

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

**SDG No.:** Q1462  
**Client:** G Environmental

| Sample ID         | Client ID  | Matrix | Parameter                      | Concentration | C    | MDL  | RDL  | Units |
|-------------------|------------|--------|--------------------------------|---------------|------|------|------|-------|
| <b>Client ID:</b> | <b>MW2</b> |        |                                |               |      |      |      |       |
| Q1462-01          | MW2        | Water  | Benzene                        | 1.40          |      | 0.16 | 1.00 | ug/L  |
| Q1462-01          | MW2        | Water  | Toluene                        | 1.40          |      | 0.18 | 1.00 | ug/L  |
| Q1462-01          | MW2        | Water  | Ethyl Benzene                  | 3.20          |      | 0.16 | 1.00 | ug/L  |
| Q1462-01          | MW2        | Water  | m/p-Xylenes                    | 3.90          |      | 0.31 | 2.00 | ug/L  |
| Q1462-01          | MW2        | Water  | o-Xylene                       | 3.90          |      | 0.14 | 1.00 | ug/L  |
|                   |            |        | <b>Total Voc :</b>             |               | 13.8 |      |      |       |
| Q1462-01          | MW2        | Water  | Pentane, 3-methyl-             | * 110         | J    | 0    | 0    | ug/L  |
| Q1462-01          | MW2        | Water  | Cyclopentane, methyl-          | * 110         | J    | 0    | 0    | ug/L  |
| Q1462-01          | MW2        | Water  | Pentane, 2-methyl-             | * 99.2        | J    | 0    | 0    | ug/L  |
| Q1462-01          | MW2        | Water  | Benzene, 1,2-diethyl-          | * 94.1        | J    | 0    | 0    | ug/L  |
| Q1462-01          | MW2        | Water  | Benzene, 1,2,3-trimethyl-      | * 99.2        | J    | 0    | 0    | ug/L  |
| Q1462-01          | MW2        | Water  | Benzene, 1-ethyl-2-methyl-     | * 230         | J    | 0    | 0    | ug/L  |
| Q1462-01          | MW2        | Water  | Benzene, 1-ethyl-4-methyl-     | * 140         | J    | 0    | 0    | ug/L  |
| Q1462-01          | MW2        | Water  | 1-Phenyl-1-butene              | * 120         | J    | 0    | 0    | ug/L  |
| Q1462-01          | MW2        | Water  | Benzene, 2-ethyl-1,4-dimethyl- | * 150         | J    | 0    | 0    | ug/L  |
| Q1462-01          | MW2        | Water  | Benzene, 1-ethenyl-3-ethyl-    | * 84.8        | J    | 0    | 0    | ug/L  |
| Q1462-01          | MW2        | Water  | Cyclohexane                    | * 50.1        | J    | 1.60 | 5.00 | ug/L  |
| Q1462-01          | MW2        | Water  | Methylcyclohexane              | * 55.8        | J    | 0.19 | 1.00 | ug/L  |
| Q1462-01          | MW2        | Water  | Isopropylbenzene               | * 23.9        | J    | 0.13 | 1.00 | ug/L  |
| Q1462-01          | MW2        | Water  | n-propylbenzene                | * 100         | J    | 0.14 | 1.00 | ug/L  |
| Q1462-01          | MW2        | Water  | 1,3,5-Trimethylbenzene         | * 110         | J    | 0.18 | 1.00 | ug/L  |
| Q1462-01          | MW2        | Water  | 1,2,4-Trimethylbenzene         | * 400         | J    | 0.18 | 1.00 | ug/L  |
| Q1462-01          | MW2        | Water  | sec-Butylbenzene               | * 10.9        | J    | 0.17 | 1.00 | ug/L  |
| Q1462-01          | MW2        | Water  | p-Isopropyltoluene             | * 5.40        | J    | 0.15 | 1.00 | ug/L  |
| Q1462-01          | MW2        | Water  | n-Butylbenzene                 | * 35.0        | J    | 0.22 | 1.00 | ug/L  |
| Q1462-01          | MW2        | Water  | Naphthalene                    | * 3.10        | J    | 0.59 | 1.00 | ug/L  |
|                   |            |        | <b>Total Tics :</b>            |               | 2030 |      |      |       |
|                   |            |        | <b>Total Concentration:</b>    |               | 2050 |      |      |       |



# SAMPLE DATA

## Report of Analysis

|                    |                            |                 |              |
|--------------------|----------------------------|-----------------|--------------|
| Client:            | G Environmental            | Date Collected: | 02/27/25     |
| Project:           | Lawel                      | Date Received:  | 02/27/25     |
| Client Sample ID:  | MW2                        | SDG No.:        | Q1462        |
| Lab Sample ID:     | Q1462-01                   | Matrix:         | Water        |
| Analytical Method: | SW8260                     | % Solid:        | 0            |
| Sample Wt/Vol:     | 5      Units:    mL        | Final Vol:      | 5000      uL |
| Soil Aliquot Vol:  | uL                         | Test:           | VOCMS Group2 |
| GC Column:         | DB-624UI      ID :    0.18 | Level :         | LOW          |
| Prep Method :      |                            |                 |              |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX045096.D        | 1         |           | 02/28/25 18:04 | VX022825      |

| CAS Number     | Parameter                | Conc. | Qualifier | MDL  | LOQ / CRQL | Units |
|----------------|--------------------------|-------|-----------|------|------------|-------|
| <b>TARGETS</b> |                          |       |           |      |            |       |
| 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  |
| 75-65-0        | Tert butyl alcohol       | 5.60  | U         | 5.60 | 25.0       | 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  |
| 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  |
| 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  |
| 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  |
| 71-43-2        | Benzene                  | 1.40  |           | 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                  | 1.40  |           | 0.18 | 1.00       | ug/L  |
| 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  |
| 127-18-4       | Tetrachloroethene        | 0.25  | U         | 0.25 | 1.00       | ug/L  |

## Report of Analysis

|                    |                 |                 |          |
|--------------------|-----------------|-----------------|----------|
| Client:            | G Environmental | Date Collected: | 02/27/25 |
| Project:           | Lawel           | Date Received:  | 02/27/25 |
| Client Sample ID:  | MW2             | SDG No.:        | Q1462    |
| Lab Sample ID:     | Q1462-01        | Matrix:         | Water    |
| Analytical Method: | SW8260          | % Solid:        | 0        |
| Sample Wt/Vol:     | 5               | Units:          | mL       |
| Soil Aliquot Vol:  |                 |                 | uL       |
| GC Column:         | DB-624UI        | ID :            | 0.18     |
| Prep Method :      |                 | Level :         | LOW      |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
|-------------------|-----------|-----------|----------------|---------------|
| VX045096.D        | 1         |           | 02/28/25 18:04 | VX022825      |

| CAS Number                            | Parameter                  | Conc.  | Qualifier | MDL                 | LOQ / CRQL | Units   |
|---------------------------------------|----------------------------|--------|-----------|---------------------|------------|---------|
| 108-90-7                              | Chlorobenzene              | 0.13   | U         | 0.13                | 1.00       | ug/L    |
| 100-41-4                              | Ethyl Benzene              | 3.20   |           | 0.16                | 1.00       | ug/L    |
| 179601-23-1                           | m/p-Xylenes                | 3.90   |           | 0.31                | 2.00       | ug/L    |
| 95-47-6                               | o-Xylene                   | 3.90   |           | 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    |
| 79-34-5                               | 1,1,2,2-Tetrachloroethane  | 0.27   | U         | 0.27                | 1.00       | ug/L    |
| <b>SURROGATES</b>                     |                            |        |           |                     |            |         |
| 17060-07-0                            | 1,2-Dichloroethane-d4      | 49.7   |           | 70 (74) - 130 (125) | 99%        | SPK: 50 |
| 1868-53-7                             | Dibromofluoromethane       | 52.2   |           | 70 (75) - 130 (124) | 104%       | SPK: 50 |
| 2037-26-5                             | Toluene-d8                 | 50.7   |           | 70 (86) - 130 (113) | 101%       | SPK: 50 |
| 460-00-4                              | 4-Bromofluorobenzene       | 56.8   |           | 70 (77) - 130 (121) | 114%       | SPK: 50 |
| <b>INTERNAL STANDARDS</b>             |                            |        |           |                     |            |         |
| 363-72-4                              | Pentafluorobenzene         | 67500  | 5.55      |                     |            |         |
| 540-36-3                              | 1,4-Difluorobenzene        | 129000 | 6.757     |                     |            |         |
| 3114-55-4                             | Chlorobenzene-d5           | 120000 | 10.049    |                     |            |         |
| 3855-82-1                             | 1,4-Dichlorobenzene-d4     | 53800  | 12.018    |                     |            |         |
| <b>TENTATIVE IDENTIFIED COMPOUNDS</b> |                            |        |           |                     |            |         |
| 000107-83-5                           | Pentane, 2-methyl-         | 99.2   | J         |                     | 2.82       | ug/L    |
| 000096-14-0                           | Pentane, 3-methyl-         | 110    | J         |                     | 3.09       | ug/L    |
| 000096-37-7                           | Cyclopentane, methyl-      | 110    | J         |                     | 4.30       | ug/L    |
| 110-82-7                              | Cyclohexane                | 50.1   | J         |                     | 5.46       | ug/L    |
| 108-87-2                              | Methylcyclohexane          | 55.8   | J         |                     | 7.37       | ug/L    |
| 98-82-8                               | Isopropylbenzene           | 23.9   | J         |                     | 11.0       | ug/L    |
| 103-65-1                              | n-propylbenzene            | 100    | J         |                     | 11.3       | ug/L    |
| 000611-14-3                           | Benzene, 1-ethyl-2-methyl- | 230    | J         |                     | 11.4       | ug/L    |
| 108-67-8                              | 1,3,5-Trimethylbenzene     | 110    | J         |                     | 11.5       | ug/L    |
| 000622-96-8                           | Benzene, 1-ethyl-4-methyl- | 140    | J         |                     | 11.6       | ug/L    |
| 95-63-6                               | 1,2,4-Trimethylbenzene     | 400    | J         |                     | 11.8       | ug/L    |
| 135-98-8                              | sec-Butylbenzene           | 10.9   | J         |                     | 11.9       | ug/L    |
| 99-87-6                               | p-Isopropyltoluene         | 5.40   | J         |                     | 12.0       | ug/L    |
| 000526-73-8                           | Benzene, 1,2,3-trimethyl-  | 99.2   | J         |                     | 12.1       | ug/L    |

## Report of Analysis

|                    |                 |                 |          |
|--------------------|-----------------|-----------------|----------|
| Client:            | G Environmental | Date Collected: | 02/27/25 |
| Project:           | Lawel           | Date Received:  | 02/27/25 |
| Client Sample ID:  | MW2             | SDG No.:        | Q1462    |
| Lab Sample ID:     | Q1462-01        | Matrix:         | Water    |
| Analytical Method: | SW8260          | % Solid:        | 0        |
| Sample Wt/Vol:     | 5               | Units:          | mL       |
| Soil Aliquot Vol:  |                 |                 | uL       |
| GC Column:         | DB-624UI        | ID :            | 0.18     |
| Prep Method :      |                 | Level :         | LOW      |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
|-------------------|-----------|-----------|----------------|---------------|
| VX045096.D        | 1         |           | 02/28/25 18:04 | VX022825      |

| CAS Number  | Parameter                      | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|-------------|--------------------------------|-------|-----------|-----|------------|-------|
| 000135-01-3 | Benzene, 1,2-diethyl-          | 94.1  | J         |     | 12.2       | ug/L  |
| 104-51-8    | n-Butylbenzene                 | 35.0  | J         |     | 12.3       | ug/L  |
| 001758-88-9 | Benzene, 2-ethyl-1,4-dimethyl- | 150   | J         |     | 12.6       | ug/L  |
| 007525-62-4 | Benzene, 1-ethenyl-3-ethyl-    | 84.8  | J         |     | 12.7       | ug/L  |
| 000824-90-8 | 1-Phenyl-1-butene              | 120   | J         |     | 13.3       | ug/L  |
| 91-20-3     | Naphthalene                    | 3.10  | J         |     | 13.8       | ug/L  |

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

### Report of Analysis

|                    |                 |           |                 |              |    |
|--------------------|-----------------|-----------|-----------------|--------------|----|
| Client:            | G Environmental |           | Date Collected: | 02/27/25     |    |
| Project:           | Lawel           |           | Date Received:  | 02/27/25     |    |
| Client Sample ID:  | FB              |           | SDG No.:        | Q1462        |    |
| Lab Sample ID:     | Q1462-02        |           | Matrix:         | Water        |    |
| Analytical Method: | SW8260          |           | % Solid:        | 0            |    |
| Sample Wt/Vol:     | 5               | Units: mL | Final Vol:      | 5000         | uL |
| Soil Aliquot Vol:  |                 | uL        | Test:           | VOCMS Group2 |    |
| GC Column:         | DB-624UI        | ID : 0.18 | Level :         | LOW          |    |
| Prep Method :      |                 |           |                 |              |    |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX045090.D        | 1         |           | 02/28/25 15:44 | VX022825      |

| CAS Number     | Parameter                | Conc. | Qualifier | MDL  | LOQ / CRQL | Units |
|----------------|--------------------------|-------|-----------|------|------------|-------|
| <b>TARGETS</b> |                          |       |           |      |            |       |
| 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  |
| 75-65-0        | Tert butyl alcohol       | 5.60  | U         | 5.60 | 25.0       | 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  |
| 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  |
| 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  |
| 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  |
| 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  |
| 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  |
| 127-18-4       | Tetrachloroethene        | 0.25  | U         | 0.25 | 1.00       | ug/L  |

## Report of Analysis

|                    |                            |                 |              |
|--------------------|----------------------------|-----------------|--------------|
| Client:            | G Environmental            | Date Collected: | 02/27/25     |
| Project:           | Lawel                      | Date Received:  | 02/27/25     |
| Client Sample ID:  | FB                         | SDG No.:        | Q1462        |
| Lab Sample ID:     | Q1462-02                   | Matrix:         | Water        |
| Analytical Method: | SW8260                     | % Solid:        | 0            |
| Sample Wt/Vol:     | 5      Units:    mL        | Final Vol:      | 5000      uL |
| Soil Aliquot Vol:  | uL                         | Test:           | VOCMS Group2 |
| GC Column:         | DB-624UI      ID :    0.18 | Level :         | LOW          |
| Prep Method :      |                            |                 |              |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX045090.D        | 1         |           | 02/28/25 15:44 | VX022825      |

| CAS Number                | Parameter                 | Conc.  | Qualifier | MDL                 | LOQ / CRQL | Units   |
|---------------------------|---------------------------|--------|-----------|---------------------|------------|---------|
| 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    |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane | 0.27   | U         | 0.27                | 1.00       | ug/L    |
| <b>SURROGATES</b>         |                           |        |           |                     |            |         |
| 17060-07-0                | 1,2-Dichloroethane-d4     | 51.6   |           | 70 (74) - 130 (125) | 103%       | SPK: 50 |
| 1868-53-7                 | Dibromofluoromethane      | 51.4   |           | 70 (75) - 130 (124) | 103%       | SPK: 50 |
| 2037-26-5                 | Toluene-d8                | 50.8   |           | 70 (86) - 130 (113) | 102%       | SPK: 50 |
| 460-00-4                  | 4-Bromofluorobenzene      | 51.8   |           | 70 (77) - 130 (121) | 104%       | SPK: 50 |
| <b>INTERNAL STANDARDS</b> |                           |        |           |                     |            |         |
| 363-72-4                  | Pentafluorobenzene        | 72900  | 5.55      |                     |            |         |
| 540-36-3                  | 1,4-Difluorobenzene       | 143000 | 6.757     |                     |            |         |
| 3114-55-4                 | Chlorobenzene-d5          | 132000 | 10.049    |                     |            |         |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4    | 54100  | 12.024    |                     |            |         |

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



# QC SUMMARY

### Surrogate Summary

SDG No.: **Q1462**

Client: **G Environmental**

Analytical Method: **SW8260-Low**

| Lab Sample ID | Client ID    | Parameter             | Spike | Result | RecoveryQual | Limits  |           |
|---------------|--------------|-----------------------|-------|--------|--------------|---------|-----------|
|               |              |                       |       |        |              | Low     | High      |
| Q1462-01      | MW2          | 1,2-Dichloroethane-d4 | 50    | 49.7   | 99           | 70 (74) | 130 (125) |
|               |              | Dibromofluoromethane  | 50    | 52.2   | 104          | 70 (75) | 130 (124) |
|               |              | Toluene-d8            | 50    | 50.7   | 101          | 70 (86) | 130 (113) |
|               |              | 4-Bromofluorobenzene  | 50    | 56.8   | 114          | 70 (77) | 130 (121) |
| Q1462-02      | FB           | 1,2-Dichloroethane-d4 | 50    | 51.6   | 103          | 70 (74) | 130 (125) |
|               |              | Dibromofluoromethane  | 50    | 51.4   | 103          | 70 (75) | 130 (124) |
|               |              | Toluene-d8            | 50    | 50.8   | 102          | 70 (86) | 130 (113) |
|               |              | 4-Bromofluorobenzene  | 50    | 51.8   | 104          | 70 (77) | 130 (121) |
| VX0228WBL01   | VX0228WBL01  | 1,2-Dichloroethane-d4 | 50    | 50.0   | 100          | 70 (74) | 130 (125) |
|               |              | Dibromofluoromethane  | 50    | 51.0   | 102          | 70 (75) | 130 (124) |
|               |              | Toluene-d8            | 50    | 50.9   | 102          | 70 (86) | 130 (113) |
|               |              | 4-Bromofluorobenzene  | 50    | 53.3   | 107          | 70 (77) | 130 (121) |
| VX0228WBS01   | VX0228WBS01  | 1,2-Dichloroethane-d4 | 50    | 46.9   | 94           | 70 (74) | 130 (125) |
|               |              | Dibromofluoromethane  | 50    | 48.2   | 96           | 70 (75) | 130 (124) |
|               |              | Toluene-d8            | 50    | 50.1   | 100          | 70 (86) | 130 (113) |
|               |              | 4-Bromofluorobenzene  | 50    | 51.0   | 102          | 70 (77) | 130 (121) |
| VX0228WBSD0   | VX0228WBSD01 | 1,2-Dichloroethane-d4 | 50    | 48.0   | 96           | 70 (74) | 130 (125) |
|               |              | Dibromofluoromethane  | 50    | 49.6   | 99           | 70 (75) | 130 (124) |
|               |              | Toluene-d8            | 50    | 50.1   | 100          | 70 (86) | 130 (113) |
|               |              | 4-Bromofluorobenzene  | 50    | 51.6   | 103          | 70 (77) | 130 (121) |



Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1462

Client: G Environmental

Analytical Method: SW8260-Low

Datafile : VX045080.D

| Lab Sample ID | Parameter                 | Spike | Result | Unit | Rec | RPD | Qual | Low     | Limits High | RPD |
|---------------|---------------------------|-------|--------|------|-----|-----|------|---------|-------------|-----|
| VX0228WBS01   | Chloromethane             | 20    | 18.6   | ug/L | 93  |     |      | 40 (65) | 160 (116)   |     |
|               | Vinyl chloride            | 20    | 18.4   | ug/L | 92  |     |      | 70 (65) | 130 (117)   |     |
|               | Bromomethane              | 20    | 17.7   | ug/L | 89  |     |      | 40 (58) | 160 (125)   |     |
|               | Chloroethane              | 20    | 16.6   | ug/L | 83  |     |      | 40 (56) | 160 (128)   |     |
|               | Tert butyl alcohol        | 100   | 80.2   | ug/L | 80  |     |      | 70 (73) | 130 (124)   |     |
|               | 1,1-Dichloroethene        | 20    | 18.1   | ug/L | 91  |     |      | 70 (74) | 130 (110)   |     |
|               | Acetone                   | 100   | 83.3   | ug/L | 83  |     |      | 40 (60) | 160 (125)   |     |
|               | Carbon disulfide          | 20    | 17.7   | ug/L | 89  |     |      | 40 (64) | 160 (112)   |     |
|               | Methyl tert-butyl Ether   | 20    | 17.9   | ug/L | 90  |     |      | 70 (78) | 130 (114)   |     |
|               | Methylene Chloride        | 20    | 17.9   | ug/L | 90  |     |      | 70 (72) | 130 (114)   |     |
|               | trans-1,2-Dichloroethene  | 20    | 18.6   | ug/L | 93  |     |      | 70 (75) | 130 (108)   |     |
|               | 1,1-Dichloroethane        | 20    | 17.9   | ug/L | 90  |     |      | 70 (78) | 130 (112)   |     |
|               | 2-Butanone                | 100   | 91.6   | ug/L | 92  |     |      | 40 (65) | 160 (122)   |     |
|               | Carbon Tetrachloride      | 20    | 18.5   | ug/L | 93  |     |      | 70 (77) | 130 (113)   |     |
|               | cis-1,2-Dichloroethene    | 20    | 18.2   | ug/L | 91  |     |      | 70 (77) | 130 (110)   |     |
|               | Chloroform                | 20    | 18.1   | ug/L | 91  |     |      | 70 (79) | 130 (113)   |     |
|               | 1,1,1-Trichloroethane     | 20    | 18.2   | ug/L | 91  |     |      | 70 (80) | 130 (108)   |     |
|               | Benzene                   | 20    | 19.0   | ug/L | 95  |     |      | 70 (82) | 130 (109)   |     |
|               | 1,2-Dichloroethane        | 20    | 18.6   | ug/L | 93  |     |      | 70 (80) | 130 (115)   |     |
|               | Trichloroethene           | 20    | 18.6   | ug/L | 93  |     |      | 70 (77) | 130 (113)   |     |
|               | 1,2-Dichloropropane       | 20    | 18.6   | ug/L | 93  |     |      | 70 (83) | 130 (111)   |     |
|               | Bromodichloromethane      | 20    | 18.6   | ug/L | 93  |     |      | 70 (83) | 130 (110)   |     |
|               | 4-Methyl-2-Pentanone      | 100   | 95.6   | ug/L | 96  |     |      | 40 (74) | 160 (118)   |     |
|               | Toluene                   | 20    | 19.6   | ug/L | 98  |     |      | 70 (82) | 130 (110)   |     |
|               | t-1,3-Dichloropropene     | 20    | 19.5   | ug/L | 98  |     |      | 70 (79) | 130 (110)   |     |
|               | cis-1,3-Dichloropropene   | 20    | 20.0   | ug/L | 100 |     |      | 70 (82) | 130 (110)   |     |
|               | 1,1,2-Trichloroethane     | 20    | 19.1   | ug/L | 96  |     |      | 70 (83) | 130 (112)   |     |
|               | 2-Hexanone                | 100   | 97.0   | ug/L | 97  |     |      | 40 (73) | 160 (117)   |     |
|               | Dibromochloromethane      | 20    | 18.5   | ug/L | 93  |     |      | 70 (82) | 130 (110)   |     |
|               | Tetrachloroethene         | 20    | 19.0   | ug/L | 95  |     |      | 70 (67) | 130 (123)   |     |
|               | Chlorobenzene             | 20    | 19.6   | ug/L | 98  |     |      | 70 (82) | 130 (109)   |     |
|               | Ethyl Benzene             | 20    | 19.4   | ug/L | 97  |     |      | 70 (83) | 130 (109)   |     |
|               | m/p-Xylenes               | 40    | 40.1   | ug/L | 100 |     |      | 70 (82) | 130 (110)   |     |
|               | o-Xylene                  | 20    | 19.7   | ug/L | 99  |     |      | 70 (83) | 130 (109)   |     |
|               | Styrene                   | 20    | 20.2   | ug/L | 101 |     |      | 70 (80) | 130 (111)   |     |
|               | Bromoform                 | 20    | 18.2   | ug/L | 91  |     |      | 70 (79) | 130 (109)   |     |
|               | 1,1,2,2-Tetrachloroethane | 20    | 18.3   | ug/L | 92  |     |      | 70 (76) | 130 (118)   |     |

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q1462

Client: G Environmental

Analytical Method: SW8260-Low

Datafile : VX045081.D

| Lab Sample ID | Parameter                 | Spike | Result | Unit | Rec | RPD | Qual | Low     | Limits High | RPD     |
|---------------|---------------------------|-------|--------|------|-----|-----|------|---------|-------------|---------|
| VX0228WBSD01  | Chloromethane             | 20    | 18.6   | ug/L | 93  | 0   |      | 40 (65) | 160 (116)   | 20 (20) |
|               | Vinyl chloride            | 20    | 18.1   | ug/L | 91  | 1   |      | 70 (65) | 130 (117)   | 20 (20) |
|               | Bromomethane              | 20    | 18.7   | ug/L | 94  | 5   |      | 40 (58) | 160 (125)   | 20 (20) |
|               | Chloroethane              | 20    | 16.0   | ug/L | 80  | 4   |      | 40 (56) | 160 (128)   | 20 (20) |
|               | Tert butyl alcohol        | 100   | 84.8   | ug/L | 85  | 6   |      | 70 (73) | 130 (124)   | 20 (20) |
|               | 1,1-Dichloroethene        | 20    | 18.2   | ug/L | 91  | 0   |      | 70 (74) | 130 (110)   | 20 (20) |
|               | Acetone                   | 100   | 88.6   | ug/L | 89  | 7   |      | 40 (60) | 160 (125)   | 20 (20) |
|               | Carbon disulfide          | 20    | 17.9   | ug/L | 90  | 1   |      | 40 (64) | 160 (112)   | 20 (20) |
|               | Methyl tert-butyl Ether   | 20    | 18.6   | ug/L | 93  | 3   |      | 70 (78) | 130 (114)   | 20 (20) |
|               | Methylene Chloride        | 20    | 17.9   | ug/L | 90  | 0   |      | 70 (72) | 130 (114)   | 20 (20) |
|               | trans-1,2-Dichloroethene  | 20    | 18.8   | ug/L | 94  | 1   |      | 70 (75) | 130 (108)   | 20 (20) |
|               | 1,1-Dichloroethane        | 20    | 18.0   | ug/L | 90  | 0   |      | 70 (78) | 130 (112)   | 20 (20) |
|               | 2-Butanone                | 100   | 95.9   | ug/L | 96  | 4   |      | 40 (65) | 160 (122)   | 20 (20) |
|               | Carbon Tetrachloride      | 20    | 18.8   | ug/L | 94  | 1   |      | 70 (77) | 130 (113)   | 20 (20) |
|               | cis-1,2-Dichloroethene    | 20    | 18.9   | ug/L | 95  | 4   |      | 70 (77) | 130 (110)   | 20 (20) |
|               | Chloroform                | 20    | 18.5   | ug/L | 93  | 2   |      | 70 (79) | 130 (113)   | 20 (20) |
|               | 1,1,1-Trichloroethane     | 20    | 18.8   | ug/L | 94  | 3   |      | 70 (80) | 130 (108)   | 20 (20) |
|               | Benzene                   | 20    | 19.3   | ug/L | 97  | 2   |      | 70 (82) | 130 (109)   | 20 (20) |
|               | 1,2-Dichloroethane        | 20    | 19.1   | ug/L | 96  | 3   |      | 70 (80) | 130 (115)   | 20 (20) |
|               | Trichloroethene           | 20    | 19.0   | ug/L | 95  | 2   |      | 70 (77) | 130 (113)   | 20 (20) |
|               | 1,2-Dichloropropane       | 20    | 19.0   | ug/L | 95  | 2   |      | 70 (83) | 130 (111)   | 20 (20) |
|               | Bromodichloromethane      | 20    | 19.0   | ug/L | 95  | 2   |      | 70 (83) | 130 (110)   | 20 (20) |
|               | 4-Methyl-2-Pentanone      | 100   | 100    | ug/L | 100 | 4   |      | 40 (74) | 160 (118)   | 20 (20) |
|               | Toluene                   | 20    | 19.9   | ug/L | 100 | 2   |      | 70 (82) | 130 (110)   | 20 (20) |
|               | t-1,3-Dichloropropene     | 20    | 19.9   | ug/L | 100 | 2   |      | 70 (79) | 130 (110)   | 20 (20) |
|               | cis-1,3-Dichloropropene   | 20    | 20.2   | ug/L | 101 | 1   |      | 70 (82) | 130 (110)   | 20 (20) |
|               | 1,1,2-Trichloroethane     | 20    | 19.8   | ug/L | 99  | 3   |      | 70 (83) | 130 (112)   | 20 (20) |
|               | 2-Hexanone                | 100   | 100    | ug/L | 100 | 3   |      | 40 (73) | 160 (117)   | 20 (20) |
|               | Dibromochloromethane      | 20    | 19.2   | ug/L | 96  | 3   |      | 70 (82) | 130 (110)   | 20 (20) |
|               | Tetrachloroethene         | 20    | 19.7   | ug/L | 99  | 4   |      | 70 (67) | 130 (123)   | 20 (20) |
|               | Chlorobenzene             | 20    | 19.7   | ug/L | 99  | 1   |      | 70 (82) | 130 (109)   | 20 (20) |
|               | Ethyl Benzene             | 20    | 19.8   | ug/L | 99  | 2   |      | 70 (83) | 130 (109)   | 20 (20) |
|               | m/p-Xylenes               | 40    | 41.0   | ug/L | 103 | 3   |      | 70 (82) | 130 (110)   | 20 (20) |
|               | o-Xylene                  | 20    | 19.8   | ug/L | 99  | 0   |      | 70 (83) | 130 (109)   | 20 (20) |
|               | Styrene                   | 20    | 20.3   | ug/L | 102 | 1   |      | 70 (80) | 130 (111)   | 20 (20) |
|               | Bromoform                 | 20    | 18.6   | ug/L | 93  | 2   |      | 70 (79) | 130 (109)   | 20 (20) |
|               | 1,1,2,2-Tetrachloroethane | 20    | 18.8   | ug/L | 94  | 2   |      | 70 (76) | 130 (118)   | 20 (20) |

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0228WBL01

Lab Name: CHEMTECH

Contract: GENV01

Lab Code: CHEM Case No.: Q1462

SAS No.: Q1462 SDG NO.: Q1462

Lab File ID: VX045079.D

Lab Sample ID: VX0228WBL01

Date Analyzed: 02/28/2025

Time Analyzed: 11:23

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 |
|-------------------|------------------|----------------|------------------|
| VX0228WBS01       | VX0228WBS01      | VX045080.D     | 02/28/2025       |
| VX0228WBSD01      | VX0228WBSD01     | VX045081.D     | 02/28/2025       |
| FB                | Q1462-02         | VX045090.D     | 02/28/2025       |
| MW2               | Q1462-01         | VX045096.D     | 02/28/2025       |

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

\_\_\_\_\_

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01  
Lab Code: CHEM Case No.: Q1462 SAS No.: Q1462 SDG NO.: Q1462  
Lab File ID: VX045067.D BFB Injection Date: 02/28/2025  
Instrument ID: MSVOA\_X BFB Injection Time: 01:03  
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            | 20.7                 |
| 75  | 30.0 - 60.0% of mass 95            | 53.6                 |
| 95  | Base Peak, 100% relative abundance | 100                  |
| 96  | 5.0 - 9.0% of mass 95              | 6.6                  |
| 173 | Less than 2.0% of mass 174         | 0.7 ( 1 ) 1          |
| 174 | 50.0 - 100.0% of mass 95           | 73.8                 |
| 175 | 5.0 - 9.0% of mass 174             | 5.8 ( 7.9 ) 1        |
| 176 | 95.0 - 101.0% of mass 174          | 70.6 ( 95.6 ) 1      |
| 177 | 5.0 - 9.0% of mass 176             | 4.3 ( 6.2 ) 2        |

1-Value is % mass 174

2-Value is % mass 176

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

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED | TIME<br>ANALYZED |
|-------------------|------------------|----------------|------------------|------------------|
| VSTDIC001         | VSTDIC001        | VX045068.D     | 02/28/2025       | 01:27            |
| VSTDIC005         | VSTDIC005        | VX045069.D     | 02/28/2025       | 02:13            |
| VSTDIC020         | VSTDIC020        | VX045070.D     | 02/28/2025       | 02:37            |
| VSTDIC050         | VSTDIC050        | VX045071.D     | 02/28/2025       | 03:00            |
| VSTDIC100         | VSTDIC100        | VX045072.D     | 02/28/2025       | 03:23            |
| VSTDIC150         | VSTDIC150        | VX045073.D     | 02/28/2025       | 03:47            |

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK  
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01  
Lab Code: CHEM Case No.: Q1462 SAS No.: Q1462 SDG NO.: Q1462  
Lab File ID: VX045076.D BFB Injection Date: 02/28/2025  
Instrument ID: MSVOA\_X BFB Injection Time: 10:03  
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            | 21.1                 |
| 75  | 30.0 - 60.0% of mass 95            | 52.2                 |
| 95  | Base Peak, 100% relative abundance | 100                  |
| 96  | 5.0 - 9.0% of mass 95              | 6.9                  |
| 173 | Less than 2.0% of mass 174         | 0.8 ( 1 ) 1          |
| 174 | 50.0 - 100.0% of mass 95           | 74.6                 |
| 175 | 5.0 - 9.0% of mass 174             | 5.5 ( 7.4 ) 1        |
| 176 | 95.0 - 101.0% of mass 174          | 72.8 ( 97.6 ) 1      |
| 177 | 5.0 - 9.0% of mass 176             | 5.1 ( 7 ) 2          |

1-Value is % mass 174

2-Value is % mass 176

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

| EPA<br>SAMPLE NO. | LAB<br>SAMPLE ID | LAB<br>FILE ID | DATE<br>ANALYZED | TIME<br>ANALYZED |
|-------------------|------------------|----------------|------------------|------------------|
| VSTDCCC050        | VSTDCCC050       | VX045077.D     | 02/28/2025       | 10:32            |
| VX0228WBL01       | VX0228WBL01      | VX045079.D     | 02/28/2025       | 11:23            |
| VX0228WBS01       | VX0228WBS01      | VX045080.D     | 02/28/2025       | 11:46            |
| VX0228WBSD01      | VX0228WBSD01     | VX045081.D     | 02/28/2025       | 12:13            |
| FB                | Q1462-02         | VX045090.D     | 02/28/2025       | 15:44            |
| MW2               | Q1462-01         | VX045096.D     | 02/28/2025       | 18:04            |

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01  
 Lab Code: CHEM Case No.: Q1462 SAS No.: Q1462 SDG NO.: Q1462  
 Lab File ID: VX045077.D Date Analyzed: 02/28/2025  
 Instrument ID: MSVOA\_X Time Analyzed: 10:32  
 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    | 111989        | 5.54  | 196414        | 6.75  | 172369        | 10.05  |
| UPPER LIMIT    | 223978        | 6.037 | 392828        | 7.251 | 344738        | 10.549 |
| LOWER LIMIT    | 55994.5       | 5.037 | 98207         | 6.251 | 86184.5       | 9.549  |
| EPA SAMPLE NO. |               |       |               |       |               |        |
| MW2            | 67549         | 5.55  | 129283        | 6.76  | 120205        | 10.05  |
| FB             | 72859         | 5.55  | 143324        | 6.76  | 131539        | 10.05  |
| VX0228WBL01    | 76430         | 5.54  | 149381        | 6.76  | 137180        | 10.05  |
| VX0228WBS01    | 108329        | 5.54  | 192724        | 6.76  | 169474        | 10.05  |
| VX0228WBSD01   | 102676        | 5.54  | 183348        | 6.76  | 162382        | 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: GENV01  
 Lab Code: CHEM Case No.: Q1462 SAS No.: Q1462 SDG NO.: Q1462  
 Lab File ID: VX045077.D Date Analyzed: 02/28/2025  
 Instrument ID: MSVOA\_X Time Analyzed: 10:32  
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

|                | IS4<br>AREA # | RT #   |  |  |  |  |
|----------------|---------------|--------|--|--|--|--|
| 12 HOUR STD    | 76314         | 12.018 |  |  |  |  |
| UPPER LIMIT    | 152628        | 12.518 |  |  |  |  |
| LOWER LIMIT    | 38157         | 11.518 |  |  |  |  |
| EPA SAMPLE NO. |               |        |  |  |  |  |
| MW2            | 53843         | 12.02  |  |  |  |  |
| FB             | 54108         | 12.02  |  |  |  |  |
| VX0228WBL01    | 59690         | 12.02  |  |  |  |  |
| VX0228WBS01    | 76472         | 12.02  |  |  |  |  |
| VX0228WBSD01   | 73363         | 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.



# QC SAMPLE DATA

### Report of Analysis

|                    |                 |           |                 |              |
|--------------------|-----------------|-----------|-----------------|--------------|
| Client:            | G Environmental |           | Date Collected: |              |
| Project:           | Lawel           |           | Date Received:  |              |
| Client Sample ID:  | VX0228WBL01     |           | SDG No.:        | Q1462        |
| Lab Sample ID:     | VX0228WBL01     |           | Matrix:         | Water        |
| Analytical Method: | SW8260          |           | % Solid:        | 0            |
| Sample Wt/Vol:     | 5               | Units: mL | Final Vol:      | 5000 uL      |
| Soil Aliquot Vol:  |                 | uL        | Test:           | VOCMS Group2 |
| GC Column:         | DB-624UI        | ID : 0.18 | Level :         | LOW          |
| Prep Method :      |                 |           |                 |              |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX045079.D        | 1         |           | 02/28/25 11:23 | VX022825      |

| CAS Number     | Parameter                | Conc. | Qualifier | MDL  | LOQ / CRQL | Units |
|----------------|--------------------------|-------|-----------|------|------------|-------|
| <b>TARGETS</b> |                          |       |           |      |            |       |
| 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  |
| 75-65-0        | Tert butyl alcohol       | 5.60  | U         | 5.60 | 25.0       | 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  |
| 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  |
| 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  |
| 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  |
| 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  |
| 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  |
| 127-18-4       | Tetrachloroethene        | 0.25  | U         | 0.25 | 1.00       | ug/L  |

## Report of Analysis

|                    |                 |        |      |                 |              |
|--------------------|-----------------|--------|------|-----------------|--------------|
| Client:            | G Environmental |        |      | Date Collected: |              |
| Project:           | Lawel           |        |      | Date Received:  |              |
| Client Sample ID:  | VX0228WBL01     |        |      | SDG No.:        | Q1462        |
| Lab Sample ID:     | VX0228WBL01     |        |      | Matrix:         | Water        |
| Analytical Method: | SW8260          |        |      | % Solid:        | 0            |
| Sample Wt/Vol:     | 5               | Units: | mL   | Final Vol:      | 5000 uL      |
| Soil Aliquot Vol:  |                 |        | uL   | Test:           | VOCMS Group2 |
| GC Column:         | DB-624UI        | ID :   | 0.18 | Level :         | LOW          |
| Prep Method :      |                 |        |      |                 |              |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
|-------------------|-----------|-----------|----------------|---------------|
| VX045079.D        | 1         |           | 02/28/25 11:23 | VX022825      |

| CAS Number                | Parameter                 | Conc.  | Qualifier | MDL                 | LOQ / CRQL | Units   |
|---------------------------|---------------------------|--------|-----------|---------------------|------------|---------|
| 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    |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane | 0.27   | U         | 0.27                | 1.00       | ug/L    |
| <b>SURROGATES</b>         |                           |        |           |                     |            |         |
| 17060-07-0                | 1,2-Dichloroethane-d4     | 50.0   |           | 70 (74) - 130 (125) | 100%       | SPK: 50 |
| 1868-53-7                 | Dibromofluoromethane      | 51.0   |           | 70 (75) - 130 (124) | 102%       | SPK: 50 |
| 2037-26-5                 | Toluene-d8                | 50.9   |           | 70 (86) - 130 (113) | 102%       | SPK: 50 |
| 460-00-4                  | 4-Bromofluorobenzene      | 53.3   |           | 70 (77) - 130 (121) | 107%       | SPK: 50 |
| <b>INTERNAL STANDARDS</b> |                           |        |           |                     |            |         |
| 363-72-4                  | Pentafluorobenzene        | 76400  | 5.544     |                     |            |         |
| 540-36-3                  | 1,4-Difluorobenzene       | 149000 | 6.757     |                     |            |         |
| 3114-55-4                 | Chlorobenzene-d5          | 137000 | 10.049    |                     |            |         |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4    | 59700  | 12.018    |                     |            |         |

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of OC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

## Report of Analysis

|                    |                            |                 |              |
|--------------------|----------------------------|-----------------|--------------|
| Client:            | G Environmental            | Date Collected: |              |
| Project:           | Lawel                      | Date Received:  |              |
| Client Sample ID:  | VX0228WBS01                | SDG No.:        | Q1462        |
| Lab Sample ID:     | VX0228WBS01                | Matrix:         | Water        |
| Analytical Method: | SW8260                     | % Solid:        | 0            |
| Sample Wt/Vol:     | 5      Units:    mL        | Final Vol:      | 5000      uL |
| Soil Aliquot Vol:  | uL                         | Test:           | VOCMS Group2 |
| GC Column:         | DB-624UI      ID :    0.18 | Level :         | LOW          |
| Prep Method :      |                            |                 |              |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX045080.D        | 1         |           | 02/28/25 11:46 | VX022825      |

| CAS Number     | Parameter                | Conc. | Qualifier | MDL  | LOQ / CRQL | Units |
|----------------|--------------------------|-------|-----------|------|------------|-------|
| <b>TARGETS</b> |                          |       |           |      |            |       |
| 74-87-3        | Chloromethane            | 18.6  |           | 0.35 | 1.00       | ug/L  |
| 75-01-4        | Vinyl Chloride           | 18.4  |           | 0.34 | 1.00       | ug/L  |
| 74-83-9        | Bromomethane             | 17.7  |           | 1.40 | 5.00       | ug/L  |
| 75-00-3        | Chloroethane             | 16.6  |           | 0.56 | 1.00       | ug/L  |
| 75-65-0        | Tert butyl alcohol       | 80.2  |           | 5.60 | 25.0       | ug/L  |
| 75-35-4        | 1,1-Dichloroethene       | 18.1  |           | 0.26 | 1.00       | ug/L  |
| 67-64-1        | Acetone                  | 83.3  |           | 1.40 | 5.00       | ug/L  |
| 75-15-0        | Carbon Disulfide         | 17.7  |           | 0.32 | 1.00       | ug/L  |
| 1634-04-4      | Methyl tert-butyl Ether  | 17.9  |           | 0.16 | 1.00       | ug/L  |
| 75-09-2        | Methylene Chloride       | 17.9  |           | 0.32 | 1.00       | ug/L  |
| 156-60-5       | trans-1,2-Dichloroethene | 18.6  |           | 0.25 | 1.00       | ug/L  |
| 75-34-3        | 1,1-Dichloroethane       | 17.9  |           | 0.23 | 1.00       | ug/L  |
| 78-93-3        | 2-Butanone               | 91.6  |           | 1.30 | 5.00       | ug/L  |
| 56-23-5        | Carbon Tetrachloride     | 18.5  |           | 0.25 | 1.00       | ug/L  |
| 156-59-2       | cis-1,2-Dichloroethene   | 18.2  |           | 0.25 | 1.00       | ug/L  |
| 67-66-3        | Chloroform               | 18.1  |           | 0.26 | 1.00       | ug/L  |
| 71-55-6        | 1,1,1-Trichloroethane    | 18.2  |           | 0.19 | 1.00       | ug/L  |
| 71-43-2        | Benzene                  | 19.0  |           | 0.16 | 1.00       | ug/L  |
| 107-06-2       | 1,2-Dichloroethane       | 18.6  |           | 0.24 | 1.00       | ug/L  |
| 79-01-6        | Trichloroethene          | 18.6  |           | 0.32 | 1.00       | ug/L  |
| 78-87-5        | 1,2-Dichloropropane      | 18.6  |           | 0.19 | 1.00       | ug/L  |
| 75-27-4        | Bromodichloromethane     | 18.6  |           | 0.24 | 1.00       | ug/L  |
| 108-10-1       | 4-Methyl-2-Pentanone     | 95.6  |           | 0.75 | 5.00       | ug/L  |
| 108-88-3       | Toluene                  | 19.6  |           | 0.18 | 1.00       | ug/L  |
| 10061-02-6     | t-1,3-Dichloropropene    | 19.5  |           | 0.21 | 1.00       | ug/L  |
| 10061-01-5     | cis-1,3-Dichloropropene  | 20.0  |           | 0.18 | 1.00       | ug/L  |
| 79-00-5        | 1,1,2-Trichloroethane    | 19.1  |           | 0.21 | 1.00       | ug/L  |
| 591-78-6       | 2-Hexanone               | 97.0  |           | 1.10 | 5.00       | ug/L  |
| 124-48-1       | Dibromochloromethane     | 18.5  |           | 0.18 | 1.00       | ug/L  |
| 127-18-4       | Tetrachloroethene        | 19.0  |           | 0.25 | 1.00       | ug/L  |

## Report of Analysis

|                    |                 |        |      |                 |              |
|--------------------|-----------------|--------|------|-----------------|--------------|
| Client:            | G Environmental |        |      | Date Collected: |              |
| Project:           | Lawel           |        |      | Date Received:  |              |
| Client Sample ID:  | VX0228WBS01     |        |      | SDG No.:        | Q1462        |
| Lab Sample ID:     | VX0228WBS01     |        |      | Matrix:         | Water        |
| Analytical Method: | SW8260          |        |      | % Solid:        | 0            |
| Sample Wt/Vol:     | 5               | Units: | mL   | Final Vol:      | 5000 uL      |
| Soil Aliquot Vol:  |                 |        | uL   | Test:           | VOCMS Group2 |
| GC Column:         | DB-624UI        | ID :   | 0.18 | Level :         | LOW          |
| Prep Method :      |                 |        |      |                 |              |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
|-------------------|-----------|-----------|----------------|---------------|
| VX045080.D        | 1         |           | 02/28/25 11:46 | VX022825      |

| CAS Number                | Parameter                 | Conc.  | Qualifier | MDL                 | LOQ / CRQL | Units   |
|---------------------------|---------------------------|--------|-----------|---------------------|------------|---------|
| 108-90-7                  | Chlorobenzene             | 19.6   |           | 0.13                | 1.00       | ug/L    |
| 100-41-4                  | Ethyl Benzene             | 19.4   |           | 0.16                | 1.00       | ug/L    |
| 179601-23-1               | m/p-Xylenes               | 40.1   |           | 0.31                | 2.00       | ug/L    |
| 95-47-6                   | o-Xylene                  | 19.7   |           | 0.14                | 1.00       | ug/L    |
| 100-42-5                  | Styrene                   | 20.2   |           | 0.16                | 1.00       | ug/L    |
| 75-25-2                   | Bromoform                 | 18.2   |           | 0.21                | 1.00       | ug/L    |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane | 18.3   |           | 0.27                | 1.00       | ug/L    |
| <b>SURROGATES</b>         |                           |        |           |                     |            |         |
| 17060-07-0                | 1,2-Dichloroethane-d4     | 46.9   |           | 70 (74) - 130 (125) | 94%        | SPK: 50 |
| 1868-53-7                 | Dibromofluoromethane      | 48.2   |           | 70 (75) - 130 (124) | 96%        | SPK: 50 |
| 2037-26-5                 | Toluene-d8                | 50.1   |           | 70 (86) - 130 (113) | 100%       | SPK: 50 |
| 460-00-4                  | 4-Bromofluorobenzene      | 51.0   |           | 70 (77) - 130 (121) | 102%       | SPK: 50 |
| <b>INTERNAL STANDARDS</b> |                           |        |           |                     |            |         |
| 363-72-4                  | Pentafluorobenzene        | 108000 | 5.544     |                     |            |         |
| 540-36-3                  | 1,4-Difluorobenzene       | 193000 | 6.757     |                     |            |         |
| 3114-55-4                 | Chlorobenzene-d5          | 169000 | 10.049    |                     |            |         |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4    | 76500  | 12.018    |                     |            |         |

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

## Report of Analysis

|                    |                            |                 |              |
|--------------------|----------------------------|-----------------|--------------|
| Client:            | G Environmental            | Date Collected: |              |
| Project:           | Lawel                      | Date Received:  |              |
| Client Sample ID:  | VX0228WBSD01               | SDG No.:        | Q1462        |
| Lab Sample ID:     | VX0228WBSD01               | Matrix:         | Water        |
| Analytical Method: | SW8260                     | % Solid:        | 0            |
| Sample Wt/Vol:     | 5      Units:    mL        | Final Vol:      | 5000      uL |
| Soil Aliquot Vol:  | uL                         | Test:           | VOCMS Group2 |
| GC Column:         | DB-624UI      ID :    0.18 | Level :         | LOW          |
| Prep Method :      |                            |                 |              |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX045081.D        | 1         |           | 02/28/25 12:13 | VX022825      |

| CAS Number     | Parameter                | Conc. | Qualifier | MDL  | LOQ / CRQL | Units |
|----------------|--------------------------|-------|-----------|------|------------|-------|
| <b>TARGETS</b> |                          |       |           |      |            |       |
| 74-87-3        | Chloromethane            | 18.6  |           | 0.35 | 1.00       | ug/L  |
| 75-01-4        | Vinyl Chloride           | 18.1  |           | 0.34 | 1.00       | ug/L  |
| 74-83-9        | Bromomethane             | 18.7  |           | 1.40 | 5.00       | ug/L  |
| 75-00-3        | Chloroethane             | 16.0  |           | 0.56 | 1.00       | ug/L  |
| 75-65-0        | Tert butyl alcohol       | 84.8  |           | 5.60 | 25.0       | ug/L  |
| 75-35-4        | 1,1-Dichloroethene       | 18.2  |           | 0.26 | 1.00       | ug/L  |
| 67-64-1        | Acetone                  | 88.6  |           | 1.40 | 5.00       | ug/L  |
| 75-15-0        | Carbon Disulfide         | 17.9  |           | 0.32 | 1.00       | ug/L  |
| 1634-04-4      | Methyl tert-butyl Ether  | 18.6  |           | 0.16 | 1.00       | ug/L  |
| 75-09-2        | Methylene Chloride       | 17.9  |           | 0.32 | 1.00       | ug/L  |
| 156-60-5       | trans-1,2-Dichloroethene | 18.8  |           | 0.25 | 1.00       | ug/L  |
| 75-34-3        | 1,1-Dichloroethane       | 18.0  |           | 0.23 | 1.00       | ug/L  |
| 78-93-3        | 2-Butanone               | 95.9  |           | 1.30 | 5.00       | ug/L  |
| 56-23-5        | Carbon Tetrachloride     | 18.8  |           | 0.25 | 1.00       | ug/L  |
| 156-59-2       | cis-1,2-Dichloroethene   | 18.9  |           | 0.25 | 1.00       | ug/L  |
| 67-66-3        | Chloroform               | 18.5  |           | 0.26 | 1.00       | ug/L  |
| 71-55-6        | 1,1,1-Trichloroethane    | 18.8  |           | 0.19 | 1.00       | ug/L  |
| 71-43-2        | Benzene                  | 19.3  |           | 0.16 | 1.00       | ug/L  |
| 107-06-2       | 1,2-Dichloroethane       | 19.1  |           | 0.24 | 1.00       | ug/L  |
| 79-01-6        | Trichloroethene          | 19.0  |           | 0.32 | 1.00       | ug/L  |
| 78-87-5        | 1,2-Dichloropropane      | 19.0  |           | 0.19 | 1.00       | ug/L  |
| 75-27-4        | Bromodichloromethane     | 19.0  |           | 0.24 | 1.00       | ug/L  |
| 108-10-1       | 4-Methyl-2-Pentanone     | 100   |           | 0.75 | 5.00       | ug/L  |
| 108-88-3       | Toluene                  | 19.9  |           | 0.18 | 1.00       | ug/L  |
| 10061-02-6     | t-1,3-Dichloropropene    | 19.9  |           | 0.21 | 1.00       | ug/L  |
| 10061-01-5     | cis-1,3-Dichloropropene  | 20.2  |           | 0.18 | 1.00       | ug/L  |
| 79-00-5        | 1,1,2-Trichloroethane    | 19.8  |           | 0.21 | 1.00       | ug/L  |
| 591-78-6       | 2-Hexanone               | 100   |           | 1.10 | 5.00       | ug/L  |
| 124-48-1       | Dibromochloromethane     | 19.2  |           | 0.18 | 1.00       | ug/L  |
| 127-18-4       | Tetrachloroethene        | 19.7  |           | 0.25 | 1.00       | ug/L  |

## Report of Analysis

|                    |                            |                 |              |
|--------------------|----------------------------|-----------------|--------------|
| Client:            | G Environmental            | Date Collected: |              |
| Project:           | Lawel                      | Date Received:  |              |
| Client Sample ID:  | VX0228WBSD01               | SDG No.:        | Q1462        |
| Lab Sample ID:     | VX0228WBSD01               | Matrix:         | Water        |
| Analytical Method: | SW8260                     | % Solid:        | 0            |
| Sample Wt/Vol:     | 5      Units:    mL        | Final Vol:      | 5000      uL |
| Soil Aliquot Vol:  | uL                         | Test:           | VOCMS Group2 |
| GC Column:         | DB-624UI      ID :    0.18 | Level :         | LOW          |
| Prep Method :      |                            |                 |              |

|                   |           |           |                |               |
|-------------------|-----------|-----------|----------------|---------------|
| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed  | Prep Batch ID |
| VX045081.D        | 1         |           | 02/28/25 12:13 | VX022825      |

| CAS Number                | Parameter                 | Conc.  | Qualifier | MDL                 | LOQ / CRQL | Units   |
|---------------------------|---------------------------|--------|-----------|---------------------|------------|---------|
| 108-90-7                  | Chlorobenzene             | 19.7   |           | 0.13                | 1.00       | ug/L    |
| 100-41-4                  | Ethyl Benzene             | 19.8   |           | 0.16                | 1.00       | ug/L    |
| 179601-23-1               | m/p-Xylenes               | 41.0   |           | 0.31                | 2.00       | ug/L    |
| 95-47-6                   | o-Xylene                  | 19.8   |           | 0.14                | 1.00       | ug/L    |
| 100-42-5                  | Styrene                   | 20.3   |           | 0.16                | 1.00       | ug/L    |
| 75-25-2                   | Bromoform                 | 18.6   |           | 0.21                | 1.00       | ug/L    |
| 79-34-5                   | 1,1,2,2-Tetrachloroethane | 18.8   |           | 0.27                | 1.00       | ug/L    |
| <b>SURROGATES</b>         |                           |        |           |                     |            |         |
| 17060-07-0                | 1,2-Dichloroethane-d4     | 48.0   |           | 70 (74) - 130 (125) | 96%        | SPK: 50 |
| 1868-53-7                 | Dibromofluoromethane      | 49.6   |           | 70 (75) - 130 (124) | 99%        | SPK: 50 |
| 2037-26-5                 | Toluene-d8                | 50.1   |           | 70 (86) - 130 (113) | 100%       | SPK: 50 |
| 460-00-4                  | 4-Bromofluorobenzene      | 51.6   |           | 70 (77) - 130 (121) | 103%       | SPK: 50 |
| <b>INTERNAL STANDARDS</b> |                           |        |           |                     |            |         |
| 363-72-4                  | Pentafluorobenzene        | 103000 | 5.544     |                     |            |         |
| 540-36-3                  | 1,4-Difluorobenzene       | 183000 | 6.757     |                     |            |         |
| 3114-55-4                 | Chlorobenzene-d5          | 162000 | 10.049    |                     |            |         |
| 3855-82-1                 | 1,4-Dichlorobenzene-d4    | 73400  | 12.018    |                     |            |         |

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

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E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

\* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



# CALIBRATION SUMMARY

### VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1462 SAS No.: Q1462 SDG No.: Q1462

Instrument ID: MSVOA\_X Calibration Date(s): 02/28/2025 02/28/2025

Heated Purge: (Y/N) N Calibration Time(s): 01:27 03:47

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

| LAB FILE ID:             |        |        |                     |        |        |                     |       |       |
|--------------------------|--------|--------|---------------------|--------|--------|---------------------|-------|-------|
| RRF001 = VX045068.D      |        |        | RRF005 = VX045069.D |        |        | RRF020 = VX045070.D |       |       |
| RRF050 = VX045071.D      |        |        | RRF100 = VX045072.D |        |        | RRF150 = VX045073.D |       |       |
| COMPOUND                 | RRF001 | RRF005 | RRF020              | RRF050 | RRF100 | RRF150              | RRF   | % RSD |
| Chloromethane            | 0.755  | 0.821  | 0.828               | 0.753  | 0.721  | 0.744               | 0.770 | 5.7   |
| Vinyl Chloride           | 0.773  | 0.755  | 0.774               | 0.761  | 0.765  | 0.758               | 0.764 | 1     |
| Bromomethane             |        | 0.337  | 0.298               | 0.292  | 0.284  | 0.291               | 0.300 | 7     |
| Chloroethane             | 0.373  | 0.421  | 0.366               | 0.373  | 0.297  | 0.286               | 0.352 | 14.5  |
| Tert butyl alcohol       |        | 0.189  | 0.161               | 0.134  | 0.133  | 0.136               | 0.151 | 16.2  |
| 1,1-Dichloroethene       | 0.609  | 0.620  | 0.612               | 0.623  | 0.620  | 0.603               | 0.614 | 1.3   |
| Acetone                  | 0.414  | 0.363  | 0.384               | 0.351  | 0.345  | 0.356               | 0.369 | 7     |
| Carbon Disulfide         | 1.584  | 1.582  | 1.587               | 1.660  | 1.708  | 1.698               | 1.636 | 3.6   |
| Methyl tert-butyl Ether  | 1.955  | 1.913  | 2.127               | 2.083  | 2.132  | 2.158               | 2.061 | 5     |
| Methylene Chloride       | 0.806  | 0.730  | 0.752               | 0.698  | 0.694  | 0.706               | 0.731 | 5.8   |
| trans-1,2-Dichloroethene | 0.540  | 0.619  | 0.603               | 0.631  | 0.634  | 0.616               | 0.607 | 5.7   |
| 1,1-Dichloroethane       | 1.200  | 1.223  | 1.280               | 1.242  | 1.270  | 1.264               | 1.247 | 2.5   |
| 2-Butanone               | 0.476  | 0.545  | 0.610               | 0.579  | 0.553  | 0.570               | 0.555 | 8.1   |
| Carbon Tetrachloride     | 0.463  | 0.463  | 0.447               | 0.468  | 0.489  | 0.463               | 0.465 | 3     |
| cis-1,2-Dichloroethene   | 0.687  | 0.746  | 0.765               | 0.762  | 0.767  | 0.769               | 0.749 | 4.2   |
| Chloroform               | 1.206  | 1.247  | 1.278               | 1.246  | 1.230  | 1.225               | 1.239 | 2     |
| 1,1,1-Trichloroethane    | 0.908  | 0.992  | 1.009               | 1.024  | 1.044  | 1.025               | 1.000 | 4.8   |
| Benzene                  | 1.321  | 1.459  | 1.491               | 1.496  | 1.497  | 1.424               | 1.448 | 4.7   |
| 1,2-Dichloroethane       | 0.487  | 0.525  | 0.545               | 0.528  | 0.524  | 0.520               | 0.521 | 3.6   |
| Trichloroethene          | 0.319  | 0.351  | 0.339               | 0.341  | 0.354  | 0.336               | 0.340 | 3.7   |
| 1,2-Dichloropropane      | 0.354  | 0.378  | 0.382               | 0.371  | 0.376  | 0.373               | 0.372 | 2.7   |
| Bromodichloromethane     | 0.478  | 0.503  | 0.536               | 0.524  | 0.528  | 0.528               | 0.516 | 4.2   |
| 4-Methyl-2-Pentanone     | 0.535  | 0.570  | 0.647               | 0.610  | 0.579  | 0.579               | 0.587 | 6.5   |
| Toluene                  | 0.716  | 0.872  | 0.892               | 0.898  | 0.874  | 0.845               | 0.849 | 8     |
| t-1,3-Dichloropropene    | 0.304  | 0.389  | 0.436               | 0.469  | 0.490  | 0.502               | 0.431 | 17.3  |
| cis-1,3-Dichloropropene  | 0.404  | 0.463  | 0.509               | 0.535  | 0.555  | 0.553               | 0.503 | 11.8  |
| 1,1,2-Trichloroethane    | 0.346  | 0.348  | 0.371               | 0.356  | 0.341  | 0.336               | 0.350 | 3.6   |
| 2-Hexanone               | 0.349  | 0.412  | 0.476               | 0.448  | 0.431  | 0.436               | 0.425 | 10.1  |
| Dibromochloromethane     | 0.305  | 0.349  | 0.390               | 0.384  | 0.385  | 0.380               | 0.366 | 9     |
| Tetrachloroethene        | 0.315  | 0.326  | 0.319               | 0.324  | 0.329  | 0.309               | 0.320 | 2.3   |

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

### VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01  
 Lab Code: CHEM Case No.: Q1462 SAS No.: Q1462 SDG No.: Q1462  
 Instrument ID: MSVOA\_X Calibration Date(s): 02/28/2025 02/28/2025  
 Heated Purge: (Y/N) N Calibration Time(s): 01:27 03:47  
 GC Column: DB-624UI ID: 0.18 (mm)

| LAB FILE ID:              |        | RRF001 = VX045068.D |        | RRF005 = VX045069.D |        | RRF020 = VX045070.D |       |       |  |
|---------------------------|--------|---------------------|--------|---------------------|--------|---------------------|-------|-------|--|
|                           |        | RRF050 = VX045071.D |        | RRF100 = VX045072.D |        | RRF150 = VX045073.D |       |       |  |
| COMPOUND                  | RRF001 | RRF005              | RRF020 | RRF050              | RRF100 | RRF150              | RRF   | % RSD |  |
| Chlorobenzene             | 0.968  | 1.054               | 1.090  | 1.092               | 1.100  | 1.045               | 1.058 | 4.7   |  |
| Ethyl Benzene             | 1.566  | 1.794               | 1.889  | 1.952               | 1.972  | 1.888               | 1.843 | 8.1   |  |
| m/p-Xylenes               | 0.555  | 0.672               | 0.711  | 0.724               | 0.715  | 0.673               | 0.675 | 9.3   |  |
| o-Xylene                  | 0.609  | 0.689               | 0.702  | 0.706               | 0.707  | 0.670               | 0.681 | 5.5   |  |
| Styrene                   | 0.879  | 1.060               | 1.170  | 1.181               | 1.183  | 1.134               | 1.101 | 10.7  |  |
| Bromoform                 | 0.209  | 0.234               | 0.276  | 0.276               | 0.300  | 0.300               | 0.266 | 13.9  |  |
| 1,1,2,2-Tetrachloroethane | 1.395  | 1.479               | 1.513  | 1.419               | 1.391  | 1.396               | 1.432 | 3.6   |  |
| 1,2-Dichloroethane-d4     |        | 0.836               | 0.784  | 0.757               | 0.783  | 0.817               | 0.795 | 3.9   |  |
| Dibromofluoromethane      |        | 0.329               | 0.335  | 0.329               | 0.340  | 0.338               | 0.334 | 1.5   |  |
| Toluene-d8                |        | 1.237               | 1.191  | 1.210               | 1.219  | 1.203               | 1.212 | 1.4   |  |
| 4-Bromofluorobenzene      |        | 0.383               | 0.393  | 0.402               | 0.410  | 0.421               | 0.402 | 3.7   |  |

\* 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.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1462 SAS No.: Q1462 SDG No.: Q1462

Instrument ID: MSVOA\_X Calibration Date/Time: 02/28/2025 10:32

Lab File ID: VX045077.D Init. Calib. Date(s): 02/28/2025 02/28/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 01:27 03:47

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

| COMPOUND                  | RRF   | RRF050 | MIN RRF | %D     | MAX%D |
|---------------------------|-------|--------|---------|--------|-------|
| Chloromethane             | 0.770 | 0.741  | 0.1     | -3.77  | 20    |
| Vinyl Chloride            | 0.764 | 0.729  |         | -4.58  | 20    |
| Bromomethane              | 0.300 | 0.282  |         | -6     | 20    |
| Chloroethane              | 0.352 | 0.283  |         | -19.6  | 20    |
| Tert butyl alcohol        | 0.151 | 0.127  |         | -15.89 | 20    |
| 1,1-Dichloroethene        | 0.614 | 0.584  |         | -4.89  | 20    |
| Acetone                   | 0.369 | 0.312  |         | -15.45 | 20    |
| Carbon Disulfide          | 1.636 | 1.571  |         | -3.97  | 20    |
| Methyl tert-butyl Ether   | 2.061 | 1.935  |         | -6.11  | 20    |
| Methylene Chloride        | 0.731 | 0.667  |         | -8.76  | 20    |
| trans-1,2-Dichloroethene  | 0.607 | 0.586  |         | -3.46  | 20    |
| 1,1-Dichloroethane        | 1.247 | 1.167  | 0.1     | -6.41  | 20    |
| 2-Butanone                | 0.555 | 0.512  |         | -7.75  | 20    |
| Carbon Tetrachloride      | 0.465 | 0.459  |         | -1.29  | 20    |
| cis-1,2-Dichloroethene    | 0.749 | 0.712  |         | -4.94  | 20    |
| Chloroform                | 1.239 | 1.140  |         | -7.99  | 20    |
| 1,1,1-Trichloroethane     | 1.000 | 0.948  |         | -5.2   | 20    |
| Benzene                   | 1.448 | 1.433  |         | -1.04  | 20    |
| 1,2-Dichloroethane        | 0.521 | 0.494  |         | -5.18  | 20    |
| Trichloroethene           | 0.340 | 0.328  |         | -3.53  | 20    |
| 1,2-Dichloropropane       | 0.372 | 0.358  |         | -3.76  | 20    |
| Bromodichloromethane      | 0.516 | 0.508  |         | -1.55  | 20    |
| 4-Methyl-2-Pentanone      | 0.587 | 0.565  |         | -3.75  | 20    |
| Toluene                   | 0.849 | 0.870  |         | 2.47   | 20    |
| t-1,3-Dichloropropene     | 0.431 | 0.483  |         | 12.06  | 20    |
| cis-1,3-Dichloropropene   | 0.503 | 0.551  |         | 9.54   | 20    |
| 1,1,2-Trichloroethane     | 0.350 | 0.330  |         | -5.71  | 20    |
| 2-Hexanone                | 0.425 | 0.411  |         | -3.29  | 20    |
| Dibromochloromethane      | 0.366 | 0.367  |         | 0.27   | 20    |
| Tetrachloroethene         | 0.320 | 0.319  |         | -0.31  | 20    |
| Chlorobenzene             | 1.058 | 1.039  | 0.3     | -1.8   | 20    |
| Ethyl Benzene             | 1.843 | 1.879  |         | 1.95   | 20    |
| m/p-Xylenes               | 0.675 | 0.694  |         | 2.82   | 20    |
| o-Xylene                  | 0.681 | 0.685  |         | 0.59   | 20    |
| Styrene                   | 1.101 | 1.143  |         | 3.82   | 20    |
| Bromoform                 | 0.266 | 0.268  | 0.1     | 0.75   | 20    |
| 1,1,2,2-Tetrachloroethane | 1.432 | 1.334  | 0.3     | -6.84  | 20    |
| 1,2-Dichloroethane-d4     | 0.795 | 0.733  |         | -7.8   | 20    |

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1462 SAS No.: Q1462 SDG No.: Q1462

Instrument ID: MSVOA\_X Calibration Date/Time: 02/28/2025 10:32

Lab File ID: VX045077.D Init. Calib. Date(s): 02/28/2025 02/28/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 01:27 03:47

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

| COMPOUND             | RRF   | RRF050 | MIN<br>RRF | %D    | MAX%D |
|----------------------|-------|--------|------------|-------|-------|
| Dibromofluoromethane | 0.334 | 0.331  |            | -0.9  | 20    |
| Toluene-d8           | 1.212 | 1.209  |            | -0.25 | 20    |
| 4-Bromofluorobenzene | 0.402 | 0.404  |            | 0.5   | 20    |

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



# SAMPLE RAW DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX022825\  
 Data File : VX045096.D  
 Acq On : 28 Feb 2025 18:04  
 Operator : JC/MD  
 Sample : Q1462-01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 21 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 MW2

Quant Time: Feb 28 23:11:33 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X022825W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 28 06:45:16 2025  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : John Carlone 03/03/2025  
 Supervised By : Mahesh Dadoda 03/03/2025

| Compound                    | R.T.           | QIon | Response            | Conc    | Units  | Dev(Min) |
|-----------------------------|----------------|------|---------------------|---------|--------|----------|
| -----                       |                |      |                     |         |        |          |
| Internal Standards          |                |      |                     |         |        |          |
| 1) Pentafluorobenzene       | 5.550          | 168  | 67549               | 50.000  | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.757          | 114  | 129283              | 50.000  | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 10.049         | 117  | 120205              | 50.000  | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.018         | 152  | 53843               | 50.000  | ug/l   | 0.00     |
| System Monitoring Compounds |                |      |                     |         |        |          |
| 33) 1,2-Dichloroethane-d4   | 5.946          | 65   | 53449               | 49.745  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 74 - 125 |      | Recovery = 99.480%  |         |        |          |
| 35) Dibromofluoromethane    | 5.385          | 113  | 45091               | 52.160  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 75 - 124 |      | Recovery = 104.320% |         |        |          |
| 50) Toluene-d8              | 8.647          | 98   | 158977              | 50.726  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 86 - 113 |      | Recovery = 101.460% |         |        |          |
| 62) 4-Bromofluorobenzene    | 11.079         | 95   | 58965               | 56.777  | ug/l   | 0.00     |
| Spiked Amount 50.000        | Range 77 - 121 |      | Recovery = 113.560% |         |        |          |
| Target Compounds            |                |      |                     |         |        |          |
|                             |                |      |                     |         | Qvalue |          |
| 31) Cyclohexane             | 5.465          | 56   | 73222               | 50.089  | ug/l   | 96       |
| 39) Methylcyclohexane       | 7.373          | 83   | 79287               | 55.814  | ug/l   | 91       |
| 40) Benzene                 | 6.038          | 78   | 5424                | 1.449   | ug/l   | 90       |
| 52) Toluene                 | 8.720          | 92   | 3152                | 1.435   | ug/l   | 100      |
| 67) Ethyl Benzene           | 10.195         | 91   | 14198               | 3.204   | ug/l   | 91       |
| 68) m/p-Xylenes             | 10.305         | 106  | 6398                | 3.944   | ug/l   | 99       |
| 69) o-Xylene                | 10.640         | 106  | 6434                | 3.932   | ug/l   | 96       |
| 73) Isopropylbenzene        | 10.964         | 105  | 100492              | 23.912  | ug/l   | 98       |
| 78) n-propylbenzene         | 11.299         | 91   | 494860              | 104.238 | ug/l   | 98       |
| 80) 1,3,5-Trimethylbenzene  | 11.451         | 105  | 387454              | 114.020 | ug/l   | 100      |
| 84) 1,2,4-Trimethylbenzene  | 11.750         | 105  | 1375816             | 402.383 | ug/l   | 99       |
| 85) sec-Butylbenzene        | 11.890         | 105  | 45438               | 10.864  | ug/l   | 94       |
| 86) p-Isopropyltoluene      | 12.006         | 119  | 18332m              | 5.424   | ug/l   |          |
| 89) n-Butylbenzene          | 12.329         | 91   | 101856              | 34.989  | ug/l # | 38       |
| 95) Naphthalene             | 13.774         | 128  | 12131               | 3.125   | ug/l # | 86       |
| -----                       |                |      |                     |         |        |          |

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

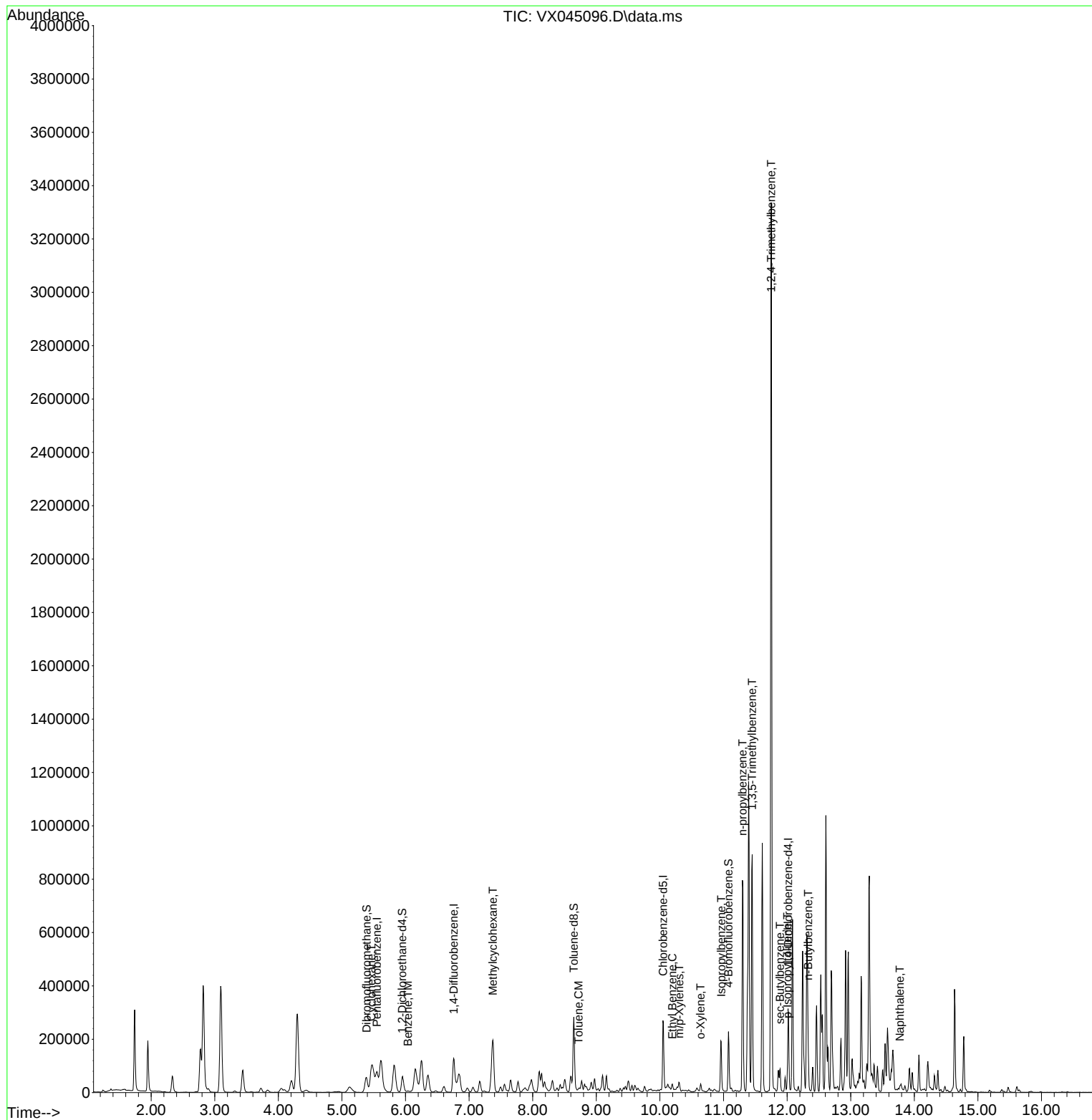
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Data File : VX045096.D  
Acq On : 28 Feb 2025 18:04  
Operator : JC/MD  
Sample : Q1462-01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 21 Sample Multiplier: 1

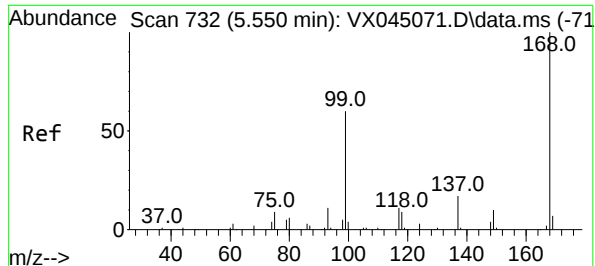
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW2

Manual Integrations  
APPROVED

Reviewed By : John Carlone 03/03/2025  
Supervised By : Mahesh Dadoda 03/03/2025

Quant Time: Feb 28 23:11:33 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X022825W.M  
Quant Title : SW846 8260  
QLast Update : Fri Feb 28 06:45:16 2025  
Response via : Initial Calibration





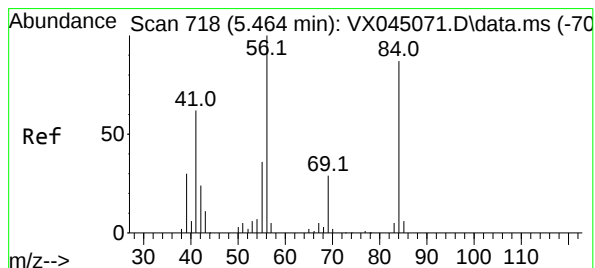
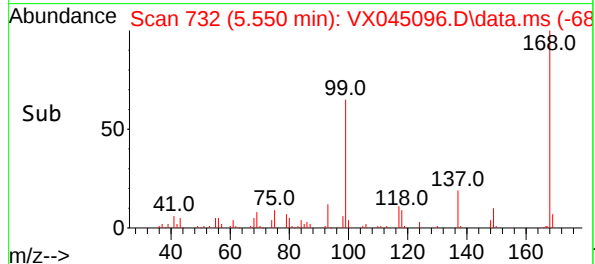
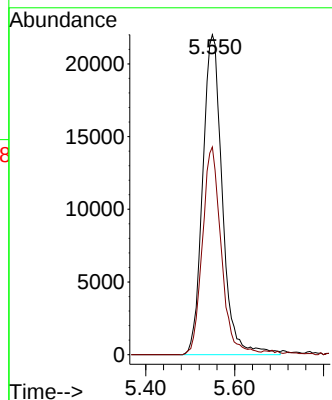
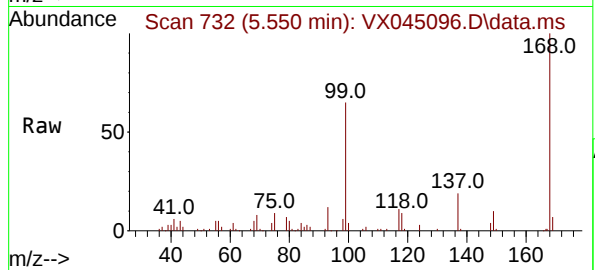
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Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 718  
Delta R.T. -0.000 min  
Lab File: VX045096.D  
Acq: 28 Feb 2025 18:04

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW2

Tgt Ion:168 Resp: 67549  
Ion Ratio Lower Upper  
168 100  
99 64.9 48.2 72.4

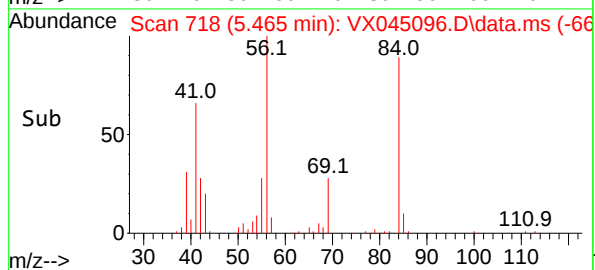
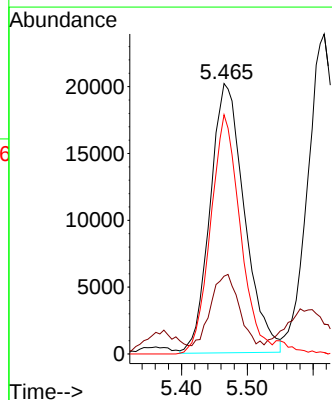
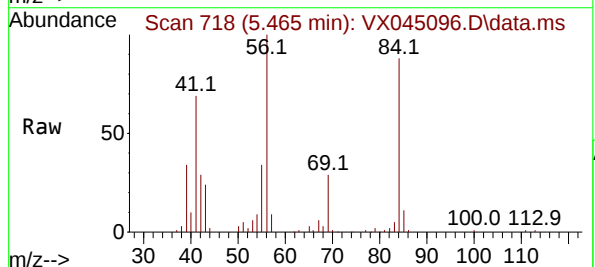
Manual Integrations  
APPROVED

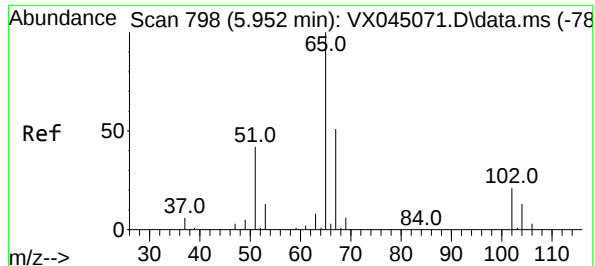
Reviewed By :John Carlone 03/03/2025  
Supervised By :Mahesh Dadoda 03/03/2025



#31  
Cyclohexane  
Concen: 50.089 ug/l  
RT: 5.465 min Scan# 718  
Delta R.T. 0.000 min  
Lab File: VX045096.D  
Acq: 28 Feb 2025 18:04

Tgt Ion: 56 Resp: 73222  
Ion Ratio Lower Upper  
56 100  
69 24.2 23.4 35.2  
84 89.2 69.4 104.2





#33

1,2-Dichloroethane-d4

Concen: 49.745 ug/l

RT: 5.946 min Scan# 798

Delta R.T. -0.006 min

Lab File: VX045096.D

Acq: 28 Feb 2025 18:04

Instrument :

MSVOA\_X

ClientSampleId :

MW2

Tgt Ion: 65 Resp: 53449

Ion Ratio Lower Upper

65 100

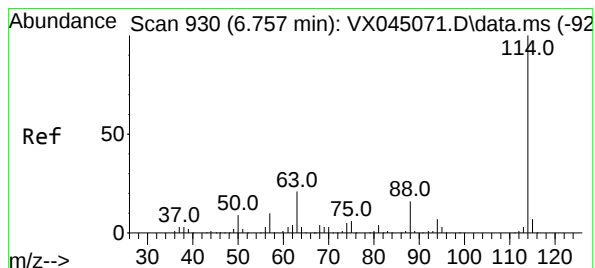
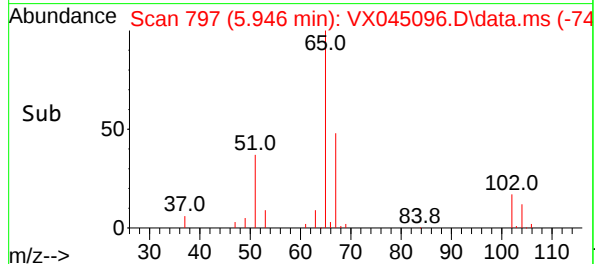
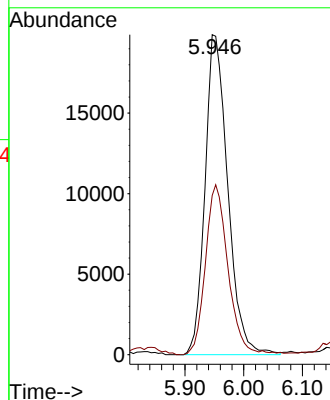
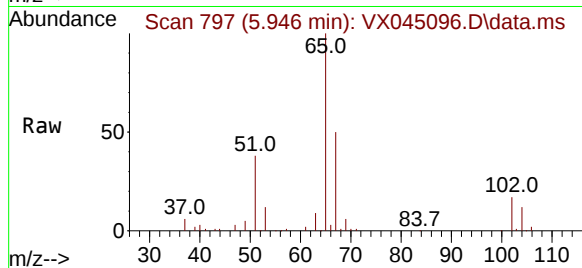
67 52.9 0.0 106.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/03/2025

Supervised By :Mahesh Dadoda 03/03/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. 0.000 min

Lab File: VX045096.D

Acq: 28 Feb 2025 18:04

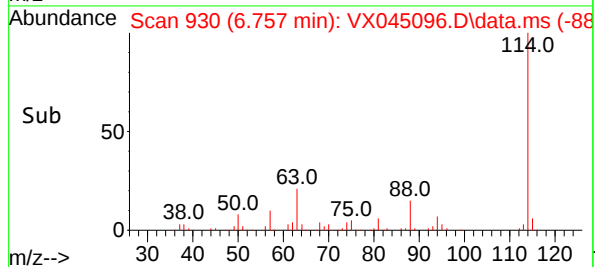
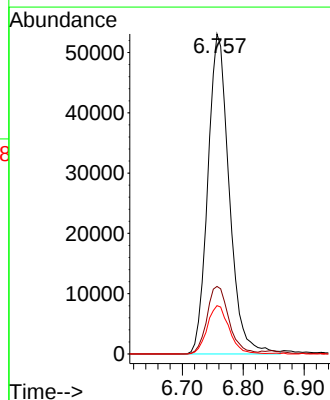
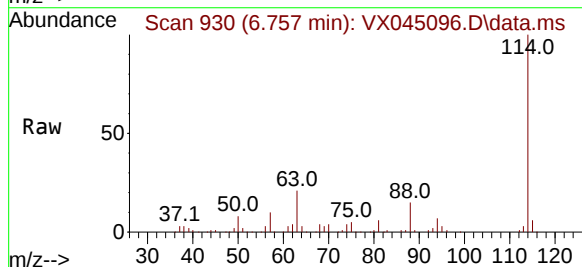
Tgt Ion:114 Resp: 129283

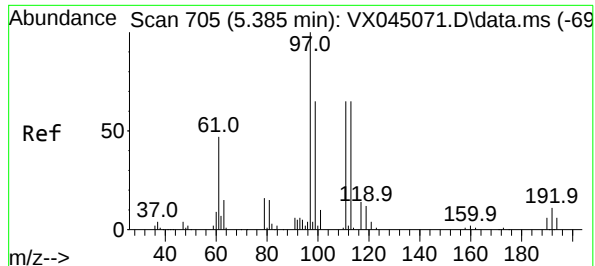
Ion Ratio Lower Upper

114 100

63 21.1 0.0 41.8

88 15.1 0.0 32.8





#35

Dibromofluoromethane

Concen: 52.160 ug/l

RT: 5.385 min Scan# 705

Delta R.T. 0.000 min

Lab File: VX045096.D

Acq: 28 Feb 2025 18:04

Instrument :

MSVOA\_X

ClientSampleId :

MW2

Tgt Ion:113 Resp: 4509

Ion Ratio Lower Upper

113 100

111 100.2 81.8 122.6

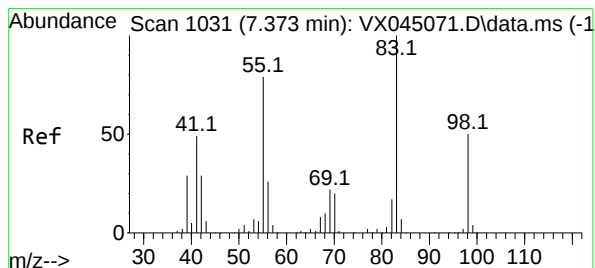
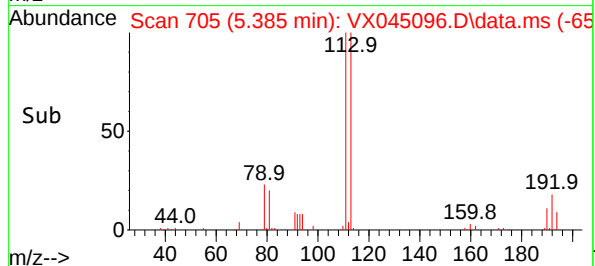
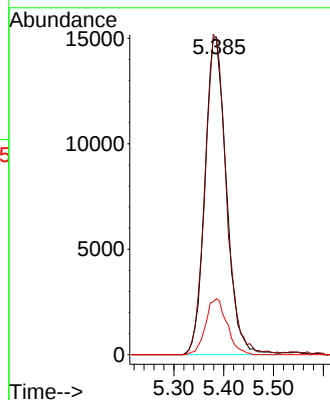
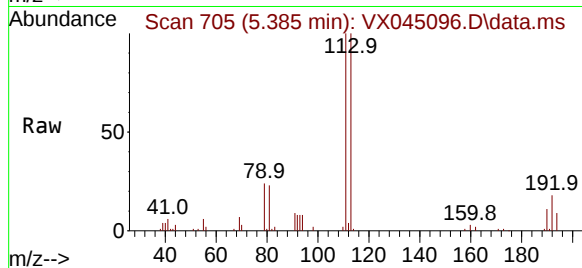
192 17.6 14.3 21.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/03/2025

Supervised By :Mahesh Dadoda 03/03/2025



#39

Methylcyclohexane

Concen: 55.814 ug/l

RT: 7.373 min Scan# 1031

Delta R.T. 0.000 min

Lab File: VX045096.D

Acq: 28 Feb 2025 18:04

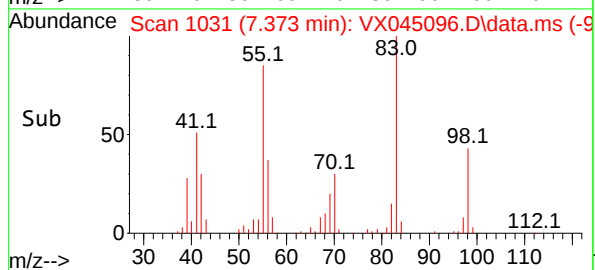
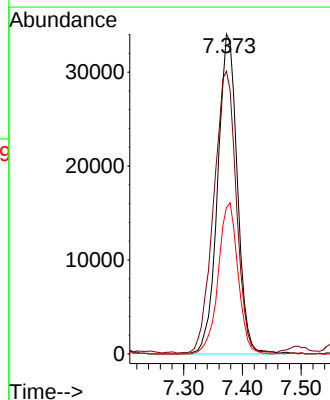
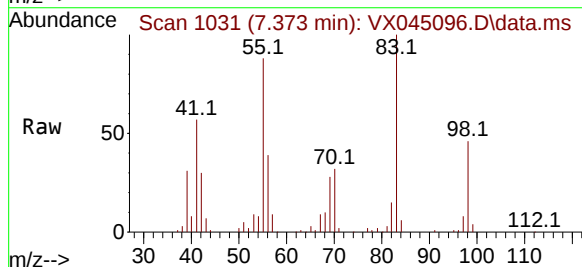
Tgt Ion: 83 Resp: 79287

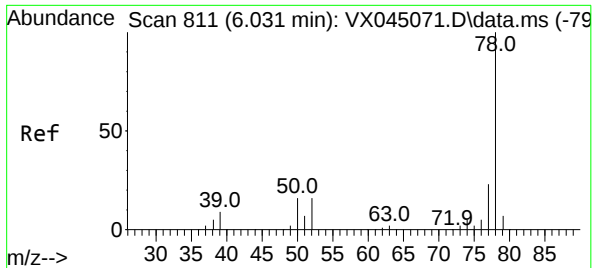
Ion Ratio Lower Upper

83 100

55 88.0 63.0 94.4

98 45.8 39.7 59.5





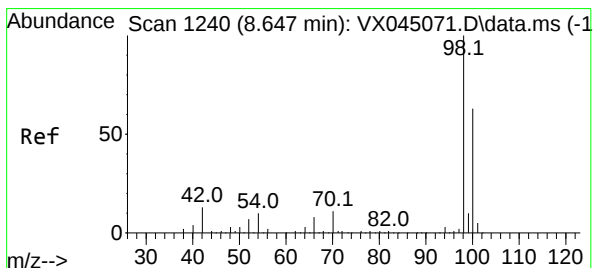
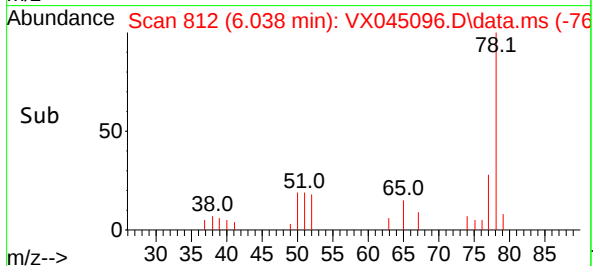
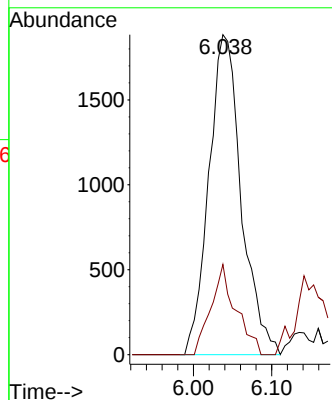
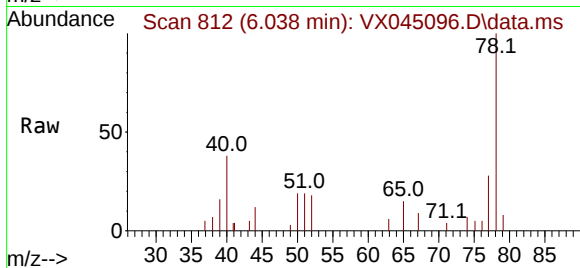
#40  
Benzene  
Concen: 1.449 ug/l  
RT: 6.038 min Scan# 811  
Delta R.T. 0.006 min  
Lab File: VX045096.D  
Acq: 28 Feb 2025 18:04

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW2

Tgt Ion: 78 Resp: 5424  
Ion Ratio Lower Upper  
78 100  
77 28.2 18.8 28.2

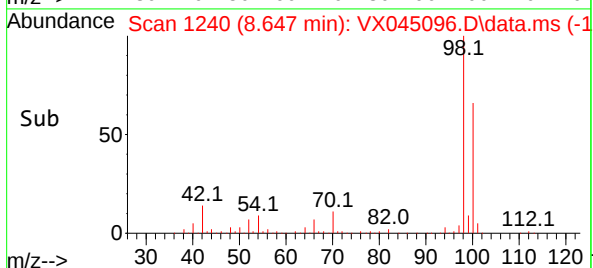
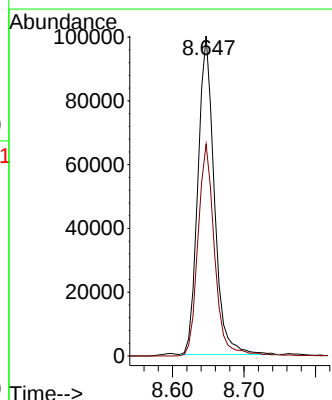
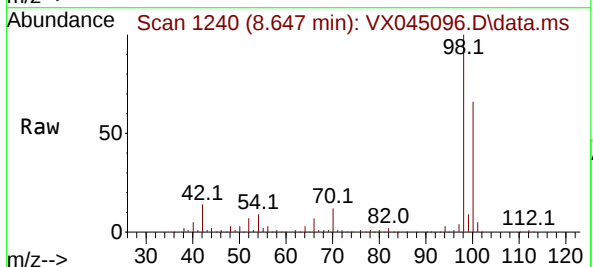
Manual Integrations  
APPROVED

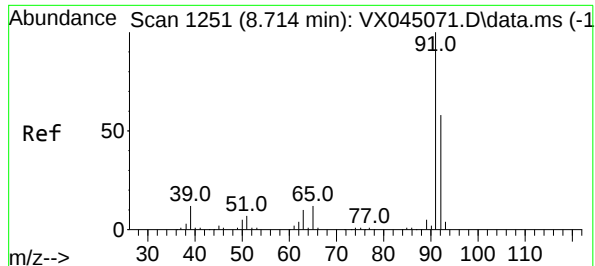
Reviewed By :John Carlone 03/03/2025  
Supervised By :Mahesh Dadoda 03/03/2025



#50  
Toluene-d8  
Concen: 50.726 ug/l  
RT: 8.647 min Scan# 1240  
Delta R.T. 0.000 min  
Lab File: VX045096.D  
Acq: 28 Feb 2025 18:04

Tgt Ion: 98 Resp: 158977  
Ion Ratio Lower Upper  
98 100  
100 67.8 52.0 78.0





#52

Toluene

Concen: 1.435 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. 0.006 min

Lab File: VX045096.D

Acq: 28 Feb 2025 18:04

Instrument :

MSVOA\_X

ClientSampleId :

MW2

Tgt Ion: 92 Resp: 315

Ion Ratio Lower Upper

92 100

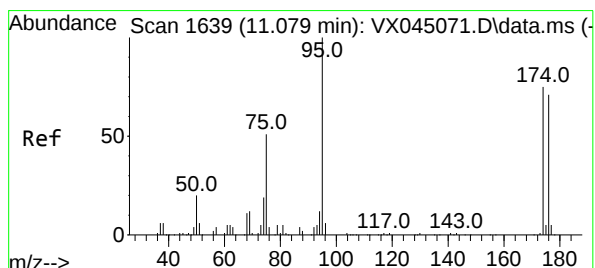
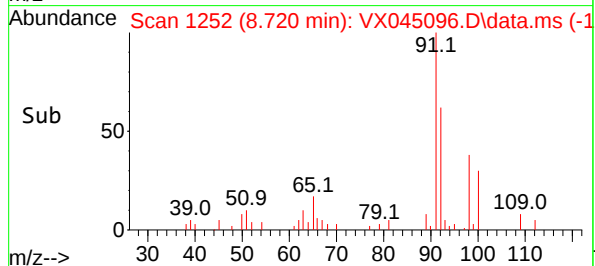
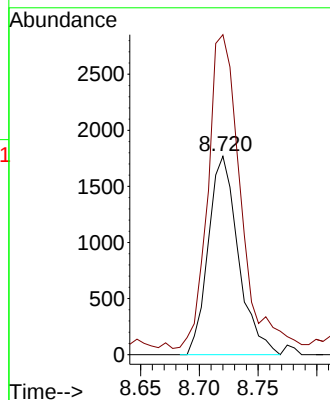
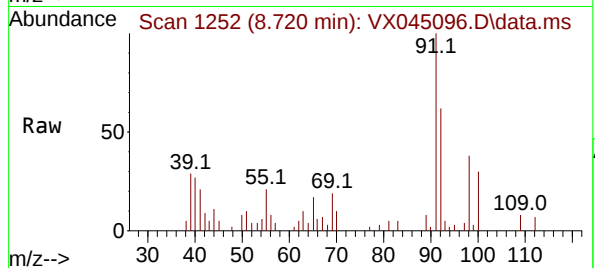
91 173.1 138.9 208.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/03/2025

