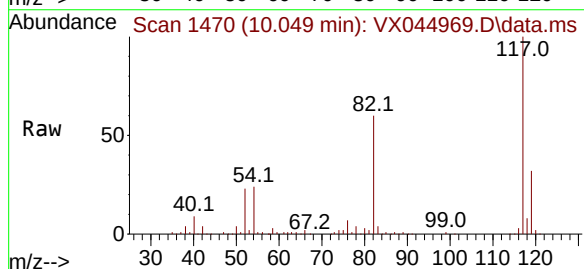
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-33S-021225

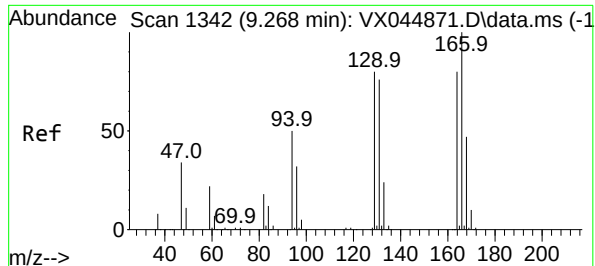
Tgt Ion: 95 Resp: 75600  
Ion Ratio Lower Upper  
95 100  
174 71.6 0.0 142.6  
176 69.7 0.0 141.6



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.049 min Scan# 1470  
Delta R.T. 0.000 min  
Lab File: VX044969.D  
Acq: 14 Feb 2025 18:11

Tgt Ion: 117 Resp: 155752  
Ion Ratio Lower Upper  
117 100  
82 59.6 47.5 71.3  
119 31.6 25.4 38.0





#64

Tetrachloroethene

Concen: 13.351 ug/l

RT: 9.275 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX044969.D

Acq: 14 Feb 2025 18:11

Instrument :

MSVOA\_X

ClientSampleId :

MW-33S-021225

Tgt Ion:164 Resp: 13114

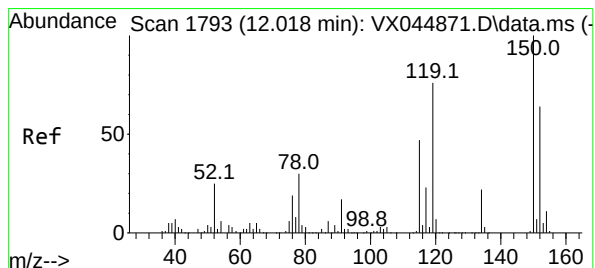
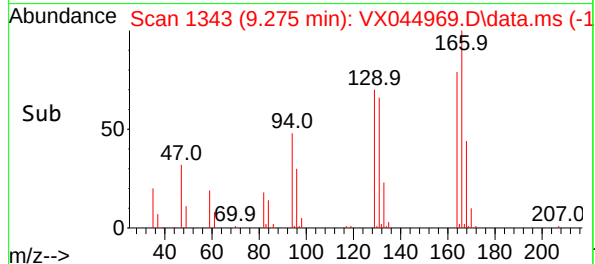
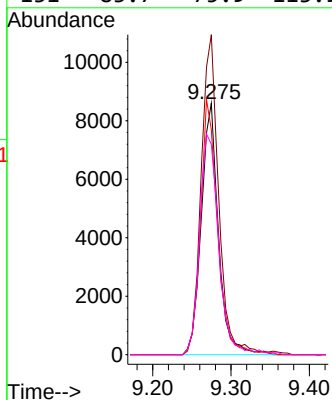
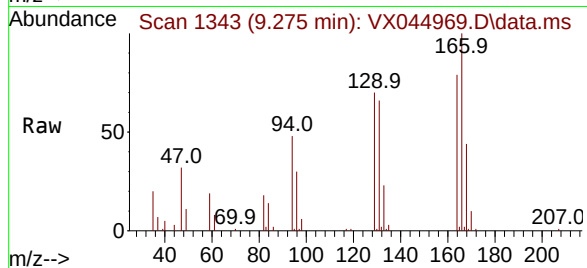
Ion Ratio Lower Upper

164 100

166 127.3 100.4 150.6

129 89.5 79.9 119.9

131 83.7 75.9 113.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VX044969.D

Acq: 14 Feb 2025 18:11

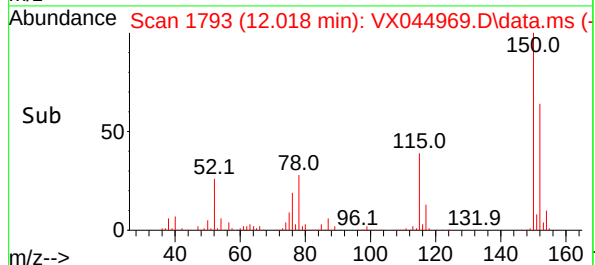
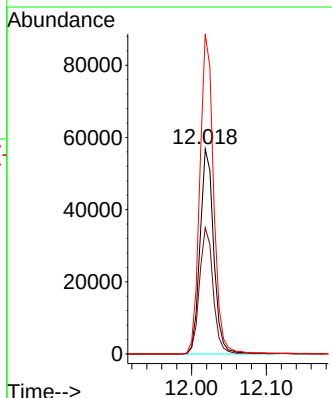
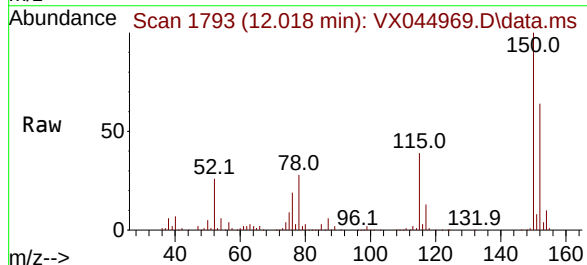
Tgt Ion:152 Resp: 72129

Ion Ratio Lower Upper

152 100

115 61.8 43.4 130.1

150 157.5 0.0 350.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021425\  
 Data File : VX044969.D  
 Acq On : 14 Feb 2025 18:11  
 Operator : JC/MD  
 Sample : Q1363-09  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-33S-021225

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M

Title : SW846 8260

Signal : TIC: VX044969.D\data.ms

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 2.331       | 197           | 204         | 209          | rBV      | 10062          | 17584         | 3.16%           | 0.579%        |
| 2         | 5.385       | 694           | 705         | 721          | rBV2     | 62460          | 184161        | 33.11%          | 6.066%        |
| 3         | 5.550       | 721           | 732         | 749          | rBV      | 83748          | 243888        | 43.85%          | 8.034%        |
| 4         | 5.952       | 789           | 798         | 814          | rBV      | 70048          | 192076        | 34.53%          | 6.327%        |
| 5         | 6.757       | 921           | 930         | 951          | rBV      | 156432         | 388823        | 69.90%          | 12.808%       |
| 6         | 7.135       | 984           | 992         | 1001         | rBV3     | 5398           | 11987         | 2.16%           | 0.395%        |
| 7         | 8.647       | 1233          | 1240        | 1258         | rBV      | 330814         | 556231        | 100.00%         | 18.322%       |
| 8         | 9.269       | 1336          | 1342        | 1353         | rBV      | 70435          | 111310        | 20.01%          | 3.666%        |
| 9         | 10.049      | 1465          | 1470        | 1491         | rBV      | 341384         | 496824        | 89.32%          | 16.365%       |
| 10        | 11.079      | 1633          | 1639        | 1653         | rBV      | 287078         | 365931        | 65.79%          | 12.054%       |
| 11        | 12.018      | 1788          | 1793        | 1809         | rBV      | 369433         | 467052        | 83.97%          | 15.384%       |

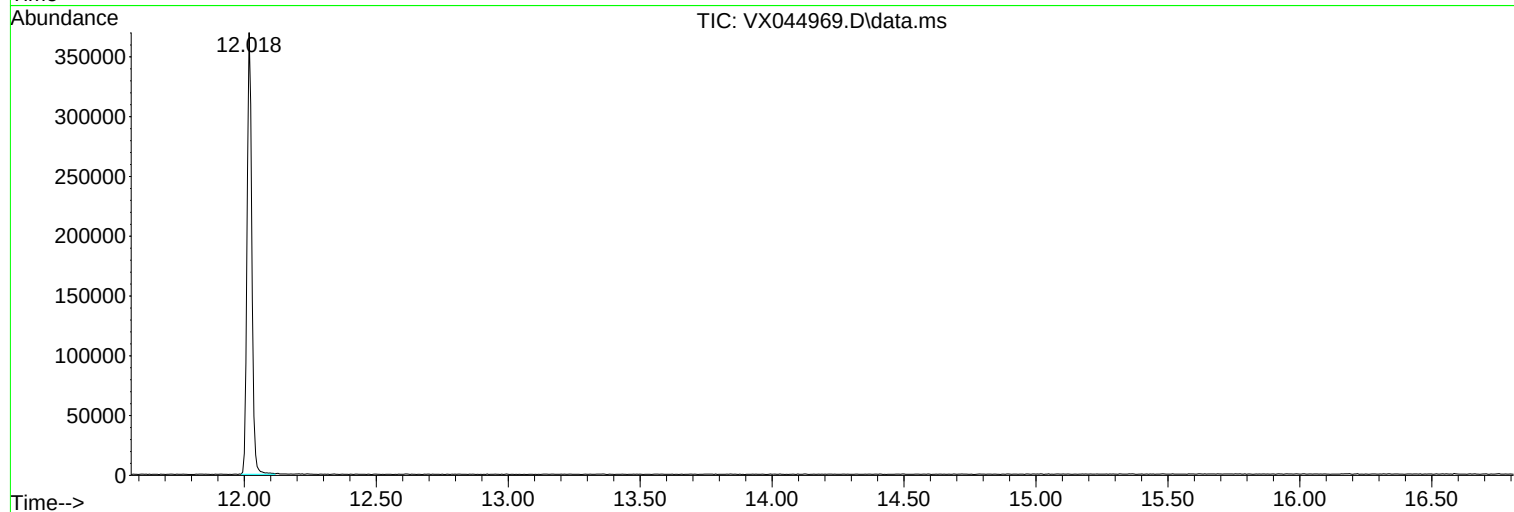
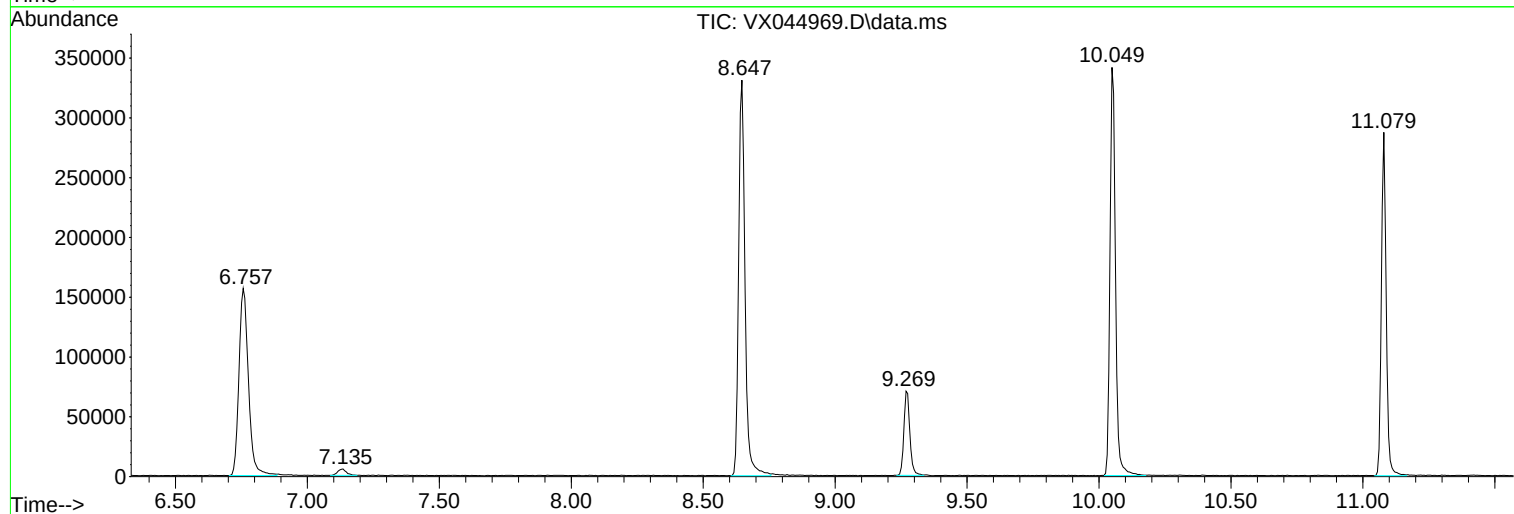
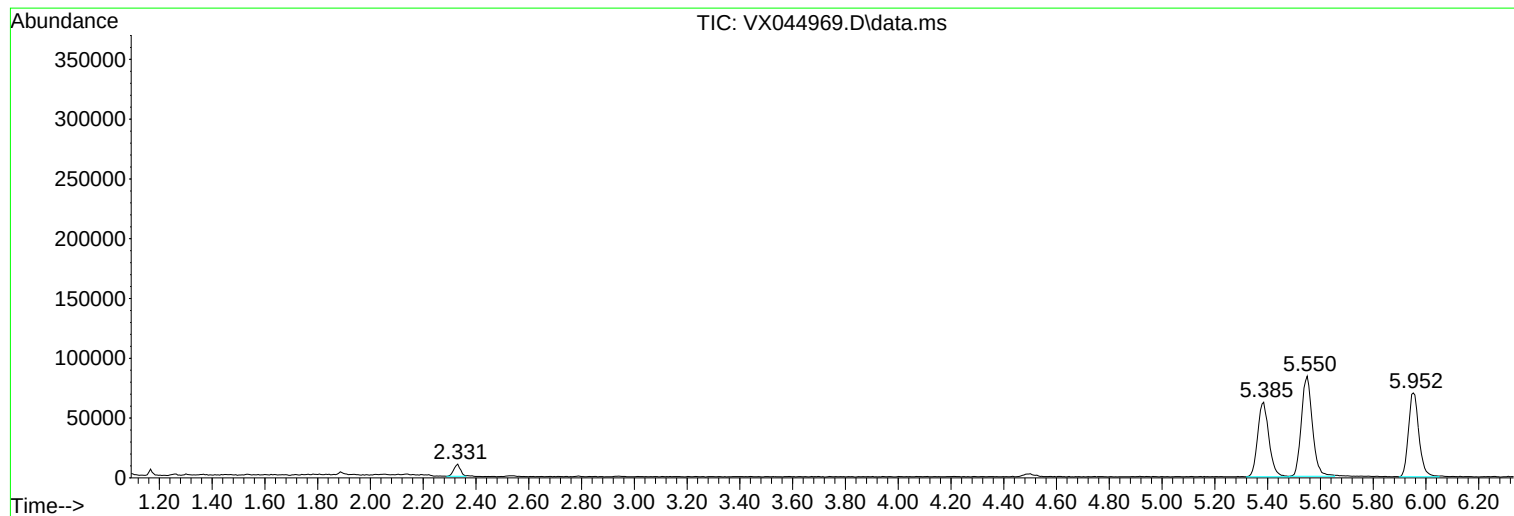
Sum of corrected areas: 3035867

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021425\  
Data File : VX044969.D  
Acq On : 14 Feb 2025 18:11  
Operator : JC/MD  
Sample : Q1363-09  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-33S-021225

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021425\  
Data File : VX044969.D  
Acq On : 14 Feb 2025 18:11  
Operator : JC/MD  
Sample : Q1363-09  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-33S-021225

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
Quant Title : SW846 8260

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

No Library Search Compounds Detected

\*\*\*\*\*

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021425\  
Data File : VX044969.D  
Acq On : 14 Feb 2025 18:11  
Operator : JC/MD  
Sample : Q1363-09  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-33S-021225

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
Quant Title : SW846 8260

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

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

## Report of Analysis

|                    |                                            |                 |                              |
|--------------------|--------------------------------------------|-----------------|------------------------------|
| Client:            | TechLaw Consultants, Inc                   | Date Collected: | 02/12/25                     |
| Project:           | REAC Commodore                             | Date Received:  | 02/13/25                     |
| Client Sample ID:  | MW-33S-FD-021225                           | SDG No.:        | Q1363                        |
| Lab Sample ID:     | Q1363-10                                   | Matrix:         | Water                        |
| Analytical Method: | SW8260                                     | % Solid:        | 0                            |
| Sample Wt/Vol:     | 5                      Units:    mL        | Final Vol:      | 5000                      uL |
| Soil Aliquot Vol:  | uL                                         | Test:           | VOC-TCLVOA-10                |
| GC Column:         | DB-624UI                      ID :    0.18 | Level :         | LOW                          |
| Prep Method :      |                                            |                 |                              |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX044970.D        | 1         |           | 02/14/25 18:34 | VX021425      |

| CAS Number     | Parameter                      | Conc. | Qualifier | MDL  | LOQ / CRQL | Units |
|----------------|--------------------------------|-------|-----------|------|------------|-------|
| <b>TARGETS</b> |                                |       |           |      |            |       |
| 75-71-8        | Dichlorodifluoromethane        | 2.60  |           | 0.21 | 1.00       | ug/L  |
| 74-87-3        | Chloromethane                  | 0.35  | U         | 0.35 | 1.00       | ug/L  |
| 75-01-4        | Vinyl Chloride                 | 0.34  | U         | 0.34 | 1.00       | ug/L  |
| 74-83-9        | Bromomethane                   | 1.40  | U         | 1.40 | 5.00       | ug/L  |
| 75-00-3        | Chloroethane                   | 0.56  | U         | 0.56 | 1.00       | ug/L  |
| 75-69-4        | Trichlorofluoromethane         | 0.86  | J         | 0.34 | 1.00       | ug/L  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 3.60  |           | 0.25 | 1.00       | ug/L  |
| 75-35-4        | 1,1-Dichloroethene             | 0.26  | U         | 0.26 | 1.00       | ug/L  |
| 67-64-1        | Acetone                        | 1.70  | J         | 1.40 | 5.00       | ug/L  |
| 75-15-0        | Carbon Disulfide               | 0.32  | U         | 0.32 | 1.00       | ug/L  |
| 1634-04-4      | Methyl tert-butyl Ether        | 0.16  | U         | 0.16 | 1.00       | ug/L  |
| 79-20-9        | Methyl Acetate                 | 0.60  | U         | 0.60 | 1.00       | ug/L  |
| 75-09-2        | Methylene Chloride             | 0.32  | U         | 0.32 | 1.00       | ug/L  |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.25  | U         | 0.25 | 1.00       | ug/L  |
| 75-34-3        | 1,1-Dichloroethane             | 0.23  | U         | 0.23 | 1.00       | ug/L  |
| 110-82-7       | Cyclohexane                    | 1.60  | U         | 1.60 | 5.00       | ug/L  |
| 78-93-3        | 2-Butanone                     | 1.30  | U         | 1.30 | 5.00       | ug/L  |
| 56-23-5        | Carbon Tetrachloride           | 0.25  | U         | 0.25 | 1.00       | ug/L  |
| 156-59-2       | cis-1,2-Dichloroethene         | 1.30  |           | 0.25 | 1.00       | ug/L  |
| 74-97-5        | Bromochloromethane             | 0.18  | U         | 0.18 | 1.00       | ug/L  |
| 67-66-3        | Chloroform                     | 0.26  | U         | 0.26 | 1.00       | ug/L  |
| 71-55-6        | 1,1,1-Trichloroethane          | 0.19  | U         | 0.19 | 1.00       | ug/L  |
| 108-87-2       | Methylcyclohexane              | 0.19  | U         | 0.19 | 1.00       | ug/L  |
| 71-43-2        | Benzene                        | 0.16  | U         | 0.16 | 1.00       | ug/L  |
| 107-06-2       | 1,2-Dichloroethane             | 0.24  | U         | 0.24 | 1.00       | ug/L  |
| 79-01-6        | Trichloroethene                | 1.90  |           | 0.32 | 1.00       | ug/L  |
| 78-87-5        | 1,2-Dichloropropane            | 0.19  | U         | 0.19 | 1.00       | ug/L  |
| 75-27-4        | Bromodichloromethane           | 0.24  | U         | 0.24 | 1.00       | ug/L  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 0.75  | U         | 0.75 | 5.00       | ug/L  |
| 108-88-3       | Toluene                        | 0.18  | U         | 0.18 | 1.00       | ug/L  |

### Report of Analysis

|                    |                          |        |      |                 |               |    |
|--------------------|--------------------------|--------|------|-----------------|---------------|----|
| Client:            | TechLaw Consultants, Inc |        |      | Date Collected: | 02/12/25      |    |
| Project:           | REAC Commodore           |        |      | Date Received:  | 02/13/25      |    |
| Client Sample ID:  | MW-33S-FD-021225         |        |      | SDG No.:        | Q1363         |    |
| Lab Sample ID:     | Q1363-10                 |        |      | Matrix:         | Water         |    |
| Analytical Method: | SW8260                   |        |      | % Solid:        | 0             |    |
| Sample Wt/Vol:     | 5                        | Units: | mL   | Final Vol:      | 5000          | uL |
| Soil Aliquot Vol:  |                          |        | uL   | Test:           | VOC-TCLVOA-10 |    |
| GC Column:         | DB-624UI                 | ID :   | 0.18 | Level :         | LOW           |    |
| Prep Method :      |                          |        |      |                 |               |    |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX044970.D        | 1         |           | 02/14/25 18:34 | VX021425      |

| CAS Number                | Parameter                   | Conc.  | Qualifier | MDL      | LOQ / CRQL | Units   |
|---------------------------|-----------------------------|--------|-----------|----------|------------|---------|
| 10061-02-6                | t-1,3-Dichloropropene       | 0.21   | U         | 0.21     | 1.00       | ug/L    |
| 10061-01-5                | cis-1,3-Dichloropropene     | 0.18   | U         | 0.18     | 1.00       | ug/L    |
| 79-00-5                   | 1,1,2-Trichloroethane       | 0.21   | U         | 0.21     | 1.00       | ug/L    |
| 591-78-6                  | 2-Hexanone                  | 1.10   | UQ        | 1.10     | 5.00       | ug/L    |
| 124-48-1                  | Dibromochloromethane        | 0.18   | U         | 0.18     | 1.00       | ug/L    |
| 106-93-4                  | 1,2-Dibromoethane           | 0.16   | U         | 0.16     | 1.00       | ug/L    |
| 127-18-4                  | Tetrachloroethene           | 13.1   |           | 0.25     | 1.00       | ug/L    |
| 108-90-7                  | Chlorobenzene               | 0.13   | U         | 0.13     | 1.00       | ug/L    |
| 100-41-4                  | Ethyl Benzene               | 0.16   | U         | 0.16     | 1.00       | ug/L    |
| 179601-23-1               | m/p-Xylenes                 | 0.31   | U         | 0.31     | 2.00       | ug/L    |
| 95-47-6                   | o-Xylene                    | 0.14   | U         | 0.14     | 1.00       | ug/L    |
| 100-42-5                  | Styrene                     | 0.16   | U         | 0.16     | 1.00       | ug/L    |
| 75-25-2                   | Bromoform                   | 0.21   | U         | 0.21     | 1.00       | ug/L    |
| 98-82-8                   | Isopropylbenzene            | 0.13   | U         | 0.13     | 1.00       | ug/L    |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane   | 0.27   | U         | 0.27     | 1.00       | ug/L    |
| 541-73-1                  | 1,3-Dichlorobenzene         | 0.24   | U         | 0.24     | 1.00       | ug/L    |
| 106-46-7                  | 1,4-Dichlorobenzene         | 0.27   | U         | 0.27     | 1.00       | ug/L    |
| 95-50-1                   | 1,2-Dichlorobenzene         | 0.19   | U         | 0.19     | 1.00       | ug/L    |
| 96-12-8                   | 1,2-Dibromo-3-Chloropropane | 0.46   | U         | 0.46     | 1.00       | ug/L    |
| 120-82-1                  | 1,2,4-Trichlorobenzene      | 0.42   | U         | 0.42     | 1.00       | ug/L    |
| 87-61-6                   | 1,2,3-Trichlorobenzene      | 0.51   | U         | 0.51     | 1.00       | ug/L    |
| <b>SURROGATES</b>         |                             |        |           |          |            |         |
| 17060-07-0                | 1,2-Dichloroethane-d4       | 57.9   |           | 74 - 125 | 116%       | SPK: 50 |
| 1868-53-7                 | Dibromofluoromethane        | 53.4   |           | 75 - 124 | 107%       | SPK: 50 |
| 2037-26-5                 | Toluene-d8                  | 52.0   |           | 86 - 113 | 104%       | SPK: 50 |
| 460-00-4                  | 4-Bromofluorobenzene        | 57.0   |           | 77 - 121 | 114%       | SPK: 50 |
| <b>INTERNAL STANDARDS</b> |                             |        |           |          |            |         |
| 363-72-4                  | Pentafluorobenzene          | 83300  | 5.55      |          |            |         |
| 540-36-3                  | 1,4-Difluorobenzene         | 168000 | 6.757     |          |            |         |
| 3114-55-4                 | Chlorobenzene-d5            | 163000 | 10.049    |          |            |         |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4      | 79500  | 12.018    |          |            |         |

## Report of Analysis

|                    |                          |        |      |                 |               |
|--------------------|--------------------------|--------|------|-----------------|---------------|
| Client:            | TechLaw Consultants, Inc |        |      | Date Collected: | 02/12/25      |
| Project:           | REAC Commodore           |        |      | Date Received:  | 02/13/25      |
| Client Sample ID:  | MW-33S-FD-021225         |        |      | SDG No.:        | Q1363         |
| Lab Sample ID:     | Q1363-10                 |        |      | Matrix:         | Water         |
| Analytical Method: | SW8260                   |        |      | % Solid:        | 0             |
| Sample Wt/Vol:     | 5                        | Units: | mL   | Final Vol:      | 5000 uL       |
| Soil Aliquot Vol:  |                          |        | uL   | Test:           | VOC-TCLVOA-10 |
| GC Column:         | DB-624UI                 | ID :   | 0.18 | Level :         | LOW           |
| Prep Method :      |                          |        |      |                 |               |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
|-------------------|-----------|-----------|----------------|---------------|
| VX044970.D        | 1         |           | 02/14/25 18:34 | VX021425      |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|------------|-----------|-------|-----------|-----|------------|-------|
|------------|-----------|-------|-----------|-----|------------|-------|

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021425\  
 Data File : VX044970.D  
 Acq On : 14 Feb 2025 18:34  
 Operator : JC/MD  
 Sample : Q1363-10  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-33S-FD-021225

Quant Time: Feb 14 22:18:51 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 11 03:41:08 2025  
 Response via : Initial Calibration

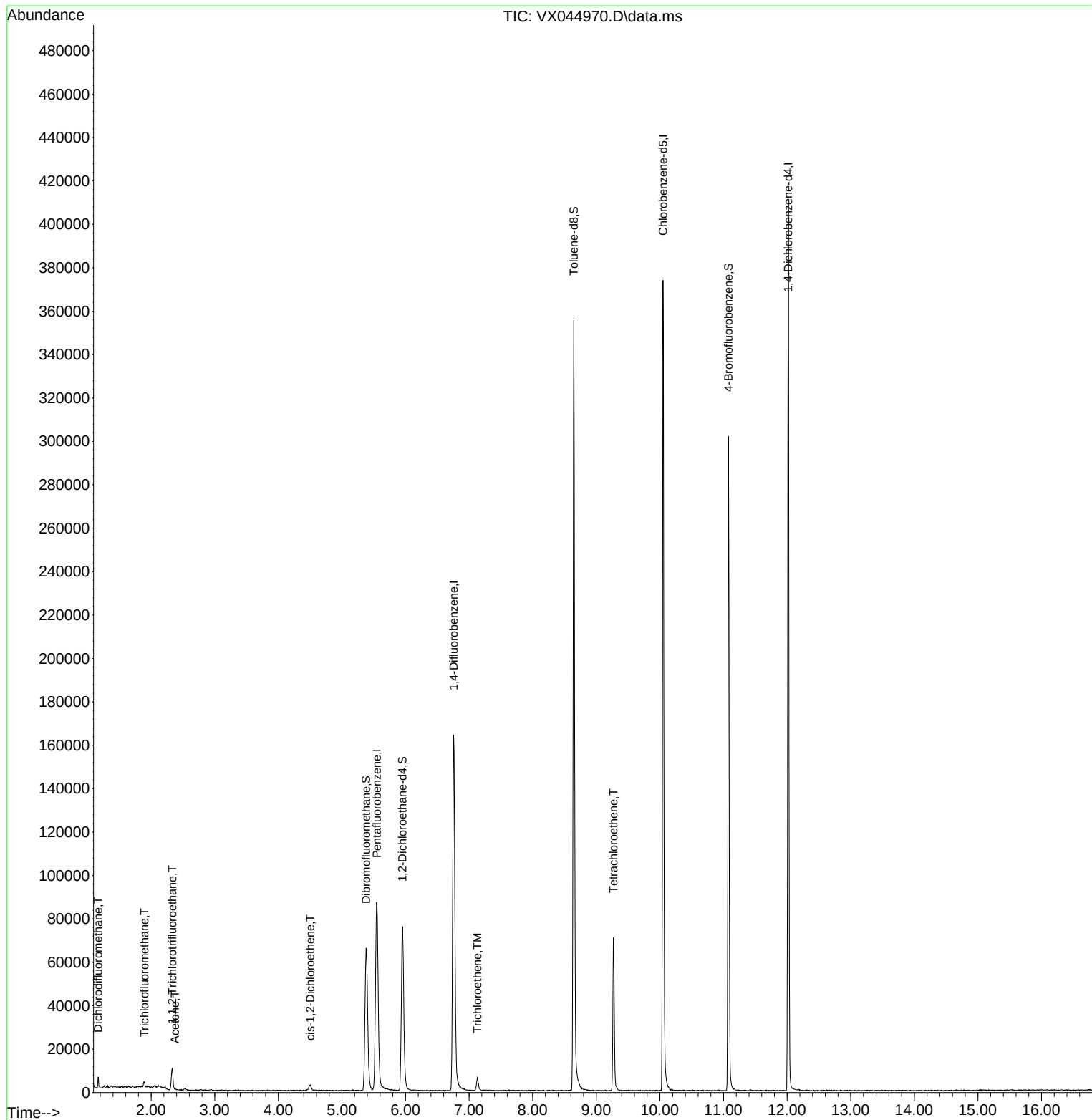
| Compound                     | R.T. QIon |       | Response | Conc     | Units      | Dev(Min) |
|------------------------------|-----------|-------|----------|----------|------------|----------|
| -----                        |           |       |          |          |            |          |
| Internal Standards           |           |       |          |          |            |          |
| 1) Pentafluorobenzene        | 5.550     | 168   | 83299    | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.757     | 114   | 168141   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5         | 10.049    | 117   | 163155   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.018    | 152   | 79529    | 50.000   | ug/l       | 0.00     |
|                              |           |       |          |          |            |          |
| System Monitoring Compounds  |           |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4    | 5.952     | 65    | 70646    | 57.938   | ug/l       | 0.00     |
| Spiked Amount                | 50.000    | Range | 74 - 125 | Recovery | = 115.880% |          |
| 35) Dibromofluoromethane     | 5.379     | 113   | 58337    | 53.364   | ug/l       | 0.00     |
| Spiked Amount                | 50.000    | Range | 75 - 124 | Recovery | = 106.720% |          |
| 50) Toluene-d8               | 8.647     | 98    | 214805   | 51.963   | ug/l       | 0.00     |
| Spiked Amount                | 50.000    | Range | 86 - 113 | Recovery | = 103.920% |          |
| 62) 4-Bromofluorobenzene     | 11.079    | 95    | 79480    | 57.032   | ug/l       | 0.00     |
| Spiked Amount                | 50.000    | Range | 77 - 121 | Recovery | = 114.060% |          |
|                              |           |       |          |          |            |          |
| Target Compounds             |           |       |          |          |            | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.166     | 85    | 3067     | 2.625    | ug/l       | 96       |
| 7) Trichlorofluoromethane    | 1.892     | 101   | 1501     | 0.862    | ug/l #     | 74       |
| 9) 1,1,2-Trichlorotrifluo... | 2.331     | 101   | 3794     | 3.605    | ug/l       | 91       |
| 16) Acetone                  | 2.374     | 43    | 813      | 1.659    | ug/l #     | 87       |
| 27) cis-1,2-Dichloroethene   | 4.501     | 96    | 1667     | 1.313    | ug/l       | 95       |
| 44) Trichloroethene          | 7.129     | 130   | 2181     | 1.937    | ug/l       | 90       |
| 64) Tetrachloroethene        | 9.269     | 164   | 13469    | 13.090   | ug/l       | 99       |
| -----                        |           |       |          |          |            |          |

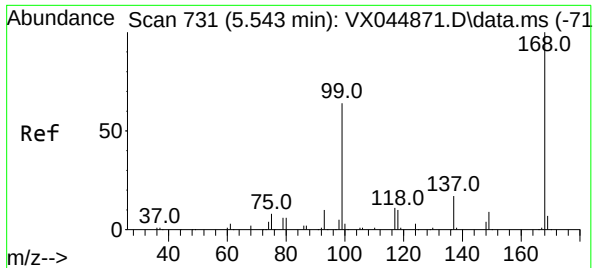
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021425\  
Data File : VX044970.D  
Acq On : 14 Feb 2025 18:34  
Operator : JC/MD  
Sample : Q1363-10  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-33S-FD-021225

Quant Time: Feb 14 22:18:51 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
Quant Title : SW846 8260  
QLast Update : Tue Feb 11 03:41:08 2025  
Response via : Initial Calibration

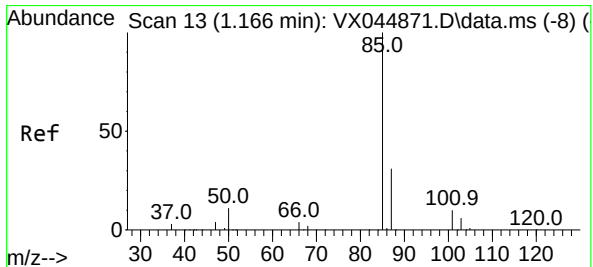
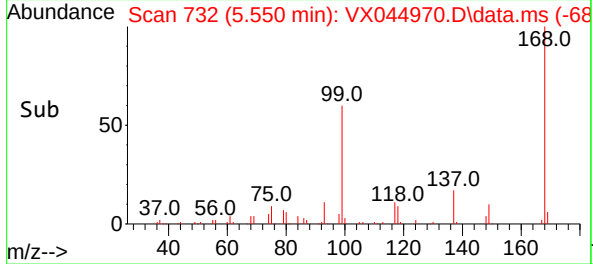
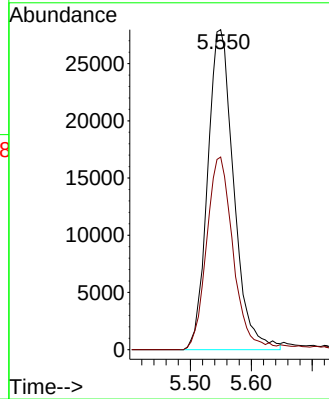
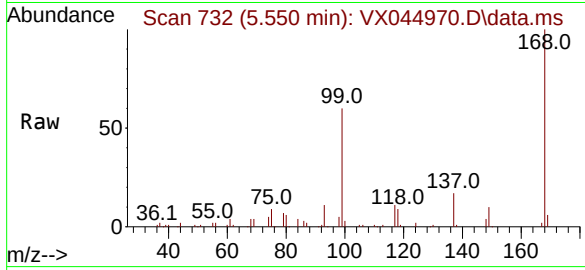




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. 0.007 min  
Lab File: VX044970.D  
Acq: 14 Feb 2025 18:34

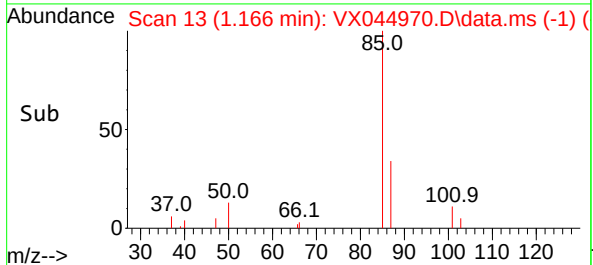
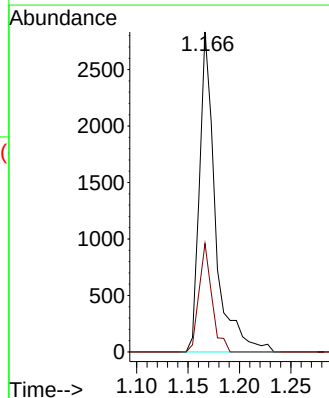
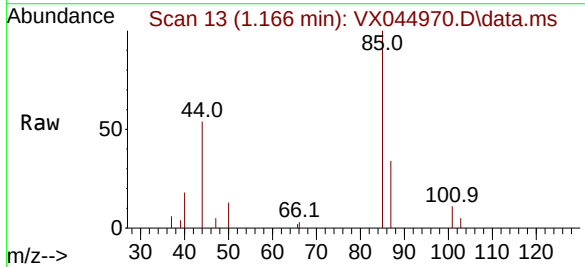
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-33S-FD-021225

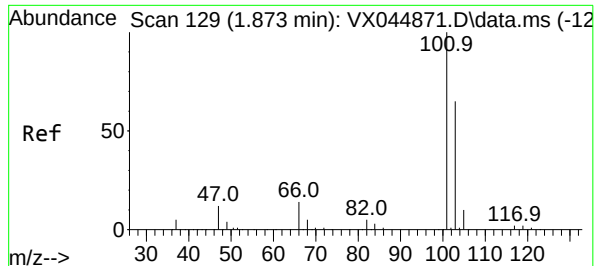
Tgt Ion:168 Resp: 83299  
Ion Ratio Lower Upper  
168 100  
99 60.2 51.2 76.8



#2  
Dichlorodifluoromethane  
Concen: 2.625 ug/l  
RT: 1.166 min Scan# 13  
Delta R.T. 0.000 min  
Lab File: VX044970.D  
Acq: 14 Feb 2025 18:34

Tgt Ion: 85 Resp: 3067  
Ion Ratio Lower Upper  
85 100  
87 33.9 15.8 47.3

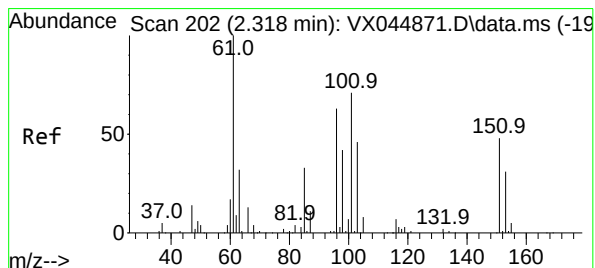
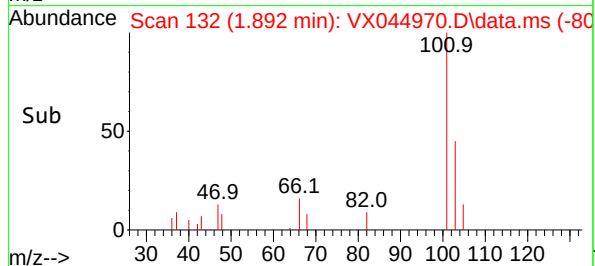
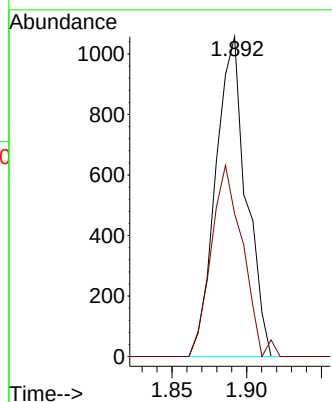
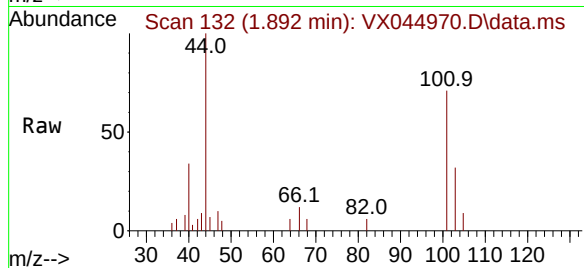




#7  
 Trichlorofluoromethane  
 Concen: 0.862 ug/l  
 RT: 1.892 min Scan# 11  
 Delta R.T. 0.019 min  
 Lab File: VX044970.D  
 Acq: 14 Feb 2025 18:34

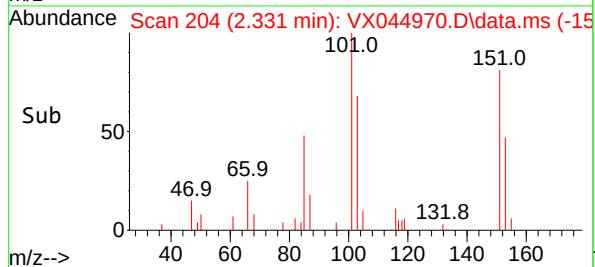
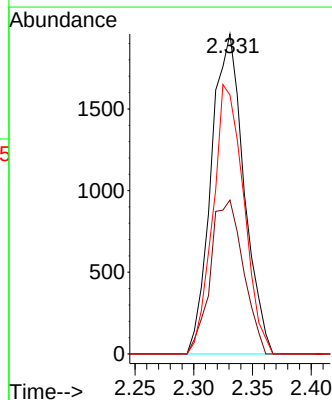
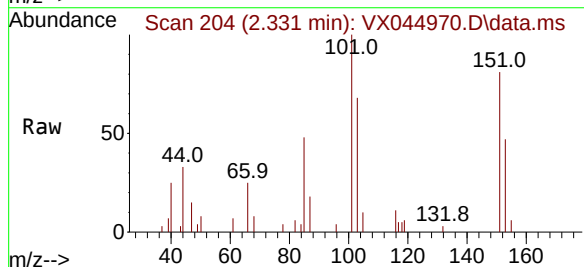
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-33S-FD-021225

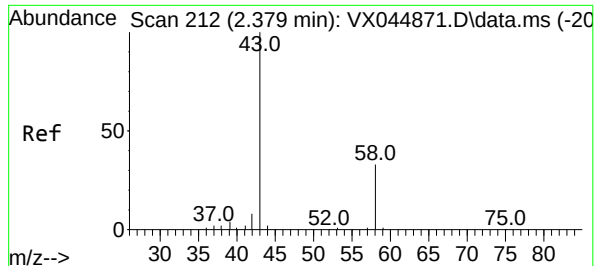
Tgt Ion:101 Resp: 1501  
 Ion Ratio Lower Upper  
 101 100  
 103 44.7 52.4 78.6#



#9  
 1,1,2-Trichlorotrifluoroethane  
 Concen: 3.605 ug/l  
 RT: 2.331 min Scan# 204  
 Delta R.T. 0.013 min  
 Lab File: VX044970.D  
 Acq: 14 Feb 2025 18:34

Tgt Ion:101 Resp: 3794  
 Ion Ratio Lower Upper  
 101 100  
 85 48.3 35.7 53.5  
 151 79.3 56.0 84.0





#16

Acetone

Concen: 1.659 ug/l

RT: 2.374 min Scan# 21

Delta R.T. -0.006 min

Lab File: VX044970.D

Acq: 14 Feb 2025 18:34

Instrument :

MSVOA\_X

ClientSampleId :

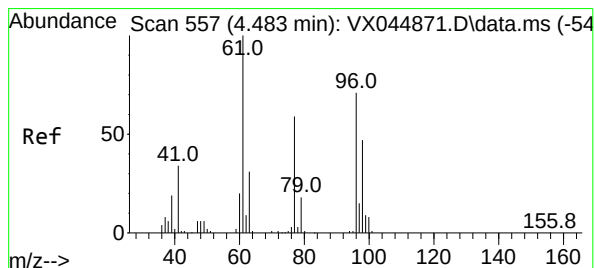
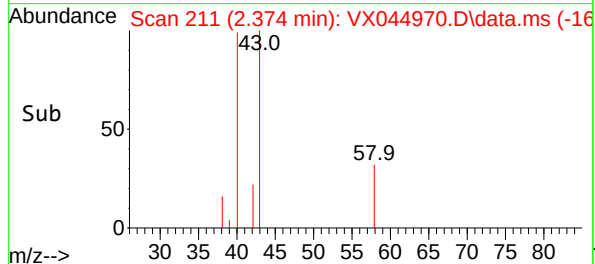
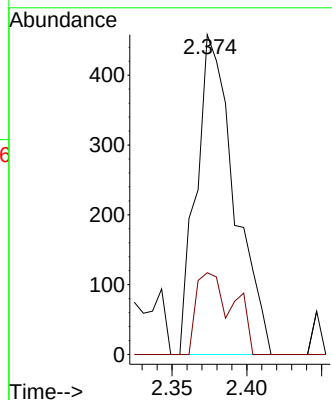
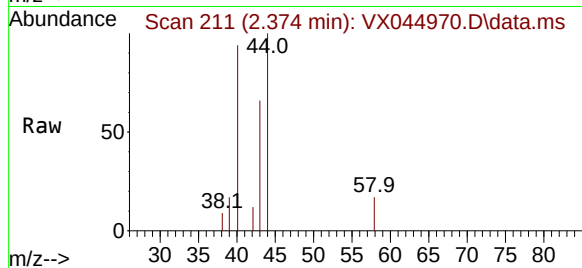
MW-33S-FD-021225

Tgt Ion: 43 Resp: 813

Ion Ratio Lower Upper

43 100

58 25.5 26.5 39.7#



#27

cis-1,2-Dichloroethene

Concen: 1.313 ug/l

RT: 4.501 min Scan# 560

Delta R.T. 0.019 min

Lab File: VX044970.D

Acq: 14 Feb 2025 18:34

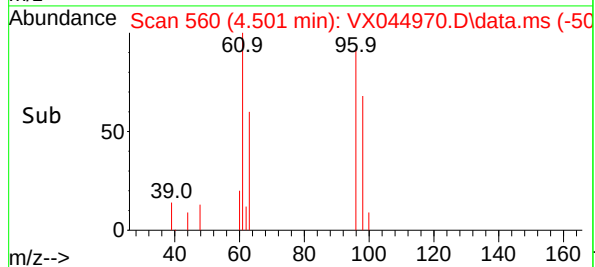
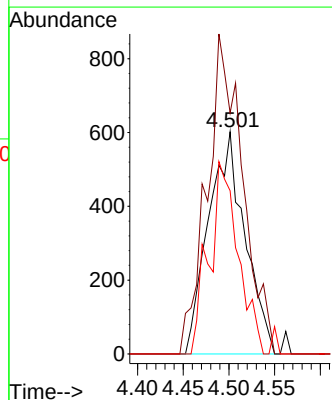
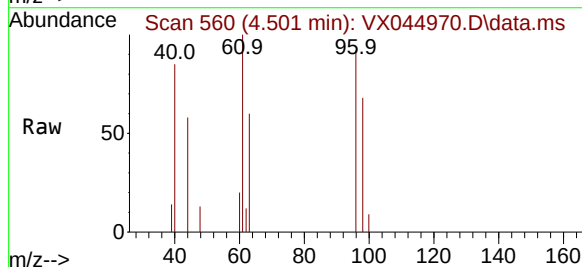
Tgt Ion: 96 Resp: 1667

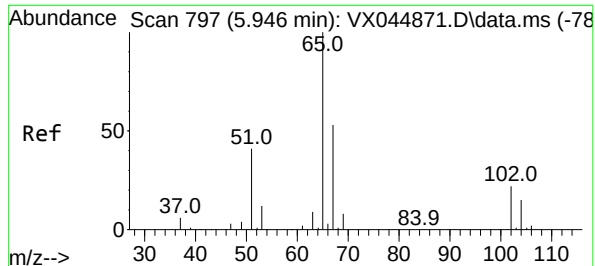
Ion Ratio Lower Upper

96 100

61 140.9 0.0 294.0

98 69.2 0.0 131.2





#33

1,2-Dichloroethane-d4

Concen: 57.938 ug/l

RT: 5.952 min Scan# 797

Delta R.T. 0.006 min

Lab File: VX044970.D

Acq: 14 Feb 2025 18:34

Instrument :

MSVOA\_X

ClientSampleId :

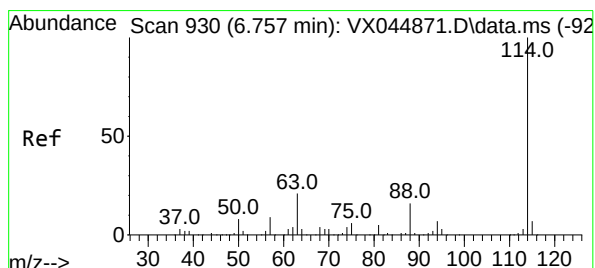
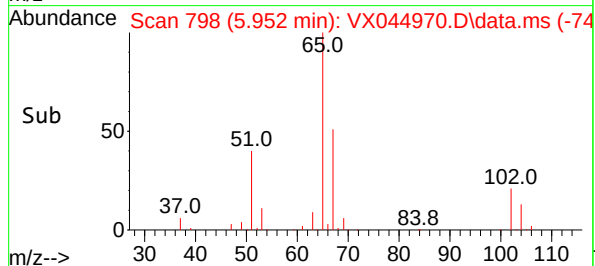
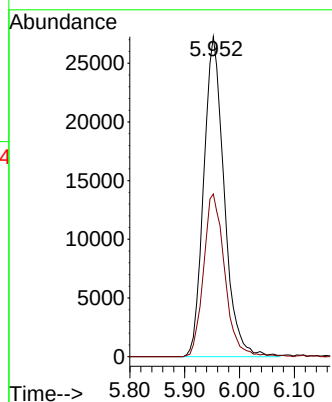
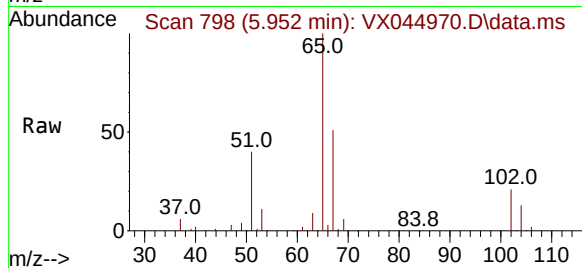
MW-33S-FD-021225

Tgt Ion: 65 Resp: 70646

Ion Ratio Lower Upper

65 100

67 52.7 0.0 108.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX044970.D

Acq: 14 Feb 2025 18:34

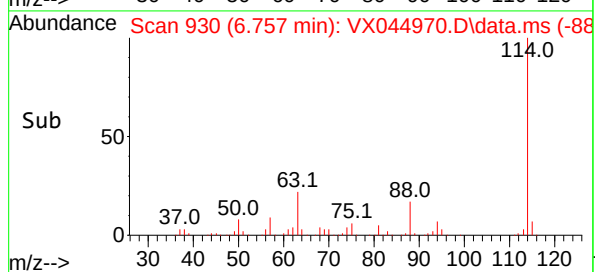
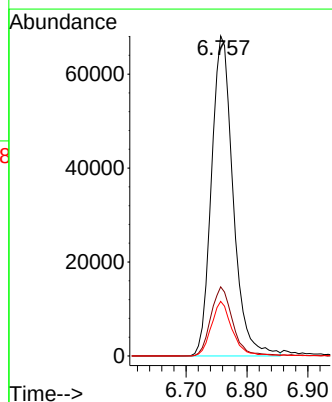
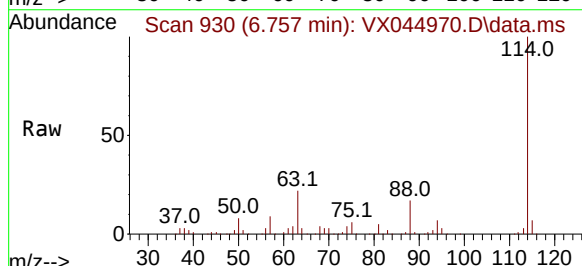
Tgt Ion: 114 Resp: 168141

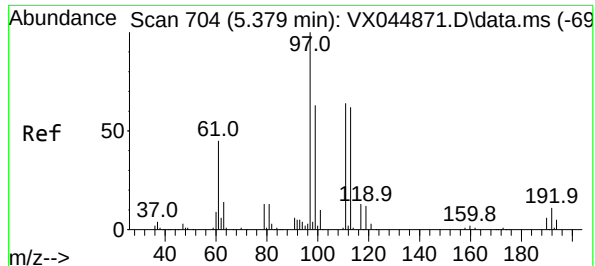
Ion Ratio Lower Upper

114 100

63 21.6 0.0 42.4

88 17.1 0.0 31.4





#35

Dibromofluoromethane

Concen: 53.364 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX044970.D

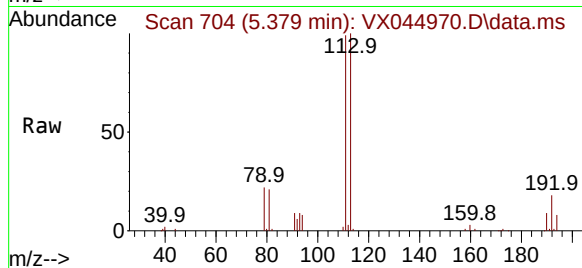
Acq: 14 Feb 2025 18:34

Instrument :

MSVOA\_X

ClientSampleId :

MW-33S-FD-021225



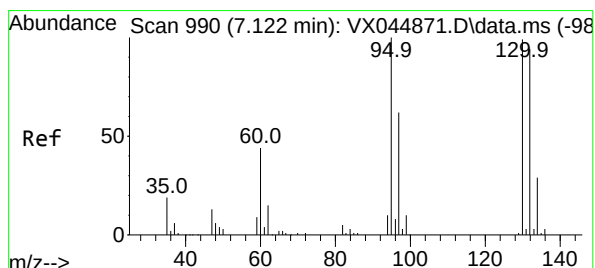
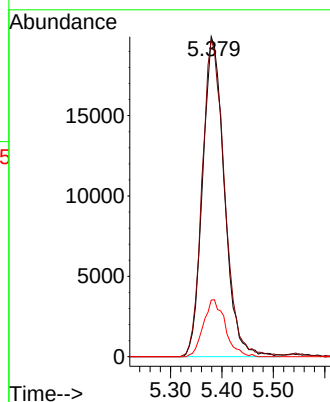
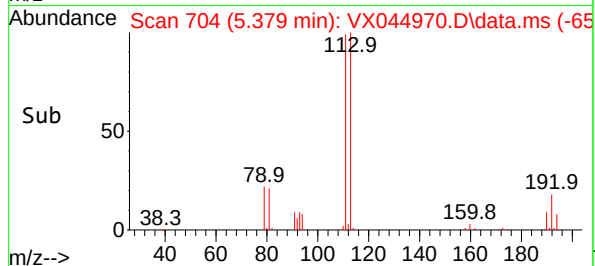
Tgt Ion:113 Resp: 58337

Ion Ratio Lower Upper

113 100

111 102.5 83.5 125.3

192 18.0 14.4 21.6



#44

Trichloroethene

Concen: 1.937 ug/l

RT: 7.129 min Scan# 991

Delta R.T. 0.006 min

Lab File: VX044970.D

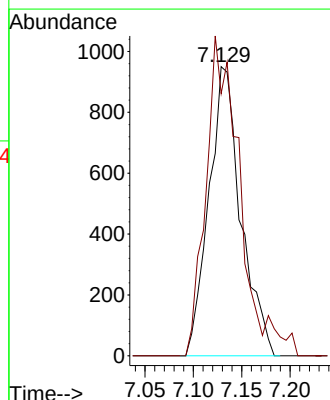
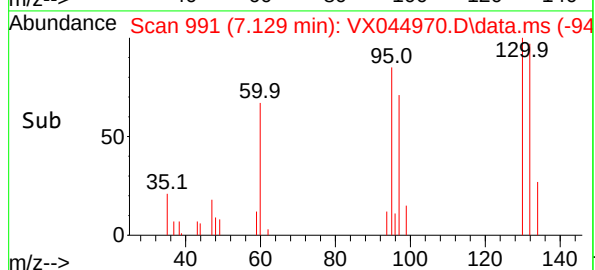
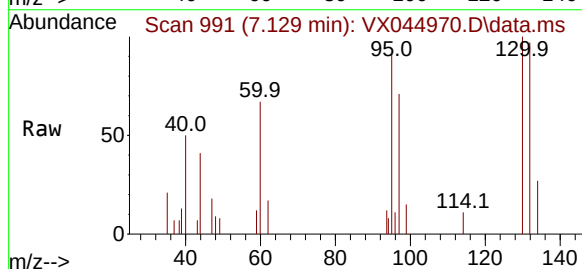
Acq: 14 Feb 2025 18:34

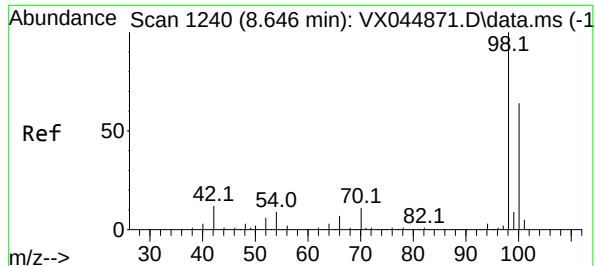
Tgt Ion:130 Resp: 2181

Ion Ratio Lower Upper

130 100

95 90.7 0.0 202.4





#50

Toluene-d8

Concen: 51.963 ug/l

RT: 8.647 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX044970.D

Acq: 14 Feb 2025 18:34

Instrument :

MSVOA\_X

ClientSampleId :

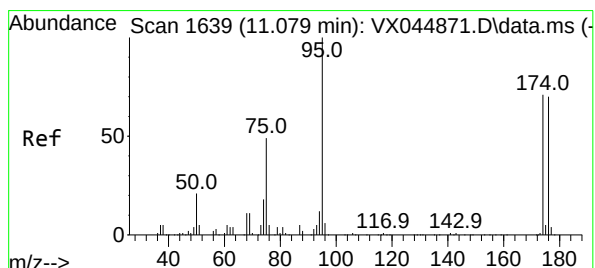
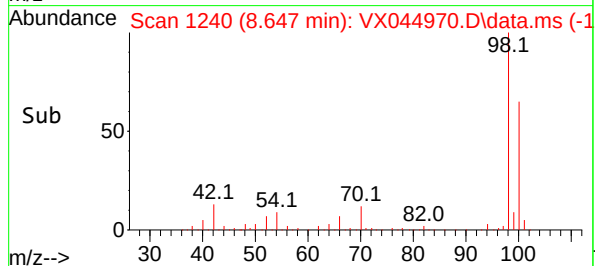
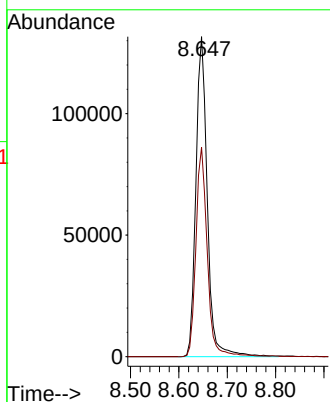
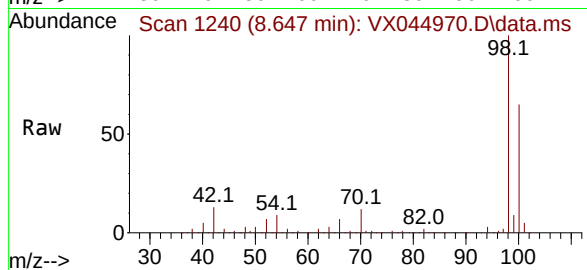
MW-33S-FD-021225

Tgt Ion: 98 Resp: 214805

Ion Ratio Lower Upper

98 100

100 65.3 52.7 79.1



#62

4-Bromofluorobenzene

Concen: 57.032 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX044970.D

Acq: 14 Feb 2025 18:34

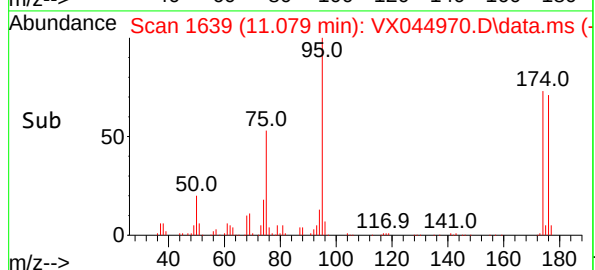
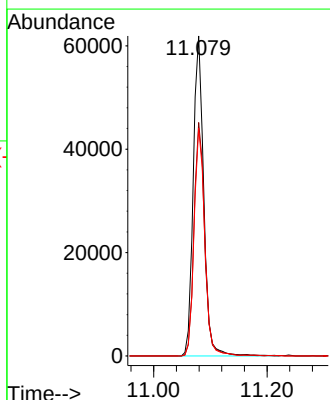
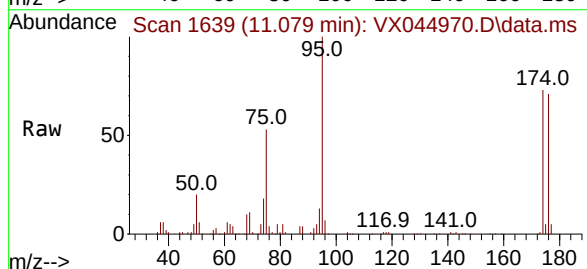
Tgt Ion: 95 Resp: 79480

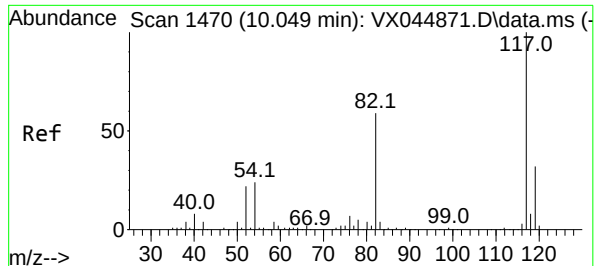
Ion Ratio Lower Upper

95 100

174 73.7 0.0 142.6

176 72.1 0.0 141.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. 0.000 min

Lab File: VX044970.D

Acq: 14 Feb 2025 18:34

Instrument :

MSVOA\_X

ClientSampleId :

MW-33S-FD-021225

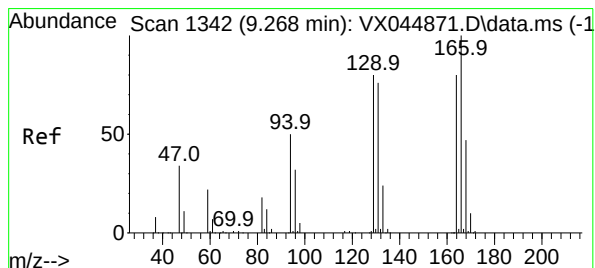
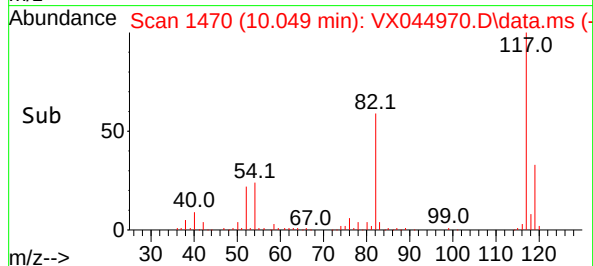
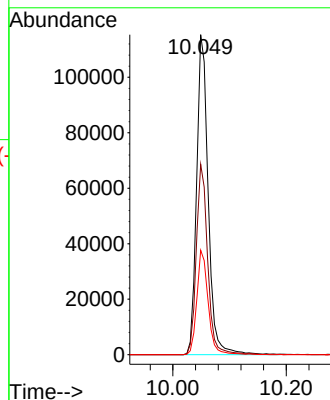
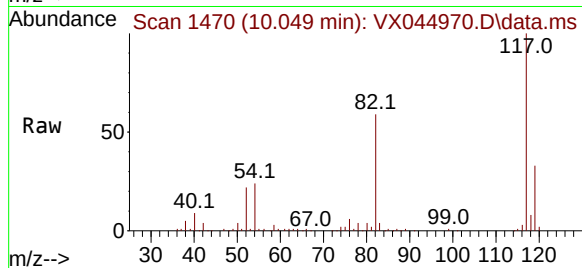
Tgt Ion:117 Resp: 163155

Ion Ratio Lower Upper

117 100

82 59.5 47.5 71.3

119 32.7 25.4 38.0



#64

Tetrachloroethene

Concen: 13.090 ug/l

RT: 9.269 min Scan# 1342

Delta R.T. 0.000 min

Lab File: VX044970.D

Acq: 14 Feb 2025 18:34

Tgt Ion:164 Resp: 13469

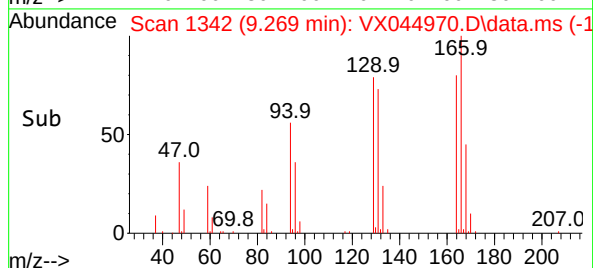
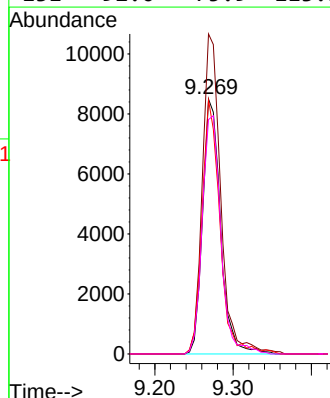
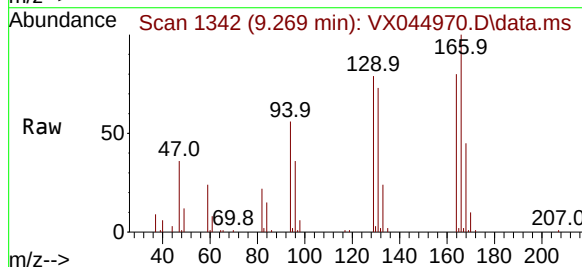
Ion Ratio Lower Upper

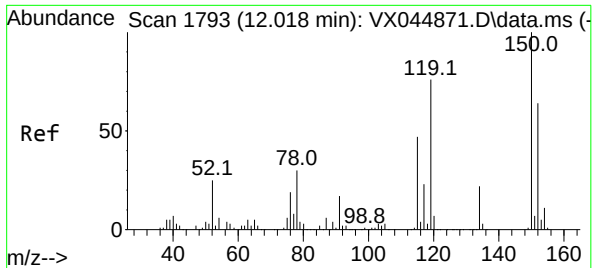
164 100

166 125.6 100.4 150.6

129 99.7 79.9 119.9

131 92.0 75.9 113.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX044970.D

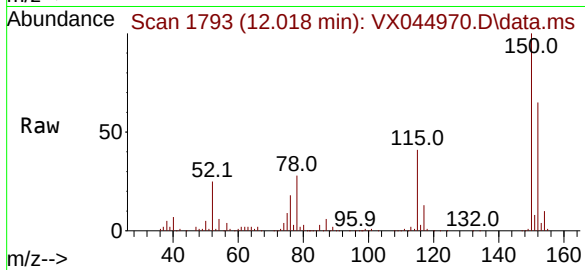
Acq: 14 Feb 2025 18:34

Instrument :

MSVOA\_X

ClientSampleId :

MW-33S-FD-021225



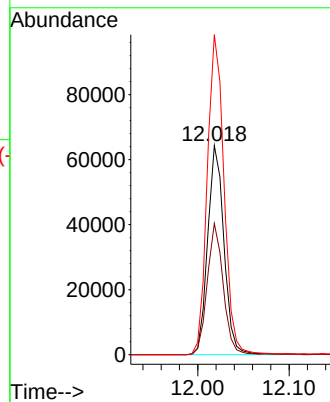
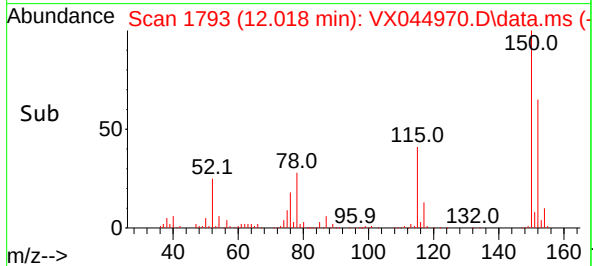
Tgt Ion:152 Resp: 79529

Ion Ratio Lower Upper

152 100

115 61.9 43.4 130.1

150 157.4 0.0 350.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021425\  
 Data File : VX044970.D  
 Acq On : 14 Feb 2025 18:34  
 Operator : JC/MD  
 Sample : Q1363-10  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-33S-FD-021225

