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

# Hit Summary Sheet
**SW-846**

**SDG No.:** Q1331

**Client:** G Environmental

| Sample ID | Client ID | Matrix | Parameter | | Concentration | C | MDL | RDL | Units |
|---|---|---|---|---|---|---|---|---|---|
| **Client ID:** | **MW1R** | | | | | | | | |
| Q1331-01 | MW1R | Water | Acetone | | 9.50 | | 1.40 | 5.00 | ug/L |
| Q1331-01 | MW1R | Water | 2-Butanone | | 1.70 | J | 1.30 | 5.00 | ug/L |
| Q1331-01 | MW1R | Water | Ethyl Benzene | | 0.25 | J | 0.16 | 1.00 | ug/L |
| Q1331-01 | MW1R | Water | m/p-Xylenes | | 0.64 | J | 0.31 | 2.00 | ug/L |
| Q1331-01 | MW1R | Water | o-Xylene | | 0.25 | J | 0.14 | 1.00 | ug/L |
| Q1331-01 | MW1R | Water | Isopropylbenzene | | 2.40 | | 0.13 | 1.00 | ug/L |
| | | | **Total Voc :** | | 14.7 | | | | |
| Q1331-01 | MW1R | Water | 1(2H)-Naphthalenone, 3,4-dihy | * | 56.0 | J | 0 | 0 | ug/L |
| Q1331-01 | MW1R | Water | 1H-Indene, 2,3-dihydro-4-meth | * | 140 | J | 0 | 0 | ug/L |
| Q1331-01 | MW1R | Water | Naphthalene, 1,2,3,4-tetrahydrc | * | 77.9 | J | 0 | 0 | ug/L |
| Q1331-01 | MW1R | Water | Naphthalene, 1,2,3,4-tetrahydrc | * | 68.7 | J | 0 | 0 | ug/L |
| Q1331-01 | MW1R | Water | Naphthalene, 1,2,3,4-tetrahydrc | * | 38.0 | J | 0 | 0 | ug/L |
| Q1331-01 | MW1R | Water | Naphthalene, 1,2,3,4-tetrahydrc | * | 35.8 | J | 0 | 0 | ug/L |
| Q1331-01 | MW1R | Water | 1H-Indene, 2,3-dihydro-1,1-din | * | 53.8 | J | 0 | 0 | ug/L |
| Q1331-01 | MW1R | Water | 1H-Indene, 2,3-dihydro-4,7-din | * | 35.3 | J | 0 | 0 | ug/L |
| Q1331-01 | MW1R | Water | Benzene, 1-ethenyl-3-ethyl- | * | 55.8 | J | 0 | 0 | ug/L |
| Q1331-01 | MW1R | Water | Benzene, (2-methyl-1-butenyl)- | * | 42.0 | J | 0 | 0 | ug/L |
| Q1331-01 | MW1R | Water | n-propylbenzene | * | 0.55 | J | 0.14 | 1.00 | ug/L |
| Q1331-01 | MW1R | Water | 1,2,4-Trimethylbenzene | * | 0.74 | J | 0.18 | 1.00 | ug/L |
| Q1331-01 | MW1R | Water | sec-Butylbenzene | * | 3.50 | J | 0.17 | 1.00 | ug/L |
| Q1331-01 | MW1R | Water | n-Butylbenzene | * | 3.20 | J | 0.22 | 1.00 | ug/L |
| | | | **Total Tics :** | | 611 | | | | |
| | | | **Total Concentration:** | | 626 | | | | |

# SAMPLE DATA

Raw Data: **VN085732.D**

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | 02/06/25 |
| Project: | Power | Date Received: | 02/07/25 |
| Client Sample ID: | MW1R | SDG No.: | Q1331 |
| Lab Sample ID: | Q1331-01 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VN085732.D | 1 | | 02/10/25 18:35 | VN021025 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 0.21 | U | 0.21 | 1.00 | ug/L |
| 74-87-3 | Chloromethane | 0.35 | U | 0.35 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 0.34 | U | 0.34 | 1.00 | ug/L |
| 74-83-9 | Bromomethane | 1.40 | U | 1.40 | 5.00 | ug/L |
| 75-00-3 | Chloroethane | 0.56 | U | 0.56 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 0.34 | U | 0.34 | 1.00 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 0.25 | U | 0.25 | 1.00 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 0.26 | U | 0.26 | 1.00 | ug/L |
| 67-64-1 | Acetone | 9.50 | | 1.40 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 0.32 | U | 0.32 | 1.00 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 0.16 | U | 0.16 | 1.00 | ug/L |
| 79-20-9 | Methyl Acetate | 0.60 | U | 0.60 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 0.32 | U | 0.32 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 0.25 | U | 0.25 | 1.00 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 0.23 | U | 0.23 | 1.00 | ug/L |
| 110-82-7 | Cyclohexane | 1.60 | U | 1.60 | 5.00 | ug/L |
| 78-93-3 | 2-Butanone | 1.70 | J | 1.30 | 5.00 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 0.25 | U | 0.25 | 1.00 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 0.25 | U | 0.25 | 1.00 | ug/L |
| 74-97-5 | Bromochloromethane | 0.18 | U | 0.18 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 0.26 | U | 0.26 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 0.19 | U | 0.19 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 0.19 | U | 0.19 | 1.00 | ug/L |
| 71-43-2 | Benzene | 0.16 | U | 0.16 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 0.24 | U | 0.24 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 0.32 | U | 0.32 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 0.19 | U | 0.19 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 0.24 | U | 0.24 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 0.75 | U | 0.75 | 5.00 | ug/L |
| 108-88-3 | Toluene | 0.18 | U | 0.18 | 1.00 | ug/L |

Raw Data: **VN085732.D**

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | 02/06/25 |
| Project: | Power | Date Received: | 02/07/25 |
| Client Sample ID: | MW1R | SDG No.: | Q1331 |
| Lab Sample ID: | Q1331-01 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VN085732.D | 1 | | 02/10/25 18:35 | VN021025 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 0.21 | U | 0.21 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.18 | U | 0.18 | 1.00 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 0.21 | U | 0.21 | 1.00 | ug/L |
| 591-78-6 | 2-Hexanone | 1.10 | U | 1.10 | 5.00 | ug/L |
| 124-48-1 | Dibromochloromethane | 0.18 | U | 0.18 | 1.00 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 0.16 | U | 0.16 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 0.25 | U | 0.25 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 0.13 | U | 0.13 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 0.25 | J | 0.16 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 0.64 | J | 0.31 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 0.25 | J | 0.14 | 1.00 | ug/L |
| 100-42-5 | Styrene | 0.16 | U | 0.16 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 0.21 | U | 0.21 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 2.40 | | 0.13 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.27 | U | 0.27 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 0.24 | U | 0.24 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 0.27 | U | 0.27 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 0.19 | U | 0.19 | 1.00 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.46 | U | 0.46 | 1.00 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.42 | U | 0.42 | 1.00 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 0.51 | U | 0.51 | 1.00 | ug/L |
| **SURROGATES** | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 49.6 | | 70 (74) - 130 (125) | 99% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 51.3 | | 70 (75) - 130 (124) | 103% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 49.2 | | 70 (86) - 130 (113) | 98% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 48.1 | | 70 (77) - 130 (121) | 96% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | |
| 363-72-4 | Pentafluorobenzene | 228000 | 8.224 | | | |
| 540-36-3 | 1,4-Difluorobenzene | 425000 | 9.1 | | | |
| 3114-55-4 | Chlorobenzene-d5 | 364000 | 11.865 | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 158000 | 13.788 | | | |
| **TENTATIVE IDENTIFIED COMPOUNDS** | | | | | | |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | 02/06/25 |
| Project: | Power | Date Received: | 02/07/25 |
| Client Sample ID: | MW1R | SDG No.: | Q1331 |
| Lab Sample ID: | Q1331-01 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VN085732.D | 1 | | 02/10/25 18:35 | VN021025 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| 103-65-1 | n-propylbenzene | 0.55 | J | | 13.0 | ug/L |
| 95-63-6 | 1,2,4-Trimethylbenzene | 0.74 | J | | 13.5 | ug/L |
| 135-98-8 | sec-Butylbenzene | 3.50 | J | | 13.6 | ug/L |
| 104-51-8 | n-Butylbenzene | 3.20 | J | | 14.1 | ug/L |
| 007525-62-4 | Benzene, 1-ethenyl-3-ethyl- | 55.8 | J | | 14.4 | ug/L |
| 000824-22-6 | 1H-Indene, 2,3-dihydro-4-methyl- | 140 | J | | 15.0 | ug/L |
| 056253-64-6 | Benzene, (2-methyl-1-butenyl)- | 42.0 | J | | 15.3 | ug/L |
| 004912-92-9 | 1H-Indene, 2,3-dihydro-1,1-dimethy | 53.8 | J | | 15.4 | ug/L |
| 003877-19-8 | Naphthalene, 1,2,3,4-tetrahydro-2- | 38.0 | J | | 15.7 | ug/L |
| 001559-81-5 | Naphthalene, 1,2,3,4-tetrahydro-1- | 77.9 | J | | 15.8 | ug/L |
| 000529-34-0 | 1(2H)-Naphthalenone, 3,4-dihydro- | 56.0 | J | | 16.2 | ug/L |
| 006682-71-9 | 1H-Indene, 2,3-dihydro-4,7-dimethy | 35.3 | J | | 16.3 | ug/L |
| 001680-51-9 | Naphthalene, 1,2,3,4-tetrahydro-6- | 68.7 | J | | 16.5 | ug/L |
| 004175-54-6 | Naphthalene, 1,2,3,4-tetrahydro-1, | 35.8 | J | | 16.7 | ug/L |

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

# QC SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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# Surrogate Summary

**SDG No.:** Q1331

**Client:** G Environmental

**Analytical Method:** SW8260-Low

| Lab Sample ID | Client ID | Parameter | Spike | Result | RecoveryQual | Limits Low | Limits High |
|---|---|---|---|---|---|---|---|
| Q1331-01 | MW1R | 1,2-Dichloroethane-d4 | 50 | 49.6 | 99 | 70 (74) | 130 (125) |
| | | Dibromofluoromethane | 50 | 51.3 | 103 | 70 (75) | 130 (124) |
| | | Toluene-d8 | 50 | 49.2 | 98 | 70 (86) | 130 (113) |
| | | 4-Bromofluorobenzene | 50 | 48.1 | 96 | 70 (77) | 130 (121) |
| VN0210WBL01 | VN0210WBL01 | 1,2-Dichloroethane-d4 | 50 | 47.8 | 96 | 70 (74) | 130 (125) |
| | | Dibromofluoromethane | 50 | 50.2 | 100 | 70 (75) | 130 (124) |
| | | Toluene-d8 | 50 | 48.3 | 97 | 70 (86) | 130 (113) |
| | | 4-Bromofluorobenzene | 50 | 44.2 | 88 | 70 (77) | 130 (121) |
| VN0210WBS01 | VN0210WBS01 | 1,2-Dichloroethane-d4 | 50 | 39.3 | 79 | 70 (74) | 130 (125) |
| | | Dibromofluoromethane | 50 | 44.5 | 89 | 70 (75) | 130 (124) |
| | | Toluene-d8 | 50 | 44.5 | 89 | 70 (86) | 130 (113) |
| | | 4-Bromofluorobenzene | 50 | 46.6 | 93 | 70 (77) | 130 (121) |
| VN0210WBSD0 | VN0210WBSD01 | 1,2-Dichloroethane-d4 | 50 | 49.9 | 100 | 70 (74) | 130 (125) |
| | | Dibromofluoromethane | 50 | 54.4 | 109 | 70 (75) | 130 (124) |
| | | Toluene-d8 | 50 | 54.6 | 109 | 70 (86) | 130 (113) |
| | | 4-Bromofluorobenzene | 50 | 57.5 | 115 | 70 (77) | 130 (121) |

( ) = LABORATORY INHOUSE LIMIT

( ) = LABORATORY INHOUSE LIMIT

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## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** Q1331

**Client:** G Environmental

**Analytical Method:** SW8260-Low **Datafile :** VN085721.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | Limits Low | Limits High | RPD |
|---|---|---|---|---|---|---|---|---|---|---|
| VN0210WBS01 | Dichlorodifluoromethane | 20 | 20.4 | ug/L | 102 | | | 40 (69) | 160 (116) | |
| | Chloromethane | 20 | 17.7 | ug/L | 89 | | | 40 (65) | 160 (116) | |
| | Vinyl chloride | 20 | 18.8 | ug/L | 94 | | | 70 (65) | 130 (117) | |
| | Bromomethane | 20 | 18.5 | ug/L | 93 | | | 40 (58) | 160 (125) | |
| | Chloroethane | 20 | 18.0 | ug/L | 90 | | | 40 (56) | 160 (128) | |
| | Trichlorofluoromethane | 20 | 18.0 | ug/L | 90 | | | 40 (73) | 160 (115) | |
| | 1,1,2-Trichlorotrifluoroethane | 20 | 18.7 | ug/L | 94 | | | 70 (80) | 130 (112) | |
| | 1,1-Dichloroethene | 20 | 18.9 | ug/L | 95 | | | 70 (74) | 130 (110) | |
| | Acetone | 100 | 78.6 | ug/L | 79 | | | 40 (60) | 160 (125) | |
| | Carbon disulfide | 20 | 18.0 | ug/L | 90 | | | 40 (64) | 160 (112) | |
| | Methyl tert-butyl Ether | 20 | 17.9 | ug/L | 90 | | | 70 (78) | 130 (114) | |
| | Methyl Acetate | 20 | 15.7 | ug/L | 79 | | | 70 (67) | 130 (125) | |
| | Methylene Chloride | 20 | 18.2 | ug/L | 91 | | | 70 (72) | 130 (114) | |
| | trans-1,2-Dichloroethene | 20 | 18.5 | ug/L | 93 | | | 70 (75) | 130 (108) | |
| | 1,1-Dichloroethane | 20 | 17.2 | ug/L | 86 | | | 70 (78) | 130 (112) | |
| | Cyclohexane | 20 | 16.6 | ug/L | 83 | | | 70 (75) | 130 (110) | |
| | 2-Butanone | 100 | 78.5 | ug/L | 79 | | | 40 (65) | 160 (122) | |
| | Carbon Tetrachloride | 20 | 18.0 | ug/L | 90 | | | 70 (77) | 130 (113) | |
| | cis-1,2-Dichloroethene | 20 | 17.8 | ug/L | 89 | | | 70 (77) | 130 (110) | |
| | Bromochloromethane | 20 | 16.3 | ug/L | 81 | | | 70 (70) | 130 (124) | |
| | Chloroform | 20 | 17.4 | ug/L | 87 | | | 70 (79) | 130 (113) | |
| | 1,1,1-Trichloroethane | 20 | 17.5 | ug/L | 88 | | | 70 (80) | 130 (108) | |
| | Methylcyclohexane | 20 | 18.5 | ug/L | 93 | | | 70 (72) | 130 (115) | |
| | Benzene | 20 | 18.3 | ug/L | 92 | | | 70 (82) | 130 (109) | |
| | 1,2-Dichloroethane | 20 | 16.5 | ug/L | 83 | | | 70 (80) | 130 (115) | |
| | Trichloroethene | 20 | 18.5 | ug/L | 93 | | | 70 (77) | 130 (113) | |
| | 1,2-Dichloropropane | 20 | 17.2 | ug/L | 86 | | | 70 (83) | 130 (111) | |
| | Bromodichloromethane | 20 | 17.7 | ug/L | 89 | | | 70 (83) | 130 (110) | |
| | 4-Methyl-2-Pentanone | 100 | 81.4 | ug/L | 81 | | | 40 (74) | 160 (118) | |
| | Toluene | 20 | 19.4 | ug/L | 97 | | | 70 (82) | 130 (110) | |
| | t-1,3-Dichloropropene | 20 | 17.9 | ug/L | 90 | | | 70 (79) | 130 (110) | |
| | cis-1,3-Dichloropropene | 20 | 18.3 | ug/L | 92 | | | 70 (82) | 130 (110) | |
| | 1,1,2-Trichloroethane | 20 | 18.3 | ug/L | 92 | | | 70 (83) | 130 (112) | |
| | 2-Hexanone | 100 | 82.2 | ug/L | 82 | | | 40 (73) | 160 (117) | |
| | Dibromochloromethane | 20 | 18.1 | ug/L | 91 | | | 70 (82) | 130 (110) | |
| | 1,2-Dibromoethane | 20 | 18.2 | ug/L | 91 | | | 70 (81) | 130 (110) | |
| | Tetrachloroethene | 20 | 19.7 | ug/L | 99 | | | 70 (67) | 130 (123) | |
| | Chlorobenzene | 20 | 18.6 | ug/L | 93 | | | 70 (82) | 130 (109) | |
| | Ethyl Benzene | 20 | 18.7 | ug/L | 94 | | | 70 (83) | 130 (109) | |
| | m/p-Xylenes | 40 | 40.0 | ug/L | 100 | | | 70 (82) | 130 (110) | |
| | o-Xylene | 20 | 19.3 | ug/L | 97 | | | 70 (83) | 130 (109) | |
| | Styrene | 20 | 19.7 | ug/L | 99 | | | 70 (80) | 130 (111) | |
| | Bromoform | 20 | 19.1 | ug/L | 96 | | | 70 (79) | 130 (109) | |
| | Isopropylbenzene | 20 | 18.6 | ug/L | 93 | | | 70 (83) | 130 (112) | |
| | 1,1,2,2-Tetrachloroethane | 20 | 16.9 | ug/L | 85 | | | 70 (76) | 130 (118) | |
| | 1,3-Dichlorobenzene | 20 | 18.5 | ug/L | 93 | | | 70 (82) | 130 (108) | |
| | 1,4-Dichlorobenzene | 20 | 17.6 | ug/L | 88 | | | 70 (82) | 130 (107) | |
| | 1,2-Dichlorobenzene | 20 | 17.8 | ug/L | 89 | | | 70 (82) | 130 (109) | |

( ) = LABORATORY INHOUSE LIMIT

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## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** Q1331

**Client:** G Environmental

**Analytical Method:** SW8260-Low **Datafile :** VN085721.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | Limits Low | Limits High | Limits RPD |
|---|---|---|---|---|---|---|---|---|---|---|
| VN0210WBS01 | 1,2-Dibromo-3-Chloropropane | 20 | 17.2 | ug/L | 86 | | | 40 (68) | 160 (112) | |
| | 1,2,4-Trichlorobenzene | 20 | 17.4 | ug/L | 87 | | | 70 (75) | 130 (113) | |
| | 1,2,3-Trichlorobenzene | 20 | 17.2 | ug/L | 86 | | | 70 (76) | 130 (114) | |

( ) = LABORATORY INHOUSE LIMIT

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## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** Q1331

**Client:** G Environmental

**Analytical Method:** SW8260-Low **Datafile :** VN085733.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | Limits Low | Limits High | Limits RPD |
|---|---|---|---|---|---|---|---|---|---|---|
| VN0210WBSD01 | Dichlorodifluoromethane | 20 | 22.3 | ug/L | 112 | 9 | | 40 (69) | 160 (116) | 20 (20) |
| | Chloromethane | 20 | 20.4 | ug/L | 102 | 14 | | 40 (65) | 160 (116) | 20 (20) |
| | Vinyl chloride | 20 | 21.6 | ug/L | 108 | 14 | | 70 (65) | 130 (117) | 20 (20) |
| | Bromomethane | 20 | 20.7 | ug/L | 104 | 11 | | 40 (58) | 160 (125) | 20 (20) |
| | Chloroethane | 20 | 21.1 | ug/L | 106 | 16 | | 40 (56) | 160 (128) | 20 (20) |
| | Trichlorofluoromethane | 20 | 20.6 | ug/L | 103 | 13 | | 40 (73) | 160 (115) | 20 (20) |
| | 1,1,2-Trichlorotrifluoroethane | 20 | 20.8 | ug/L | 104 | 10 | | 70 (80) | 130 (112) | 20 (20) |
| | 1,1-Dichloroethene | 20 | 21.8 | ug/L | 109 | 14 | | 70 (74) | 130 (110) | 20 (20) |
| | Acetone | 100 | 91.9 | ug/L | 92 | 15 | | 40 (60) | 160 (125) | 20 (20) |
| | Carbon disulfide | 20 | 20.1 | ug/L | 101 | 12 | | 40 (64) | 160 (112) | 20 (20) |
| | Methyl tert-butyl Ether | 20 | 21.2 | ug/L | 106 | 16 | | 70 (78) | 130 (114) | 20 (20) |
| | Methyl Acetate | 20 | 19.2 | ug/L | 96 | 19 | | 70 (67) | 130 (125) | 20 (20) |
| | Methylene Chloride | 20 | 20.8 | ug/L | 104 | 13 | | 70 (72) | 130 (114) | 20 (20) |
| | trans-1,2-Dichloroethene | 20 | 21.3 | ug/L | 106 | 13 | | 70 (75) | 130 (108) | 20 (20) |
| | 1,1-Dichloroethane | 20 | 19.9 | ug/L | 100 | 15 | | 70 (78) | 130 (112) | 20 (20) |
| | Cyclohexane | 20 | 18.3 | ug/L | 92 | 10 | | 70 (75) | 130 (110) | 20 (20) |
| | 2-Butanone | 100 | 95.2 | ug/L | 95 | 18 | | 40 (65) | 160 (122) | 20 (20) |
| | Carbon Tetrachloride | 20 | 20.3 | ug/L | 102 | 13 | | 70 (77) | 130 (113) | 20 (20) |
| | cis-1,2-Dichloroethene | 20 | 21.0 | ug/L | 105 | 16 | | 70 (77) | 130 (110) | 20 (20) |
| | Bromochloromethane | 20 | 22.4 | ug/L | 112 | 32 | * | 70 (70) | 130 (124) | 20 (20) |
| | Chloroform | 20 | 19.9 | ug/L | 100 | 14 | | 70 (79) | 130 (113) | 20 (20) |
| | 1,1,1-Trichloroethane | 20 | 20.7 | ug/L | 104 | 17 | | 70 (80) | 130 (108) | 20 (20) |
| | Methylcyclohexane | 20 | 20.1 | ug/L | 101 | 8 | | 70 (72) | 130 (115) | 20 (20) |
| | Benzene | 20 | 21.1 | ug/L | 106 | 14 | | 70 (82) | 130 (109) | 20 (20) |
| | 1,2-Dichloroethane | 20 | 19.5 | ug/L | 98 | 17 | | 70 (80) | 130 (115) | 20 (20) |
| | Trichloroethene | 20 | 20.8 | ug/L | 104 | 11 | | 70 (77) | 130 (113) | 20 (20) |
| | 1,2-Dichloropropane | 20 | 19.6 | ug/L | 98 | 13 | | 70 (83) | 130 (111) | 20 (20) |
| | Bromodichloromethane | 20 | 20.3 | ug/L | 102 | 14 | | 70 (83) | 130 (110) | 20 (20) |
| | 4-Methyl-2-Pentanone | 100 | 98.7 | ug/L | 99 | 20 | | 40 (74) | 160 (118) | 20 (20) |
| | Toluene | 20 | 22.1 | ug/L | 111 | 13 | | 70 (82) | 130 (110) | 20 (20) |
| | t-1,3-Dichloropropene | 20 | 20.7 | ug/L | 104 | 14 | | 70 (79) | 130 (110) | 20 (20) |
| | cis-1,3-Dichloropropene | 20 | 21.1 | ug/L | 106 | 14 | | 70 (82) | 130 (110) | 20 (20) |
| | 1,1,2-Trichloroethane | 20 | 21.3 | ug/L | 106 | 14 | | 70 (83) | 130 (112) | 20 (20) |
| | 2-Hexanone | 100 | 100 | ug/L | 100 | 20 | | 40 (73) | 160 (117) | 20 (20) |
| | Dibromochloromethane | 20 | 21.1 | ug/L | 106 | 15 | | 70 (82) | 130 (110) | 20 (20) |
| | 1,2-Dibromoethane | 20 | 21.2 | ug/L | 106 | 15 | | 70 (81) | 130 (110) | 20 (20) |
| | Tetrachloroethene | 20 | 21.3 | ug/L | 106 | 7 | | 70 (67) | 130 (123) | 20 (20) |
| | Chlorobenzene | 20 | 20.8 | ug/L | 104 | 11 | | 70 (82) | 130 (109) | 20 (20) |
| | Ethyl Benzene | 20 | 21.8 | ug/L | 109 | 15 | | 70 (83) | 130 (109) | 20 (20) |
| | m/p-Xylenes | 40 | 45.3 | ug/L | 113 | 12 | | 70 (82) | 130 (110) | 20 (20) |
| | o-Xylene | 20 | 23.0 | ug/L | 115 | 17 | | 70 (83) | 130 (109) | 20 (20) |
| | Styrene | 20 | 22.7 | ug/L | 114 | 14 | | 70 (80) | 130 (111) | 20 (20) |
| | Bromoform | 20 | 22.1 | ug/L | 111 | 14 | | 70 (79) | 130 (109) | 20 (20) |
| | Isopropylbenzene | 20 | 23.0 | ug/L | 115 | 21 | * | 70 (83) | 130 (112) | 20 (20) |
| | 1,1,2,2-Tetrachloroethane | 20 | 20.8 | ug/L | 104 | 20 | | 70 (76) | 130 (118) | 20 (20) |
| | 1,3-Dichlorobenzene | 20 | 21.5 | ug/L | 108 | 15 | | 70 (82) | 130 (108) | 20 (20) |
| | 1,4-Dichlorobenzene | 20 | 19.9 | ug/L | 100 | 13 | | 70 (82) | 130 (107) | 20 (20) |
| | 1,2-Dichlorobenzene | 20 | 21.1 | ug/L | 106 | 17 | | 70 (82) | 130 (109) | 20 (20) |

( ) = LABORATORY INHOUSE LIMIT

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Fax : 908 789 8922

## Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

**SW-846**

**SDG No.:** Q1331

**Client:** G Environmental

**Analytical Method:** SW8260-Low **Datafile :** VN085733.D

| Lab Sample ID | Parameter | Spike | Result | Unit | Rec | RPD | Qual | Limits Low | Limits High | Limits RPD |
|---|---|---|---|---|---|---|---|---|---|---|
| VN0210WBSD01 | 1,2-Dibromo-3-Chloropropane | 20 | 20.8 | ug/L | 104 | 19 | | 40 (68) | 160 (112) | 20 (20) |
| | 1,2,4-Trichlorobenzene | 20 | 21.8 | ug/L | 109 | 22 | * | 70 (75) | 130 (113) | 20 (20) |
| | 1,2,3-Trichlorobenzene | 20 | 20.9 | ug/L | 104 | 19 | | 70 (76) | 130 (114) | 20 (20) |

( ) = LABORATORY INHOUSE LIMIT

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# VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0210WBL01

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1331 SAS No.: Q1331 SDG NO.: Q1331

Lab File ID: VN085720.D Lab Sample ID: VN0210WBL01

Date Analyzed: 02/10/2025 Time Analyzed: 13:12

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

Instrument ID: MSVOA_N

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

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED |
|---|---|---|---|
| VN0210WBS01 | VN0210WBS01 | VN085721.D | 02/10/2025 |
| MW1R | Q1331-01 | VN085732.D | 02/10/2025 |
| VN0210WBSD01 | VN0210WBSD01 | VN085733.D | 02/10/2025 |

COMMENTS:

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# VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
## BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1331 SAS No.: Q1331 SDG NO.: Q1331

Lab File ID: VN085437.D BFB Injection Date: 01/14/2025

Instrument ID: MSVOA_N BFB Injection Time: 14:22

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

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 50 | 15.0 - 40.0% of mass 95 | 22.3 |
| 75 | 30.0 - 60.0% of mass 95 | 58 |
| 95 | Base Peak, 100% relative abundance | 100 |
| 96 | 5.0 - 9.0% of mass 95 | 7.8 |
| 173 | Less than 2.0% of mass 174 | 1.4 ( 1.8 ) 1 |
| 174 | 50.0 - 100.0% of mass 95 | 76 |
| 175 | 5.0 - 9.0% of mass 174 | 5.4 ( 7.1 ) 1 |
| 176 | 95.0 - 101.0% of mass 174 | 74.1 ( 97.4 ) 1 |
| 177 | 5.0 - 9.0% of mass 176 | 4.9 ( 6.7 ) 2 |

1-Value is % mass 174 2-Value is % mass 176

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

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| VSTDICC100 | VSTDICC100 | VN085438.D | 01/14/2025 | 14:56 |
| VSTDICCC050 | VSTDICCC050 | VN085439.D | 01/14/2025 | 15:19 |
| VSTDICC020 | VSTDICC020 | VN085440.D | 01/14/2025 | 15:43 |
| VSTDICC010 | VSTDICC010 | VN085441.D | 01/14/2025 | 16:07 |
| VSTDICC005 | VSTDICC005 | VN085442.D | 01/14/2025 | 16:31 |
| VSTDICC001 | VSTDICC001 | VN085443.D | 01/14/2025 | 17:19 |

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# VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
## BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1331 SAS No.: Q1331 SDG NO.: Q1331

Lab File ID: VN085717.D BFB Injection Date: 02/10/2025

Instrument ID: MSVOA_N BFB Injection Time: 09:49

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

| m/e | ION ABUNDANCE CRITERIA | % RELATIVE ABUNDANCE |
|---|---|---|
| 50 | 15.0 - 40.0% of mass 95 | 19.7 |
| 75 | 30.0 - 60.0% of mass 95 | 52.8 |
| 95 | Base Peak, 100% relative abundance | 100 |
| 96 | 5.0 - 9.0% of mass 95 | 5.4 |
| 173 | Less than 2.0% of mass 174 | 1.1 ( 1.4 ) 1 |
| 174 | 50.0 - 100.0% of mass 95 | 78.9 |
| 175 | 5.0 - 9.0% of mass 174 | 5.5 ( 6.9 ) 1 |
| 176 | 95.0 - 101.0% of mass 174 | 76.2 ( 96.6 ) 1 |
| 177 | 5.0 - 9.0% of mass 176 | 4.5 ( 6 ) 2 |

1-Value is % mass 174 2-Value is % mass 176

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

| EPA SAMPLE NO. | LAB SAMPLE ID | LAB FILE ID | DATE ANALYZED | TIME ANALYZED |
|---|---|---|---|---|
| VSTDCCC050 | VSTDCCC050 | VN085718.D | 02/10/2025 | 12:12 |
| VN0210WBL01 | VN0210WBL01 | VN085720.D | 02/10/2025 | 13:12 |
| VN0210WBS01 | VN0210WBS01 | VN085721.D | 02/10/2025 | 14:12 |
| MW1R | Q1331-01 | VN085732.D | 02/10/2025 | 18:35 |
| VN0210WBSD01 | VN0210WBSD01 | VN085733.D | 02/10/2025 | 18:59 |

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# VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1331 SAS No.: Q1331 SDG NO.: Q1331

Lab File ID: VN085718.D Date Analyzed: 02/10/2025

Instrument ID: MSVOA_N Time Analyzed: 12:12

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

| | IS1 AREA # | RT # | IS2 AREA # | RT # | IS3 AREA # | RT # |
|---|---|---|---|---|---|---|
| 12 HOUR STD | 241607 | 8.22 | 411898 | 9.09 | 357680 | 11.87 |
| UPPER LIMIT | 483214 | 8.718 | 823796 | 9.594 | 715360 | 12.365 |
| LOWER LIMIT | 120804 | 7.718 | 205949 | 8.594 | 178840 | 11.365 |
| EPA SAMPLE NO. | | | | | | |
| MW1R | 227906 | 8.22 | 425293 | 9.10 | 364425 | 11.87 |
| VN0210WBL01 | 252400 | 8.22 | 469407 | 9.10 | 394938 | 11.87 |
| VN0210WBS01 | 320498 | 8.22 | 543900 | 9.10 | 477598 | 11.87 |
| VN0210WBSD01 | 231142 | 8.22 | 403589 | 9.10 | 358601 | 11.87 |

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.

