

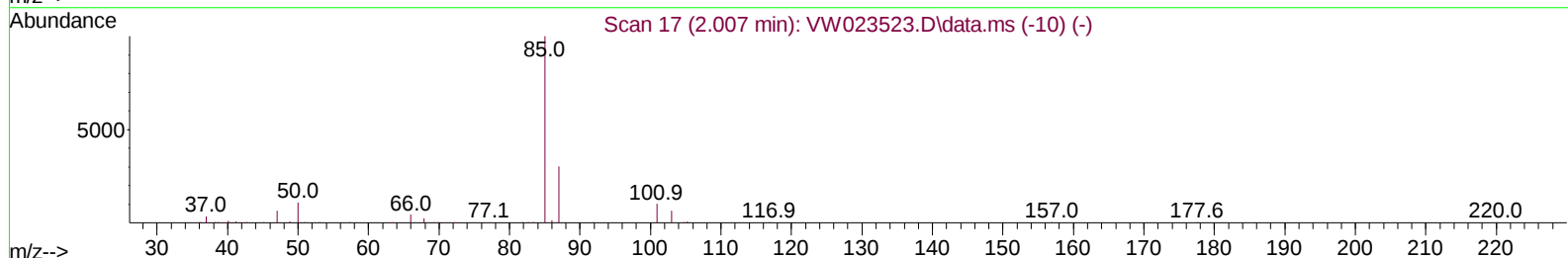
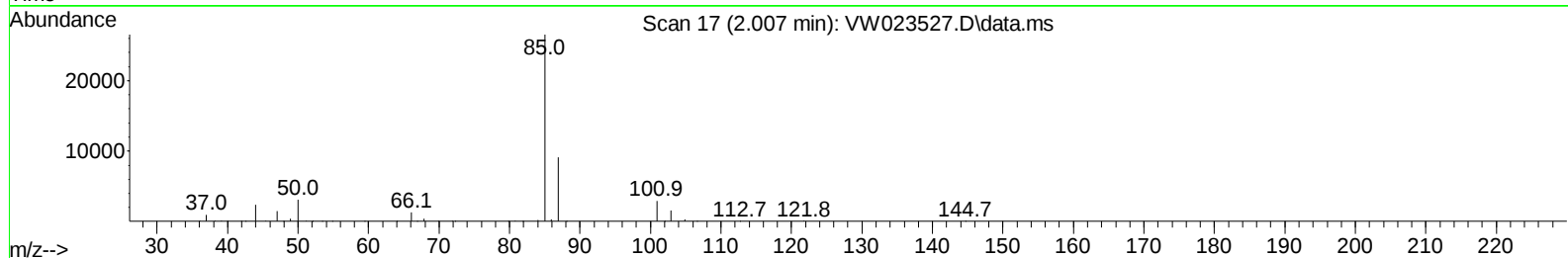
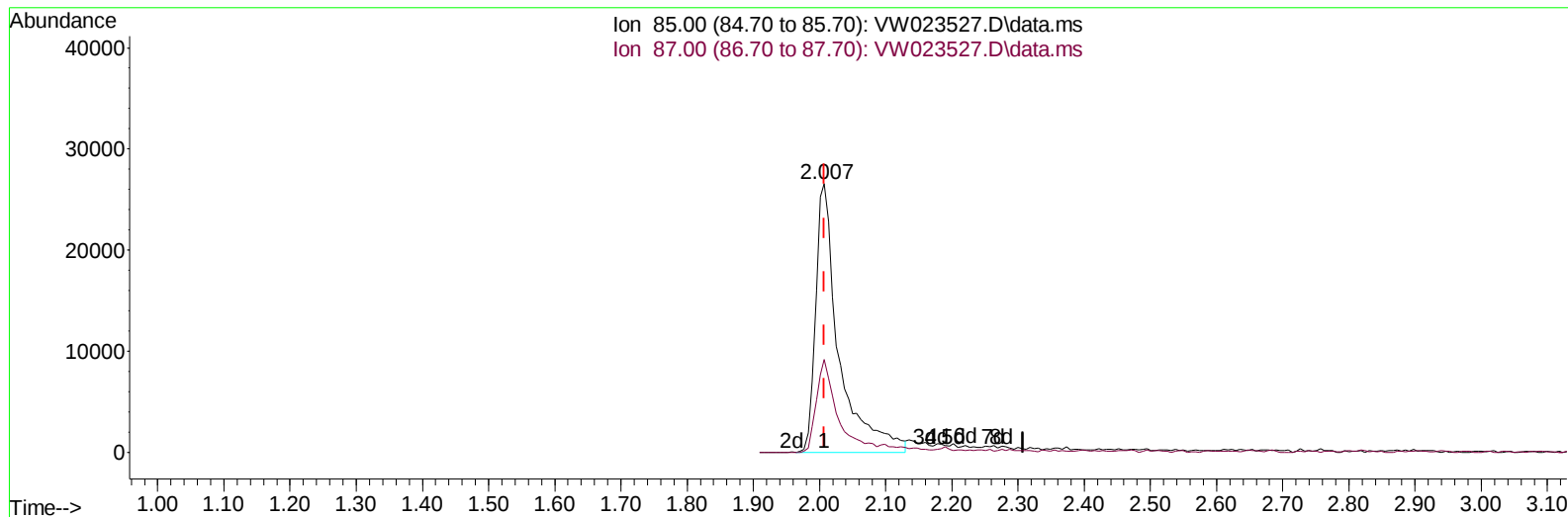
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW062822\  
 Data File : VW023527.D  
 Acq On : 28 Jun 2022 12:38  
 Operator : SY/VA  
 Sample : VSTDCCC025  
 Misc : 5.00g/10mL/MSVOA\_W/SOIL  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_W  
 LabSampleId :  
 VSTDCCC025