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M

Title : SW846 8260

Signal : TIC: VX044970.D\data.ms

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 2.331       | 197           | 204         | 210          | rBV2     | 9900           | 19093         | 3.28%           | 0.593%        |
| 2         | 4.501       | 553           | 560         | 568          | rVB5     | 2449           | 6375          | 1.10%           | 0.198%        |
| 3         | 5.379       | 694           | 704         | 719          | rBV      | 65540          | 195433        | 33.60%          | 6.071%        |
| 4         | 5.544       | 721           | 731         | 745          | rBV      | 86259          | 253310        | 43.55%          | 7.869%        |
| 5         | 5.952       | 789           | 798         | 815          | rBV      | 75571          | 201339        | 34.62%          | 6.255%        |
| 6         | 6.757       | 920           | 930         | 946          | rBV      | 163774         | 404036        | 69.47%          | 12.552%       |
| 7         | 7.129       | 985           | 991         | 1005         | rBV4     | 5884           | 12668         | 2.18%           | 0.394%        |
| 8         | 8.647       | 1233          | 1240        | 1260         | rBV      | 354885         | 581598        | 100.00%         | 18.068%       |
| 9         | 9.269       | 1337          | 1342        | 1358         | rVB      | 70572          | 112405        | 19.33%          | 3.492%        |
| 10        | 10.049      | 1465          | 1470        | 1490         | rBV      | 373325         | 526406        | 90.51%          | 16.353%       |
| 11        | 11.079      | 1634          | 1639        | 1652         | rBV      | 301397         | 391016        | 67.23%          | 12.147%       |
| 12        | 12.018      | 1788          | 1793        | 1804         | rBV      | 408961         | 515340        | 88.61%          | 16.009%       |

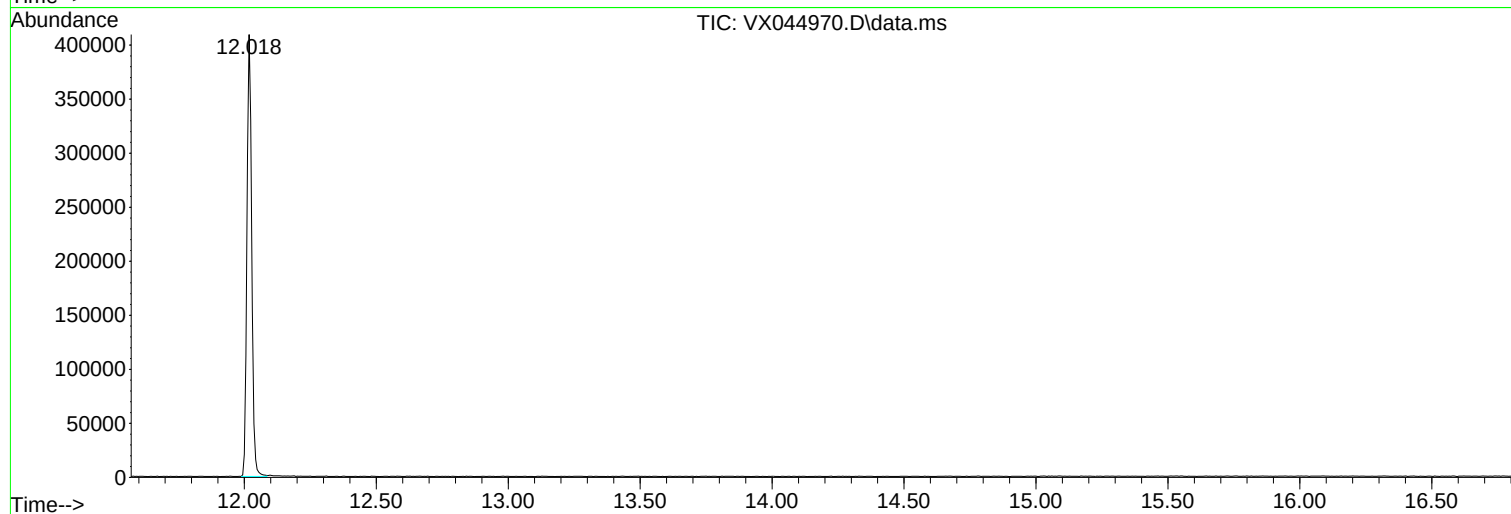
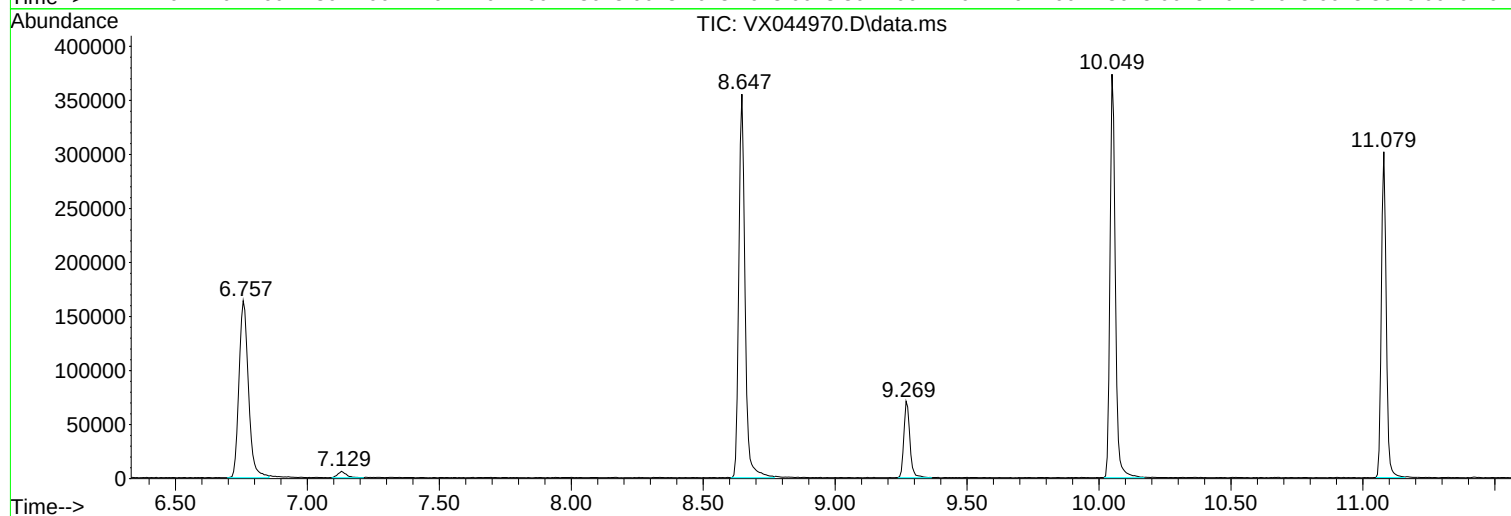
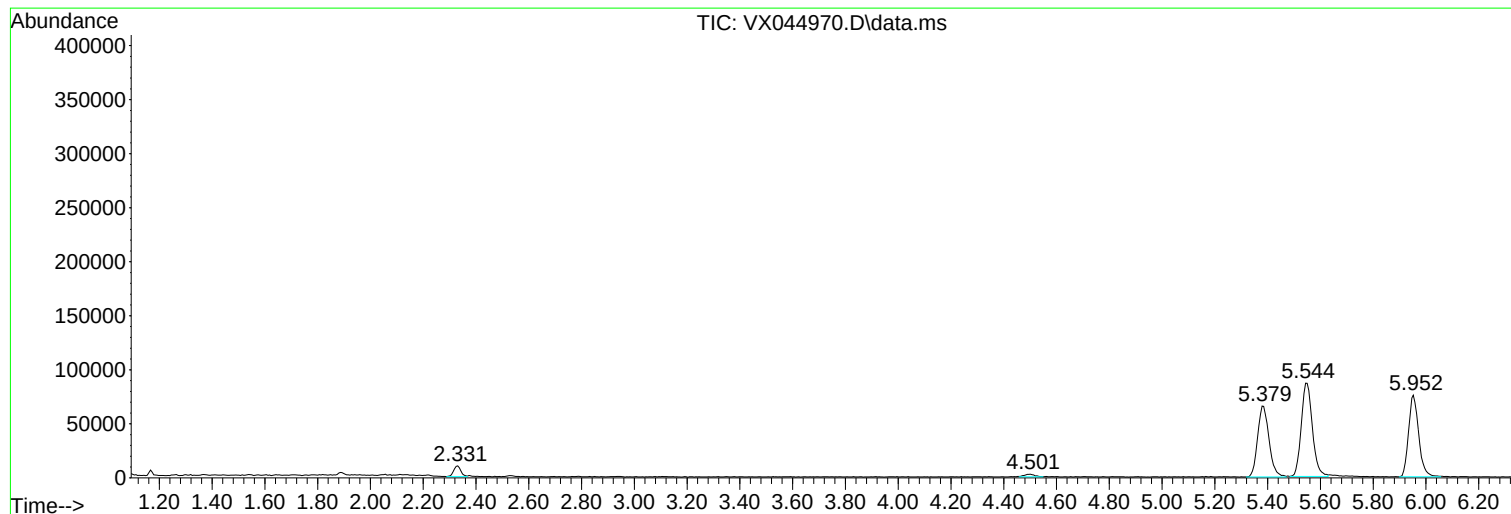
Sum of corrected areas: 3219019

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021425\  
Data File : VX044970.D  
Acq On : 14 Feb 2025 18:34  
Operator : JC/MD  
Sample : Q1363-10  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-33S-FD-021225

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021425\  
Data File : VX044970.D  
Acq On : 14 Feb 2025 18:34  
Operator : JC/MD  
Sample : Q1363-10  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-33S-FD-021225

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
Quant Title : SW846 8260

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

No Library Search Compounds Detected

\*\*\*\*\*

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021425\  
Data File : VX044970.D  
Acq On : 14 Feb 2025 18:34  
Operator : JC/MD  
Sample : Q1363-10  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 24 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-33S-FD-021225

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
Quant Title : SW846 8260

TIC Library : C:\Database\NIST0.L  
TIC Integration Parameters: LSCINT.P

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



# CALIBRATION SUMMARY



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

### VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: TECH05  
 Lab Code: CHEM Case No.: Q1363 SAS No.: Q1363 SDG No.: Q1363  
 Instrument ID: MSVOA\_X Calibration Date(s): 02/10/2025 02/10/2025  
 Heated Purge: (Y/N) N Calibration Time(s): 10:25 12:28  
 GC Column: DB-624UI ID: 0.18 (mm)

|                                |                     |        |        |                     |        |                     |       |       |
|--------------------------------|---------------------|--------|--------|---------------------|--------|---------------------|-------|-------|
| LAB FILE ID:                   | RRF001 = VX044868.D |        |        | RRF005 = VX044869.D |        | RRF020 = VX044870.D |       |       |
|                                | RRF050 = VX044871.D |        |        | RRF100 = VX044872.D |        | RRF150 = VX044873.D |       |       |
| COMPOUND                       | RRF001              | RRF005 | RRF020 | RRF050              | RRF100 | RRF150              | RRF   | % RSD |
| Dichlorodifluoromethane        | 0.723               | 0.669  | 0.716  | 0.700               | 0.706  | 0.693               | 0.701 | 2.7   |
| Chloromethane                  | 0.958               | 0.860  | 0.862  | 0.843               | 0.805  | 0.793               | 0.854 | 6.9   |
| Vinyl Chloride                 | 0.839               | 0.846  | 0.847  | 0.808               | 0.807  | 0.814               | 0.827 | 2.3   |
| Bromomethane                   |                     | 0.248  | 0.252  | 0.249               | 0.242  | 0.246               | 0.247 | 1.4   |
| Chloroethane                   | 0.500               | 0.288  | 0.280  | 0.341               | 0.249  | 0.181               | 0.307 | 35.4  |
| Trichlorofluoromethane         | 1.062               | 1.066  | 1.096  | 1.029               | 1.013  | 1.008               | 1.046 | 3.3   |
| 1,1,2-Trichlorotrifluoroethane | 0.583               | 0.647  | 0.668  | 0.626               | 0.631  | 0.637               | 0.632 | 4.5   |
| 1,1-Dichloroethene             | 0.647               | 0.639  | 0.661  | 0.630               | 0.632  | 0.657               | 0.644 | 2     |
| Acetone                        | 0.305               | 0.292  | 0.298  | 0.293               | 0.285  | 0.292               | 0.294 | 2.3   |
| Carbon Disulfide               | 1.689               | 1.732  | 1.786  | 1.762               | 1.789  | 1.846               | 1.767 | 3     |
| Methyl tert-butyl Ether        | 1.941               | 2.065  | 2.130  | 2.046               | 2.011  | 2.110               | 2.050 | 3.4   |
| Methyl Acetate                 | 0.882               | 0.901  | 0.926  | 0.946               | 0.922  | 0.995               | 0.928 | 4.2   |
| Methylene Chloride             | 0.747               | 0.717  | 0.741  | 0.704               | 0.695  | 0.720               | 0.721 | 2.8   |
| trans-1,2-Dichloroethene       | 0.608               | 0.622  | 0.657  | 0.640               | 0.633  | 0.644               | 0.634 | 2.7   |
| 1,1-Dichloroethane             | 1.155               | 1.257  | 1.292  | 1.227               | 1.209  | 1.257               | 1.233 | 3.9   |
| Cyclohexane                    |                     | 1.154  | 1.174  | 1.121               | 1.107  | 1.127               | 1.137 | 2.4   |
| 2-Butanone                     | 0.422               | 0.472  | 0.504  | 0.506               | 0.477  | 0.487               | 0.478 | 6.4   |
| Carbon Tetrachloride           | 0.457               | 0.466  | 0.478  | 0.453               | 0.445  | 0.459               | 0.460 | 2.4   |
| cis-1,2-Dichloroethene         | 0.680               | 0.783  | 0.812  | 0.758               | 0.758  | 0.779               | 0.762 | 5.9   |
| Bromochloromethane             | 0.634               | 0.579  | 0.607  | 0.584               | 0.572  | 0.579               | 0.593 | 4     |
| Chloroform                     | 1.167               | 1.209  | 1.268  | 1.169               | 1.153  | 1.208               | 1.196 | 3.5   |
| 1,1,1-Trichloroethane          | 1.014               | 1.003  | 1.051  | 1.005               | 0.984  | 1.028               | 1.014 | 2.3   |
| Methylcyclohexane              | 0.509               | 0.571  | 0.667  | 0.622               | 0.634  | 0.635               | 0.606 | 9.4   |
| Benzene                        | 1.370               | 1.488  | 1.577  | 1.470               | 1.429  | 1.453               | 1.465 | 4.7   |
| 1,2-Dichloroethane             | 0.417               | 0.465  | 0.502  | 0.472               | 0.462  | 0.482               | 0.467 | 6.1   |
| Trichloroethene                | 0.293               | 0.340  | 0.367  | 0.335               | 0.332  | 0.343               | 0.335 | 7.2   |
| 1,2-Dichloropropane            | 0.343               | 0.354  | 0.389  | 0.367               | 0.360  | 0.372               | 0.364 | 4.3   |
| Bromodichloromethane           | 0.428               | 0.481  | 0.514  | 0.500               | 0.500  | 0.513               | 0.489 | 6.6   |
| 4-Methyl-2-Pentanone           | 0.439               | 0.514  | 0.562  | 0.554               | 0.506  | 0.498               | 0.512 | 8.6   |
| Toluene                        | 0.776               | 0.872  | 0.957  | 0.898               | 0.866  | 0.864               | 0.872 | 6.7   |

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



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Fax : 908 789 8922

### VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: TECH05  
 Lab Code: CHEM Case No.: Q1363 SAS No.: Q1363 SDG No.: Q1363  
 Instrument ID: MSVOA\_X Calibration Date(s): 02/10/2025 02/10/2025  
 Heated Purge: (Y/N) N Calibration Time(s): 10:25 12:28  
 GC Column: DB-624UI ID: 0.18 (mm)

| LAB FILE ID:                |        | RRF001 = VX044868.D |        | RRF005 = VX044869.D |        | RRF020 = VX044870.D |       |       |  |
|-----------------------------|--------|---------------------|--------|---------------------|--------|---------------------|-------|-------|--|
|                             |        | RRF050 = VX044871.D |        | RRF100 = VX044872.D |        | RRF150 = VX044873.D |       |       |  |
| COMPOUND                    | RRF001 | RRF005              | RRF020 | RRF050              | RRF100 | RRF150              | RRF   | % RSD |  |
| t-1,3-Dichloropropene       | 0.417  | 0.451               | 0.518  | 0.514               | 0.528  | 0.543               | 0.495 | 10    |  |
| cis-1,3-Dichloropropene     | 0.452  | 0.511               | 0.587  | 0.577               | 0.587  | 0.599               | 0.552 | 10.5  |  |
| 1,1,2-Trichloroethane       | 0.307  | 0.342               | 0.362  | 0.341               | 0.331  | 0.329               | 0.335 | 5.4   |  |
| 2-Hexanone                  | 0.313  | 0.360               | 0.406  | 0.404               | 0.369  | 0.362               | 0.369 | 9.3   |  |
| Dibromochloromethane        | 0.317  | 0.342               | 0.381  | 0.373               | 0.368  | 0.370               | 0.359 | 6.7   |  |
| 1,2-Dibromoethane           | 0.302  | 0.330               | 0.367  | 0.350               | 0.345  | 0.345               | 0.340 | 6.5   |  |
| Tetrachloroethene           | 0.306  | 0.311               | 0.343  | 0.310               | 0.307  | 0.314               | 0.315 | 4.4   |  |
| Chlorobenzene               | 0.969  | 1.093               | 1.140  | 1.096               | 1.071  | 1.076               | 1.074 | 5.3   |  |
| Ethyl Benzene               | 1.690  | 1.873               | 2.021  | 1.935               | 1.923  | 1.929               | 1.895 | 5.9   |  |
| m/p-Xylenes                 | 0.616  | 0.700               | 0.754  | 0.724               | 0.706  | 0.694               | 0.699 | 6.6   |  |
| o-Xylene                    | 0.661  | 0.721               | 0.747  | 0.707               | 0.691  | 0.681               | 0.701 | 4.4   |  |
| Styrene                     | 0.909  | 1.124               | 1.249  | 1.199               | 1.161  | 1.139               | 1.130 | 10.4  |  |
| Bromoform                   | 0.186  | 0.247               | 0.272  | 0.280               | 0.276  | 0.287               | 0.258 | 14.7  |  |
| Isopropylbenzene            | 3.735  | 4.012               | 4.347  | 4.045               | 3.940  | 4.076               | 4.026 | 4.9   |  |
| 1,1,2,2-Tetrachloroethane   | 1.429  | 1.403               | 1.438  | 1.366               | 1.305  | 1.360               | 1.383 | 3.6   |  |
| 1,3-Dichlorobenzene         | 1.616  | 1.669               | 1.741  | 1.679               | 1.663  | 1.703               | 1.678 | 2.5   |  |
| 1,4-Dichlorobenzene         | 1.662  | 1.712               | 1.762  | 1.686               | 1.660  | 1.701               | 1.697 | 2.2   |  |
| 1,2-Dichlorobenzene         | 1.512  | 1.713               | 1.763  | 1.666               | 1.604  | 1.639               | 1.650 | 5.3   |  |
| 1,2-Dibromo-3-Chloropropane | 0.202  | 0.236               | 0.268  | 0.258               | 0.261  | 0.289               | 0.252 | 11.9  |  |
| 1,2,4-Trichlorobenzene      | 0.860  | 0.934               | 1.013  | 1.013               | 1.057  | 1.112               | 0.998 | 9     |  |
| 1,2,3-Trichlorobenzene      | 0.858  | 0.952               | 1.042  | 1.031               | 1.043  | 1.109               | 1.006 | 8.7   |  |
| 1,2-Dichloroethane-d4       |        | 0.764               | 0.718  | 0.723               | 0.707  | 0.747               | 0.732 | 3.2   |  |
| Dibromofluoromethane        |        | 0.335               | 0.322  | 0.320               | 0.320  | 0.328               | 0.325 | 2     |  |
| Toluene-d8                  |        | 1.239               | 1.249  | 1.239               | 1.208  | 1.212               | 1.229 | 1.5   |  |
| 4-Bromofluorobenzene        |        | 0.404               | 0.410  | 0.431               | 0.415  | 0.412               | 0.414 | 2.5   |  |

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

Method Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\  
 Method File : 82X021025W.M  
 Title : SW846 8260  
 Last Update : Tue Feb 11 03:41:08 2025  
 Response Via : Initial Calibration

## Calibration Files

1 =VX044868.D 5 =VX044869.D 20 =VX044870.D 50 =VX044871.D 100 =VX044872.D 150 =VX044873.D

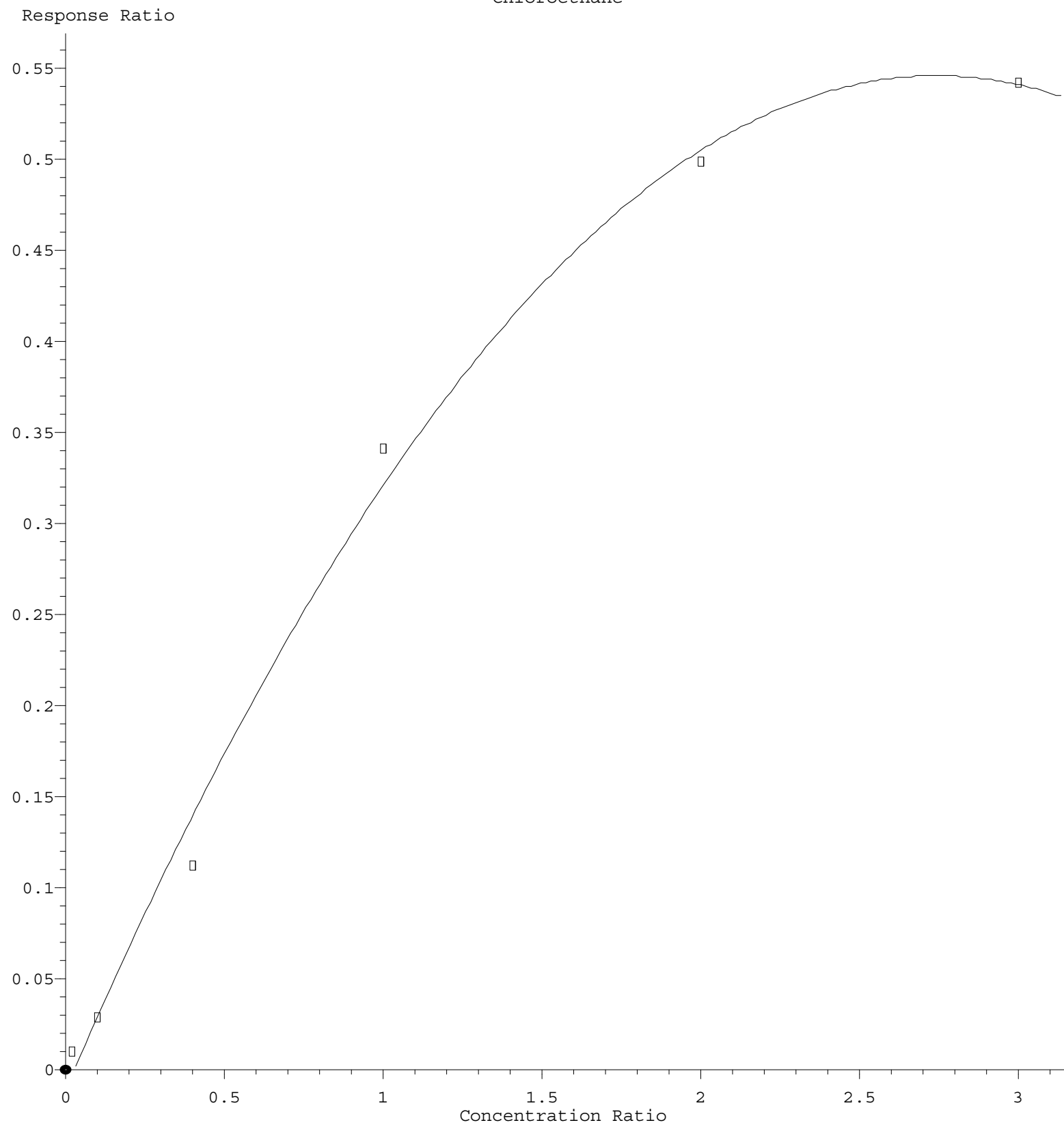
|        | Compound            | 1              | 5     | 20    | 50    | 100   | 150   | Avg   | %RSD  |
|--------|---------------------|----------------|-------|-------|-------|-------|-------|-------|-------|
| 1) I   | Pentafluorobenzene  | -----ISTD----- |       |       |       |       |       |       |       |
| 2) T   | Dichlorodifluo...   | 0.723          | 0.669 | 0.716 | 0.700 | 0.706 | 0.693 | 0.701 | 2.71  |
| 3) P   | Chloromethane       | 0.958          | 0.860 | 0.862 | 0.843 | 0.805 | 0.793 | 0.854 | 6.89  |
| 4) C   | Vinyl Chloride      | 0.839          | 0.846 | 0.847 | 0.808 | 0.807 | 0.814 | 0.827 | 2.33# |
| 5) T   | Bromomethane        |                | 0.248 | 0.252 | 0.249 | 0.242 | 0.246 | 0.247 | 1.44  |
| 6) T   | Chloroethane        | 0.500          | 0.288 | 0.280 | 0.341 | 0.249 | 0.181 | 0.307 | 35.36 |
| 7) T   | Trichlorofluor...   | 1.062          | 1.066 | 1.096 | 1.029 | 1.013 | 1.008 | 1.046 | 3.32  |
| 8) T   | Diethyl Ether       | 0.385          | 0.372 | 0.399 | 0.375 | 0.370 | 0.374 | 0.379 | 2.94  |
| 9) T   | 1,1,2-Trichlor...   | 0.583          | 0.647 | 0.668 | 0.626 | 0.631 | 0.637 | 0.632 | 4.45  |
| 10) T  | Methyl Iodide       |                | 0.752 | 0.864 | 0.847 | 0.819 | 0.813 | 0.819 | 5.22  |
| 11) T  | Tert butyl alc...   |                | 0.148 | 0.138 | 0.136 | 0.128 | 0.129 | 0.136 | 5.92  |
| 12) CM | 1,1-Dichloroet...   | 0.647          | 0.639 | 0.661 | 0.630 | 0.632 | 0.657 | 0.644 | 2.04# |
| 13) T  | Acrolein            |                | 0.143 | 0.131 | 0.141 | 0.139 | 0.145 | 0.140 | 3.99  |
| 14) T  | Allyl chloride      | 1.179          | 1.150 | 1.187 | 1.157 | 1.149 | 1.167 | 1.165 | 1.36  |
| 15) T  | Acrylonitrile       | 0.337          | 0.354 | 0.380 | 0.379 | 0.360 | 0.364 | 0.363 | 4.41  |
| 16) T  | Acetone             | 0.305          | 0.292 | 0.298 | 0.293 | 0.285 | 0.292 | 0.294 | 2.26  |
| 17) T  | Carbon Disulfide    | 1.689          | 1.732 | 1.786 | 1.762 | 1.789 | 1.846 | 1.767 | 3.04  |
| 18) T  | Methyl Acetate      | 0.882          | 0.901 | 0.926 | 0.946 | 0.922 | 0.995 | 0.928 | 4.22  |
| 19) T  | Methyl tert-bu...   | 1.941          | 2.065 | 2.130 | 2.046 | 2.011 | 2.110 | 2.050 | 3.36  |
| 20) T  | Methylene Chlo...   | 0.747          | 0.717 | 0.741 | 0.704 | 0.695 | 0.720 | 0.721 | 2.82  |
| 21) T  | trans-1,2-Dich...   | 0.608          | 0.622 | 0.657 | 0.640 | 0.633 | 0.644 | 0.634 | 2.74  |
| 22) T  | Diisopropyl ether   | 2.049          | 2.187 | 2.322 | 2.245 | 2.185 | 2.233 | 2.203 | 4.12  |
| 23) T  | Vinyl Acetate       | 1.540          | 1.750 | 1.892 | 1.860 | 1.843 | 1.892 | 1.796 | 7.56  |
| 24) P  | 1,1-Dichloroet...   | 1.155          | 1.257 | 1.292 | 1.227 | 1.209 | 1.257 | 1.233 | 3.86  |
| 25) T  | 2-Butanone          | 0.422          | 0.472 | 0.504 | 0.506 | 0.477 | 0.487 | 0.478 | 6.40  |
| 26) T  | 2,2-Dichloropr...   | 0.957          | 0.982 | 1.000 | 0.952 | 0.959 | 1.017 | 0.978 | 2.71  |
| 27) T  | cis-1,2-Dichlo...   | 0.680          | 0.783 | 0.812 | 0.758 | 0.758 | 0.779 | 0.762 | 5.87  |
| 28) T  | Bromochloromet...   | 0.634          | 0.579 | 0.607 | 0.584 | 0.572 | 0.579 | 0.593 | 4.04  |
| 29) T  | Tetrahydrofuran     | 0.299          | 0.310 | 0.335 | 0.329 | 0.313 | 0.317 | 0.317 | 4.13  |
| 30) C  | Chloroform          | 1.167          | 1.209 | 1.268 | 1.169 | 1.153 | 1.208 | 1.196 | 3.53# |
| 31) T  | Cyclohexane         |                | 1.154 | 1.174 | 1.121 | 1.107 | 1.127 | 1.137 | 2.35  |
| 32) T  | 1,1,1-Trichlor...   | 1.014          | 1.003 | 1.051 | 1.005 | 0.984 | 1.028 | 1.014 | 2.26  |
| 33) S  | 1,2-Dichloroet...   |                | 0.764 | 0.718 | 0.723 | 0.707 | 0.747 | 0.732 | 3.17  |
| 34) I  | 1,4-Difluorobenzene | -----ISTD----- |       |       |       |       |       |       |       |
| 35) S  | Dibromofluorom...   |                | 0.335 | 0.322 | 0.320 | 0.320 | 0.328 | 0.325 | 1.98  |
| 36) T  | 1,1-Dichloropr...   | 0.472          | 0.467 | 0.490 | 0.463 | 0.457 | 0.465 | 0.469 | 2.47  |
| 37) T  | Ethyl Acetate       | 0.477          | 0.534 | 0.546 | 0.527 | 0.516 | 0.528 | 0.522 | 4.57  |
| 38) T  | Carbon Tetrach...   | 0.457          | 0.466 | 0.478 | 0.453 | 0.445 | 0.459 | 0.460 | 2.44  |
| 39) T  | Methylcyclohexane   | 0.509          | 0.571 | 0.667 | 0.622 | 0.634 | 0.635 | 0.606 | 9.36  |
| 40) TM | Benzene             | 1.370          | 1.488 | 1.577 | 1.470 | 1.429 | 1.453 | 1.465 | 4.69  |
| 41) T  | Methacrylonitrile   | 0.237          | 0.262 | 0.292 | 0.302 | 0.287 | 0.295 | 0.279 | 8.84  |
| 42) TM | 1,2-Dichloroet...   | 0.417          | 0.465 | 0.502 | 0.472 | 0.462 | 0.482 | 0.467 | 6.08  |
| 43) T  | Isopropyl Acetate   | 0.755          | 0.782 | 0.899 | 0.876 | 0.858 | 0.885 | 0.842 | 7.05  |
| 44) TM | Trichloroethene     | 0.293          | 0.340 | 0.367 | 0.335 | 0.332 | 0.343 | 0.335 | 7.20  |
| 45) C  | 1,2-Dichloropr...   | 0.343          | 0.354 | 0.389 | 0.367 | 0.360 | 0.372 | 0.364 | 4.32# |
| 46) T  | Dibromomethane      | 0.236          | 0.245 | 0.270 | 0.255 | 0.252 | 0.258 | 0.253 | 4.48  |
| 47) T  | Bromodichlorom...   | 0.428          | 0.481 | 0.514 | 0.500 | 0.500 | 0.513 | 0.489 | 6.60  |
| 48) T  | Methyl methacr...   | 0.330          | 0.367 | 0.424 | 0.421 | 0.414 | 0.427 | 0.397 | 10.05 |
| 49) T  | 1,4-Dioxane         | 0.009          | 0.009 | 0.009 | 0.009 | 0.008 | 0.008 | 0.009 | 6.54  |
| 50) S  | Toluene-d8          |                | 1.239 | 1.249 | 1.239 | 1.208 | 1.212 | 1.229 | 1.49  |
| 51) T  | 4-Methyl-2-Pen...   | 0.439          | 0.514 | 0.562 | 0.554 | 0.506 | 0.498 | 0.512 | 8.61  |
| 52) CM | Toluene             | 0.776          | 0.872 | 0.957 | 0.898 | 0.866 | 0.864 | 0.872 | 6.74# |
| 53) T  | t-1,3-Dichloro...   | 0.417          | 0.451 | 0.518 | 0.514 | 0.528 | 0.543 | 0.495 | 10.04 |
| 54) T  | cis-1,3-Dichlo...   | 0.452          | 0.511 | 0.587 | 0.577 | 0.587 | 0.599 | 0.552 | 10.49 |
| 55) T  | 1,1,2-Trichlor...   | 0.307          | 0.342 | 0.362 | 0.341 | 0.331 | 0.329 | 0.335 | 5.44  |
| 56) T  | Ethyl methacry...   | 0.462          | 0.488 | 0.583 | 0.577 | 0.568 | 0.571 | 0.542 | 9.74  |

Method Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\  
 Method File : 82X021025W.M

|     |    |                       |                |       |       |       |       |       |       |       |
|-----|----|-----------------------|----------------|-------|-------|-------|-------|-------|-------|-------|
| 57) | T  | 1,3-Dichloropr...     | 0.531          | 0.586 | 0.641 | 0.605 | 0.579 | 0.578 | 0.587 | 6.13  |
| 58) | T  | 2-Chloroethyl ...     | 0.213          | 0.249 | 0.284 | 0.288 | 0.281 | 0.281 | 0.266 | 11.18 |
| 59) | T  | 2-Hexanone            | 0.313          | 0.360 | 0.406 | 0.404 | 0.369 | 0.362 | 0.369 | 9.31  |
| 60) | T  | Dibromochlorom...     | 0.317          | 0.342 | 0.381 | 0.373 | 0.368 | 0.370 | 0.359 | 6.71  |
| 61) | T  | 1,2-Dibromoethane     | 0.302          | 0.330 | 0.367 | 0.350 | 0.345 | 0.345 | 0.340 | 6.55  |
| 62) | S  | 4-Bromofluorob...     | 0.404          | 0.410 | 0.431 | 0.415 | 0.412 | 0.414 |       | 2.47  |
| 63) | I  | Chlorobenzene-d5      | -----ISTD----- |       |       |       |       |       |       |       |
| 64) | T  | Tetrachloroethene     | 0.306          | 0.311 | 0.343 | 0.310 | 0.307 | 0.314 | 0.315 | 4.43  |
| 65) | PM | Chlorobenzene         | 0.969          | 1.093 | 1.140 | 1.096 | 1.071 | 1.076 | 1.074 | 5.32  |
| 66) | T  | 1,1,1,2-Tetrac...     | 0.302          | 0.338 | 0.365 | 0.354 | 0.355 | 0.360 | 0.346 | 6.76  |
| 67) | C  | Ethyl Benzene         | 1.690          | 1.873 | 2.021 | 1.935 | 1.923 | 1.929 | 1.895 | 5.87# |
| 68) | T  | m/p-Xylenes           | 0.616          | 0.700 | 0.754 | 0.724 | 0.706 | 0.694 | 0.699 | 6.58  |
| 69) | T  | o-Xylene              | 0.661          | 0.721 | 0.747 | 0.707 | 0.691 | 0.681 | 0.701 | 4.36  |
| 70) | T  | Styrene               | 0.909          | 1.124 | 1.249 | 1.199 | 1.161 | 1.139 | 1.130 | 10.38 |
| 71) | P  | Bromoform             | 0.186          | 0.247 | 0.272 | 0.280 | 0.276 | 0.287 | 0.258 | 14.69 |
| 72) | I  | 1,4-Dichlorobenzen... | -----ISTD----- |       |       |       |       |       |       |       |
| 73) | T  | Isopropylbenzene      | 3.735          | 4.012 | 4.347 | 4.045 | 3.940 | 4.076 | 4.026 | 4.95  |
| 74) | T  | N-amyl acetate        | 1.431          | 1.744 | 1.915 | 1.902 | 1.889 | 2.051 | 1.822 | 11.80 |
| 75) | P  | 1,1,2,2-Tetrac...     | 1.429          | 1.403 | 1.438 | 1.366 | 1.305 | 1.360 | 1.383 | 3.61  |
| 76) | T  | 1,2,3-Trichlor...     | 1.046          | 1.153 | 1.141 | 1.106 | 1.085 | 1.120 | 1.109 | 3.53  |
| 77) | T  | Bromobenzene          | 0.847          | 0.920 | 0.978 | 0.911 | 0.897 | 0.923 | 0.913 | 4.65  |
| 78) | T  | n-propylbenzene       | 4.049          | 4.600 | 4.974 | 4.723 | 4.699 | 4.837 | 4.647 | 6.88  |
| 79) | T  | 2-Chlorotoluene       | 2.859          | 2.860 | 3.034 | 2.842 | 2.720 | 2.820 | 2.856 | 3.56  |
| 80) | T  | 1,3,5-Trimethy...     | 2.981          | 3.326 | 3.543 | 3.319 | 3.201 | 3.233 | 3.267 | 5.64  |
| 81) | T  | trans-1,4-Dich...     | 0.346          | 0.417 | 0.437 | 0.457 | 0.498 | 0.431 |       | 13.01 |
| 82) | T  | 4-Chlorotoluene       | 2.958          | 3.156 | 3.320 | 3.193 | 3.116 | 3.214 | 3.160 | 3.81  |
| 83) | T  | tert-Butylbenzene     | 3.097          | 3.350 | 3.539 | 3.312 | 3.236 | 3.296 | 3.305 | 4.38  |
| 84) | T  | 1,2,4-Trimethy...     | 2.687          | 3.252 | 3.535 | 3.359 | 3.220 | 3.295 | 3.225 | 8.87  |
| 85) | T  | sec-Butylbenzene      | 3.692          | 4.025 | 4.421 | 4.146 | 4.102 | 4.169 | 4.093 | 5.80  |
| 86) | T  | p-Isopropyltol...     | 2.844          | 3.229 | 3.546 | 3.402 | 3.325 | 3.401 | 3.291 | 7.37  |
| 87) | T  | 1,3-Dichlorobe...     | 1.616          | 1.669 | 1.741 | 1.679 | 1.663 | 1.703 | 1.678 | 2.49  |
| 88) | T  | 1,4-Dichlorobe...     | 1.662          | 1.712 | 1.762 | 1.686 | 1.660 | 1.701 | 1.697 | 2.22  |
| 89) | T  | n-Butylbenzene        | 2.138          | 2.696 | 3.087 | 3.105 | 3.194 | 3.251 | 2.912 | 14.63 |
| 90) | T  | Hexachloroethane      | 0.533          | 0.589 | 0.629 | 0.615 | 0.643 | 0.689 | 0.616 | 8.53  |
| 91) | T  | 1,2-Dichlorobe...     | 1.512          | 1.713 | 1.763 | 1.666 | 1.604 | 1.639 | 1.650 | 5.30  |
| 92) | T  | 1,2-Dibromo-3-...     | 0.202          | 0.236 | 0.268 | 0.258 | 0.261 | 0.289 | 0.252 | 11.87 |
| 93) | T  | 1,2,4-Trichlor...     | 0.860          | 0.934 | 1.013 | 1.013 | 1.057 | 1.112 | 0.998 | 8.98  |
| 94) | T  | Hexachlorobuta...     | 0.383          | 0.376 | 0.416 | 0.383 | 0.408 | 0.411 | 0.396 | 4.36  |
| 95) | T  | Naphthalene           | 2.824          | 3.432 | 3.879 | 3.752 | 3.771 | 3.991 | 3.608 | 11.84 |
| 96) | T  | 1,2,3-Trichlor...     | 0.858          | 0.952 | 1.042 | 1.031 | 1.043 | 1.109 | 1.006 | 8.75  |

(#) = Out of Range

## Chloroethane



$R = -7.391e-002 A^2 + 4.057e-001 A - 1.083e-002$   
Coef of Det ( $r^2$ ) = 0.995138    Curve Fit: Quadratic  
Method Name:    Z:\voasrv\HPCHEM1\MSVOA X\Method\82X021025W.M  
Calibration Table Last Updated: Tue Feb 11 03:41:08 2025

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021025\  
 Data File : VX044868.D  
 Acq On : 10 Feb 2025 10:25  
 Operator : JC/MD  
 Sample : VSTDICC001  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICC001

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 02/11/2025  
 Supervised By : Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 03:33:22 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 11 03:33:20 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.544  | 168  | 134134   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.757  | 114  | 254149   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.049 | 117  | 218570   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152  | 90733    | 50.000 | ug/l  | 0.00     |

## System Monitoring Compounds

|                           |        |       |          |          |      |         |
|---------------------------|--------|-------|----------|----------|------|---------|
| 33) 1,2-Dichloroethane-d4 | 0.000  | 65    | 0d       | 0.000    | ug/l |         |
| Spiked Amount             | 50.000 | Range | 74 - 125 | Recovery | =    | 0.000%# |
| 35) Dibromofluoromethane  | 0.000  | 113   | 0d       | 0.000    | ug/l |         |
| Spiked Amount             | 50.000 | Range | 75 - 124 | Recovery | =    | 0.000%# |
| 50) Toluene-d8            | 0.000  | 98    | 0d       | 0.000    | ug/l |         |
| Spiked Amount             | 50.000 | Range | 86 - 113 | Recovery | =    | 0.000%# |
| 62) 4-Bromofluorobenzene  | 0.000  | 95    | 0d       | 0.000    | ug/l |         |
| Spiked Amount             | 50.000 | Range | 77 - 121 | Recovery | =    | 0.000%# |

## Target Compounds

|                              |       |     |       |       | Qvalue |    |
|------------------------------|-------|-----|-------|-------|--------|----|
| 2) Dichlorodifluoromethane   | 1.160 | 85  | 1939m | 1.031 | ug/l   |    |
| 3) Chloromethane             | 1.307 | 50  | 2571  | 1.123 | ug/l   | 94 |
| 4) Vinyl Chloride            | 1.374 | 62  | 2252  | 1.015 | ug/l   | 96 |
| 6) Chloroethane              | 1.666 | 64  | 1341  | 2.592 | ug/l   | 91 |
| 7) Trichlorofluoromethane    | 1.874 | 101 | 2849  | 1.016 | ug/l   | 88 |
| 8) Diethyl Ether             | 2.130 | 74  | 1032  | 1.014 | ug/l # | 37 |
| 9) 1,1,2-Trichlorotrifluo... | 2.325 | 101 | 1564  | 0.923 | ug/l # | 88 |
| 12) 1,1-Dichloroethene       | 2.307 | 96  | 1737  | 1.005 | ug/l   | 85 |
| 14) Allyl chloride           | 2.654 | 41  | 3164  | 1.013 | ug/l   | 90 |
| 15) Acrylonitrile            | 3.069 | 53  | 4527  | 4.655 | ug/l   | 95 |
| 16) Acetone                  | 2.380 | 43  | 4095  | 5.188 | ug/l   | 92 |
| 17) Carbon Disulfide         | 2.502 | 76  | 4531  | 0.956 | ug/l # | 88 |
| 18) Methyl Acetate           | 2.697 | 43  | 2367  | 0.950 | ug/l   | 95 |
| 19) Methyl tert-butyl Ether  | 3.117 | 73  | 5206  | 0.946 | ug/l # | 87 |
| 20) Methylene Chloride       | 2.782 | 84  | 2005  | 1.037 | ug/l # | 90 |
| 21) trans-1,2-Dichloroethene | 3.087 | 96  | 1631  | 0.959 | ug/l   | 96 |
| 22) Diisopropyl ether        | 3.764 | 45  | 5496  | 0.930 | ug/l # | 75 |
| 23) Vinyl Acetate            | 3.727 | 43  | 20663 | 4.288 | ug/l   | 99 |
| 24) 1,1-Dichloroethane       | 3.605 | 63  | 3099  | 0.937 | ug/l # | 93 |
| 25) 2-Butanone               | 4.587 | 43  | 5660  | 4.416 | ug/l   | 93 |
| 26) 2,2-Dichloropropane      | 4.471 | 77  | 2566  | 0.978 | ug/l   | 76 |
| 27) cis-1,2-Dichloroethene   | 4.489 | 96  | 1825  | 0.893 | ug/l   | 91 |
| 28) Bromochloromethane       | 4.910 | 49  | 1702  | 1.071 | ug/l # | 75 |
| 29) Tetrahydrofuran          | 5.026 | 42  | 4014  | 4.716 | ug/l   | 99 |
| 30) Chloroform               | 5.093 | 83  | 3132  | 0.976 | ug/l   | 94 |
| 32) 1,1,1-Trichloroethane    | 5.379 | 97  | 2721  | 1.000 | ug/l # | 50 |
| 36) 1,1-Dichloropropene      | 5.684 | 75  | 2399  | 1.006 | ug/l   | 94 |
| 37) Ethyl Acetate            | 4.721 | 43  | 2426m | 0.915 | ug/l   |    |
| 38) Carbon Tetrachloride     | 5.666 | 117 | 2322  | 0.994 | ug/l # | 74 |
| 39) Methylcyclohexane        | 7.379 | 83  | 2589  | 0.840 | ug/l   | 96 |
| 40) Benzene                  | 6.038 | 78  | 6963  | 0.935 | ug/l   | 94 |
| 41) Methacrylonitrile        | 4.958 | 41  | 1205m | 0.849 | ug/l   |    |
| 42) 1,2-Dichloroethane       | 6.099 | 62  | 2120  | 0.894 | ug/l   | 84 |
| 43) Isopropyl Acetate        | 6.355 | 43  | 3839  | 0.897 | ug/l # | 88 |
| 44) Trichloroethene          | 7.135 | 130 | 1487  | 0.874 | ug/l   | 76 |
| 45) 1,2-Dichloropropane      | 7.440 | 63  | 1746  | 0.943 | ug/l # | 86 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021025\  
 Data File : VX044868.D  
 Acq On : 10 Feb 2025 10:25  
 Operator : JC/MD  
 Sample : VSTDICC001  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 3 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICC001

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 02/11/2025  
 Supervised By : Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 03:33:22 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 11 03:33:20 2025  
 Response via : Initial Calibration

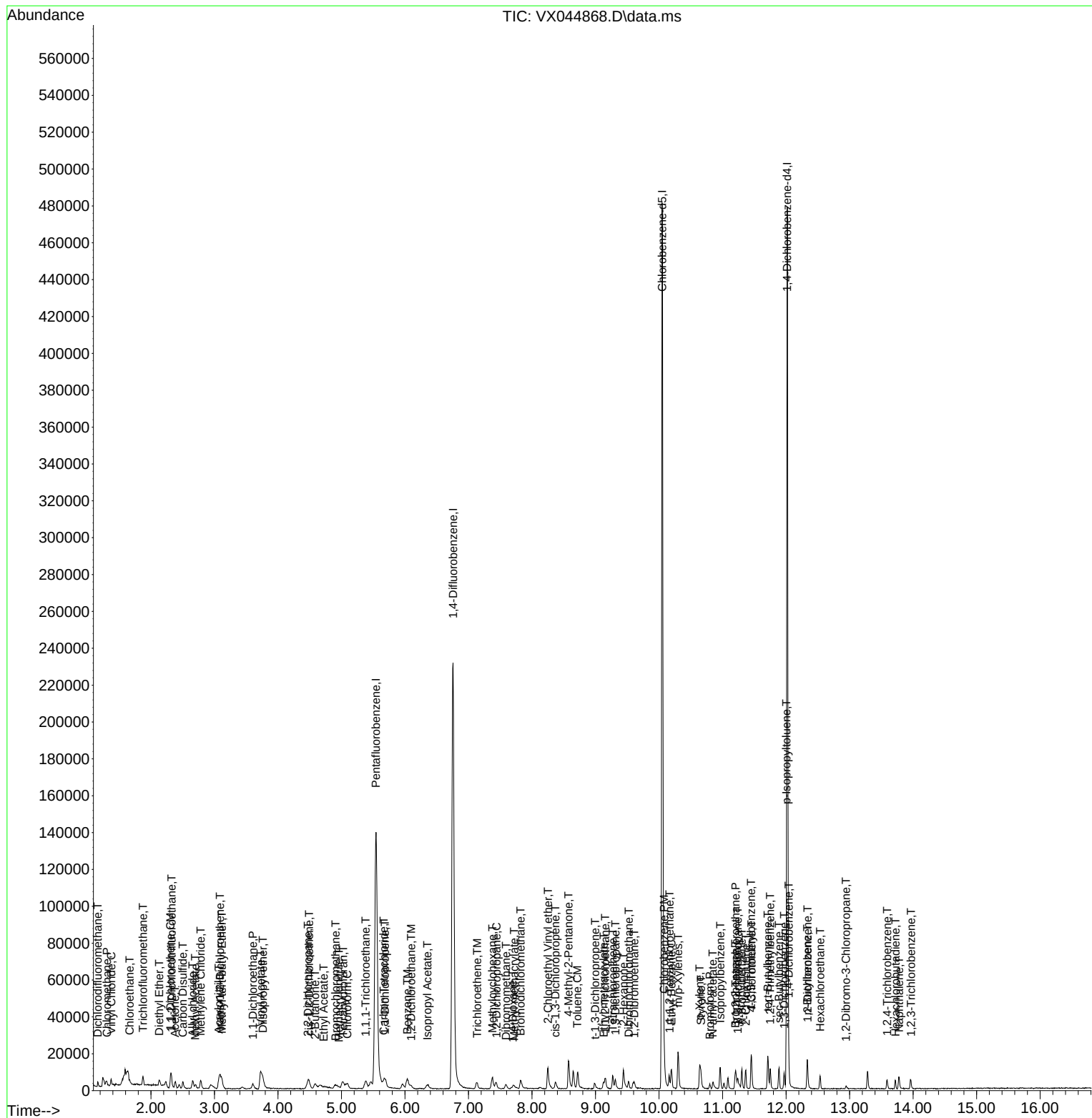
| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 46) Dibromomethane            | 7.592  | 93   | 1202     | 0.936  | ug/l   | 95       |
| 47) Bromodichloromethane      | 7.818  | 83   | 2176     | 0.875  | ug/l   | 93       |
| 48) Methyl methacrylate       | 7.720  | 41   | 1675     | 0.830  | ug/l   | 92       |
| 49) 1,4-Dioxane               | 7.696  | 88   | 867      | 20.015 | ug/l # | 85       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 11169    | 4.290  | ug/l   | 96       |
| 52) Toluene                   | 8.714  | 92   | 3943     | 0.889  | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 8.994  | 75   | 2119     | 0.842  | ug/l   | 90       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 2300     | 0.820  | ug/l # | 86       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 1558     | 0.914  | ug/l # | 86       |
| 56) Ethyl methacrylate        | 9.128  | 69   | 2346     | 0.852  | ug/l # | 84       |
| 57) 1,3-Dichloropropane       | 9.311  | 76   | 2699     | 0.905  | ug/l   | 95       |
| 58) 2-Chloroethyl Vinyl ether | 8.251  | 63   | 5401     | 3.996  | ug/l   | 97       |
| 59) 2-Hexanone                | 9.439  | 43   | 7952     | 4.240  | ug/l   | 95       |
| 60) Dibromochloromethane      | 9.525  | 129  | 1613     | 0.885  | ug/l   | 96       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 1534     | 0.888  | ug/l   | 97       |
| 64) Tetrachloroethene         | 9.275  | 164  | 1339     | 0.971  | ug/l   | 91       |
| 65) Chlorobenzene             | 10.080 | 112  | 4234     | 0.902  | ug/l   | 93       |
| 66) 1,1,1,2-Tetrachloroethane | 10.165 | 131  | 1320     | 0.874  | ug/l # | 64       |
| 67) Ethyl Benzene             | 10.195 | 91   | 7388     | 0.892  | ug/l   | 98       |
| 68) m/p-Xylenes               | 10.299 | 106  | 5387     | 1.763  | ug/l   | 100      |
| 69) o-Xylene                  | 10.640 | 106  | 2889     | 0.942  | ug/l   | 97       |
| 70) Styrene                   | 10.659 | 104  | 3974     | 0.804  | ug/l   | 97       |
| 71) Bromoform                 | 10.799 | 173  | 813      | 0.721  | ug/l # | 95       |
| 73) Isopropylbenzene          | 10.964 | 105  | 6778     | 0.928  | ug/l   | 99       |
| 74) N-amyl acetate            | 10.848 | 43   | 2596     | 0.785  | ug/l   | 95       |
| 75) 1,1,2,2-Tetrachloroethane | 11.207 | 83   | 2594     | 1.033  | ug/l   | 94       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 1898m    | 0.943  | ug/l   |          |
| 77) Bromobenzene              | 11.201 | 156  | 1537     | 0.928  | ug/l   | 90       |
| 78) n-propylbenzene           | 11.305 | 91   | 7347     | 0.871  | ug/l   | 98       |
| 79) 2-Chlorotoluene           | 11.366 | 91   | 5188     | 1.001  | ug/l   | 96       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 5410     | 0.913  | ug/l   | 98       |
| 82) 4-Chlorotoluene           | 11.457 | 91   | 5367     | 0.936  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 5620     | 0.937  | ug/l   | 96       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 4876     | 0.833  | ug/l   | 88       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 6700     | 0.902  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 5161     | 0.864  | ug/l   | 90       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 2933     | 0.963  | ug/l   | 97       |
| 88) 1,4-Dichlorobenzene       | 12.043 | 146  | 3016m    | 0.979  | ug/l   |          |
| 89) n-Butylbenzene            | 12.335 | 91   | 3880     | 0.734  | ug/l   | 93       |
| 90) Hexachloroethane          | 12.536 | 117  | 968      | 0.866  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene       | 12.341 | 146  | 2744     | 0.917  | ug/l   | 96       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 367      | 0.801  | ug/l   | 95       |
| 93) 1,2,4-Trichlorobenzene    | 13.591 | 180  | 1560     | 0.861  | ug/l   | 86       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 695      | 0.966  | ug/l   | 99       |
| 95) Naphthalene               | 13.780 | 128  | 5125     | 0.783  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 13.969 | 180  | 1557     | 0.853  | ug/l   | 93       |

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

**Instrument :**  
MSVOA\_X  
**ClientSampleId :**  
VSTDICC001

## Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025  
Supervised By :Mahesh Dadoda 02/11/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021025\  
 Data File : VX044869.D  
 Acq On : 10 Feb 2025 10:48  
 Operator : JC/MD  
 Sample : VSTDICC005  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICC005

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 02/11/2025  
 Supervised By : Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 03:36:35 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 11 03:33:20 2025  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| -----                        |                |      |            |          |        |          |
| Internal Standards           |                |      |            |          |        |          |
| 1) Pentafluorobenzene        | 5.544          | 168  | 136105     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.757          | 114  | 253314     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.049         | 117  | 218625     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.018         | 152  | 95494      | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.952          | 65   | 10397      | 5.219    | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = | 10.440%# |        |          |
| 35) Dibromofluoromethane     | 5.385          | 113  | 8482       | 5.150    | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 10.300%# |        |          |
| 50) Toluene-d8               | 8.647          | 98   | 31381      | 5.039    | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = | 10.080%# |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 10229      | 4.872    | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 77 - 121 |      | Recovery = | 9.740%#  |        |          |
| Target Compounds             |                |      |            |          |        |          |
|                              |                |      |            |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.166          | 85   | 9109       | 4.772    | ug/l   | 94       |
| 3) Chloromethane             | 1.301          | 50   | 11711      | 5.041    | ug/l   | 97       |
| 4) Vinyl Chloride            | 1.374          | 62   | 11509      | 5.113    | ug/l   | 94       |
| 5) Bromomethane              | 1.593          | 94   | 3371       | 5.005    | ug/l   | 89       |
| 6) Chloroethane              | 1.660          | 64   | 3918m      | 4.973    | ug/l   |          |
| 7) Trichlorofluoromethane    | 1.868          | 101  | 14506      | 5.096    | ug/l   | 100      |
| 8) Diethyl Ether             | 2.136          | 74   | 5062       | 4.904    | ug/l   | 90       |
| 9) 1,1,2-Trichlorotrifluo... | 2.319          | 101  | 8805       | 5.120    | ug/l   | 98       |
| 10) Methyl Iodide            | 2.447          | 142  | 10233      | 4.591    | ug/l   | 99       |
| 11) Tert butyl alcohol       | 2.983          | 59   | 10044      | 27.175   | ug/l   | 100      |
| 12) 1,1-Dichloroethene       | 2.307          | 96   | 8692       | 4.955    | ug/l   | 95       |
| 13) Acrolein                 | 2.239          | 56   | 9750       | 25.567   | ug/l   | 98       |
| 14) Allyl chloride           | 2.660          | 41   | 15649      | 4.936    | ug/l   | 98       |
| 15) Acrylonitrile            | 3.062          | 53   | 24101      | 24.422   | ug/l   | 98       |
| 16) Acetone                  | 2.386          | 43   | 19877      | 24.817   | ug/l   | 99       |
| 17) Carbon Disulfide         | 2.502          | 76   | 23568      | 4.899    | ug/l   | 98       |
| 18) Methyl Acetate           | 2.703          | 43   | 12257      | 4.850    | ug/l   | 97       |
| 19) Methyl tert-butyl Ether  | 3.111          | 73   | 28100      | 5.034    | ug/l   | 99       |
| 20) Methylene Chloride       | 2.782          | 84   | 9757       | 4.973    | ug/l   | 96       |
| 21) trans-1,2-Dichloroethene | 3.087          | 96   | 8470       | 4.906    | ug/l   | 94       |
| 22) Diisopropyl ether        | 3.757          | 45   | 29768      | 4.963    | ug/l # | 80       |
| 23) Vinyl Acetate            | 3.721          | 43   | 119108     | 24.358   | ug/l   | 98       |
| 24) 1,1-Dichloroethane       | 3.605          | 63   | 17113      | 5.099    | ug/l   | 98       |
| 25) 2-Butanone               | 4.568          | 43   | 32121      | 24.698   | ug/l   | 98       |
| 26) 2,2-Dichloropropane      | 4.459          | 77   | 13365      | 5.022    | ug/l   | 95       |
| 27) cis-1,2-Dichloroethene   | 4.483          | 96   | 10662      | 5.141    | ug/l   | 95       |
| 28) Bromochloromethane       | 4.898          | 49   | 7881       | 4.886    | ug/l # | 96       |
| 29) Tetrahydrofuran          | 5.013          | 42   | 21097      | 24.429   | ug/l   | 98       |
| 30) Chloroform               | 5.087          | 83   | 16449      | 5.054    | ug/l   | 98       |
| 31) Cyclohexane              | 5.464          | 56   | 15705      | 5.076    | ug/l   | 91       |
| 32) 1,1,1-Trichloroethane    | 5.379          | 97   | 13658      | 4.947    | ug/l   | 98       |
| 36) 1,1-Dichloropropene      | 5.684          | 75   | 11835      | 4.981    | ug/l   | 98       |
| 37) Ethyl Acetate            | 4.721          | 43   | 13530      | 5.122    | ug/l   | 99       |
| 38) Carbon Tetrachloride     | 5.672          | 117  | 11797      | 5.066    | ug/l   | 97       |
| 39) Methylcyclohexane        | 7.373          | 83   | 14472      | 4.711    | ug/l   | 96       |
| 40) Benzene                  | 6.038          | 78   | 37687      | 5.079    | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021025\  
 Data File : VX044869.D  
 Acq On : 10 Feb 2025 10:48  
 Operator : JC/MD  
 Sample : VSTDIC005  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC005

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 02/11/2025  
 Supervised By : Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 03:36:35 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 11 03:33:20 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.928  | 41   | 6648     | 4.699   | ug/l   | 96       |
| 42) 1,2-Dichloroethane        | 6.086  | 62   | 11789    | 4.985   | ug/l   | 100      |
| 43) Isopropyl Acetate         | 6.342  | 43   | 19803    | 4.640   | ug/l   | 99       |
| 44) Trichloroethene           | 7.123  | 130  | 8614     | 5.079   | ug/l   | 95       |
| 45) 1,2-Dichloropropane       | 7.428  | 63   | 8976     | 4.863   | ug/l   | 98       |
| 46) Dibromomethane            | 7.586  | 93   | 6210     | 4.851   | ug/l   | 95       |
| 47) Bromodichloromethane      | 7.818  | 83   | 12173    | 4.911   | ug/l   | 94       |
| 48) Methyl methacrylate       | 7.702  | 41   | 9298     | 4.620   | ug/l   | 98       |
| 49) 1,4-Dioxane               | 7.678  | 88   | 4365     | 101.099 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 65064    | 25.076  | ug/l   | 100      |
| 52) Toluene                   | 8.720  | 92   | 22090    | 4.999   | ug/l   | 96       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 11413    | 4.550   | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 12943    | 4.628   | ug/l # | 88       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 8662     | 5.099   | ug/l   | 98       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 12351    | 4.502   | ug/l   | 96       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 14839    | 4.993   | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 31498    | 23.382  | ug/l   | 99       |
| 59) 2-Hexanone                | 9.433  | 43   | 45538    | 24.359  | ug/l   | 99       |
| 60) Dibromochloromethane      | 9.519  | 129  | 8668     | 4.771   | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 8353     | 4.852   | ug/l   | 96       |
| 64) Tetrachloroethene         | 9.269  | 164  | 6803     | 4.934   | ug/l   | 95       |
| 65) Chlorobenzene             | 10.079 | 112  | 23903    | 5.090   | ug/l   | 96       |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 7380     | 4.883   | ug/l   | 97       |
| 67) Ethyl Benzene             | 10.189 | 91   | 40945    | 4.941   | ug/l   | 97       |
| 68) m/p-Xylenes               | 10.299 | 106  | 30627    | 10.019  | ug/l   | 100      |
| 69) o-Xylene                  | 10.640 | 106  | 15761    | 5.139   | ug/l   | 98       |
| 70) Styrene                   | 10.653 | 104  | 24576    | 4.973   | ug/l   | 99       |
| 71) Bromoform                 | 10.799 | 173  | 5391     | 4.779   | ug/l # | 97       |
| 73) Isopropylbenzene          | 10.957 | 105  | 38315    | 4.983   | ug/l   | 100      |
| 74) N-amyl acetate            | 10.842 | 43   | 16653    | 4.786   | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 13394    | 5.069   | ug/l   | 97       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 11011m   | 5.201   | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 8789     | 5.042   | ug/l   | 97       |
| 78) n-propylbenzene           | 11.305 | 91   | 43923    | 4.949   | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 11.360 | 91   | 27311    | 5.007   | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 31761    | 5.090   | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 3303     | 4.013   | ug/l   | 87       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 30138    | 4.994   | ug/l   | 99       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 31992    | 5.068   | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 31053    | 5.042   | ug/l   | 98       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 38437    | 4.917   | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 30835    | 4.905   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 15935    | 4.971   | ug/l   | 95       |
| 88) 1,4-Dichlorobenzene       | 12.036 | 146  | 16347    | 5.043   | ug/l   | 95       |
| 89) n-Butylbenzene            | 12.329 | 91   | 25747    | 4.630   | ug/l   | 97       |
| 90) Hexachloroethane          | 12.536 | 117  | 5620     | 4.775   | ug/l   | 94       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 16362    | 5.193   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.945 | 75   | 2254     | 4.674   | ug/l   | 97       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 8923     | 4.680   | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 13.719 | 225  | 3595     | 4.750   | ug/l   | 99       |
| 95) Naphthalene               | 13.774 | 128  | 32776    | 4.756   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 13.957 | 180  | 9093     | 4.733   | ug/l   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021025\  
Data File : VX044869.D  
Acq On : 10 Feb 2025 10:48  
Operator : JC/MD  
Sample : VSTDICC005  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC005

Manual Integrations  
APPROVED

Reviewed By :John Carlone 02/11/2025  
Supervised By :Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 03:36:35 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
Quant Title : SW846 8260  
QLast Update : Tue Feb 11 03:33:20 2025  
Response via : Initial Calibration

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

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

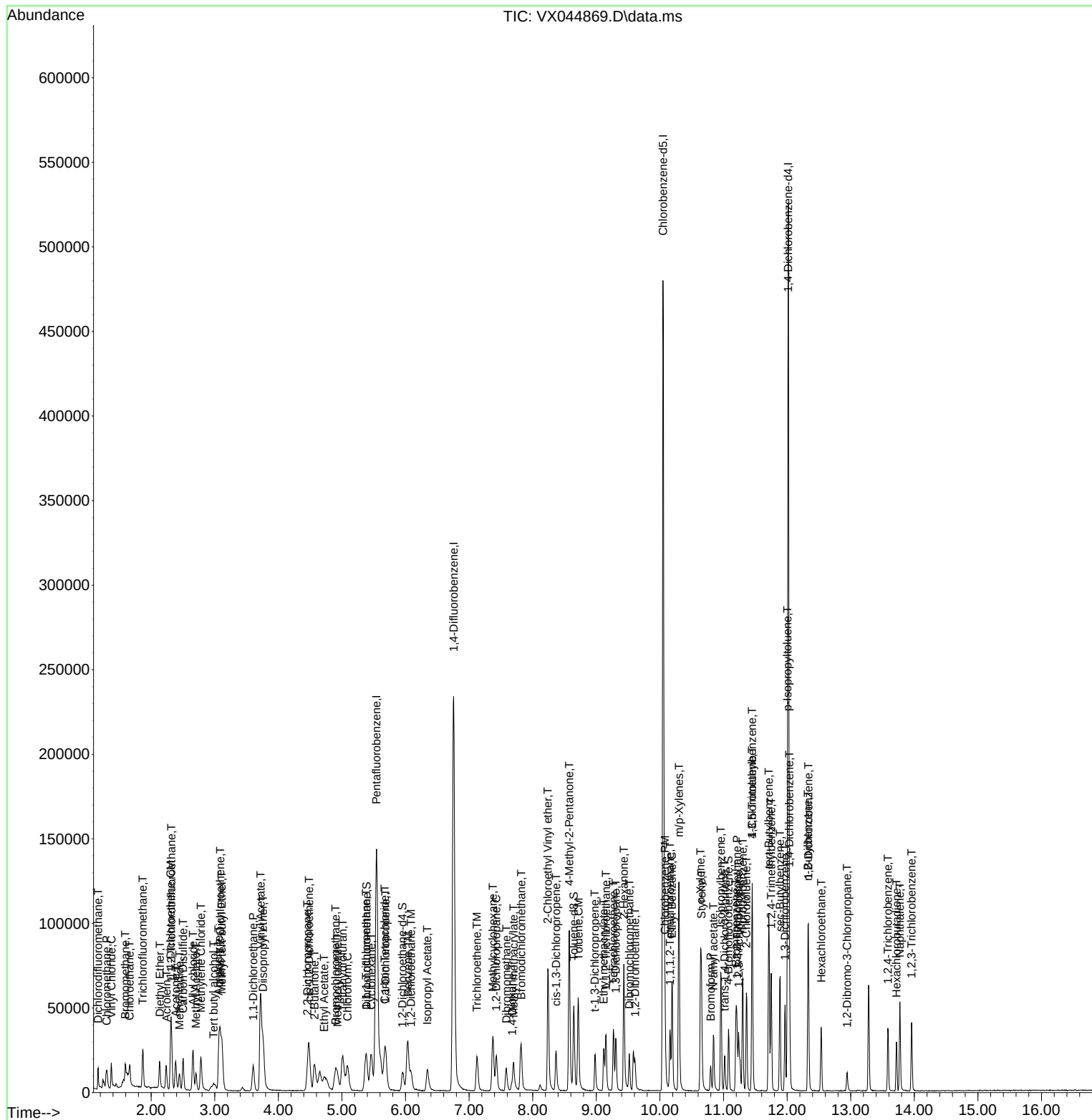
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021025\  
Data File : VX044869.D  
Acq On : 10 Feb 2025 10:48  
Operator : JC/MD  
Sample : VSTDICC005  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 4 Sample Multiplier: 1

**Instrument :**  
MSVOA\_X  
**ClientSampleId :**  
VSTDICC005

## Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025  
Supervised By :Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 03:36:35 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
Quant Title : SW846 8260  
QLast Update : Tue Feb 11 03:33:20 2025  
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021025\  
 Data File : VX044870.D  
 Acq On : 10 Feb 2025 11:11  
 Operator : JC/MD  
 Sample : VSTDIC020  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDIC020