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# VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1331 SAS No.: Q1331 SDG NO.: Q1331

Lab File ID: VN085718.D Date Analyzed: 02/10/2025

Instrument ID: MSVOA_N Time Analyzed: 12:12

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

| | IS4 AREA # | RT # | | | | |
|---|---|---|---|---|---|---|
| 12 HOUR STD | 178725 | 13.788 | | | | |
| UPPER LIMIT | 357450 | 14.288 | | | | |
| LOWER LIMIT | 89362.5 | 13.288 | | | | |
| EPA SAMPLE NO. | | | | | | |
| MW1R | 157983 | 13.79 | | | | |
| VN0210WBL01 | 156176 | 13.79 | | | | |
| VN0210WBS01 | 232853 | 13.79 | | | | |
| VN0210WBSD01 | 166903 | 13.79 | | | | |

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

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | |
| Project: | Power | Date Received: | |
| Client Sample ID: | VN0210WBL01 | SDG No.: | Q1331 |
| Lab Sample ID: | VN0210WBL01 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VN085720.D | 1 | | 02/10/25 13:12 | VN021025 |

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

Raw Data: **VN085720.D**

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | |
| Project: | Power | Date Received: | |
| Client Sample ID: | VN0210WBL01 | SDG No.: | Q1331 |
| Lab Sample ID: | VN0210WBL01 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VN085720.D | 1 | | 02/10/25 13:12 | VN021025 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 0.21 | U | 0.21 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 0.18 | U | 0.18 | 1.00 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 0.21 | U | 0.21 | 1.00 | ug/L |
| 591-78-6 | 2-Hexanone | 1.10 | U | 1.10 | 5.00 | ug/L |
| 124-48-1 | Dibromochloromethane | 0.18 | U | 0.18 | 1.00 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 0.16 | U | 0.16 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 0.25 | U | 0.25 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 0.13 | U | 0.13 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 0.16 | U | 0.16 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 0.31 | U | 0.31 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 0.14 | U | 0.14 | 1.00 | ug/L |
| 100-42-5 | Styrene | 0.16 | U | 0.16 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 0.21 | U | 0.21 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 0.13 | U | 0.13 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 0.27 | U | 0.27 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 0.24 | U | 0.24 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 0.27 | U | 0.27 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 0.19 | U | 0.19 | 1.00 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 0.46 | U | 0.46 | 1.00 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 0.42 | U | 0.42 | 1.00 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 0.51 | U | 0.51 | 1.00 | ug/L |
| **SURROGATES** | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 47.8 | | 70 (74) - 130 (125) | 96% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 50.2 | | 70 (75) - 130 (124) | 100% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 48.3 | | 70 (86) - 130 (113) | 97% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 44.2 | | 70 (77) - 130 (121) | 88% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | |
| 363-72-4 | Pentafluorobenzene | 252000 | 8.224 | | | |
| 540-36-3 | 1,4-Difluorobenzene | 469000 | 9.1 | | | |
| 3114-55-4 | Chlorobenzene-d5 | 395000 | 11.865 | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 156000 | 13.788 | | | |

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# Report of Analysis

| | | | | | |
|---|---|---|---|---|---|
| Client: | G Environmental | | | Date Collected: | |
| Project: | Power | | | Date Received: | |
| Client Sample ID: | VN0210WBL01 | | | SDG No.: | Q1331 |
| Lab Sample ID: | VN0210WBL01 | | | Matrix: | Water |
| Analytical Method: | SW8260 | | | % Solid: | 0 |
| Sample Wt/Vol: | 5 | Units: | mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | | | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | RXI-624 | ID : | 0.25 | Level : | LOW |
| Prep Method : | | | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VN085720.D | 1 | | 02/10/25 13:12 | VN021025 |

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

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | |
| Project: | Power | Date Received: | |
| Client Sample ID: | VN0210WBS01 | SDG No.: | Q1331 |
| Lab Sample ID: | VN0210WBS01 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VN085721.D | 1 | | 02/10/25 14:12 | VN021025 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 20.4 | | 0.21 | 1.00 | ug/L |
| 74-87-3 | Chloromethane | 17.7 | | 0.35 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 18.8 | | 0.34 | 1.00 | ug/L |
| 74-83-9 | Bromomethane | 18.5 | | 1.40 | 5.00 | ug/L |
| 75-00-3 | Chloroethane | 18.0 | | 0.56 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 18.0 | | 0.34 | 1.00 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 18.7 | | 0.25 | 1.00 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 18.9 | | 0.26 | 1.00 | ug/L |
| 67-64-1 | Acetone | 78.6 | | 1.40 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 18.0 | | 0.32 | 1.00 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 17.9 | | 0.16 | 1.00 | ug/L |
| 79-20-9 | Methyl Acetate | 15.7 | | 0.60 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 18.2 | | 0.32 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 18.5 | | 0.25 | 1.00 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 17.2 | | 0.23 | 1.00 | ug/L |
| 110-82-7 | Cyclohexane | 16.6 | | 1.60 | 5.00 | ug/L |
| 78-93-3 | 2-Butanone | 78.5 | | 1.30 | 5.00 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 18.0 | | 0.25 | 1.00 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 17.8 | | 0.25 | 1.00 | ug/L |
| 74-97-5 | Bromochloromethane | 16.3 | | 0.18 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 17.4 | | 0.26 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 17.5 | | 0.19 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 18.5 | | 0.19 | 1.00 | ug/L |
| 71-43-2 | Benzene | 18.3 | | 0.16 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 16.5 | | 0.24 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 18.5 | | 0.32 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 17.2 | | 0.19 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 17.7 | | 0.24 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 81.4 | | 0.75 | 5.00 | ug/L |
| 108-88-3 | Toluene | 19.4 | | 0.18 | 1.00 | ug/L |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | |
| Project: | Power | Date Received: | |
| Client Sample ID: | VN0210WBS01 | SDG No.: | Q1331 |
| Lab Sample ID: | VN0210WBS01 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VN085721.D | 1 | | 02/10/25 14:12 | VN021025 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 17.9 | | 0.21 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 18.3 | | 0.18 | 1.00 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 18.3 | | 0.21 | 1.00 | ug/L |
| 591-78-6 | 2-Hexanone | 82.2 | | 1.10 | 5.00 | ug/L |
| 124-48-1 | Dibromochloromethane | 18.1 | | 0.18 | 1.00 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 18.2 | | 0.16 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 19.7 | | 0.25 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 18.6 | | 0.13 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 18.7 | | 0.16 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 40.0 | | 0.31 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 19.3 | | 0.14 | 1.00 | ug/L |
| 100-42-5 | Styrene | 19.7 | | 0.16 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 19.1 | | 0.21 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 18.6 | | 0.13 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 16.9 | | 0.27 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 18.5 | | 0.24 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 17.6 | | 0.27 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 17.8 | | 0.19 | 1.00 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 17.2 | | 0.46 | 1.00 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 17.4 | | 0.42 | 1.00 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 17.2 | | 0.51 | 1.00 | ug/L |
| **SURROGATES** | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 39.3 | | 70 (74) - 130 (125) | 79% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 44.5 | | 70 (75) - 130 (124) | 89% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 44.6 | | 70 (86) - 130 (113) | 89% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 46.6 | | 70 (77) - 130 (121) | 93% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | |
| 363-72-4 | Pentafluorobenzene | 320000 | 8.224 | | | |
| 540-36-3 | 1,4-Difluorobenzene | 544000 | 9.1 | | | |
| 3114-55-4 | Chlorobenzene-d5 | 478000 | 11.865 | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 233000 | 13.788 | | | |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | |
| Project: | Power | Date Received: | |
| Client Sample ID: | VN0210WBS01 | SDG No.: | Q1331 |
| Lab Sample ID: | VN0210WBS01 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VN085721.D | 1 | | 02/10/25 14:12 | VN021025 |

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

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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Fax : 908 789 8922

# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | |
| Project: | Power | Date Received: | |
| Client Sample ID: | VN0210WBSD01 | SDG No.: | Q1331 |
| Lab Sample ID: | VN0210WBSD01 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VN085733.D | 1 | | 02/10/25 18:59 | VN021025 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| **TARGETS** | | | | | | |
| 75-71-8 | Dichlorodifluoromethane | 22.3 | | 0.21 | 1.00 | ug/L |
| 74-87-3 | Chloromethane | 20.4 | | 0.35 | 1.00 | ug/L |
| 75-01-4 | Vinyl Chloride | 21.6 | | 0.34 | 1.00 | ug/L |
| 74-83-9 | Bromomethane | 20.7 | | 1.40 | 5.00 | ug/L |
| 75-00-3 | Chloroethane | 21.1 | | 0.56 | 1.00 | ug/L |
| 75-69-4 | Trichlorofluoromethane | 20.6 | | 0.34 | 1.00 | ug/L |
| 76-13-1 | 1,1,2-Trichlorotrifluoroethane | 20.8 | | 0.25 | 1.00 | ug/L |
| 75-35-4 | 1,1-Dichloroethene | 21.8 | | 0.26 | 1.00 | ug/L |
| 67-64-1 | Acetone | 91.9 | | 1.40 | 5.00 | ug/L |
| 75-15-0 | Carbon Disulfide | 20.1 | | 0.32 | 1.00 | ug/L |
| 1634-04-4 | Methyl tert-butyl Ether | 21.2 | | 0.16 | 1.00 | ug/L |
| 79-20-9 | Methyl Acetate | 19.2 | | 0.60 | 1.00 | ug/L |
| 75-09-2 | Methylene Chloride | 20.8 | | 0.32 | 1.00 | ug/L |
| 156-60-5 | trans-1,2-Dichloroethene | 21.3 | | 0.25 | 1.00 | ug/L |
| 75-34-3 | 1,1-Dichloroethane | 19.9 | | 0.23 | 1.00 | ug/L |
| 110-82-7 | Cyclohexane | 18.3 | | 1.60 | 5.00 | ug/L |
| 78-93-3 | 2-Butanone | 95.2 | | 1.30 | 5.00 | ug/L |
| 56-23-5 | Carbon Tetrachloride | 20.3 | | 0.25 | 1.00 | ug/L |
| 156-59-2 | cis-1,2-Dichloroethene | 21.0 | | 0.25 | 1.00 | ug/L |
| 74-97-5 | Bromochloromethane | 22.4 | | 0.18 | 1.00 | ug/L |
| 67-66-3 | Chloroform | 19.9 | | 0.26 | 1.00 | ug/L |
| 71-55-6 | 1,1,1-Trichloroethane | 20.7 | | 0.19 | 1.00 | ug/L |
| 108-87-2 | Methylcyclohexane | 20.1 | | 0.19 | 1.00 | ug/L |
| 71-43-2 | Benzene | 21.1 | | 0.16 | 1.00 | ug/L |
| 107-06-2 | 1,2-Dichloroethane | 19.5 | | 0.24 | 1.00 | ug/L |
| 79-01-6 | Trichloroethene | 20.8 | | 0.32 | 1.00 | ug/L |
| 78-87-5 | 1,2-Dichloropropane | 19.6 | | 0.19 | 1.00 | ug/L |
| 75-27-4 | Bromodichloromethane | 20.3 | | 0.24 | 1.00 | ug/L |
| 108-10-1 | 4-Methyl-2-Pentanone | 98.7 | | 0.75 | 5.00 | ug/L |
| 108-88-3 | Toluene | 22.1 | | 0.18 | 1.00 | ug/L |

Raw Data: **VN085733.D**

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | |
| Project: | Power | Date Received: | |
| Client Sample ID: | VN0210WBSD01 | SDG No.: | Q1331 |
| Lab Sample ID: | VN0210WBSD01 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VN085733.D | 1 | | 02/10/25 18:59 | VN021025 |

| CAS Number | Parameter | Conc. | Qualifier | MDL | LOQ / CRQL | Units |
|---|---|---|---|---|---|---|
| 10061-02-6 | t-1,3-Dichloropropene | 20.7 | | 0.21 | 1.00 | ug/L |
| 10061-01-5 | cis-1,3-Dichloropropene | 21.1 | | 0.18 | 1.00 | ug/L |
| 79-00-5 | 1,1,2-Trichloroethane | 21.3 | | 0.21 | 1.00 | ug/L |
| 591-78-6 | 2-Hexanone | 100 | | 1.10 | 5.00 | ug/L |
| 124-48-1 | Dibromochloromethane | 21.1 | | 0.18 | 1.00 | ug/L |
| 106-93-4 | 1,2-Dibromoethane | 21.2 | | 0.16 | 1.00 | ug/L |
| 127-18-4 | Tetrachloroethene | 21.3 | | 0.25 | 1.00 | ug/L |
| 108-90-7 | Chlorobenzene | 20.8 | | 0.13 | 1.00 | ug/L |
| 100-41-4 | Ethyl Benzene | 21.8 | | 0.16 | 1.00 | ug/L |
| 179601-23-1 | m/p-Xylenes | 45.3 | | 0.31 | 2.00 | ug/L |
| 95-47-6 | o-Xylene | 23.0 | | 0.14 | 1.00 | ug/L |
| 100-42-5 | Styrene | 22.7 | | 0.16 | 1.00 | ug/L |
| 75-25-2 | Bromoform | 22.1 | | 0.21 | 1.00 | ug/L |
| 98-82-8 | Isopropylbenzene | 23.0 | | 0.13 | 1.00 | ug/L |
| 79-34-5 | 1,1,2,2-Tetrachloroethane | 20.8 | | 0.27 | 1.00 | ug/L |
| 541-73-1 | 1,3-Dichlorobenzene | 21.5 | | 0.24 | 1.00 | ug/L |
| 106-46-7 | 1,4-Dichlorobenzene | 19.9 | | 0.27 | 1.00 | ug/L |
| 95-50-1 | 1,2-Dichlorobenzene | 21.1 | | 0.19 | 1.00 | ug/L |
| 96-12-8 | 1,2-Dibromo-3-Chloropropane | 20.8 | | 0.46 | 1.00 | ug/L |
| 120-82-1 | 1,2,4-Trichlorobenzene | 21.8 | | 0.42 | 1.00 | ug/L |
| 87-61-6 | 1,2,3-Trichlorobenzene | 20.9 | | 0.51 | 1.00 | ug/L |
| **SURROGATES** | | | | | | |
| 17060-07-0 | 1,2-Dichloroethane-d4 | 49.9 | | 70 (74) - 130 (125) | 100% | SPK: 50 |
| 1868-53-7 | Dibromofluoromethane | 54.4 | | 70 (75) - 130 (124) | 109% | SPK: 50 |
| 2037-26-5 | Toluene-d8 | 54.6 | | 70 (86) - 130 (113) | 109% | SPK: 50 |
| 460-00-4 | 4-Bromofluorobenzene | 57.5 | | 70 (77) - 130 (121) | 115% | SPK: 50 |
| **INTERNAL STANDARDS** | | | | | | |
| 363-72-4 | Pentafluorobenzene | 231000 | 8.224 | | | |
| 540-36-3 | 1,4-Difluorobenzene | 404000 | 9.1 | | | |
| 3114-55-4 | Chlorobenzene-d5 | 359000 | 11.865 | | | |
| 3855-82-1 | 1,4-Dichlorobenzene-d4 | 167000 | 13.788 | | | |

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# Report of Analysis

| | | | |
|---|---|---|---|
| Client: | G Environmental | Date Collected: | |
| Project: | Power | Date Received: | |
| Client Sample ID: | VN0210WBSD01 | SDG No.: | Q1331 |
| Lab Sample ID: | VN0210WBSD01 | Matrix: | Water |
| Analytical Method: | SW8260 | % Solid: | 0 |
| Sample Wt/Vol: | 5 Units: mL | Final Vol: | 5000 uL |
| Soil Aliquot Vol: | uL | Test: | VOC-TCLVOA-10 |
| GC Column: | RXI-624 ID : 0.25 | Level : | LOW |
| Prep Method : | | | |

| File ID/Qc Batch: | Dilution: | Prep Date | Date Analyzed | Prep Batch ID |
|---|---|---|---|---|
| VN085733.D | 1 | | 02/10/25 18:59 | VN021025 |

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

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

# CALIBRATION SUMMARY

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

# VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1331 SAS No.: Q1331 SDG No.: Q1331

Instrument ID: MSVOA_N Calibration Date(s): 01/14/2025 01/14/2025

Heated Purge: (Y/N) N Calibration Time(s): 14:56 17:19

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

LAB FILE ID: RRF100 = VN085438.D RRF050 = VN085439.D RRF020 = VN085440.D
RRF010 = VN085441.D RRF005 = VN085442.D RRF001 = VN085443.D

| COMPOUND | RRF100 | RRF050 | RRF020 | RRF010 | RRF005 | RRF001 | $\overline{RRF}$ | % RSD |
|---|---|---|---|---|---|---|---|---|
| Dichlorodifluoromethane | 0.664 | 0.629 | 0.681 | 0.667 | 0.708 | 0.714 | 0.677 | 4.6 |
| Chloromethane | 0.680 | 0.680 | 0.727 | 0.693 | 0.779 | 0.839 | 0.733 | 8.8 |
| Vinyl Chloride | 0.697 | 0.686 | 0.727 | 0.711 | 0.781 | 0.819 | 0.737 | 7.1 |
| Bromomethane | 0.392 | 0.417 | 0.454 | 0.437 | 0.525 | | 0.445 | 11.3 |
| Chloroethane | 0.435 | 0.424 | 0.468 | 0.429 | 0.505 | 0.542 | 0.467 | 10.3 |
| Trichlorofluoromethane | 1.046 | 0.997 | 1.097 | 1.040 | 1.077 | 1.157 | 1.069 | 5.1 |
| 1,1,2-Trichlorotrifluoroethane | 0.590 | 0.542 | 0.609 | 0.587 | 0.639 | 0.646 | 0.602 | 6.4 |
| 1,1-Dichloroethene | 0.548 | 0.533 | 0.556 | 0.526 | 0.559 | 0.497 | 0.537 | 4.3 |
| Acetone | 0.238 | 0.252 | 0.252 | 0.247 | 0.269 | 0.306 | 0.261 | 9.3 |
| Carbon Disulfide | 1.555 | 1.477 | 1.647 | 1.537 | 1.719 | 1.978 | 1.652 | 11 |
| Methyl tert-butyl Ether | 1.834 | 1.873 | 1.853 | 1.664 | 1.685 | 1.545 | 1.742 | 7.5 |
| Methyl Acetate | 0.751 | 0.790 | 0.758 | 0.779 | 0.810 | 0.871 | 0.793 | 5.5 |
| Methylene Chloride | 0.629 | 0.629 | 0.658 | 0.606 | 0.696 | 0.656 | 0.646 | 4.9 |
| trans-1,2-Dichloroethene | 0.571 | 0.555 | 0.574 | 0.539 | 0.569 | 0.632 | 0.573 | 5.5 |
| 1,1-Dichloroethane | 1.164 | 1.170 | 1.206 | 1.100 | 1.226 | 1.204 | 1.178 | 3.8 |
| Cyclohexane | 0.984 | 0.881 | 1.033 | 1.026 | 1.198 | | 1.024 | 11.2 |
| 2-Butanone | 0.378 | 0.390 | 0.398 | 0.363 | 0.387 | 0.386 | 0.384 | 3.1 |
| Carbon Tetrachloride | 0.574 | 0.530 | 0.579 | 0.529 | 0.565 | 0.567 | 0.557 | 4 |
| cis-1,2-Dichloroethene | 0.691 | 0.683 | 0.715 | 0.639 | 0.669 | 0.655 | 0.675 | 4 |
| Bromochloromethane | 0.530 | 0.542 | 0.513 | 0.486 | 0.595 | 0.624 | 0.548 | 9.4 |
| Chloroform | 1.197 | 1.175 | 1.241 | 1.169 | 1.253 | 1.273 | 1.218 | 3.6 |
| 1,1,1-Trichloroethane | 1.053 | 1.016 | 1.091 | 1.000 | 1.148 | 1.102 | 1.068 | 5.2 |
| Methylcyclohexane | 0.564 | 0.463 | 0.477 | 0.407 | 0.437 | 0.397 | 0.457 | 13.3 |
| Benzene | 1.551 | 1.449 | 1.527 | 1.376 | 1.474 | 1.400 | 1.463 | 4.7 |
| 1,2-Dichloroethane | 0.569 | 0.547 | 0.575 | 0.522 | 0.574 | 0.517 | 0.551 | 4.8 |
| Trichloroethene | 0.362 | 0.324 | 0.352 | 0.310 | 0.343 | 0.352 | 0.341 | 5.8 |
| 1,2-Dichloropropane | 0.390 | 0.371 | 0.388 | 0.334 | 0.388 | 0.371 | 0.374 | 5.7 |
| Bromodichloromethane | 0.590 | 0.559 | 0.579 | 0.514 | 0.569 | 0.484 | 0.549 | 7.5 |
| 4-Methyl-2-Pentanone | 0.499 | 0.492 | 0.495 | 0.432 | 0.443 | 0.380 | 0.457 | 10.3 |
| Toluene | 0.964 | 0.870 | 0.919 | 0.808 | 0.835 | 0.690 | 0.848 | 11.3 |

* 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.

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Fax : 908 789 8922

# VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1331 SAS No.: Q1331 SDG No.: Q1331

Instrument ID: MSVOA_N Calibration Date(s): 01/14/2025 01/14/2025

Heated Purge: (Y/N) N Calibration Time(s): 14:56 17:19

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

LAB FILE ID: RRF100 = VN085438.D RRF050 = VN085439.D RRF020 = VN085440.D
RRF010 = VN085441.D RRF005 = VN085442.D RRF001 = VN085443.D

| COMPOUND | RRF100 | RRF050 | RRF020 | RRF010 | RRF005 | RRF001 | $\overline{RRF}$ | % RSD |
|---|---|---|---|---|---|---|---|---|
| t-1,3-Dichloropropene | 0.594 | 0.551 | 0.544 | 0.481 | 0.527 | 0.416 | 0.519 | 12 |
| cis-1,3-Dichloropropene | 0.623 | 0.588 | 0.601 | 0.527 | 0.538 | 0.450 | 0.554 | 11.4 |
| 1,1,2-Trichloroethane | 0.348 | 0.340 | 0.353 | 0.309 | 0.349 | 0.314 | 0.335 | 5.7 |
| 2-Hexanone | 0.358 | 0.357 | 0.353 | 0.298 | 0.302 | 0.261 | 0.321 | 12.6 |
| Dibromochloromethane | 0.430 | 0.414 | 0.412 | 0.368 | 0.420 | 0.386 | 0.405 | 5.8 |
| 1,2-Dibromoethane | 0.349 | 0.334 | 0.356 | 0.309 | 0.321 | 0.334 | 0.334 | 5.2 |
| Tetrachloroethene | 0.351 | 0.322 | 0.365 | 0.338 | 0.346 | 0.323 | 0.341 | 4.9 |
| Chlorobenzene | 1.133 | 1.076 | 1.154 | 1.047 | 1.110 | 1.051 | 1.095 | 4 |
| Ethyl Benzene | 2.072 | 1.867 | 1.940 | 1.685 | 1.709 | 1.430 | 1.784 | 12.7 |
| m/p-Xylenes | 0.775 | 0.707 | 0.750 | 0.615 | 0.616 | 0.492 | 0.659 | 16 |
| o-Xylene | 0.738 | 0.681 | 0.713 | 0.584 | 0.582 | 0.482 | 0.630 | 15.5 |
| Styrene | 1.271 | 1.173 | 1.186 | 0.956 | 0.929 | 0.742 | 1.043 | 19.2 |
| Bromoform | 0.311 | 0.311 | 0.312 | 0.273 | 0.284 | 0.235 | 0.288 | 10.6 |
| Isopropylbenzene | 3.922 | 3.448 | 3.681 | 3.272 | 3.157 | 2.766 | 3.375 | 12.1 |
| 1,1,2,2-Tetrachloroethane | 1.121 | 1.145 | 1.187 | 1.157 | 1.228 | 1.314 | 1.192 | 5.9 |
| 1,3-Dichlorobenzene | 1.720 | 1.565 | 1.701 | 1.574 | 1.656 | 1.526 | 1.624 | 4.9 |
| 1,4-Dichlorobenzene | 1.706 | 1.562 | 1.713 | 1.607 | 1.743 | 1.767 | 1.683 | 4.8 |
| 1,2-Dichlorobenzene | 1.611 | 1.555 | 1.654 | 1.532 | 1.600 | 1.766 | 1.620 | 5.2 |
| 1,2-Dibromo-3-Chloropropane | 0.218 | 0.222 | 0.224 | 0.212 | 0.228 | 0.202 | 0.218 | 4.3 |
| 1,2,4-Trichlorobenzene | 0.858 | 0.781 | 0.799 | 0.704 | 0.717 | 0.658 | 0.753 | 9.7 |
| 1,2,3-Trichlorobenzene | 0.817 | 0.786 | 0.792 | 0.732 | 0.693 | 0.750 | 0.762 | 6 |
| 1,2-Dichloroethane-d4 | 0.774 | 0.831 | 0.754 | 0.762 | 0.914 | | 0.807 | 8.3 |
| Dibromofluoromethane | 0.359 | 0.358 | 0.335 | 0.310 | 0.373 | | 0.347 | 7.1 |
| Toluene-d8 | 1.339 | 1.267 | 1.207 | 1.076 | 1.274 | | 1.232 | 8.1 |
| 4-Bromofluorobenzene | 0.475 | 0.449 | 0.410 | 0.357 | 0.417 | | 0.422 | 10.6 |

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

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Fax : 908 789 8922

# VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1331 SAS No.: Q1331 SDG No.: Q1331

Instrument ID: MSVOA_N Calibration Date/Time: 02/10/2025 12:12

Lab File ID: VN085718.D Init. Calib. Date(s): 01/14/2025 01/14/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 14:56 17:19

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

| COMPOUND | RRF | RRF050 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Dichlorodifluoromethane | 0.677 | 0.796 | | 17.58 | 20 |
| Chloromethane | 0.733 | 0.752 | 0.1 | 2.59 | 20 |
| Vinyl Chloride | 0.737 | 0.810 | | 9.9 | 20 |
| Bromomethane | 0.445 | 0.505 | | 13.48 | 20 |
| Chloroethane | 0.467 | 0.493 | | 5.57 | 20 |
| Trichlorofluoromethane | 1.069 | 1.121 | | 4.86 | 20 |
| 1,1,2-Trichlorotrifluoroethane | 0.602 | 0.644 | | 6.98 | 20 |
| 1,1-Dichloroethene | 0.537 | 0.606 | | 12.85 | 20 |
| Acetone | 0.261 | 0.229 | | -12.26 | 20 |
| Carbon Disulfide | 1.652 | 1.770 | | 7.14 | 20 |
| Methyl tert-butyl Ether | 1.742 | 1.949 | | 11.88 | 20 |
| Methyl Acetate | 0.793 | 0.732 | | -7.69 | 20 |
| Methylene Chloride | 0.646 | 0.682 | | 5.57 | 20 |
| trans-1,2-Dichloroethene | 0.573 | 0.644 | | 12.39 | 20 |
| 1,1-Dichloroethane | 1.178 | 1.205 | 0.1 | 2.29 | 20 |
| Cyclohexane | 1.024 | 0.971 | | -5.18 | 20 |
| 2-Butanone | 0.384 | 0.363 | | -5.47 | 20 |
| Carbon Tetrachloride | 0.557 | 0.585 | | 5.03 | 20 |
| cis-1,2-Dichloroethene | 0.675 | 0.757 | | 12.15 | 20 |
| Bromochloromethane | 0.548 | 0.459 | | -16.24 | 20 |
| Chloroform | 1.218 | 1.237 | | 1.56 | 20 |
| 1,1,1-Trichloroethane | 1.068 | 1.115 | | 4.4 | 20 |
| Methylcyclohexane | 0.457 | 0.518 | | 13.35 | 20 |
| Benzene | 1.463 | 1.580 | | 8 | 20 |
| 1,2-Dichloroethane | 0.551 | 0.537 | | -2.54 | 20 |
| Trichloroethene | 0.341 | 0.372 | | 9.09 | 20 |
| 1,2-Dichloropropane | 0.374 | 0.377 | | 0.8 | 20 |
| Bromodichloromethane | 0.549 | 0.577 | | 5.1 | 20 |
| 4-Methyl-2-Pentanone | 0.457 | 0.447 | | -2.19 | 20 |
| Toluene | 0.848 | 0.973 | | 14.74 | 20 |
| t-1,3-Dichloropropene | 0.519 | 0.582 | | 12.14 | 20 |
| cis-1,3-Dichloropropene | 0.554 | 0.630 | | 13.72 | 20 |
| 1,1,2-Trichloroethane | 0.335 | 0.362 | | 8.06 | 20 |
| 2-Hexanone | 0.321 | 0.325 | | 1.25 | 20 |
| Dibromochloromethane | 0.405 | 0.442 | | 9.14 | 20 |
| 1,2-Dibromoethane | 0.334 | 0.351 | | 5.09 | 20 |
| Tetrachloroethene | 0.341 | 0.392 | | 14.96 | 20 |
| Chlorobenzene | 1.095 | 1.209 | 0.3 | 10.41 | 20 |

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

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## VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q1331 SAS No.: Q1331 SDG No.: Q1331

Instrument ID: MSVOA_N Calibration Date/Time: 02/10/2025 12:12

Lab File ID: VN085718.D Init. Calib. Date(s): 01/14/2025 01/14/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 14:56 17:19