Manual IntegrationsAPPROVED

Quant Time: Jun 29 02:08:06 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_W\Method\SFAMWLM062822SMA.M  
 Quant Title : SFAM01.0  
 QLast Update : Wed Jun 29 01:55:10 2022  
 Response via : Initial Calibration

Reviewed By :Semsettin Yesilyurt 06/29/2022  
 Supervised By :Mahesh Dadoda 06/30/2022



TIC: VW023527.D\data.ms

(2) Dichlorodifluoromethane (T)

2.007min (-0.000) 35.26 ug/L

response 64889

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 85.00 | 100.00 | 100.00 |
| 87.00 | 26.20  | 29.91  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |



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| Compound                      | R.T.     | QIon  | Response | Conc   | Units    | Dev(Min) |
|-------------------------------|----------|-------|----------|--------|----------|----------|
| -----                         |          |       |          |        |          |          |
| Internal Standards            |          |       |          |        |          |          |
| 1) 1,4-Difluorobenzene        | 8.841    | 114   | 375962   | 25.000 | ug/L     | 0.00     |
| 28) Chlorobenzene-d5          | 11.634   | 117   | 357068   | 25.000 | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 13.560   | 152   | 183976   | 25.000 | ug/L     | 0.00     |
| System Monitoring Compounds   |          |       |          |        |          |          |
| 4) Vinyl Chloride-d3          | 2.355    | 65    | 100001   | 20.662 | ug/L     | 0.00     |
| Spiked Amount 25.000          | Range 30 | - 150 | Recovery | =      | 82.640%  |          |
| 7) Chloroethane-d5            | 2.885    | 69    | 88714    | 24.259 | ug/L     | 0.00     |
| Spiked Amount 25.000          | Range 30 | - 150 | Recovery | =      | 97.040%  |          |
| 11) 1,1-Dichloroethene-d2     | 4.025    | 63    | 170873   | 22.506 | ug/L     | 0.00     |
| Spiked Amount 25.000          | Range 45 | - 110 | Recovery | =      | 90.040%  |          |
| 21) 2-Butanone-d5             | 7.080    | 46    | 53051    | 46.056 | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 20 | - 135 | Recovery | =      | 92.120%  |          |
| 24) Chloroform-d              | 7.653    | 84    | 227269   | 23.543 | ug/L     | 0.00     |
| Spiked Amount 25.000          | Range 40 | - 150 | Recovery | =      | 94.160%  |          |
| 26) 1,2-Dichloroethane-d4     | 8.305    | 65    | 116406   | 22.906 | ug/L     | 0.00     |
| Spiked Amount 25.000          | Range 70 | - 130 | Recovery | =      | 91.640%  |          |
| 32) Benzene-d6                | 8.274    | 84    | 409889   | 23.219 | ug/L     | 0.00     |
| Spiked Amount 25.000          | Range 20 | - 135 | Recovery | =      | 92.880%  |          |
| 36) 1,2-Dichloropropane-d6    | 9.274    | 67    | 127398   | 24.205 | ug/L     | 0.00     |
| Spiked Amount 25.000          | Range 70 | - 120 | Recovery | =      | 96.840%  |          |
| 41) Toluene-d8                | 10.323   | 98    | 424468   | 24.599 | ug/L     | 0.00     |
| Spiked Amount 25.000          | Range 30 | - 130 | Recovery | =      | 98.400%  |          |
| 43) trans-1,3-Dichloroprop... | 10.579   | 79    | 57391    | 24.089 | ug/L     | 0.00     |
| Spiked Amount 25.000          | Range 30 | - 135 | Recovery | =      | 96.360%  |          |