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 02/11/2025  
 Supervised By : Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 02:00:10 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 11 01:47:50 2025  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| -----                        |                |      |            |          |        |          |
| Internal Standards           |                |      |            |          |        |          |
| 1) Pentafluorobenzene        | 5.544          | 168  | 129532     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.757          | 114  | 234445     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.049         | 117  | 207667     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.018         | 152  | 92093      | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.952          | 65   | 37195      | 19.616   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = | 39.240%# |        |          |
| 35) Dibromofluoromethane     | 5.379          | 113  | 30170      | 19.793   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 39.580%# |        |          |
| 50) Toluene-d8               | 8.647          | 98   | 117127     | 20.321   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = | 40.640%# |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 38475      | 19.800   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 77 - 121 |      | Recovery = | 39.600%# |        |          |
| Target Compounds             |                |      |            |          |        |          |
|                              |                |      |            |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.167          | 85   | 37123      | 20.434   | ug/l   | 98       |
| 3) Chloromethane             | 1.301          | 50   | 44666      | 20.200   | ug/l   | 95       |
| 4) Vinyl Chloride            | 1.374          | 62   | 43901      | 20.494   | ug/l   | 99       |
| 5) Bromomethane              | 1.593          | 94   | 13057      | 20.369   | ug/l   | 99       |
| 6) Chloroethane              | 1.660          | 64   | 14523      | 16.522   | ug/l   | 94       |
| 7) Trichlorofluoromethane    | 1.868          | 101  | 56805      | 20.969   | ug/l   | 98       |
| 8) Diethyl Ether             | 2.130          | 74   | 20699      | 21.069   | ug/l   | 99       |
| 9) 1,1,2-Trichlorotrifluo... | 2.319          | 101  | 34593      | 21.135   | ug/l   | 99       |
| 10) Methyl Iodide            | 2.441          | 142  | 44749      | 21.096   | ug/l   | 99       |
| 11) Tert butyl alcohol       | 2.989          | 59   | 35834      | 101.870  | ug/l   | 100      |
| 12) 1,1-Dichloroethene       | 2.307          | 96   | 34270      | 20.526   | ug/l   | 99       |
| 13) Acrolein                 | 2.233          | 56   | 33914      | 93.445   | ug/l   | 99       |
| 14) Allyl chloride           | 2.654          | 41   | 61485      | 20.377   | ug/l   | 98       |
| 15) Acrylonitrile            | 3.063          | 53   | 98518      | 104.896  | ug/l   | 98       |
| 16) Acetone                  | 2.380          | 43   | 77078      | 101.119  | ug/l   | 98       |
| 17) Carbon Disulfide         | 2.502          | 76   | 92552      | 20.216   | ug/l   | 99       |
| 18) Methyl Acetate           | 2.703          | 43   | 47970      | 19.943   | ug/l   | 99       |
| 19) Methyl tert-butyl Ether  | 3.111          | 73   | 110377     | 20.779   | ug/l   | 98       |
| 20) Methylene Chloride       | 2.782          | 84   | 38390      | 20.562   | ug/l   | 99       |
| 21) trans-1,2-Dichloroethene | 3.081          | 96   | 34064      | 20.730   | ug/l   | 92       |
| 22) Diisopropyl ether        | 3.757          | 45   | 120300     | 21.074   | ug/l   | 93       |
| 23) Vinyl Acetate            | 3.715          | 43   | 490239     | 105.341  | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 3.599          | 63   | 66942      | 20.958   | ug/l   | 99       |
| 25) 2-Butanone               | 4.556          | 43   | 130481     | 105.417  | ug/l   | 96       |
| 26) 2,2-Dichloropropane      | 4.471          | 77   | 51803      | 20.451   | ug/l   | 100      |
| 27) cis-1,2-Dichloroethene   | 4.483          | 96   | 42096      | 21.328   | ug/l   | 97       |
| 28) Bromochloromethane       | 4.885          | 49   | 31474      | 20.504   | ug/l   | 99       |
| 29) Tetrahydrofuran          | 5.001          | 42   | 86875      | 105.700  | ug/l   | 99       |
| 30) Chloroform               | 5.087          | 83   | 65721      | 21.217   | ug/l   | 98       |
| 31) Cyclohexane              | 5.458          | 56   | 60814      | 20.653   | ug/l   | 97       |
| 32) 1,1,1-Trichloroethane    | 5.373          | 97   | 54450      | 20.724   | ug/l   | 100      |
| 36) 1,1-Dichloropropene      | 5.684          | 75   | 45991      | 20.913   | ug/l   | 99       |
| 37) Ethyl Acetate            | 4.715          | 43   | 51242      | 20.949   | ug/l   | 99       |
| 38) Carbon Tetrachloride     | 5.666          | 117  | 44802      | 20.790   | ug/l   | 99       |
| 39) Methylcyclohexane        | 7.373          | 83   | 62505      | 21.985   | ug/l   | 98       |
| 40) Benzene                  | 6.031          | 78   | 147912     | 21.540   | ug/l   | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021025\  
 Data File : VX044870.D  
 Acq On : 10 Feb 2025 11:11  
 Operator : JC/MD  
 Sample : VSTDICC020  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICC020

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 02/11/2025  
 Supervised By : Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 02:00:10 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 11 01:47:50 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.916  | 41   | 27347    | 20.887  | ug/l   | 94       |
| 42) 1,2-Dichloroethane        | 6.086  | 62   | 47095    | 21.519  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 6.336  | 43   | 84306    | 21.343  | ug/l   | 99       |
| 44) Trichloroethene           | 7.123  | 130  | 34390    | 21.910  | ug/l   | 96       |
| 45) 1,2-Dichloropropane       | 7.428  | 63   | 36510    | 21.371  | ug/l   | 99       |
| 46) Dibromomethane            | 7.574  | 93   | 25300    | 21.354  | ug/l   | 99       |
| 47) Bromodichloromethane      | 7.818  | 83   | 48202    | 21.012  | ug/l   | 97       |
| 48) Methyl methacrylate       | 7.690  | 41   | 39747    | 21.341  | ug/l   | 100      |
| 49) 1,4-Dioxane               | 7.665  | 88   | 17153    | 429.262 | ug/l   | 99       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 263394   | 109.684 | ug/l   | 99       |
| 52) Toluene                   | 8.714  | 92   | 89726    | 21.940  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 48613    | 20.940  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 55026    | 21.259  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane     | 9.147  | 97   | 33930    | 21.582  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 54674    | 21.533  | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 60079    | 21.841  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 133072   | 106.736 | ug/l   | 100      |
| 59) 2-Hexanone                | 9.427  | 43   | 190449   | 110.072 | ug/l   | 98       |
| 60) Dibromochloromethane      | 9.519  | 129  | 35706    | 21.237  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 9.604  | 107  | 34463    | 21.628  | ug/l   | 100      |
| 64) Tetrachloroethene         | 9.269  | 164  | 28519    | 21.776  | ug/l   | 97       |
| 65) Chlorobenzene             | 10.073 | 112  | 94695    | 21.230  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 30344    | 21.136  | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.189 | 91   | 167865   | 21.327  | ug/l   | 100      |
| 68) m/p-Xylenes               | 10.299 | 106  | 125271   | 43.144  | ug/l   | 99       |
| 69) o-Xylene                  | 10.640 | 106  | 62087    | 21.310  | ug/l   | 97       |
| 70) Styrene                   | 10.653 | 104  | 103740   | 22.101  | ug/l   | 98       |
| 71) Bromoform                 | 10.799 | 173  | 22592    | 21.086  | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.957 | 105  | 160147   | 21.597  | ug/l   | 99       |
| 74) N-amyl acetate            | 10.842 | 43   | 70542    | 21.023  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 52967    | 20.787  | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 42040m   | 20.589  | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 36021    | 21.426  | ug/l   | 97       |
| 78) n-propylbenzene           | 11.299 | 91   | 183212   | 21.406  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 11.360 | 91   | 111782   | 21.250  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 130526   | 21.691  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 15375    | 19.370  | ug/l   | 96       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 122303   | 21.016  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 11.713 | 119  | 130358   | 21.414  | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 130211   | 21.924  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 11.890 | 105  | 162875   | 21.607  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 130643   | 21.551  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 64141    | 20.747  | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 12.037 | 146  | 64889    | 20.758  | ug/l   | 98       |
| 89) n-Butylbenzene            | 12.329 | 91   | 113705   | 21.202  | ug/l   | 100      |
| 90) Hexachloroethane          | 12.536 | 117  | 23153    | 20.398  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 64940    | 21.373  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75   | 9873     | 21.230  | ug/l   | 97       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 37308    | 20.292  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 15312    | 20.979  | ug/l   | 96       |
| 95) Naphthalene               | 13.774 | 128  | 142902   | 21.502  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 13.957 | 180  | 38389    | 20.722  | ug/l   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021025\  
Data File : VX044870.D  
Acq On : 10 Feb 2025 11:11  
Operator : JC/MD  
Sample : VSTDICC020  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC020

Manual Integrations  
APPROVED

Reviewed By :John Carlone 02/11/2025  
Supervised By :Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 02:00:10 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
Quant Title : SW846 8260  
QLast Update : Tue Feb 11 01:47:50 2025  
Response via : Initial Calibration

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021025\  
 Data File : VX044870.D  
 Acq On : 10 Feb 2025 11:11  
 Operator : JC/MD  
 Sample : VSTDIC020  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

## Instrument :

MSVOA\_X

## Client SampleId :

VSTDIC020

## Manual Integrations

## APPROVED

Reviewed By : John Carlone 02/11/2025

Supervised By : Mahesh Dadoda 02/11/2025

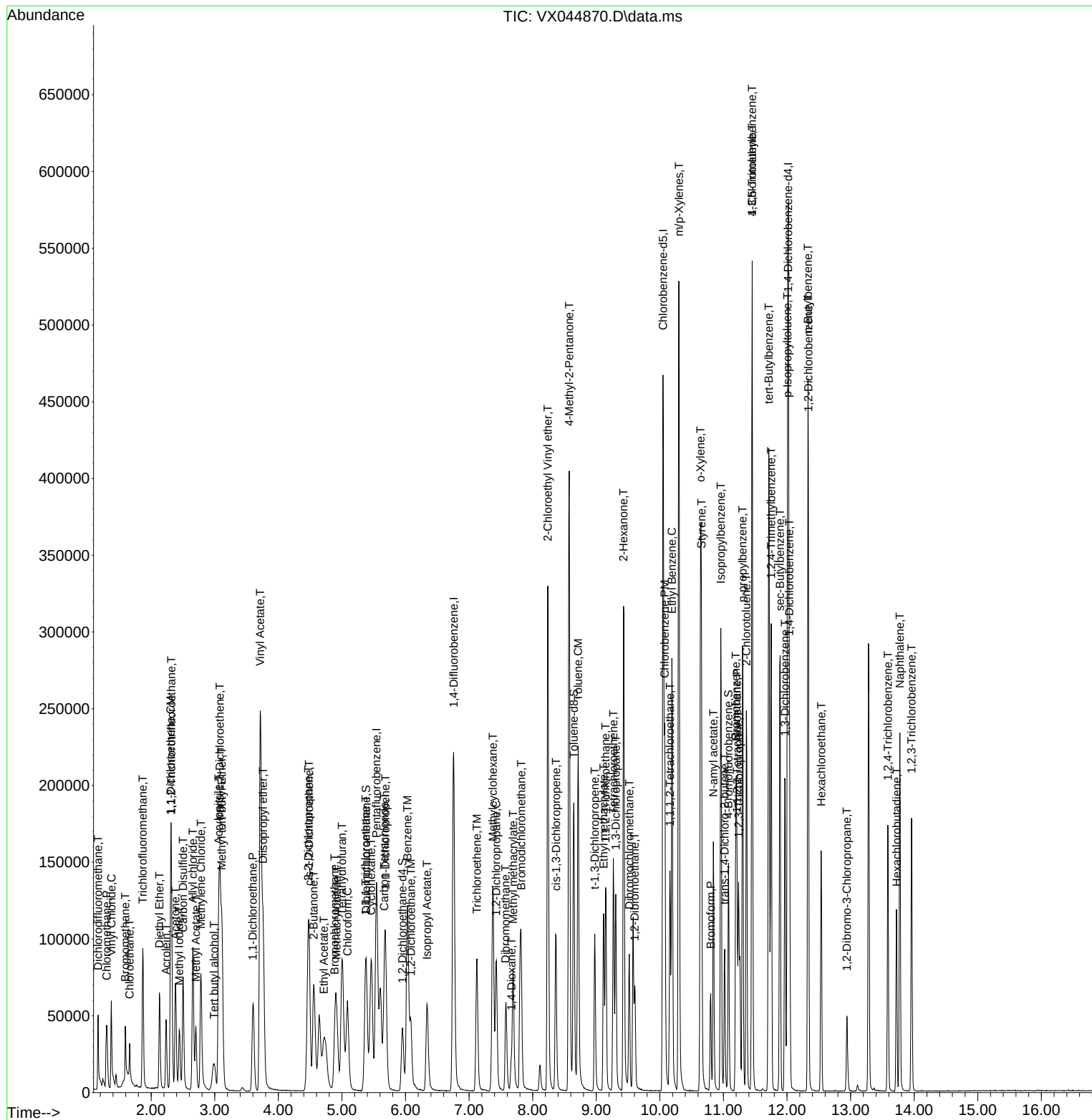
Quant Time: Feb 11 02:00:10 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M

Quant Title : SW846 8260

QLast Update : Tue Feb 11 01:47:50 2025

Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021025\  
 Data File : VX044871.D  
 Acq On : 10 Feb 2025 11:34  
 Operator : JC/MD  
 Sample : VSTDICCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC050

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 02/11/2025  
 Supervised By : Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 02:01:03 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 11 01:47:50 2025  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| -----                        |                |      |            |          |        |          |
| Internal Standards           |                |      |            |          |        |          |
| 1) Pentafluorobenzene        | 5.543          | 168  | 127984     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.757          | 114  | 233736     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.049         | 117  | 204751     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.018         | 152  | 92648      | 50.000   | ug/l   | 0.00     |
|                              |                |      |            |          |        |          |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.946          | 65   | 92593      | 49.424   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = | 98.840%  |        |          |
| 35) Dibromofluoromethane     | 5.379          | 113  | 74906      | 49.291   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 98.580%  |        |          |
| 50) Toluene-d8               | 8.646          | 98   | 289575     | 50.392   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = | 100.780% |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 100798     | 52.031   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 77 - 121 |      | Recovery = | 104.060% |        |          |
|                              |                |      |            |          |        |          |
| Target Compounds             |                |      |            |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.166          | 85   | 89581      | 49.905   | ug/l   | 100      |
| 3) Chloromethane             | 1.300          | 50   | 107836     | 49.359   | ug/l   | 100      |
| 4) Vinyl Chloride            | 1.373          | 62   | 103354     | 48.832   | ug/l   | 100      |
| 5) Bromomethane              | 1.593          | 94   | 31886      | 50.345   | ug/l   | 100      |
| 6) Chloroethane              | 1.666          | 64   | 43657      | 55.583   | ug/l   | 100      |
| 7) Trichlorofluoromethane    | 1.873          | 101  | 131729     | 49.215   | ug/l   | 100      |
| 8) Diethyl Ether             | 2.129          | 74   | 48023      | 49.473   | ug/l   | 100      |
| 9) 1,1,2-Trichlorotrifluo... | 2.318          | 101  | 80068      | 49.511   | ug/l   | 100      |
| 10) Methyl Iodide            | 2.446          | 142  | 108383     | 51.712   | ug/l   | 100      |
| 11) Tert butyl alcohol       | 2.983          | 59   | 87254      | 251.049  | ug/l   | 100      |
| 12) 1,1-Dichloroethene       | 2.312          | 96   | 80672      | 48.904   | ug/l   | 100      |
| 13) Acrolein                 | 2.233          | 56   | 90518      | 252.426  | ug/l   | 100      |
| 14) Allyl chloride           | 2.660          | 41   | 148044     | 49.658   | ug/l   | 100      |
| 15) Acrylonitrile            | 3.062          | 53   | 242268     | 261.074  | ug/l   | 100      |
| 16) Acetone                  | 2.379          | 43   | 187739     | 249.274  | ug/l   | 100      |
| 17) Carbon Disulfide         | 2.501          | 76   | 225511     | 49.853   | ug/l   | 100      |
| 18) Methyl Acetate           | 2.702          | 43   | 121039     | 50.928   | ug/l   | 100      |
| 19) Methyl tert-butyl Ether  | 3.111          | 73   | 261852     | 49.890   | ug/l   | 100      |
| 20) Methylene Chloride       | 2.782          | 84   | 90038      | 48.808   | ug/l   | 100      |
| 21) trans-1,2-Dichloroethene | 3.086          | 96   | 81950      | 50.475   | ug/l   | 100      |
| 22) Diisopropyl ether        | 3.757          | 45   | 287347     | 50.946   | ug/l   | 100      |
| 23) Vinyl Acetate            | 3.714          | 43   | 1190152    | 258.830  | ug/l   | 100      |
| 24) 1,1-Dichloroethane       | 3.605          | 63   | 157003     | 49.749   | ug/l   | 100      |
| 25) 2-Butanone               | 4.556          | 43   | 323510     | 264.528  | ug/l   | 100      |
| 26) 2,2-Dichloropropane      | 4.470          | 77   | 121901     | 48.707   | ug/l   | 100      |
| 27) cis-1,2-Dichloroethene   | 4.483          | 96   | 96965      | 49.721   | ug/l   | 100      |
| 28) Bromochloromethane       | 4.891          | 49   | 74707      | 49.258   | ug/l   | 100      |
| 29) Tetrahydrofuran          | 5.001          | 42   | 210414     | 259.105  | ug/l   | 100      |
| 30) Chloroform               | 5.086          | 83   | 149581     | 48.874   | ug/l   | 100      |
| 31) Cyclohexane              | 5.464          | 56   | 143500     | 49.322   | ug/l   | 100      |
| 32) 1,1,1-Trichloroethane    | 5.373          | 97   | 128561     | 49.523   | ug/l   | 100      |
| 36) 1,1-Dichloropropene      | 5.690          | 75   | 108206     | 49.353   | ug/l   | 100      |
| 37) Ethyl Acetate            | 4.708          | 43   | 123238     | 50.535   | ug/l   | 100      |
| 38) Carbon Tetrachloride     | 5.671          | 117  | 105873     | 49.277   | ug/l   | 100      |
| 39) Methylcyclohexane        | 7.372          | 83   | 145338     | 51.274   | ug/l   | 100      |
| 40) Benzene                  | 6.031          | 78   | 343557     | 50.182   | ug/l   | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021025\  
 Data File : VX044871.D  
 Acq On : 10 Feb 2025 11:34  
 Operator : JC/MD  
 Sample : VSTDICCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC050

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 02/11/2025  
 Supervised By : Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 02:01:03 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 11 01:47:50 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 4.915  | 41   | 70572    | 54.065   | ug/l   | 100      |
| 42) 1,2-Dichloroethane        | 6.080  | 62   | 110347   | 50.573   | ug/l   | 100      |
| 43) Isopropyl Acetate         | 6.336  | 43   | 204703   | 51.981   | ug/l   | 100      |
| 44) Trichloroethene           | 7.122  | 130  | 78274    | 50.020   | ug/l   | 100      |
| 45) 1,2-Dichloropropane       | 7.427  | 63   | 85733    | 50.335   | ug/l   | 100      |
| 46) Dibromomethane            | 7.573  | 93   | 59625    | 50.479   | ug/l   | 100      |
| 47) Bromodichloromethane      | 7.817  | 83   | 116892   | 51.108   | ug/l   | 100      |
| 48) Methyl methacrylate       | 7.689  | 41   | 98519    | 53.057   | ug/l   | 100      |
| 49) 1,4-Dioxane               | 7.659  | 88   | 42094    | 1056.618 | ug/l   | 100      |
| 51) 4-Methyl-2-Pentanone      | 8.573  | 43   | 647283   | 270.364  | ug/l   | 100      |
| 52) Toluene                   | 8.714  | 92   | 210007   | 51.507   | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 120125   | 51.902   | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 8.360  | 75   | 134763   | 52.223   | ug/l   | 100      |
| 55) 1,1,2-Trichloroethane     | 9.146  | 97   | 79741    | 50.876   | ug/l   | 100      |
| 56) Ethyl methacrylate        | 9.116  | 69   | 134975   | 53.319   | ug/l   | 100      |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 141335   | 51.537   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 336412   | 270.652  | ug/l   | 100      |
| 59) 2-Hexanone                | 9.427  | 43   | 472301   | 273.800  | ug/l   | 100      |
| 60) Dibromochloromethane      | 9.518  | 129  | 87240    | 52.045   | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 9.604  | 107  | 81915    | 51.564   | ug/l   | 100      |
| 64) Tetrachloroethene         | 9.268  | 164  | 63537    | 49.206   | ug/l   | 100      |
| 65) Chlorobenzene             | 10.079 | 112  | 224306   | 51.005   | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 10.158 | 131  | 72478    | 51.203   | ug/l   | 100      |
| 67) Ethyl Benzene             | 10.189 | 91   | 396269   | 51.061   | ug/l   | 100      |
| 68) m/p-Xylenes               | 10.299 | 106  | 296507   | 103.573  | ug/l   | 100      |
| 69) o-Xylene                  | 10.640 | 106  | 144802   | 50.409   | ug/l   | 100      |
| 70) Styrene                   | 10.652 | 104  | 245518   | 53.051   | ug/l   | 100      |
| 71) Bromoform                 | 10.799 | 173  | 57417    | 54.352   | ug/l # | 100      |
| 73) Isopropylbenzene          | 10.957 | 105  | 374776   | 50.239   | ug/l   | 100      |
| 74) N-amyl acetate            | 10.841 | 43   | 176174   | 52.189   | ug/l   | 100      |
| 75) 1,1,2,2-Tetrachloroethane | 11.207 | 83   | 126542   | 49.364   | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 11.237 | 75   | 102508m  | 49.903   | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 84448    | 49.931   | ug/l   | 100      |
| 78) n-propylbenzene           | 11.298 | 91   | 437572   | 50.818   | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 11.359 | 91   | 263269   | 49.749   | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 307465   | 50.789   | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 40487    | 50.701   | ug/l   | 100      |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 295844   | 50.531   | ug/l   | 100      |
| 83) tert-Butylbenzene         | 11.713 | 119  | 306830   | 50.102   | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 311205   | 52.085   | ug/l   | 100      |
| 85) sec-Butylbenzene          | 11.890 | 105  | 384155   | 50.657   | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 315226   | 51.689   | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 155575   | 50.021   | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 12.036 | 146  | 156162   | 49.657   | ug/l   | 100      |
| 89) n-Butylbenzene            | 12.329 | 91   | 287649   | 53.315   | ug/l   | 100      |
| 90) Hexachloroethane          | 12.536 | 117  | 56951    | 49.874   | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 154364   | 50.500   | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 12.938 | 75   | 23924    | 51.135   | ug/l   | 100      |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 93863    | 50.747   | ug/l   | 100      |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 35481    | 48.321   | ug/l   | 100      |
| 95) Naphthalene               | 13.774 | 128  | 347645   | 51.995   | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.956 | 180  | 95510    | 51.245   | ug/l   | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021025\  
Data File : VX044871.D  
Acq On : 10 Feb 2025 11:34  
Operator : JC/MD  
Sample : VSTDICCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICCC050

Manual Integrations  
APPROVED

Reviewed By :John Carlone 02/11/2025  
Supervised By :Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 02:01:03 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
Quant Title : SW846 8260  
QLast Update : Tue Feb 11 01:47:50 2025  
Response via : Initial Calibration

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

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

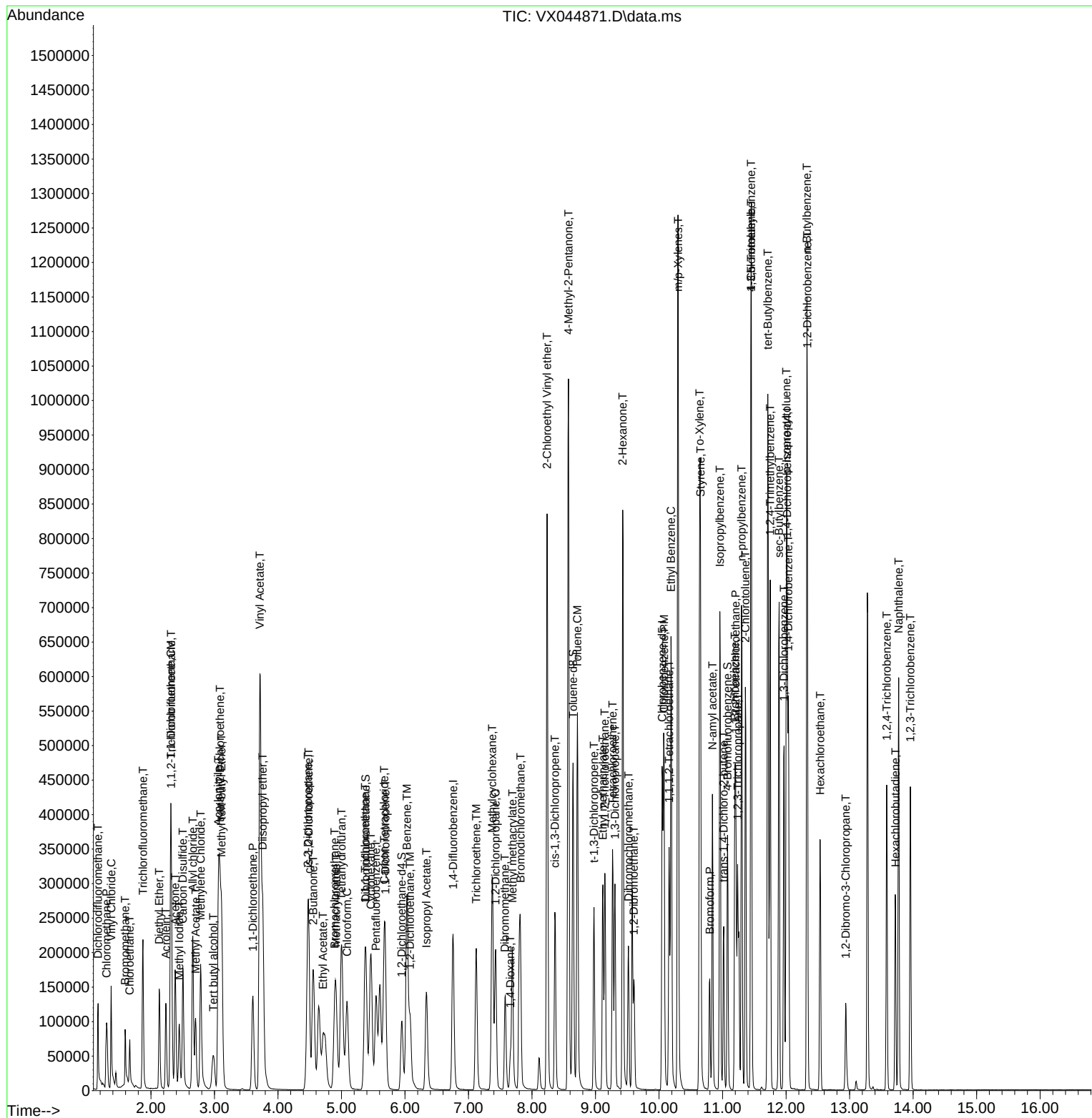
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021025\  
 Data File : VX044871.D  
 Acq On : 10 Feb 2025 11:34  
 Operator : JC/MD  
 Sample : VSTDICCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICCC050

### Manual Integrations APPROVED

Reviewed By : John Carlone 02/11/2025  
 Supervised By : Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 02:01:03 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 11 01:47:50 2025  
 Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021025\  
 Data File : VX044872.D  
 Acq On : 10 Feb 2025 12:05  
 Operator : JC/MD  
 Sample : VSTDICC100  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 7 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICC100

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 02/11/2025  
 Supervised By : Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 02:01:58 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 11 01:47:50 2025  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response             | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|----------------------|---------|--------|----------|
| -----                        |                |      |                      |         |        |          |
| Internal Standards           |                |      |                      |         |        |          |
| 1) Pentafluorobenzene        | 5.544          | 168  | 129508               | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.751          | 114  | 236372               | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.049         | 117  | 203881               | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.018         | 152  | 91371                | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |                      |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.946          | 65   | 183093               | 96.580  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = 193.160%# |         |        |          |
| 35) Dibromofluoromethane     | 5.373          | 113  | 151228               | 98.404  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 196.800%# |         |        |          |
| 50) Toluene-d8               | 8.647          | 98   | 570976               | 98.253  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = 196.500%# |         |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 196066               | 100.079 | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 77 - 121 |      | Recovery = 200.160%# |         |        |          |
| Target Compounds             |                |      |                      |         |        |          |
|                              |                |      |                      |         |        | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.167          | 85   | 182788               | 100.632 | ug/l   | 99       |
| 3) Chloromethane             | 1.301          | 50   | 208416               | 94.275  | ug/l   | 99       |
| 4) Vinyl Chloride            | 1.374          | 62   | 209017               | 97.593  | ug/l   | 100      |
| 5) Bromomethane              | 1.593          | 94   | 62797                | 97.984  | ug/l   | 97       |
| 6) Chloroethane              | 1.660          | 64   | 64581                | 100.253 | ug/l   | 98       |
| 7) Trichlorofluoromethane    | 1.868          | 101  | 262354               | 96.865  | ug/l   | 99       |
| 8) Diethyl Ether             | 2.130          | 74   | 95914                | 97.647  | ug/l   | 97       |
| 9) 1,1,2-Trichlorotrifluo... | 2.313          | 101  | 163414               | 99.860  | ug/l   | 100      |
| 10) Methyl Iodide            | 2.441          | 142  | 212118               | 100.016 | ug/l   | 99       |
| 11) Tert butyl alcohol       | 3.002          | 59   | 165263               | 469.903 | ug/l # | 73       |
| 12) 1,1-Dichloroethene       | 2.307          | 96   | 163593               | 98.004  | ug/l   | 98       |
| 13) Acrolein                 | 2.233          | 56   | 180570               | 497.628 | ug/l   | 99       |
| 14) Allyl chloride           | 2.654          | 41   | 297526               | 98.624  | ug/l   | 98       |
| 15) Acrylonitrile            | 3.063          | 53   | 466855               | 497.173 | ug/l   | 99       |
| 16) Acetone                  | 2.386          | 43   | 369720               | 485.125 | ug/l   | 99       |
| 17) Carbon Disulfide         | 2.502          | 76   | 463308               | 101.216 | ug/l   | 99       |
| 18) Methyl Acetate           | 2.703          | 43   | 238689               | 99.249  | ug/l   | 100      |
| 19) Methyl tert-butyl Ether  | 3.111          | 73   | 521003               | 98.098  | ug/l   | 100      |
| 20) Methylene Chloride       | 2.782          | 84   | 180120               | 96.490  | ug/l   | 99       |
| 21) trans-1,2-Dichloroethene | 3.081          | 96   | 164067               | 99.864  | ug/l   | 95       |
| 22) Diisopropyl ether        | 3.758          | 45   | 565927               | 99.157  | ug/l   | 95       |
| 23) Vinyl Acetate            | 3.715          | 43   | 2387200              | 513.051 | ug/l   | 100      |
| 24) 1,1-Dichloroethane       | 3.599          | 63   | 313164               | 98.064  | ug/l   | 99       |
| 25) 2-Butanone               | 4.550          | 43   | 617283               | 498.801 | ug/l   | 98       |
| 26) 2,2-Dichloropropane      | 4.465          | 77   | 248324               | 98.053  | ug/l   | 100      |
| 27) cis-1,2-Dichloroethene   | 4.477          | 96   | 196381               | 99.513  | ug/l   | 99       |
| 28) Bromochloromethane       | 4.885          | 49   | 148137               | 96.524  | ug/l   | 100      |
| 29) Tetrahydrofuran          | 4.995          | 42   | 405208               | 493.104 | ug/l   | 100      |
| 30) Chloroform               | 5.087          | 83   | 298690               | 96.445  | ug/l   | 99       |
| 31) Cyclohexane              | 5.458          | 56   | 286830               | 97.426  | ug/l   | 99       |
| 32) 1,1,1-Trichloroethane    | 5.373          | 97   | 254941               | 97.050  | ug/l   | 100      |
| 36) 1,1-Dichloropropene      | 5.684          | 75   | 216005               | 97.422  | ug/l   | 100      |
| 37) Ethyl Acetate            | 4.709          | 43   | 244164               | 99.005  | ug/l   | 99       |
| 38) Carbon Tetrachloride     | 5.666          | 117  | 210381               | 96.828  | ug/l   | 97       |
| 39) Methylcyclohexane        | 7.373          | 83   | 299703               | 104.554 | ug/l   | 98       |
| 40) Benzene                  | 6.025          | 78   | 675556               | 97.576  | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021025\  
 Data File : VX044872.D  
 Acq On : 10 Feb 2025 12:05  
 Operator : JC/MD  
 Sample : VSTDICC100  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 7 Sample Multiplier: 1

## Instrument :

MSVOA\_X

## ClientSampleId :

VSTDICC100

## Manual Integrations

## APPROVED

Reviewed By :John Carlone 02/11/2025

Supervised By :Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 02:01:58 2025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M

Quant Title : SW846 8260

QLast Update : Tue Feb 11 01:47:50 2025

Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 4.910  | 41   | 135629   | 102.745  | ug/l   | 99       |
| 42) 1,2-Dichloroethane        | 6.080  | 62   | 218174   | 98.875   | ug/l   | 100      |
| 43) Isopropyl Acetate         | 6.336  | 43   | 405489   | 101.818  | ug/l   | 100      |
| 44) Trichloroethene           | 7.117  | 130  | 156832   | 99.103   | ug/l   | 96       |
| 45) 1,2-Dichloropropane       | 7.422  | 63   | 170337   | 98.893   | ug/l   | 97       |
| 46) Dibromomethane            | 7.574  | 93   | 119149   | 99.747   | ug/l   | 100      |
| 47) Bromodichloromethane      | 7.818  | 83   | 236506   | 102.254  | ug/l   | 97       |
| 48) Methyl methacrylate       | 7.690  | 41   | 195892   | 104.321  | ug/l   | 100      |
| 49) 1,4-Dioxane               | 7.659  | 88   | 77816    | 1931.508 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 1196887  | 494.353  | ug/l   | 100      |
| 52) Toluene                   | 8.714  | 92   | 409318   | 99.270   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 8.970  | 75   | 249725   | 106.694  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 8.360  | 75   | 277371   | 106.287  | ug/l   | 100      |
| 55) 1,1,2-Trichloroethane     | 9.147  | 97   | 156629   | 98.817   | ug/l   | 100      |
| 56) Ethyl methacrylate        | 9.116  | 69   | 268693   | 104.958  | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 273845   | 98.742   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 664198   | 528.405  | ug/l   | 100      |
| 59) 2-Hexanone                | 9.427  | 43   | 871904   | 499.819  | ug/l   | 99       |
| 60) Dibromochloromethane      | 9.519  | 129  | 173848   | 102.557  | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 9.604  | 107  | 162982   | 101.451  | ug/l   | 98       |
| 64) Tetrachloroethene         | 9.269  | 164  | 125294   | 97.447   | ug/l   | 100      |
| 65) Chlorobenzene             | 10.073 | 112  | 436565   | 99.694   | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 144793   | 102.728  | ug/l   | 100      |
| 67) Ethyl Benzene             | 10.189 | 91   | 784184   | 101.477  | ug/l   | 100      |
| 68) m/p-Xylenes               | 10.299 | 106  | 575559   | 201.907  | ug/l   | 99       |
| 69) o-Xylene                  | 10.640 | 106  | 281830   | 98.530   | ug/l   | 100      |
| 70) Styrene                   | 10.653 | 104  | 473403   | 102.728  | ug/l   | 99       |
| 71) Bromoform                 | 10.799 | 173  | 112371   | 106.827  | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.957 | 105  | 719923   | 97.854   | ug/l   | 99       |
| 74) N-amyl acetate            | 10.842 | 43   | 345193   | 103.687  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 11.207 | 83   | 238529   | 94.351   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 198320m  | 97.896   | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 163845   | 98.230   | ug/l   | 100      |
| 78) n-propylbenzene           | 11.299 | 91   | 858793   | 101.132  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 11.360 | 91   | 497149   | 95.257   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 584885   | 97.966   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 83483    | 106.006  | ug/l   | 98       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 569510   | 98.634   | ug/l   | 100      |
| 83) tert-Butylbenzene         | 11.713 | 119  | 591396   | 97.917   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 588385   | 99.851   | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 749534   | 100.219  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 607577   | 101.019  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 303851   | 99.061   | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 12.037 | 146  | 303417   | 97.830   | ug/l   | 99       |
| 89) n-Butylbenzene            | 12.329 | 91   | 583634   | 109.686  | ug/l   | 100      |
| 90) Hexachloroethane          | 12.536 | 117  | 117533   | 104.365  | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 293151   | 97.244   | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75   | 47745    | 103.477  | ug/l   | 100      |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 193214   | 105.921  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 74605    | 103.024  | ug/l   | 99       |
| 95) Naphthalene               | 13.774 | 128  | 689104   | 104.505  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 13.957 | 180  | 190534   | 103.659  | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021025\  
Data File : VX044872.D  
Acq On : 10 Feb 2025 12:05  
Operator : JC/MD  
Sample : VSTDICC100  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 7 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC100

Manual Integrations  
APPROVED

Reviewed By :John Carlone 02/11/2025  
Supervised By :Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 02:01:58 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
Quant Title : SW846 8260  
QLast Update : Tue Feb 11 01:47:50 2025  
Response via : Initial Calibration

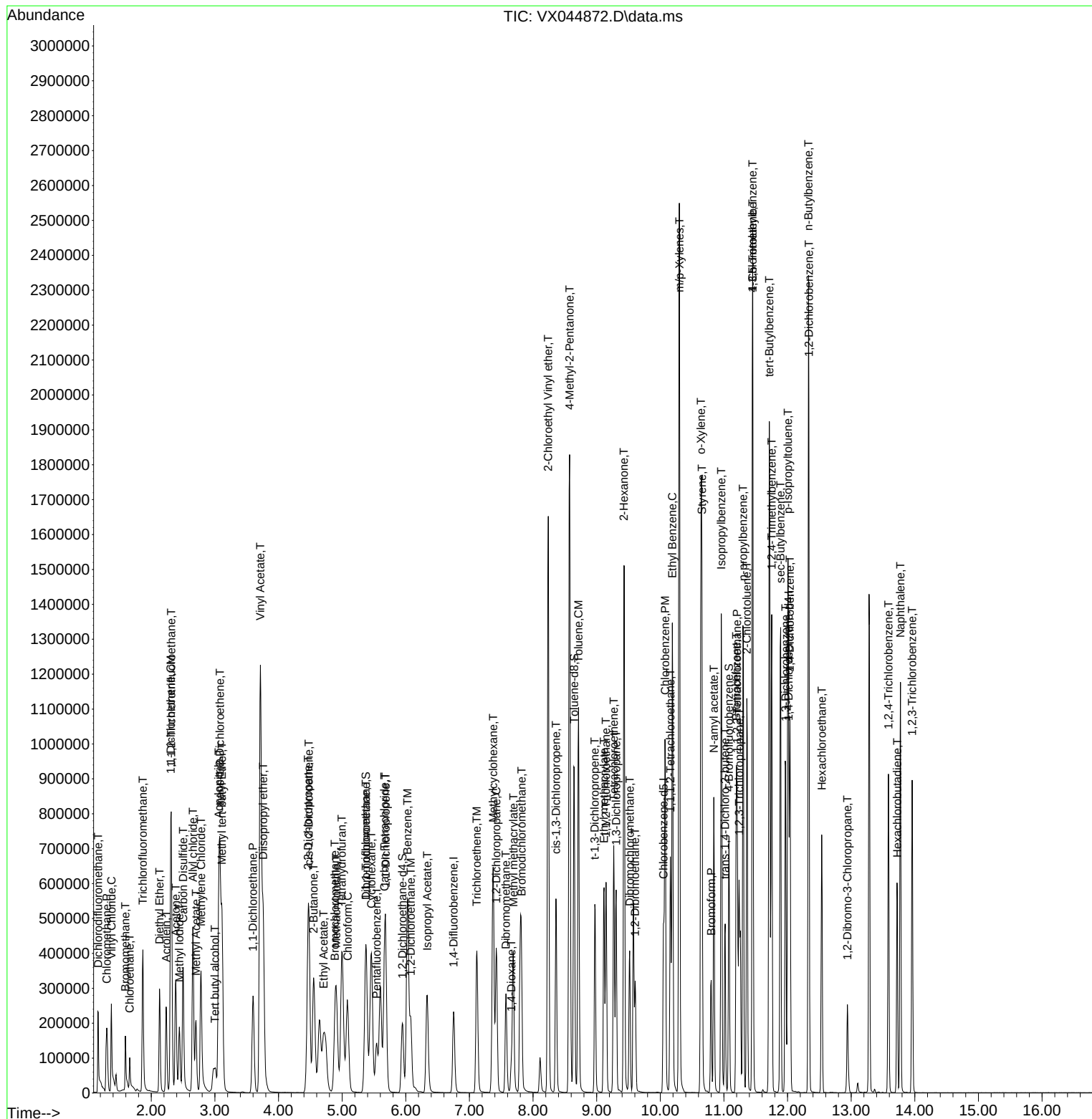
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

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

**Instrument :**  
MSVOA\_X  
**ClientSampleId :**  
VSTDICC100

## Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025  
Supervised By :Mahesh Dadoda 02/11/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021025\  
 Data File : VX044873.D  
 Acq On : 10 Feb 2025 12:28  
 Operator : JC/MD  
 Sample : VSTDICC150  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICC150

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 02/11/2025  
 Supervised By : Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 02:02:51 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 11 01:47:50 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.544  | 168  | 125253   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.757  | 114  | 232597   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.049 | 117  | 196663   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152  | 84836    | 50.000 | ug/l  | # 0.00   |

## System Monitoring Compounds

|                           |        |       |          |          |             |      |
|---------------------------|--------|-------|----------|----------|-------------|------|
| 33) 1,2-Dichloroethane-d4 | 5.946  | 65    | 280853   | 153.180  | ug/l        | 0.00 |
| Spiked Amount             | 50.000 | Range | 74 - 125 | Recovery | = 306.360%# |      |
| 35) Dibromofluoromethane  | 5.379  | 113   | 229218   | 151.572  | ug/l        | 0.00 |
| Spiked Amount             | 50.000 | Range | 75 - 124 | Recovery | = 303.140%# |      |
| 50) Toluene-d8            | 8.647  | 98    | 845632   | 147.877  | ug/l        | 0.00 |
| Spiked Amount             | 50.000 | Range | 86 - 113 | Recovery | = 295.760%# |      |
| 62) 4-Bromofluorobenzene  | 11.079 | 95    | 287486   | 149.124  | ug/l        | 0.00 |
| Spiked Amount             | 50.000 | Range | 77 - 121 | Recovery | = 298.240%# |      |

## Target Compounds

|                              |       |     |         |         |      | Qvalue |
|------------------------------|-------|-----|---------|---------|------|--------|
| 2) Dichlorodifluoromethane   | 1.166 | 85  | 260576  | 148.330 | ug/l | 96     |
| 3) Chloromethane             | 1.307 | 50  | 297968  | 139.361 | ug/l | 100    |
| 4) Vinyl Chloride            | 1.374 | 62  | 305986  | 147.723 | ug/l | 99     |
| 5) Bromomethane              | 1.593 | 94  | 92399   | 149.071 | ug/l | 96     |
| 6) Chloroethane              | 1.660 | 64  | 67889   | 130.289 | ug/l | 97     |
| 7) Trichlorofluoromethane    | 1.867 | 101 | 378664  | 144.558 | ug/l | 99     |
| 8) Diethyl Ether             | 2.136 | 74  | 140428  | 147.822 | ug/l | 100    |
| 9) 1,1,2-Trichlorotrifluo... | 2.319 | 101 | 239215  | 151.147 | ug/l | 100    |
| 10) Methyl Iodide            | 2.441 | 142 | 305390  | 148.887 | ug/l | 100    |
| 11) Tert butyl alcohol       | 3.020 | 59  | 242430  | 712.734 | ug/l | 100    |
| 12) 1,1-Dichloroethene       | 2.306 | 96  | 246987  | 152.989 | ug/l | 99     |
| 13) Acrolein                 | 2.239 | 56  | 273178  | 778.418 | ug/l | 100    |
| 14) Allyl chloride           | 2.654 | 41  | 438493  | 150.289 | ug/l | 97     |
| 15) Acrylonitrile            | 3.068 | 53  | 684234  | 753.423 | ug/l | 99     |
| 16) Acetone                  | 2.386 | 43  | 547939  | 743.398 | ug/l | 99     |
| 17) Carbon Disulfide         | 2.502 | 76  | 693558  | 156.665 | ug/l | 100    |
| 18) Methyl Acetate           | 2.703 | 43  | 373877  | 160.743 | ug/l | 100    |
| 19) Methyl tert-butyl Ether  | 3.117 | 73  | 792810  | 154.347 | ug/l | 100    |
| 20) Methylene Chloride       | 2.782 | 84  | 270575  | 149.871 | ug/l | 100    |
| 21) trans-1,2-Dichloroethene | 3.081 | 96  | 242082  | 152.356 | ug/l | 93     |
| 22) Diisopropyl ether        | 3.757 | 45  | 839126  | 152.020 | ug/l | 98     |
| 23) Vinyl Acetate            | 3.721 | 43  | 3555031 | 789.993 | ug/l | 100    |
| 24) 1,1-Dichloroethane       | 3.605 | 63  | 472424  | 152.959 | ug/l | 99     |
| 25) 2-Butanone               | 4.556 | 43  | 914741  | 764.276 | ug/l | 98     |
| 26) 2,2-Dichloropropane      | 4.471 | 77  | 382167  | 156.029 | ug/l | 98     |
| 27) cis-1,2-Dichloroethene   | 4.477 | 96  | 292864  | 153.446 | ug/l | 99     |
| 28) Bromochloromethane       | 4.891 | 49  | 217387  | 146.458 | ug/l | 98     |
| 29) Tetrahydrofuran          | 5.001 | 42  | 596045  | 749.977 | ug/l | 99     |
| 30) Chloroform               | 5.086 | 83  | 453809  | 151.509 | ug/l | 99     |
| 31) Cyclohexane              | 5.458 | 56  | 423464  | 148.722 | ug/l | 99     |
| 32) 1,1,1-Trichloroethane    | 5.379 | 97  | 386162  | 151.996 | ug/l | 99     |
| 36) 1,1-Dichloropropene      | 5.684 | 75  | 324182  | 148.585 | ug/l | 100    |
| 37) Ethyl Acetate            | 4.715 | 43  | 368763  | 151.956 | ug/l | 99     |
| 38) Carbon Tetrachloride     | 5.672 | 117 | 320536  | 149.921 | ug/l | 98     |
| 39) Methylcyclohexane        | 7.373 | 83  | 443218  | 157.130 | ug/l | 99     |
| 40) Benzene                  | 6.031 | 78  | 1014129 | 148.856 | ug/l | 99     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021025\  
 Data File : VX044873.D  
 Acq On : 10 Feb 2025 12:28  
 Operator : JC/MD  
 Sample : VSTDICC150  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDICC150

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 02/11/2025  
 Supervised By : Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 02:02:51 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 11 01:47:50 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 4.916  | 41   | 206155   | 158.707  | ug/l   | 100      |
| 42) 1,2-Dichloroethane        | 6.080  | 62   | 336520   | 154.984  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 6.336  | 43   | 617516   | 157.575  | ug/l   | 99       |
| 44) Trichloroethene           | 7.117  | 130  | 239030   | 153.496  | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 7.427  | 63   | 259454   | 153.076  | ug/l   | 100      |
| 46) Dibromomethane            | 7.574  | 93   | 179689   | 152.870  | ug/l   | 99       |
| 47) Bromodichloromethane      | 7.818  | 83   | 357623   | 157.128  | ug/l   | 98       |
| 48) Methyl methacrylate       | 7.690  | 41   | 297931   | 161.236  | ug/l   | 99       |
| 49) 1,4-Dioxane               | 7.665  | 88   | 106175   | 2678.192 | ug/l   | 99       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 1736538  | 728.887  | ug/l   | 100      |
| 52) Toluene                   | 8.714  | 92   | 603113   | 148.645  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 378639   | 164.398  | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 8.360  | 75   | 417724   | 162.667  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 9.147  | 97   | 229548   | 147.172  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 398535   | 158.205  | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 403665   | 147.915  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 982120   | 794.010  | ug/l   | 100      |
| 59) 2-Hexanone                | 9.433  | 43   | 1264470  | 736.622  | ug/l   | 99       |
| 60) Dibromochloromethane      | 9.519  | 129  | 258320   | 154.862  | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 9.604  | 107  | 240539   | 152.157  | ug/l   | 99       |
| 64) Tetrachloroethene         | 9.269  | 164  | 184990   | 149.155  | ug/l   | 96       |
| 65) Chlorobenzene             | 10.073 | 112  | 634550   | 150.224  | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 212441   | 156.255  | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.189 | 91   | 1137842  | 152.647  | ug/l   | 100      |
| 68) m/p-Xylenes               | 10.299 | 106  | 818971   | 297.841  | ug/l   | 98       |
| 69) o-Xylene                  | 10.640 | 106  | 401928   | 145.674  | ug/l   | 99       |
| 70) Styrene                   | 10.653 | 104  | 671843   | 151.140  | ug/l   | 98       |
| 71) Bromoform                 | 10.799 | 173  | 169481   | 167.033  | ug/l # | 98       |
| 73) Isopropylbenzene          | 10.957 | 105  | 1037402  | 151.869  | ug/l   | 99       |
| 74) N-amyl acetate            | 10.841 | 43   | 521962   | 168.861  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 346013   | 147.409  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 284934m  | 151.485  | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 234957   | 151.715  | ug/l   | 99       |
| 78) n-propylbenzene           | 11.305 | 91   | 1231079  | 156.140  | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 11.360 | 91   | 717766   | 148.123  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 822707   | 148.415  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 126660   | 173.221  | ug/l   | 98       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 818099   | 152.602  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 838979   | 149.610  | ug/l   | 97       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 838584   | 153.274  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 1061101  | 152.806  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 865491   | 154.987  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 433384   | 152.175  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.036 | 146  | 432987   | 150.362  | ug/l   | 100      |
| 89) n-Butylbenzene            | 12.329 | 91   | 827359   | 167.469  | ug/l   | 100      |
| 90) Hexachloroethane          | 12.536 | 117  | 175414   | 167.760  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 417167   | 149.042  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75   | 73593    | 171.783  | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 283004   | 167.095  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 104674   | 155.682  | ug/l   | 97       |
| 95) Naphthalene               | 13.774 | 128  | 1015801  | 165.916  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.957 | 180  | 282289   | 165.408  | ug/l   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021025\  
Data File : VX044873.D  
Acq On : 10 Feb 2025 12:28  
Operator : JC/MD  
Sample : VSTDICC150  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 8 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDICC150

Manual Integrations  
APPROVED

Reviewed By :John Carlone 02/11/2025  
Supervised By :Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 02:02:51 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
Quant Title : SW846 8260  
QLast Update : Tue Feb 11 01:47:50 2025  
Response via : Initial Calibration

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

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

**Instrument :**  
MSVOA\_X  
**ClientSampleId :**  
VSTDICC150

## Manual Integrations APPROVED

Reviewed By :John Carlone 02/11/2025  
Supervised By :Mahesh Dadoda 02/11/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021025\  
 Data File : VX044875.D  
 Acq On : 10 Feb 2025 13:15  
 Operator : JC/MD  
 Sample : VSTDICV050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ICVVX021025

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 02/11/2025  
 Supervised By : Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 06:02:06 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 11 03:41:08 2025  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| -----                        |                |      |            |          |        |          |
| Internal Standards           |                |      |            |          |        |          |
| 1) Pentafluorobenzene        | 5.544          | 168  | 135936     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.757          | 114  | 245098     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.049         | 117  | 213248     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.018         | 152  | 97087      | 50.000   | ug/l   | 0.00     |
|                              |                |      |            |          |        |          |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.946          | 65   | 95635      | 48.061   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = | 96.120%  |        |          |
| 35) Dibromofluoromethane     | 5.379          | 113  | 78360      | 49.173   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 98.340%  |        |          |
| 50) Toluene-d8               | 8.647          | 98   | 299178     | 49.649   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = | 99.300%  |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 105201     | 51.786   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 77 - 121 |      | Recovery = | 103.580% |        |          |
|                              |                |      |            |          |        |          |
| Target Compounds             |                |      |            |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.166          | 85   | 93752      | 49.173   | ug/l   | 99       |
| 3) Chloromethane             | 1.300          | 50   | 110431     | 47.590   | ug/l   | 98       |
| 4) Vinyl Chloride            | 1.374          | 62   | 105730     | 47.033   | ug/l   | 100      |
| 5) Bromomethane              | 1.593          | 94   | 31428      | 46.719   | ug/l   | 97       |
| 6) Chloroethane              | 1.660          | 64   | 37913      | 42.198   | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 1.867          | 101  | 138044     | 48.558   | ug/l   | 97       |
| 8) Diethyl Ether             | 2.130          | 74   | 49018      | 47.544   | ug/l   | 97       |
| 9) 1,1,2-Trichlorotrifluo... | 2.319          | 101  | 86892      | 50.588   | ug/l   | 98       |
| 10) Methyl Iodide            | 2.447          | 142  | 111488     | 50.082   | ug/l   | 100      |
| 11) Tert butyl alcohol       | 2.983          | 59   | 92949      | 251.791  | ug/l   | 100      |
| 12) 1,1-Dichloroethene       | 2.306          | 96   | 83987      | 47.935   | ug/l   | 95       |
| 13) Acrolein                 | 2.233          | 56   | 91744      | 240.879  | ug/l   | 98       |
| 14) Allyl chloride           | 2.654          | 41   | 155084     | 48.976   | ug/l   | 99       |
| 15) Acrylonitrile            | 3.062          | 53   | 247921     | 251.537  | ug/l   | 99       |
| 16) Acetone                  | 2.379          | 43   | 205743     | 257.198  | ug/l   | 98       |
| 17) Carbon Disulfide         | 2.501          | 76   | 237694     | 49.472   | ug/l   | 100      |
| 18) Methyl Acetate           | 2.703          | 43   | 126015     | 49.920   | ug/l   | 100      |
| 19) Methyl tert-butyl Ether  | 3.111          | 73   | 275685     | 49.453   | ug/l   | 99       |
| 20) Methylene Chloride       | 2.782          | 84   | 94006      | 47.978   | ug/l   | 98       |
| 21) trans-1,2-Dichloroethene | 3.081          | 96   | 84720      | 49.129   | ug/l   | 98       |
| 22) Diisopropyl ether        | 3.757          | 45   | 300357     | 50.138   | ug/l   | 98       |
| 23) Vinyl Acetate            | 3.715          | 43   | 1257431    | 257.465  | ug/l   | 100      |
| 24) 1,1-Dichloroethane       | 3.599          | 63   | 165351     | 49.329   | ug/l   | 99       |
| 25) 2-Butanone               | 4.556          | 43   | 335358     | 258.175  | ug/l   | 97       |
| 26) 2,2-Dichloropropane      | 4.464          | 77   | 133670     | 50.285   | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 4.477          | 96   | 102518     | 49.493   | ug/l   | 99       |
| 28) Bromochloromethane       | 4.891          | 49   | 72893      | 45.250   | ug/l   | 99       |
| 29) Tetrahydrofuran          | 5.001          | 42   | 218496     | 253.318  | ug/l   | 100      |
| 30) Chloroform               | 5.086          | 83   | 157312     | 48.393   | ug/l   | 98       |
| 31) Cyclohexane              | 5.458          | 56   | 152073     | 49.211   | ug/l   | 98       |
| 32) 1,1,1-Trichloroethane    | 5.373          | 97   | 134626     | 48.825   | ug/l   | 100      |
| 36) 1,1-Dichloropropene      | 5.684          | 75   | 111968     | 48.702   | ug/l   | 99       |
| 37) Ethyl Acetate            | 4.708          | 43   | 126071     | 49.300   | ug/l   | 99       |
| 38) Carbon Tetrachloride     | 5.672          | 117  | 110581     | 49.083   | ug/l   | 97       |
| 39) Methylcyclohexane        | 7.372          | 83   | 158289     | 53.254   | ug/l   | 98       |
| 40) Benzene                  | 6.031          | 78   | 358365     | 49.919   | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021025\  
 Data File : VX044875.D  
 Acq On : 10 Feb 2025 13:15  
 Operator : JC/MD  
 Sample : VSTDICV050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ICVVX021025

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 02/11/2025  
 Supervised By : Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 06:02:06 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 11 03:41:08 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 4.910  | 41   | 73559    | 53.741   | ug/l   | 99       |
| 42) 1,2-Dichloroethane        | 6.080  | 62   | 115339   | 50.410   | ug/l   | 100      |
| 43) Isopropyl Acetate         | 6.336  | 43   | 213901   | 51.798   | ug/l   | 100      |
| 44) Trichloroethene           | 7.116  | 130  | 81911    | 49.917   | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 7.427  | 63   | 89992    | 50.387   | ug/l   | 98       |
| 46) Dibromomethane            | 7.580  | 93   | 61360    | 49.540   | ug/l   | 99       |
| 47) Bromodichloromethane      | 7.818  | 83   | 122265   | 50.980   | ug/l   | 99       |
| 48) Methyl methacrylate       | 7.690  | 41   | 102900   | 52.848   | ug/l   | 99       |
| 49) 1,4-Dioxane               | 7.659  | 88   | 42658    | 1021.138 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone      | 8.573  | 43   | 665564   | 265.112  | ug/l   | 100      |
| 52) Toluene                   | 8.714  | 92   | 216682   | 50.680   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 130405   | 53.731   | ug/l   | 97       |
| 54) cis-1,3-Dichloropropene   | 8.360  | 75   | 143379   | 52.986   | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane     | 9.147  | 97   | 83510    | 50.811   | ug/l   | 100      |
| 56) Ethyl methacrylate        | 9.116  | 69   | 143524   | 54.068   | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 146236   | 50.852   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 370622   | 284.352  | ug/l   | 99       |
| 59) 2-Hexanone                | 9.427  | 43   | 488298   | 269.951  | ug/l   | 99       |
| 60) Dibromochloromethane      | 9.518  | 129  | 90826    | 51.673   | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 9.604  | 107  | 85683    | 51.436   | ug/l   | 100      |
| 64) Tetrachloroethene         | 9.268  | 164  | 66468    | 49.424   | ug/l   | 98       |
| 65) Chlorobenzene             | 10.079 | 112  | 233373   | 50.952   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 75488    | 51.205   | ug/l   | 98       |
| 67) Ethyl Benzene             | 10.189 | 91   | 415575   | 51.415   | ug/l   | 99       |
| 68) m/p-Xylenes               | 10.299 | 106  | 310925   | 104.282  | ug/l   | 100      |
| 69) o-Xylene                  | 10.640 | 106  | 151995   | 50.804   | ug/l   | 100      |
| 70) Styrene                   | 10.652 | 104  | 257972   | 53.521   | ug/l   | 100      |
| 71) Bromoform                 | 10.799 | 173  | 59409    | 53.997   | ug/l # | 100      |
| 73) Isopropylbenzene          | 10.957 | 105  | 390246   | 49.921   | ug/l   | 100      |
| 74) N-amyl acetate            | 10.841 | 43   | 186145   | 52.621   | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 11.207 | 83   | 129829   | 48.331   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 106893m  | 49.659   | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 88129    | 49.725   | ug/l   | 100      |
| 78) n-propylbenzene           | 11.299 | 91   | 463655   | 51.386   | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 11.360 | 91   | 272091   | 49.065   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 323251   | 50.956   | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 44070    | 52.665   | ug/l   | 99       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 312112   | 50.872   | ug/l   | 100      |
| 83) tert-Butylbenzene         | 11.713 | 119  | 321772   | 50.139   | ug/l   | 98       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 323035   | 51.593   | ug/l   | 100      |
| 85) sec-Butylbenzene          | 11.890 | 105  | 410197   | 51.617   | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 336027   | 52.581   | ug/l   | 100      |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 164508   | 50.475   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.036 | 146  | 163203   | 49.526   | ug/l   | 100      |
| 89) n-Butylbenzene            | 12.329 | 91   | 311764   | 55.142   | ug/l   | 100      |
| 90) Hexachloroethane          | 12.536 | 117  | 61016    | 50.990   | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 161590   | 50.447   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75   | 25339    | 51.684   | ug/l   | 99       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 102197   | 52.726   | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 13.719 | 225  | 38998    | 50.683   | ug/l   | 98       |
| 95) Naphthalene               | 13.774 | 128  | 371576   | 53.033   | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.957 | 180  | 100730   | 51.575   | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021025\  
Data File : VX044875.D  
Acq On : 10 Feb 2025 13:15  
Operator : JC/MD  
Sample : VSTDICV050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
ICVVX021025

Manual Integrations  
APPROVED

Reviewed By :John Carlone 02/11/2025  
Supervised By :Mahesh Dadoda 02/11/2025

Quant Time: Feb 11 06:02:06 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
Quant Title : SW846 8260  
QLast Update : Tue Feb 11 03:41:08 2025  
Response via : Initial Calibration

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

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

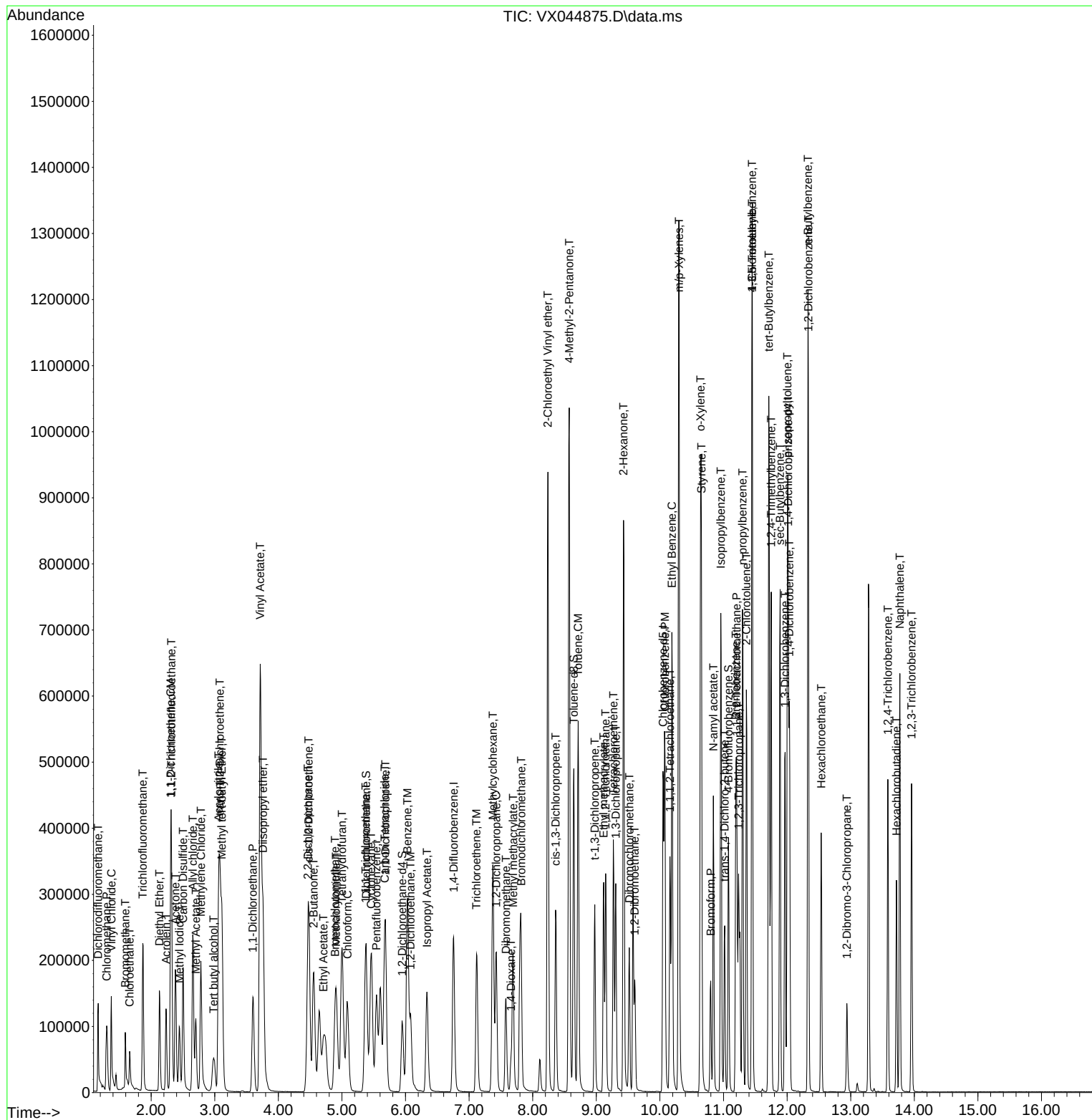
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021025\  
 Data File : VX044875.D  
 Acq On : 10 Feb 2025 13:15  
 Operator : JC/MD  
 Sample : VSTDICV050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ICVVX021025

Quant Time: Feb 11 06:02:06 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 11 03:41:08 2025  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : John Carlone 02/11/2025  
 Supervised By : Mahesh Dadoda 02/11/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021025\  
 Data File : VX044875.D  
 Acq On : 10 Feb 2025 13:15  
 Operator : JC/MD  
 Sample : VSTDICV050  
 Misc : 5.0mL/MSVOA\_X/WATER  
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Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ICVVX021025

Quant Time: Feb 11 06:02:06 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 11 03:41:08 2025  
 Response via : Initial Calibration

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

|       | Compound                    | AvgRF | CCRF  | %Dev  | Area% | Dev(min) |
|-------|-----------------------------|-------|-------|-------|-------|----------|
| 1 I   | Pentafluorobenzene          | 1.000 | 1.000 | 0.0   | 106   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.701 | 0.690 | 1.6   | 105   | 0.00     |
| 3 P   | Chloromethane               | 0.854 | 0.812 | 4.9   | 102   | 0.00     |
| 4 C   | Vinyl Chloride              | 0.827 | 0.778 | 5.9#  | 102   | 0.00     |
| 5 T   | Bromomethane                | 0.247 | 0.231 | 6.5   | 99    | 0.00     |
| 6 T   | Chloroethane                | 0.307 | 0.279 | 9.1   | 87    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 1.046 | 1.016 | 2.9   | 105   | 0.00     |
| 8 T   | Diethyl Ether               | 0.379 | 0.361 | 4.7   | 102   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.632 | 0.639 | -1.1  | 109   | 0.00     |
| 10 T  | Methyl Iodide               | 0.819 | 0.820 | -0.1  | 103   | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.136 | 0.137 | -0.7  | 107   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 0.644 | 0.618 | 4.0#  | 104   | 0.00     |
| 13 T  | Acrolein                    | 0.140 | 0.135 | 3.6   | 101   | 0.00     |
| 14 T  | Allyl chloride              | 1.165 | 1.141 | 2.1   | 105   | 0.00     |
| 15 T  | Acrylonitrile               | 0.363 | 0.365 | -0.6  | 102   | 0.00     |
| 16 T  | Acetone                     | 0.294 | 0.303 | -3.1  | 110   | 0.00     |
| 17 T  | Carbon Disulfide            | 1.767 | 1.749 | 1.0   | 105   | 0.00     |
| 18 T  | Methyl Acetate              | 0.928 | 0.927 | 0.1   | 104   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 2.050 | 2.028 | 1.1   | 105   | 0.00     |
| 20 T  | Methylene Chloride          | 0.721 | 0.692 | 4.0   | 104   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.634 | 0.623 | 1.7   | 103   | 0.00     |
| 22 T  | Diisopropyl ether           | 2.203 | 2.210 | -0.3  | 105   | 0.00     |
| 23 T  | Vinyl Acetate               | 1.796 | 1.850 | -3.0  | 106   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 1.233 | 1.216 | 1.4   | 105   | 0.00     |
| 25 T  | 2-Butanone                  | 0.478 | 0.493 | -3.1  | 104   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 0.978 | 0.983 | -0.5  | 110   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.762 | 0.754 | 1.0   | 106   | 0.00     |
| 28 T  | Bromochloromethane          | 0.593 | 0.536 | 9.6   | 98    | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.317 | 0.321 | -1.3  | 104   | 0.00     |
| 30 C  | Chloroform                  | 1.196 | 1.157 | 3.3#  | 105   | 0.00     |
| 31 T  | Cyclohexane                 | 1.137 | 1.119 | 1.6   | 106   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 1.014 | 0.990 | 2.4   | 105   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.732 | 0.704 | 3.8   | 103   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0   | 105   | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.325 | 0.320 | 1.5   | 105   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.469 | 0.457 | 2.6   | 103   | 0.00     |
| 37 T  | Ethyl Acetate               | 0.522 | 0.514 | 1.5   | 102   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.460 | 0.451 | 2.0   | 104   | 0.00     |
| 39 T  | Methylcyclohexane           | 0.606 | 0.646 | -6.6  | 109   | 0.00     |
| 40 TM | Benzene                     | 1.465 | 1.462 | 0.2   | 104   | 0.00     |
| 41 T  | Methacrylonitrile           | 0.279 | 0.300 | -7.5  | 104   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.467 | 0.471 | -0.9  | 105   | 0.00     |
| 43 T  | Isopropyl Acetate           | 0.842 | 0.873 | -3.7  | 104   | 0.00     |
| 44 TM | Trichloroethene             | 0.335 | 0.334 | 0.3   | 105   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.364 | 0.367 | -0.8# | 105   | 0.00     |
| 46 T  | Dibromomethane              | 0.253 | 0.250 | 1.2   | 103   | 0.00     |
| 47 T  | Bromodichloromethane        | 0.489 | 0.499 | -2.0  | 105   | 0.00     |
| 48 T  | Methyl methacrylate         | 0.397 | 0.420 | -5.8  | 104   | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021025\  
 Data File : VX044875.D  
 Acq On : 10 Feb 2025 13:15  
 Operator : JC/MD  
 Sample : VSTDICV050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ICSVVX021025