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

| COMPOUND | RRF | RRF050 | MIN RRF | %D | MAX%D |
|---|---|---|---|---|---|
| Ethyl Benzene | 1.784 | 2.105 | | 17.99 | 20 |
| m/p-Xylenes | 0.659 | 0.816 | | 23.82 | 20 |
| o-Xylene | 0.630 | 0.777 | | 23.33 | 20 |
| Styrene | 1.043 | 1.307 | | 25.31 | 20 |
| Bromoform | 0.288 | 0.333 | 0.1 | 15.63 | 20 |
| Isopropylbenzene | 3.375 | 3.842 | | 13.84 | 20 |
| 1,1,2,2-Tetrachloroethane | 1.192 | 1.189 | 0.3 | -0.25 | 20 |
| 1,3-Dichlorobenzene | 1.624 | 1.781 | | 9.67 | 20 |
| 1,4-Dichlorobenzene | 1.683 | 1.754 | | 4.22 | 20 |
| 1,2-Dichlorobenzene | 1.620 | 1.714 | | 5.8 | 20 |
| 1,2-Dibromo-3-Chloropropane | 0.218 | 0.219 | | 0.46 | 20 |
| 1,2,4-Trichlorobenzene | 0.753 | 0.832 | | 10.49 | 20 |
| 1,2,3-Trichlorobenzene | 0.762 | 0.820 | | 7.61 | 20 |
| 1,2-Dichloroethane-d4 | 0.807 | 0.653 | | -19.08 | 20 |
| Dibromofluoromethane | 0.347 | 0.319 | | -8.07 | 20 |
| Toluene-d8 | 1.232 | 1.130 | | -8.28 | 20 |
| 4-Bromofluorobenzene | 0.422 | 0.404 | | -4.26 | 20 |

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

# SAMPLE RAW DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
Data File : VN085732.D
Acq On : 10 Feb 2025 18:35
Operator : JC\MD
Sample : Q1331-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW1R

Quant Time: Feb 11 03:27:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

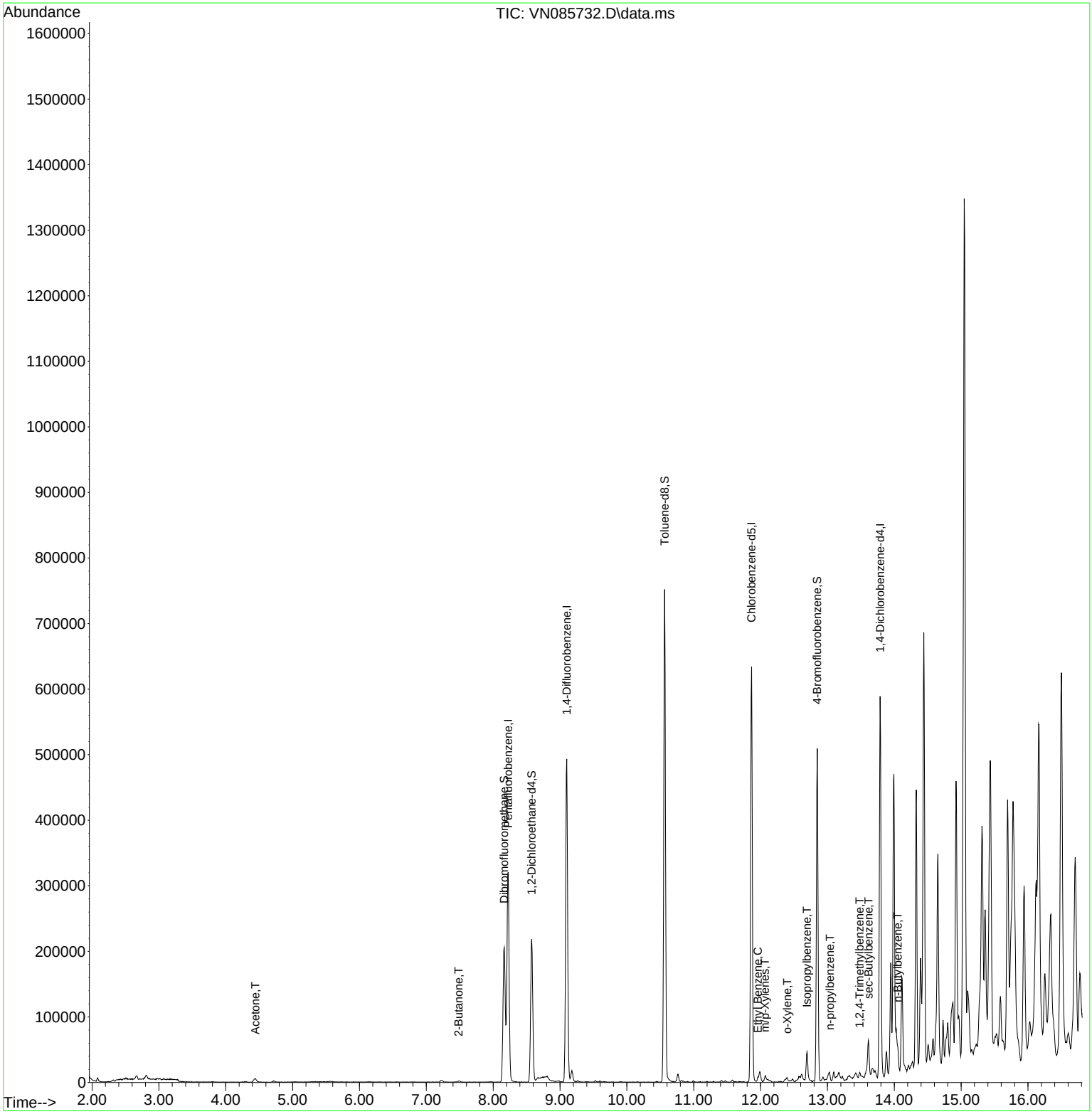
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 8.224 | 168 | 227906 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 9.100 | 114 | 425293 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.865 | 117 | 364425 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.788 | 152 | 157983 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.577 | 65 | 182445 | 49.593 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 99.180% | | | |
| 35) Dibromofluoromethane | 8.165 | 113 | 151457 | 51.333 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 102.660% | | | |
| 50) Toluene-d8 | 10.565 | 98 | 515376 | 49.163 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 98.320% | | | |
| 62) 4-Bromofluorobenzene | 12.847 | 95 | 172349 | 48.062 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 96.120% | | | |
| Target Compounds | | | | | | Qvalue |
| 16) Acetone | 4.442 | 43 | 11280 | 9.490 | ug/l # | 89 |
| 25) 2-Butanone | 7.483 | 43 | 2914 | 1.666 | ug/l | 94 |
| 67) Ethyl Benzene | 11.959 | 91 | 3214 | 0.247 | ug/l # | 89 |
| 68) m/p-Xylenes | 12.065 | 106 | 3060 | 0.637 | ug/l | 88 |
| 69) o-Xylene | 12.400 | 106 | 1137 | 0.248 | ug/l | 56 |
| 73) Isopropylbenzene | 12.694 | 105 | 25917 | 2.431 | ug/l | 95 |
| 78) n-propylbenzene | 13.035 | 91 | 6883 | 0.545 | ug/l | 99 |
| 84) 1,2,4-Trimethylbenzene | 13.482 | 105 | 6454 | 0.735 | ug/l | 93 |
| 85) sec-Butylbenzene | 13.618 | 105 | 35491 | 3.462 | ug/l | 94 |
| 89) n-Butylbenzene | 14.053 | 91 | 23716 | 3.225 | ug/l # | 78 |

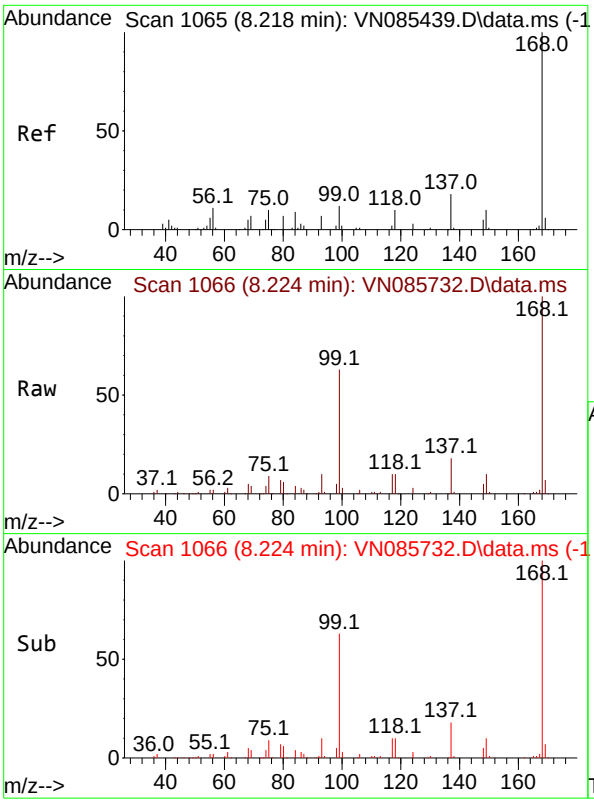
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
Data File : VN085732.D
Acq On : 10 Feb 2025 18:35
Operator : JC\MD
Sample : Q1331-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW1R

Quant Time: Feb 11 03:27:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration



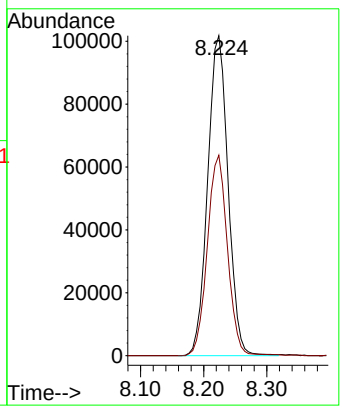


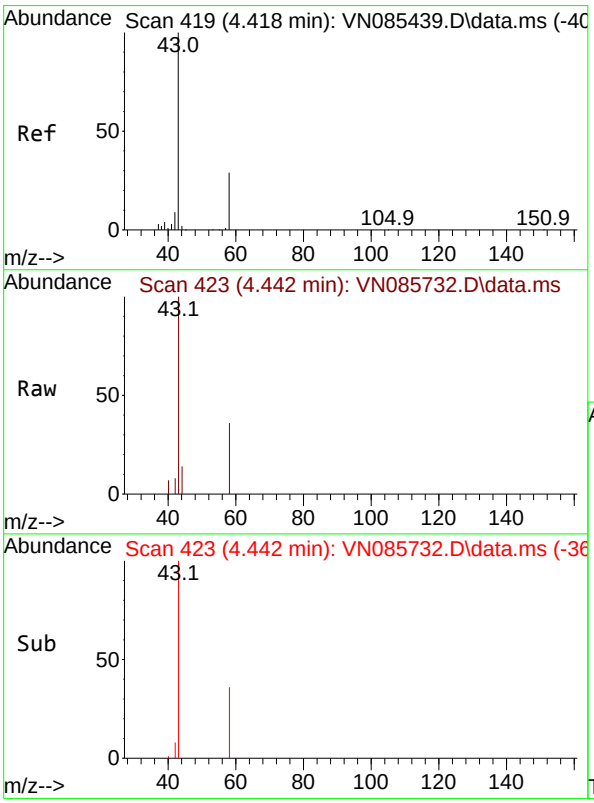

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085732.D
Acq: 10 Feb 2025 18:35

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW1R

Tgt Ion:168 Resp: 227906

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 62.6 | 53.6 | 80.4 |

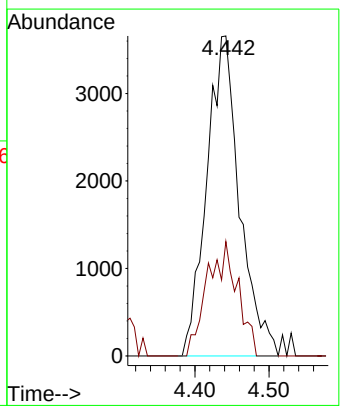


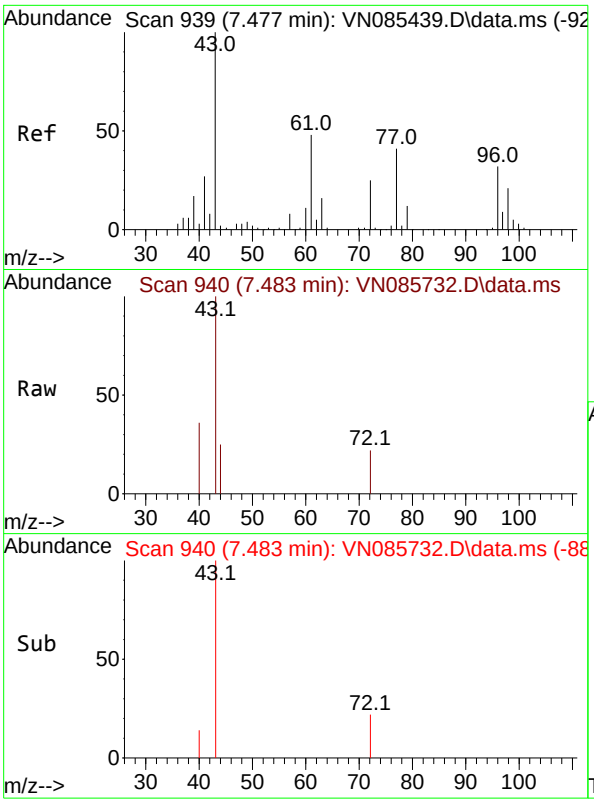




#16
Acetone
Concen: 9.490 ug/l
RT: 4.442 min Scan# 423
Delta R.T. 0.024 min
Lab File: VN085732.D
Acq: 10 Feb 2025 18:35

Tgt Ion: 43 Resp: 11280

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 58 | 35.7 | 23.8 | 35.6# |



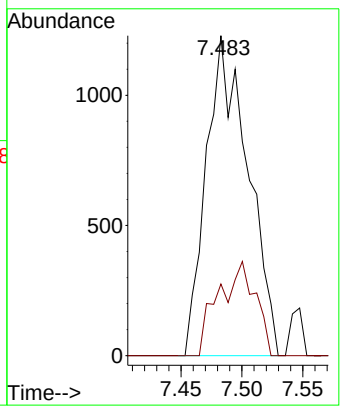


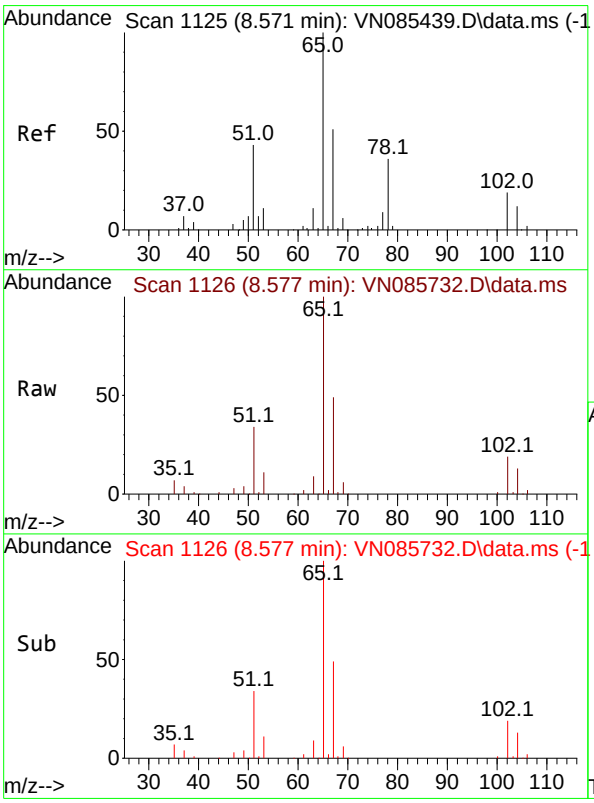

#25
2-Butanone
Concen: 1.666 ug/l
RT: 7.483 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN085732.D
Acq: 10 Feb 2025 18:35

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW1R

Tgt Ion: 43 Resp: 2914

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 43 | 100 | | |
| 72 | 22.4 | 20.2 | 30.4 |

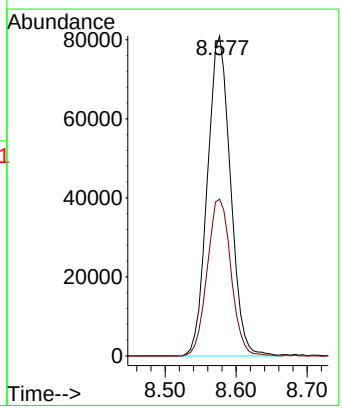


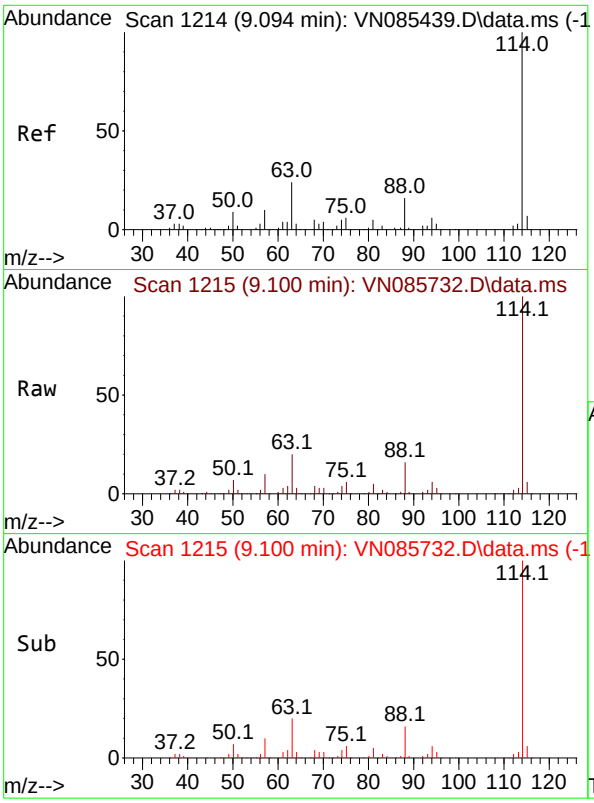




#33
1,2-Dichloroethane-d4
Concen: 49.593 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085732.D
Acq: 10 Feb 2025 18:35

Tgt Ion: 65 Resp: 182445

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 50.6 | 0.0 | 101.6 |



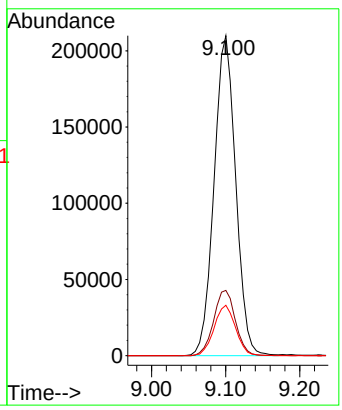


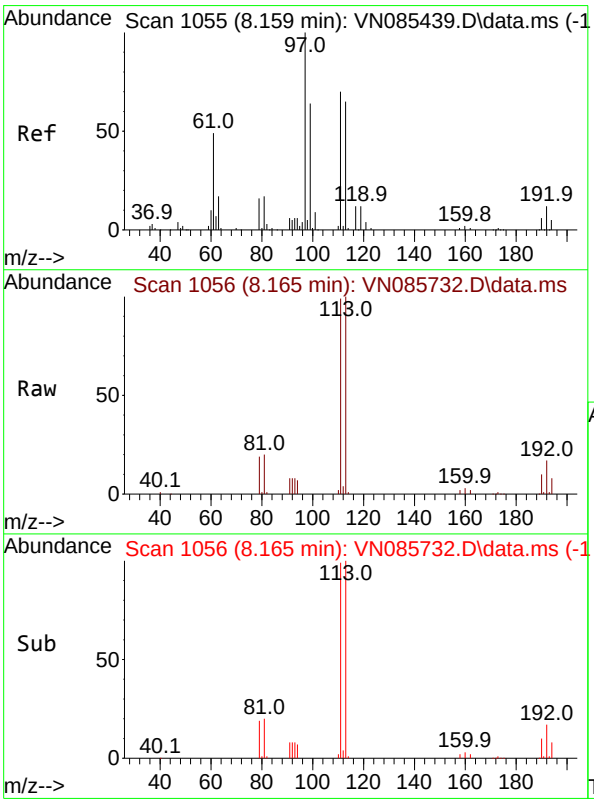

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085732.D
Acq: 10 Feb 2025 18:35

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW1R

Tgt Ion:114 Resp: 425293

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 20.4 | 0.0 | 47.6 |
| 88 | 15.8 | 0.0 | 32.6 |

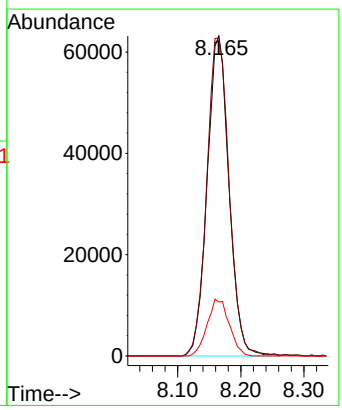


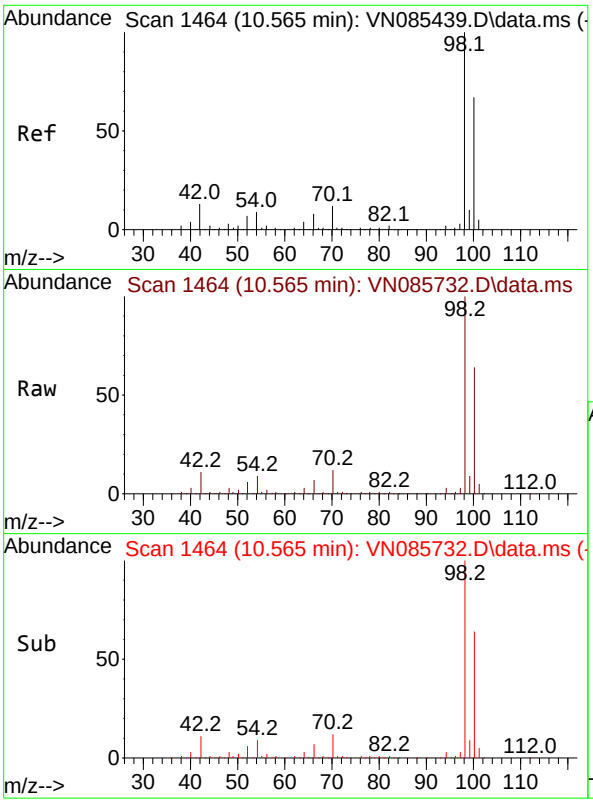




#35
Dibromofluoromethane
Concen: 51.333 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085732.D
Acq: 10 Feb 2025 18:35

Tgt Ion:113 Resp: 151457

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 102.4 | 82.7 | 124.1 |
| 192 | 17.9 | 14.3 | 21.5 |



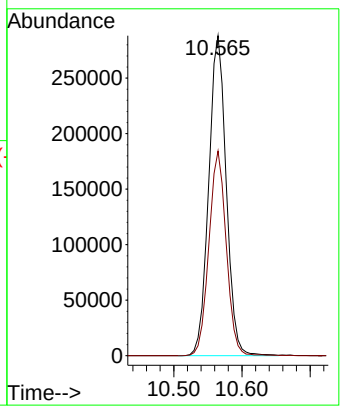


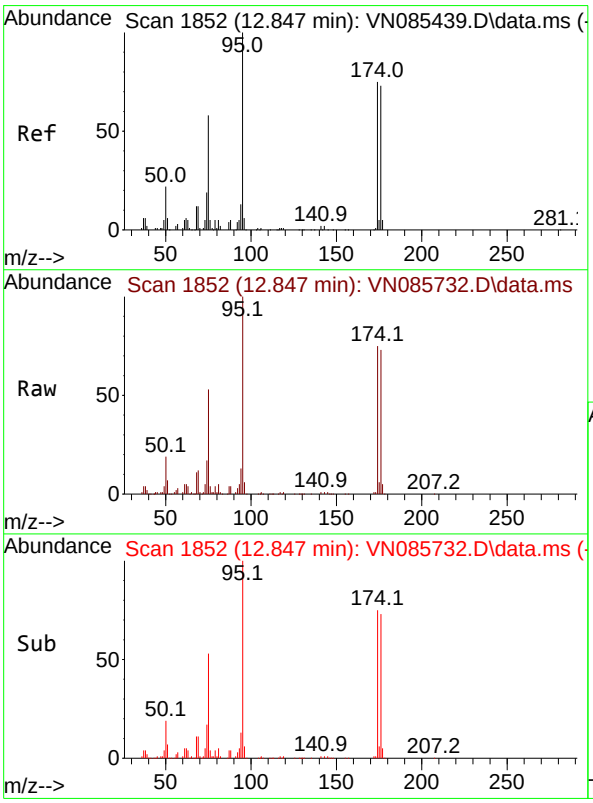

#50
Toluene-d8
Concen: 49.163 ug/l
RT: 10.565 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN085732.D
Acq: 10 Feb 2025 18:35

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW1R

Tgt Ion: 98 Resp: 515376

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 63.3 | 52.2 | 78.4 |

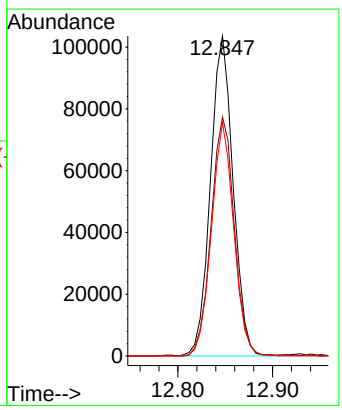


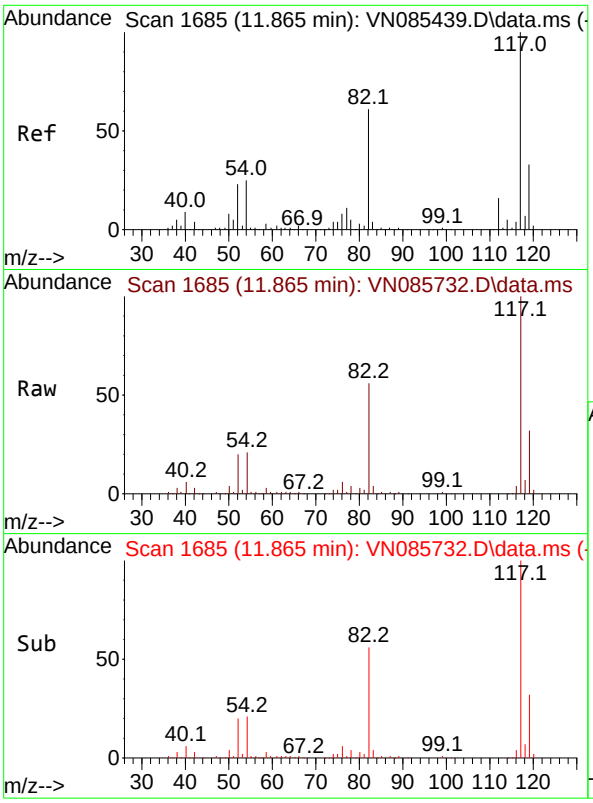




#62
4-Bromofluorobenzene
Concen: 48.062 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN085732.D
Acq: 10 Feb 2025 18:35

Tgt Ion: 95 Resp: 172349

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 76.2 | 0.0 | 145.0 |
| 176 | 71.6 | 0.0 | 142.4 |



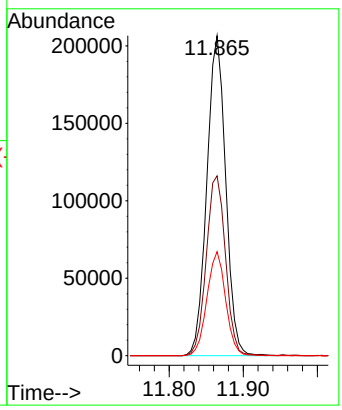


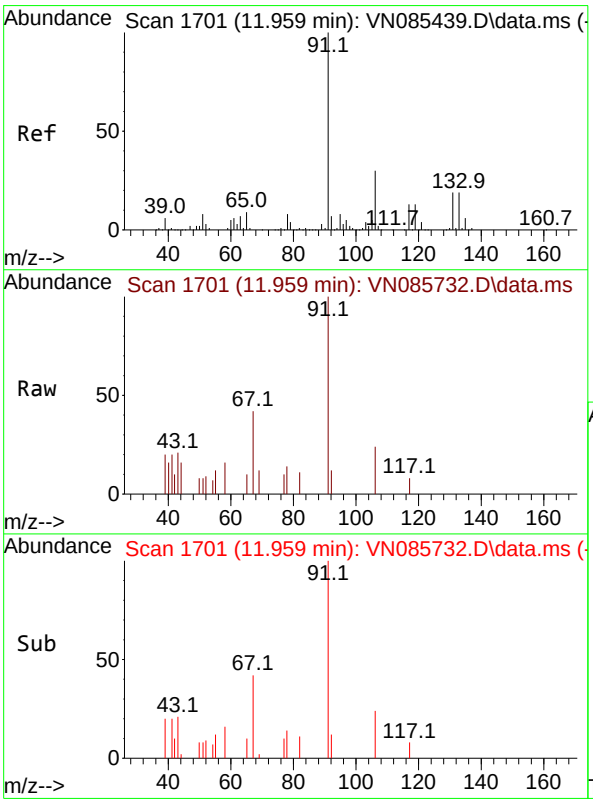

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085732.D
Acq: 10 Feb 2025 18:35

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW1R

Tgt Ion:117 Resp: 364425

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 56.2 | 48.6 | 72.8 |
| 119 | 32.5 | 26.6 | 39.8 |

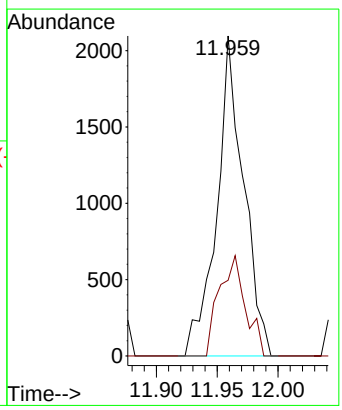


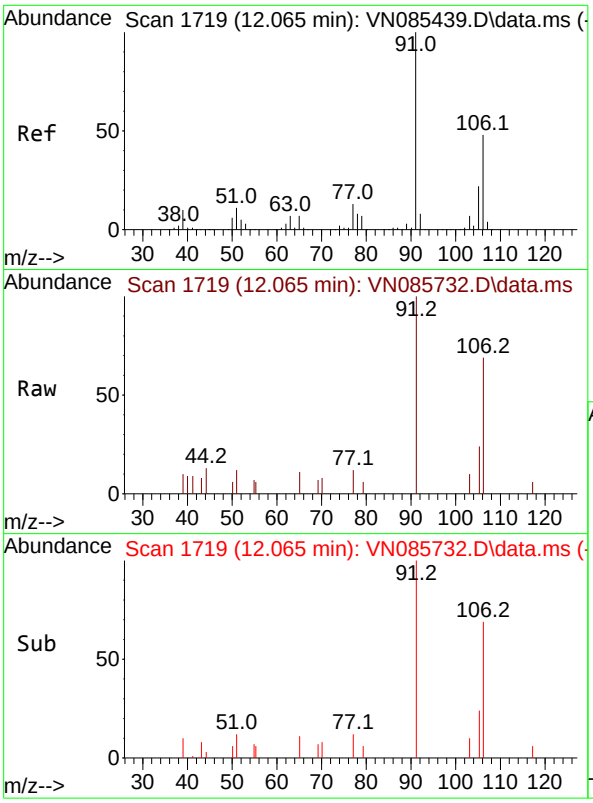




#67
Ethyl Benzene
Concen: 0.247 ug/l
RT: 11.959 min Scan# 1701
Delta R.T. 0.000 min
Lab File: VN085732.D
Acq: 10 Feb 2025 18:35