Supervised By :Mahesh Dadoda 03/03/2025



#62

4-Bromofluorobenzene

Concen: 56.777 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX045096.D

Acq: 28 Feb 2025 18:04

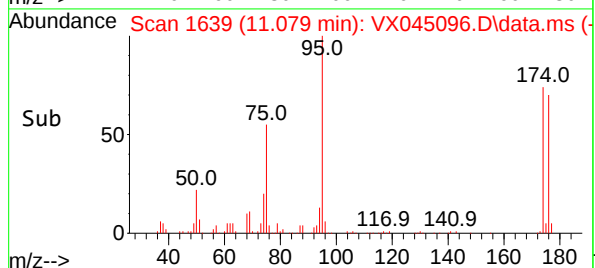
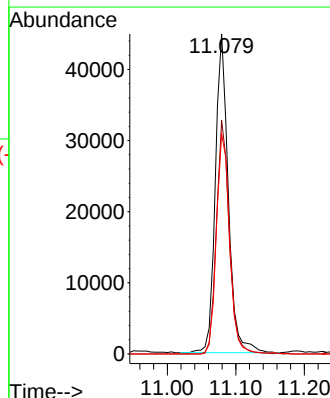
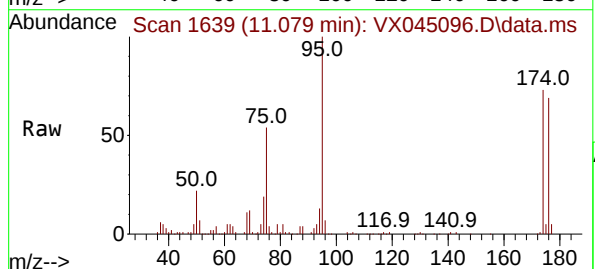
Tgt Ion: 95 Resp: 58965

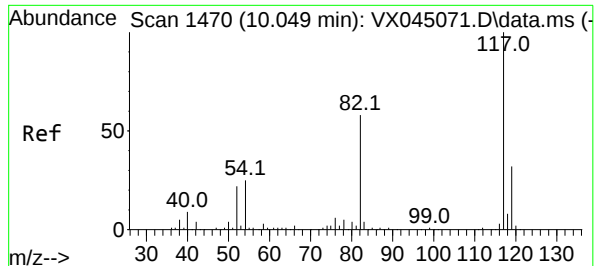
Ion Ratio Lower Upper

95 100

174 72.7 0.0 148.2

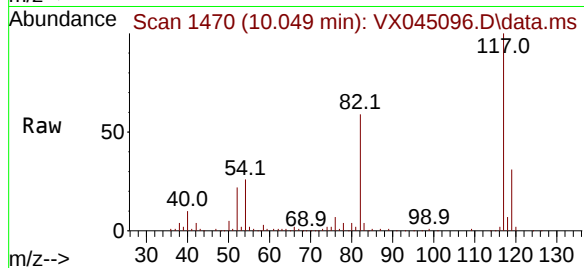
176 70.4 0.0 141.4





#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.049 min Scan# 1470  
Delta R.T. 0.000 min  
Lab File: VX045096.D  
Acq: 28 Feb 2025 18:04

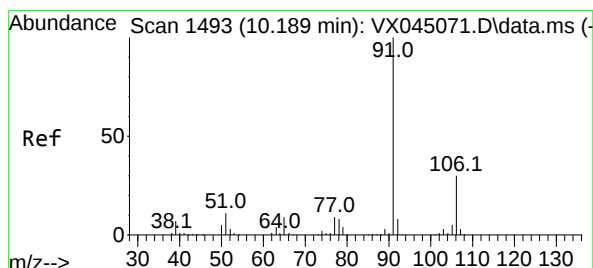
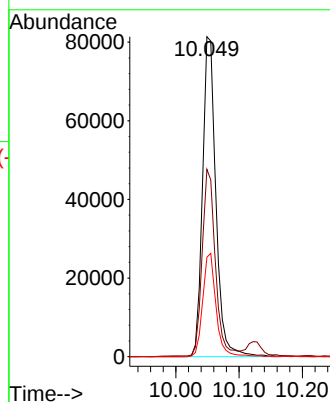
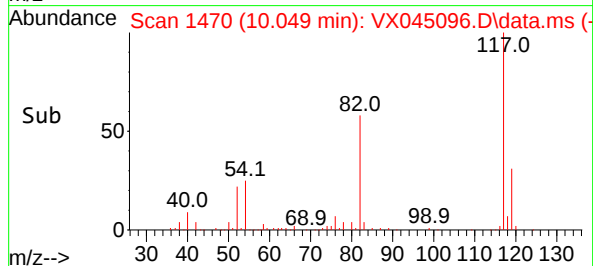
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW2



Tgt Ion: 117 Resp: 12020  
Ion Ratio Lower Upper  
117 100  
82 58.3 46.3 69.5  
119 31.1 25.7 38.5

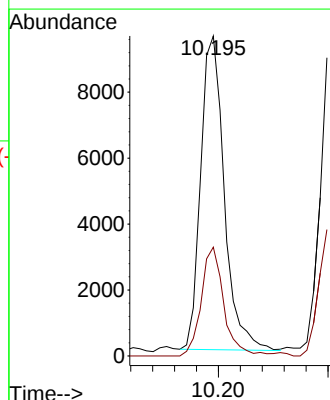
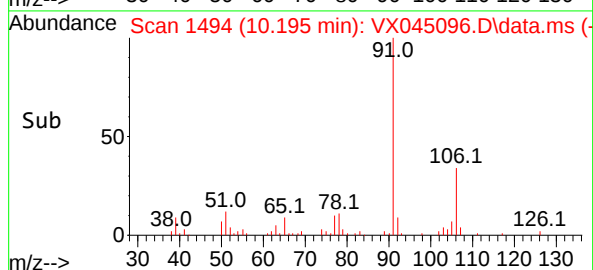
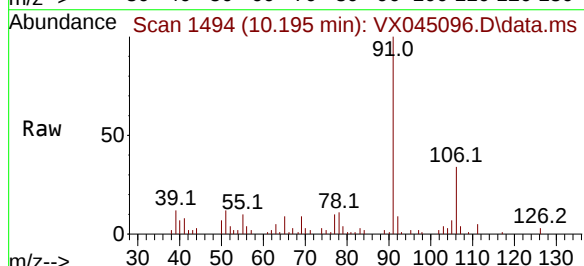
Manual Integrations  
APPROVED

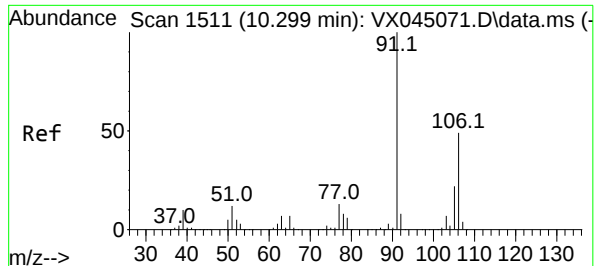
Reviewed By :John Carlone 03/03/2025  
Supervised By :Mahesh Dadoda 03/03/2025



#67  
Ethyl Benzene  
Concen: 3.204 ug/l  
RT: 10.195 min Scan# 1494  
Delta R.T. 0.006 min  
Lab File: VX045096.D  
Acq: 28 Feb 2025 18:04

Tgt Ion: 91 Resp: 14198  
Ion Ratio Lower Upper  
91 100  
106 34.7 23.9 35.9





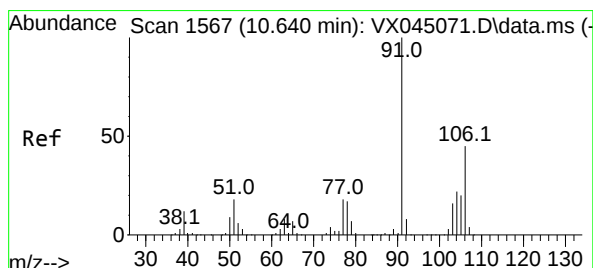
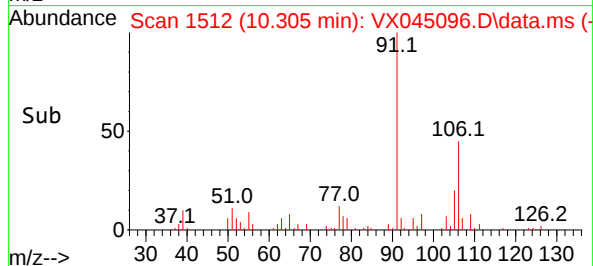
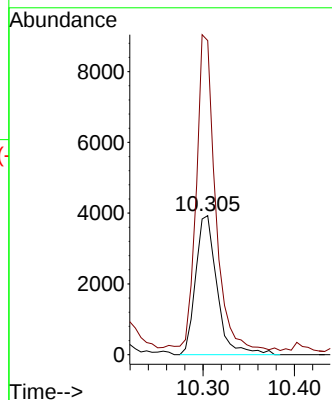
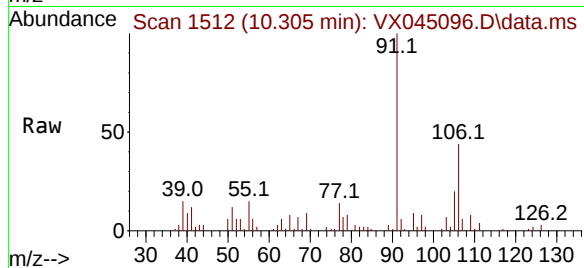
#68  
m/p-Xylenes  
Concen: 3.944 ug/l  
RT: 10.305 min Scan# 1511  
Delta R.T. 0.006 min  
Lab File: VX045096.D  
Acq: 28 Feb 2025 18:04

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW2

Tgt Ion:106 Resp: 6398  
Ion Ratio Lower Upper  
106 100  
91 204.5 165.4 248.0

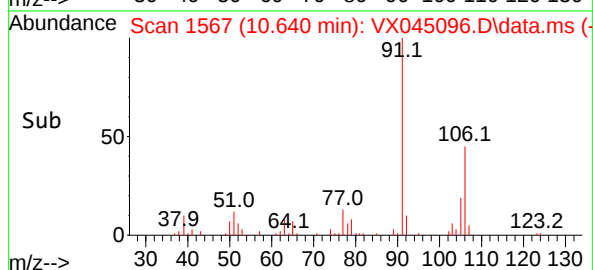
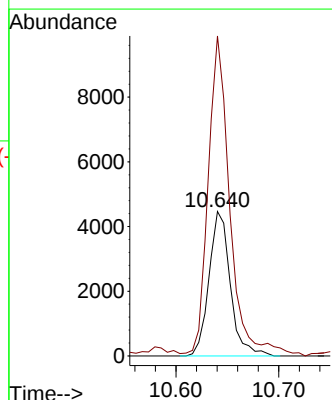
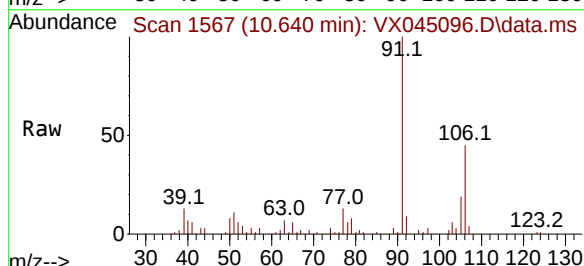
Manual Integrations  
APPROVED

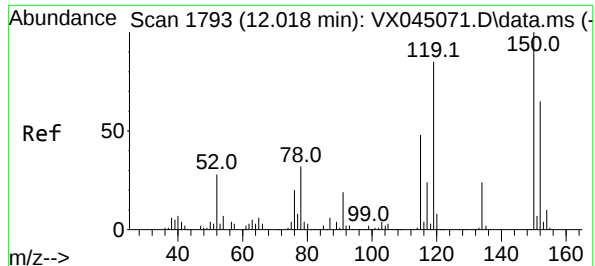
Reviewed By :John Carlone 03/03/2025  
Supervised By :Mahesh Dadoda 03/03/2025



#69  
o-Xylene  
Concen: 3.932 ug/l  
RT: 10.640 min Scan# 1567  
Delta R.T. 0.000 min  
Lab File: VX045096.D  
Acq: 28 Feb 2025 18:04

Tgt Ion:106 Resp: 6434  
Ion Ratio Lower Upper  
106 100  
91 225.8 109.9 329.6





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. 0.000 min

Lab File: VX045096.D

Acq: 28 Feb 2025 18:04

Instrument :

MSVOA\_X

ClientSampleId :

MW2

Tgt Ion:152 Resp: 5384

Ion Ratio Lower Upper

152 100

115 63.5 44.2 132.6

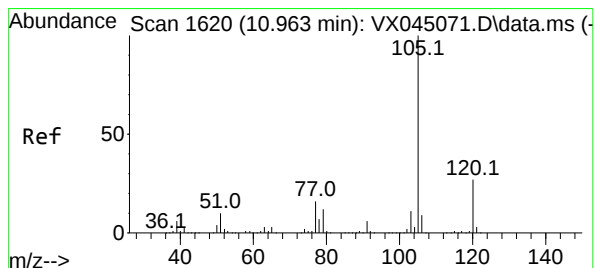
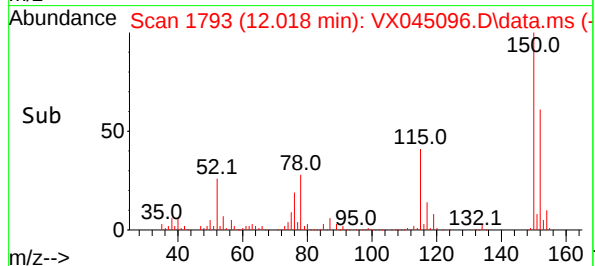
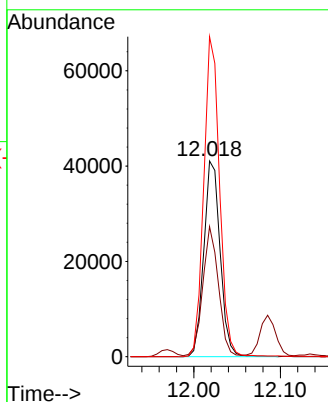
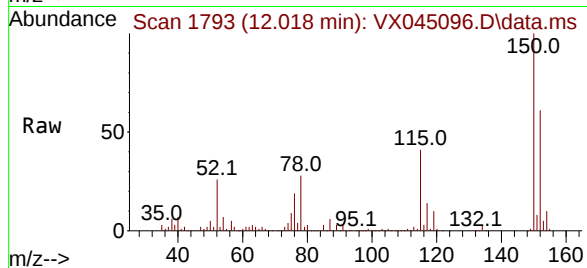
150 158.6 0.0 349.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/03/2025

Supervised By :Mahesh Dadoda 03/03/2025



#73

Isopropylbenzene

Concen: 23.912 ug/l

RT: 10.964 min Scan# 1620

Delta R.T. 0.000 min

Lab File: VX045096.D

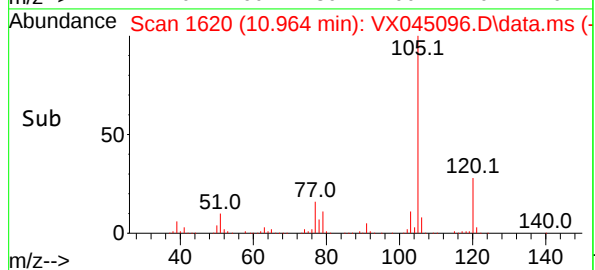
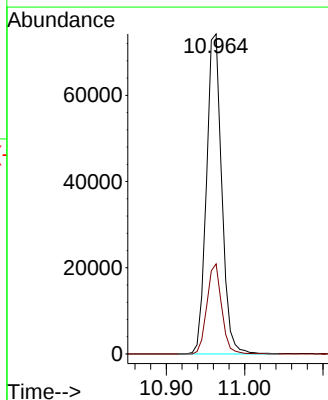
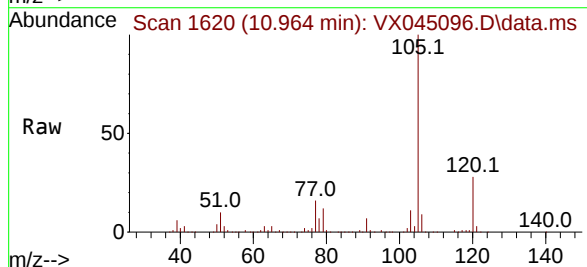
Acq: 28 Feb 2025 18:04

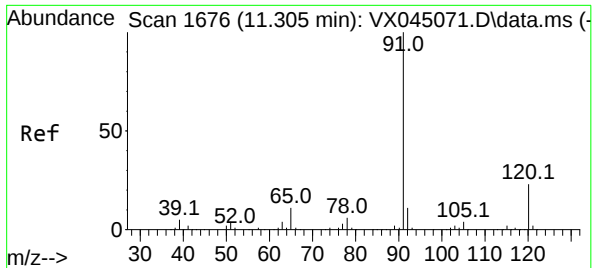
Tgt Ion:105 Resp: 100492

Ion Ratio Lower Upper

105 100

120 27.1 13.2 39.5





#78

n-propylbenzene

Concen: 104.238 ug/l

RT: 11.299 min Scan# 1

Delta R.T. -0.006 min

Lab File: VX045096.D

Acq: 28 Feb 2025 18:04

Instrument :

MSVOA\_X

ClientSampleId :

MW2

Tgt Ion: 91 Resp: 494860

Ion Ratio Lower Upper

91 100

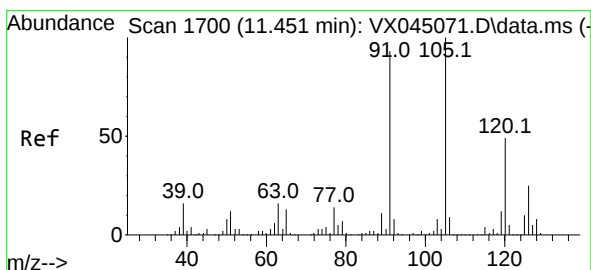
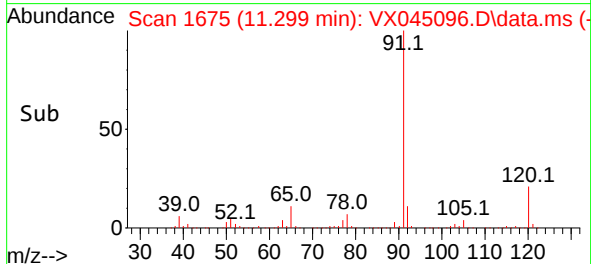
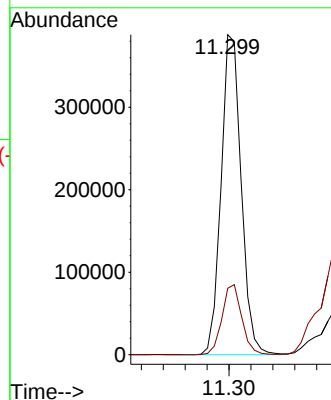
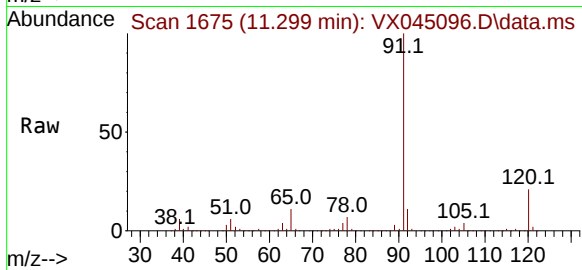
120 21.5 11.2 33.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/03/2025

Supervised By :Mahesh Dadoda 03/03/2025



#80

1,3,5-Trimethylbenzene

Concen: 114.020 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. 0.000 min

Lab File: VX045096.D

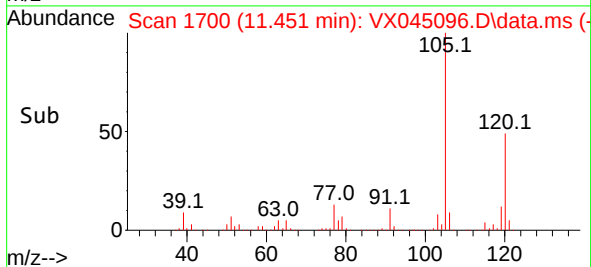
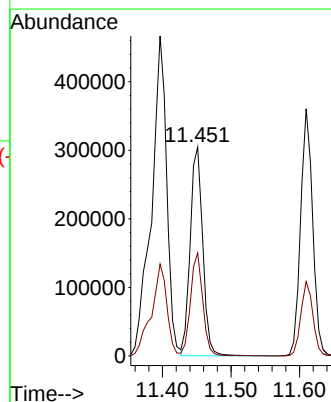
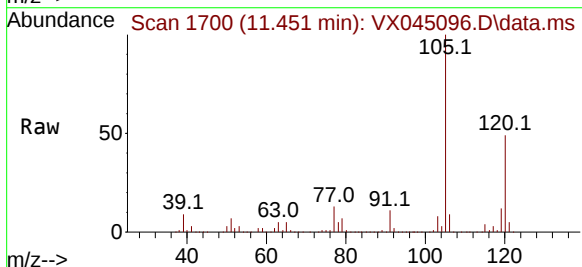
Acq: 28 Feb 2025 18:04

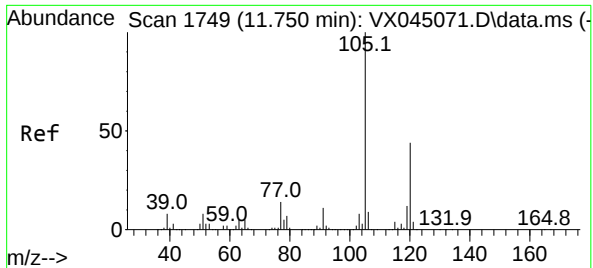
Tgt Ion:105 Resp: 387454

Ion Ratio Lower Upper

105 100

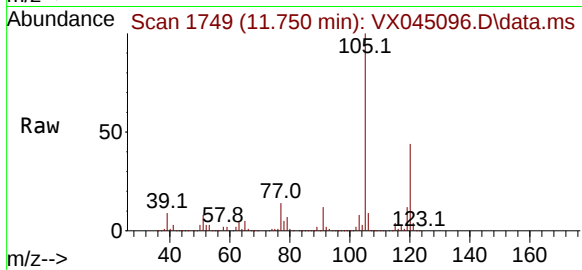
120 47.9 24.1 72.2





#84  
1,2,4-Trimethylbenzene  
Concen: 402.383 ug/l  
RT: 11.750 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VX045096.D  
Acq: 28 Feb 2025 18:04

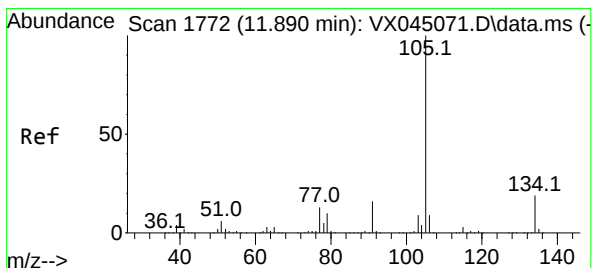
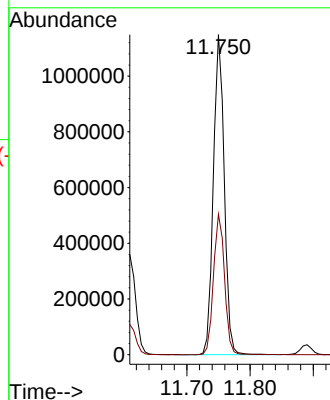
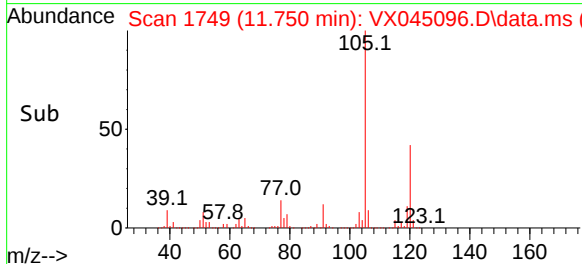
Instrument :  
MSVOA\_X  
ClientSampleId :  
MW2



Tgt Ion:105 Resp: 1375810  
Ion Ratio Lower Upper  
105 100  
120 44.6 22.1 66.1

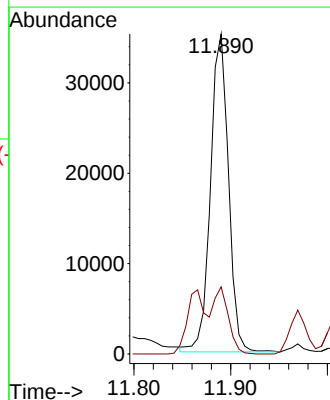
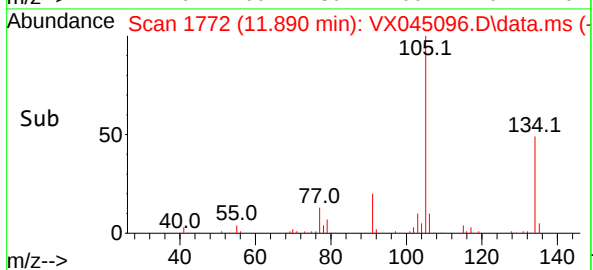
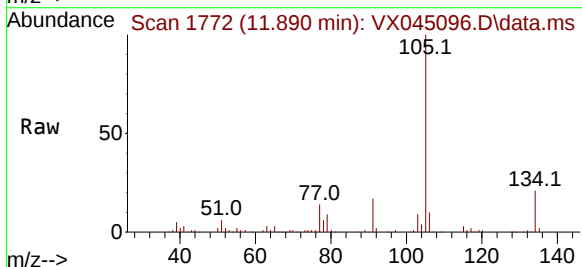
Manual Integrations  
APPROVED

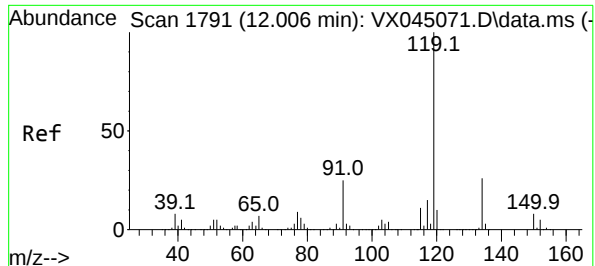
Reviewed By :John Carlone 03/03/2025  
Supervised By :Mahesh Dadoda 03/03/2025



#85  
sec-Butylbenzene  
Concen: 10.864 ug/l  
RT: 11.890 min Scan# 1772  
Delta R.T. 0.000 min  
Lab File: VX045096.D  
Acq: 28 Feb 2025 18:04

Tgt Ion:105 Resp: 45438  
Ion Ratio Lower Upper  
105 100  
134 17.0 9.8 29.4





#86

p-Isopropyltoluene

Concen: 5.424 ug/l m

RT: 12.006 min Scan# 1791

Delta R.T. 0.000 min

Lab File: VX045096.D

Acq: 28 Feb 2025 18:04

Instrument :

MSVOA\_X

ClientSampleId :

MW2

Tgt Ion:119 Resp: 1833

Ion Ratio Lower Upper

119 100

134 31.3 12.9 38.6

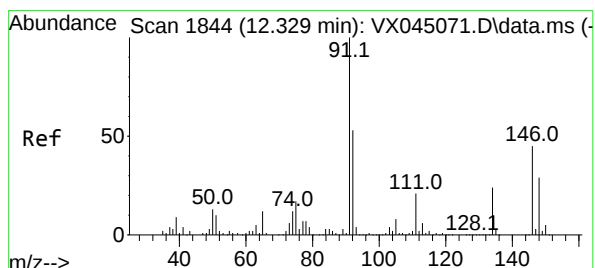
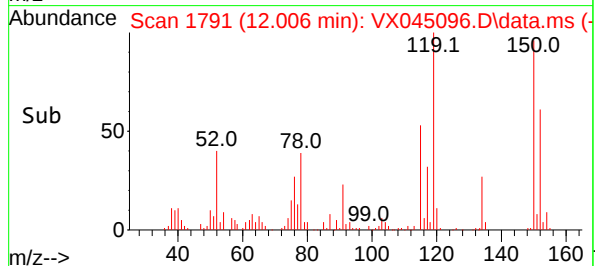
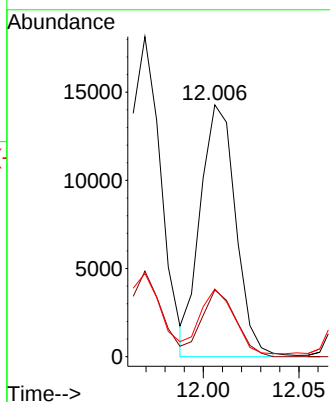
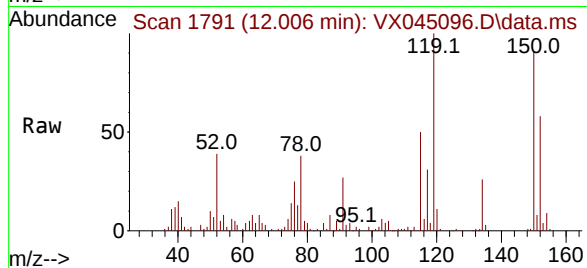
91 31.4 12.7 38.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/03/2025

Supervised By :Mahesh Dadoda 03/03/2025



#89

n-Butylbenzene

Concen: 34.989 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. 0.000 min

Lab File: VX045096.D

Acq: 28 Feb 2025 18:04

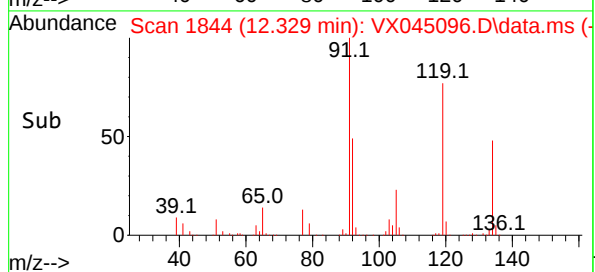
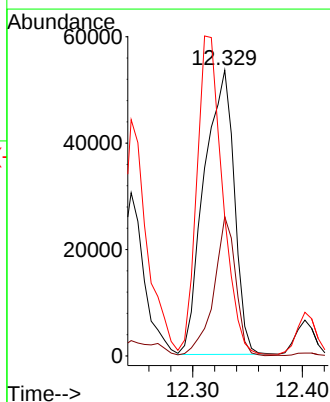
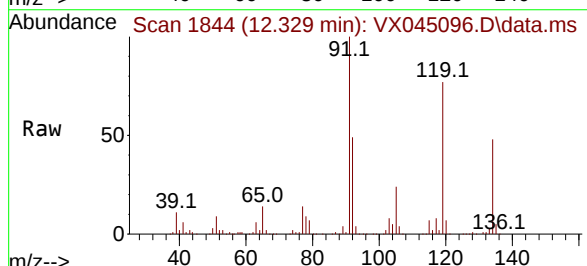
Tgt Ion: 91 Resp: 101856

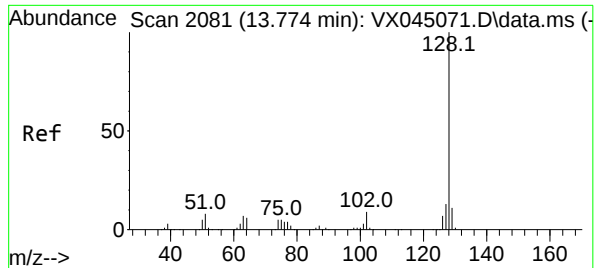
Ion Ratio Lower Upper

91 100

92 35.6 26.7 80.0

134 95.5 12.2 36.6#





#95

Naphthalene

Concen: 3.125 ug/l

RT: 13.774 min Scan# 20

Delta R.T. 0.000 min

Lab File: VX045096.D

Acq: 28 Feb 2025 18:04

Instrument :

MSVOA\_X

ClientSampleId :

MW2

Tgt Ion:128 Resp: 1213

Ion Ratio Lower Upper

128 100

127 19.2 10.3 15.5

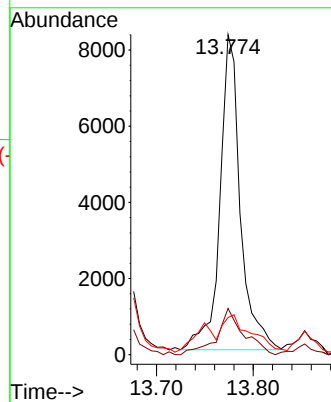
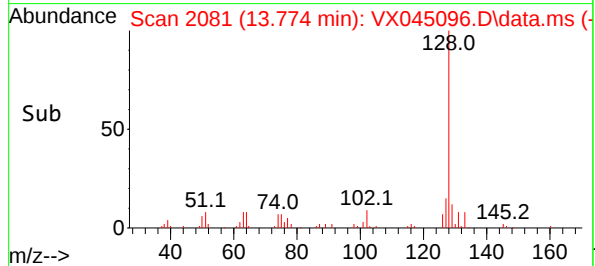
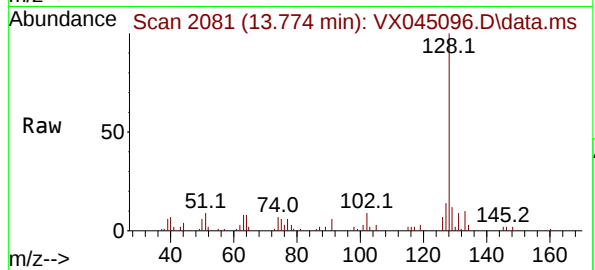
129 15.1 8.7 13.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 03/03/2025

Supervised By :Mahesh Dadoda 03/03/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX022825\  
Data File : VX045096.D  
Acq On : 28 Feb 2025 18:04  
Operator : JC/MD  
Sample : Q1462-01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW2

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\82X022825W.M

Title : SW846 8260

Signal : TIC: VX045096.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         | 1.740       | 102           | 107         | 123          | rVB      | 304295         | 416070        | 10.44%          | 1.280%        |
| 2         | 1.947       | 136           | 141         | 151          | rVB      | 188563         | 259099        | 6.50%           | 0.797%        |
| 3         | 2.331       | 195           | 204         | 216          | rBV      | 60337          | 123829        | 3.11%           | 0.381%        |
| 4         | 2.776       | 269           | 277         | 280          | rBV      | 159857         | 351123        | 8.81%           | 1.080%        |
| 5         | 2.819       | 280           | 284         | 295          | rVB      | 390685         | 779975        | 19.57%          | 2.399%        |
| 6         | 3.093       | 317           | 329         | 344          | rBV      | 398047         | 896924        | 22.51%          | 2.758%        |
| 7         | 3.440       | 377           | 386         | 396          | rBV2     | 82736          | 189663        | 4.76%           | 0.583%        |
| 8         | 4.044       | 474           | 485         | 490          | rBV3     | 14292          | 44201         | 1.11%           | 0.136%        |
| 9         | 4.209       | 501           | 512         | 518          | rBV2     | 40995          | 120880        | 3.03%           | 0.372%        |
| 10        | 4.300       | 518           | 527         | 539          | rVB      | 291269         | 833904        | 20.93%          | 2.565%        |
| 11        | 5.123       | 649           | 662         | 682          | rVB6     | 19960          | 96655         | 2.43%           | 0.297%        |
| 12        | 5.385       | 688           | 705         | 710          | rBV      | 56409          | 172865        | 4.34%           | 0.532%        |
| 13        | 5.471       | 711           | 719         | 727          | rBV3     | 82148          | 307184        | 7.71%           | 0.945%        |
| 14        | 5.611       | 737           | 742         | 761          | rVB2     | 117762         | 393322        | 9.87%           | 1.210%        |
| 15        | 5.818       | 765           | 776         | 790          | rBV3     | 100674         | 320585        | 8.05%           | 0.986%        |
| 16        | 5.952       | 790           | 798         | 810          | rBV      | 57473          | 143580        | 3.60%           | 0.442%        |
| 17        | 6.153       | 817           | 831         | 840          | rBV3     | 85024          | 304774        | 7.65%           | 0.937%        |
| 18        | 6.251       | 840           | 847         | 856          | rVV3     | 116770         | 348740        | 8.75%           | 1.073%        |
| 19        | 6.355       | 856           | 864         | 875          | rVB2     | 63849          | 186403        | 4.68%           | 0.573%        |
| 20        | 6.605       | 895           | 905         | 918          | rBV5     | 21186          | 56169         | 1.41%           | 0.173%        |
| 21        | 6.757       | 921           | 930         | 937          | rBV      | 127217         | 336014        | 8.43%           | 1.033%        |
| 22        | 6.836       | 938           | 943         | 955          | rVV4     | 67035          | 210753        | 5.29%           | 0.648%        |
| 23        | 7.062       | 972           | 980         | 989          | rVB2     | 18044          | 42908         | 1.08%           | 0.132%        |
| 24        | 7.165       | 989           | 997         | 1005         | rBV      | 40356          | 91194         | 2.29%           | 0.280%        |
| 25        | 7.373       | 1019          | 1031        | 1043         | rBV4     | 194747         | 531749        | 13.34%          | 1.635%        |
| 26        | 7.556       | 1056          | 1061        | 1067         | rVV3     | 28338          | 60438         | 1.52%           | 0.186%        |
| 27        | 7.653       | 1071          | 1077        | 1089         | rVB2     | 44153          | 93336         | 2.34%           | 0.287%        |
| 28        | 7.769       | 1089          | 1096        | 1103         | rVB2     | 39505          | 78269         | 1.96%           | 0.241%        |
| 29        | 7.879       | 1103          | 1114        | 1121         | rBV8     | 16027          | 56584         | 1.42%           | 0.174%        |
| 30        | 7.982       | 1121          | 1131        | 1143         | rVB4     | 46336          | 145425        | 3.65%           | 0.447%        |
| 31        | 8.104       | 1143          | 1151        | 1154         | rBV      | 77064          | 161989        | 4.07%           | 0.498%        |
| 32        | 8.141       | 1154          | 1157        | 1161         | rVV      | 65338          | 108165        | 2.71%           | 0.333%        |
| 33        | 8.184       | 1161          | 1164        | 1175         | rVB4     | 33635          | 73588         | 1.85%           | 0.226%        |
| 34        | 8.312       | 1175          | 1185        | 1191         | rBV4     | 38269          | 81250         | 2.04%           | 0.250%        |
| 35        | 8.507       | 1212          | 1217        | 1226         | rVB5     | 45999          | 100377        | 2.52%           | 0.309%        |
| 36        | 8.598       | 1226          | 1232        | 1235         | rBV2     | 58569          | 111706        | 2.80%           | 0.344%        |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX022825\  
Data File : VX045096.D  
Acq On : 28 Feb 2025 18:04  
Operator : JC/MD  
Sample : Q1462-01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW2

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\82X022825W.M  
Title : SW846 8260

|    |        |      |      |      |      |         |         |         |         |
|----|--------|------|------|------|------|---------|---------|---------|---------|
| 37 | 8.647  | 1235 | 1240 | 1249 | rVB  | 273499  | 448105  | 11.25%  | 1.378%  |
| 38 | 8.769  | 1256 | 1260 | 1264 | rVB2 | 31797   | 46130   | 1.16%   | 0.142%  |
| 39 | 8.921  | 1277 | 1285 | 1289 | rBV2 | 29334   | 51618   | 1.30%   | 0.159%  |
| 40 | 8.970  | 1289 | 1293 | 1299 | rVB  | 42208   | 67824   | 1.70%   | 0.209%  |
| 41 | 9.098  | 1306 | 1314 | 1319 | rBV  | 58412   | 104356  | 2.62%   | 0.321%  |
| 42 | 9.159  | 1319 | 1324 | 1329 | rBV  | 53685   | 79582   | 2.00%   | 0.245%  |
| 43 | 9.506  | 1376 | 1381 | 1386 | rVB4 | 36093   | 68141   | 1.71%   | 0.210%  |
| 44 | 9.756  | 1416 | 1422 | 1430 | rBV5 | 21042   | 42796   | 1.07%   | 0.132%  |
| 45 | 10.049 | 1465 | 1470 | 1476 | rBV  | 259281  | 364718  | 9.15%   | 1.122%  |
| 46 | 10.299 | 1508 | 1511 | 1517 | rVB2 | 33909   | 54812   | 1.38%   | 0.169%  |
| 47 | 10.640 | 1563 | 1567 | 1581 | rVB  | 29467   | 49953   | 1.25%   | 0.154%  |
| 48 | 10.957 | 1614 | 1619 | 1629 | rBV  | 190072  | 261052  | 6.55%   | 0.803%  |
| 49 | 11.079 | 1634 | 1639 | 1644 | rBV  | 222839  | 287653  | 7.22%   | 0.885%  |
| 50 | 11.299 | 1668 | 1675 | 1683 | rBV  | 791064  | 1005341 | 25.23%  | 3.092%  |
| 51 | 11.396 | 1683 | 1691 | 1696 | rVV  | 1160541 | 1836744 | 46.09%  | 5.649%  |
| 52 | 11.451 | 1696 | 1700 | 1711 | rVB  | 887580  | 1133854 | 28.46%  | 3.487%  |
| 53 | 11.610 | 1721 | 1726 | 1738 | rVB  | 933178  | 1140374 | 28.62%  | 3.507%  |
| 54 | 11.750 | 1744 | 1749 | 1757 | rBV  | 3327533 | 3984705 | 100.00% | 12.255% |
| 55 | 11.866 | 1763 | 1768 | 1770 | rBV  | 77450   | 113978  | 2.86%   | 0.351%  |
| 56 | 11.890 | 1770 | 1772 | 1780 | rVB  | 84846   | 91789   | 2.30%   | 0.282%  |
| 57 | 11.969 | 1780 | 1785 | 1788 | rBV  | 52249   | 63524   | 1.59%   | 0.195%  |
| 58 | 12.018 | 1788 | 1793 | 1799 | rVV2 | 297958  | 400372  | 10.05%  | 1.231%  |
| 59 | 12.085 | 1799 | 1804 | 1815 | rVB  | 643337  | 794694  | 19.94%  | 2.444%  |
| 60 | 12.244 | 1824 | 1830 | 1837 | rBV  | 526989  | 753736  | 18.92%  | 2.318%  |
| 61 | 12.311 | 1837 | 1841 | 1851 | rVB3 | 587741  | 963521  | 24.18%  | 2.963%  |
| 62 | 12.402 | 1851 | 1856 | 1861 | rVB  | 90980   | 110952  | 2.78%   | 0.341%  |
| 63 | 12.463 | 1861 | 1866 | 1872 | rBV2 | 321646  | 420462  | 10.55%  | 1.293%  |
| 64 | 12.530 | 1872 | 1877 | 1879 | rBV  | 437565  | 548822  | 13.77%  | 1.688%  |
| 65 | 12.555 | 1879 | 1881 | 1885 | rVV  | 281104  | 292366  | 7.34%   | 0.899%  |
| 66 | 12.610 | 1885 | 1890 | 1894 | rVV  | 1026307 | 1219947 | 30.62%  | 3.752%  |
| 67 | 12.640 | 1894 | 1895 | 1900 | rVB  | 157584  | 156960  | 3.94%   | 0.483%  |
| 68 | 12.695 | 1900 | 1904 | 1912 | rBV2 | 445474  | 679387  | 17.05%  | 2.089%  |
| 69 | 12.847 | 1924 | 1929 | 1934 | rVB  | 195670  | 245255  | 6.15%   | 0.754%  |
| 70 | 12.920 | 1934 | 1941 | 1944 | rBV  | 524636  | 652564  | 16.38%  | 2.007%  |
| 71 | 12.963 | 1944 | 1948 | 1954 | rVB  | 513076  | 636239  | 15.97%  | 1.957%  |
| 72 | 13.024 | 1954 | 1958 | 1964 | rBV3 | 112624  | 185291  | 4.65%   | 0.570%  |
| 73 | 13.164 | 1978 | 1981 | 1986 | rVB  | 398214  | 468230  | 11.75%  | 1.440%  |
| 74 | 13.256 | 1991 | 1996 | 1998 | rBV  | 93060   | 138335  | 3.47%   | 0.425%  |
| 75 | 13.292 | 1998 | 2002 | 2007 | rVB2 | 748054  | 992395  | 24.91%  | 3.052%  |
| 76 | 13.366 | 2012 | 2014 | 2020 | rVV  | 97024   | 127614  | 3.20%   | 0.392%  |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX022825\  
Data File : VX045096.D  
Acq On : 28 Feb 2025 18:04  
Operator : JC/MD  
Sample : Q1462-01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW2

A  
B  
C  
D  
E  
F  
G  
H  
I  
J

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\82X022825W.M  
Title : SW846 8260

|    |        |      |      |      |      |        |        |        |        |
|----|--------|------|------|------|------|--------|--------|--------|--------|
| 77 | 13.420 | 2020 | 2023 | 2031 | rVB  | 94772  | 122660 | 3.08%  | 0.377% |
| 78 | 13.506 | 2031 | 2037 | 2039 | rBV2 | 80074  | 111506 | 2.80%  | 0.343% |
| 79 | 13.542 | 2039 | 2043 | 2046 | rVV  | 173618 | 247124 | 6.20%  | 0.760% |
| 80 | 13.579 | 2046 | 2049 | 2056 | rVV3 | 232948 | 429012 | 10.77% | 1.319% |
| 81 | 13.664 | 2056 | 2063 | 2069 | rVB2 | 149812 | 342647 | 8.60%  | 1.054% |
| 82 | 13.792 | 2079 | 2084 | 2090 | rVB3 | 21924  | 41881  | 1.05%  | 0.129% |
| 83 | 13.926 | 2099 | 2106 | 2110 | rBV3 | 86769  | 136624 | 3.43%  | 0.420% |
| 84 | 13.969 | 2110 | 2113 | 2117 | rVB  | 63138  | 71939  | 1.81%  | 0.221% |
| 85 | 14.073 | 2125 | 2130 | 2136 | rBV  | 137657 | 171442 | 4.30%  | 0.527% |
| 86 | 14.213 | 2148 | 2153 | 2159 | rBV  | 110239 | 183003 | 4.59%  | 0.563% |
| 87 | 14.317 | 2167 | 2170 | 2175 | rBV  | 54511  | 70281  | 1.76%  | 0.216% |
| 88 | 14.371 | 2175 | 2179 | 2183 | rVB  | 77350  | 93604  | 2.35%  | 0.288% |
| 89 | 14.634 | 2209 | 2222 | 2233 | rBV  | 384780 | 503392 | 12.63% | 1.548% |
| 90 | 14.780 | 2240 | 2246 | 2256 | rVB  | 207324 | 276421 | 6.94%  | 0.850% |

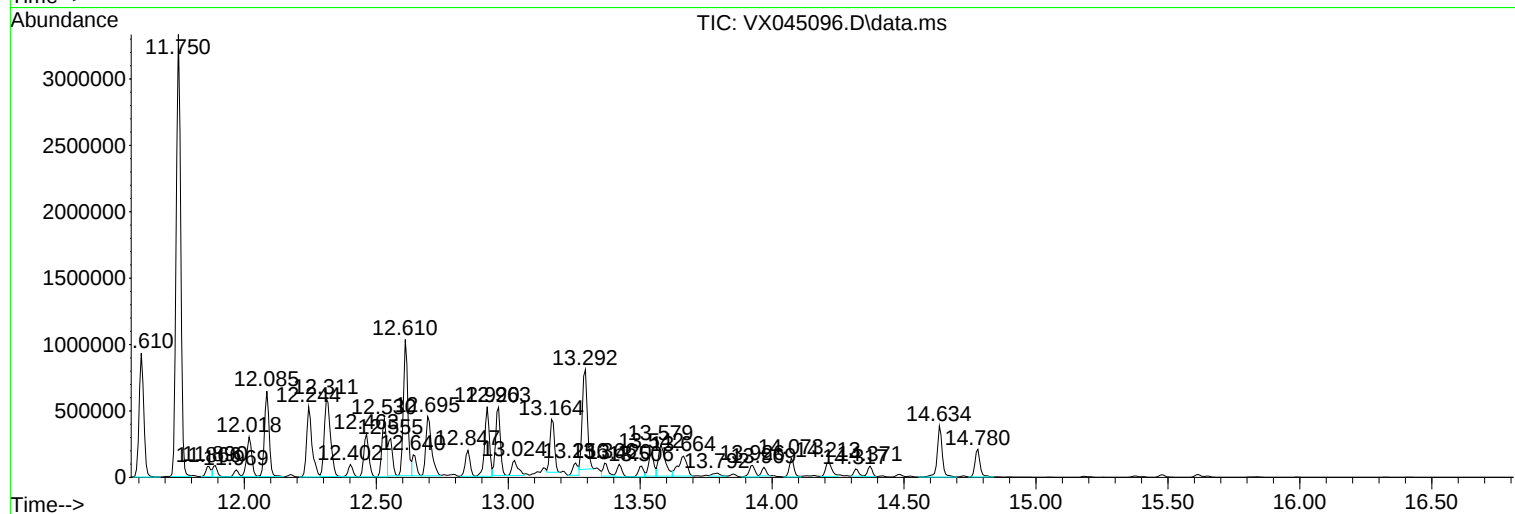
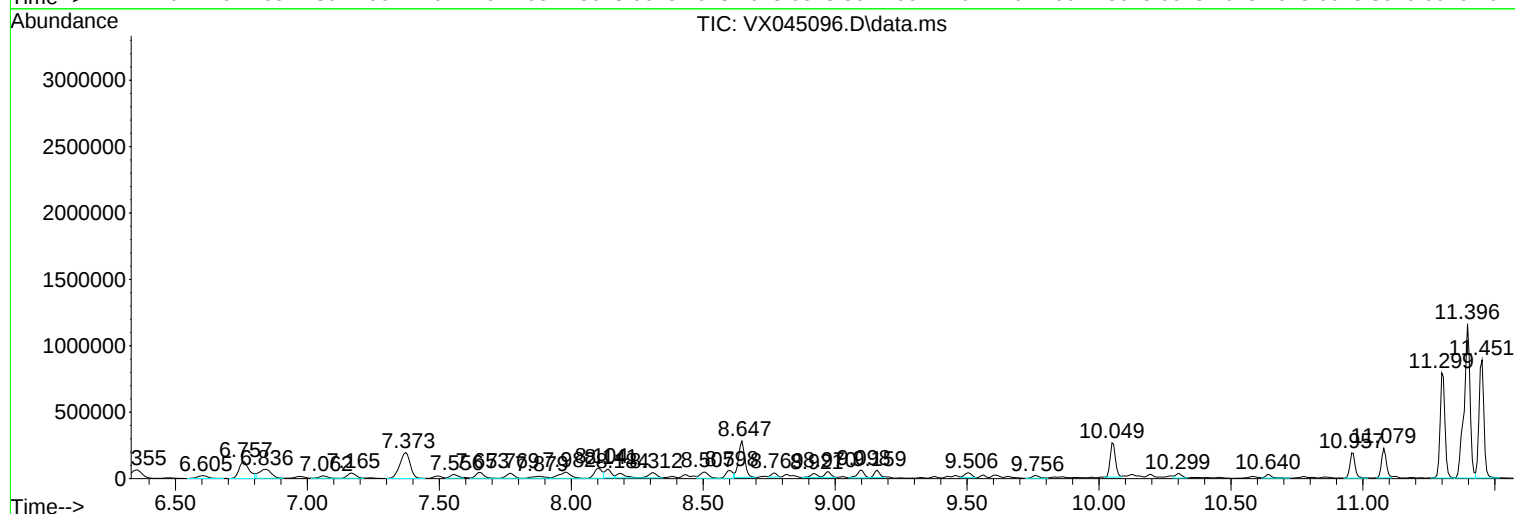
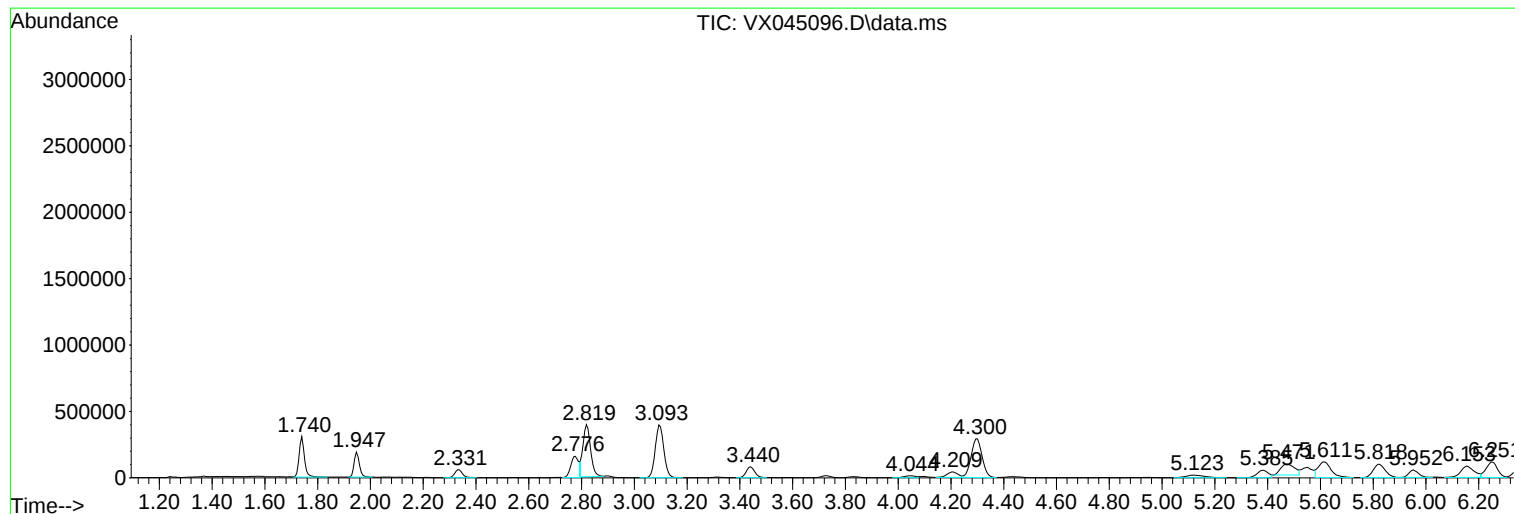
Sum of corrected areas: 32515417

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX022825\  
Data File : VX045096.D  
Acq On : 28 Feb 2025 18:04  
Operator : JC/MD  
Sample : Q1462-01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X022825W.M  
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX022825\  
Data File : VX045096.D  
Acq On : 28 Feb 2025 18:04  
Operator : JC/MD  
Sample : Q1462-01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X022825W.M  
Quant Title : SW846 8260

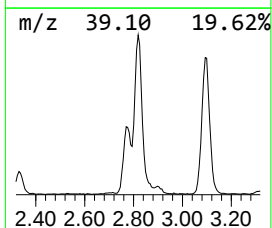
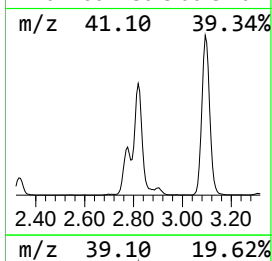
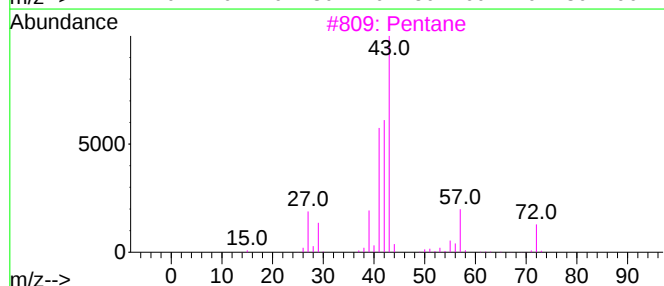
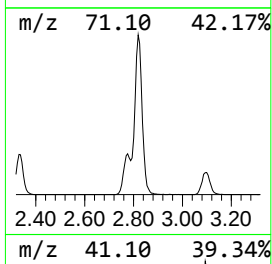
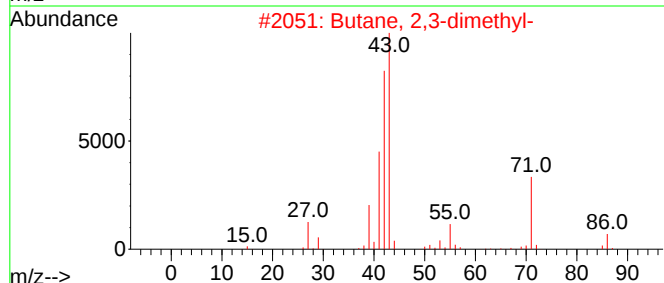
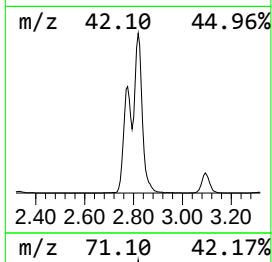
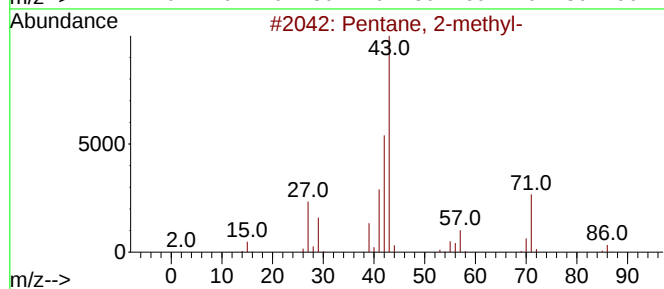
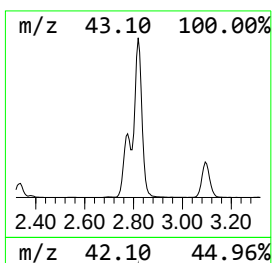
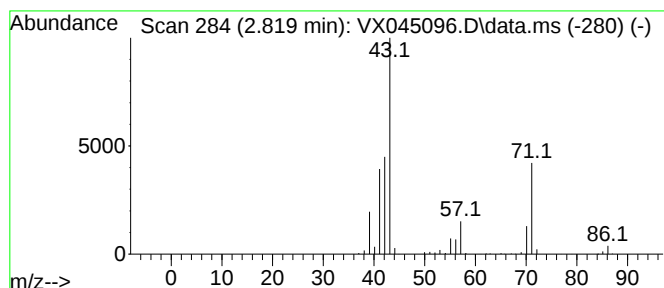
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

\*\*\*\*\*

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

| R.T.  | EstConc    | Area   | Relative to ISTD   | R.T.  |
|-------|------------|--------|--------------------|-------|
| 2.819 | 99.15 ug/l | 779975 | Pentafluorobenzene | 5.550 |

| Hit# | of | 5 | Tentative ID             | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------|-----|---------|-------------|------|
| 1    |    |   | Pentane, 2-methyl-       | 86  | C6H14   | 000107-83-5 | 91   |
| 2    |    |   | Butane, 2,3-dimethyl-    | 86  | C6H14   | 000079-29-8 | 47   |
| 3    |    |   | Pentane                  | 72  | C5H12   | 000109-66-0 | 46   |
| 4    |    |   | 1-Butanol, 2,3-dimethyl- | 102 | C6H14O  | 019550-30-2 | 45   |
| 5    |    |   | Heptane, 4-methyl-       | 114 | C8H18   | 000589-53-7 | 28   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX022825\  
Data File : VX045096.D  
Acq On : 28 Feb 2025 18:04  
Operator : JC/MD  
Sample : Q1462-01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X022825W.M  
Quant Title : SW846 8260

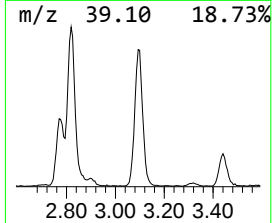
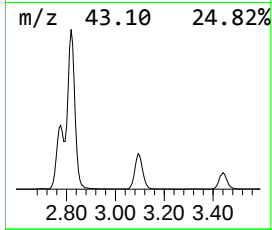
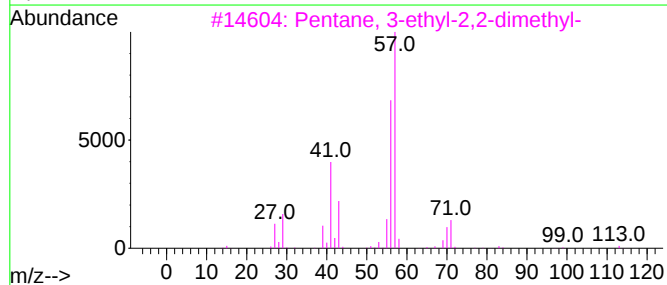
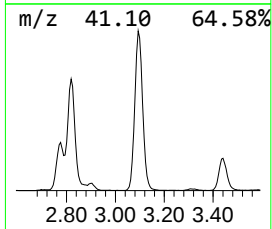
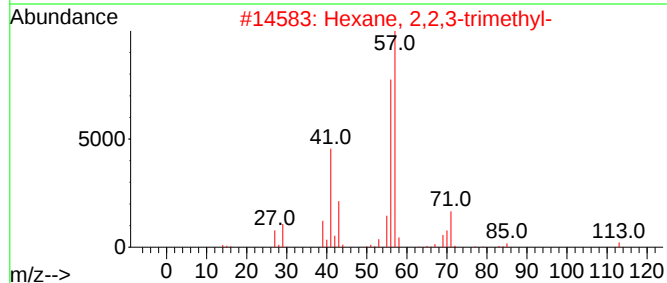
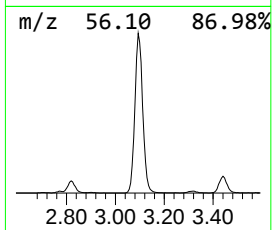
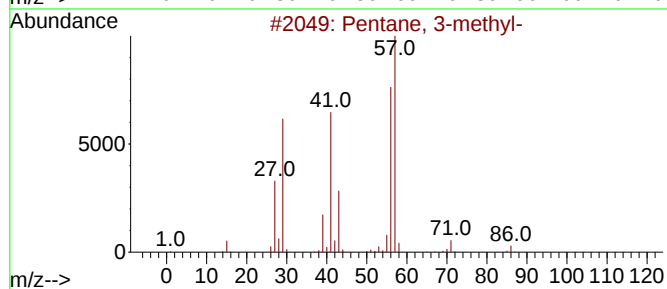
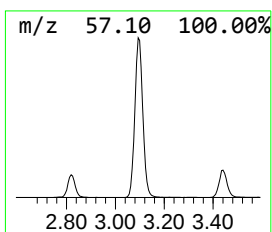
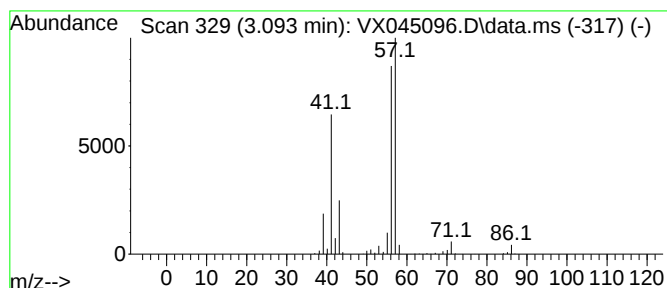
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TIC Integration Parameters: LSCINT.P

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Peak Number 2 Pentane, 3-methyl- Concentration Rank 5

| R.T.  | EstConc     | Area   | Relative to ISTD   | R.T.  |
|-------|-------------|--------|--------------------|-------|
| 3.093 | 114.02 ug/l | 896924 | Pentafluorobenzene | 5.550 |

| Hit# | of | 5 | Tentative ID                       | MW  | MolForm  | CAS#        | Qual |
|------|----|---|------------------------------------|-----|----------|-------------|------|
| 1    |    |   | Pentane, 3-methyl-                 | 86  | C6H14    | 000096-14-0 | 91   |
| 2    |    |   | Hexane, 2,2,3-trimethyl-           | 128 | C9H20    | 016747-25-4 | 64   |
| 3    |    |   | Pentane, 3-ethyl-2,2-dimethyl-     | 128 | C9H20    | 016747-32-3 | 64   |
| 4    |    |   | 3,4-Dimethyldihydrofuran-2,5-dione | 128 | C6H8O3   | 007475-92-5 | 50   |
| 5    |    |   | Sulphuric acid dibutyl ester       | 210 | C8H18O4S | 000625-22-9 | 40   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX022825\  
Data File : VX045096.D  
Acq On : 28 Feb 2025 18:04  
Operator : JC/MD  
Sample : Q1462-01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X022825W.M  
Quant Title : SW846 8260

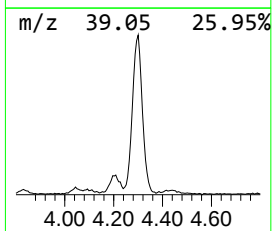
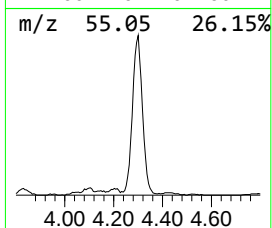
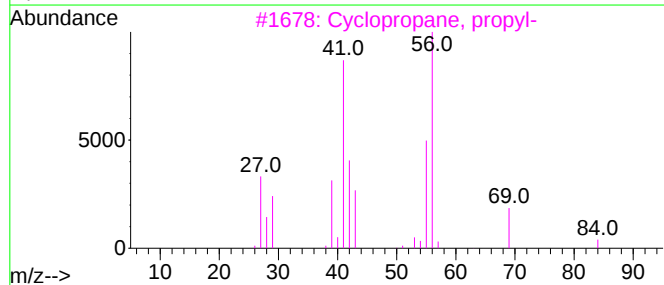
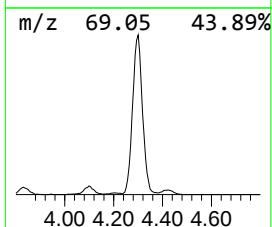
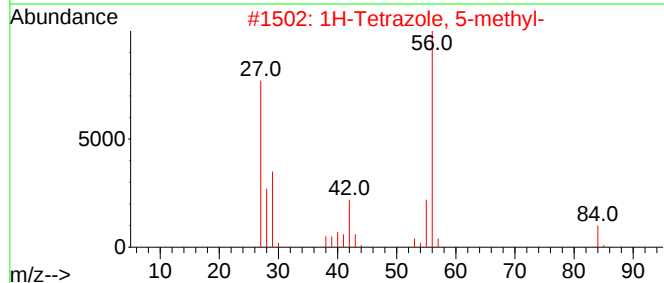
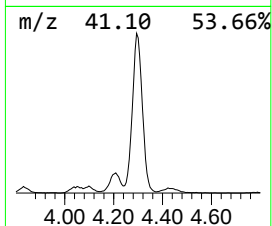
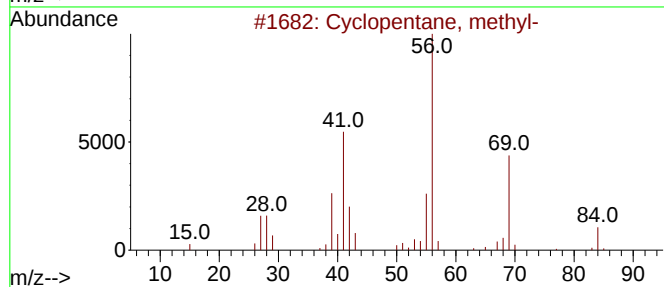
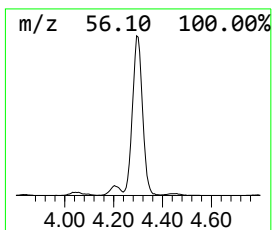
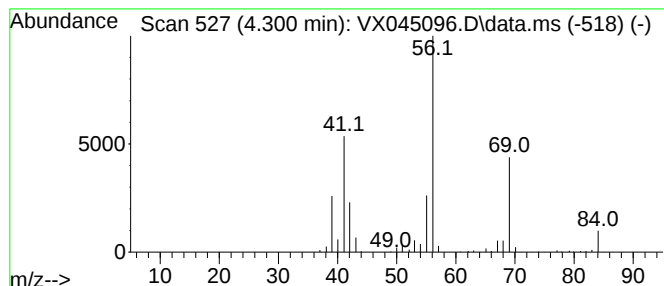
TIC Library : C:\Database\NIST20.L  
TIC Integration Parameters: LSCINT.P

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Peak Number 3 Cyclopentane, methyl- Concentration Rank 6

| R.T.  | EstConc     | Area   | Relative to ISTD   | R.T.  |
|-------|-------------|--------|--------------------|-------|
| 4.300 | 106.01 ug/l | 833904 | Pentafluorobenzene | 5.550 |

| Hit# | of 5 | Tentative ID            | MW | MolForm | CAS#        | Qual |
|------|------|-------------------------|----|---------|-------------|------|
| 1    |      | Cyclopentane, methyl-   | 84 | C6H12   | 000096-37-7 | 91   |
| 2    |      | 1H-Tetrazole, 5-methyl- | 84 | C2H4N4  | 004076-36-2 | 56   |
| 3    |      | Cyclopropane, propyl-   | 84 | C6H12   | 002415-72-7 | 56   |
| 4    |      | Cyclobutane             | 56 | C4H8    | 000287-23-0 | 50   |
| 5    |      | 1-Pentene, 2-methyl-    | 84 | C6H12   | 000763-29-1 | 43   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX022825\  
Data File : VX045096.D  
Acq On : 28 Feb 2025 18:04  
Operator : JC/MD  
Sample : Q1462-01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW2

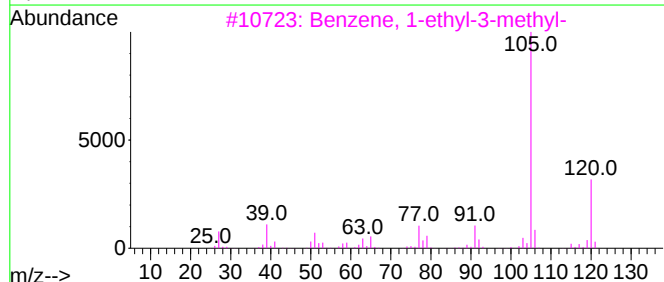
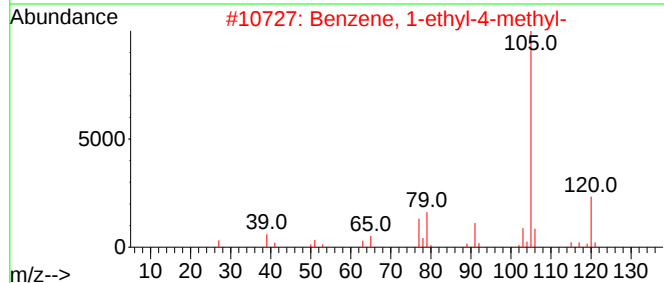
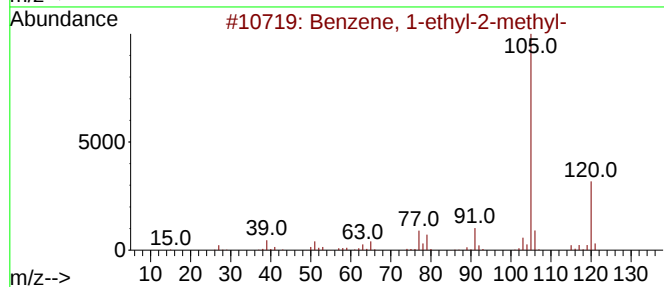
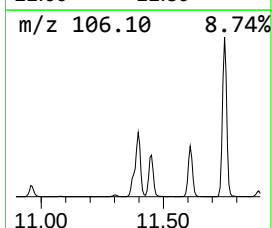
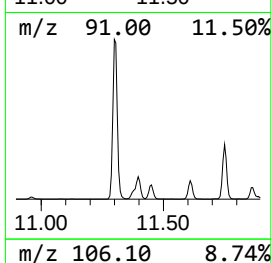
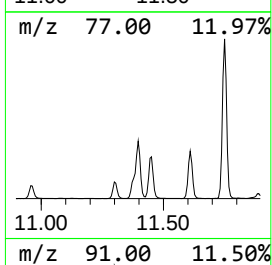
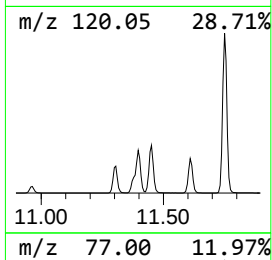
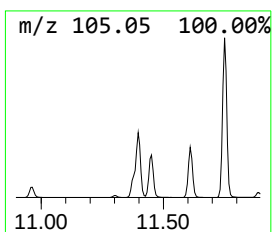
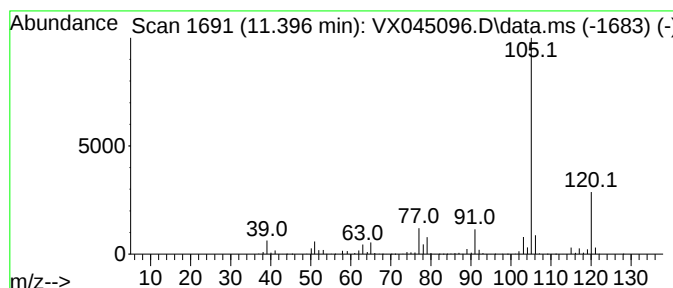
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Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 4 Benzene, 1-ethyl-2-methyl- Concentration Rank 1

| R.T.   | EstConc     | Area    | Relative to ISTD       | R.T.   |
|--------|-------------|---------|------------------------|--------|
| 11.396 | 229.38 ug/l | 1836740 | 1,4-Dichlorobenzene-d4 | 12.018 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1-ethyl-2-methyl- | 120 | C9H12   | 000611-14-3 | 95   |
| 2    |    |   | Benzene, 1-ethyl-4-methyl- | 120 | C9H12   | 000622-96-8 | 94   |
| 3    |    |   | Benzene, 1-ethyl-3-methyl- | 120 | C9H12   | 000620-14-4 | 91   |
| 4    |    |   | Mesitylene                 | 120 | C9H12   | 000108-67-8 | 91   |
| 5    |    |   | Benzene, 1,2,4-trimethyl-  | 120 | C9H12   | 000095-63-6 | 91   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX022825\  
Data File : VX045096.D  
Acq On : 28 Feb 2025 18:04  
Operator : JC/MD  
Sample : Q1462-01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW2

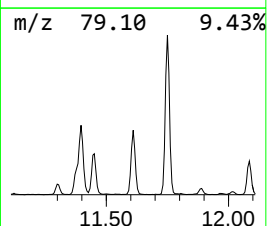
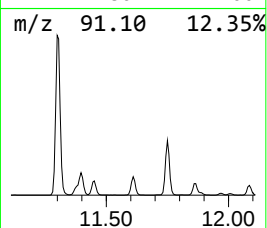
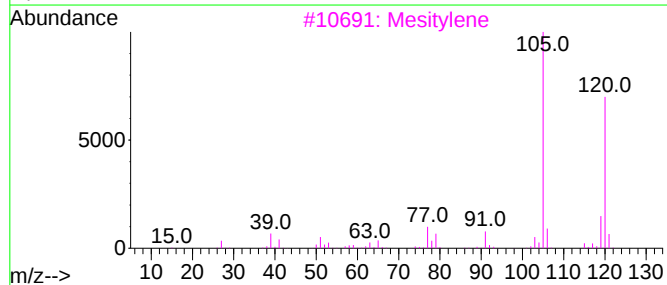
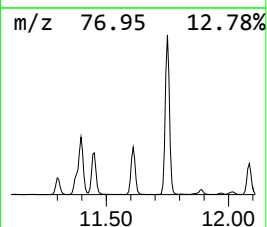
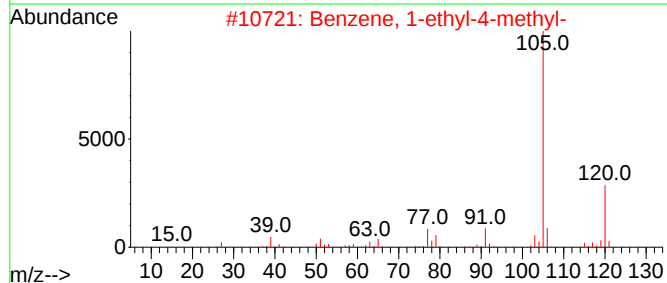
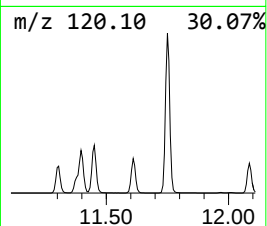
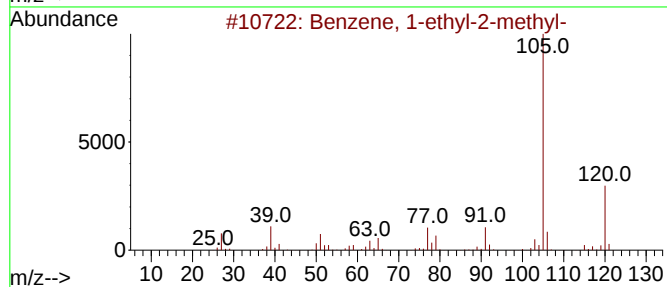
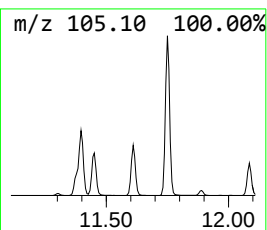
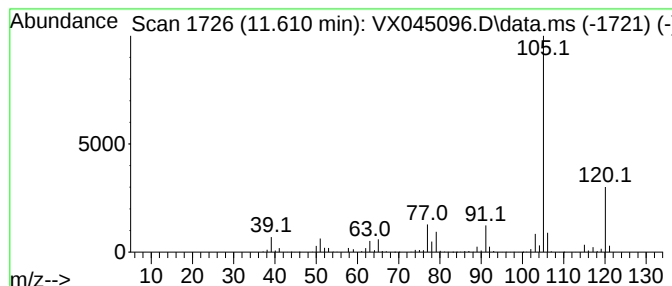
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Quant Title : SW846 8260

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

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Peak Number 5 Benzene, 1-ethyl-4-methyl- Concentration Rank 3

| R.T.   | EstConc     | Area    | Relative to ISTD       | R.T.   |
|--------|-------------|---------|------------------------|--------|
| 11.610 | 142.41 ug/l | 1140370 | 1,4-Dichlorobenzene-d4 | 12.018 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1-ethyl-2-methyl- | 120 | C9H12   | 000611-14-3 | 94   |
| 2    |    |   | Benzene, 1-ethyl-4-methyl- | 120 | C9H12   | 000622-96-8 | 91   |
| 3    |    |   | Mesitylene                 | 120 | C9H12   | 000108-67-8 | 91   |
| 4    |    |   | Benzene, 1-ethyl-3-methyl- | 120 | C9H12   | 000620-14-4 | 91   |
| 5    |    |   | Benzene, 1,2,4-trimethyl-  | 120 | C9H12   | 000095-63-6 | 91   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX022825\  
Data File : VX045096.D  
Acq On : 28 Feb 2025 18:04  
Operator : JC/MD  
Sample : Q1462-01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW2

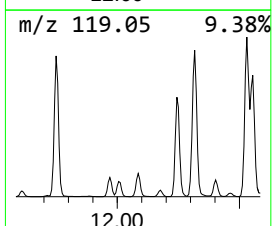
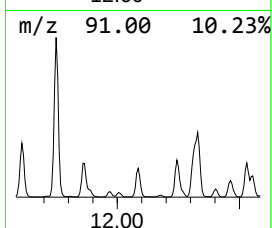
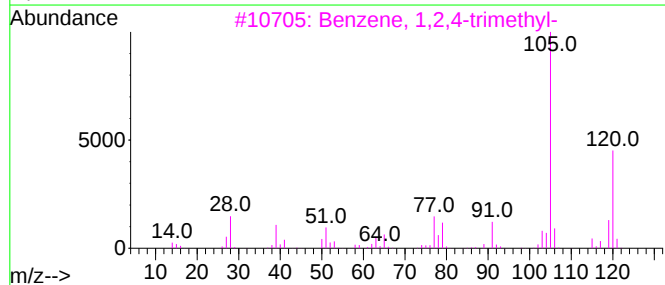
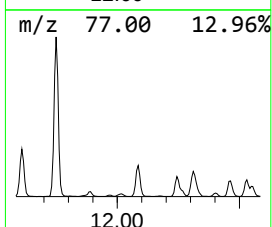
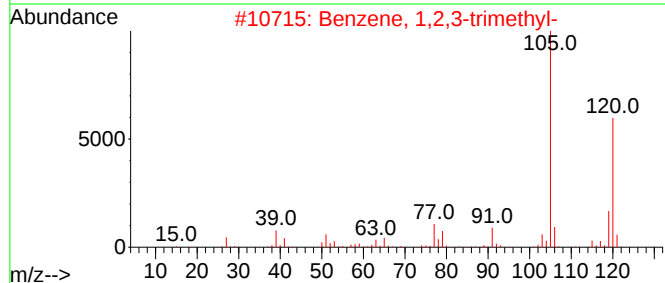
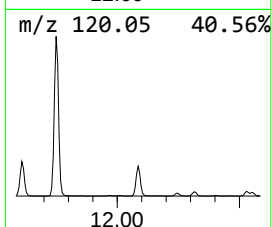
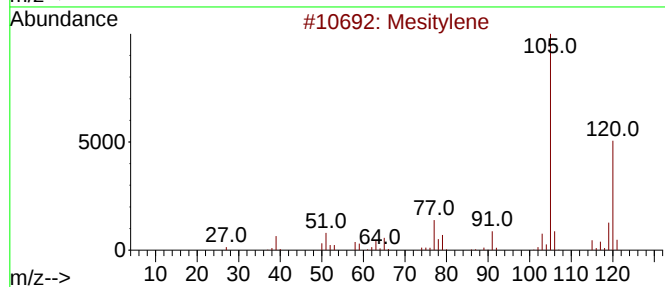
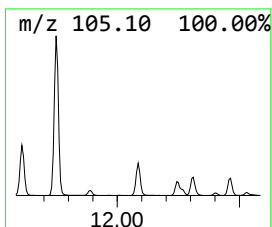
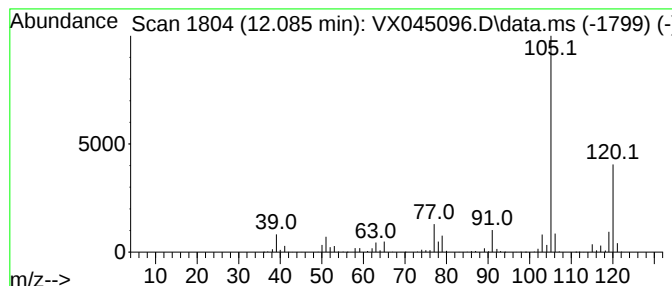
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Quant Title : SW846 8260

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

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Peak Number 6 Benzene, 1,2,3-trimethyl- Concentration Rank 7

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 12.085 | 99.24 ug/l | 794694 | 1,4-Dichlorobenzene-d4 | 12.018 |

| Hit# | of | 5 | Tentative ID               | MW  | MolForm | CAS#        | Qual |
|------|----|---|----------------------------|-----|---------|-------------|------|
| 1    |    |   | Mesitylene                 | 120 | C9H12   | 000108-67-8 | 97   |
| 2    |    |   | Benzene, 1,2,3-trimethyl-  | 120 | C9H12   | 000526-73-8 | 95   |
| 3    |    |   | Benzene, 1,2,4-trimethyl-  | 120 | C9H12   | 000095-63-6 | 94   |
| 4    |    |   | Benzene, 1-ethyl-4-methyl- | 120 | C9H12   | 000622-96-8 | 90   |
| 5    |    |   | Benzene, 1-ethyl-3-methyl- | 120 | C9H12   | 000620-14-4 | 90   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX022825\  
Data File : VX045096.D  
Acq On : 28 Feb 2025 18:04  
Operator : JC/MD  
Sample : Q1462-01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW2

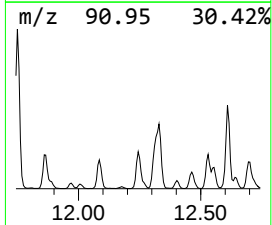
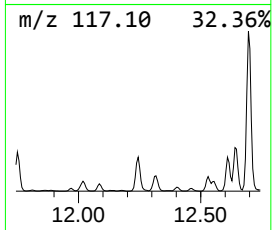
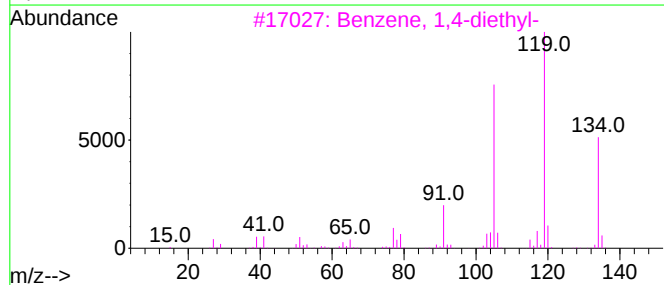
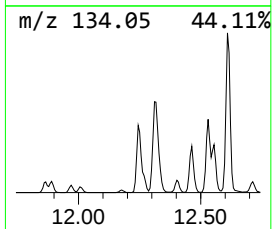
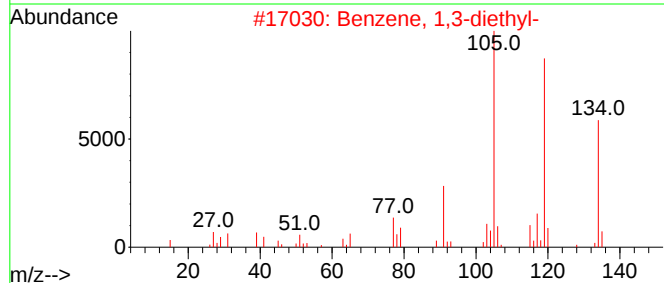
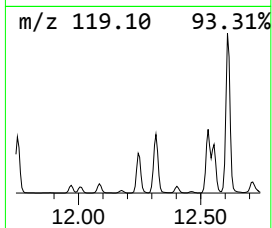
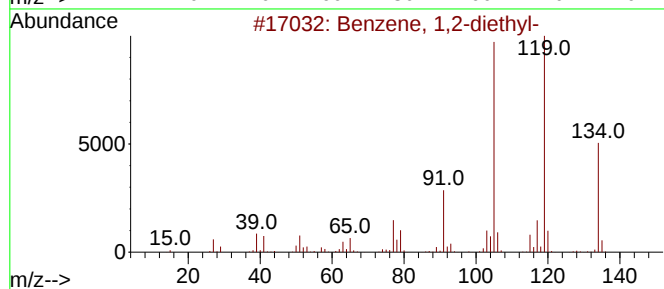
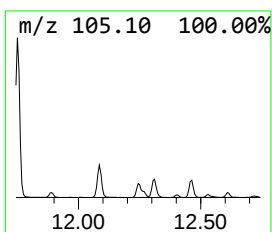
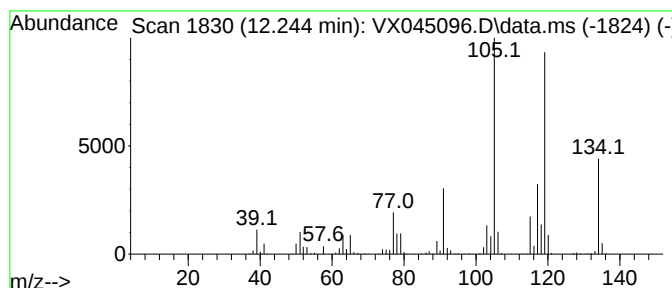
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Quant Title : SW846 8260

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

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Peak Number 7 Benzene, 1,2-diethyl- Concentration Rank 9

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 12.244 | 94.13 ug/l | 753736 | 1,4-Dichlorobenzene-d4 | 12.018 |

| Hit# | of | 5 | Tentative ID                   | MW  | MolForm | CAS#        | Qual |
|------|----|---|--------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1,2-diethyl-          | 134 | C10H14  | 000135-01-3 | 93   |
| 2    |    |   | Benzene, 1,3-diethyl-          | 134 | C10H14  | 000141-93-5 | 90   |
| 3    |    |   | Benzene, 1,4-diethyl-          | 134 | C10H14  | 000105-05-5 | 90   |
| 4    |    |   | Benzene, 1-ethyl-3,5-dimethyl- | 134 | C10H14  | 000934-74-7 | 68   |
| 5    |    |   | Ethanone, 1-(4-methylphenyl)-  | 134 | C9H10O  | 000122-00-9 | 60   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX022825\  
Data File : VX045096.D  
Acq On : 28 Feb 2025 18:04  
Operator : JC/MD  
Sample : Q1462-01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW2

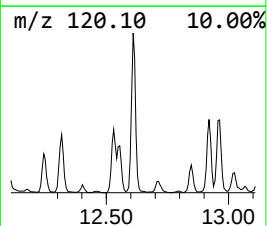
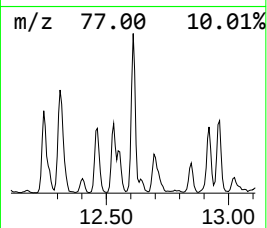
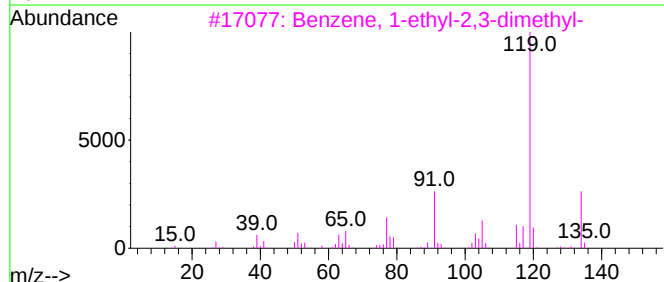
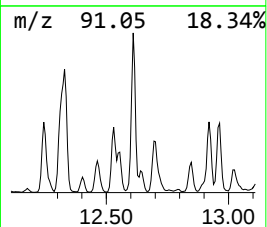
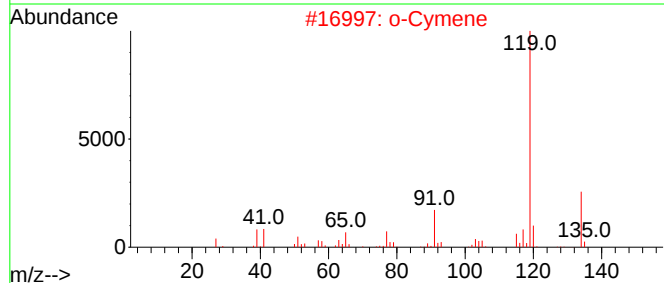
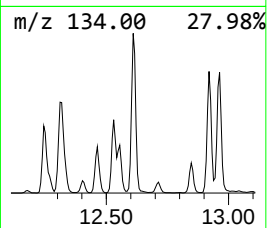
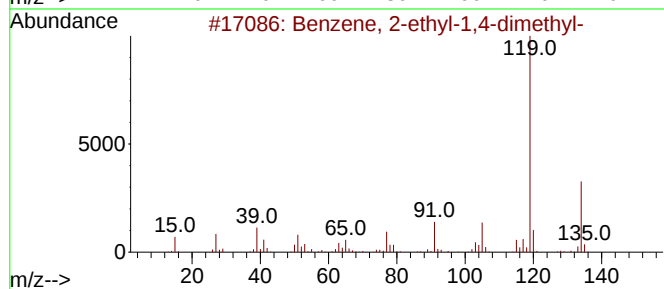
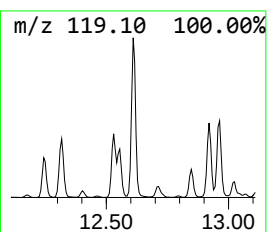
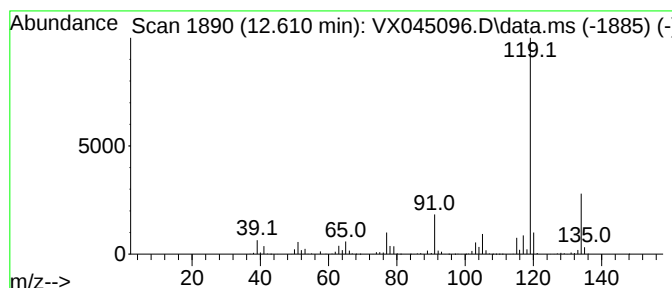
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Quant Title : SW846 8260

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

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

| R.T.      | EstConc                             | Area    | Relative to ISTD       |         | R.T.        |      |
|-----------|-------------------------------------|---------|------------------------|---------|-------------|------|
| 12.610    | 152.35 ug/l                         | 1219950 | 1,4-Dichlorobenzene-d4 |         | 12.018      |      |
| Hit# of 5 | Tentative ID                        |         | MW                     | MolForm | CAS#        | Qual |
| 1         | Benzene, 2-ethyl-1,4-dimethyl-      |         | 134                    | C10H14  | 001758-88-9 | 95   |
| 2         | o-Cymene                            |         | 134                    | C10H14  | 000527-84-4 | 95   |
| 3         | Benzene, 1-ethyl-2,3-dimethyl-      |         | 134                    | C10H14  | 000933-98-2 | 95   |
| 4         | Benzene, 1-methyl-3-(1-methyleth... |         | 134                    | C10H14  | 000535-77-3 | 94   |
| 5         | Benzene, 2-ethyl-1,3-dimethyl-      |         | 134                    | C10H14  | 002870-04-4 | 94   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX022825\  
Data File : VX045096.D  
Acq On : 28 Feb 2025 18:04  
Operator : JC/MD  
Sample : Q1462-01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW2

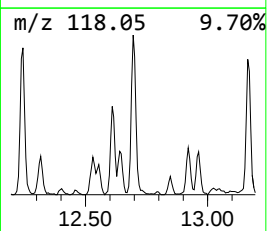
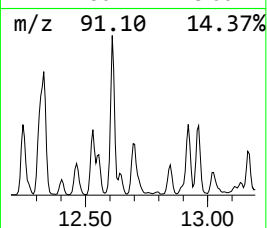
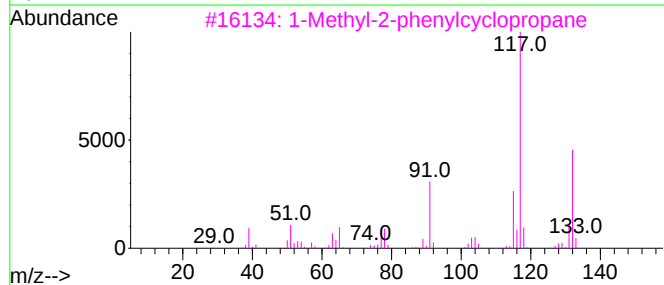
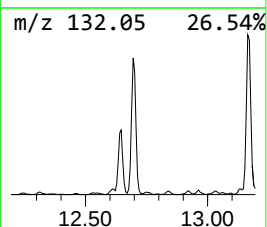
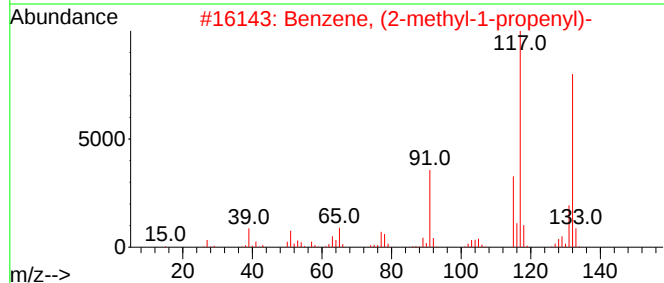
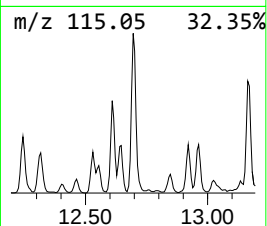
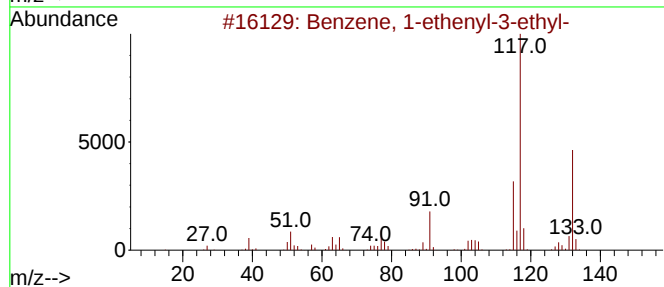
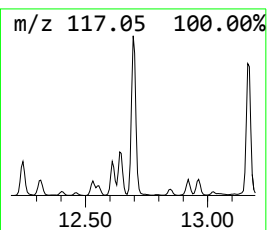
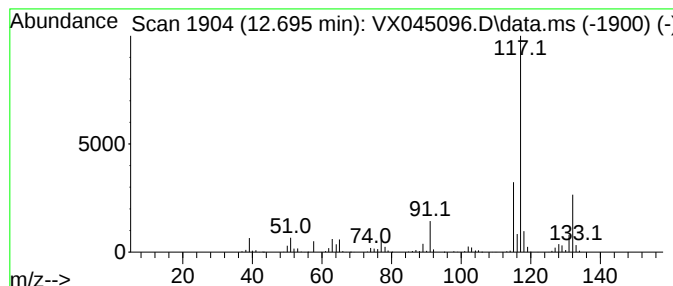
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X022825W.M  
Quant Title : SW846 8260

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

\*\*\*\*\*  
Peak Number 9 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 10

| R.T.   | EstConc    | Area   | Relative to ISTD       | R.T.   |
|--------|------------|--------|------------------------|--------|
| 12.695 | 84.84 ug/l | 679387 | 1,4-Dichlorobenzene-d4 | 12.018 |

| Hit# | of | 5 | Tentative ID                    | MW  | MolForm | CAS#        | Qual |
|------|----|---|---------------------------------|-----|---------|-------------|------|
| 1    |    |   | Benzene, 1-ethenyl-3-ethyl-     | 132 | C10H12  | 007525-62-4 | 90   |
| 2    |    |   | Benzene, (2-methyl-1-propenyl)- | 132 | C10H12  | 000768-49-0 | 90   |
| 3    |    |   | 1-Methyl-2-phenylcyclopropane   | 132 | C10H12  | 003145-76-4 | 87   |
| 4    |    |   | Indan, 1-methyl-                | 132 | C10H12  | 000767-58-8 | 87   |
| 5    |    |   | Benzene, 1-ethenyl-4-ethyl-     | 132 | C10H12  | 003454-07-7 | 86   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX022825\  
Data File : VX045096.D  
Acq On : 28 Feb 2025 18:04  
Operator : JC/MD  
Sample : Q1462-01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW2