Quant Time: Feb 11 06:02:06 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 11 03:41:08 2025  
 Response via : Initial Calibration

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

|       | Compound                    | AvgRF | CCRF  | %Dev  | Area% | Dev(min) |
|-------|-----------------------------|-------|-------|-------|-------|----------|
| 49 T  | 1,4-Dioxane                 | 0.009 | 0.009 | 0.0   | 101   | 0.00     |
| 50 S  | Toluene-d8                  | 1.229 | 1.221 | 0.7   | 103   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.512 | 0.543 | -6.1  | 103   | 0.00     |
| 52 CM | Toluene                     | 0.872 | 0.884 | -1.4# | 103   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.495 | 0.532 | -7.5  | 109   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.552 | 0.585 | -6.0  | 106   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.335 | 0.341 | -1.8  | 105   | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.542 | 0.586 | -8.1  | 106   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.587 | 0.597 | -1.7  | 103   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.266 | 0.302 | -13.5 | 110   | 0.00     |
| 59 T  | 2-Hexanone                  | 0.369 | 0.398 | -7.9  | 103   | 0.00     |
| 60 T  | Dibromochloromethane        | 0.359 | 0.371 | -3.3  | 104   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.340 | 0.350 | -2.9  | 105   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.414 | 0.429 | -3.6  | 104   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0   | 104   | 0.00     |
| 64 T  | Tetrachloroethene           | 0.315 | 0.312 | 1.0   | 105   | 0.00     |
| 65 PM | Chlorobenzene               | 1.074 | 1.094 | -1.9  | 104   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.346 | 0.354 | -2.3  | 104   | 0.00     |
| 67 C  | Ethyl Benzene               | 1.895 | 1.949 | -2.8# | 105   | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.699 | 0.729 | -4.3  | 105   | 0.00     |
| 69 T  | o-Xylene                    | 0.701 | 0.713 | -1.7  | 105   | 0.00     |
| 70 T  | Styrene                     | 1.130 | 1.210 | -7.1  | 105   | 0.00     |
| 71 P  | Bromoform                   | 0.258 | 0.279 | -8.1  | 103   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0   | 105   | 0.00     |
| 73 T  | Isopropylbenzene            | 4.026 | 4.020 | 0.1   | 104   | 0.00     |
| 74 T  | N-amyl acetate              | 1.822 | 1.917 | -5.2  | 106   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 1.383 | 1.337 | 3.3   | 103   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 1.109 | 1.101 | 0.7   | 104   | 0.00     |
| 77 T  | Bromobenzene                | 0.913 | 0.908 | 0.5   | 104   | 0.00     |
| 78 T  | n-propylbenzene             | 4.647 | 4.776 | -2.8  | 106   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.856 | 2.803 | 1.9   | 103   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 3.267 | 3.329 | -1.9  | 105   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.431 | 0.454 | -5.3  | 109   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 3.160 | 3.215 | -1.7  | 105   | 0.00     |
| 83 T  | tert-Butylbenzene           | 3.305 | 3.314 | -0.3  | 105   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 3.225 | 3.327 | -3.2  | 104   | 0.00     |
| 85 T  | sec-Butylbenzene            | 4.093 | 4.225 | -3.2  | 107   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 3.291 | 3.461 | -5.2  | 107   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.678 | 1.694 | -1.0  | 106   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.697 | 1.681 | 0.9   | 105   | 0.00     |
| 89 T  | n-Butylbenzene              | 2.912 | 3.211 | -10.3 | 108   | 0.00     |
| 90 T  | Hexachloroethane            | 0.616 | 0.628 | -1.9  | 107   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.650 | 1.664 | -0.8  | 105   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.252 | 0.261 | -3.6  | 106   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 0.998 | 1.053 | -5.5  | 109   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.396 | 0.402 | -1.5  | 110   | 0.00     |
| 95 T  | Naphthalene                 | 3.608 | 3.827 | -6.1  | 107   | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021025\  
Data File : VX044875.D  
Acq On : 10 Feb 2025 13:15  
Operator : JC/MD  
Sample : VSTDICV050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
ICV VX021025

Quant Time: Feb 11 06:02:06 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
Quant Title : SW846 8260  
QLast Update : Tue Feb 11 03:41:08 2025  
Response via : Initial Calibration

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

|      | Compound               | AvgRF | CCRF  | %Dev | Area% | Dev(min) |
|------|------------------------|-------|-------|------|-------|----------|
| 96 T | 1,2,3-Trichlorobenzene | 1.006 | 1.038 | -3.2 | 105   | 0.00     |

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021025\  
 Data File : VX044875.D  
 Acq On : 10 Feb 2025 13:15  
 Operator : JC/MD  
 Sample : VSTDICV050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ICVVX021025

Quant Time: Feb 11 06:02:06 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 11 03:41:08 2025  
 Response via : Initial Calibration

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

|       | Compound                    | Amount  | Calc.   | %Dev  | Area% | Dev(min) |
|-------|-----------------------------|---------|---------|-------|-------|----------|
| 1 I   | Pentafluorobenzene          | 50.000  | 50.000  | 0.0   | 106   | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 49.173  | 1.7   | 105   | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 47.590  | 4.8   | 102   | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 47.033  | 5.9#  | 102   | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 46.719  | 6.6   | 99    | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 42.198  | 15.6  | 87    | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 48.558  | 2.9   | 105   | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 47.544  | 4.9   | 102   | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 50.588  | -1.2  | 109   | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 50.082  | -0.2  | 103   | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 251.791 | -0.7  | 107   | 0.00     |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 47.935  | 4.1#  | 104   | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 240.879 | 3.6   | 101   | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 48.976  | 2.0   | 105   | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 251.537 | -0.6  | 102   | 0.00     |
| 16 T  | Acetone                     | 250.000 | 257.198 | -2.9  | 110   | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 49.472  | 1.1   | 105   | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 49.920  | 0.2   | 104   | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 49.453  | 1.1   | 105   | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 47.978  | 4.0   | 104   | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 49.129  | 1.7   | 103   | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 50.138  | -0.3  | 105   | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 257.465 | -3.0  | 106   | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 49.329  | 1.3   | 105   | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 258.175 | -3.3  | 104   | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 50.285  | -0.6  | 110   | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 49.493  | 1.0   | 106   | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 45.250  | 9.5   | 98    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 253.318 | -1.3  | 104   | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 48.393  | 3.2#  | 105   | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 49.211  | 1.6   | 106   | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 48.825  | 2.3   | 105   | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 48.061  | 3.9   | 103   | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0   | 105   | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 49.173  | 1.7   | 105   | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 48.702  | 2.6   | 103   | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 49.300  | 1.4   | 102   | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 49.083  | 1.8   | 104   | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 53.254  | -6.5  | 109   | 0.00     |
| 40 TM | Benzene                     | 50.000  | 49.919  | 0.2   | 104   | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 53.741  | -7.5  | 104   | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 50.410  | -0.8  | 105   | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 51.798  | -3.6  | 104   | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 49.917  | 0.2   | 105   | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 50.387  | -0.8# | 105   | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 49.540  | 0.9   | 103   | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 50.980  | -2.0  | 105   | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 52.848  | -5.7  | 104   | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\WX021025\  
 Data File : VX044875.D  
 Acq On : 10 Feb 2025 13:15  
 Operator : JC/MD  
 Sample : VSTDICV050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 ICSVX021025

Quant Time: Feb 11 06:02:06 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 11 03:41:08 2025  
 Response via : Initial Calibration

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

|       | Compound                    | Amount   | Calc.    | %Dev  | Area% | Dev(min) |
|-------|-----------------------------|----------|----------|-------|-------|----------|
| 49 T  | 1,4-Dioxane                 | 1000.000 | 1021.138 | -2.1  | 101   | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 49.649   | 0.7   | 103   | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 265.112  | -6.0  | 103   | 0.00     |
| 52 CM | Toluene                     | 50.000   | 50.680   | -1.4# | 103   | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 53.731   | -7.5  | 109   | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 52.986   | -6.0  | 106   | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 50.811   | -1.6  | 105   | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 54.068   | -8.1  | 106   | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 50.852   | -1.7  | 103   | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 284.352  | -13.7 | 110   | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 269.951  | -8.0  | 103   | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 51.673   | -3.3  | 104   | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 51.436   | -2.9  | 105   | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 51.786   | -3.6  | 104   | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0   | 104   | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 49.424   | 1.2   | 105   | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 50.952   | -1.9  | 104   | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 51.205   | -2.4  | 104   | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 51.415   | -2.8# | 105   | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 104.282  | -4.3  | 105   | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 50.804   | -1.6  | 105   | 0.00     |
| 70 T  | Styrene                     | 50.000   | 53.521   | -7.0  | 105   | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 53.997   | -8.0  | 103   | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0   | 105   | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 49.921   | 0.2   | 104   | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 52.621   | -5.2  | 106   | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 48.331   | 3.3   | 103   | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 49.659   | 0.7   | 104   | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 49.725   | 0.5   | 104   | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 51.386   | -2.8  | 106   | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 49.065   | 1.9   | 103   | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 50.956   | -1.9  | 105   | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 52.665   | -5.3  | 109   | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 50.872   | -1.7  | 105   | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 50.139   | -0.3  | 105   | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 51.593   | -3.2  | 104   | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 51.617   | -3.2  | 107   | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 52.581   | -5.2  | 107   | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 50.475   | -1.0  | 106   | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 49.526   | 0.9   | 105   | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 55.142   | -10.3 | 108   | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 50.990   | -2.0  | 107   | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 50.447   | -0.9  | 105   | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 51.684   | -3.4  | 106   | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 52.726   | -5.5  | 109   | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 50.683   | -1.4  | 110   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 53.033   | -6.1  | 107   | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021025\  
Data File : VX044875.D  
Acq On : 10 Feb 2025 13:15  
Operator : JC/MD  
Sample : VSTDICV050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 10 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
ICVVX021025

Quant Time: Feb 11 06:02:06 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
Quant Title : SW846 8260  
QLast Update : Tue Feb 11 03:41:08 2025  
Response via : Initial Calibration

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

|      | Compound               | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|------------------------|--------|--------|------|-------|----------|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 51.575 | -3.2 | 105   | 0.00     |

(#) = Out of Range                      SPCC's out = 0    CCC's out = 6



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

## VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TECH05

Lab Code: CHEM Case No.: Q1363 SAS No.: Q1363 SDG No.: Q1363

Instrument ID: MSVOA\_X Calibration Date/Time: 02/14/2025 10:04

Lab File ID: VX044948.D Init. Calib. Date(s): 02/10/2025 02/10/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:25 12:28

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

| COMPOUND                       | RRF   | RRF050 | MIN<br>RRF | %D    | MAX%D |
|--------------------------------|-------|--------|------------|-------|-------|
| Dichlorodifluoromethane        | 0.701 | 0.746  |            | 6.42  | 20    |
| Chloromethane                  | 0.854 | 0.855  | 0.1        | 0.12  | 20    |
| Vinyl Chloride                 | 0.827 | 0.803  |            | -2.9  | 20    |
| Bromomethane                   | 0.247 | 0.285  |            | 15.39 | 20    |
| Chloroethane                   | 0.307 | 0.432  |            | 40.72 | 20    |
| Trichlorofluoromethane         | 1.046 | 1.097  |            | 4.88  | 20    |
| 1,1,2-Trichlorotrifluoroethane | 0.632 | 0.656  |            | 3.8   | 20    |
| 1,1-Dichloroethene             | 0.644 | 0.637  |            | -1.09 | 20    |
| Acetone                        | 0.294 | 0.310  |            | 5.44  | 20    |
| Carbon Disulfide               | 1.767 | 1.631  |            | -7.7  | 20    |
| Methyl tert-butyl Ether        | 2.050 | 2.063  |            | 0.63  | 20    |
| Methyl Acetate                 | 0.928 | 0.982  |            | 5.82  | 20    |
| Methylene Chloride             | 0.721 | 0.709  |            | -1.66 | 20    |
| trans-1,2-Dichloroethene       | 0.634 | 0.627  |            | -1.1  | 20    |
| 1,1-Dichloroethane             | 1.233 | 1.248  | 0.1        | 1.22  | 20    |
| Cyclohexane                    | 1.137 | 1.103  |            | -2.99 | 20    |
| 2-Butanone                     | 0.478 | 0.507  |            | 6.07  | 20    |
| Carbon Tetrachloride           | 0.460 | 0.493  |            | 7.17  | 20    |
| cis-1,2-Dichloroethene         | 0.762 | 0.762  |            | 0     | 20    |
| Bromochloromethane             | 0.593 | 0.594  |            | 0.17  | 20    |
| Chloroform                     | 1.196 | 1.212  |            | 1.34  | 20    |
| 1,1,1-Trichloroethane          | 1.014 | 1.027  |            | 1.28  | 20    |
| Methylcyclohexane              | 0.606 | 0.650  |            | 7.26  | 20    |
| Benzene                        | 1.465 | 1.515  |            | 3.41  | 20    |
| 1,2-Dichloroethane             | 0.467 | 0.510  |            | 9.21  | 20    |
| Trichloroethene                | 0.335 | 0.353  |            | 5.37  | 20    |
| 1,2-Dichloropropane            | 0.364 | 0.380  |            | 4.4   | 20    |
| Bromodichloromethane           | 0.489 | 0.537  |            | 9.82  | 20    |
| 4-Methyl-2-Pentanone           | 0.512 | 0.589  |            | 15.04 | 20    |
| Toluene                        | 0.872 | 0.912  |            | 4.59  | 20    |
| t-1,3-Dichloropropene          | 0.495 | 0.526  |            | 6.26  | 20    |
| cis-1,3-Dichloropropene        | 0.552 | 0.593  |            | 7.43  | 20    |
| 1,1,2-Trichloroethane          | 0.335 | 0.359  |            | 7.16  | 20    |
| 2-Hexanone                     | 0.369 | 0.430  |            | 16.53 | 20    |
| Dibromochloromethane           | 0.359 | 0.395  |            | 10.03 | 20    |
| 1,2-Dibromoethane              | 0.340 | 0.361  |            | 6.18  | 20    |
| Tetrachloroethene              | 0.315 | 0.332  |            | 5.4   | 20    |
| Chlorobenzene                  | 1.074 | 1.118  | 0.3        | 4.1   | 20    |

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



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

## VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TECH05

Lab Code: CHEM Case No.: Q1363 SAS No.: Q1363 SDG No.: Q1363

Instrument ID: MSVOA\_X Calibration Date/Time: 02/14/2025 10:04

Lab File ID: VX044948.D Init. Calib. Date(s): 02/10/2025 02/10/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:25 12:28

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

| COMPOUND                    | RRF   | RRF050 | MIN<br>RRF | %D    | MAX%D |
|-----------------------------|-------|--------|------------|-------|-------|
| Ethyl Benzene               | 1.895 | 1.994  |            | 5.22  | 20    |
| m/p-Xylenes                 | 0.699 | 0.739  |            | 5.72  | 20    |
| o-Xylene                    | 0.701 | 0.733  |            | 4.57  | 20    |
| Styrene                     | 1.130 | 1.244  |            | 10.09 | 20    |
| Bromoform                   | 0.258 | 0.294  | 0.1        | 13.95 | 20    |
| Isopropylbenzene            | 4.026 | 4.087  |            | 1.51  | 20    |
| 1,1,2,2-Tetrachloroethane   | 1.383 | 1.368  | 0.3        | -1.09 | 20    |
| 1,3-Dichlorobenzene         | 1.678 | 1.756  |            | 4.65  | 20    |
| 1,4-Dichlorobenzene         | 1.697 | 1.735  |            | 2.24  | 20    |
| 1,2-Dichlorobenzene         | 1.650 | 1.705  |            | 3.33  | 20    |
| 1,2-Dibromo-3-Chloropropane | 0.252 | 0.271  |            | 7.54  | 20    |
| 1,2,4-Trichlorobenzene      | 0.998 | 1.054  |            | 5.61  | 20    |
| 1,2,3-Trichlorobenzene      | 1.006 | 1.065  |            | 5.86  | 20    |
| 1,2-Dichloroethane-d4       | 0.732 | 0.726  |            | -0.82 | 20    |
| Dibromofluoromethane        | 0.325 | 0.335  |            | 3.08  | 20    |
| Toluene-d8                  | 1.229 | 1.231  |            | 0.16  | 20    |
| 4-Bromofluorobenzene        | 0.414 | 0.440  |            | 6.28  | 20    |

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\_X\Data\VX021425\  
 Data File : VX044948.D  
 Acq On : 14 Feb 2025 10:04  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

Reviewed By :John Carlone 02/18/2025  
 Supervised By :Mahesh Dadoda 02/19/2025

Quant Time: Feb 14 22:10:16 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 11 03:41:08 2025  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| -----                        |                |      |            |          |        |          |
| Internal Standards           |                |      |            |          |        |          |
| 1) Pentafluorobenzene        | 5.537          | 168  | 111649     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.751          | 114  | 194847     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.049         | 117  | 171164     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.018         | 152  | 79140      | 50.000   | ug/l   | 0.00     |
|                              |                |      |            |          |        |          |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.946          | 65   | 81025      | 49.577   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = | 99.160%  |        |          |
| 35) Dibromofluoromethane     | 5.373          | 113  | 65208      | 51.473   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 102.940% |        |          |
| 50) Toluene-d8               | 8.640          | 98   | 239910     | 50.081   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = | 100.160% |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 85808      | 53.134   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 77 - 121 |      | Recovery = | 106.260% |        |          |
|                              |                |      |            |          |        |          |
| Target Compounds             |                |      |            |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.166          | 85   | 83333      | 53.216   | ug/l   | 100      |
| 3) Chloromethane             | 1.300          | 50   | 95413      | 50.063   | ug/l   | 98       |
| 4) Vinyl Chloride            | 1.373          | 62   | 89675      | 48.568   | ug/l   | 100      |
| 5) Bromomethane              | 1.593          | 94   | 31780      | 57.519   | ug/l   | 98       |
| 6) Chloroethane              | 1.666          | 64   | 48225      | 75.147   | ug/l   | 99       |
| 7) Trichlorofluoromethane    | 1.873          | 101  | 122436     | 52.436   | ug/l   | 99       |
| 8) Diethyl Ether             | 2.129          | 74   | 44034      | 52.000   | ug/l   | 99       |
| 9) 1,1,2-Trichlorotrifluo... | 2.318          | 101  | 73285      | 51.947   | ug/l   | 99       |
| 10) Methyl Iodide            | 2.446          | 142  | 96895      | 52.995   | ug/l   | 98       |
| 11) Tert butyl alcohol       | 2.971          | 59   | 74583      | 245.988  | ug/l   | 99       |
| 12) 1,1-Dichloroethene       | 2.312          | 96   | 71069      | 49.386   | ug/l   | 98       |
| 13) Acrolein                 | 2.233          | 56   | 85239      | 272.483  | ug/l   | 99       |
| 14) Allyl chloride           | 2.654          | 41   | 130324     | 50.110   | ug/l   | 98       |
| 15) Acrylonitrile            | 3.056          | 53   | 210836     | 260.443  | ug/l   | 98       |
| 16) Acetone                  | 2.379          | 43   | 173217     | 263.641  | ug/l   | 97       |
| 17) Carbon Disulfide         | 2.501          | 76   | 182069     | 46.138   | ug/l   | 100      |
| 18) Methyl Acetate           | 2.696          | 43   | 109619     | 52.872   | ug/l   | 100      |
| 19) Methyl tert-butyl Ether  | 3.111          | 73   | 230346     | 50.309   | ug/l   | 99       |
| 20) Methylene Chloride       | 2.782          | 84   | 79188      | 49.206   | ug/l   | 98       |
| 21) trans-1,2-Dichloroethene | 3.080          | 96   | 70029      | 49.443   | ug/l   | 92       |
| 22) Diisopropyl ether        | 3.751          | 45   | 255981     | 52.025   | ug/l   | 93       |
| 23) Vinyl Acetate            | 3.715          | 43   | 1041556    | 259.654  | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 3.599          | 63   | 139363     | 50.620   | ug/l   | 99       |
| 25) 2-Butanone               | 4.550          | 43   | 282901     | 265.167  | ug/l   | 97       |
| 26) 2,2-Dichloropropane      | 4.458          | 77   | 108637     | 49.758   | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 4.477          | 96   | 85121      | 50.033   | ug/l   | 99       |
| 28) Bromochloromethane       | 4.885          | 49   | 66328      | 50.132   | ug/l   | 100      |
| 29) Tetrahydrofuran          | 4.989          | 42   | 183098     | 258.456  | ug/l   | 99       |
| 30) Chloroform               | 5.080          | 83   | 135270     | 50.664   | ug/l   | 97       |
| 31) Cyclohexane              | 5.458          | 56   | 123125     | 48.511   | ug/l   | 98       |
| 32) 1,1,1-Trichloroethane    | 5.367          | 97   | 114641     | 50.622   | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 5.684          | 75   | 92569      | 50.648   | ug/l   | 100      |
| 37) Ethyl Acetate            | 4.702          | 43   | 107447     | 52.854   | ug/l   | 98       |
| 38) Carbon Tetrachloride     | 5.665          | 117  | 96084      | 53.647   | ug/l   | 97       |
| 39) Methylcyclohexane        | 7.372          | 83   | 126678     | 53.611   | ug/l   | 98       |
| 40) Benzene                  | 6.025          | 78   | 295171     | 51.720   | ug/l   | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021425\  
 Data File : VX044948.D  
 Acq On : 14 Feb 2025 10:04  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 02/18/2025  
 Supervised By : Mahesh Dadoda 02/19/2025

Quant Time: Feb 14 22:10:16 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 11 03:41:08 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 4.909  | 41   | 62502    | 57.439   | ug/l   | 99       |
| 42) 1,2-Dichloroethane        | 6.080  | 62   | 99367    | 54.630   | ug/l   | 99       |
| 43) Isopropyl Acetate         | 6.330  | 43   | 178056   | 54.238   | ug/l   | 99       |
| 44) Trichloroethene           | 7.116  | 130  | 68729    | 52.686   | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 7.421  | 63   | 73954    | 52.086   | ug/l   | 98       |
| 46) Dibromomethane            | 7.574  | 93   | 52099    | 52.910   | ug/l   | 99       |
| 47) Bromodichloromethane      | 7.817  | 83   | 104667   | 54.897   | ug/l   | 94       |
| 48) Methyl methacrylate       | 7.683  | 41   | 84452    | 54.559   | ug/l   | 98       |
| 49) 1,4-Dioxane               | 7.659  | 88   | 35851    | 1079.521 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone      | 8.567  | 43   | 573871   | 287.542  | ug/l   | 99       |
| 52) Toluene                   | 8.714  | 92   | 177622   | 52.259   | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 102427   | 53.088   | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 8.360  | 75   | 115454   | 53.670   | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane     | 9.146  | 97   | 69992    | 53.569   | ug/l   | 99       |
| 56) Ethyl methacrylate        | 9.110  | 69   | 113350   | 53.714   | ug/l   | 96       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 122833   | 53.730   | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 281369   | 271.549  | ug/l   | 100      |
| 59) 2-Hexanone                | 9.427  | 43   | 419224   | 291.536  | ug/l   | 97       |
| 60) Dibromochloromethane      | 9.518  | 129  | 76923    | 55.049   | ug/l   | 100      |
| 61) 1,2-Dibromoethane         | 9.604  | 107  | 70254    | 53.050   | ug/l   | 99       |
| 64) Tetrachloroethene         | 9.268  | 164  | 56785    | 52.606   | ug/l   | 96       |
| 65) Chlorobenzene             | 10.073 | 112  | 191305   | 52.037   | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 10.158 | 131  | 63533    | 53.691   | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.189 | 91   | 341272   | 52.604   | ug/l   | 98       |
| 68) m/p-Xylenes               | 10.299 | 106  | 253071   | 105.747  | ug/l   | 99       |
| 69) o-Xylene                  | 10.640 | 106  | 125488   | 52.257   | ug/l   | 100      |
| 70) Styrene                   | 10.652 | 104  | 212892   | 55.028   | ug/l   | 99       |
| 71) Bromoform                 | 10.799 | 173  | 50298    | 56.956   | ug/l # | 98       |
| 73) Isopropylbenzene          | 10.957 | 105  | 323452   | 50.759   | ug/l   | 100      |
| 74) N-amyl acetate            | 10.841 | 43   | 151995   | 52.711   | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 11.207 | 83   | 108280   | 49.450   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 89855m   | 51.210   | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 74813    | 51.785   | ug/l   | 97       |
| 78) n-propylbenzene           | 11.299 | 91   | 383227   | 52.104   | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 11.359 | 91   | 227346   | 50.293   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 11.445 | 105  | 269593   | 52.135   | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 34484    | 50.555   | ug/l   | 95       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 260241   | 52.037   | ug/l   | 100      |
| 83) tert-Butylbenzene         | 11.713 | 119  | 271023   | 51.808   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 273444   | 53.576   | ug/l   | 98       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 345172   | 53.285   | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 281168   | 53.974   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.963 | 146  | 138952   | 52.302   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.036 | 146  | 137282   | 51.107   | ug/l   | 98       |
| 89) n-Butylbenzene            | 12.329 | 91   | 259957   | 56.406   | ug/l   | 100      |
| 90) Hexachloroethane          | 12.536 | 117  | 50444    | 51.715   | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 134948   | 51.683   | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 12.938 | 75   | 21467    | 53.715   | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 83444    | 52.814   | ug/l   | 100      |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 33686    | 53.707   | ug/l   | 100      |
| 95) Naphthalene               | 13.774 | 128  | 298494   | 52.263   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 13.957 | 180  | 84247    | 52.918   | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021425\  
Data File : VX044948.D  
Acq On : 14 Feb 2025 10:04  
Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VSTDCCC050

Manual Integrations  
**APPROVED**

Reviewed By :John Carlone 02/18/2025  
Supervised By :Mahesh Dadoda 02/19/2025

Quant Time: Feb 14 22:10:16 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
Quant Title : SW846 8260  
QLast Update : Tue Feb 11 03:41:08 2025  
Response via : Initial Calibration

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

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

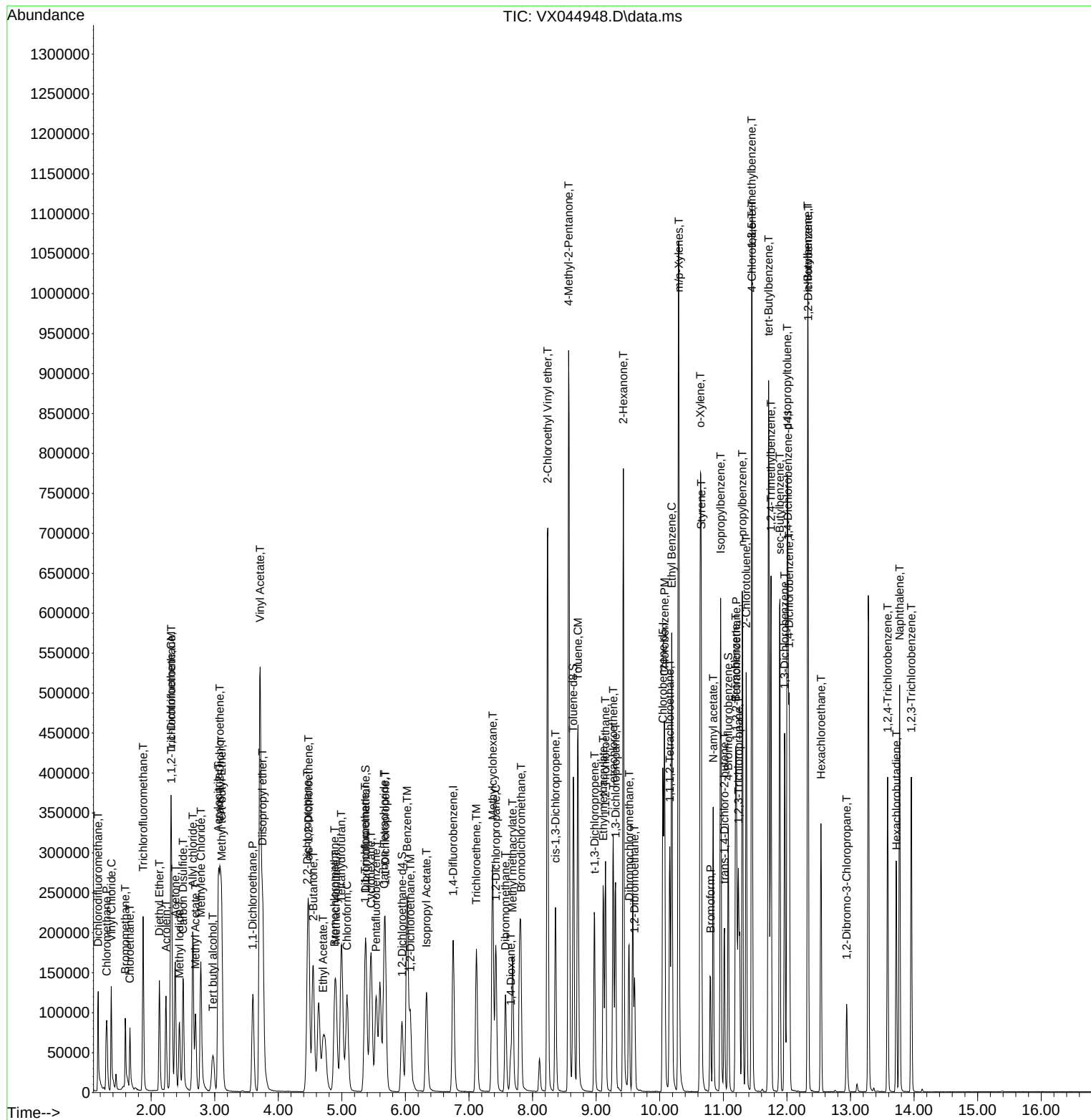
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021425\  
Data File : VX044948.D  
Acq On : 14 Feb 2025 10:04  
Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**  
MSVOA\_X  
**ClientSampleId :**  
VSTDCCC050

## Manual Integrations APPROVED

Reviewed By :John Carlone 02/18/2025  
Supervised By :Mahesh Dadoda 02/19/2025

Quant Time: Feb 14 22:10:16 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
Quant Title : SW846 8260  
QLast Update : Tue Feb 11 03:41:08 2025  
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021425\  
 Data File : VX044948.D  
 Acq On : 14 Feb 2025 10:04  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Feb 14 22:10:16 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 11 03:41:08 2025  
 Response via : Initial Calibration

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

|       | Compound                    | AvgRF | CCRF  | %Dev   | Area% | Dev(min) |
|-------|-----------------------------|-------|-------|--------|-------|----------|
| 1 I   | Pentafluorobenzene          | 1.000 | 1.000 | 0.0    | 87    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.701 | 0.746 | -6.4   | 93    | 0.00     |
| 3 P   | Chloromethane               | 0.854 | 0.855 | -0.1   | 88    | 0.00     |
| 4 C   | Vinyl Chloride              | 0.827 | 0.803 | 2.9#   | 87    | 0.00     |
| 5 T   | Bromomethane                | 0.247 | 0.285 | -15.4  | 100   | 0.00     |
| 6 T   | Chloroethane                | 0.307 | 0.432 | -40.7# | 110   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 1.046 | 1.097 | -4.9   | 93    | 0.00     |
| 8 T   | Diethyl Ether               | 0.379 | 0.394 | -4.0   | 92    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.632 | 0.656 | -3.8   | 92    | 0.00     |
| 10 T  | Methyl Iodide               | 0.819 | 0.868 | -6.0   | 89    | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.136 | 0.134 | 1.5    | 85    | -0.01    |
| 12 CM | 1,1-Dichloroethene          | 0.644 | 0.637 | 1.1#   | 88    | 0.00     |
| 13 T  | Acrolein                    | 0.140 | 0.153 | -9.3   | 94    | 0.00     |
| 14 T  | Allyl chloride              | 1.165 | 1.167 | -0.2   | 88    | 0.00     |
| 15 T  | Acrylonitrile               | 0.363 | 0.378 | -4.1   | 87    | 0.00     |
| 16 T  | Acetone                     | 0.294 | 0.310 | -5.4   | 92    | 0.00     |
| 17 T  | Carbon Disulfide            | 1.767 | 1.631 | 7.7    | 81    | 0.00     |
| 18 T  | Methyl Acetate              | 0.928 | 0.982 | -5.8   | 91    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 2.050 | 2.063 | -0.6   | 88    | 0.00     |
| 20 T  | Methylene Chloride          | 0.721 | 0.709 | 1.7    | 88    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.634 | 0.627 | 1.1    | 85    | 0.00     |
| 22 T  | Diisopropyl ether           | 2.203 | 2.293 | -4.1   | 89    | 0.00     |
| 23 T  | Vinyl Acetate               | 1.796 | 1.866 | -3.9   | 88    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 1.233 | 1.248 | -1.2   | 89    | 0.00     |
| 25 T  | 2-Butanone                  | 0.478 | 0.507 | -6.1   | 87    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 0.978 | 0.973 | 0.5    | 89    | -0.01    |
| 27 T  | cis-1,2-Dichloroethene      | 0.762 | 0.762 | 0.0    | 88    | 0.00     |
| 28 T  | Bromochloromethane          | 0.593 | 0.594 | -0.2   | 89    | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.317 | 0.328 | -3.5   | 87    | -0.01    |
| 30 C  | Chloroform                  | 1.196 | 1.212 | -1.3#  | 90    | 0.00     |
| 31 T  | Cyclohexane                 | 1.137 | 1.103 | 3.0    | 86    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 1.014 | 1.027 | -1.3   | 89    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.732 | 0.726 | 0.8    | 88    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0    | 83    | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.325 | 0.335 | -3.1   | 87    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.469 | 0.475 | -1.3   | 86    | 0.00     |
| 37 T  | Ethyl Acetate               | 0.522 | 0.551 | -5.6   | 87    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 0.460 | 0.493 | -7.2   | 91    | 0.00     |
| 39 T  | Methylcyclohexane           | 0.606 | 0.650 | -7.3   | 87    | 0.00     |
| 40 TM | Benzene                     | 1.465 | 1.515 | -3.4   | 86    | 0.00     |
| 41 T  | Methacrylonitrile           | 0.279 | 0.321 | -15.1  | 89    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.467 | 0.510 | -9.2   | 90    | 0.00     |
| 43 T  | Isopropyl Acetate           | 0.842 | 0.914 | -8.6   | 87    | 0.00     |
| 44 TM | Trichloroethene             | 0.335 | 0.353 | -5.4   | 88    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.364 | 0.380 | -4.4#  | 86    | 0.00     |
| 46 T  | Dibromomethane              | 0.253 | 0.267 | -5.5   | 87    | 0.00     |
| 47 T  | Bromodichloromethane        | 0.489 | 0.537 | -9.8   | 90    | 0.00     |
| 48 T  | Methyl methacrylate         | 0.397 | 0.433 | -9.1   | 86    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021425\  
 Data File : VX044948.D  
 Acq On : 14 Feb 2025 10:04  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Feb 14 22:10:16 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 11 03:41:08 2025  
 Response via : Initial Calibration

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

|       | Compound                    | AvgRF | CCRF  | %Dev  | Area% | Dev(min) |
|-------|-----------------------------|-------|-------|-------|-------|----------|
| 49 T  | 1,4-Dioxane                 | 0.009 | 0.009 | 0.0   | 85    | 0.00     |
| 50 S  | Toluene-d8                  | 1.229 | 1.231 | -0.2  | 83    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.512 | 0.589 | -15.0 | 89    | 0.00     |
| 52 CM | Toluene                     | 0.872 | 0.912 | -4.6# | 85    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.495 | 0.526 | -6.3  | 85    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.552 | 0.593 | -7.4  | 86    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.335 | 0.359 | -7.2  | 88    | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.542 | 0.582 | -7.4  | 84    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.587 | 0.630 | -7.3  | 87    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.266 | 0.289 | -8.6  | 84    | 0.00     |
| 59 T  | 2-Hexanone                  | 0.369 | 0.430 | -16.5 | 89    | 0.00     |
| 60 T  | Dibromochloromethane        | 0.359 | 0.395 | -10.0 | 88    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.340 | 0.361 | -6.2  | 86    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.414 | 0.440 | -6.3  | 85    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0   | 84    | 0.00     |
| 64 T  | Tetrachloroethene           | 0.315 | 0.332 | -5.4  | 89    | 0.00     |
| 65 PM | Chlorobenzene               | 1.074 | 1.118 | -4.1  | 85    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.346 | 0.371 | -7.2  | 88    | 0.00     |
| 67 C  | Ethyl Benzene               | 1.895 | 1.994 | -5.2# | 86    | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.699 | 0.739 | -5.7  | 85    | 0.00     |
| 69 T  | o-Xylene                    | 0.701 | 0.733 | -4.6  | 87    | 0.00     |
| 70 T  | Styrene                     | 1.130 | 1.244 | -10.1 | 87    | 0.00     |
| 71 P  | Bromoform                   | 0.258 | 0.294 | -14.0 | 88    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0   | 85    | 0.00     |
| 73 T  | Isopropylbenzene            | 4.026 | 4.087 | -1.5  | 86    | 0.00     |
| 74 T  | N-amyl acetate              | 1.822 | 1.921 | -5.4  | 86    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 1.383 | 1.368 | 1.1   | 86    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 1.109 | 1.135 | -2.3  | 88    | 0.00     |
| 77 T  | Bromobenzene                | 0.913 | 0.945 | -3.5  | 89    | 0.00     |
| 78 T  | n-propylbenzene             | 4.647 | 4.842 | -4.2  | 88    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.856 | 2.873 | -0.6  | 86    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 3.267 | 3.407 | -4.3  | 88    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.431 | 0.436 | -1.2  | 85    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 3.160 | 3.288 | -4.1  | 88    | 0.00     |
| 83 T  | tert-Butylbenzene           | 3.305 | 3.425 | -3.6  | 88    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 3.225 | 3.455 | -7.1  | 88    | 0.00     |
| 85 T  | sec-Butylbenzene            | 4.093 | 4.362 | -6.6  | 90    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 3.291 | 3.553 | -8.0  | 89    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.678 | 1.756 | -4.6  | 89    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.697 | 1.735 | -2.2  | 88    | 0.00     |
| 89 T  | n-Butylbenzene              | 2.912 | 3.285 | -12.8 | 90    | 0.00     |
| 90 T  | Hexachloroethane            | 0.616 | 0.637 | -3.4  | 89    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.650 | 1.705 | -3.3  | 87    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.252 | 0.271 | -7.5  | 90    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 0.998 | 1.054 | -5.6  | 89    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.396 | 0.426 | -7.6  | 95    | 0.00     |
| 95 T  | Naphthalene                 | 3.608 | 3.772 | -4.5  | 86    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021425\  
Data File : VX044948.D  
Acq On : 14 Feb 2025 10:04  
Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
LabSampleId :  
VSTDCCC050

Quant Time: Feb 14 22:10:16 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
Quant Title : SW846 8260  
QLast Update : Tue Feb 11 03:41:08 2025  
Response via : Initial Calibration

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

|      | Compound               | AvgRF | CCRF  | %Dev | Area% | Dev(min) |
|------|------------------------|-------|-------|------|-------|----------|
| 96 T | 1,2,3-Trichlorobenzene | 1.006 | 1.065 | -5.9 | 88    | 0.00     |

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021425\  
 Data File : VX044948.D  
 Acq On : 14 Feb 2025 10:04  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Feb 14 22:10:16 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 11 03:41:08 2025  
 Response via : Initial Calibration

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

|       | Compound                    | Amount  | Calc.   | %Dev   | Area% | Dev(min) |
|-------|-----------------------------|---------|---------|--------|-------|----------|
| 1 I   | Pentafluorobenzene          | 50.000  | 50.000  | 0.0    | 87    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 53.216  | -6.4   | 93    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 50.063  | -0.1   | 88    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 48.568  | 2.9#   | 87    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 57.519  | -15.0  | 100   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 75.147  | -50.3# | 110   | 0.00     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 52.436  | -4.9   | 93    | 0.00     |
| 8 T   | Diethyl Ether               | 50.000  | 52.000  | -4.0   | 92    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 51.947  | -3.9   | 92    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 52.995  | -6.0   | 89    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 245.988 | 1.6    | 85    | -0.01    |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 49.386  | 1.2#   | 88    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 272.483 | -9.0   | 94    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 50.110  | -0.2   | 88    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 260.443 | -4.2   | 87    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 263.641 | -5.5   | 92    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 46.138  | 7.7    | 81    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 52.872  | -5.7   | 91    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 50.309  | -0.6   | 88    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 49.206  | 1.6    | 88    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 49.443  | 1.1    | 85    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 52.025  | -4.0   | 89    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 259.654 | -3.9   | 88    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 50.620  | -1.2   | 89    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 265.167 | -6.1   | 87    | 0.00     |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 49.758  | 0.5    | 89    | -0.01    |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 50.033  | -0.1   | 88    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 50.132  | -0.3   | 89    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 258.456 | -3.4   | 87    | -0.01    |
| 30 C  | Chloroform                  | 50.000  | 50.664  | -1.3#  | 90    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 48.511  | 3.0    | 86    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 50.622  | -1.2   | 89    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 49.577  | 0.8    | 88    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 83    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 51.473  | -2.9   | 87    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 50.648  | -1.3   | 86    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 52.854  | -5.7   | 87    | 0.00     |
| 38 T  | Carbon Tetrachloride        | 50.000  | 53.647  | -7.3   | 91    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 53.611  | -7.2   | 87    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 51.720  | -3.4   | 86    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 57.439  | -14.9  | 89    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 54.630  | -9.3   | 90    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 54.238  | -8.5   | 87    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 52.686  | -5.4   | 88    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 52.086  | -4.2#  | 86    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 52.910  | -5.8   | 87    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 54.897  | -9.8   | 90    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 54.559  | -9.1   | 86    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021425\  
 Data File : VX044948.D  
 Acq On : 14 Feb 2025 10:04  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Feb 14 22:10:16 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 11 03:41:08 2025  
 Response via : Initial Calibration

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

|       | Compound                    | Amount   | Calc.    | %Dev  | Area% | Dev(min) |
|-------|-----------------------------|----------|----------|-------|-------|----------|
| 49 T  | 1,4-Dioxane                 | 1000.000 | 1079.521 | -8.0  | 85    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 50.081   | -0.2  | 83    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 287.542  | -15.0 | 89    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 52.259   | -4.5# | 85    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 53.088   | -6.2  | 85    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 53.670   | -7.3  | 86    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 53.569   | -7.1  | 88    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 53.714   | -7.4  | 84    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 53.730   | -7.5  | 87    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 271.549  | -8.6  | 84    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 291.536  | -16.6 | 89    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 55.049   | -10.1 | 88    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 53.050   | -6.1  | 86    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 53.134   | -6.3  | 85    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0   | 84    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 52.606   | -5.2  | 89    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 52.037   | -4.1  | 85    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 53.691   | -7.4  | 88    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 52.604   | -5.2# | 86    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 105.747  | -5.7  | 85    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 52.257   | -4.5  | 87    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 55.028   | -10.1 | 87    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 56.956   | -13.9 | 88    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0   | 85    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 50.759   | -1.5  | 86    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 52.711   | -5.4  | 86    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 49.450   | 1.1   | 86    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 51.210   | -2.4  | 88    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 51.785   | -3.6  | 89    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 52.104   | -4.2  | 88    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 50.293   | -0.6  | 86    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 52.135   | -4.3  | 88    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 50.555   | -1.1  | 85    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 52.037   | -4.1  | 88    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 51.808   | -3.6  | 88    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 53.576   | -7.2  | 88    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 53.285   | -6.6  | 90    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 53.974   | -7.9  | 89    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 52.302   | -4.6  | 89    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 51.107   | -2.2  | 88    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 56.406   | -12.8 | 90    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 51.715   | -3.4  | 89    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 51.683   | -3.4  | 87    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 53.715   | -7.4  | 90    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 52.814   | -5.6  | 89    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 53.707   | -7.4  | 95    | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 52.263   | -4.5  | 86    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021425\  
Data File : VX044948.D  
Acq On : 14 Feb 2025 10:04  
Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
LabSampleId :  
VSTDCCC050

Quant Time: Feb 14 22:10:16 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
Quant Title : SW846 8260  
QLast Update : Tue Feb 11 03:41:08 2025  
Response via : Initial Calibration

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

|      | Compound               | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|------------------------|--------|--------|------|-------|----------|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 52.918 | -5.8 | 88    | 0.00     |

(#) = Out of Range                      SPCC's out = 0    CCC's out = 6



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

## VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TECH05

Lab Code: CHEM Case No.: Q1363 SAS No.: Q1363 SDG No.: Q1363

Instrument ID: MSVOA\_X Calibration Date/Time: 02/18/2025 10:45

Lab File ID: VX044976.D Init. Calib. Date(s): 02/10/2025 02/10/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:25 12:28

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

| COMPOUND                       | RRF   | RRF050 | MIN<br>RRF | %D     | MAX%D |
|--------------------------------|-------|--------|------------|--------|-------|
| Dichlorodifluoromethane        | 0.701 | 0.674  |            | -3.85  | 20    |
| Chloromethane                  | 0.854 | 0.757  | 0.1        | -11.36 | 20    |
| Vinyl Chloride                 | 0.827 | 0.732  |            | -11.49 | 20    |
| Bromomethane                   | 0.247 | 0.366  |            | 48.18  | 20    |
| Chloroethane                   | 0.307 | 0.412  |            | 34.2   | 20    |
| Trichlorofluoromethane         | 1.046 | 1.004  |            | -4.01  | 20    |
| 1,1,2-Trichlorotrifluoroethane | 0.632 | 0.600  |            | -5.06  | 20    |
| 1,1-Dichloroethene             | 0.644 | 0.581  |            | -9.78  | 20    |
| Acetone                        | 0.294 | 0.280  |            | -4.76  | 20    |
| Carbon Disulfide               | 1.767 | 1.593  |            | -9.85  | 20    |
| Methyl tert-butyl Ether        | 2.050 | 1.970  |            | -3.9   | 20    |
| Methyl Acetate                 | 0.928 | 0.940  |            | 1.29   | 20    |
| Methylene Chloride             | 0.721 | 0.669  |            | -7.21  | 20    |
| trans-1,2-Dichloroethene       | 0.634 | 0.587  |            | -7.41  | 20    |
| 1,1-Dichloroethane             | 1.233 | 1.162  | 0.1        | -5.76  | 20    |
| Cyclohexane                    | 1.137 | 1.033  |            | -9.15  | 20    |
| 2-Butanone                     | 0.478 | 0.460  |            | -3.77  | 20    |
| Carbon Tetrachloride           | 0.460 | 0.461  |            | 0.22   | 20    |
| cis-1,2-Dichloroethene         | 0.762 | 0.724  |            | -4.99  | 20    |
| Bromochloromethane             | 0.593 | 0.592  |            | -0.17  | 20    |
| Chloroform                     | 1.196 | 1.154  |            | -3.51  | 20    |
| 1,1,1-Trichloroethane          | 1.014 | 0.971  |            | -4.24  | 20    |
| Methylcyclohexane              | 0.606 | 0.612  |            | 0.99   | 20    |
| Benzene                        | 1.465 | 1.414  |            | -3.48  | 20    |
| 1,2-Dichloroethane             | 0.467 | 0.488  |            | 4.5    | 20    |
| Trichloroethene                | 0.335 | 0.335  |            | 0      | 20    |
| 1,2-Dichloropropane            | 0.364 | 0.366  |            | 0.55   | 20    |
| Bromodichloromethane           | 0.489 | 0.514  |            | 5.11   | 20    |
| 4-Methyl-2-Pentanone           | 0.512 | 0.536  |            | 4.69   | 20    |
| Toluene                        | 0.872 | 0.862  |            | -1.15  | 20    |
| t-1,3-Dichloropropene          | 0.495 | 0.530  |            | 7.07   | 20    |
| cis-1,3-Dichloropropene        | 0.552 | 0.579  |            | 4.89   | 20    |
| 1,1,2-Trichloroethane          | 0.335 | 0.339  |            | 1.19   | 20    |
| 2-Hexanone                     | 0.369 | 0.395  |            | 7.05   | 20    |
| Dibromochloromethane           | 0.359 | 0.386  |            | 7.52   | 20    |
| 1,2-Dibromoethane              | 0.340 | 0.345  |            | 1.47   | 20    |
| Tetrachloroethene              | 0.315 | 0.308  |            | -2.22  | 20    |
| Chlorobenzene                  | 1.074 | 1.071  | 0.3        | -0.28  | 20    |

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



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

## VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: TECH05

Lab Code: CHEM Case No.: Q1363 SAS No.: Q1363 SDG No.: Q1363

Instrument ID: MSVOA\_X Calibration Date/Time: 02/18/2025 10:45

Lab File ID: VX044976.D Init. Calib. Date(s): 02/10/2025 02/10/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 10:25 12:28

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

| COMPOUND                    | RRF   | RRF050 | MIN<br>RRF | %D    | MAX%D |
|-----------------------------|-------|--------|------------|-------|-------|
| Ethyl Benzene               | 1.895 | 1.877  |            | -0.95 | 20    |
| m/p-Xylenes                 | 0.699 | 0.694  |            | -0.71 | 20    |
| o-Xylene                    | 0.701 | 0.678  |            | -3.28 | 20    |
| Styrene                     | 1.130 | 1.169  |            | 3.45  | 20    |
| Bromoform                   | 0.258 | 0.283  | 0.1        | 9.69  | 20    |
| Isopropylbenzene            | 4.026 | 3.650  |            | -9.34 | 20    |
| 1,1,2,2-Tetrachloroethane   | 1.383 | 1.259  | 0.3        | -8.97 | 20    |
| 1,3-Dichlorobenzene         | 1.678 | 1.635  |            | -2.56 | 20    |
| 1,4-Dichlorobenzene         | 1.697 | 1.657  |            | -2.36 | 20    |
| 1,2-Dichlorobenzene         | 1.650 | 1.605  |            | -2.73 | 20    |
| 1,2-Dibromo-3-Chloropropane | 0.252 | 0.241  |            | -4.36 | 20    |
| 1,2,4-Trichlorobenzene      | 0.998 | 1.051  |            | 5.31  | 20    |
| 1,2,3-Trichlorobenzene      | 1.006 | 1.016  |            | 0.99  | 20    |
| 1,2-Dichloroethane-d4       | 0.732 | 0.750  |            | 2.46  | 20    |
| Dibromofluoromethane        | 0.325 | 0.345  |            | 6.15  | 20    |
| Toluene-d8                  | 1.229 | 1.278  |            | 3.99  | 20    |
| 4-Bromofluorobenzene        | 0.414 | 0.457  |            | 10.39 | 20    |

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\_X\Data\VX021825\  
 Data File : VX044976.D  
 Acq On : 18 Feb 2025 10:45  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 02/19/2025  
 Supervised By : Mahesh Dadoda 02/19/2025

Quant Time: Feb 18 11:13:59 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 11 03:41:08 2025  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response           | Conc   | Units  | Dev(Min) |
|------------------------------|----------------|------|--------------------|--------|--------|----------|
| -----                        |                |      |                    |        |        |          |
| Internal Standards           |                |      |                    |        |        |          |
| 1) Pentafluorobenzene        | 5.538          | 168  | 118005             | 50.00  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.751          | 114  | 207185             | 50.00  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.049         | 117  | 183597             | 50.00  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.018         | 152  | 88801              | 50.00  | ug/l   | 0.00     |
|                              |                |      |                    |        |        |          |
| System Monitoring Compounds  |                |      |                    |        |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.940          | 65   | 88505              | 51.24  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = 102.48% |        |        |          |
| 35) Dibromofluoromethane     | 5.373          | 113  | 71537              | 53.11  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 106.22% |        |        |          |
| 50) Toluene-d8               | 8.641          | 98   | 264709             | 51.97  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = 103.94% |        |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 94655              | 55.12  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 77 - 121 |      | Recovery = 110.24% |        |        |          |
|                              |                |      |                    |        |        |          |
| Target Compounds             |                |      |                    |        | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.166          | 85   | 79532              | 48.05  | ug/l   | 98       |
| 3) Chloromethane             | 1.294          | 50   | 89366              | 44.36  | ug/l   | 98       |
| 4) Vinyl Chloride            | 1.374          | 62   | 86399              | 44.27  | ug/l   | 98       |
| 5) Bromomethane              | 1.599          | 94   | 43230              | 74.03  | ug/l   | 98       |
| 6) Chloroethane              | 1.679          | 64   | 52022              | 77.62  | ug/l   | 98       |
| 7) Trichlorofluoromethane    | 1.886          | 101  | 118458             | 48.00  | ug/l   | 99       |
| 8) Diethyl Ether             | 2.130          | 74   | 44086              | 49.26  | ug/l   | 98       |
| 9) 1,1,2-Trichlorotrifluo... | 2.325          | 101  | 70768              | 47.46  | ug/l   | 98       |
| 10) Methyl Iodide            | 2.447          | 142  | 91917              | 47.56  | ug/l   | 98       |
| 11) Tert butyl alcohol       | 2.947          | 59   | 72730              | 226.96 | ug/l   | 100      |
| 12) 1,1-Dichloroethene       | 2.313          | 96   | 68545              | 45.07  | ug/l   | 96       |
| 13) Acrolein                 | 2.233          | 56   | 89524              | 270.77 | ug/l   | 99       |
| 14) Allyl chloride           | 2.660          | 41   | 131785             | 47.94  | ug/l   | 99       |
| 15) Acrylonitrile            | 3.056          | 53   | 208149             | 243.27 | ug/l   | 99       |
| 16) Acetone                  | 2.373          | 43   | 165312             | 238.06 | ug/l   | 96       |
| 17) Carbon Disulfide         | 2.508          | 76   | 187991             | 45.07  | ug/l   | 99       |
| 18) Methyl Acetate           | 2.697          | 43   | 110883             | 50.60  | ug/l   | 98       |
| 19) Methyl tert-butyl Ether  | 3.105          | 73   | 232450             | 48.03  | ug/l   | 99       |
| 20) Methylene Chloride       | 2.782          | 84   | 78990              | 46.44  | ug/l   | 97       |
| 21) trans-1,2-Dichloroethene | 3.087          | 96   | 69252              | 46.26  | ug/l   | 94       |
| 22) Diisopropyl ether        | 3.751          | 45   | 257144             | 49.45  | ug/l   | 94       |
| 23) Vinyl Acetate            | 3.715          | 43   | 1065465            | 251.31 | ug/l   | 100      |
| 24) 1,1-Dichloroethane       | 3.599          | 63   | 137149             | 47.13  | ug/l   | 100      |
| 25) 2-Butanone               | 4.538          | 43   | 271668             | 240.92 | ug/l   | 94       |
| 26) 2,2-Dichloropropane      | 4.465          | 77   | 109467             | 47.44  | ug/l   | 99       |
| 27) cis-1,2-Dichloroethene   | 4.477          | 96   | 85380              | 47.48  | ug/l   | 98       |
| 28) Bromochloromethane       | 4.885          | 49   | 69881              | 49.97  | ug/l   | 100      |
| 29) Tetrahydrofuran          | 4.995          | 42   | 177361             | 236.87 | ug/l   | 99       |
| 30) Chloroform               | 5.086          | 83   | 136159             | 48.25  | ug/l   | 96       |
| 31) Cyclohexane              | 5.464          | 56   | 121894             | 45.44  | ug/l   | 97       |
| 32) 1,1,1-Trichloroethane    | 5.373          | 97   | 114614             | 47.88  | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 5.684          | 75   | 92923              | 47.81  | ug/l   | 99       |
| 37) Ethyl Acetate            | 4.696          | 43   | 108339             | 50.12  | ug/l   | 98       |
| 38) Carbon Tetrachloride     | 5.666          | 117  | 95463              | 50.13  | ug/l   | 98       |
| 39) Methylcyclohexane        | 7.373          | 83   | 126871             | 50.50  | ug/l   | 98       |
| 40) Benzene                  | 6.025          | 78   | 293013             | 48.28  | ug/l   | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021825\  
 Data File : VX044976.D  
 Acq On : 18 Feb 2025 10:45  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VSTDCCC050

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 02/19/2025  
 Supervised By : Mahesh Dadoda 02/19/2025

Quant Time: Feb 18 11:13:59 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 11 03:41:08 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.910  | 41   | 60945    | 52.67   | ug/l   | 99       |
| 42) 1,2-Dichloroethane        | 6.080  | 62   | 101150   | 52.30   | ug/l   | 98       |
| 43) Isopropyl Acetate         | 6.330  | 43   | 178579   | 51.16   | ug/l   | 99       |
| 44) Trichloroethene           | 7.117  | 130  | 69360    | 50.00   | ug/l   | 98       |
| 45) 1,2-Dichloropropane       | 7.421  | 63   | 75767    | 50.18   | ug/l   | 100      |
| 46) Dibromomethane            | 7.574  | 93   | 53216    | 50.83   | ug/l   | 98       |
| 47) Bromodichloromethane      | 7.812  | 83   | 106534   | 52.55   | ug/l   | 99       |
| 48) Methyl methacrylate       | 7.684  | 41   | 85130    | 51.72   | ug/l   | 98       |
| 49) 1,4-Dioxane               | 7.653  | 88   | 35704    | 1011.07 | ug/l   | 99       |
| 51) 4-Methyl-2-Pentanone      | 8.568  | 43   | 555541   | 261.78  | ug/l   | 99       |
| 52) Toluene                   | 8.714  | 92   | 178656   | 49.43   | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 8.970  | 75   | 109793   | 53.52   | ug/l   | 96       |
| 54) cis-1,3-Dichloropropene   | 8.360  | 75   | 119963   | 52.44   | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane     | 9.147  | 97   | 70262    | 50.57   | ug/l   | 98       |
| 56) Ethyl methacrylate        | 9.110  | 69   | 115147   | 51.32   | ug/l   | 97       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 121286   | 49.89   | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 8.232  | 63   | 301429   | 273.58  | ug/l   | 99       |
| 59) 2-Hexanone                | 9.427  | 43   | 409204   | 267.62  | ug/l   | 97       |
| 60) Dibromochloromethane      | 9.512  | 129  | 79957    | 53.81   | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 9.604  | 107  | 71400    | 50.71   | ug/l   | 98       |
| 64) Tetrachloroethene         | 9.269  | 164  | 56478    | 48.78   | ug/l   | 97       |
| 65) Chlorobenzene             | 10.073 | 112  | 196568   | 49.85   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 63488    | 50.02   | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.189 | 91   | 344608   | 49.52   | ug/l   | 100      |
| 68) m/p-Xylenes               | 10.299 | 106  | 254807   | 99.26   | ug/l   | 99       |
| 69) o-Xylene                  | 10.640 | 106  | 124437   | 48.31   | ug/l   | 99       |
| 70) Styrene                   | 10.653 | 104  | 214624   | 51.72   | ug/l   | 99       |
| 71) Bromoform                 | 10.793 | 173  | 51973    | 54.87   | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.957 | 105  | 324136   | 45.33   | ug/l   | 99       |
| 74) N-amyl acetate            | 10.842 | 43   | 156526   | 48.38   | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 11.207 | 83   | 111814   | 45.51   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 101933m  | 51.77   | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 75531    | 46.59   | ug/l   | 99       |
| 78) n-propylbenzene           | 11.299 | 91   | 392244   | 47.53   | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 11.360 | 91   | 226171   | 44.59   | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene    | 11.445 | 105  | 270445   | 46.61   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 11.012 | 75   | 35570    | 46.47   | ug/l   | 98       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 268193   | 47.79   | ug/l   | 100      |
| 83) tert-Butylbenzene         | 11.713 | 119  | 274415   | 46.75   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 273687   | 47.79   | ug/l   | 100      |
| 85) sec-Butylbenzene          | 11.890 | 105  | 350459   | 48.22   | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 289729   | 49.57   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.963 | 146  | 145157   | 48.69   | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.036 | 146  | 147103   | 48.81   | ug/l   | 99       |
| 89) n-Butylbenzene            | 12.329 | 91   | 283636   | 54.85   | ug/l   | 100      |
| 90) Hexachloroethane          | 12.536 | 117  | 52382    | 47.86   | ug/l   | 100      |
| 91) 1,2-Dichlorobenzene       | 12.329 | 146  | 142515   | 48.64   | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75   | 21445    | 47.82   | ug/l   | 99       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 93307    | 52.63   | ug/l   | 100      |
| 94) Hexachlorobutadiene       | 13.719 | 225  | 37861    | 53.80   | ug/l   | 99       |
| 95) Naphthalene               | 13.774 | 128  | 310246   | 48.41   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 13.957 | 180  | 90229    | 50.51   | ug/l   | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021825\  
Data File : VX044976.D  
Acq On : 18 Feb 2025 10:45  
Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**  
MSVOA\_X  
**ClientSampleId :**  
VSTDCCC050

**Manual Integrations**  
**APPROVED**

Reviewed By :John Carlone 02/19/2025  
Supervised By :Mahesh Dadoda 02/19/2025

Quant Time: Feb 18 11:13:59 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
Quant Title : SW846 8260  
QLast Update : Tue Feb 11 03:41:08 2025  
Response via : Initial Calibration

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

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

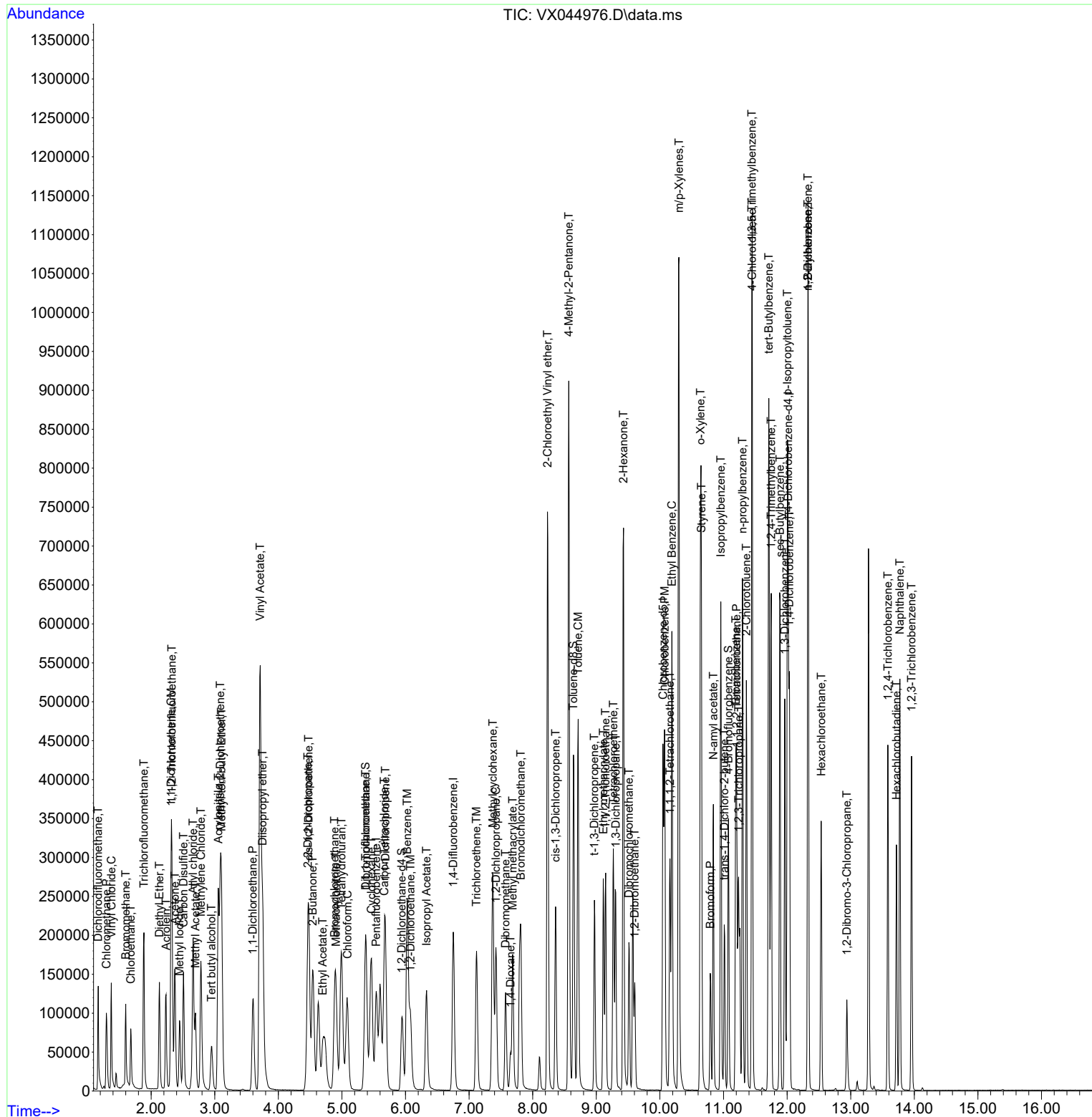
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021825\  
Data File : VX044976.D  
Acq On : 18 Feb 2025 10:45  
Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**  
MSVOA\_X  
**ClientSampleId :**  
VSTDCCC050

## Manual Integrations

Reviewed By :John Carlone 02/19/2025  
Supervised By :Mahesh Dadoda 02/19/2025

Quant Time: Feb 18 11:13:59 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
Quant Title : SW846 8260  
QLast Update : Tue Feb 11 03:41:08 2025  
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021825\  
 Data File : VX044976.D  
 Acq On : 18 Feb 2025 10:45  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Feb 19 06:07:10 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 11 03:41:08 2025  
 Response via : Initial Calibration