Tgt Ion: 91 Resp: 3214

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 106 | 23.7 | 23.8 | 35.8# |



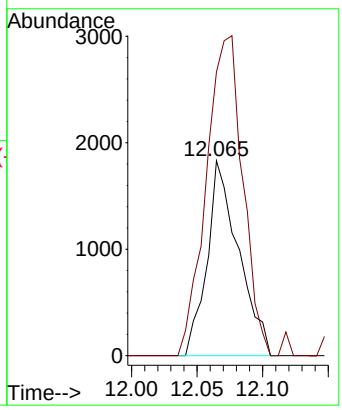


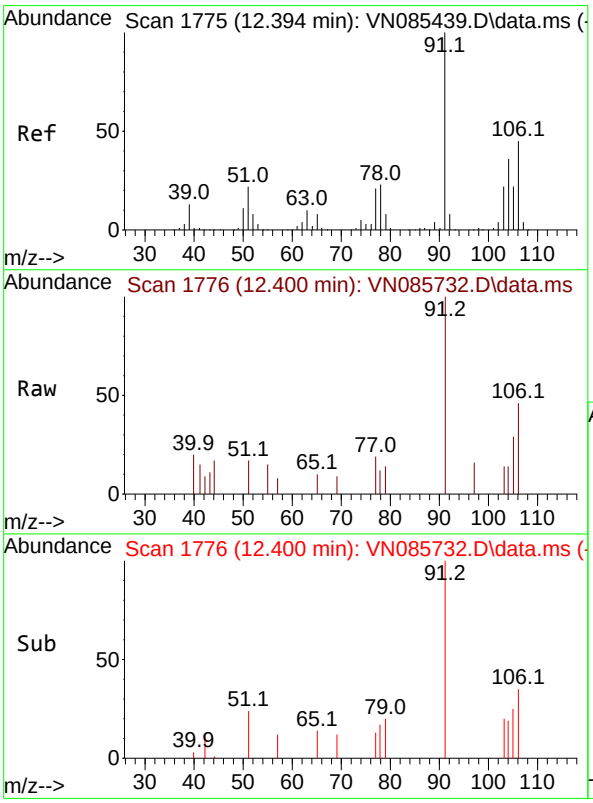

#68
m/p-Xylenes
Concen: 0.637 ug/l
RT: 12.065 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN085732.D
Acq: 10 Feb 2025 18:35

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW1R

Tgt Ion:106 Resp: 3060

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 190.2 | 167.7 | 251.5 |

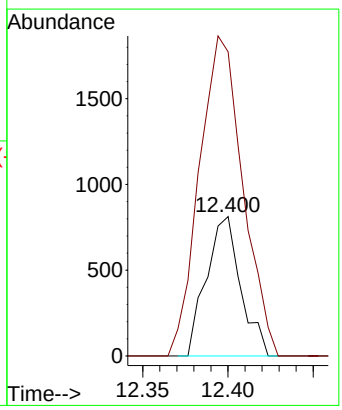


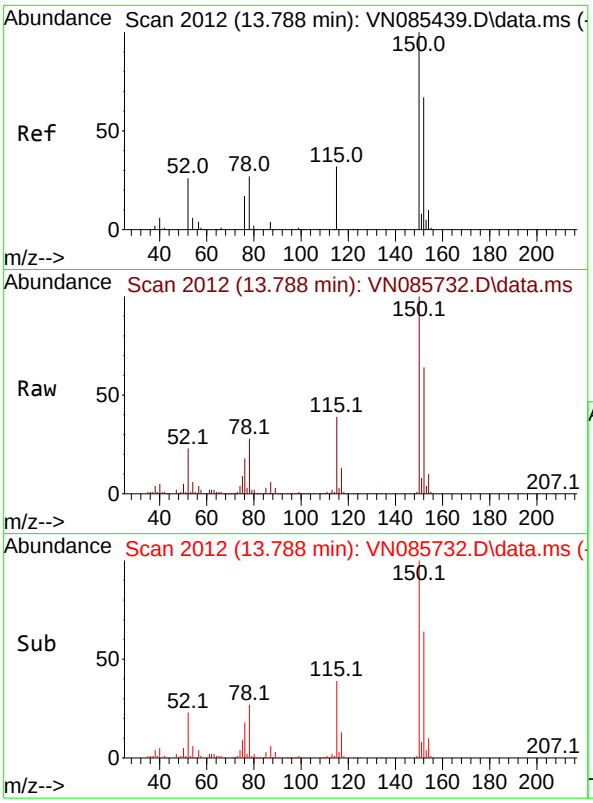




#69
o-Xylene
Concen: 0.248 ug/l
RT: 12.400 min Scan# 1776
Delta R.T. 0.006 min
Lab File: VN085732.D
Acq: 10 Feb 2025 18:35

Tgt Ion:106 Resp: 1137

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 106 | 100 | | |
| 91 | 291.3 | 110.4 | 331.2 |



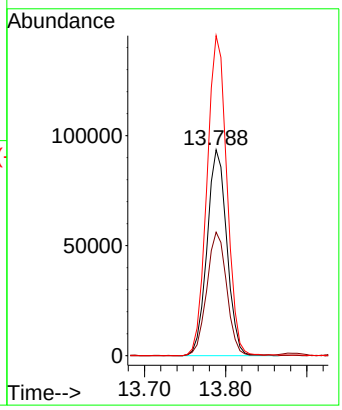


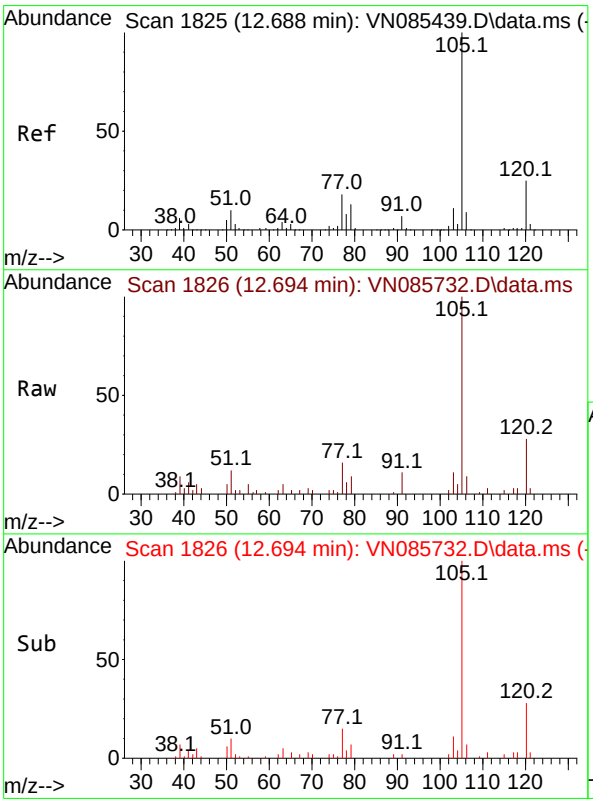

#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN085732.D
Acq: 10 Feb 2025 18:35

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW1R

Tgt Ion:152 Resp: 157983

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 60.6 | 31.1 | 93.3 |
| 150 | 156.0 | 0.0 | 343.6 |

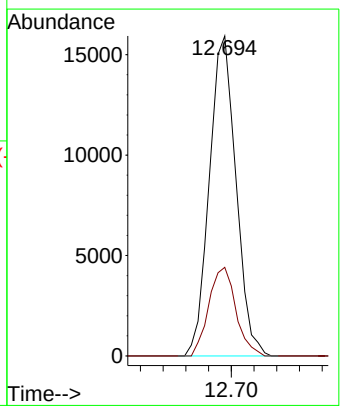


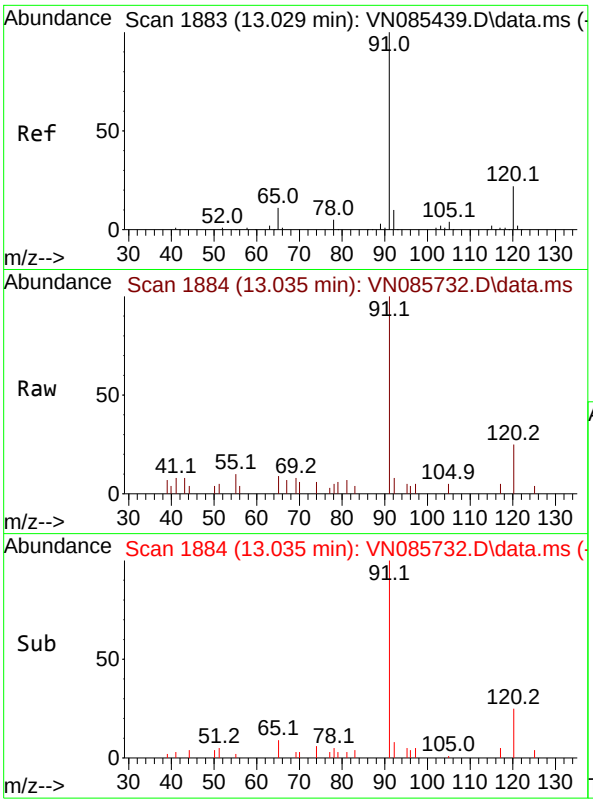




#73
Isopropylbenzene
Concen: 2.431 ug/l
RT: 12.694 min Scan# 1826
Delta R.T. 0.006 min
Lab File: VN085732.D
Acq: 10 Feb 2025 18:35

Tgt Ion:105 Resp: 25917

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 28.1 | 12.8 | 38.3 |



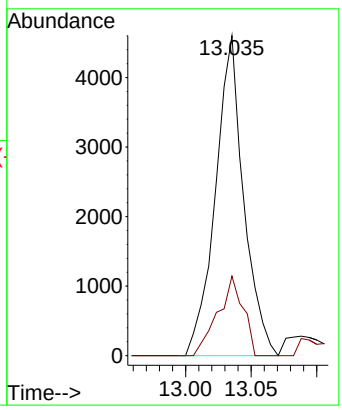


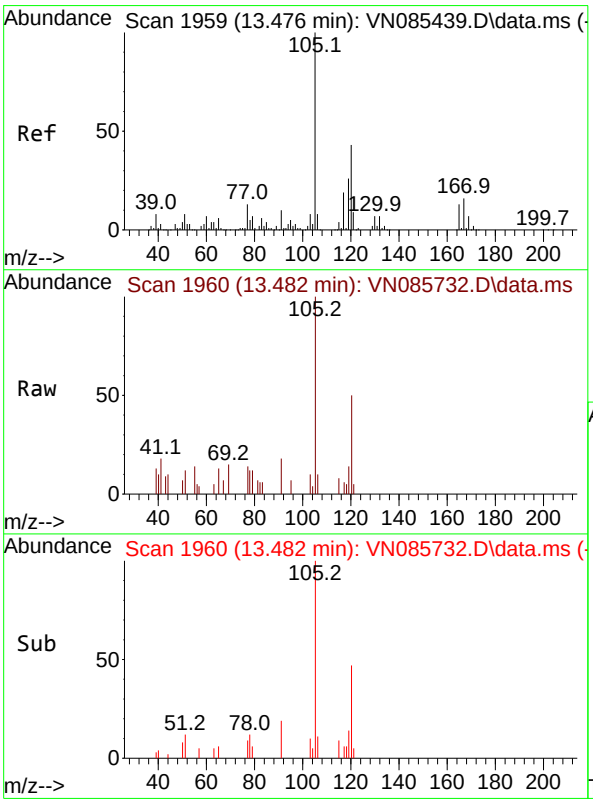

#78
n-propylbenzene
Concen: 0.545 ug/l
RT: 13.035 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085732.D
Acq: 10 Feb 2025 18:35

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW1R

Tgt Ion: 91 Resp: 6883

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 120 | 22.2 | 10.9 | 32.6 |

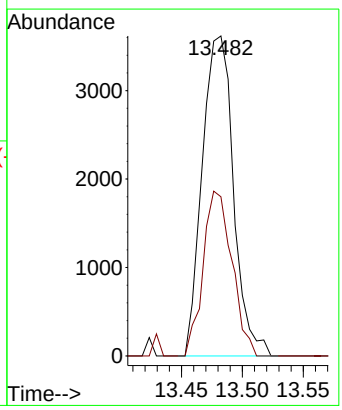


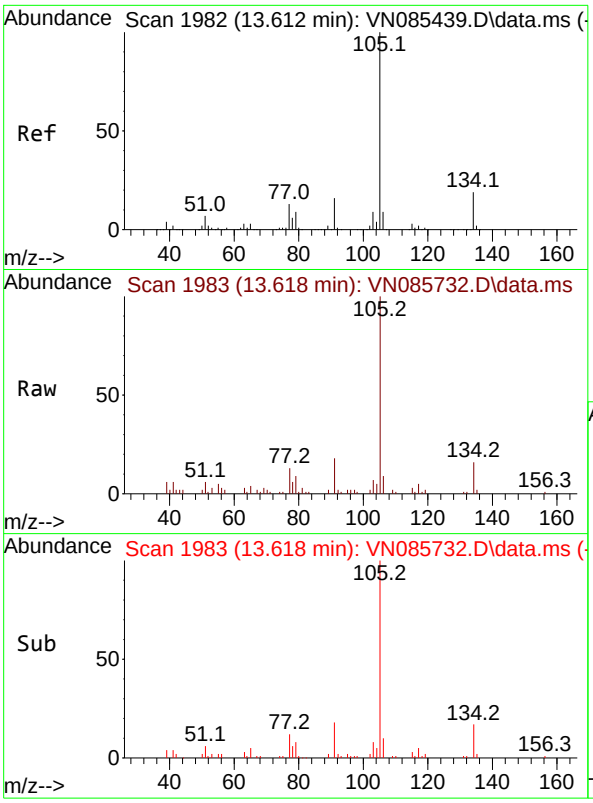




#84
1,2,4-Trimethylbenzene
Concen: 0.735 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. 0.006 min
Lab File: VN085732.D
Acq: 10 Feb 2025 18:35

Tgt Ion:105 Resp: 6454

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 120 | 47.5 | 21.6 | 65.0 |



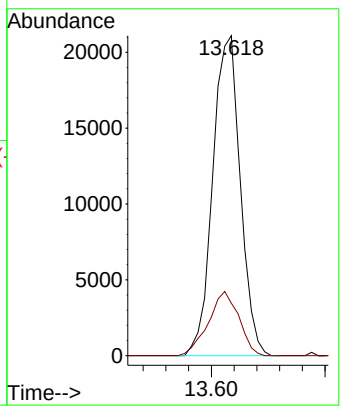


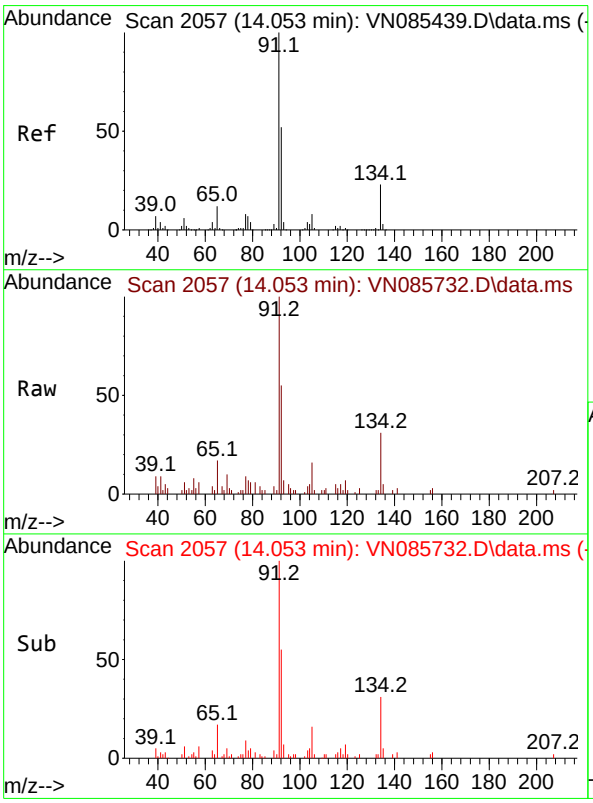

#85
sec-Butylbenzene
Concen: 3.462 ug/l
RT: 13.618 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085732.D
Acq: 10 Feb 2025 18:35

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW1R

Tgt Ion:105 Resp: 35491

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 105 | 100 | | |
| 134 | 22.2 | 9.7 | 28.9 |

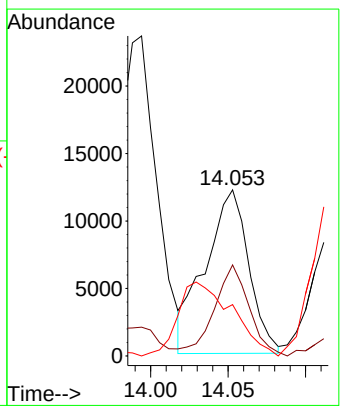



#89
n-Butylbenzene
Concen: 3.225 ug/l
RT: 14.053 min Scan# 2057
Delta R.T. 0.000 min
Lab File: VN085732.D
Acq: 10 Feb 2025 18:35

Tgt Ion: 91 Resp: 23716

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 91 | 100 | | |
| 92 | 44.6 | 25.8 | 77.3 |
| 134 | 0.0 | 11.7 | 35.1# |



Sample Results: **VN085732.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
Data File : VN085732.D
Acq On : 10 Feb 2025 18:35
Operator : JC\MD
Sample : Q1331-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW1R

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Title : SW846 8260

Signal : TIC: VN085732.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 8.165 | 1046 | 1056 | 1060 | rBV | 205186 | 481194 | 18.03% | 1.898% |
| 2 | 8.224 | 1060 | 1066 | 1083 | rVB | 319563 | 734434 | 27.51% | 2.897% |
| 3 | 8.577 | 1116 | 1126 | 1135 | rBV2 | 218134 | 496588 | 18.60% | 1.959% |
| 4 | 9.100 | 1204 | 1215 | 1223 | rBV | 492898 | 1004550 | 37.63% | 3.963% |
| 5 | 9.177 | 1223 | 1228 | 1235 | rVB2 | 16548 | 33615 | 1.26% | 0.133% |
| 6 | 10.565 | 1455 | 1464 | 1481 | rBV | 751461 | 1353502 | 50.70% | 5.340% |
| 7 | 11.865 | 1676 | 1685 | 1698 | rBV | 633327 | 1128211 | 42.26% | 4.451% |
| 8 | 11.988 | 1698 | 1706 | 1713 | rVB6 | 15371 | 37782 | 1.42% | 0.149% |
| 9 | 12.694 | 1821 | 1826 | 1840 | rVB | 45886 | 89302 | 3.35% | 0.352% |
| 10 | 12.847 | 1845 | 1852 | 1860 | rBV | 507403 | 840765 | 31.50% | 3.317% |
| 11 | 13.029 | 1876 | 1883 | 1888 | rVB4 | 13445 | 29148 | 1.09% | 0.115% |
| 12 | 13.612 | 1971 | 1982 | 1987 | rBV2 | 57025 | 120013 | 4.50% | 0.473% |
| 13 | 13.788 | 2005 | 2012 | 2022 | rBV | 581871 | 988478 | 37.03% | 3.900% |
| 14 | 13.882 | 2022 | 2028 | 2033 | rBV | 37707 | 67577 | 2.53% | 0.267% |
| 15 | 13.947 | 2033 | 2039 | 2042 | rBV | 169194 | 263550 | 9.87% | 1.040% |
| 16 | 13.994 | 2042 | 2047 | 2052 | rVV | 395355 | 609271 | 22.82% | 2.404% |
| 17 | 14.112 | 2062 | 2067 | 2078 | rBV | 143537 | 249301 | 9.34% | 0.984% |
| 18 | 14.329 | 2097 | 2104 | 2109 | rBV | 423133 | 654935 | 24.53% | 2.584% |
| 19 | 14.394 | 2109 | 2115 | 2118 | rBV | 161049 | 276184 | 10.35% | 1.090% |
| 20 | 14.441 | 2118 | 2123 | 2130 | rVB2 | 654637 | 1102235 | 41.29% | 4.348% |
| 21 | 14.506 | 2130 | 2134 | 2139 | rBV6 | 26341 | 43849 | 1.64% | 0.173% |
| 22 | 14.576 | 2142 | 2146 | 2149 | rBV | 27502 | 34542 | 1.29% | 0.136% |
| 23 | 14.653 | 2150 | 2159 | 2168 | rVB | 319811 | 616498 | 23.09% | 2.432% |
| 24 | 14.729 | 2168 | 2172 | 2176 | rBV | 66064 | 95151 | 3.56% | 0.375% |
| 25 | 14.800 | 2176 | 2184 | 2188 | rBV3 | 51213 | 109754 | 4.11% | 0.433% |
| 26 | 14.876 | 2188 | 2197 | 2200 | rBV2 | 80011 | 208246 | 7.80% | 0.822% |
| 27 | 14.923 | 2200 | 2205 | 2210 | rBV2 | 399234 | 659252 | 24.70% | 2.601% |
| 28 | 15.047 | 2217 | 2226 | 2232 | rBV2 | 1307935 | 2669500 | 100.00% | 10.531% |
| 29 | 15.094 | 2232 | 2234 | 2243 | rVB3 | 93541 | 208656 | 7.82% | 0.823% |
| 30 | 15.312 | 2260 | 2271 | 2276 | rBV | 335884 | 830789 | 31.12% | 3.278% |
| 31 | 15.359 | 2276 | 2279 | 2284 | rVV | 206176 | 360807 | 13.52% | 1.423% |
| 32 | 15.435 | 2284 | 2292 | 2301 | rVB4 | 432093 | 1064280 | 39.87% | 4.199% |
| 33 | 15.588 | 2312 | 2318 | 2323 | rBV3 | 74737 | 140451 | 5.26% | 0.554% |
| 34 | 15.694 | 2329 | 2336 | 2341 | rBV | 381481 | 750349 | 28.11% | 2.960% |
| 35 | 15.776 | 2341 | 2350 | 2369 | rVB4 | 395605 | 1539443 | 57.67% | 6.073% |
| 36 | 15.941 | 2370 | 2378 | 2386 | rBV2 | 266157 | 575494 | 21.56% | 2.270% |

Sample Results: **VN085732.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
Data File : VN085732.D
Acq On : 10 Feb 2025 18:35
Operator : JC\MD
Sample : Q1331-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW1R

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Title : SW846 8260

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 37 | 16.029 | 2387 | 2393 | 2397 | rVV7 | 38462 | 86793 | 3.25% | 0.342% |
| 38 | 16.123 | 2400 | 2409 | 2410 | rVV2 | 253114 | 516109 | 19.33% | 2.036% |
| 39 | 16.159 | 2411 | 2415 | 2425 | rVV | 490300 | 1107647 | 41.49% | 4.370% |
| 40 | 16.253 | 2426 | 2431 | 2437 | rVV | 108606 | 255710 | 9.58% | 1.009% |
| 41 | 16.341 | 2438 | 2446 | 2461 | rVB3 | 215079 | 697623 | 26.13% | 2.752% |
| 42 | 16.500 | 2464 | 2473 | 2483 | rBV | 574397 | 1358880 | 50.90% | 5.361% |
| 43 | 16.706 | 2498 | 2508 | 2515 | rBV2 | 285057 | 707054 | 26.49% | 2.789% |
| 44 | 16.776 | 2515 | 2520 | 2522 | rBV3 | 88373 | 150432 | 5.64% | 0.593% |

Sum of corrected areas: 25347944

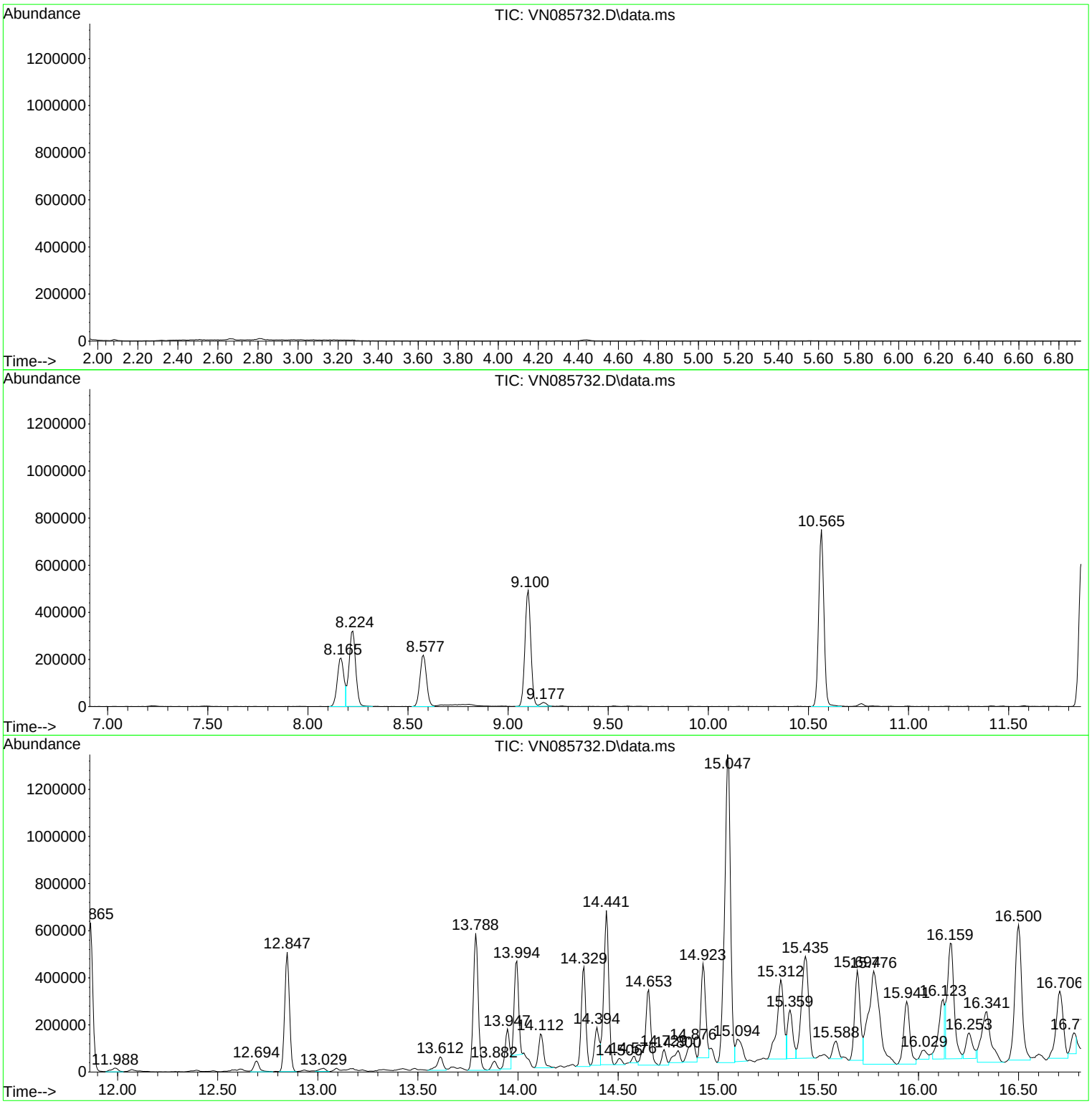
Sample Results: **VN085732.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
Data File : VN085732.D
Acq On : 10 Feb 2025 18:35
Operator : JC\MD
Sample : Q1331-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW1R

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
Data File : VN085732.D
Acq On : 10 Feb 2025 18:35
Operator : JC\MD
Sample : Q1331-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW1R

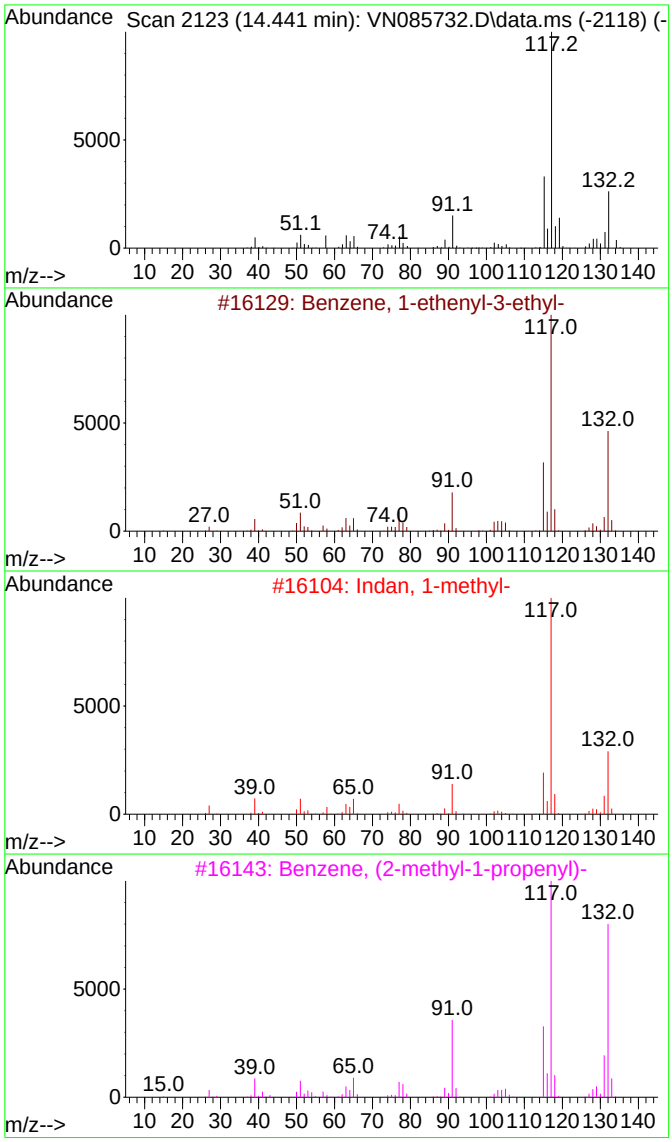
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260

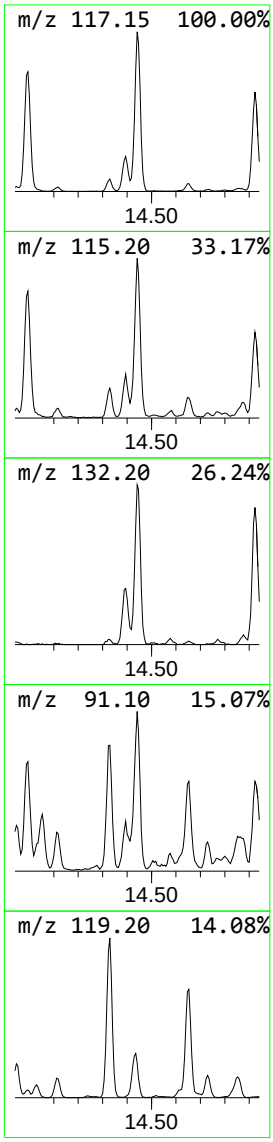
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 1 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 5