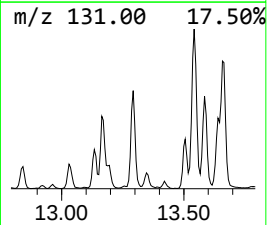
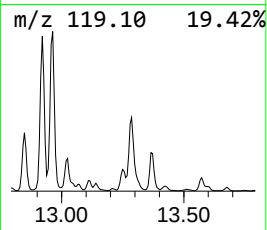
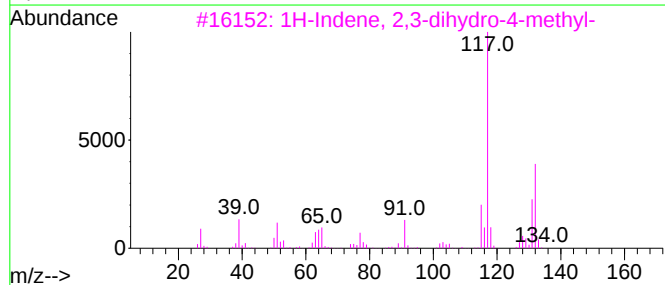
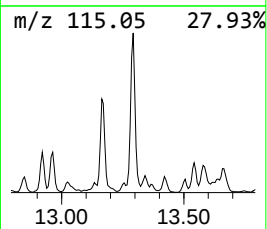
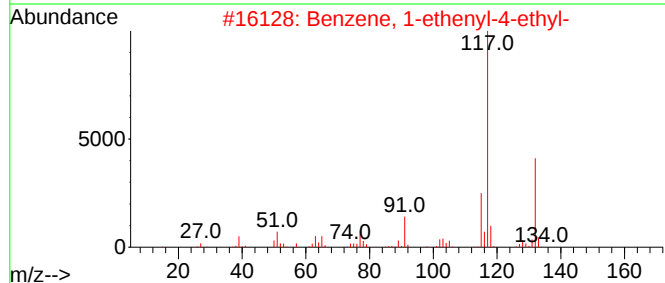
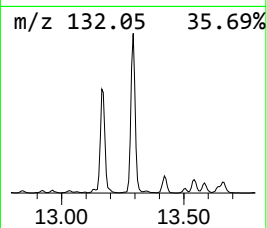
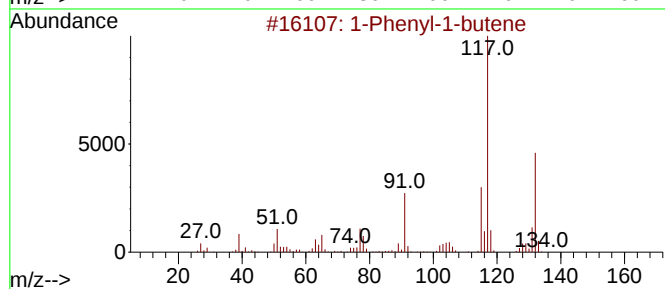
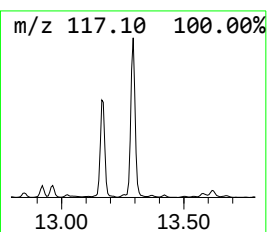
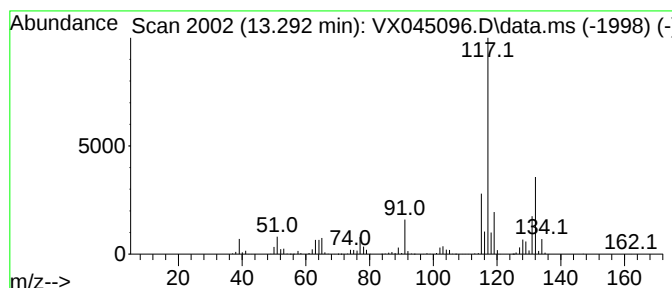
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X022825W.M  
Quant Title : SW846 8260

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

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Peak Number 10 1-Phenyl-1-butene Concentration Rank 4

| R.T.   | EstConc     | Area   | Relative to ISTD       | R.T.   |
|--------|-------------|--------|------------------------|--------|
| 13.292 | 123.93 ug/l | 992395 | 1,4-Dichlorobenzene-d4 | 12.018 |

| Hit# | of 5 | Tentative ID                     | MW  | MolForm | CAS#        | Qual |
|------|------|----------------------------------|-----|---------|-------------|------|
| 1    |      | 1-Phenyl-1-butene                | 132 | C10H12  | 000824-90-8 | 90   |
| 2    |      | Benzene, 1-ethenyl-4-ethyl-      | 132 | C10H12  | 003454-07-7 | 89   |
| 3    |      | 1H-Indene, 2,3-dihydro-4-methyl- | 132 | C10H12  | 000824-22-6 | 89   |
| 4    |      | Benzene, 1-ethenyl-3-ethyl-      | 132 | C10H12  | 007525-62-4 | 81   |
| 5    |      | Indan, 1-methyl-                 | 132 | C10H12  | 000767-58-8 | 81   |



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX022825\  
Data File : VX045096.D  
Acq On : 28 Feb 2025 18:04  
Operator : JC/MD  
Sample : Q1462-01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 21 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
MW2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X022825W.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 |
| Pentane, 2-methyl- | 2.819  | 99.2    | ug/l  | 779975   | 1                     | 5.550  | 393322 | 50.0 |
| Pentane, 3-methyl- | 3.093  | 114.0   | ug/l  | 896924   | 1                     | 5.550  | 393322 | 50.0 |
| Cyclopentane, m... | 4.300  | 106.0   | ug/l  | 833904   | 1                     | 5.550  | 393322 | 50.0 |
| Benzene, 1-ethy... | 11.396 | 229.4   | ug/l  | 1836740  | 4                     | 12.018 | 400372 | 50.0 |
| Benzene, 1-ethy... | 11.610 | 142.4   | ug/l  | 1140370  | 4                     | 12.018 | 400372 | 50.0 |
| Benzene, 1,2,3-... | 12.085 | 99.2    | ug/l  | 794694   | 4                     | 12.018 | 400372 | 50.0 |
| Benzene, 1,2-di... | 12.244 | 94.1    | ug/l  | 753736   | 4                     | 12.018 | 400372 | 50.0 |
| Benzene, 2-ethy... | 12.610 | 152.3   | ug/l  | 1219950  | 4                     | 12.018 | 400372 | 50.0 |
| Benzene, 1-ethe... | 12.695 | 84.8    | ug/l  | 679387   | 4                     | 12.018 | 400372 | 50.0 |
| 1-Phenyl-1-butene  | 13.292 | 123.9   | ug/l  | 992395   | 4                     | 12.018 | 400372 | 50.0 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX022825\  
Data File : VX045090.D  
Acq On : 28 Feb 2025 15:44  
Operator : JC/MD  
Sample : Q1462-02  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
FB

A  
B  
C  
D  
E  
F  
G  
H  
I  
J

Quant Time: Feb 28 23:09:13 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X022825W.M  
Quant Title : SW846 8260  
QLast Update : Fri Feb 28 06:45:16 2025  
Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.550  | 168  | 72859    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.757  | 114  | 143324   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.049 | 117  | 131539   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.024 | 152  | 54108    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 5.952  | 65    | 59792    | 51.592   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | =    | 103.180% |
| 35) Dibromofluoromethane    | 5.385  | 113   | 49261    | 51.401   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | =    | 102.800% |
| 50) Toluene-d8              | 8.647  | 98    | 176360   | 50.759   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | =    | 101.520% |
| 62) 4-Bromofluorobenzene    | 11.079 | 95    | 59659    | 51.818   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | =    | 103.640% |

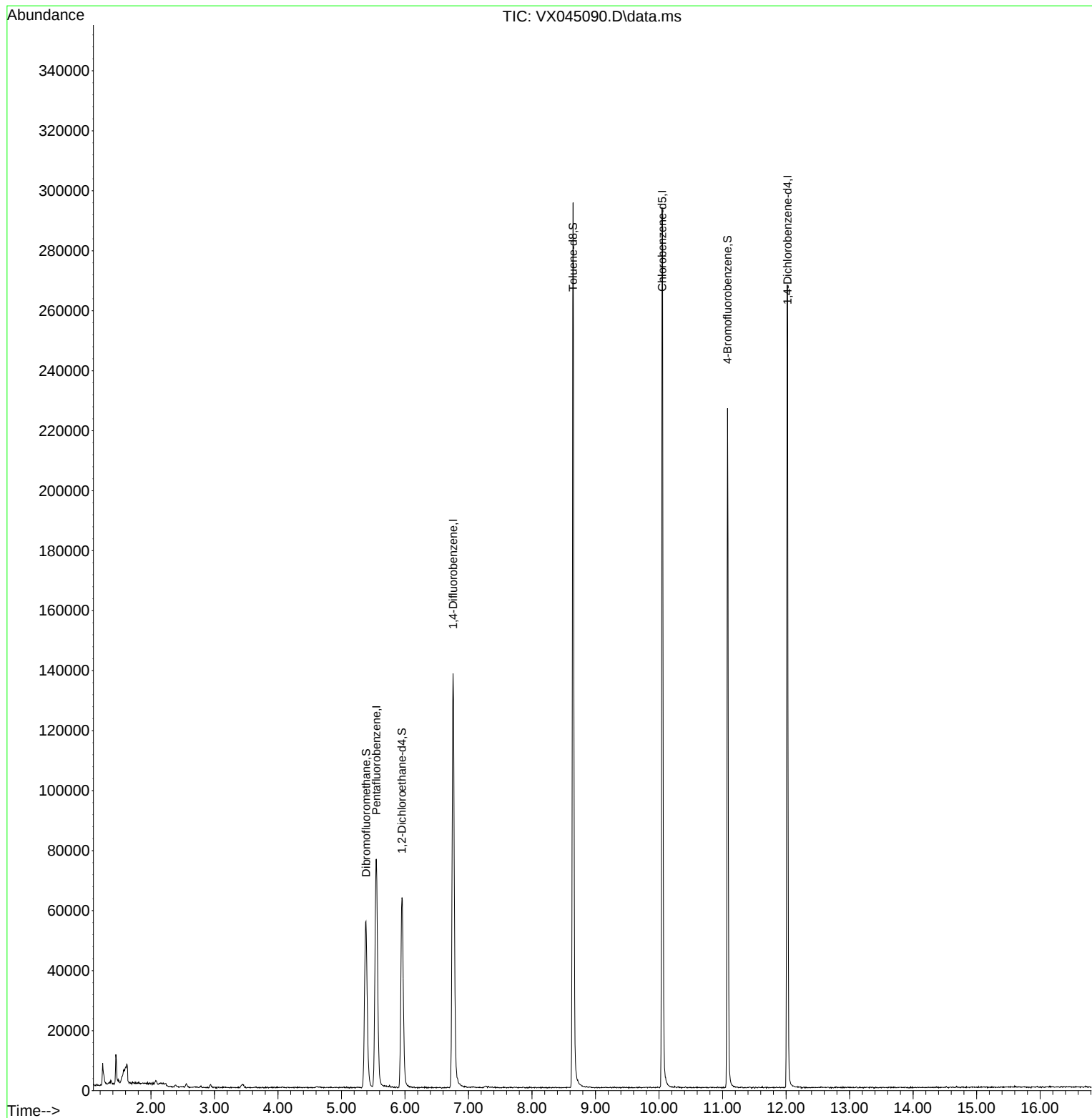
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

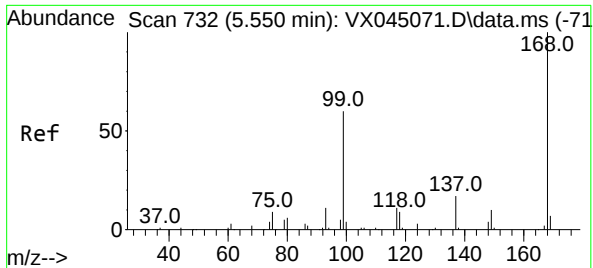
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX022825\  
Data File : VX045090.D  
Acq On : 28 Feb 2025 15:44  
Operator : JC/MD  
Sample : Q1462-02  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
FB

Quant Time: Feb 28 23:09:13 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X022825W.M  
Quant Title : SW846 8260  
QLast Update : Fri Feb 28 06:45:16 2025  
Response via : Initial Calibration

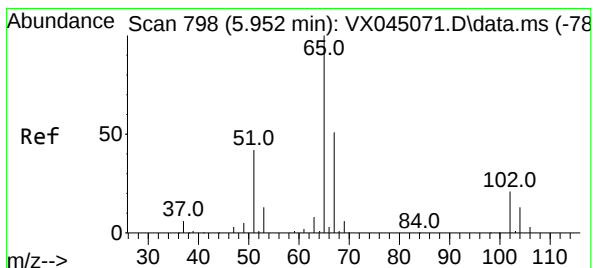
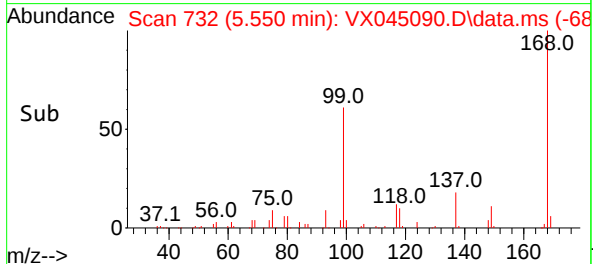
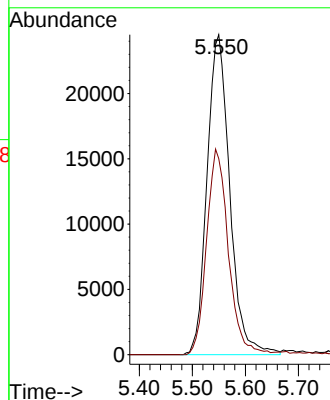
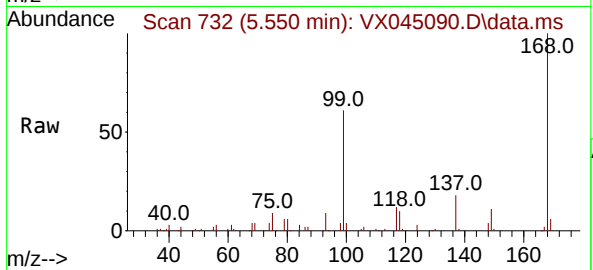




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.550 min Scan# 71  
Delta R.T. -0.000 min  
Lab File: VX045090.D  
Acq: 28 Feb 2025 15:44

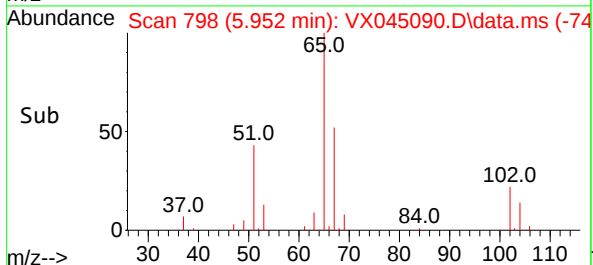
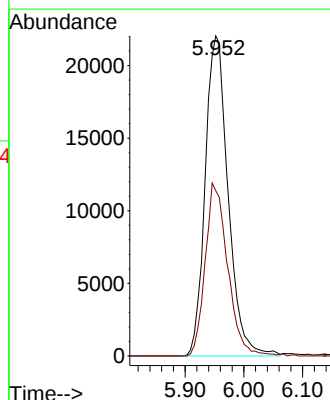
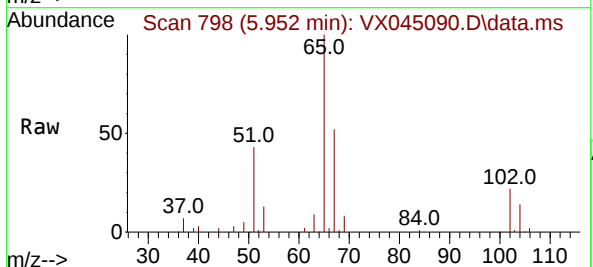
Instrument :  
MSVOA\_X  
ClientSampleId :  
FB

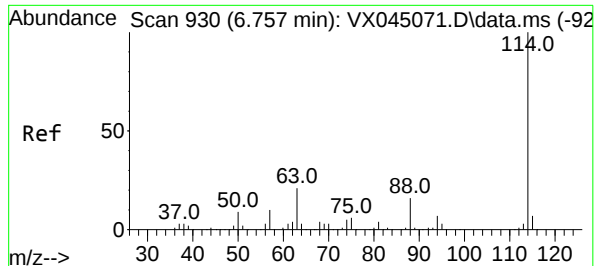
Tgt Ion:168 Resp: 72859  
Ion Ratio Lower Upper  
168 100  
99 61.2 48.2 72.4



#33  
1,2-Dichloroethane-d4  
Concen: 51.592 ug/l  
RT: 5.952 min Scan# 798  
Delta R.T. -0.000 min  
Lab File: VX045090.D  
Acq: 28 Feb 2025 15:44

Tgt Ion: 65 Resp: 59792  
Ion Ratio Lower Upper  
65 100  
67 53.0 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 91

Delta R.T. -0.000 min

Lab File: VX045090.D

Acq: 28 Feb 2025 15:44

Instrument :

MSVOA\_X

ClientSampleId :

FB

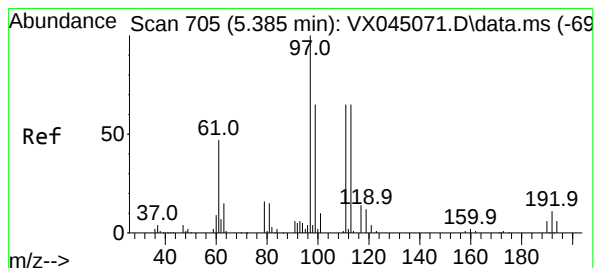
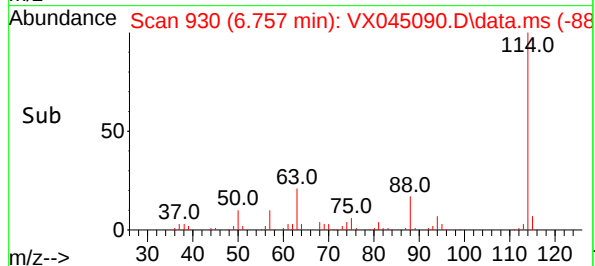
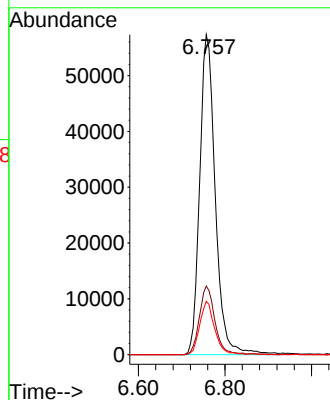
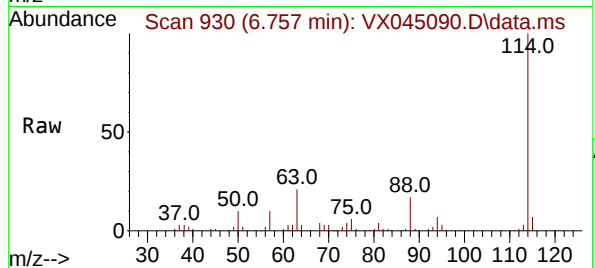
Tgt Ion:114 Resp: 143324

Ion Ratio Lower Upper

114 100

63 21.4 0.0 41.8

88 16.6 0.0 32.8



#35

Dibromofluoromethane

Concen: 51.401 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

Lab File: VX045090.D

Acq: 28 Feb 2025 15:44

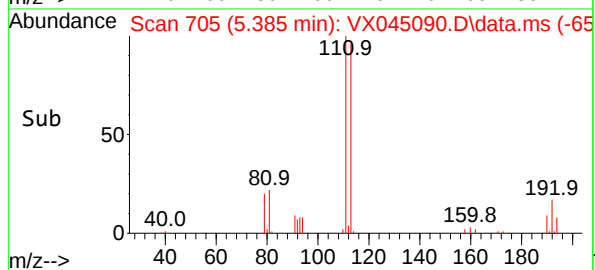
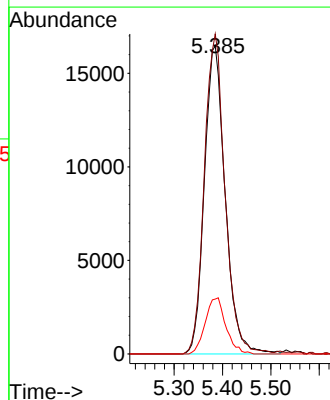
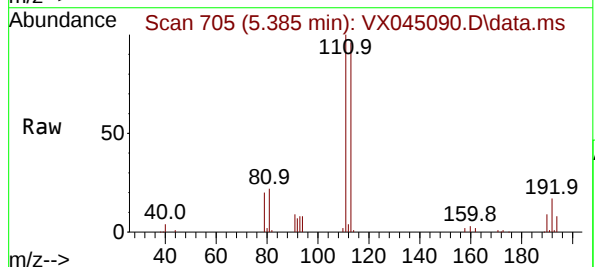
Tgt Ion:113 Resp: 49261

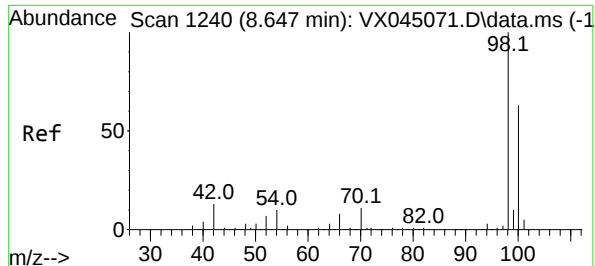
Ion Ratio Lower Upper

113 100

111 103.0 81.8 122.6

192 18.0 14.3 21.5





#50

Toluene-d8

Concen: 50.759 ug/l

RT: 8.647 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX045090.D

Acq: 28 Feb 2025 15:44

Instrument :

MSVOA\_X

ClientSampleId :

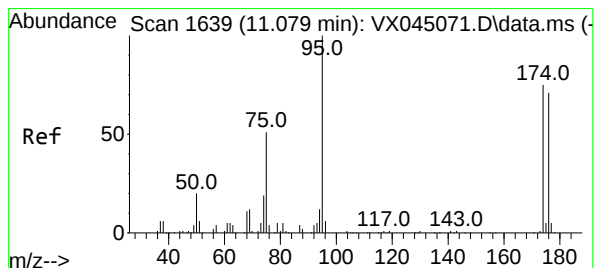
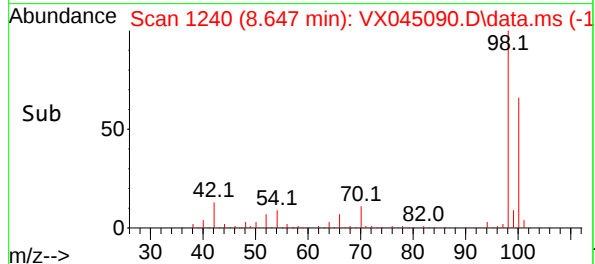
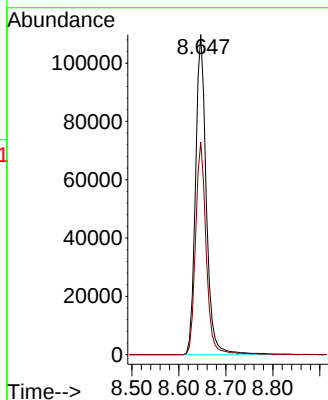
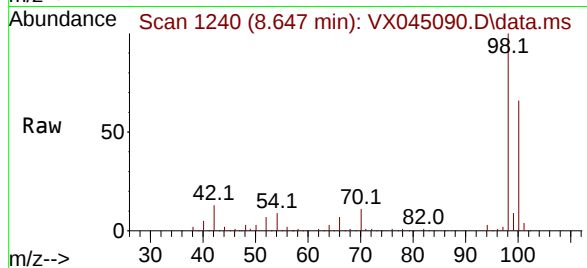
FB

Tgt Ion: 98 Resp: 176360

Ion Ratio Lower Upper

98 100

100 65.5 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 51.818 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX045090.D

Acq: 28 Feb 2025 15:44

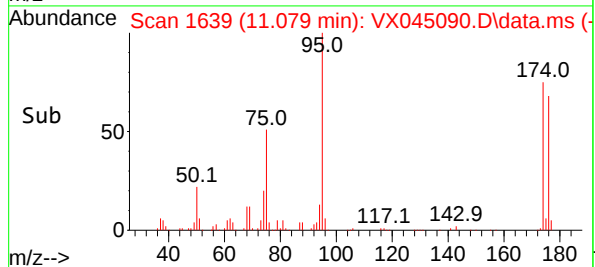
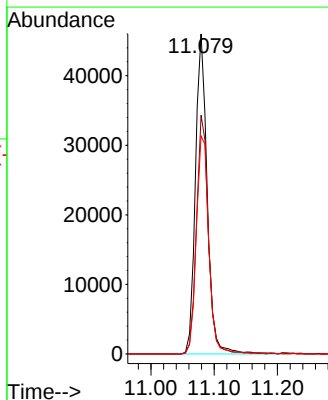
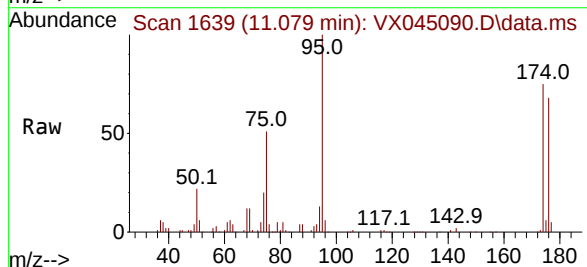
Tgt Ion: 95 Resp: 59659

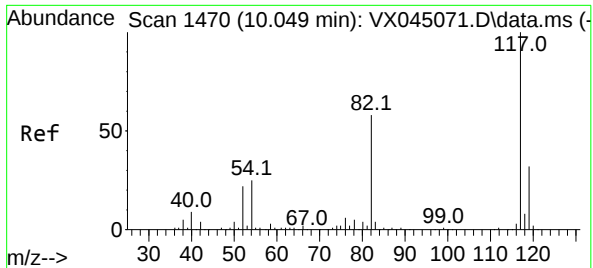
Ion Ratio Lower Upper

95 100

174 75.8 0.0 148.2

176 72.1 0.0 141.4

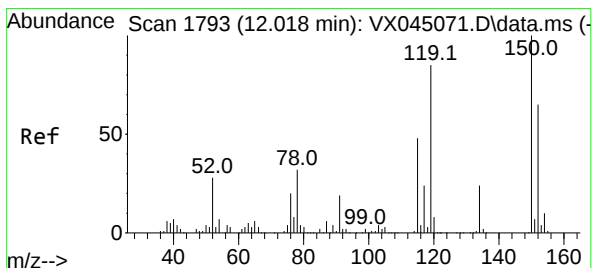
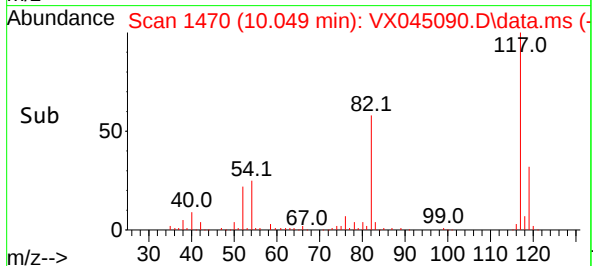
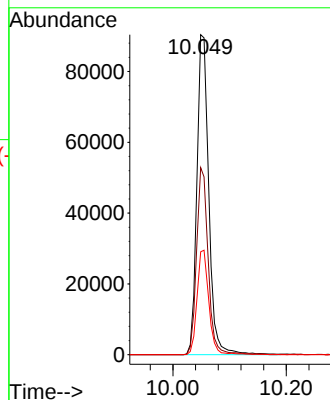
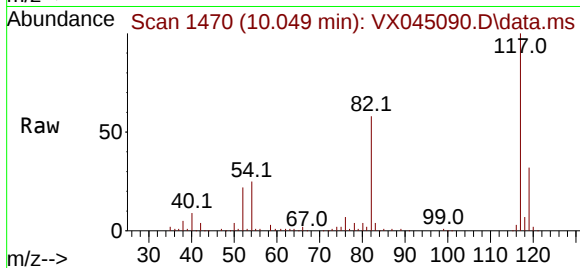




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.049 min Scan# 1470  
Delta R.T. -0.000 min  
Lab File: VX045090.D  
Acq: 28 Feb 2025 15:44

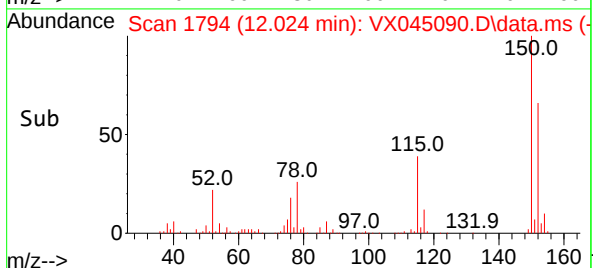
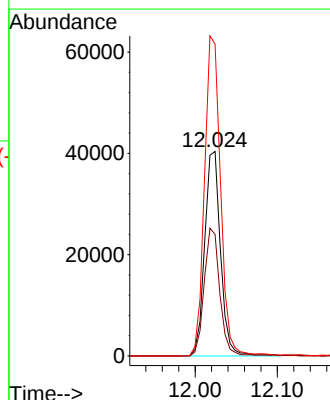
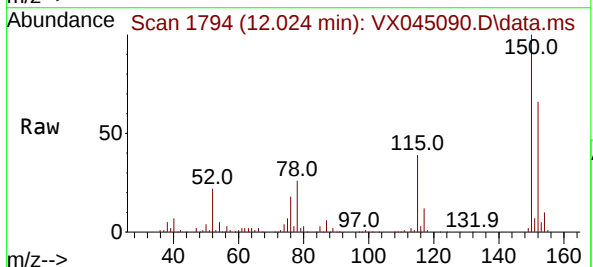
Instrument :  
MSVOA\_X  
ClientSampleId :  
FB

Tgt Ion:117 Resp: 131539  
Ion Ratio Lower Upper  
117 100  
82 58.5 46.3 69.5  
119 32.2 25.7 38.5



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.024 min Scan# 1794  
Delta R.T. 0.006 min  
Lab File: VX045090.D  
Acq: 28 Feb 2025 15:44

Tgt Ion:152 Resp: 54108  
Ion Ratio Lower Upper  
152 100  
115 61.9 44.2 132.6  
150 159.2 0.0 349.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX022825\  
 Data File : VX045090.D  
 Acq On : 28 Feb 2025 15:44  
 Operator : JC/MD  
 Sample : Q1462-02  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 FB

A  
B  
C  
D  
E  
F  
G  
H  
I  
J

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\82X022825W.M  
 Title : SW846 8260

Signal : TIC: VX045090.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         | 1.239       | 21            | 25          | 33           | rBV      | 7370           | 11855         | 2.50%           | 0.477%        |
| 2         | 1.447       | 54            | 59          | 64           | rBV      | 9992           | 12637         | 2.66%           | 0.508%        |
| 3         | 1.605       | 70            | 85          | 86           | rBV5     | 5370           | 19364         | 4.08%           | 0.779%        |
| 4         | 5.385       | 693           | 705         | 722          | rBV3     | 55572          | 166800        | 35.11%          | 6.711%        |
| 5         | 5.550       | 722           | 732         | 751          | rVV      | 75819          | 221569        | 46.64%          | 8.915%        |
| 6         | 5.952       | 790           | 798         | 813          | rBV      | 63223          | 170376        | 35.87%          | 6.855%        |
| 7         | 6.757       | 921           | 930         | 947          | rBV      | 138092         | 341039        | 71.79%          | 13.722%       |
| 8         | 8.647       | 1234          | 1240        | 1263         | rBV      | 294704         | 475045        | 100.00%         | 19.113%       |
| 9         | 10.049      | 1465          | 1470        | 1491         | rVB      | 293171         | 419456        | 88.30%          | 16.877%       |
| 10        | 11.079      | 1634          | 1639        | 1650         | rBV      | 226412         | 295871        | 62.28%          | 11.904%       |
| 11        | 12.018      | 1788          | 1793        | 1807         | rBV      | 267576         | 351411        | 73.97%          | 14.139%       |

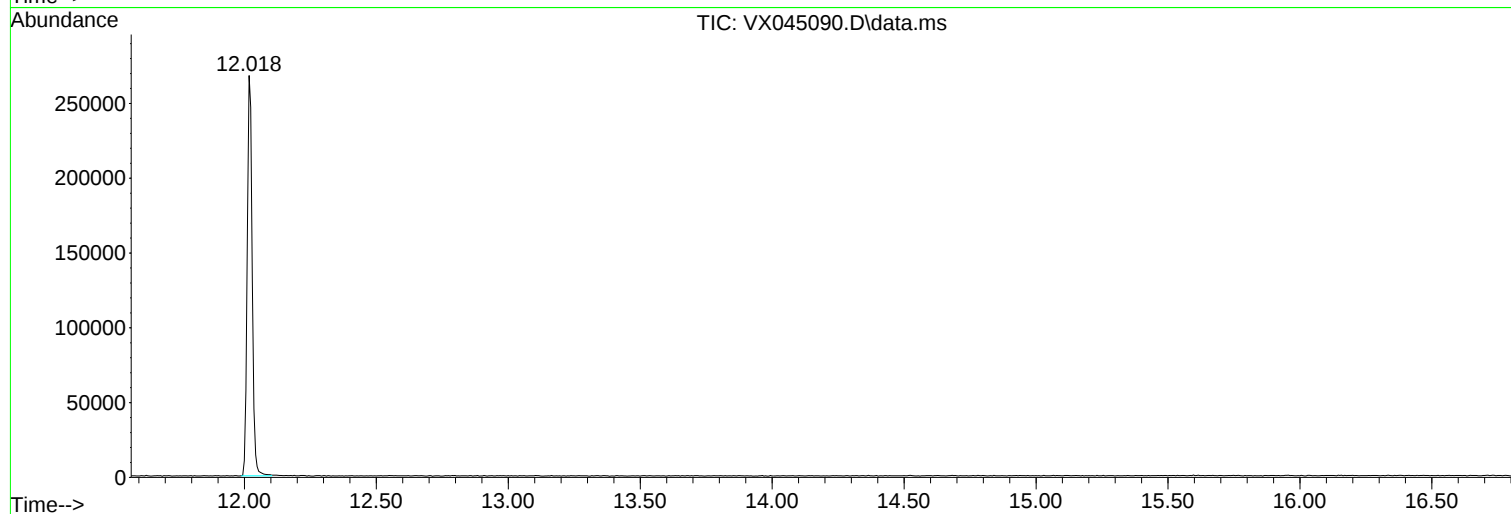
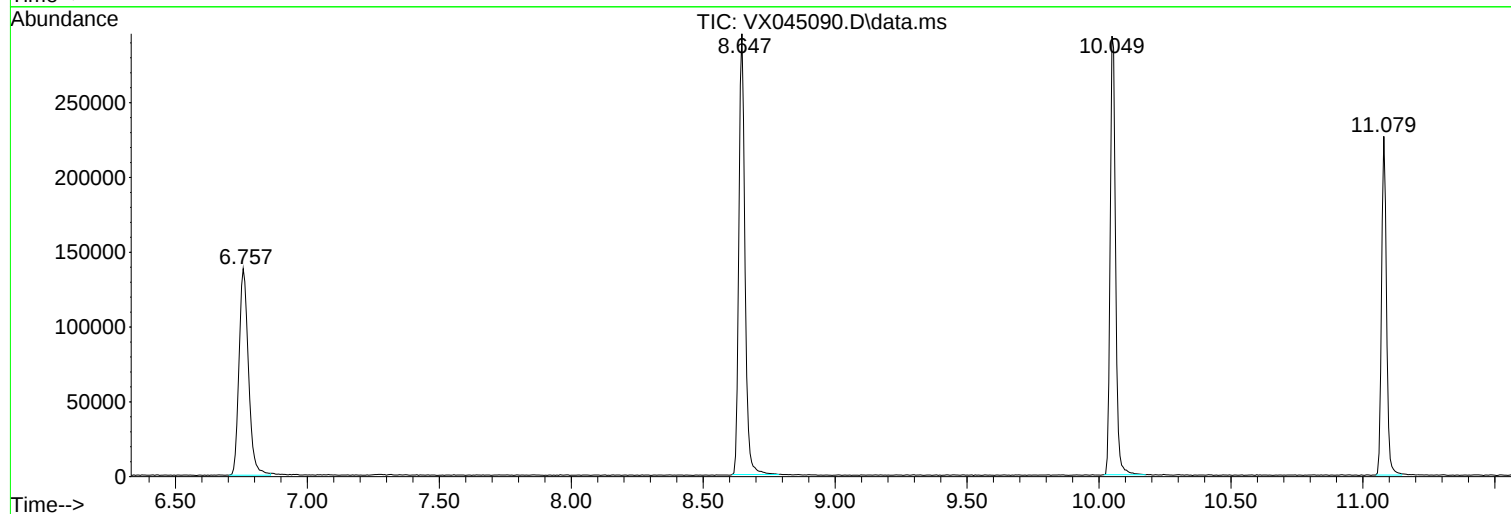
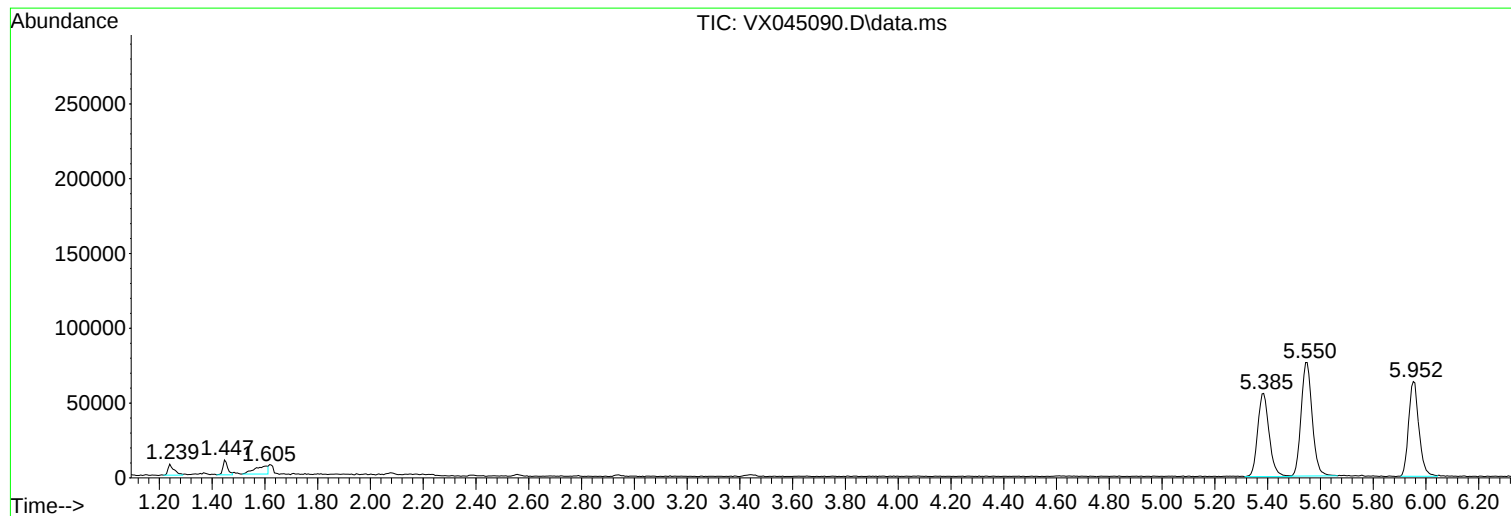
Sum of corrected areas: 2485423

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX022825\  
Data File : VX045090.D  
Acq On : 28 Feb 2025 15:44  
Operator : JC/MD  
Sample : Q1462-02  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
FB

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X022825W.M  
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX022825\  
Data File : VX045090.D  
Acq On : 28 Feb 2025 15:44  
Operator : JC/MD  
Sample : Q1462-02  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
FB

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X022825W.M  
Quant Title : SW846 8260

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

No Library Search Compounds Detected

\*\*\*\*\*

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX022825\  
Data File : VX045090.D  
Acq On : 28 Feb 2025 15:44  
Operator : JC/MD  
Sample : Q1462-02  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
FB

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X022825W.M  
Quant Title : SW846 8260

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

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

A  
B  
C  
D  
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J

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX022825\  
 Data File : VX045079.D  
 Acq On : 28 Feb 2025 11:23  
 Operator : JC/MD  
 Sample : VX0228WBL01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0228WBL01

A  
B  
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H  
I  
J

Quant Time: Feb 28 14:28:14 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X022825W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 28 06:45:16 2025  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|------------|----------|
| -----                       |        |       |          |          |            |          |
| Internal Standards          |        |       |          |          |            |          |
| 1) Pentafluorobenzene       | 5.544  | 168   | 76430    | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 6.757  | 114   | 149381   | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 10.049 | 117   | 137180   | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 12.018 | 152   | 59690    | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 5.952  | 65    | 60807    | 50.017   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 74 - 125 | Recovery | = 100.040% |          |
| 35) Dibromofluoromethane    | 5.385  | 113   | 50912    | 50.970   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 75 - 124 | Recovery | = 101.940% |          |
| 50) Toluene-d8              | 8.647  | 98    | 184348   | 50.907   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 86 - 113 | Recovery | = 101.820% |          |
| 62) 4-Bromofluorobenzene    | 11.079 | 95    | 63967    | 53.307   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 77 - 121 | Recovery | = 106.620% |          |

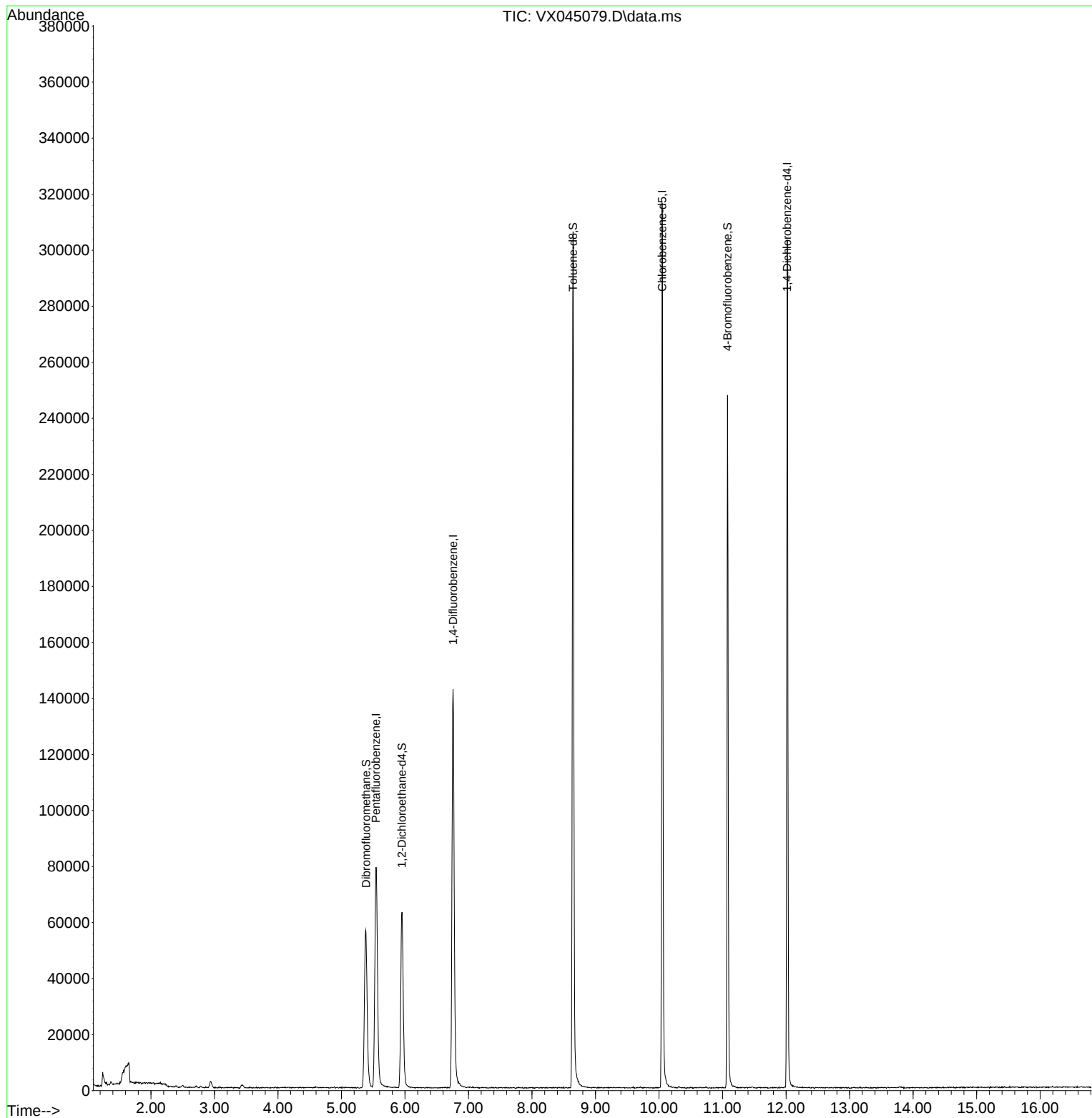
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

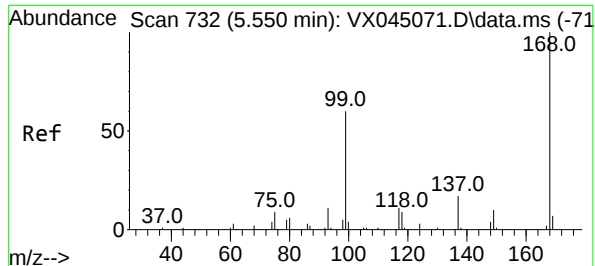
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX022825\  
Data File : VX045079.D  
Acq On : 28 Feb 2025 11:23  
Operator : JC/MD  
Sample : VX0228WBL01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0228WBL01

Quant Time: Feb 28 14:28:14 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X022825W.M  
Quant Title : SW846 8260  
QLast Update : Fri Feb 28 06:45:16 2025  
Response via : Initial Calibration

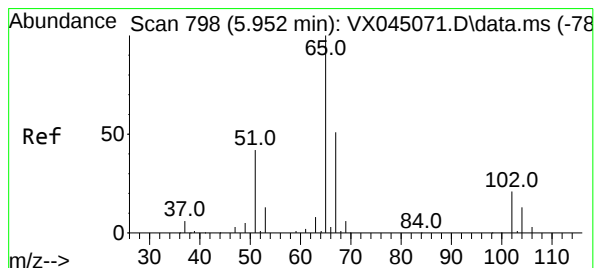
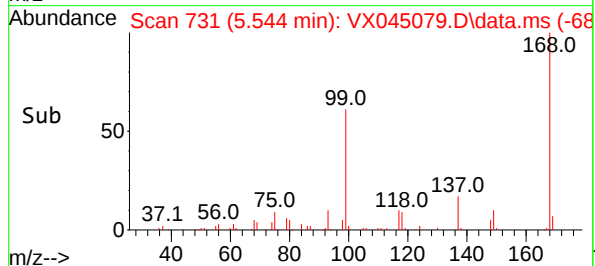
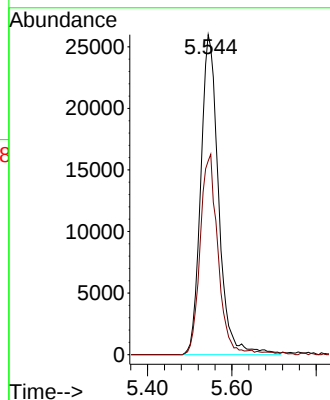
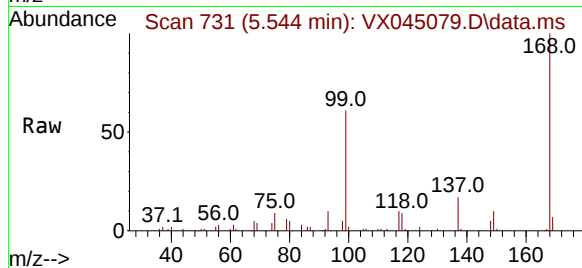




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.544 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: VX045079.D  
Acq: 28 Feb 2025 11:23

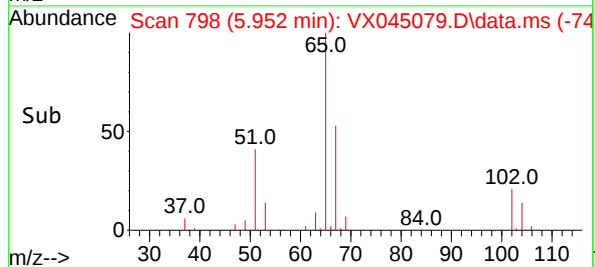
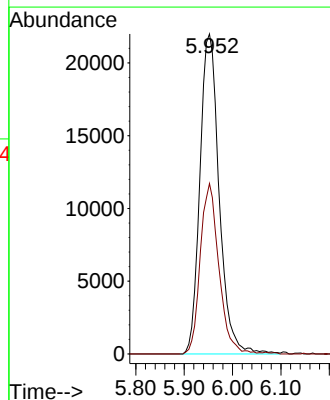
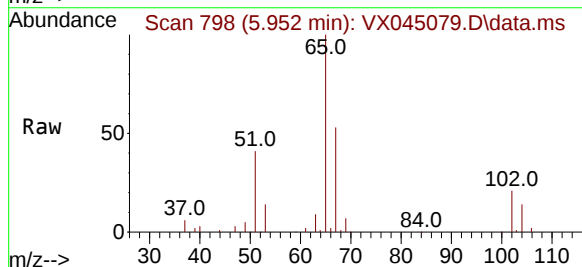
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0228WBL01

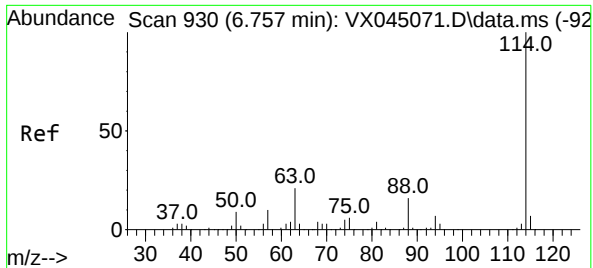
Tgt Ion:168 Resp: 76430  
Ion Ratio Lower Upper  
168 100  
99 60.6 48.2 72.4



#33  
1,2-Dichloroethane-d4  
Concen: 50.017 ug/l  
RT: 5.952 min Scan# 798  
Delta R.T. -0.000 min  
Lab File: VX045079.D  
Acq: 28 Feb 2025 11:23

Tgt Ion: 65 Resp: 60807  
Ion Ratio Lower Upper  
65 100  
67 51.5 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 91

Delta R.T. -0.000 min

Lab File: VX045079.D

Acq: 28 Feb 2025 11:23

Instrument :

MSVOA\_X

ClientSampleId :

VX0228WBL01

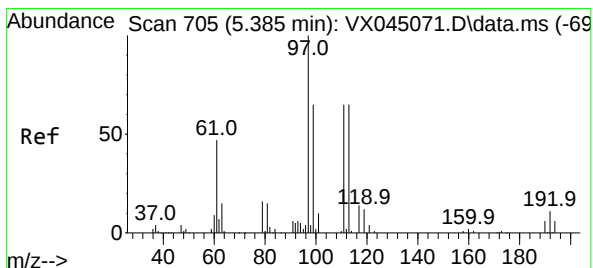
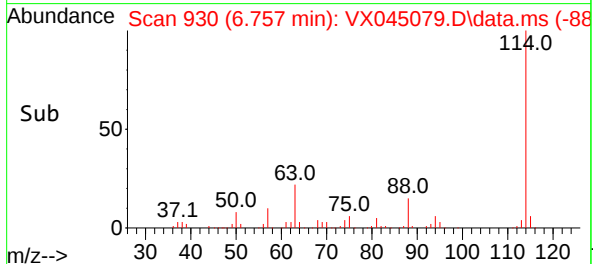
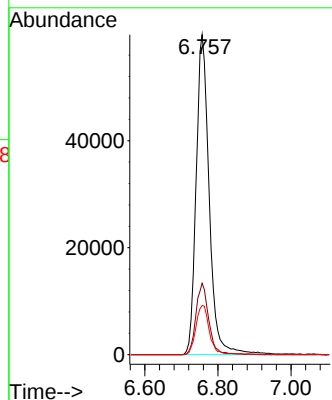
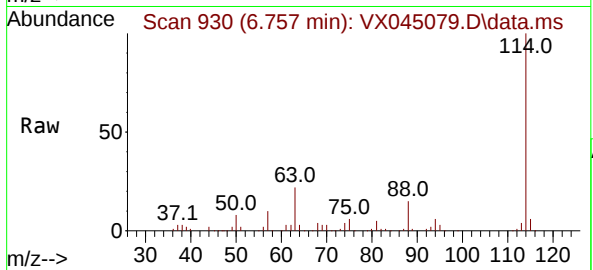
Tgt Ion:114 Resp: 149381

Ion Ratio Lower Upper

114 100

63 22.3 0.0 41.8

88 15.4 0.0 32.8



#35

Dibromofluoromethane

Concen: 50.970 ug/l

RT: 5.385 min Scan# 705

Delta R.T. -0.000 min

Lab File: VX045079.D

Acq: 28 Feb 2025 11:23

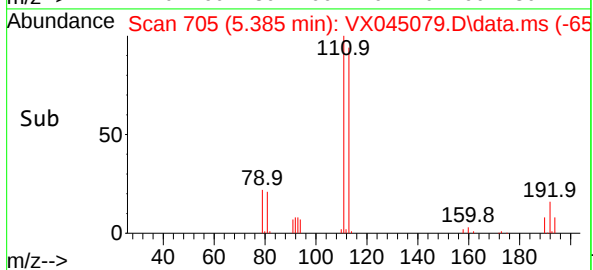
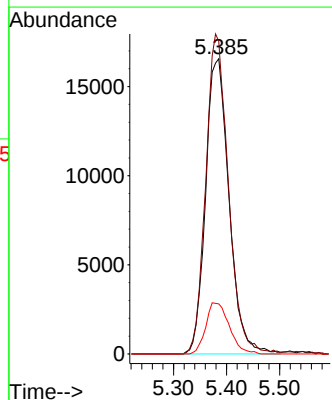
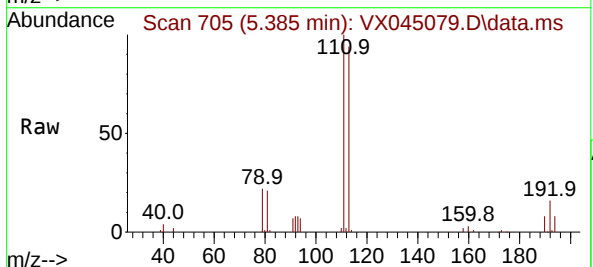
Tgt Ion:113 Resp: 50912

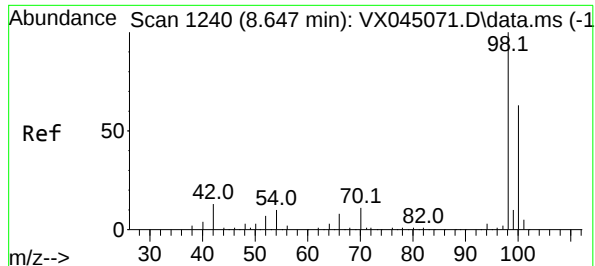
Ion Ratio Lower Upper

113 100

111 104.7 81.8 122.6

192 17.3 14.3 21.5





#50

Toluene-d8

Concen: 50.907 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX045079.D

Acq: 28 Feb 2025 11:23

Instrument :

MSVOA\_X

ClientSampleId :

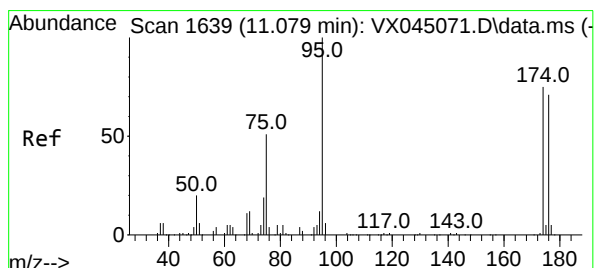
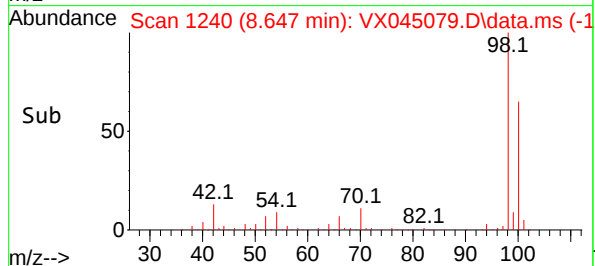
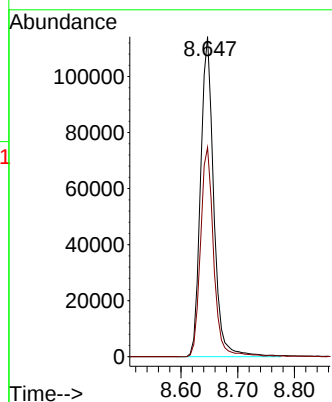
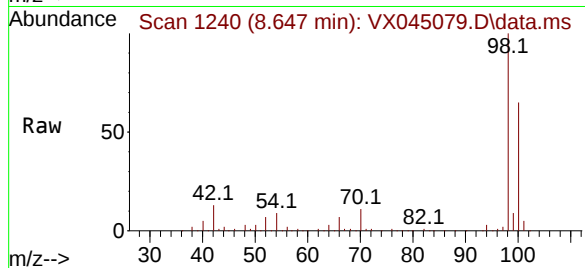
VX0228WBL01

Tgt Ion: 98 Resp: 184348

Ion Ratio Lower Upper

98 100

100 65.0 52.0 78.0



#62

4-Bromofluorobenzene

Concen: 53.307 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX045079.D

Acq: 28 Feb 2025 11:23

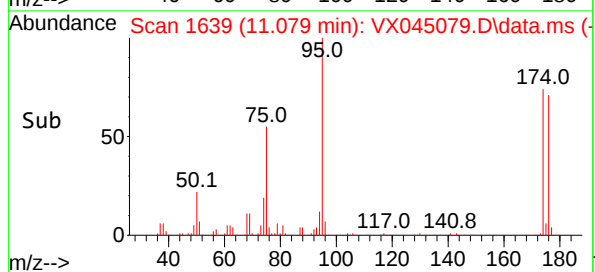
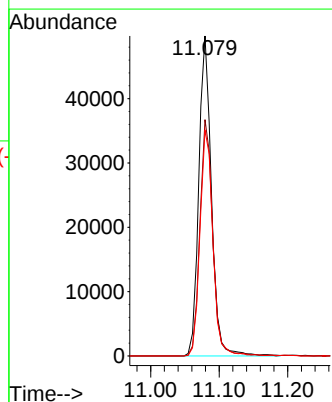
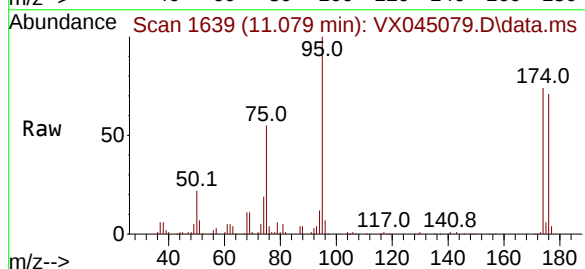
Tgt Ion: 95 Resp: 63967

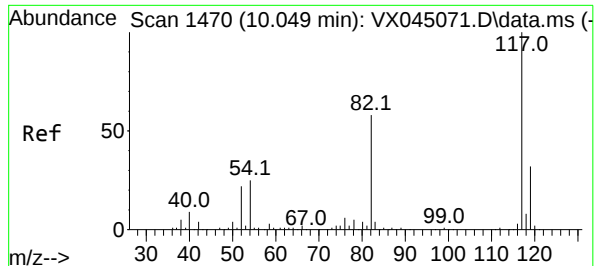
Ion Ratio Lower Upper

95 100

174 75.3 0.0 148.2

176 72.0 0.0 141.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. -0.000 min

Lab File: VX045079.D

Acq: 28 Feb 2025 11:23

Instrument :

MSVOA\_X

ClientSampleId :

VX0228WBL01

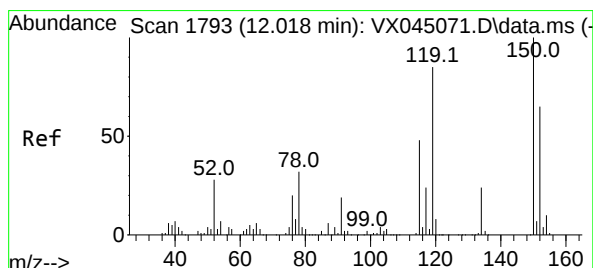
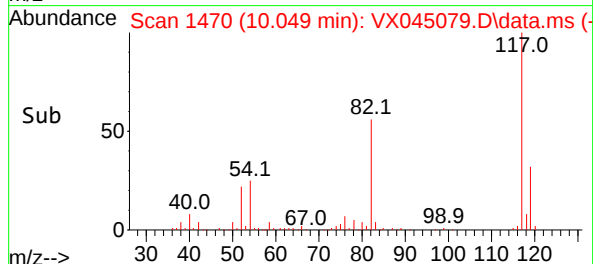
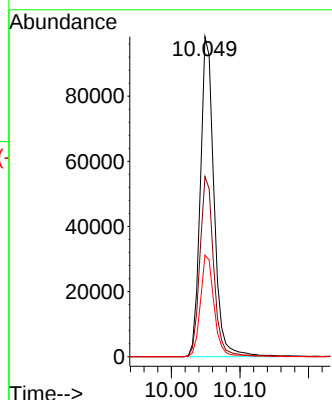
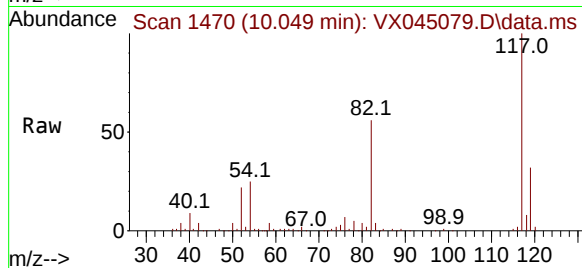
Tgt Ion:117 Resp: 137180

Ion Ratio Lower Upper

117 100

82 56.3 46.3 69.5

119 31.8 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VX045079.D

Acq: 28 Feb 2025 11:23

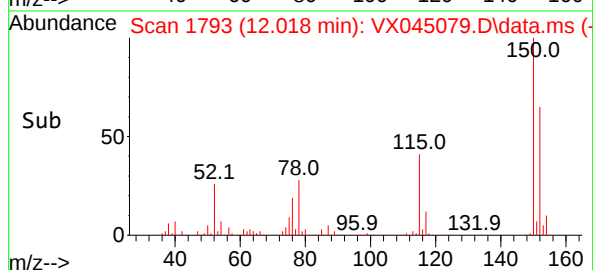
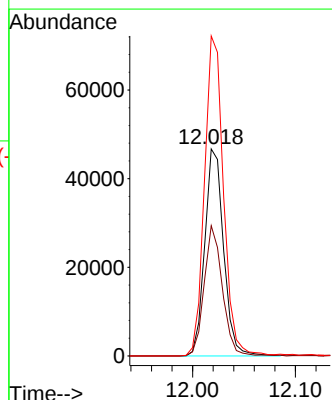
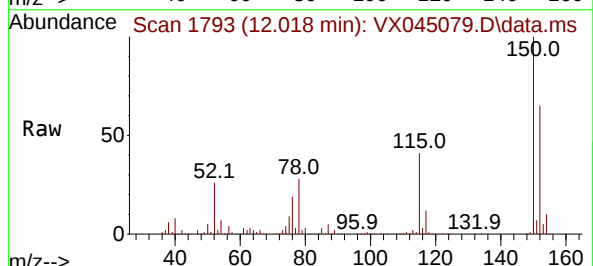
Tgt Ion:152 Resp: 59690

Ion Ratio Lower Upper

152 100

115 61.0 44.2 132.6

150 155.3 0.0 349.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX022825\  
 Data File : VX045079.D  
 Acq On : 28 Feb 2025 11:23  
 Operator : JC/MD  
 Sample : VX0228WBL01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0228WBL01

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\82X022825W.M

Title : SW846 8260

Signal : TIC: VX045079.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         | 1.240       | 21            | 25          | 33           | rBV2     | 5155           | 10309         | 2.08%           | 0.401%        |
| 2         | 1.550       | 71            | 76          | 77           | rBV3     | 3715           | 4993          | 1.01%           | 0.194%        |
| 3         | 2.934       | 297           | 303         | 313          | rVB3     | 2413           | 6057          | 1.22%           | 0.235%        |
| 4         | 5.379       | 693           | 704         | 718          | rBV2     | 56363          | 169918        | 34.26%          | 6.602%        |
| 5         | 5.544       | 721           | 731         | 746          | rBV      | 78513          | 230077        | 46.39%          | 8.939%        |
| 6         | 5.952       | 789           | 798         | 819          | rVB2     | 62701          | 171866        | 34.66%          | 6.678%        |
| 7         | 6.757       | 920           | 930         | 943          | rBV      | 142345         | 350769        | 70.73%          | 13.629%       |
| 8         | 8.647       | 1233          | 1240        | 1253         | rBV      | 305517         | 495929        | 100.00%         | 19.269%       |
| 9         | 10.049      | 1465          | 1470        | 1484         | rBV      | 315776         | 436998        | 88.12%          | 16.979%       |
| 10        | 11.079      | 1634          | 1639        | 1650         | rBV      | 247131         | 315742        | 63.67%          | 12.268%       |
| 11        | 12.018      | 1788          | 1793        | 1805         | rBV      | 302493         | 381118        | 76.85%          | 14.808%       |

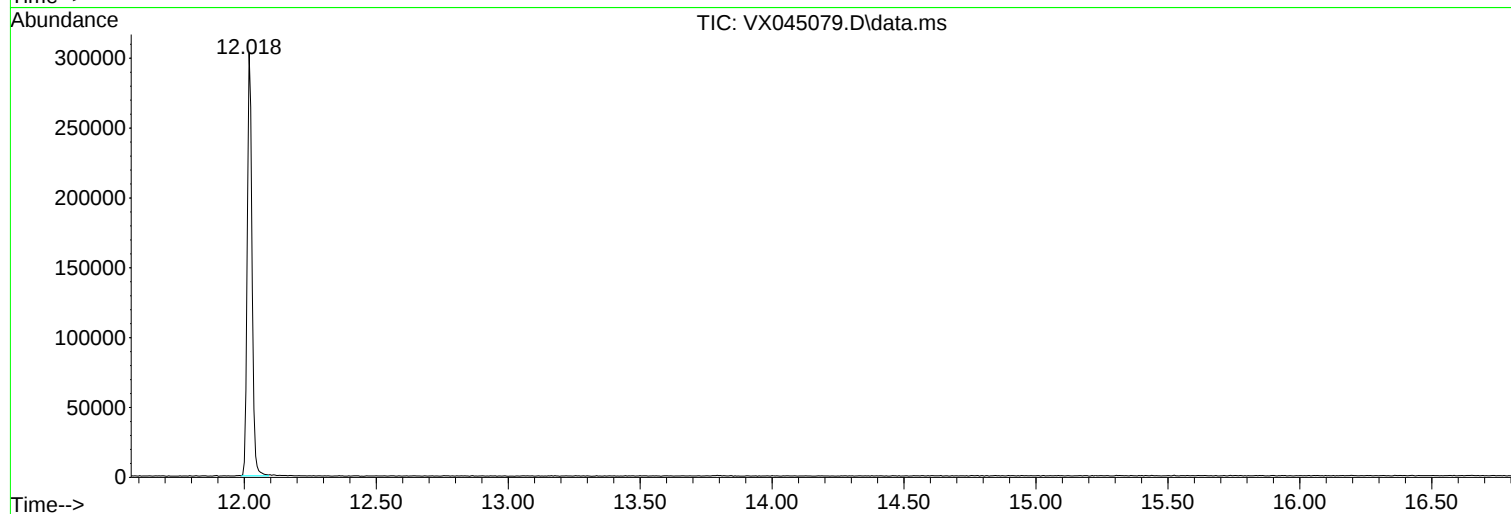
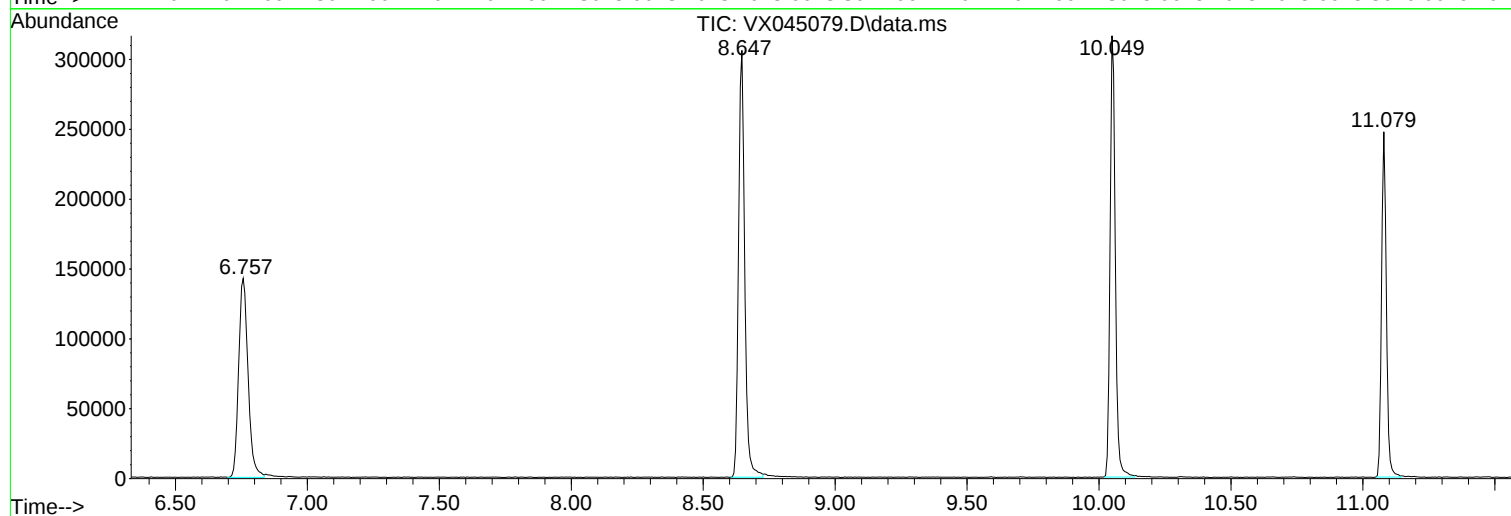
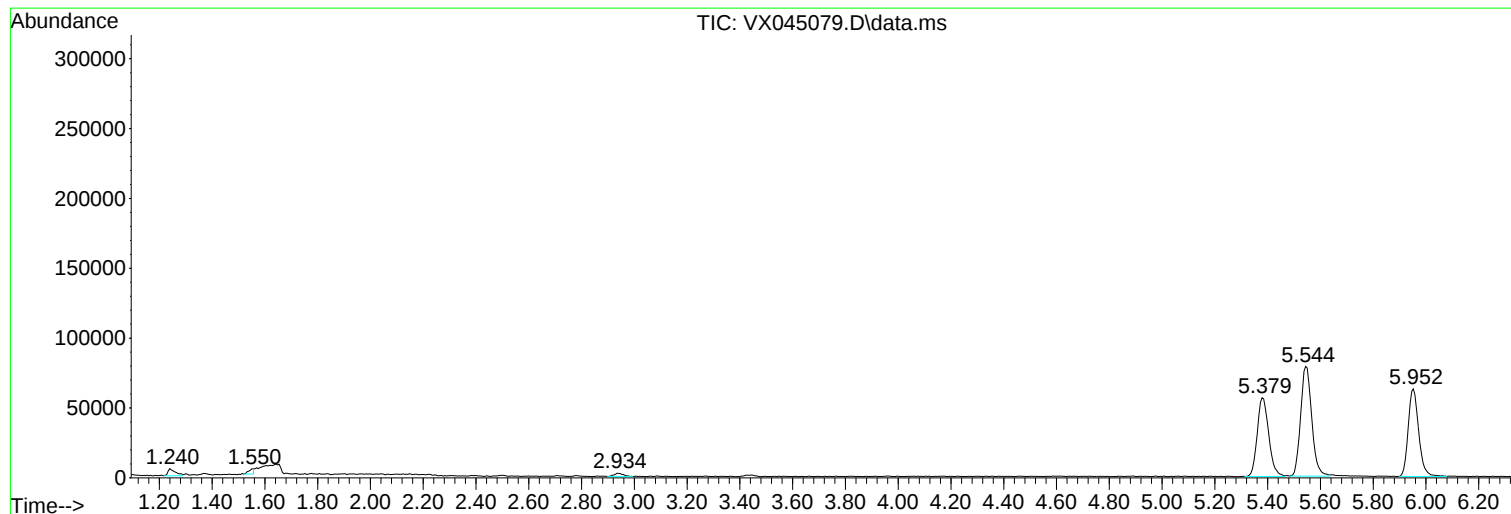
Sum of corrected areas: 2573776

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX022825\  
Data File : VX045079.D  
Acq On : 28 Feb 2025 11:23  
Operator : JC/MD  
Sample : VX0228WBL01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0228WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X022825W.M  
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX022825\  
Data File : VX045079.D  
Acq On : 28 Feb 2025 11:23  
Operator : JC/MD  
Sample : VX0228WBL01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0228WBL01

A

B

C

D

E

F

G

H

I

J

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X022825W.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\VX022825\  
Data File : VX045079.D  
Acq On : 28 Feb 2025 11:23  
Operator : JC/MD  
Sample : VX0228WBL01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0228WBL01

A

B

C

D

E

F

G

H

I

J

Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X022825W.M  
Quant Title : SW846 8260

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX022825\  
 Data File : VX045080.D  
 Acq On : 28 Feb 2025 11:46  
 Operator : JC/MD  
 Sample : VX0228WBS01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0228WBS01

Quant Time: Feb 28 14:28:21 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X022825W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 28 06:45:16 2025  
 Response via : Initial Calibration

### Manual Integrations APPROVED

Reviewed By : John Carlone 02/28/2025  
 Supervised By : Mahesh Dadoda 03/03/2025

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 5.544  | 168  | 108329   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 6.757  | 114  | 192724   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 10.049 | 117  | 169474   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 12.018 | 152  | 76472    | 50.000 | ug/l  | 0.00     |

### System Monitoring Compounds

|                           |        |       |          |          |      |          |
|---------------------------|--------|-------|----------|----------|------|----------|
| 33) 1,2-Dichloroethane-d4 | 5.952  | 65    | 80881    | 46.938   | ug/l | 0.00     |
| Spiked Amount             | 50.000 | Range | 74 - 125 | Recovery | =    | 93.880%  |
| 35) Dibromofluoromethane  | 5.379  | 113   | 62124    | 48.207   | ug/l | 0.00     |
| Spiked Amount             | 50.000 | Range | 75 - 124 | Recovery | =    | 96.420%  |
| 50) Toluene-d8            | 8.647  | 98    | 233874   | 50.059   | ug/l | 0.00     |
| Spiked Amount             | 50.000 | Range | 86 - 113 | Recovery | =    | 100.120% |
| 62) 4-Bromofluorobenzene  | 11.079 | 95    | 78964    | 51.005   | ug/l | 0.00     |
| Spiked Amount             | 50.000 | Range | 77 - 121 | Recovery | =    | 102.020% |

### Target Compounds

|                              |       |     |        |         |      | Qvalue |
|------------------------------|-------|-----|--------|---------|------|--------|
| 2) Dichlorodifluoromethane   | 1.166 | 85  | 25993  | 19.062  | ug/l | 98     |
| 3) Chloromethane             | 1.301 | 50  | 31053  | 18.608  | ug/l | 96     |
| 4) Vinyl Chloride            | 1.374 | 62  | 30398  | 18.363  | ug/l | 96     |
| 5) Bromomethane              | 1.593 | 94  | 11496  | 17.665  | ug/l | 98     |
| 6) Chloroethane              | 1.660 | 64  | 12662  | 16.582  | ug/l | 99     |
| 7) Trichlorofluoromethane    | 1.868 | 101 | 40845  | 18.638  | ug/l | 100    |
| 8) Diethyl Ether             | 2.136 | 74  | 14376  | 16.771  | ug/l | 92     |
| 9) 1,1,2-Trichlorotrifluo... | 2.319 | 101 | 25054  | 19.899  | ug/l | 99     |
| 10) Methyl Iodide            | 2.441 | 142 | 27491  | 17.472  | ug/l | 97     |
| 11) Tert butyl alcohol       | 2.995 | 59  | 26171  | 80.184  | ug/l | 99     |
| 12) 1,1-Dichloroethene       | 2.306 | 96  | 24097  | 18.103  | ug/l | 97     |
| 13) Acrolein                 | 2.239 | 56  | 42643  | 113.023 | ug/l | 98     |
| 14) Allyl chloride           | 2.654 | 41  | 44238  | 18.670  | ug/l | 99     |
| 15) Acrylonitrile            | 3.069 | 53  | 78022  | 89.193  | ug/l | 98     |
| 16) Acetone                  | 2.386 | 43  | 66572  | 83.269  | ug/l | 100    |
| 17) Carbon Disulfide         | 2.502 | 76  | 62721  | 17.691  | ug/l | 97     |
| 18) Methyl Acetate           | 2.709 | 43  | 33660  | 17.501  | ug/l | 99     |
| 19) Methyl tert-butyl Ether  | 3.117 | 73  | 79756  | 17.859  | ug/l | 98     |
| 20) Methylene Chloride       | 2.782 | 84  | 28274  | 17.853  | ug/l | 98     |
| 21) trans-1,2-Dichloroethene | 3.087 | 96  | 24403  | 18.556  | ug/l | 95     |
| 22) Diisopropyl ether        | 3.764 | 45  | 89611  | 18.596  | ug/l | 94     |
| 23) Vinyl Acetate            | 3.721 | 43  | 377536 | 93.881  | ug/l | 99     |
| 24) 1,1-Dichloroethane       | 3.599 | 63  | 48272  | 17.874  | ug/l | 99     |
| 25) 2-Butanone               | 4.562 | 43  | 110248 | 91.613  | ug/l | 100    |
| 26) 2,2-Dichloropropane      | 4.471 | 77  | 33053  | 26.092  | ug/l | 99     |
| 27) cis-1,2-Dichloroethene   | 4.489 | 96  | 29539  | 18.196  | ug/l | 96     |
| 28) Bromochloromethane       | 4.891 | 49  | 22404  | 17.404  | ug/l | 98     |
| 29) Tetrahydrofuran          | 5.007 | 42  | 71331  | 88.264  | ug/l | 99     |
| 30) Chloroform               | 5.086 | 83  | 48521  | 18.082  | ug/l | 97     |
| 31) Cyclohexane              | 5.458 | 56  | 45303  | 19.324  | ug/l | 99     |
| 32) 1,1,1-Trichloroethane    | 5.379 | 97  | 39336  | 18.150  | ug/l | 99     |
| 36) 1,1-Dichloropropene      | 5.684 | 75  | 33230  | 18.803  | ug/l | 99     |
| 37) Ethyl Acetate            | 4.715 | 43  | 40562  | 17.811  | ug/l | 98     |
| 38) Carbon Tetrachloride     | 5.666 | 117 | 33280  | 18.548  | ug/l | 96     |
| 39) Methylcyclohexane        | 7.373 | 83  | 44081  | 20.816  | ug/l | 97     |
| 40) Benzene                  | 6.031 | 78  | 106228 | 19.035  | ug/l | 99     |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX022825\  
 Data File : VX045080.D  
 Acq On : 28 Feb 2025 11:46  
 Operator : JC/MD  
 Sample : VX0228WBS01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0228WBS01

### Manual Integrations APPROVED

Reviewed By :John Carlone 02/28/2025  
 Supervised By :Mahesh Dadoda 03/03/2025

Quant Time: Feb 28 14:28:21 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X022825W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 28 06:45:16 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.922  | 41   | 22360    | 18.159  | ug/l   | 97       |
| 42) 1,2-Dichloroethane        | 6.086  | 62   | 37297    | 18.559  | ug/l   | 100      |
| 43) Isopropyl Acetate         | 6.342  | 43   | 64239    | 19.076  | ug/l   | 99       |
| 44) Trichloroethene           | 7.123  | 130  | 24390    | 18.612  | ug/l   | 93       |
| 45) 1,2-Dichloropropane       | 7.428  | 63   | 26709    | 18.614  | ug/l   | 96       |
| 46) Dibromomethane            | 7.580  | 93   | 19218    | 18.949  | ug/l   | 99       |
| 47) Bromodichloromethane      | 7.818  | 83   | 37048    | 18.624  | ug/l   | 99       |
| 48) Methyl methacrylate       | 7.690  | 41   | 30953    | 18.322  | ug/l   | 97       |
| 49) 1,4-Dioxane               | 7.665  | 88   | 13158    | 369.225 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 216153   | 95.598  | ug/l   | 100      |
| 52) Toluene                   | 8.714  | 92   | 64270    | 19.628  | ug/l   | 98       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 32395    | 19.479  | ug/l   | 95       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 38727    | 19.970  | ug/l   | 100      |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 25711    | 19.074  | ug/l   | 98       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 38638    | 18.857  | ug/l   | 99       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 44044    | 18.881  | ug/l   | 98       |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 99991    | 100.039 | ug/l   | 99       |
| 59) 2-Hexanone                | 9.433  | 43   | 158894   | 96.991  | ug/l   | 100      |
| 60) Dibromochloromethane      | 9.519  | 129  | 26039    | 18.475  | ug/l   | 96       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 25976    | 19.303  | ug/l   | 97       |
| 64) Tetrachloroethene         | 9.269  | 164  | 20636    | 19.012  | ug/l   | 98       |
| 65) Chlorobenzene             | 10.079 | 112  | 70182    | 19.571  | ug/l   | 95       |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 21951    | 18.381  | ug/l   | 98       |
| 67) Ethyl Benzene             | 10.189 | 91   | 121335   | 19.418  | ug/l   | 100      |
| 68) m/p-Xylenes               | 10.299 | 106  | 91808    | 40.136  | ug/l   | 99       |
| 69) o-Xylene                  | 10.640 | 106  | 45354    | 19.659  | ug/l   | 98       |
| 70) Styrene                   | 10.653 | 104  | 75515    | 20.230  | ug/l   | 98       |
| 71) Bromoform                 | 10.799 | 173  | 16386    | 18.196  | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.957 | 105  | 115731   | 19.389  | ug/l   | 100      |
| 74) N-amyl acetate            | 10.842 | 43   | 53161    | 18.981  | ug/l   | 100      |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 40107    | 18.311  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 31765m   | 17.847  | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 26840    | 19.058  | ug/l   | 99       |
| 78) n-propylbenzene           | 11.305 | 91   | 135011   | 20.023  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 11.360 | 91   | 81025    | 18.869  | ug/l   | 100      |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 96986    | 20.095  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 9262     | 17.808  | ug/l   | 90       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 90109    | 19.254  | ug/l   | 98       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 95461    | 19.251  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 95268    | 19.618  | ug/l   | 99       |
| 85) sec-Butylbenzene          | 11.890 | 105  | 118388   | 19.930  | ug/l   | 99       |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 97752    | 20.363  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 48888    | 19.459  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.036 | 146  | 49240    | 19.373  | ug/l   | 99       |
| 89) n-Butylbenzene            | 12.329 | 91   | 84515    | 20.441  | ug/l   | 100      |
| 90) Hexachloroethane          | 12.536 | 117  | 16106    | 18.549  | ug/l   | 97       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 48893    | 19.400  | ug/l   | 100      |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75   | 7561     | 17.719  | ug/l   | 98       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 28247    | 19.684  | ug/l   | 99       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 11980    | 20.362  | ug/l   | 99       |
| 95) Naphthalene               | 13.774 | 128  | 106065   | 19.237  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 30059    | 19.855  | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX022825\  
Data File : VX045080.D  
Acq On : 28 Feb 2025 11:46  
Operator : JC/MD  
Sample : VX0228WBS01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Feb 28 14:28:21 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X022825W.M  
Quant Title : SW846 8260  
QLast Update : Fri Feb 28 06:45:16 2025  
Response via : Initial Calibration

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0228WBS01

Manual Integrations  
APPROVED

Reviewed By :John Carlone 02/28/2025  
Supervised By :Mahesh Dadoda 03/03/2025

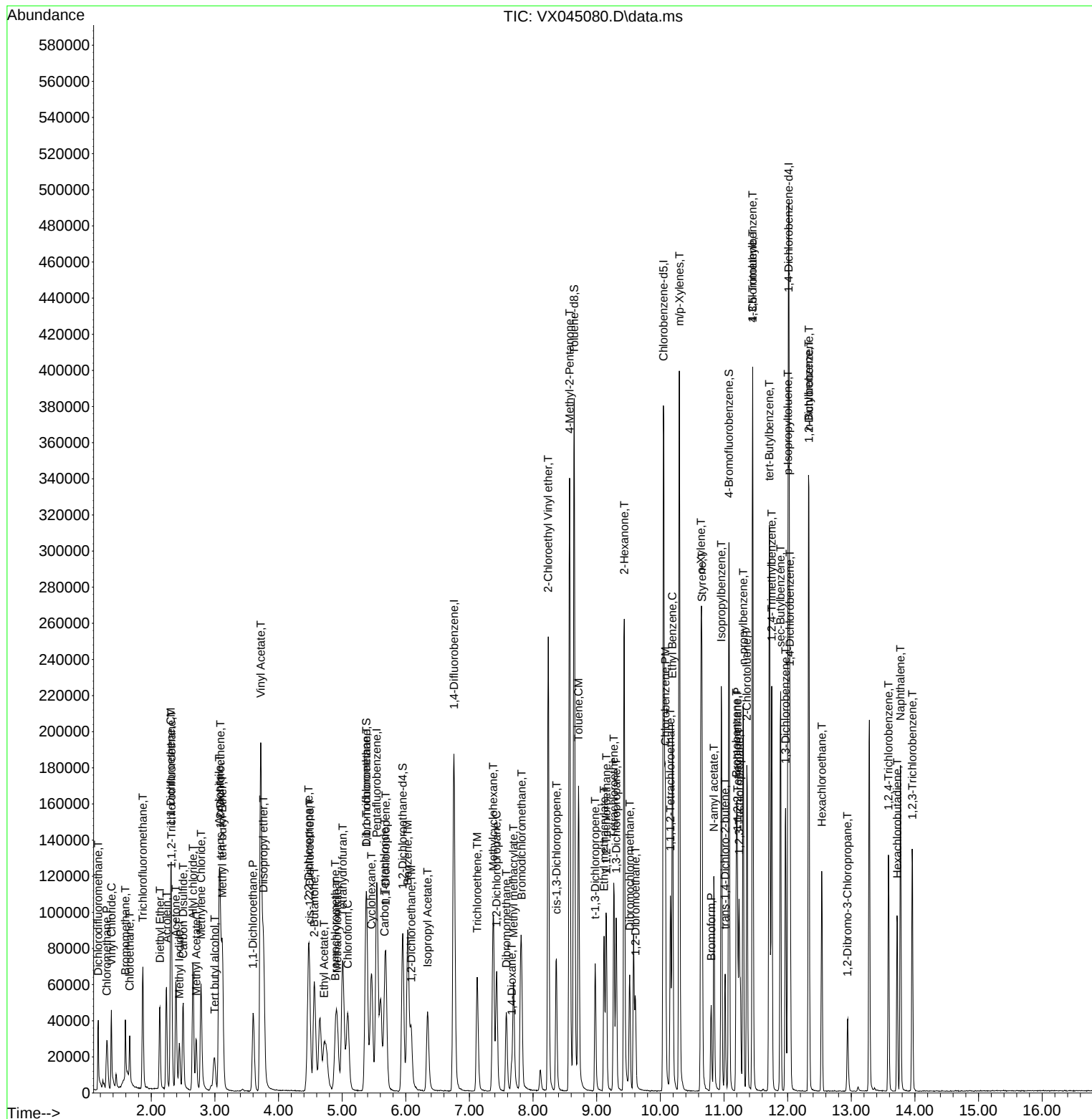
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

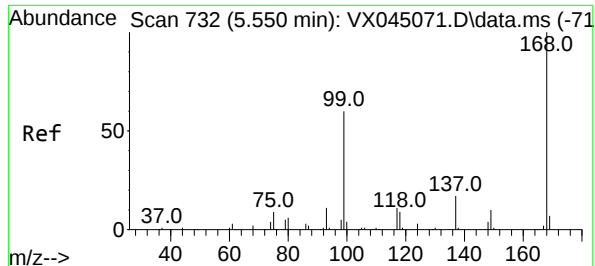
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

**Instrument :**  
MSVOA\_X  
**ClientSampleId :**  
VX0228WBS01

## Manual Integrations APPROVED

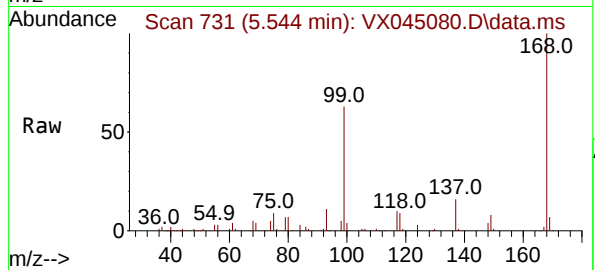
Reviewed By :John Carlone 02/28/2025  
Supervised By :Mahesh Dadoda 03/03/2025





#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.544 min Scan# 71  
Delta R.T. -0.006 min  
Lab File: VX045080.D  
Acq: 28 Feb 2025 11:46

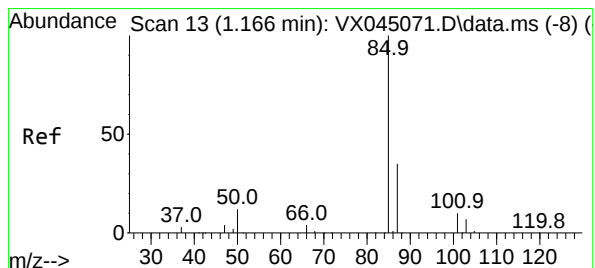
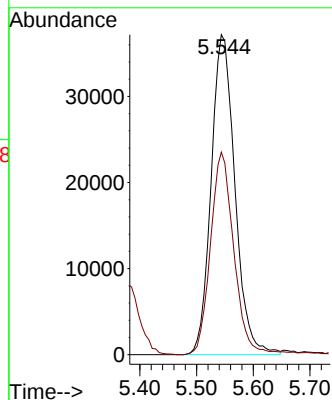
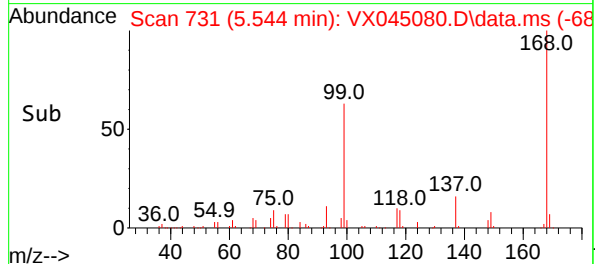
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0228WBS01



Tgt Ion:168 Resp: 108329  
Ion Ratio Lower Upper  
168 100  
99 63.3 48.2 72.4

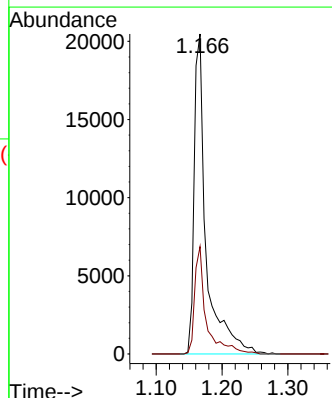
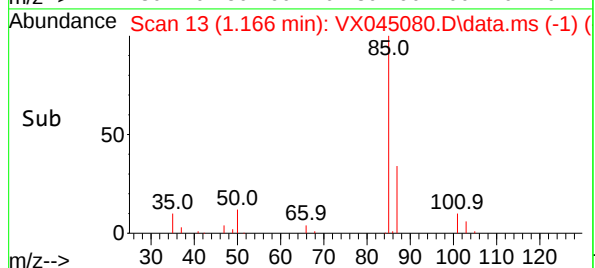
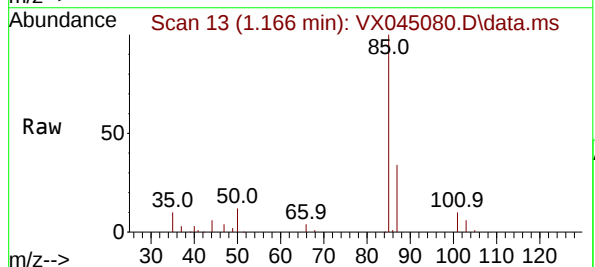
Manual Integrations  
APPROVED

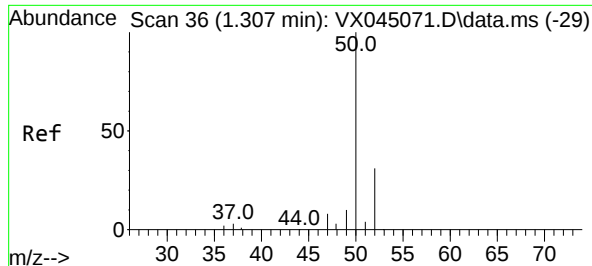
Reviewed By :John Carlone 02/28/2025  
Supervised By :Mahesh Dadoda 03/03/2025



#2  
Dichlorodifluoromethane  
Concen: 19.062 ug/l  
RT: 1.166 min Scan# 13  
Delta R.T. -0.000 min  
Lab File: VX045080.D  
Acq: 28 Feb 2025 11:46

Tgt Ion: 85 Resp: 25993  
Ion Ratio Lower Upper  
85 100  
87 33.5 17.4 52.3





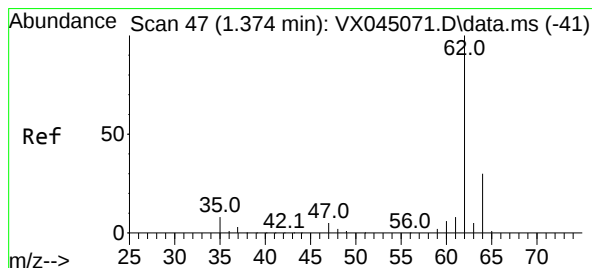
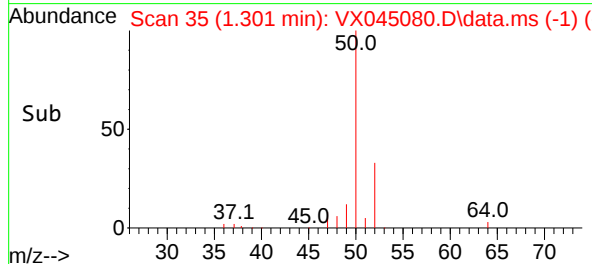
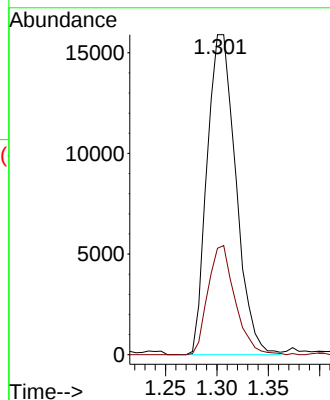
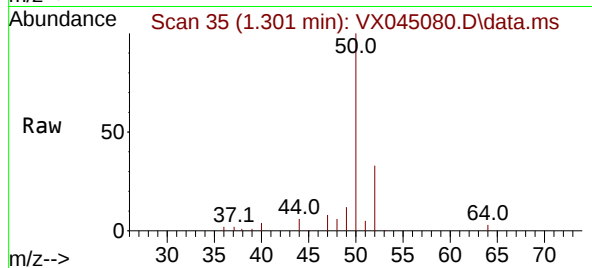
#3  
Chloromethane  
Concen: 18.608 ug/l  
RT: 1.301 min Scan# 31  
Delta R.T. -0.006 min  
Lab File: VX045080.D  
Acq: 28 Feb 2025 11:46

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0228WBS01

Tgt Ion: 50 Resp: 3105  
Ion Ratio Lower Upper  
50 100  
52 33.3 25.0 37.4

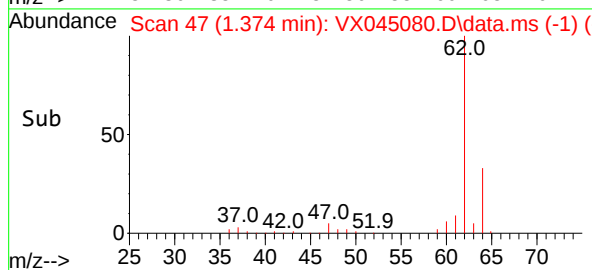
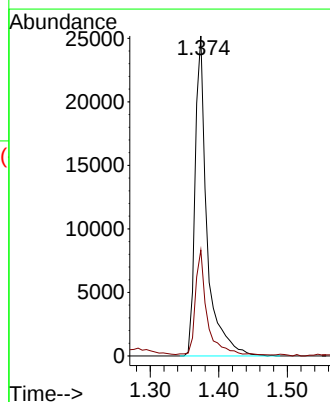
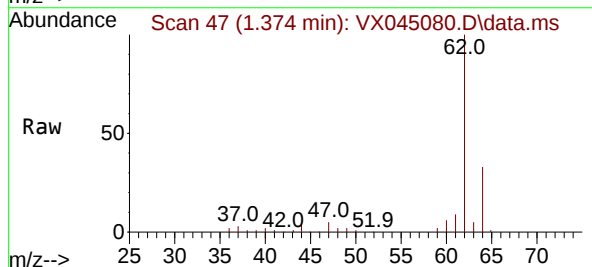
Manual Integrations  
APPROVED

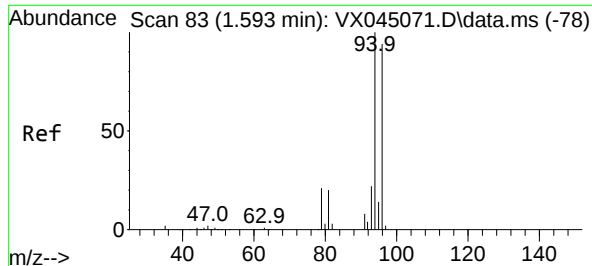
Reviewed By :John Carlone 02/28/2025  
Supervised By :Mahesh Dadoda 03/03/2025



#4  
Vinyl Chloride  
Concen: 18.363 ug/l  
RT: 1.374 min Scan# 47  
Delta R.T. -0.000 min  
Lab File: VX045080.D  
Acq: 28 Feb 2025 11:46

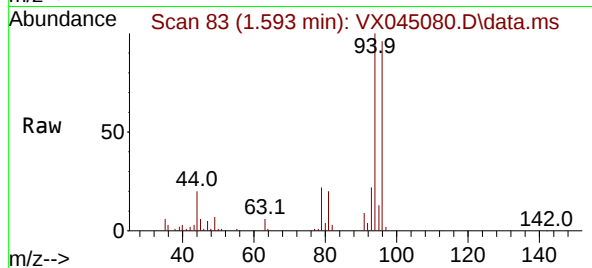
Tgt Ion: 62 Resp: 30398  
Ion Ratio Lower Upper  
62 100  
64 32.5 24.3 36.5





#5  
Bromomethane  
Concen: 17.665 ug/l  
RT: 1.593 min Scan# 83  
Delta R.T. -0.000 min  
Lab File: VX045080.D  
Acq: 28 Feb 2025 11:46