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

|       | Compound                    | AvgRF | CCRF  | %Dev   | Area% | Dev(min) |
|-------|-----------------------------|-------|-------|--------|-------|----------|
| 1 I   | Pentafluorobenzene          | 1.000 | 1.000 | 0.0    | 92    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 0.701 | 0.674 | 3.9    | 89    | 0.00     |
| 3 P   | Chloromethane               | 0.854 | 0.757 | 11.4   | 83    | 0.00     |
| 4 C   | Vinyl Chloride              | 0.827 | 0.732 | 11.5#  | 84    | 0.00     |
| 5 T   | Bromomethane                | 0.247 | 0.366 | -48.2# | 136   | 0.00     |
| 6 T   | Chloroethane                | 0.307 | 0.412 | -34.2# | 111   | 0.01     |
| 7 T   | Trichlorofluoromethane      | 1.046 | 1.004 | 4.0    | 90    | 0.01     |
| 8 T   | Diethyl Ether               | 0.379 | 0.374 | 1.3    | 92    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 0.632 | 0.600 | 5.1    | 88    | 0.00     |
| 10 T  | Methyl Iodide               | 0.819 | 0.779 | 4.9    | 85    | 0.00     |
| 11 T  | Tert butyl alcohol          | 0.136 | 0.123 | 9.6    | 83    | -0.04    |
| 12 CM | 1,1-Dichloroethene          | 0.644 | 0.581 | 9.8#   | 85    | 0.00     |
| 13 T  | Acrolein                    | 0.140 | 0.152 | -8.6   | 99    | 0.00     |
| 14 T  | Allyl chloride              | 1.165 | 1.117 | 4.1    | 89    | 0.00     |
| 15 T  | Acrylonitrile               | 0.363 | 0.353 | 2.8    | 86    | 0.00     |
| 16 T  | Acetone                     | 0.294 | 0.280 | 4.8    | 88    | 0.00     |
| 17 T  | Carbon Disulfide            | 1.767 | 1.593 | 9.8    | 83    | 0.00     |
| 18 T  | Methyl Acetate              | 0.928 | 0.940 | -1.3   | 92    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 2.050 | 1.970 | 3.9    | 89    | 0.00     |
| 20 T  | Methylene Chloride          | 0.721 | 0.669 | 7.2    | 88    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 0.634 | 0.587 | 7.4    | 85    | 0.00     |
| 22 T  | Diisopropyl ether           | 2.203 | 2.179 | 1.1    | 89    | 0.00     |
| 23 T  | Vinyl Acetate               | 1.796 | 1.806 | -0.6   | 90    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 1.233 | 1.162 | 5.8    | 87    | 0.00     |
| 25 T  | 2-Butanone                  | 0.478 | 0.460 | 3.8    | 84    | -0.02    |
| 26 T  | 2,2-Dichloropropane         | 0.978 | 0.928 | 5.1    | 90    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 0.762 | 0.724 | 5.0    | 88    | 0.00     |
| 28 T  | Bromochloromethane          | 0.593 | 0.592 | 0.2    | 94    | 0.00     |
| 29 T  | Tetrahydrofuran             | 0.317 | 0.301 | 5.0    | 84    | 0.00     |
| 30 C  | Chloroform                  | 1.196 | 1.154 | 3.5#   | 91    | 0.00     |
| 31 T  | Cyclohexane                 | 1.137 | 1.033 | 9.1    | 85    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 1.014 | 0.971 | 4.2    | 89    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 0.732 | 0.750 | -2.5   | 96    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 1.000 | 1.000 | 0.0    | 89    | 0.00     |
| 35 S  | Dibromofluoromethane        | 0.325 | 0.345 | -6.2   | 96    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 0.469 | 0.449 | 4.3    | 86    | 0.00     |
| 37 T  | Ethyl Acetate               | 0.522 | 0.523 | -0.2   | 88    | -0.01    |
| 38 T  | Carbon Tetrachloride        | 0.460 | 0.461 | -0.2   | 90    | 0.00     |
| 39 T  | Methylcyclohexane           | 0.606 | 0.612 | -1.0   | 87    | 0.00     |
| 40 TM | Benzene                     | 1.465 | 1.414 | 3.5    | 85    | 0.00     |
| 41 T  | Methacrylonitrile           | 0.279 | 0.294 | -5.4   | 86    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 0.467 | 0.488 | -4.5   | 92    | 0.00     |
| 43 T  | Isopropyl Acetate           | 0.842 | 0.862 | -2.4   | 87    | 0.00     |
| 44 TM | Trichloroethene             | 0.335 | 0.335 | 0.0    | 89    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 0.364 | 0.366 | -0.5#  | 88    | 0.00     |
| 46 T  | Dibromomethane              | 0.253 | 0.257 | -1.6   | 89    | 0.00     |
| 47 T  | Bromodichloromethane        | 0.489 | 0.514 | -5.1   | 91    | 0.00     |
| 48 T  | Methyl methacrylate         | 0.397 | 0.411 | -3.5   | 86    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021825\  
 Data File : VX044976.D  
 Acq On : 18 Feb 2025 10:45  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Feb 19 06:07:10 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 11 03:41:08 2025  
 Response via : Initial Calibration

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

|       | Compound                    | AvgRF | CCRF  | %Dev  | Area% | Dev(min) |
|-------|-----------------------------|-------|-------|-------|-------|----------|
| 49 T  | 1,4-Dioxane                 | 0.009 | 0.009 | 0.0   | 85    | 0.00     |
| 50 S  | Toluene-d8                  | 1.229 | 1.278 | -4.0  | 91    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 0.512 | 0.536 | -4.7  | 86    | 0.00     |
| 52 CM | Toluene                     | 0.872 | 0.862 | 1.1#  | 85    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 0.495 | 0.530 | -7.1  | 91    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 0.552 | 0.579 | -4.9  | 89    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 0.335 | 0.339 | -1.2  | 88    | 0.00     |
| 56 T  | Ethyl methacrylate          | 0.542 | 0.556 | -2.6  | 85    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 0.587 | 0.585 | 0.3   | 86    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 0.266 | 0.291 | -9.4  | 90    | 0.00     |
| 59 T  | 2-Hexanone                  | 0.369 | 0.395 | -7.0  | 87    | 0.00     |
| 60 T  | Dibromochloromethane        | 0.359 | 0.386 | -7.5  | 92    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 0.340 | 0.345 | -1.5  | 87    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 0.414 | 0.457 | -10.4 | 94    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 1.000 | 1.000 | 0.0   | 90    | 0.00     |
| 64 T  | Tetrachloroethene           | 0.315 | 0.308 | 2.2   | 89    | 0.00     |
| 65 PM | Chlorobenzene               | 1.074 | 1.071 | 0.3   | 88    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 0.346 | 0.346 | 0.0   | 88    | 0.00     |
| 67 C  | Ethyl Benzene               | 1.895 | 1.877 | 0.9#  | 87    | 0.00     |
| 68 T  | m/p-Xylenes                 | 0.699 | 0.694 | 0.7   | 86    | 0.00     |
| 69 T  | o-Xylene                    | 0.701 | 0.678 | 3.3   | 86    | 0.00     |
| 70 T  | Styrene                     | 1.130 | 1.169 | -3.5  | 87    | 0.00     |
| 71 P  | Bromoform                   | 0.258 | 0.283 | -9.7  | 91    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 1.000 | 1.000 | 0.0   | 96    | 0.00     |
| 73 T  | Isopropylbenzene            | 4.026 | 3.650 | 9.3   | 86    | 0.00     |
| 74 T  | N-amyl acetate              | 1.822 | 1.763 | 3.2   | 89    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 1.383 | 1.259 | 9.0   | 88    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 1.109 | 1.063 | 4.1   | 92    | 0.00     |
| 77 T  | Bromobenzene                | 0.913 | 0.851 | 6.8   | 89    | 0.00     |
| 78 T  | n-propylbenzene             | 4.647 | 4.417 | 4.9   | 90    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 2.856 | 2.547 | 10.8  | 86    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 3.267 | 3.046 | 6.8   | 88    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 0.431 | 0.401 | 7.0   | 88    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 3.160 | 3.020 | 4.4   | 91    | 0.00     |
| 83 T  | tert-Butylbenzene           | 3.305 | 3.090 | 6.5   | 89    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 3.225 | 3.082 | 4.4   | 88    | 0.00     |
| 85 T  | sec-Butylbenzene            | 4.093 | 3.947 | 3.6   | 91    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 3.291 | 3.263 | 0.9   | 92    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 1.678 | 1.635 | 2.6   | 93    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 1.697 | 1.657 | 2.4   | 94    | 0.00     |
| 89 T  | n-Butylbenzene              | 2.912 | 3.194 | -9.7  | 99    | 0.00     |
| 90 T  | Hexachloroethane            | 0.616 | 0.590 | 4.2   | 92    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 1.650 | 1.605 | 2.7   | 92    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 0.252 | 0.241 | 4.4   | 90    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 0.998 | 1.051 | -5.3  | 99    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 0.396 | 0.426 | -7.6  | 107   | 0.00     |
| 95 T  | Naphthalene                 | 3.608 | 3.494 | 3.2   | 89    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021825\  
Data File : VX044976.D  
Acq On : 18 Feb 2025 10:45  
Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
LabSampleId :  
VSTDCCC050

Quant Time: Feb 19 06:07:10 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
Quant Title : SW846 8260  
QLast Update : Tue Feb 11 03:41:08 2025  
Response via : Initial Calibration

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

|      | Compound               | AvgRF | CCRF  | %Dev | Area% | Dev(min) |
|------|------------------------|-------|-------|------|-------|----------|
| 96 T | 1,2,3-Trichlorobenzene | 1.006 | 1.016 | -1.0 | 94    | 0.00     |

(#) = Out of Range

SPCC's out = 0 CCC's out = 6

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021825\  
 Data File : VX044976.D  
 Acq On : 18 Feb 2025 10:45  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Feb 19 06:07:10 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 11 03:41:08 2025  
 Response via : Initial Calibration

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

|       | Compound                    | Amount  | Calc.   | %Dev   | Area% | Dev(min) |
|-------|-----------------------------|---------|---------|--------|-------|----------|
| 1 I   | Pentafluorobenzene          | 50.000  | 50.000  | 0.0    | 92    | 0.00     |
| 2 T   | Dichlorodifluoromethane     | 50.000  | 48.053  | 3.9    | 89    | 0.00     |
| 3 P   | Chloromethane               | 50.000  | 44.364  | 11.3   | 83    | 0.00     |
| 4 C   | Vinyl Chloride              | 50.000  | 44.273  | 11.5#  | 84    | 0.00     |
| 5 T   | Bromomethane                | 50.000  | 74.028  | -48.1# | 136   | 0.00     |
| 6 T   | Chloroethane                | 50.000  | 69.835  | -39.7# | 111   | 0.01     |
| 7 T   | Trichlorofluoromethane      | 50.000  | 48.000  | 4.0    | 90    | 0.01     |
| 8 T   | Diethyl Ether               | 50.000  | 49.258  | 1.5    | 92    | 0.00     |
| 9 T   | 1,1,2-Trichlorotrifluoroeth | 50.000  | 47.461  | 5.1    | 88    | 0.00     |
| 10 T  | Methyl Iodide               | 50.000  | 47.565  | 4.9    | 85    | 0.00     |
| 11 T  | Tert butyl alcohol          | 250.000 | 226.956 | 9.2    | 83    | -0.04    |
| 12 CM | 1,1-Dichloroethene          | 50.000  | 45.066  | 9.9#   | 85    | 0.00     |
| 13 T  | Acrolein                    | 250.000 | 270.766 | -8.3   | 99    | 0.00     |
| 14 T  | Allyl chloride              | 50.000  | 47.942  | 4.1    | 89    | 0.00     |
| 15 T  | Acrylonitrile               | 250.000 | 243.274 | 2.7    | 86    | 0.00     |
| 16 T  | Acetone                     | 250.000 | 238.057 | 4.8    | 88    | 0.00     |
| 17 T  | Carbon Disulfide            | 50.000  | 45.073  | 9.9    | 83    | 0.00     |
| 18 T  | Methyl Acetate              | 50.000  | 50.601  | -1.2   | 92    | 0.00     |
| 19 T  | Methyl tert-butyl Ether     | 50.000  | 48.034  | 3.9    | 89    | 0.00     |
| 20 T  | Methylene Chloride          | 50.000  | 46.440  | 7.1    | 88    | 0.00     |
| 21 T  | trans-1,2-Dichloroethene    | 50.000  | 46.261  | 7.5    | 85    | 0.00     |
| 22 T  | Diisopropyl ether           | 50.000  | 49.447  | 1.1    | 89    | 0.00     |
| 23 T  | Vinyl Acetate               | 250.000 | 251.308 | -0.5   | 90    | 0.00     |
| 24 P  | 1,1-Dichloroethane          | 50.000  | 47.133  | 5.7    | 87    | 0.00     |
| 25 T  | 2-Butanone                  | 250.000 | 240.923 | 3.6    | 84    | -0.02    |
| 26 T  | 2,2-Dichloropropane         | 50.000  | 47.438  | 5.1    | 90    | 0.00     |
| 27 T  | cis-1,2-Dichloroethene      | 50.000  | 47.483  | 5.0    | 88    | 0.00     |
| 28 T  | Bromochloromethane          | 50.000  | 49.972  | 0.1    | 94    | 0.00     |
| 29 T  | Tetrahydrofuran             | 250.000 | 236.873 | 5.3    | 84    | 0.00     |
| 30 C  | Chloroform                  | 50.000  | 48.250  | 3.5#   | 91    | 0.00     |
| 31 T  | Cyclohexane                 | 50.000  | 45.439  | 9.1    | 85    | 0.00     |
| 32 T  | 1,1,1-Trichloroethane       | 50.000  | 47.884  | 4.2    | 89    | 0.00     |
| 33 S  | 1,2-Dichloroethane-d4       | 50.000  | 51.237  | -2.5   | 96    | 0.00     |
| 34 I  | 1,4-Difluorobenzene         | 50.000  | 50.000  | 0.0    | 89    | 0.00     |
| 35 S  | Dibromofluoromethane        | 50.000  | 53.107  | -6.2   | 96    | 0.00     |
| 36 T  | 1,1-Dichloropropene         | 50.000  | 47.814  | 4.4    | 86    | 0.00     |
| 37 T  | Ethyl Acetate               | 50.000  | 50.119  | -0.2   | 88    | -0.01    |
| 38 T  | Carbon Tetrachloride        | 50.000  | 50.126  | -0.3   | 90    | 0.00     |
| 39 T  | Methylcyclohexane           | 50.000  | 50.495  | -1.0   | 87    | 0.00     |
| 40 TM | Benzene                     | 50.000  | 48.284  | 3.4    | 85    | 0.00     |
| 41 T  | Methacrylonitrile           | 50.000  | 52.673  | -5.3   | 86    | 0.00     |
| 42 TM | 1,2-Dichloroethane          | 50.000  | 52.298  | -4.6   | 92    | 0.00     |
| 43 T  | Isopropyl Acetate           | 50.000  | 51.158  | -2.3   | 87    | 0.00     |
| 44 TM | Trichloroethene             | 50.000  | 50.004  | -0.0   | 89    | 0.00     |
| 45 C  | 1,2-Dichloropropane         | 50.000  | 50.185  | -0.4#  | 88    | 0.00     |
| 46 T  | Dibromomethane              | 50.000  | 50.826  | -1.7   | 89    | 0.00     |
| 47 T  | Bromodichloromethane        | 50.000  | 52.549  | -5.1   | 91    | 0.00     |
| 48 T  | Methyl methacrylate         | 50.000  | 51.722  | -3.4   | 86    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021825\  
 Data File : VX044976.D  
 Acq On : 18 Feb 2025 10:45  
 Operator : JC/MD  
 Sample : VSTDCCC050  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 LabSampleId :  
 VSTDCCC050

Quant Time: Feb 19 06:07:10 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 11 03:41:08 2025  
 Response via : Initial Calibration

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

|       | Compound                    | Amount   | Calc.    | %Dev  | Area% | Dev(min) |
|-------|-----------------------------|----------|----------|-------|-------|----------|
| 49 T  | 1,4-Dioxane                 | 1000.000 | 1011.072 | -1.1  | 85    | 0.00     |
| 50 S  | Toluene-d8                  | 50.000   | 51.968   | -3.9  | 91    | 0.00     |
| 51 T  | 4-Methyl-2-Pentanone        | 250.000  | 261.781  | -4.7  | 86    | 0.00     |
| 52 CM | Toluene                     | 50.000   | 49.433   | 1.1#  | 85    | 0.00     |
| 53 T  | t-1,3-Dichloropropene       | 50.000   | 53.517   | -7.0  | 91    | 0.00     |
| 54 T  | cis-1,3-Dichloropropene     | 50.000   | 52.445   | -4.9  | 89    | 0.00     |
| 55 T  | 1,1,2-Trichloroethane       | 50.000   | 50.573   | -1.1  | 88    | 0.00     |
| 56 T  | Ethyl methacrylate          | 50.000   | 51.316   | -2.6  | 85    | 0.00     |
| 57 T  | 1,3-Dichloropropane         | 50.000   | 49.894   | 0.2   | 86    | 0.00     |
| 58 T  | 2-Chloroethyl Vinyl ether   | 250.000  | 273.585  | -9.4  | 90    | 0.00     |
| 59 T  | 2-Hexanone                  | 250.000  | 267.622  | -7.0  | 87    | 0.00     |
| 60 T  | Dibromochloromethane        | 50.000   | 53.813   | -7.6  | 92    | 0.00     |
| 61 T  | 1,2-Dibromoethane           | 50.000   | 50.705   | -1.4  | 87    | 0.00     |
| 62 S  | 4-Bromofluorobenzene        | 50.000   | 55.122   | -10.2 | 94    | 0.00     |
| 63 I  | Chlorobenzene-d5            | 50.000   | 50.000   | 0.0   | 90    | 0.00     |
| 64 T  | Tetrachloroethene           | 50.000   | 48.778   | 2.4   | 89    | 0.00     |
| 65 PM | Chlorobenzene               | 50.000   | 49.847   | 0.3   | 88    | 0.00     |
| 66 T  | 1,1,1,2-Tetrachloroethane   | 50.000   | 50.020   | -0.0  | 88    | 0.00     |
| 67 C  | Ethyl Benzene               | 50.000   | 49.521   | 1.0#  | 87    | 0.00     |
| 68 T  | m/p-Xylenes                 | 100.000  | 99.262   | 0.7   | 86    | 0.00     |
| 69 T  | o-Xylene                    | 50.000   | 48.310   | 3.4   | 86    | 0.00     |
| 70 T  | Styrene                     | 50.000   | 51.719   | -3.4  | 87    | 0.00     |
| 71 P  | Bromoform                   | 50.000   | 54.868   | -9.7  | 91    | 0.00     |
| 72 I  | 1,4-Dichlorobenzene-d4      | 50.000   | 50.000   | 0.0   | 96    | 0.00     |
| 73 T  | Isopropylbenzene            | 50.000   | 45.333   | 9.3   | 86    | 0.00     |
| 74 T  | N-amyl acetate              | 50.000   | 48.377   | 3.2   | 89    | 0.00     |
| 75 P  | 1,1,2,2-Tetrachloroethane   | 50.000   | 45.508   | 9.0   | 88    | 0.00     |
| 76 T  | 1,2,3-Trichloropropane      | 50.000   | 47.933   | 4.1   | 92    | 0.00     |
| 77 T  | Bromobenzene                | 50.000   | 46.594   | 6.8   | 89    | 0.00     |
| 78 T  | n-propylbenzene             | 50.000   | 47.528   | 4.9   | 90    | 0.00     |
| 79 T  | 2-Chlorotoluene             | 50.000   | 44.590   | 10.8  | 86    | 0.00     |
| 80 T  | 1,3,5-Trimethylbenzene      | 50.000   | 46.609   | 6.8   | 88    | 0.00     |
| 81 T  | trans-1,4-Dichloro-2-butene | 50.000   | 46.474   | 7.1   | 88    | 0.00     |
| 82 T  | 4-Chlorotoluene             | 50.000   | 47.793   | 4.4   | 91    | 0.00     |
| 83 T  | tert-Butylbenzene           | 50.000   | 46.750   | 6.5   | 89    | 0.00     |
| 84 T  | 1,2,4-Trimethylbenzene      | 50.000   | 47.790   | 4.4   | 88    | 0.00     |
| 85 T  | sec-Butylbenzene            | 50.000   | 48.215   | 3.6   | 91    | 0.00     |
| 86 T  | p-Isopropyltoluene          | 50.000   | 49.566   | 0.9   | 92    | 0.00     |
| 87 T  | 1,3-Dichlorobenzene         | 50.000   | 48.694   | 2.6   | 93    | 0.00     |
| 88 T  | 1,4-Dichlorobenzene         | 50.000   | 48.806   | 2.4   | 94    | 0.00     |
| 89 T  | n-Butylbenzene              | 50.000   | 54.848   | -9.7  | 99    | 0.00     |
| 90 T  | Hexachloroethane            | 50.000   | 47.860   | 4.3   | 92    | 0.00     |
| 91 T  | 1,2-Dichlorobenzene         | 50.000   | 48.643   | 2.7   | 92    | 0.00     |
| 92 T  | 1,2-Dibromo-3-Chloropropane | 50.000   | 47.822   | 4.4   | 90    | 0.00     |
| 93 T  | 1,2,4-Trichlorobenzene      | 50.000   | 52.632   | -5.3  | 99    | 0.00     |
| 94 T  | Hexachlorobutadiene         | 50.000   | 53.796   | -7.6  | 107   | 0.00     |
| 95 T  | Naphthalene                 | 50.000   | 48.411   | 3.2   | 89    | 0.00     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021825\  
Data File : VX044976.D  
Acq On : 18 Feb 2025 10:45  
Operator : JC/MD  
Sample : VSTDCCC050  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
LabSampleId :  
VSTDCCC050

Quant Time: Feb 19 06:07:10 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
Quant Title : SW846 8260  
QLast Update : Tue Feb 11 03:41:08 2025  
Response via : Initial Calibration

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

|      | Compound               | Amount | Calc.  | %Dev | Area% | Dev(min) |
|------|------------------------|--------|--------|------|-------|----------|
| 96 T | 1,2,3-Trichlorobenzene | 50.000 | 50.509 | -1.0 | 94    | 0.00     |

(#) = Out of Range                      SPCC's out = 0    CCC's out = 6



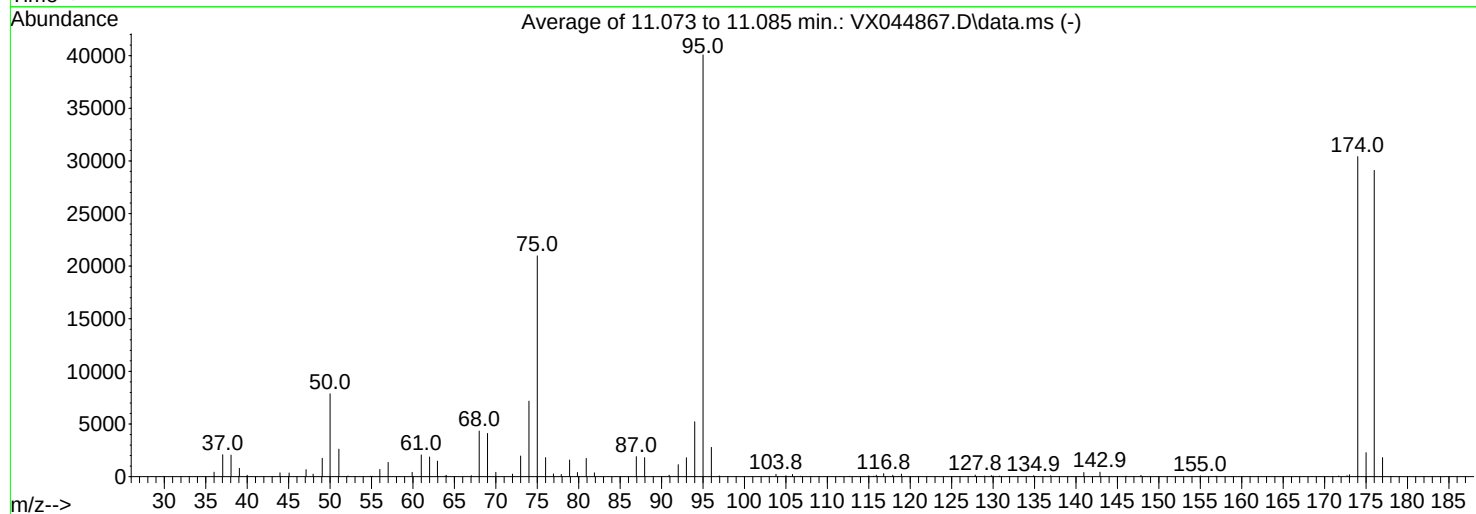
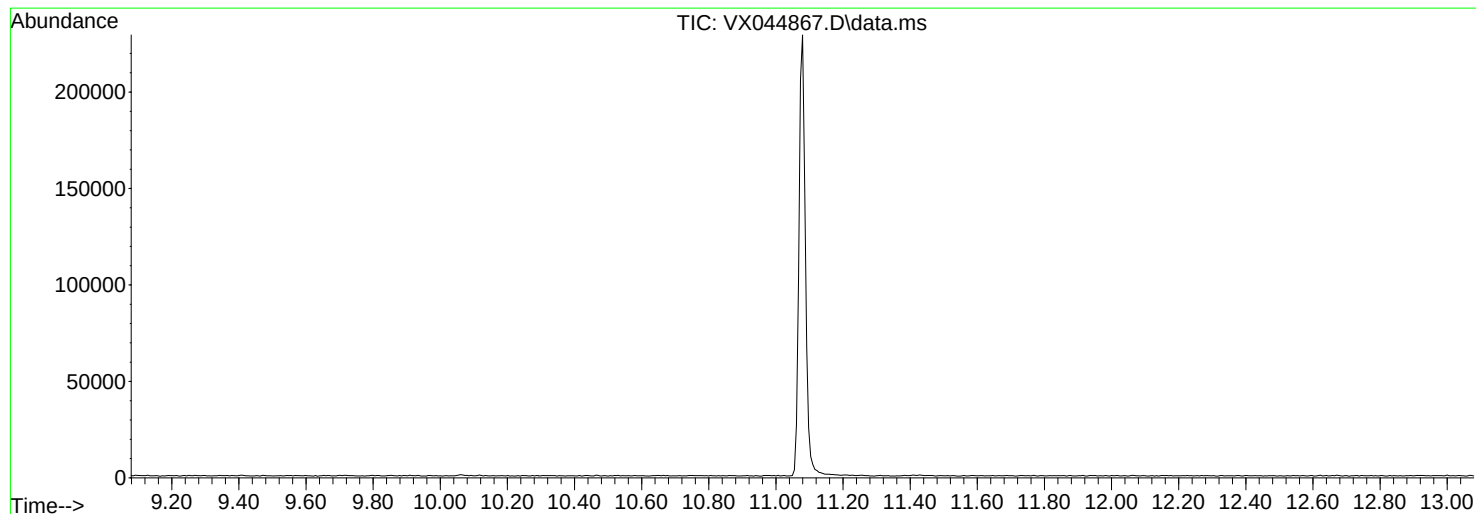
# QC SAMPLE DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021025\  
Data File : VX044867.D  
Acq On : 10 Feb 2025 09:35  
Operator : JC/MD  
Sample : BFB  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
Title : SW846 8260  
Last Update : Tue Feb 11 03:41:08 2025



AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1631

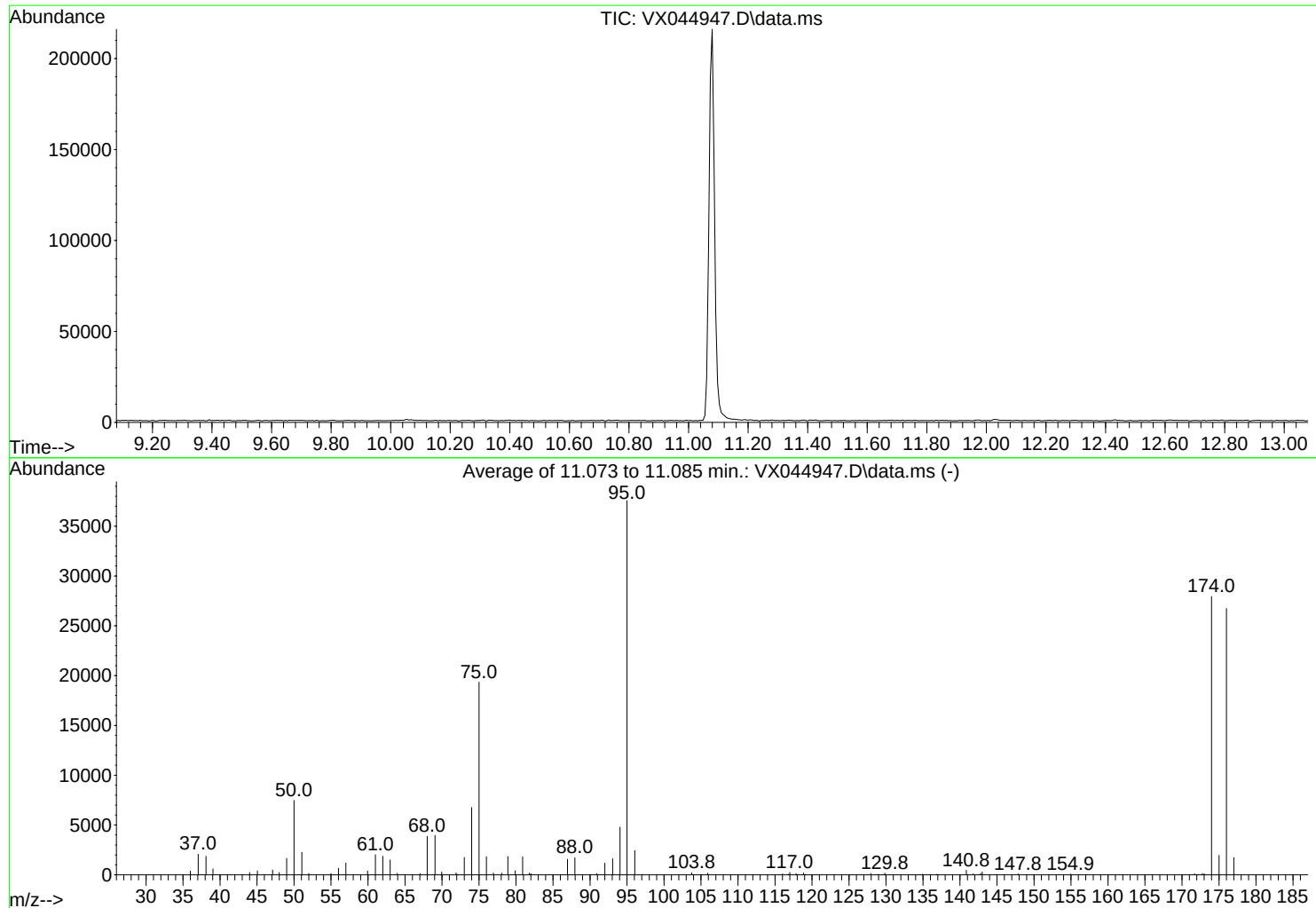
| Target<br>Mass | Rel. to<br>Mass | Lower<br>Limit% | Upper<br>Limit% | Rel.<br>Abn% | Raw<br>Abn | Result<br>Pass/Fail |
|----------------|-----------------|-----------------|-----------------|--------------|------------|---------------------|
| 50             | 95              | 15              | 40              | 19.7         | 7876       | PASS                |
| 75             | 95              | 30              | 60              | 52.3         | 20977      | PASS                |
| 95             | 95              | 100             | 100             | 100.0        | 40077      | PASS                |
| 96             | 95              | 5               | 9               | 6.9          | 2783       | PASS                |
| 173            | 174             | 0.00            | 2               | 0.6          | 186        | PASS                |
| 174            | 95              | 50              | 100             | 75.9         | 30400      | PASS                |
| 175            | 174             | 5               | 9               | 7.5          | 2286       | PASS                |
| 176            | 174             | 95              | 101             | 95.7         | 29104      | PASS                |
| 177            | 176             | 5               | 9               | 6.2          | 1810       | PASS                |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021425\  
Data File : VX044947.D  
Acq On : 14 Feb 2025 09:35  
Operator : JC/MD  
Sample : BFB  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
Title : SW846 8260  
Last Update : Tue Feb 11 03:41:08 2025



AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1632

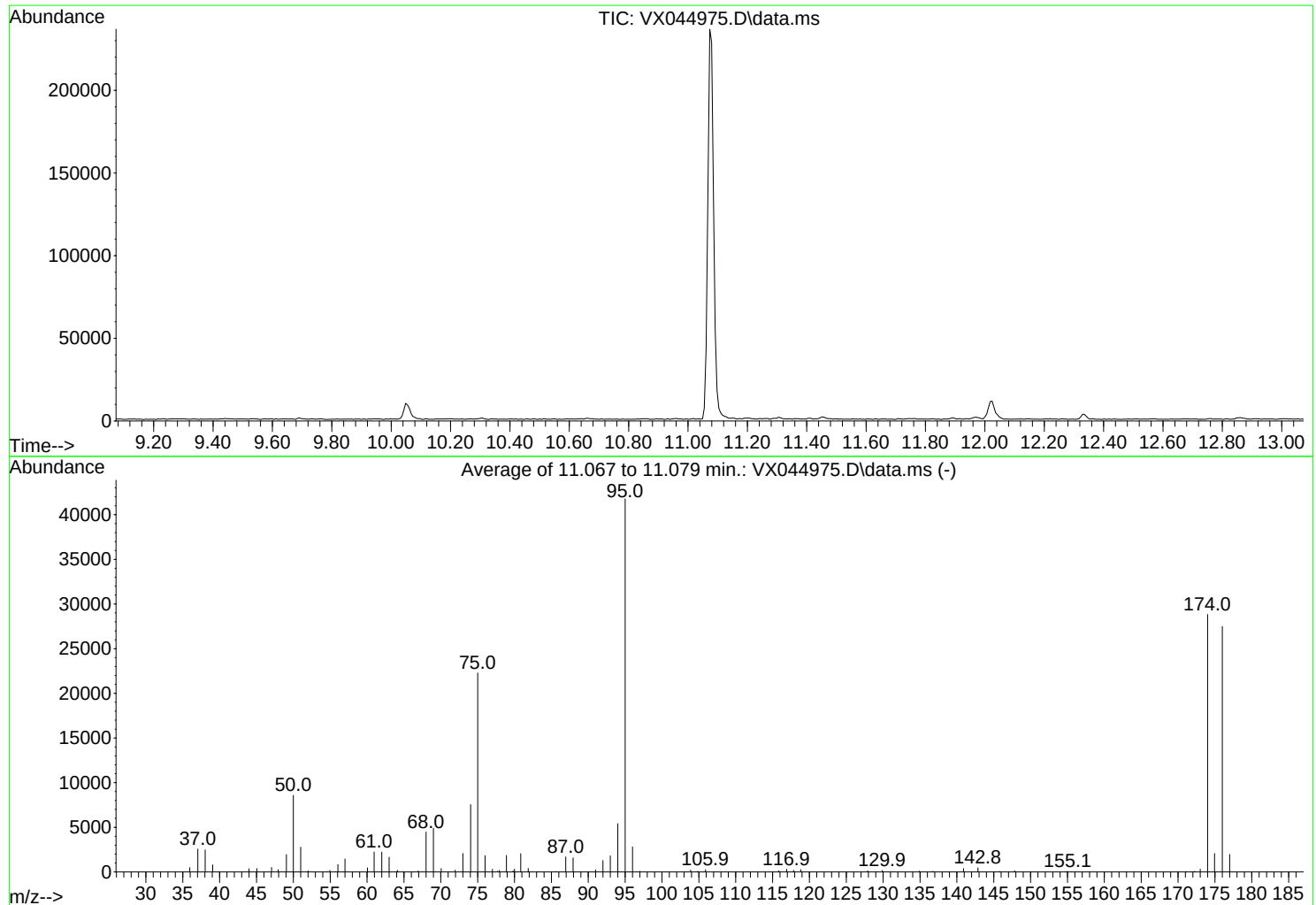
| Target<br>Mass | Rel. to<br>Mass | Lower<br>Limit% | Upper<br>Limit% | Rel.<br>Abn% | Raw<br>Abn | Result<br>Pass/Fail |
|----------------|-----------------|-----------------|-----------------|--------------|------------|---------------------|
| 50             | 95              | 15              | 40              | 19.9         | 7474       | PASS                |
| 75             | 95              | 30              | 60              | 51.5         | 19351      | PASS                |
| 95             | 95              | 100             | 100             | 100.0        | 37579      | PASS                |
| 96             | 95              | 5               | 9               | 6.5          | 2435       | PASS                |
| 173            | 174             | 0.00            | 2               | 0.5          | 150        | PASS                |
| 174            | 95              | 50              | 100             | 74.3         | 27939      | PASS                |
| 175            | 174             | 5               | 9               | 7.0          | 1953       | PASS                |
| 176            | 174             | 95              | 101             | 95.7         | 26739      | PASS                |
| 177            | 176             | 5               | 9               | 6.5          | 1738       | PASS                |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021825\  
Data File : VX044975.D  
Acq On : 18 Feb 2025 09:46  
Operator : JC/MD  
Sample : BFB  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
Title : SW846 8260  
Last Update : Tue Feb 11 03:41:08 2025



AutoFind: Scans 1637, 1638, 1639; Background Corrected with Scan 1631

| Target<br>Mass | Rel. to<br>Mass | Lower<br>Limit% | Upper<br>Limit% | Rel.<br>Abn% | Raw<br>Abn | Result<br>Pass/Fail |
|----------------|-----------------|-----------------|-----------------|--------------|------------|---------------------|
| 50             | 95              | 15              | 40              | 20.5         | 8576       | PASS                |
| 75             | 95              | 30              | 60              | 53.4         | 22293      | PASS                |
| 95             | 95              | 100             | 100             | 100.0        | 41784      | PASS                |
| 96             | 95              | 5               | 9               | 6.7          | 2810       | PASS                |
| 173            | 174             | 0.00            | 2               | 1.1          | 311        | PASS                |
| 174            | 95              | 50              | 100             | 69.0         | 28824      | PASS                |
| 175            | 174             | 5               | 9               | 7.2          | 2082       | PASS                |
| 176            | 174             | 95              | 101             | 95.3         | 27481      | PASS                |
| 177            | 176             | 5               | 9               | 7.2          | 1967       | PASS                |

## Report of Analysis

|                    |                          |        |      |                 |               |
|--------------------|--------------------------|--------|------|-----------------|---------------|
| Client:            | TechLaw Consultants, Inc |        |      | Date Collected: |               |
| Project:           | REAC Commodore           |        |      | Date Received:  |               |
| Client Sample ID:  | VX0214WBL01              |        |      | SDG No.:        | Q1363         |
| Lab Sample ID:     | VX0214WBL01              |        |      | Matrix:         | Water         |
| Analytical Method: | SW8260                   |        |      | % Solid:        | 0             |
| Sample Wt/Vol:     | 5                        | Units: | mL   | Final Vol:      | 5000 uL       |
| Soil Aliquot Vol:  |                          |        | uL   | Test:           | VOC-TCLVOA-10 |
| GC Column:         | DB-624UI                 | ID :   | 0.18 | Level :         | LOW           |
| Prep Method :      |                          |        |      |                 |               |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
|-------------------|-----------|-----------|----------------|---------------|
| VX044950.D        | 1         |           | 02/14/25 10:51 | VX021425      |

| CAS Number     | Parameter                      | Conc. | Qualifier | MDL  | LOQ / CRQL | Units |
|----------------|--------------------------------|-------|-----------|------|------------|-------|
| <b>TARGETS</b> |                                |       |           |      |            |       |
| 75-71-8        | Dichlorodifluoromethane        | 0.21  | U         | 0.21 | 1.00       | ug/L  |
| 74-87-3        | Chloromethane                  | 0.35  | U         | 0.35 | 1.00       | ug/L  |
| 75-01-4        | Vinyl Chloride                 | 0.34  | U         | 0.34 | 1.00       | ug/L  |
| 74-83-9        | Bromomethane                   | 1.40  | U         | 1.40 | 5.00       | ug/L  |
| 75-00-3        | Chloroethane                   | 0.56  | U         | 0.56 | 1.00       | ug/L  |
| 75-69-4        | Trichlorofluoromethane         | 0.34  | U         | 0.34 | 1.00       | ug/L  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 0.25  | U         | 0.25 | 1.00       | ug/L  |
| 75-35-4        | 1,1-Dichloroethene             | 0.26  | U         | 0.26 | 1.00       | ug/L  |
| 67-64-1        | Acetone                        | 1.40  | U         | 1.40 | 5.00       | ug/L  |
| 75-15-0        | Carbon Disulfide               | 0.32  | U         | 0.32 | 1.00       | ug/L  |
| 1634-04-4      | Methyl tert-butyl Ether        | 0.16  | U         | 0.16 | 1.00       | ug/L  |
| 79-20-9        | Methyl Acetate                 | 0.60  | U         | 0.60 | 1.00       | ug/L  |
| 75-09-2        | Methylene Chloride             | 0.32  | U         | 0.32 | 1.00       | ug/L  |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.25  | U         | 0.25 | 1.00       | ug/L  |
| 75-34-3        | 1,1-Dichloroethane             | 0.23  | U         | 0.23 | 1.00       | ug/L  |
| 110-82-7       | Cyclohexane                    | 1.60  | U         | 1.60 | 5.00       | ug/L  |
| 78-93-3        | 2-Butanone                     | 1.30  | U         | 1.30 | 5.00       | ug/L  |
| 56-23-5        | Carbon Tetrachloride           | 0.25  | U         | 0.25 | 1.00       | ug/L  |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.25  | U         | 0.25 | 1.00       | ug/L  |
| 74-97-5        | Bromochloromethane             | 0.18  | U         | 0.18 | 1.00       | ug/L  |
| 67-66-3        | Chloroform                     | 0.26  | U         | 0.26 | 1.00       | ug/L  |
| 71-55-6        | 1,1,1-Trichloroethane          | 0.19  | U         | 0.19 | 1.00       | ug/L  |
| 108-87-2       | Methylcyclohexane              | 0.19  | U         | 0.19 | 1.00       | ug/L  |
| 71-43-2        | Benzene                        | 0.16  | U         | 0.16 | 1.00       | ug/L  |
| 107-06-2       | 1,2-Dichloroethane             | 0.24  | U         | 0.24 | 1.00       | ug/L  |
| 79-01-6        | Trichloroethene                | 0.32  | U         | 0.32 | 1.00       | ug/L  |
| 78-87-5        | 1,2-Dichloropropane            | 0.19  | U         | 0.19 | 1.00       | ug/L  |
| 75-27-4        | Bromodichloromethane           | 0.24  | U         | 0.24 | 1.00       | ug/L  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 0.75  | U         | 0.75 | 5.00       | ug/L  |
| 108-88-3       | Toluene                        | 0.18  | U         | 0.18 | 1.00       | ug/L  |

### Report of Analysis

|                    |                          |           |                 |               |
|--------------------|--------------------------|-----------|-----------------|---------------|
| Client:            | TechLaw Consultants, Inc |           | Date Collected: |               |
| Project:           | REAC Commodore           |           | Date Received:  |               |
| Client Sample ID:  | VX0214WBL01              |           | SDG No.:        | Q1363         |
| Lab Sample ID:     | VX0214WBL01              |           | Matrix:         | Water         |
| Analytical Method: | SW8260                   |           | % Solid:        | 0             |
| Sample Wt/Vol:     | 5                        | Units: mL | Final Vol:      | 5000 uL       |
| Soil Aliquot Vol:  |                          | uL        | Test:           | VOC-TCLVOA-10 |
| GC Column:         | DB-624UI                 | ID : 0.18 | Level :         | LOW           |
| Prep Method :      |                          |           |                 |               |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX044950.D        | 1         |           | 02/14/25 10:51 | VX021425      |

| CAS Number                | Parameter                   | Conc.  | Qualifier | MDL      | LOQ / CRQL | Units   |
|---------------------------|-----------------------------|--------|-----------|----------|------------|---------|
| 10061-02-6                | t-1,3-Dichloropropene       | 0.21   | U         | 0.21     | 1.00       | ug/L    |
| 10061-01-5                | cis-1,3-Dichloropropene     | 0.18   | U         | 0.18     | 1.00       | ug/L    |
| 79-00-5                   | 1,1,2-Trichloroethane       | 0.21   | U         | 0.21     | 1.00       | ug/L    |
| 591-78-6                  | 2-Hexanone                  | 1.10   | U         | 1.10     | 5.00       | ug/L    |
| 124-48-1                  | Dibromochloromethane        | 0.18   | U         | 0.18     | 1.00       | ug/L    |
| 106-93-4                  | 1,2-Dibromoethane           | 0.16   | U         | 0.16     | 1.00       | ug/L    |
| 127-18-4                  | Tetrachloroethene           | 0.25   | U         | 0.25     | 1.00       | ug/L    |
| 108-90-7                  | Chlorobenzene               | 0.13   | U         | 0.13     | 1.00       | ug/L    |
| 100-41-4                  | Ethyl Benzene               | 0.16   | U         | 0.16     | 1.00       | ug/L    |
| 179601-23-1               | m/p-Xylenes                 | 0.31   | U         | 0.31     | 2.00       | ug/L    |
| 95-47-6                   | o-Xylene                    | 0.14   | U         | 0.14     | 1.00       | ug/L    |
| 100-42-5                  | Styrene                     | 0.16   | U         | 0.16     | 1.00       | ug/L    |
| 75-25-2                   | Bromoform                   | 0.21   | U         | 0.21     | 1.00       | ug/L    |
| 98-82-8                   | Isopropylbenzene            | 0.13   | U         | 0.13     | 1.00       | ug/L    |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane   | 0.27   | U         | 0.27     | 1.00       | ug/L    |
| 541-73-1                  | 1,3-Dichlorobenzene         | 0.24   | U         | 0.24     | 1.00       | ug/L    |
| 106-46-7                  | 1,4-Dichlorobenzene         | 0.27   | U         | 0.27     | 1.00       | ug/L    |
| 95-50-1                   | 1,2-Dichlorobenzene         | 0.19   | U         | 0.19     | 1.00       | ug/L    |
| 96-12-8                   | 1,2-Dibromo-3-Chloropropane | 0.46   | U         | 0.46     | 1.00       | ug/L    |
| 120-82-1                  | 1,2,4-Trichlorobenzene      | 0.42   | U         | 0.42     | 1.00       | ug/L    |
| 87-61-6                   | 1,2,3-Trichlorobenzene      | 0.51   | U         | 0.51     | 1.00       | ug/L    |
| <b>SURROGATES</b>         |                             |        |           |          |            |         |
| 17060-07-0                | 1,2-Dichloroethane-d4       | 55.2   |           | 74 - 125 | 110%       | SPK: 50 |
| 1868-53-7                 | Dibromofluoromethane        | 51.7   |           | 75 - 124 | 103%       | SPK: 50 |
| 2037-26-5                 | Toluene-d8                  | 50.7   |           | 86 - 113 | 101%       | SPK: 50 |
| 460-00-4                  | 4-Bromofluorobenzene        | 50.6   |           | 77 - 121 | 101%       | SPK: 50 |
| <b>INTERNAL STANDARDS</b> |                             |        |           |          |            |         |
| 363-72-4                  | Pentafluorobenzene          | 79200  | 5.544     |          |            |         |
| 540-36-3                  | 1,4-Difluorobenzene         | 161000 | 6.757     |          |            |         |
| 3114-55-4                 | Chlorobenzene-d5            | 146000 | 10.049    |          |            |         |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4      | 59200  | 12.018    |          |            |         |

## Report of Analysis

|                    |                          |           |                 |               |
|--------------------|--------------------------|-----------|-----------------|---------------|
| Client:            | TechLaw Consultants, Inc |           | Date Collected: |               |
| Project:           | REAC Commodore           |           | Date Received:  |               |
| Client Sample ID:  | VX0214WBL01              |           | SDG No.:        | Q1363         |
| Lab Sample ID:     | VX0214WBL01              |           | Matrix:         | Water         |
| Analytical Method: | SW8260                   |           | % Solid:        | 0             |
| Sample Wt/Vol:     | 5                        | Units: mL | Final Vol:      | 5000 uL       |
| Soil Aliquot Vol:  |                          | uL        | Test:           | VOC-TCLVOA-10 |
| GC Column:         | DB-624UI                 | ID : 0.18 | Level :         | LOW           |
| Prep Method :      |                          |           |                 |               |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX044950.D        | 1         |           | 02/14/25 10:51 | VX021425      |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|------------|-----------|-------|-----------|-----|------------|-------|
|------------|-----------|-------|-----------|-----|------------|-------|

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021425\  
 Data File : VX044950.D  
 Acq On : 14 Feb 2025 10:51  
 Operator : JC/MD  
 Sample : VX0214WBL01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0214WBL01

Quant Time: Feb 14 22:11:37 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 11 03:41:08 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.544  | 168  | 79162    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.757  | 114  | 161000   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.049 | 117  | 145614   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152  | 59196    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 5.946  | 65    | 63986    | 55.218   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 110.440% |
| 35) Dibromofluoromethane    | 5.379  | 113   | 54109    | 51.691   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 103.380% |
| 50) Toluene-d8              | 8.647  | 98    | 200707   | 50.706   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 101.420% |
| 62) 4-Bromofluorobenzene    | 11.079 | 95    | 67459    | 50.553   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =    | 101.100% |

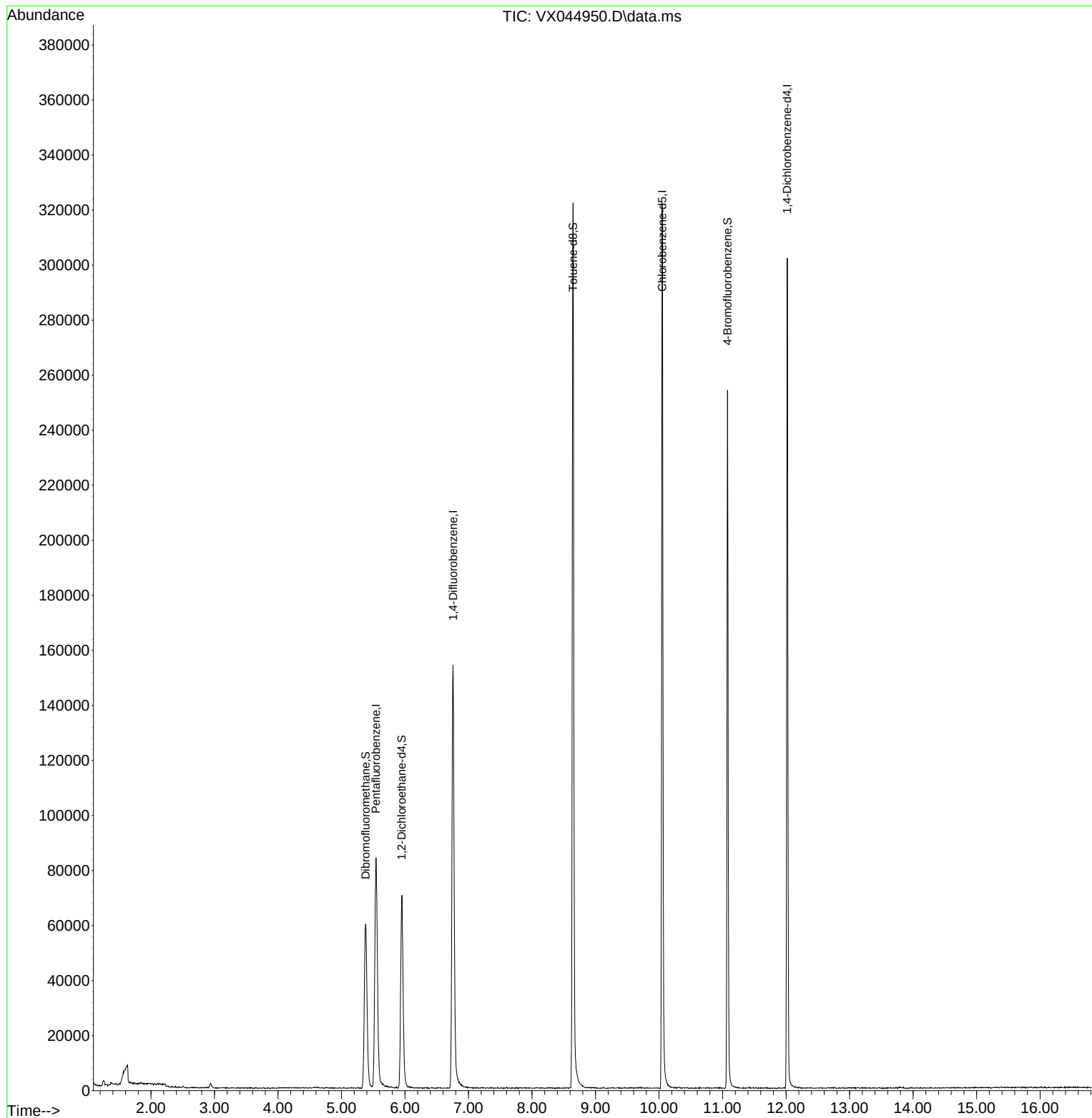
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

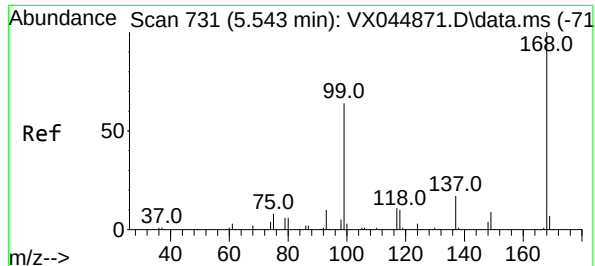
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021425\  
Data File : VX044950.D  
Acq On : 14 Feb 2025 10:51  
Operator : JC/MD  
Sample : VX0214WBL01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0214WBL01

Quant Time: Feb 14 22:11:37 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
Quant Title : SW846 8260  
QLast Update : Tue Feb 11 03:41:08 2025  
Response via : Initial Calibration

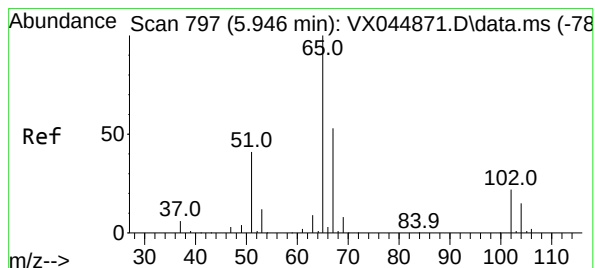
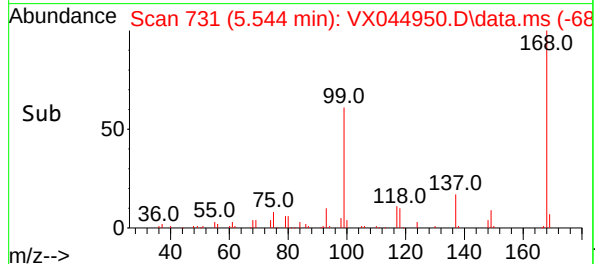
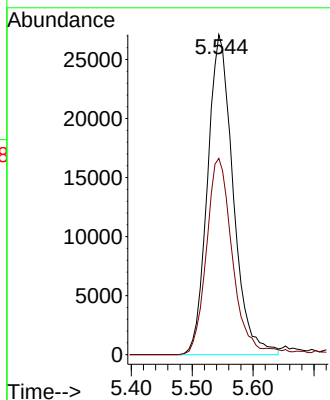
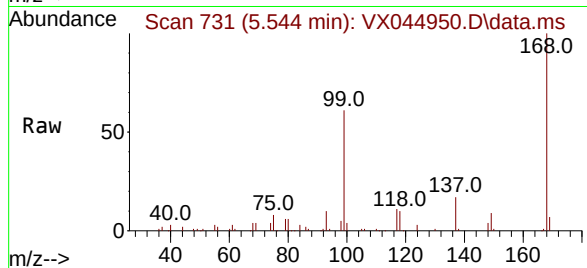




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.544 min Scan# 731  
Delta R.T. 0.001 min  
Lab File: VX044950.D  
Acq: 14 Feb 2025 10:51

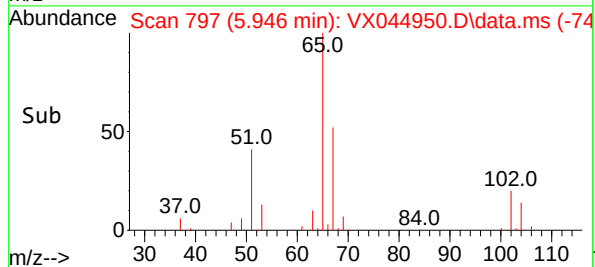
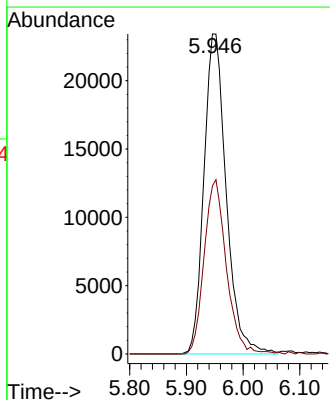
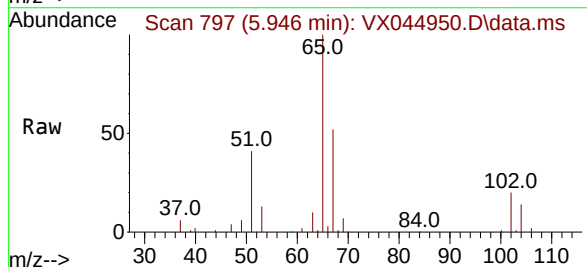
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0214WBL01

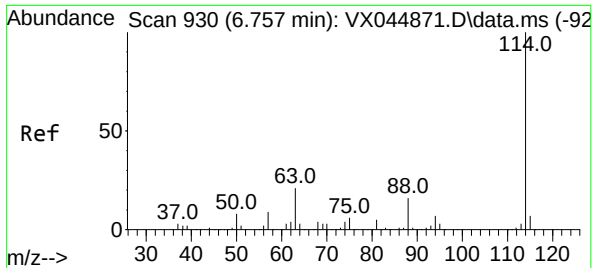
Tgt Ion:168 Resp: 79162  
Ion Ratio Lower Upper  
168 100  
99 61.3 51.2 76.8



#33  
1,2-Dichloroethane-d4  
Concen: 55.218 ug/l  
RT: 5.946 min Scan# 797  
Delta R.T. 0.000 min  
Lab File: VX044950.D  
Acq: 14 Feb 2025 10:51

Tgt Ion: 65 Resp: 63986  
Ion Ratio Lower Upper  
65 100  
67 54.3 0.0 108.2

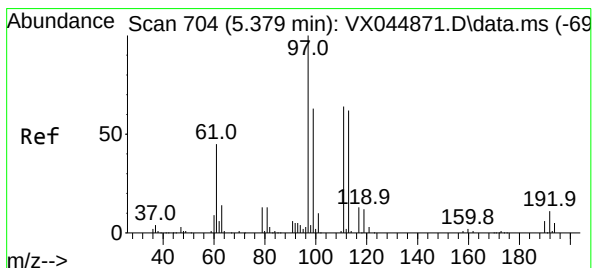
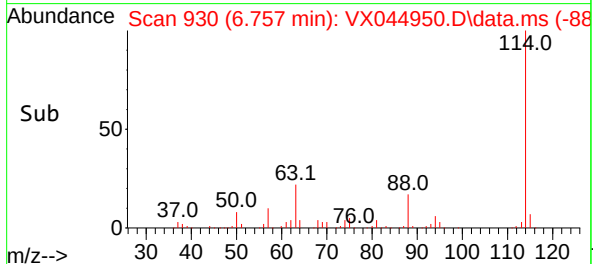
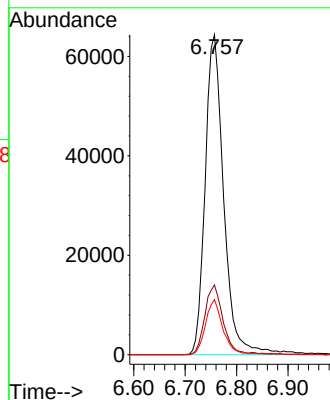
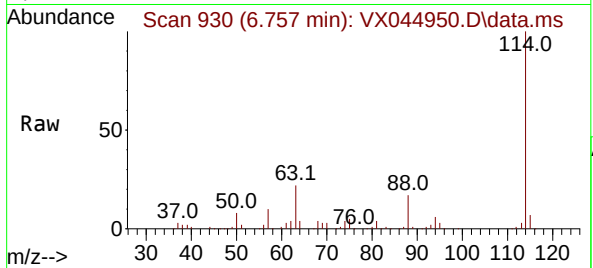




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 6.757 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VX044950.D  
Acq: 14 Feb 2025 10:51

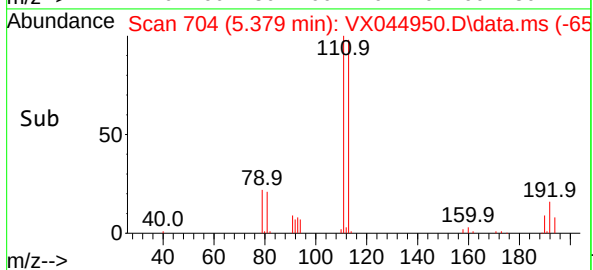
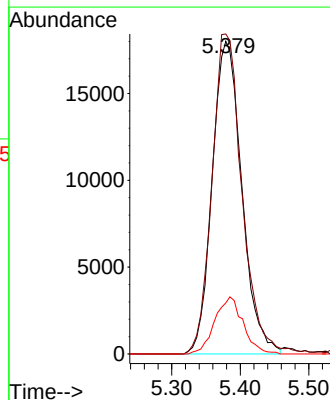
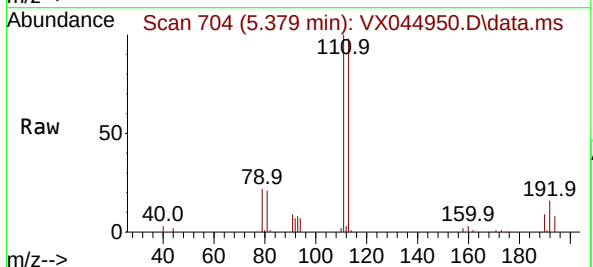
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0214WBL01

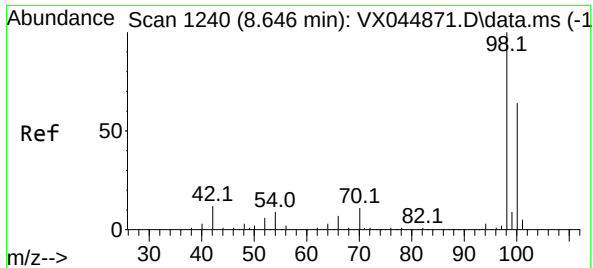
Tgt Ion:114 Resp: 161000  
Ion Ratio Lower Upper  
114 100  
63 21.8 0.0 42.4  
88 17.2 0.0 31.4



#35  
Dibromofluoromethane  
Concen: 51.691 ug/l  
RT: 5.379 min Scan# 704  
Delta R.T. 0.000 min  
Lab File: VX044950.D  
Acq: 14 Feb 2025 10:51

Tgt Ion:113 Resp: 54109  
Ion Ratio Lower Upper  
113 100  
111 103.6 83.5 125.3  
192 17.5 14.4 21.6

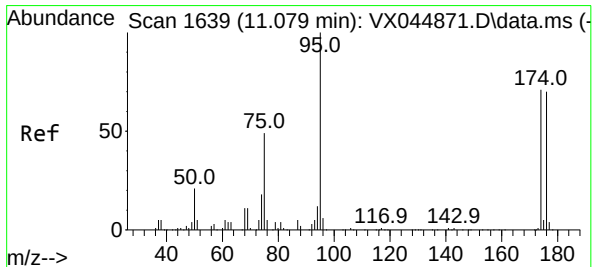
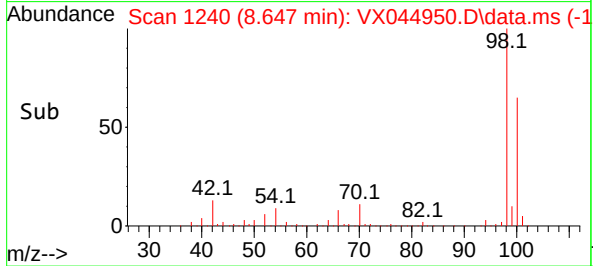
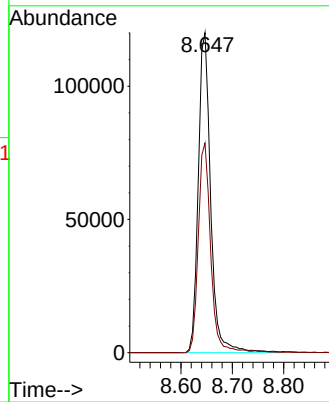
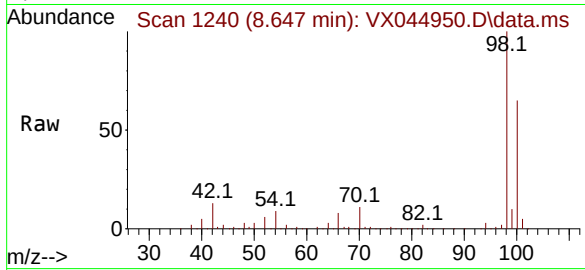




#50  
Toluene-d8  
Concen: 50.706 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX044950.D  
Acq: 14 Feb 2025 10:51

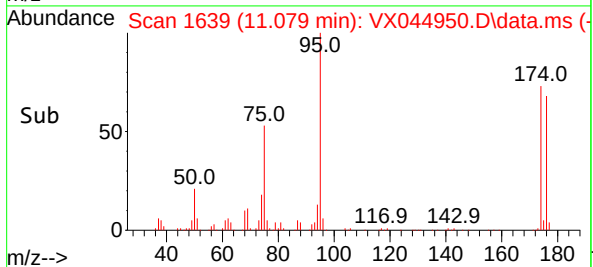
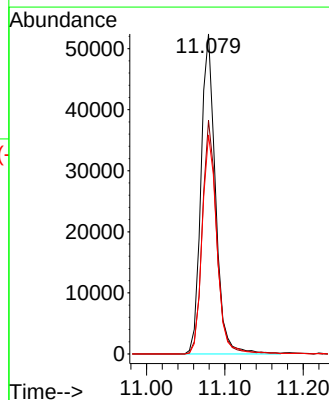
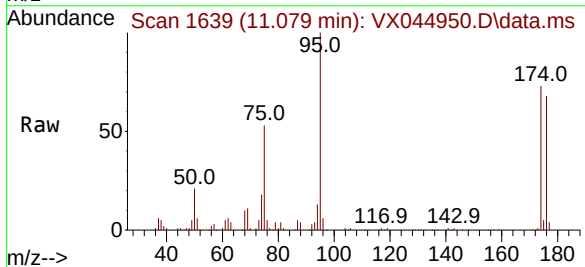
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0214WBL01

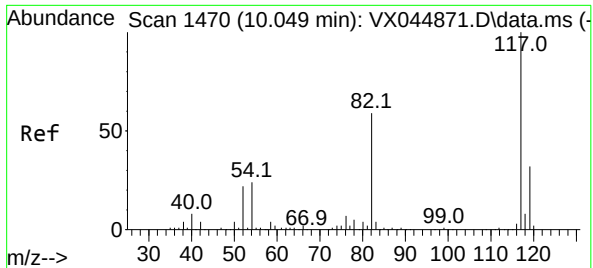
Tgt Ion: 98 Resp: 200707  
Ion Ratio Lower Upper  
98 100  
100 65.1 52.7 79.1



#62  
4-Bromofluorobenzene  
Concen: 50.553 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX044950.D  
Acq: 14 Feb 2025 10:51

Tgt Ion: 95 Resp: 67459  
Ion Ratio Lower Upper  
95 100  
174 72.3 0.0 142.6  
176 69.9 0.0 141.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. 0.000 min

Lab File: VX044950.D

Acq: 14 Feb 2025 10:51

Instrument :

MSVOA\_X

ClientSampleId :

VX0214WBL01

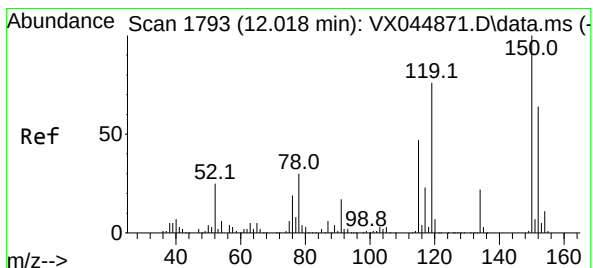
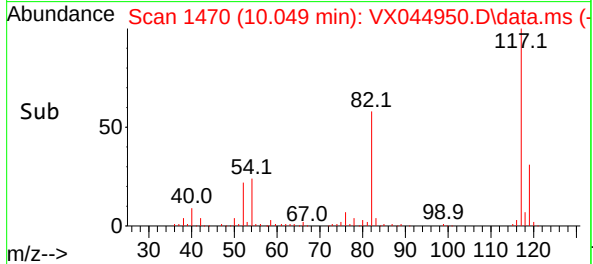
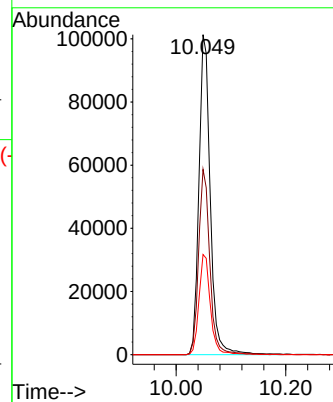
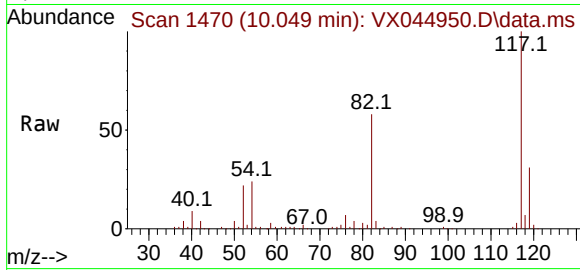
Tgt Ion:117 Resp: 145614