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 14.441 | 55.75 ug/l | 1102240 | 1,4-Dichlorobenzene-d4 | 13.788 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, 1-ethenyl-3-ethyl- | 132 | C10H12 | 007525-62-4 | 83 |
| 2 | Indan, 1-methyl- | 132 | C10H12 | 000767-58-8 | 81 |
| 3 | Benzene, (2-methyl-1-propenyl)- | 132 | C10H12 | 000768-49-0 | 78 |
| 4 | Benzene, 2-butenyl- | 132 | C10H12 | 001560-06-1 | 72 |
| 5 | Benzene, (2-methyl-2-propenyl)- | 132 | C10H12 | 003290-53-7 | 72 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
Data File : VN085732.D
Acq On : 10 Feb 2025 18:35
Operator : JC\MD
Sample : Q1331-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW1R

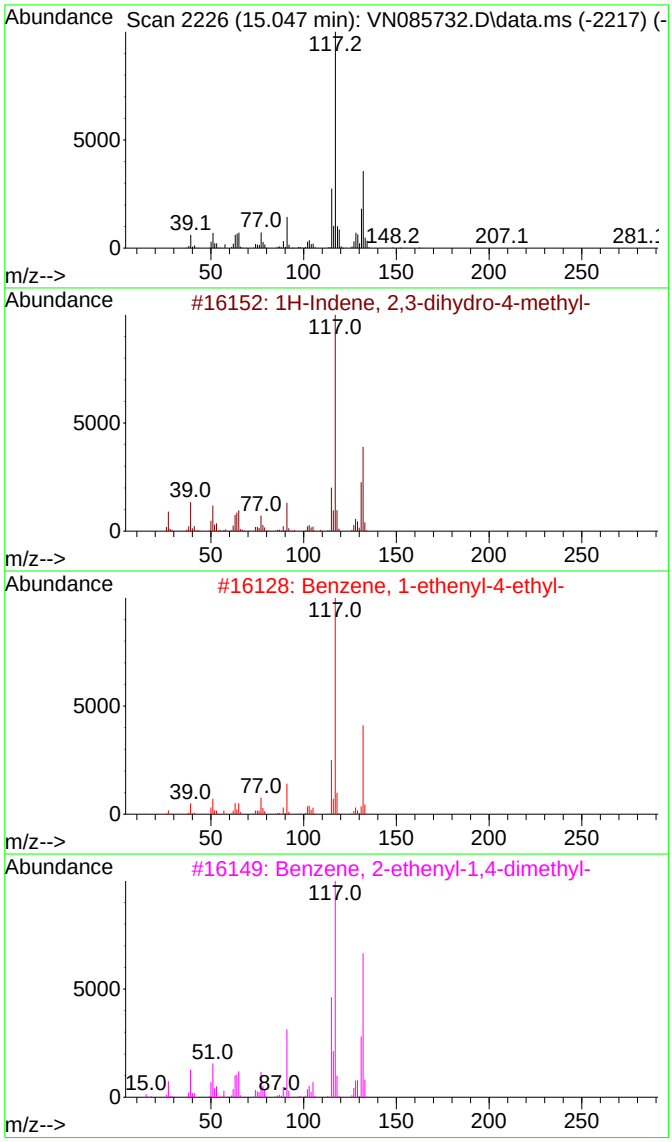
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260

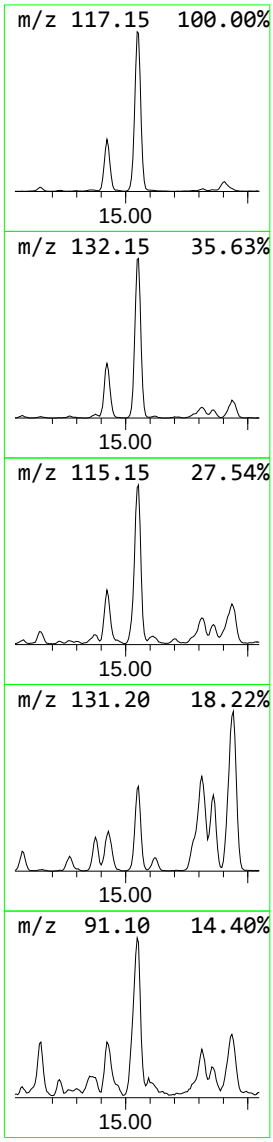
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 2 1H-Indene, 2,3-dihydro-4-me... Concentration Rank 1

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.047 | 135.03 ug/l | 2669500 | 1,4-Dichlorobenzene-d4 | 13.788 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indene, 2,3-dihydro-4-methyl- | 132 | C10H12 | 000824-22-6 | 95 |
| 2 | Benzene, 1-ethenyl-4-ethyl- | 132 | C10H12 | 003454-07-7 | 94 |
| 3 | Benzene, 2-ethenyl-1,4-dimethyl- | 132 | C10H12 | 002039-89-6 | 92 |
| 4 | 1H-Indene, 2,3-dihydro-5-methyl- | 132 | C10H12 | 000874-35-1 | 91 |
| 5 | Benzene, 1-ethenyl-3-ethyl- | 132 | C10H12 | 007525-62-4 | 90 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
Data File : VN085732.D
Acq On : 10 Feb 2025 18:35
Operator : JC\MD
Sample : Q1331-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW1R

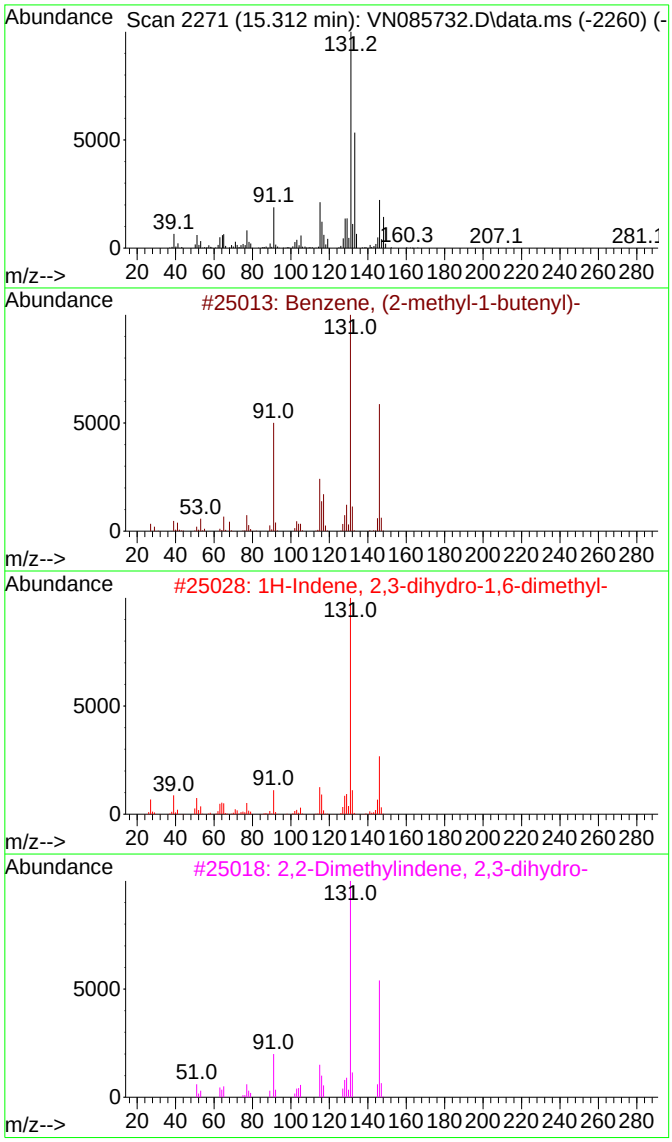
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260

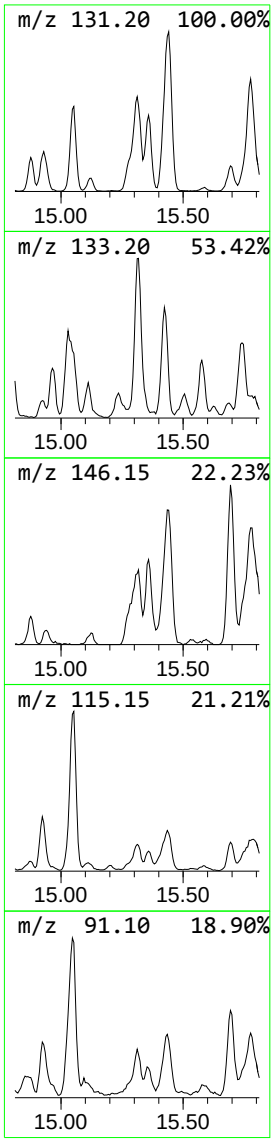
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 3 Benzene, (2-methyl-1-butenyl)- Concentration Rank 7

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.312 | 42.02 ug/l | 830789 | 1,4-Dichlorobenzene-d4 | 13.788 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Benzene, (2-methyl-1-butenyl)- | 146 | C11H14 | 056253-64-6 | 89 |
| 2 | 1H-Indene, 2,3-dihydro-1,6-dimet... | 146 | C11H14 | 017059-48-2 | 89 |
| 3 | 2,2-Dimethylindene, 2,3-dihydro- | 146 | C11H14 | 020836-11-7 | 89 |
| 4 | 1H-Indene, 2,3-dihydro-1,3-dimet... | 146 | C11H14 | 004175-53-5 | 86 |
| 5 | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14 | 006682-71-9 | 76 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
Data File : VN085732.D
Acq On : 10 Feb 2025 18:35
Operator : JC\MD
Sample : Q1331-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW1R

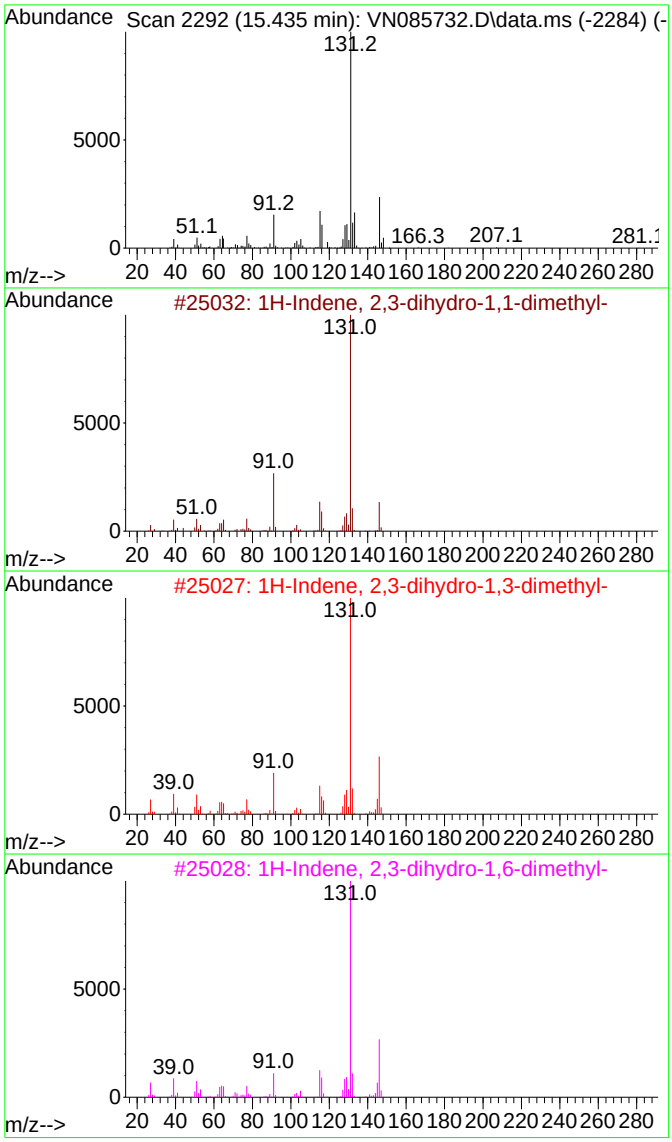
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260

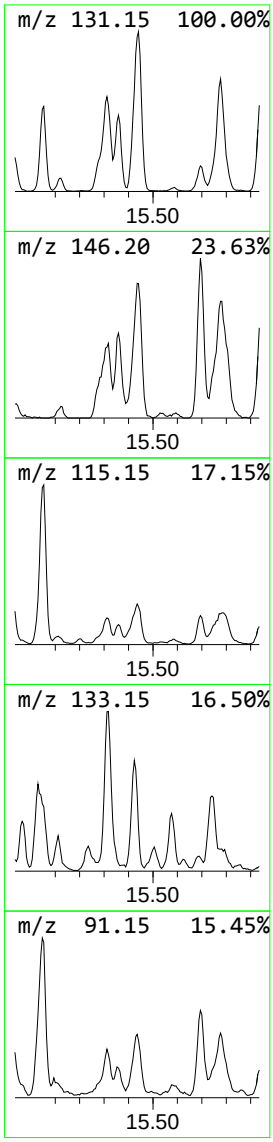
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 4 1H-Indene, 2,3-dihydro-1,1-... Concentration Rank 6

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.435 | 53.83 ug/l | 1064280 | 1,4-Dichlorobenzene-d4 | 13.788 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indene, 2,3-dihydro-1,1-dimet... | 146 | C11H14 | 004912-92-9 | 90 |
| 2 | 1H-Indene, 2,3-dihydro-1,3-dimet... | 146 | C11H14 | 004175-53-5 | 90 |
| 3 | 1H-Indene, 2,3-dihydro-1,6-dimet... | 146 | C11H14 | 017059-48-2 | 90 |
| 4 | 2,2-Dimethylindene, 2,3-dihydro- | 146 | C11H14 | 020836-11-7 | 90 |
| 5 | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14 | 001559-81-5 | 87 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
Data File : VN085732.D
Acq On : 10 Feb 2025 18:35
Operator : JC\MD
Sample : Q1331-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW1R

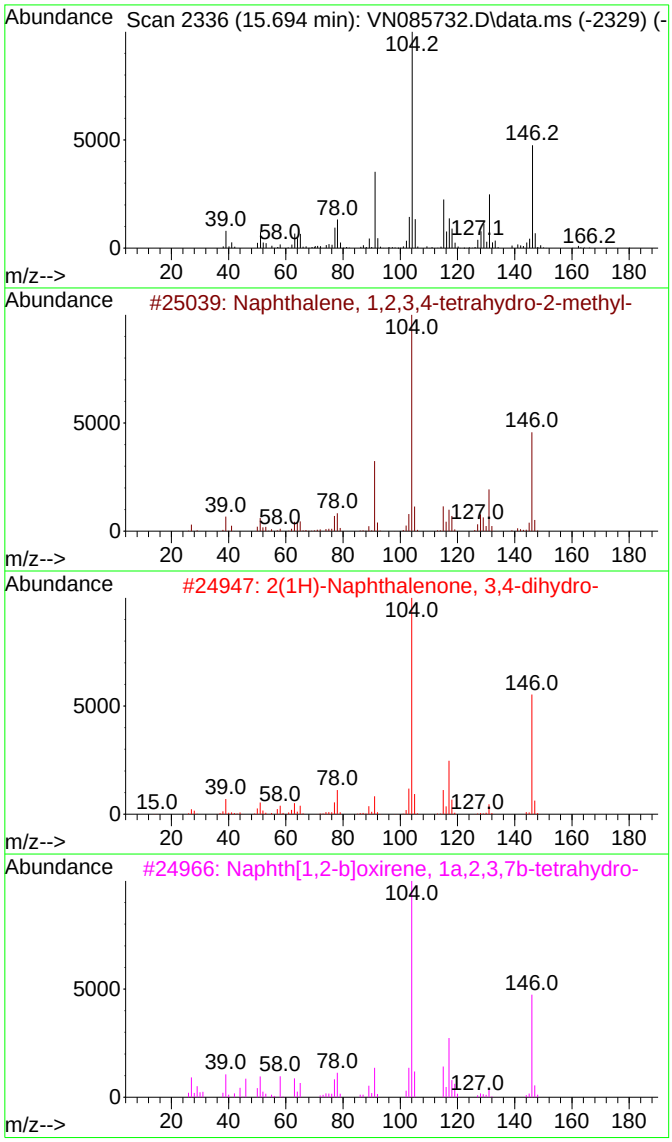
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260

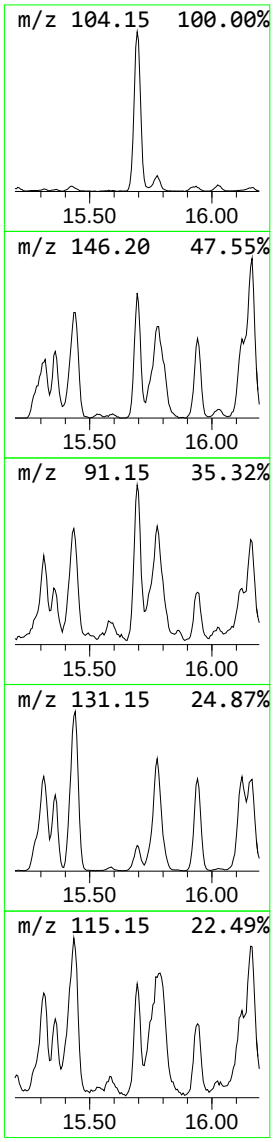
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 5 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 8

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.694 | 37.95 ug/l | 750349 | 1,4-Dichlorobenzene-d4 | 13.788 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14 | 003877-19-8 | 96 |
| 2 | 2(1H)-Naphthalenone, 3,4-dihydro- | 146 | C10H10O | 000530-93-8 | 68 |
| 3 | Naphth[1,2-b]oxirene, 1a,2,3,7b-... | 146 | C10H10O | 002461-34-9 | 62 |
| 4 | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16 | 021564-92-1 | 43 |
| 5 | 2-Azetidinone, 4-phenyl- | 147 | C9H9NO | 005661-55-2 | 43 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
Data File : VN085732.D
Acq On : 10 Feb 2025 18:35
Operator : JC\MD
Sample : Q1331-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW1R

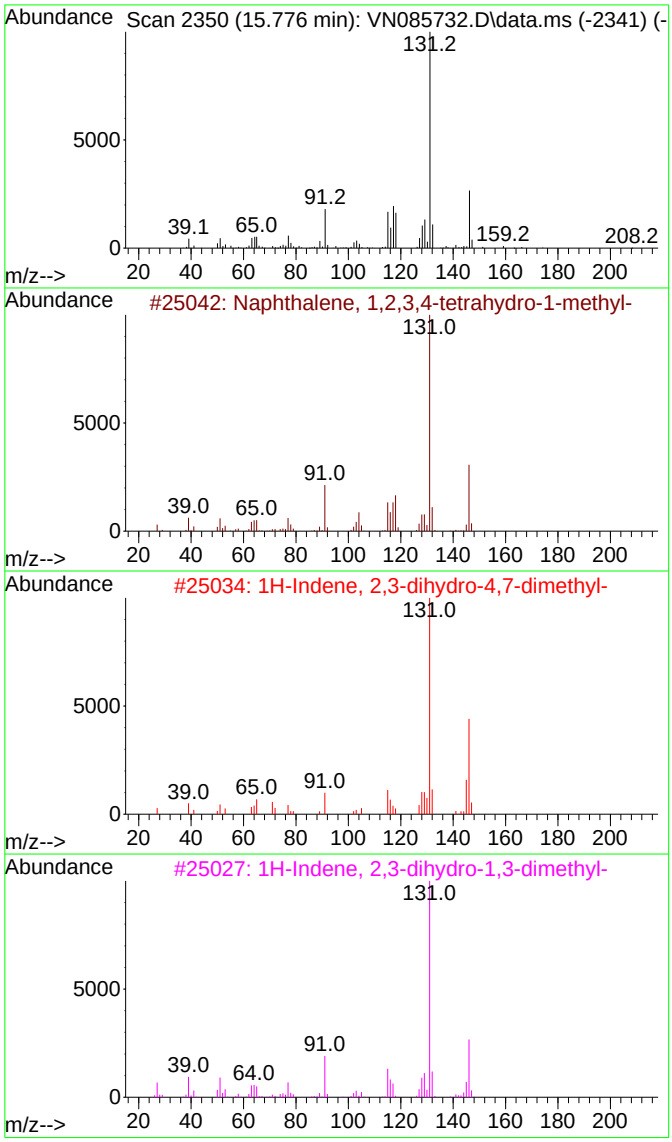
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260

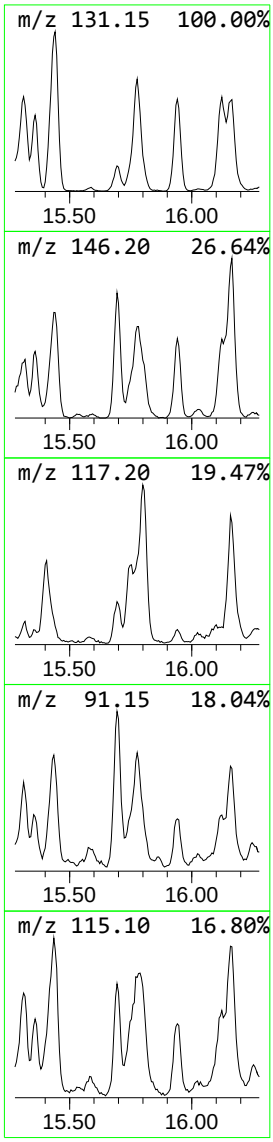
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 6 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 2

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 15.776 | 77.87 ug/l | 1539440 | 1,4-Dichlorobenzene-d4 | 13.788 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14 | 001559-81-5 | 91 |
| 2 | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14 | 006682-71-9 | 87 |
| 3 | 1H-Indene, 2,3-dihydro-1,3-dimet... | 146 | C11H14 | 004175-53-5 | 87 |
| 4 | 1H-Indene, 2,3-dihydro-1,2-dimet... | 146 | C11H14 | 017057-82-8 | 87 |
| 5 | Benzene, (1,2-dimethyl-1-propenyl)- | 146 | C11H14 | 000769-57-3 | 87 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
Data File : VN085732.D
Acq On : 10 Feb 2025 18:35
Operator : JC\MD
Sample : Q1331-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW1R

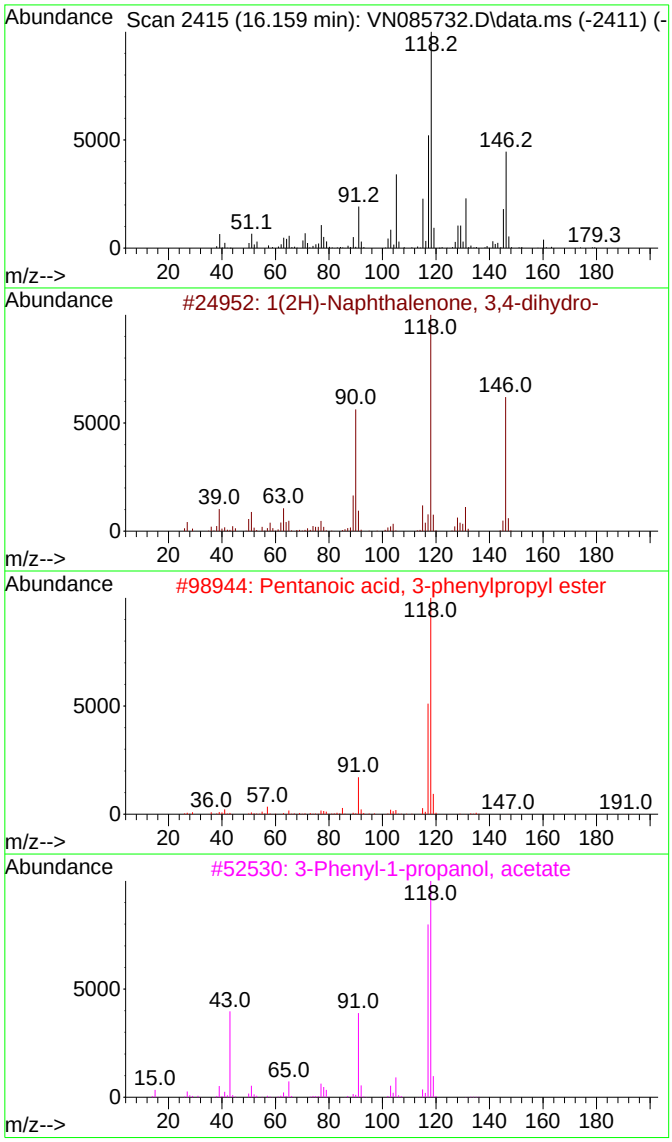
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260

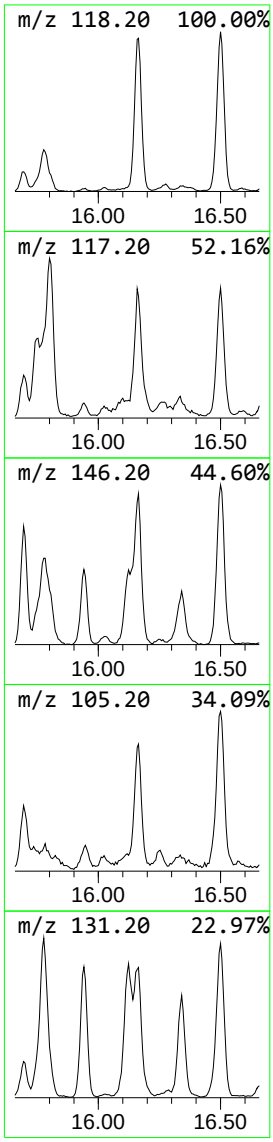
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 7 1(2H)-Naphthalenone, 3,4-di... Concentration Rank 4

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.159 | 56.03 ug/l | 1107650 | 1,4-Dichlorobenzene-d4 | 13.788 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1(2H)-Naphthalenone, 3,4-dihydro- | 146 | C10H10O | 000529-34-0 | 50 |
| 2 | Pentanoic acid, 3-phenylpropyl e... | 220 | C14H20O2 | 005451-88-7 | 38 |
| 3 | 3-Phenyl-1-propanol, acetate | 178 | C11H14O2 | 000122-72-5 | 38 |
| 4 | Propanoic acid, 2-methyl-, 3-phe... | 206 | C13H18O2 | 000103-58-2 | 38 |
| 5 | 2-Ethylbutyric acid, 3-phenylpro... | 234 | C15H22O2 | 1000369-67-0 | 38 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
Data File : VN085732.D
Acq On : 10 Feb 2025 18:35
Operator : JC\MD
Sample : Q1331-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW1R

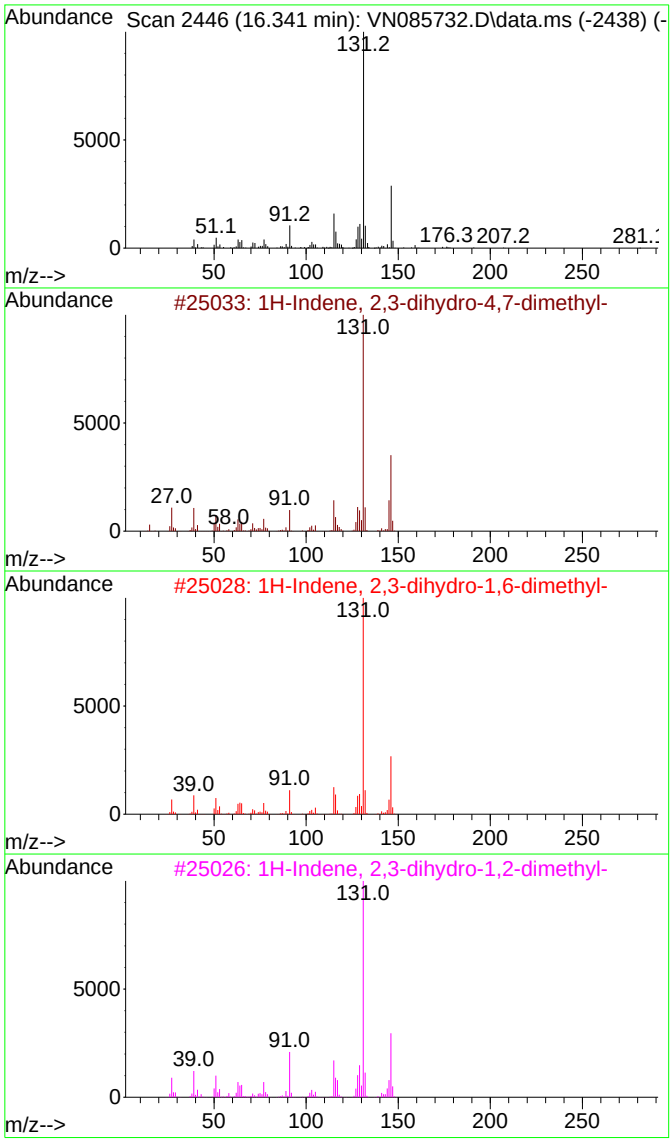
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260

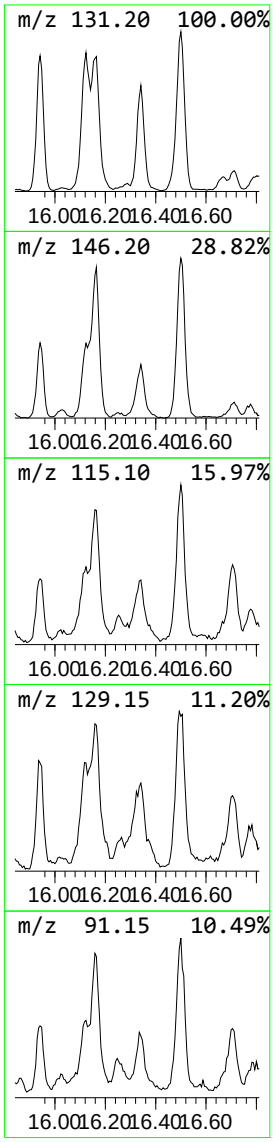
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 8 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 10

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.341 | 35.29 ug/l | 697623 | 1,4-Dichlorobenzene-d4 | 13.788 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14 | 006682-71-9 | 94 |
| 2 | 1H-Indene, 2,3-dihydro-1,6-dimet... | 146 | C11H14 | 017059-48-2 | 94 |
| 3 | 1H-Indene, 2,3-dihydro-1,2-dimet... | 146 | C11H14 | 017057-82-8 | 91 |
| 4 | Benzene, 1-methyl-4-(1-methyl-2-... | 146 | C11H14 | 097664-18-1 | 91 |
| 5 | 1H-Indene, 2,3-dihydro-1,1-dimet... | 146 | C11H14 | 004912-92-9 | 91 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
Data File : VN085732.D
Acq On : 10 Feb 2025 18:35
Operator : JC\MD
Sample : Q1331-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW1R