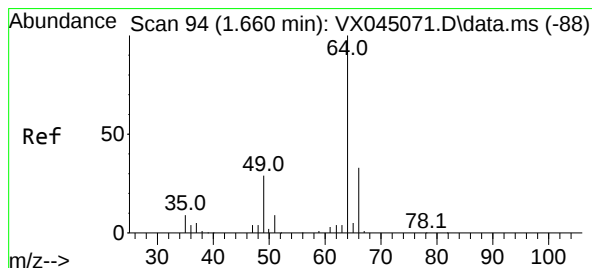
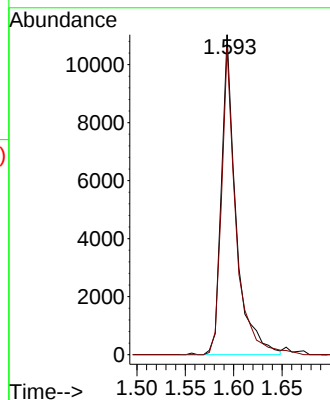
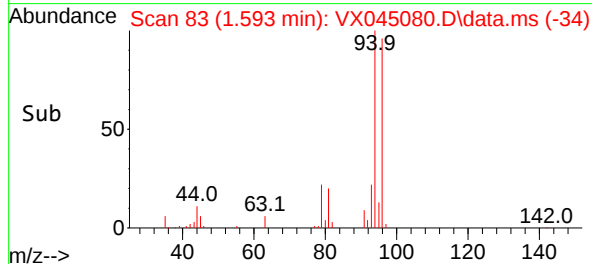
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0228WBS01



Tgt Ion: 94 Resp: 11490  
Ion Ratio Lower Upper  
94 100  
96 95.9 75.0 112.4

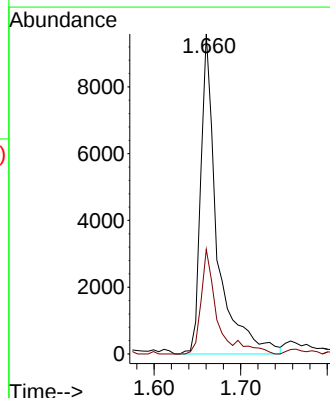
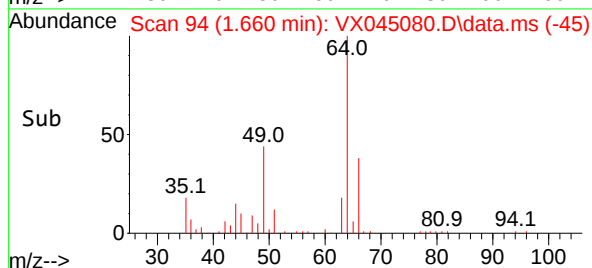
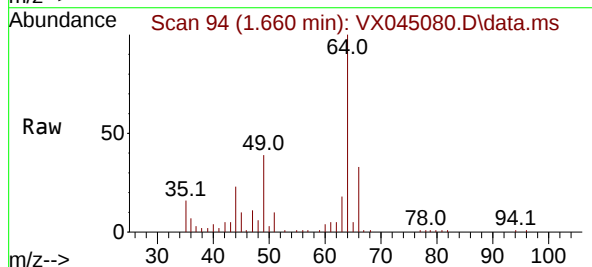
Manual Integrations  
APPROVED

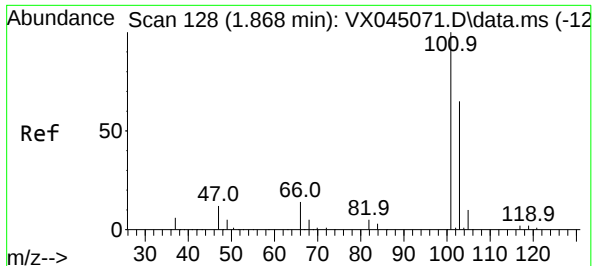
Reviewed By :John Carlone 02/28/2025  
Supervised By :Mahesh Dadoda 03/03/2025



#6  
Chloroethane  
Concen: 16.582 ug/l  
RT: 1.660 min Scan# 94  
Delta R.T. -0.000 min  
Lab File: VX045080.D  
Acq: 28 Feb 2025 11:46

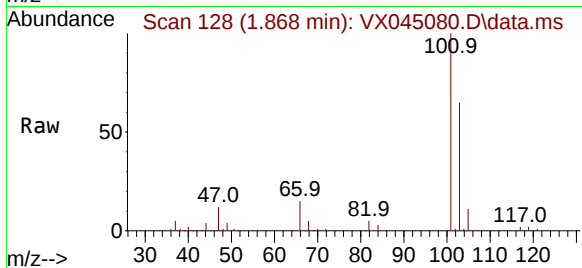
Tgt Ion: 64 Resp: 12662  
Ion Ratio Lower Upper  
64 100  
66 32.7 26.7 40.1





#7  
Trichlorofluoromethane  
Concen: 18.638 ug/l  
RT: 1.868 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX045080.D  
Acq: 28 Feb 2025 11:46

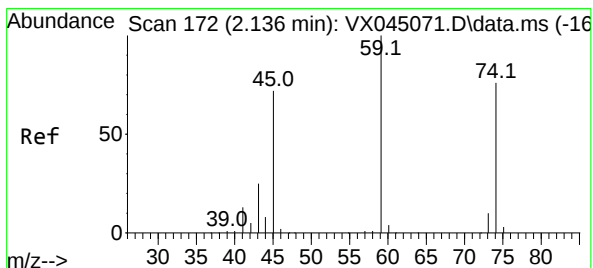
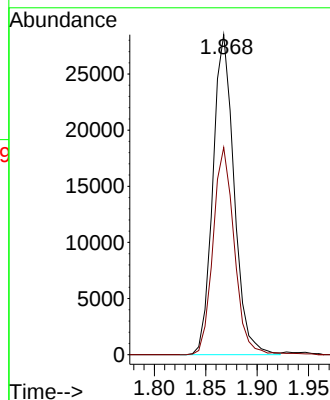
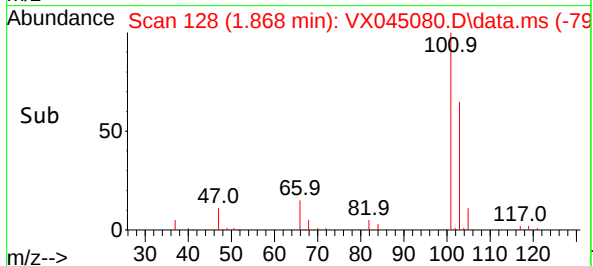
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0228WBS01



Tgt Ion:101 Resp: 4084  
Ion Ratio Lower Upper  
101 100  
103 64.7 52.1 78.1

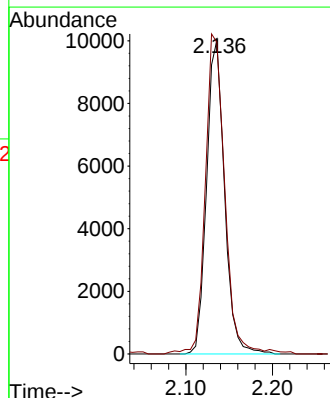
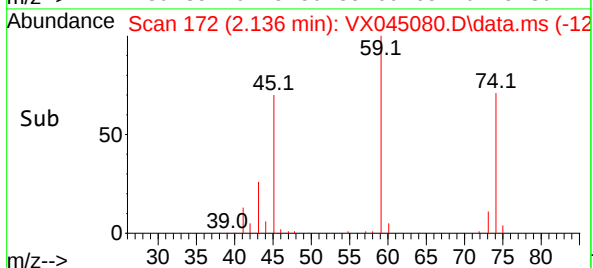
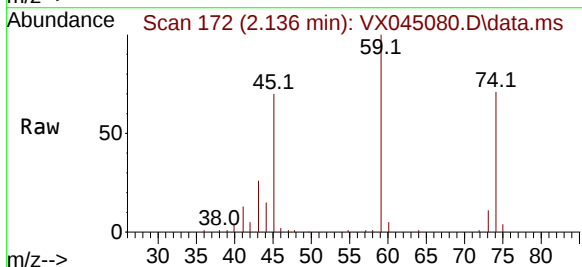
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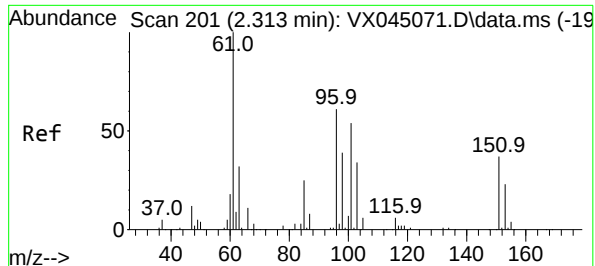
Reviewed By :John Carlone 02/28/2025  
Supervised By :Mahesh Dadoda 03/03/2025



#8  
Diethyl Ether  
Concen: 16.771 ug/l  
RT: 2.136 min Scan# 172  
Delta R.T. -0.000 min  
Lab File: VX045080.D  
Acq: 28 Feb 2025 11:46

Tgt Ion: 74 Resp: 14376  
Ion Ratio Lower Upper  
74 100  
45 111.0 51.5 154.5





#9

1,1,2-Trichlorotrifluoroethane

Concen: 19.899 ug/l

RT: 2.319 min Scan# 201

Delta R.T. 0.006 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

Instrument :

MSVOA\_X

ClientSampleId :

VX0228WBS01

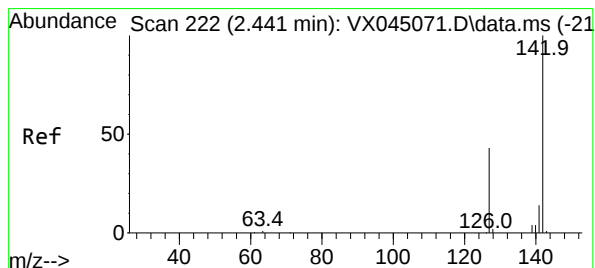
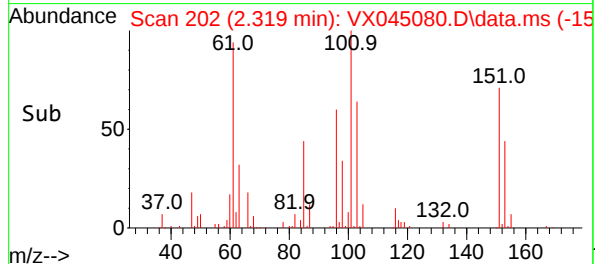
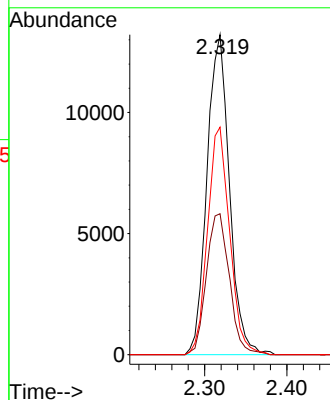
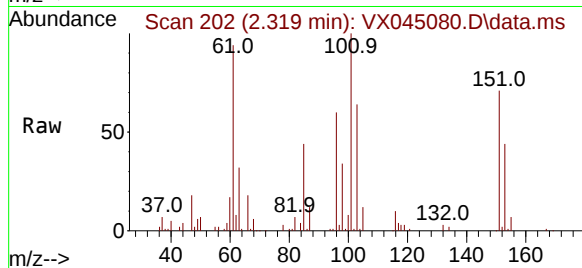
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 101   | Resp: | 25054 |
| Ion Ratio | Lower | Upper |       |
| 101       | 100   |       |       |
| 85        | 45.2  | 36.2  | 54.4  |
| 151       | 69.8  | 56.4  | 84.6  |

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 03/03/2025



#10

Methyl Iodide

Concen: 17.472 ug/l

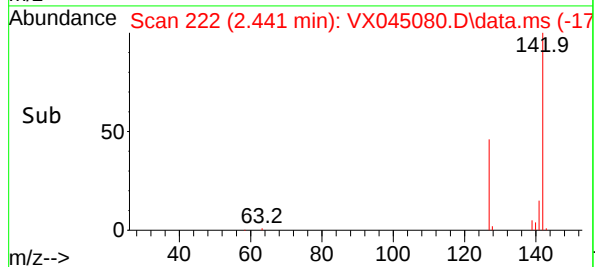
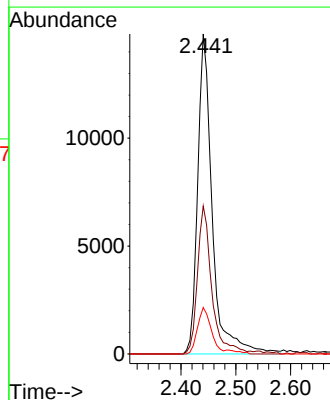
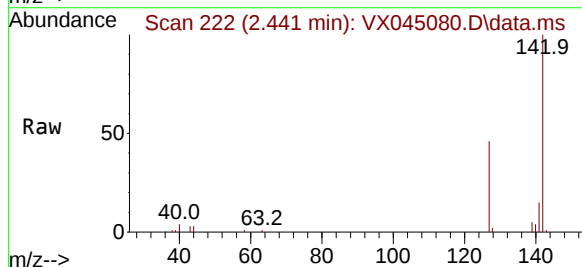
RT: 2.441 min Scan# 222

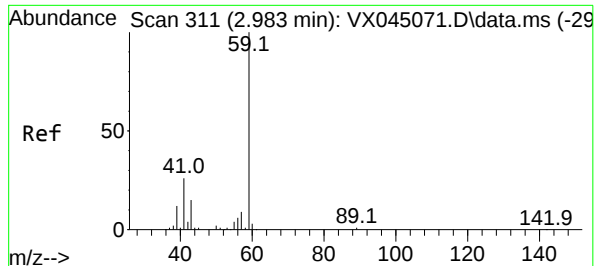
Delta R.T. -0.000 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 142   | Resp: | 27491 |
| Ion Ratio | Lower | Upper |       |
| 142       | 100   |       |       |
| 127       | 46.4  | 35.4  | 53.2  |
| 141       | 14.7  | 11.6  | 17.4  |





#11

Tert butyl alcohol

Concen: 80.184 ug/l

RT: 2.995 min Scan# 311

Delta R.T. 0.012 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

Instrument :

MSVOA\_X

ClientSampleId :

VX0228WBS01

Tgt Ion: 59 Resp: 2617

Ion Ratio Lower Upper

59 100

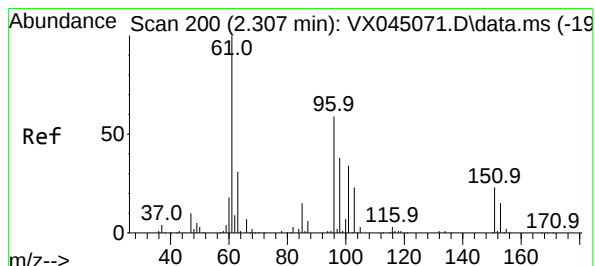
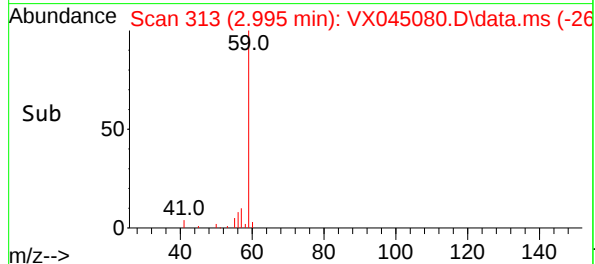
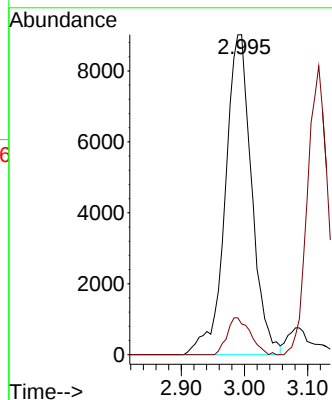
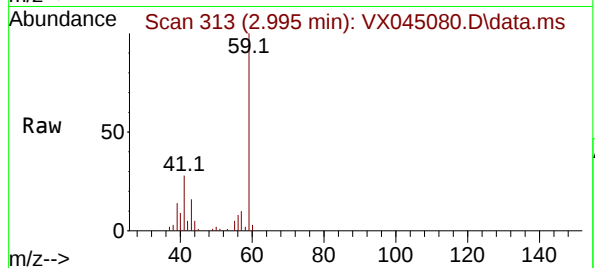
57 10.1 7.8 11.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 03/03/2025



#12

1,1-Dichloroethene

Concen: 18.103 ug/l

RT: 2.306 min Scan# 200

Delta R.T. -0.000 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

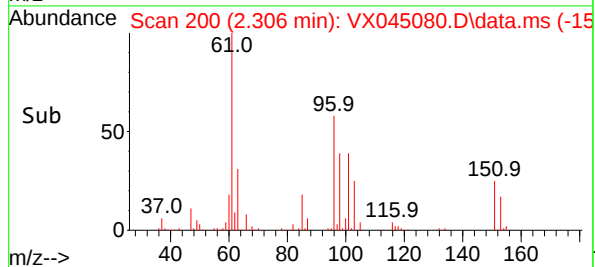
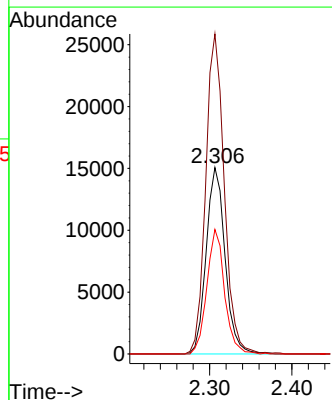
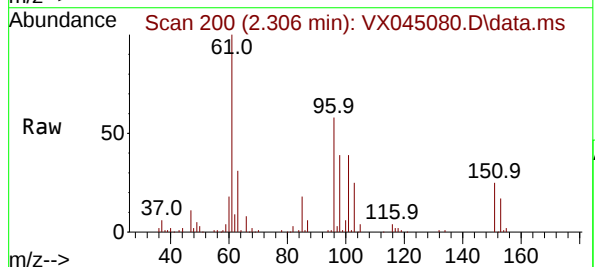
Tgt Ion: 96 Resp: 24097

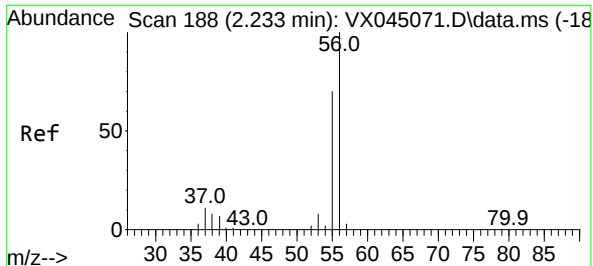
Ion Ratio Lower Upper

96 100

61 171.7 134.6 202.0

98 66.8 51.0 76.6





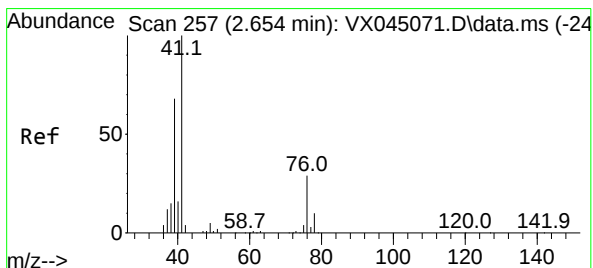
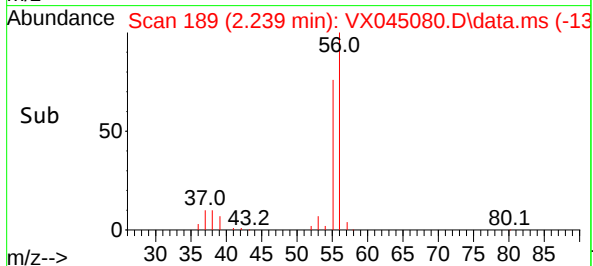
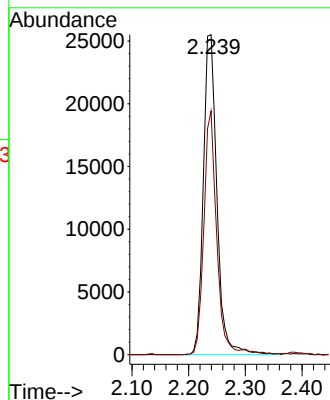
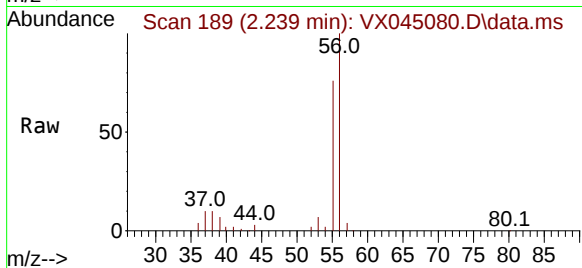
#13  
Acrolein  
Concen: 113.023 ug/l  
RT: 2.239 min Scan# 188  
Delta R.T. 0.006 min  
Lab File: VX045080.D  
Acq: 28 Feb 2025 11:46

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0228WBS01

Tgt Ion: 56 Resp: 4264  
Ion Ratio Lower Upper  
56 100  
55 72.2 56.2 84.4

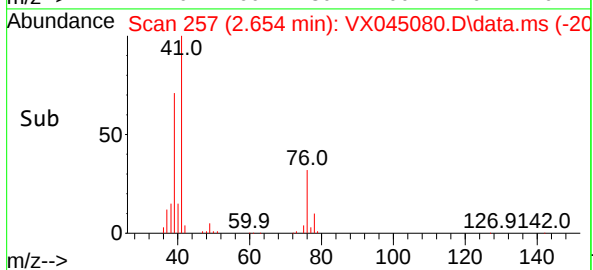
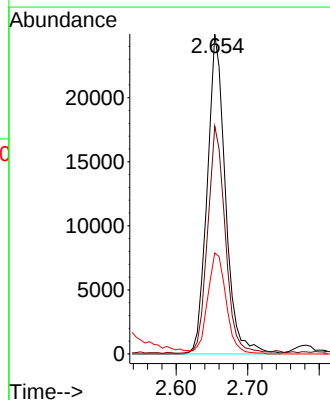
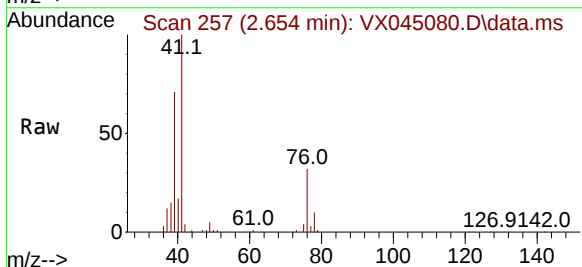
Manual Integrations  
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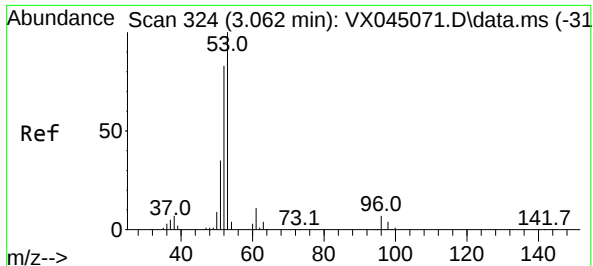
Reviewed By :John Carlone 02/28/2025  
Supervised By :Mahesh Dadoda 03/03/2025



#14  
Allyl chloride  
Concen: 18.670 ug/l  
RT: 2.654 min Scan# 257  
Delta R.T. -0.000 min  
Lab File: VX045080.D  
Acq: 28 Feb 2025 11:46

Tgt Ion: 41 Resp: 44238  
Ion Ratio Lower Upper  
41 100  
39 68.6 53.8 80.8  
76 32.0 25.2 37.8





#15

Acrylonitrile

Concen: 89.193 ug/l

RT: 3.069 min Scan# 31

Delta R.T. 0.006 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

Instrument :

MSVOA\_X

ClientSampleId :

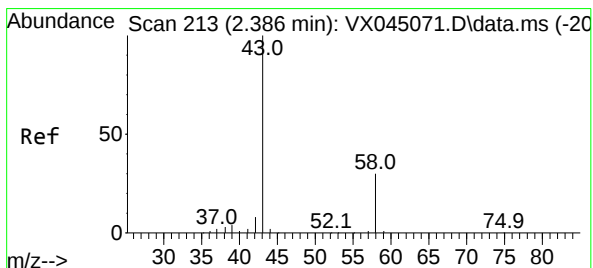
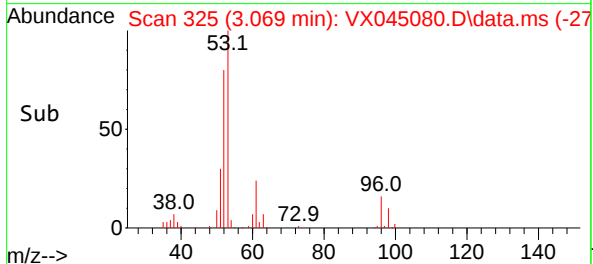
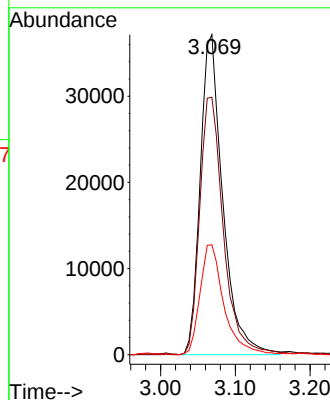
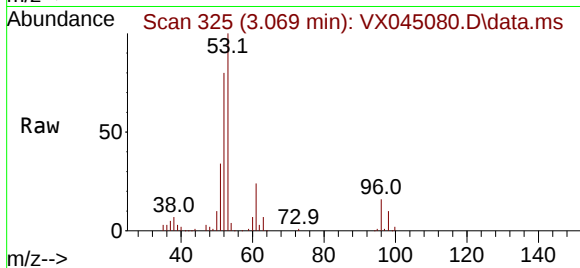
VX0228WBS01

|             |             |
|-------------|-------------|
| Tgt Ion: 53 | Resp: 7802  |
| Ion Ratio   | Lower Upper |
| 53 100      |             |
| 52 84.5     | 66.2 99.2   |
| 51 36.7     | 29.0 43.4   |

Manual Integrations  
APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 03/03/2025



#16

Acetone

Concen: 83.269 ug/l

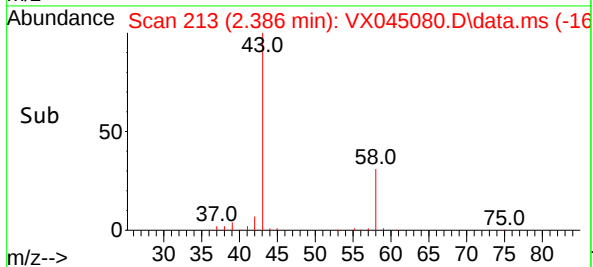
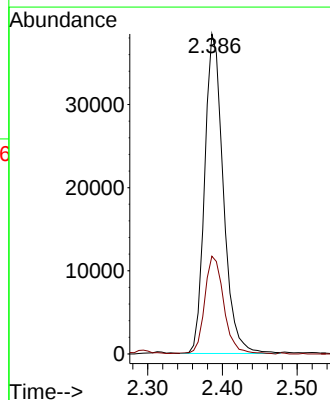
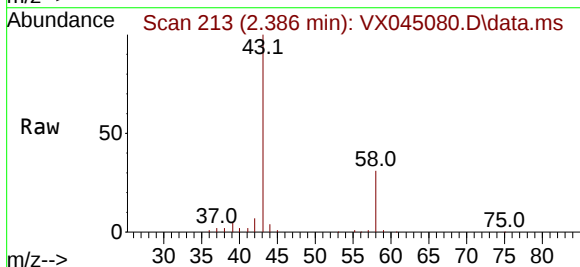
RT: 2.386 min Scan# 213

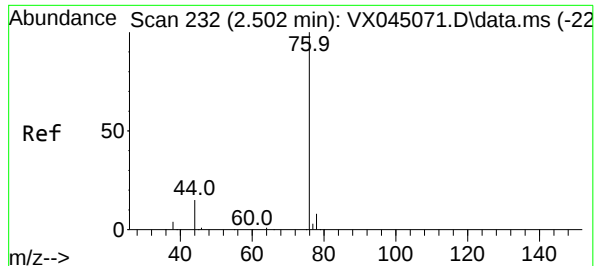
Delta R.T. -0.000 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

|             |             |
|-------------|-------------|
| Tgt Ion: 43 | Resp: 66572 |
| Ion Ratio   | Lower Upper |
| 43 100      |             |
| 58 30.4     | 24.2 36.4   |





#17

Carbon Disulfide

Concen: 17.691 ug/l

RT: 2.502 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

Instrument :

MSVOA\_X

ClientSampleId :

VX0228WBS01

Tgt Ion: 76 Resp: 6272

Ion Ratio Lower Upper

76 100

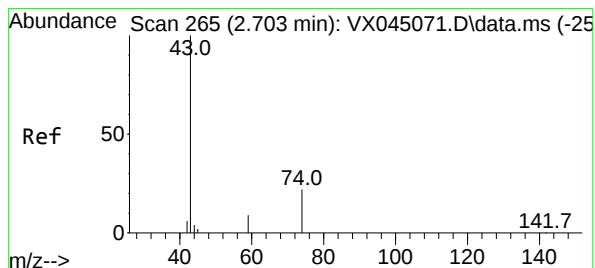
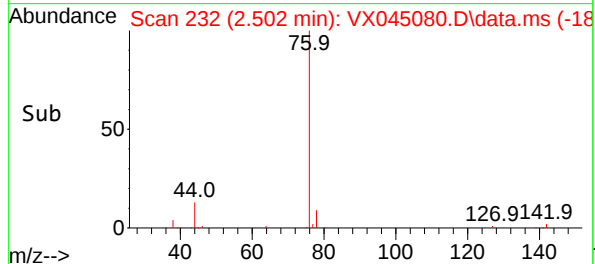
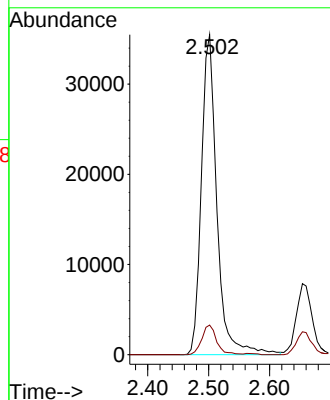
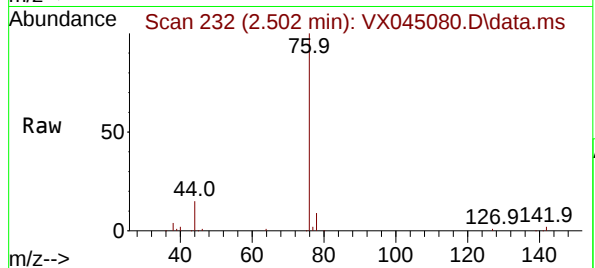
78 9.3 6.6 9.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 03/03/2025



#18

Methyl Acetate

Concen: 17.501 ug/l

RT: 2.709 min Scan# 266

Delta R.T. 0.006 min

Lab File: VX045080.D

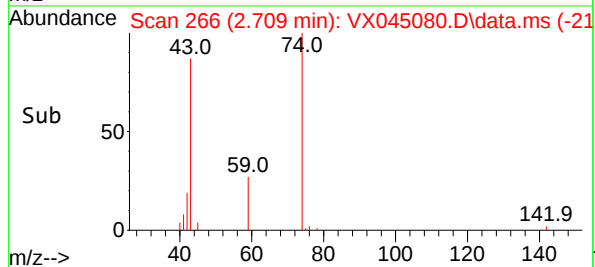
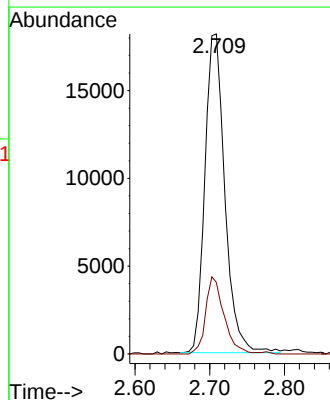
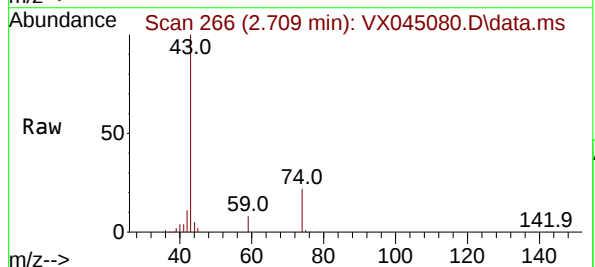
Acq: 28 Feb 2025 11:46

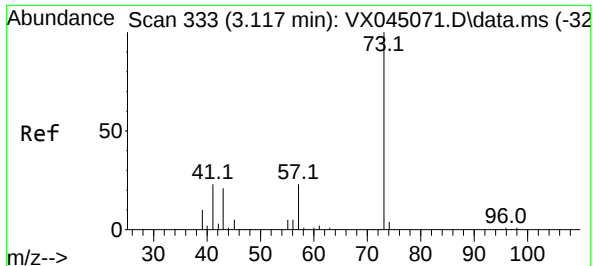
Tgt Ion: 43 Resp: 33660

Ion Ratio Lower Upper

43 100

74 22.2 17.4 26.2





#19

Methyl tert-butyl Ether

Concen: 17.859 ug/l

RT: 3.117 min Scan# 31

Delta R.T. -0.000 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

Instrument :

MSVOA\_X

ClientSampleId :

VX0228WBS01

Tgt Ion: 73 Resp: 79750

Ion Ratio Lower Upper

73 100

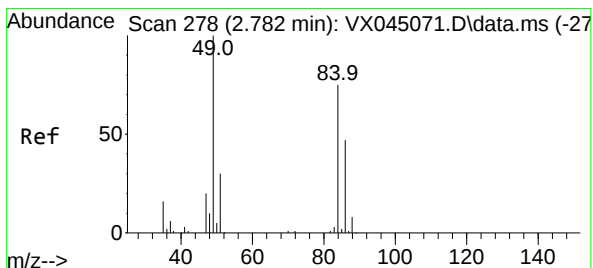
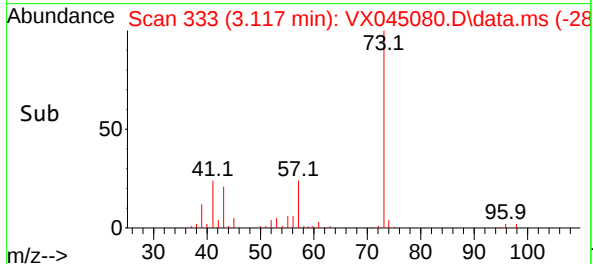
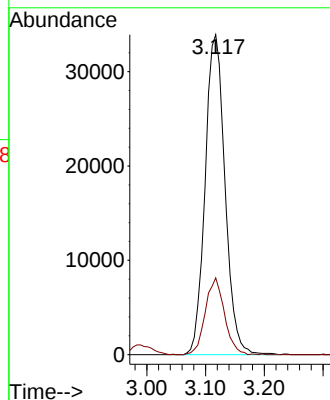
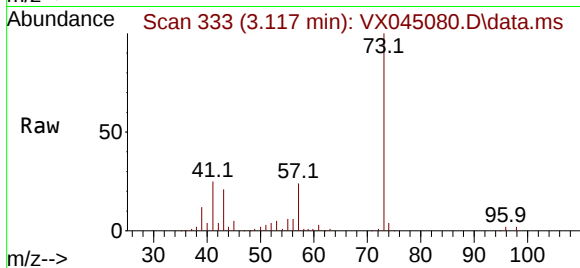
57 24.0 18.5 27.7

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Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 03/03/2025



#20

Methylene Chloride

Concen: 17.853 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.000 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

Tgt Ion: 84 Resp: 28274

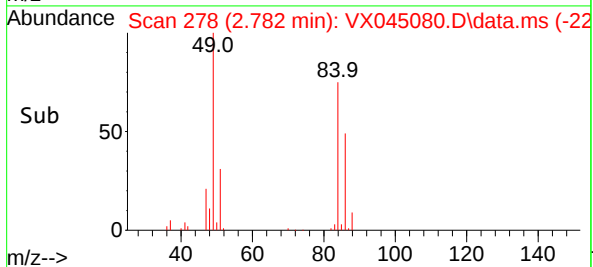
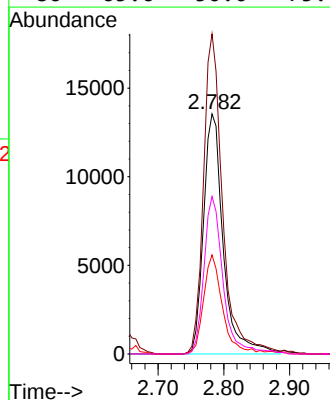
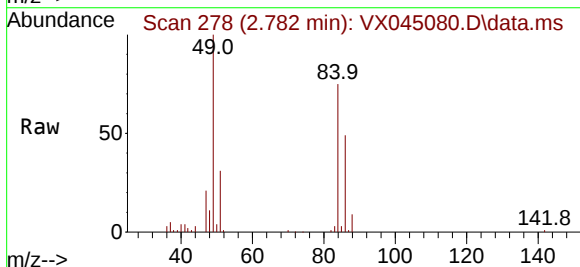
Ion Ratio Lower Upper

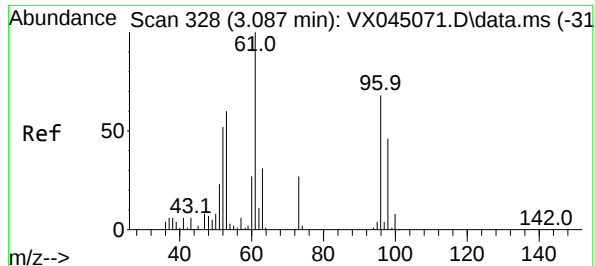
84 100

49 133.4 106.5 159.7

51 41.3 32.1 48.1

86 65.6 50.0 75.0





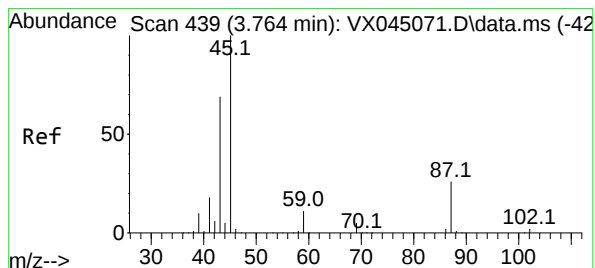
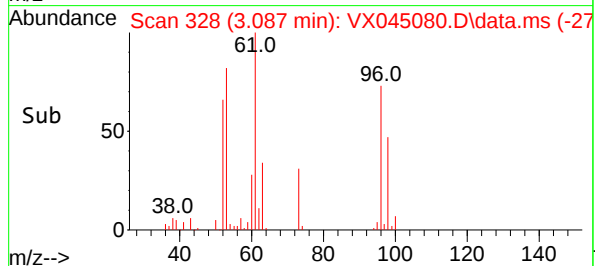
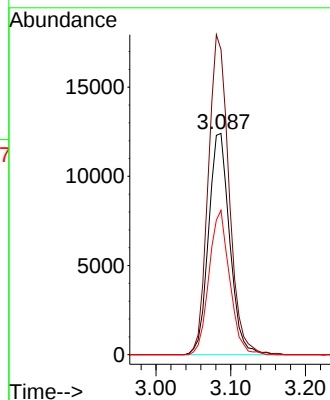
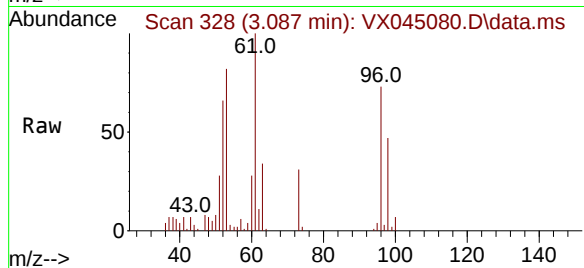
#21  
trans-1,2-Dichloroethene  
Concen: 18.556 ug/l  
RT: 3.087 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VX045080.D  
Acq: 28 Feb 2025 11:46

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0228WBS01

Tgt Ion: 96 Resp: 2440  
Ion Ratio Lower Upper  
96 100  
61 137.9 117.0 175.4  
98 65.2 53.4 80.2

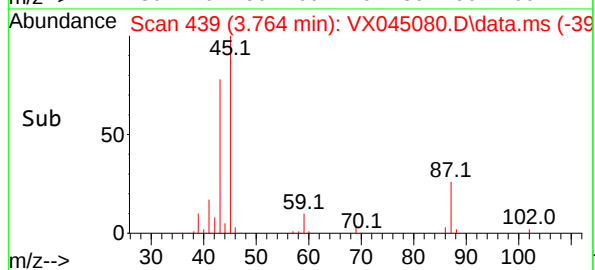
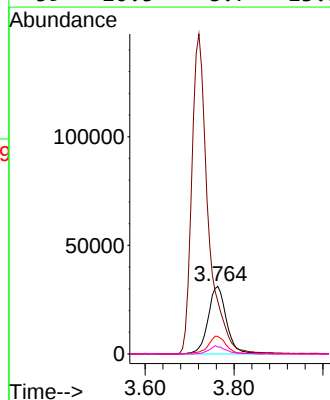
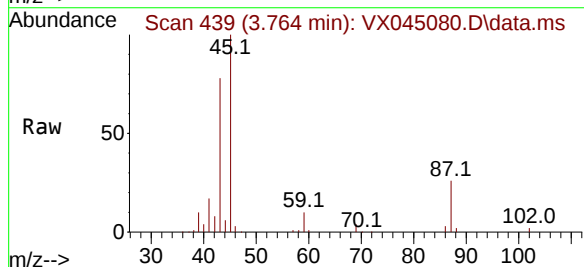
Manual Integrations  
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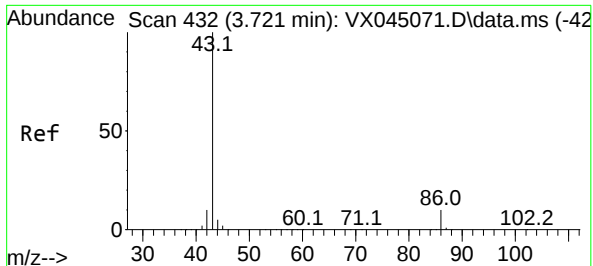
Reviewed By :John Carlone 02/28/2025  
Supervised By :Mahesh Dadoda 03/03/2025



#22  
Diisopropyl ether  
Concen: 18.596 ug/l  
RT: 3.764 min Scan# 439  
Delta R.T. -0.000 min  
Lab File: VX045080.D  
Acq: 28 Feb 2025 11:46

Tgt Ion: 45 Resp: 89611  
Ion Ratio Lower Upper  
45 100  
43 76.4 54.9 82.3  
87 26.0 21.0 31.4  
59 10.5 8.7 13.1





#23

Vinyl Acetate

Concen: 93.881 ug/l

RT: 3.721 min Scan# 41

Delta R.T. -0.000 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

Instrument :

MSVOA\_X

ClientSampleId :

VX0228WBS01

Tgt Ion: 43 Resp: 37753

Ion Ratio Lower Upper

43

100

86

9.8

8.1

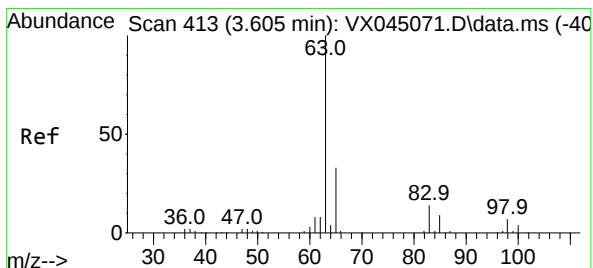
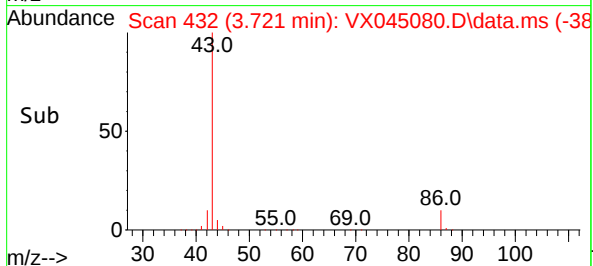
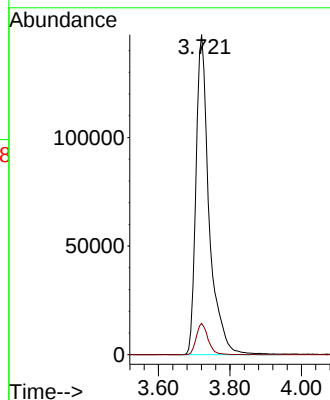
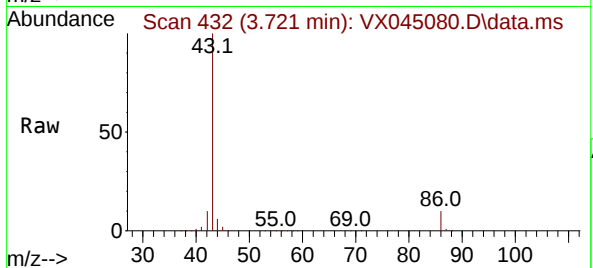
12.1

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Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 03/03/2025



#24

1,1-Dichloroethane

Concen: 17.874 ug/l

RT: 3.599 min Scan# 412

Delta R.T. -0.006 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

Tgt Ion: 63 Resp: 48272

Ion Ratio Lower Upper

63

100

98

7.2

3.4

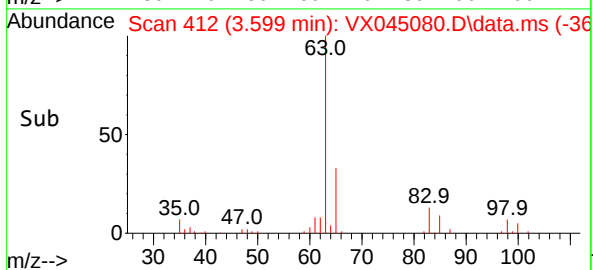
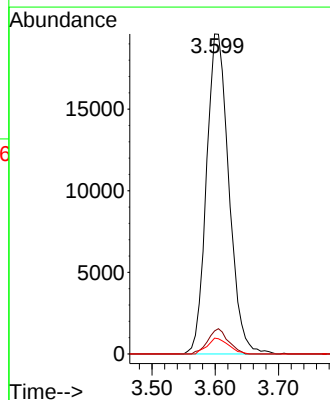
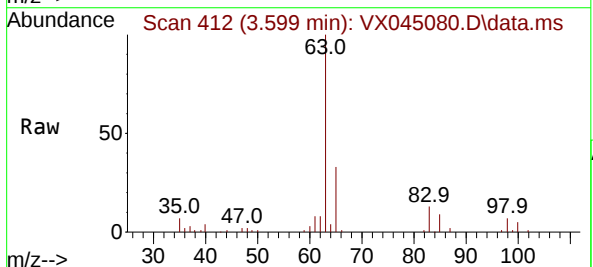
10.2

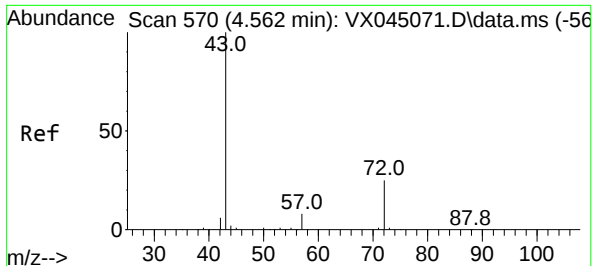
100

4.9

2.1

6.5





#25

2-Butanone

Concen: 91.613 ug/l

RT: 4.562 min Scan# 51

Delta R.T. -0.000 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

Instrument :

MSVOA\_X

ClientSampleId :

VX0228WBS01

Tgt Ion: 43 Resp: 11024

Ion Ratio Lower Upper

43

100

72

24.8

20.0

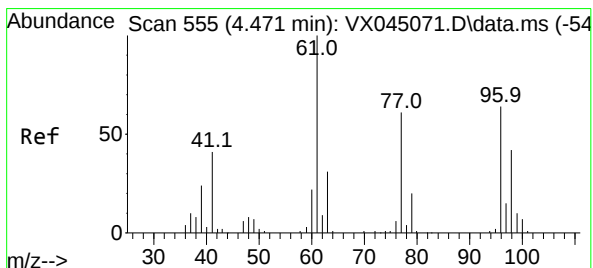
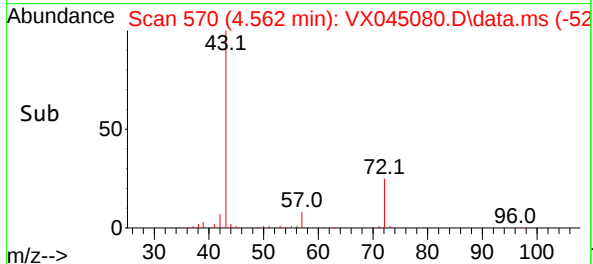
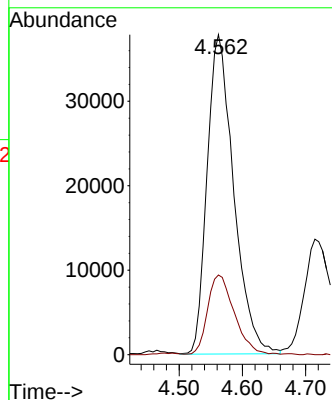
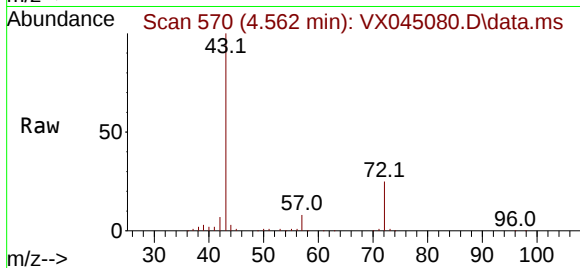
30.0

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Reviewed By :John Carlone 02/28/2025

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#26

2,2-Dichloropropane

Concen: 26.092 ug/l

RT: 4.471 min Scan# 555

Delta R.T. -0.000 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

Tgt Ion: 77 Resp: 33053

Ion Ratio Lower Upper

77

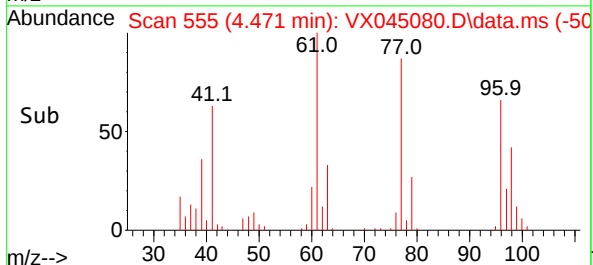
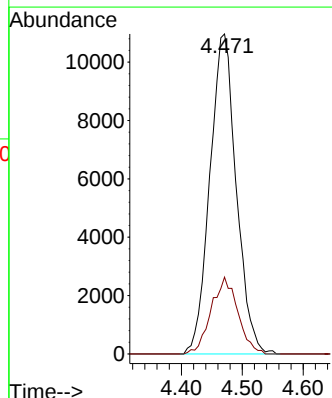
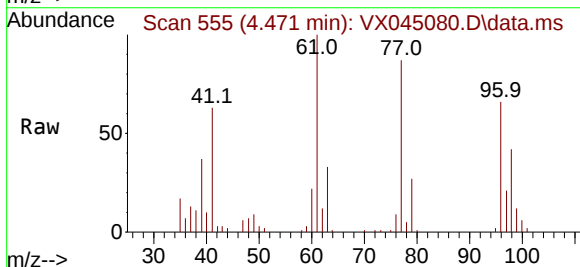
100

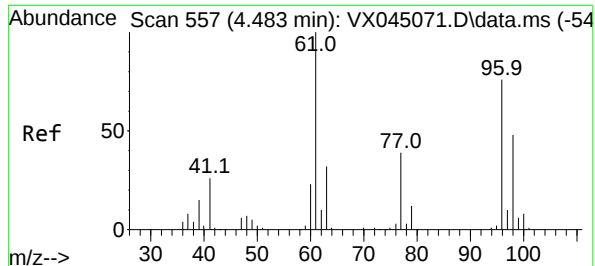
97

24.2

12.4

37.0





#27

cis-1,2-Dichloroethene

Concen: 18.196 ug/l

RT: 4.489 min Scan# 51

Delta R.T. 0.006 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

Instrument :

MSVOA\_X

ClientSampleId :

VX0228WBS01

Tgt Ion: 96 Resp: 29539

Ion Ratio Lower Upper

96 100

61 148.3 0.0 283.2

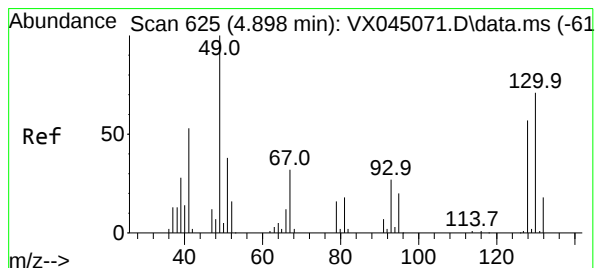
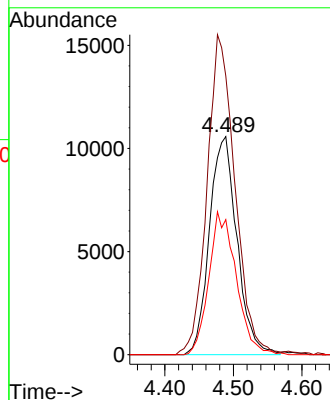
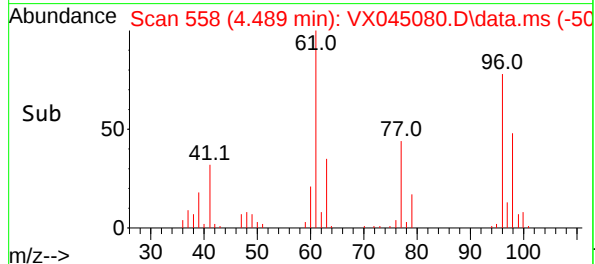
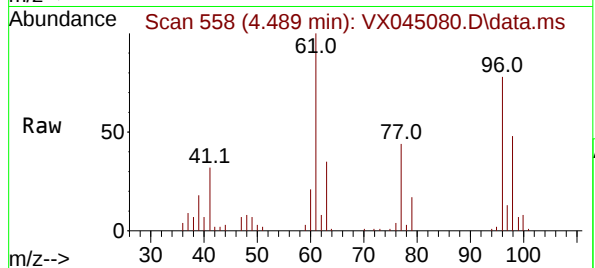
98 65.1 0.0 128.0

Manual Integrations

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Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 03/03/2025



#28

Bromochloromethane

Concen: 17.404 ug/l

RT: 4.891 min Scan# 624

Delta R.T. -0.006 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

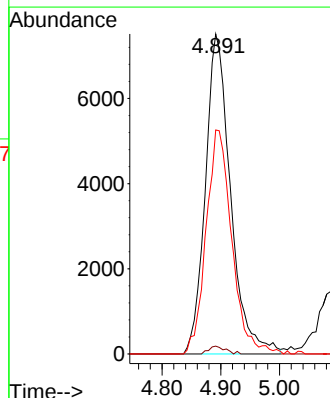
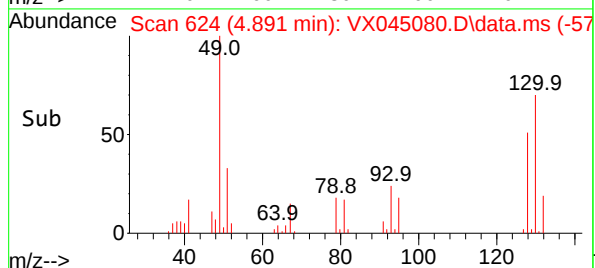
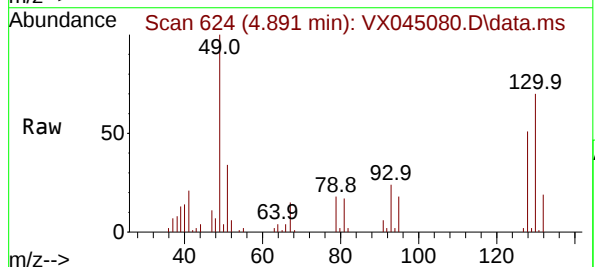
Tgt Ion: 49 Resp: 22404

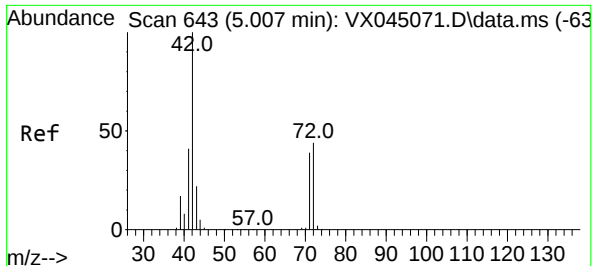
Ion Ratio Lower Upper

49 100

129 1.6 0.0 3.4

130 71.5 56.1 84.1





#29

Tetrahydrofuran

Concen: 88.264 ug/l

RT: 5.007 min Scan# 643

Delta R.T. -0.000 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

Instrument :

MSVOA\_X

ClientSampleId :

VX0228WBS01

Tgt Ion: 42 Resp: 7133

Ion Ratio Lower Upper

42 100

72 43.1 34.1 51.1

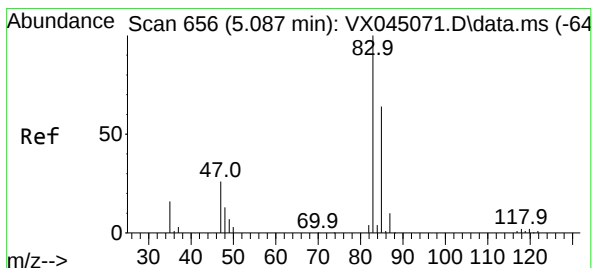
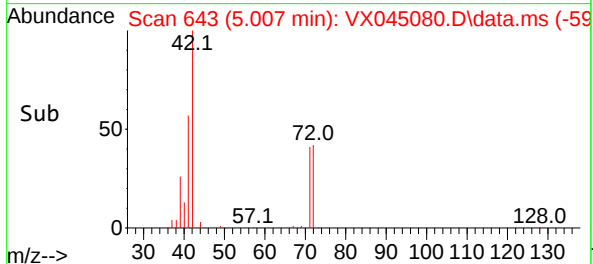
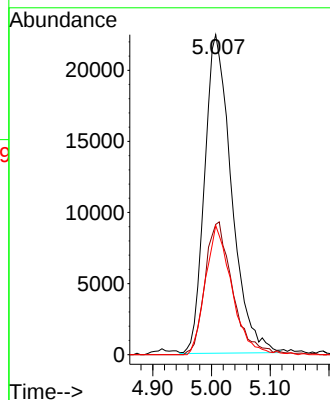
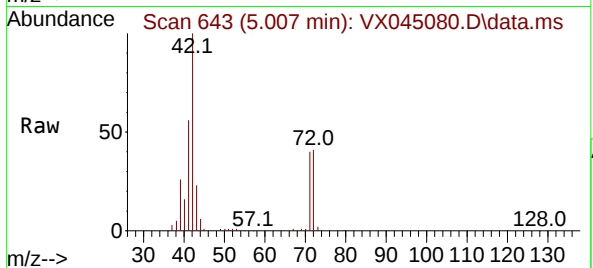
71 39.9 31.4 47.0

Manual Integrations

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Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 03/03/2025



#30

Chloroform

Concen: 18.082 ug/l

RT: 5.086 min Scan# 656

Delta R.T. -0.000 min

Lab File: VX045080.D

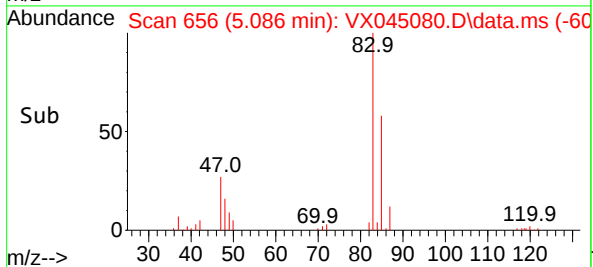
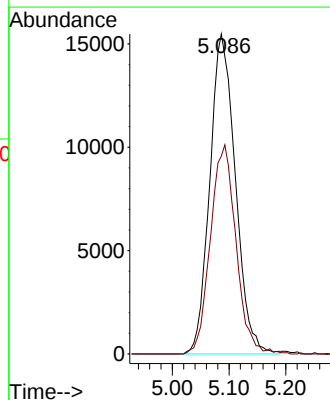
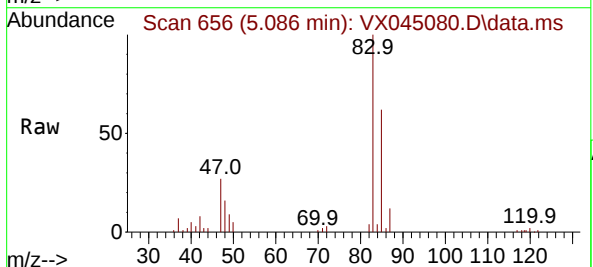
Acq: 28 Feb 2025 11:46

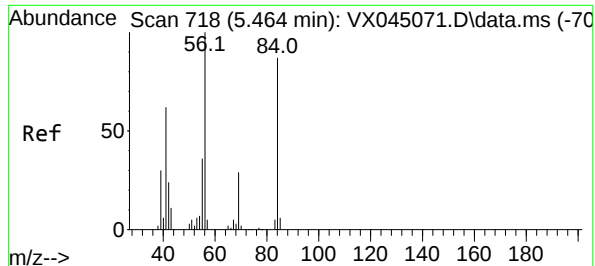
Tgt Ion: 83 Resp: 48521

Ion Ratio Lower Upper

83 100

85 61.9 51.4 77.2





#31

Cyclohexane

Concen: 19.324 ug/l

RT: 5.458 min Scan# 717

Delta R.T. -0.006 min

Lab File: VX045080.D

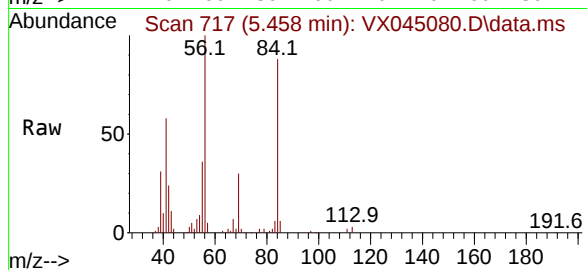
Acq: 28 Feb 2025 11:46

Instrument :

MSVOA\_X

ClientSampleId :

VX0228WBS01



Tgt Ion: 56 Resp: 4530

Ion Ratio Lower Upper

56 100

69 30.2 23.4 35.2

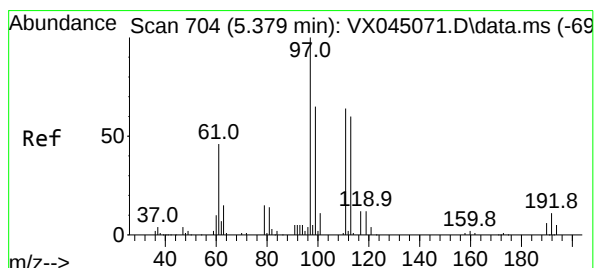
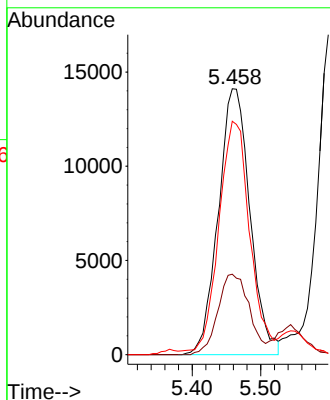
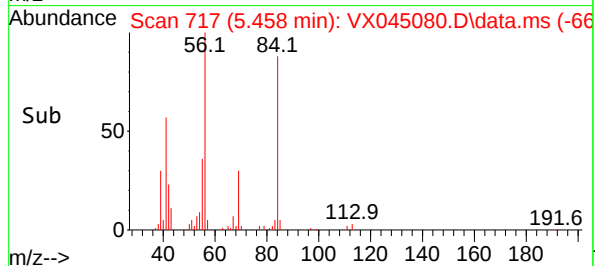
84 86.4 69.4 104.2

Manual Integrations

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Supervised By :Mahesh Dadoda 03/03/2025



#32

1,1,1-Trichloroethane

Concen: 18.150 ug/l

RT: 5.379 min Scan# 704

Delta R.T. -0.000 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

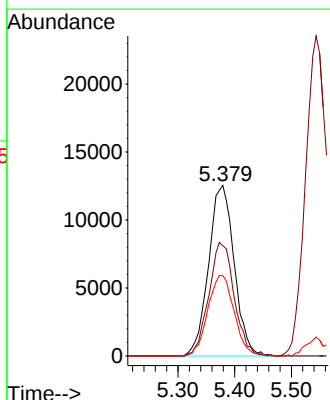
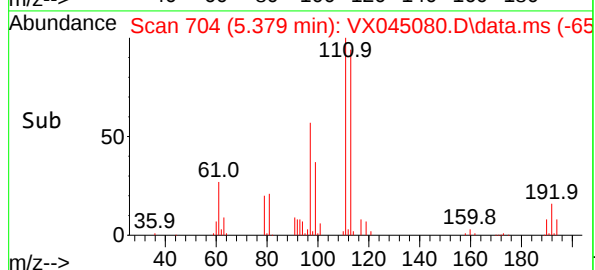
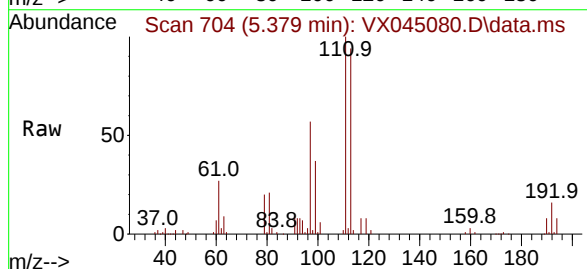
Tgt Ion: 97 Resp: 39336

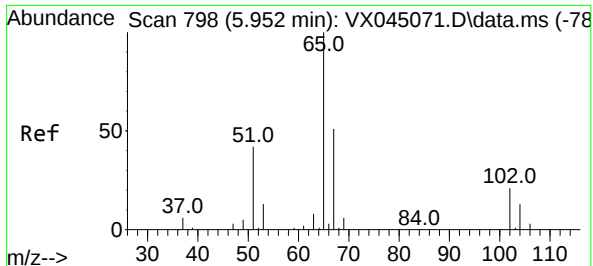
Ion Ratio Lower Upper

97 100

99 65.9 51.6 77.4

61 48.4 38.4 57.6





#33

1,2-Dichloroethane-d4

Concen: 46.938 ug/l

RT: 5.952 min Scan# 798

Delta R.T. -0.000 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

Tgt Ion: 65 Resp: 8088

Ion Ratio Lower Upper

65 100

67 51.8 0.0 106.2

Instrument :

MSVOA\_X

ClientSampleId :

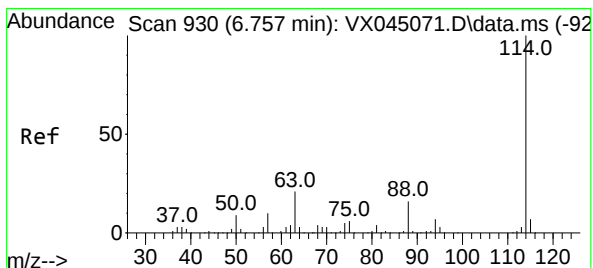
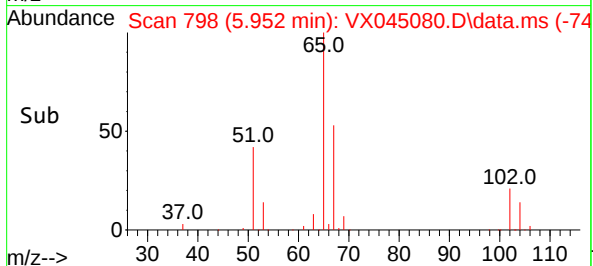
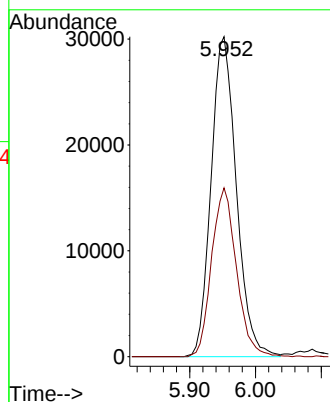
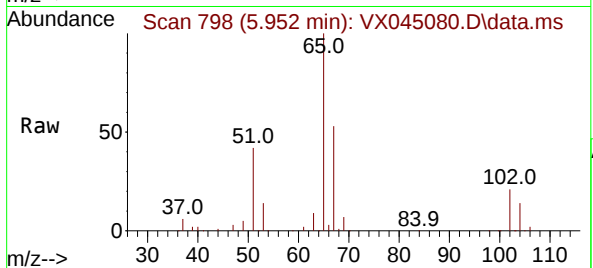
VX0228WBS01

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Supervised By :Mahesh Dadoda 03/03/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

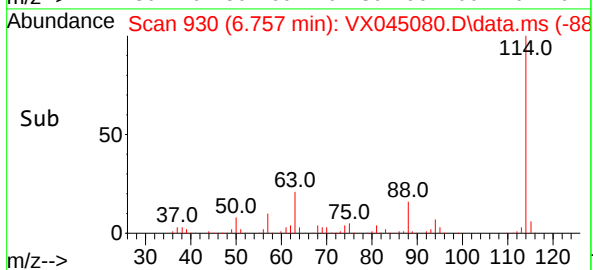
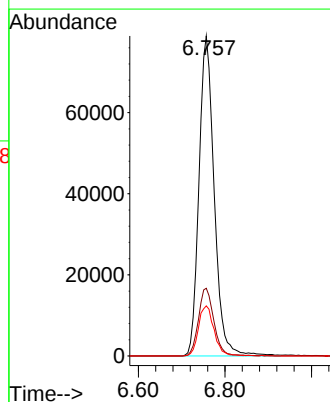
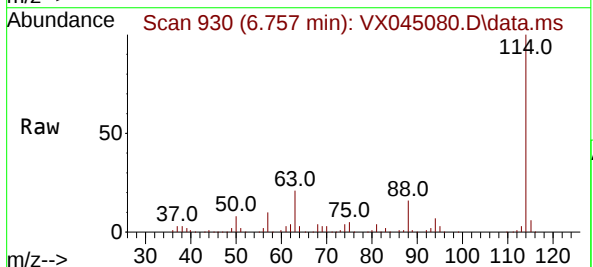
Tgt Ion:114 Resp: 192724

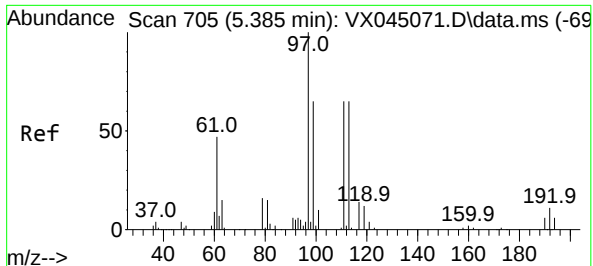
Ion Ratio Lower Upper

114 100

63 21.1 0.0 41.8

88 15.6 0.0 32.8





#35

Dibromofluoromethane

Concen: 48.207 ug/l

RT: 5.379 min Scan# 705

Delta R.T. -0.006 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

Instrument :

MSVOA\_X

ClientSampleId :

VX0228WBS01

Tgt Ion:113 Resp: 62124

Ion Ratio Lower Upper

113 100

111 103.0 81.8 122.6

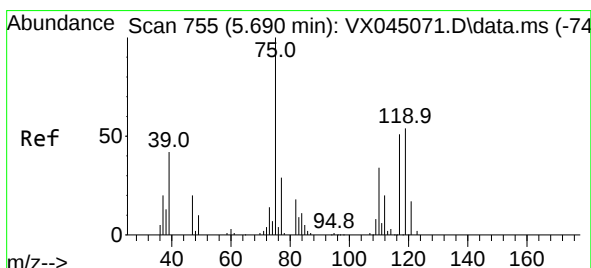
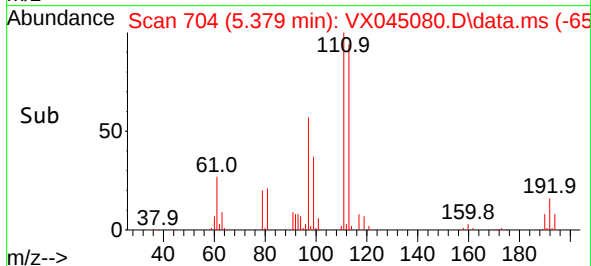
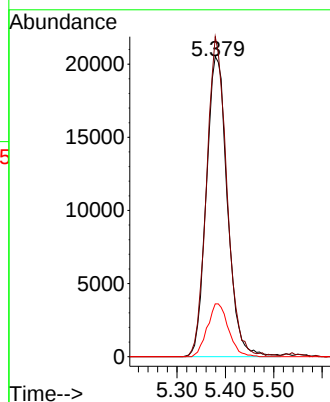
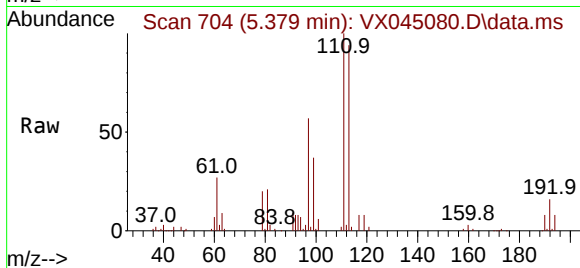
192 17.6 14.3 21.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 03/03/2025



#36

1,1-Dichloropropene

Concen: 18.803 ug/l

RT: 5.684 min Scan# 754

Delta R.T. -0.006 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

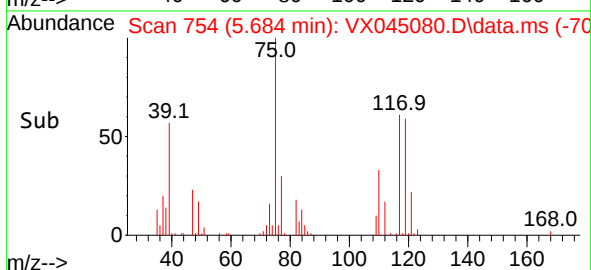
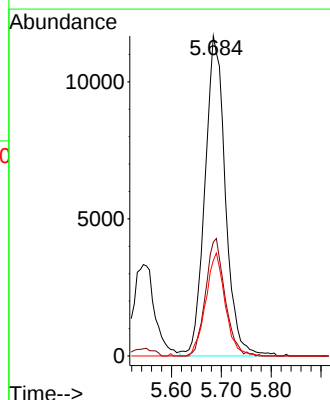
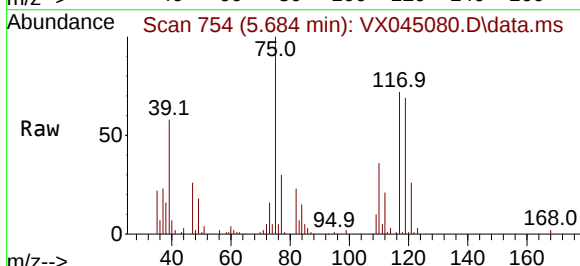
Tgt Ion: 75 Resp: 33230

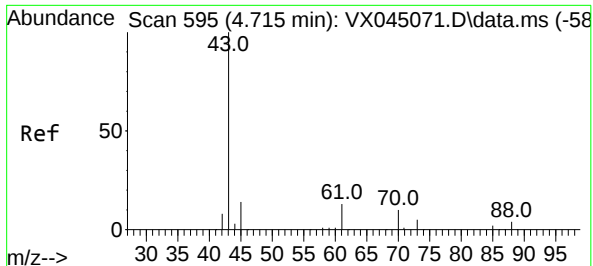
Ion Ratio Lower Upper

75 100

110 34.9 16.9 50.6

77 30.6 24.5 36.7





#37

Ethyl Acetate

Concen: 17.811 ug/l

RT: 4.715 min Scan# 595

Delta R.T. -0.000 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

Instrument :

MSVOA\_X

ClientSampleId :

VX0228WBS01

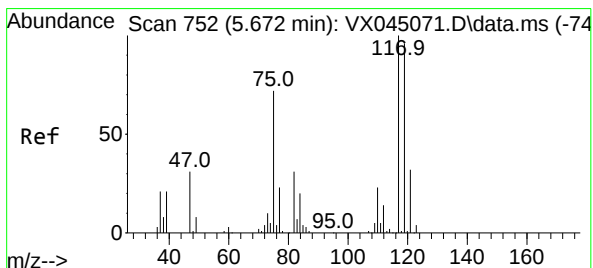
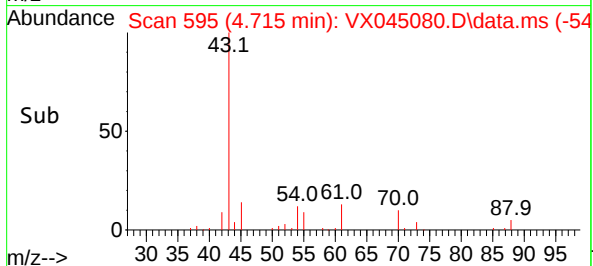
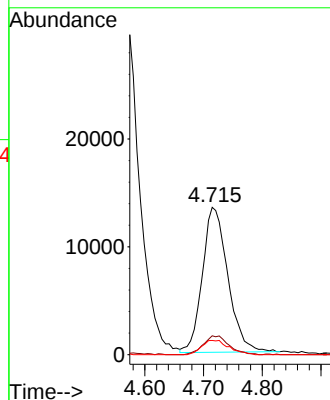
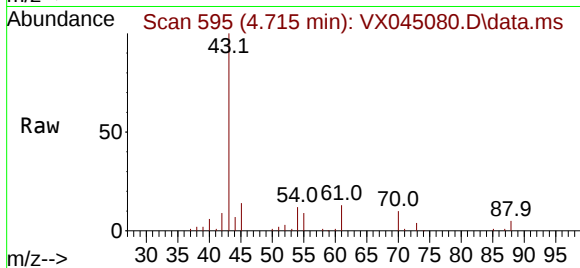
Tgt Ion: 43 Resp: 40562

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 43  | 100   |       |       |
| 61  | 13.1  | 10.8  | 16.2  |
| 70  | 10.6  | 7.7   | 11.5  |

Manual Integrations  
APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 03/03/2025



#38

Carbon Tetrachloride

Concen: 18.548 ug/l

RT: 5.666 min Scan# 751

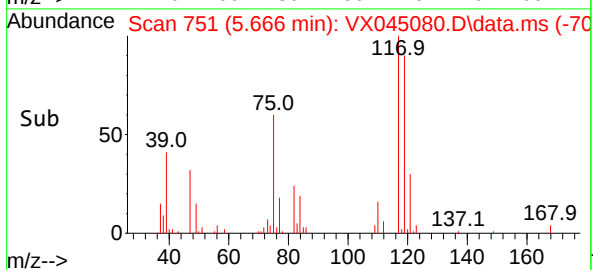
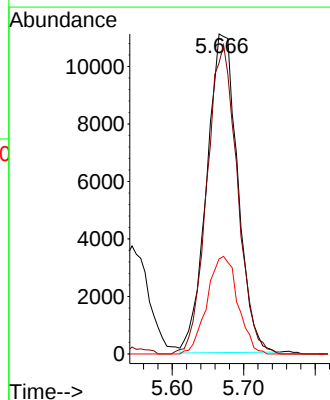
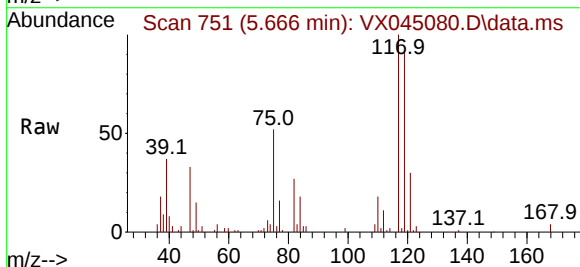
Delta R.T. -0.006 min

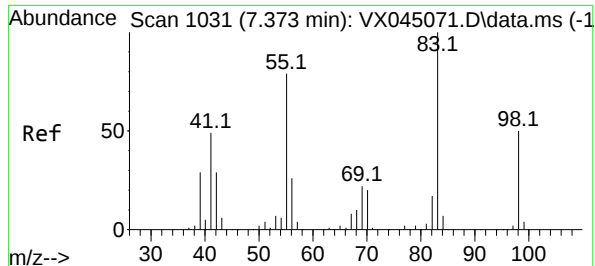
Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

Tgt Ion: 117 Resp: 33280

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 119 | 91.5  | 76.7  | 115.1 |
| 121 | 29.9  | 25.5  | 38.3  |





#39

Methylcyclohexane

Concen: 20.816 ug/l

RT: 7.373 min Scan# 1031

Delta R.T. -0.000 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

Instrument :

MSVOA\_X

ClientSampleId :

VX0228WBS01

Tgt Ion: 83 Resp: 4408

Ion Ratio Lower Upper

83 100

55 75.1 63.0 94.4

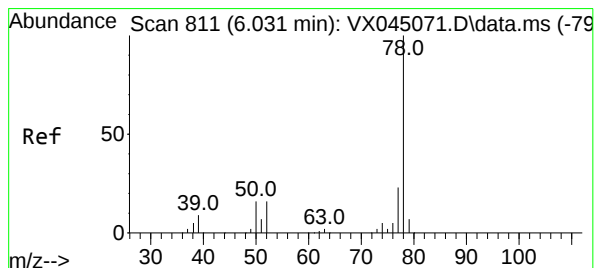
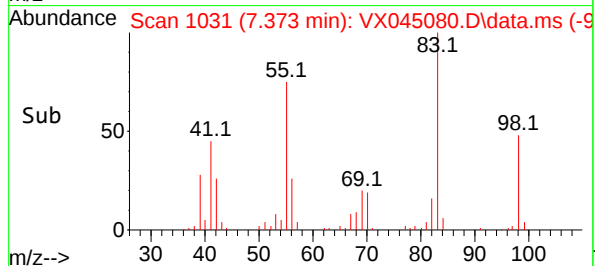
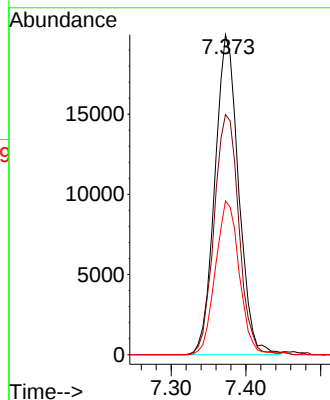
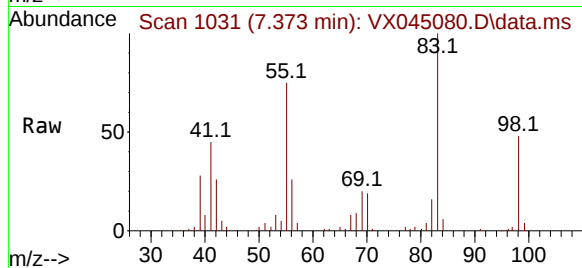
98 48.1 39.7 59.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 03/03/2025



#40

Benzene

Concen: 19.035 ug/l

RT: 6.031 min Scan# 811

Delta R.T. -0.000 min

Lab File: VX045080.D

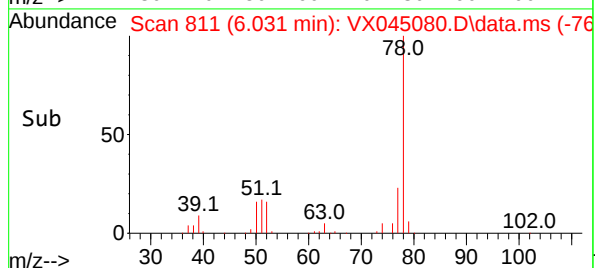
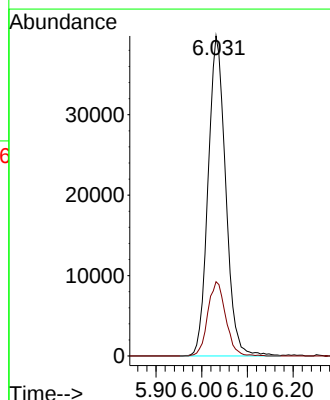
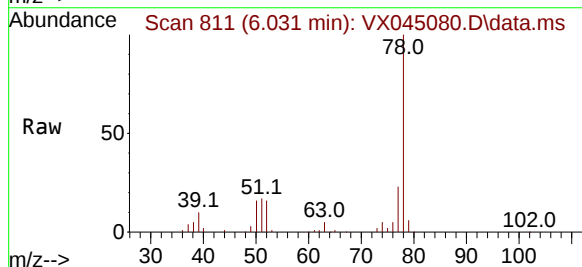
Acq: 28 Feb 2025 11:46

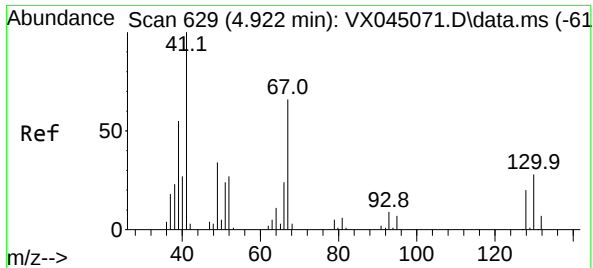
Tgt Ion: 78 Resp: 106228

Ion Ratio Lower Upper

78 100

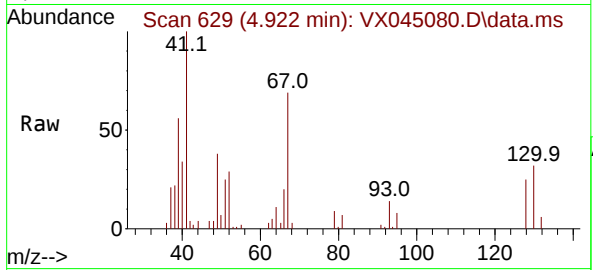
77 23.2 18.8 28.2





#41  
Methacrylonitrile  
Concen: 18.159 ug/l  
RT: 4.922 min Scan# 61  
Delta R.T. -0.000 min  
Lab File: VX045080.D  
Acq: 28 Feb 2025 11:46

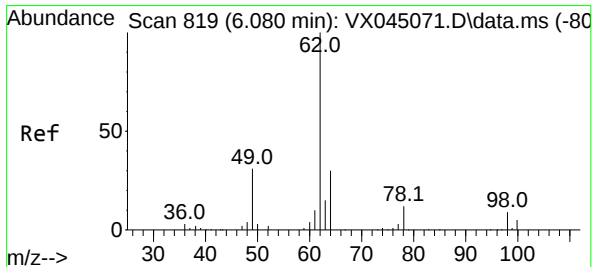
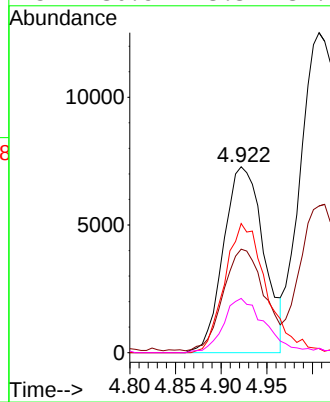
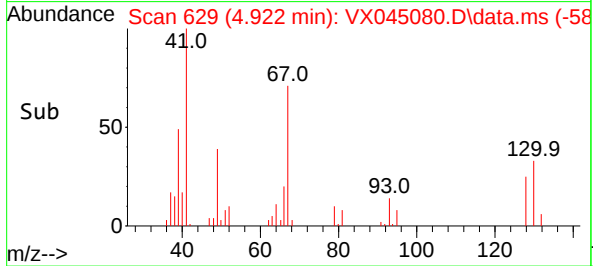
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0228WBS01



Tgt Ion: 41 Resp: 22360  
Ion Ratio Lower Upper  
41 100  
39 55.2 44.6 67.0  
67 71.9 53.9 80.9  
52 30.8 23.3 34.9

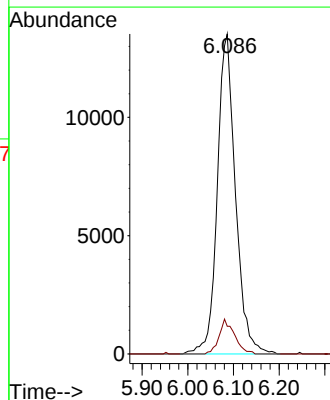
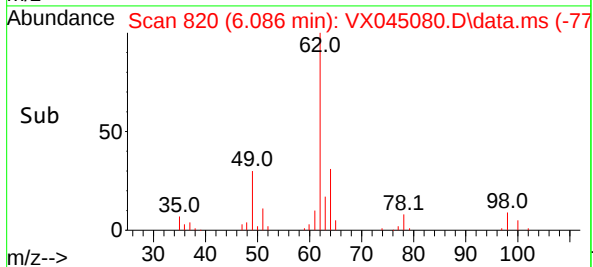
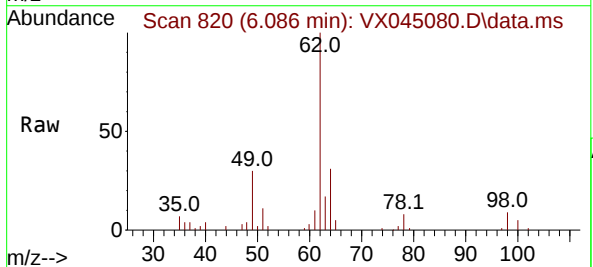
Manual Integrations  
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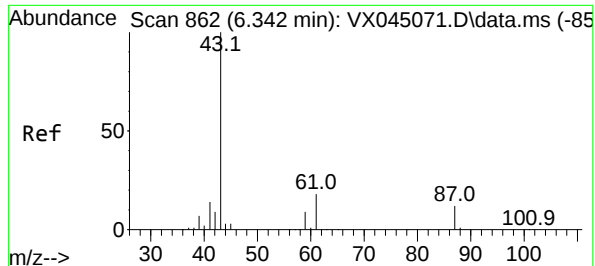
Reviewed By :John Carlone 02/28/2025  
Supervised By :Mahesh Dadoda 03/03/2025



#42  
1,2-Dichloroethane  
Concen: 18.559 ug/l  
RT: 6.086 min Scan# 820  
Delta R.T. 0.006 min  
Lab File: VX045080.D  
Acq: 28 Feb 2025 11:46

Tgt Ion: 62 Resp: 37297  
Ion Ratio Lower Upper  
62 100  
98 9.3 0.0 18.2





#43

Isopropyl Acetate

Concen: 19.076 ug/l

RT: 6.342 min Scan# 80

Delta R.T. -0.000 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

Instrument :

MSVOA\_X

ClientSampleId :

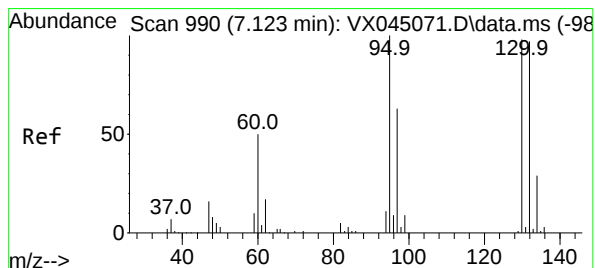
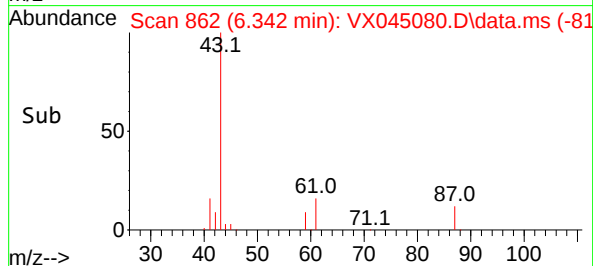
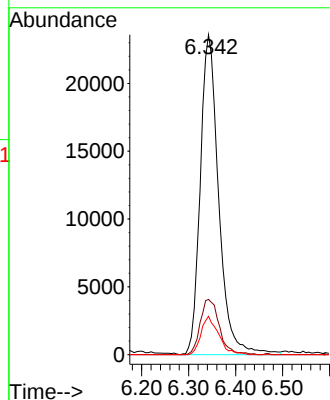
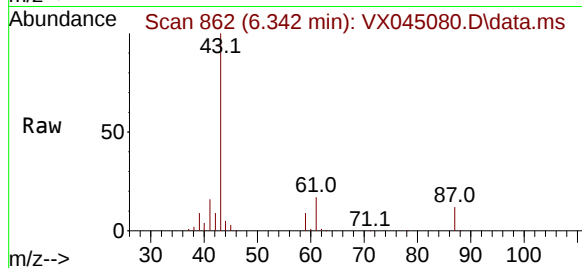
VX0228WBS01

|             |                |
|-------------|----------------|
| Tgt Ion: 43 | Resp: 64239    |
| Ion Ratio   | Lower Upper    |
| 43          | 100            |
| 61          | 17.9 14.9 22.3 |
| 87          | 11.4 9.4 14.2  |

Manual Integrations  
APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 03/03/2025



#44

Trichloroethene

Concen: 18.612 ug/l

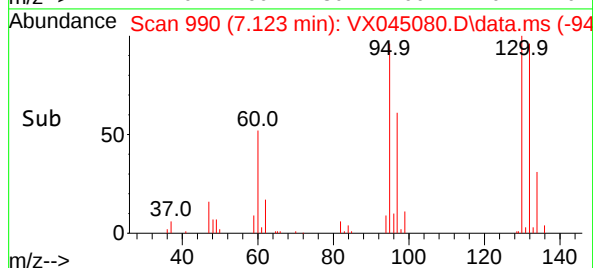
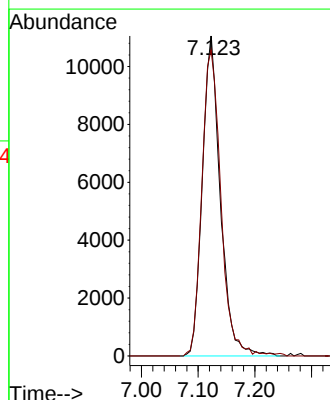
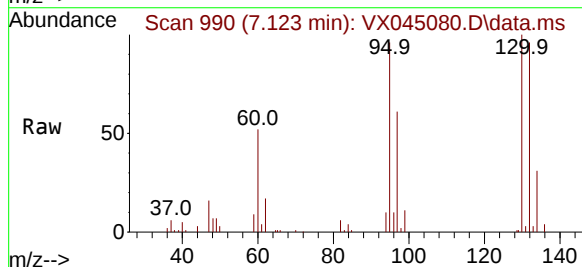
RT: 7.123 min Scan# 990

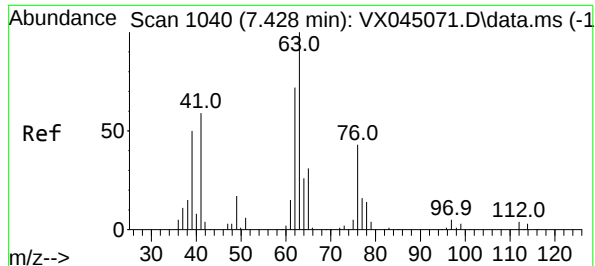
Delta R.T. -0.000 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

|             |                |
|-------------|----------------|
| Tgt Ion:130 | Resp: 24390    |
| Ion Ratio   | Lower Upper    |
| 130         | 100            |
| 95          | 95.6 0.0 205.0 |





#45

1,2-Dichloropropane

Concen: 18.614 ug/l

RT: 7.428 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

Instrument :

MSVOA\_X

ClientSampleId :

VX0228WBS01

Tgt Ion: 63 Resp: 26709

Ion Ratio Lower Upper

63 100

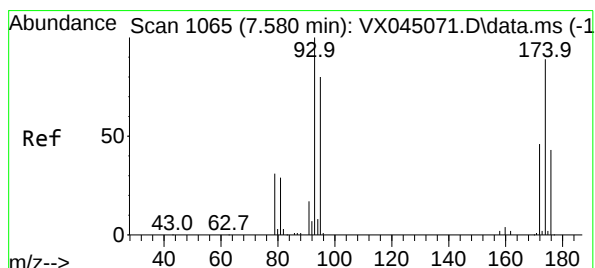
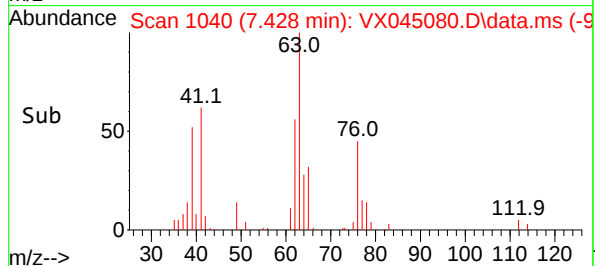
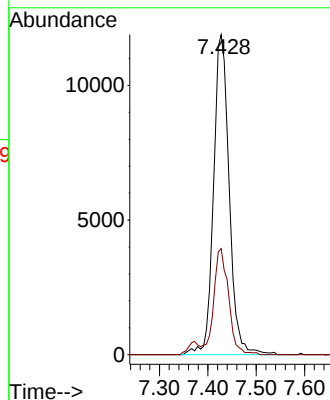
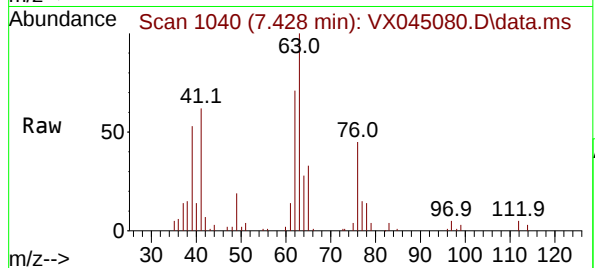
65 33.2 24.7 37.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 03/03/2025



#46

Dibromomethane

Concen: 18.949 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. -0.000 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