Ion Ratio Lower Upper

117 100

82 57.9 47.5 71.3

119 31.3 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VX044950.D

Acq: 14 Feb 2025 10:51

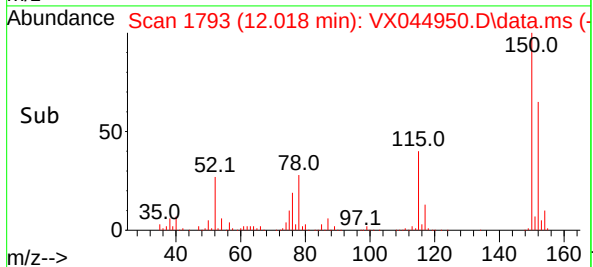
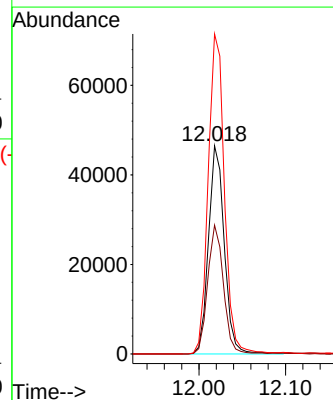
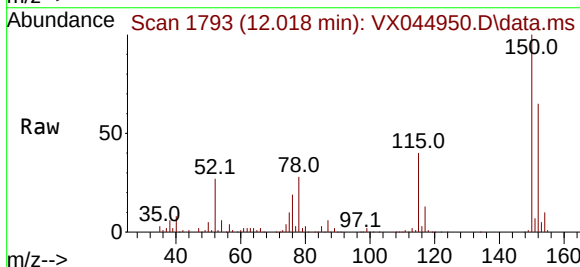
Tgt Ion:152 Resp: 59196

Ion Ratio Lower Upper

152 100

115 62.1 43.4 130.1

150 156.7 0.0 350.4



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021425\  
Data File : VX044950.D  
Acq On : 14 Feb 2025 10:51  
Operator : JC/MD  
Sample : VX0214WBL01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0214WBL01

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M

Title : SW846 8260

Signal : TIC: VX044950.D\data.ms

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 1.563       | 70            | 78          | 79           | rBV3     | 4617           | 8063          | 1.49%           | 0.297%        |
| 2         | 5.379       | 694           | 704         | 720          | rBV2     | 59757          | 181134        | 33.41%          | 6.672%        |
| 3         | 5.544       | 720           | 731         | 748          | rBV      | 83332          | 243368        | 44.89%          | 8.964%        |
| 4         | 5.952       | 788           | 798         | 813          | rBV      | 70120          | 186873        | 34.47%          | 6.883%        |
| 5         | 6.757       | 921           | 930         | 945          | rBV      | 153743         | 380831        | 70.25%          | 14.027%       |
| 6         | 8.647       | 1233          | 1240        | 1265         | rBV      | 321577         | 542120        | 100.00%         | 19.968%       |
| 7         | 10.049      | 1465          | 1470        | 1490         | rBV      | 322002         | 464055        | 85.60%          | 17.093%       |
| 8         | 11.079      | 1633          | 1639        | 1652         | rBV      | 253690         | 326007        | 60.14%          | 12.008%       |
| 9         | 12.018      | 1788          | 1793        | 1805         | rBV      | 301716         | 382491        | 70.55%          | 14.088%       |

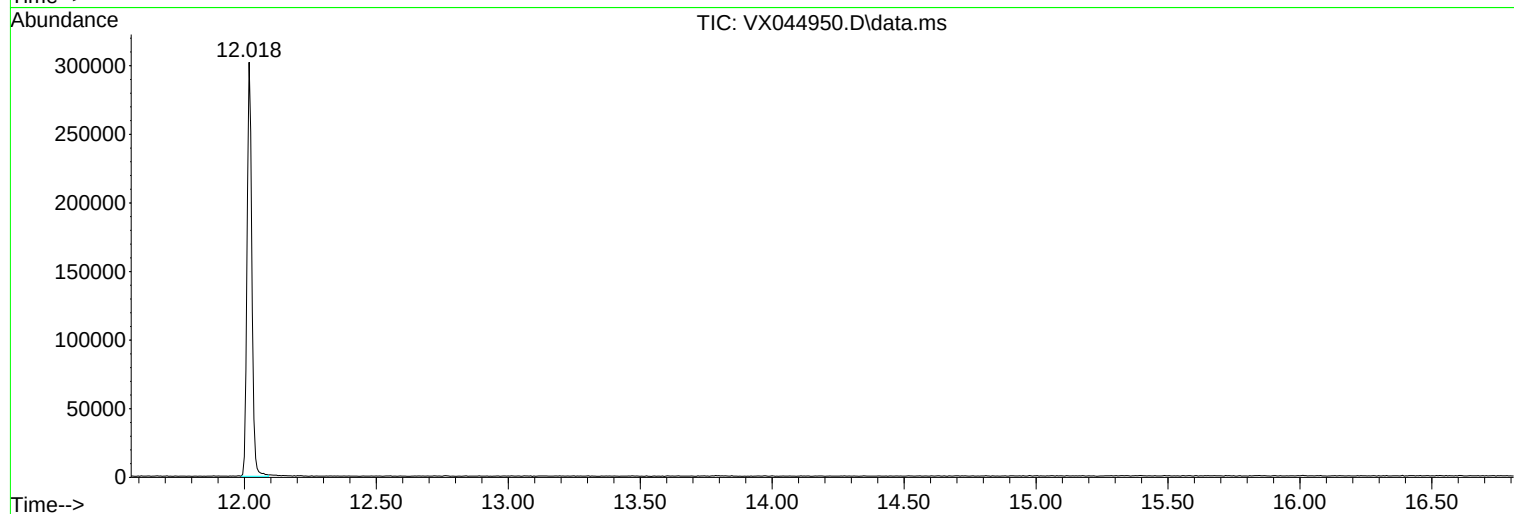
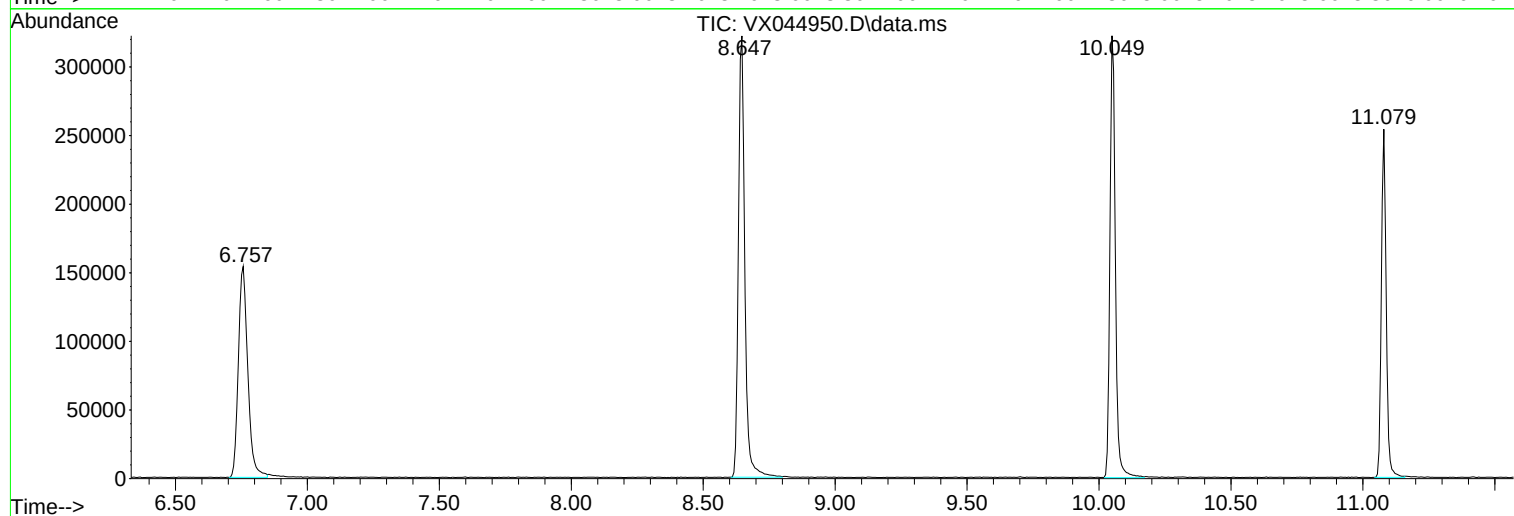
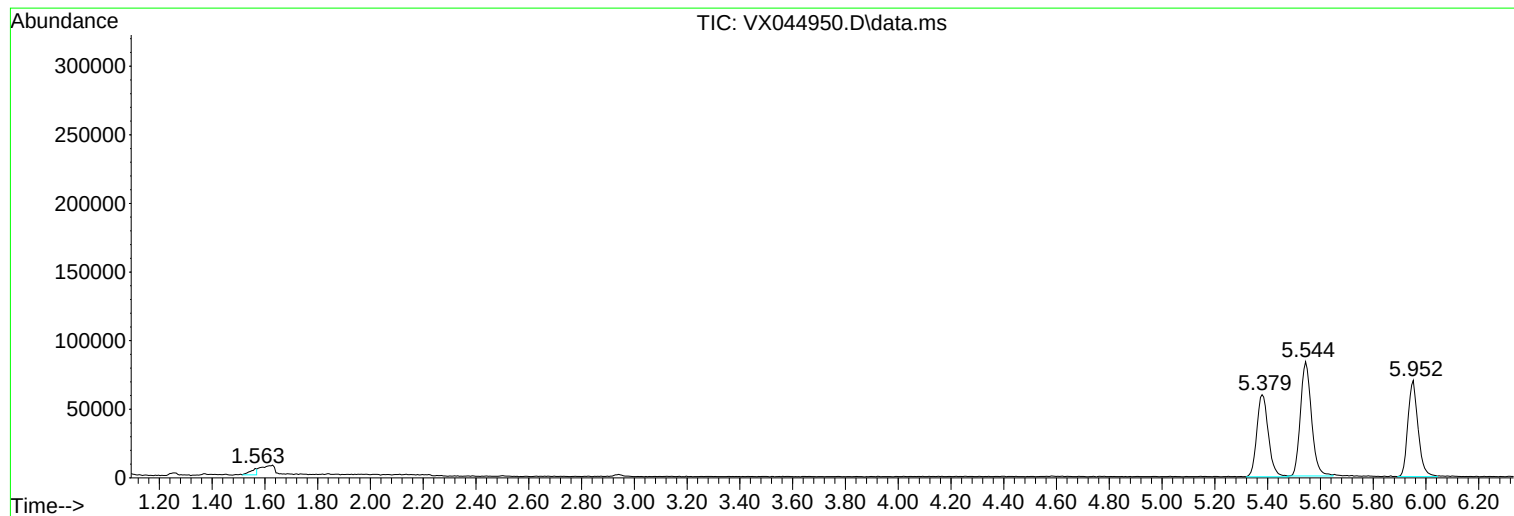
Sum of corrected areas: 2714942

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021425\  
Data File : VX044950.D  
Acq On : 14 Feb 2025 10:51  
Operator : JC/MD  
Sample : VX0214WBL01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0214WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021425\  
Data File : VX044950.D  
Acq On : 14 Feb 2025 10:51  
Operator : JC/MD  
Sample : VX0214WBL01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0214WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
Quant Title : SW846 8260

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

No Library Search Compounds Detected

\*\*\*\*\*

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021425\  
Data File : VX044950.D  
Acq On : 14 Feb 2025 10:51  
Operator : JC/MD  
Sample : VX0214WBL01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0214WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
Quant Title : SW846 8260

TIC Library : C:\Database\NIST0.L  
TIC Integration Parameters: LSCINT.P

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

-----

## Report of Analysis

|                    |                                            |                 |                              |
|--------------------|--------------------------------------------|-----------------|------------------------------|
| Client:            | TechLaw Consultants, Inc                   | Date Collected: |                              |
| Project:           | REAC Commodore                             | Date Received:  |                              |
| Client Sample ID:  | VX0218WBL01                                | SDG No.:        | Q1363                        |
| Lab Sample ID:     | VX0218WBL01                                | Matrix:         | Water                        |
| Analytical Method: | SW8260                                     | % Solid:        | 0                            |
| Sample Wt/Vol:     | 5                      Units:    mL        | Final Vol:      | 5000                      uL |
| Soil Aliquot Vol:  | uL                                         | Test:           | VOC-TCLVOA-10                |
| GC Column:         | DB-624UI                      ID :    0.18 | Level :         | LOW                          |
| Prep Method :      |                                            |                 |                              |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX044978.D        | 1         |           | 02/18/25 11:31 | VX021825      |

| CAS Number     | Parameter                      | Conc. | Qualifier | MDL  | LOQ / CRQL | Units |
|----------------|--------------------------------|-------|-----------|------|------------|-------|
| <b>TARGETS</b> |                                |       |           |      |            |       |
| 75-71-8        | Dichlorodifluoromethane        | 0.21  | U         | 0.21 | 1.00       | ug/L  |
| 74-87-3        | Chloromethane                  | 0.35  | U         | 0.35 | 1.00       | ug/L  |
| 75-01-4        | Vinyl Chloride                 | 0.34  | U         | 0.34 | 1.00       | ug/L  |
| 74-83-9        | Bromomethane                   | 1.40  | U         | 1.40 | 5.00       | ug/L  |
| 75-00-3        | Chloroethane                   | 0.56  | U         | 0.56 | 1.00       | ug/L  |
| 75-69-4        | Trichlorofluoromethane         | 0.34  | U         | 0.34 | 1.00       | ug/L  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 0.25  | U         | 0.25 | 1.00       | ug/L  |
| 75-35-4        | 1,1-Dichloroethene             | 0.26  | U         | 0.26 | 1.00       | ug/L  |
| 67-64-1        | Acetone                        | 1.40  | U         | 1.40 | 5.00       | ug/L  |
| 75-15-0        | Carbon Disulfide               | 0.32  | U         | 0.32 | 1.00       | ug/L  |
| 1634-04-4      | Methyl tert-butyl Ether        | 0.16  | U         | 0.16 | 1.00       | ug/L  |
| 79-20-9        | Methyl Acetate                 | 0.60  | U         | 0.60 | 1.00       | ug/L  |
| 75-09-2        | Methylene Chloride             | 0.32  | U         | 0.32 | 1.00       | ug/L  |
| 156-60-5       | trans-1,2-Dichloroethene       | 0.25  | U         | 0.25 | 1.00       | ug/L  |
| 75-34-3        | 1,1-Dichloroethane             | 0.23  | U         | 0.23 | 1.00       | ug/L  |
| 110-82-7       | Cyclohexane                    | 1.60  | U         | 1.60 | 5.00       | ug/L  |
| 78-93-3        | 2-Butanone                     | 1.30  | U         | 1.30 | 5.00       | ug/L  |
| 56-23-5        | Carbon Tetrachloride           | 0.25  | U         | 0.25 | 1.00       | ug/L  |
| 156-59-2       | cis-1,2-Dichloroethene         | 0.25  | U         | 0.25 | 1.00       | ug/L  |
| 74-97-5        | Bromochloromethane             | 0.18  | U         | 0.18 | 1.00       | ug/L  |
| 67-66-3        | Chloroform                     | 0.26  | U         | 0.26 | 1.00       | ug/L  |
| 71-55-6        | 1,1,1-Trichloroethane          | 0.19  | U         | 0.19 | 1.00       | ug/L  |
| 108-87-2       | Methylcyclohexane              | 0.19  | U         | 0.19 | 1.00       | ug/L  |
| 71-43-2        | Benzene                        | 0.16  | U         | 0.16 | 1.00       | ug/L  |
| 107-06-2       | 1,2-Dichloroethane             | 0.24  | U         | 0.24 | 1.00       | ug/L  |
| 79-01-6        | Trichloroethene                | 0.32  | U         | 0.32 | 1.00       | ug/L  |
| 78-87-5        | 1,2-Dichloropropane            | 0.19  | U         | 0.19 | 1.00       | ug/L  |
| 75-27-4        | Bromodichloromethane           | 0.24  | U         | 0.24 | 1.00       | ug/L  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 0.75  | U         | 0.75 | 5.00       | ug/L  |
| 108-88-3       | Toluene                        | 0.18  | U         | 0.18 | 1.00       | ug/L  |

### Report of Analysis

|                    |                          |           |                 |               |
|--------------------|--------------------------|-----------|-----------------|---------------|
| Client:            | TechLaw Consultants, Inc |           | Date Collected: |               |
| Project:           | REAC Commodore           |           | Date Received:  |               |
| Client Sample ID:  | VX0218WBL01              |           | SDG No.:        | Q1363         |
| Lab Sample ID:     | VX0218WBL01              |           | Matrix:         | Water         |
| Analytical Method: | SW8260                   |           | % Solid:        | 0             |
| Sample Wt/Vol:     | 5                        | Units: mL | Final Vol:      | 5000 uL       |
| Soil Aliquot Vol:  |                          | uL        | Test:           | VOC-TCLVOA-10 |
| GC Column:         | DB-624UI                 | ID : 0.18 | Level :         | LOW           |
| Prep Method :      |                          |           |                 |               |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX044978.D        | 1         |           | 02/18/25 11:31 | VX021825      |

| CAS Number                | Parameter                   | Conc.  | Qualifier | MDL      | LOQ / CRQL | Units   |
|---------------------------|-----------------------------|--------|-----------|----------|------------|---------|
| 10061-02-6                | t-1,3-Dichloropropene       | 0.21   | U         | 0.21     | 1.00       | ug/L    |
| 10061-01-5                | cis-1,3-Dichloropropene     | 0.18   | U         | 0.18     | 1.00       | ug/L    |
| 79-00-5                   | 1,1,2-Trichloroethane       | 0.21   | U         | 0.21     | 1.00       | ug/L    |
| 591-78-6                  | 2-Hexanone                  | 1.10   | U         | 1.10     | 5.00       | ug/L    |
| 124-48-1                  | Dibromochloromethane        | 0.18   | U         | 0.18     | 1.00       | ug/L    |
| 106-93-4                  | 1,2-Dibromoethane           | 0.16   | U         | 0.16     | 1.00       | ug/L    |
| 127-18-4                  | Tetrachloroethene           | 0.25   | U         | 0.25     | 1.00       | ug/L    |
| 108-90-7                  | Chlorobenzene               | 0.13   | U         | 0.13     | 1.00       | ug/L    |
| 100-41-4                  | Ethyl Benzene               | 0.16   | U         | 0.16     | 1.00       | ug/L    |
| 179601-23-1               | m/p-Xylenes                 | 0.31   | U         | 0.31     | 2.00       | ug/L    |
| 95-47-6                   | o-Xylene                    | 0.14   | U         | 0.14     | 1.00       | ug/L    |
| 100-42-5                  | Styrene                     | 0.16   | U         | 0.16     | 1.00       | ug/L    |
| 75-25-2                   | Bromoform                   | 0.21   | U         | 0.21     | 1.00       | ug/L    |
| 98-82-8                   | Isopropylbenzene            | 0.13   | U         | 0.13     | 1.00       | ug/L    |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane   | 0.27   | U         | 0.27     | 1.00       | ug/L    |
| 541-73-1                  | 1,3-Dichlorobenzene         | 0.24   | U         | 0.24     | 1.00       | ug/L    |
| 106-46-7                  | 1,4-Dichlorobenzene         | 0.27   | U         | 0.27     | 1.00       | ug/L    |
| 95-50-1                   | 1,2-Dichlorobenzene         | 0.19   | U         | 0.19     | 1.00       | ug/L    |
| 96-12-8                   | 1,2-Dibromo-3-Chloropropane | 0.46   | U         | 0.46     | 1.00       | ug/L    |
| 120-82-1                  | 1,2,4-Trichlorobenzene      | 0.42   | U         | 0.42     | 1.00       | ug/L    |
| 87-61-6                   | 1,2,3-Trichlorobenzene      | 0.51   | U         | 0.51     | 1.00       | ug/L    |
| <b>SURROGATES</b>         |                             |        |           |          |            |         |
| 17060-07-0                | 1,2-Dichloroethane-d4       | 56.9   |           | 74 - 125 | 114%       | SPK: 50 |
| 1868-53-7                 | Dibromofluoromethane        | 52.7   |           | 75 - 124 | 105%       | SPK: 50 |
| 2037-26-5                 | Toluene-d8                  | 51.9   |           | 86 - 113 | 104%       | SPK: 50 |
| 460-00-4                  | 4-Bromofluorobenzene        | 56.4   |           | 77 - 121 | 113%       | SPK: 50 |
| <b>INTERNAL STANDARDS</b> |                             |        |           |          |            |         |
| 363-72-4                  | Pentafluorobenzene          | 92900  | 5.55      |          |            |         |
| 540-36-3                  | 1,4-Difluorobenzene         | 191000 | 6.757     |          |            |         |
| 3114-55-4                 | Chlorobenzene-d5            | 185000 | 10.049    |          |            |         |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4      | 91300  | 12.018    |          |            |         |

## Report of Analysis

|                    |                                            |                 |                              |
|--------------------|--------------------------------------------|-----------------|------------------------------|
| Client:            | TechLaw Consultants, Inc                   | Date Collected: |                              |
| Project:           | REAC Commodore                             | Date Received:  |                              |
| Client Sample ID:  | VX0218WBL01                                | SDG No.:        | Q1363                        |
| Lab Sample ID:     | VX0218WBL01                                | Matrix:         | Water                        |
| Analytical Method: | SW8260                                     | % Solid:        | 0                            |
| Sample Wt/Vol:     | 5                      Units:    mL        | Final Vol:      | 5000                      uL |
| Soil Aliquot Vol:  | uL                                         | Test:           | VOC-TCLVOA-10                |
| GC Column:         | DB-624UI                      ID :    0.18 | Level :         | LOW                          |
| Prep Method :      |                                            |                 |                              |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX044978.D        | 1         |           | 02/18/25 11:31 | VX021825      |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|------------|-----------|-------|-----------|-----|------------|-------|
|------------|-----------|-------|-----------|-----|------------|-------|

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021825\  
 Data File : VX044978.D  
 Acq On : 18 Feb 2025 11:31  
 Operator : JC/MD  
 Sample : VX0218WBL01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0218WBL01

Quant Time: Feb 18 11:57:49 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 11 03:41:08 2025  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Pentafluorobenzene       | 5.550  | 168   | 92895    | 50.00    | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.757  | 114   | 191012   | 50.00    | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 10.049 | 117   | 185140   | 50.00    | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.018 | 152   | 91305    | 50.00    | ug/l  | 0.00     |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 5.952  | 65    | 77390    | 56.91    | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =     | 113.82%  |
| 35) Dibromofluoromethane    | 5.379  | 113   | 65431    | 52.69    | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =     | 105.38%  |
| 50) Toluene-d8              | 8.647  | 98    | 243600   | 51.87    | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =     | 103.74%  |
| 62) 4-Bromofluorobenzene    | 11.079 | 95    | 89284    | 56.40    | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =     | 112.80%  |

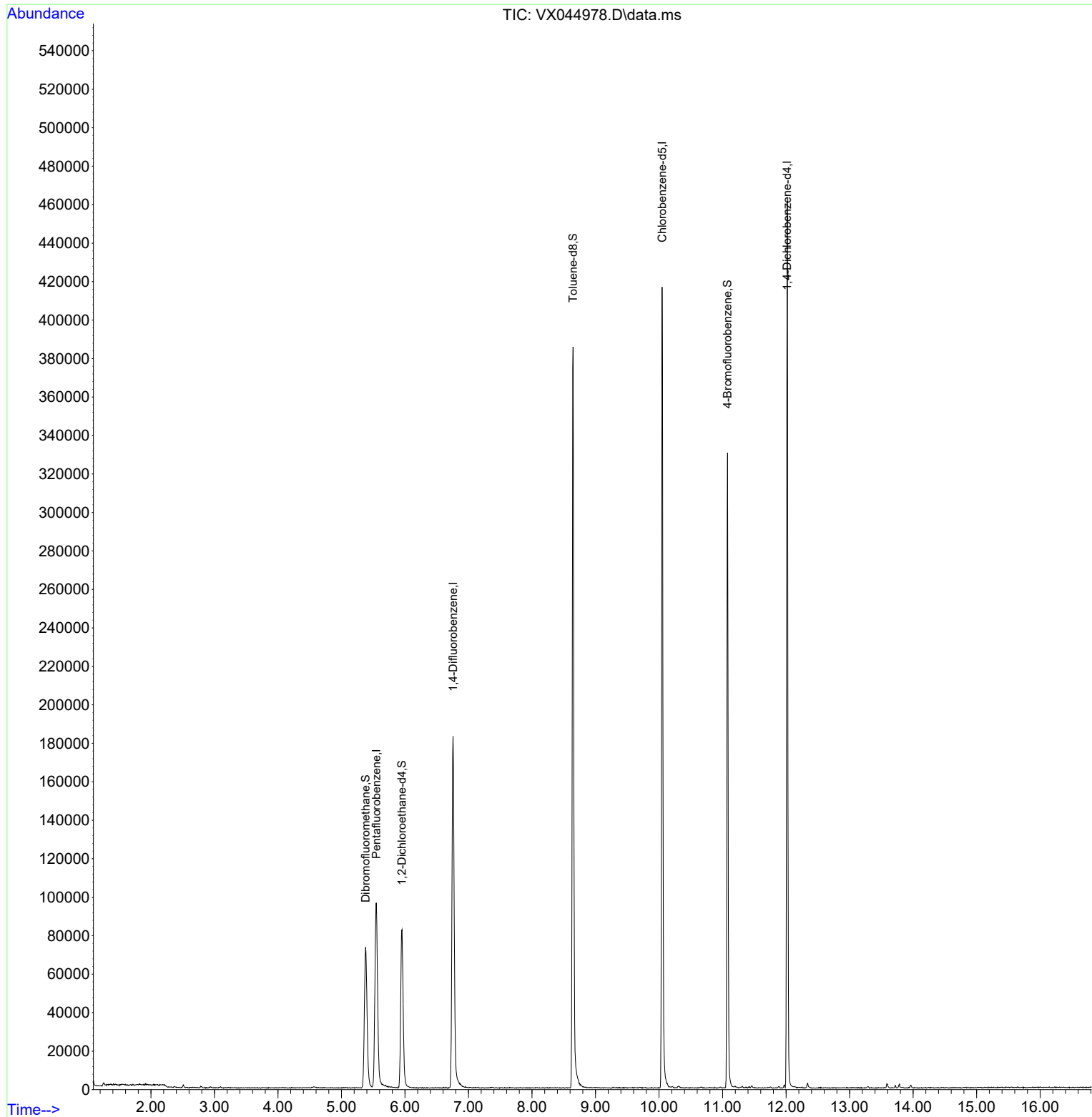
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

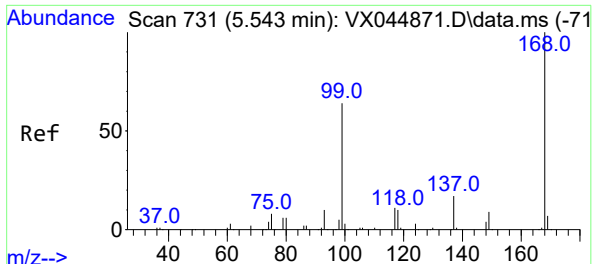
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021825\  
Data File : VX044978.D  
Acq On : 18 Feb 2025 11:31  
Operator : JC/MD  
Sample : VX0218WBL01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0218WBL01

Quant Time: Feb 18 11:57:49 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
Quant Title : SW846 8260  
QLast Update : Tue Feb 11 03:41:08 2025  
Response via : Initial Calibration

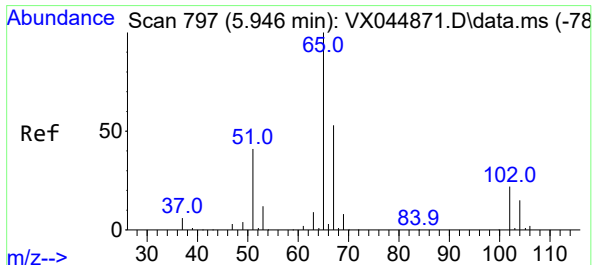
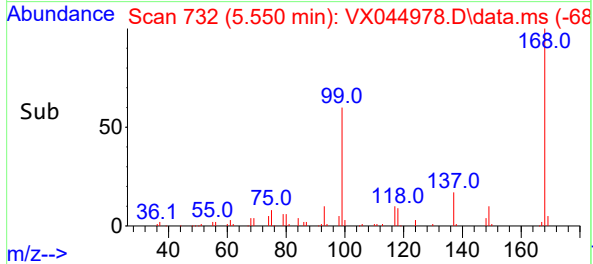
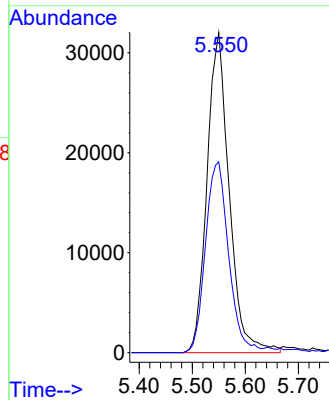
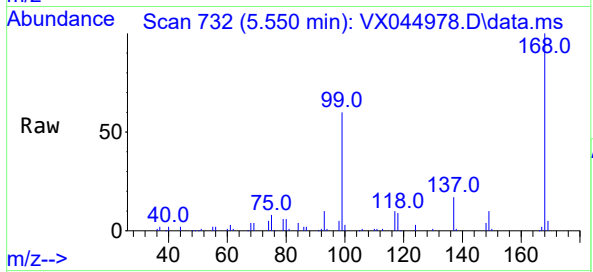




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. 0.007 min  
Lab File: VX044978.D  
Acq: 18 Feb 2025 11:31

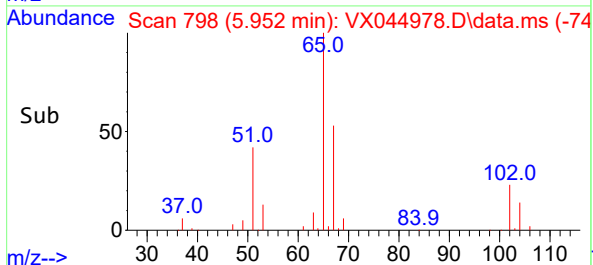
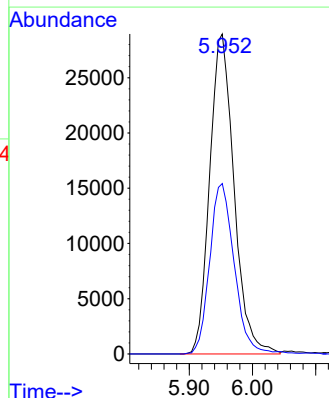
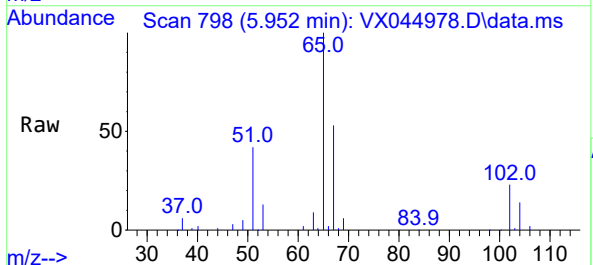
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0218WBL01

Tgt Ion:168 Resp: 92895  
Ion Ratio Lower Upper  
168 100  
99 59.6 51.2 76.8

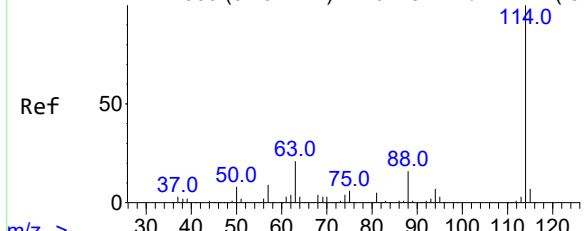


#33  
1,2-Dichloroethane-d4  
Concen: 56.91 ug/l  
RT: 5.952 min Scan# 798  
Delta R.T. 0.006 min  
Lab File: VX044978.D  
Acq: 18 Feb 2025 11:31

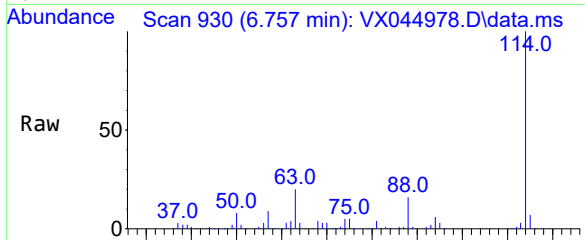
Tgt Ion: 65 Resp: 77390  
Ion Ratio Lower Upper  
65 100  
67 53.8 0.0 108.2



Abundance Scan 930 (6.757 min): VX044871.D\data.ms (-92

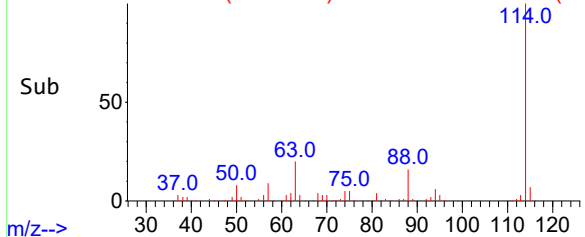


m/z--&gt;



m/z--&gt;

Abundance Scan 930 (6.757 min): VX044978.D\data.ms (-88



m/z--&gt;

#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 6.757 min Scan# 91

Delta R.T. 0.000 min

Lab File: VX044978.D

Acq: 18 Feb 2025 11:31

Instrument :

MSVOA\_X

ClientSampleId :

VX0218WBL01

Tgt Ion:114 Resp: 191012

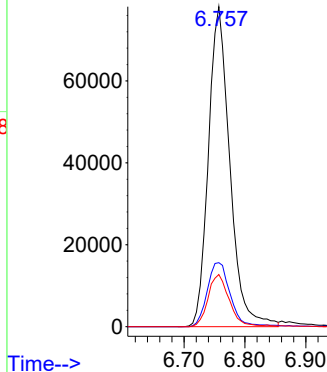
Ion Ratio Lower Upper

114 100

63 20.0 0.0 42.4

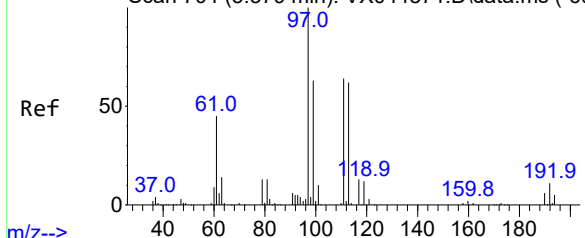
88 16.3 0.0 31.4

Abundance

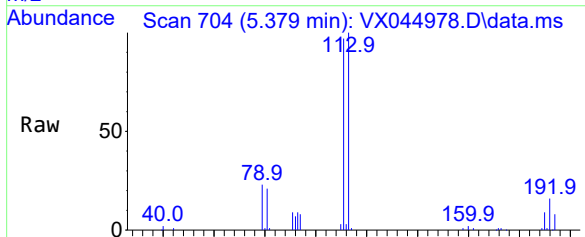


Time--&gt;

Abundance Scan 704 (5.379 min): VX044871.D\data.ms (-69

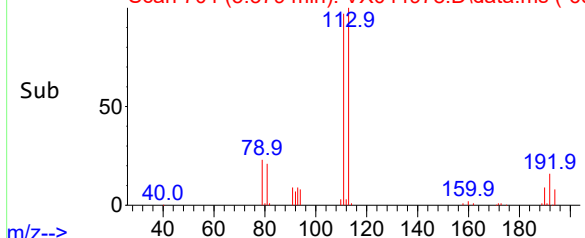


m/z--&gt;



m/z--&gt;

Abundance Scan 704 (5.379 min): VX044978.D\data.ms (-65



m/z--&gt;

#35

Dibromofluoromethane

Concen: 52.69 ug/l

RT: 5.379 min Scan# 704

Delta R.T. 0.000 min

Lab File: VX044978.D

Acq: 18 Feb 2025 11:31

Tgt Ion:113 Resp: 65431

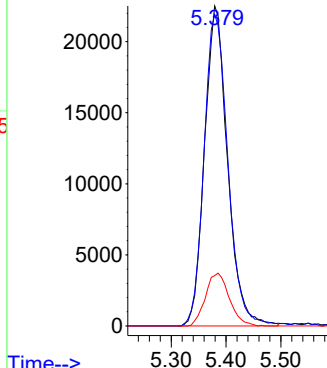
Ion Ratio Lower Upper

113 100

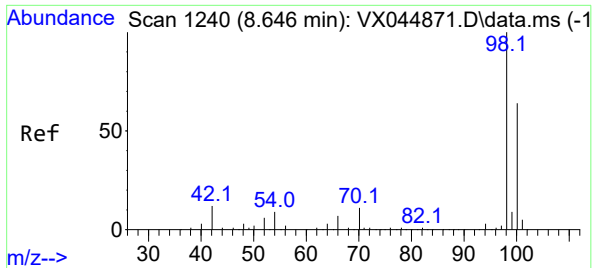
111 101.7 83.5 125.3

192 17.1 14.4 21.6

Abundance



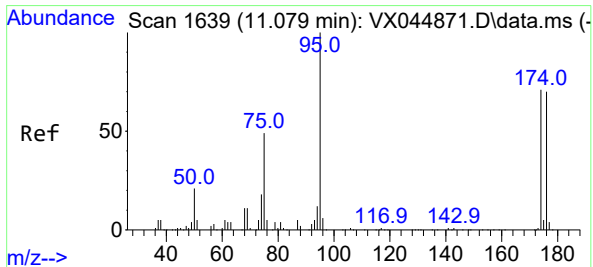
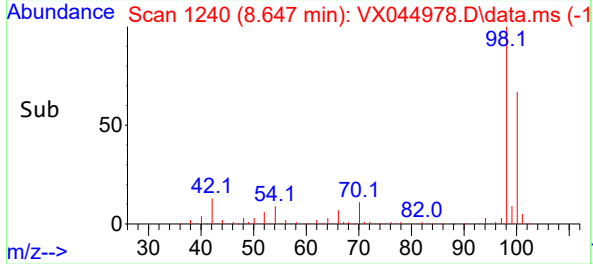
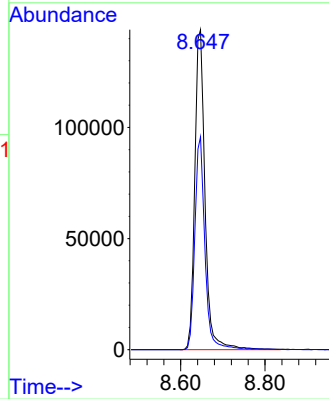
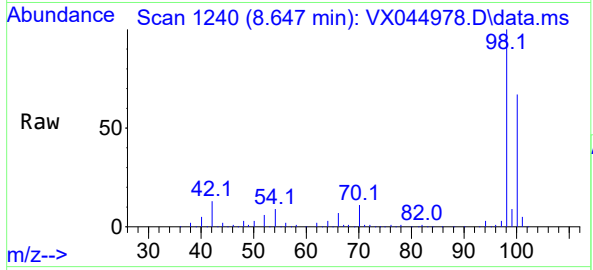
Time--&gt;



#50  
Toluene-d8  
Concen: 51.87 ug/l  
RT: 8.647 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VX044978.D  
Acq: 18 Feb 2025 11:31

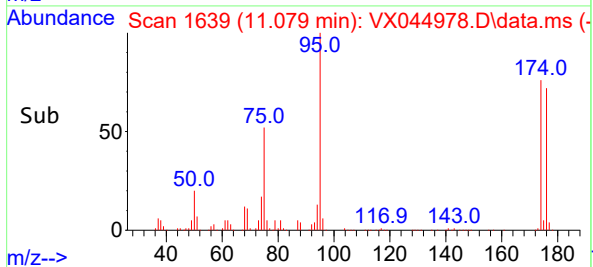
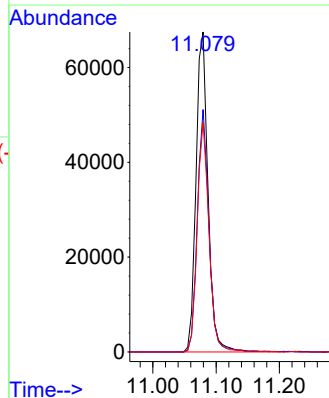
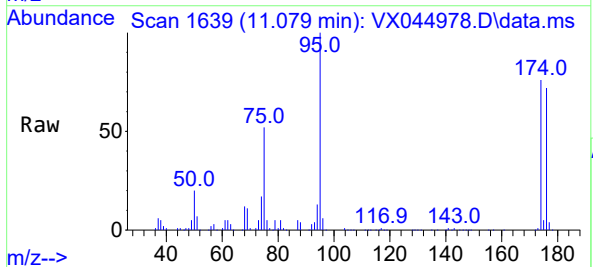
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0218WBL01

Tgt Ion: 98 Resp: 243600  
Ion Ratio Lower Upper  
98 100  
100 65.4 52.7 79.1

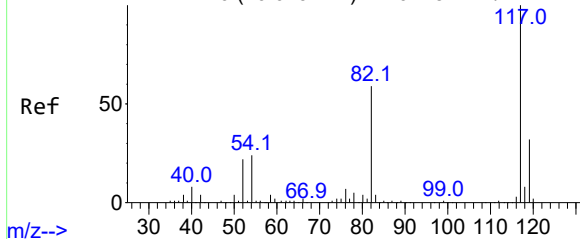


#62  
4-Bromofluorobenzene  
Concen: 56.40 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. 0.000 min  
Lab File: VX044978.D  
Acq: 18 Feb 2025 11:31

Tgt Ion: 95 Resp: 89284  
Ion Ratio Lower Upper  
95 100  
174 73.4 0.0 142.6  
176 70.1 0.0 141.6



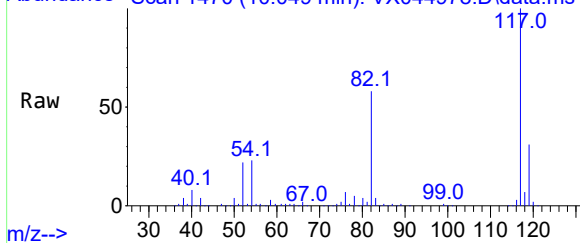
Abundance Scan 1470 (10.049 min): VX044871.D\data.ms (-



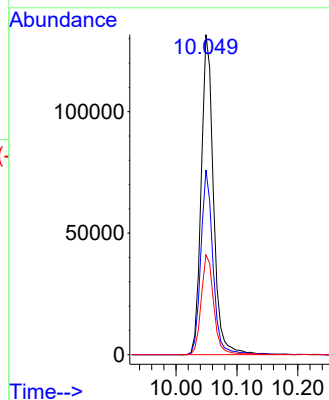
#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 10.049 min Scan# 1470  
Delta R.T. 0.000 min  
Lab File: VX044978.D  
Acq: 18 Feb 2025 11:31

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0218WBL01

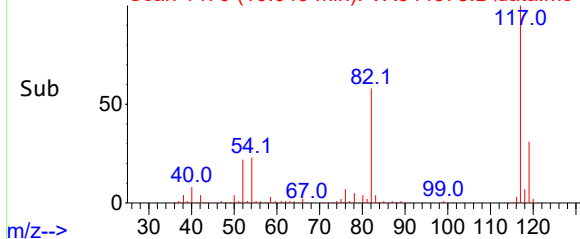
Abundance Scan 1470 (10.049 min): VX044978.D\data.ms



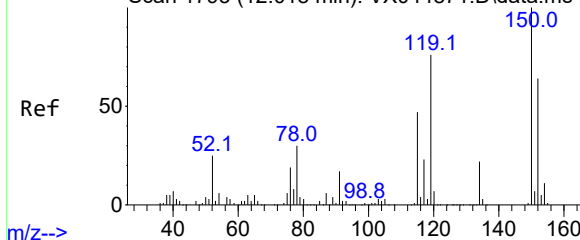
Tgt Ion:117 Resp: 185140  
Ion Ratio Lower Upper  
117 100  
82 57.7 47.5 71.3  
119 31.2 25.4 38.0



Abundance Scan 1470 (10.049 min): VX044978.D\data.ms (-



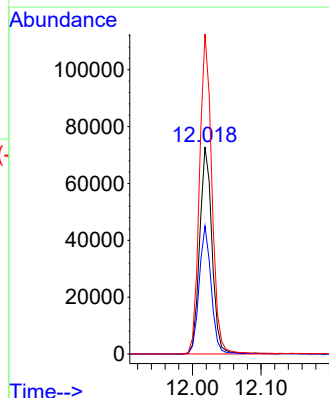
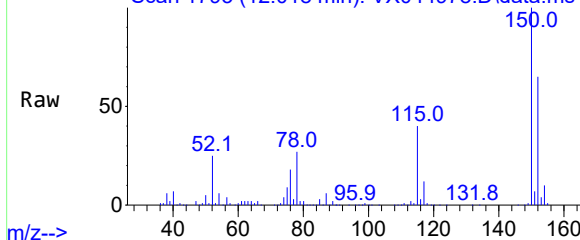
Abundance Scan 1793 (12.018 min): VX044871.D\data.ms (-



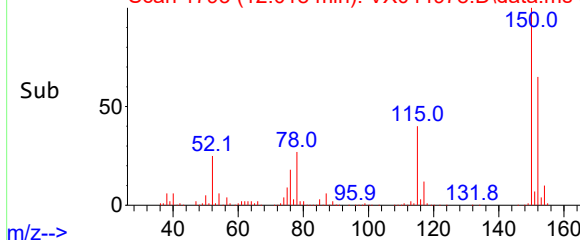
#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 12.018 min Scan# 1793  
Delta R.T. 0.000 min  
Lab File: VX044978.D  
Acq: 18 Feb 2025 11:31

Tgt Ion:152 Resp: 91305  
Ion Ratio Lower Upper  
152 100  
115 60.2 43.4 130.1  
150 155.1 0.0 350.4

Abundance Scan 1793 (12.018 min): VX044978.D\data.ms



Abundance Scan 1793 (12.018 min): VX044978.D\data.ms (-



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021825\  
Data File : VX044978.D  
Acq On : 18 Feb 2025 11:31  
Operator : JC/MD  
Sample : VX0218WBL01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0218WBL01

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M

Title : SW846 8260

Signal : TIC: VX044978.D\data.ms

| peak<br># | R.T.<br>min | first<br>scan | max<br>scan | last<br>scan | PK<br>TY | peak<br>height | corr.<br>area | corr.<br>% max. | % of<br>total |
|-----------|-------------|---------------|-------------|--------------|----------|----------------|---------------|-----------------|---------------|
| 1         | 5.379       | 693           | 704         | 720          | rBV2     | 73225          | 217144        | 33.19%          | 6.320%        |
| 2         | 5.550       | 720           | 732         | 746          | rBV      | 95658          | 283992        | 43.41%          | 8.266%        |
| 3         | 5.952       | 788           | 798         | 818          | rBV      | 82300          | 224234        | 34.28%          | 6.527%        |
| 4         | 6.757       | 921           | 930         | 948          | rBV      | 182658         | 453656        | 69.34%          | 13.204%       |
| 5         | 8.647       | 1233          | 1240        | 1258         | rBV      | 385137         | 654215        | 100.00%         | 19.042%       |
| 6         | 10.049      | 1464          | 1470        | 1482         | rBV      | 416355         | 583649        | 89.21%          | 16.988%       |
| 7         | 11.079      | 1634          | 1639        | 1651         | rBV      | 329870         | 435448        | 66.56%          | 12.675%       |
| 8         | 12.018      | 1788          | 1793        | 1808         | rBV      | 460606         | 583284        | 89.16%          | 16.978%       |

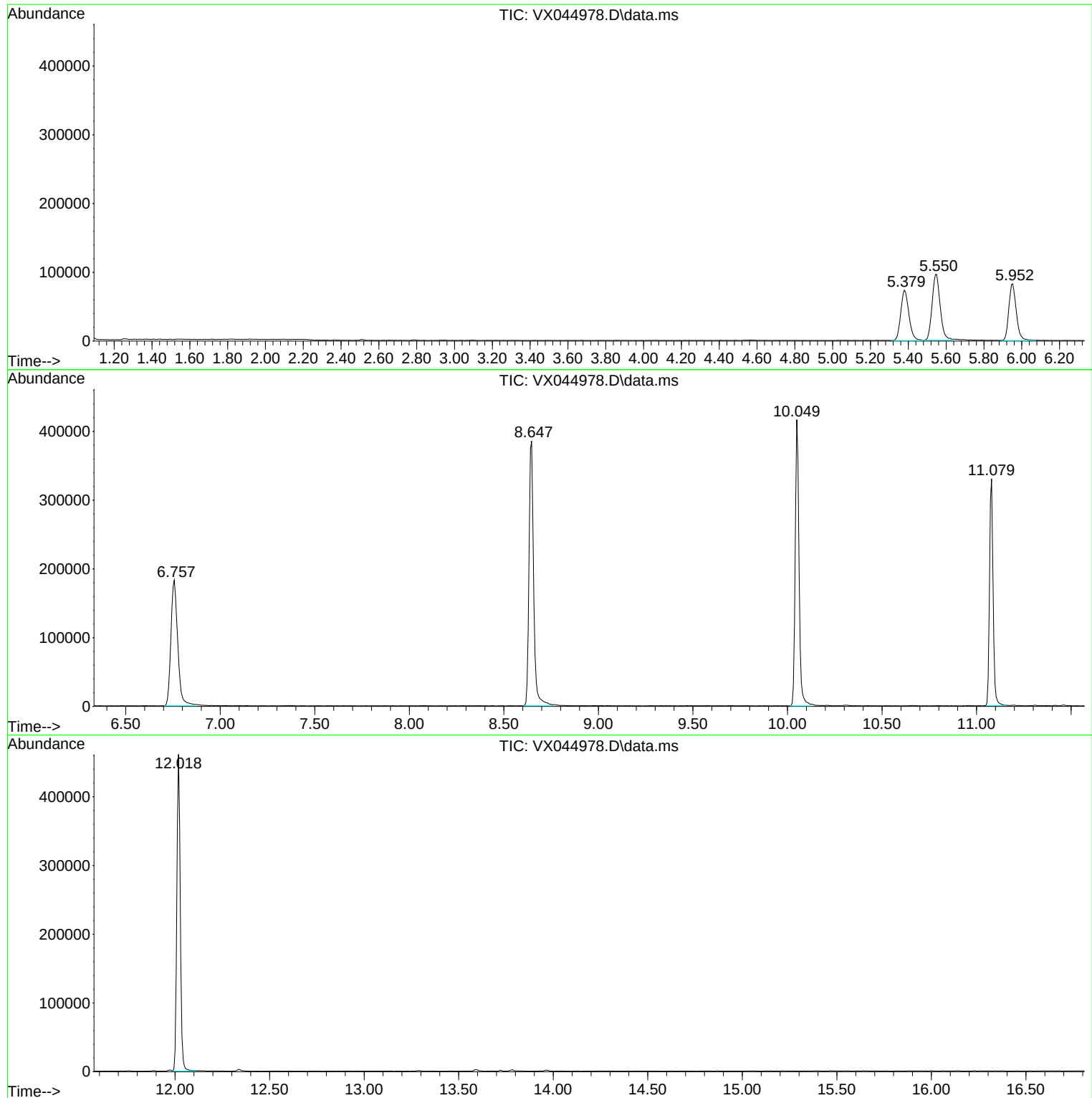
Sum of corrected areas: 3435622

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021825\  
Data File : VX044978.D  
Acq On : 18 Feb 2025 11:31  
Operator : JC/MD  
Sample : VX0218WBL01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0218WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021825\  
Data File : VX044978.D  
Acq On : 18 Feb 2025 11:31  
Operator : JC/MD  
Sample : VX0218WBL01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0218WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
Quant Title : SW846 8260

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

No Library Search Compounds Detected

\*\*\*\*\*

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021825\  
Data File : VX044978.D  
Acq On : 18 Feb 2025 11:31  
Operator : JC/MD  
Sample : VX0218WBL01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0218WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
Quant Title : SW846 8260

TIC Library : C:\Database\NIST0.L  
TIC Integration Parameters: LSCINT.P

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

## Report of Analysis

|                    |                          |        |      |                 |               |
|--------------------|--------------------------|--------|------|-----------------|---------------|
| Client:            | TechLaw Consultants, Inc |        |      | Date Collected: |               |
| Project:           | REAC Commodore           |        |      | Date Received:  |               |
| Client Sample ID:  | VX0214WBS01              |        |      | SDG No.:        | Q1363         |
| Lab Sample ID:     | VX0214WBS01              |        |      | Matrix:         | Water         |
| Analytical Method: | SW8260                   |        |      | % Solid:        | 0             |
| Sample Wt/Vol:     | 5                        | Units: | mL   | Final Vol:      | 5000 uL       |
| Soil Aliquot Vol:  |                          |        | uL   | Test:           | VOC-TCLVOA-10 |
| GC Column:         | DB-624UI                 | ID :   | 0.18 | Level :         | LOW           |
| Prep Method :      |                          |        |      |                 |               |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
|-------------------|-----------|-----------|----------------|---------------|
| VX044951.D        | 1         |           | 02/14/25 11:14 | VX021425      |

| CAS Number     | Parameter                      | Conc. | Qualifier | MDL  | LOQ / CRQL | Units |
|----------------|--------------------------------|-------|-----------|------|------------|-------|
| <b>TARGETS</b> |                                |       |           |      |            |       |
| 75-71-8        | Dichlorodifluoromethane        | 19.9  |           | 0.21 | 1.00       | ug/L  |
| 74-87-3        | Chloromethane                  | 19.3  |           | 0.35 | 1.00       | ug/L  |
| 75-01-4        | Vinyl Chloride                 | 18.3  |           | 0.34 | 1.00       | ug/L  |
| 74-83-9        | Bromomethane                   | 23.4  |           | 1.40 | 5.00       | ug/L  |
| 75-00-3        | Chloroethane                   | 24.1  |           | 0.56 | 1.00       | ug/L  |
| 75-69-4        | Trichlorofluoromethane         | 20.2  |           | 0.34 | 1.00       | ug/L  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 19.7  |           | 0.25 | 1.00       | ug/L  |
| 75-35-4        | 1,1-Dichloroethene             | 18.9  |           | 0.26 | 1.00       | ug/L  |
| 67-64-1        | Acetone                        | 110   |           | 1.40 | 5.00       | ug/L  |
| 75-15-0        | Carbon Disulfide               | 17.0  |           | 0.32 | 1.00       | ug/L  |
| 1634-04-4      | Methyl tert-butyl Ether        | 19.7  |           | 0.16 | 1.00       | ug/L  |
| 79-20-9        | Methyl Acetate                 | 21.5  |           | 0.60 | 1.00       | ug/L  |
| 75-09-2        | Methylene Chloride             | 19.3  |           | 0.32 | 1.00       | ug/L  |
| 156-60-5       | trans-1,2-Dichloroethene       | 18.7  |           | 0.25 | 1.00       | ug/L  |
| 75-34-3        | 1,1-Dichloroethane             | 20.0  |           | 0.23 | 1.00       | ug/L  |
| 110-82-7       | Cyclohexane                    | 18.9  |           | 1.60 | 5.00       | ug/L  |
| 78-93-3        | 2-Butanone                     | 110   |           | 1.30 | 5.00       | ug/L  |
| 56-23-5        | Carbon Tetrachloride           | 20.2  |           | 0.25 | 1.00       | ug/L  |
| 156-59-2       | cis-1,2-Dichloroethene         | 19.8  |           | 0.25 | 1.00       | ug/L  |
| 74-97-5        | Bromochloromethane             | 17.9  |           | 0.18 | 1.00       | ug/L  |
| 67-66-3        | Chloroform                     | 20.6  |           | 0.26 | 1.00       | ug/L  |
| 71-55-6        | 1,1,1-Trichloroethane          | 19.6  |           | 0.19 | 1.00       | ug/L  |
| 108-87-2       | Methylcyclohexane              | 19.8  |           | 0.19 | 1.00       | ug/L  |
| 71-43-2        | Benzene                        | 20.0  |           | 0.16 | 1.00       | ug/L  |
| 107-06-2       | 1,2-Dichloroethane             | 21.8  |           | 0.24 | 1.00       | ug/L  |
| 79-01-6        | Trichloroethene                | 19.8  |           | 0.32 | 1.00       | ug/L  |
| 78-87-5        | 1,2-Dichloropropane            | 20.1  |           | 0.19 | 1.00       | ug/L  |
| 75-27-4        | Bromodichloromethane           | 20.9  |           | 0.24 | 1.00       | ug/L  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 110   |           | 0.75 | 5.00       | ug/L  |
| 108-88-3       | Toluene                        | 20.4  |           | 0.18 | 1.00       | ug/L  |

### Report of Analysis

|                    |                          |           |                 |               |
|--------------------|--------------------------|-----------|-----------------|---------------|
| Client:            | TechLaw Consultants, Inc |           | Date Collected: |               |
| Project:           | REAC Commodore           |           | Date Received:  |               |
| Client Sample ID:  | VX0214WBS01              |           | SDG No.:        | Q1363         |
| Lab Sample ID:     | VX0214WBS01              |           | Matrix:         | Water         |
| Analytical Method: | SW8260                   |           | % Solid:        | 0             |
| Sample Wt/Vol:     | 5                        | Units: mL | Final Vol:      | 5000 uL       |
| Soil Aliquot Vol:  |                          | uL        | Test:           | VOC-TCLVOA-10 |
| GC Column:         | DB-624UI                 | ID : 0.18 | Level :         | LOW           |
| Prep Method :      |                          |           |                 |               |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX044951.D        | 1         |           | 02/14/25 11:14 | VX021425      |

| CAS Number                | Parameter                   | Conc.  | Qualifier | MDL      | LOQ / CRQL | Units   |
|---------------------------|-----------------------------|--------|-----------|----------|------------|---------|
| 10061-02-6                | t-1,3-Dichloropropene       | 19.2   |           | 0.21     | 1.00       | ug/L    |
| 10061-01-5                | cis-1,3-Dichloropropene     | 20.1   |           | 0.18     | 1.00       | ug/L    |
| 79-00-5                   | 1,1,2-Trichloroethane       | 21.2   |           | 0.21     | 1.00       | ug/L    |
| 591-78-6                  | 2-Hexanone                  | 120    |           | 1.10     | 5.00       | ug/L    |
| 124-48-1                  | Dibromochloromethane        | 20.7   |           | 0.18     | 1.00       | ug/L    |
| 106-93-4                  | 1,2-Dibromoethane           | 21.2   |           | 0.16     | 1.00       | ug/L    |
| 127-18-4                  | Tetrachloroethene           | 21.0   |           | 0.25     | 1.00       | ug/L    |
| 108-90-7                  | Chlorobenzene               | 20.2   |           | 0.13     | 1.00       | ug/L    |
| 100-41-4                  | Ethyl Benzene               | 20.2   |           | 0.16     | 1.00       | ug/L    |
| 179601-23-1               | m/p-Xylenes                 | 41.1   |           | 0.31     | 2.00       | ug/L    |
| 95-47-6                   | o-Xylene                    | 20.2   |           | 0.14     | 1.00       | ug/L    |
| 100-42-5                  | Styrene                     | 21.0   |           | 0.16     | 1.00       | ug/L    |
| 75-25-2                   | Bromoform                   | 20.8   |           | 0.21     | 1.00       | ug/L    |
| 98-82-8                   | Isopropylbenzene            | 19.3   |           | 0.13     | 1.00       | ug/L    |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane   | 20.0   |           | 0.27     | 1.00       | ug/L    |
| 541-73-1                  | 1,3-Dichlorobenzene         | 19.7   |           | 0.24     | 1.00       | ug/L    |
| 106-46-7                  | 1,4-Dichlorobenzene         | 19.7   |           | 0.27     | 1.00       | ug/L    |
| 95-50-1                   | 1,2-Dichlorobenzene         | 20.7   |           | 0.19     | 1.00       | ug/L    |
| 96-12-8                   | 1,2-Dibromo-3-Chloropropane | 20.5   |           | 0.46     | 1.00       | ug/L    |
| 120-82-1                  | 1,2,4-Trichlorobenzene      | 19.6   |           | 0.42     | 1.00       | ug/L    |
| 87-61-6                   | 1,2,3-Trichlorobenzene      | 20.1   |           | 0.51     | 1.00       | ug/L    |
| <b>SURROGATES</b>         |                             |        |           |          |            |         |
| 17060-07-0                | 1,2-Dichloroethane-d4       | 50.7   |           | 74 - 125 | 101%       | SPK: 50 |
| 1868-53-7                 | Dibromofluoromethane        | 51.1   |           | 75 - 124 | 102%       | SPK: 50 |
| 2037-26-5                 | Toluene-d8                  | 49.7   |           | 86 - 113 | 99%        | SPK: 50 |
| 460-00-4                  | 4-Bromofluorobenzene        | 51.5   |           | 77 - 121 | 103%       | SPK: 50 |
| <b>INTERNAL STANDARDS</b> |                             |        |           |          |            |         |
| 363-72-4                  | Pentafluorobenzene          | 109000 | 5.544     |          |            |         |
| 540-36-3                  | 1,4-Difluorobenzene         | 196000 | 6.757     |          |            |         |
| 3114-55-4                 | Chlorobenzene-d5            | 172000 | 10.049    |          |            |         |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4      | 79800  | 12.018    |          |            |         |

## Report of Analysis

|                    |                          |        |      |                 |               |    |  |
|--------------------|--------------------------|--------|------|-----------------|---------------|----|--|
| Client:            | TechLaw Consultants, Inc |        |      | Date Collected: |               |    |  |
| Project:           | REAC Commodore           |        |      | Date Received:  |               |    |  |
| Client Sample ID:  | VX0214WBS01              |        |      | SDG No.:        | Q1363         |    |  |
| Lab Sample ID:     | VX0214WBS01              |        |      | Matrix:         | Water         |    |  |
| Analytical Method: | SW8260                   |        |      | % Solid:        | 0             |    |  |
| Sample Wt/Vol:     | 5                        | Units: | mL   | Final Vol:      | 5000          | uL |  |
| Soil Aliquot Vol:  |                          |        | uL   | Test:           | VOC-TCLVOA-10 |    |  |
| GC Column:         | DB-624UI                 | ID :   | 0.18 | Level :         | LOW           |    |  |
| Prep Method :      |                          |        |      |                 |               |    |  |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
|-------------------|-----------|-----------|----------------|---------------|
| VX044951.D        | 1         |           | 02/14/25 11:14 | VX021425      |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|------------|-----------|-------|-----------|-----|------------|-------|
|------------|-----------|-------|-----------|-----|------------|-------|

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021425\  
 Data File : VX044951.D  
 Acq On : 14 Feb 2025 11:14  
 Operator : JC/MD  
 Sample : VX0214WBS01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0214WBS01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 02/18/2025  
 Supervised By : Mahesh Dadoda 02/19/2025

Quant Time: Feb 14 22:11:57 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 11 03:41:08 2025  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|------------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                        |                |      |                     |         |        |          |
| Internal Standards           |                |      |                     |         |        |          |
| 1) Pentafluorobenzene        | 5.544          | 168  | 109167              | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.757          | 114  | 195743              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.049         | 117  | 172020              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.018         | 152  | 79806               | 50.000  | ug/l   | 0.00     |
|                              |                |      |                     |         |        |          |
| System Monitoring Compounds  |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.946          | 65   | 81048               | 50.718  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = 101.440% |         |        |          |
| 35) Dibromofluoromethane     | 5.379          | 113  | 65054               | 51.117  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = 102.240% |         |        |          |
| 50) Toluene-d8               | 8.647          | 98   | 239351              | 49.736  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = 99.480%  |         |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 83506               | 51.472  | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 77 - 121 |      | Recovery = 102.940% |         |        |          |
|                              |                |      |                     |         |        |          |
| Target Compounds             |                |      |                     |         | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.166          | 85   | 30493               | 19.916  | ug/l   | 96       |
| 3) Chloromethane             | 1.300          | 50   | 35876               | 19.252  | ug/l   | 98       |
| 4) Vinyl Chloride            | 1.374          | 62   | 32947               | 18.250  | ug/l   | 99       |
| 5) Bromomethane              | 1.593          | 94   | 12665               | 23.444  | ug/l   | 95       |
| 6) Chloroethane              | 1.672          | 64   | 18270               | 24.073  | ug/l   | 98       |
| 7) Trichlorofluoromethane    | 1.880          | 101  | 46110               | 20.197  | ug/l   | 96       |
| 8) Diethyl Ether             | 2.130          | 74   | 16287               | 19.671  | ug/l   | 99       |
| 9) 1,1,2-Trichlorotrifluo... | 2.325          | 101  | 27143               | 19.677  | ug/l   | 98       |
| 10) Methyl Iodide            | 2.447          | 142  | 35949               | 20.109  | ug/l   | 98       |
| 11) Tert butyl alcohol       | 2.971          | 59   | 29984               | 101.141 | ug/l   | 98       |
| 12) 1,1-Dichloroethene       | 2.312          | 96   | 26636               | 18.930  | ug/l   | 97       |
| 13) Acrolein                 | 2.233          | 56   | 32589               | 106.546 | ug/l   | 98       |
| 14) Allyl chloride           | 2.660          | 41   | 48808               | 19.193  | ug/l   | 97       |
| 15) Acrylonitrile            | 3.062          | 53   | 83287               | 105.222 | ug/l   | 100      |
| 16) Acetone                  | 2.380          | 43   | 69215               | 107.742 | ug/l   | 99       |
| 17) Carbon Disulfide         | 2.508          | 76   | 65690               | 17.025  | ug/l   | 97       |
| 18) Methyl Acetate           | 2.703          | 43   | 43622               | 21.518  | ug/l   | 96       |
| 19) Methyl tert-butyl Ether  | 3.111          | 73   | 88083               | 19.675  | ug/l   | 99       |
| 20) Methylene Chloride       | 2.782          | 84   | 30381               | 19.308  | ug/l   | 93       |
| 21) trans-1,2-Dichloroethene | 3.087          | 96   | 25933               | 18.726  | ug/l   | 92       |
| 22) Diisopropyl ether        | 3.757          | 45   | 97720               | 20.312  | ug/l   | 92       |
| 23) Vinyl Acetate            | 3.715          | 43   | 389140              | 99.216  | ug/l   | 98       |
| 24) 1,1-Dichloroethane       | 3.605          | 63   | 53879               | 20.015  | ug/l   | 99       |
| 25) 2-Butanone               | 4.550          | 43   | 111260              | 106.657 | ug/l   | 96       |
| 26) 2,2-Dichloropropane      | 4.464          | 77   | 40129               | 18.798  | ug/l   | 100      |
| 27) cis-1,2-Dichloroethene   | 4.483          | 96   | 32961               | 19.815  | ug/l   | 98       |
| 28) Bromochloromethane       | 4.897          | 49   | 23212               | 17.943  | ug/l   | 99       |
| 29) Tetrahydrofuran          | 5.001          | 42   | 72346               | 104.443 | ug/l   | 99       |
| 30) Chloroform               | 5.086          | 83   | 53725               | 20.580  | ug/l   | 98       |
| 31) Cyclohexane              | 5.464          | 56   | 46821               | 18.867  | ug/l   | 98       |
| 32) 1,1,1-Trichloroethane    | 5.373          | 97   | 43492               | 19.641  | ug/l   | 98       |
| 36) 1,1-Dichloropropene      | 5.690          | 75   | 35991               | 19.602  | ug/l   | 100      |
| 37) Ethyl Acetate            | 4.714          | 43   | 41720               | 20.428  | ug/l   | 100      |
| 38) Carbon Tetrachloride     | 5.672          | 117  | 36299               | 20.174  | ug/l   | 96       |
| 39) Methylcyclohexane        | 7.372          | 83   | 46927               | 19.769  | ug/l   | 98       |
| 40) Benzene                  | 6.031          | 78   | 114429              | 19.958  | ug/l   | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021425\  
 Data File : VX044951.D  
 Acq On : 14 Feb 2025 11:14  
 Operator : JC/MD  
 Sample : VX0214WBS01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0214WBS01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 02/18/2025  
 Supervised By : Mahesh Dadoda 02/19/2025