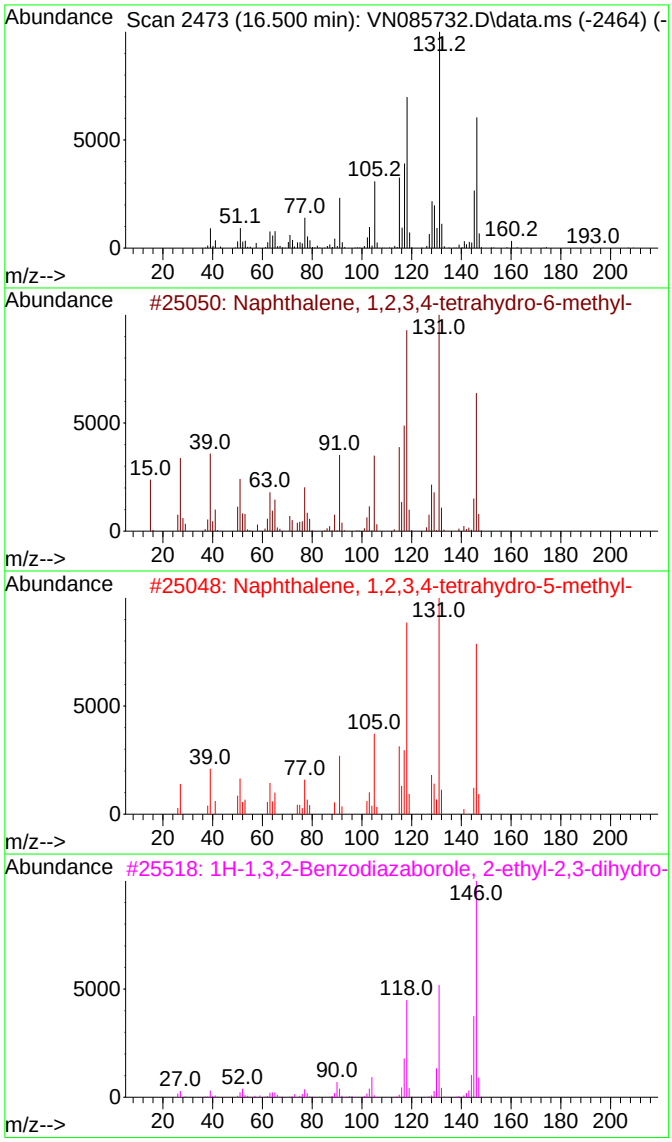
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260

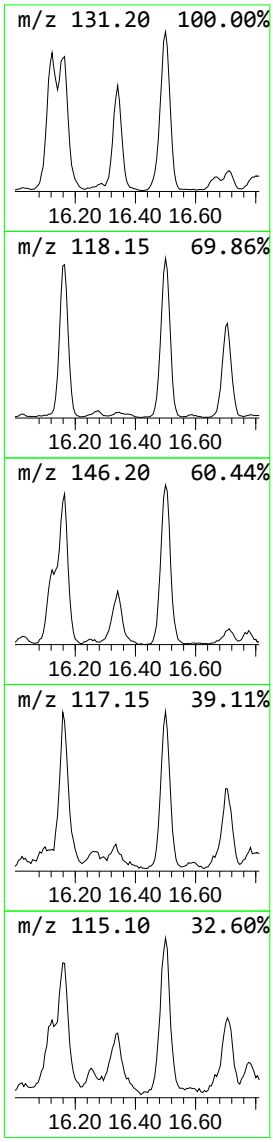
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 9 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 3

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.500 | 68.74 ug/l | 1358880 | 1,4-Dichlorobenzene-d4 | 13.788 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14 | 001680-51-9 | 95 |
| 2 | Naphthalene, 1,2,3,4-tetrahydro-... | 146 | C11H14 | 002809-64-5 | 95 |
| 3 | 1H-1,3,2-Benzodiazaborole, 2-eth... | 146 | C8H11BN2 | 074663-81-3 | 90 |
| 4 | 1H-Indene, 2,3-dihydro-4,7-dimet... | 146 | C11H14 | 006682-71-9 | 64 |
| 5 | 2-Propyn-1-ol, 3-(4-methylphenyl)- | 146 | C10H10O | 016017-24-6 | 62 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
Data File : VN085732.D
Acq On : 10 Feb 2025 18:35
Operator : JC\MD
Sample : Q1331-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW1R

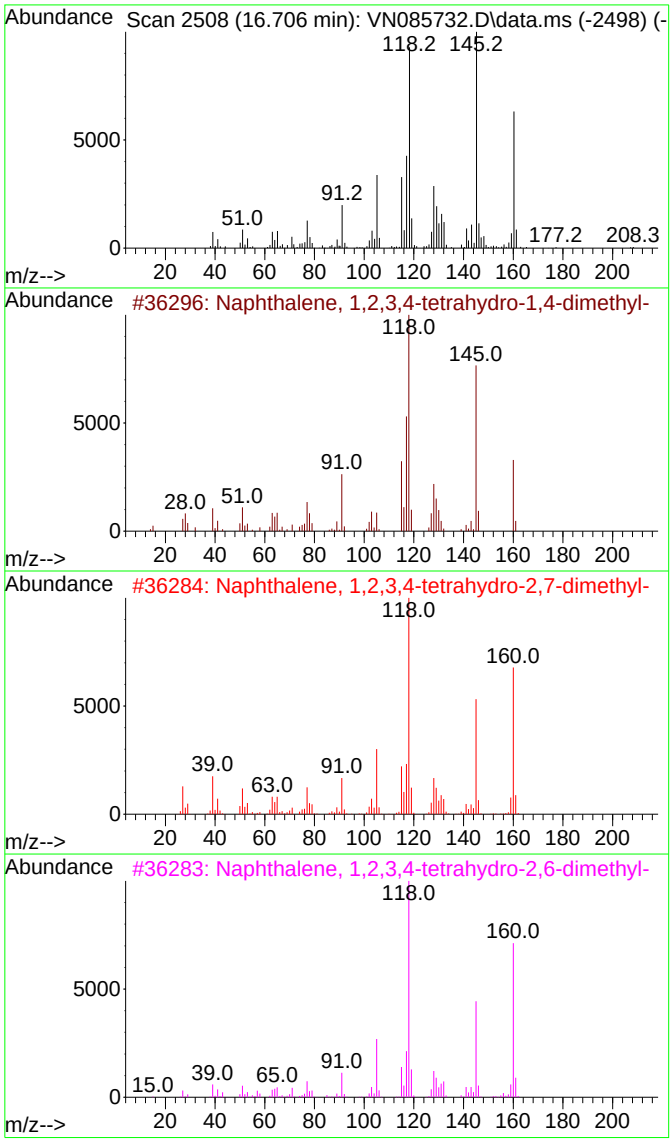
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260

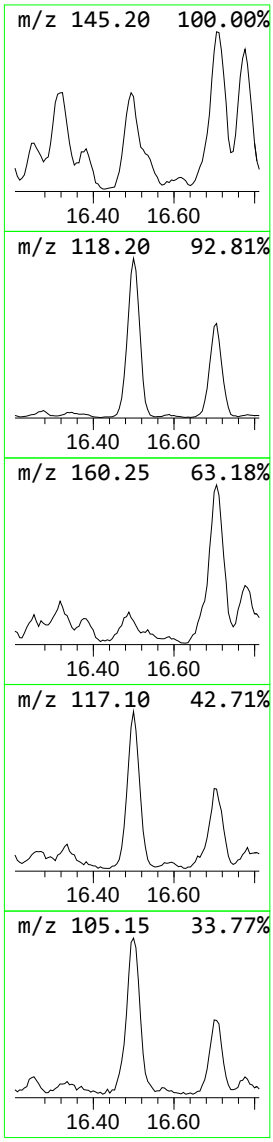
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

**********
Peak Number 10 Naphthalene, 1,2,3,4-tetrah... Concentration Rank 9

| R.T. | EstConc | Area | Relative to ISTD | R.T. |
|---|---|---|---|---|
| 16.706 | 35.76 ug/l | 707054 | 1,4-Dichlorobenzene-d4 | 13.788 |

| Hit# of 5 | Tentative ID | MW | MolForm | CAS# | Qual |
|---|---|---|---|---|---|
| 1 | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16 | 004175-54-6 | 93 |
| 2 | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16 | 013065-07-1 | 76 |
| 3 | Naphthalene, 1,2,3,4-tetrahydro-... | 160 | C12H16 | 007524-63-2 | 64 |
| 4 | Benzene, 1-(1-methylethenyl)-3-(... | 160 | C12H16 | 001129-29-9 | 60 |
| 5 | Benzene, 1,2,4-trimethyl-5-(1-me... | 160 | C12H16 | 054340-84-0 | 60 |



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
Data File : VN085732.D
Acq On : 10 Feb 2025 18:35
Operator : JC\MD
Sample : Q1331-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
MW1R

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260

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

| | | | | | Internal Standard | | | |
|---|---|---|---|---|---|---|---|---|
| TIC Top Hit name | RT | EstConc | Units | Response | # | RT | Resp | Conc |
| Benzene, 1-ethe... | 14.441 | 55.8 | ug/l | 1102240 | 4 | 13.788 | 988478 | 50.0 |
| 1H-Indene, 2,3-... | 15.047 | 135.0 | ug/l | 2669500 | 4 | 13.788 | 988478 | 50.0 |
| Benzene, (2-met... | 15.312 | 42.0 | ug/l | 830789 | 4 | 13.788 | 988478 | 50.0 |
| 1H-Indene, 2,3-... | 15.435 | 53.8 | ug/l | 1064280 | 4 | 13.788 | 988478 | 50.0 |
| Naphthalene, 1,... | 15.694 | 38.0 | ug/l | 750349 | 4 | 13.788 | 988478 | 50.0 |
| Naphthalene, 1,... | 15.776 | 77.9 | ug/l | 1539440 | 4 | 13.788 | 988478 | 50.0 |
| 1(2H)-Naphthale... | 16.159 | 56.0 | ug/l | 1107650 | 4 | 13.788 | 988478 | 50.0 |
| 1H-Indene, 2,3-... | 16.341 | 35.3 | ug/l | 697623 | 4 | 13.788 | 988478 | 50.0 |
| Naphthalene, 1,... | 16.500 | 68.7 | ug/l | 1358880 | 4 | 13.788 | 988478 | 50.0 |
| Naphthalene, 1,... | 16.706 | 35.8 | ug/l | 707054 | 4 | 13.788 | 988478 | 50.0 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
Data File : VN085720.D
Acq On : 10 Feb 2025 13:12
Operator : JC\MD
Sample : VN0210WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
VN0210WBL01

Quant Time: Feb 11 03:20:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

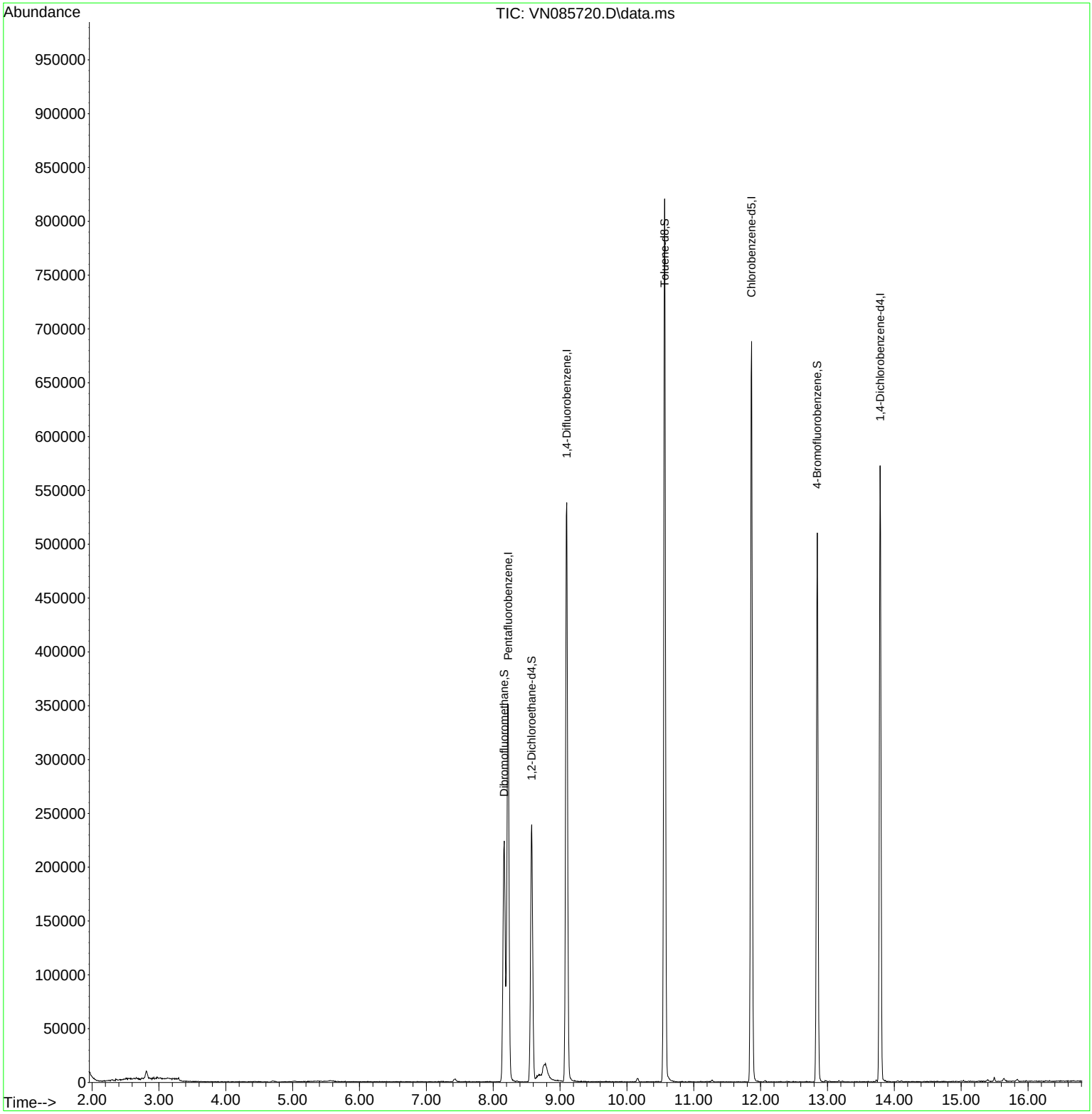
| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) Pentafluorobenzene | 8.224 | 168 | 252400 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 9.100 | 114 | 469407 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.865 | 117 | 394938 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.788 | 152 | 156176 | 50.000 | ug/l | 0.00 |
| System Monitoring Compounds | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.576 | 65 | 194879 | 47.832 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 95.660% | | | |
| 35) Dibromofluoromethane | 8.165 | 113 | 163357 | 50.163 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 100.320% | | | |
| 50) Toluene-d8 | 10.565 | 98 | 559089 | 48.321 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 96.640% | | | |
| 62) 4-Bromofluorobenzene | 12.847 | 95 | 174849 | 44.177 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 88.360% | | | |
| Target Compounds | | | | | | Qvalue |

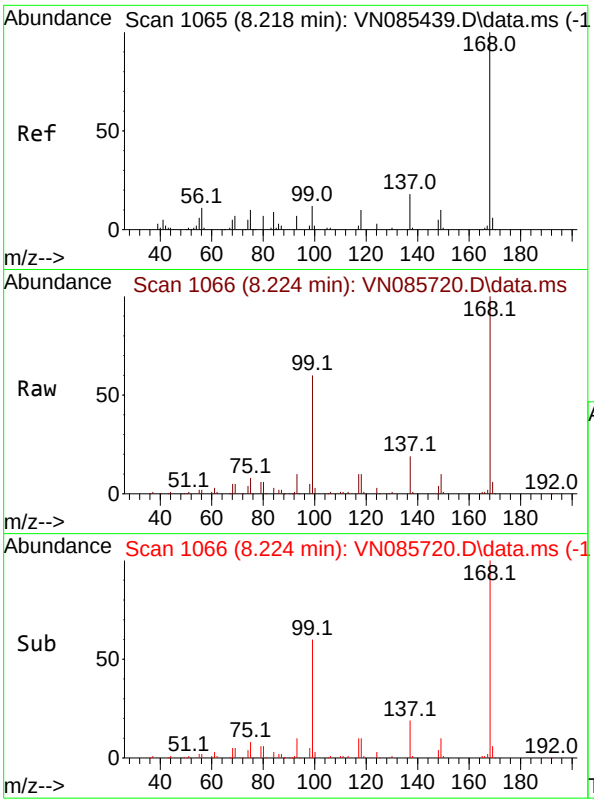
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
Data File : VN085720.D
Acq On : 10 Feb 2025 13:12
Operator : JC\MD
Sample : VN0210WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
VN0210WBL01

Quant Time: Feb 11 03:20:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration



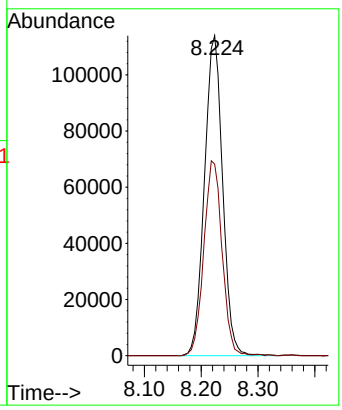


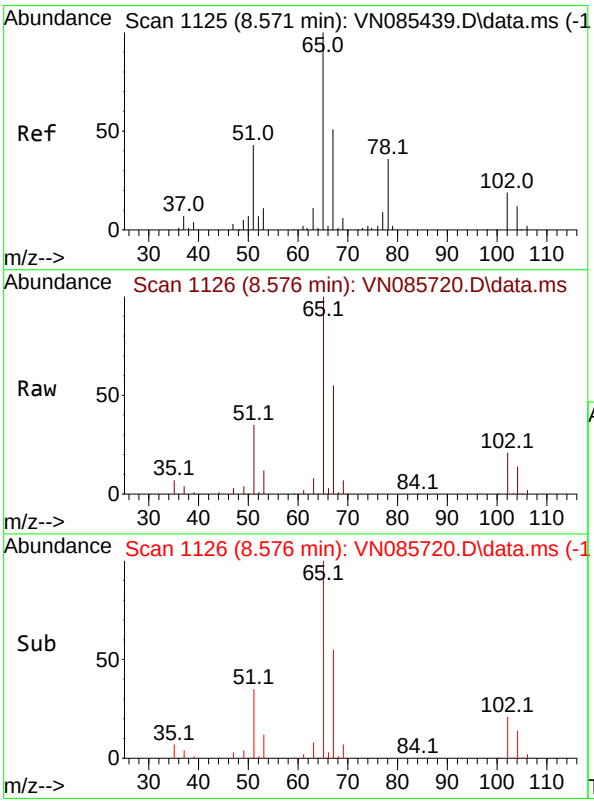

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085720.D
Acq: 10 Feb 2025 13:12

**Instrument :**
MSVOA_N
**ClientSampleId :**
VN0210WBL01

Tgt Ion:168 Resp: 252400

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 168 | 100 | | |
| 99 | 59.9 | 53.6 | 80.4 |

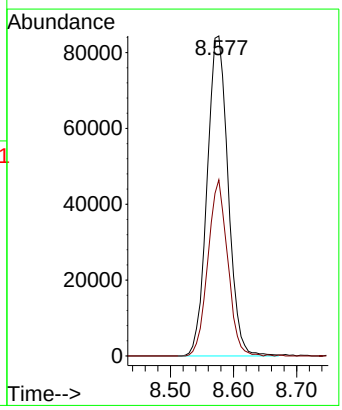


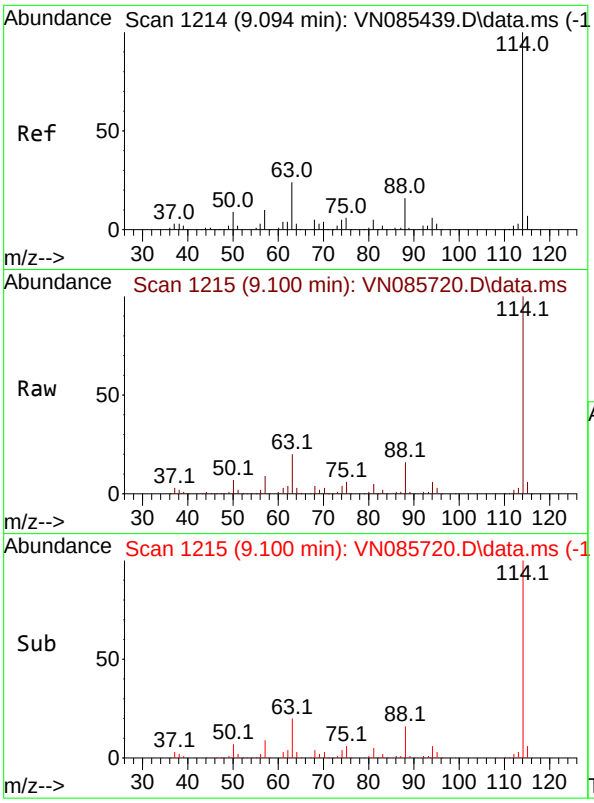




#33
1,2-Dichloroethane-d4
Concen: 47.832 ug/l
RT: 8.576 min Scan# 1126
Delta R.T. 0.006 min
Lab File: VN085720.D
Acq: 10 Feb 2025 13:12

Tgt Ion: 65 Resp: 194879

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 65 | 100 | | |
| 67 | 51.8 | 0.0 | 101.6 |



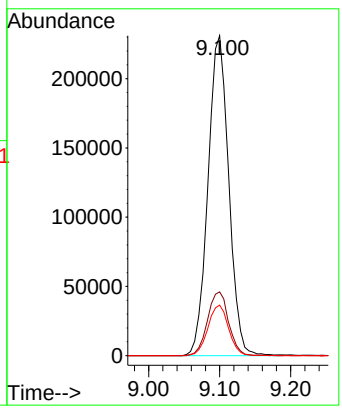


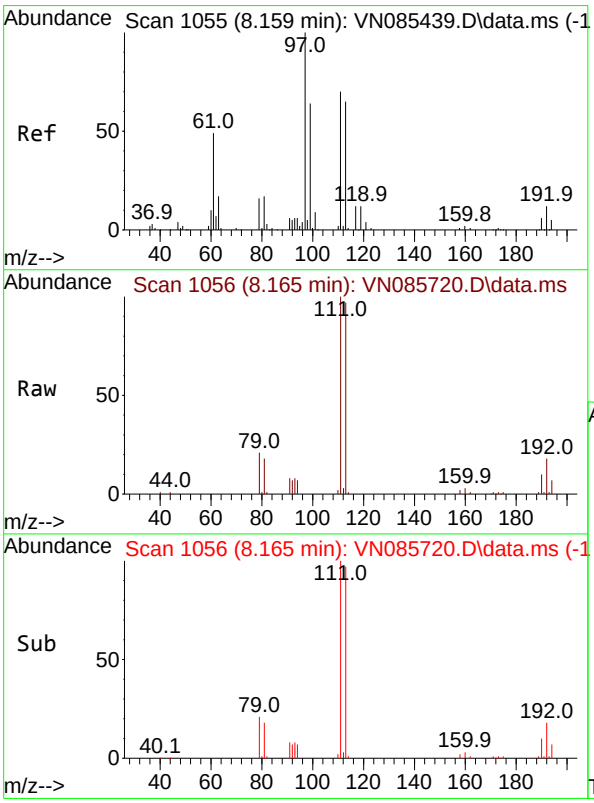

#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.100 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN085720.D
Acq: 10 Feb 2025 13:12

**Instrument :**
MSVOA_N
**ClientSampleId :**
VN0210WBL01

Tgt Ion:114 Resp: 469407

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 114 | 100 | | |
| 63 | 19.9 | 0.0 | 47.6 |
| 88 | 15.8 | 0.0 | 32.6 |

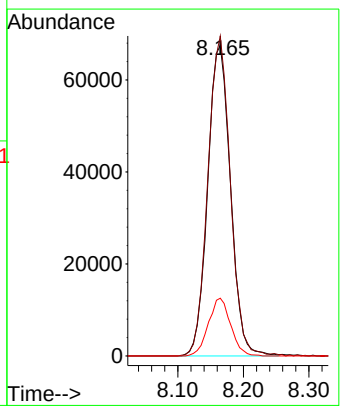


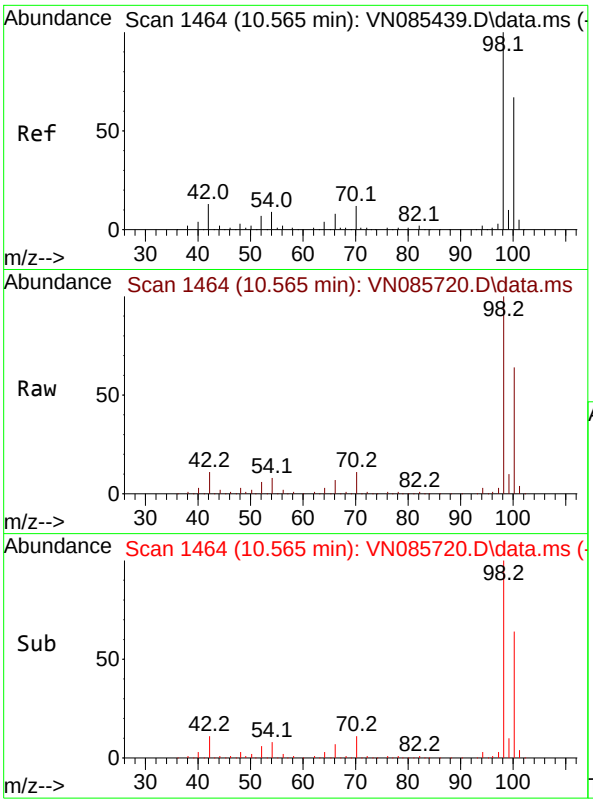




#35
Dibromofluoromethane
Concen: 50.163 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.006 min
Lab File: VN085720.D
Acq: 10 Feb 2025 13:12

Tgt Ion:113 Resp: 163357

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 113 | 100 | | |
| 111 | 101.5 | 82.7 | 124.1 |
| 192 | 18.1 | 14.3 | 21.5 |



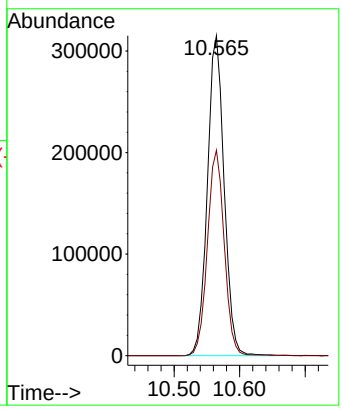


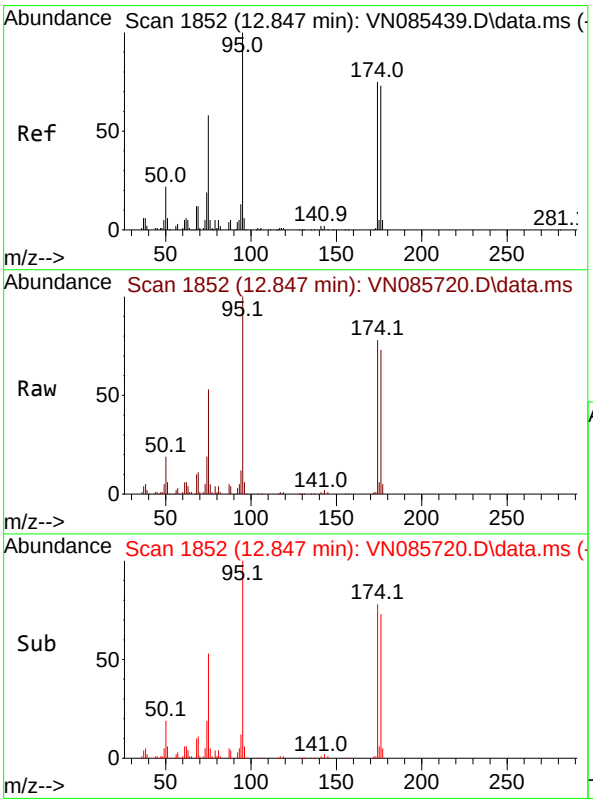

#50
Toluene-d8
Concen: 48.321 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN085720.D
Acq: 10 Feb 2025 13:12

**Instrument :**
MSVOA_N
**ClientSampleId :**
VN0210WBL01

Tgt Ion: 98 Resp: 559089

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 98 | 100 | | |
| 100 | 64.6 | 52.2 | 78.4 |

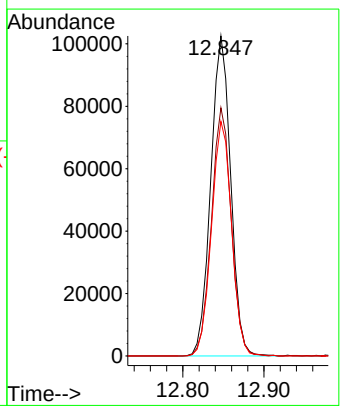


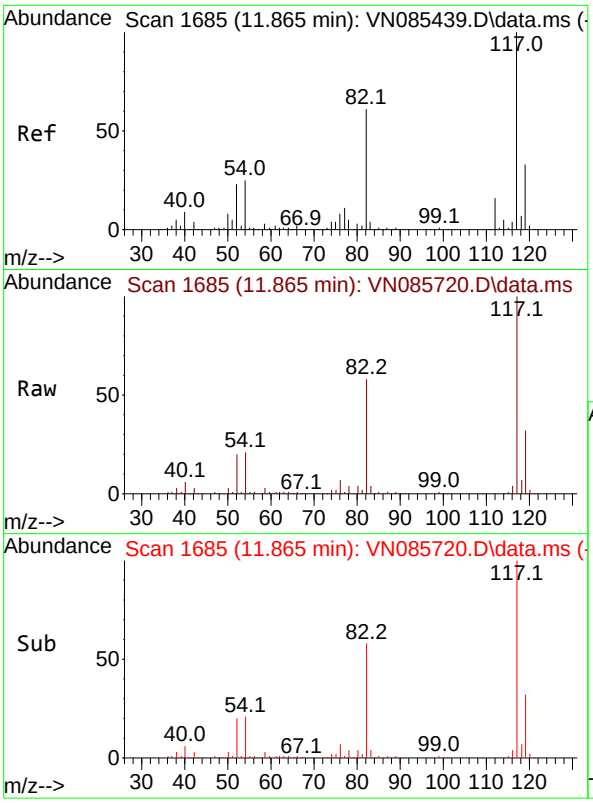




#62
4-Bromofluorobenzene
Concen: 44.177 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN085720.D
Acq: 10 Feb 2025 13:12