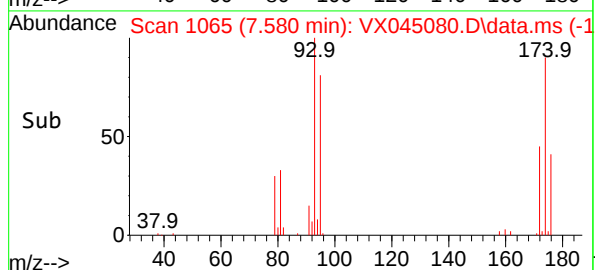
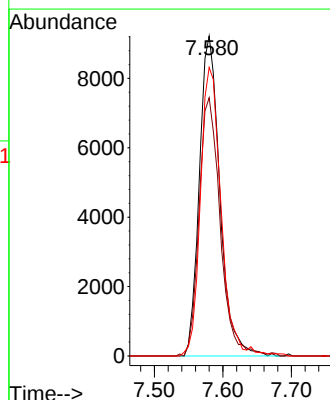
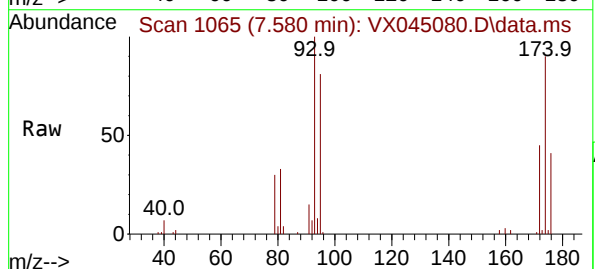
Tgt Ion: 93 Resp: 19218

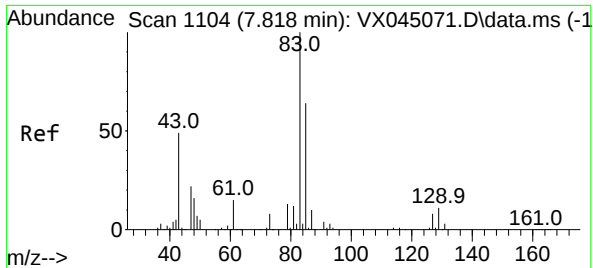
Ion Ratio Lower Upper

93 100

95 83.0 65.8 98.8

174 91.1 72.2 108.2





#47

Bromodichloromethane

Concen: 18.624 ug/l

RT: 7.818 min Scan# 1104

Delta R.T. -0.000 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

Instrument :

MSVOA\_X

ClientSampleId :

VX0228WBS01

Tgt Ion: 83 Resp: 3704

Ion Ratio Lower Upper

83 100

85 64.9 51.1 76.7

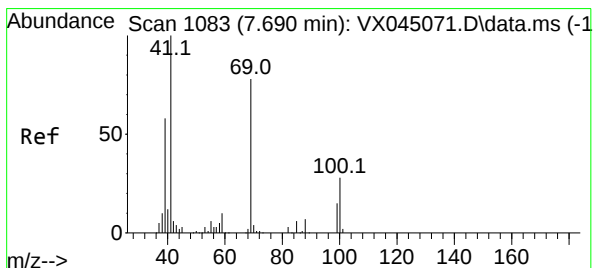
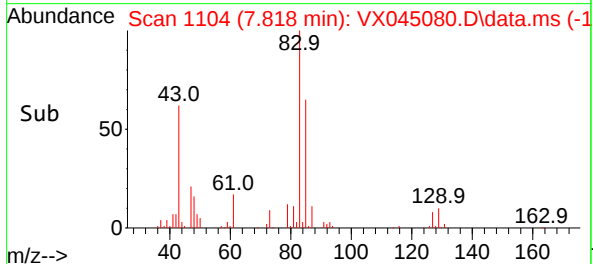
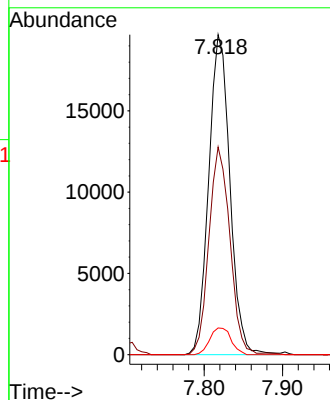
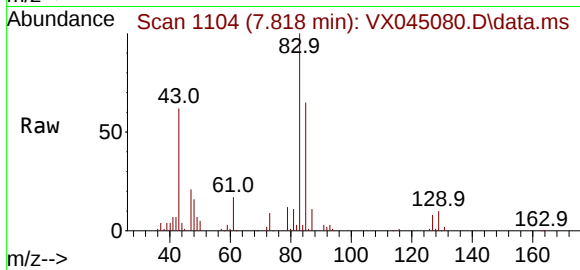
127 8.4 6.4 9.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 03/03/2025



#48

Methyl methacrylate

Concen: 18.322 ug/l

RT: 7.690 min Scan# 1083

Delta R.T. -0.000 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

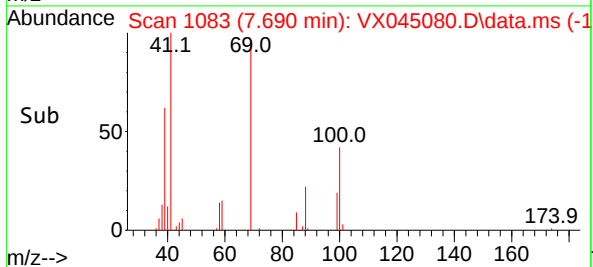
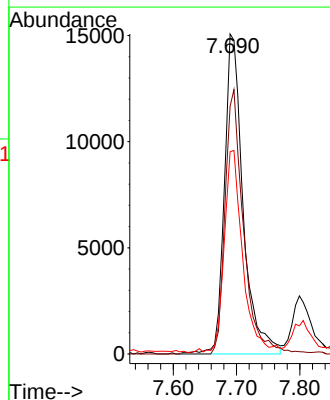
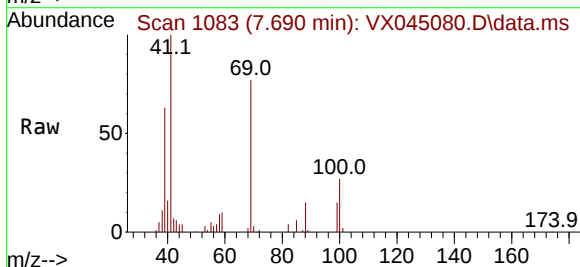
Tgt Ion: 41 Resp: 30953

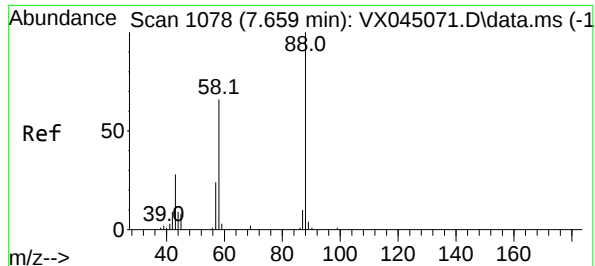
Ion Ratio Lower Upper

41 100

69 81.4 63.0 94.6

39 61.0 47.5 71.3





#49

1,4-Dioxane

Concen: 369.225 ug/l

RT: 7.665 min Scan# 1078

Delta R.T. 0.006 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

Instrument :

MSVOA\_X

ClientSampleId :

VX0228WBS01

Tgt Ion: 88 Resp: 13158

Ion Ratio Lower Upper

88 100

43 37.1 28.7 43.1

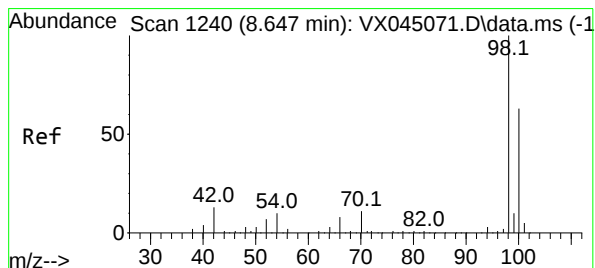
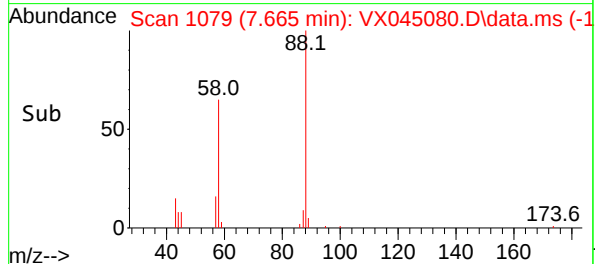
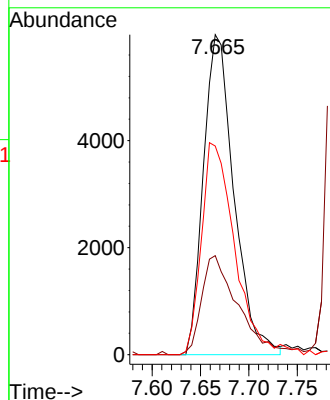
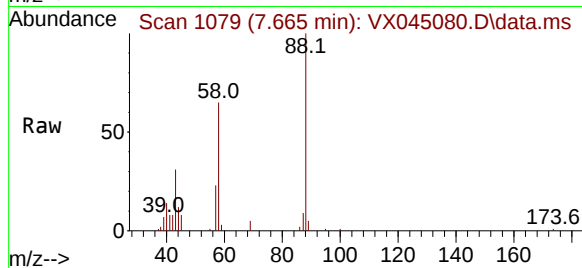
58 72.5 55.8 83.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 03/03/2025



#50

Toluene-d8

Concen: 50.059 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX045080.D

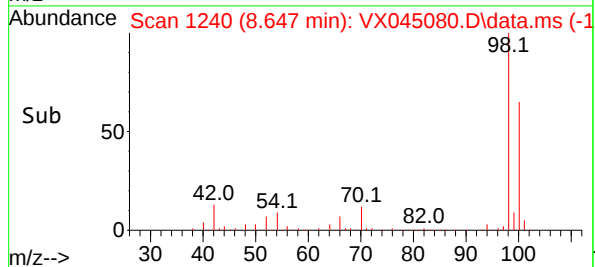
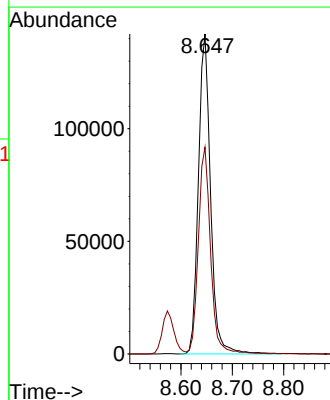
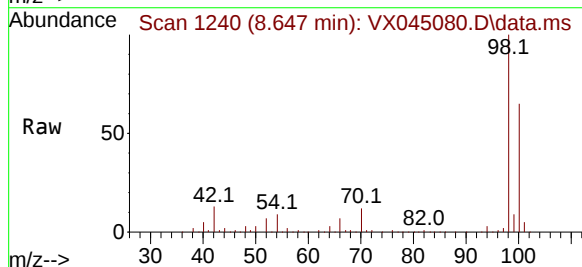
Acq: 28 Feb 2025 11:46

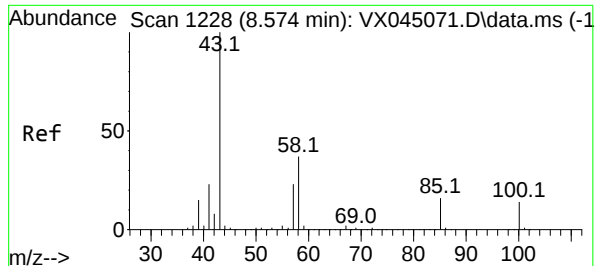
Tgt Ion: 98 Resp: 233874

Ion Ratio Lower Upper

98 100

100 64.6 52.0 78.0





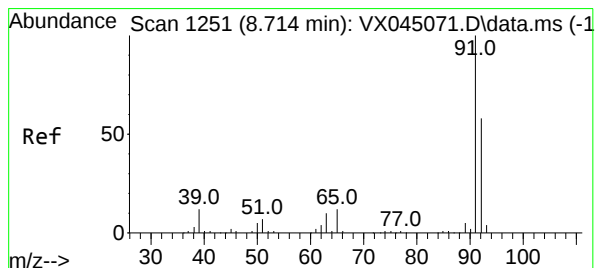
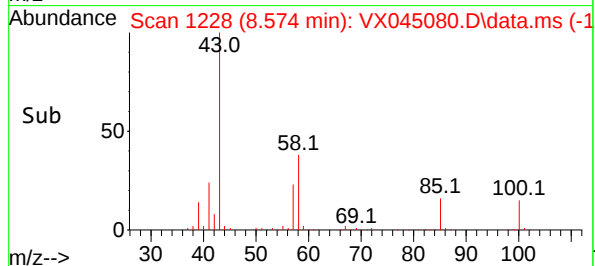
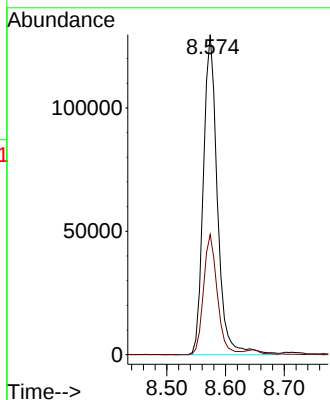
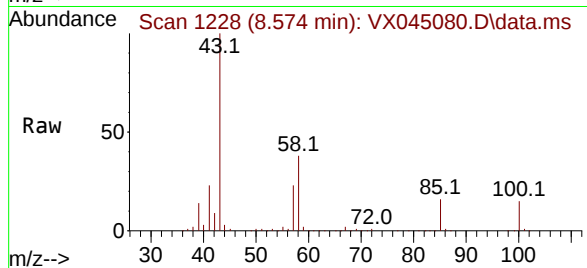
#51  
4-Methyl-2-Pentanone  
Concen: 95.598 ug/l  
RT: 8.574 min Scan# 1228  
Delta R.T. -0.000 min  
Lab File: VX045080.D  
Acq: 28 Feb 2025 11:46

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0228WBS01

Tgt Ion: 43 Resp: 21615  
Ion Ratio Lower Upper  
43 100  
58 36.8 29.2 43.8

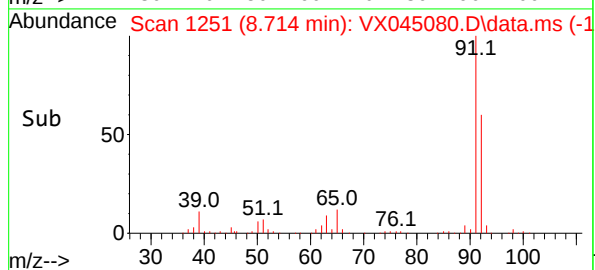
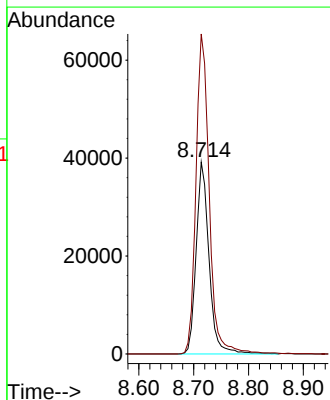
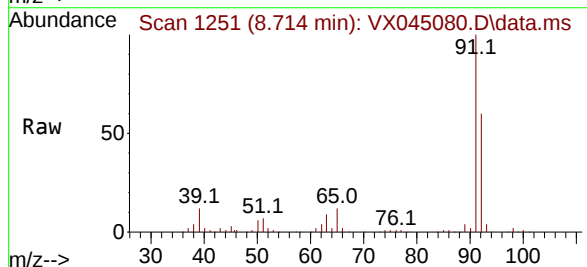
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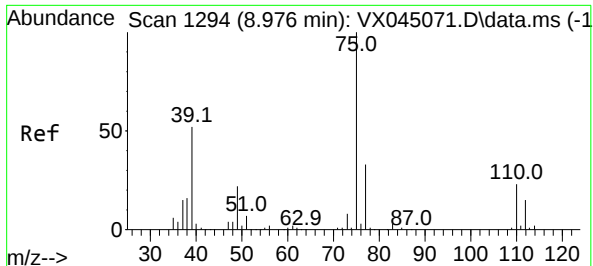
Reviewed By :John Carlone 02/28/2025  
Supervised By :Mahesh Dadoda 03/03/2025



#52  
Toluene  
Concen: 19.628 ug/l  
RT: 8.714 min Scan# 1251  
Delta R.T. -0.000 min  
Lab File: VX045080.D  
Acq: 28 Feb 2025 11:46

Tgt Ion: 92 Resp: 64270  
Ion Ratio Lower Upper  
92 100  
91 171.4 138.9 208.3





#53

t-1,3-Dichloropropene

Concen: 19.479 ug/l

RT: 8.976 min Scan# 1194

Delta R.T. -0.000 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

Instrument :

MSVOA\_X

ClientSampleId :

VX0228WBS01

Tgt Ion: 75 Resp: 3239

Ion Ratio Lower Upper

75 100

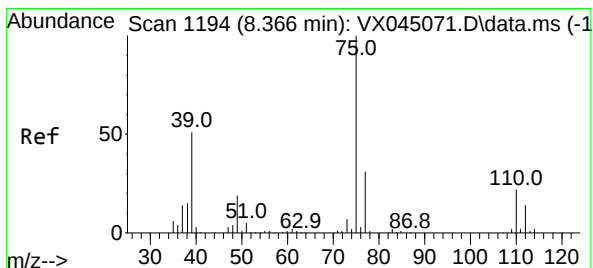
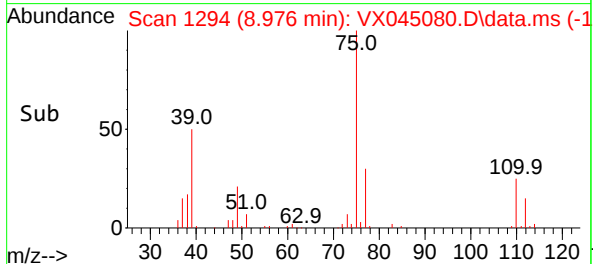
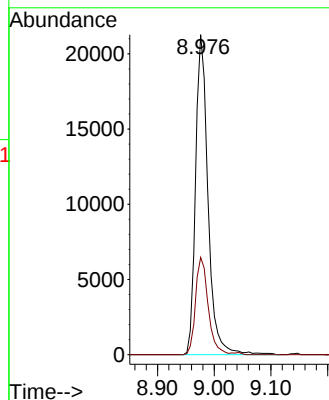
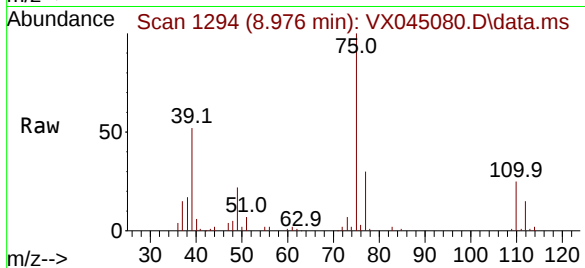
77 30.4 26.5 39.7

Manual Integrations

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Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 03/03/2025



#54

cis-1,3-Dichloropropene

Concen: 19.970 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. -0.000 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

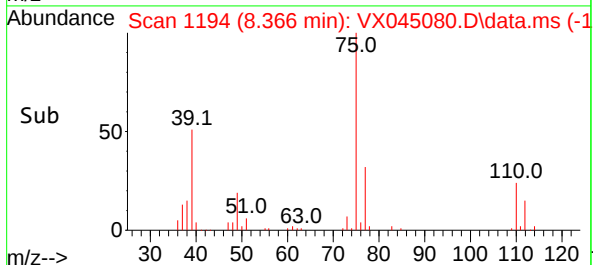
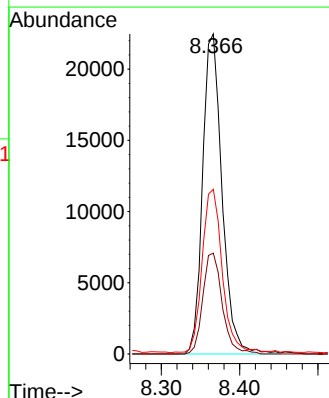
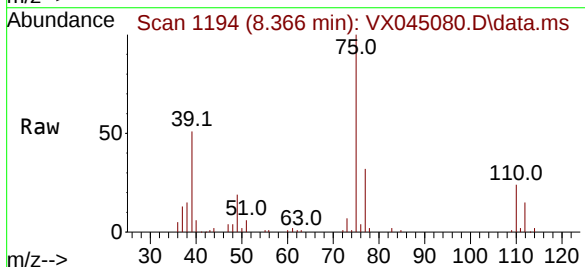
Tgt Ion: 75 Resp: 38727

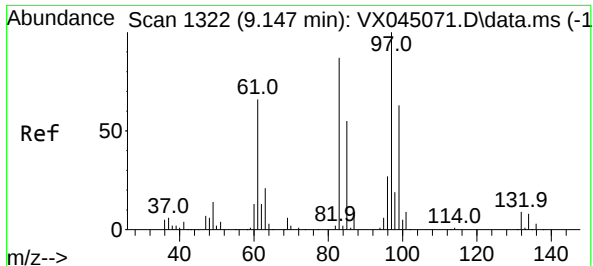
Ion Ratio Lower Upper

75 100

77 31.5 24.7 37.1

39 50.9 40.7 61.1





#55

1,1,2-Trichloroethane

Concen: 19.074 ug/l

RT: 9.153 min Scan# 1323

Delta R.T. 0.006 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

Instrument :

MSVOA\_X

ClientSampleId :

VX0228WBS01

Tgt Ion: 97 Resp: 2571

Ion Ratio Lower Upper

97 100

83 83.1 69.4 104.2

85 55.2 44.1 66.1

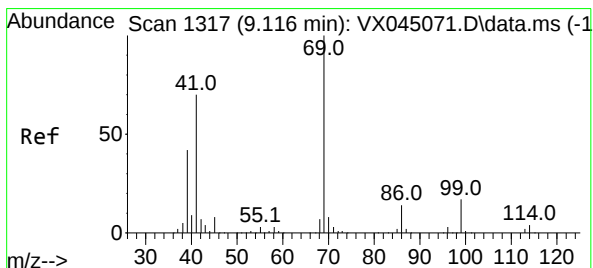
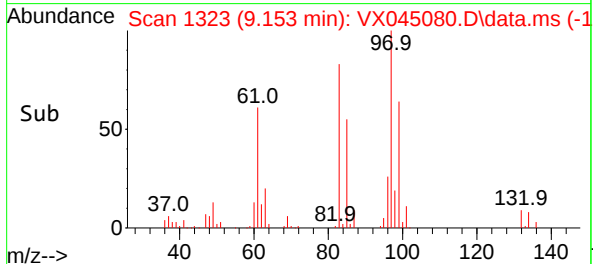
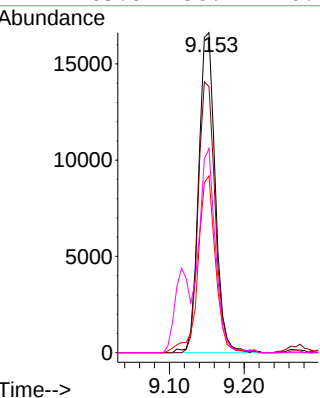
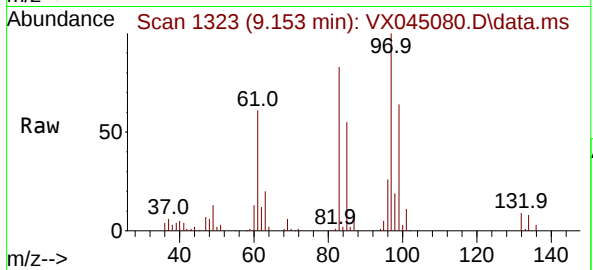
99 63.8 50.7 76.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 03/03/2025



#56

Ethyl methacrylate

Concen: 18.857 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. -0.000 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

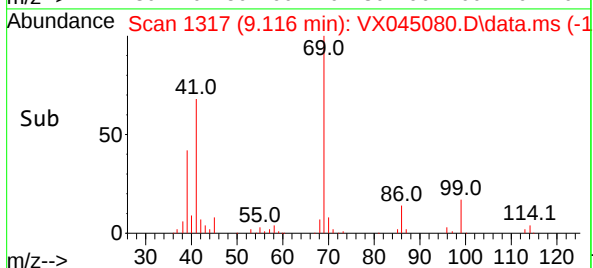
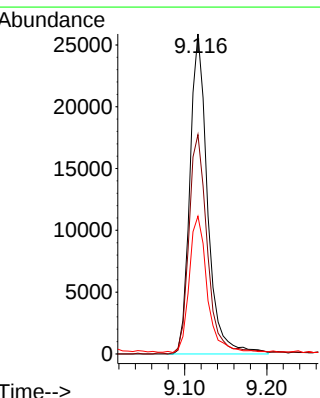
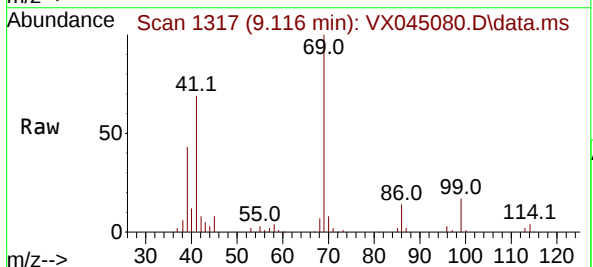
Tgt Ion: 69 Resp: 38638

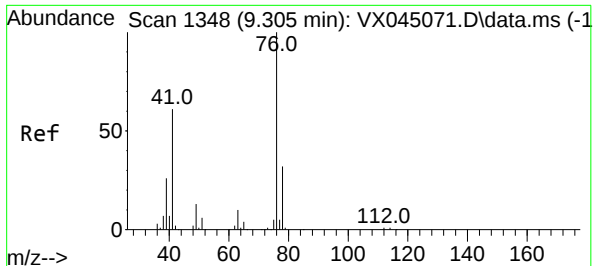
Ion Ratio Lower Upper

69 100

41 72.4 57.0 85.4

39 43.0 34.2 51.4





#57

1,3-Dichloropropane

Concen: 18.881 ug/l

RT: 9.305 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

Instrument :

MSVOA\_X

ClientSampleId :

VX0228WBS01

Tgt Ion: 76 Resp: 4404

Ion Ratio Lower Upper

76 100

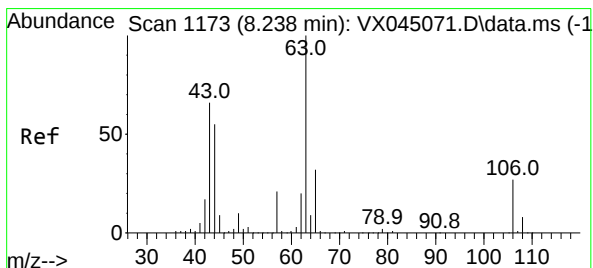
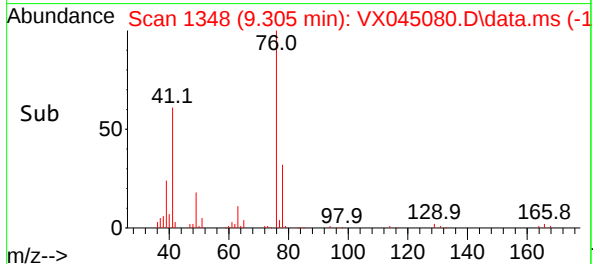
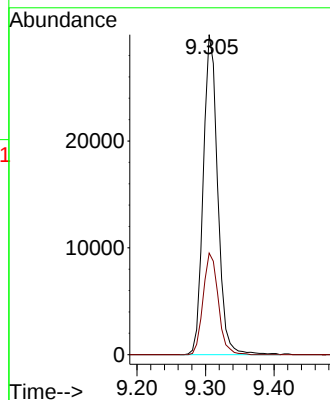
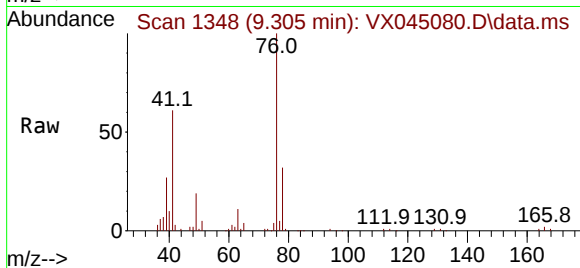
78 33.2 25.5 38.3

Manual Integrations

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Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 03/03/2025



#58

2-Chloroethyl Vinyl ether

Concen: 100.039 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. -0.000 min

Lab File: VX045080.D

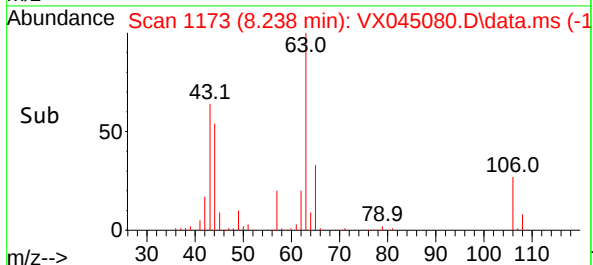
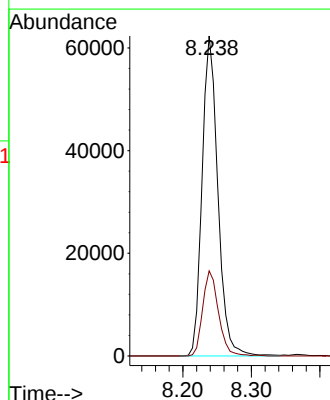
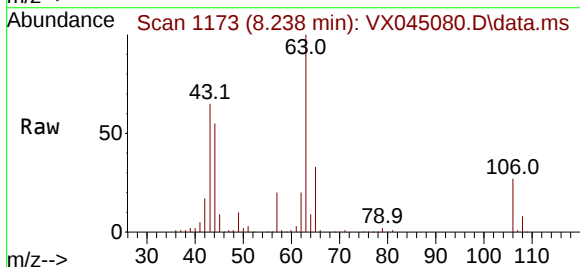
Acq: 28 Feb 2025 11:46

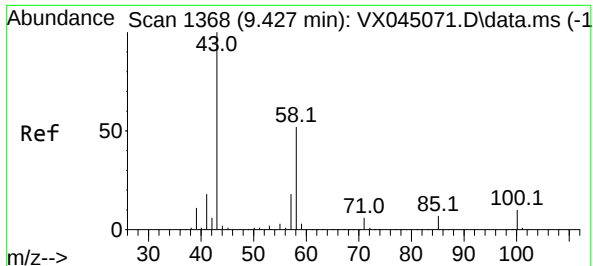
Tgt Ion: 63 Resp: 99991

Ion Ratio Lower Upper

63 100

106 26.6 21.5 32.3





#59

2-Hexanone

Concen: 96.991 ug/l

RT: 9.433 min Scan# 1369

Delta R.T. 0.006 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

Instrument :

MSVOA\_X

ClientSampleId :

VX0228WBS01

Tgt Ion: 43 Resp: 158894

Ion Ratio Lower Upper

43 100

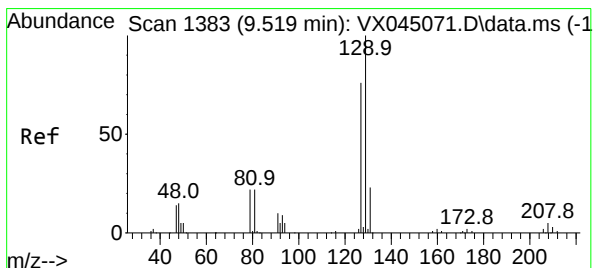
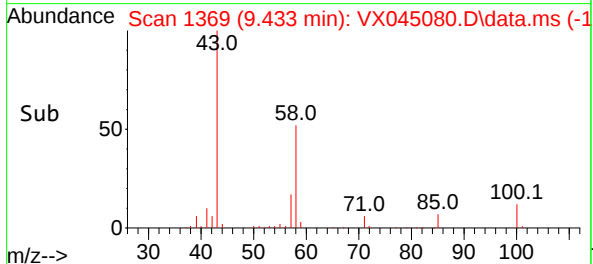
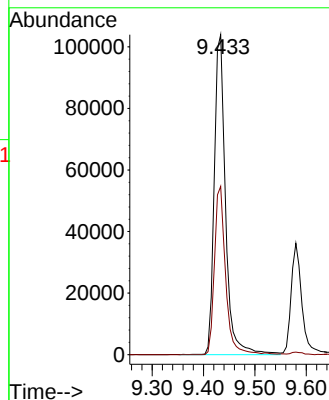
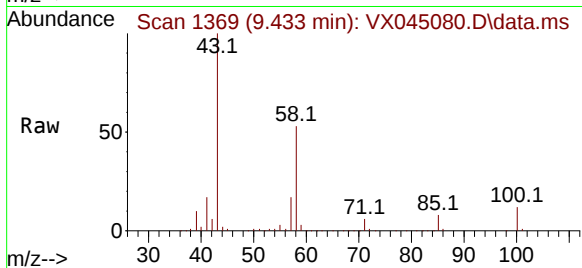
58 51.6 25.9 77.6

Manual Integrations

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Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 03/03/2025



#60

Dibromochloromethane

Concen: 18.475 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VX045080.D

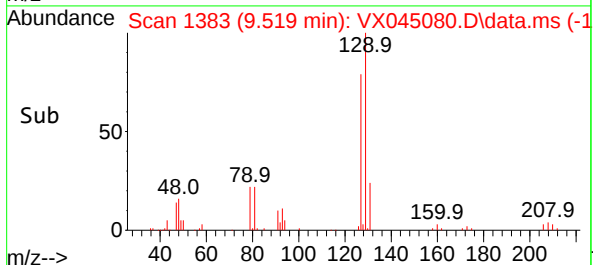
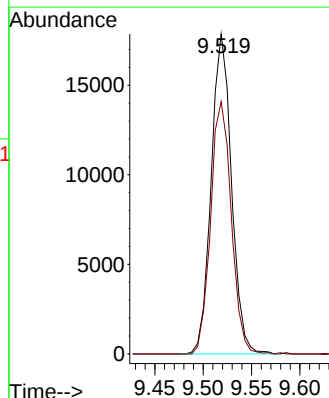
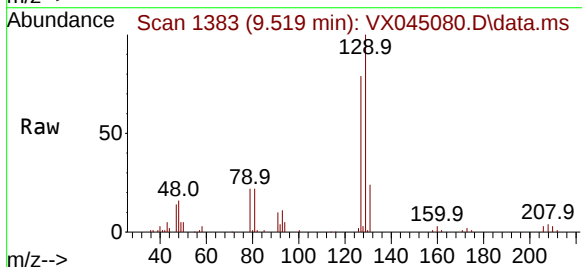
Acq: 28 Feb 2025 11:46

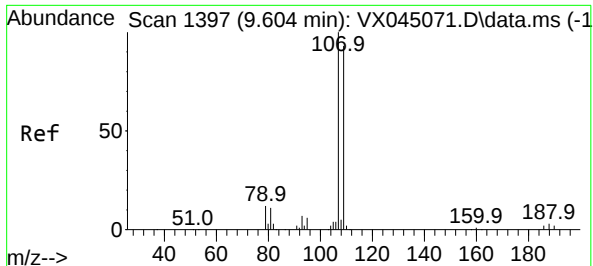
Tgt Ion:129 Resp: 26039

Ion Ratio Lower Upper

129 100

127 80.3 38.5 115.5





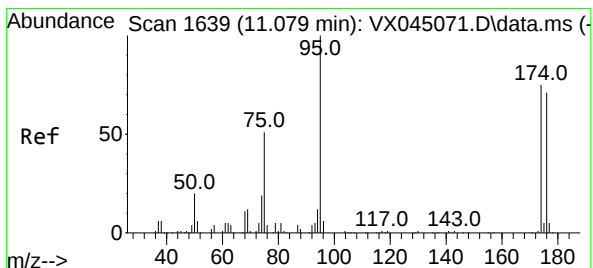
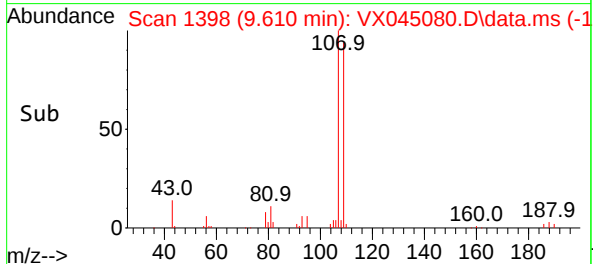
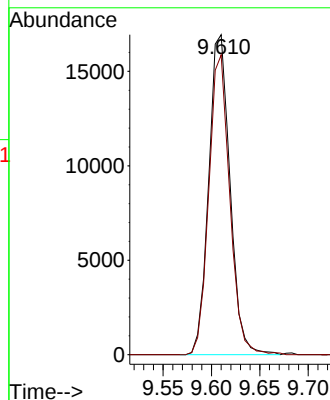
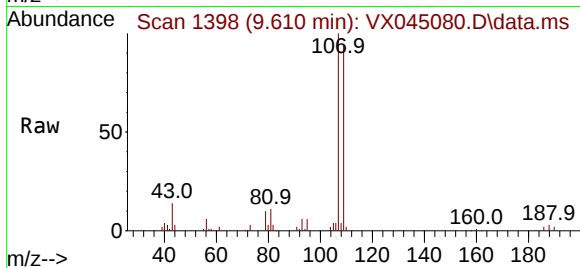
#61  
1,2-Dibromoethane  
Concen: 19.303 ug/l  
RT: 9.610 min Scan# 1397  
Delta R.T. 0.006 min  
Lab File: VX045080.D  
Acq: 28 Feb 2025 11:46

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0228WBS01

Tgt Ion:107 Resp: 25970  
Ion Ratio Lower Upper  
107 100  
109 92.2 76.1 114.1

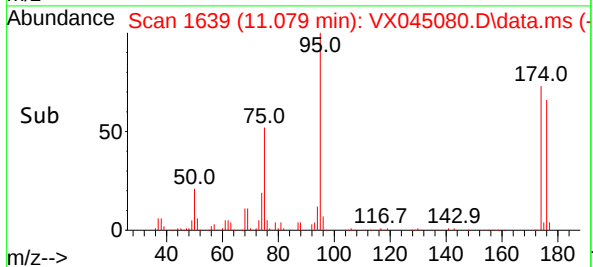
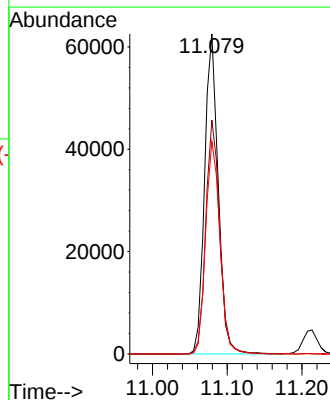
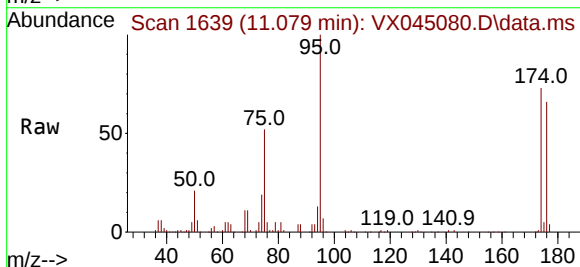
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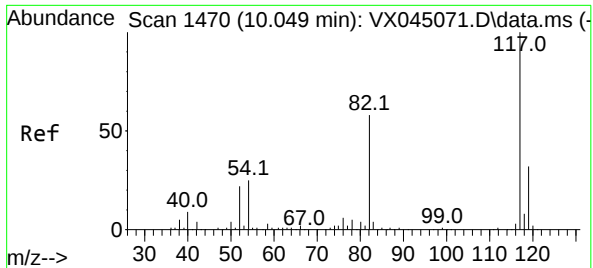
Reviewed By :John Carlone 02/28/2025  
Supervised By :Mahesh Dadoda 03/03/2025



#62  
4-Bromofluorobenzene  
Concen: 51.005 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX045080.D  
Acq: 28 Feb 2025 11:46

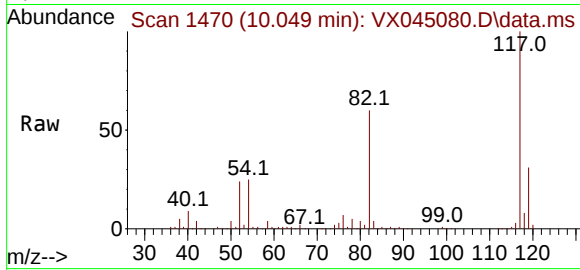
Tgt Ion: 95 Resp: 78964  
Ion Ratio Lower Upper  
95 100  
174 74.9 0.0 148.2  
176 69.8 0.0 141.4





#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 10.049 min Scan# 1470  
Delta R.T. -0.000 min  
Lab File: VX045080.D  
Acq: 28 Feb 2025 11:46

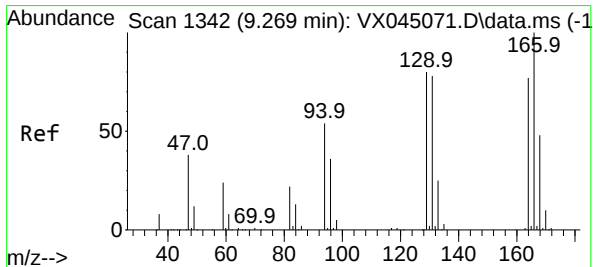
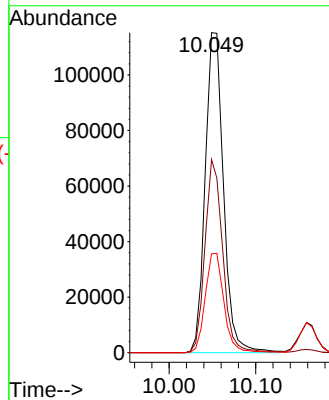
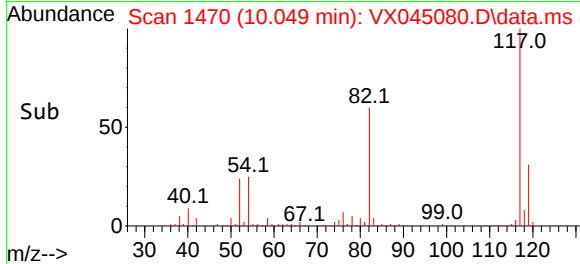
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0228WBS01



Tgt Ion:117 Resp: 169474  
Ion Ratio Lower Upper  
117 100  
82 60.4 46.3 69.5  
119 30.9 25.7 38.5

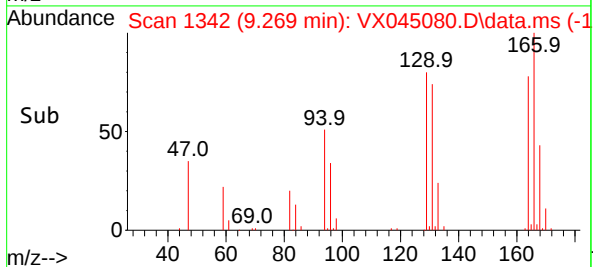
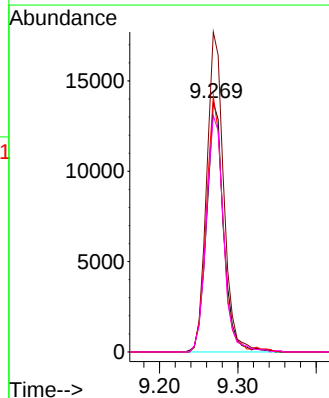
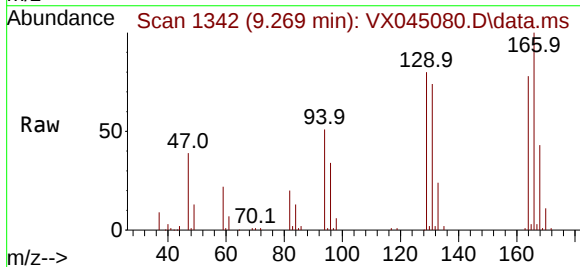
Manual Integrations  
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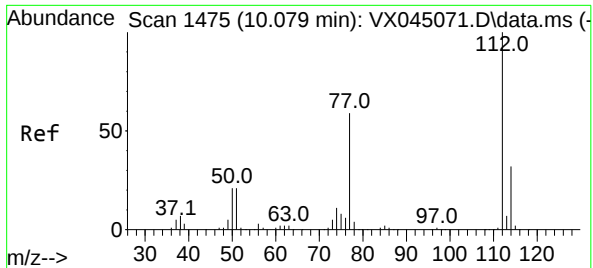
Reviewed By :John Carlone 02/28/2025  
Supervised By :Mahesh Dadoda 03/03/2025



#64  
Tetrachloroethene  
Concen: 19.012 ug/l  
RT: 9.269 min Scan# 1342  
Delta R.T. -0.000 min  
Lab File: VX045080.D  
Acq: 28 Feb 2025 11:46

Tgt Ion:164 Resp: 20636  
Ion Ratio Lower Upper  
164 100  
166 128.4 103.6 155.4  
129 102.7 82.7 124.1  
131 94.8 80.5 120.7





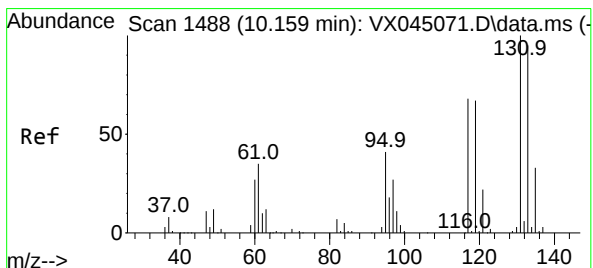
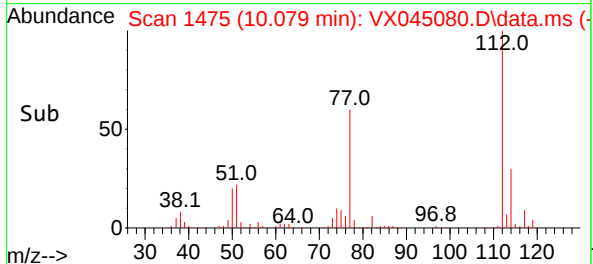
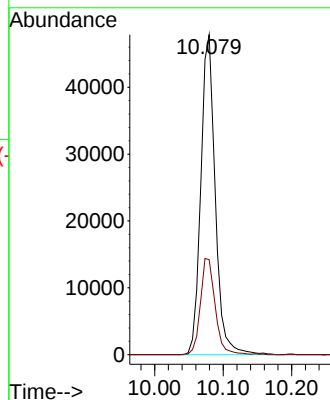
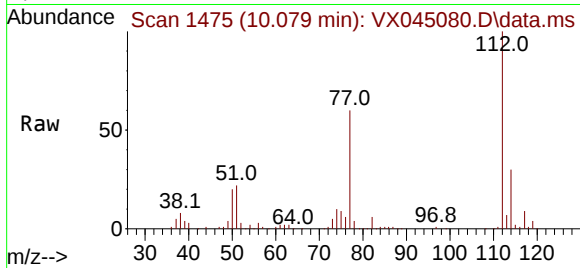
#65  
Chlorobenzene  
Concen: 19.571 ug/l  
RT: 10.079 min Scan# 1475  
Delta R.T. -0.000 min  
Lab File: VX045080.D  
Acq: 28 Feb 2025 11:46

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0228WBS01

Tgt Ion:112 Resp: 7018  
Ion Ratio Lower Upper  
112 100  
114 29.7 26.0 39.0

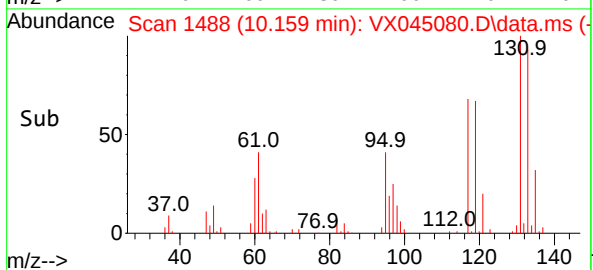
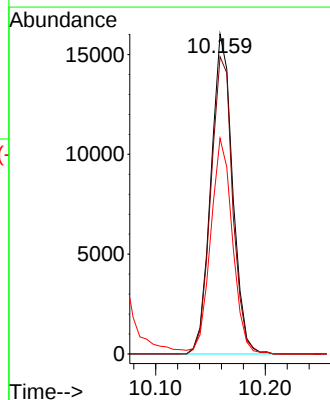
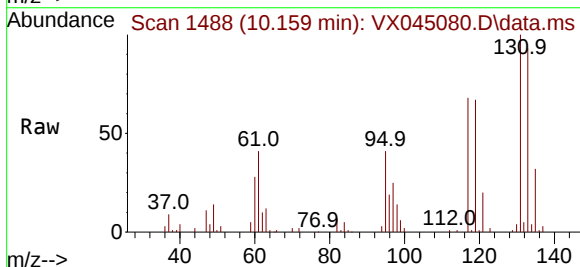
Manual Integrations  
APPROVED

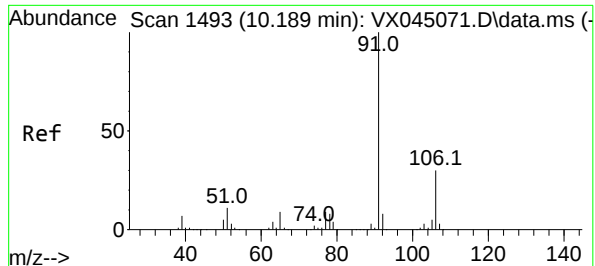
Reviewed By :John Carlone 02/28/2025  
Supervised By :Mahesh Dadoda 03/03/2025



#66  
1,1,1,2-Tetrachloroethane  
Concen: 18.381 ug/l  
RT: 10.159 min Scan# 1488  
Delta R.T. -0.000 min  
Lab File: VX045080.D  
Acq: 28 Feb 2025 11:46

Tgt Ion:131 Resp: 21951  
Ion Ratio Lower Upper  
131 100  
133 93.9 48.6 145.9  
119 67.9 33.9 101.7





#67

Ethyl Benzene

Concen: 19.418 ug/l

RT: 10.189 min Scan# 1493

Delta R.T. -0.000 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

Instrument :

MSVOA\_X

ClientSampleId :

VX0228WBS01

Tgt Ion: 91 Resp: 12133

Ion Ratio Lower Upper

91 100

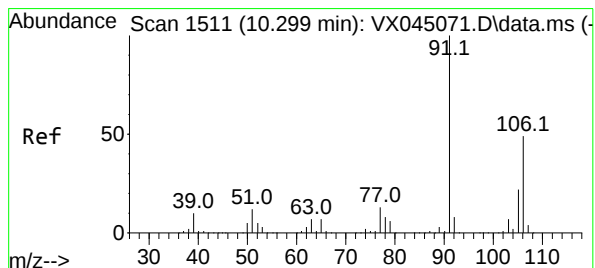
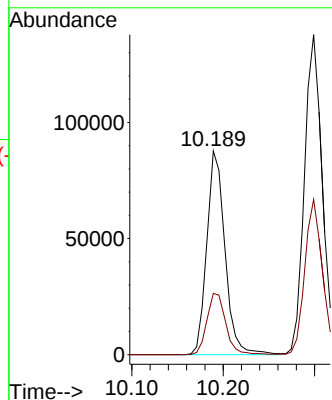
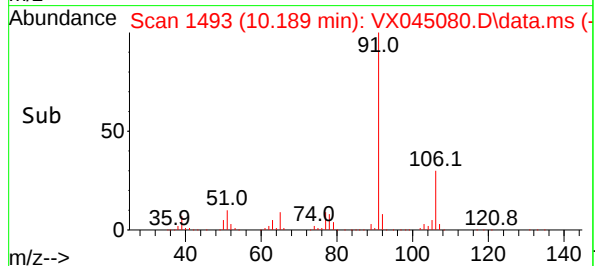
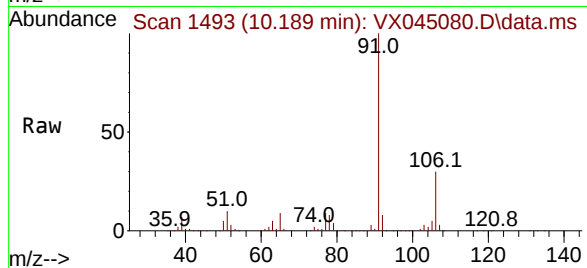
106 30.1 23.9 35.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 03/03/2025



#68

m/p-Xylenes

Concen: 40.136 ug/l

RT: 10.299 min Scan# 1511

Delta R.T. -0.000 min

Lab File: VX045080.D

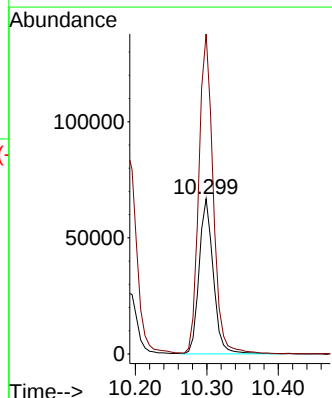
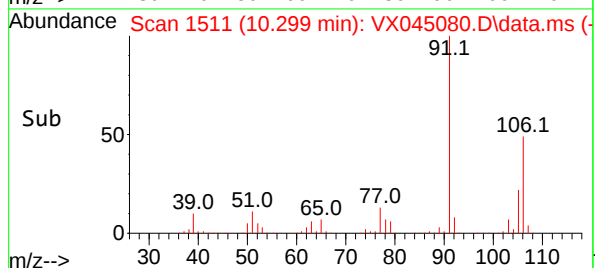
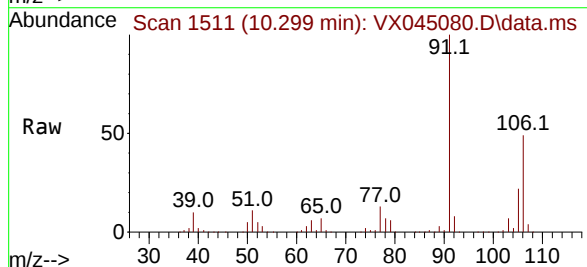
Acq: 28 Feb 2025 11:46

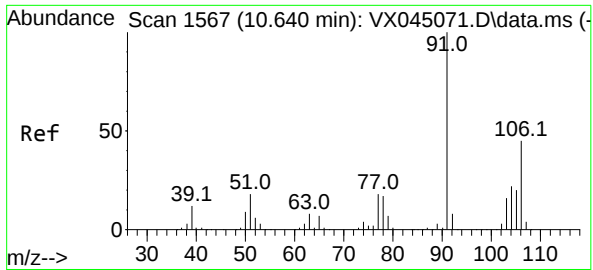
Tgt Ion:106 Resp: 91808

Ion Ratio Lower Upper

106 100

91 208.5 165.4 248.0





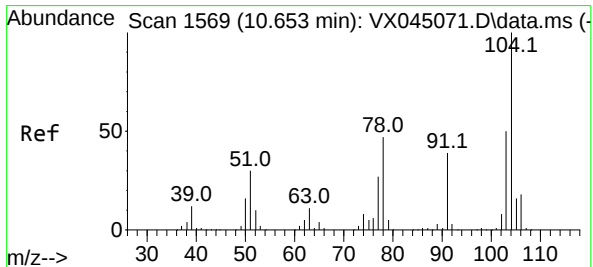
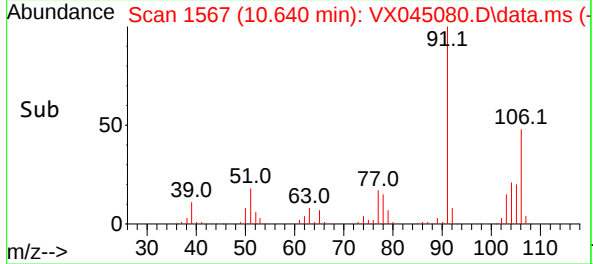
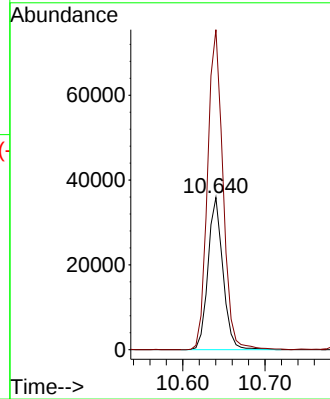
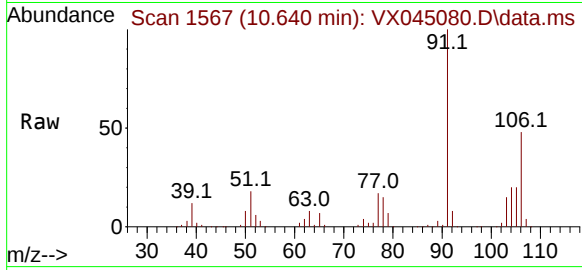
#69  
o-Xylene  
Concen: 19.659 ug/l  
RT: 10.640 min Scan# 1567  
Delta R.T. -0.000 min  
Lab File: VX045080.D  
Acq: 28 Feb 2025 11:46

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0228WBS01

Tgt Ion:106 Resp: 45354  
Ion Ratio Lower Upper  
106 100  
91 217.3 109.9 329.6

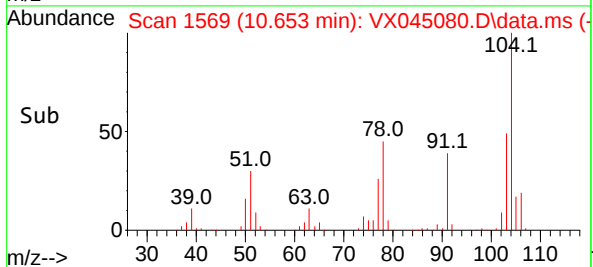
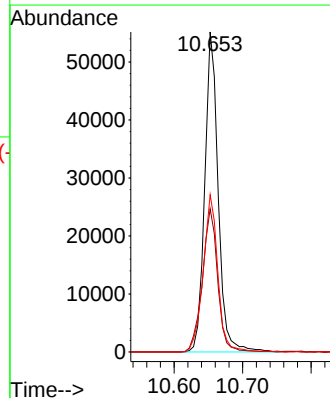
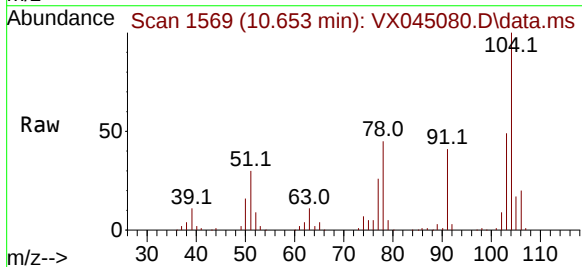
Manual Integrations  
APPROVED

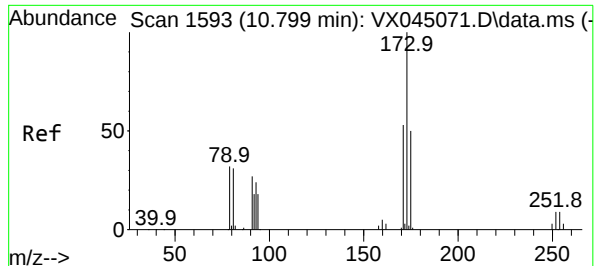
Reviewed By :John Carlone 02/28/2025  
Supervised By :Mahesh Dadoda 03/03/2025



#70  
Styrene  
Concen: 20.230 ug/l  
RT: 10.653 min Scan# 1569  
Delta R.T. -0.000 min  
Lab File: VX045080.D  
Acq: 28 Feb 2025 11:46

Tgt Ion:104 Resp: 75515  
Ion Ratio Lower Upper  
104 100  
78 50.7 42.2 63.4  
103 53.7 43.8 65.8





#71

Bromoform

Concen: 18.196 ug/l

RT: 10.799 min Scan# 1593

Delta R.T. -0.000 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

Instrument :

MSVOA\_X

ClientSampleId :

VX0228WBS01

Tgt Ion:173 Resp: 16380

Ion Ratio Lower Upper

173 100

175 48.7 24.6 73.6

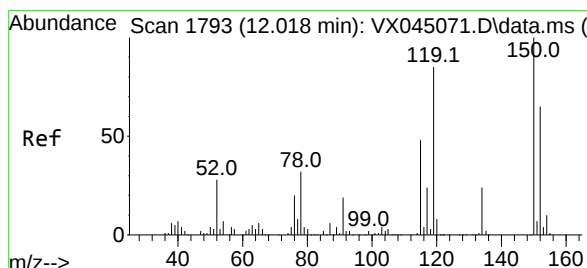
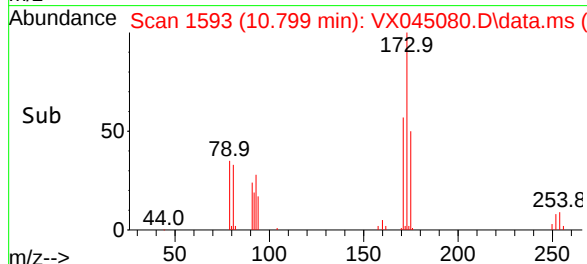
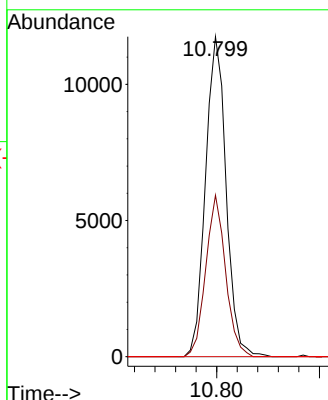
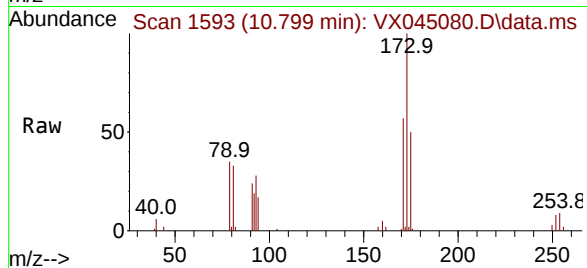
254 0.0 0.0 0.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 03/03/2025



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

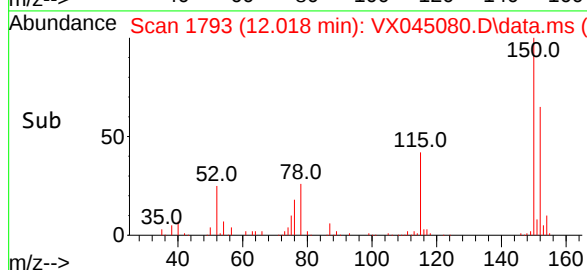
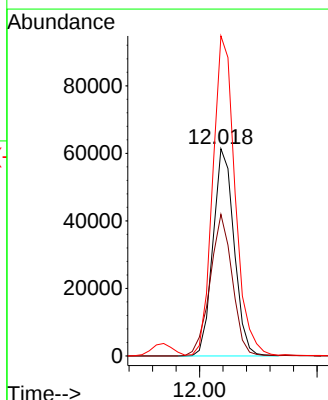
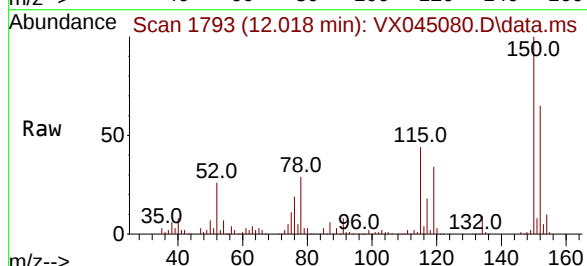
Tgt Ion:152 Resp: 76472

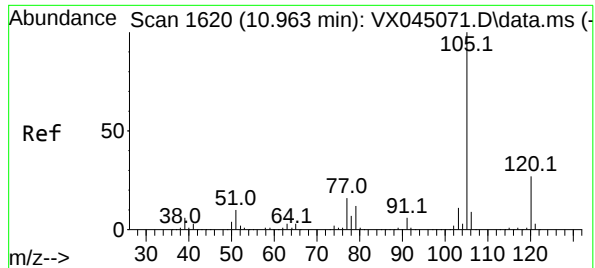
Ion Ratio Lower Upper

152 100

115 71.9 44.2 132.6

150 163.9 0.0 349.0





#73

Isopropylbenzene

Concen: 19.389 ug/l

RT: 10.957 min Scan# 1

Delta R.T. -0.006 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

Instrument :

MSVOA\_X

ClientSampleId :

VX0228WBS01

Tgt Ion:105 Resp: 11573

Ion Ratio Lower Upper

105 100

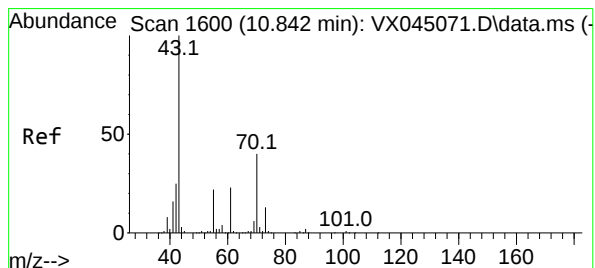
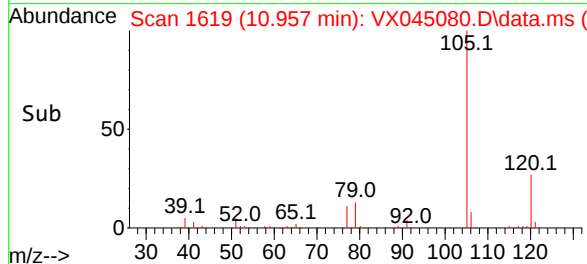
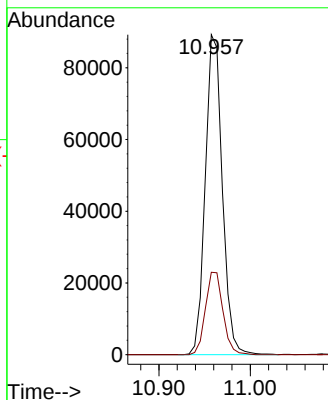
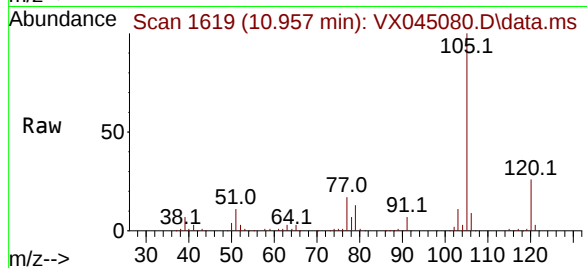
120 26.5 13.2 39.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 03/03/2025



#74

N-ethyl acetate

Concen: 18.981 ug/l

RT: 10.842 min Scan# 1600

Delta R.T. -0.000 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

Tgt Ion: 43 Resp: 53161

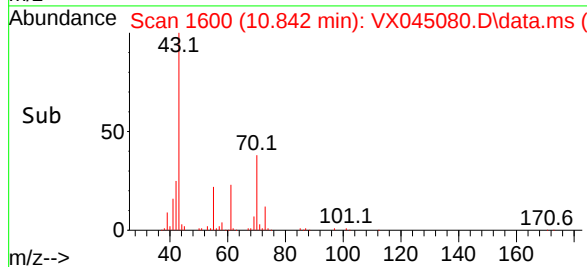
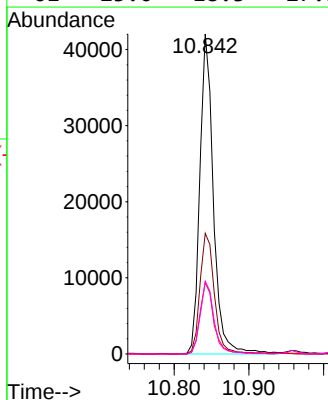
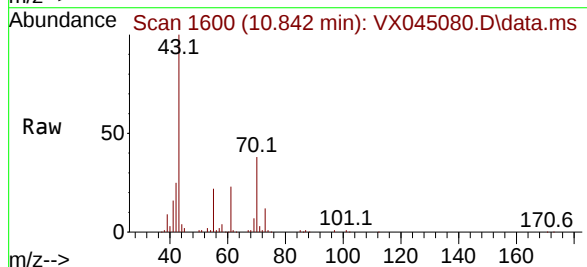
Ion Ratio Lower Upper

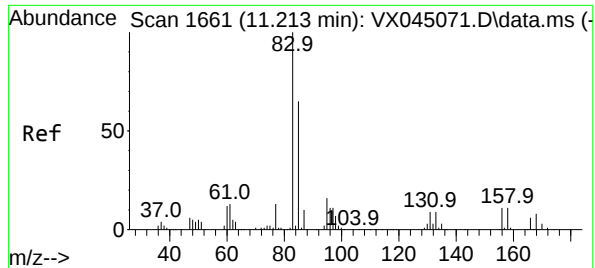
43 100

70 40.0 31.8 47.6

55 23.0 18.3 27.5

61 23.0 18.3 27.5





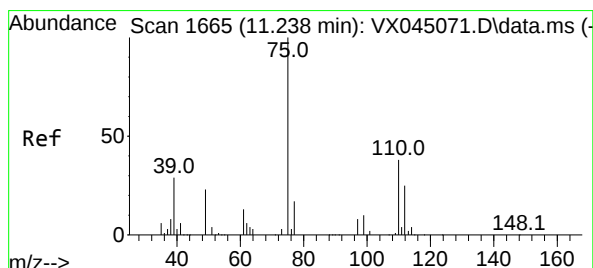
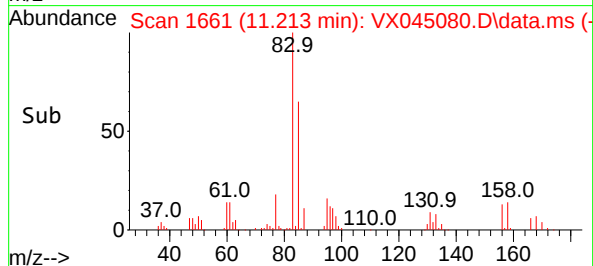
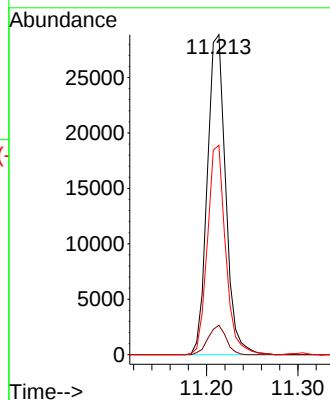
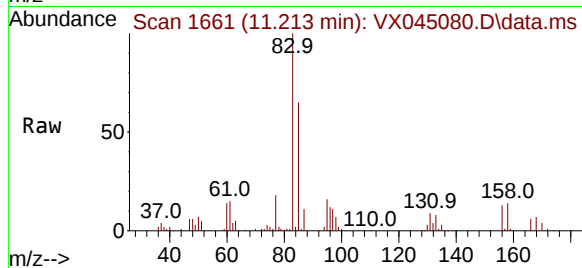
#75  
1,1,2,2-Tetrachloroethane  
Concen: 18.311 ug/l  
RT: 11.213 min Scan# 1661  
Delta R.T. -0.000 min  
Lab File: VX045080.D  
Acq: 28 Feb 2025 11:46

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0228WBS01

Tgt Ion: 83 Resp: 4010  
Ion Ratio Lower Upper  
83 100  
131 9.0 4.5 13.4  
85 64.9 31.7 95.1

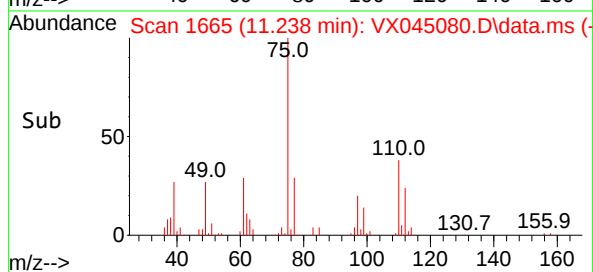
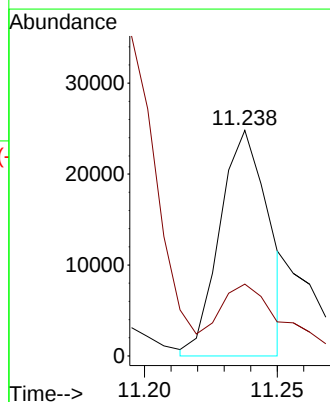
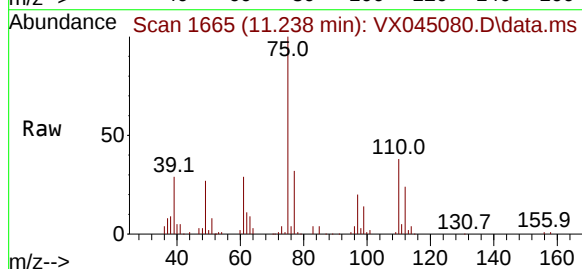
Manual Integrations  
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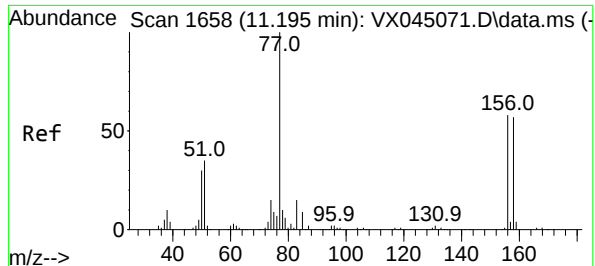
Reviewed By :John Carlone 02/28/2025  
Supervised By :Mahesh Dadoda 03/03/2025



#76  
1,2,3-Trichloropropane  
Concen: 17.847 ug/l m  
RT: 11.238 min Scan# 1665  
Delta R.T. -0.000 min  
Lab File: VX045080.D  
Acq: 28 Feb 2025 11:46

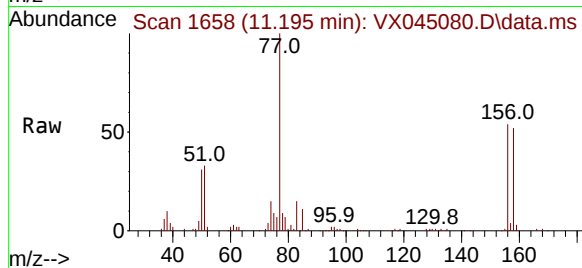
Tgt Ion: 75 Resp: 31765  
Ion Ratio Lower Upper  
75 100  
77 42.6 20.7 62.1





#77  
Bromobenzene  
Concen: 19.058 ug/l  
RT: 11.195 min Scan# 1658  
Delta R.T. -0.000 min  
Lab File: VX045080.D  
Acq: 28 Feb 2025 11:46

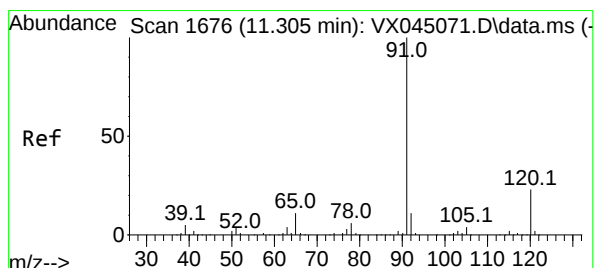
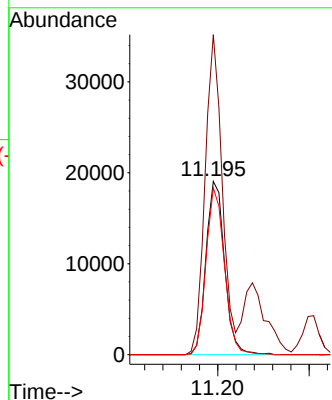
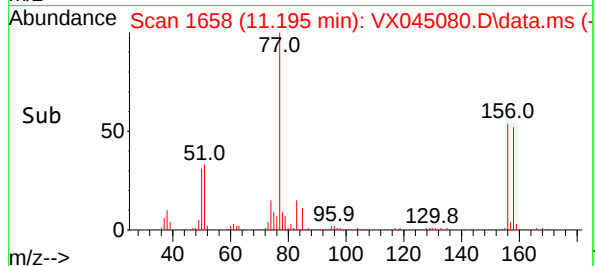
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0228WBS01



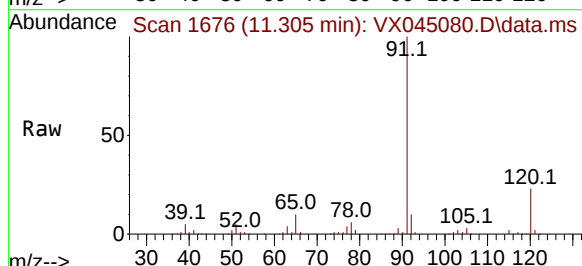
Tgt Ion:156 Resp: 26840  
Ion Ratio Lower Upper  
156 100  
77 170.0 85.8 257.4  
158 95.1 48.4 145.2

Manual Integrations  
APPROVED

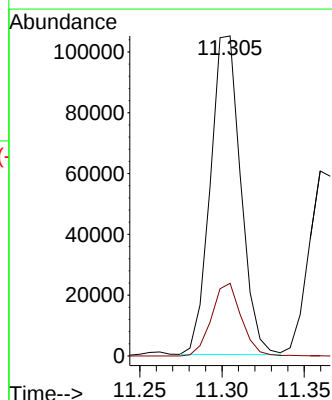
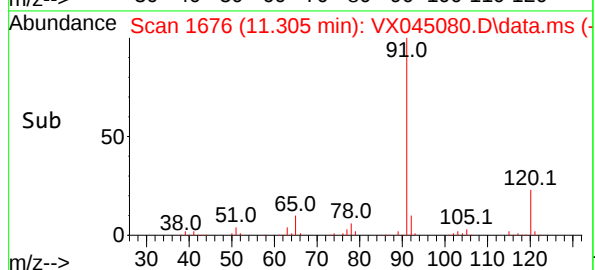
Reviewed By :John Carlone 02/28/2025  
Supervised By :Mahesh Dadoda 03/03/2025

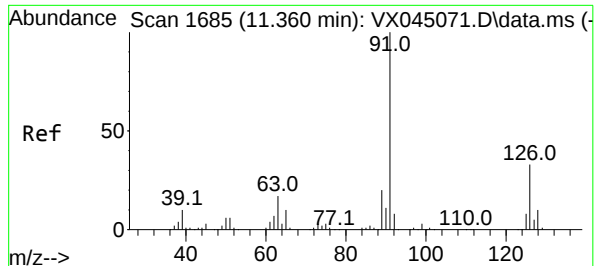


#78  
n-propylbenzene  
Concen: 20.023 ug/l  
RT: 11.305 min Scan# 1676  
Delta R.T. -0.000 min  
Lab File: VX045080.D  
Acq: 28 Feb 2025 11:46



Tgt Ion: 91 Resp: 135011  
Ion Ratio Lower Upper  
91 100  
120 22.3 11.2 33.6





#79

2-Chlorotoluene

Concen: 18.869 ug/l

RT: 11.360 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

Instrument :

MSVOA\_X

ClientSampleId :

VX0228WBS01

Tgt Ion: 91 Resp: 8102

Ion Ratio Lower Upper

91 100

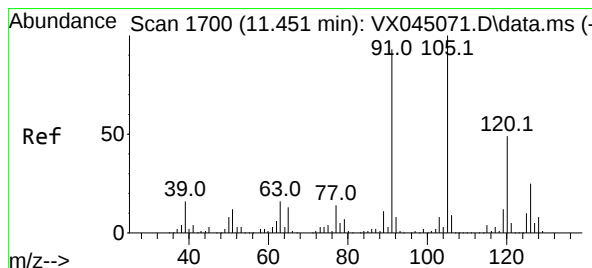
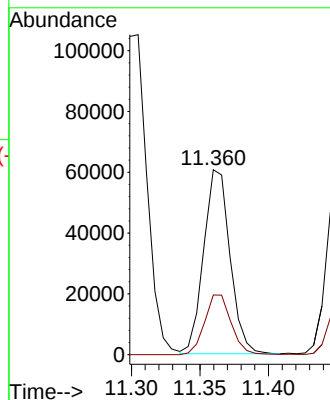
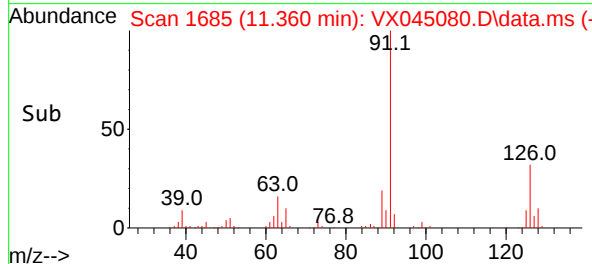
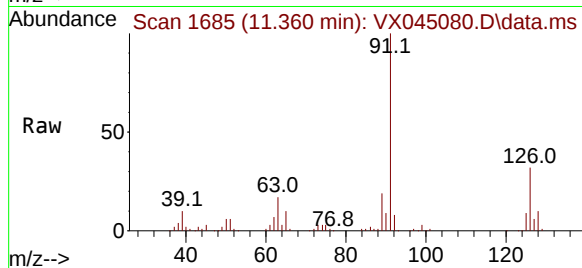
126 32.9 16.4 49.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 03/03/2025



#80

1,3,5-Trimethylbenzene

Concen: 20.095 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX045080.D

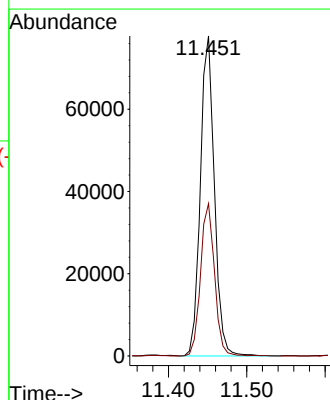
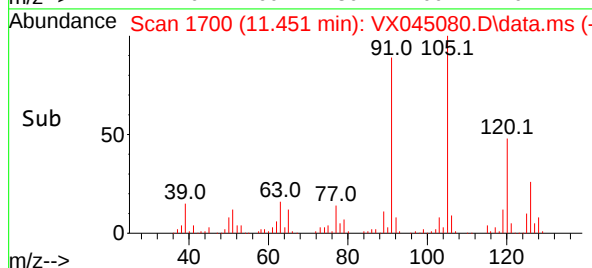
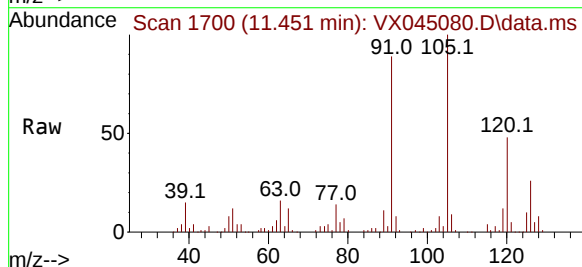
Acq: 28 Feb 2025 11:46

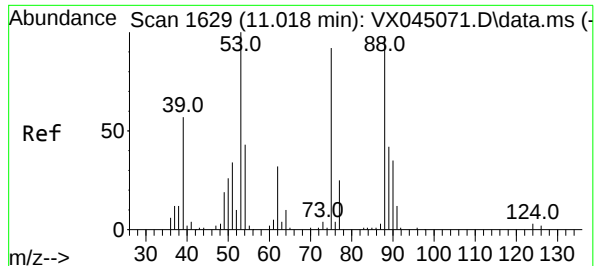
Tgt Ion:105 Resp: 96986

Ion Ratio Lower Upper

105 100

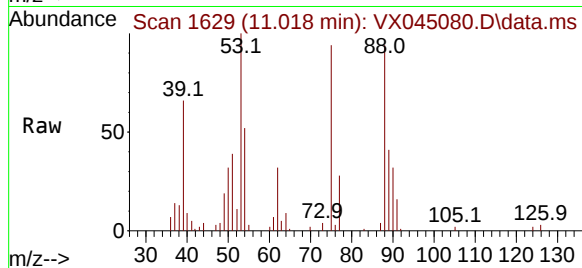
120 47.5 24.1 72.2





#81  
trans-1,4-Dichloro-2-butene  
Concen: 17.808 ug/l  
RT: 11.018 min Scan# 1629  
Delta R.T. -0.000 min  
Lab File: VX045080.D  
Acq: 28 Feb 2025 11:46

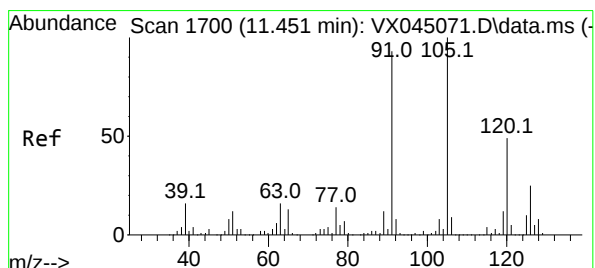
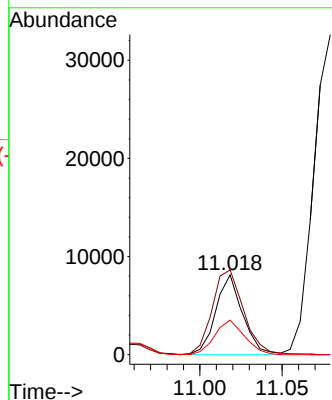
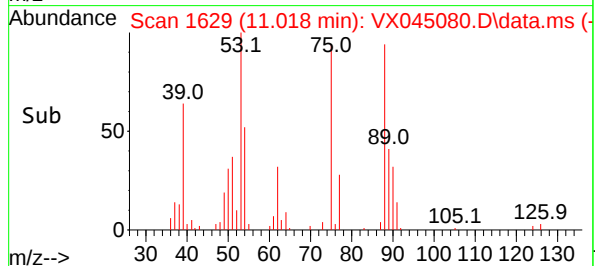
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0228WBS01



Tgt Ion: 75 Resp: 926  
Ion Ratio Lower Upper  
75 100  
53 124.2 88.5 132.7  
89 47.6 36.2 54.4

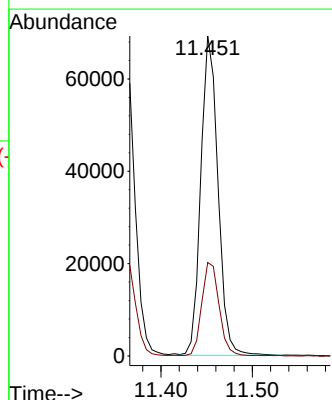
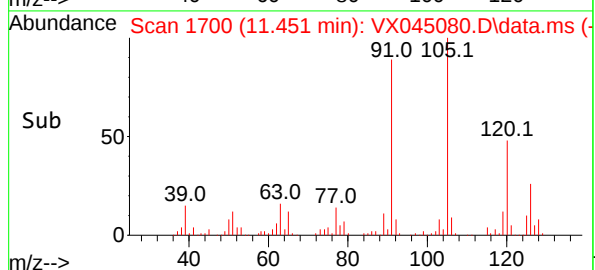
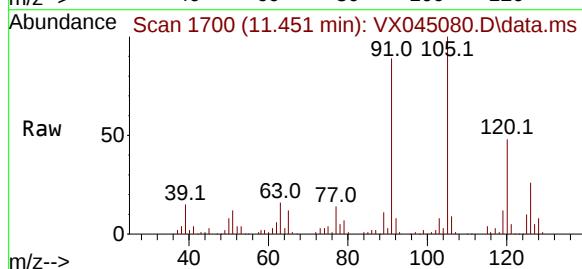
Manual Integrations  
APPROVED

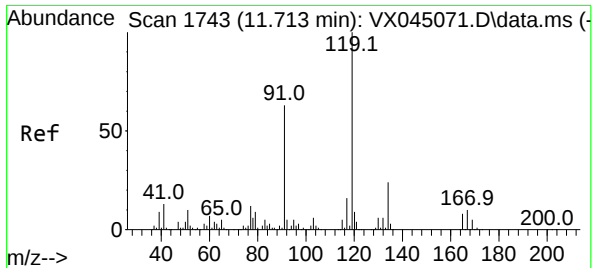
Reviewed By :John Carlone 02/28/2025  
Supervised By :Mahesh Dadoda 03/03/2025



#82  
4-Chlorotoluene  
Concen: 19.254 ug/l  
RT: 11.451 min Scan# 1700  
Delta R.T. -0.000 min  
Lab File: VX045080.D  
Acq: 28 Feb 2025 11:46

Tgt Ion: 91 Resp: 90109  
Ion Ratio Lower Upper  
91 100  
126 29.5 14.1 42.4





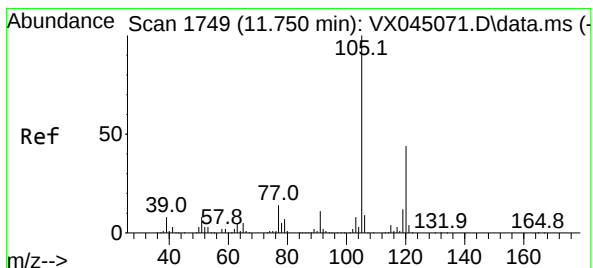
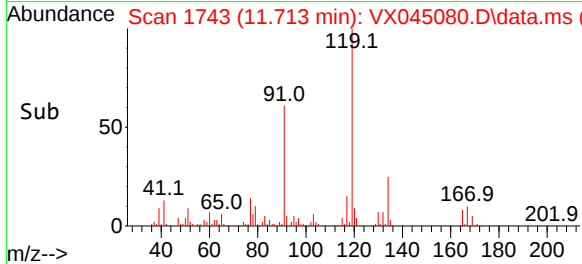
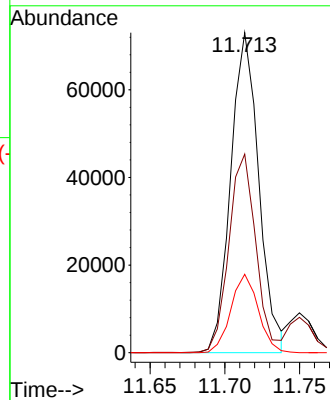
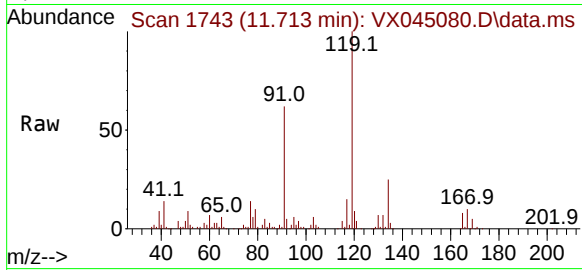
#83  
tert-Butylbenzene  
Concen: 19.251 ug/l  
RT: 11.713 min Scan# 1743  
Delta R.T. -0.000 min  
Lab File: VX045080.D  
Acq: 28 Feb 2025 11:46

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0228WBS01

Tgt Ion:119 Resp: 9546  
Ion Ratio Lower Upper  
119 100  
91 60.2 30.7 92.1  
134 24.0 11.7 35.0

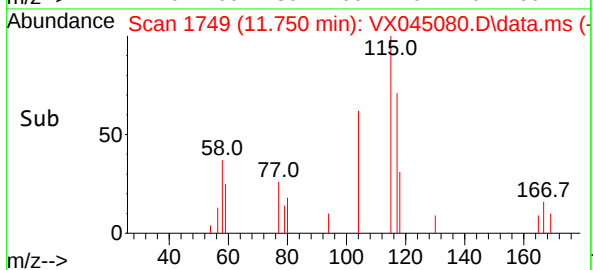
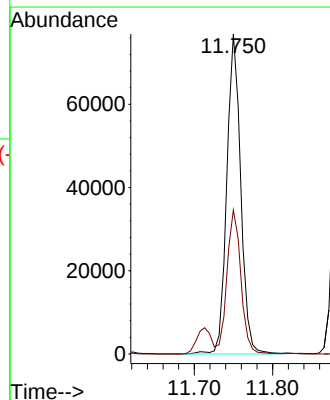
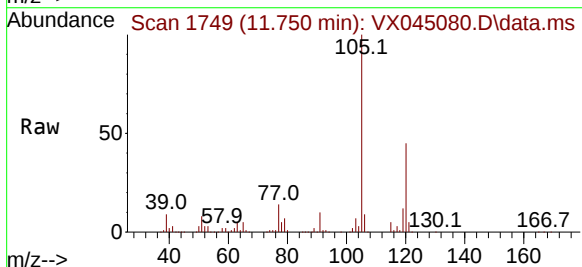
Manual Integrations  
APPROVED

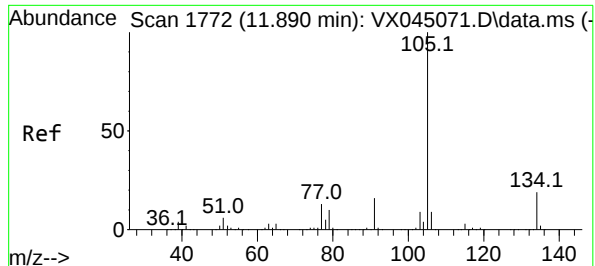
Reviewed By :John Carlone 02/28/2025  
Supervised By :Mahesh Dadoda 03/03/2025



#84  
1,2,4-Trimethylbenzene  
Concen: 19.618 ug/l  
RT: 11.750 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VX045080.D  
Acq: 28 Feb 2025 11:46

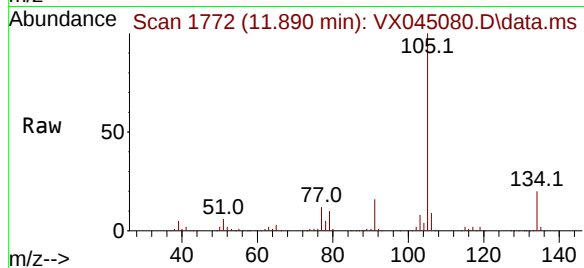
Tgt Ion:105 Resp: 95268  
Ion Ratio Lower Upper  
105 100  
120 44.7 22.1 66.1





#85  
 sec-Butylbenzene  
 Concen: 19.930 ug/l  
 RT: 11.890 min Scan# 1772  
 Delta R.T. -0.000 min  
 Lab File: VX045080.D  
 Acq: 28 Feb 2025 11:46

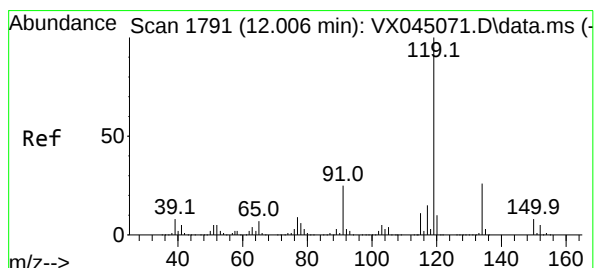
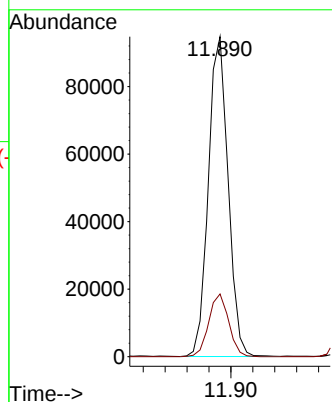
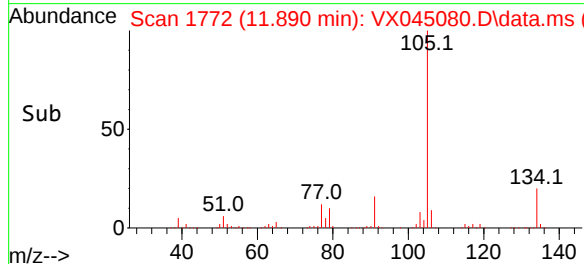
Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0228WBS01



Tgt Ion:105 Resp: 11838  
 Ion Ratio Lower Upper  
 105 100  
 134 19.9 9.8 29.4

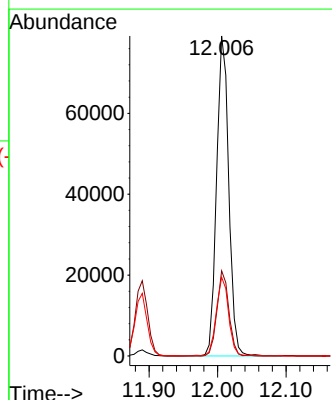
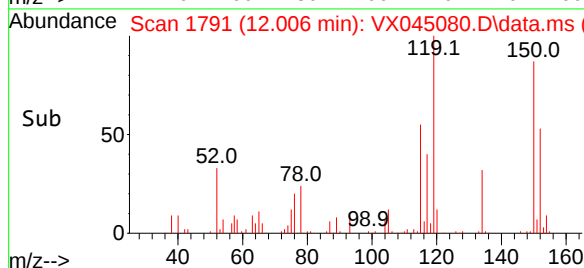
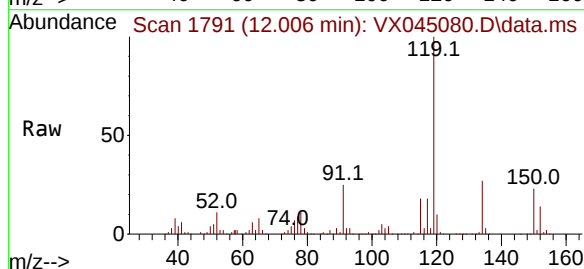
Manual Integrations  
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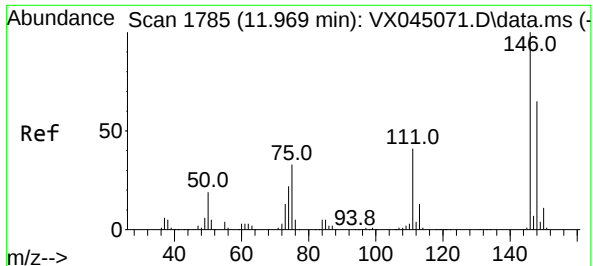
Reviewed By :John Carlone 02/28/2025  
 Supervised By :Mahesh Dadoda 03/03/2025



#86  
 p-Isopropyltoluene  
 Concen: 20.363 ug/l  
 RT: 12.006 min Scan# 1791  
 Delta R.T. -0.000 min  
 Lab File: VX045080.D  
 Acq: 28 Feb 2025 11:46

Tgt Ion:119 Resp: 97752  
 Ion Ratio Lower Upper  
 119 100  
 134 26.0 12.9 38.6  
 91 25.0 12.7 38.0





#87

1,3-Dichlorobenzene

Concen: 19.459 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

Instrument :

MSVOA\_X

ClientSampleId :