Quant Time: Feb 14 22:11:57 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 11 03:41:08 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.910  | 41   | 23705    | 21.685  | ug/l   | 100      |
| 42) 1,2-Dichloroethane        | 6.080  | 62   | 39785    | 21.773  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 6.336  | 43   | 67687    | 20.524  | ug/l   | 98       |
| 44) Trichloroethene           | 7.123  | 130  | 25978    | 19.823  | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 7.427  | 63   | 28734    | 20.145  | ug/l   | 96       |
| 46) Dibromomethane            | 7.580  | 93   | 20163    | 20.383  | ug/l   | 98       |
| 47) Bromodichloromethane      | 7.818  | 83   | 40024    | 20.896  | ug/l   | 97       |
| 48) Methyl methacrylate       | 7.690  | 41   | 32249    | 20.739  | ug/l   | 98       |
| 49) 1,4-Dioxane               | 7.659  | 88   | 14784    | 443.128 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone      | 8.567  | 43   | 225966   | 112.703 | ug/l   | 97       |
| 52) Toluene                   | 8.714  | 92   | 69748    | 20.427  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 37169    | 19.176  | ug/l   | 98       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 43416    | 20.090  | ug/l   | 98       |
| 55) 1,1,2-Trichloroethane     | 9.147  | 97   | 27886    | 21.245  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 42444    | 20.021  | ug/l   | 98       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 47815    | 20.820  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 107373   | 103.151 | ug/l   | 100      |
| 59) 2-Hexanone                | 9.427  | 43   | 166655   | 115.365 | ug/l   | 97       |
| 60) Dibromochloromethane      | 9.518  | 129  | 29087    | 20.721  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 9.604  | 107  | 28155    | 21.163  | ug/l   | 97       |
| 64) Tetrachloroethene         | 9.268  | 164  | 22728    | 20.951  | ug/l   | 96       |
| 65) Chlorobenzene             | 10.079 | 112  | 74635    | 20.200  | ug/l   | 100      |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 23206    | 19.514  | ug/l   | 95       |
| 67) Ethyl Benzene             | 10.189 | 91   | 131698   | 20.199  | ug/l   | 99       |
| 68) m/p-Xylenes               | 10.299 | 106  | 98883    | 41.113  | ug/l   | 100      |
| 69) o-Xylene                  | 10.640 | 106  | 48694    | 20.177  | ug/l   | 100      |
| 70) Styrene                   | 10.652 | 104  | 81730    | 21.020  | ug/l   | 100      |
| 71) Bromoform                 | 10.799 | 173  | 18416    | 20.750  | ug/l # | 100      |
| 73) Isopropylbenzene          | 10.957 | 105  | 124187   | 19.326  | ug/l   | 99       |
| 74) N-amyl acetate            | 10.841 | 43   | 57217    | 19.677  | ug/l   | 98       |
| 75) 1,1,2,2-Tetrachloroethane | 11.207 | 83   | 44116    | 19.979  | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 36103m   | 20.404  | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 29893    | 20.519  | ug/l   | 93       |
| 78) n-propylbenzene           | 11.299 | 91   | 144703   | 19.510  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 11.360 | 91   | 88678    | 19.454  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 104223   | 19.987  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 11634    | 16.914  | ug/l   | 91       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 99533    | 19.736  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 104653   | 19.838  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 104819   | 20.366  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 131498   | 20.130  | ug/l   | 98       |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 106908   | 20.351  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 52788    | 19.704  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.036 | 146  | 53421    | 19.722  | ug/l   | 98       |
| 89) n-Butylbenzene            | 12.329 | 91   | 94562    | 20.347  | ug/l   | 99       |
| 90) Hexachloroethane          | 12.536 | 117  | 18131    | 18.433  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 54507    | 20.701  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75   | 8250     | 20.471  | ug/l   | 96       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 31211    | 19.589  | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 13.719 | 225  | 12661    | 20.018  | ug/l   | 99       |
| 95) Naphthalene               | 13.774 | 128  | 114238   | 19.835  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 13.957 | 180  | 32268    | 20.099  | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021425\  
Data File : VX044951.D  
Acq On : 14 Feb 2025 11:14  
Operator : JC/MD  
Sample : VX0214WBS01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0214WBS01

Manual Integrations  
**APPROVED**

Reviewed By :John Carlone 02/18/2025  
Supervised By :Mahesh Dadoda 02/19/2025

Quant Time: Feb 14 22:11:57 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
Quant Title : SW846 8260  
QLast Update : Tue Feb 11 03:41:08 2025  
Response via : Initial Calibration

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

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

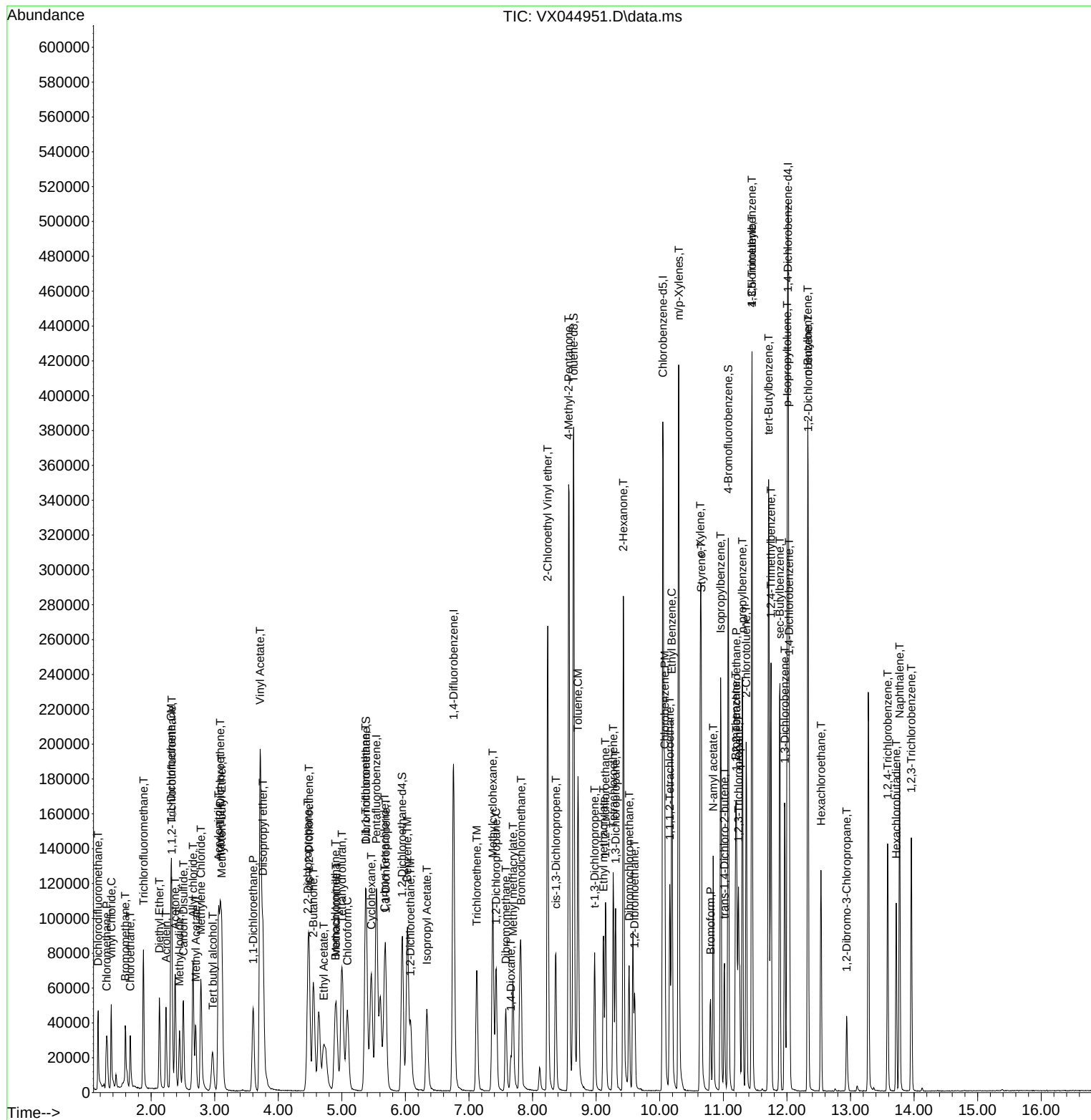
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021425\  
Data File : VX044951.D  
Acq On : 14 Feb 2025 11:14  
Operator : JC/MD  
Sample : VX0214WBS01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 5 Sample Multiplier: 1

**Instrument :**  
MSVOA\_X  
**ClientSampleId :**  
VX0214WBS01

## Manual Integrations APPROVED

Reviewed By :John Carlone 02/18/2025  
Supervised By :Mahesh Dadoda 02/19/2025

Quant Time: Feb 14 22:11:57 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
Quant Title : SW846 8260  
QLast Update : Tue Feb 11 03:41:08 2025  
Response via : Initial Calibration



## Report of Analysis

|                    |                                            |                 |                              |
|--------------------|--------------------------------------------|-----------------|------------------------------|
| Client:            | TechLaw Consultants, Inc                   | Date Collected: |                              |
| Project:           | REAC Commodore                             | Date Received:  |                              |
| Client Sample ID:  | VX0218WBS01                                | SDG No.:        | Q1363                        |
| Lab Sample ID:     | VX0218WBS01                                | Matrix:         | Water                        |
| Analytical Method: | SW8260                                     | % Solid:        | 0                            |
| Sample Wt/Vol:     | 5                      Units:    mL        | Final Vol:      | 5000                      uL |
| Soil Aliquot Vol:  | uL                                         | Test:           | VOC-TCLVOA-10                |
| GC Column:         | DB-624UI                      ID :    0.18 | Level :         | LOW                          |
| Prep Method :      |                                            |                 |                              |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX044979.D        | 1         |           | 02/18/25 11:54 | VX021825      |

| CAS Number     | Parameter                      | Conc. | Qualifier | MDL  | LOQ / CRQL | Units |
|----------------|--------------------------------|-------|-----------|------|------------|-------|
| <b>TARGETS</b> |                                |       |           |      |            |       |
| 75-71-8        | Dichlorodifluoromethane        | 19.1  |           | 0.21 | 1.00       | ug/L  |
| 74-87-3        | Chloromethane                  | 18.9  |           | 0.35 | 1.00       | ug/L  |
| 75-01-4        | Vinyl Chloride                 | 18.8  |           | 0.34 | 1.00       | ug/L  |
| 74-83-9        | Bromomethane                   | 30.4  |           | 1.40 | 5.00       | ug/L  |
| 75-00-3        | Chloroethane                   | 27.2  |           | 0.56 | 1.00       | ug/L  |
| 75-69-4        | Trichlorofluoromethane         | 20.7  |           | 0.34 | 1.00       | ug/L  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 20.4  |           | 0.25 | 1.00       | ug/L  |
| 75-35-4        | 1,1-Dichloroethene             | 19.6  |           | 0.26 | 1.00       | ug/L  |
| 67-64-1        | Acetone                        | 110   |           | 1.40 | 5.00       | ug/L  |
| 75-15-0        | Carbon Disulfide               | 18.8  |           | 0.32 | 1.00       | ug/L  |
| 1634-04-4      | Methyl tert-butyl Ether        | 20.3  |           | 0.16 | 1.00       | ug/L  |
| 79-20-9        | Methyl Acetate                 | 21.8  |           | 0.60 | 1.00       | ug/L  |
| 75-09-2        | Methylene Chloride             | 20.0  |           | 0.32 | 1.00       | ug/L  |
| 156-60-5       | trans-1,2-Dichloroethene       | 20.3  |           | 0.25 | 1.00       | ug/L  |
| 75-34-3        | 1,1-Dichloroethane             | 20.2  |           | 0.23 | 1.00       | ug/L  |
| 110-82-7       | Cyclohexane                    | 19.5  |           | 1.60 | 5.00       | ug/L  |
| 78-93-3        | 2-Butanone                     | 110   |           | 1.30 | 5.00       | ug/L  |
| 56-23-5        | Carbon Tetrachloride           | 20.6  |           | 0.25 | 1.00       | ug/L  |
| 156-59-2       | cis-1,2-Dichloroethene         | 20.1  |           | 0.25 | 1.00       | ug/L  |
| 74-97-5        | Bromochloromethane             | 21.5  |           | 0.18 | 1.00       | ug/L  |
| 67-66-3        | Chloroform                     | 20.6  |           | 0.26 | 1.00       | ug/L  |
| 71-55-6        | 1,1,1-Trichloroethane          | 20.4  |           | 0.19 | 1.00       | ug/L  |
| 108-87-2       | Methylcyclohexane              | 20.0  |           | 0.19 | 1.00       | ug/L  |
| 71-43-2        | Benzene                        | 19.9  |           | 0.16 | 1.00       | ug/L  |
| 107-06-2       | 1,2-Dichloroethane             | 21.3  |           | 0.24 | 1.00       | ug/L  |
| 79-01-6        | Trichloroethene                | 20.2  |           | 0.32 | 1.00       | ug/L  |
| 78-87-5        | 1,2-Dichloropropane            | 20.3  |           | 0.19 | 1.00       | ug/L  |
| 75-27-4        | Bromodichloromethane           | 21.5  |           | 0.24 | 1.00       | ug/L  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 110   |           | 0.75 | 5.00       | ug/L  |
| 108-88-3       | Toluene                        | 20.5  |           | 0.18 | 1.00       | ug/L  |

### Report of Analysis

|                    |                          |           |                 |               |
|--------------------|--------------------------|-----------|-----------------|---------------|
| Client:            | TechLaw Consultants, Inc |           | Date Collected: |               |
| Project:           | REAC Commodore           |           | Date Received:  |               |
| Client Sample ID:  | VX0218WBS01              |           | SDG No.:        | Q1363         |
| Lab Sample ID:     | VX0218WBS01              |           | Matrix:         | Water         |
| Analytical Method: | SW8260                   |           | % Solid:        | 0             |
| Sample Wt/Vol:     | 5                        | Units: mL | Final Vol:      | 5000 uL       |
| Soil Aliquot Vol:  |                          | uL        | Test:           | VOC-TCLVOA-10 |
| GC Column:         | DB-624UI                 | ID : 0.18 | Level :         | LOW           |
| Prep Method :      |                          |           |                 |               |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX044979.D        | 1         |           | 02/18/25 11:54 | VX021825      |

| CAS Number                | Parameter                   | Conc.  | Qualifier | MDL      | LOQ / CRQL | Units   |
|---------------------------|-----------------------------|--------|-----------|----------|------------|---------|
| 10061-02-6                | t-1,3-Dichloropropene       | 19.6   |           | 0.21     | 1.00       | ug/L    |
| 10061-01-5                | cis-1,3-Dichloropropene     | 20.5   |           | 0.18     | 1.00       | ug/L    |
| 79-00-5                   | 1,1,2-Trichloroethane       | 20.6   |           | 0.21     | 1.00       | ug/L    |
| 591-78-6                  | 2-Hexanone                  | 110    |           | 1.10     | 5.00       | ug/L    |
| 124-48-1                  | Dibromochloromethane        | 21.3   |           | 0.18     | 1.00       | ug/L    |
| 106-93-4                  | 1,2-Dibromoethane           | 20.5   |           | 0.16     | 1.00       | ug/L    |
| 127-18-4                  | Tetrachloroethene           | 21.0   |           | 0.25     | 1.00       | ug/L    |
| 108-90-7                  | Chlorobenzene               | 20.6   |           | 0.13     | 1.00       | ug/L    |
| 100-41-4                  | Ethyl Benzene               | 20.1   |           | 0.16     | 1.00       | ug/L    |
| 179601-23-1               | m/p-Xylenes                 | 40.9   |           | 0.31     | 2.00       | ug/L    |
| 95-47-6                   | o-Xylene                    | 20.3   |           | 0.14     | 1.00       | ug/L    |
| 100-42-5                  | Styrene                     | 21.0   |           | 0.16     | 1.00       | ug/L    |
| 75-25-2                   | Bromoform                   | 21.4   |           | 0.21     | 1.00       | ug/L    |
| 98-82-8                   | Isopropylbenzene            | 19.4   |           | 0.13     | 1.00       | ug/L    |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane   | 19.2   |           | 0.27     | 1.00       | ug/L    |
| 541-73-1                  | 1,3-Dichlorobenzene         | 20.2   |           | 0.24     | 1.00       | ug/L    |
| 106-46-7                  | 1,4-Dichlorobenzene         | 20.0   |           | 0.27     | 1.00       | ug/L    |
| 95-50-1                   | 1,2-Dichlorobenzene         | 20.8   |           | 0.19     | 1.00       | ug/L    |
| 96-12-8                   | 1,2-Dibromo-3-Chloropropane | 19.3   |           | 0.46     | 1.00       | ug/L    |
| 120-82-1                  | 1,2,4-Trichlorobenzene      | 20.2   |           | 0.42     | 1.00       | ug/L    |
| 87-61-6                   | 1,2,3-Trichlorobenzene      | 20.1   |           | 0.51     | 1.00       | ug/L    |
| <b>SURROGATES</b>         |                             |        |           |          |            |         |
| 17060-07-0                | 1,2-Dichloroethane-d4       | 54.5   |           | 74 - 125 | 109%       | SPK: 50 |
| 1868-53-7                 | Dibromofluoromethane        | 53.7   |           | 75 - 124 | 107%       | SPK: 50 |
| 2037-26-5                 | Toluene-d8                  | 51.8   |           | 86 - 113 | 104%       | SPK: 50 |
| 460-00-4                  | 4-Bromofluorobenzene        | 54.2   |           | 77 - 121 | 108%       | SPK: 50 |
| <b>INTERNAL STANDARDS</b> |                             |        |           |          |            |         |
| 363-72-4                  | Pentafluorobenzene          | 110000 | 5.544     |          |            |         |
| 540-36-3                  | 1,4-Difluorobenzene         | 203000 | 6.757     |          |            |         |
| 3114-55-4                 | Chlorobenzene-d5            | 177000 | 10.049    |          |            |         |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4      | 83500  | 12.018    |          |            |         |

## Report of Analysis

|                    |                          |        |      |                 |               |
|--------------------|--------------------------|--------|------|-----------------|---------------|
| Client:            | TechLaw Consultants, Inc |        |      | Date Collected: |               |
| Project:           | REAC Commodore           |        |      | Date Received:  |               |
| Client Sample ID:  | VX0218WBS01              |        |      | SDG No.:        | Q1363         |
| Lab Sample ID:     | VX0218WBS01              |        |      | Matrix:         | Water         |
| Analytical Method: | SW8260                   |        |      | % Solid:        | 0             |
| Sample Wt/Vol:     | 5                        | Units: | mL   | Final Vol:      | 5000 uL       |
| Soil Aliquot Vol:  |                          |        | uL   | Test:           | VOC-TCLVOA-10 |
| GC Column:         | DB-624UI                 | ID :   | 0.18 | Level :         | LOW           |
| Prep Method :      |                          |        |      |                 |               |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
|-------------------|-----------|-----------|----------------|---------------|
| VX044979.D        | 1         |           | 02/18/25 11:54 | VX021825      |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|------------|-----------|-------|-----------|-----|------------|-------|
|------------|-----------|-------|-----------|-----|------------|-------|

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021825\  
 Data File : VX044979.D  
 Acq On : 18 Feb 2025 11:54  
 Operator : JC/MD  
 Sample : VX0218WBS01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0218WBS01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 02/19/2025  
 Supervised By : Mahesh Dadoda 02/19/2025

Quant Time: Feb 18 12:21:30 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 11 03:41:08 2025  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|--------|------|----------|-------|-------|----------|
| -----                      |        |      |          |       |       |          |
| Internal Standards         |        |      |          |       |       |          |
| 1) Pentafluorobenzene      | 5.544  | 168  | 109899   | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.757  | 114  | 202747   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.049 | 117  | 177300   | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152  | 83521    | 50.00 | ug/l  | 0.00     |

|                             |        |       |          |          |           |      |
|-----------------------------|--------|-------|----------|----------|-----------|------|
| System Monitoring Compounds |        |       |          |          |           |      |
| 33) 1,2-Dichloroethane-d4   | 5.946  | 65    | 87606    | 54.46    | ug/l      | 0.00 |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | = 108.92% |      |
| 35) Dibromofluoromethane    | 5.379  | 113   | 70807    | 53.72    | ug/l      | 0.00 |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | = 107.44% |      |
| 50) Toluene-d8              | 8.647  | 98    | 258244   | 51.81    | ug/l      | 0.00 |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | = 103.62% |      |
| 62) 4-Bromofluorobenzene    | 11.079 | 95    | 91160    | 54.25    | ug/l      | 0.00 |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | = 108.50% |      |

|                              |       |     |        |        |           |
|------------------------------|-------|-----|--------|--------|-----------|
| Target Compounds             |       |     |        |        | Qvalue    |
| 2) Dichlorodifluoromethane   | 1.167 | 85  | 29516  | 19.15  | ug/l 95   |
| 3) Chloromethane             | 1.295 | 50  | 35417  | 18.88  | ug/l 99   |
| 4) Vinyl Chloride            | 1.374 | 62  | 34176  | 18.80  | ug/l 99   |
| 5) Bromomethane              | 1.599 | 94  | 16532  | 30.40  | ug/l 96   |
| 6) Chloroethane              | 1.679 | 64  | 20657  | 27.20  | ug/l 97   |
| 7) Trichlorofluoromethane    | 1.886 | 101 | 47564  | 20.69  | ug/l 98   |
| 8) Diethyl Ether             | 2.130 | 74  | 17904  | 21.48  | ug/l 99   |
| 9) 1,1,2-Trichlorotrifluo... | 2.325 | 101 | 28270  | 20.36  | ug/l 99   |
| 10) Methyl Iodide            | 2.447 | 142 | 36989  | 20.55  | ug/l 97   |
| 11) Tert butyl alcohol       | 2.953 | 59  | 31469  | 105.44 | ug/l 99   |
| 12) 1,1-Dichloroethene       | 2.319 | 96  | 27700  | 19.56  | ug/l 98   |
| 13) Acrolein                 | 2.233 | 56  | 30180  | 98.01  | ug/l 97   |
| 14) Allyl chloride           | 2.660 | 41  | 52178  | 20.38  | ug/l 97   |
| 15) Acrylonitrile            | 3.056 | 53  | 84609  | 106.18 | ug/l 100  |
| 16) Acetone                  | 2.374 | 43  | 69130  | 106.89 | ug/l 94   |
| 17) Carbon Disulfide         | 2.508 | 76  | 72970  | 18.79  | ug/l 99   |
| 18) Methyl Acetate           | 2.697 | 43  | 44529  | 21.82  | ug/l 96   |
| 19) Methyl tert-butyl Ether  | 3.111 | 73  | 91397  | 20.28  | ug/l 99   |
| 20) Methylene Chloride       | 2.782 | 84  | 31735  | 20.03  | ug/l 96   |
| 21) trans-1,2-Dichloroethene | 3.087 | 96  | 28289  | 20.29  | ug/l 95   |
| 22) Diisopropyl ether        | 3.751 | 45  | 100615 | 20.77  | ug/l # 81 |
| 23) Vinyl Acetate            | 3.715 | 43  | 403959 | 102.31 | ug/l 100  |
| 24) 1,1-Dichloroethane       | 3.605 | 63  | 54774  | 20.21  | ug/l 98   |
| 25) 2-Butanone               | 4.550 | 43  | 113278 | 107.87 | ug/l 94   |
| 26) 2,2-Dichloropropane      | 4.465 | 77  | 42654  | 19.85  | ug/l 98   |
| 27) cis-1,2-Dichloroethene   | 4.483 | 96  | 33680  | 20.11  | ug/l 98   |
| 28) Bromochloromethane       | 4.891 | 49  | 28007  | 21.51  | ug/l 99   |
| 29) Tetrahydrofuran          | 4.995 | 42  | 73949  | 106.05 | ug/l 99   |
| 30) Chloroform               | 5.087 | 83  | 54225  | 20.63  | ug/l 97   |
| 31) Cyclohexane              | 5.465 | 56  | 48717  | 19.50  | ug/l 98   |
| 32) 1,1,1-Trichloroethane    | 5.373 | 97  | 45552  | 20.43  | ug/l 97   |
| 36) 1,1-Dichloropropene      | 5.690 | 75  | 38002  | 19.98  | ug/l 98   |
| 37) Ethyl Acetate            | 4.709 | 43  | 41751  | 19.74  | ug/l 99   |
| 38) Carbon Tetrachloride     | 5.672 | 117 | 38320  | 20.56  | ug/l 99   |
| 39) Methylcyclohexane        | 7.373 | 83  | 49064  | 19.96  | ug/l 96   |
| 40) Benzene                  | 6.031 | 78  | 117972 | 19.87  | ug/l 100  |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021825\  
 Data File : VX044979.D  
 Acq On : 18 Feb 2025 11:54  
 Operator : JC/MD  
 Sample : VX0218WBS01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0218WBS01

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 02/19/2025  
 Supervised By : Mahesh Dadoda 02/19/2025

Quant Time: Feb 18 12:21:30 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 11 03:41:08 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 41) Methacrylonitrile         | 4.916  | 41   | 24724    | 21.84  | ug/l   | 98       |
| 42) 1,2-Dichloroethane        | 6.080  | 62   | 40402    | 21.35  | ug/l   | 99       |
| 43) Isopropyl Acetate         | 6.336  | 43   | 69420    | 20.32  | ug/l   | 98       |
| 44) Trichloroethene           | 7.123  | 130  | 27404    | 20.19  | ug/l   | 100      |
| 45) 1,2-Dichloropropane       | 7.428  | 63   | 30000    | 20.31  | ug/l   | 96       |
| 46) Dibromomethane            | 7.574  | 93   | 21173    | 20.66  | ug/l   | 97       |
| 47) Bromodichloromethane      | 7.818  | 83   | 42613    | 21.48  | ug/l   | 97       |
| 48) Methyl methacrylate       | 7.690  | 41   | 33167    | 20.59  | ug/l   | 97       |
| 49) 1,4-Dioxane               | 7.653  | 88   | 15602    | 451.49 | ug/l   | 98       |
| 51) 4-Methyl-2-Pentanone      | 8.568  | 43   | 228582   | 110.07 | ug/l   | 98       |
| 52) Toluene                   | 8.714  | 92   | 72346    | 20.46  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 39377    | 19.61  | ug/l   | 96       |
| 54) cis-1,3-Dichloropropene   | 8.360  | 75   | 45813    | 20.47  | ug/l   | 97       |
| 55) 1,1,2-Trichloroethane     | 9.147  | 97   | 27955    | 20.56  | ug/l   | 99       |
| 56) Ethyl methacrylate        | 9.110  | 69   | 43499    | 19.81  | ug/l   | 96       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 49217    | 20.69  | ug/l   | 99       |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 105247   | 97.62  | ug/l   | 100      |
| 59) 2-Hexanone                | 9.427  | 43   | 166721   | 111.42 | ug/l   | 96       |
| 60) Dibromochloromethane      | 9.519  | 129  | 30948    | 21.28  | ug/l   | 98       |
| 61) 1,2-Dibromoethane         | 9.604  | 107  | 28254    | 20.50  | ug/l   | 100      |
| 64) Tetrachloroethene         | 9.269  | 164  | 23498    | 21.02  | ug/l   | 99       |
| 65) Chlorobenzene             | 10.073 | 112  | 78593    | 20.64  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 24960    | 20.36  | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.189 | 91   | 135368   | 20.14  | ug/l   | 99       |
| 68) m/p-Xylenes               | 10.299 | 106  | 101372   | 40.89  | ug/l   | 98       |
| 69) o-Xylene                  | 10.640 | 106  | 50439    | 20.28  | ug/l   | 99       |
| 70) Styrene                   | 10.653 | 104  | 84167    | 21.00  | ug/l   | 100      |
| 71) Bromoform                 | 10.799 | 173  | 19556    | 21.38  | ug/l # | 98       |
| 73) Isopropylbenzene          | 10.957 | 105  | 130439   | 19.40  | ug/l   | 100      |
| 74) N-amyl acetate            | 10.842 | 43   | 59624    | 19.59  | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane | 11.207 | 83   | 44288    | 19.16  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 42527m   | 22.97  | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 30253    | 19.84  | ug/l   | 97       |
| 78) n-propylbenzene           | 11.299 | 91   | 152349   | 19.63  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 11.360 | 91   | 91778    | 19.24  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 11.445 | 105  | 108175   | 19.82  | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 12106    | 16.82  | ug/l   | 88       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 105620   | 20.01  | ug/l   | 100      |
| 83) tert-Butylbenzene         | 11.713 | 119  | 108865   | 19.72  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 109438   | 20.32  | ug/l   | 98       |
| 85) sec-Butylbenzene          | 11.884 | 105  | 135332   | 19.80  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 110856   | 20.16  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.963 | 146  | 56611    | 20.19  | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 12.037 | 146  | 56743    | 20.02  | ug/l   | 99       |
| 89) n-Butylbenzene            | 12.329 | 91   | 100938   | 20.75  | ug/l   | 99       |
| 90) Hexachloroethane          | 12.536 | 117  | 19319    | 18.77  | ug/l   | 99       |
| 91) 1,2-Dichlorobenzene       | 12.329 | 146  | 57211    | 20.76  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75   | 8149     | 19.32  | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 33743    | 20.24  | ug/l   | 100      |
| 94) Hexachlorobutadiene       | 13.719 | 225  | 13328    | 20.13  | ug/l   | 98       |
| 95) Naphthalene               | 13.774 | 128  | 118089   | 19.59  | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 13.957 | 180  | 33820    | 20.13  | ug/l   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021825\  
Data File : VX044979.D  
Acq On : 18 Feb 2025 11:54  
Operator : JC/MD  
Sample : VX0218WBS01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0218WBS01

**Manual Integrations**  
**APPROVED**

Reviewed By :John Carlone 02/19/2025  
Supervised By :Mahesh Dadoda 02/19/2025

Quant Time: Feb 18 12:21:30 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
Quant Title : SW846 8260  
QLast Update : Tue Feb 11 03:41:08 2025  
Response via : Initial Calibration

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

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

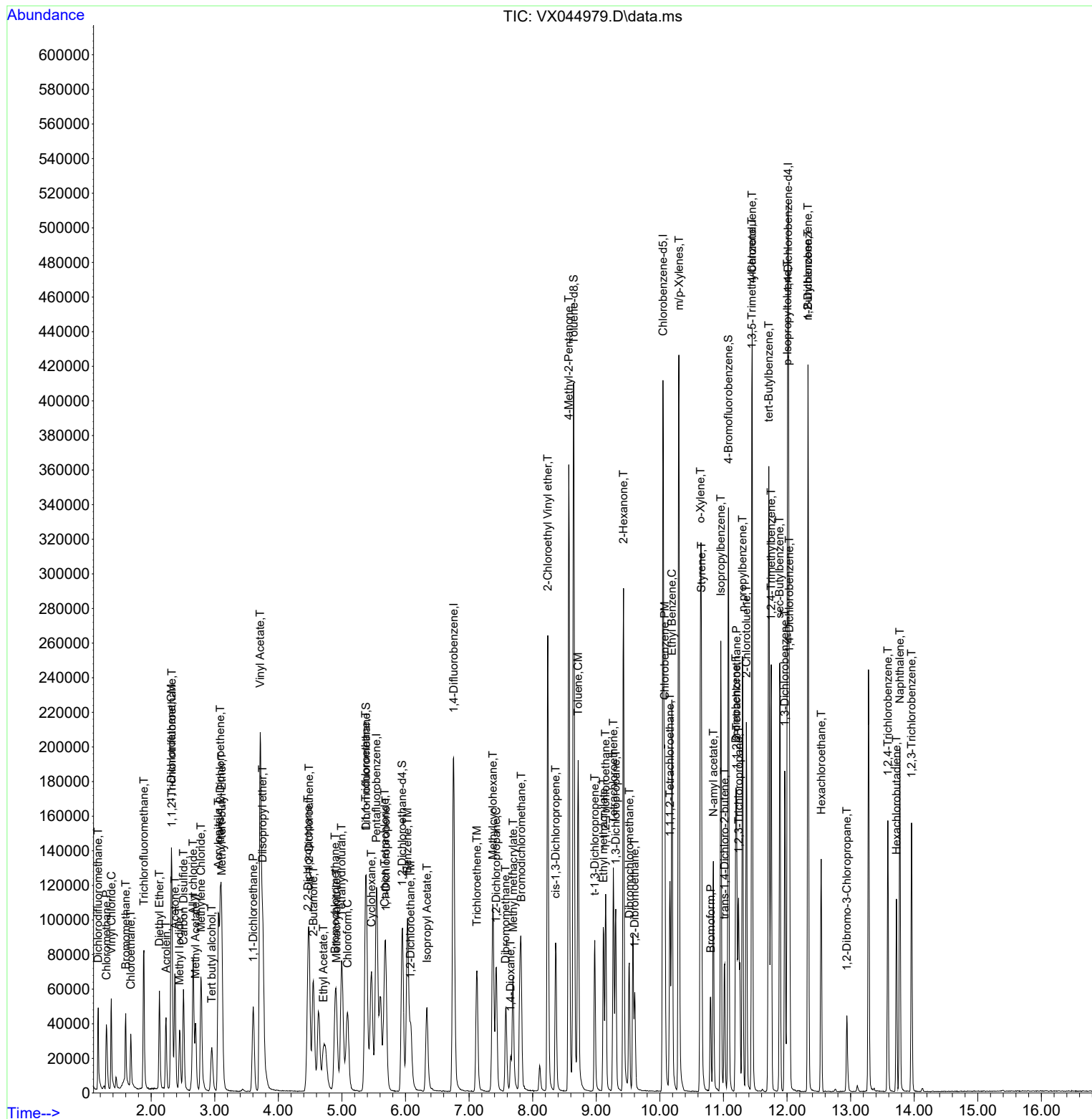
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021825\  
Data File : VX044979.D  
Acq On    : 18 Feb 2025   11:54  
Operator  : JC/MD  
Sample    : VX0218WBS01  
Misc      : 5.0mL/MSVOA_X/WATER  
ALS Vial  : 5      Sample Multiplier: 1
```

**Instrument :**  
MSVOA\_X  
**ClientSampleId :**  
VX0218WBS01

## Manual Integrations

Reviewed By :John Carlone 02/19/2025  
Supervised By :Mahesh Dadoda 02/19/2025

Quant Time: Feb 18 12:21:30 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
Quant Title : SW846 8260  
QLast Update : Tue Feb 11 03:41:08 2025  
Response via : Initial Calibration



## Report of Analysis

|                    |                                            |                 |                              |
|--------------------|--------------------------------------------|-----------------|------------------------------|
| Client:            | TechLaw Consultants, Inc                   | Date Collected: | 02/12/25                     |
| Project:           | REAC Commodore                             | Date Received:  | 02/13/25                     |
| Client Sample ID:  | MW-33D-021225MS                            | SDG No.:        | Q1363                        |
| Lab Sample ID:     | Q1363-05MS                                 | Matrix:         | Water                        |
| Analytical Method: | SW8260                                     | % Solid:        | 0                            |
| Sample Wt/Vol:     | 5                      Units:    mL        | Final Vol:      | 5000                      uL |
| Soil Aliquot Vol:  | uL                                         | Test:           | VOC-TCLVOA-10                |
| GC Column:         | DB-624UI                      ID :    0.18 | Level :         | LOW                          |
| Prep Method :      |                                            |                 |                              |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX044972.D        | 1         |           | 02/14/25 19:20 | VX021425      |

| CAS Number     | Parameter                      | Conc. | Qualifier | MDL  | LOQ / CRQL | Units |
|----------------|--------------------------------|-------|-----------|------|------------|-------|
| <b>TARGETS</b> |                                |       |           |      |            |       |
| 75-71-8        | Dichlorodifluoromethane        | 55.2  |           | 0.21 | 1.00       | ug/L  |
| 74-87-3        | Chloromethane                  | 48.4  |           | 0.35 | 1.00       | ug/L  |
| 75-01-4        | Vinyl Chloride                 | 46.8  |           | 0.34 | 1.00       | ug/L  |
| 74-83-9        | Bromomethane                   | 66.7  |           | 1.40 | 5.00       | ug/L  |
| 75-00-3        | Chloroethane                   | 81.7  |           | 0.56 | 1.00       | ug/L  |
| 75-69-4        | Trichlorofluoromethane         | 51.1  |           | 0.34 | 1.00       | ug/L  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 52.5  |           | 0.25 | 1.00       | ug/L  |
| 75-35-4        | 1,1-Dichloroethene             | 47.8  |           | 0.26 | 1.00       | ug/L  |
| 67-64-1        | Acetone                        | 290   |           | 1.40 | 5.00       | ug/L  |
| 75-15-0        | Carbon Disulfide               | 44.1  |           | 0.32 | 1.00       | ug/L  |
| 1634-04-4      | Methyl tert-butyl Ether        | 50.3  |           | 0.16 | 1.00       | ug/L  |
| 79-20-9        | Methyl Acetate                 | 53.1  |           | 0.60 | 1.00       | ug/L  |
| 75-09-2        | Methylene Chloride             | 48.9  |           | 0.32 | 1.00       | ug/L  |
| 156-60-5       | trans-1,2-Dichloroethene       | 49.6  |           | 0.25 | 1.00       | ug/L  |
| 75-34-3        | 1,1-Dichloroethane             | 50.3  |           | 0.23 | 1.00       | ug/L  |
| 110-82-7       | Cyclohexane                    | 47.2  |           | 1.60 | 5.00       | ug/L  |
| 78-93-3        | 2-Butanone                     | 290   |           | 1.30 | 5.00       | ug/L  |
| 56-23-5        | Carbon Tetrachloride           | 49.5  |           | 0.25 | 1.00       | ug/L  |
| 156-59-2       | cis-1,2-Dichloroethene         | 50.7  |           | 0.25 | 1.00       | ug/L  |
| 74-97-5        | Bromochloromethane             | 54.5  |           | 0.18 | 1.00       | ug/L  |
| 67-66-3        | Chloroform                     | 51.3  |           | 0.26 | 1.00       | ug/L  |
| 71-55-6        | 1,1,1-Trichloroethane          | 50.7  |           | 0.19 | 1.00       | ug/L  |
| 108-87-2       | Methylcyclohexane              | 47.3  |           | 0.19 | 1.00       | ug/L  |
| 71-43-2        | Benzene                        | 48.2  |           | 0.16 | 1.00       | ug/L  |
| 107-06-2       | 1,2-Dichloroethane             | 52.6  |           | 0.24 | 1.00       | ug/L  |
| 79-01-6        | Trichloroethene                | 55.7  |           | 0.32 | 1.00       | ug/L  |
| 78-87-5        | 1,2-Dichloropropane            | 48.9  |           | 0.19 | 1.00       | ug/L  |
| 75-27-4        | Bromodichloromethane           | 51.7  |           | 0.24 | 1.00       | ug/L  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 280   |           | 0.75 | 5.00       | ug/L  |
| 108-88-3       | Toluene                        | 49.3  |           | 0.18 | 1.00       | ug/L  |

### Report of Analysis

|                    |                          |        |      |                 |               |    |
|--------------------|--------------------------|--------|------|-----------------|---------------|----|
| Client:            | TechLaw Consultants, Inc |        |      | Date Collected: | 02/12/25      |    |
| Project:           | REAC Commodore           |        |      | Date Received:  | 02/13/25      |    |
| Client Sample ID:  | MW-33D-021225MS          |        |      | SDG No.:        | Q1363         |    |
| Lab Sample ID:     | Q1363-05MS               |        |      | Matrix:         | Water         |    |
| Analytical Method: | SW8260                   |        |      | % Solid:        | 0             |    |
| Sample Wt/Vol:     | 5                        | Units: | mL   | Final Vol:      | 5000          | uL |
| Soil Aliquot Vol:  |                          |        | uL   | Test:           | VOC-TCLVOA-10 |    |
| GC Column:         | DB-624UI                 | ID :   | 0.18 | Level :         | LOW           |    |
| Prep Method :      |                          |        |      |                 |               |    |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX044972.D        | 1         |           | 02/14/25 19:20 | VX021425      |

| CAS Number                | Parameter                   | Conc.  | Qualifier | MDL      | LOQ / CRQL | Units   |
|---------------------------|-----------------------------|--------|-----------|----------|------------|---------|
| 10061-02-6                | t-1,3-Dichloropropene       | 47.3   |           | 0.21     | 1.00       | ug/L    |
| 10061-01-5                | cis-1,3-Dichloropropene     | 48.5   |           | 0.18     | 1.00       | ug/L    |
| 79-00-5                   | 1,1,2-Trichloroethane       | 51.5   |           | 0.21     | 1.00       | ug/L    |
| 591-78-6                  | 2-Hexanone                  | 290    |           | 1.10     | 5.00       | ug/L    |
| 124-48-1                  | Dibromochloromethane        | 52.0   |           | 0.18     | 1.00       | ug/L    |
| 106-93-4                  | 1,2-Dibromoethane           | 50.1   |           | 0.16     | 1.00       | ug/L    |
| 127-18-4                  | Tetrachloroethene           | 47.8   |           | 0.25     | 1.00       | ug/L    |
| 108-90-7                  | Chlorobenzene               | 46.9   |           | 0.13     | 1.00       | ug/L    |
| 100-41-4                  | Ethyl Benzene               | 47.2   |           | 0.16     | 1.00       | ug/L    |
| 179601-23-1               | m/p-Xylenes                 | 94.1   |           | 0.31     | 2.00       | ug/L    |
| 95-47-6                   | o-Xylene                    | 46.9   |           | 0.14     | 1.00       | ug/L    |
| 100-42-5                  | Styrene                     | 49.5   |           | 0.16     | 1.00       | ug/L    |
| 75-25-2                   | Bromoform                   | 49.9   |           | 0.21     | 1.00       | ug/L    |
| 98-82-8                   | Isopropylbenzene            | 44.1   |           | 0.13     | 1.00       | ug/L    |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane   | 45.0   |           | 0.27     | 1.00       | ug/L    |
| 541-73-1                  | 1,3-Dichlorobenzene         | 45.4   |           | 0.24     | 1.00       | ug/L    |
| 106-46-7                  | 1,4-Dichlorobenzene         | 45.0   |           | 0.27     | 1.00       | ug/L    |
| 95-50-1                   | 1,2-Dichlorobenzene         | 45.6   |           | 0.19     | 1.00       | ug/L    |
| 96-12-8                   | 1,2-Dibromo-3-Chloropropane | 47.6   |           | 0.46     | 1.00       | ug/L    |
| 120-82-1                  | 1,2,4-Trichlorobenzene      | 46.9   |           | 0.42     | 1.00       | ug/L    |
| 87-61-6                   | 1,2,3-Trichlorobenzene      | 45.0   |           | 0.51     | 1.00       | ug/L    |
| <b>SURROGATES</b>         |                             |        |           |          |            |         |
| 17060-07-0                | 1,2-Dichloroethane-d4       | 54.9   |           | 74 - 125 | 110%       | SPK: 50 |
| 1868-53-7                 | Dibromofluoromethane        | 51.3   |           | 75 - 124 | 103%       | SPK: 50 |
| 2037-26-5                 | Toluene-d8                  | 50.5   |           | 86 - 113 | 101%       | SPK: 50 |
| 460-00-4                  | 4-Bromofluorobenzene        | 55.7   |           | 77 - 121 | 111%       | SPK: 50 |
| <b>INTERNAL STANDARDS</b> |                             |        |           |          |            |         |
| 363-72-4                  | Pentafluorobenzene          | 97400  | 5.544     |          |            |         |
| 540-36-3                  | 1,4-Difluorobenzene         | 182000 | 6.757     |          |            |         |
| 3114-55-4                 | Chlorobenzene-d5            | 167000 | 10.049    |          |            |         |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4      | 80400  | 12.018    |          |            |         |

## Report of Analysis

|                    |                          |           |                 |               |    |
|--------------------|--------------------------|-----------|-----------------|---------------|----|
| Client:            | TechLaw Consultants, Inc |           | Date Collected: | 02/12/25      |    |
| Project:           | REAC Commodore           |           | Date Received:  | 02/13/25      |    |
| Client Sample ID:  | MW-33D-021225MS          |           | SDG No.:        | Q1363         |    |
| Lab Sample ID:     | Q1363-05MS               |           | Matrix:         | Water         |    |
| Analytical Method: | SW8260                   |           | % Solid:        | 0             |    |
| Sample Wt/Vol:     | 5                        | Units: mL | Final Vol:      | 5000          | uL |
| Soil Aliquot Vol:  |                          | uL        | Test:           | VOC-TCLVOA-10 |    |
| GC Column:         | DB-624UI                 | ID : 0.18 | Level :         | LOW           |    |
| Prep Method :      |                          |           |                 |               |    |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX044972.D        | 1         |           | 02/14/25 19:20 | VX021425      |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|------------|-----------|-------|-----------|-----|------------|-------|
|------------|-----------|-------|-----------|-----|------------|-------|

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021425\  
 Data File : VX044972.D  
 Acq On : 14 Feb 2025 19:20  
 Operator : JC/MD  
 Sample : Q1363-05MS  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-33D-021225MS

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 02/18/2025  
 Supervised By : Mahesh Dadoda 02/19/2025

Quant Time: Feb 14 22:19:45 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 11 03:41:08 2025  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|------------------------------|--------|-------|----------|----------|------------|----------|
| -----                        |        |       |          |          |            |          |
| Internal Standards           |        |       |          |          |            |          |
| 1) Pentafluorobenzene        | 5.544  | 168   | 97424    | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.757  | 114   | 182191   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5         | 10.049 | 117   | 167355   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.018 | 152   | 80350    | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds  |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4    | 5.946  | 65    | 78282    | 54.892   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 74 - 125 | Recovery | = 109.780% |          |
| 35) Dibromofluoromethane     | 5.379  | 113   | 60760    | 51.294   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 75 - 124 | Recovery | = 102.580% |          |
| 50) Toluene-d8               | 8.647  | 98    | 226090   | 50.475   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 86 - 113 | Recovery | = 100.960% |          |
| 62) 4-Bromofluorobenzene     | 11.079 | 95    | 84062    | 55.668   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 77 - 121 | Recovery | = 111.340% |          |
| Target Compounds             |        |       |          |          |            | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.166  | 85    | 75370    | 55.159   | ug/l       | 98       |
| 3) Chloromethane             | 1.307  | 50    | 80520    | 48.417   | ug/l       | 96       |
| 4) Vinyl Chloride            | 1.374  | 62    | 75466    | 46.840   | ug/l       | 99       |
| 5) Bromomethane              | 1.599  | 94    | 32163    | 66.712   | ug/l       | 98       |
| 6) Chloroethane              | 1.678  | 64    | 44294    | 81.681   | ug/l       | 99       |
| 7) Trichlorofluoromethane    | 1.880  | 101   | 104087   | 51.086   | ug/l       | 97       |
| 8) Diethyl Ether             | 2.130  | 74    | 37925    | 51.325   | ug/l       | 97       |
| 9) 1,1,2-Trichlorotrifluo... | 2.325  | 101   | 64606    | 52.482   | ug/l       | 99       |
| 10) Methyl Iodide            | 2.447  | 142   | 81043    | 50.797   | ug/l       | 97       |
| 11) Tert butyl alcohol       | 2.959  | 59    | 73804    | 278.961  | ug/l       | 100      |
| 12) 1,1-Dichloroethene       | 2.312  | 96    | 59978    | 47.764   | ug/l       | 93       |
| 13) Acrolein                 | 2.233  | 56    | 76077    | 278.704  | ug/l       | 99       |
| 14) Allyl chloride           | 2.660  | 41    | 112339   | 49.501   | ug/l       | 97       |
| 15) Acrylonitrile            | 3.062  | 53    | 193989   | 274.621  | ug/l       | 99       |
| 16) Acetone                  | 2.373  | 43    | 168441   | 293.805  | ug/l       | 95       |
| 17) Carbon Disulfide         | 2.508  | 76    | 151908   | 44.116   | ug/l       | 99       |
| 18) Methyl Acetate           | 2.703  | 43    | 96089    | 53.113   | ug/l       | 99       |
| 19) Methyl tert-butyl Ether  | 3.111  | 73    | 201111   | 50.337   | ug/l       | 99       |
| 20) Methylene Chloride       | 2.782  | 84    | 68674    | 48.904   | ug/l       | 96       |
| 21) trans-1,2-Dichloroethene | 3.087  | 96    | 61325    | 49.620   | ug/l       | 95       |
| 22) Diisopropyl ether        | 3.757  | 45    | 224076   | 52.190   | ug/l       | 96       |
| 23) Vinyl Acetate            | 3.715  | 43    | 872986   | 249.407  | ug/l       | 99       |
| 24) 1,1-Dichloroethane       | 3.605  | 63    | 120881   | 50.318   | ug/l       | 99       |
| 25) 2-Butanone               | 4.550  | 43    | 266989   | 286.792  | ug/l       | 96       |
| 26) 2,2-Dichloropropane      | 4.471  | 77    | 81427    | 42.741   | ug/l       | 99       |
| 27) cis-1,2-Dichloroethene   | 4.483  | 96    | 75247    | 50.688   | ug/l       | 99       |
| 28) Bromochloromethane       | 4.891  | 49    | 62951    | 54.526   | ug/l       | 99       |
| 29) Tetrahydrofuran          | 4.995  | 42    | 174505   | 282.292  | ug/l       | 98       |
| 30) Chloroform               | 5.086  | 83    | 119451   | 51.272   | ug/l       | 98       |
| 31) Cyclohexane              | 5.464  | 56    | 104588   | 47.224   | ug/l       | 97       |
| 32) 1,1,1-Trichloroethane    | 5.379  | 97    | 100127   | 50.668   | ug/l       | 99       |
| 36) 1,1-Dichloropropene      | 5.684  | 75    | 81429    | 47.648   | ug/l       | 100      |
| 37) Ethyl Acetate            | 4.708  | 43    | 94446    | 49.686   | ug/l       | 100      |
| 38) Carbon Tetrachloride     | 5.672  | 117   | 82844    | 49.468   | ug/l       | 99       |
| 39) Methylcyclohexane        | 7.379  | 83    | 104430   | 47.265   | ug/l       | 97       |
| 40) Benzene                  | 6.031  | 78    | 257225   | 48.202   | ug/l       | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021425\  
 Data File : VX044972.D  
 Acq On : 14 Feb 2025 19:20  
 Operator : JC/MD  
 Sample : Q1363-05MS  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 26 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-33D-021225MS

Manual Integrations  
 APPROVED

Reviewed By :John Carlone 02/18/2025  
 Supervised By :Mahesh Dadoda 02/19/2025

Quant Time: Feb 14 22:19:45 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 11 03:41:08 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 4.916  | 41   | 54927    | 53.984   | ug/l   | 99       |
| 42) 1,2-Dichloroethane        | 6.080  | 62   | 89488    | 52.616   | ug/l   | 98       |
| 43) Isopropyl Acetate         | 6.336  | 43   | 154203   | 50.235   | ug/l   | 99       |
| 44) Trichloroethene           | 7.123  | 130  | 68001    | 55.749   | ug/l   | 99       |
| 45) 1,2-Dichloropropane       | 7.427  | 63   | 64941    | 48.915   | ug/l   | 98       |
| 46) Dibromomethane            | 7.574  | 93   | 46729    | 50.753   | ug/l   | 99       |
| 47) Bromodichloromethane      | 7.818  | 83   | 92213    | 51.725   | ug/l   | 98       |
| 48) Methyl methacrylate       | 7.690  | 41   | 78211    | 54.037   | ug/l   | 97       |
| 49) 1,4-Dioxane               | 7.659  | 88   | 36730    | 1182.817 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone      | 8.567  | 43   | 530321   | 284.179  | ug/l   | 97       |
| 52) Toluene                   | 8.714  | 92   | 156652   | 49.291   | ug/l   | 100      |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 85404    | 47.340   | ug/l   | 100      |
| 54) cis-1,3-Dichloropropene   | 8.360  | 75   | 97495    | 48.470   | ug/l   | 99       |
| 55) 1,1,2-Trichloroethane     | 9.147  | 97   | 62978    | 51.549   | ug/l   | 99       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 101104   | 51.239   | ug/l   | 97       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 107154   | 50.128   | ug/l   | 99       |
| 59) 2-Hexanone                | 9.427  | 43   | 391620   | 291.258  | ug/l   | 97       |
| 60) Dibromochloromethane      | 9.518  | 129  | 67902    | 51.969   | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 9.604  | 107  | 62076    | 50.131   | ug/l   | 99       |
| 64) Tetrachloroethene         | 9.269  | 164  | 50473    | 47.823   | ug/l   | 99       |
| 65) Chlorobenzene             | 10.073 | 112  | 168410   | 46.852   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 54007    | 46.680   | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.189 | 91   | 299209   | 47.170   | ug/l   | 98       |
| 68) m/p-Xylenes               | 10.299 | 106  | 220184   | 94.099   | ug/l   | 99       |
| 69) o-Xylene                  | 10.640 | 106  | 110095   | 46.891   | ug/l   | 98       |
| 70) Styrene                   | 10.652 | 104  | 187077   | 49.456   | ug/l   | 99       |
| 71) Bromoform                 | 10.799 | 173  | 43104    | 49.921   | ug/l # | 98       |
| 73) Isopropylbenzene          | 10.957 | 105  | 285604   | 44.145   | ug/l   | 99       |
| 74) N-amyl acetate            | 10.841 | 43   | 134612   | 45.980   | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane | 11.207 | 83   | 100110   | 45.030   | ug/l   | 100      |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 82750m   | 46.450   | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 66247    | 45.165   | ug/l   | 96       |
| 78) n-propylbenzene           | 11.299 | 91   | 335698   | 44.954   | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 11.360 | 91   | 201102   | 43.818   | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 233774   | 44.527   | ug/l   | 100      |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 27634    | 39.902   | ug/l   | 92       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 225029   | 44.319   | ug/l   | 99       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 237506   | 44.718   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 238569   | 46.039   | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 298634   | 45.407   | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 244755   | 46.276   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 122530   | 45.426   | ug/l   | 98       |
| 88) 1,4-Dichlorobenzene       | 12.036 | 146  | 122654   | 44.974   | ug/l   | 100      |
| 89) n-Butylbenzene            | 12.329 | 91   | 227577   | 48.636   | ug/l   | 99       |
| 90) Hexachloroethane          | 12.536 | 117  | 42742    | 43.159   | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 120780   | 45.561   | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75   | 19324    | 47.625   | ug/l   | 99       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 75259    | 46.916   | ug/l   | 98       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 29179    | 45.821   | ug/l   | 99       |
| 95) Naphthalene               | 13.774 | 128  | 269046   | 46.398   | ug/l   | 99       |
| 96) 1,2,3-Trichlorobenzene    | 13.957 | 180  | 72716    | 44.987   | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021425\  
Data File : VX044972.D  
Acq On : 14 Feb 2025 19:20  
Operator : JC/MD  
Sample : Q1363-05MS  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-33D-021225MS

Manual Integrations  
**APPROVED**

Reviewed By :John Carlone 02/18/2025  
Supervised By :Mahesh Dadoda 02/19/2025

Quant Time: Feb 14 22:19:45 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
Quant Title : SW846 8260  
QLast Update : Tue Feb 11 03:41:08 2025  
Response via : Initial Calibration

| Compound                                                             | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------------------------------------------------|------|------|----------|------|-------|----------|
| -----                                                                |      |      |          |      |       |          |
| (#)=qualifier out of range (m)=manual integration (+)=signals summed |      |      |          |      |       |          |

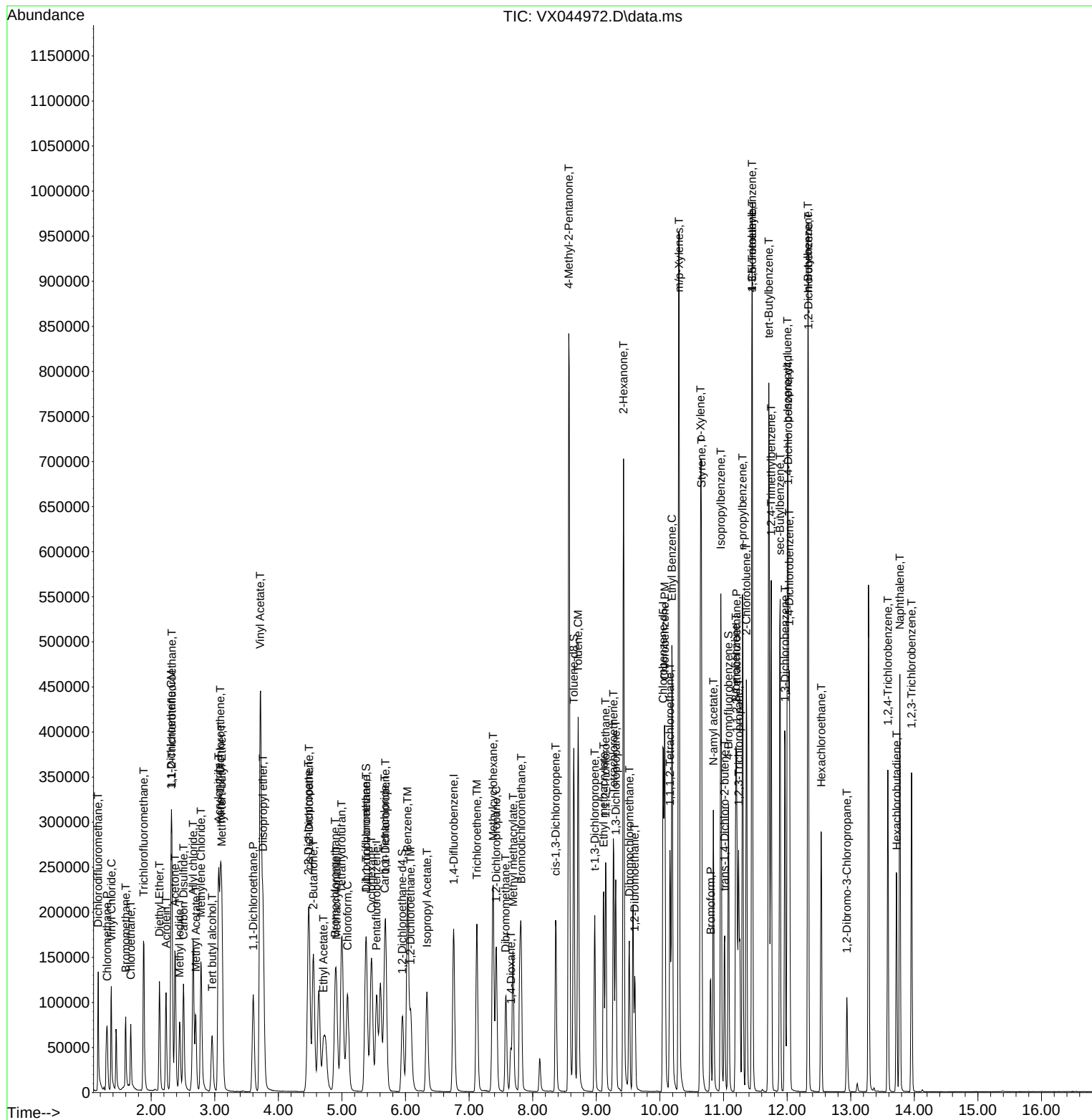
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021425\
Data File : VX044972.D
Acq On    : 14 Feb 2025  19:20
Operator  : JC/MD
Sample    : Q1363-05MS
Misc      : 5.0mL/MSVOA_X/WATER
ALS Vial  : 26   Sample Multiplier: 1
```

**Instrument :**  
MSVOA\_X  
**ClientSampleId :**  
MW-33D-021225MS

## Manual Integrations

Reviewed By :John Carlone 02/18/2025  
Supervised By :Mahesh Dadoda 02/19/2025

Quant Time: Feb 14 22:19:45 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
Quant Title : SW846 8260  
QLast Update : Tue Feb 11 03:41:08 2025  
Response via : Initial Calibration



### Report of Analysis

|                    |                          |           |                 |               |    |
|--------------------|--------------------------|-----------|-----------------|---------------|----|
| Client:            | TechLaw Consultants, Inc |           | Date Collected: | 02/12/25      |    |
| Project:           | REAC Commodore           |           | Date Received:  | 02/13/25      |    |
| Client Sample ID:  | MW-33D-021225MSD         |           | SDG No.:        | Q1363         |    |
| Lab Sample ID:     | Q1363-06MSD              |           | Matrix:         | Water         |    |
| Analytical Method: | SW8260                   |           | % Solid:        | 0             |    |
| Sample Wt/Vol:     | 5                        | Units: mL | Final Vol:      | 5000          | uL |
| Soil Aliquot Vol:  |                          | uL        | Test:           | VOC-TCLVOA-10 |    |
| GC Column:         | DB-624UI                 | ID : 0.18 | Level :         | LOW           |    |
| Prep Method :      |                          |           |                 |               |    |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX044973.D        | 1         |           | 02/14/25 19:43 | VX021425      |

| CAS Number     | Parameter                      | Conc. | Qualifier | MDL  | LOQ / CRQL | Units |
|----------------|--------------------------------|-------|-----------|------|------------|-------|
| <b>TARGETS</b> |                                |       |           |      |            |       |
| 75-71-8        | Dichlorodifluoromethane        | 60.7  |           | 0.21 | 1.00       | ug/L  |
| 74-87-3        | Chloromethane                  | 52.3  |           | 0.35 | 1.00       | ug/L  |
| 75-01-4        | Vinyl Chloride                 | 50.8  |           | 0.34 | 1.00       | ug/L  |
| 74-83-9        | Bromomethane                   | 75.4  |           | 1.40 | 5.00       | ug/L  |
| 75-00-3        | Chloroethane                   | 99.8  |           | 0.56 | 1.00       | ug/L  |
| 75-69-4        | Trichlorofluoromethane         | 56.7  |           | 0.34 | 1.00       | ug/L  |
| 76-13-1        | 1,1,2-Trichlorotrifluoroethane | 57.4  |           | 0.25 | 1.00       | ug/L  |
| 75-35-4        | 1,1-Dichloroethene             | 53.2  |           | 0.26 | 1.00       | ug/L  |
| 67-64-1        | Acetone                        | 320   |           | 1.40 | 5.00       | ug/L  |
| 75-15-0        | Carbon Disulfide               | 50.8  |           | 0.32 | 1.00       | ug/L  |
| 1634-04-4      | Methyl tert-butyl Ether        | 56.3  |           | 0.16 | 1.00       | ug/L  |
| 79-20-9        | Methyl Acetate                 | 59.9  |           | 0.60 | 1.00       | ug/L  |
| 75-09-2        | Methylene Chloride             | 55.1  |           | 0.32 | 1.00       | ug/L  |
| 156-60-5       | trans-1,2-Dichloroethene       | 55.0  |           | 0.25 | 1.00       | ug/L  |
| 75-34-3        | 1,1-Dichloroethane             | 55.8  |           | 0.23 | 1.00       | ug/L  |
| 110-82-7       | Cyclohexane                    | 52.5  |           | 1.60 | 5.00       | ug/L  |
| 78-93-3        | 2-Butanone                     | 320   |           | 1.30 | 5.00       | ug/L  |
| 56-23-5        | Carbon Tetrachloride           | 55.5  |           | 0.25 | 1.00       | ug/L  |
| 156-59-2       | cis-1,2-Dichloroethene         | 58.3  |           | 0.25 | 1.00       | ug/L  |
| 74-97-5        | Bromochloromethane             | 59.1  |           | 0.18 | 1.00       | ug/L  |
| 67-66-3        | Chloroform                     | 57.4  |           | 0.26 | 1.00       | ug/L  |
| 71-55-6        | 1,1,1-Trichloroethane          | 57.3  |           | 0.19 | 1.00       | ug/L  |
| 108-87-2       | Methylcyclohexane              | 53.2  |           | 0.19 | 1.00       | ug/L  |
| 71-43-2        | Benzene                        | 54.8  |           | 0.16 | 1.00       | ug/L  |
| 107-06-2       | 1,2-Dichloroethane             | 59.3  |           | 0.24 | 1.00       | ug/L  |
| 79-01-6        | Trichloroethene                | 62.2  |           | 0.32 | 1.00       | ug/L  |
| 78-87-5        | 1,2-Dichloropropane            | 56.3  |           | 0.19 | 1.00       | ug/L  |
| 75-27-4        | Bromodichloromethane           | 58.7  |           | 0.24 | 1.00       | ug/L  |
| 108-10-1       | 4-Methyl-2-Pentanone           | 320   |           | 0.75 | 5.00       | ug/L  |
| 108-88-3       | Toluene                        | 56.0  |           | 0.18 | 1.00       | ug/L  |

### Report of Analysis

|                    |                          |        |      |                 |               |    |
|--------------------|--------------------------|--------|------|-----------------|---------------|----|
| Client:            | TechLaw Consultants, Inc |        |      | Date Collected: | 02/12/25      |    |
| Project:           | REAC Commodore           |        |      | Date Received:  | 02/13/25      |    |
| Client Sample ID:  | MW-33D-021225MSD         |        |      | SDG No.:        | Q1363         |    |
| Lab Sample ID:     | Q1363-06MSD              |        |      | Matrix:         | Water         |    |
| Analytical Method: | SW8260                   |        |      | % Solid:        | 0             |    |
| Sample Wt/Vol:     | 5                        | Units: | mL   | Final Vol:      | 5000          | uL |
| Soil Aliquot Vol:  |                          |        | uL   | Test:           | VOC-TCLVOA-10 |    |
| GC Column:         | DB-624UI                 | ID :   | 0.18 | Level :         | LOW           |    |
| Prep Method :      |                          |        |      |                 |               |    |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX044973.D        | 1         |           | 02/14/25 19:43 | VX021425      |

| CAS Number                | Parameter                   | Conc.  | Qualifier | MDL      | LOQ / CRQL | Units   |
|---------------------------|-----------------------------|--------|-----------|----------|------------|---------|
| 10061-02-6                | t-1,3-Dichloropropene       | 56.5   |           | 0.21     | 1.00       | ug/L    |
| 10061-01-5                | cis-1,3-Dichloropropene     | 55.8   |           | 0.18     | 1.00       | ug/L    |
| 79-00-5                   | 1,1,2-Trichloroethane       | 58.2   |           | 0.21     | 1.00       | ug/L    |
| 591-78-6                  | 2-Hexanone                  | 330    |           | 1.10     | 5.00       | ug/L    |
| 124-48-1                  | Dibromochloromethane        | 59.8   |           | 0.18     | 1.00       | ug/L    |
| 106-93-4                  | 1,2-Dibromoethane           | 57.8   |           | 0.16     | 1.00       | ug/L    |
| 127-18-4                  | Tetrachloroethene           | 54.8   |           | 0.25     | 1.00       | ug/L    |
| 108-90-7                  | Chlorobenzene               | 54.0   |           | 0.13     | 1.00       | ug/L    |
| 100-41-4                  | Ethyl Benzene               | 54.2   |           | 0.16     | 1.00       | ug/L    |
| 179601-23-1               | m/p-Xylenes                 | 110    |           | 0.31     | 2.00       | ug/L    |
| 95-47-6                   | o-Xylene                    | 52.3   |           | 0.14     | 1.00       | ug/L    |
| 100-42-5                  | Styrene                     | 56.6   |           | 0.16     | 1.00       | ug/L    |
| 75-25-2                   | Bromoform                   | 57.2   |           | 0.21     | 1.00       | ug/L    |
| 98-82-8                   | Isopropylbenzene            | 50.1   |           | 0.13     | 1.00       | ug/L    |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane   | 51.4   |           | 0.27     | 1.00       | ug/L    |
| 541-73-1                  | 1,3-Dichlorobenzene         | 51.4   |           | 0.24     | 1.00       | ug/L    |
| 106-46-7                  | 1,4-Dichlorobenzene         | 51.7   |           | 0.27     | 1.00       | ug/L    |
| 95-50-1                   | 1,2-Dichlorobenzene         | 52.4   |           | 0.19     | 1.00       | ug/L    |
| 96-12-8                   | 1,2-Dibromo-3-Chloropropane | 56.5   |           | 0.46     | 1.00       | ug/L    |
| 120-82-1                  | 1,2,4-Trichlorobenzene      | 54.6   |           | 0.42     | 1.00       | ug/L    |
| 87-61-6                   | 1,2,3-Trichlorobenzene      | 54.8   |           | 0.51     | 1.00       | ug/L    |
| <b>SURROGATES</b>         |                             |        |           |          |            |         |
| 17060-07-0                | 1,2-Dichloroethane-d4       | 57.8   |           | 74 - 125 | 116%       | SPK: 50 |
| 1868-53-7                 | Dibromofluoromethane        | 55.6   |           | 75 - 124 | 111%       | SPK: 50 |
| 2037-26-5                 | Toluene-d8                  | 54.5   |           | 86 - 113 | 109%       | SPK: 50 |
| 460-00-4                  | 4-Bromofluorobenzene        | 58.6   |           | 77 - 121 | 117%       | SPK: 50 |
| <b>INTERNAL STANDARDS</b> |                             |        |           |          |            |         |
| 363-72-4                  | Pentafluorobenzene          | 87400  | 5.544     |          |            |         |
| 540-36-3                  | 1,4-Difluorobenzene         | 163000 | 6.757     |          |            |         |
| 3114-55-4                 | Chlorobenzene-d5            | 149000 | 10.049    |          |            |         |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4      | 71500  | 12.018    |          |            |         |