Tgt Ion: 95 Resp: 174849

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 95 | 100 | | |
| 174 | 77.2 | 0.0 | 145.0 |
| 176 | 73.9 | 0.0 | 142.4 |



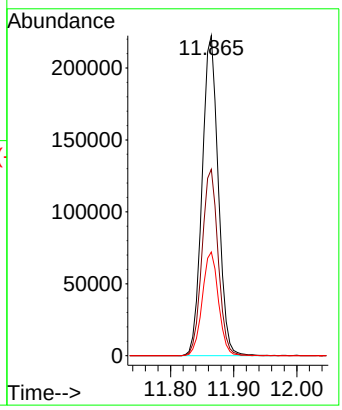


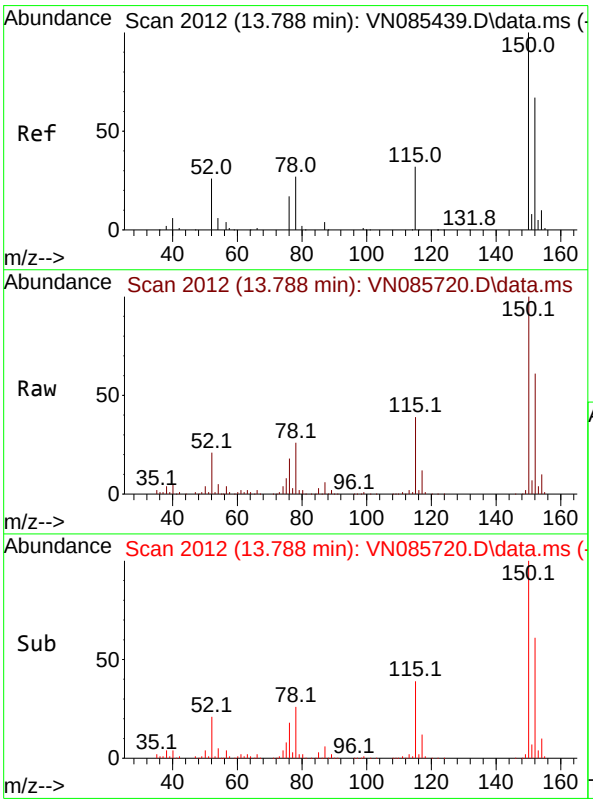

#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN085720.D
Acq: 10 Feb 2025 13:12

**Instrument :**
MSVOA_N
**ClientSampleId :**
VN0210WBL01

Tgt Ion:117 Resp: 394938

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 117 | 100 | | |
| 82 | 58.2 | 48.6 | 72.8 |
| 119 | 32.4 | 26.6 | 39.8 |

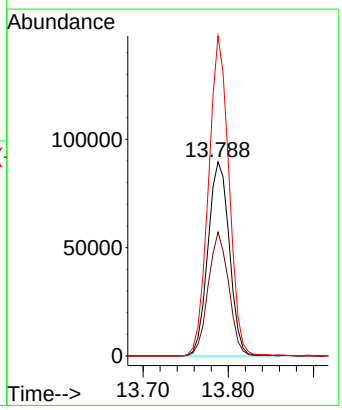



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN085720.D
Acq: 10 Feb 2025 13:12

Tgt Ion:152 Resp: 156176

| Ion | Ratio | Lower | Upper |
|---|---|---|---|
| 152 | 100 | | |
| 115 | 61.1 | 31.1 | 93.3 |
| 150 | 157.8 | 0.0 | 343.6 |



Sample Results: **VN085720.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
Data File : VN085720.D
Acq On : 10 Feb 2025 13:12
Operator : JC\MD
Sample : VN0210WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
VN0210WBL01

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Title : SW846 8260

Signal : TIC: VN085720.D\data.ms

| peak # | R.T. min | first scan | max scan | last scan | PK TY | peak height | corr. area | corr. % max. | % of total |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2.812 | 139 | 146 | 153 | rBV7 | 7222 | 16116 | 1.10% | 0.214% |
| 2 | 8.165 | 1045 | 1056 | 1060 | rBV | 223967 | 526229 | 35.78% | 7.001% |
| 3 | 8.218 | 1060 | 1065 | 1077 | rVB | 349844 | 788705 | 53.63% | 10.493% |
| 4 | 8.577 | 1115 | 1126 | 1135 | rBV | 239026 | 533892 | 36.31% | 7.103% |
| 5 | 8.771 | 1151 | 1159 | 1160 | rBV4 | 10030 | 23172 | 1.58% | 0.308% |
| 6 | 9.100 | 1205 | 1215 | 1234 | rBV | 537670 | 1102022 | 74.94% | 14.661% |
| 7 | 10.565 | 1455 | 1464 | 1483 | rBV | 820391 | 1470572 | 100.00% | 19.564% |
| 8 | 11.865 | 1676 | 1685 | 1699 | rBV | 687962 | 1229949 | 83.64% | 16.363% |
| 9 | 12.847 | 1844 | 1852 | 1862 | rBV | 510153 | 860884 | 58.54% | 11.453% |
| 10 | 13.788 | 2005 | 2012 | 2024 | rBV | 572203 | 965006 | 65.62% | 12.838% |

Sum of corrected areas: 7516547

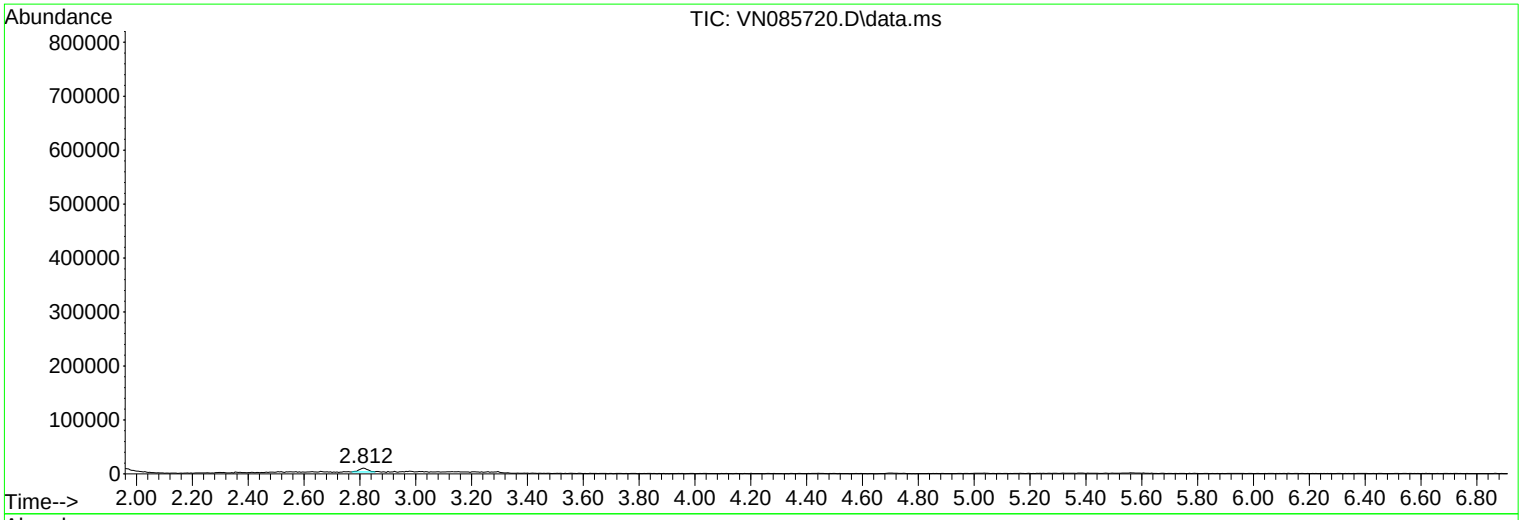
Sample Results: **VN085720.D**

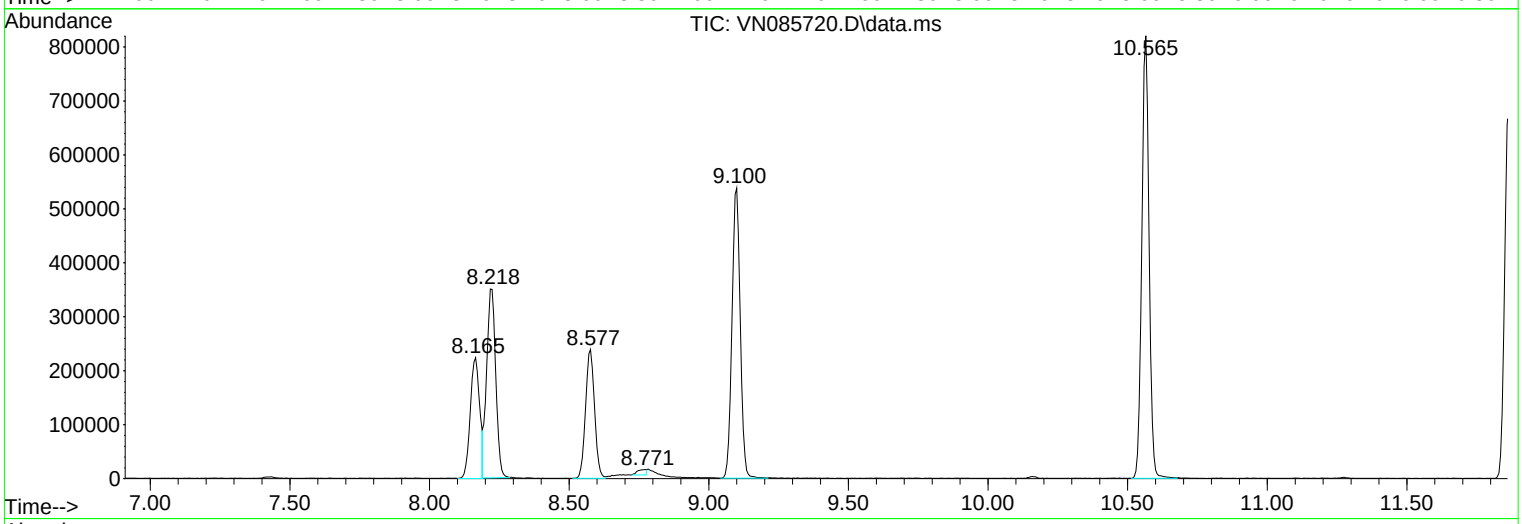
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
Data File : VN085720.D
Acq On : 10 Feb 2025 13:12
Operator : JC\MD
Sample : VN0210WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

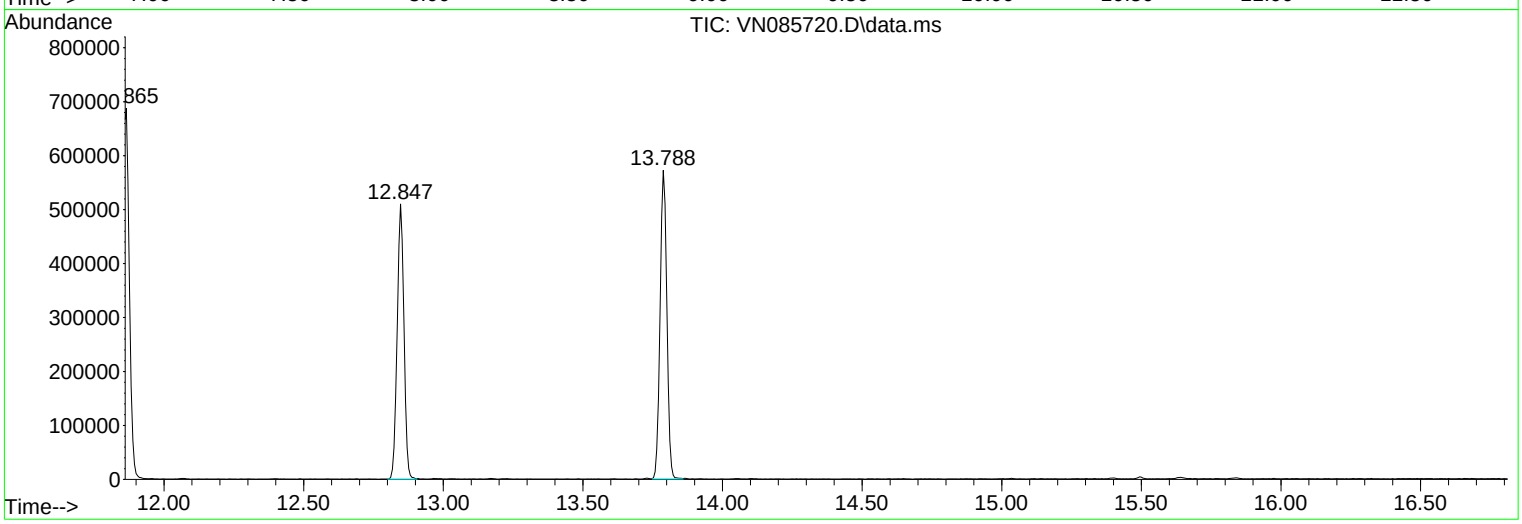
**Instrument :**
MSVOA_N
**ClientSampleId :**
VN0210WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VN085720.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
Data File : VN085720.D
Acq On : 10 Feb 2025 13:12
Operator : JC\MD
Sample : VN0210WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
VN0210WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
**********

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
Data File : VN085720.D
Acq On : 10 Feb 2025 13:12
Operator : JC\MD
Sample : VN0210WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

**Instrument :**
MSVOA_N
**ClientSampleId :**
VN0210WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
Data File : VN085721.D
Acq On : 10 Feb 2025 14:12
Operator : JC\MD
Sample : VN0210WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 11 03:20:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_N
**ClientSampleId :**
VN0210WBS01

**Manual Integrations APPROVED**

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

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) Pentafluorobenzene | 8.224 | 168 | 320498 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 9.100 | 114 | 543900 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.865 | 117 | 477598 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.788 | 152 | 232853 | 50.000 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.577 | 65 | 203246 | 39.286 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 78.580% | | | |
| 35) Dibromofluoromethane | 8.165 | 113 | 167990 | 44.520 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 89.040% | | | |
| 50) Toluene-d8 | 10.565 | 98 | 597282 | 44.551 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 89.100% | | | |
| 62) 4-Bromofluorobenzene | 12.847 | 95 | 213760 | 46.611 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 93.220% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 2.124 | 85 | 88331 | 20.355 | ug/l | 99 |
| 3) Chloromethane | 2.359 | 50 | 83326 | 17.735 | ug/l | 98 |
| 4) Vinyl Chloride | 2.512 | 62 | 88754 | 18.794 | ug/l | 99 |
| 5) Bromomethane | 2.959 | 94 | 52768 | 18.498 | ug/l | 98 |
| 6) Chloroethane | 3.124 | 64 | 53912 | 18.006 | ug/l | 97 |
| 7) Trichlorofluoromethane | 3.501 | 101 | 123240 | 17.985 | ug/l | 97 |
| 8) Diethyl Ether | 3.959 | 74 | 40137 | 16.955 | ug/l | 91 |
| 9) 1,1,2-Trichlorotrifluo... | 4.371 | 101 | 72118 | 18.686 | ug/l | 97 |
| 10) Methyl Iodide | 4.589 | 142 | 87760 | 19.856 | ug/l | 99 |
| 11) Tert butyl alcohol | 5.518 | 59 | 51371 | 86.717 | ug/l | 99 |
| 12) 1,1-Dichloroethene | 4.336 | 96 | 65001 | 18.897 | ug/l | 90 |
| 13) Acrolein | 4.177 | 56 | 40936 | 50.621 | ug/l | 97 |
| 14) Allyl chloride | 5.018 | 41 | 85957 | 15.400 | ug/l | 96 |
| 15) Acrylonitrile | 5.718 | 53 | 155679 | 82.735 | ug/l | 99 |
| 16) Acetone | 4.424 | 43 | 131435 | 78.628 | ug/l | 94 |
| 17) Carbon Disulfide | 4.712 | 76 | 190875 | 18.023 | ug/l # | 94 |
| 18) Methyl Acetate | 5.024 | 43 | 79755 | 15.690 | ug/l | 94 |
| 19) Methyl tert-butyl Ether | 5.789 | 73 | 200083 | 17.914 | ug/l | 97 |
| 20) Methylene Chloride | 5.277 | 84 | 75264 | 18.188 | ug/l | 88 |
| 21) trans-1,2-Dichloroethene | 5.783 | 96 | 68149 | 18.539 | ug/l | 96 |
| 22) Diisopropyl ether | 6.665 | 45 | 202767 | 16.367 | ug/l | 96 |
| 23) Vinyl Acetate | 6.600 | 43 | 709850 | 81.875 | ug/l | 96 |
| 24) 1,1-Dichloroethane | 6.565 | 63 | 130079 | 17.220 | ug/l | 98 |
| 25) 2-Butanone | 7.477 | 43 | 192994 | 78.456 | ug/l # | 88 |
| 26) 2,2-Dichloropropane | 7.489 | 77 | 116035 | 18.999 | ug/l | 98 |
| 27) cis-1,2-Dichloroethene | 7.483 | 96 | 77257 | 17.843 | ug/l | 96 |
| 28) Bromochloromethane | 7.812 | 49 | 57336 | 16.315 | ug/l | 89 |
| 29) Tetrahydrofuran | 7.836 | 42 | 126475 | 81.095 | ug/l | 91 |
| 30) Chloroform | 7.965 | 83 | 135647 | 17.374 | ug/l | 97 |
| 31) Cyclohexane | 8.253 | 56 | 108881 | 16.583 | ug/l | 90 |
| 32) 1,1,1-Trichloroethane | 8.165 | 97 | 119557 | 17.458 | ug/l | 95 |
| 36) 1,1-Dichloropropene | 8.371 | 75 | 93549 | 17.665 | ug/l | 98 |
| 37) Ethyl Acetate | 7.559 | 43 | 79822 | 14.933 | ug/l | 96 |
| 38) Carbon Tetrachloride | 8.359 | 117 | 109315 | 18.030 | ug/l | 98 |
| 39) Methylcyclohexane | 9.600 | 83 | 91915 | 18.470 | ug/l | 98 |
| 40) Benzene | 8.606 | 78 | 290473 | 18.255 | ug/l | 98 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
Data File : VN085721.D
Acq On : 10 Feb 2025 14:12
Operator : JC\MD
Sample : VN0210WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 11 03:20:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_N
**ClientSampleId :**
VN0210WBS01

**Manual Integrations APPROVED**

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

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 7.771 | 41 | 43060 | 15.484 | ug/l | | 93 |
| 42) 1,2-Dichloroethane | 8.665 | 62 | 98683 | 16.466 | ug/l | | 97 |
| 43) Isopropyl Acetate | 8.683 | 43 | 145019 | 16.931 | ug/l | | 99 |
| 44) Trichloroethene | 9.347 | 130 | 68649 | 18.534 | ug/l | | 97 |
| 45) 1,2-Dichloropropane | 9.618 | 63 | 69815 | 17.177 | ug/l | | 100 |
| 46) Dibromomethane | 9.706 | 93 | 50778 | 17.314 | ug/l | | 96 |
| 47) Bromodichloromethane | 9.882 | 83 | 105660 | 17.684 | ug/l | | 100 |
| 48) Methyl methacrylate | 9.677 | 41 | 61288 | 15.900 | ug/l | | 93 |
| 49) 1,4-Dioxane | 9.688 | 88 | 23751 | 365.912 | ug/l | | 94 |
| 51) 4-Methyl-2-Pentanone | 10.441 | 43 | 404517 | 81.388 | ug/l | | 95 |
| 52) Toluene | 10.624 | 92 | 179258 | 19.443 | ug/l | | 100 |
| 53) t-1,3-Dichloropropene | 10.835 | 75 | 101058 | 17.898 | ug/l | | 95 |
| 54) cis-1,3-Dichloropropene | 10.306 | 75 | 110376 | 18.301 | ug/l | | 94 |
| 55) 1,1,2-Trichloroethane | 11.012 | 97 | 66822 | 18.314 | ug/l | | 96 |
| 56) Ethyl methacrylate | 10.871 | 69 | 94038 | 16.640 | ug/l | | 89 |
| 57) 1,3-Dichloropropane | 11.159 | 76 | 113364 | 17.868 | ug/l | | 100 |
| 58) 2-Chloroethyl Vinyl ether | 10.159 | 63 | 200212 | 86.468 | ug/l | | 97 |
| 59) 2-Hexanone | 11.194 | 43 | 287586 | 82.233 | ug/l | | 93 |
| 60) Dibromochloromethane | 11.359 | 129 | 79667 | 18.085 | ug/l | | 100 |
| 61) 1,2-Dibromoethane | 11.471 | 107 | 66280 | 18.249 | ug/l | | 99 |
| 64) Tetrachloroethene | 11.100 | 164 | 64003 | 19.657 | ug/l | | 99 |
| 65) Chlorobenzene | 11.888 | 112 | 194870 | 18.625 | ug/l | | 98 |
| 66) 1,1,1,2-Tetrachloroethane | 11.959 | 131 | 68857 | 17.932 | ug/l | | 98 |
| 67) Ethyl Benzene | 11.959 | 91 | 319020 | 18.721 | ug/l | | 98 |
| 68) m/p-Xylenes | 12.071 | 106 | 251837 | 39.987 | ug/l | | 97 |
| 69) o-Xylene | 12.394 | 106 | 115933 | 19.262 | ug/l | | 98 |
| 70) Styrene | 12.406 | 104 | 196059 | 19.683 | ug/l | | 98 |
| 71) Bromoform | 12.576 | 173 | 52382 | 19.065 | ug/l | # | 99 |
| 73) Isopropylbenzene | 12.694 | 105 | 292203 | 18.593 | ug/l | | 99 |
| 74) N-amyl acetate | 12.494 | 43 | 109562 | 15.510 | ug/l | | 93 |
| 75) 1,1,2,2-Tetrachloroethane | 12.935 | 83 | 93715 | 16.881 | ug/l | | 100 |
| 76) 1,2,3-Trichloropropane | 12.994 | 75 | 87763m | 18.544 | ug/l | | |
| 77) Bromobenzene | 12.976 | 156 | 74162 | 18.062 | ug/l | | 96 |
| 78) n-propylbenzene | 13.035 | 91 | 346882 | 18.645 | ug/l | | 99 |
| 79) 2-Chlorotoluene | 13.123 | 91 | 215960 | 17.936 | ug/l | | 96 |
| 80) 1,3,5-Trimethylbenzene | 13.170 | 105 | 247091 | 19.035 | ug/l | | 100 |
| 81) trans-1,4-Dichloro-2-b... | 12.735 | 75 | 32042m | 18.317 | ug/l | | |
| 82) 4-Chlorotoluene | 13.218 | 91 | 222118 | 18.527 | ug/l | | 98 |
| 83) tert-Butylbenzene | 13.435 | 119 | 198026 | 18.165 | ug/l | | 97 |
| 84) 1,2,4-Trimethylbenzene | 13.482 | 105 | 249382 | 19.275 | ug/l | | 99 |
| 85) sec-Butylbenzene | 13.612 | 105 | 284863 | 18.854 | ug/l | | 100 |
| 86) p-Isopropyltoluene | 13.729 | 119 | 238678 | 19.005 | ug/l | | 98 |
| 87) 1,3-Dichlorobenzene | 13.729 | 146 | 139515 | 18.451 | ug/l | | 98 |
| 88) 1,4-Dichlorobenzene | 13.812 | 146 | 137627 | 17.560 | ug/l | | 100 |
| 89) n-Butylbenzene | 14.053 | 91 | 192550 | 17.764 | ug/l | | 99 |
| 90) Hexachloroethane | 14.329 | 117 | 49134 | 17.083 | ug/l | | 98 |
| 91) 1,2-Dichlorobenzene | 14.106 | 146 | 134016 | 17.768 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 14.717 | 75 | 17393 | 17.157 | ug/l | | 94 |
| 93) 1,2,4-Trichlorobenzene | 15.388 | 180 | 60944 | 17.385 | ug/l | | 99 |
| 94) Hexachlorobutadiene | 15.494 | 225 | 32965 | 17.713 | ug/l | | 96 |
| 95) Naphthalene | 15.641 | 128 | 169714 | 16.224 | ug/l | | 99 |
| 96) 1,2,3-Trichlorobenzene | 15.835 | 180 | 60838 | 17.152 | ug/l | | 98 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
Data File : VN085721.D
Acq On : 10 Feb 2025 14:12
Operator : JC\MD
Sample : VN0210WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 11 03:20:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_N
**ClientSampleId :**
VN0210WBS01

**Manual Integrations APPROVED**

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

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
Data File : VN085721.D
Acq On : 10 Feb 2025 14:12
Operator : JC\MD
Sample : VN0210WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Feb 11 03:20:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_N
**ClientSampleId :**
VN0210WBS01

**Manual Integrations APPROVED**

Reviewed By :John Carlone 02/11/2025
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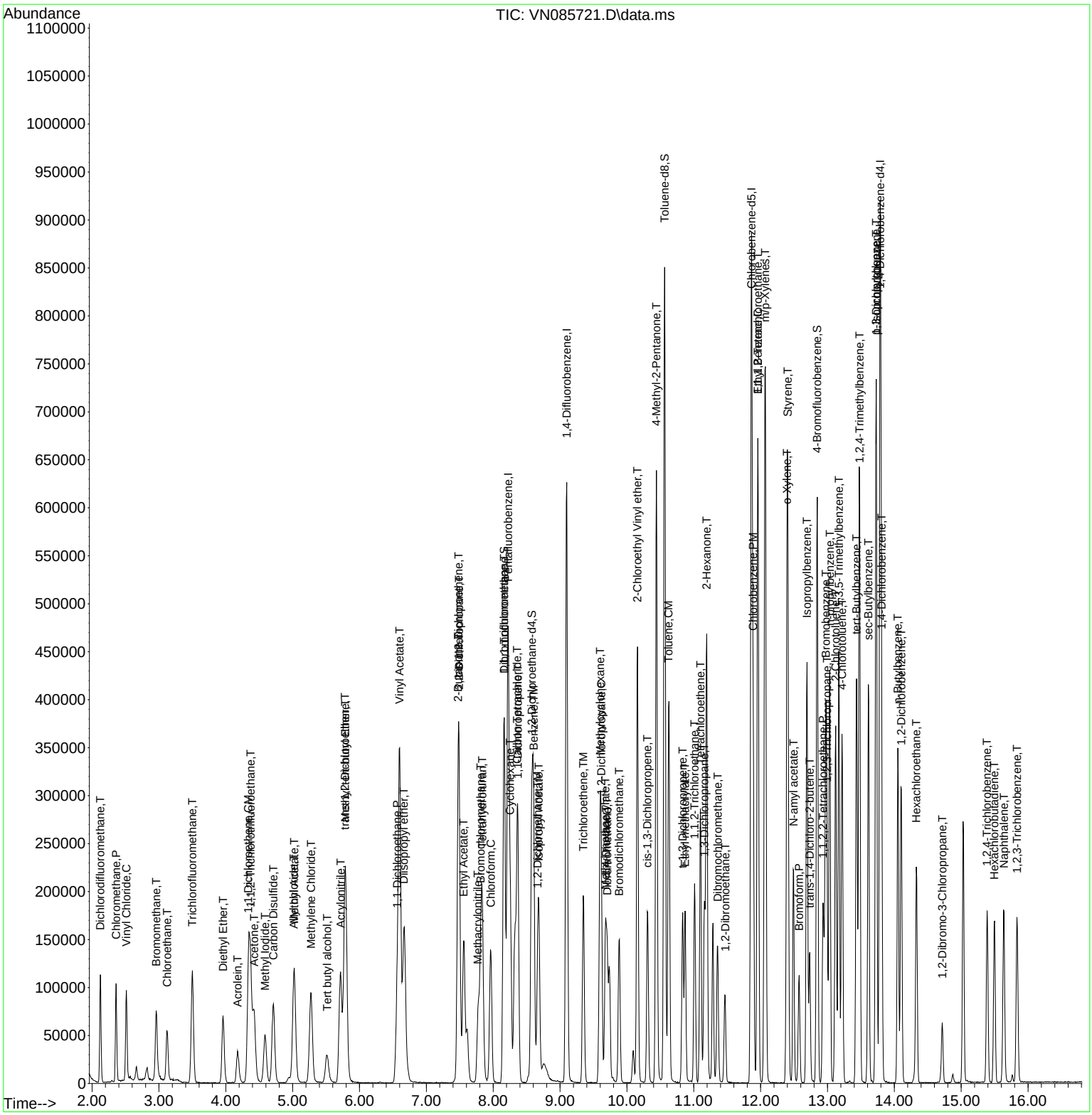

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
Data File : VN085733.D
Acq On : 10 Feb 2025 18:59
Operator : JC\MD
Sample : VN0210WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Feb 11 03:28:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_N
**ClientSampleId :**
VN0210WBSD01