VX0228WBS01

Tgt Ion:146 Resp: 4888

Ion Ratio Lower Upper

146 100

111 41.2 21.1 63.4

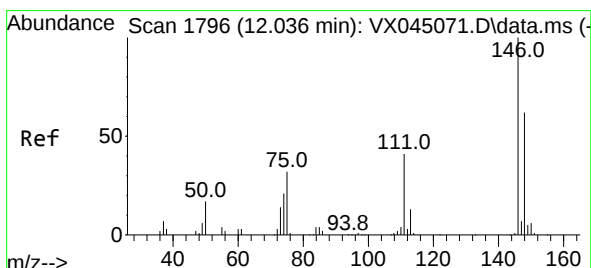
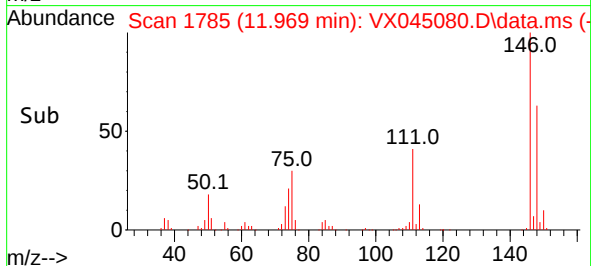
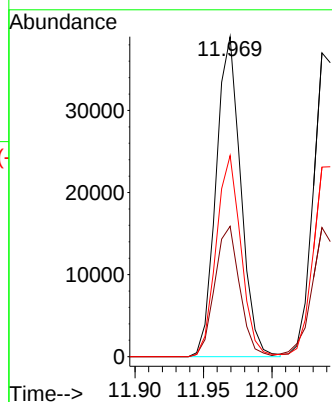
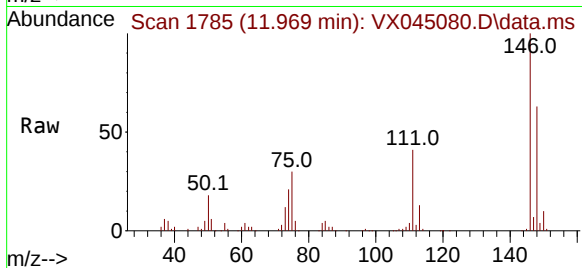
148 63.0 31.9 95.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 03/03/2025



#88

1,4-Dichlorobenzene

Concen: 19.373 ug/l

RT: 12.036 min Scan# 1796

Delta R.T. -0.000 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

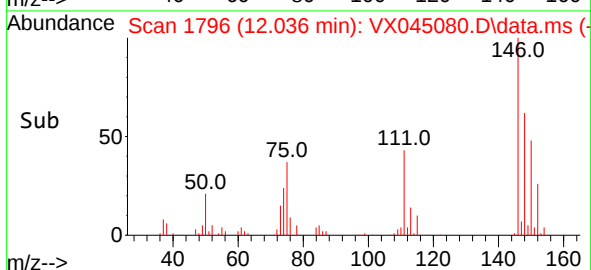
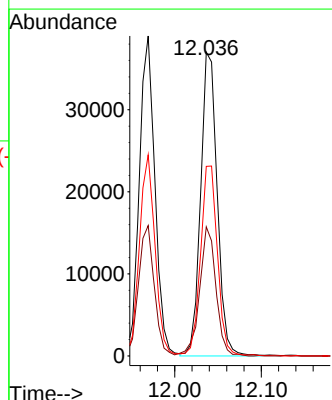
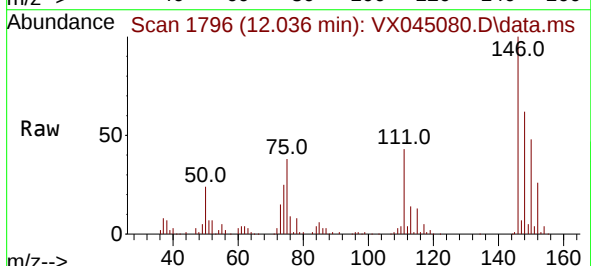
Tgt Ion:146 Resp: 49240

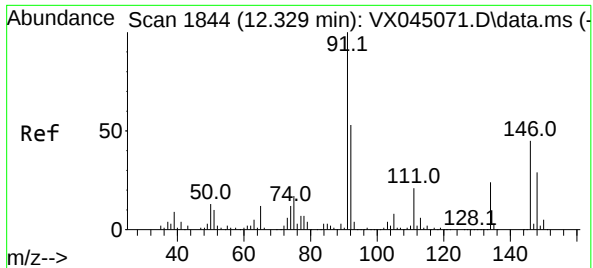
Ion Ratio Lower Upper

146 100

111 41.9 20.2 60.5

148 63.9 31.9 95.9





#89

n-Butylbenzene

Concen: 20.441 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.000 min

Lab File: VX045080.D

Acq: 28 Feb 2025 11:46

Instrument :

MSVOA\_X

ClientSampleId :

VX0228WBS01

Tgt Ion: 91 Resp: 8451

Ion Ratio Lower Upper

91 100

92 53.7 26.7 80.0

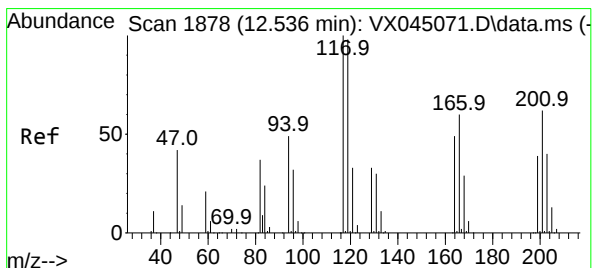
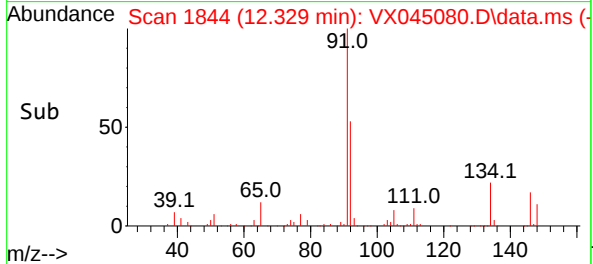
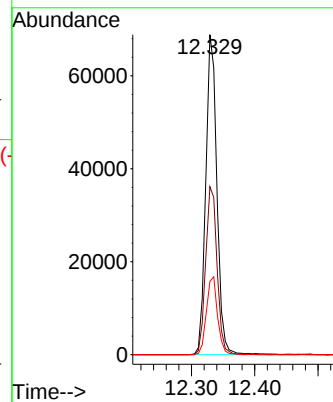
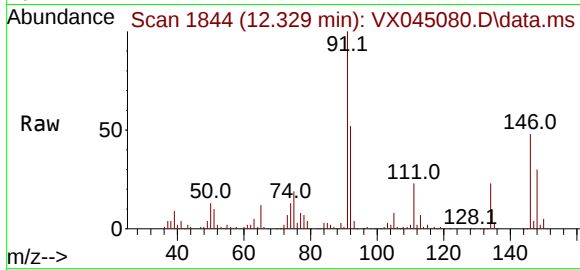
134 24.4 12.2 36.6

Manual Integrations

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Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 03/03/2025



#90

Hexachloroethane

Concen: 18.549 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.000 min

Lab File: VX045080.D

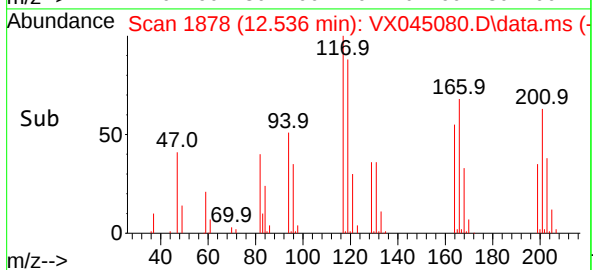
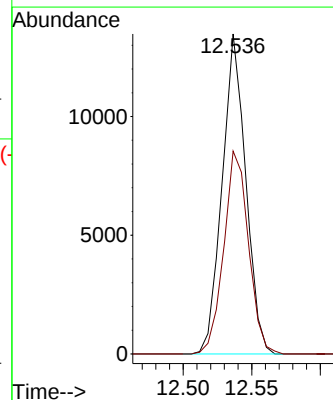
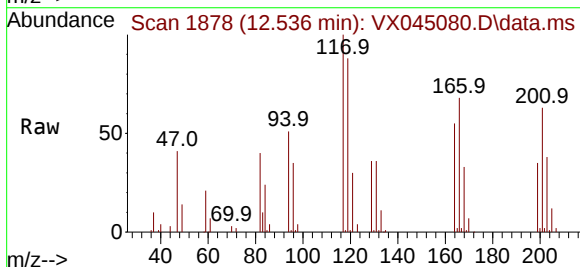
Acq: 28 Feb 2025 11:46

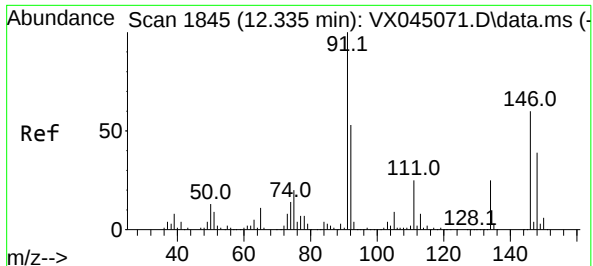
Tgt Ion:117 Resp: 16106

Ion Ratio Lower Upper

117 100

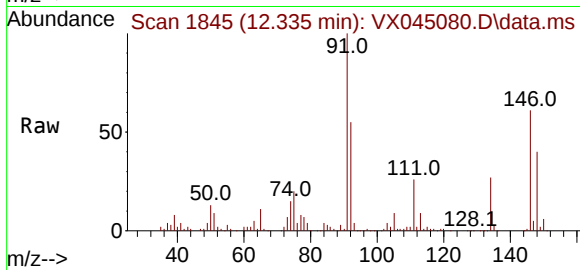
201 66.5 31.9 95.9





#91  
1,2-Dichlorobenzene  
Concen: 19.400 ug/l  
RT: 12.335 min Scan# 1845  
Delta R.T. -0.000 min  
Lab File: VX045080.D  
Acq: 28 Feb 2025 11:46

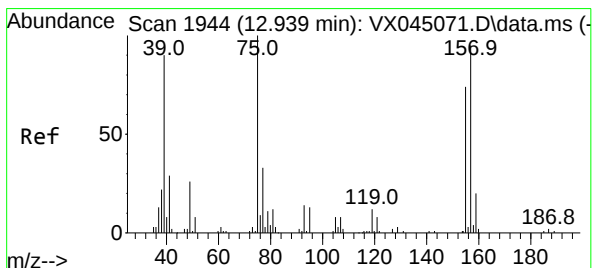
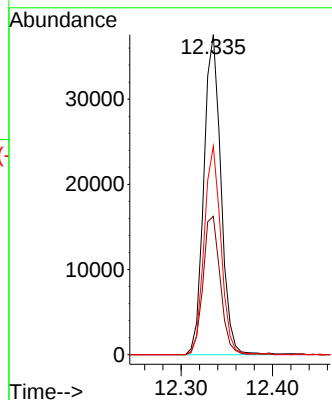
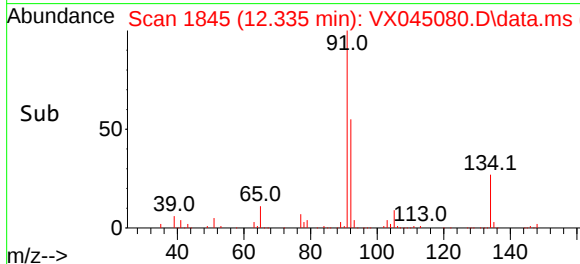
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0228WBS01



Tgt Ion:146 Resp: 4889  
Ion Ratio Lower Upper  
146 100  
111 43.6 21.6 65.0  
148 63.7 31.9 95.9

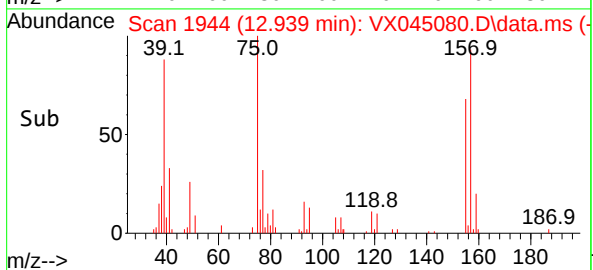
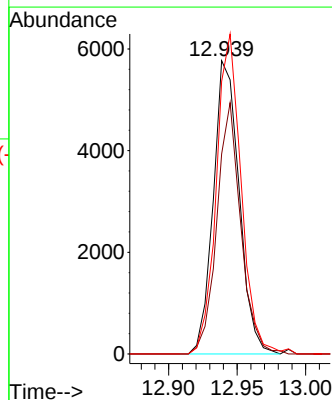
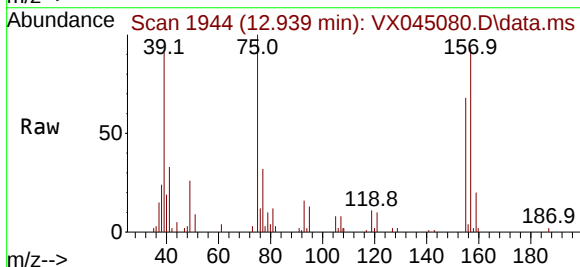
Manual Integrations  
APPROVED

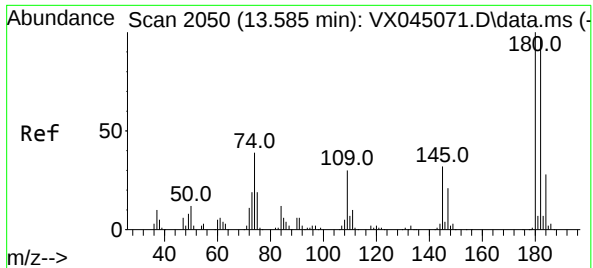
Reviewed By :John Carlone 02/28/2025  
Supervised By :Mahesh Dadoda 03/03/2025



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 17.719 ug/l  
RT: 12.939 min Scan# 1944  
Delta R.T. -0.000 min  
Lab File: VX045080.D  
Acq: 28 Feb 2025 11:46

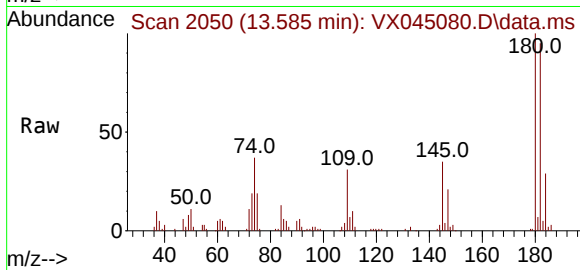
Tgt Ion: 75 Resp: 7561  
Ion Ratio Lower Upper  
75 100  
155 79.3 39.6 118.7  
157 105.1 51.1 153.4





#93  
1,2,4-Trichlorobenzene  
Concen: 19.684 ug/l  
RT: 13.585 min Scan# 2050  
Delta R.T. -0.000 min  
Lab File: VX045080.D  
Acq: 28 Feb 2025 11:46

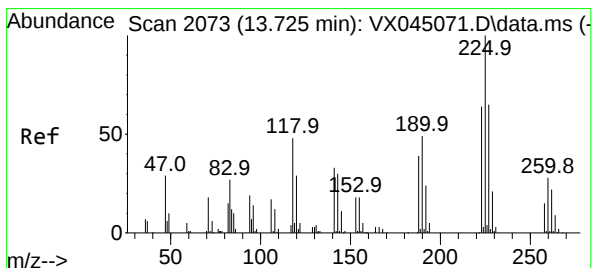
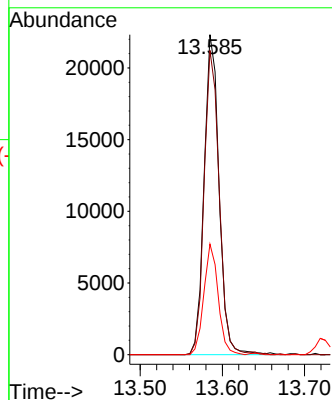
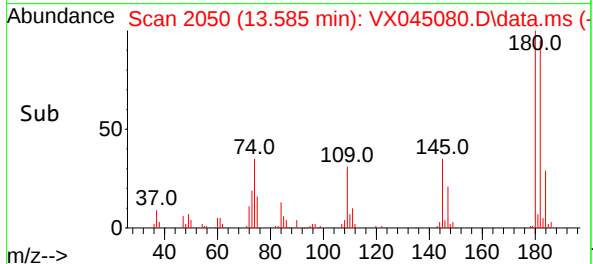
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0228WBS01



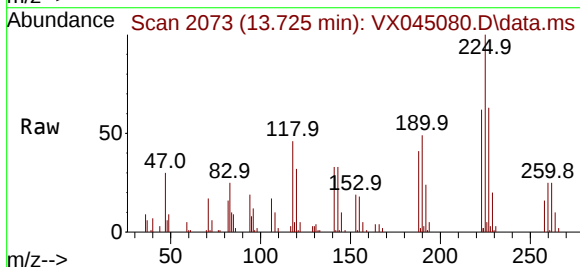
Tgt Ion:180 Resp: 2824  
Ion Ratio Lower Upper  
180 100  
182 95.6 47.3 141.9  
145 33.1 16.3 48.9

Manual Integrations  
APPROVED

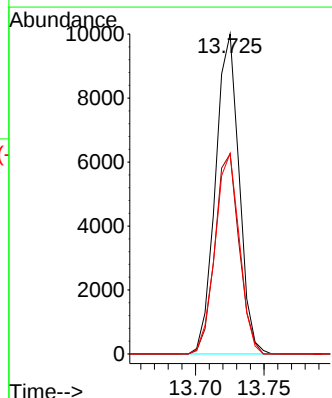
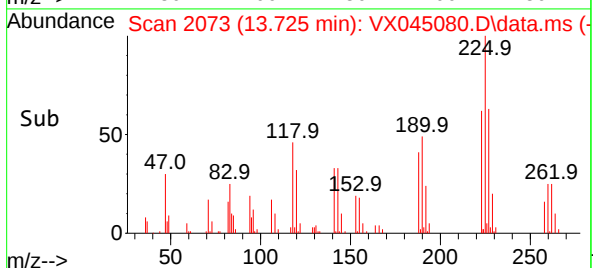
Reviewed By :John Carlone 02/28/2025  
Supervised By :Mahesh Dadoda 03/03/2025

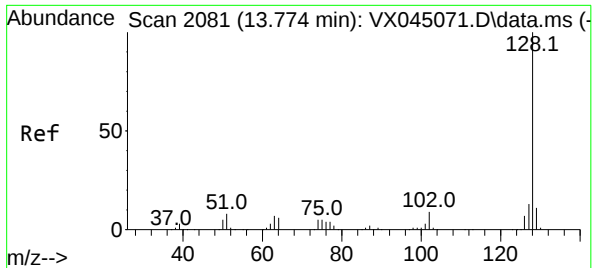


#94  
Hexachlorobutadiene  
Concen: 20.362 ug/l  
RT: 13.725 min Scan# 2073  
Delta R.T. -0.000 min  
Lab File: VX045080.D  
Acq: 28 Feb 2025 11:46



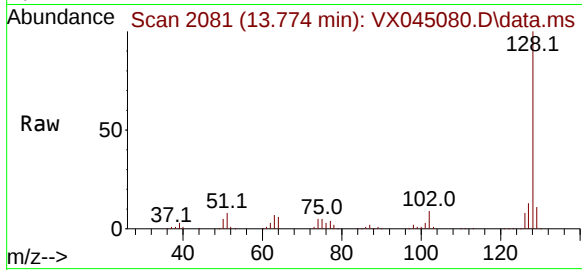
Tgt Ion:225 Resp: 11980  
Ion Ratio Lower Upper  
225 100  
223 64.2 31.9 95.7  
227 64.4 31.4 94.0





#95  
Naphthalene  
Concen: 19.237 ug/l  
RT: 13.774 min Scan# 2081  
Delta R.T. -0.000 min  
Lab File: VX045080.D  
Acq: 28 Feb 2025 11:46

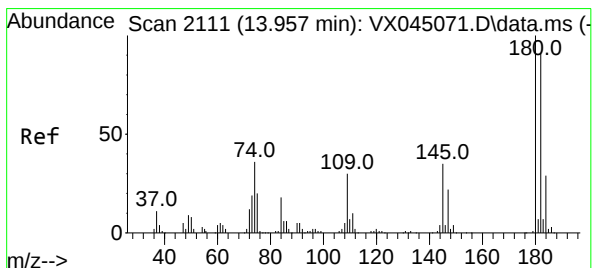
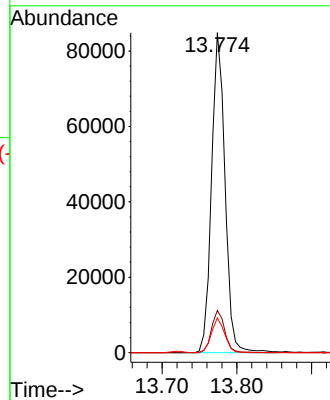
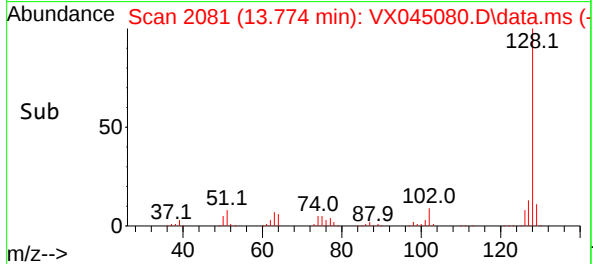
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0228WBS01



Tgt Ion:128 Resp: 10606  
Ion Ratio Lower Upper  
128 100  
127 13.0 10.3 15.5  
129 10.7 8.7 13.1

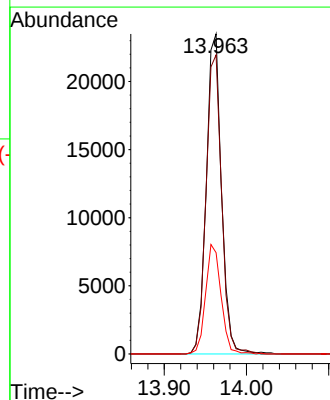
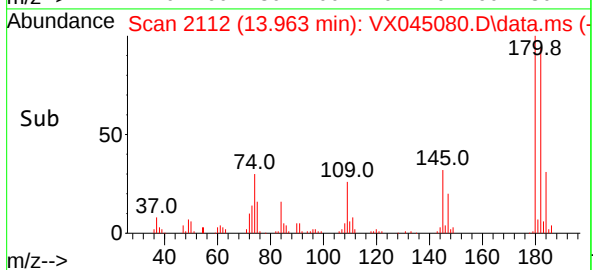
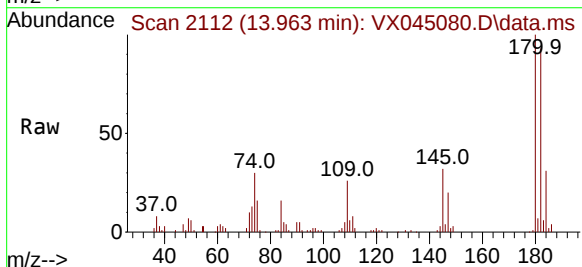
Manual Integrations  
APPROVED

Reviewed By :John Carlone 02/28/2025  
Supervised By :Mahesh Dadoda 03/03/2025



#96  
1,2,3-Trichlorobenzene  
Concen: 19.855 ug/l  
RT: 13.963 min Scan# 2112  
Delta R.T. 0.006 min  
Lab File: VX045080.D  
Acq: 28 Feb 2025 11:46

Tgt Ion:180 Resp: 30059  
Ion Ratio Lower Upper  
180 100  
182 95.8 47.5 142.6  
145 34.9 17.0 50.9



Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX022825\  
 Data File : VX045081.D  
 Acq On : 28 Feb 2025 12:13  
 Operator : JC/MD  
 Sample : VX0228WBSD01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0228WBSD01

### Manual Integrations APPROVED

Reviewed By : John Carlone 02/28/2025  
 Supervised By : Mahesh Dadoda 03/03/2025

Quant Time: Feb 28 14:28:36 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X022825W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 28 06:45:16 2025  
 Response via : Initial Calibration

| Compound                     | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|------------------------------|----------------|------|------------|----------|--------|----------|
| -----                        |                |      |            |          |        |          |
| Internal Standards           |                |      |            |          |        |          |
| 1) Pentafluorobenzene        | 5.544          | 168  | 102676     | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene      | 6.757          | 114  | 183348     | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5         | 10.049         | 117  | 162382     | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4   | 12.018         | 152  | 73363      | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds  |                |      |            |          |        |          |
| 33) 1,2-Dichloroethane-d4    | 5.946          | 65   | 78381      | 47.992   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 74 - 125 |      | Recovery = | 95.980%  |        |          |
| 35) Dibromofluoromethane     | 5.379          | 113  | 60841      | 49.626   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 75 - 124 |      | Recovery = | 99.260%  |        |          |
| 50) Toluene-d8               | 8.647          | 98   | 222580     | 50.078   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 86 - 113 |      | Recovery = | 100.160% |        |          |
| 62) 4-Bromofluorobenzene     | 11.079         | 95   | 75997      | 51.599   | ug/l   | 0.00     |
| Spiked Amount 50.000         | Range 77 - 121 |      | Recovery = | 103.200% |        |          |
| Target Compounds             |                |      |            |          |        |          |
|                              |                |      |            |          | Qvalue |          |
| 2) Dichlorodifluoromethane   | 1.166          | 85   | 24425      | 18.898   | ug/l   | 98       |
| 3) Chloromethane             | 1.307          | 50   | 29444      | 18.616   | ug/l   | 98       |
| 4) Vinyl Chloride            | 1.374          | 62   | 28450      | 18.132   | ug/l   | 98       |
| 5) Bromomethane              | 1.593          | 94   | 11516      | 18.670   | ug/l   | 97       |
| 6) Chloroethane              | 1.660          | 64   | 11560      | 15.973   | ug/l   | 98       |
| 7) Trichlorofluoromethane    | 1.867          | 101  | 39715      | 19.120   | ug/l   | 99       |
| 8) Diethyl Ether             | 2.136          | 74   | 14681      | 18.070   | ug/l   | 94       |
| 9) 1,1,2-Trichlorotrifluo... | 2.313          | 101  | 24000      | 20.111   | ug/l   | 99       |
| 10) Methyl Iodide            | 2.441          | 142  | 26949      | 18.071   | ug/l   | 98       |
| 11) Tert butyl alcohol       | 2.995          | 59   | 26234      | 84.802   | ug/l   | 98       |
| 12) 1,1-Dichloroethene       | 2.306          | 96   | 22917      | 18.164   | ug/l   | 97       |
| 13) Acrolein                 | 2.233          | 56   | 42959      | 120.129  | ug/l   | 99       |
| 14) Allyl chloride           | 2.654          | 41   | 44373      | 19.758   | ug/l   | 98       |
| 15) Acrylonitrile            | 3.062          | 53   | 77891      | 93.945   | ug/l   | 100      |
| 16) Acetone                  | 2.386          | 43   | 67116      | 88.572   | ug/l   | 100      |
| 17) Carbon Disulfide         | 2.501          | 76   | 60232      | 17.924   | ug/l   | 99       |
| 18) Methyl Acetate           | 2.703          | 43   | 33723      | 18.499   | ug/l   | 100      |
| 19) Methyl tert-butyl Ether  | 3.111          | 73   | 78617      | 18.573   | ug/l   | 98       |
| 20) Methylene Chloride       | 2.782          | 84   | 26850      | 17.888   | ug/l   | 97       |
| 21) trans-1,2-Dichloroethene | 3.081          | 96   | 23488      | 18.844   | ug/l   | 96       |
| 22) Diisopropyl ether        | 3.757          | 45   | 87045      | 19.058   | ug/l # | 85       |
| 23) Vinyl Acetate            | 3.715          | 43   | 374531     | 98.261   | ug/l   | 99       |
| 24) 1,1-Dichloroethane       | 3.599          | 63   | 46160      | 18.033   | ug/l   | 98       |
| 25) 2-Butanone               | 4.562          | 43   | 109404     | 95.917   | ug/l   | 99       |
| 26) 2,2-Dichloropropane      | 4.465          | 77   | 32128      | 26.759   | ug/l   | 95       |
| 27) cis-1,2-Dichloroethene   | 4.477          | 96   | 29097      | 18.910   | ug/l   | 98       |
| 28) Bromochloromethane       | 4.897          | 49   | 22096      | 18.110   | ug/l   | 98       |
| 29) Tetrahydrofuran          | 5.007          | 42   | 71959      | 93.943   | ug/l   | 100      |
| 30) Chloroform               | 5.080          | 83   | 47136      | 18.533   | ug/l   | 94       |
| 31) Cyclohexane              | 5.458          | 56   | 43569      | 19.608   | ug/l   | 97       |
| 32) 1,1,1-Trichloroethane    | 5.373          | 97   | 38625      | 18.803   | ug/l   | 99       |
| 36) 1,1-Dichloropropene      | 5.684          | 75   | 31171      | 18.539   | ug/l   | 97       |
| 37) Ethyl Acetate            | 4.715          | 43   | 41163      | 19.000   | ug/l   | 99       |
| 38) Carbon Tetrachloride     | 5.672          | 117  | 32036      | 18.768   | ug/l   | 93       |
| 39) Methylcyclohexane        | 7.373          | 83   | 43300      | 21.493   | ug/l   | 97       |
| 40) Benzene                  | 6.031          | 78   | 102719     | 19.347   | ug/l   | 98       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX022825\  
 Data File : VX045081.D  
 Acq On : 28 Feb 2025 12:13  
 Operator : JC/MD  
 Sample : VX0228WBSD01  
 Misc : 5.0mL/MSVOA\_X/WATER  
 ALS Vial : 6 Sample Multiplier: 1

Instrument :  
 MSVOA\_X  
 ClientSampleId :  
 VX0228WBSD01

### Manual Integrations APPROVED

Reviewed By : John Carlone 02/28/2025  
 Supervised By : Mahesh Dadoda 03/03/2025

Quant Time: Feb 28 14:28:36 2025  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X022825W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Feb 28 06:45:16 2025  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc    | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|---------|--------|----------|
| 41) Methacrylonitrile         | 4.922  | 41   | 22353    | 19.081  | ug/l   | 98       |
| 42) 1,2-Dichloroethane        | 6.086  | 62   | 36431    | 19.055  | ug/l   | 98       |
| 43) Isopropyl Acetate         | 6.342  | 43   | 62918    | 19.639  | ug/l   | 99       |
| 44) Trichloroethene           | 7.117  | 130  | 23736    | 19.040  | ug/l   | 89       |
| 45) 1,2-Dichloropropane       | 7.427  | 63   | 25968    | 19.023  | ug/l   | 97       |
| 46) Dibromomethane            | 7.580  | 93   | 18730    | 19.412  | ug/l   | 99       |
| 47) Bromodichloromethane      | 7.818  | 83   | 35890    | 18.964  | ug/l   | 98       |
| 48) Methyl methacrylate       | 7.690  | 41   | 31227    | 19.429  | ug/l   | 99       |
| 49) 1,4-Dioxane               | 7.665  | 88   | 13374    | 394.478 | ug/l   | 97       |
| 51) 4-Methyl-2-Pentanone      | 8.574  | 43   | 215285   | 100.083 | ug/l   | 99       |
| 52) Toluene                   | 8.714  | 92   | 62012    | 19.907  | ug/l   | 99       |
| 53) t-1,3-Dichloropropene     | 8.976  | 75   | 31552    | 19.942  | ug/l   | 99       |
| 54) cis-1,3-Dichloropropene   | 8.366  | 75   | 37263    | 20.197  | ug/l   | 96       |
| 55) 1,1,2-Trichloroethane     | 9.153  | 97   | 25421    | 19.823  | ug/l   | 97       |
| 56) Ethyl methacrylate        | 9.116  | 69   | 38375    | 19.686  | ug/l   | 97       |
| 57) 1,3-Dichloropropane       | 9.305  | 76   | 43601    | 19.646  | ug/l   | 100      |
| 58) 2-Chloroethyl Vinyl ether | 8.238  | 63   | 98607    | 103.699 | ug/l   | 99       |
| 59) 2-Hexanone                | 9.427  | 43   | 156586   | 100.470 | ug/l   | 99       |
| 60) Dibromochloromethane      | 9.519  | 129  | 25707    | 19.172  | ug/l   | 97       |
| 61) 1,2-Dibromoethane         | 9.610  | 107  | 25351    | 19.802  | ug/l   | 100      |
| 64) Tetrachloroethene         | 9.269  | 164  | 20506    | 19.717  | ug/l   | 94       |
| 65) Chlorobenzene             | 10.079 | 112  | 67717    | 19.708  | ug/l   | 98       |
| 66) 1,1,1,2-Tetrachloroethane | 10.159 | 131  | 21552    | 18.835  | ug/l   | 98       |
| 67) Ethyl Benzene             | 10.189 | 91   | 118363   | 19.770  | ug/l   | 100      |
| 68) m/p-Xylenes               | 10.299 | 106  | 89858    | 41.000  | ug/l   | 98       |
| 69) o-Xylene                  | 10.640 | 106  | 43790    | 19.810  | ug/l   | 98       |
| 70) Styrene                   | 10.652 | 104  | 72492    | 20.268  | ug/l   | 99       |
| 71) Bromoform                 | 10.799 | 173  | 16021    | 18.567  | ug/l # | 99       |
| 73) Isopropylbenzene          | 10.957 | 105  | 112773   | 19.694  | ug/l   | 99       |
| 74) N-amyl acetate            | 10.841 | 43   | 51992    | 19.350  | ug/l   | 99       |
| 75) 1,1,2,2-Tetrachloroethane | 11.213 | 83   | 39599    | 18.845  | ug/l   | 98       |
| 76) 1,2,3-Trichloropropane    | 11.238 | 75   | 31916m   | 18.691  | ug/l   |          |
| 77) Bromobenzene              | 11.195 | 156  | 25894    | 19.166  | ug/l   | 98       |
| 78) n-propylbenzene           | 11.299 | 91   | 128893   | 19.926  | ug/l   | 100      |
| 79) 2-Chlorotoluene           | 11.360 | 91   | 78548    | 19.067  | ug/l   | 99       |
| 80) 1,3,5-Trimethylbenzene    | 11.451 | 105  | 93040    | 20.095  | ug/l   | 99       |
| 81) trans-1,4-Dichloro-2-b... | 11.018 | 75   | 9730     | 19.501  | ug/l   | 95       |
| 82) 4-Chlorotoluene           | 11.451 | 91   | 89378    | 19.907  | ug/l   | 99       |
| 83) tert-Butylbenzene         | 11.713 | 119  | 91865    | 19.310  | ug/l   | 99       |
| 84) 1,2,4-Trimethylbenzene    | 11.750 | 105  | 92622    | 19.881  | ug/l   | 100      |
| 85) sec-Butylbenzene          | 11.890 | 105  | 115708   | 20.305  | ug/l   | 100      |
| 86) p-Isopropyltoluene        | 12.006 | 119  | 93388    | 20.278  | ug/l   | 99       |
| 87) 1,3-Dichlorobenzene       | 11.969 | 146  | 47023    | 19.510  | ug/l   | 99       |
| 88) 1,4-Dichlorobenzene       | 12.042 | 146  | 47637    | 19.536  | ug/l   | 98       |
| 89) n-Butylbenzene            | 12.329 | 91   | 80942    | 20.407  | ug/l   | 99       |
| 90) Hexachloroethane          | 12.536 | 117  | 15192    | 18.238  | ug/l   | 96       |
| 91) 1,2-Dichlorobenzene       | 12.335 | 146  | 47753    | 19.751  | ug/l   | 99       |
| 92) 1,2-Dibromo-3-Chloropr... | 12.939 | 75   | 7566     | 18.482  | ug/l   | 96       |
| 93) 1,2,4-Trichlorobenzene    | 13.585 | 180  | 28524    | 20.719  | ug/l   | 97       |
| 94) Hexachlorobutadiene       | 13.725 | 225  | 11519    | 20.409  | ug/l   | 99       |
| 95) Naphthalene               | 13.774 | 128  | 106178   | 20.074  | ug/l   | 100      |
| 96) 1,2,3-Trichlorobenzene    | 13.963 | 180  | 29563    | 20.355  | ug/l   | 99       |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_X\Data\VX022825\  
Data File : VX045081.D  
Acq On : 28 Feb 2025 12:13  
Operator : JC/MD  
Sample : VX0228WBSD01  
Misc : 5.0mL/MSVOA\_X/WATER  
ALS Vial : 6 Sample Multiplier: 1

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0228WBSD01

Manual Integrations  
**APPROVED**

Reviewed By :John Carlone 02/28/2025  
Supervised By :Mahesh Dadoda 03/03/2025

Quant Time: Feb 28 14:28:36 2025  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_X\Method\82X022825W.M  
Quant Title : SW846 8260  
QLast Update : Fri Feb 28 06:45:16 2025  
Response via : Initial Calibration

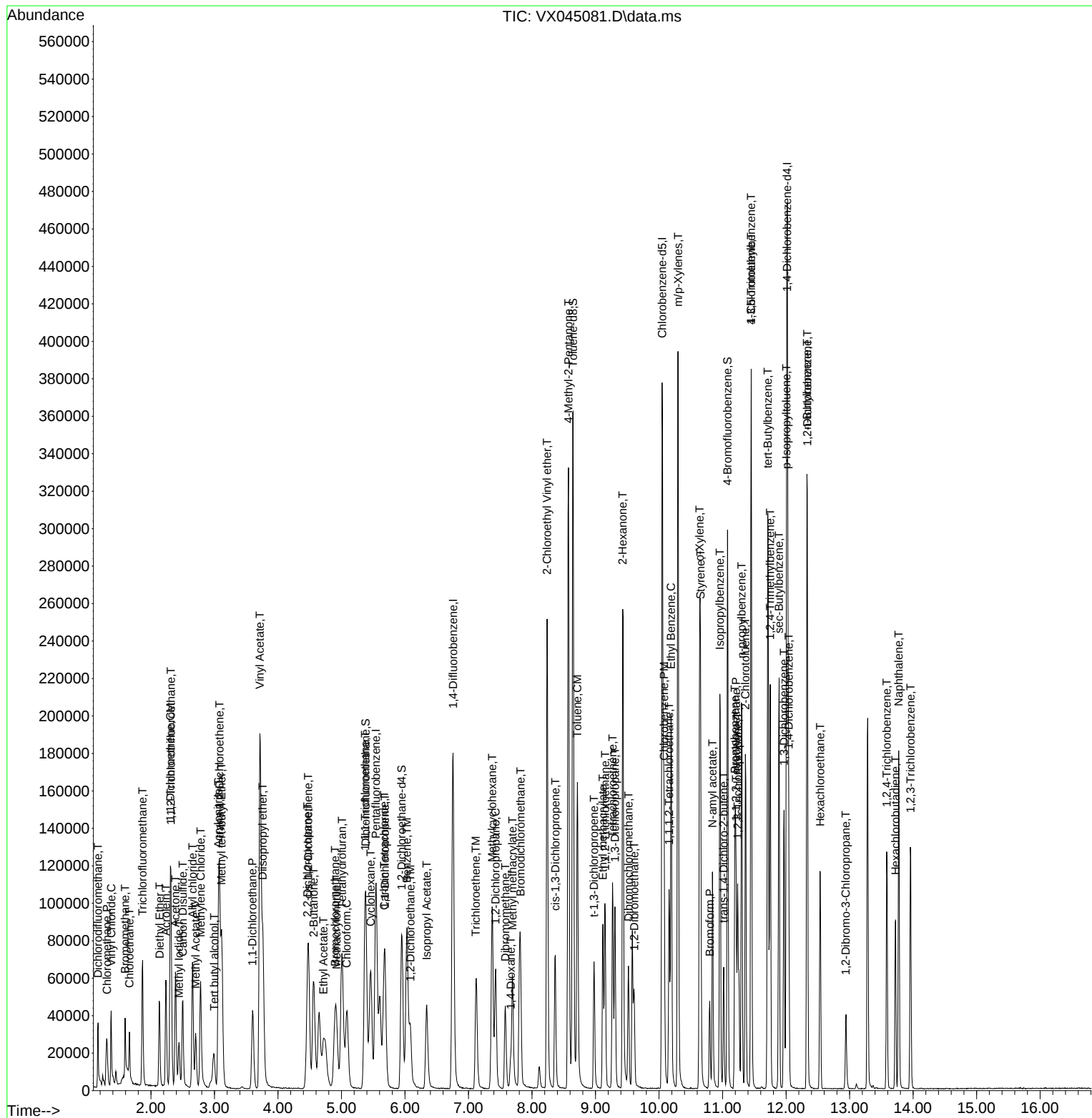
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|----------|------|------|----------|------|-------|----------|
|----------|------|------|----------|------|-------|----------|

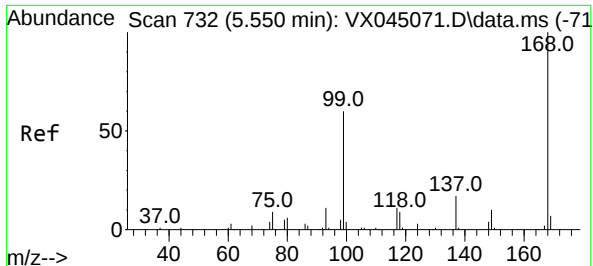
(#) = qualifier out of range (m) = manual integration (+) = signals summed

**Instrument :**  
MSVOA\_X  
**ClientSampleId :**  
VX0228WBSD01

## Manual Integrations

Reviewed By :John Carlone 02/28/2025  
Supervised By :Mahesh Dadoda 03/03/2025





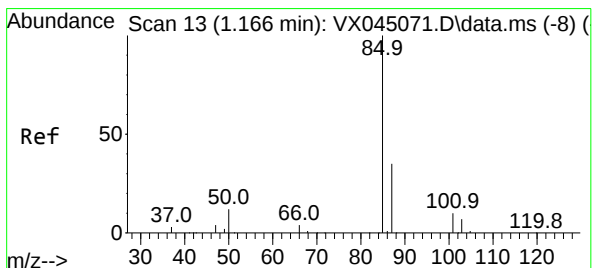
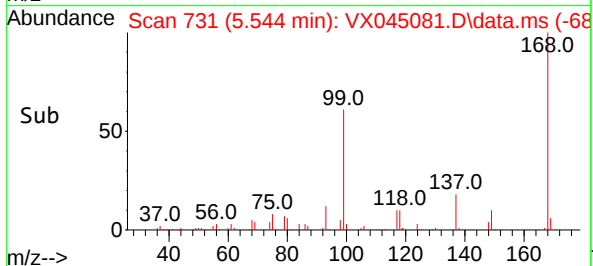
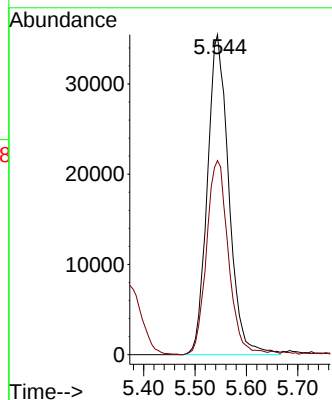
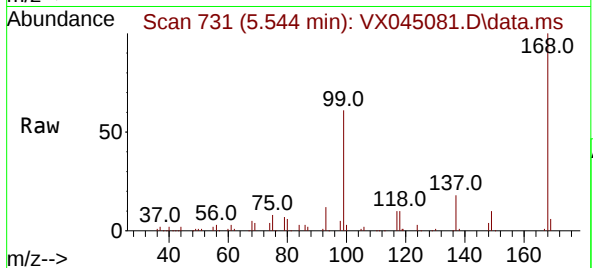
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Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 5.544 min Scan# 731  
Delta R.T. -0.006 min  
Lab File: VX045081.D  
Acq: 28 Feb 2025 12:13

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0228WBSD01

Tgt Ion:168 Resp: 102670  
Ion Ratio Lower Upper  
168 100  
99 60.6 48.2 72.4

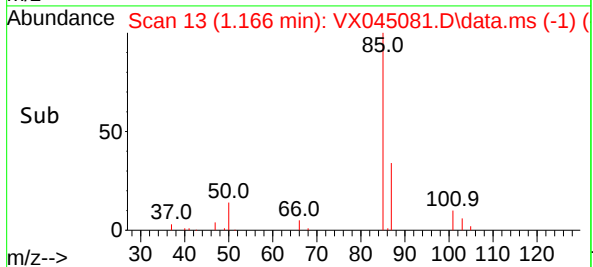
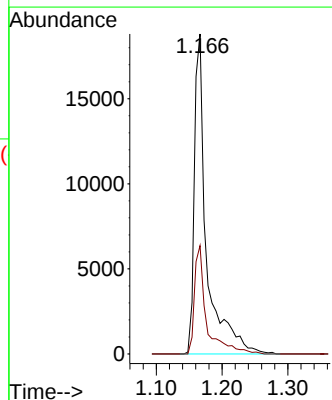
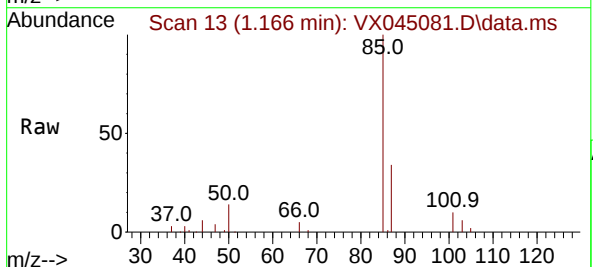
Manual Integrations  
APPROVED

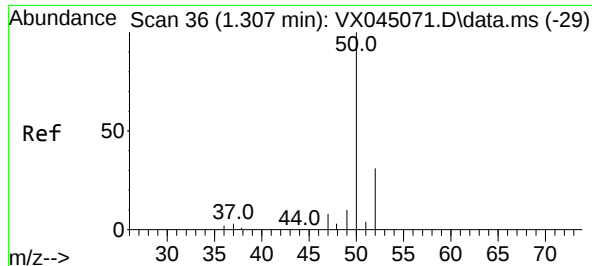
Reviewed By :John Carlone 02/28/2025  
Supervised By :Mahesh Dadoda 03/03/2025



#2  
Dichlorodifluoromethane  
Concen: 18.898 ug/l  
RT: 1.166 min Scan# 13  
Delta R.T. -0.000 min  
Lab File: VX045081.D  
Acq: 28 Feb 2025 12:13

Tgt Ion: 85 Resp: 24425  
Ion Ratio Lower Upper  
85 100  
87 33.9 17.4 52.3





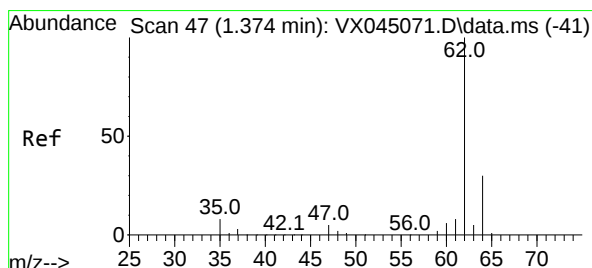
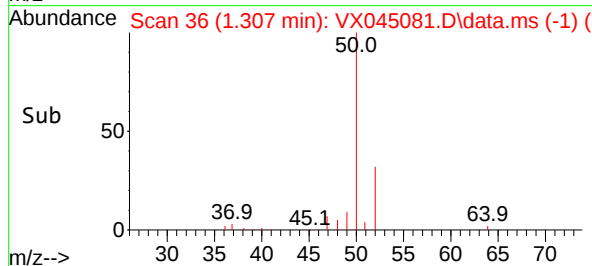
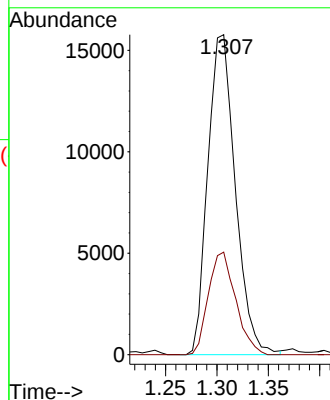
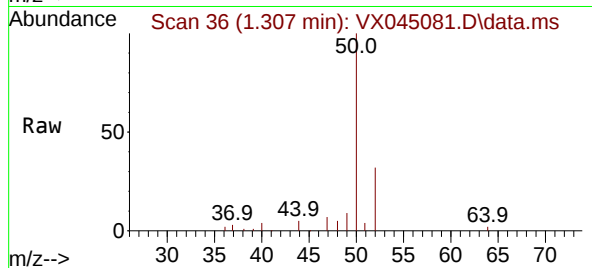
#3  
Chloromethane  
Concen: 18.616 ug/l  
RT: 1.307 min Scan# 30  
Delta R.T. -0.000 min  
Lab File: VX045081.D  
Acq: 28 Feb 2025 12:13

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0228WBSD01

Tgt Ion: 50 Resp: 2944  
Ion Ratio Lower Upper  
50 100  
52 32.0 25.0 37.4

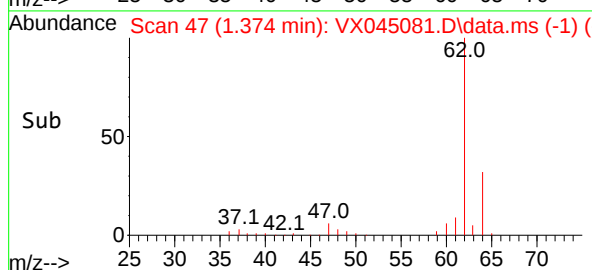
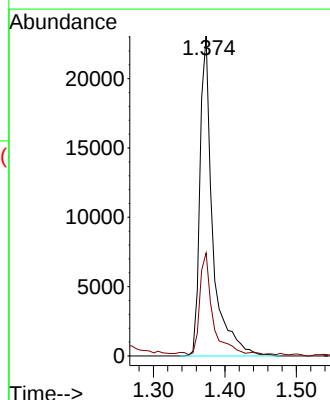
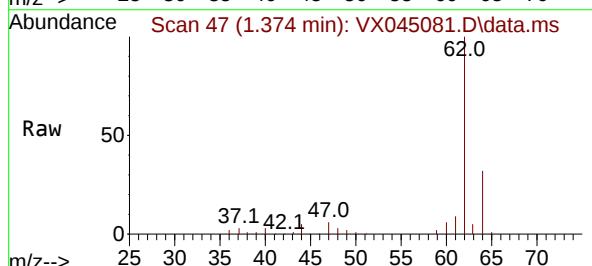
Manual Integrations  
APPROVED

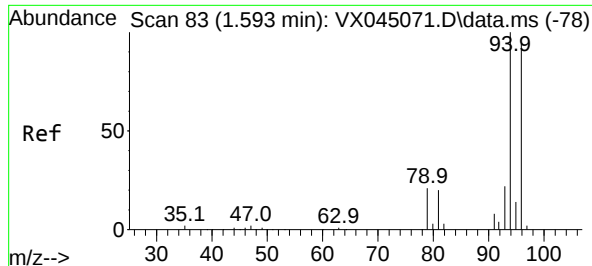
Reviewed By :John Carlone 02/28/2025  
Supervised By :Mahesh Dadoda 03/03/2025



#4  
Vinyl Chloride  
Concen: 18.132 ug/l  
RT: 1.374 min Scan# 47  
Delta R.T. -0.000 min  
Lab File: VX045081.D  
Acq: 28 Feb 2025 12:13

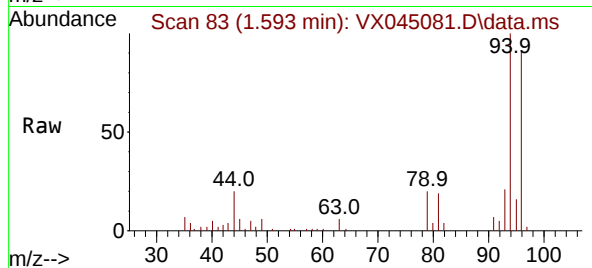
Tgt Ion: 62 Resp: 28450  
Ion Ratio Lower Upper  
62 100  
64 31.4 24.3 36.5





#5  
Bromomethane  
Concen: 18.670 ug/l  
RT: 1.593 min Scan# 81  
Delta R.T. -0.000 min  
Lab File: VX045081.D  
Acq: 28 Feb 2025 12:13

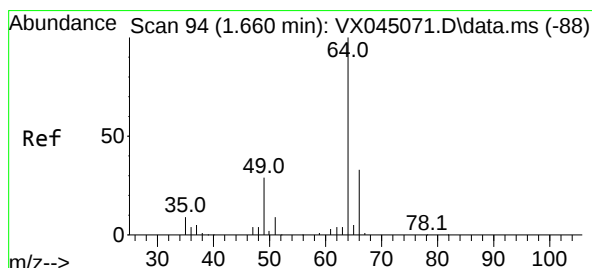
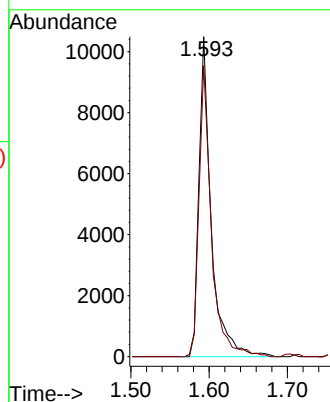
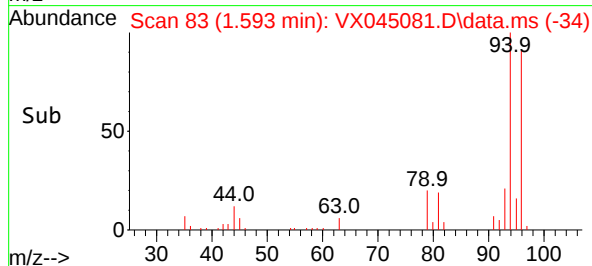
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0228WBSD01



Tgt Ion: 94 Resp: 11510  
Ion Ratio Lower Upper  
94 100  
96 91.0 75.0 112.4

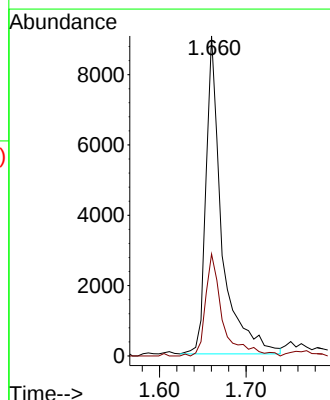
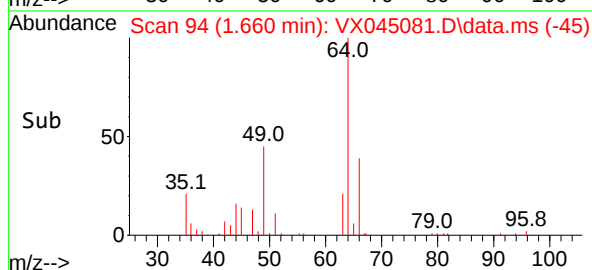
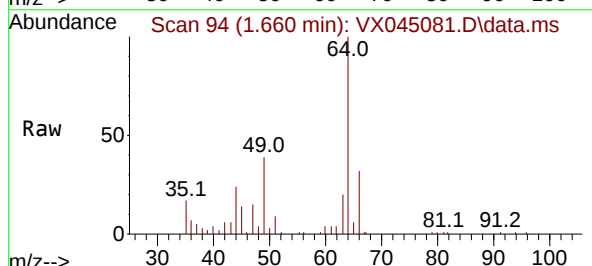
Manual Integrations  
APPROVED

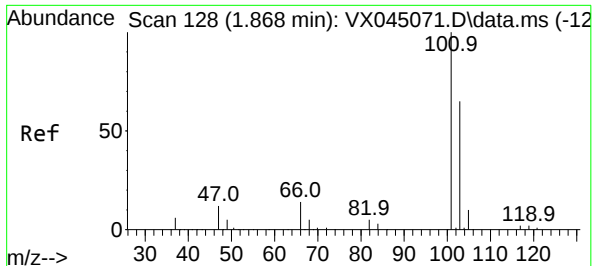
Reviewed By :John Carlone 02/28/2025  
Supervised By :Mahesh Dadoda 03/03/2025



#6  
Chloroethane  
Concen: 15.973 ug/l  
RT: 1.660 min Scan# 94  
Delta R.T. -0.000 min  
Lab File: VX045081.D  
Acq: 28 Feb 2025 12:13

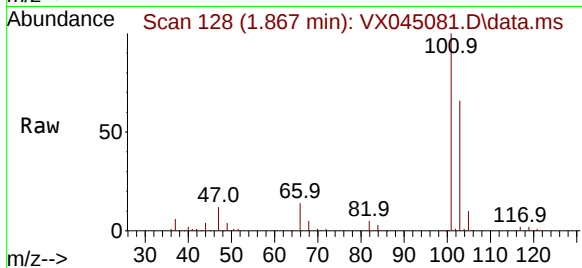
Tgt Ion: 64 Resp: 11560  
Ion Ratio Lower Upper  
64 100  
66 32.1 26.7 40.1





#7  
Trichlorofluoromethane  
Concen: 19.120 ug/l  
RT: 1.867 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VX045081.D  
Acq: 28 Feb 2025 12:13

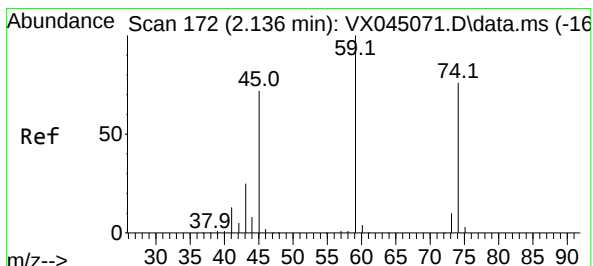
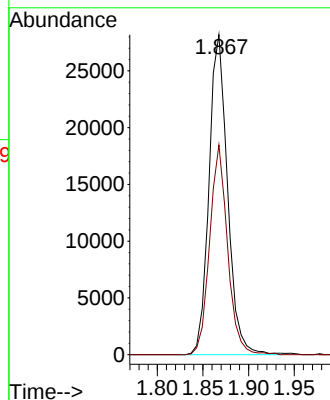
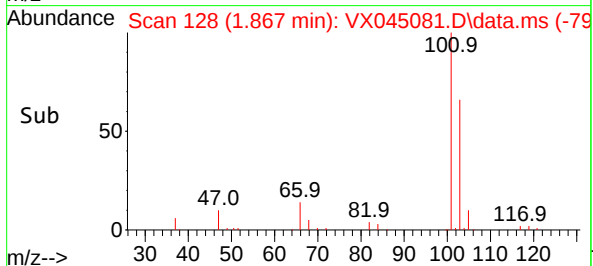
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0228WBSD01



Tgt Ion:101 Resp: 3971  
Ion Ratio Lower Upper  
101 100  
103 65.6 52.1 78.1

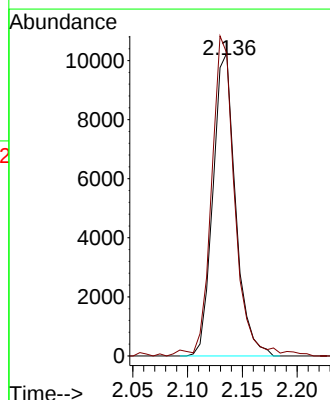
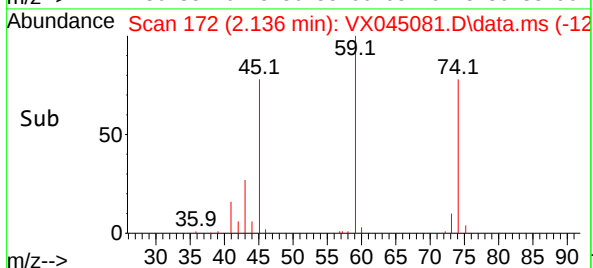
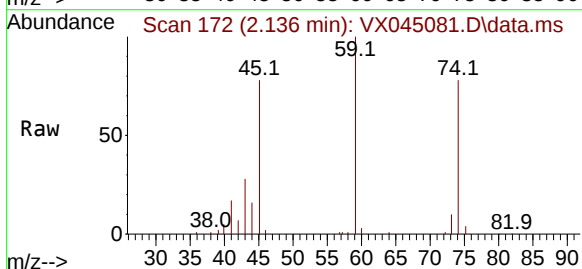
Manual Integrations  
APPROVED

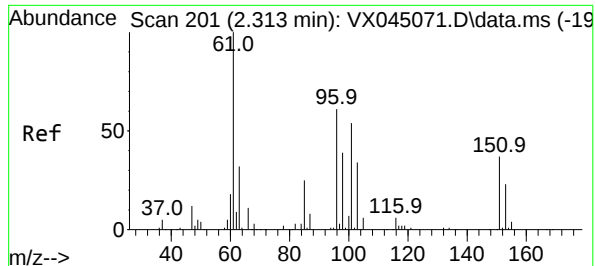
Reviewed By :John Carlone 02/28/2025  
Supervised By :Mahesh Dadoda 03/03/2025



#8  
Diethyl Ether  
Concen: 18.070 ug/l  
RT: 2.136 min Scan# 172  
Delta R.T. -0.000 min  
Lab File: VX045081.D  
Acq: 28 Feb 2025 12:13

Tgt Ion: 74 Resp: 14681  
Ion Ratio Lower Upper  
74 100  
45 109.2 51.5 154.5





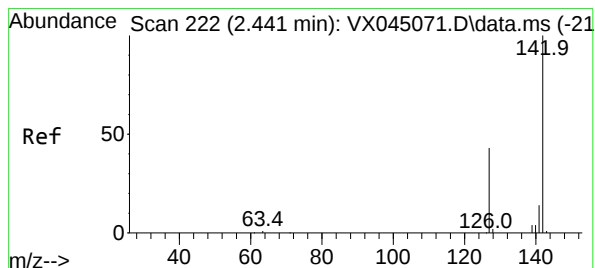
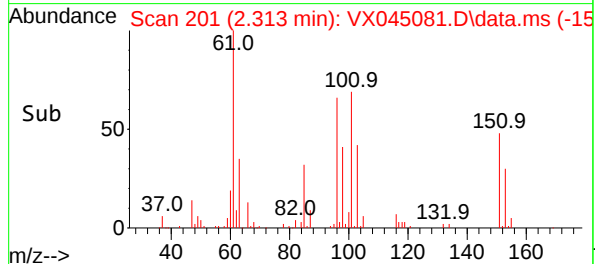
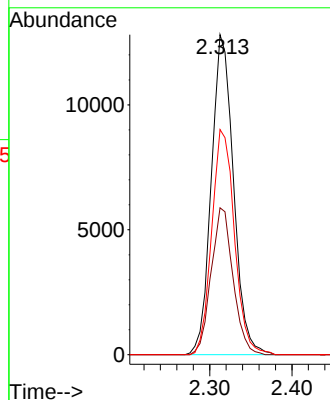
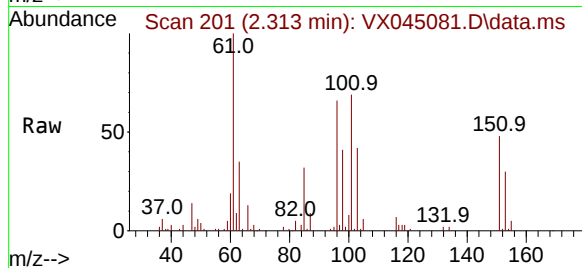
#9  
1,1,2-Trichlorotrifluoroethane  
Concen: 20.111 ug/l  
RT: 2.313 min Scan# 201  
Delta R.T. -0.000 min  
Lab File: VX045081.D  
Acq: 28 Feb 2025 12:13

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0228WBSD01

Tgt Ion:101 Resp: 24000  
Ion Ratio Lower Upper  
101 100  
85 45.4 36.2 54.4  
151 72.1 56.4 84.6

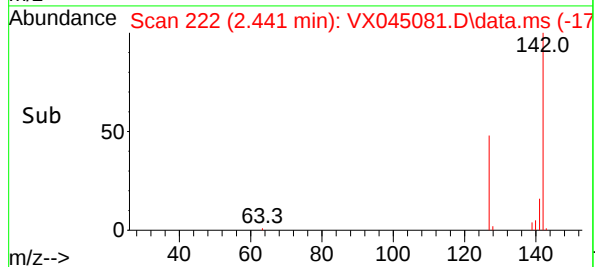
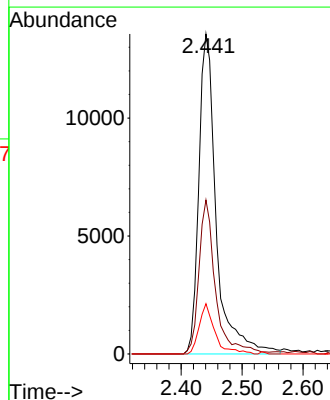
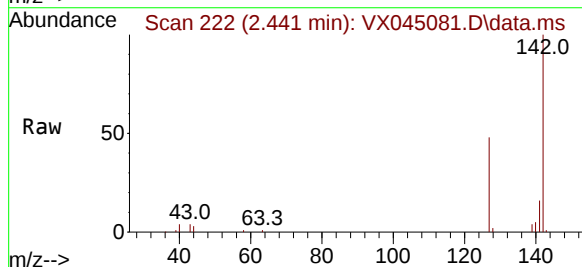
Manual Integrations  
APPROVED

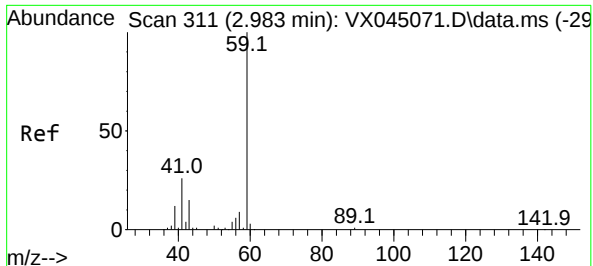
Reviewed By :John Carlone 02/28/2025  
Supervised By :Mahesh Dadoda 03/03/2025



#10  
Methyl Iodide  
Concen: 18.071 ug/l  
RT: 2.441 min Scan# 222  
Delta R.T. -0.000 min  
Lab File: VX045081.D  
Acq: 28 Feb 2025 12:13

Tgt Ion:142 Resp: 26949  
Ion Ratio Lower Upper  
142 100  
127 45.7 35.4 53.2  
141 14.2 11.6 17.4





#11

Tert butyl alcohol

Concen: 84.802 ug/l

RT: 2.995 min Scan# 311

Delta R.T. 0.012 min

Lab File: VX045081.D

Acq: 28 Feb 2025 12:13

Instrument :

MSVOA\_X

ClientSampleId :

VX0228WBSD01

Tgt Ion: 59 Resp: 26234

Ion Ratio Lower Upper

59 100

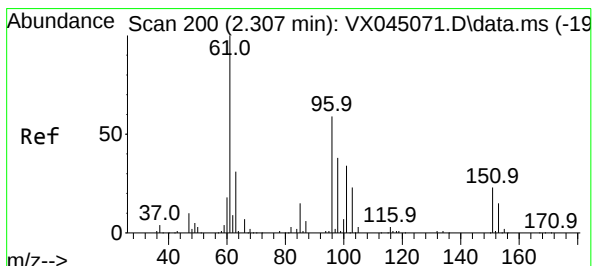
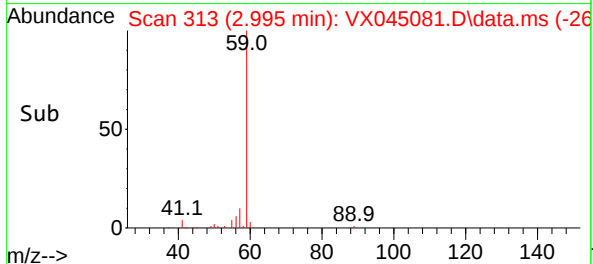
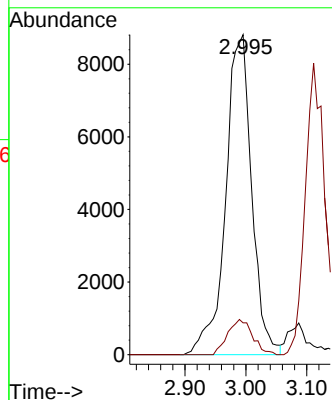
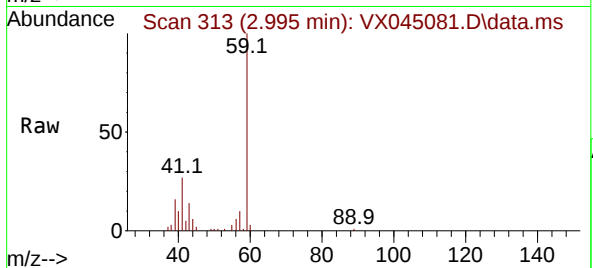
57 10.5 7.8 11.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 03/03/2025



#12

1,1-Dichloroethene

Concen: 18.164 ug/l

RT: 2.306 min Scan# 200

Delta R.T. -0.000 min

Lab File: VX045081.D

Acq: 28 Feb 2025 12:13

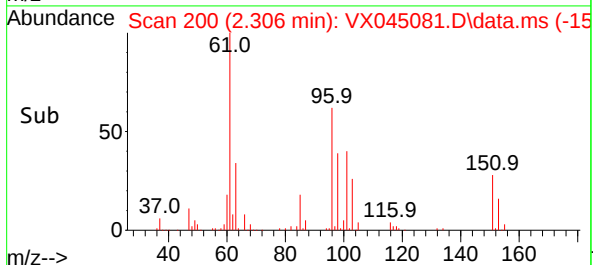
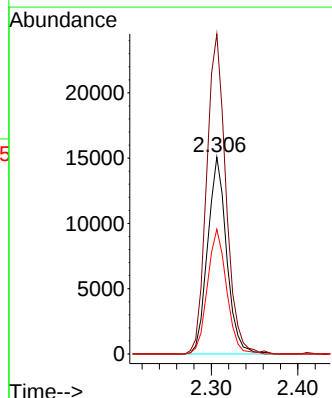
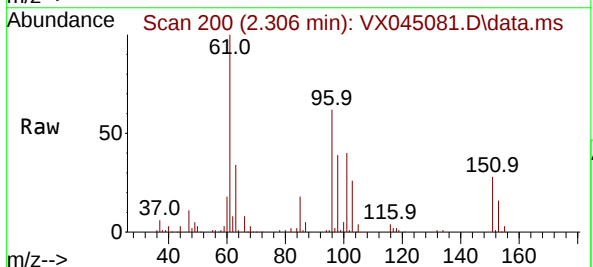
Tgt Ion: 96 Resp: 22917

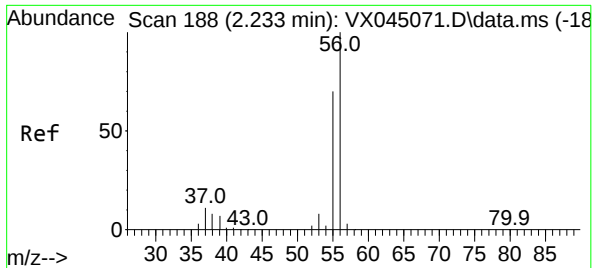
Ion Ratio Lower Upper

96 100

61 162.5 134.6 202.0

98 63.4 51.0 76.6





#13

Acrolein

Concen: 120.129 ug/l

RT: 2.233 min Scan# 188

Delta R.T. -0.000 min

Lab File: VX045081.D

Acq: 28 Feb 2025 12:13

Instrument :

MSVOA\_X

ClientSampleId :

VX0228WBSD01

Tgt Ion: 56 Resp: 42958

Ion Ratio Lower Upper

56 100

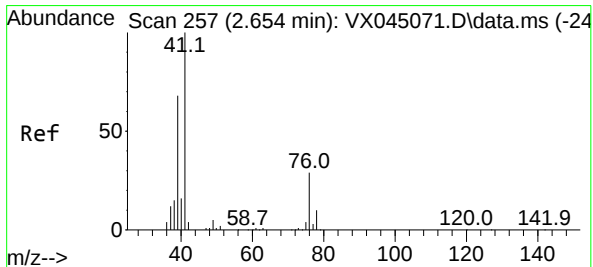
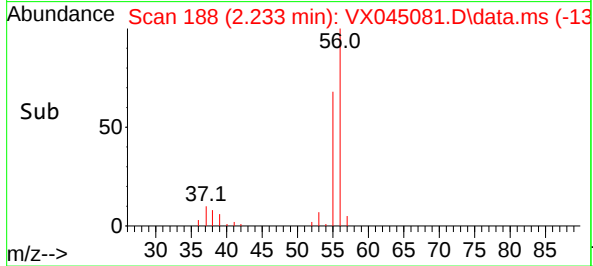
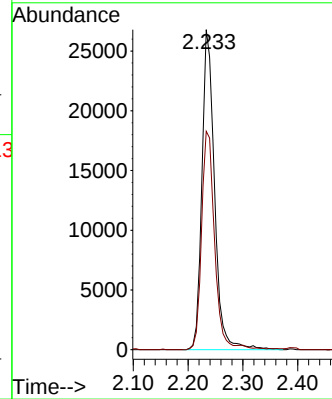
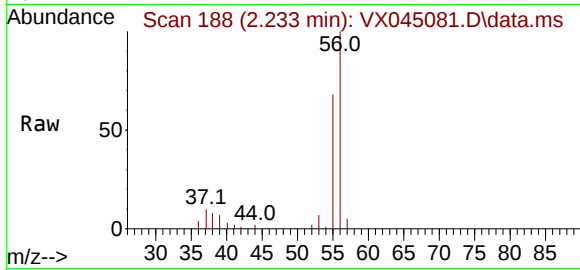
55 70.9 56.2 84.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 03/03/2025



#14

Allyl chloride

Concen: 19.758 ug/l

RT: 2.654 min Scan# 257

Delta R.T. -0.000 min

Lab File: VX045081.D

Acq: 28 Feb 2025 12:13

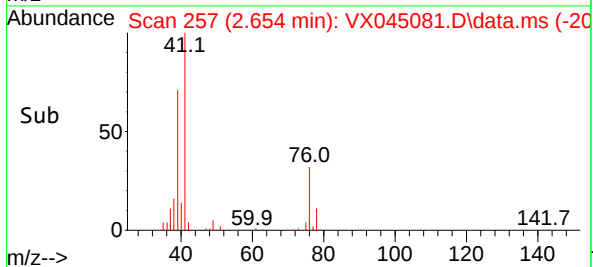
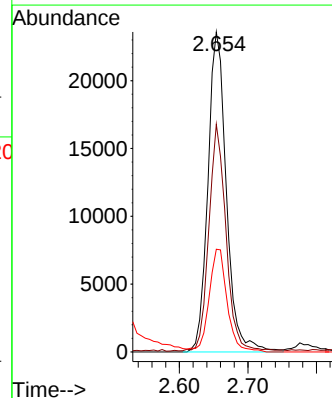
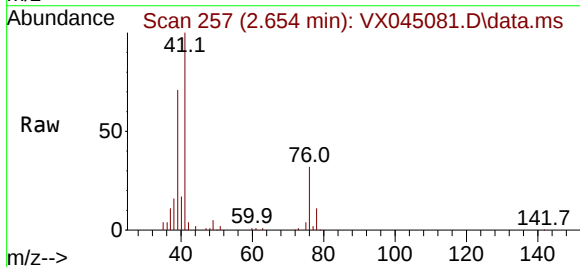
Tgt Ion: 41 Resp: 44373

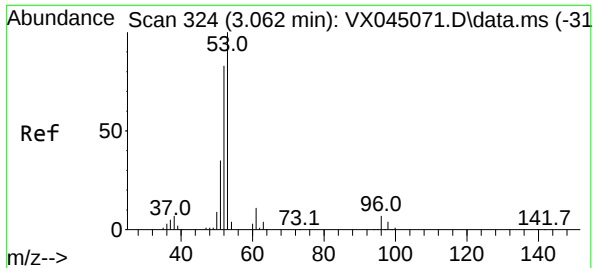
Ion Ratio Lower Upper

41 100

39 65.6 53.8 80.8

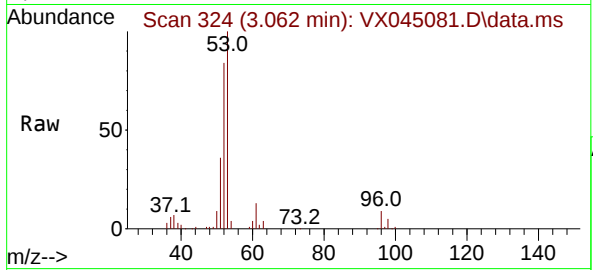
76 31.4 25.2 37.8





#15  
Acrylonitrile  
Concen: 93.945 ug/l  
RT: 3.062 min Scan# 31  
Delta R.T. -0.000 min  
Lab File: VX045081.D  
Acq: 28 Feb 2025 12:13

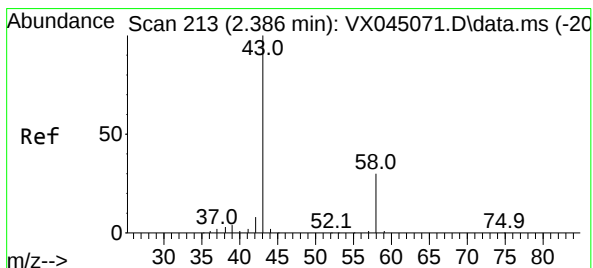
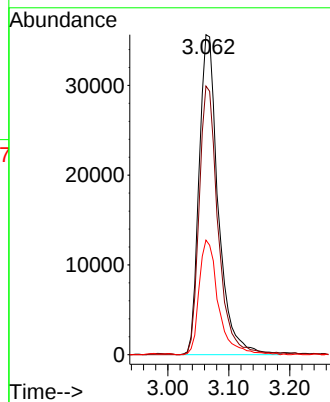
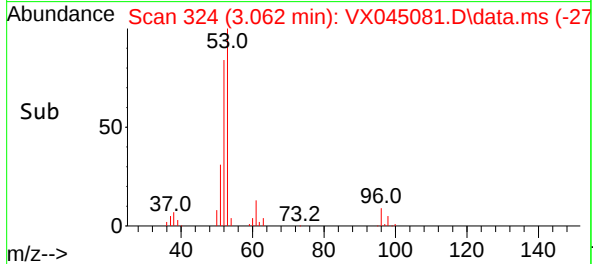
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0228WBSD01



Tgt Ion: 53 Resp: 7789  
Ion Ratio Lower Upper  
53 100  
52 83.0 66.2 99.2  
51 36.1 29.0 43.4

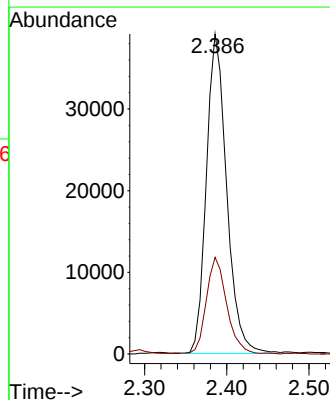
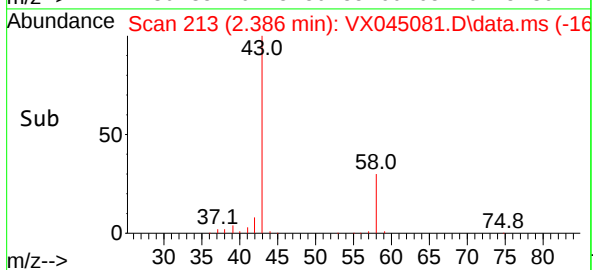
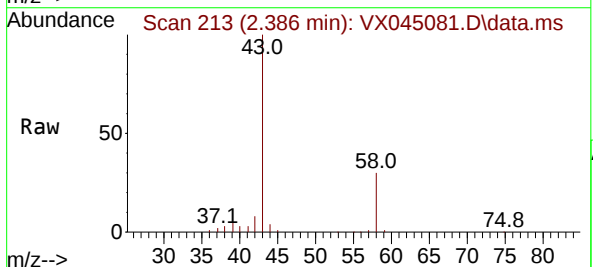
Manual Integrations  
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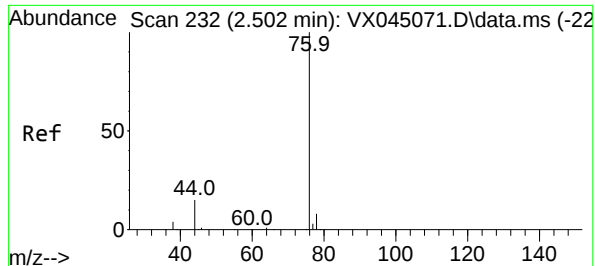
Reviewed By :John Carlone 02/28/2025  
Supervised By :Mahesh Dadoda 03/03/2025



#16  
Acetone  
Concen: 88.572 ug/l  
RT: 2.386 min Scan# 213  
Delta R.T. -0.000 min  
Lab File: VX045081.D  
Acq: 28 Feb 2025 12:13

Tgt Ion: 43 Resp: 67116  
Ion Ratio Lower Upper  
43 100  
58 30.2 24.2 36.4





#17

Carbon Disulfide

Concen: 17.924 ug/l

RT: 2.501 min Scan# 21

Delta R.T. -0.000 min

Lab File: VX045081.D

Acq: 28 Feb 2025 12:13

Instrument :

MSVOA\_X

ClientSampleId :

VX0228WBSD01

Tgt Ion: 76 Resp: 6023

Ion Ratio Lower Upper

76 100

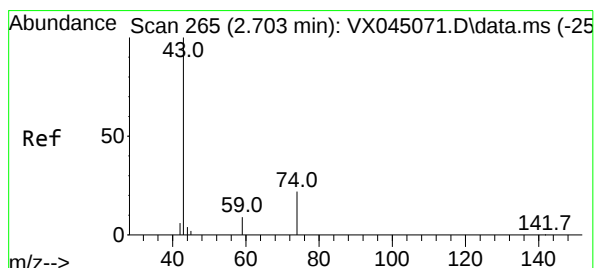
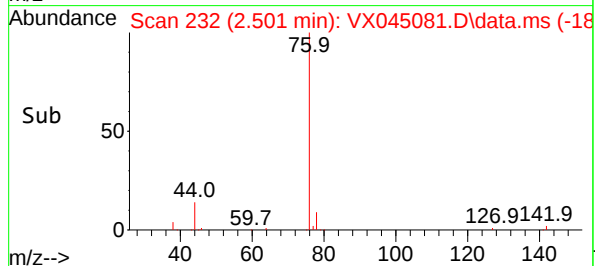
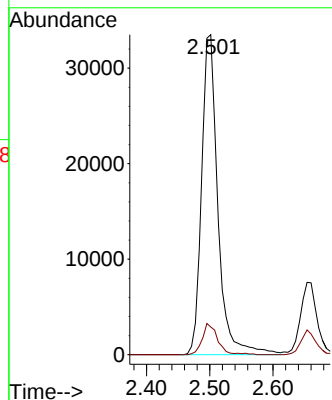
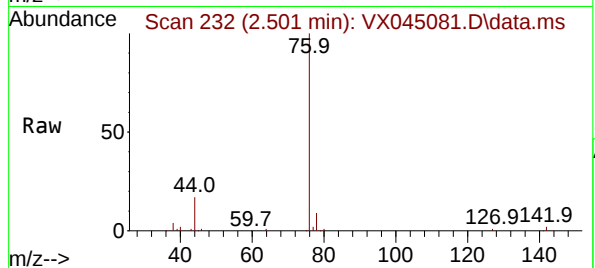
78 8.7 6.6 9.8

Manual Integrations

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Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 03/03/2025



#18

Methyl Acetate

Concen: 18.499 ug/l

RT: 2.703 min Scan# 265

Delta R.T. -0.000 min

Lab File: VX045081.D

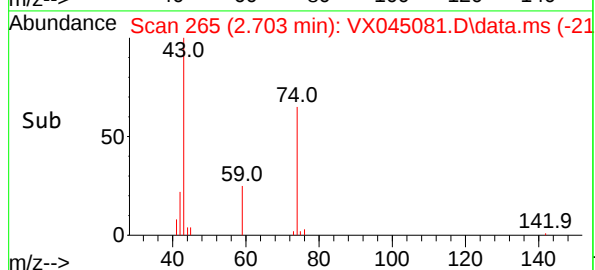
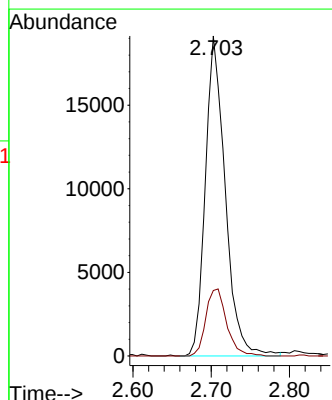
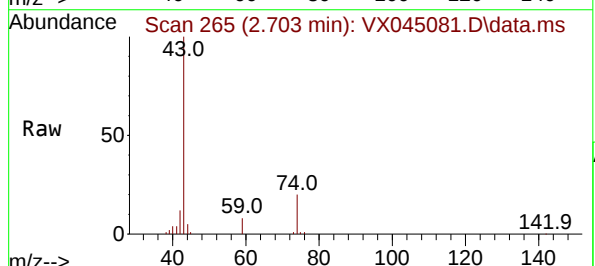
Acq: 28 Feb 2025 12:13

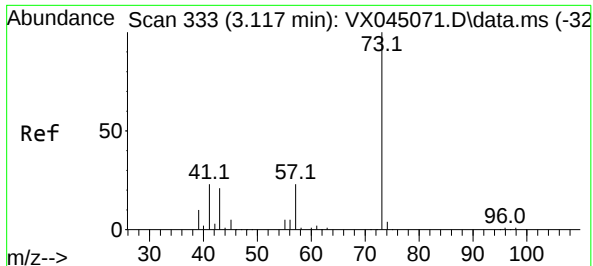
Tgt Ion: 43 Resp: 33723

Ion Ratio Lower Upper

43 100

74 21.9 17.4 26.2





#19

Methyl tert-butyl Ether

Concen: 18.573 ug/l

RT: 3.111 min Scan# 31

Delta R.T. -0.006 min

Lab File: VX045081.D

Acq: 28 Feb 2025 12:13

Instrument :

MSVOA\_X

ClientSampleId :

VX0228WBSD01

Tgt Ion: 73 Resp: 7861

Ion Ratio Lower Upper

73 100

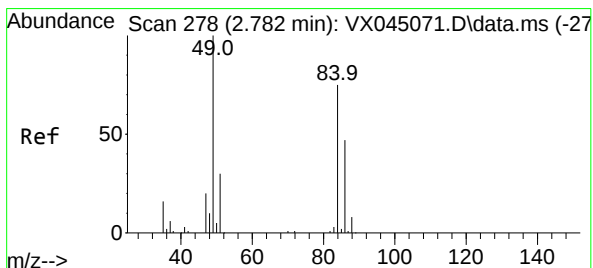
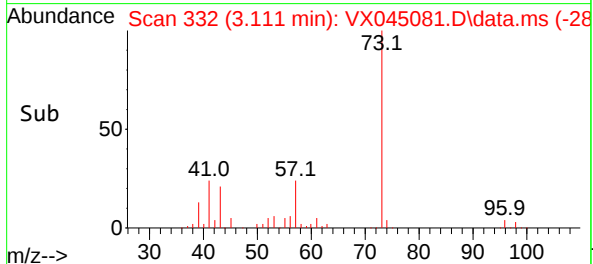
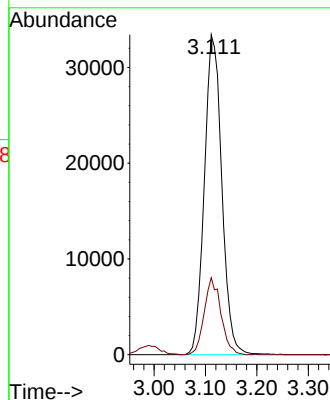
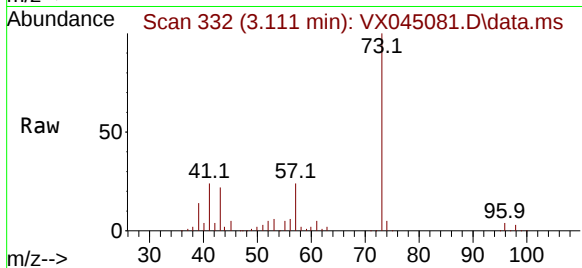
57 24.0 18.5 27.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 03/03/2025



#20

Methylene Chloride

Concen: 17.888 ug/l

RT: 2.782 min Scan# 278

Delta R.T. -0.000 min

Lab File: VX045081.D

Acq: 28 Feb 2025 12:13

Tgt Ion: 84 Resp: 26850

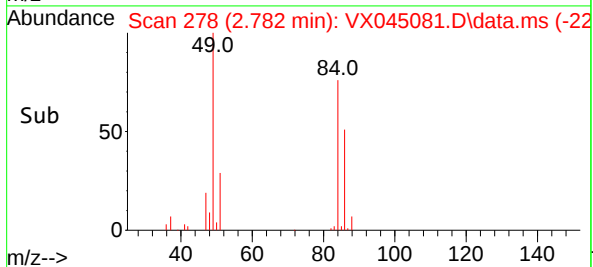
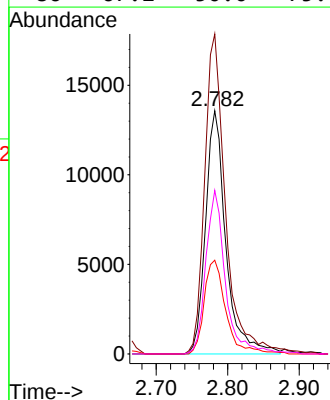
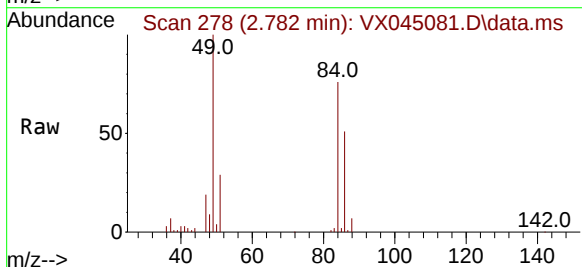
Ion Ratio Lower Upper

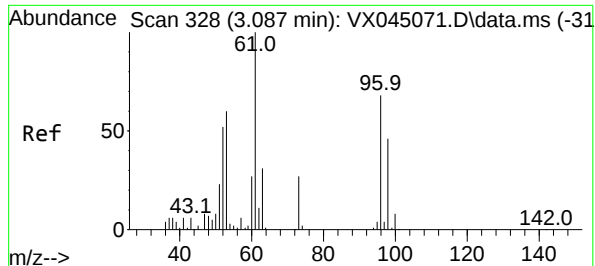
84 100

49 131.5 106.5 159.7

51 38.6 32.1 48.1

86 67.2 50.0 75.0





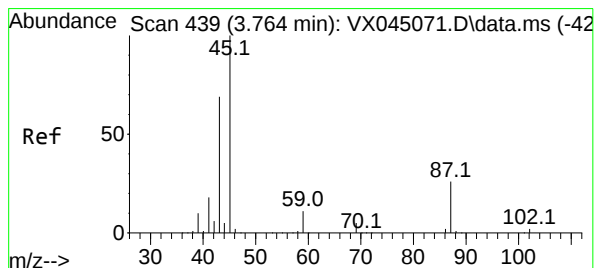
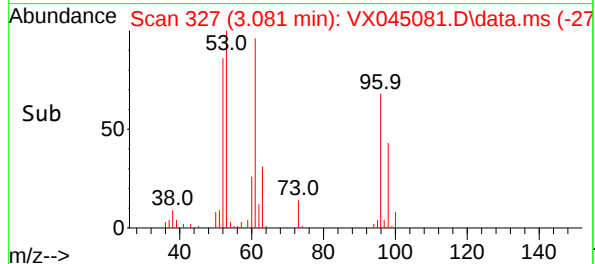
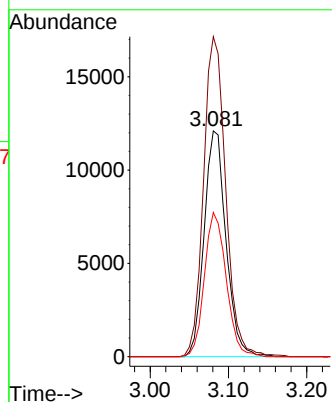
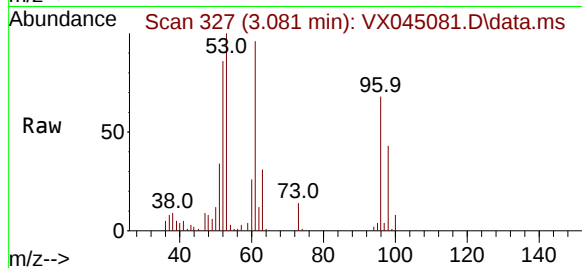
#21  
trans-1,2-Dichloroethene  
Concen: 18.844 ug/l  
RT: 3.081 min Scan# 31  
Delta R.T. -0.006 min  
Lab File: VX045081.D  
Acq: 28 Feb 2025 12:13

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0228WBSD01

Tgt Ion: 96 Resp: 2348  
Ion Ratio Lower Upper  
96 100  
61 141.7 117.0 175.4  
98 63.9 53.4 80.2

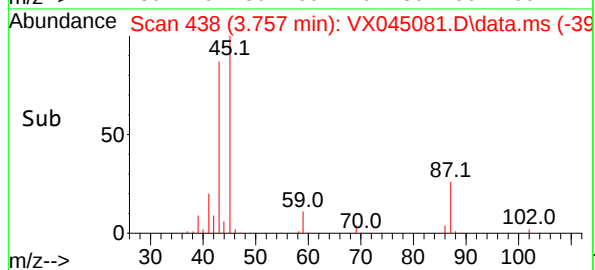
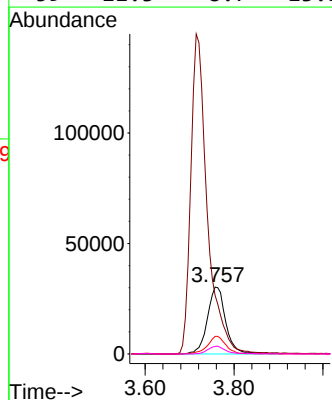
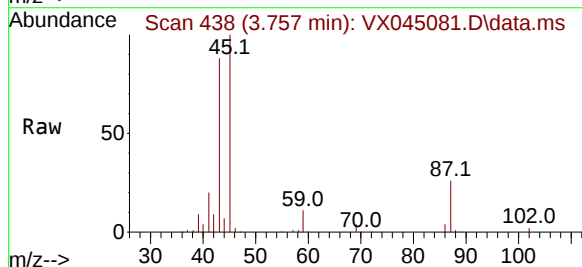
Manual Integrations  
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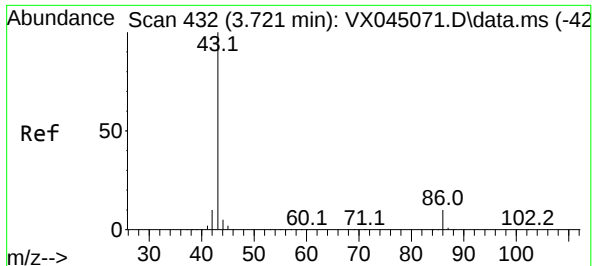
Reviewed By :John Carlone 02/28/2025  
Supervised By :Mahesh Dadoda 03/03/2025



#22  
Diisopropyl ether  
Concen: 19.058 ug/l  
RT: 3.757 min Scan# 438  
Delta R.T. -0.006 min  
Lab File: VX045081.D  
Acq: 28 Feb 2025 12:13

Tgt Ion: 45 Resp: 87045  
Ion Ratio Lower Upper  
45 100  
43 86.6 54.9 82.3#  
87 26.3 21.0 31.4  
59 11.3 8.7 13.1





#23

Vinyl Acetate

Concen: 98.261 ug/l

RT: 3.715 min Scan# 411

Delta R.T. -0.006 min

Lab File: VX045081.D

Acq: 28 Feb 2025 12:13

Instrument :

MSVOA\_X

ClientSampleId :

VX0228WBSD01

Tgt Ion: 43 Resp: 37453

Ion Ratio Lower Upper

43

100

86

9.9

8.1

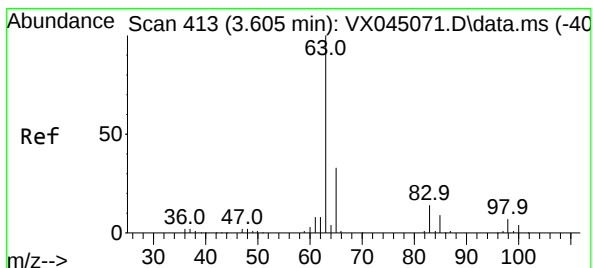
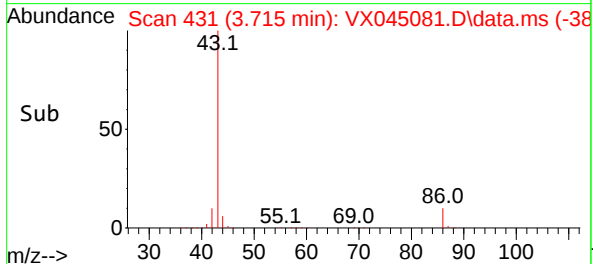
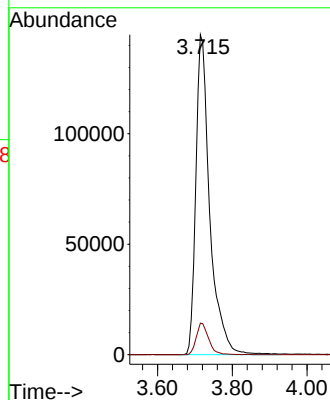
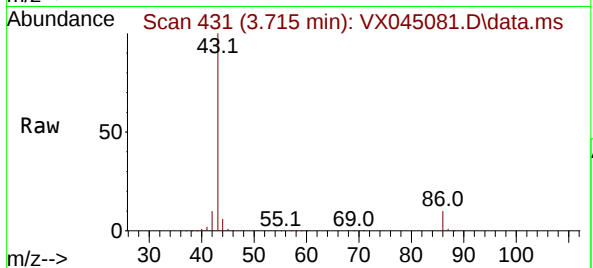
12.1

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Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 03/03/2025



#24

1,1-Dichloroethane

Concen: 18.033 ug/l

RT: 3.599 min Scan# 412

Delta R.T. -0.006 min

Lab File: VX045081.D

Acq: 28 Feb 2025 12:13

Tgt Ion: 63 Resp: 46160

Ion Ratio Lower Upper

63

100

98

7.7

3.4

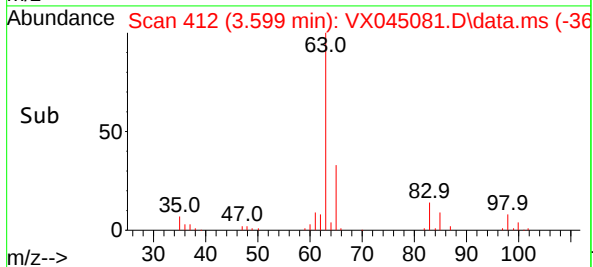
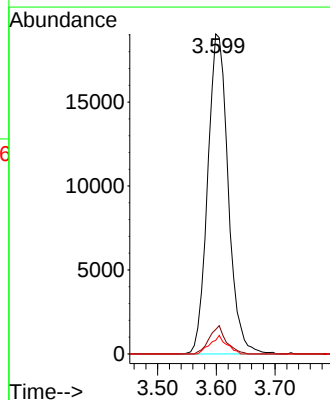
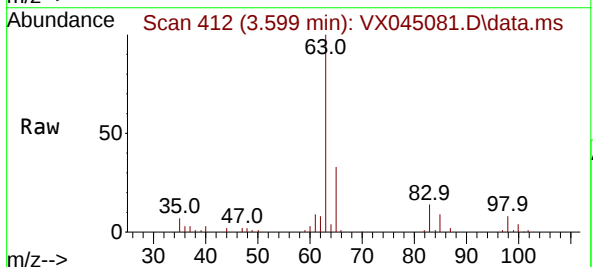
10.2