## Report of Analysis

|                    |                          |           |                 |               |    |
|--------------------|--------------------------|-----------|-----------------|---------------|----|
| Client:            | TechLaw Consultants, Inc |           | Date Collected: | 02/12/25      |    |
| Project:           | REAC Commodore           |           | Date Received:  | 02/13/25      |    |
| Client Sample ID:  | MW-33D-021225MSD         |           | SDG No.:        | Q1363         |    |
| Lab Sample ID:     | Q1363-06MSD              |           | Matrix:         | Water         |    |
| Analytical Method: | SW8260                   |           | % Solid:        | 0             |    |
| Sample Wt/Vol:     | 5                        | Units: mL | Final Vol:      | 5000          | uL |
| Soil Aliquot Vol:  |                          | uL        | Test:           | VOC-TCLVOA-10 |    |
| GC Column:         | DB-624UI                 | ID : 0.18 | Level :         | LOW           |    |
| Prep Method :      |                          |           |                 |               |    |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX044973.D        | 1         |           | 02/14/25 19:43 | VX021425      |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|------------|-----------|-------|-----------|-----|------------|-------|
|------------|-----------|-------|-----------|-----|------------|-------|

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021425\  
 Data File : VX044973.D  
 Acq On : 14 Feb 2025 19:43  
 Operator : JC/MD  
 Sample : Q1363-06MSD  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-33D-021225MSD

Manual Integrations  
 APPROVED

Reviewed By : John Carlone 02/18/2025  
 Supervised By : Mahesh Dadoda 02/19/2025

Quant Time: Feb 14 22:20:56 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 11 03:41:08 2025  
 Response via : Initial Calibration

| Compound                     | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|------------------------------|--------|-------|----------|----------|------------|----------|
| -----                        |        |       |          |          |            |          |
| Internal Standards           |        |       |          |          |            |          |
| 1) Pentafluorobenzene        | 5.544  | 168   | 87367    | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.757  | 114   | 162792   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5         | 10.049 | 117   | 149234   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.018 | 152   | 71520    | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds  |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4    | 5.952  | 65    | 73871    | 57.762   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 74 - 125 | Recovery | = 115.520% |          |
| 35) Dibromofluoromethane     | 5.379  | 113   | 58879    | 55.629   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 75 - 124 | Recovery | = 111.260% |          |
| 50) Toluene-d8               | 8.647  | 98    | 217960   | 54.459   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 86 - 113 | Recovery | = 108.920% |          |
| 62) 4-Bromofluorobenzene     | 11.079 | 95    | 79003    | 58.553   | ug/l       | 0.00     |
| Spiked Amount                | 50.000 | Range | 77 - 121 | Recovery | = 117.100% |          |
| Target Compounds             |        |       |          |          |            | Qvalue   |
| 2) Dichlorodifluoromethane   | 1.166  | 85    | 74436    | 60.746   | ug/l       | 96       |
| 3) Chloromethane             | 1.300  | 50    | 77975    | 52.284   | ug/l       | 98       |
| 4) Vinyl Chloride            | 1.374  | 62    | 73439    | 50.829   | ug/l       | 99       |
| 5) Bromomethane              | 1.599  | 94    | 32586    | 75.370   | ug/l       | 98       |
| 6) Chloroethane              | 1.678  | 64    | 44072    | 99.801   | ug/l       | 100      |
| 7) Trichlorofluoromethane    | 1.880  | 101   | 103614   | 56.708   | ug/l       | 99       |
| 8) Diethyl Ether             | 2.130  | 74    | 37435    | 56.494   | ug/l       | 97       |
| 9) 1,1,2-Trichlorotrifluo... | 2.325  | 101   | 63368    | 57.401   | ug/l       | 99       |
| 10) Methyl Iodide            | 2.447  | 142   | 79463    | 55.540   | ug/l       | 97       |
| 11) Tert butyl alcohol       | 2.959  | 59    | 74598    | 314.419  | ug/l       | 99       |
| 12) 1,1-Dichloroethene       | 2.312  | 96    | 59876    | 53.172   | ug/l       | 92       |
| 13) Acrolein                 | 2.233  | 56    | 73481    | 300.181  | ug/l       | 99       |
| 14) Allyl chloride           | 2.660  | 41    | 112532   | 55.295   | ug/l       | 98       |
| 15) Acrylonitrile            | 3.056  | 53    | 192489   | 303.865  | ug/l       | 98       |
| 16) Acetone                  | 2.373  | 43    | 163535   | 318.083  | ug/l       | 93       |
| 17) Carbon Disulfide         | 2.507  | 76    | 156801   | 50.778   | ug/l       | 99       |
| 18) Methyl Acetate           | 2.696  | 43    | 97164    | 59.889   | ug/l       | 97       |
| 19) Methyl tert-butyl Ether  | 3.111  | 73    | 201723   | 56.302   | ug/l       | 100      |
| 20) Methylene Chloride       | 2.788  | 84    | 69398    | 55.108   | ug/l       | 98       |
| 21) trans-1,2-Dichloroethene | 3.087  | 96    | 60987    | 55.027   | ug/l       | 92       |
| 22) Diisopropyl ether        | 3.757  | 45    | 223934   | 58.161   | ug/l       | 98       |
| 23) Vinyl Acetate            | 3.715  | 43    | 892983   | 284.488  | ug/l       | 99       |
| 24) 1,1-Dichloroethane       | 3.605  | 63    | 120285   | 55.834   | ug/l       | 98       |
| 25) 2-Butanone               | 4.550  | 43    | 270400   | 323.891  | ug/l       | 96       |
| 26) 2,2-Dichloropropane      | 4.464  | 77    | 82392    | 48.226   | ug/l       | 98       |
| 27) cis-1,2-Dichloroethene   | 4.483  | 96    | 77639    | 58.319   | ug/l       | 99       |
| 28) Bromochloromethane       | 4.891  | 49    | 61171    | 59.084   | ug/l       | 99       |
| 29) Tetrahydrofuran          | 4.995  | 42    | 173649   | 313.243  | ug/l       | 99       |
| 30) Chloroform               | 5.086  | 83    | 120017   | 57.445   | ug/l       | 99       |
| 31) Cyclohexane              | 5.464  | 56    | 104280   | 52.505   | ug/l       | 97       |
| 32) 1,1,1-Trichloroethane    | 5.379  | 97    | 101477   | 57.263   | ug/l       | 99       |
| 36) 1,1-Dichloropropene      | 5.690  | 75    | 82390    | 53.955   | ug/l       | 99       |
| 37) Ethyl Acetate            | 4.708  | 43    | 97704    | 57.524   | ug/l       | 99       |
| 38) Carbon Tetrachloride     | 5.672  | 117   | 82986    | 55.457   | ug/l       | 99       |
| 39) Methylcyclohexane        | 7.372  | 83    | 105123   | 53.249   | ug/l       | 96       |
| 40) Benzene                  | 6.031  | 78    | 261188   | 54.777   | ug/l       | 100      |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021425\  
 Data File : VX044973.D  
 Acq On : 14 Feb 2025 19:43  
 Operator : JC/MD  
 Sample : Q1363-06MSD  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 27 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW-33D-021225MSD

Manual Integrations  
 APPROVED

Reviewed By :John Carlone 02/18/2025  
 Supervised By :Mahesh Dadoda 02/19/2025

Quant Time: Feb 14 22:20:56 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Feb 11 03:41:08 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc     | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|----------|--------|----------|
| 41) Methacrylonitrile         | 4.910  | 41   | 56683    | 62.348   | ug/l   | 99       |
| 42) 1,2-Dichloroethane        | 6.080  | 62   | 90137    | 59.313   | ug/l   | 98       |
| 43) Isopropyl Acetate         | 6.336  | 43   | 160008   | 58.338   | ug/l   | 98       |
| 44) Trichloroethene           | 7.116  | 130  | 67738    | 62.151   | ug/l   | 98       |
| 45) 1,2-Dichloropropane       | 7.427  | 63   | 66755    | 56.273   | ug/l   | 99       |
| 46) Dibromomethane            | 7.574  | 93   | 47222    | 57.401   | ug/l   | 100      |
| 47) Bromodichloromethane      | 7.818  | 83   | 93568    | 58.739   | ug/l   | 99       |
| 48) Methyl methacrylate       | 7.689  | 41   | 80029    | 61.882   | ug/l   | 96       |
| 49) 1,4-Dioxane               | 7.653  | 88   | 37192    | 1340.417 | ug/l   | 99       |
| 51) 4-Methyl-2-Pentanone      | 8.567  | 43   | 536092   | 321.504  | ug/l   | 98       |
| 52) Toluene                   | 8.714  | 92   | 158915   | 55.961   | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 91140    | 56.539   | ug/l   | 96       |
| 54) cis-1,3-Dichloropropene   | 8.360  | 75   | 100309   | 55.811   | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane     | 9.147  | 97   | 63500    | 58.170   | ug/l   | 99       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 104351   | 59.186   | ug/l   | 97       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 109859   | 57.517   | ug/l   | 100      |
| 59) 2-Hexanone                | 9.427  | 43   | 399403   | 332.444  | ug/l   | 97       |
| 60) Dibromochloromethane      | 9.518  | 129  | 69860    | 59.839   | ug/l   | 99       |
| 61) 1,2-Dibromoethane         | 9.604  | 107  | 63977    | 57.823   | ug/l   | 100      |
| 64) Tetrachloroethene         | 9.268  | 164  | 51544    | 54.768   | ug/l   | 99       |
| 65) Chlorobenzene             | 10.073 | 112  | 173180   | 54.029   | ug/l   | 99       |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 56795    | 55.050   | ug/l   | 99       |
| 67) Ethyl Benzene             | 10.189 | 91   | 306477   | 54.182   | ug/l   | 99       |
| 68) m/p-Xylenes               | 10.299 | 106  | 226392   | 108.501  | ug/l   | 99       |
| 69) o-Xylene                  | 10.640 | 106  | 109398   | 52.252   | ug/l   | 97       |
| 70) Styrene                   | 10.652 | 104  | 190870   | 56.585   | ug/l   | 99       |
| 71) Bromoform                 | 10.799 | 173  | 44049    | 57.210   | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.957 | 105  | 288563   | 50.109   | ug/l   | 99       |
| 74) N-amyl acetate            | 10.841 | 43   | 137060   | 52.596   | ug/l   | 97       |
| 75) 1,1,2,2-Tetrachloroethane | 11.207 | 83   | 101793   | 51.440   | ug/l   | 99       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 83163m   | 52.446   | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 67307    | 51.553   | ug/l   | 97       |
| 78) n-propylbenzene           | 11.299 | 91   | 343093   | 51.617   | ug/l   | 99       |
| 79) 2-Chlorotoluene           | 11.360 | 91   | 202917   | 49.672   | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 236833   | 50.679   | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 28263    | 45.849   | ug/l   | 91       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 230524   | 51.006   | ug/l   | 99       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 241761   | 51.139   | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 240466   | 52.135   | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 303826   | 51.899   | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 250075   | 53.120   | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 123323   | 51.365   | ug/l   | 100      |
| 88) 1,4-Dichlorobenzene       | 12.036 | 146  | 125500   | 51.699   | ug/l   | 99       |
| 89) n-Butylbenzene            | 12.329 | 91   | 235160   | 56.462   | ug/l   | 99       |
| 90) Hexachloroethane          | 12.536 | 117  | 44277    | 50.229   | ug/l   | 98       |
| 91) 1,2-Dichlorobenzene       | 12.329 | 146  | 123702   | 52.424   | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75   | 20415    | 56.526   | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 77977    | 54.612   | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 29695    | 52.388   | ug/l   | 99       |
| 95) Naphthalene               | 13.774 | 128  | 287168   | 55.637   | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.957 | 180  | 78904    | 54.842   | ug/l   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX021425\  
Data File : VX044973.D  
Acq On : 14 Feb 2025 19:43  
Operator : JC/MD  
Sample : Q1363-06MSD  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 27 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW-33D-021225MSD

Manual Integrations  
**APPROVED**

Reviewed By :John Carlone 02/18/2025  
Supervised By :Mahesh Dadoda 02/19/2025

Quant Time: Feb 14 22:20:56 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
Quant Title : SW846 8260  
QLast Update : Tue Feb 11 03:41:08 2025  
Response via : Initial Calibration

| Compound                                                             | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------------------------------------------------|------|------|----------|------|-------|----------|
| -----                                                                |      |      |          |      |       |          |
| (#)=qualifier out of range (m)=manual integration (+)=signals summed |      |      |          |      |       |          |

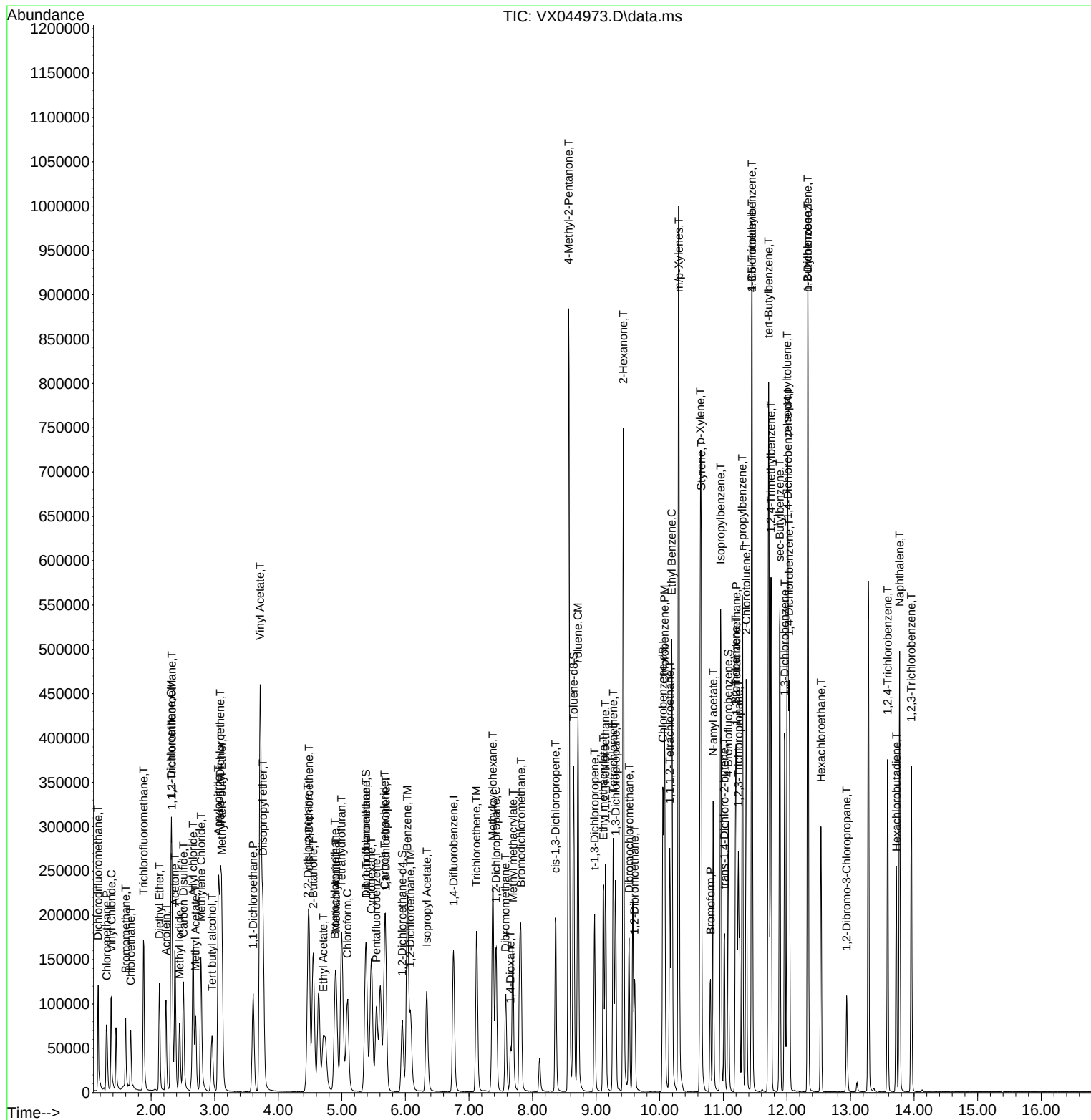
```
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX021425\  
Data File : VX044973.D  
Acq On    : 14 Feb 2025   19:43  
Operator  : JC/MD  
Sample    : Q1363-06MSD  
Misc      : 5.0mL/MSVOA_X/WATER  
ALS Vial  : 27   Sample Multiplier: 1
```

**Instrument :**  
MSVOA\_X  
**ClientSampleId :**  
MW-33D-021225MSD

## Manual Integrations APPROVED

Reviewed By :John Carlone 02/18/2025  
Supervised By :Mahesh Dadoda 02/19/2025

Quant Time: Feb 14 22:20:56 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X021025W.M  
Quant Title : SW846 8260  
QLast Update : Tue Feb 11 03:41:08 2025  
Response via : Initial Calibration



## Manual Integration Report

|           |          |            |         |
|-----------|----------|------------|---------|
| Sequence: | VX021025 | Instrument | MSVOA_x |
|-----------|----------|------------|---------|

| Sample ID  | File ID    | Parameter               | Review By | Review On            | Supervised By | Supervised On         | Reason                      |
|------------|------------|-------------------------|-----------|----------------------|---------------|-----------------------|-----------------------------|
| VSTDIC001  | VX044868.D | 1,2,3-Trichloropropane  | JOHN      | 2/11/2025 9:40:53 AM | MMDadoda      | 2/11/2025 10:09:14 AM | Peak Integrated by Software |
| VSTDIC001  | VX044868.D | 1,4-Dichlorobenzene     | JOHN      | 2/11/2025 9:40:53 AM | MMDadoda      | 2/11/2025 10:09:14 AM | Peak Integrated by Software |
| VSTDIC001  | VX044868.D | Dichlorodifluoromethane | JOHN      | 2/11/2025 9:40:53 AM | MMDadoda      | 2/11/2025 10:09:14 AM | Peak Integrated by Software |
| VSTDIC001  | VX044868.D | Ethyl Acetate           | JOHN      | 2/11/2025 9:40:53 AM | MMDadoda      | 2/11/2025 10:09:14 AM | Peak Integrated by Software |
| VSTDIC001  | VX044868.D | Methacrylonitrile       | JOHN      | 2/11/2025 9:40:53 AM | MMDadoda      | 2/11/2025 10:09:14 AM | Peak Integrated by Software |
| VSTDIC005  | VX044869.D | 1,2,3-Trichloropropane  | JOHN      | 2/11/2025 9:40:57 AM | MMDadoda      | 2/11/2025 10:09:18 AM | Peak Integrated by Software |
| VSTDIC005  | VX044869.D | Chloroethane            | JOHN      | 2/11/2025 9:40:57 AM | MMDadoda      | 2/11/2025 10:09:18 AM | Peak Integrated by Software |
| VSTDIC020  | VX044870.D | 1,2,3-Trichloropropane  | JOHN      | 2/11/2025 9:41:03 AM | MMDadoda      | 2/11/2025 10:09:33 AM | Peak Integrated by Software |
| VSTDIC050  | VX044871.D | 1,2,3-Trichloropropane  | JOHN      | 2/11/2025 9:41:07 AM | MMDadoda      | 2/11/2025 10:09:36 AM | Peak Integrated by Software |
| VSTDIC100  | VX044872.D | 1,2,3-Trichloropropane  | JOHN      | 2/11/2025 9:41:11 AM | MMDadoda      | 2/11/2025 10:09:40 AM | Peak Integrated by Software |
| VSTDIC150  | VX044873.D | 1,2,3-Trichloropropane  | JOHN      | 2/11/2025 9:41:16 AM | MMDadoda      | 2/11/2025 10:09:49 AM | Peak Integrated by Software |
| VSTDICV050 | VX044875.D | 1,2,3-Trichloropropane  | JOHN      | 2/11/2025 9:41:20 AM | MMDadoda      | 2/11/2025 10:09:53 AM | Peak Integrated by Software |
| VSTDIC050  | VX044891.D | 1,2,3-Trichloropropane  | JOHN      | 2/11/2025 9:41:46 AM | MMDadoda      | 2/11/2025 10:10:13 AM | Peak Integrated by Software |



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

## Manual Integration Report

Sequence:

VX021025

Instrument

MSVOA\_x

Sample ID

File ID

Parameter

Review By

Review On

Supervised  
By

Supervised On

Reason

## Manual Integration Report

Sequence:

VX021425

Instrument

MSVOA\_x

| Sample ID   | File ID    | Parameter              | Review By | Review On            | Supervised By | Supervised On         | Reason                      |
|-------------|------------|------------------------|-----------|----------------------|---------------|-----------------------|-----------------------------|
| VSTDCCC050  | VX044948.D | 1,2,3-Trichloropropane | JOHN      | 2/18/2025 9:49:23 AM | MMDadoda      | 2/19/2025 12:43:52 PM | Peak Integrated by Software |
| VX0214WBS01 | VX044951.D | 1,2,3-Trichloropropane | JOHN      | 2/18/2025 9:49:27 AM | MMDadoda      | 2/19/2025 12:43:55 PM | Peak Integrated by Software |
| Q1363-05MS  | VX044972.D | 1,2,3-Trichloropropane | JOHN      | 2/18/2025 9:50:07 AM | MMDadoda      | 2/19/2025 12:44:26 PM | Peak Integrated by Software |
| Q1363-06MSD | VX044973.D | 1,2,3-Trichloropropane | JOHN      | 2/18/2025 9:50:11 AM | MMDadoda      | 2/19/2025 12:44:30 PM | Peak Integrated by Software |
| VSTDCCC050  | VX044974.D | 1,2,3-Trichloropropane | JOHN      | 2/18/2025 9:50:16 AM | MMDadoda      | 2/19/2025 12:44:34 PM | Peak Integrated by Software |
| VSTDCCC050  | VX044974.D | Chloroethane           | JOHN      | 2/18/2025 9:50:16 AM | MMDadoda      | 2/19/2025 12:44:34 PM | Peak Integrated by Software |

## Manual Integration Report

Sequence:

VX021825

Instrument

MSVOA\_x

| Sample ID   | File ID    | Parameter              | Review By | Review On            | Supervised By | Supervised On         | Reason                      |
|-------------|------------|------------------------|-----------|----------------------|---------------|-----------------------|-----------------------------|
| VSTDCCC050  | VX044976.D | 1,2,3-Trichloropropane | JOHN      | 2/19/2025 9:44:59 AM | MMDadoda      | 2/19/2025 12:45:24 PM | Peak Integrated by Software |
| VSTDCCC050  | VX044976.D | Chloroethane           | JOHN      | 2/19/2025 9:44:59 AM | MMDadoda      | 2/19/2025 12:45:24 PM | Peak Integrated by Software |
| VX0218WBS01 | VX044979.D | 1,2,3-Trichloropropane | JOHN      | 2/19/2025 9:45:04 AM | MMDadoda      | 2/19/2025 12:45:28 PM | Peak Integrated by Software |
| VSTDCCC050  | VX044994.D | 1,2,3-Trichloropropane | JOHN      | 2/19/2025 9:45:38 AM | MMDadoda      | 2/19/2025 12:45:46 PM | Peak Integrated by Software |

Instrument ID: **MSVOA\_X**

**Daily Analysis Runlog For Sequence/QC Batch ID # VX021025**

|                          |                                                       |                   |                                   |
|--------------------------|-------------------------------------------------------|-------------------|-----------------------------------|
| Review By                | John Carlone                                          | Review On         | 2/11/2025 9:43:42 AM              |
| Supervise By             | Mahesh Dadoda                                         | Supervise On      | 2/11/2025 2:05:25 PM              |
| SubDirectory             | VX021025                                              | HP Acquire Method | HP Processing Method 82X021025W.M |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                      |                   |                                   |
| Tune/Reschk              | VP132955                                              |                   |                                   |
| Initial Calibration Stds | VP132960,VP132961,VP132962,VP132963,VP132964,VP132965 |                   |                                   |
| CCC                      | VP132956                                              |                   |                                   |
| Internal Standard/PEM    |                                                       |                   |                                   |
| ICV/I.BLK                | VP132966                                              |                   |                                   |
| Surrogate Standard       |                                                       |                   |                                   |
| MS/MSD Standard          |                                                       |                   |                                   |
| LCS Standard             |                                                       |                   |                                   |

| Sr# | SampleId     | Data File Name | Date-Time         | Operator | Status |
|-----|--------------|----------------|-------------------|----------|--------|
| 1   | BFB          | VX044867.D     | 10 Feb 2025 09:35 | JC/MD    | Ok     |
| 2   | VSTDIC001    | VX044868.D     | 10 Feb 2025 10:25 | JC/MD    | Ok,M   |
| 3   | VSTDIC005    | VX044869.D     | 10 Feb 2025 10:48 | JC/MD    | Ok,M   |
| 4   | VSTDIC020    | VX044870.D     | 10 Feb 2025 11:11 | JC/MD    | Ok,M   |
| 5   | VSTDIC050    | VX044871.D     | 10 Feb 2025 11:34 | JC/MD    | Ok,M   |
| 6   | VSTDIC100    | VX044872.D     | 10 Feb 2025 12:05 | JC/MD    | Ok,M   |
| 7   | VSTDIC150    | VX044873.D     | 10 Feb 2025 12:28 | JC/MD    | Ok,M   |
| 8   | IBLK         | VX044874.D     | 10 Feb 2025 12:51 | JC/MD    | Ok     |
| 9   | VSTDICV050   | VX044875.D     | 10 Feb 2025 13:15 | JC/MD    | Ok,M   |
| 10  | VX0210MBL01  | VX044876.D     | 10 Feb 2025 13:43 | JC/MD    | Ok     |
| 11  | VX0210WBL01  | VX044877.D     | 10 Feb 2025 14:06 | JC/MD    | Ok     |
| 12  | VX0210WBS01  | VX044878.D     | 10 Feb 2025 14:29 | JC/MD    | Ok,M   |
| 13  | VX0210WBSD01 | VX044879.D     | 10 Feb 2025 14:55 | JC/MD    | Ok,M   |
| 14  | Q1250-02     | VX044880.D     | 10 Feb 2025 15:18 | JC/MD    | Ok     |
| 15  | Q1250-01     | VX044881.D     | 10 Feb 2025 15:41 | JC/MD    | Ok     |
| 16  | Q1250-03     | VX044882.D     | 10 Feb 2025 16:04 | JC/MD    | Ok     |
| 17  | Q1250-04     | VX044883.D     | 10 Feb 2025 16:27 | JC/MD    | Ok     |
| 18  | Q1250-05     | VX044884.D     | 10 Feb 2025 16:51 | JC/MD    | Ok     |
| 19  | Q1250-10     | VX044885.D     | 10 Feb 2025 17:14 | JC/MD    | Ok     |
| 20  | Q1250-11     | VX044886.D     | 10 Feb 2025 17:37 | JC/MD    | Ok     |
| 21  | Q1250-12     | VX044887.D     | 10 Feb 2025 18:00 | JC/MD    | Ok     |

Instrument ID: **MSVOA\_X**

**Daily Analysis Runlog For Sequence/QC Batch ID # VX021025**

| Review By                | John Carlone                                          | Review On         | 2/11/2025 9:43:42 AM              |
|--------------------------|-------------------------------------------------------|-------------------|-----------------------------------|
| Supervise By             | Maresh Dadoda                                         | Supervise On      | 2/11/2025 2:05:25 PM              |
| SubDirectory             | VX021025                                              | HP Acquire Method | HP Processing Method 82X021025W.M |
| STD. NAME                | STD REF.#                                             |                   |                                   |
| Tune/Reschk              | VP132955                                              |                   |                                   |
| Initial Calibration Stds | VP132960,VP132961,VP132962,VP132963,VP132964,VP132965 |                   |                                   |
| CCC                      | VP132956                                              |                   |                                   |
| Internal Standard/PEM    |                                                       |                   |                                   |
| ICV/I.BLK                | VP132966                                              |                   |                                   |
| Surrogate Standard       |                                                       |                   |                                   |
| MS/MSD Standard          |                                                       |                   |                                   |
| LCS Standard             |                                                       |                   |                                   |

|    |             |            |                   |       |      |
|----|-------------|------------|-------------------|-------|------|
| 22 | Q1250-06    | VX044888.D | 10 Feb 2025 18:23 | JC/MD | Ok   |
| 23 | Q1250-07MS  | VX044889.D | 10 Feb 2025 18:46 | JC/MD | Ok,M |
| 24 | Q1250-08MSD | VX044890.D | 10 Feb 2025 19:09 | JC/MD | Ok,M |
| 25 | VSTDCCC050  | VX044891.D | 10 Feb 2025 19:32 | JC/MD | Ok,M |

M : Manual Integration

Instrument ID: **MSVOA\_X**

**Daily Analysis Runlog For Sequence/QC Batch ID # VX021425**

|                                                                                                    |                                                       |                   |                                   |
|----------------------------------------------------------------------------------------------------|-------------------------------------------------------|-------------------|-----------------------------------|
| Review By                                                                                          | John Carlone                                          | Review On         | 2/18/2025 10:12:29 AM             |
| Supervise By                                                                                       |                                                       | Supervise On      |                                   |
| SubDirectory                                                                                       | VX021425                                              | HP Acquire Method | HP Processing Method 82X021025W.M |
| <b>STD. NAME</b>                                                                                   | <b>STD REF.#</b>                                      |                   |                                   |
| Tune/Reschk<br>Initial Calibration Stds                                                            | VP133040                                              |                   |                                   |
| CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | VP133041,VP133042,VP133049,VP133050,VP133051,VP133052 |                   |                                   |

| Sr# | SampleId         | Data File Name | Date-Time         | Operator | Status |
|-----|------------------|----------------|-------------------|----------|--------|
| 1   | BFB              | VX044947.D     | 14 Feb 2025 09:35 | JC/MD    | Ok     |
| 2   | VSTDCCC050       | VX044948.D     | 14 Feb 2025 10:04 | JC/MD    | Ok,M   |
| 3   | VX0214MBL01      | VX044949.D     | 14 Feb 2025 10:28 | JC/MD    | Ok     |
| 4   | VX0214WBL01      | VX044950.D     | 14 Feb 2025 10:51 | JC/MD    | Ok     |
| 5   | VX0214WBS01      | VX044951.D     | 14 Feb 2025 11:14 | JC/MD    | Ok,M   |
| 6   | VX0214WBSD01     | VX044952.D     | 14 Feb 2025 11:40 | JC/MD    | Ok,M   |
| 7   | IBLK             | VX044953.D     | 14 Feb 2025 12:02 | JC/MD    | Ok     |
| 8   | Q1347-01         | VX044954.D     | 14 Feb 2025 12:26 | JC/MD    | Not Ok |
| 9   | Q1168-09 0.2PPB  | VX044955.D     | 14 Feb 2025 12:48 | JC/MD    | Ok,M   |
| 10  | Q1168-09 0.5PPB  | VX044956.D     | 14 Feb 2025 13:11 | JC/MD    | Ok,M   |
| 11  | Q1168-09 0.75PPB | VX044957.D     | 14 Feb 2025 13:34 | JC/MD    | Ok,M   |
| 12  | Q1168-09 2.5PPB  | VX044958.D     | 14 Feb 2025 13:57 | JC/MD    | Ok,M   |
| 13  | PB166701TB       | VX044959.D     | 14 Feb 2025 14:20 | JC/MD    | Ok     |
| 14  | Q1352-02         | VX044960.D     | 14 Feb 2025 14:43 | JC/MD    | Ok,M   |
| 15  | Q1353-02         | VX044961.D     | 14 Feb 2025 15:06 | JC/MD    | Ok     |
| 16  | Q1356-02         | VX044963.D     | 14 Feb 2025 15:52 | JC/MD    | Ok     |
| 17  | Q1363-01         | VX044964.D     | 14 Feb 2025 16:15 | JC/MD    | Ok     |
| 18  | Q1363-02         | VX044965.D     | 14 Feb 2025 16:38 | JC/MD    | ReRun  |
| 19  | Q1363-03         | VX044966.D     | 14 Feb 2025 17:01 | JC/MD    | Ok     |
| 20  | Q1363-07         | VX044967.D     | 14 Feb 2025 17:25 | JC/MD    | Ok     |
| 21  | Q1363-08         | VX044968.D     | 14 Feb 2025 17:48 | JC/MD    | Ok     |

Instrument ID: **MSVOA\_X**

**Daily Analysis Runlog For Sequence/QCBatch ID # VX021425**

| Review By                                                                                          | John Carlone                                          | Review On         | 2/18/2025 10:12:29 AM             |
|----------------------------------------------------------------------------------------------------|-------------------------------------------------------|-------------------|-----------------------------------|
| Supervise By                                                                                       |                                                       | Supervise On      |                                   |
| SubDirectory                                                                                       | VX021425                                              | HP Acquire Method | HP Processing Method 82X021025W.M |
| STD. NAME                                                                                          | STD REF.#                                             |                   |                                   |
| Tune/Reschk<br>Initial Calibration Stds                                                            | VP133040                                              |                   |                                   |
| CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | VP133041,VP133042,VP133049,VP133050,VP133051,VP133052 |                   |                                   |

|    |             |            |                   |       |      |
|----|-------------|------------|-------------------|-------|------|
| 22 | Q1363-09    | VX044969.D | 14 Feb 2025 18:11 | JC/MD | Ok   |
| 23 | Q1363-10    | VX044970.D | 14 Feb 2025 18:34 | JC/MD | Ok   |
| 24 | Q1363-04    | VX044971.D | 14 Feb 2025 18:57 | JC/MD | Ok   |
| 25 | Q1363-05MS  | VX044972.D | 14 Feb 2025 19:20 | JC/MD | Ok,M |
| 26 | Q1363-06MSD | VX044973.D | 14 Feb 2025 19:43 | JC/MD | Ok,M |
| 27 | VSTDCCC050  | VX044974.D | 14 Feb 2025 20:06 | JC/MD | Ok,M |

M : Manual Integration

Instrument ID: **MSVOA\_X**

**Daily Analysis Runlog For Sequence/QCBatch ID # VX021825**

|                                                                                                    |                   |                   |                                   |
|----------------------------------------------------------------------------------------------------|-------------------|-------------------|-----------------------------------|
| Review By                                                                                          | John Carlone      | Review On         | 2/19/2025 9:48:22 AM              |
| Supervise By                                                                                       | Maresh Dadoda     | Supervise On      | 2/19/2025 1:34:48 PM              |
| SubDirectory                                                                                       | VX021825          | HP Acquire Method | HP Processing Method 82X021025W.M |
| <b>STD. NAME</b>                                                                                   | <b>STD REF.#</b>  |                   |                                   |
| Tune/Reschk<br>Initial Calibration Stds                                                            | VP133065          |                   |                                   |
| CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | VP133066,VP133067 |                   |                                   |

| Sr# | SampleId       | Data File Name | Date-Time         | Operator | Status   |
|-----|----------------|----------------|-------------------|----------|----------|
| 1   | BFB            | VX044975.D     | 18 Feb 2025 09:46 | JC/MD    | Ok       |
| 2   | VSTDCCC050     | VX044976.D     | 18 Feb 2025 10:45 | JC/MD    | Ok,M     |
| 3   | VX0218MBL01    | VX044977.D     | 18 Feb 2025 11:08 | JC/MD    | Ok       |
| 4   | VX0218WBL01    | VX044978.D     | 18 Feb 2025 11:31 | JC/MD    | Ok       |
| 5   | VX0218WBS01    | VX044979.D     | 18 Feb 2025 11:54 | JC/MD    | Ok,M     |
| 6   | VX0218WBSD01   | VX044980.D     | 18 Feb 2025 12:20 | JC/MD    | Ok,M     |
| 7   | IBLK           | VX044981.D     | 18 Feb 2025 12:42 | JC/MD    | Ok       |
| 8   | Q1363-02       | VX044982.D     | 18 Feb 2025 13:05 | JC/MD    | Ok       |
| 9   | Q1370-01       | VX044983.D     | 18 Feb 2025 13:28 | JC/MD    | Ok       |
| 10  | Q1370-02       | VX044984.D     | 18 Feb 2025 13:51 | JC/MD    | Ok       |
| 11  | Q1370-03       | VX044985.D     | 18 Feb 2025 14:14 | JC/MD    | Ok       |
| 12  | Q1370-04       | VX044986.D     | 18 Feb 2025 14:37 | JC/MD    | Ok       |
| 13  | PB166736TB     | VX044987.D     | 18 Feb 2025 15:00 | JC/MD    | Ok,M     |
| 14  | PB166736ZHE#01 | VX044988.D     | 18 Feb 2025 15:23 | JC/MD    | Ok       |
| 15  | PB166736ZHE#02 | VX044989.D     | 18 Feb 2025 15:46 | JC/MD    | Ok,M     |
| 16  | Q1373-01       | VX044990.D     | 18 Feb 2025 16:08 | JC/MD    | Ok,M     |
| 17  | Q1373-02       | VX044991.D     | 18 Feb 2025 16:31 | JC/MD    | Ok       |
| 18  | Q1376-01       | VX044992.D     | 18 Feb 2025 16:54 | JC/MD    | Dilution |
| 19  | Q1376-02       | VX044993.D     | 18 Feb 2025 17:17 | JC/MD    | Ok       |
| 20  | VSTDCCC050     | VX044994.D     | 18 Feb 2025 17:40 | JC/MD    | Ok,M     |

M : Manual Integration

Instrument ID: MSVOA\_X

**Daily Analysis Runlog For Sequence/QC Batch ID # VX021025**

|              |               |                   |                                   |
|--------------|---------------|-------------------|-----------------------------------|
| Review By    | John Carlone  | Review On         | 2/11/2025 9:43:42 AM              |
| Supervise By | Maresh Dadoda | Supervise On      | 2/11/2025 2:05:25 PM              |
| SubDirectory | VX021025      | HP Acquire Method | HP Processing Method 82X021025W.M |

| STD. NAME                | STD REF.#                                             |
|--------------------------|-------------------------------------------------------|
| Tune/Reschk              | VP132955                                              |
| Initial Calibration Stds | VP132960,VP132961,VP132962,VP132963,VP132964,VP132965 |
| CCC                      | VP132956                                              |
| Internal Standard/PEM    |                                                       |
| ICV/I.BLK                | VP132966                                              |
| Surrogate Standard       |                                                       |
| MS/MSD Standard          |                                                       |
| LCS Standard             |                                                       |

| Sr# | SampleID     | ClientID            | Data File Name | Date-Time         | Comment        | Operator | Status |
|-----|--------------|---------------------|----------------|-------------------|----------------|----------|--------|
| 1   | BFB          | BFB                 | VX044867.D     | 10 Feb 2025 09:35 |                | JC/MD    | Ok     |
| 2   | VSTDICC001   | VSTDICC001          | VX044868.D     | 10 Feb 2025 10:25 |                | JC/MD    | Ok,M   |
| 3   | VSTDICC005   | VSTDICC005          | VX044869.D     | 10 Feb 2025 10:48 |                | JC/MD    | Ok,M   |
| 4   | VSTDICC020   | VSTDICC020          | VX044870.D     | 10 Feb 2025 11:11 |                | JC/MD    | Ok,M   |
| 5   | VSTDICCC050  | VSTDICCC050         | VX044871.D     | 10 Feb 2025 11:34 |                | JC/MD    | Ok,M   |
| 6   | VSTDICC100   | VSTDICC100          | VX044872.D     | 10 Feb 2025 12:05 |                | JC/MD    | Ok,M   |
| 7   | VSTDICC150   | VSTDICC150          | VX044873.D     | 10 Feb 2025 12:28 |                | JC/MD    | Ok,M   |
| 8   | IBLK         | IBLK                | VX044874.D     | 10 Feb 2025 12:51 |                | JC/MD    | Ok     |
| 9   | VSTDICV050   | ICVVX021025         | VX044875.D     | 10 Feb 2025 13:15 |                | JC/MD    | Ok,M   |
| 10  | VX0210MBL01  | VX0210MBL01         | VX044876.D     | 10 Feb 2025 13:43 |                | JC/MD    | Ok     |
| 11  | VX0210WBL01  | VX0210WBL01         | VX044877.D     | 10 Feb 2025 14:06 |                | JC/MD    | Ok     |
| 12  | VX0210WBS01  | VX0210WBS01         | VX044878.D     | 10 Feb 2025 14:29 |                | JC/MD    | Ok,M   |
| 13  | VX0210WBSD01 | VX0210WBSD01        | VX044879.D     | 10 Feb 2025 14:55 |                | JC/MD    | Ok,M   |
| 14  | Q1250-02     | BP-VPB-192-GW-420-4 | VX044880.D     | 10 Feb 2025 15:18 | vial B pH<2    | JC/MD    | Ok     |
| 15  | Q1250-01     | BP-VPB-192-TB-20250 | VX044881.D     | 10 Feb 2025 15:41 | vial B pH<2 TB | JC/MD    | Ok     |
| 16  | Q1250-03     | BP-VPB-192-GW-300-3 | VX044882.D     | 10 Feb 2025 16:04 | vial B pH<2    | JC/MD    | Ok     |
| 17  | Q1250-04     | BP-VPB-192-GW-320-3 | VX044883.D     | 10 Feb 2025 16:27 | vial B pH<2    | JC/MD    | Ok     |
| 18  | Q1250-05     | BP-VPB-192-GW-340-3 | VX044884.D     | 10 Feb 2025 16:51 | vial B pH<2    | JC/MD    | Ok     |

Instrument ID: MSVOA\_X

**Daily Analysis Runlog For Sequence/QC Batch ID # VX021025**

| Review By                | John Carlone                                          | Review On         | 2/11/2025 9:43:42 AM              |
|--------------------------|-------------------------------------------------------|-------------------|-----------------------------------|
| Supervise By             | Maresh Dadoda                                         | Supervise On      | 2/11/2025 2:05:25 PM              |
| SubDirectory             | VX021025                                              | HP Acquire Method | HP Processing Method 82X021025W.M |
| STD. NAME                | STD REF.#                                             |                   |                                   |
| Tune/Reschk              | VP132955                                              |                   |                                   |
| Initial Calibration Stds | VP132960,VP132961,VP132962,VP132963,VP132964,VP132965 |                   |                                   |
| CCC                      | VP132956                                              |                   |                                   |
| Internal Standard/PEM    |                                                       |                   |                                   |
| ICV/I.BLK                | VP132966                                              |                   |                                   |
| Surrogate Standard       |                                                       |                   |                                   |
| MS/MSD Standard          |                                                       |                   |                                   |
| LCS Standard             |                                                       |                   |                                   |

|    |             |                     |            |                   |             |       |      |
|----|-------------|---------------------|------------|-------------------|-------------|-------|------|
| 19 | Q1250-10    | BP-VPB-192-GW-380-3 | VX044885.D | 10 Feb 2025 17:14 | vial B pH<2 | JC/MD | Ok   |
| 20 | Q1250-11    | BP-VPB-192-GW-400-4 | VX044886.D | 10 Feb 2025 17:37 | vial B pH<2 | JC/MD | Ok   |
| 21 | Q1250-12    | BP-VPB-192-GW-440-4 | VX044887.D | 10 Feb 2025 18:00 | vial B pH<2 | JC/MD | Ok   |
| 22 | Q1250-06    | BP-VPB-192-GW-360-3 | VX044888.D | 10 Feb 2025 18:23 | vial B pH<2 | JC/MD | Ok   |
| 23 | Q1250-07MS  | BP-VPB-192-GW-360-3 | VX044889.D | 10 Feb 2025 18:46 | vial B pH<2 | JC/MD | Ok,M |
| 24 | Q1250-08MSD | BP-VPB-192-GW-360-3 | VX044890.D | 10 Feb 2025 19:09 | vial B pH<2 | JC/MD | Ok,M |
| 25 | VSTDCCC050  | VSTDCCC050EC        | VX044891.D | 10 Feb 2025 19:32 |             | JC/MD | Ok,M |

M : Manual Integration

Instrument ID: MSVOA\_X

**Daily Analysis Runlog For Sequence/QC Batch ID # VX021425**

|                                                                                                    |                                                       |                   |                                   |
|----------------------------------------------------------------------------------------------------|-------------------------------------------------------|-------------------|-----------------------------------|
| Review By                                                                                          | John Carlone                                          | Review On         | 2/18/2025 10:12:29 AM             |
| Supervise By                                                                                       |                                                       | Supervise On      |                                   |
| SubDirectory                                                                                       | VX021425                                              | HP Acquire Method | HP Processing Method 82X021025W.M |
| <b>STD. NAME</b>                                                                                   | <b>STD REF.#</b>                                      |                   |                                   |
| Tune/Reschk<br>Initial Calibration Stds                                                            | VP133040                                              |                   |                                   |
| CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | VP133041,VP133042,VP133049,VP133050,VP133051,VP133052 |                   |                                   |

| Sr# | SampleID         | ClientID            | Data File Name | Date-Time         | Comment                        | Operator | Status |
|-----|------------------|---------------------|----------------|-------------------|--------------------------------|----------|--------|
| 1   | BFB              | BFB                 | VX044947.D     | 14 Feb 2025 09:35 |                                | JC/MD    | Ok     |
| 2   | VSTDCCC050       | VSTDCCC050          | VX044948.D     | 14 Feb 2025 10:04 | V13516                         | JC/MD    | Ok,M   |
| 3   | VX0214MBL01      | VX0214MBL01         | VX044949.D     | 14 Feb 2025 10:28 |                                | JC/MD    | Ok     |
| 4   | VX0214WBL01      | VX0214WBL01         | VX044950.D     | 14 Feb 2025 10:51 |                                | JC/MD    | Ok     |
| 5   | VX0214WBS01      | VX0214WBS01         | VX044951.D     | 14 Feb 2025 11:14 |                                | JC/MD    | Ok,M   |
| 6   | VX0214WBSD01     | VX0214WBSD01        | VX044952.D     | 14 Feb 2025 11:40 |                                | JC/MD    | Ok,M   |
| 7   | IBLK             | IBLK                | VX044953.D     | 14 Feb 2025 12:02 |                                | JC/MD    | Ok     |
| 8   | Q1347-01         | BP-VPB-192-EB-20250 | VX044954.D     | 14 Feb 2025 12:26 |                                | JC/MD    | Not Ok |
| 9   | Q1168-09 0.2PPB  | MDL-WATER-03-QT1-2  | VX044955.D     | 14 Feb 2025 12:48 |                                | JC/MD    | Ok,M   |
| 10  | Q1168-09 0.5PPB  | MDL-WATER-03-QT1-2  | VX044956.D     | 14 Feb 2025 13:11 |                                | JC/MD    | Ok,M   |
| 11  | Q1168-09 0.75PPB | MDL-WATER-03-QT1-2  | VX044957.D     | 14 Feb 2025 13:34 |                                | JC/MD    | Ok,M   |
| 12  | Q1168-09 2.5PPB  | MDL-WATER-03-QT1-2  | VX044958.D     | 14 Feb 2025 13:57 |                                | JC/MD    | Ok,M   |
| 13  | PB166701TB       | PB166701TB          | VX044959.D     | 14 Feb 2025 14:20 |                                | JC/MD    | Ok     |
| 14  | Q1352-02         | TAP-IDW-SOIL-021025 | VX044960.D     | 14 Feb 2025 14:43 |                                | JC/MD    | Ok,M   |
| 15  | Q1353-02         | 346                 | VX044961.D     | 14 Feb 2025 15:06 | vial A pH#5.0                  | JC/MD    | Ok     |
| 16  | Q1356-02         | SOIL-PILE           | VX044963.D     | 14 Feb 2025 15:52 | vial A pH#5.0                  | JC/MD    | Ok     |
| 17  | Q1363-01         | MW-30D-021125       | VX044964.D     | 14 Feb 2025 16:15 | vial A pH<2                    | JC/MD    | Ok     |
| 18  | Q1363-02         | EB-01-021125        | VX044965.D     | 14 Feb 2025 16:38 | vial A pH<2 EB;Hit of comp.#16 | JC/MD    | ReRun  |

Instrument ID: MSVOA\_X

**Daily Analysis Runlog For Sequence/QC Batch ID # VX021425**

|                                                                                                    |                                                       |                   |                                   |
|----------------------------------------------------------------------------------------------------|-------------------------------------------------------|-------------------|-----------------------------------|
| Review By                                                                                          | John Carlone                                          | Review On         | 2/18/2025 10:12:29 AM             |
| Supervise By                                                                                       |                                                       | Supervise On      |                                   |
| SubDirectory                                                                                       | VX021425                                              | HP Acquire Method | HP Processing Method 82X021025W.M |
| <b>STD. NAME</b>                                                                                   | <b>STD REF.#</b>                                      |                   |                                   |
| Tune/Reschk<br>Initial Calibration Stds                                                            | VP133040                                              |                   |                                   |
| CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | VP133041,VP133042,VP133049,VP133050,VP133051,VP133052 |                   |                                   |

|    |             |                  |            |                   |                     |       |      |
|----|-------------|------------------|------------|-------------------|---------------------|-------|------|
| 19 | Q1363-03    | TB-01-021125     | VX044966.D | 14 Feb 2025 17:01 | vial A pH<2 TB      | JC/MD | Ok   |
| 20 | Q1363-07    | VFCC-2-021225    | VX044967.D | 14 Feb 2025 17:25 | vial A pH<2         | JC/MD | Ok   |
| 21 | Q1363-08    | VFCC-3-021225    | VX044968.D | 14 Feb 2025 17:48 | vial A pH<2         | JC/MD | Ok   |
| 22 | Q1363-09    | MW-33S-021225    | VX044969.D | 14 Feb 2025 18:11 | vial A pH<2         | JC/MD | Ok   |
| 23 | Q1363-10    | MW-33S-FD-021225 | VX044970.D | 14 Feb 2025 18:34 | vial A pH<2         | JC/MD | Ok   |
| 24 | Q1363-04    | MW-33D-021225    | VX044971.D | 14 Feb 2025 18:57 | vial A pH<2         | JC/MD | Ok   |
| 25 | Q1363-05MS  | MW-33D-021225MS  | VX044972.D | 14 Feb 2025 19:20 | vial A pH<2         | JC/MD | Ok,M |
| 26 | Q1363-06MSD | MW-33D-021225MSD | VX044973.D | 14 Feb 2025 19:43 | vial A pH<2         | JC/MD | Ok,M |
| 27 | VSTDCCC050  | VSTDCCC050EC     | VX044974.D | 14 Feb 2025 20:06 | Failed for comp.#06 | JC/MD | Ok,M |

M : Manual Integration

Instrument ID: MSVOA\_X

**Daily Analysis Runlog For Sequence/QC Batch ID # VX021825**

|              |               |                   |                                   |
|--------------|---------------|-------------------|-----------------------------------|
| Review By    | John Carlone  | Review On         | 2/19/2025 9:48:22 AM              |
| Supervise By | Maresh Dadoda | Supervise On      | 2/19/2025 1:34:48 PM              |
| SubDirectory | VX021825      | HP Acquire Method | HP Processing Method 82X021025W.M |

| STD. NAME                                                                                          | STD REF.#         |
|----------------------------------------------------------------------------------------------------|-------------------|
| Tune/Reschk<br>Initial Calibration Stds                                                            | VP133065          |
| CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | VP133066,VP133067 |

| Sr# | SampleID       | ClientID              | Data File Name | Date-Time         | Comment                      | Operator | Status |
|-----|----------------|-----------------------|----------------|-------------------|------------------------------|----------|--------|
| 1   | BFB            | BFB                   | VX044975.D     | 18 Feb 2025 09:46 |                              | JC/MD    | Ok     |
| 2   | VSTDCCC050     | VSTDCCC050            | VX044976.D     | 18 Feb 2025 10:45 | V13516                       | JC/MD    | Ok,M   |
| 3   | VX0218MBL01    | VX0218MBL01           | VX044977.D     | 18 Feb 2025 11:08 |                              | JC/MD    | Ok     |
| 4   | VX0218WBL01    | VX0218WBL01           | VX044978.D     | 18 Feb 2025 11:31 |                              | JC/MD    | Ok     |
| 5   | VX0218WBS01    | VX0218WBS01           | VX044979.D     | 18 Feb 2025 11:54 |                              | JC/MD    | Ok,M   |
| 6   | VX0218WBSD01   | VX0218WBSD01          | VX044980.D     | 18 Feb 2025 12:20 |                              | JC/MD    | Ok,M   |
| 7   | IBLK           | IBLK                  | VX044981.D     | 18 Feb 2025 12:42 |                              | JC/MD    | Ok     |
| 8   | Q1363-02       | EB-01-021125          | VX044982.D     | 18 Feb 2025 13:05 | vial B pH<2 EB               | JC/MD    | Ok     |
| 9   | Q1370-01       | Storage-Blank-SOIL-RE | VX044983.D     | 18 Feb 2025 13:28 | vial A pH<2                  | JC/MD    | Ok     |
| 10  | Q1370-02       | Storage-Blank-WATER-  | VX044984.D     | 18 Feb 2025 13:51 | vial A pH<2                  | JC/MD    | Ok     |
| 11  | Q1370-03       | Storage-Blank-WATER-  | VX044985.D     | 18 Feb 2025 14:14 | vial A pH<2                  | JC/MD    | Ok     |
| 12  | Q1370-04       | Storage-Blank-SAMPLE  | VX044986.D     | 18 Feb 2025 14:37 | vial A pH<2                  | JC/MD    | Ok     |
| 13  | PB166736TB     | PB166736TB            | VX044987.D     | 18 Feb 2025 15:00 |                              | JC/MD    | Ok,M   |
| 14  | PB166736ZHE#01 | PB166736ZHE#01        | VX044988.D     | 18 Feb 2025 15:23 |                              | JC/MD    | Ok     |
| 15  | PB166736ZHE#02 | PB166736ZHE#02        | VX044989.D     | 18 Feb 2025 15:46 |                              | JC/MD    | Ok,M   |
| 16  | Q1373-01       | VB27161               | VX044990.D     | 18 Feb 2025 16:08 | vial A pH#5.0 Surrogate Fail | JC/MD    | Ok,M   |
| 17  | Q1373-02       | VDR25992              | VX044991.D     | 18 Feb 2025 16:31 | vial A pH#5.0                | JC/MD    | Ok     |
|     |                |                       |                |                   |                              |          |        |

Instrument ID: MSVOA\_X

**Daily Analysis Runlog For Sequence/QC Batch ID # VX021825**

|              |               |                   |                                   |
|--------------|---------------|-------------------|-----------------------------------|
| Review By    | John Carlone  | Review On         | 2/19/2025 9:48:22 AM              |
| Supervise By | Maresh Dadoda | Supervise On      | 2/19/2025 1:34:48 PM              |
| SubDirectory | VX021825      | HP Acquire Method | HP Processing Method 82X021025W.M |

| STD. NAME                                                                                          | STD REF.#         |
|----------------------------------------------------------------------------------------------------|-------------------|
| Tune/Reschk<br>Initial Calibration Stds                                                            | VP133065          |
| CCC<br>Internal Standard/PEM<br>ICV/I.BLK<br>Surrogate Standard<br>MS/MSD Standard<br>LCS Standard | VP133066,VP133067 |

|    |            |              |            |                   |                                                     |       |          |
|----|------------|--------------|------------|-------------------|-----------------------------------------------------|-------|----------|
| 18 | Q1376-01   | MW32         | VX044992.D | 18 Feb 2025 16:54 | vial A pH<2 BSD failed high for comp. #51; Need 10X | JC/MD | Dilution |
| 19 | Q1376-02   | MW33         | VX044993.D | 18 Feb 2025 17:17 | vial A pH<2                                         | JC/MD | Ok       |
| 20 | VSTDCCC050 | VSTDCCC050EC | VX044994.D | 18 Feb 2025 17:40 |                                                     | JC/MD | Ok,M     |

M : Manual Integration



# SHIPPING DOCUMENTS

# CHEMTECH

## CHAIN OF CUSTODY RECORD

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

CHEMTECH PROJECT NO. Q1363/64  
QUOTE NO. Bottle ID: 30411032  
COC Number 2041699-01

### CLIENT INFORMATION

#### REPORT TO BE SENT TO:

COMPANY: TechLaw Consultants, Inc.  
ADDRESS: 14840 Conference Center Drive  
CITY: Chantilly STATE: VA ZIP: 20151  
ATTENTION: Jordan Hedvat  
PHONE: 908-789-8900 FAX: -

### CLIENT PROJECT INFORMATION

PROJECT NAME: REAC Commodore  
PROJECT NO.: F0066 LOCATION: Auchen, PA  
PROJECT MANAGER: S. Dziekan  
e-mail: Jonathan.Dziekan@techlawconsultants.com  
PHONE: 571-538-2270 FAX: -

### CLIENT BILLING INFORMATION

BILL TO: Sed Contract PO#:   
ADDRESS:   
CITY: STATE: ZIP:   
ATTENTION: PHONE:   
ANALYSIS

### DATA TURNAROUND INFORMATION

FAX (RUSH) DAYS\*   
HARDCOPY (DATA PACKAGE): DAYS\*   
EDD: See Contract DAYS\*   
\*TO BE APPROVED BY CHEMTECH   
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

### DATA DELIVERABLE INFORMATION

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

| CHEMTECH<br>SAMPLE<br>ID | PROJECT<br>SAMPLE IDENTIFICATION | SAMPLE<br>MATRIX | SAMPLE<br>TYPE |      | SAMPLE<br>COLLECTION |      | # OF BOTTLES | PRESERVATIVES |   |   |   |   |   |   |   |   | COMMENTS |        |
|--------------------------|----------------------------------|------------------|----------------|------|----------------------|------|--------------|---------------|---|---|---|---|---|---|---|---|----------|--------|
|                          |                                  |                  | COMP           | GRAB | DATE                 | TIME |              | 1             | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | A-HCl    | D-NaOH |
| 1.                       | MW-30D-021125                    | GW               |                | /    | 2/11/25              | 1430 | 3            | 2             | 1 |   |   |   |   |   |   |   |          |        |
| 2.                       | EB-01-021125                     | Blank            |                | /    | 2/11/25              | 1300 | 3            | 2             | 1 |   |   |   |   |   |   |   |          |        |
| 3.                       | TB-01-021125                     | Blank            | -              | -    | 2/11/25              | 1415 | 2            | 2             |   |   |   |   |   |   |   |   |          |        |
| 4.                       | MW-33D-021225                    | GW               |                | /    | 2/12/25              | 1145 | 3            | 2             | 1 |   |   |   |   |   |   |   |          |        |
| 5.                       | MW-33D-MS-021225                 | GW               |                | /    | 2/12/25              | 1145 | 3            | 2             | 1 |   |   |   |   |   |   |   |          |        |
| 6.                       | MW-33D-MSD-021225                | GW               |                | /    | 2/12/25              | 1145 | 3            | 2             | 1 |   |   |   |   |   |   |   |          |        |
| 7.                       | V FCC-2-021225                   | GW               |                | /    | 2/12/25              | 1340 | 3            | 2             | 1 |   |   |   |   |   |   |   |          |        |
| 8.                       | V FCC-3-021225                   | GW               |                | /    | 2/12/25              | 1340 | 3            | 2             | 1 |   |   |   |   |   |   |   |          |        |
| 9.                       | MW-33S-021225                    | GW               |                | /    | 2/12/25              | 1435 | 3            | 2             | 1 |   |   |   |   |   |   |   |          |        |
| 10.                      | MW-33S-FD-021225                 | GW               |                | /    | 2/12/25              | 1435 | 3            | 2             | 1 |   |   |   |   |   |   |   |          |        |

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

|                          |              |                |                                                                                                                                                                     |
|--------------------------|--------------|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| RELINQUISHED BY SAMPLER: | DATE/TIME:   | RECEIVED BY:   | Conditions of bottles or coolers at receipt: <input type="checkbox"/> COMPLIANT <input type="checkbox"/> NON COMPLIANT <input type="checkbox"/> COOLER TEMP: 3.1 °C |
| 1. [Signature]           | 2/12/25-1600 | 1. FedEx       | Comments: 1633 Analysis has 48-45 Hold                                                                                                                              |
| RELINQUISHED BY SAMPLER: | DATE/TIME:   | RECEIVED BY:   |                                                                                                                                                                     |
| 2. [Signature]           | 2/12/25-     | 2. [Signature] |                                                                                                                                                                     |
| RELINQUISHED BY SAMPLER: | DATE/TIME:   | RECEIVED BY:   |                                                                                                                                                                     |
| 3. [Signature]           | 2-13-25      | 3. [Signature] |                                                                                                                                                                     |

Page 1 of 2

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

Shipment Complete  
☐ YES ☐ NO

## CLIENT INFORMATION

## REPORT TO BE SENT TO:

COMPANY: TechLaw Consultants, Inc.

ADDRESS: 14840 Conference Center Drive

CITY: Chantilly STATE: VA ZIP: 20151

ATTENTION: Jordan Hedvat

PHONE: 908-789-8900 FAX: -

## CLIENT PROJECT INFORMATION

PROJECT NAME: REAL Commodore

PROJECT NO.: F0066 LOCATION: Audubon, PA

PROJECT MANAGER: J. Dziekan

e-mail: Jonathan.Dziekan@techlawconsultants.com

PHONE: 571-538-2270 FAX: -

## CLIENT BILLING INFORMATION

BILL TO: Sed Contract

PO#:

ADDRESS:

CITY:

STATE:

ZIP:

ATTENTION:

PHONE:

## ANALYSIS

## DATA TURNAROUND INFORMATION

FAX (RUSH) \_\_\_\_\_ DAYS\*

HARDCOPY (DATA PACKAGE): \_\_\_\_\_ DAYS\*

EDD: See Contract \_\_\_\_\_ DAYS\*

\*TO BE APPROVED BY CHEMTECH

STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS DAYS

## DATA DELIVERABLE INFORMATION

☐ Level 1 (Results Only) ☐ Level 4 (QC + Full Raw Data)☐ Level 2 (Results + QC) ☐ NJ Reduced ☐ US EPA CLP☐ Level 3 (Results + QC) ☐ NYS ASP A ☐ NYS ASP B☐ + Raw Data ☐ Other \_\_\_\_\_☒ EDD FORMAT: REAC0060 D  
16233  
1 2 3 4 5 6 7 8 9CHEMTECH  
SAMPLE  
IDPROJECT  
SAMPLE IDENTIFICATIONSAMPLE  
MATRIXSAMPLE  
TYPESAMPLE  
COLLECTION

COMP

GRAB

DATE

TIME

# OF BOTTLES

## PRESERVATIVES

## COMMENTS

← Specify Preservatives

A-HCl

D-NaOH

B-HNO3

E-ICE

C-H2SO4

F-OTHER

1.

EB-02-021225

Blank

1/21/25 1500

1

1 2 3 4 5 6 7 8 9

2.

3.

4.

5.

6.

7.

8.

9.

10.

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

RELINQUISHED BY SAMPLER:

DATE/TIME:

RECEIVED BY:

Conditions of bottles or coolers at receipt:

☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP

Comments:

RELINQUISHED BY SAMPLER:

DATE/TIME:

RECEIVED BY:

RELINQUISHED BY SAMPLER:

DATE/TIME:

RECEIVED BY:

Page 2 of 2

CLIENT:

☐ Hand Delivered ☐ Other

CHEMTECH:

☐ Picked Up ☐ Field Sampling

Shipment Complete

☐ YES ☐ NO



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

### Laboratory Certification

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

## LOGIN REPORT/SAMPLE TRANSFER

|                                                |               |                                                 |                                       |
|------------------------------------------------|---------------|-------------------------------------------------|---------------------------------------|
| <b>Order ID :</b> Q1363                        | <b>TECH05</b> | <b>Order Date :</b> 2/13/2025 10:25:00 AM       | <b>Project Mgr :</b>                  |
| <b>Client Name :</b> TechLaw Consultants, Inc  |               | <b>Project Name :</b> Mansfield - REAC 83150.1. | <b>Report Type :</b> Level 2          |
| <b>Client Contact :</b> Jonathan Dziekan       |               | <b>Receive DateTime :</b> 2/13/2025 9:59:00 AM  | <b>EDD Type :</b> Equis Region2(MEDD) |
| <b>Invoice Name :</b> TechLaw Consultants, Inc |               | <b>Purchase Order :</b>                         | <b>Hard Copy Date :</b>               |
| <b>Invoice Contact :</b> Jonathan Dziekan      |               |                                                 | <b>Date Signoff :</b>                 |

| LAB ID   | CLIENT ID     | MATRIX | SAMPLE DATE | SAMPLE TIME | TEST          | TEST GROUP | METHOD   | FAX DATE    | DUE DATES |
|----------|---------------|--------|-------------|-------------|---------------|------------|----------|-------------|-----------|
| Q1363-01 | MW-30D-021125 | Water  | 02/11/2025  | 14:30       |               |            |          |             |           |
|          |               |        |             |             | VOC-TCLVOA-10 |            | 8260-Low | 4 Bus. Days |           |
| Q1363-02 | EB-01-021125  | Water  | 02/11/2025  | 18:00       |               |            |          |             |           |
|          |               |        |             |             | VOC-TCLVOA-10 |            | 8260-Low | 4 Bus. Days |           |
| Q1363-03 | TB-01-021125  | Water  | 02/11/2025  | 14:15       |               |            |          |             |           |
|          |               |        |             |             | VOC-TCLVOA-10 |            | 8260-Low | 4 Bus. Days |           |
| Q1363-04 | MW-33D-021225 | Water  | 02/12/2025  | 11:45       |               |            |          |             |           |
|          |               |        |             |             | VOC-TCLVOA-10 |            | 8260-Low | 4 Bus. Days |           |
| Q1363-05 | Q1363-04MS    | Water  | 02/12/2025  | 11:45       |               |            |          |             |           |
|          |               |        |             |             | VOC-TCLVOA-10 |            | 8260-Low | 4 Bus. Days |           |
| Q1363-06 | Q1363-04MSD   | Water  | 02/12/2025  | 11:45       |               |            |          |             |           |
|          |               |        |             |             | VOC-TCLVOA-10 |            | 8260-Low | 4 Bus. Days |           |
| Q1363-07 | VFCC-2-021225 | Water  | 02/12/2025  | 13:40       |               |            |          |             |           |
|          |               |        |             |             | VOC-TCLVOA-10 |            | 8260-Low | 4 Bus. Days |           |
| Q1363-08 | VFCC-3-021225 | Water  | 02/12/2025  | 13:20       |               |            |          |             |           |



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

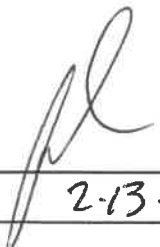
## LOGIN REPORT/SAMPLE TRANSFER

|                                                |        |                                                 |                                       |
|------------------------------------------------|--------|-------------------------------------------------|---------------------------------------|
| <b>Order ID :</b> Q1363                        | TECH05 | <b>Order Date :</b> 2/13/2025 10:25:00 AM       | <b>Project Mgr :</b>                  |
| <b>Client Name :</b> TechLaw Consultants, Inc  |        | <b>Project Name :</b> Mansfield - REAC 83150.1. | <b>Report Type :</b> Level 2          |
| <b>Client Contact :</b> Jonathan Dziekan       |        | <b>Receive DateTime :</b> 2/13/2025 9:59:00 AM  | <b>EDD Type :</b> Equis Region2(MEDD) |
| <b>Invoice Name :</b> TechLaw Consultants, Inc |        | <b>Purchase Order :</b>                         | <b>Hard Copy Date :</b>               |
| <b>Invoice Contact :</b> Jonathan Dziekan      |        |                                                 | <b>Date Signoff :</b>                 |

| LAB ID   | CLIENT ID        | MATRIX | SAMPLE DATE | SAMPLE TIME | TEST          | TEST GROUP | METHOD   | FAX DATE | DUE DATES   |
|----------|------------------|--------|-------------|-------------|---------------|------------|----------|----------|-------------|
| Q1363-09 | MW-33S-021225    | Water  | 02/12/2025  | 14:35       | VOC-TCLVOA-10 |            | 8260-Low |          | 4 Bus. Days |
| Q1363-10 | MW-33S-FD-021225 | Water  | 02/12/2025  | 14:35       | VOC-TCLVOA-10 |            | 8260-Low |          | 4 Bus. Days |
| Q1363-11 | EB-02-021225     | Water  | 02/12/2025  | 15:06       | VOC-TCLVOA-10 |            | 8260-Low |          | 4 Bus. Days |

Relinquished By : 

Date / Time : 2-13-25 11:06

Received By : 

Date / Time : 2-13-25 11:06

Storage Area : VOA Refridgerator Room