**Manual Integrations APPROVED**

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

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) Pentafluorobenzene | 8.224 | 168 | 231142 | 50.000 | ug/l | 0.00 |
| 34) 1,4-Difluorobenzene | 9.100 | 114 | 403589 | 50.000 | ug/l | 0.00 |
| 63) Chlorobenzene-d5 | 11.865 | 117 | 358601 | 50.000 | ug/l | 0.00 |
| 72) 1,4-Dichlorobenzene-d4 | 13.788 | 152 | 166903 | 50.000 | ug/l | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 33) 1,2-Dichloroethane-d4 | 8.577 | 65 | 186071 | 49.870 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 74 - 125 | | Recovery = 99.740% | | | |
| 35) Dibromofluoromethane | 8.165 | 113 | 152408 | 54.433 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 75 - 124 | | Recovery = 108.860% | | | |
| 50) Toluene-d8 | 10.565 | 98 | 543357 | 54.619 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 86 - 113 | | Recovery = 109.240% | | | |
| 62) 4-Bromofluorobenzene | 12.847 | 95 | 195707 | 57.511 | ug/l | 0.00 |
| Spiked Amount 50.000 | Range 77 - 121 | | Recovery = 115.020% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 2.124 | 85 | 69902 | 22.336 | ug/l | 98 |
| 3) Chloromethane | 2.359 | 50 | 69207 | 20.424 | ug/l | 98 |
| 4) Vinyl Chloride | 2.512 | 62 | 73505 | 21.582 | ug/l | 97 |
| 5) Bromomethane | 2.954 | 94 | 42642 | 20.727 | ug/l | 93 |
| 6) Chloroethane | 3.118 | 64 | 45644 | 21.138 | ug/l | 94 |
| 7) Trichlorofluoromethane | 3.501 | 101 | 101829 | 20.605 | ug/l | 96 |
| 8) Diethyl Ether | 3.959 | 74 | 34304 | 20.093 | ug/l | 88 |
| 9) 1,1,2-Trichlorotrifluo... | 4.365 | 101 | 57836 | 20.778 | ug/l | 98 |
| 10) Methyl Iodide | 4.589 | 142 | 74089 | 23.243 | ug/l | 93 |
| 11) Tert butyl alcohol | 5.518 | 59 | 48502 | 113.525 | ug/l | 99 |
| 12) 1,1-Dichloroethene | 4.342 | 96 | 54189 | 21.844 | ug/l | 92 |
| 13) Acrolein | 4.177 | 56 | 55543 | 95.236 | ug/l | 96 |
| 14) Allyl chloride | 5.018 | 41 | 70783 | 17.584 | ug/l | 95 |
| 15) Acrylonitrile | 5.718 | 53 | 136377 | 100.496 | ug/l | 99 |
| 16) Acetone | 4.424 | 43 | 110809 | 91.915 | ug/l | 96 |
| 17) Carbon Disulfide | 4.712 | 76 | 153388 | 20.082 | ug/l | 99 |
| 18) Methyl Acetate | 5.024 | 43 | 70306 | 19.179 | ug/l | 93 |
| 19) Methyl tert-butyl Ether | 5.795 | 73 | 171132 | 21.245 | ug/l | 97 |
| 20) Methylene Chloride | 5.271 | 84 | 62100 | 20.808 | ug/l | 89 |
| 21) trans-1,2-Dichloroethene | 5.789 | 96 | 56508 | 21.315 | ug/l | 97 |
| 22) Diisopropyl ether | 6.671 | 45 | 171243 | 19.166 | ug/l | 97 |
| 23) Vinyl Acetate | 6.600 | 43 | 604661m | 96.704 | ug/l | |
| 24) 1,1-Dichloroethane | 6.571 | 63 | 108507 | 19.917 | ug/l | 98 |
| 25) 2-Butanone | 7.483 | 43 | 168816 | 95.157 | ug/l # | 89 |
| 26) 2,2-Dichloropropane | 7.489 | 77 | 93490 | 21.226 | ug/l | 97 |
| 27) cis-1,2-Dichloroethene | 7.483 | 96 | 65572 | 20.999 | ug/l | 93 |
| 28) Bromochloromethane | 7.812 | 49 | 56710 | 22.375 | ug/l | 86 |
| 29) Tetrahydrofuran | 7.836 | 42 | 114064 | 101.411 | ug/l | 91 |
| 30) Chloroform | 7.965 | 83 | 112224 | 19.931 | ug/l | 98 |
| 31) Cyclohexane | 8.253 | 56 | 86612 | 18.291 | ug/l | 92 |
| 32) 1,1,1-Trichloroethane | 8.165 | 97 | 102075 | 20.667 | ug/l | 95 |
| 36) 1,1-Dichloropropene | 8.371 | 75 | 77259 | 19.661 | ug/l | 99 |
| 37) Ethyl Acetate | 7.559 | 43 | 72999 | 18.404 | ug/l | 98 |
| 38) Carbon Tetrachloride | 8.359 | 117 | 91209 | 20.274 | ug/l | 99 |
| 39) Methylcyclohexane | 9.600 | 83 | 74319 | 20.126 | ug/l | 95 |
| 40) Benzene | 8.606 | 78 | 248602 | 21.055 | ug/l | 99 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
Data File : VN085733.D
Acq On : 10 Feb 2025 18:59
Operator : JC\MD
Sample : VN0210WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Feb 11 03:28:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_N
**ClientSampleId :**
VN0210WBSD01

**Manual Integrations APPROVED**

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

| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 41) Methacrylonitrile | 7.771 | 41 | 39995 | 19.381 | ug/l | | 97 |
| 42) 1,2-Dichloroethane | 8.671 | 62 | 86733 | 19.504 | ug/l | | 99 |
| 43) Isopropyl Acetate | 8.688 | 43 | 130144 | 20.477 | ug/l | | 99 |
| 44) Trichloroethene | 9.347 | 130 | 57172 | 20.802 | ug/l | | 92 |
| 45) 1,2-Dichloropropane | 9.618 | 63 | 59156 | 19.615 | ug/l | | 97 |
| 46) Dibromomethane | 9.706 | 93 | 43727 | 20.094 | ug/l | | 95 |
| 47) Bromodichloromethane | 9.882 | 83 | 89840 | 20.264 | ug/l | | 99 |
| 48) Methyl methacrylate | 9.677 | 41 | 55422 | 19.377 | ug/l | | 92 |
| 49) 1,4-Dioxane | 9.694 | 88 | 22461 | 466.342 | ug/l | | 95 |
| 51) 4-Methyl-2-Pentanone | 10.441 | 43 | 364061 | 98.714 | ug/l | | 95 |
| 52) Toluene | 10.629 | 92 | 150953 | 22.065 | ug/l | | 100 |
| 53) t-1,3-Dichloropropene | 10.835 | 75 | 86648 | 20.681 | ug/l | | 97 |
| 54) cis-1,3-Dichloropropene | 10.312 | 75 | 94546 | 21.126 | ug/l | | 92 |
| 55) 1,1,2-Trichloroethane | 11.012 | 97 | 57705 | 21.313 | ug/l | | 98 |
| 56) Ethyl methacrylate | 10.871 | 69 | 83395 | 19.510 | ug/l | | 91 |
| 57) 1,3-Dichloropropane | 11.159 | 76 | 97185 | 20.644 | ug/l | | 98 |
| 58) 2-Chloroethyl Vinyl ether | 10.159 | 63 | 181891 | 105.866 | ug/l | | 97 |
| 59) 2-Hexanone | 11.194 | 43 | 262185 | 101.034 | ug/l | | 93 |
| 60) Dibromochloromethane | 11.359 | 129 | 69068 | 21.130 | ug/l | | 99 |
| 61) 1,2-Dibromoethane | 11.465 | 107 | 57030 | 21.161 | ug/l | | 100 |
| 64) Tetrachloroethene | 11.100 | 164 | 52118 | 21.319 | ug/l | | 95 |
| 65) Chlorobenzene | 11.888 | 112 | 163378 | 20.797 | ug/l | | 95 |
| 66) 1,1,1,2-Tetrachloroethane | 11.959 | 131 | 60097 | 20.844 | ug/l | | 98 |
| 67) Ethyl Benzene | 11.959 | 91 | 278845 | 21.793 | ug/l | | 100 |
| 68) m/p-Xylenes | 12.071 | 106 | 214296 | 45.317 | ug/l | | 97 |
| 69) o-Xylene | 12.394 | 106 | 103912 | 22.994 | ug/l | | 97 |
| 70) Styrene | 12.406 | 104 | 170141 | 22.749 | ug/l | | 98 |
| 71) Bromoform | 12.576 | 173 | 45609 | 22.108 | ug/l | # | 98 |
| 73) Isopropylbenzene | 12.694 | 105 | 258819 | 22.976 | ug/l | | 98 |
| 74) N-amyl acetate | 12.494 | 43 | 100274 | 19.805 | ug/l | | 93 |
| 75) 1,1,2,2-Tetrachloroethane | 12.935 | 83 | 82681 | 20.779 | ug/l | | 99 |
| 76) 1,2,3-Trichloropropane | 12.988 | 75 | 64639m | 19.054 | ug/l | | |
| 77) Bromobenzene | 12.976 | 156 | 63556 | 21.596 | ug/l | | 94 |
| 78) n-propylbenzene | 13.035 | 91 | 294746 | 22.103 | ug/l | | 98 |
| 79) 2-Chlorotoluene | 13.123 | 91 | 187503 | 21.725 | ug/l | | 98 |
| 80) 1,3,5-Trimethylbenzene | 13.171 | 105 | 209301 | 22.494 | ug/l | | 98 |
| 81) trans-1,4-Dichloro-2-b... | 12.735 | 75 | 26603 | 21.217 | ug/l | | 86 |
| 82) 4-Chlorotoluene | 13.218 | 91 | 184197 | 21.435 | ug/l | | 97 |
| 83) tert-Butylbenzene | 13.435 | 119 | 179417 | 22.962 | ug/l | | 97 |
| 84) 1,2,4-Trimethylbenzene | 13.482 | 105 | 215295 | 23.216 | ug/l | | 99 |
| 85) sec-Butylbenzene | 13.612 | 105 | 250416 | 23.123 | ug/l | | 99 |
| 86) p-Isopropyltoluene | 13.723 | 119 | 210787 | 23.155 | ug/l | | 100 |
| 87) 1,3-Dichlorobenzene | 13.729 | 146 | 116748 | 21.541 | ug/l | | 97 |
| 88) 1,4-Dichlorobenzene | 13.812 | 146 | 112036 | 19.943 | ug/l | | 99 |
| 89) n-Butylbenzene | 14.053 | 91 | 177324 | 22.824 | ug/l | | 96 |
| 90) Hexachloroethane | 14.329 | 117 | 39638 | 19.226 | ug/l | | 98 |
| 91) 1,2-Dichlorobenzene | 14.106 | 146 | 113871 | 21.063 | ug/l | | 99 |
| 92) 1,2-Dibromo-3-Chloropr... | 14.717 | 75 | 15149 | 20.849 | ug/l | | 84 |
| 93) 1,2,4-Trichlorobenzene | 15.388 | 180 | 54735 | 21.784 | ug/l | | 98 |
| 94) Hexachlorobutadiene | 15.500 | 225 | 25144 | 18.849 | ug/l | | 94 |
| 95) Naphthalene | 15.635 | 128 | 185618 | 24.756 | ug/l | | 97 |
| 96) 1,2,3-Trichlorobenzene | 15.835 | 180 | 53261 | 20.949 | ug/l | | 97 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
Data File : VN085733.D
Acq On : 10 Feb 2025 18:59
Operator : JC\MD
Sample : VN0210WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Feb 11 03:28:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_N
**ClientSampleId :**
VN0210WBSD01

**Manual Integrations APPROVED**

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

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN021025\
Data File : VN085733.D
Acq On : 10 Feb 2025 18:59
Operator : JC\MD
Sample : VN0210WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Feb 11 03:28:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N011425W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 15 02:16:08 2025
Response via : Initial Calibration

**Instrument :**
MSVOA_N
**ClientSampleId :**
VN0210WBSD01

**Manual Integrations APPROVED**

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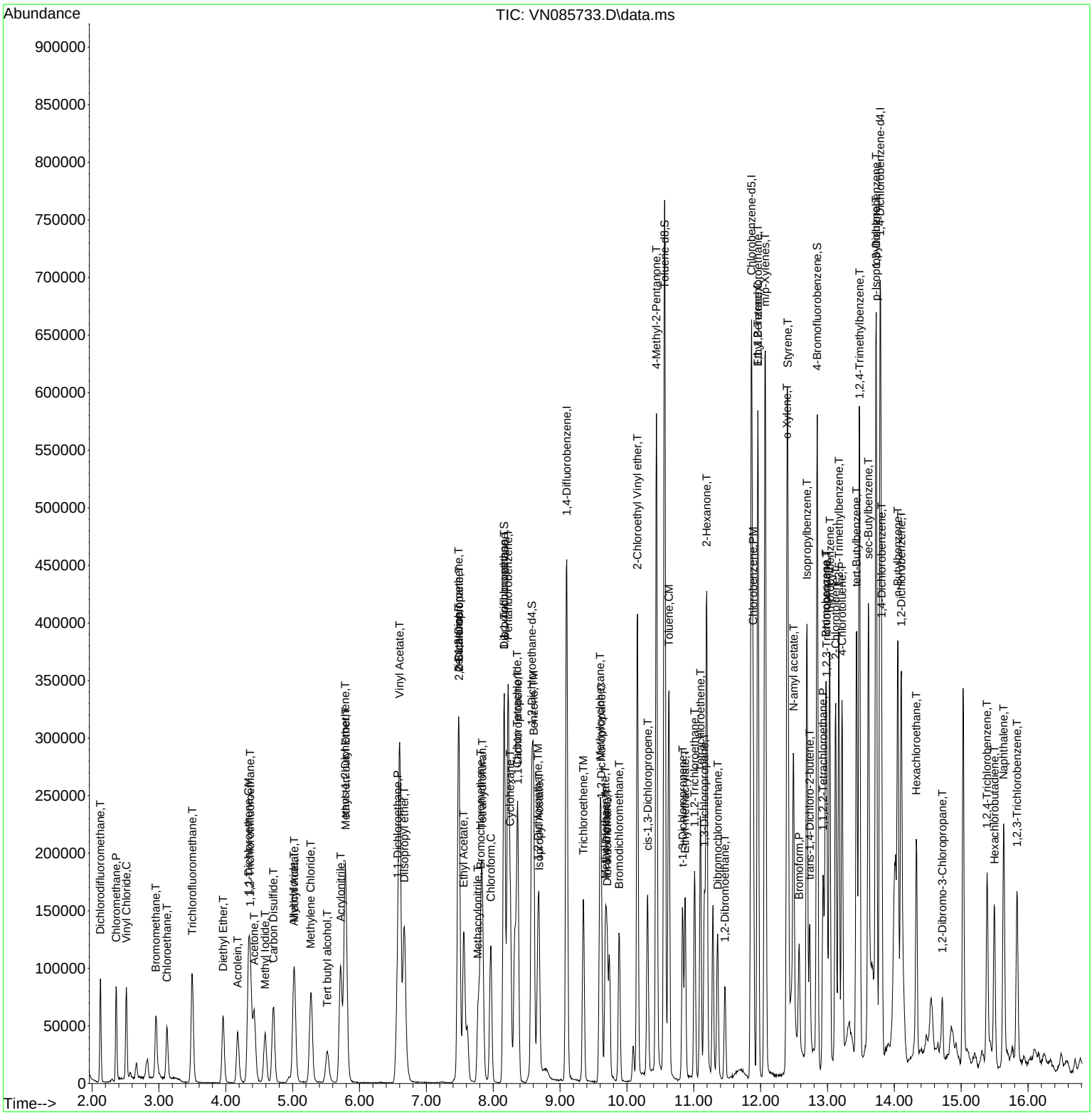

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900, Fax : 908 789 8922

# Manual Integration Report

| Sequence: | VN011425 | Instrument | MSVOA_n |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| VSTDICC100 | VN085438.D | 1,2,3-Trichloropropane | JOHN | 1/15/2025 9:31:09 AM | MMDadoda | 1/15/2025 12:55:19 PM | Peak Integrated by Software |
| VSTDICCC050 | VN085439.D | 1,2,3-Trichloropropane | JOHN | 1/15/2025 9:31:14 AM | MMDadoda | 1/15/2025 12:55:22 PM | Peak Integrated by Software |
| VSTDICC020 | VN085440.D | 1,2,3-Trichloropropane | JOHN | 1/15/2025 9:31:19 AM | MMDadoda | 1/15/2025 12:55:25 PM | Peak Integrated by Software |
| VSTDICC020 | VN085440.D | trans-1,4-Dichloro-2-but ene | JOHN | 1/15/2025 9:31:19 AM | MMDadoda | 1/15/2025 12:55:25 PM | Peak Integrated by Software |
| VSTDICC020 | VN085440.D | Vinyl Acetate | JOHN | 1/15/2025 9:31:19 AM | MMDadoda | 1/15/2025 12:55:25 PM | Peak Integrated by Software |
| VSTDICC010 | VN085441.D | 1,2,3-Trichloropropane | JOHN | 1/15/2025 9:31:23 AM | MMDadoda | 1/15/2025 12:55:29 PM | Peak Integrated by Software |
| VSTDICC005 | VN085442.D | 1,2,3-Trichloropropane | JOHN | 1/15/2025 9:31:28 AM | MMDadoda | 1/15/2025 12:55:34 PM | Peak Integrated by Software |
| VSTDICC005 | VN085442.D | Ethyl Acetate | JOHN | 1/15/2025 9:31:28 AM | MMDadoda | 1/15/2025 12:55:34 PM | Peak Integrated by Software |
| VSTDICC005 | VN085442.D | Vinyl Acetate | JOHN | 1/15/2025 9:31:28 AM | MMDadoda | 1/15/2025 12:55:34 PM | Peak Integrated by Software |
| VSTDICC001 | VN085443.D | 1,1,2-Trichlorotrifluoroet hane | JOHN | 1/15/2025 9:31:32 AM | MMDadoda | 1/15/2025 12:55:39 PM | Peak Integrated by Software |
| VSTDICC001 | VN085443.D | 1,1-Dichloroethane | JOHN | 1/15/2025 9:31:32 AM | MMDadoda | 1/15/2025 12:55:39 PM | Peak Integrated by Software |
| VSTDICC001 | VN085443.D | 1,2,3-Trichloropropane | JOHN | 1/15/2025 9:31:32 AM | MMDadoda | 1/15/2025 12:55:39 PM | Peak Integrated by Software |
| VSTDICC001 | VN085443.D | 1,4-Dichlorobenzene | JOHN | 1/15/2025 9:31:32 AM | MMDadoda | 1/15/2025 12:55:39 PM | Peak Integrated by Software |

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

# Manual Integration Report

| Sequence: | VN011425 | Instrument | MSVOA_n |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| VSTDICC001 | VN085443.D | 2-Butanone | JOHN | 1/15/2025 9:31:32 AM | MMDadoda | 1/15/2025 12:55:39 PM | Peak Integrated by Software |
| VSTDICC001 | VN085443.D | Ethyl Acetate | JOHN | 1/15/2025 9:31:32 AM | MMDadoda | 1/15/2025 12:55:39 PM | Peak Integrated by Software |
| VSTDICC001 | VN085443.D | Vinyl Acetate | JOHN | 1/15/2025 9:31:32 AM | MMDadoda | 1/15/2025 12:55:39 PM | Peak Integrated by Software |
| VSTDICV050 | VN085445.D | 1,2,3-Trichloropropane | JOHN | 1/15/2025 9:31:37 AM | MMDadoda | 1/15/2025 12:55:43 PM | Peak Integrated by Software |
| VSTDICV050 | VN085445.D | trans-1,4-Dichloro-2-but ene | JOHN | 1/15/2025 9:31:37 AM | MMDadoda | 1/15/2025 12:55:43 PM | Peak Integrated by Software |

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# Manual Integration Report

| Sequence: | VN021025 | Instrument | MSVOA_n |
|---|---|---|---|

| Sample ID | File ID | Parameter | Review By | Review On | Supervised By | Supervised On | Reason |
|---|---|---|---|---|---|---|---|
| VSTDCCC050 | VN085718.D | 1,2,3-Trichloropropane | JOHN | 2/11/2025 9:43:46 AM | MMDadoda | 2/11/2025 2:05:44 PM | Peak Integrated by Software |
| VN0210WBS01 | VN085721.D | 1,2,3-Trichloropropane | JOHN | 2/11/2025 9:43:50 AM | MMDadoda | 2/11/2025 2:05:40 PM | Peak Integrated by Software |
| VN0210WBS01 | VN085721.D | trans-1,4-Dichloro-2-but ene | JOHN | 2/11/2025 9:43:50 AM | MMDadoda | 2/11/2025 2:05:40 PM | Peak Integrated by Software |
| VN0210WBSD0 1 | VN085733.D | 1,2,3-Trichloropropane | JOHN | 2/11/2025 9:44:14 AM | MMDadoda | 2/11/2025 2:05:47 PM | Peak Integrated by Software |
| VN0210WBSD0 1 | VN085733.D | Vinyl Acetate | JOHN | 2/11/2025 9:44:14 AM | MMDadoda | 2/11/2025 2:05:47 PM | Peak Integrated by Software |
| VSTDCCC050 | VN085734.D | 1,2,3-Trichloropropane | JOHN | 2/11/2025 9:44:23 AM | MMDadoda | 2/11/2025 2:05:49 PM | Peak Integrated by Software |

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**Instrument ID: MSVOA_N**

## Daily Analysis Runlog For Sequence/QCBatch ID # VN011425

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Review By | John Carlone | Review On | 1/15/2025 9:31:51 AM | | | | |
| Supervise By | Mahesh Dadoda | Supervise On | 1/15/2025 12:55:51 PM | | | | |
| SubDirectory | VN011425 | HP Acquire Method | MSVOA_N | HP Processing Method | 82N011425W.M | | |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP132529 |
| Initial Calibration Stds | VP132530,VP132531,VP132532,VP132533,VP132534,VP132535 |
| CCC | |
| Internal Standard/PEM | |
| ICV/I.BLK | VP132544 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | BFB | VN085437.D | 14 Jan 2025 14:22 | JC\MD | Ok |
| 2 | VSTDICC100 | VN085438.D | 14 Jan 2025 14:56 | JC\MD | Ok,M |
| 3 | VSTDICCC050 | VN085439.D | 14 Jan 2025 15:19 | JC\MD | Ok,M |
| 4 | VSTDICC020 | VN085440.D | 14 Jan 2025 15:43 | JC\MD | Ok,M |
| 5 | VSTDICC010 | VN085441.D | 14 Jan 2025 16:07 | JC\MD | Ok,M |
| 6 | VSTDICC005 | VN085442.D | 14 Jan 2025 16:31 | JC\MD | Ok,M |
| 7 | VSTDICC001 | VN085443.D | 14 Jan 2025 17:19 | JC\MD | Ok,M |
| 8 | IBLK | VN085444.D | 14 Jan 2025 17:42 | JC\MD | Ok |
| 9 | VSTDICV050 | VN085445.D | 14 Jan 2025 18:06 | JC\MD | Ok,M |

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**Instrument ID: MSVOA_N**

## Daily Analysis Runlog For Sequence/QCBatch ID # VN021025

| | | | | | |
|---|---|---|---|---|---|
| Review By | John Carlone | Review On | 2/11/2025 10:13:07 AM | | |
| Supervise By | Mahesh Dadoda | Supervise On | 2/11/2025 2:05:55 PM | | |
| SubDirectory | VN021025 | HP Acquire Method | | HP Processing Method | 82N011425W.M |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP132957 |
| Initial Calibration Stds | |
| CCC | VP132958,VP132959 |
| Internal Standard/PEM | |
| ICV/I.BLK | |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | Data File Name | Date-Time | Operator | Status |
|---|---|---|---|---|---|
| 1 | BFB | VN085717.D | 10 Feb 2025 09:49 | JC\MD | Ok |
| 2 | VSTDCCC050 | VN085718.D | 10 Feb 2025 12:12 | JC\MD | Ok,M |
| 3 | VN0210MBL01 | VN085719.D | 10 Feb 2025 12:48 | JC\MD | Ok |
| 4 | VN0210WBL01 | VN085720.D | 10 Feb 2025 13:12 | JC\MD | Ok |
| 5 | VN0210WBS01 | VN085721.D | 10 Feb 2025 14:12 | JC\MD | Ok,M |
| 6 | VN0210MBS01 | VN085722.D | 10 Feb 2025 14:36 | JC\MD | Ok,M |
| 7 | Q1293-01 | VN085723.D | 10 Feb 2025 15:00 | JC\MD | Not Ok |
| 8 | Q1289-04ME | VN085724.D | 10 Feb 2025 15:24 | JC\MD | Not Ok |
| 9 | IBLK | VN085725.D | 10 Feb 2025 15:48 | JC\MD | Ok |
| 10 | VN0210MBSD01 | VN085726.D | 10 Feb 2025 16:12 | JC\MD | Not Ok |
| 11 | Q1328-01 | VN085727.D | 10 Feb 2025 16:35 | JC\MD | Ok |
| 12 | Q1328-02 | VN085728.D | 10 Feb 2025 16:59 | JC\MD | Ok |
| 13 | Q1328-03 | VN085729.D | 10 Feb 2025 17:23 | JC\MD | Ok |
| 14 | Q1328-04 | VN085730.D | 10 Feb 2025 17:47 | JC\MD | Ok |
| 15 | Q1332-01 | VN085731.D | 10 Feb 2025 18:11 | JC\MD | Dilution |
| 16 | Q1331-01 | VN085732.D | 10 Feb 2025 18:35 | JC\MD | Ok |
| 17 | VN0210WBSD01 | VN085733.D | 10 Feb 2025 18:59 | JC\MD | Ok,M |
| 18 | VSTDCCC050 | VN085734.D | 10 Feb 2025 19:23 | JC\MD | Ok,M |

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**Instrument ID:** MSVOA_N

## Daily Analysis Runlog For Sequence/QCBatch ID # VN011425

| | | | | | |
|---|---|---|---|---|---|
| Review By | John Carlone | Review On | 1/15/2025 9:31:51 AM | | |
| Supervise By | Mahesh Dadoda | Supervise On | 1/15/2025 12:55:51 PM | | |
| SubDirectory | VN011425 | HP Acquire Method | MSVOA_N | HP Processing Method | 82N011425W.M |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP132529 |
| Initial Calibration Stds | VP132530,VP132531,VP132532,VP132533,VP132534,VP132535 |
| CCC | |
| Internal Standard/PEM | |
| ICV/I.BLK | VP132544 |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | BFB | BFB | VN085437.D | 14 Jan 2025 14:22 | | JC\MD | Ok |
| 2 | VSTDICC100 | VSTDICC100 | VN085438.D | 14 Jan 2025 14:56 | | JC\MD | Ok,M |
| 3 | VSTDICCC050 | VSTDICCC050 | VN085439.D | 14 Jan 2025 15:19 | Comp.#56 is on Linear Regression | JC\MD | Ok,M |
| 4 | VSTDICC020 | VSTDICC020 | VN085440.D | 14 Jan 2025 15:43 | Comp.#86 is on Quadratic Regression | JC\MD | Ok,M |
| 5 | VSTDICC010 | VSTDICC010 | VN085441.D | 14 Jan 2025 16:07 | | JC\MD | Ok,M |
| 6 | VSTDICC005 | VSTDICC005 | VN085442.D | 14 Jan 2025 16:31 | | JC\MD | Ok,M |
| 7 | VSTDICC001 | VSTDICC001 | VN085443.D | 14 Jan 2025 17:19 | | JC\MD | Ok,M |
| 8 | IBLK | IBLK | VN085444.D | 14 Jan 2025 17:42 | | JC\MD | Ok |
| 9 | VSTDICV050 | ICVVN011425 | VN085445.D | 14 Jan 2025 18:06 | | JC\MD | Ok,M |

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**Instrument ID:** MSVOA_N

## Daily Analysis Runlog For Sequence/QCBatch ID # VN021025

| | | | | | |
|---|---|---|---|---|---|
| Review By | John Carlone | Review On | 2/11/2025 10:13:07 AM | | |
| Supervise By | Mahesh Dadoda | Supervise On | 2/11/2025 2:05:55 PM | | |
| SubDirectory | VN021025 | HP Acquire Method | | HP Processing Method | 82N011425W.M |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP132957 |
| Initial Calibration Stds | |
| CCC | VP132958,VP132959 |
| Internal Standard/PEM | |
| ICV/I.BLK | |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| Sr# | SampleId | ClientID | Data File Name | Date-Time | Comment | Operator | Status |
|---|---|---|---|---|---|---|---|
| 1 | BFB | BFB | VN085717.D | 10 Feb 2025 09:49 | | JC\MD | Ok |
| 2 | VSTDCCC050 | VSTDCCC050 | VN085718.D | 10 Feb 2025 12:12 | CCAL failed high for comp. #68,69 | JC\MD | Ok,M |
| 3 | VN0210MBL01 | VN0210MBL01 | VN085719.D | 10 Feb 2025 12:48 | | JC\MD | Ok |
| 4 | VN0210WBL01 | VN0210WBL01 | VN085720.D | 10 Feb 2025 13:12 | | JC\MD | Ok |
| 5 | VN0210WBS01 | VN0210WBS01 | VN085721.D | 10 Feb 2025 14:12 | | JC\MD | Ok,M |
| 6 | VN0210MBS01 | VN0210MBS01 | VN085722.D | 10 Feb 2025 14:36 | | JC\MD | Ok,M |
| 7 | Q1293-01 | NWB-2123 | VN085723.D | 10 Feb 2025 15:00 | CCAL failed high for comp. #68,69,BSD failed high for comp. #52,68,69; Need lower dilution | JC\MD | Not Ok |
| 8 | Q1289-04ME | FL-DRUMS-BME | VN085724.D | 10 Feb 2025 15:24 | not req | JC\MD | Not Ok |
| 9 | IBLK | IBLK | VN085725.D | 10 Feb 2025 15:48 | | JC\MD | Ok |
| 10 | VN0210MBSD01 | VN0210MBSD01 | VN085726.D | 10 Feb 2025 16:12 | Recovery Fail | JC\MD | Not Ok |
| 11 | Q1328-01 | Storage-Blank-SOIL-RE | VN085727.D | 10 Feb 2025 16:35 | vial A pH<2 | JC\MD | Ok |
| 12 | Q1328-02 | Storage-Blank-WATER- | VN085728.D | 10 Feb 2025 16:59 | vial A pH<2 | JC\MD | Ok |
| 13 | Q1328-03 | Storage-Blank-WATER- | VN085729.D | 10 Feb 2025 17:23 | vial A pH<2 | JC\MD | Ok |
| 14 | Q1328-04 | Storage-Blank-SAMLE- | VN085730.D | 10 Feb 2025 17:47 | vial A pH<2 | JC\MD | Ok |
| 15 | Q1332-01 | MW1 | VN085731.D | 10 Feb 2025 18:11 | CCAL failed high for comp. #68,69,BSD failed high for comp. #52,68,69;Need 2X | JC\MD | Dilution |
| 16 | Q1331-01 | MW1R | VN085732.D | 10 Feb 2025 18:35 | vial A pH<2 | JC\MD | Ok |

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**Instrument ID:** MSVOA_N

## Daily Analysis Runlog For Sequence/QCBatch ID # VN021025

| | | | | | |
|---|---|---|---|---|---|
| Review By | John Carlone | Review On | 2/11/2025 10:13:07 AM | | |
| Supervise By | Mahesh Dadoda | Supervise On | 2/11/2025 2:05:55 PM | | |
| SubDirectory | VN021025 | HP Acquire Method | | HP Processing Method | 82N011425W.M |

| STD. NAME | STD REF.# |
|---|---|
| Tune/Reschk | VP132957 |
| Initial Calibration Stds | |
| CCC | VP132958,VP132959 |
| Internal Standard/PEM | |
| ICV/I.BLK | |
| Surrogate Standard | |
| MS/MSD Standard | |
| LCS Standard | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 17 | VN0210WBSD01 | VN0210WBSD01 | VN085733.D | 10 Feb 2025 18:59 | BSD failed high for comp. #52,68,69 | JC\MD | Ok,M |
| 18 | VSTDCCC050 | VSTDCCC050EC | VN085734.D | 10 Feb 2025 19:23 | | JC\MD | Ok,M |

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# LAB CHRONICLE

| | | | |
|---|---|---|---|
| **OrderID:** | Q1331 | **OrderDate:** | 2/7/2025 10:36:56 AM |
| **Client:** | G Environmental | **Project:** | Power |
| **Contact:** | Gary Landis | **Location:** | N41,VOA Ref. #3 Water |

| LabID | ClientID | Matrix | Test | Method | Sample Date | Prep Date | Anal Date | Received |
|---|---|---|---|---|---|---|---|---|
| **Q1331-01** | **MW1R** | **Water** | | | **02/06/25** | | | **02/07/25** |
| | | | VOC-TCLVOA-10 | 8260-Low | | | 02/10/25 | |