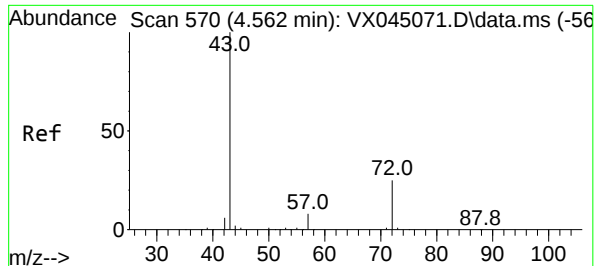
100

4.3

2.1

6.5





#25

2-Butanone

Concen: 95.917 ug/l

RT: 4.562 min Scan# 51

Delta R.T. -0.000 min

Lab File: VX045081.D

Acq: 28 Feb 2025 12:13

Instrument :

MSVOA\_X

ClientSampleId :

VX0228WBSD01

Tgt Ion: 43 Resp: 10940

Ion Ratio Lower Upper

43 100

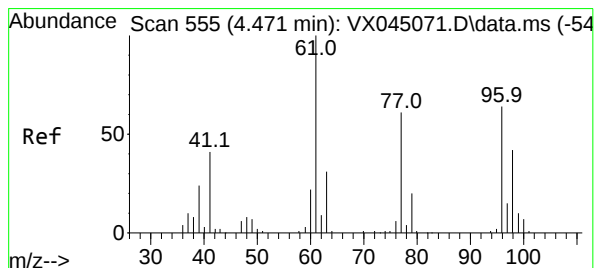
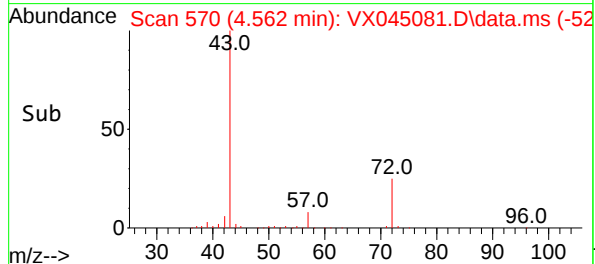
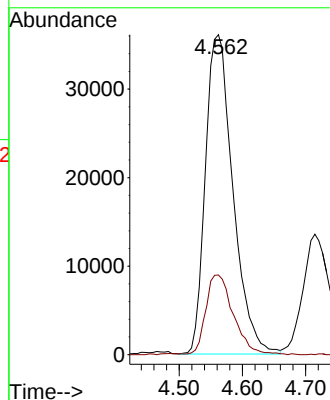
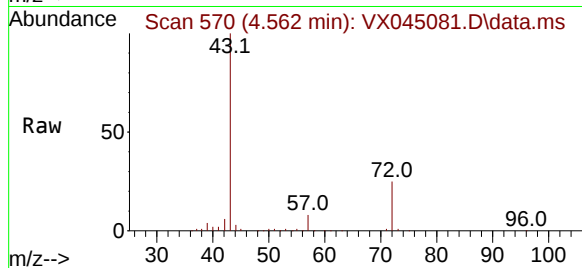
72 24.7 20.0 30.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 03/03/2025



#26

2,2-Dichloropropane

Concen: 26.759 ug/l

RT: 4.465 min Scan# 554

Delta R.T. -0.006 min

Lab File: VX045081.D

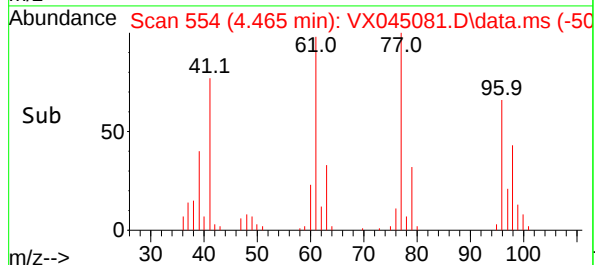
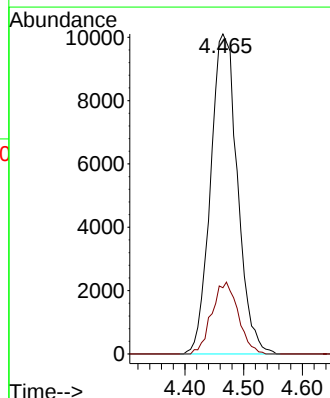
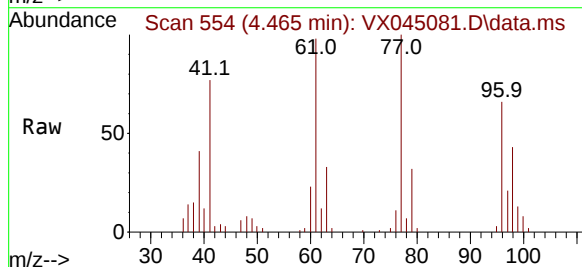
Acq: 28 Feb 2025 12:13

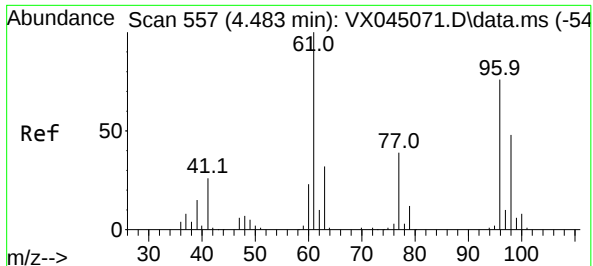
Tgt Ion: 77 Resp: 32128

Ion Ratio Lower Upper

77 100

97 22.0 12.4 37.0





#27

cis-1,2-Dichloroethene

Concen: 18.910 ug/l

RT: 4.477 min Scan# 51

Delta R.T. -0.006 min

Lab File: VX045081.D

Acq: 28 Feb 2025 12:13

Instrument :

MSVOA\_X

ClientSampleId :

VX0228WBSD01

Tgt Ion: 96 Resp: 2909

Ion Ratio Lower Upper

96 100

61 145.7 0.0 283.2

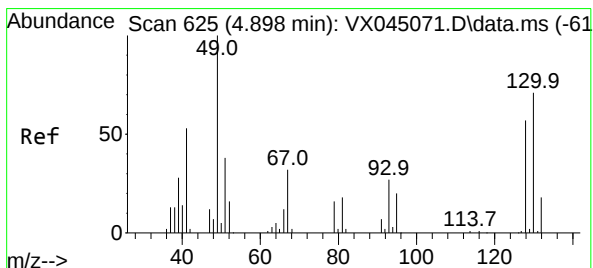
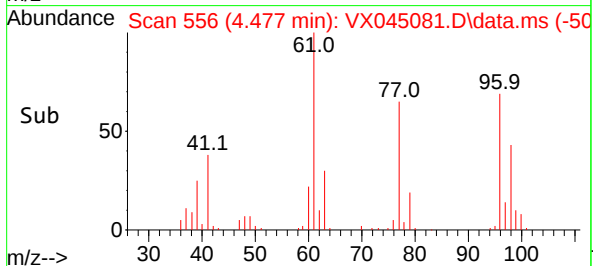
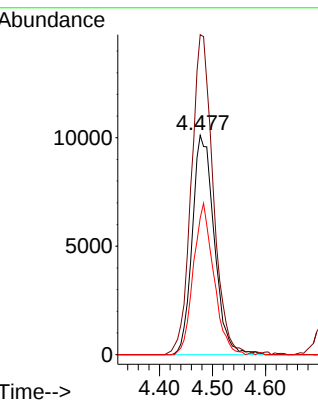
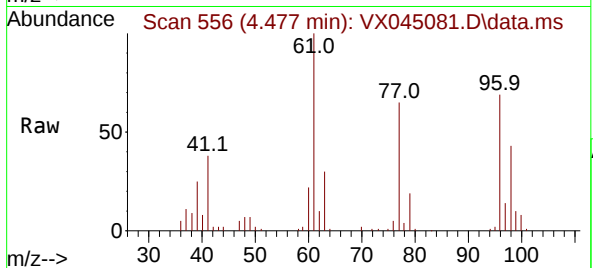
98 63.8 0.0 128.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 03/03/2025



#28

Bromochloromethane

Concen: 18.110 ug/l

RT: 4.897 min Scan# 625

Delta R.T. -0.000 min

Lab File: VX045081.D

Acq: 28 Feb 2025 12:13

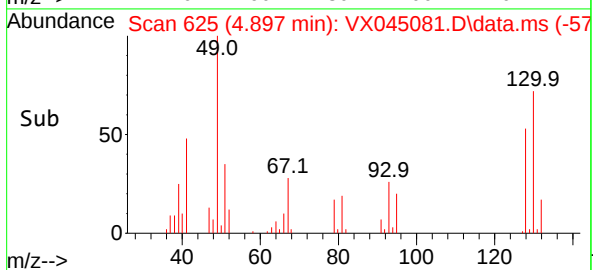
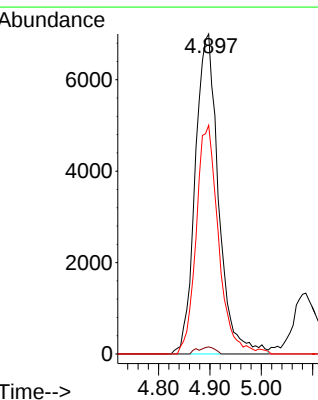
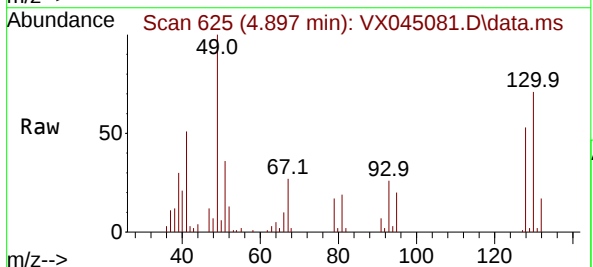
Tgt Ion: 49 Resp: 22096

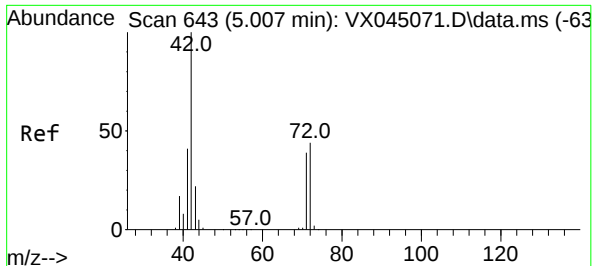
Ion Ratio Lower Upper

49 100

129 1.6 0.0 3.4

130 68.1 56.1 84.1





#29

Tetrahydrofuran

Concen: 93.943 ug/l

RT: 5.007 min Scan# 643

Delta R.T. -0.000 min

Lab File: VX045081.D

Acq: 28 Feb 2025 12:13

Instrument :

MSVOA\_X

ClientSampleId :

VX0228WBSD01

Tgt Ion: 42 Resp: 71959

Ion Ratio Lower Upper

42 100

72 42.5 34.1 51.1

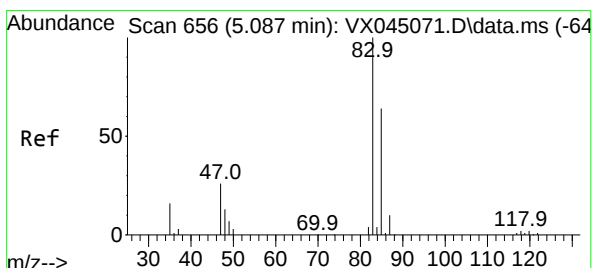
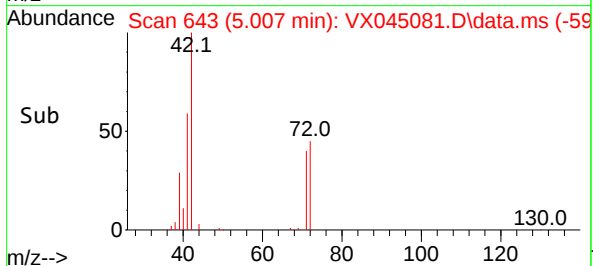
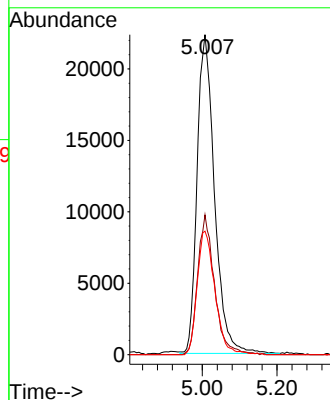
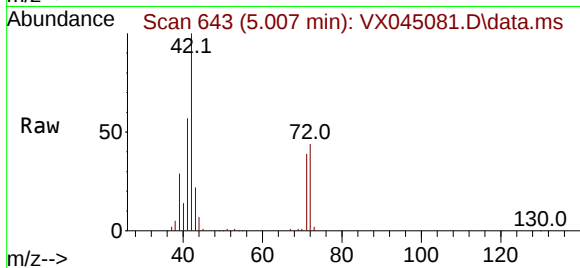
71 39.5 31.4 47.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 03/03/2025



#30

Chloroform

Concen: 18.533 ug/l

RT: 5.080 min Scan# 655

Delta R.T. -0.006 min

Lab File: VX045081.D

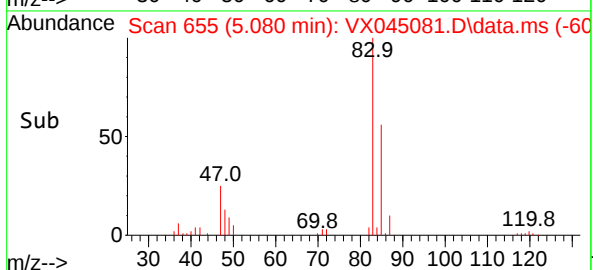
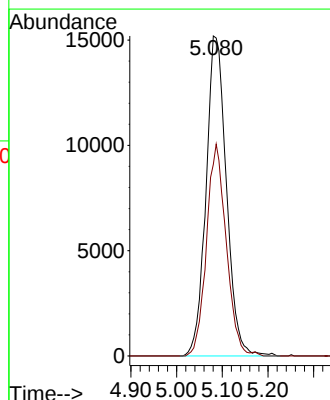
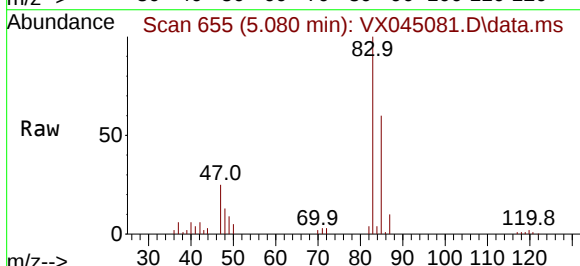
Acq: 28 Feb 2025 12:13

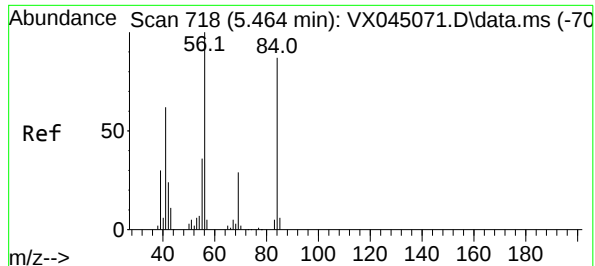
Tgt Ion: 83 Resp: 47136

Ion Ratio Lower Upper

83 100

85 59.8 51.4 77.2





#31

Cyclohexane

Concen: 19.608 ug/l

RT: 5.458 min Scan# 717

Delta R.T. -0.006 min

Lab File: VX045081.D

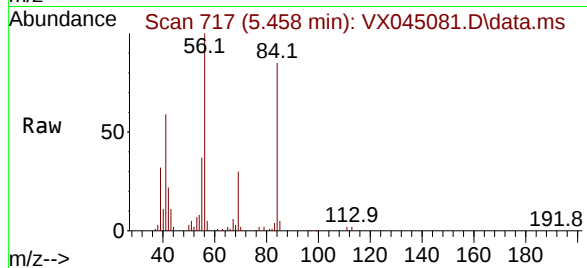
Acq: 28 Feb 2025 12:13

Instrument :

MSVOA\_X

ClientSampleId :

VX0228WBSD01



Tgt Ion: 56 Resp: 4356

Ion Ratio Lower Upper

56 100

69 29.8 23.4 35.2

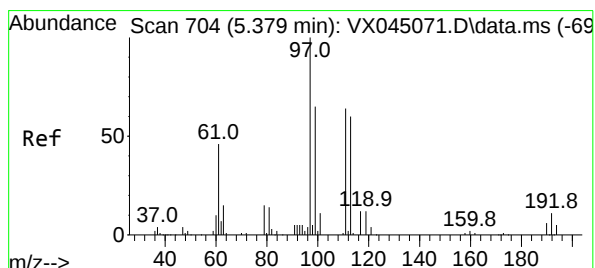
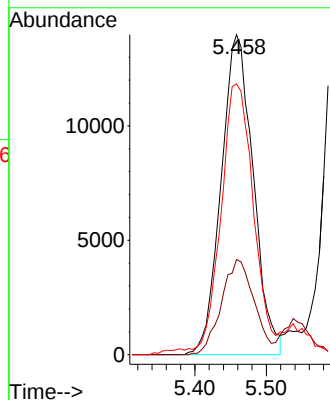
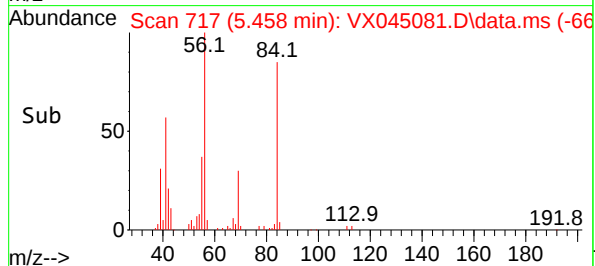
84 82.8 69.4 104.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 03/03/2025



#32

1,1,1-Trichloroethane

Concen: 18.803 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.006 min

Lab File: VX045081.D

Acq: 28 Feb 2025 12:13

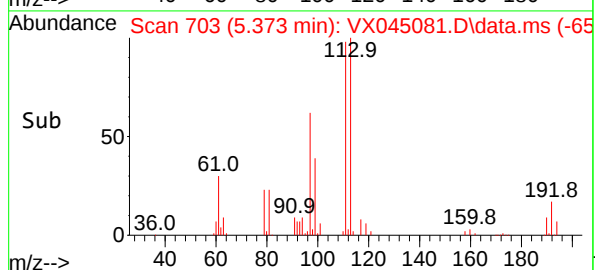
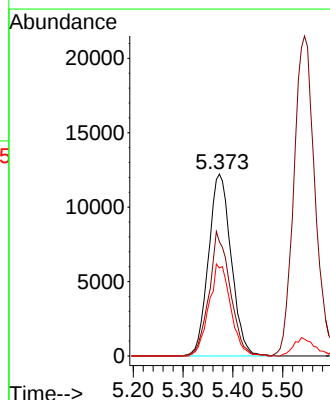
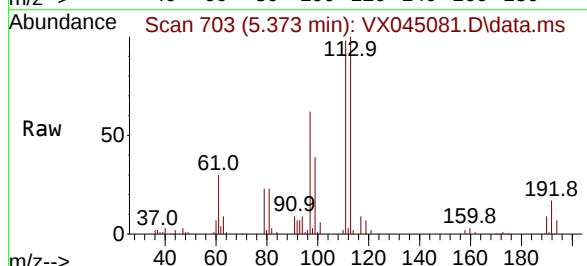
Tgt Ion: 97 Resp: 38625

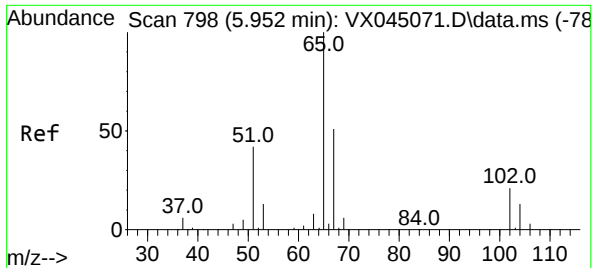
Ion Ratio Lower Upper

97 100

99 63.4 51.6 77.4

61 48.6 38.4 57.6





#33

1,2-Dichloroethane-d4

Concen: 47.992 ug/l

RT: 5.946 min Scan# 798

Delta R.T. -0.006 min

Lab File: VX045081.D

Acq: 28 Feb 2025 12:13

Instrument :

MSVOA\_X

ClientSampleId :

VX0228WBSD01

Tgt Ion: 65 Resp: 7838

Ion Ratio Lower Upper

65 100

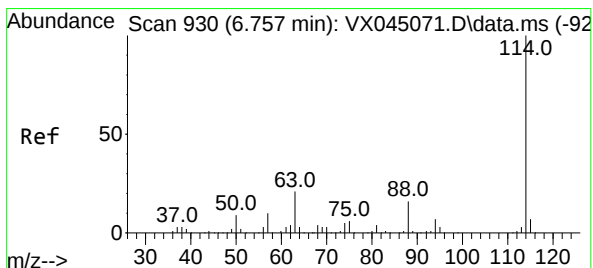
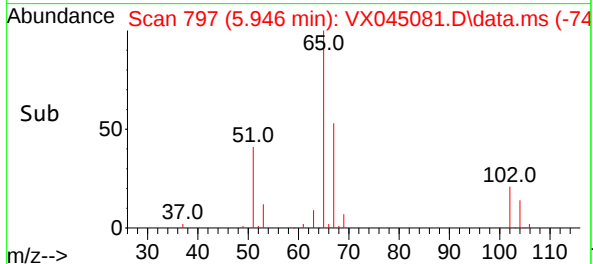
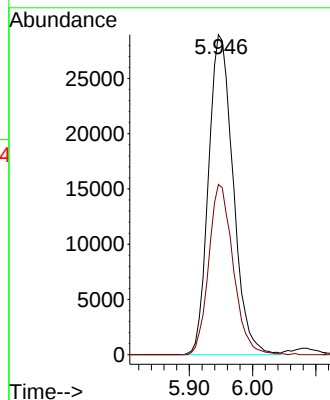
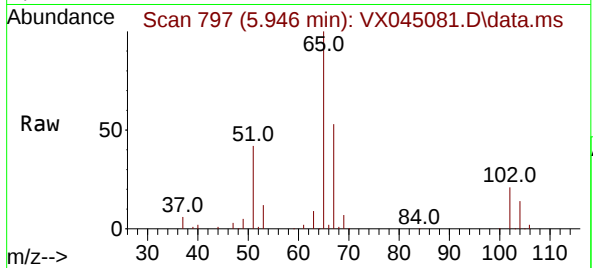
67 52.8 0.0 106.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 03/03/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.757 min Scan# 930

Delta R.T. -0.000 min

Lab File: VX045081.D

Acq: 28 Feb 2025 12:13

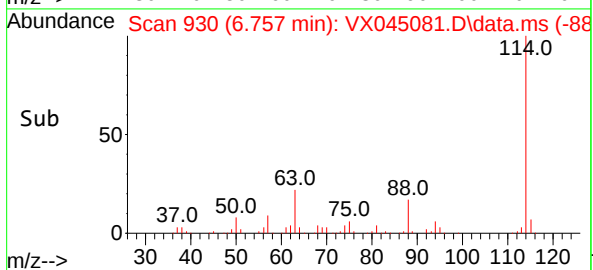
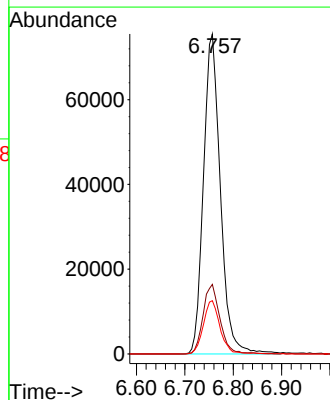
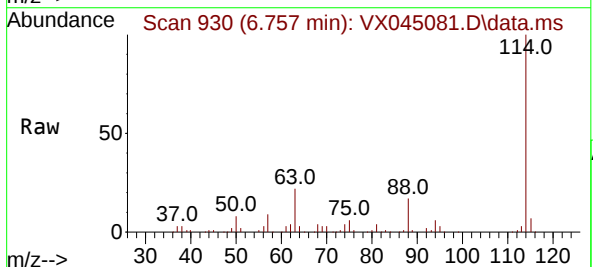
Tgt Ion:114 Resp: 183348

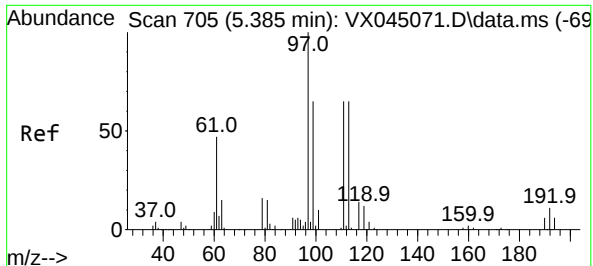
Ion Ratio Lower Upper

114 100

63 21.7 0.0 41.8

88 16.6 0.0 32.8





#35

Dibromofluoromethane

Concen: 49.626 ug/l

RT: 5.379 min Scan# 705

Delta R.T. -0.006 min

Lab File: VX045081.D

Acq: 28 Feb 2025 12:13

Instrument :

MSVOA\_X

ClientSampleId :

VX0228WBSD01

Tgt Ion:113 Resp: 6084

Ion Ratio Lower Upper

113 100

111 100.7 81.8 122.6

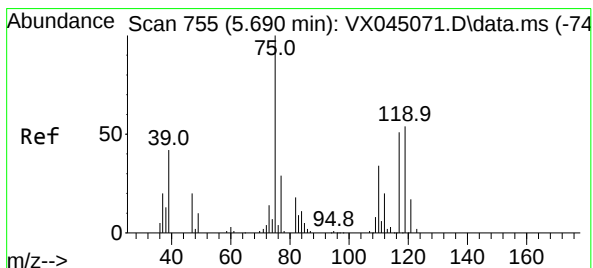
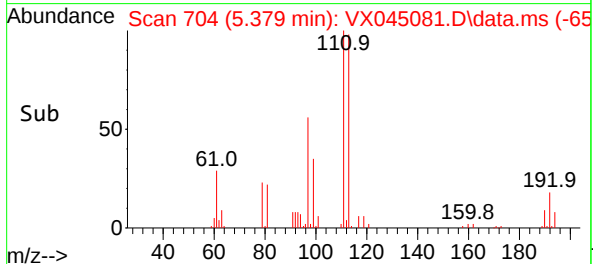
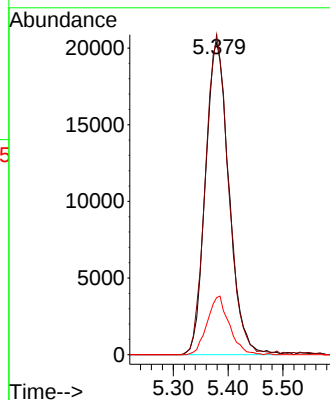
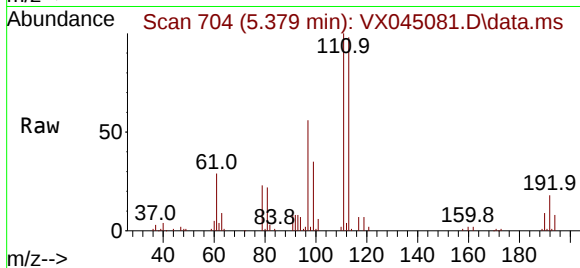
192 17.5 14.3 21.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 03/03/2025



#36

1,1-Dichloropropene

Concen: 18.539 ug/l

RT: 5.684 min Scan# 754

Delta R.T. -0.006 min

Lab File: VX045081.D

Acq: 28 Feb 2025 12:13

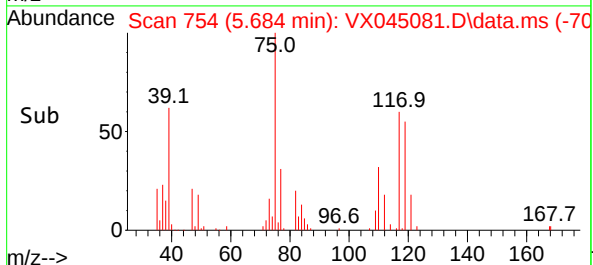
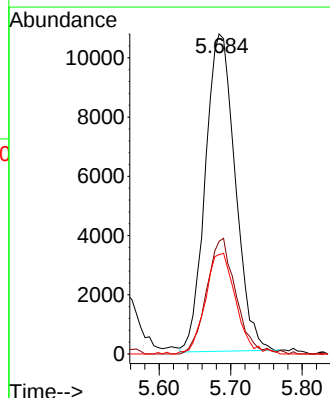
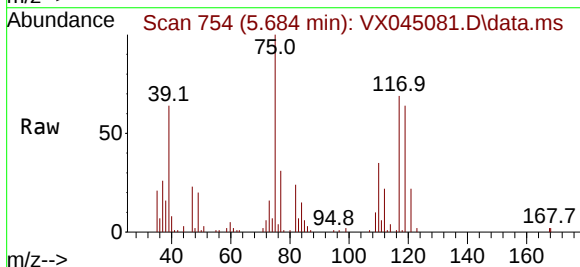
Tgt Ion: 75 Resp: 31171

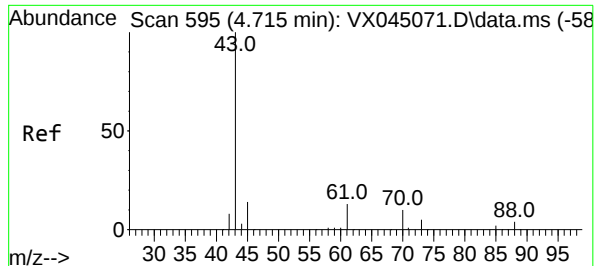
Ion Ratio Lower Upper

75 100

110 35.7 16.9 50.6

77 32.2 24.5 36.7





#37

Ethyl Acetate

Concen: 19.000 ug/l

RT: 4.715 min Scan# 595

Delta R.T. -0.000 min

Lab File: VX045081.D

Acq: 28 Feb 2025 12:13

Instrument :

MSVOA\_X

ClientSampleId :

VX0228WBSD01

Tgt Ion: 43 Resp: 4116

Ion Ratio Lower Upper

43 100

61 13.1 10.8 16.2

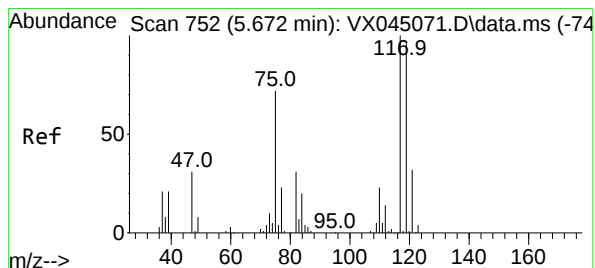
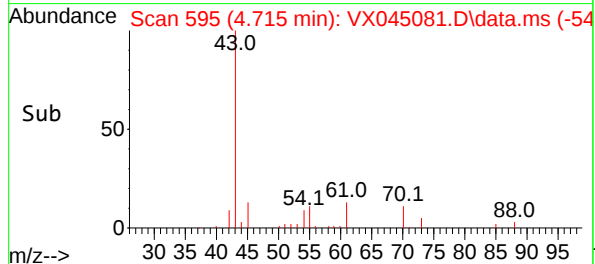
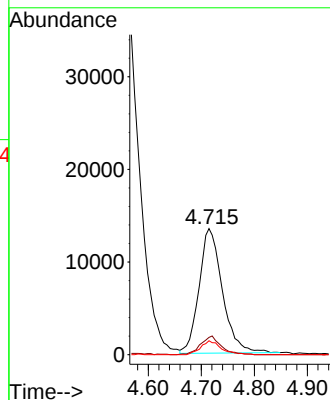
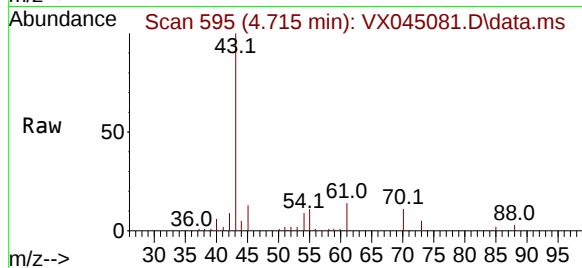
70 9.8 7.7 11.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 03/03/2025



#38

Carbon Tetrachloride

Concen: 18.768 ug/l

RT: 5.672 min Scan# 752

Delta R.T. -0.000 min

Lab File: VX045081.D

Acq: 28 Feb 2025 12:13

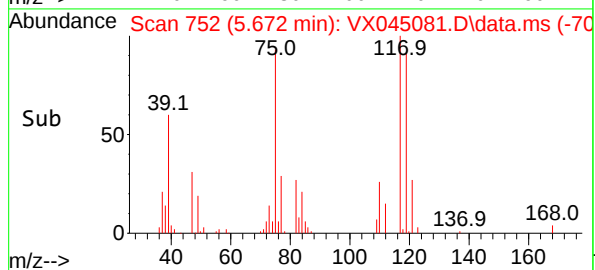
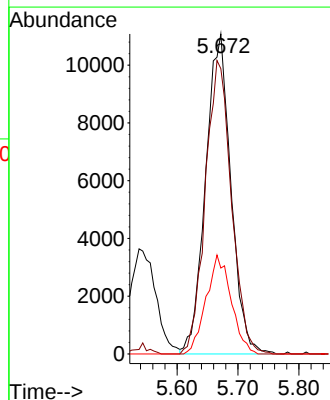
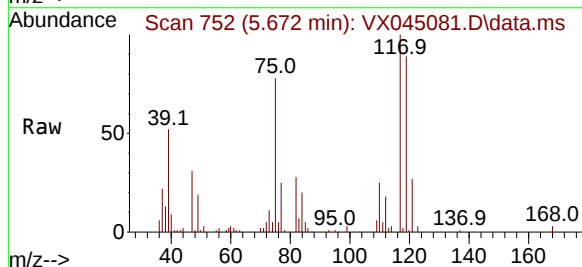
Tgt Ion:117 Resp: 32036

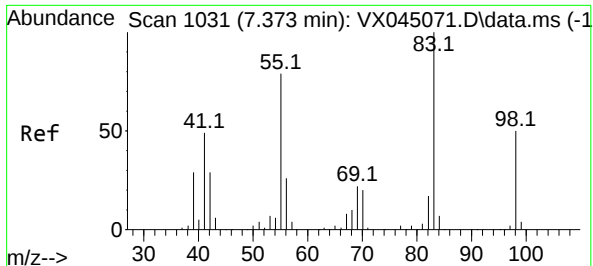
Ion Ratio Lower Upper

117 100

119 89.2 76.7 115.1

121 26.9 25.5 38.3





#39

Methylcyclohexane

Concen: 21.493 ug/l

RT: 7.373 min Scan# 1031

Delta R.T. -0.000 min

Lab File: VX045081.D

Acq: 28 Feb 2025 12:13

Instrument :

MSVOA\_X

ClientSampleId :

VX0228WBSD01

Tgt Ion: 83 Resp: 43300

Ion Ratio Lower Upper

83 100

55 76.3 63.0 94.4

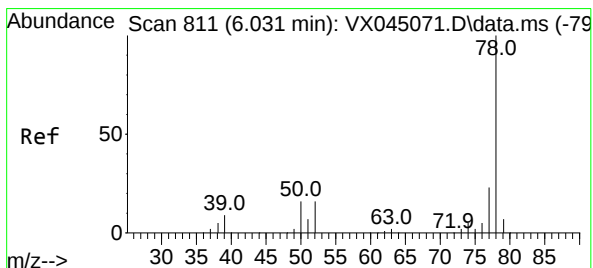
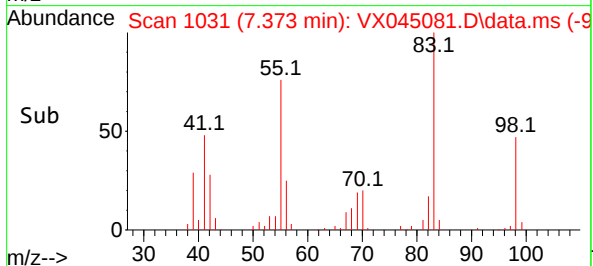
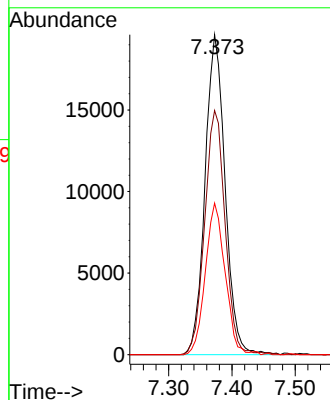
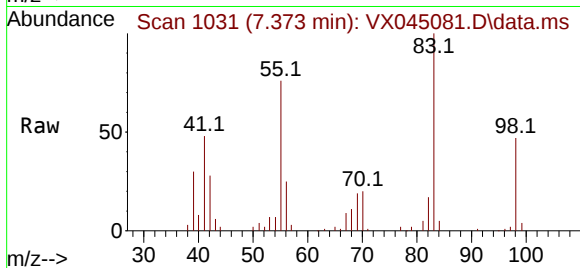
98 47.4 39.7 59.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 03/03/2025



#40

Benzene

Concen: 19.347 ug/l

RT: 6.031 min Scan# 811

Delta R.T. -0.000 min

Lab File: VX045081.D

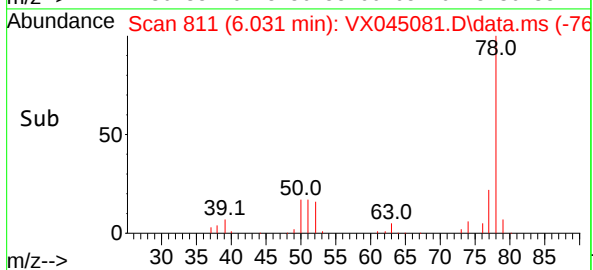
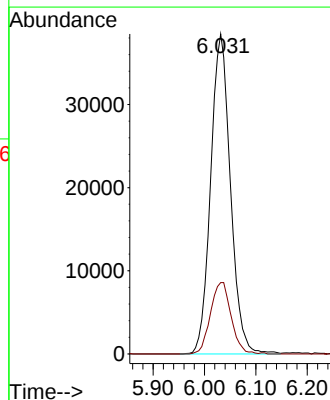
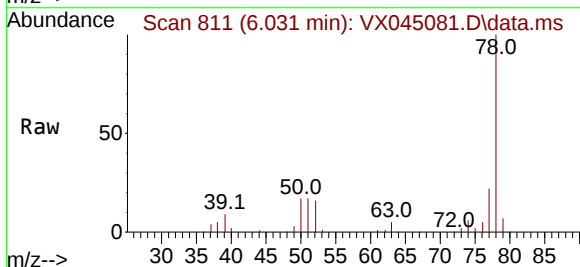
Acq: 28 Feb 2025 12:13

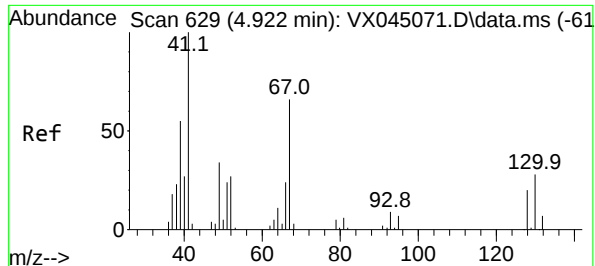
Tgt Ion: 78 Resp: 102719

Ion Ratio Lower Upper

78 100

77 22.3 18.8 28.2





#41

Methacrylonitrile

Concen: 19.081 ug/l

RT: 4.922 min Scan# 61

Delta R.T. -0.000 min

Lab File: VX045081.D

Acq: 28 Feb 2025 12:13

Instrument :

MSVOA\_X

ClientSampleId :

VX0228WBSD01

Tgt Ion: 41 Resp: 2235

Ion Ratio Lower Upper

41 100

39 53.9 44.6 67.0

67 68.1 53.9 80.9

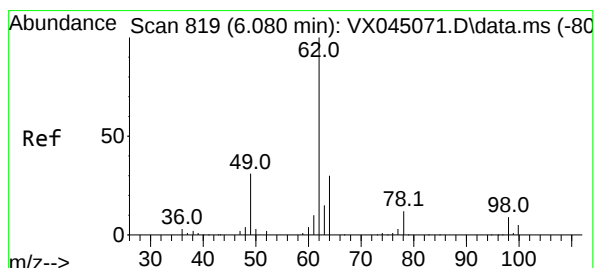
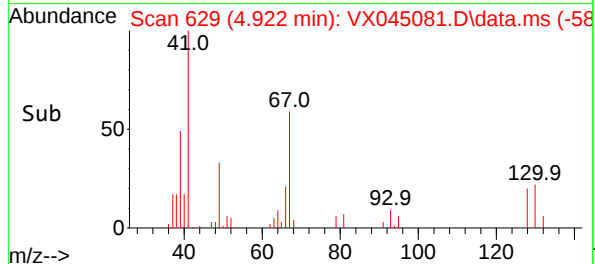
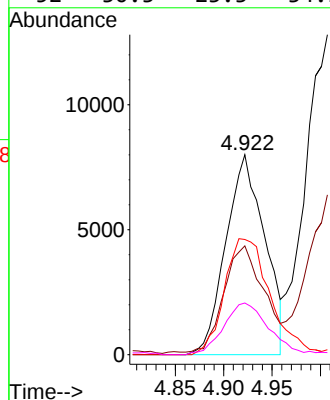
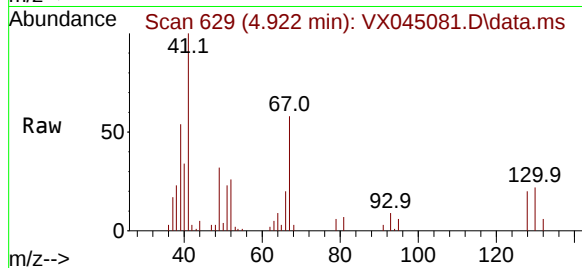
52 30.3 23.3 34.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 03/03/2025



#42

1,2-Dichloroethane

Concen: 19.055 ug/l

RT: 6.086 min Scan# 820

Delta R.T. 0.006 min

Lab File: VX045081.D

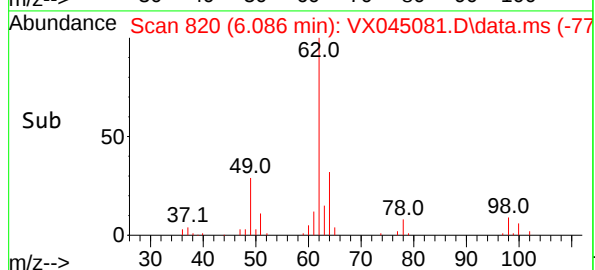
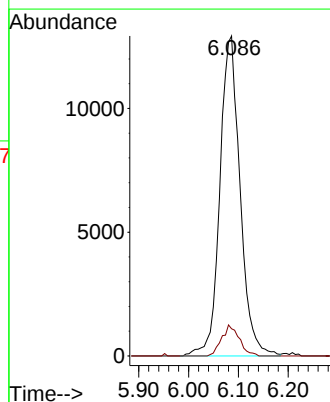
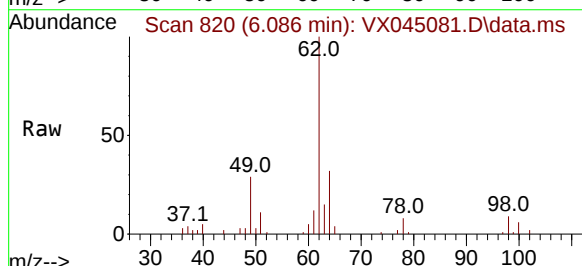
Acq: 28 Feb 2025 12:13

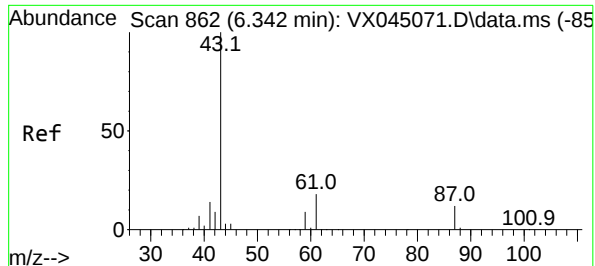
Tgt Ion: 62 Resp: 36431

Ion Ratio Lower Upper

62 100

98 8.4 0.0 18.2





#43

Isopropyl Acetate

Concen: 19.639 ug/l

RT: 6.342 min Scan# 80

Delta R.T. -0.000 min

Lab File: VX045081.D

Acq: 28 Feb 2025 12:13

Instrument :

MSVOA\_X

ClientSampleId :

VX0228WBSD01

Tgt Ion: 43 Resp: 62918

Ion Ratio Lower Upper

43 100

61 18.4 14.9 22.3

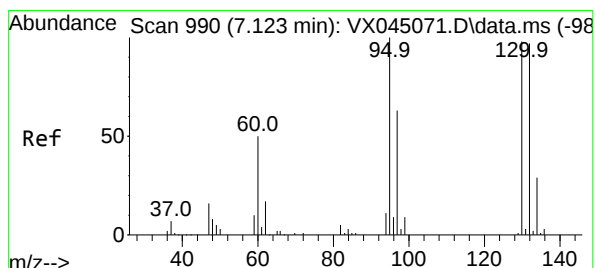
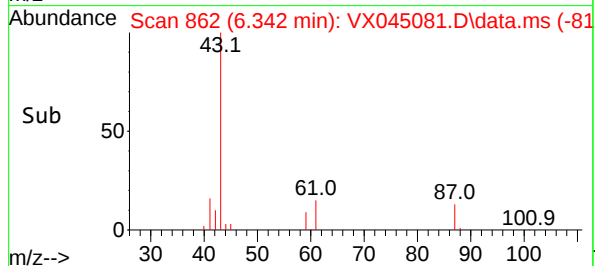
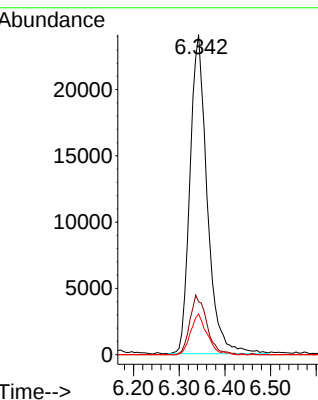
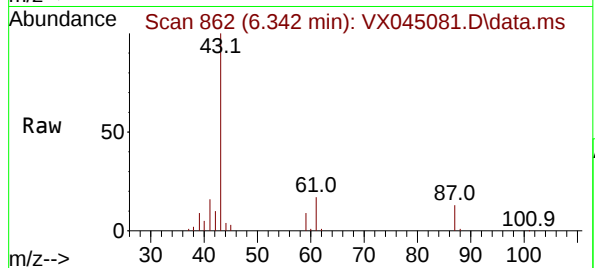
87 12.1 9.4 14.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 03/03/2025



#44

Trichloroethene

Concen: 19.040 ug/l

RT: 7.117 min Scan# 989

Delta R.T. -0.006 min

Lab File: VX045081.D

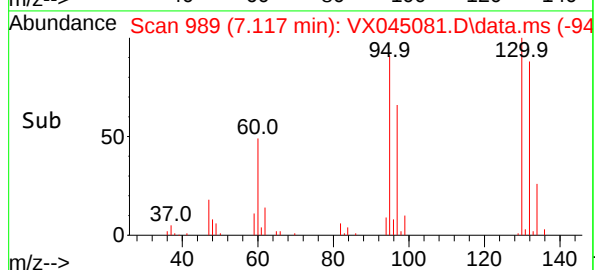
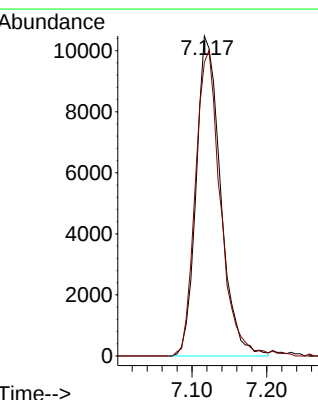
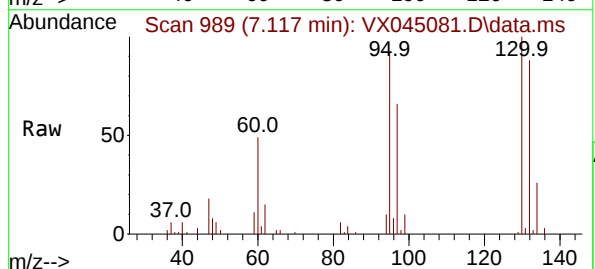
Acq: 28 Feb 2025 12:13

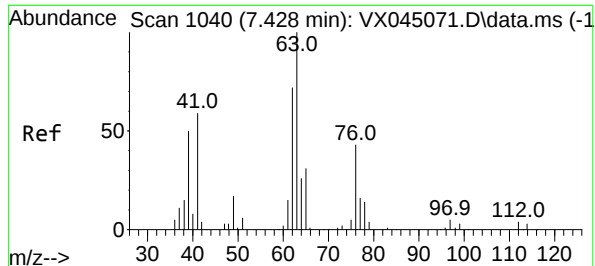
Tgt Ion:130 Resp: 23736

Ion Ratio Lower Upper

130 100

95 91.8 0.0 205.0





#45

1,2-Dichloropropane

Concen: 19.023 ug/l

RT: 7.427 min Scan# 1040

Delta R.T. -0.000 min

Lab File: VX045081.D

Acq: 28 Feb 2025 12:13

Instrument :

MSVOA\_X

ClientSampleId :

VX0228WBSD01

Tgt Ion: 63 Resp: 2596

Ion Ratio Lower Upper

63 100

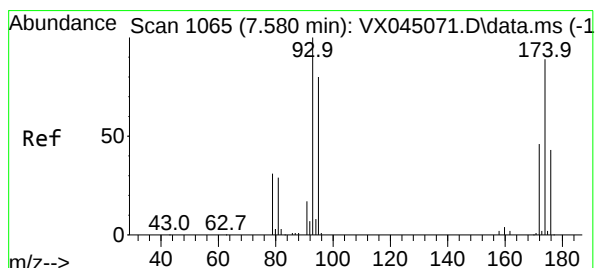
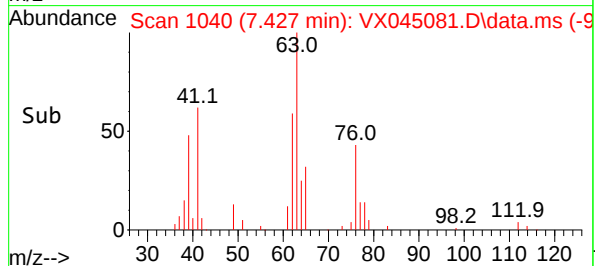
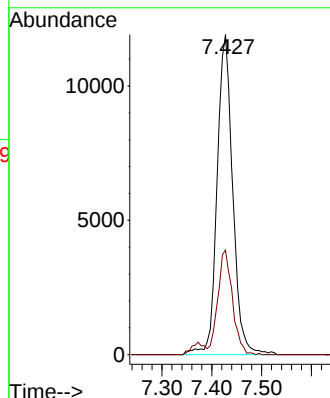
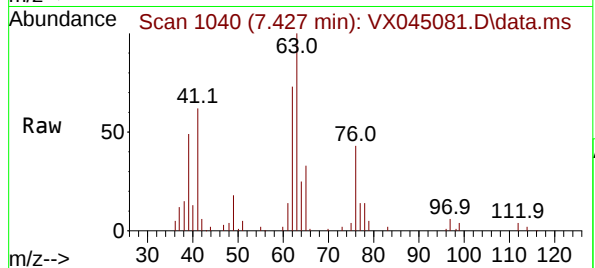
65 32.7 24.7 37.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 03/03/2025



#46

Dibromomethane

Concen: 19.412 ug/l

RT: 7.580 min Scan# 1065

Delta R.T. -0.000 min

Lab File: VX045081.D

Acq: 28 Feb 2025 12:13

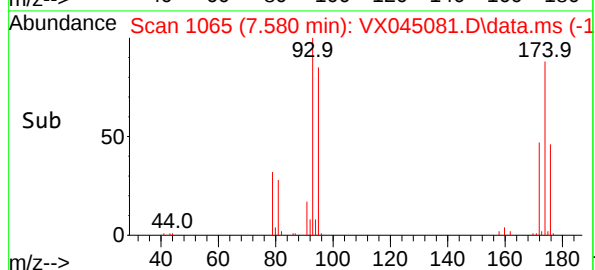
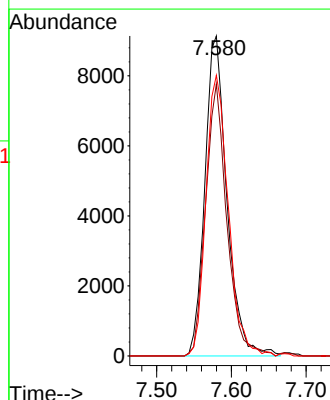
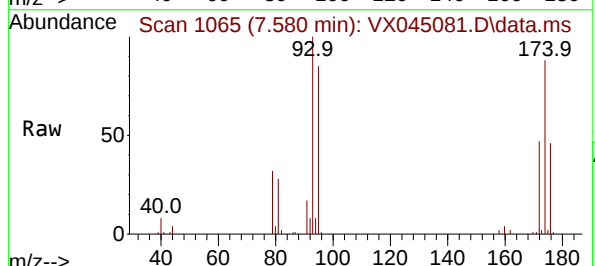
Tgt Ion: 93 Resp: 18730

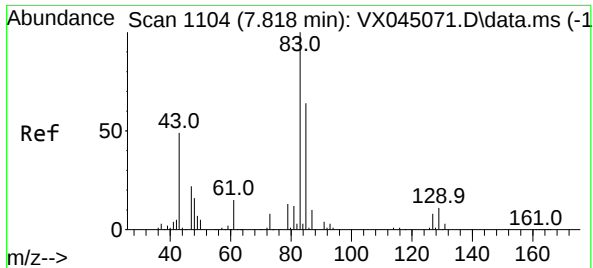
Ion Ratio Lower Upper

93 100

95 82.0 65.8 98.8

174 88.9 72.2 108.2





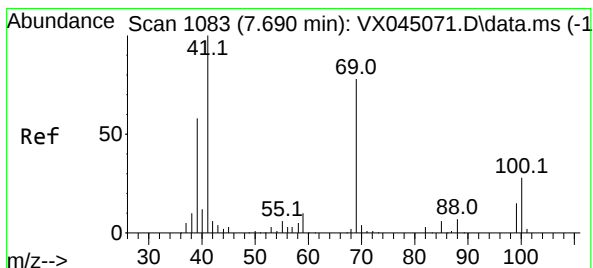
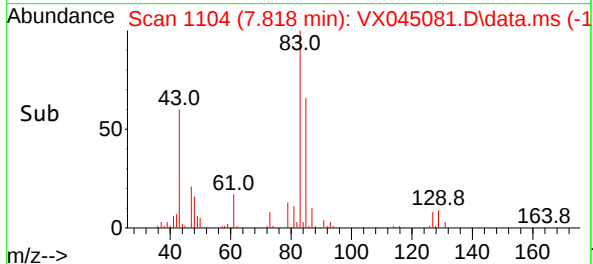
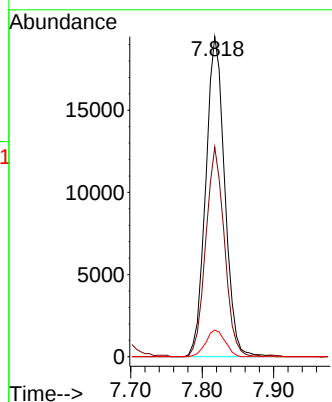
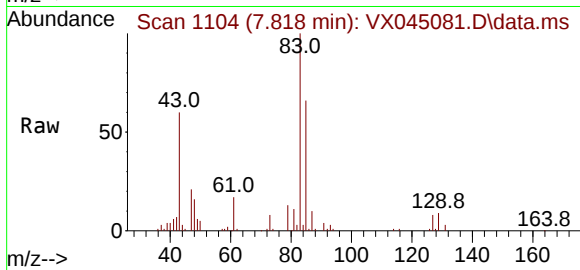
#47  
Bromodichloromethane  
Concen: 18.964 ug/l  
RT: 7.818 min Scan# 1104  
Delta R.T. -0.000 min  
Lab File: VX045081.D  
Acq: 28 Feb 2025 12:13

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0228WBSD01

Tgt Ion: 83 Resp: 35890  
Ion Ratio Lower Upper  
83 100  
85 65.5 51.1 76.7  
127 8.3 6.4 9.6

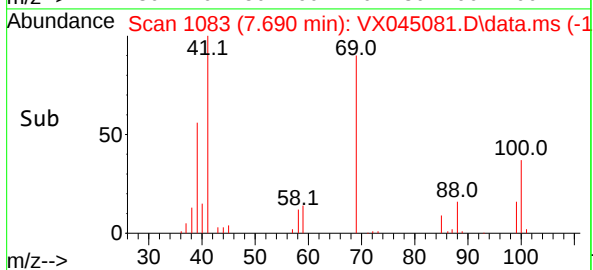
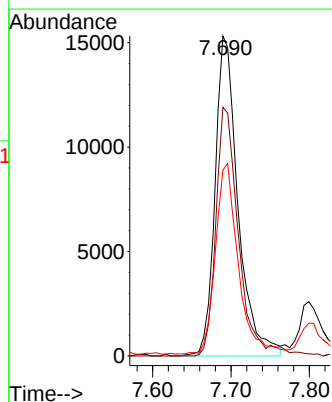
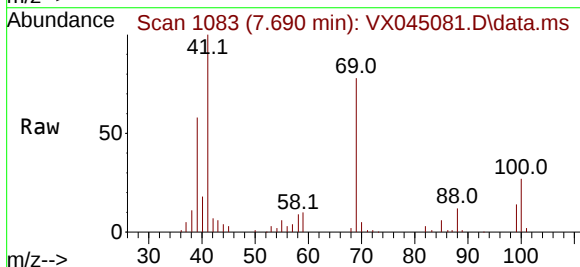
Manual Integrations  
APPROVED

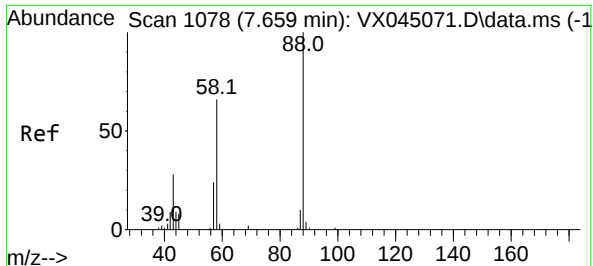
Reviewed By :John Carlone 02/28/2025  
Supervised By :Mahesh Dadoda 03/03/2025



#48  
Methyl methacrylate  
Concen: 19.429 ug/l  
RT: 7.690 min Scan# 1083  
Delta R.T. -0.000 min  
Lab File: VX045081.D  
Acq: 28 Feb 2025 12:13

Tgt Ion: 41 Resp: 31227  
Ion Ratio Lower Upper  
41 100  
69 77.1 63.0 94.6  
39 59.0 47.5 71.3





#49

1,4-Dioxane

Concen: 394.478 ug/l

RT: 7.665 min Scan# 1078

Delta R.T. 0.006 min

Lab File: VX045081.D

Acq: 28 Feb 2025 12:13

Instrument :

MSVOA\_X

ClientSampleId :

VX0228WBSD01

Tgt Ion: 88 Resp: 13374

Ion Ratio Lower Upper

88 100

43 37.2 28.7 43.1

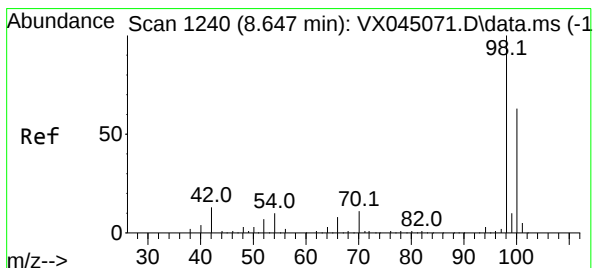
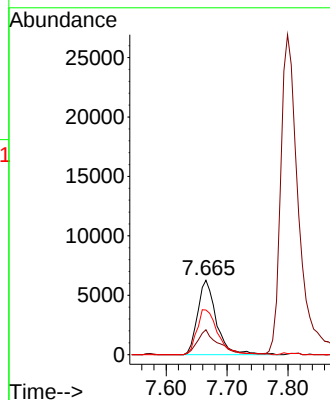
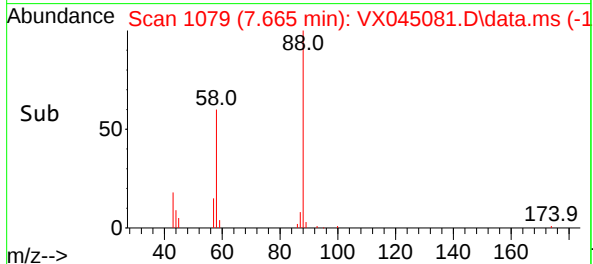
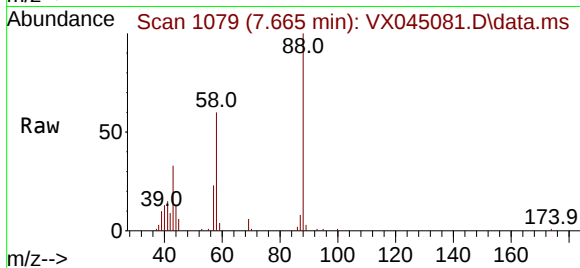
58 67.2 55.8 83.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 03/03/2025



#50

Toluene-d8

Concen: 50.078 ug/l

RT: 8.647 min Scan# 1240

Delta R.T. -0.000 min

Lab File: VX045081.D

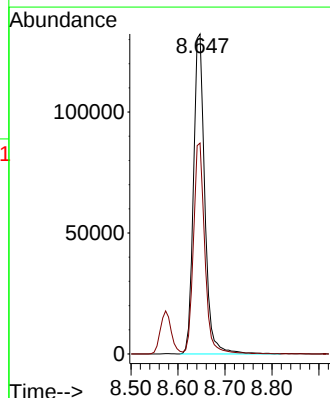
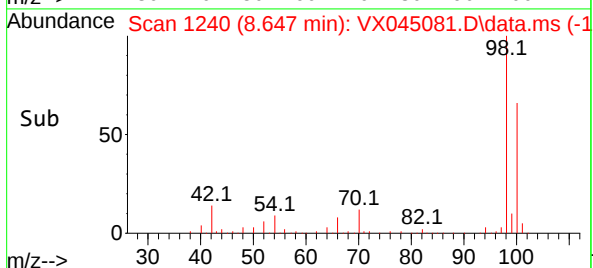
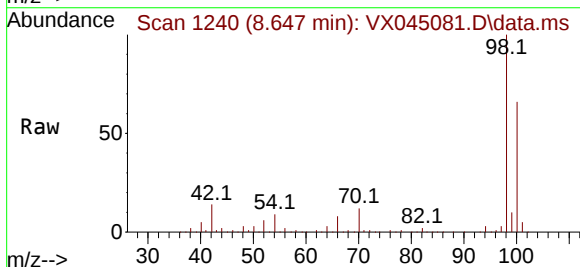
Acq: 28 Feb 2025 12:13

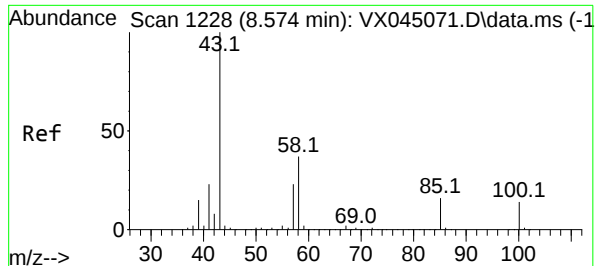
Tgt Ion: 98 Resp: 222580

Ion Ratio Lower Upper

98 100

100 65.4 52.0 78.0





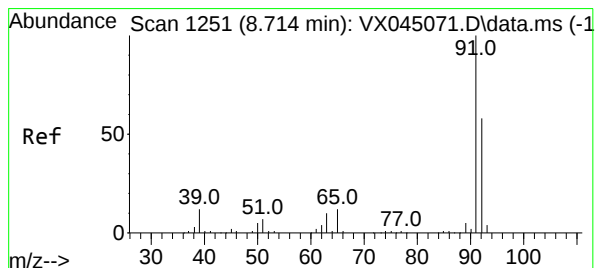
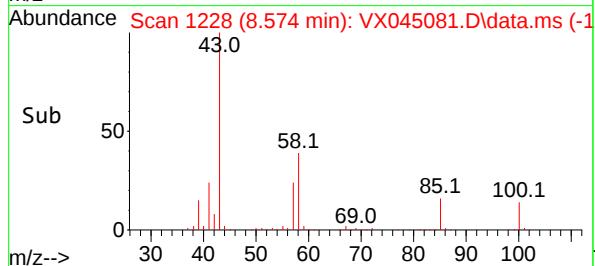
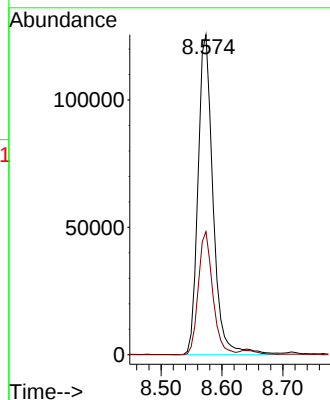
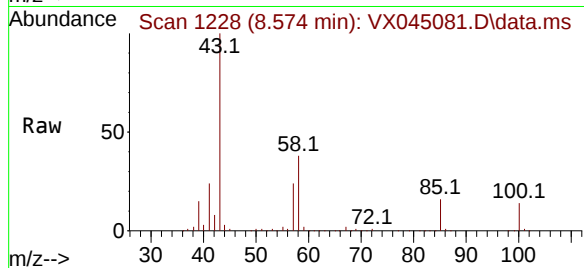
#51  
4-Methyl-2-Pentanone  
Concen: 100.083 ug/l  
RT: 8.574 min Scan# 1228  
Delta R.T. -0.000 min  
Lab File: VX045081.D  
Acq: 28 Feb 2025 12:13

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0228WBSD01

Tgt Ion: 43 Resp: 21528  
Ion Ratio Lower Upper  
43 100  
58 37.0 29.2 43.8

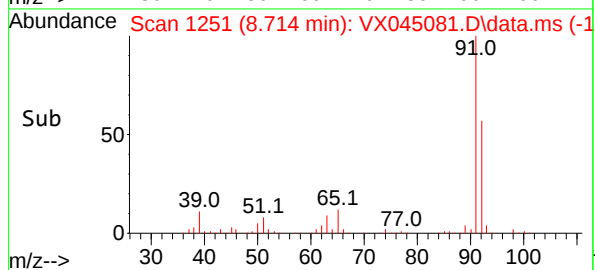
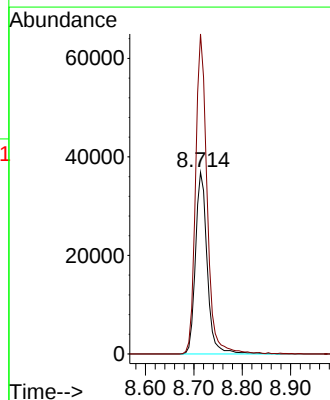
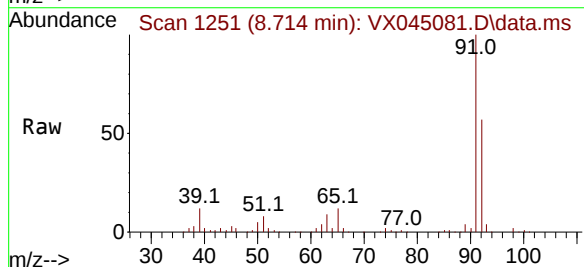
Manual Integrations  
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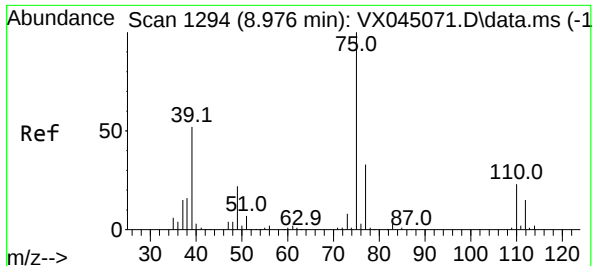
Reviewed By :John Carlone 02/28/2025  
Supervised By :Mahesh Dadoda 03/03/2025



#52  
Toluene  
Concen: 19.907 ug/l  
RT: 8.714 min Scan# 1251  
Delta R.T. -0.000 min  
Lab File: VX045081.D  
Acq: 28 Feb 2025 12:13

Tgt Ion: 92 Resp: 62012  
Ion Ratio Lower Upper  
92 100  
91 172.7 138.9 208.3





#53

t-1,3-Dichloropropene

Concen: 19.942 ug/l

RT: 8.976 min Scan# 1194

Delta R.T. -0.000 min

Lab File: VX045081.D

Acq: 28 Feb 2025 12:13

Instrument :

MSVOA\_X

ClientSampleId :

VX0228WBSD01

Tgt Ion: 75 Resp: 3155

Ion Ratio Lower Upper

75 100

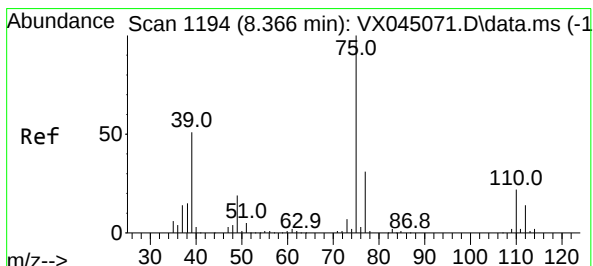
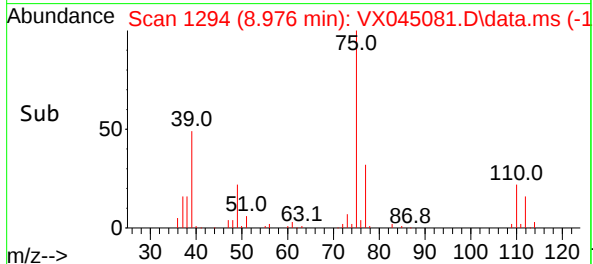
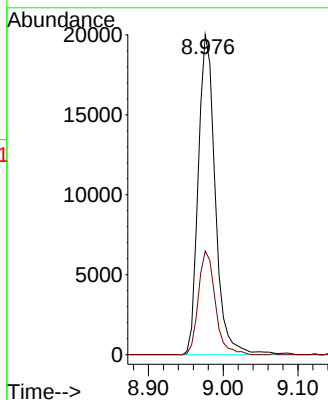
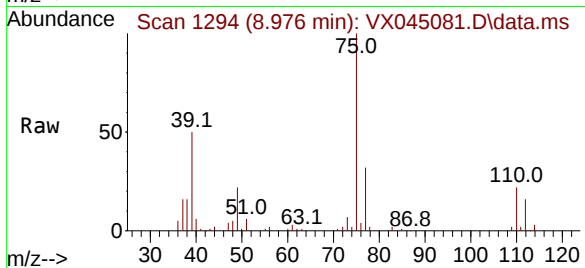
77 32.4 26.5 39.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 03/03/2025



#54

cis-1,3-Dichloropropene

Concen: 20.197 ug/l

RT: 8.366 min Scan# 1194

Delta R.T. -0.000 min

Lab File: VX045081.D

Acq: 28 Feb 2025 12:13

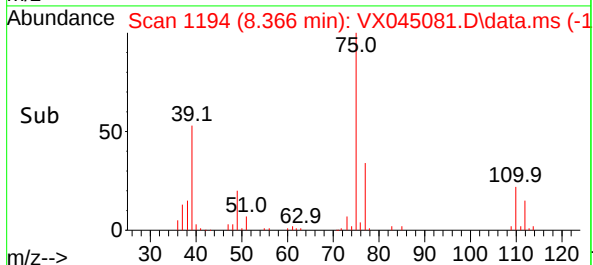
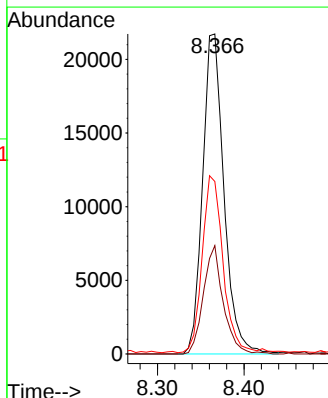
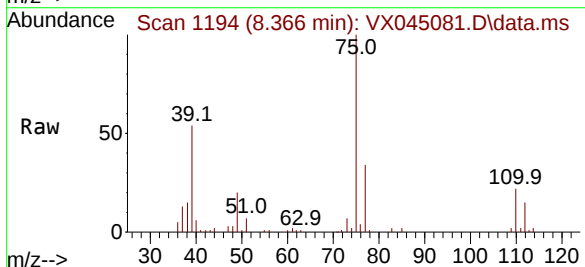
Tgt Ion: 75 Resp: 37263

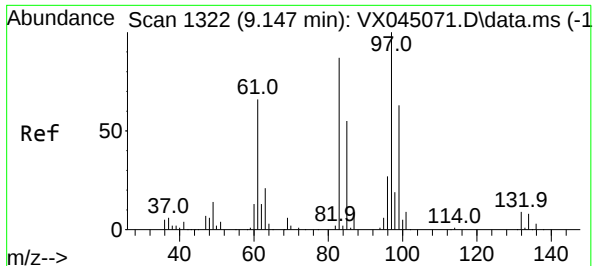
Ion Ratio Lower Upper

75 100

77 33.9 24.7 37.1

39 53.5 40.7 61.1





#55

1,1,2-Trichloroethane

Concen: 19.823 ug/l

RT: 9.153 min Scan# 1323

Delta R.T. 0.006 min

Lab File: VX045081.D

Acq: 28 Feb 2025 12:13

Instrument :

MSVOA\_X

ClientSampleId :

VX0228WBSD01

Tgt Ion: 97 Resp: 2542

Ion Ratio Lower Upper

97 100

83 84.8 69.4 104.2

85 56.5 44.1 66.1

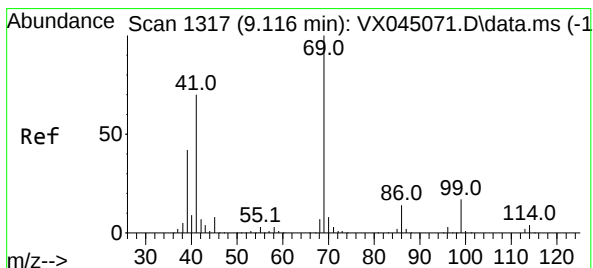
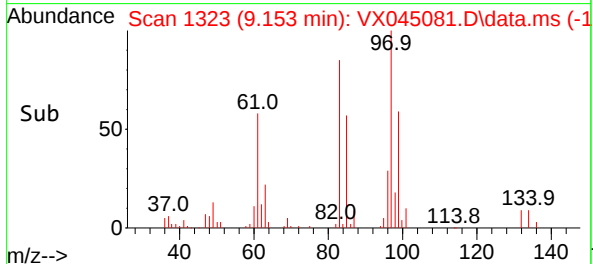
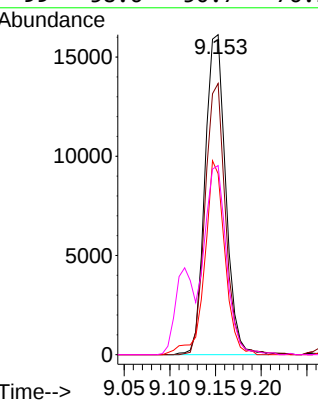
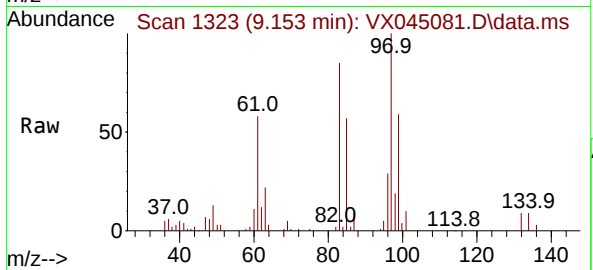
99 58.6 50.7 76.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 03/03/2025



#56

Ethyl methacrylate

Concen: 19.686 ug/l

RT: 9.116 min Scan# 1317

Delta R.T. -0.000 min

Lab File: VX045081.D

Acq: 28 Feb 2025 12:13

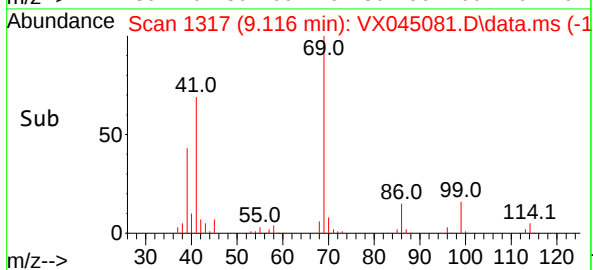
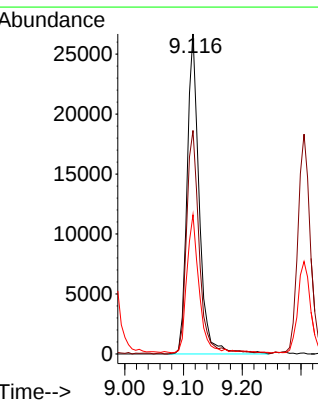
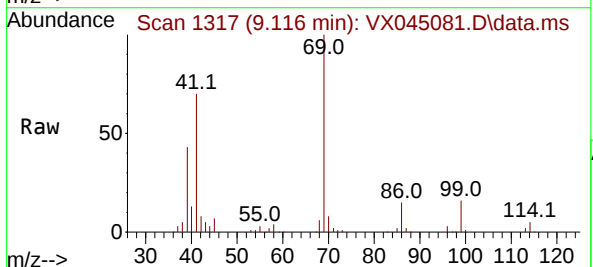
Tgt Ion: 69 Resp: 38375

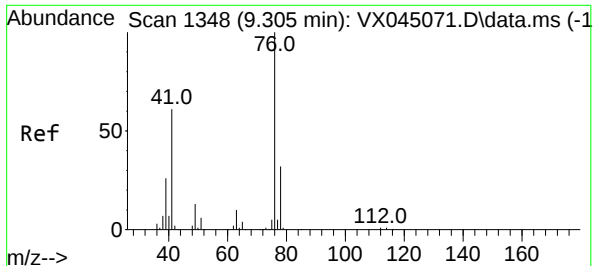
Ion Ratio Lower Upper

69 100

41 73.6 57.0 85.4

39 44.4 34.2 51.4





#57

1,3-Dichloropropane

Concen: 19.646 ug/l

RT: 9.305 min Scan# 1173

Delta R.T. -0.000 min

Lab File: VX045081.D

Acq: 28 Feb 2025 12:13

Instrument :

MSVOA\_X

ClientSampleId :

VX0228WBSD01

Tgt Ion: 76 Resp: 4360

Ion Ratio Lower Upper

76 100

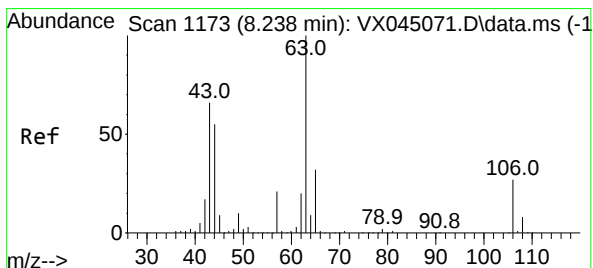
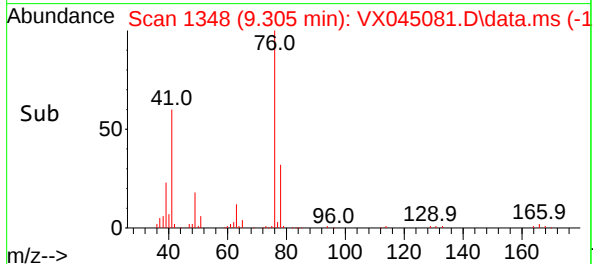
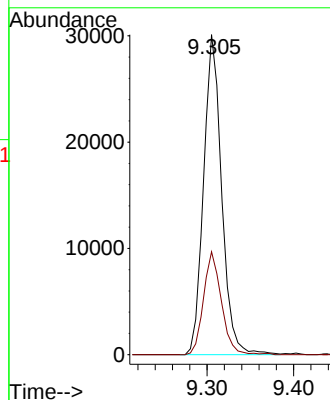
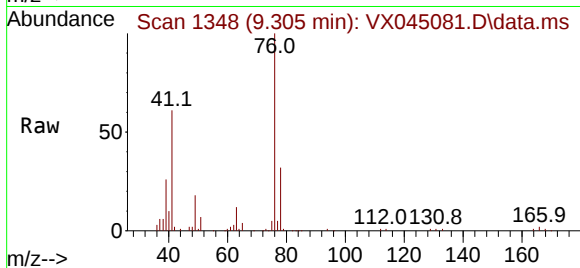
78 31.9 25.5 38.3

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 03/03/2025



#58

2-Chloroethyl Vinyl ether

Concen: 103.699 ug/l

RT: 8.238 min Scan# 1173

Delta R.T. -0.000 min

Lab File: VX045081.D

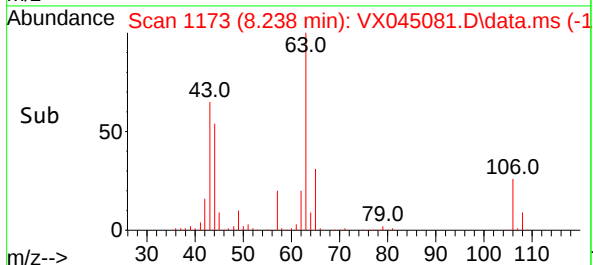
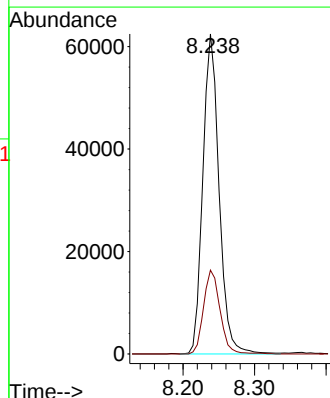
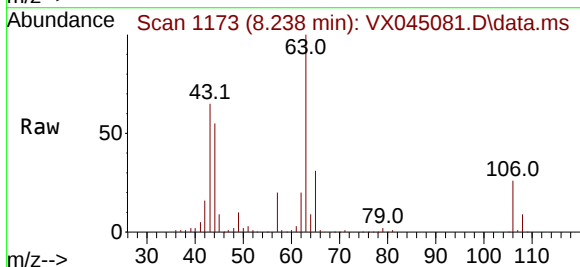
Acq: 28 Feb 2025 12:13

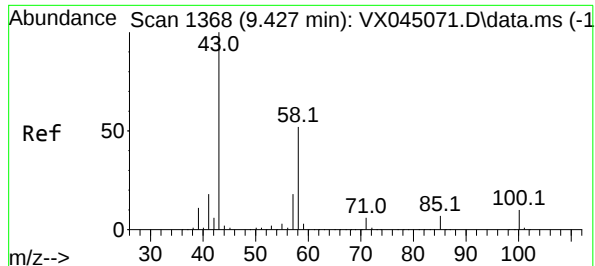
Tgt Ion: 63 Resp: 98607

Ion Ratio Lower Upper

63 100

106 26.6 21.5 32.3





#59

2-Hexanone

Concen: 100.470 ug/l

RT: 9.427 min Scan# 1368

Delta R.T. -0.000 min

Lab File: VX045081.D

Acq: 28 Feb 2025 12:13

Instrument :

MSVOA\_X

ClientSampleId :

VX0228WBSD01

Tgt Ion: 43 Resp: 156580

Ion Ratio Lower Upper

43 100

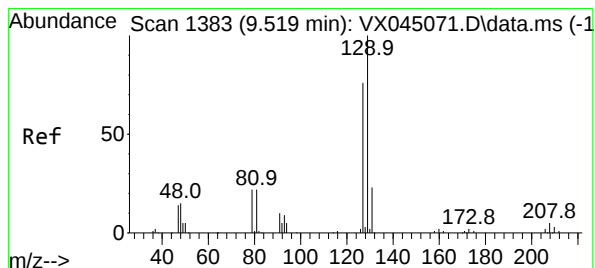
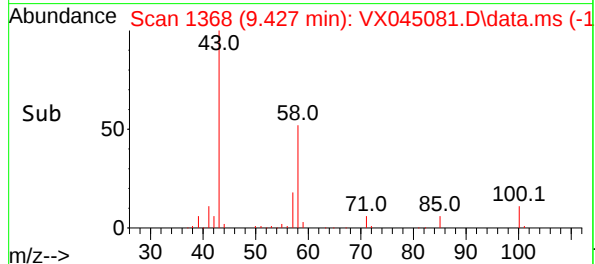
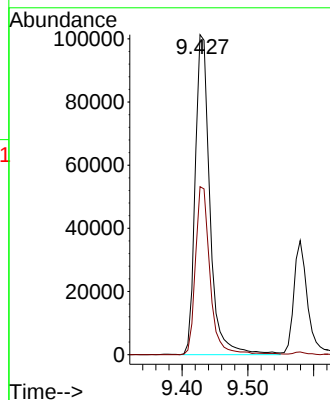
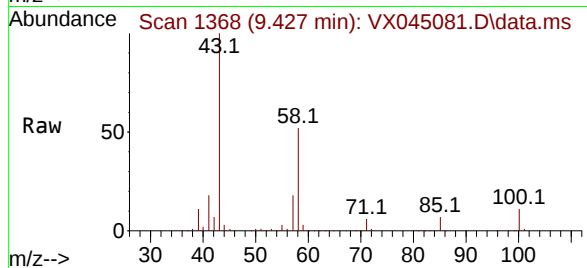
58 52.3 25.9 77.6

Manual Integrations

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Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 03/03/2025



#60

Dibromochloromethane

Concen: 19.172 ug/l

RT: 9.519 min Scan# 1383

Delta R.T. -0.000 min

Lab File: VX045081.D

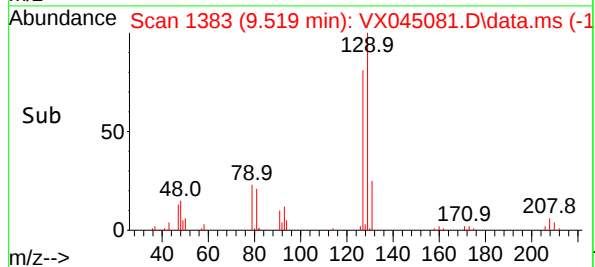
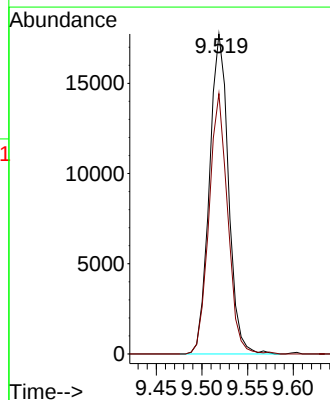
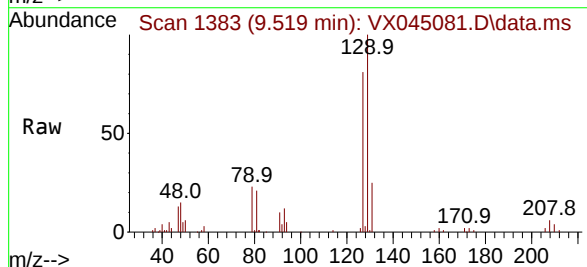
Acq: 28 Feb 2025 12:13

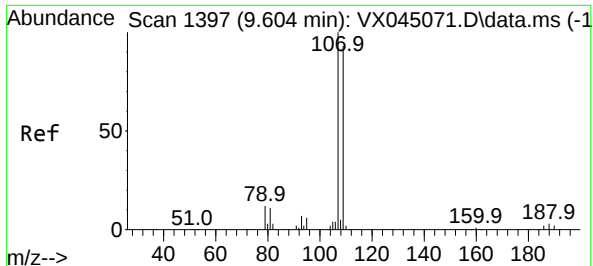
Tgt Ion:129 Resp: 25707

Ion Ratio Lower Upper

129 100

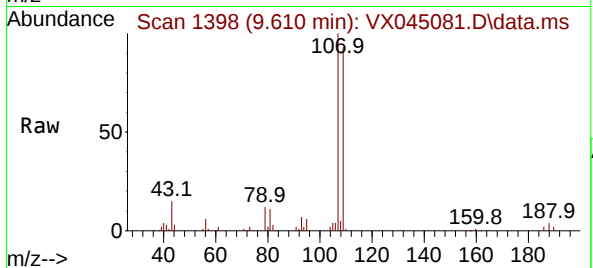
127 79.9 38.5 115.5





#61  
1,2-Dibromoethane  
Concen: 19.802 ug/l  
RT: 9.610 min Scan# 1398  
Delta R.T. 0.006 min  
Lab File: VX045081.D  
Acq: 28 Feb 2025 12:13

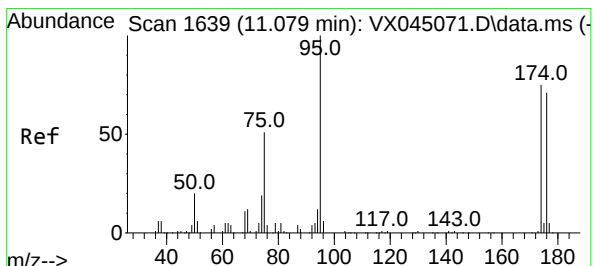
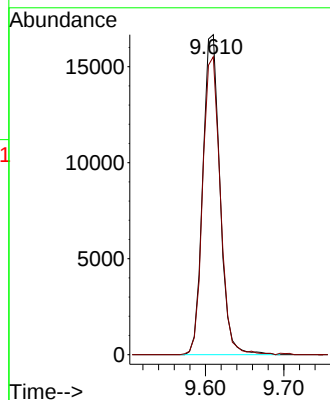
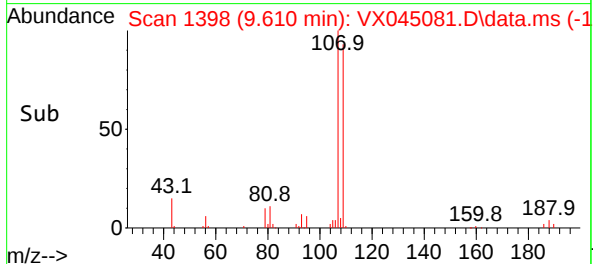
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0228WBSD01



Tgt Ion:107 Resp: 2535  
Ion Ratio Lower Upper  
107 100  
109 95.6 76.1 114.1

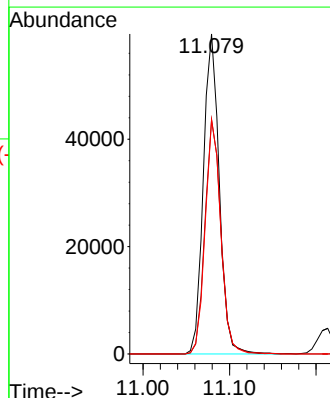
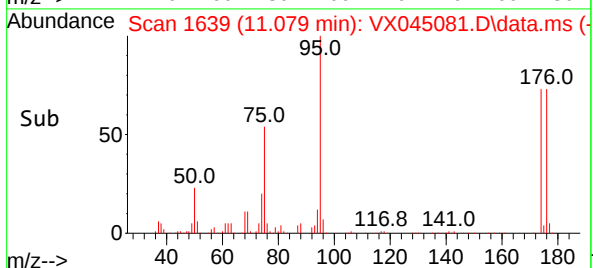
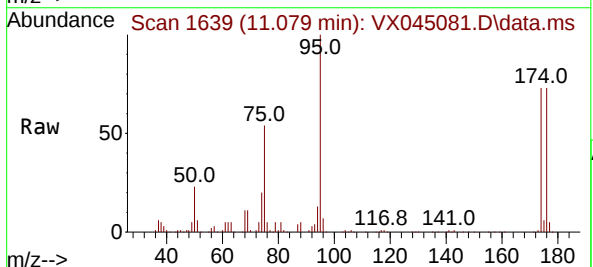
Manual Integrations  
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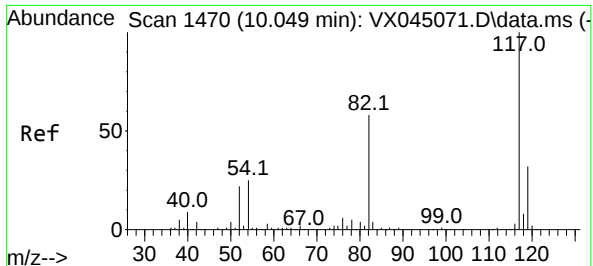
Reviewed By :John Carlone 02/28/2025  
Supervised By :Mahesh Dadoda 03/03/2025



#62  
4-Bromofluorobenzene  
Concen: 51.599 ug/l  
RT: 11.079 min Scan# 1639  
Delta R.T. -0.000 min  
Lab File: VX045081.D  
Acq: 28 Feb 2025 12:13

Tgt Ion: 95 Resp: 75997  
Ion Ratio Lower Upper  
95 100  
174 73.5 0.0 148.2  
176 71.9 0.0 141.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1470

Delta R.T. -0.000 min

Lab File: VX045081.D

Acq: 28 Feb 2025 12:13

Instrument :

MSVOA\_X

ClientSampleId :

VX0228WBSD01

Tgt Ion:117 Resp: 16238

Ion Ratio Lower Upper

117 100

82 59.0 46.3 69.5

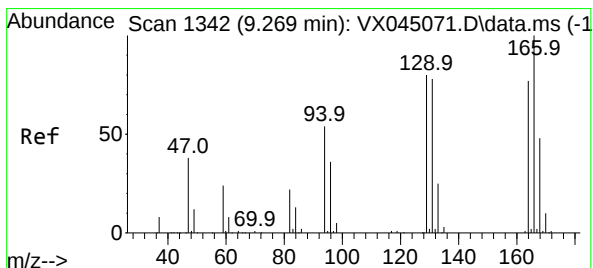
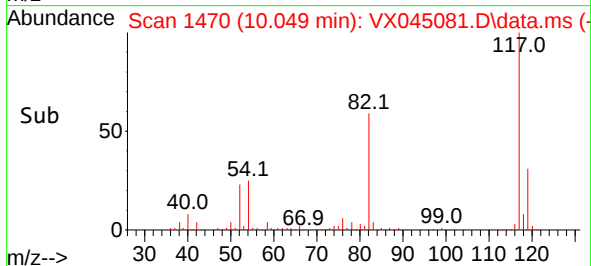
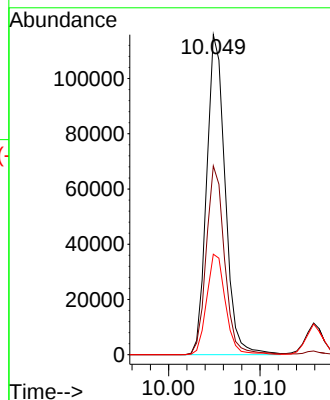
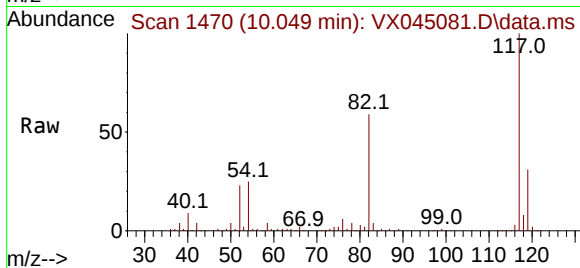
119 31.4 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 03/03/2025



#64

Tetrachloroethene

Concen: 19.717 ug/l

RT: 9.269 min Scan# 1342

Delta R.T. -0.000 min

Lab File: VX045081.D

Acq: 28 Feb 2025 12:13

Tgt Ion:164 Resp: 20506

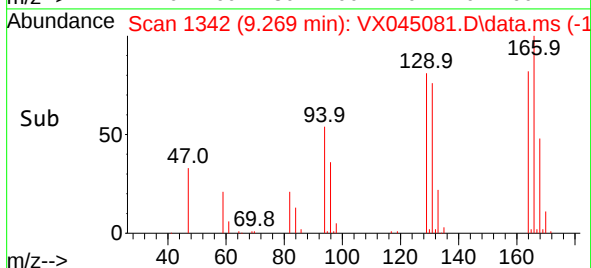
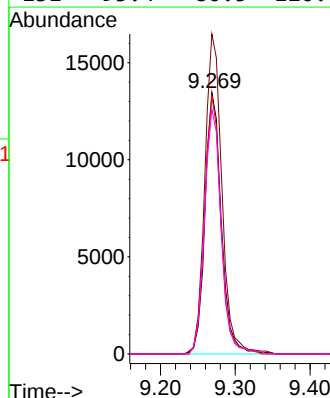
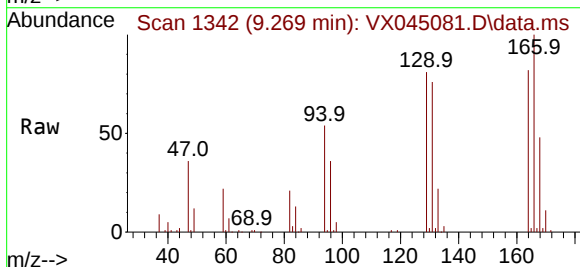
Ion Ratio Lower Upper

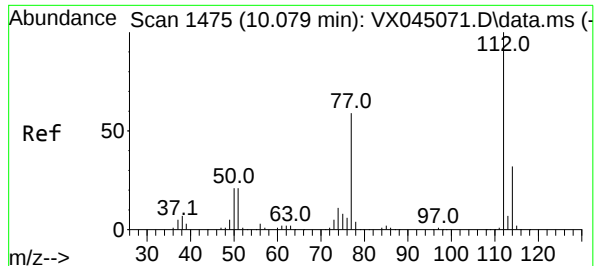
164 100

166 122.4 103.6 155.4

129 98.6 82.7 124.1

131 93.4 80.5 120.7





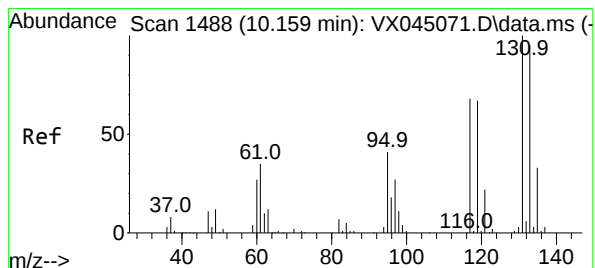
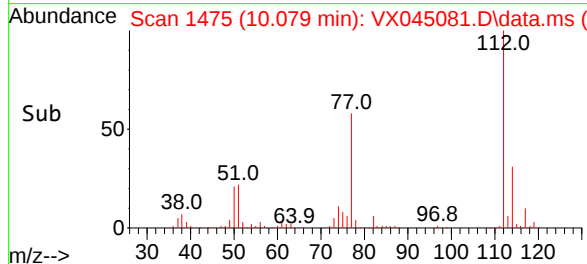
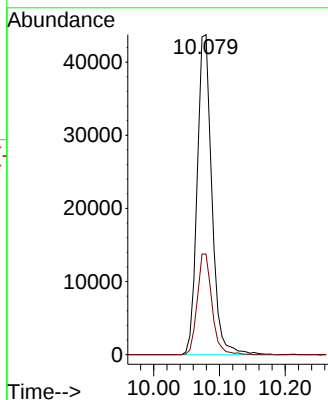
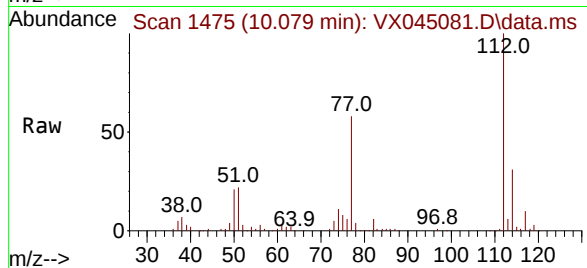
#65  
Chlorobenzene  
Concen: 19.708 ug/l  
RT: 10.079 min Scan# 1475  
Delta R.T. -0.000 min  
Lab File: VX045081.D  
Acq: 28 Feb 2025 12:13

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0228WBSD01

Tgt Ion:112 Resp: 6771  
Ion Ratio Lower Upper  
112 100  
114 31.4 26.0 39.0

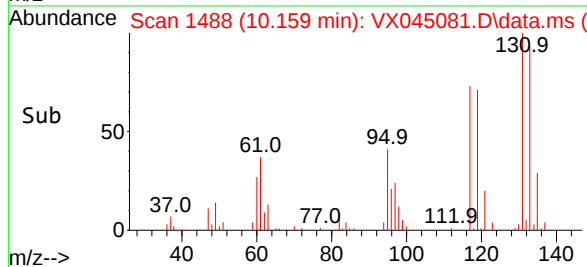
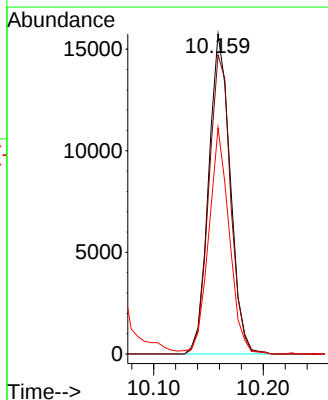
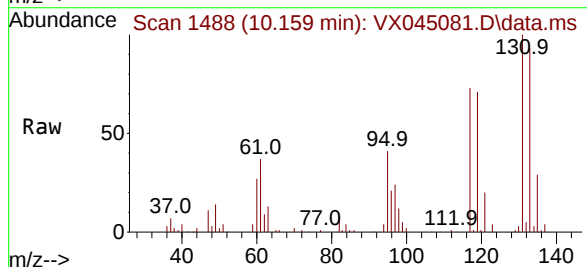
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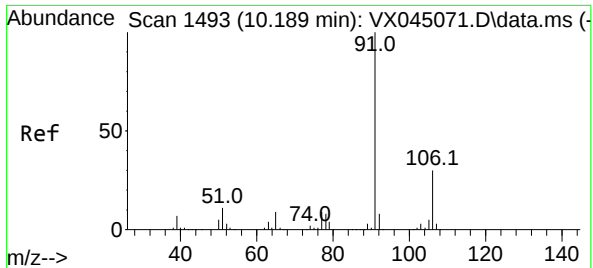
Reviewed By :John Carlone 02/28/2025  
Supervised By :Mahesh Dadoda 03/03/2025



#66  
1,1,1,2-Tetrachloroethane  
Concen: 18.835 ug/l  
RT: 10.159 min Scan# 1488  
Delta R.T. -0.000 min  
Lab File: VX045081.D  
Acq: 28 Feb 2025 12:13

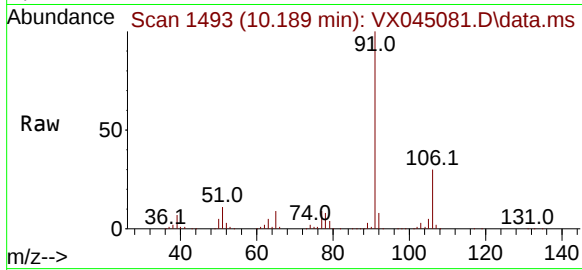
Tgt Ion:131 Resp: 21552  
Ion Ratio Lower Upper  
131 100  
133 94.7 48.6 145.9  
119 67.2 33.9 101.7





#67  
Ethyl Benzene  
Concen: 19.770 ug/l  
RT: 10.189 min Scan# 1493  
Delta R.T. -0.000 min  
Lab File: VX045081.D  
Acq: 28 Feb 2025 12:13

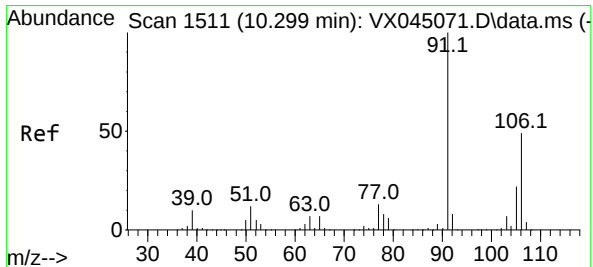
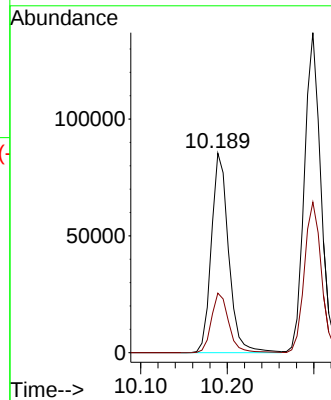
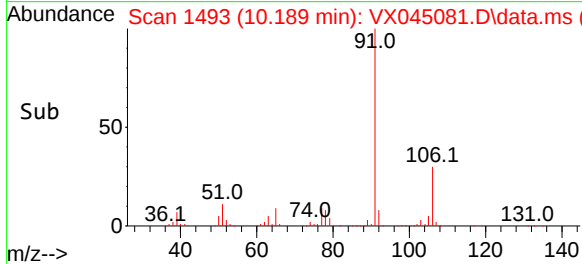
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0228WBSD01



Tgt Ion: 91 Resp: 11836  
Ion Ratio Lower Upper  
91 100  
106 29.8 23.9 35.9

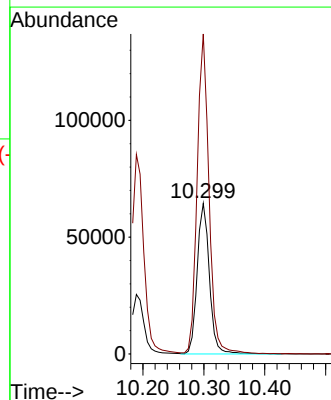
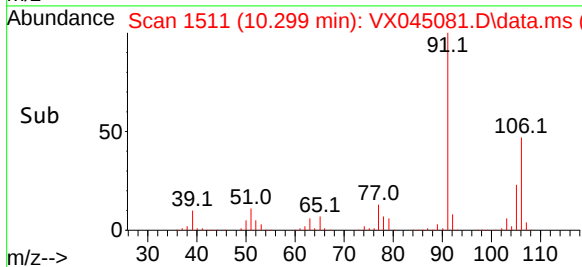
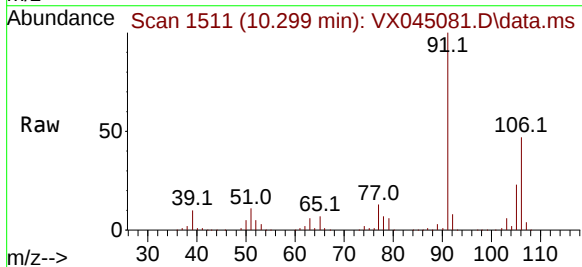
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**APPROVED**

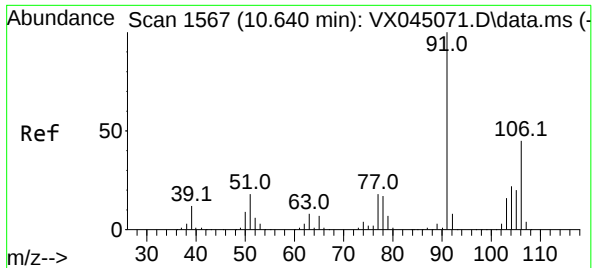
Reviewed By :John Carlone 02/28/2025  
Supervised By :Mahesh Dadoda 03/03/2025



#68  
m/p-Xylenes  
Concen: 41.000 ug/l  
RT: 10.299 min Scan# 1511  
Delta R.T. -0.000 min  
Lab File: VX045081.D  
Acq: 28 Feb 2025 12:13

Tgt Ion:106 Resp: 89858  
Ion Ratio Lower Upper  
106 100  
91 204.4 165.4 248.0





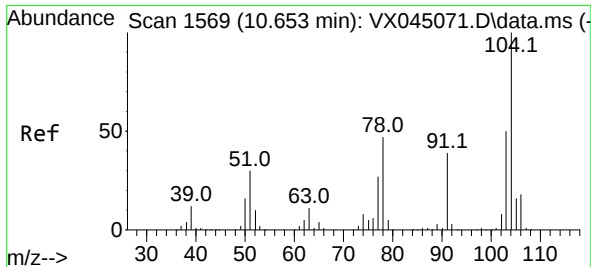
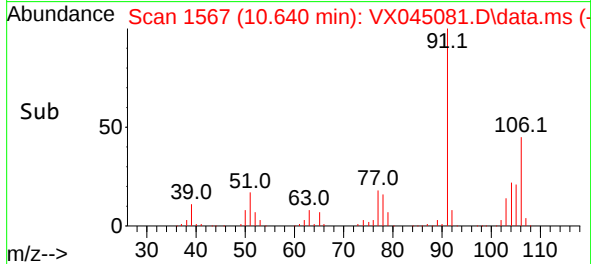
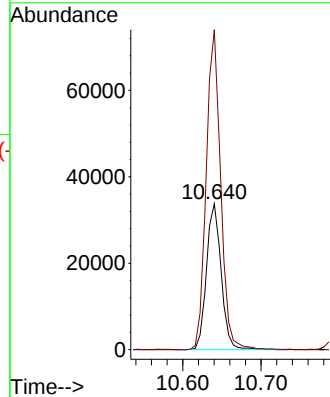
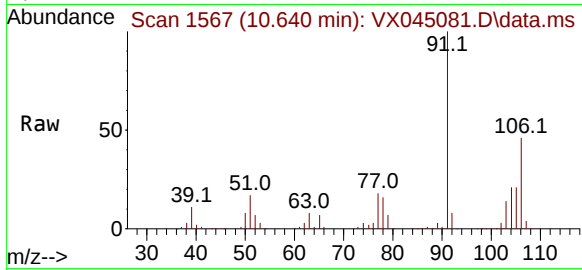
#69  
o-Xylene  
Concen: 19.810 ug/l  
RT: 10.640 min Scan# 1567  
Delta R.T. -0.000 min  
Lab File: VX045081.D  
Acq: 28 Feb 2025 12:13

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0228WBSD01

Tgt Ion:106 Resp: 43790  
Ion Ratio Lower Upper  
106 100  
91 216.8 109.9 329.6

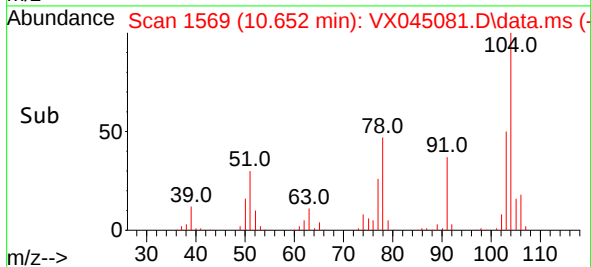
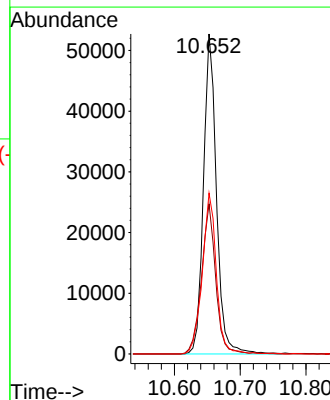
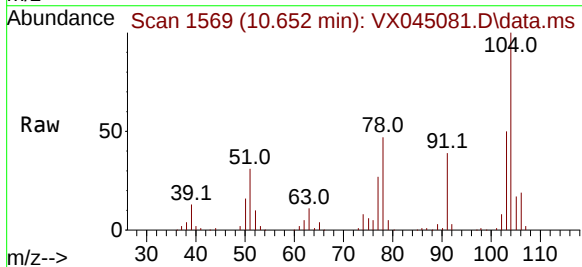
Manual Integrations  
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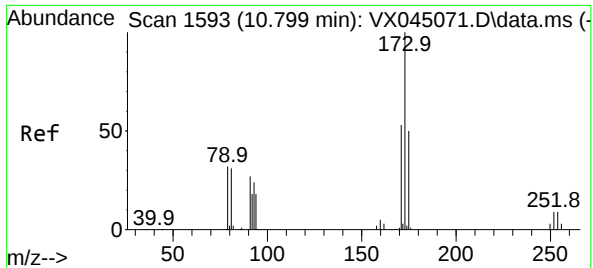
Reviewed By :John Carlone 02/28/2025  
Supervised By :Mahesh Dadoda 03/03/2025



#70  
Styrene  
Concen: 20.268 ug/l  
RT: 10.652 min Scan# 1569  
Delta R.T. -0.000 min  
Lab File: VX045081.D  
Acq: 28 Feb 2025 12:13

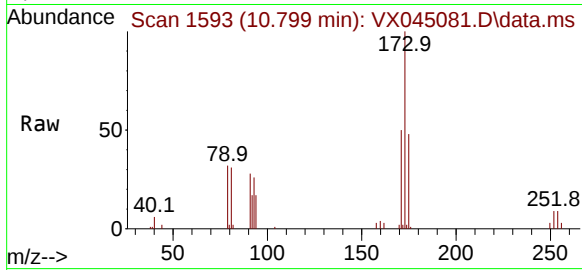
Tgt Ion:104 Resp: 72492  
Ion Ratio Lower Upper  
104 100  
78 51.4 42.2 63.4  
103 54.4 43.8 65.8





#71  
Bromoform  
Concen: 18.567 ug/l  
RT: 10.799 min Scan# 1593  
Delta R.T. -0.000 min  
Lab File: VX045081.D  
Acq: 28 Feb 2025 12:13

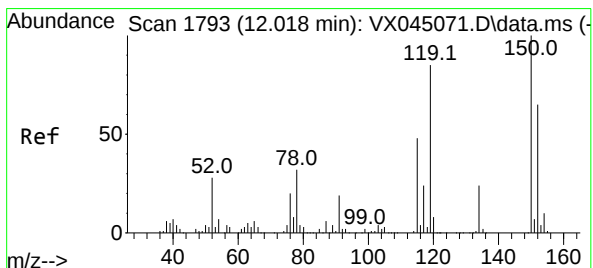
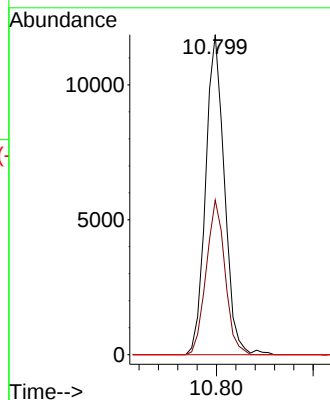
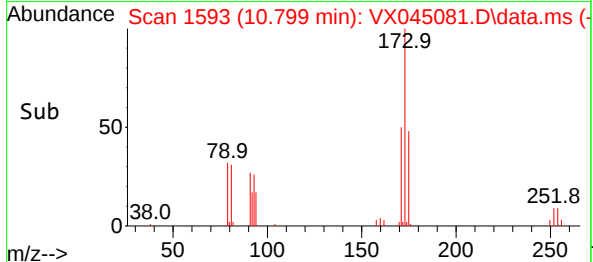
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0228WBSD01



Tgt Ion:173 Resp: 1602  
Ion Ratio Lower Upper  
173 100  
175 48.5 24.6 73.6  
254 0.0 0.0 0.0

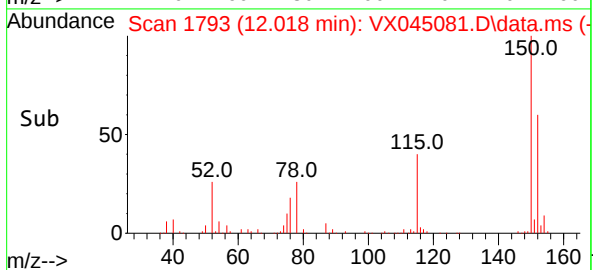
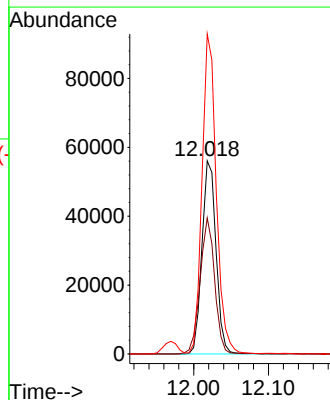
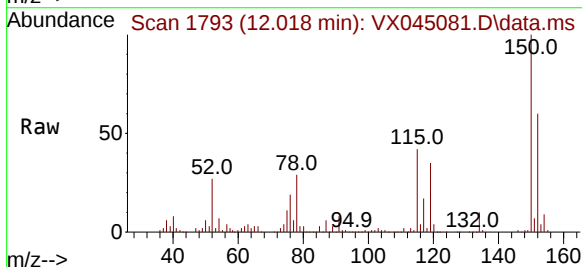
Manual Integrations  
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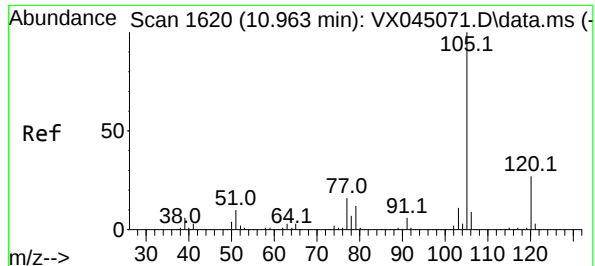
Reviewed By :John Carlone 02/28/2025  
Supervised By :Mahesh Dadoda 03/03/2025



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 12.018 min Scan# 1793  
Delta R.T. -0.000 min  
Lab File: VX045081.D  
Acq: 28 Feb 2025 12:13

Tgt Ion:152 Resp: 73363  
Ion Ratio Lower Upper  
152 100  
115 72.5 44.2 132.6  
150 167.1 0.0 349.0





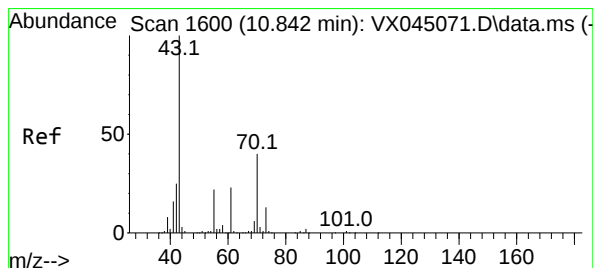
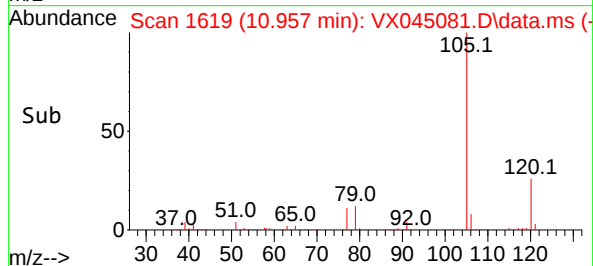
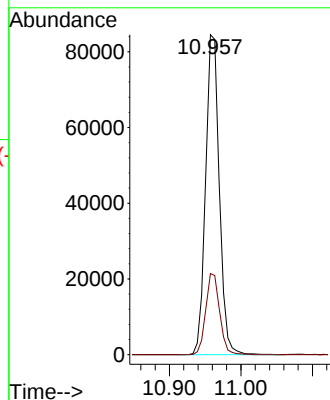
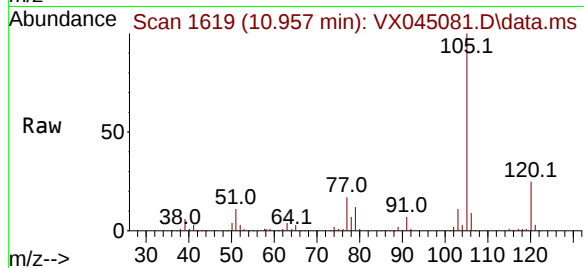
#73  
Isopropylbenzene  
Concen: 19.694 ug/l  
RT: 10.957 min Scan# 1619  
Delta R.T. -0.006 min  
Lab File: VX045081.D  
Acq: 28 Feb 2025 12:13

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0228WBSD01

Tgt Ion:105 Resp: 11277  
Ion Ratio Lower Upper  
105 100  
120 25.7 13.2 39.5

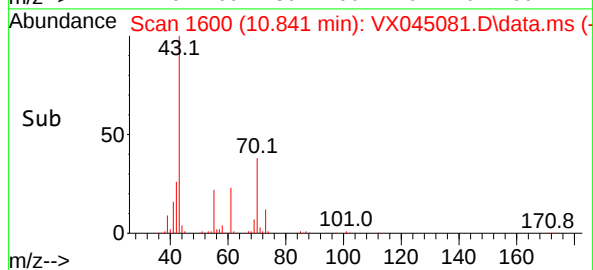
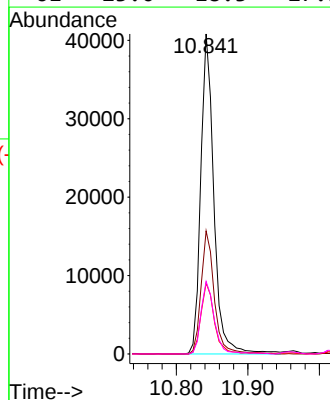
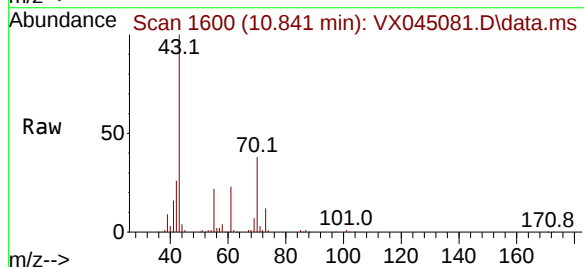
Manual Integrations  
APPROVED

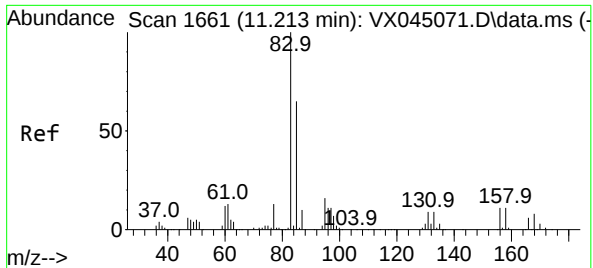
Reviewed By :John Carlone 02/28/2025  
Supervised By :Mahesh Dadoda 03/03/2025



#74  
N-ethyl acetate  
Concen: 19.350 ug/l  
RT: 10.841 min Scan# 1600  
Delta R.T. -0.000 min  
Lab File: VX045081.D  
Acq: 28 Feb 2025 12:13

Tgt Ion: 43 Resp: 51992  
Ion Ratio Lower Upper  
43 100  
70 38.8 31.8 47.6  
55 22.4 18.3 27.5  
61 23.0 18.3 27.5





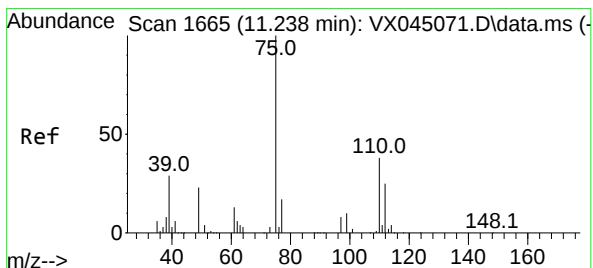
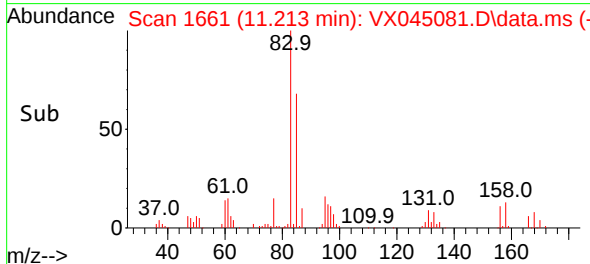
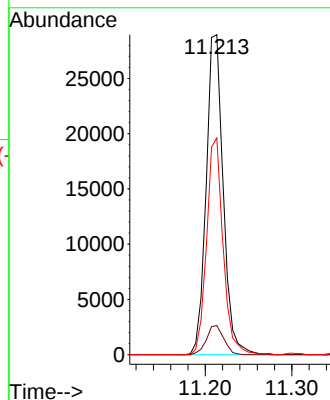
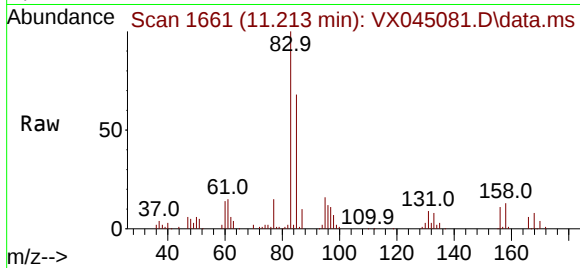
#75  
1,1,2,2-Tetrachloroethane  
Concen: 18.845 ug/l  
RT: 11.213 min Scan# 1661  
Delta R.T. -0.000 min  
Lab File: VX045081.D  
Acq: 28 Feb 2025 12:13

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0228WBSD01

Tgt Ion: 83 Resp: 3959  
Ion Ratio Lower Upper  
83 100  
131 9.3 4.5 13.4  
85 65.4 31.7 95.1

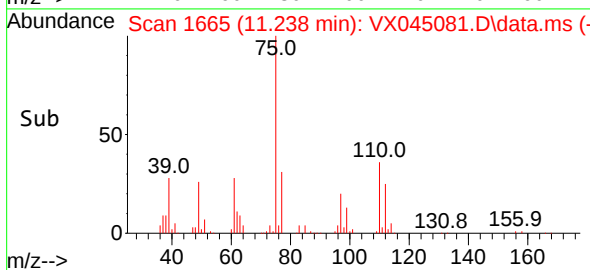
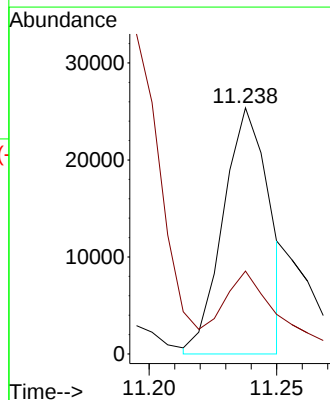
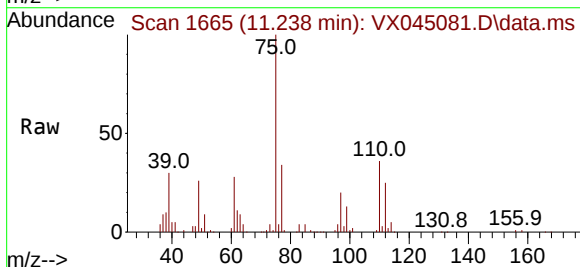
Manual Integrations  
APPROVED

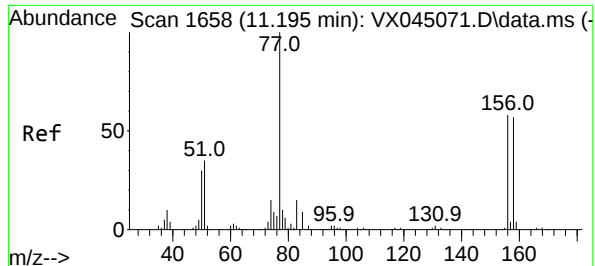
Reviewed By :John Carlone 02/28/2025  
Supervised By :Mahesh Dadoda 03/03/2025



#76  
1,2,3-Trichloropropane  
Concen: 18.691 ug/l m  
RT: 11.238 min Scan# 1665  
Delta R.T. -0.000 min  
Lab File: VX045081.D  
Acq: 28 Feb 2025 12:13

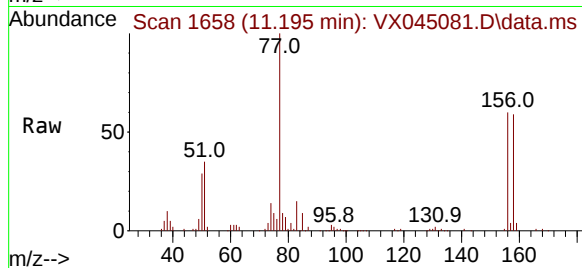
Tgt Ion: 75 Resp: 31916  
Ion Ratio Lower Upper  
75 100  
77 41.5 20.7 62.1





#77  
Bromobenzene  
Concen: 19.166 ug/l  
RT: 11.195 min Scan# 1658  
Delta R.T. -0.000 min  
Lab File: VX045081.D  
Acq: 28 Feb 2025 12:13

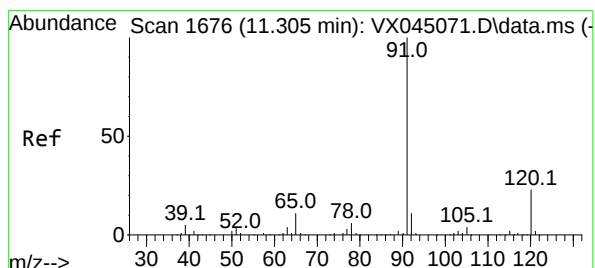
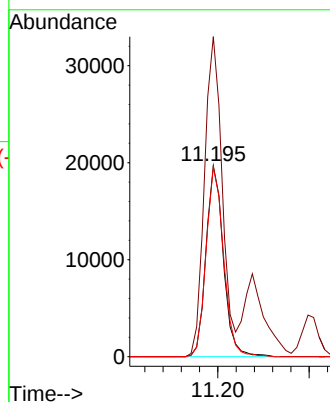
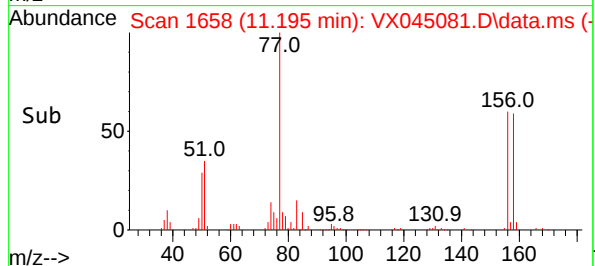
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0228WBSD01



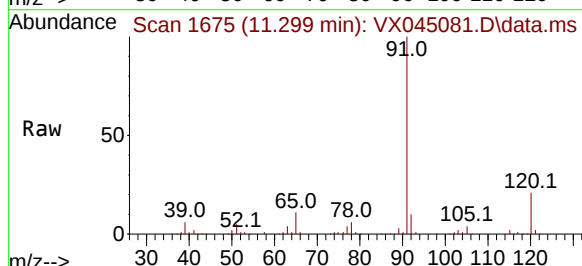
Tgt Ion: 156 Resp: 25894  
Ion Ratio Lower Upper  
156 100  
77 170.8 85.8 257.4  
158 100.4 48.4 145.2

Manual Integrations  
APPROVED

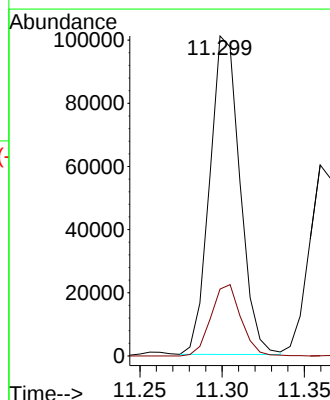
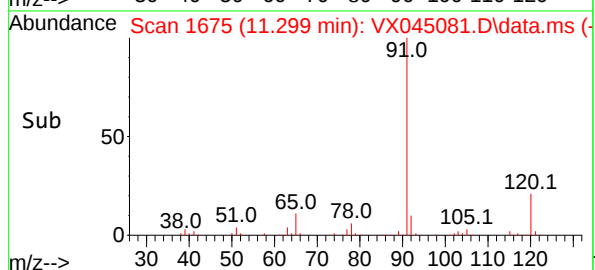
Reviewed By :John Carlone 02/28/2025  
Supervised By :Mahesh Dadoda 03/03/2025

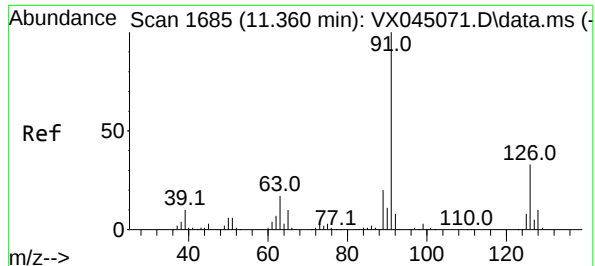


#78  
n-propylbenzene  
Concen: 19.926 ug/l  
RT: 11.299 min Scan# 1675  
Delta R.T. -0.006 min  
Lab File: VX045081.D  
Acq: 28 Feb 2025 12:13



Tgt Ion: 91 Resp: 128893  
Ion Ratio Lower Upper  
91 100  
120 22.2 11.2 33.6





#79

2-Chlorotoluene

Concen: 19.067 ug/l

RT: 11.360 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX045081.D

Acq: 28 Feb 2025 12:13

Instrument :

MSVOA\_X

ClientSampleId :

VX0228WBSD01

Tgt Ion: 91 Resp: 7854

Ion Ratio Lower Upper

91 100

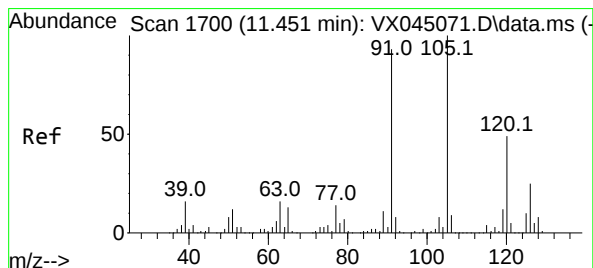
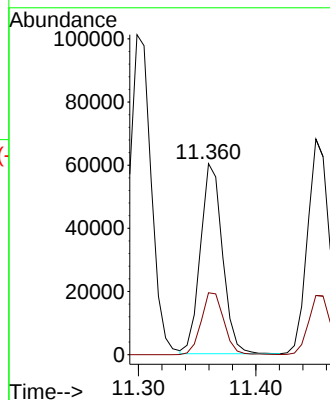
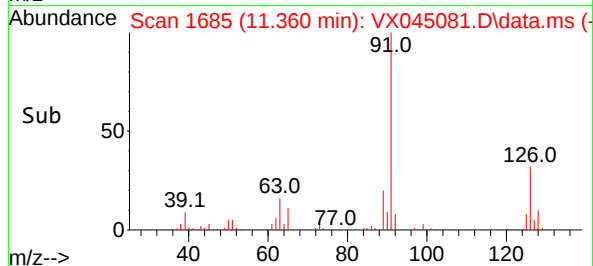
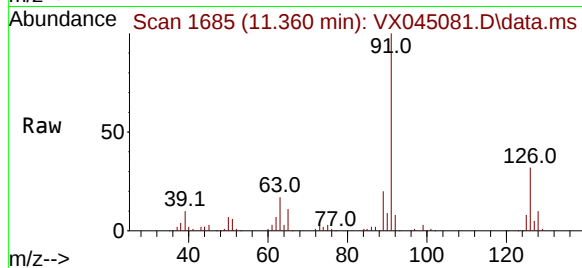
126 33.6 16.4 49.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 03/03/2025



#80

1,3,5-Trimethylbenzene

Concen: 20.095 ug/l

RT: 11.451 min Scan# 1700

Delta R.T. -0.000 min

Lab File: VX045081.D

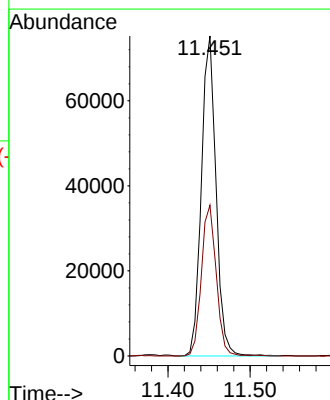
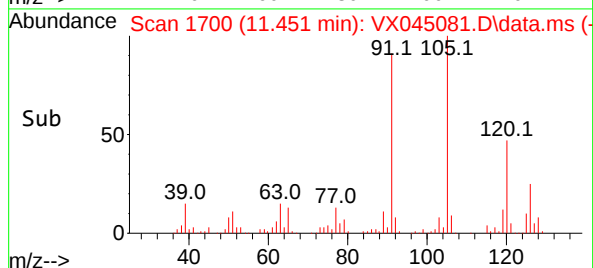
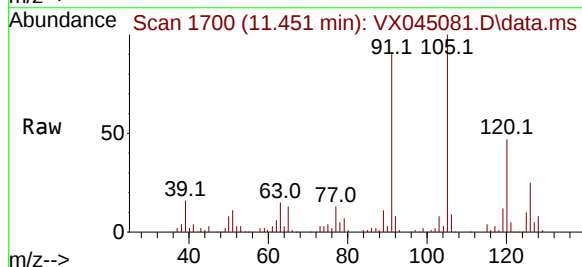
Acq: 28 Feb 2025 12:13

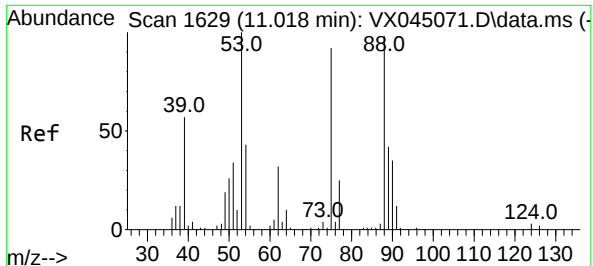
Tgt Ion:105 Resp: 93040

Ion Ratio Lower Upper

105 100

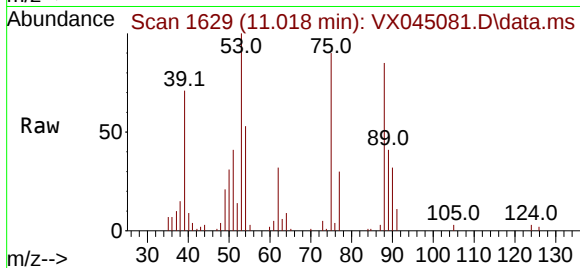
120 47.6 24.1 72.2





#81  
trans-1,4-Dichloro-2-butene  
Concen: 19.501 ug/l  
RT: 11.018 min Scan# 1629  
Delta R.T. -0.000 min  
Lab File: VX045081.D  
Acq: 28 Feb 2025 12:13

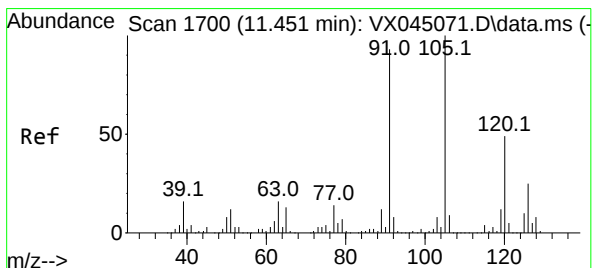
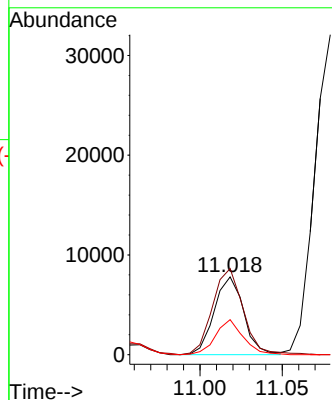
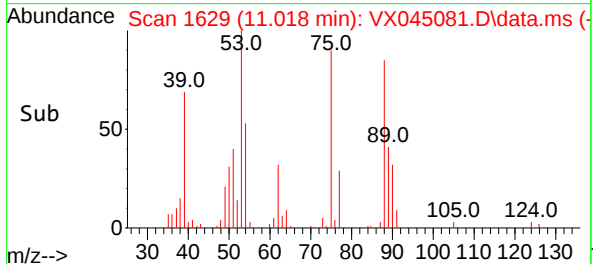
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0228WBSD01



Tgt Ion: 75 Resp: 9730  
Ion Ratio Lower Upper  
75 100  
53 115.4 88.5 132.7  
89 42.2 36.2 54.4

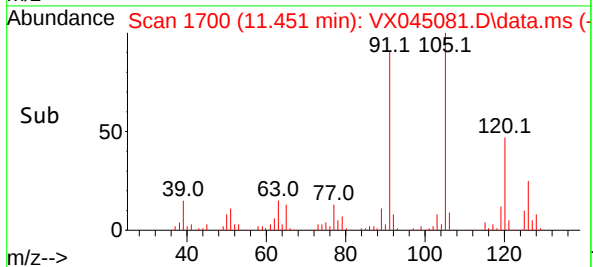
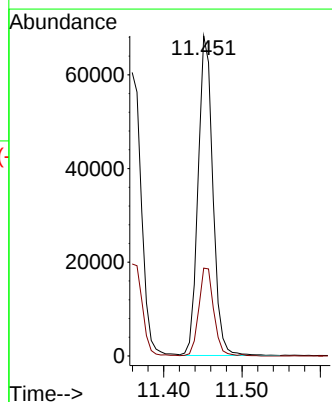
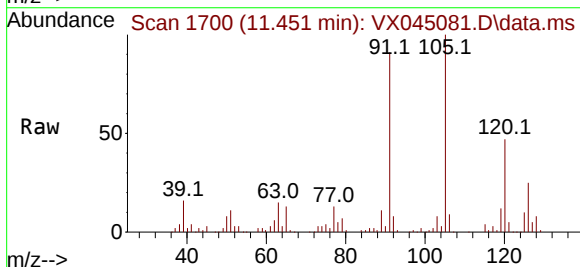
Manual Integrations  
APPROVED

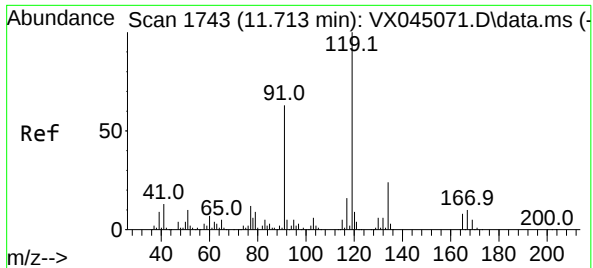
Reviewed By :John Carlone 02/28/2025  
Supervised By :Mahesh Dadoda 03/03/2025



#82  
4-Chlorotoluene  
Concen: 19.907 ug/l  
RT: 11.451 min Scan# 1700  
Delta R.T. -0.000 min  
Lab File: VX045081.D  
Acq: 28 Feb 2025 12:13

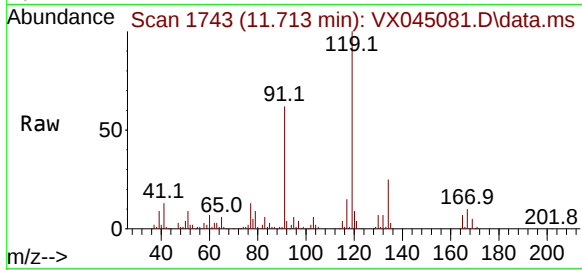
Tgt Ion: 91 Resp: 89378  
Ion Ratio Lower Upper  
91 100  
126 28.0 14.1 42.4





#83  
tert-Butylbenzene  
Concen: 19.310 ug/l  
RT: 11.713 min Scan# 1743  
Delta R.T. -0.000 min  
Lab File: VX045081.D  
Acq: 28 Feb 2025 12:13

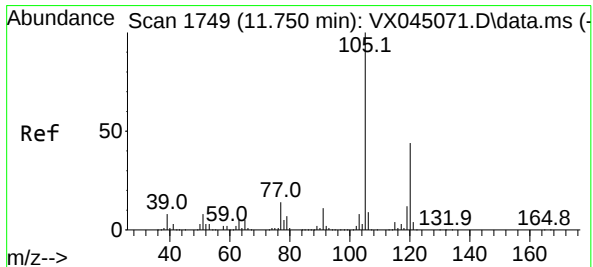
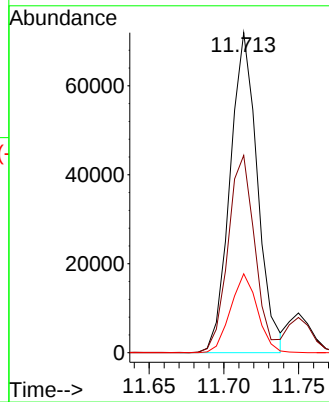
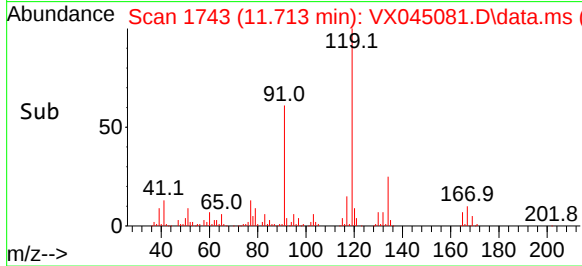
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0228WBSD01



Tgt Ion:119 Resp: 9186  
Ion Ratio Lower Upper  
119 100  
91 60.9 30.7 92.1  
134 24.2 11.7 35.0

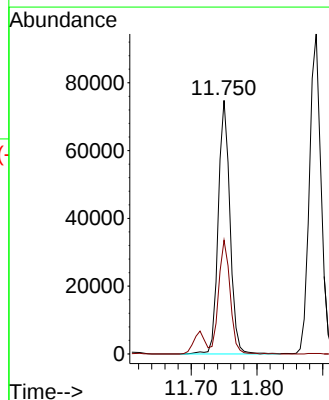
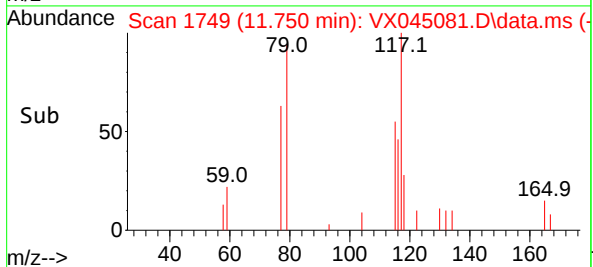
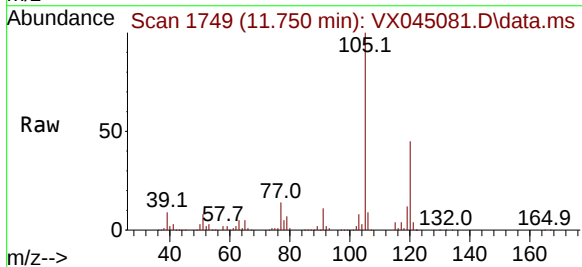
Manual Integrations  
APPROVED

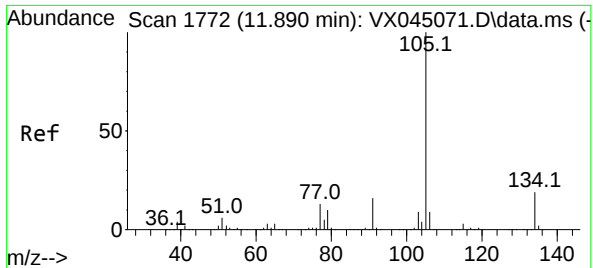
Reviewed By :John Carlone 02/28/2025  
Supervised By :Mahesh Dadoda 03/03/2025



#84  
1,2,4-Trimethylbenzene  
Concen: 19.881 ug/l  
RT: 11.750 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VX045081.D  
Acq: 28 Feb 2025 12:13

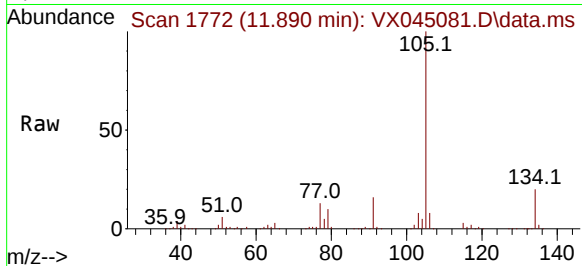
Tgt Ion:105 Resp: 92622  
Ion Ratio Lower Upper  
105 100  
120 44.3 22.1 66.1





#85  
sec-Butylbenzene  
Concen: 20.305 ug/l  
RT: 11.890 min Scan# 1772  
Delta R.T. -0.000 min  
Lab File: VX045081.D  
Acq: 28 Feb 2025 12:13

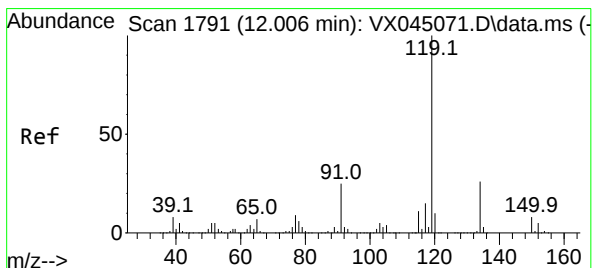
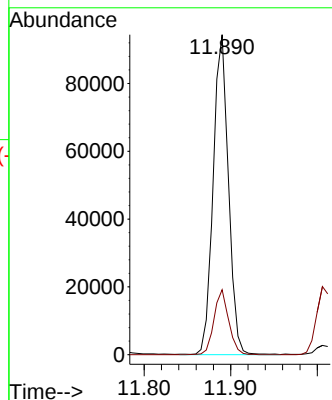
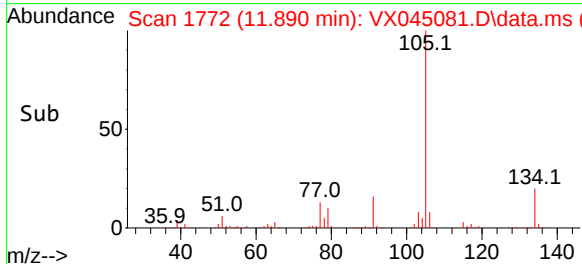
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0228WBSD01



Tgt Ion:105 Resp: 115708  
Ion Ratio Lower Upper  
105 100  
134 19.5 9.8 29.4

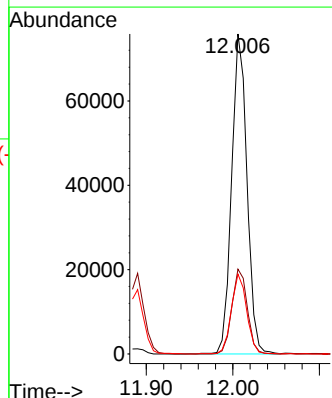
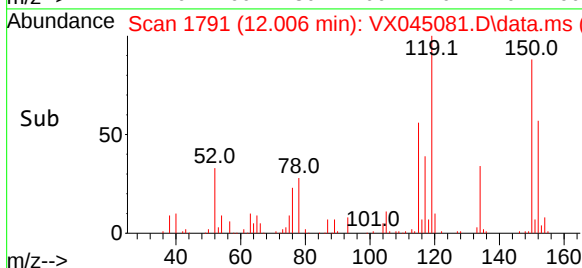
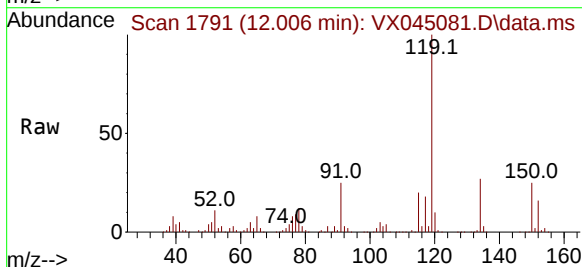
Manual Integrations  
APPROVED

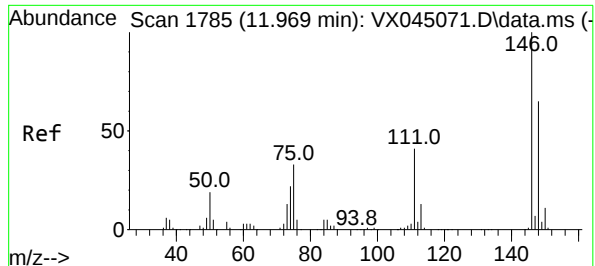
Reviewed By :John Carlone 02/28/2025  
Supervised By :Mahesh Dadoda 03/03/2025



#86  
p-Isopropyltoluene  
Concen: 20.278 ug/l  
RT: 12.006 min Scan# 1791  
Delta R.T. -0.000 min  
Lab File: VX045081.D  
Acq: 28 Feb 2025 12:13

Tgt Ion:119 Resp: 93388  
Ion Ratio Lower Upper  
119 100  
134 26.6 12.9 38.6  
91 25.1 12.7 38.0





#87

1,3-Dichlorobenzene

Concen: 19.510 ug/l

RT: 11.969 min Scan# 1785

Delta R.T. -0.000 min

Lab File: VX045081.D

Acq: 28 Feb 2025 12:13

Instrument :

MSVOA\_X

ClientSampleId :

VX0228WBSD01

Tgt Ion:146 Resp: 47023

Ion Ratio Lower Upper

146 100

111 40.4 21.1 63.4

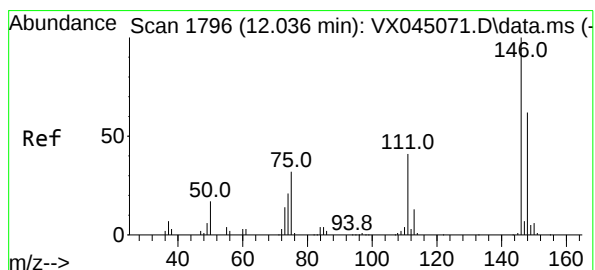
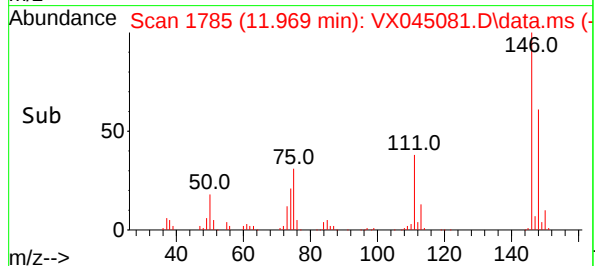
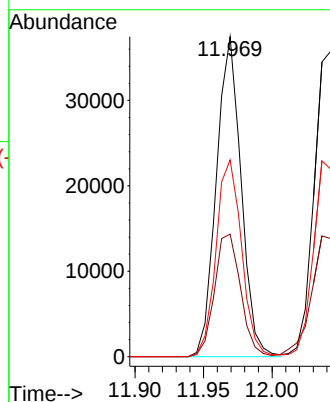
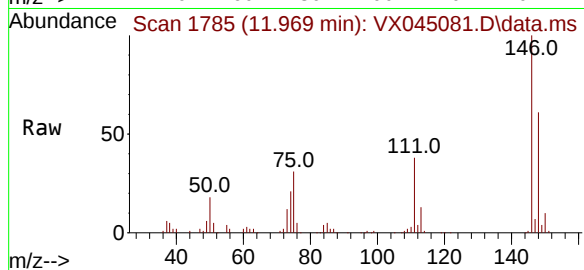
148 63.5 31.9 95.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 03/03/2025



#88

1,4-Dichlorobenzene

Concen: 19.536 ug/l

RT: 12.042 min Scan# 1797

Delta R.T. 0.006 min

Lab File: VX045081.D

Acq: 28 Feb 2025 12:13

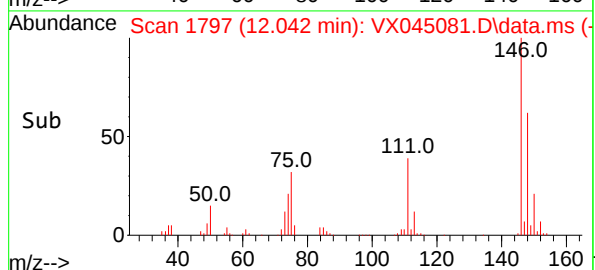
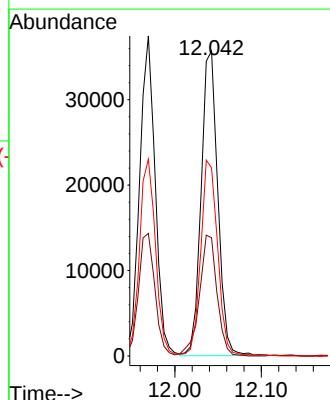
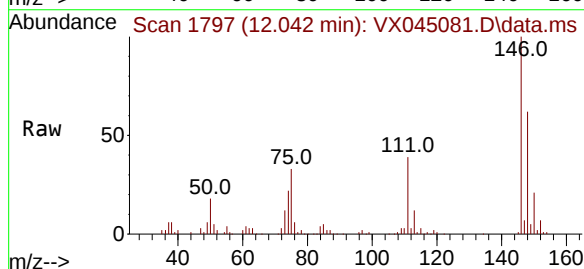
Tgt Ion:146 Resp: 47637

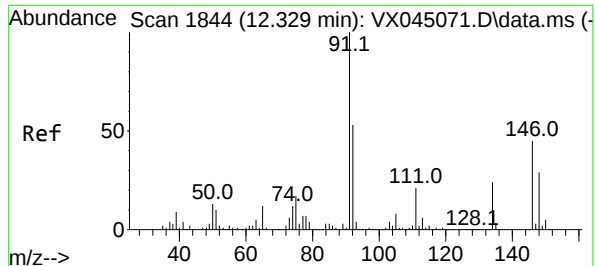
Ion Ratio Lower Upper

146 100

111 41.9 20.2 60.5

148 64.6 31.9 95.9





#89

n-Butylbenzene

Concen: 20.407 ug/l

RT: 12.329 min Scan# 1844

Delta R.T. -0.000 min

Lab File: VX045081.D

Acq: 28 Feb 2025 12:13

Instrument :

MSVOA\_X

ClientSampleId :

VX0228WBSD01

Tgt Ion: 91 Resp: 8094

Ion Ratio Lower Upper

91 100

92 53.7 26.7 80.0

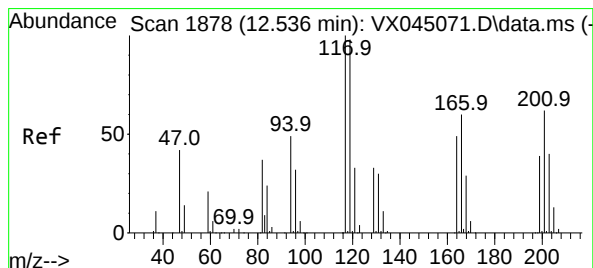
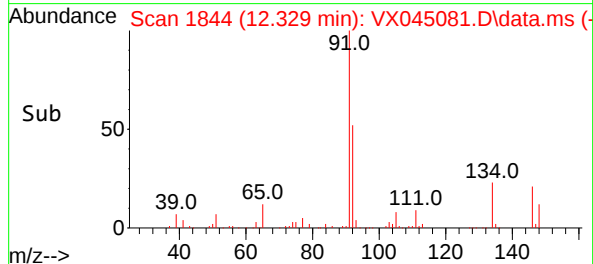
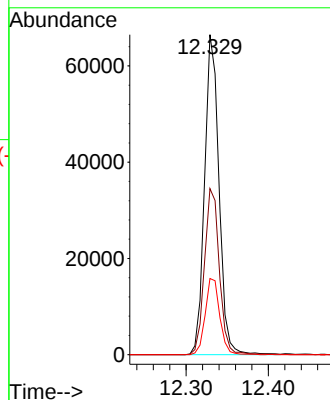
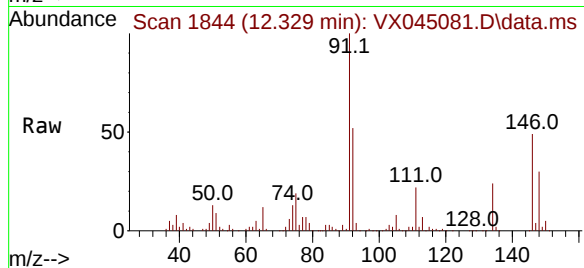
134 24.1 12.2 36.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 02/28/2025

Supervised By :Mahesh Dadoda 03/03/2025



#90

Hexachloroethane

Concen: 18.238 ug/l

RT: 12.536 min Scan# 1878

Delta R.T. -0.000 min

Lab File: VX045081.D

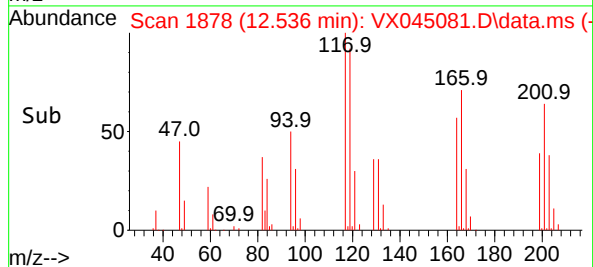
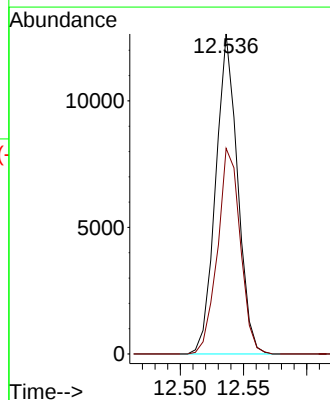
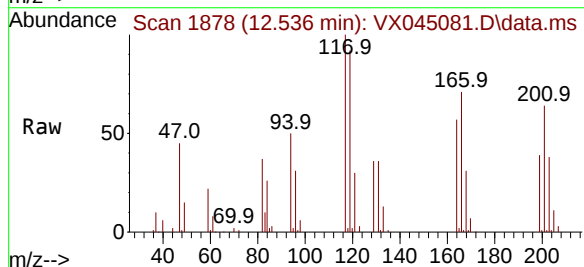
Acq: 28 Feb 2025 12:13

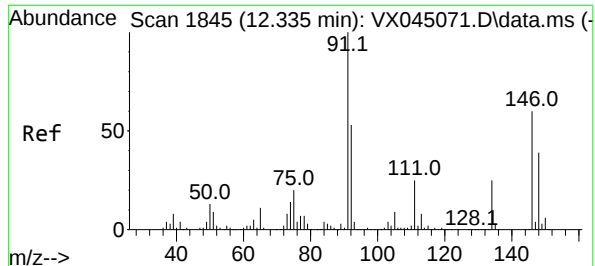
Tgt Ion:117 Resp: 15192

Ion Ratio Lower Upper

117 100

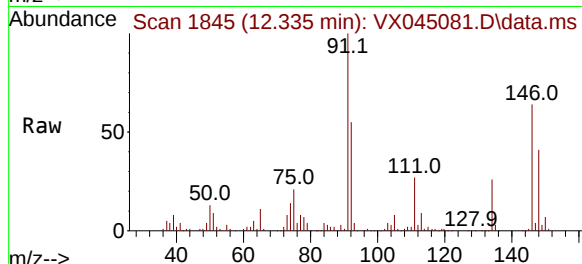
201 66.7 31.9 95.9





#91  
1,2-Dichlorobenzene  
Concen: 19.751 ug/l  
RT: 12.335 min Scan# 1845  
Delta R.T. -0.000 min  
Lab File: VX045081.D  
Acq: 28 Feb 2025 12:13

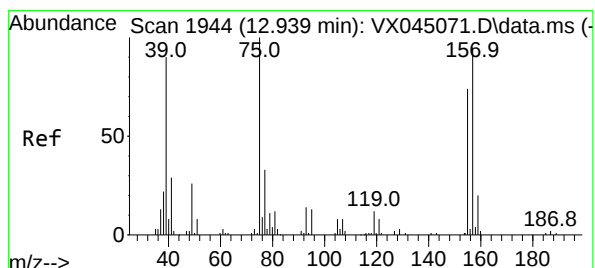
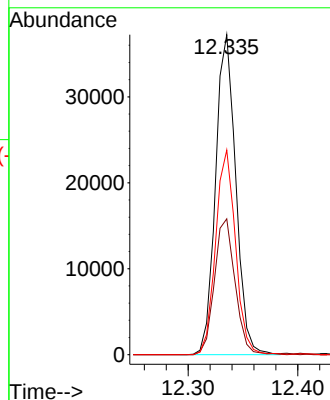
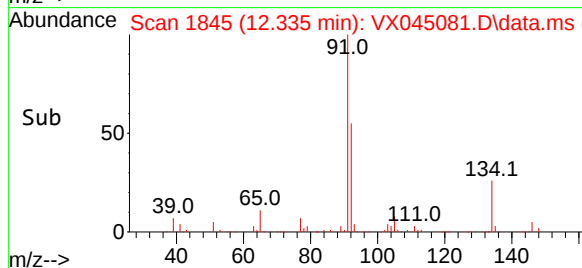
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0228WBSD01



Tgt Ion:146 Resp: 4775  
Ion Ratio Lower Upper  
146 100  
111 43.4 21.6 65.0  
148 63.0 31.9 95.9

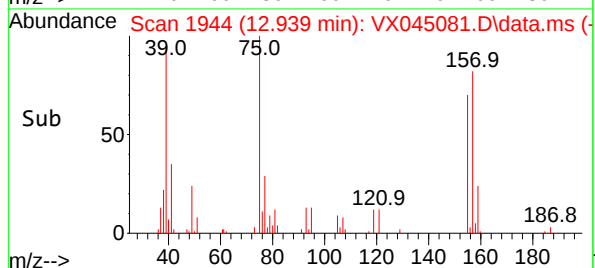
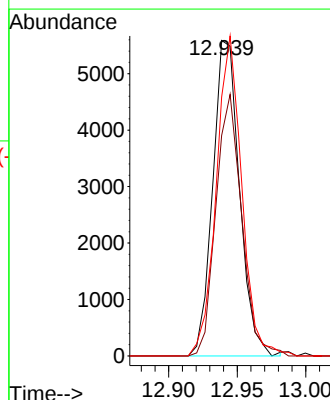
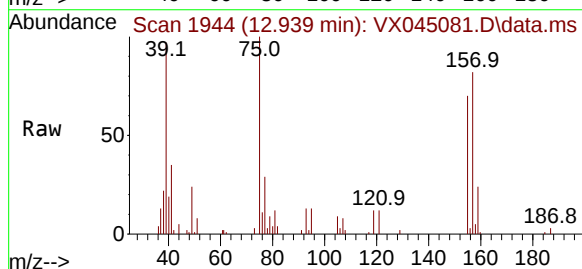
Manual Integrations  
APPROVED

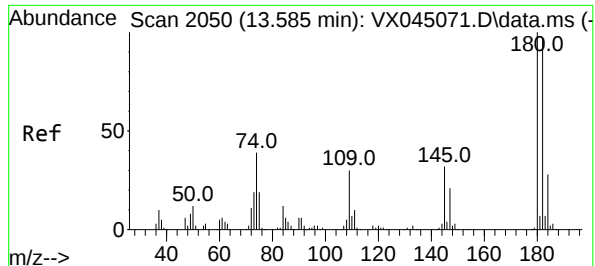
Reviewed By :John Carlone 02/28/2025  
Supervised By :Mahesh Dadoda 03/03/2025



#92  
1,2-Dibromo-3-Chloropropane  
Concen: 18.482 ug/l  
RT: 12.939 min Scan# 1944  
Delta R.T. -0.000 min  
Lab File: VX045081.D  
Acq: 28 Feb 2025 12:13

Tgt Ion: 75 Resp: 7566  
Ion Ratio Lower Upper  
75 100  
155 80.3 39.6 118.7  
157 96.8 51.1 153.4





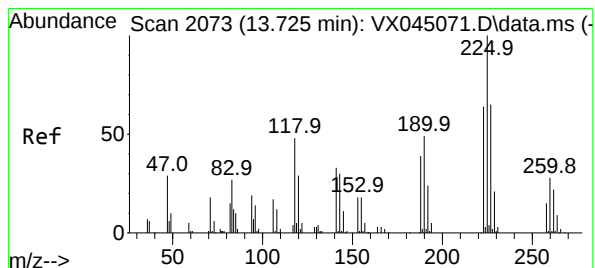
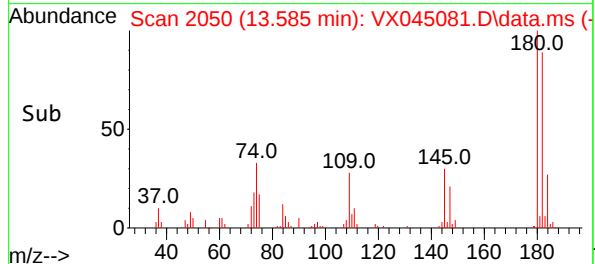
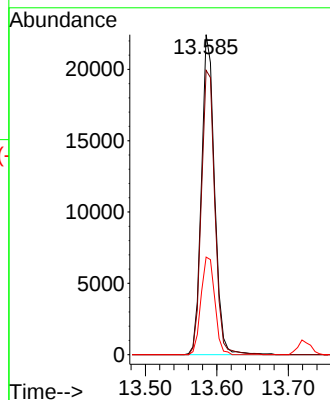
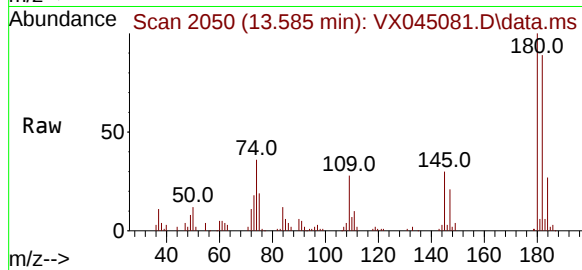
#93  
1,2,4-Trichlorobenzene  
Concen: 20.719 ug/l  
RT: 13.585 min Scan# 2050  
Delta R.T. -0.000 min  
Lab File: VX045081.D  
Acq: 28 Feb 2025 12:13

Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0228WBSD01

Tgt Ion:180 Resp: 28524  
Ion Ratio Lower Upper  
180 100  
182 91.2 47.3 141.9  
145 32.1 16.3 48.9

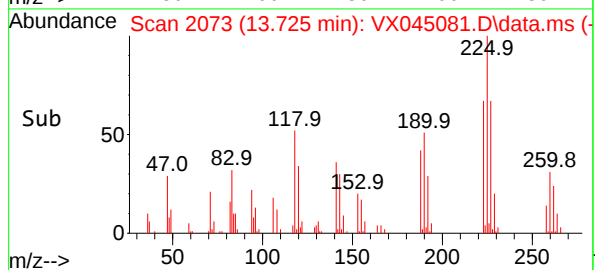
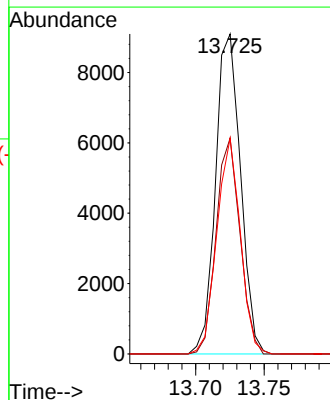
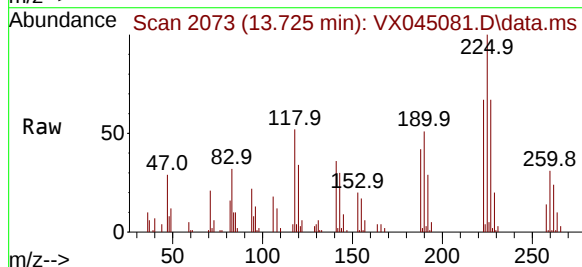
Manual Integrations  
APPROVED

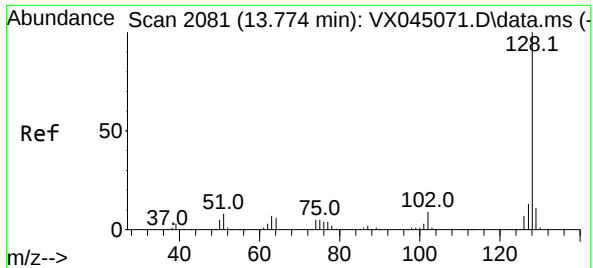
Reviewed By :John Carlone 02/28/2025  
Supervised By :Mahesh Dadoda 03/03/2025



#94  
Hexachlorobutadiene  
Concen: 20.409 ug/l  
RT: 13.725 min Scan# 2073  
Delta R.T. -0.000 min  
Lab File: VX045081.D  
Acq: 28 Feb 2025 12:13

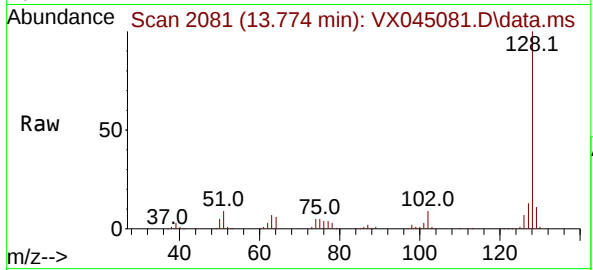
Tgt Ion:225 Resp: 11519  
Ion Ratio Lower Upper  
225 100  
223 64.5 31.9 95.7  
227 63.3 31.4 94.0





#95  
Naphthalene  
Concen: 20.074 ug/l  
RT: 13.774 min Scan# 2081  
Delta R.T. -0.000 min  
Lab File: VX045081.D  
Acq: 28 Feb 2025 12:13

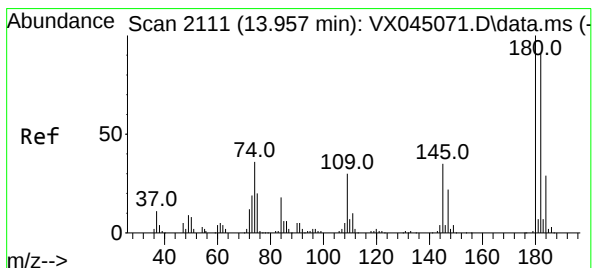
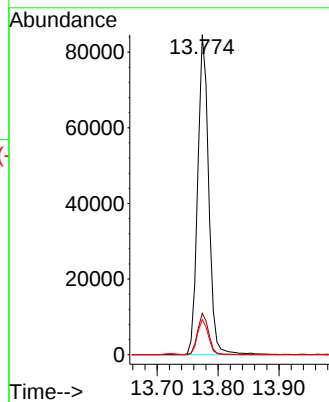
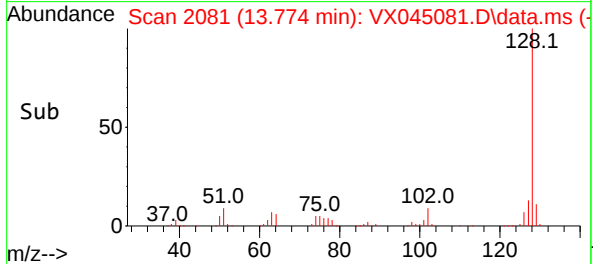
Instrument :  
MSVOA\_X  
ClientSampleId :  
VX0228WBSD01



Tgt Ion:128 Resp: 106178  
Ion Ratio Lower Upper  
128 100  
127 13.0 10.3 15.5  
129 10.7 8.7 13.1

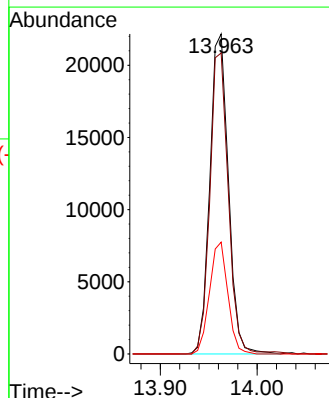
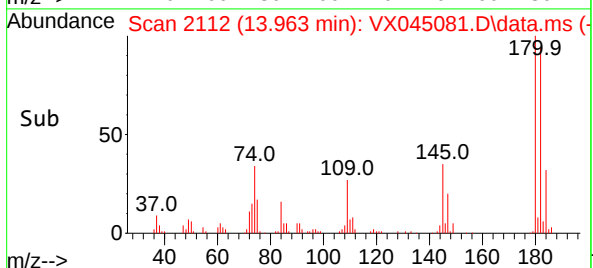
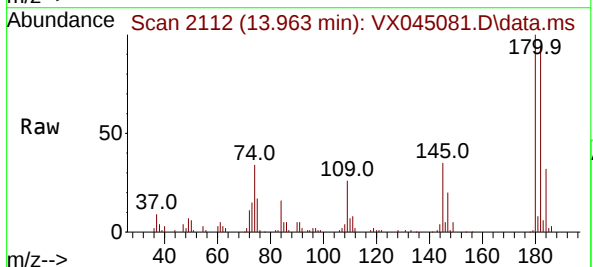
Manual Integrations  
APPROVED

Reviewed By :John Carlone 02/28/2025  
Supervised By :Mahesh Dadoda 03/03/2025



#96  
1,2,3-Trichlorobenzene  
Concen: 20.355 ug/l  
RT: 13.963 min Scan# 2112  
Delta R.T. 0.006 min  
Lab File: VX045081.D  
Acq: 28 Feb 2025 12:13

Tgt Ion:180 Resp: 29563  
Ion Ratio Lower Upper  
180 100  
182 93.8 47.5 142.6  
145 34.6 17.0 50.9



## Manual Integration Report

|           |          |            |         |
|-----------|----------|------------|---------|
| Sequence: | VX022825 | Instrument | MSVOA_x |
|-----------|----------|------------|---------|

| Sample ID   | File ID    | Parameter              | Review By | Review On                | Supervised By | Supervised On            | Reason                      |
|-------------|------------|------------------------|-----------|--------------------------|---------------|--------------------------|-----------------------------|
| VSTDICC001  | VX045068.D | 1,2,3-Trichloropropane | JOHN      | 2/28/2025<br>10:05:09 AM | MMDadoda      | 2/28/2025<br>11:09:31 AM | Peak Integrated by Software |
| VSTDICC001  | VX045068.D | 1,4-Dichlorobenzene    | JOHN      | 2/28/2025<br>10:05:09 AM | MMDadoda      | 2/28/2025<br>11:09:31 AM | Peak Integrated by Software |
| VSTDICC001  | VX045068.D | Carbon Tetrachloride   | JOHN      | 2/28/2025<br>10:05:09 AM | MMDadoda      | 2/28/2025<br>11:09:31 AM | Peak Integrated by Software |
| VSTDICC001  | VX045068.D | Chloroethane           | JOHN      | 2/28/2025<br>10:05:09 AM | MMDadoda      | 2/28/2025<br>11:09:31 AM | Peak Integrated by Software |
| VSTDICC001  | VX045068.D | Ethyl Acetate          | JOHN      | 2/28/2025<br>10:05:09 AM | MMDadoda      | 2/28/2025<br>11:09:31 AM | Peak Integrated by Software |
| VSTDICC001  | VX045068.D | Methacrylonitrile      | JOHN      | 2/28/2025<br>10:05:09 AM | MMDadoda      | 2/28/2025<br>11:09:31 AM | Peak Integrated by Software |
| VSTDICC001  | VX045068.D | Methyl methacrylate    | JOHN      | 2/28/2025<br>10:05:09 AM | MMDadoda      | 2/28/2025<br>11:09:31 AM | Peak Integrated by Software |
| VSTDICC005  | VX045069.D | 1,2,3-Trichloropropane | JOHN      | 2/28/2025<br>10:05:14 AM | MMDadoda      | 2/28/2025<br>11:09:31 AM | Peak Integrated by Software |
| VSTDICC005  | VX045069.D | Tert butyl alcohol     | JOHN      | 2/28/2025<br>10:05:14 AM | MMDadoda      | 2/28/2025<br>11:09:31 AM | Peak Integrated by Software |
| VSTDICC020  | VX045070.D | 1,2,3-Trichloropropane | JOHN      | 2/28/2025<br>10:05:21 AM | MMDadoda      | 2/28/2025<br>11:09:33 AM | Peak Integrated by Software |
| VSTDICCC050 | VX045071.D | 1,2,3-Trichloropropane | JOHN      | 2/28/2025<br>10:05:25 AM | MMDadoda      | 2/28/2025<br>11:09:35 AM | Peak Integrated by Software |
| VSTDICC100  | VX045072.D | 1,2,3-Trichloropropane | JOHN      | 2/28/2025<br>10:05:30 AM | MMDadoda      | 2/28/2025<br>11:09:37 AM | Peak Integrated by Software |
| VSTDICC150  | VX045073.D | 1,2,3-Trichloropropane | JOHN      | 2/28/2025<br>10:05:33 AM | MMDadoda      | 2/28/2025<br>11:09:42 AM | Peak Integrated by Software |

## Manual Integration Report

|           |          |            |         |
|-----------|----------|------------|---------|
| Sequence: | VX022825 | Instrument | MSVOA_x |
|-----------|----------|------------|---------|

| Sample ID        | File ID    | Parameter              | Review By | Review On                | Supervised By | Supervised On            | Reason                      |
|------------------|------------|------------------------|-----------|--------------------------|---------------|--------------------------|-----------------------------|
| VSTDICV050       | VX045075.D | 1,2,3-Trichloropropane | JOHN      | 2/28/2025<br>10:05:38 AM | MMDadoda      | 2/28/2025<br>11:09:44 AM | Peak Integrated by Software |
| VSTDCCC050       | VX045077.D | 1,2,3-Trichloropropane | JOHN      | 3/3/2025 8:20:45<br>AM   | MMDadoda      | 3/3/2025 1:49:43<br>PM   | Peak Integrated by Software |
| VSTDCCC050       | VX045077.D | Tert butyl alcohol     | JOHN      | 3/3/2025 8:20:45<br>AM   | MMDadoda      | 3/3/2025 1:49:43<br>PM   | Peak Integrated by Software |
| VX0228WBS01      | VX045080.D | 1,2,3-Trichloropropane | JOHN      | 2/28/2025 2:52:34<br>PM  | MMDadoda      | 3/3/2025 1:49:45<br>PM   | Peak Integrated by Software |
| VX0228WBSD0<br>1 | VX045081.D | 1,2,3-Trichloropropane | JOHN      | 2/28/2025 2:52:37<br>PM  | MMDadoda      | 3/3/2025 1:49:47<br>PM   | Peak Integrated by Software |
| Q1462-01         | VX045096.D | p-Isopropyltoluene     | JOHN      | 3/3/2025 8:20:50<br>AM   | MMDadoda      | 3/3/2025 1:49:49<br>PM   | Peak Integrated by Software |
| VSTDCCC050       | VX045098.D | 1,2,3-Trichloropropane | JOHN      | 3/3/2025 8:20:59<br>AM   | MMDadoda      | 3/3/2025 1:49:50<br>PM   | Peak Integrated by Software |

Instrument ID: **MSVOA\_X**

**Daily Analysis Runlog For Sequence/QC Batch ID # VX022825**

|                          |                                                       |                   |                                   |
|--------------------------|-------------------------------------------------------|-------------------|-----------------------------------|
| Review By                | Mahesh Dadoda                                         | Review On         | 2/28/2025 11:09:50 AM             |
| Supervise By             | Semsettin Yesilyurt                                   | Supervise On      | 2/28/2025 11:11:09 AM             |
| SubDirectory             | VX022825                                              | HP Acquire Method | HP Processing Method 82X022825W.M |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                      |                   |                                   |
| Tune/Reschk              | VP133187,VP133189                                     |                   |                                   |
| Initial Calibration Stds | VP133194,VP133195,VP133196,VP133197,VP133198,VP133199 |                   |                                   |
| CCC                      | VP133188,VP133190                                     |                   |                                   |
| Internal Standard/PEM    |                                                       |                   |                                   |
| ICV/I.BLK                | VP133200                                              |                   |                                   |
| Surrogate Standard       |                                                       |                   |                                   |
| MS/MSD Standard          |                                                       |                   |                                   |
| LCS Standard             |                                                       |                   |                                   |

| Sr# | SampleId     | Data File Name | Date-Time         | Operator | Status |
|-----|--------------|----------------|-------------------|----------|--------|
| 1   | BFB          | VX045067.D     | 28 Feb 2025 01:03 | JC/MD    | Ok     |
| 2   | VSTDIC001    | VX045068.D     | 28 Feb 2025 01:27 | JC/MD    | Ok,M   |
| 3   | VSTDIC005    | VX045069.D     | 28 Feb 2025 02:13 | JC/MD    | Ok,M   |
| 4   | VSTDIC020    | VX045070.D     | 28 Feb 2025 02:37 | JC/MD    | Ok,M   |
| 5   | VSTDIC050    | VX045071.D     | 28 Feb 2025 03:00 | JC/MD    | Ok,M   |
| 6   | VSTDIC100    | VX045072.D     | 28 Feb 2025 03:23 | JC/MD    | Ok,M   |
| 7   | VSTDIC150    | VX045073.D     | 28 Feb 2025 03:47 | JC/MD    | Ok,M   |
| 8   | IBLK         | VX045074.D     | 28 Feb 2025 04:10 | JC/MD    | Ok     |
| 9   | VSTDICV050   | VX045075.D     | 28 Feb 2025 04:33 | JC/MD    | Ok,M   |
| 10  | BFB          | VX045076.D     | 28 Feb 2025 10:03 | JC/MD    | Ok     |
| 11  | VSTDIC050    | VX045077.D     | 28 Feb 2025 10:32 | JC/MD    | Ok,M   |
| 12  | VX0228MBL01  | VX045078.D     | 28 Feb 2025 11:00 | JC/MD    | Ok     |
| 13  | VX0228WBL01  | VX045079.D     | 28 Feb 2025 11:23 | JC/MD    | Ok     |
| 14  | VX0228WBS01  | VX045080.D     | 28 Feb 2025 11:46 | JC/MD    | Ok,M   |
| 15  | VX0228WBSD01 | VX045081.D     | 28 Feb 2025 12:13 | JC/MD    | Ok,M   |
| 16  | Q1401-03     | VX045082.D     | 28 Feb 2025 12:37 | JC/MD    | Ok     |
| 17  | Q1401-06     | VX045083.D     | 28 Feb 2025 13:00 | JC/MD    | Ok     |
| 18  | Q1423-01     | VX045084.D     | 28 Feb 2025 13:23 | JC/MD    | Ok     |
| 19  | Q1423-03     | VX045085.D     | 28 Feb 2025 13:47 | JC/MD    | Ok     |
| 20  | Q1403-01     | VX045086.D     | 28 Feb 2025 14:10 | JC/MD    | Ok     |
| 21  | Q1403-02     | VX045087.D     | 28 Feb 2025 14:33 | JC/MD    | Ok     |

Instrument ID: **MSVOA\_X**

**Daily Analysis Runlog For Sequence/QC Batch ID # VX022825**

| Review By                | Mahesh Dadoda                                         | Review On         | 2/28/2025 11:09:50 AM             |
|--------------------------|-------------------------------------------------------|-------------------|-----------------------------------|
| Supervise By             | Semsettin Yesilyurt                                   | Supervise On      | 2/28/2025 11:11:09 AM             |
| SubDirectory             | VX022825                                              | HP Acquire Method | HP Processing Method 82X022825W.M |
| STD. NAME                | STD REF.#                                             |                   |                                   |
| Tune/Reschk              | VP133187,VP133189                                     |                   |                                   |
| Initial Calibration Stds | VP133194,VP133195,VP133196,VP133197,VP133198,VP133199 |                   |                                   |
| CCC                      | VP133188,VP133190                                     |                   |                                   |
| Internal Standard/PEM    |                                                       |                   |                                   |
| ICV/I.BLK                | VP133200                                              |                   |                                   |
| Surrogate Standard       |                                                       |                   |                                   |
| MS/MSD Standard          |                                                       |                   |                                   |
| LCS Standard             |                                                       |                   |                                   |

|    |            |            |                   |       |      |
|----|------------|------------|-------------------|-------|------|
| 22 | Q1435-01   | VX045088.D | 28 Feb 2025 14:57 | JC/MD | Ok   |
| 23 | Q1403-04   | VX045089.D | 28 Feb 2025 15:20 | JC/MD | Ok   |
| 24 | Q1462-02   | VX045090.D | 28 Feb 2025 15:44 | JC/MD | Ok   |
| 25 | Q1469-01   | VX045091.D | 28 Feb 2025 16:07 | JC/MD | Ok   |
| 26 | Q1469-02   | VX045092.D | 28 Feb 2025 16:31 | JC/MD | Ok   |
| 27 | Q1469-03   | VX045093.D | 28 Feb 2025 16:54 | JC/MD | Ok   |
| 28 | Q1469-04   | VX045094.D | 28 Feb 2025 17:17 | JC/MD | Ok   |
| 29 | Q1403-03   | VX045095.D | 28 Feb 2025 17:41 | JC/MD | Ok   |
| 30 | Q1462-01   | VX045096.D | 28 Feb 2025 18:04 | JC/MD | Ok,M |
| 31 | IBLK       | VX045097.D | 28 Feb 2025 18:27 | JC/MD | Ok   |
| 32 | VSTDCCC050 | VX045098.D | 28 Feb 2025 18:50 | JC/MD | Ok,M |

M : Manual Integration

Instrument ID: MSVOA\_X

**Daily Analysis Runlog For Sequence/QC Batch ID # VX022825**

|                          |                                                       |                   |                                   |
|--------------------------|-------------------------------------------------------|-------------------|-----------------------------------|
| Review By                | Mahesh Dadoda                                         | Review On         | 2/28/2025 11:09:50 AM             |
| Supervise By             | Semsettin Yesilyurt                                   | Supervise On      | 2/28/2025 11:11:09 AM             |
| SubDirectory             | VX022825                                              | HP Acquire Method | HP Processing Method 82X022825W.M |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                      |                   |                                   |
| Tune/Reschk              | VP133187,VP133189                                     |                   |                                   |
| Initial Calibration Stds | VP133194,VP133195,VP133196,VP133197,VP133198,VP133199 |                   |                                   |
| CCC                      | VP133188,VP133190                                     |                   |                                   |
| Internal Standard/PEM    |                                                       |                   |                                   |
| ICV/I.BLK                | VP133200                                              |                   |                                   |
| Surrogate Standard       |                                                       |                   |                                   |
| MS/MSD Standard          |                                                       |                   |                                   |
| LCS Standard             |                                                       |                   |                                   |

| Sr# | SampleID     | ClientID            | Data File Name | Date-Time         | Comment        | Operator | Status |
|-----|--------------|---------------------|----------------|-------------------|----------------|----------|--------|
| 1   | BFB          | BFB                 | VX045067.D     | 28 Feb 2025 01:03 |                | JC/MD    | Ok     |
| 2   | VSTDICC001   | VSTDICC001          | VX045068.D     | 28 Feb 2025 01:27 |                | JC/MD    | Ok,M   |
| 3   | VSTDICC005   | VSTDICC005          | VX045069.D     | 28 Feb 2025 02:13 |                | JC/MD    | Ok,M   |
| 4   | VSTDICC020   | VSTDICC020          | VX045070.D     | 28 Feb 2025 02:37 |                | JC/MD    | Ok,M   |
| 5   | VSTDICCC050  | VSTDICCC050         | VX045071.D     | 28 Feb 2025 03:00 |                | JC/MD    | Ok,M   |
| 6   | VSTDICC100   | VSTDICC100          | VX045072.D     | 28 Feb 2025 03:23 |                | JC/MD    | Ok,M   |
| 7   | VSTDICC150   | VSTDICC150          | VX045073.D     | 28 Feb 2025 03:47 |                | JC/MD    | Ok,M   |
| 8   | IBLK         | IBLK                | VX045074.D     | 28 Feb 2025 04:10 |                | JC/MD    | Ok     |
| 9   | VSTDICV050   | ICVVX022825         | VX045075.D     | 28 Feb 2025 04:33 |                | JC/MD    | Ok,M   |
| 10  | BFB          | BFB                 | VX045076.D     | 28 Feb 2025 10:03 |                | JC/MD    | Ok     |
| 11  | VSTDCCC050   | VSTDCCC050          | VX045077.D     | 28 Feb 2025 10:32 | V13516         | JC/MD    | Ok,M   |
| 12  | VX0228MBL01  | VX0228MBL01         | VX045078.D     | 28 Feb 2025 11:00 |                | JC/MD    | Ok     |
| 13  | VX0228WBL01  | VX0228WBL01         | VX045079.D     | 28 Feb 2025 11:23 |                | JC/MD    | Ok     |
| 14  | VX0228WBS01  | VX0228WBS01         | VX045080.D     | 28 Feb 2025 11:46 |                | JC/MD    | Ok,M   |
| 15  | VX0228WBSD01 | VX0228WBSD01        | VX045081.D     | 28 Feb 2025 12:13 |                | JC/MD    | Ok,M   |
| 16  | Q1401-03     | BP-VPB-192-GW-840-8 | VX045082.D     | 28 Feb 2025 12:37 | vial B pH<2    | JC/MD    | Ok     |
| 17  | Q1401-06     | BP-VPB-192-GW-900-9 | VX045083.D     | 28 Feb 2025 13:00 | vial B pH<2    | JC/MD    | Ok     |
| 18  | Q1423-01     | BP-VPB-192-TB-20250 | VX045084.D     | 28 Feb 2025 13:23 | vial B pH<2 TB | JC/MD    | Ok     |

Instrument ID: MSVOA\_X

**Daily Analysis Runlog For Sequence/QC Batch ID # VX022825**

|                          |                                                       |                   |                                   |
|--------------------------|-------------------------------------------------------|-------------------|-----------------------------------|
| Review By                | Maresh Dadoda                                         | Review On         | 2/28/2025 11:09:50 AM             |
| Supervise By             | Semsettin Yesilyurt                                   | Supervise On      | 2/28/2025 11:11:09 AM             |
| SubDirectory             | VX022825                                              | HP Acquire Method | HP Processing Method 82X022825W.M |
| <b>STD. NAME</b>         | <b>STD REF.#</b>                                      |                   |                                   |
| Tune/Reschk              | VP133187,VP133189                                     |                   |                                   |
| Initial Calibration Stds | VP133194,VP133195,VP133196,VP133197,VP133198,VP133199 |                   |                                   |
| CCC                      | VP133188,VP133190                                     |                   |                                   |
| Internal Standard/PEM    |                                                       |                   |                                   |
| ICV/I.BLK                | VP133200                                              |                   |                                   |
| Surrogate Standard       |                                                       |                   |                                   |
| MS/MSD Standard          |                                                       |                   |                                   |
| LCS Standard             |                                                       |                   |                                   |

|    |            |                       |            |                   |                |       |      |
|----|------------|-----------------------|------------|-------------------|----------------|-------|------|
| 19 | Q1423-03   | BP-VPB-192-EB-20250   | VX045085.D | 28 Feb 2025 13:47 | vial B pH<2 EB | JC/MD | Ok   |
| 20 | Q1403-01   | Storage-Blank-SOIL-RE | VX045086.D | 28 Feb 2025 14:10 | vial B pH<2    | JC/MD | Ok   |
| 21 | Q1403-02   | Storage-Blank-WATER-  | VX045087.D | 28 Feb 2025 14:33 | vial B pH<2    | JC/MD | Ok   |
| 22 | Q1435-01   | 286107                | VX045088.D | 28 Feb 2025 14:57 | vial A pH<2    | JC/MD | Ok   |
| 23 | Q1403-04   | Storage-Blank-SAMPLE  | VX045089.D | 28 Feb 2025 15:20 | vial B pH<2    | JC/MD | Ok   |
| 24 | Q1462-02   | FB                    | VX045090.D | 28 Feb 2025 15:44 | vial A pH<2 FB | JC/MD | Ok   |
| 25 | Q1469-01   | Storage-Blank-SOIL-RE | VX045091.D | 28 Feb 2025 16:07 | vial A pH<2    | JC/MD | Ok   |
| 26 | Q1469-02   | Storage-Blank-WATER-  | VX045092.D | 28 Feb 2025 16:31 | vial A pH<2    | JC/MD | Ok   |
| 27 | Q1469-03   | Storage-Blank-WATER-  | VX045093.D | 28 Feb 2025 16:54 | vial A pH<2    | JC/MD | Ok   |
| 28 | Q1469-04   | Storage-Blank-SAMPLE  | VX045094.D | 28 Feb 2025 17:17 | vial A pH<2    | JC/MD | Ok   |
| 29 | Q1403-03   | Storage-Blank-WATER-  | VX045095.D | 28 Feb 2025 17:41 | vial B pH<2    | JC/MD | Ok   |
| 30 | Q1462-01   | MW2                   | VX045096.D | 28 Feb 2025 18:04 | vial A pH<2    | JC/MD | Ok,M |
| 31 | IBLK       | IBLK                  | VX045097.D | 28 Feb 2025 18:27 |                | JC/MD | Ok   |
| 32 | VSTDCCC050 | VSTDCCC050EC          | VX045098.D | 28 Feb 2025 18:50 |                | JC/MD | Ok,M |

M : Manual Integration

## LAB CHRONICLE

|                 |                 |                   |                      |
|-----------------|-----------------|-------------------|----------------------|
| <b>OrderID:</b> | Q1462           | <b>OrderDate:</b> | 2/27/2025 3:23:46 PM |
| <b>Client:</b>  | G Environmental | <b>Project:</b>   | Lawel                |
| <b>Contact:</b> | Gary Landis     | <b>Location:</b>  | VOA Ref. #3 Water    |

| LabID    | ClientID | Matrix | Test         | Method   | Sample Date | Prep Date | Anal Date | Received |
|----------|----------|--------|--------------|----------|-------------|-----------|-----------|----------|
| Q1462-01 | MW2      | Water  | VOCMS Group2 | 8260-Low | 02/27/25    |           | 02/28/25  | 02/27/25 |
| Q1462-02 | FB       | Water  | VOCMS Group2 | 8260-Low | 02/27/25    |           | 02/28/25  | 02/27/25 |