| 47) 2-Hexanone-d5             | 10.920   | 63    | 44513    | 52.234 | ug/L     | 0.00     |
| Spiked Amount 50.000          | Range 20 | - 135 | Recovery | =      | 104.460% |          |
| 56) 1,1,2,2-Tetrachloroeth... | 12.688   | 84    | 119056   | 24.559 | ug/L     | 0.00     |
| Spiked Amount 25.000          | Range 45 | - 120 | Recovery | =      | 98.240%  |          |
| 66) 1,2-Dichlorobenzene-d4    | 13.853   | 152   | 163110   | 25.520 | ug/L     | 0.00     |
| Spiked Amount 25.000          | Range 75 | - 120 | Recovery | =      | 102.080% |          |
| Target Compounds              |          |       |          |        |          |          |
|                               |          |       |          |        | Qvalue   |          |
| 2) Dichlorodifluoromethane    | 2.007    | 85    | 60232m   | 32.727 | ug/L     |          |
| 3) Chloromethane              | 2.215    | 50    | 129952   | 28.321 | ug/L     | 95       |
| 5) Vinyl chloride             | 2.361    | 62    | 184955   | 26.629 | ug/L     | 95       |
| 6) Bromomethane               | 2.775    | 94    | 114739   | 29.056 | ug/L     | 99       |
| 8) Chloroethane               | 2.922    | 64    | 103592   | 28.455 | ug/L     | 99       |
| 9) Trichlorofluoromethane     | 3.263    | 101   | 87712    | 24.106 | ug/L     | 96       |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.068    | 101   | 122567   | 24.617 | ug/L     | 100      |
| 12) 1,1-Dichloroethene        | 4.043    | 96    | 107630   | 24.992 | ug/L     | 98       |
| 13) Acetone                   | 4.129    | 43    | 35408    | 43.891 | ug/L     | 100      |
| 14) Carbon disulfide          | 4.385    | 76    | 351799   | 26.039 | ug/L     | 100      |
| 15) Methyl Acetate            | 4.678    | 43    | 45106    | 23.903 | ug/L     | 99       |
| 16) Methylene chloride        | 4.921    | 84    | 124120   | 22.091 | ug/L     | 95       |
| 17) trans-1,2-Dichloroethene  | 5.427    | 96    | 127760   | 25.230 | ug/L     | 99       |
| 18) Methyl tert-butyl Ether   | 5.427    | 73    | 187546   | 25.909 | ug/L #   | 85       |
| 19) 1,1-Dichloroethane        | 6.214    | 63    | 214624   | 25.145 | ug/L     | 95       |
| 20) cis-1,2-Dichloroethene    | 7.177    | 96    | 134502   | 25.219 | ug/L     | 93       |
| 22) 2-Butanone                | 7.171    | 43    | 59875    | 43.487 | ug/L     | 99       |
| 23) Bromochloromethane        | 7.519    | 128   | 63042    | 24.985 | ug/L     | 90       |

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Reviewed By :Semsettin Yesilyurt 06/29/2022  
 Supervised By :Mahesh Dadoda 06/30/2022

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 25) Chloroform                | 7.677  | 83   | 237854   | 24.739 | ug/L   | 95       |
| 27) 1,2-Dichloroethane        | 8.402  | 62   | 152987   | 24.747 | ug/L   | 98       |
| 29) Cyclohexane               | 7.957  | 56   | 187992   | 25.866 | ug/L   | 97       |
| 30) 1,1,1-Trichloroethane     | 7.872  | 97   | 207219   | 24.596 | ug/L   | 99       |
| 31) Carbon tetrachloride      | 8.067  | 117  | 188941   | 24.421 | ug/L   | 96       |
| 33) Benzene                   | 8.323  | 78   | 509454   | 24.861 | ug/L   | 100      |
| 34) Trichloroethene           | 9.091  | 95   | 135062   | 23.924 | ug/L   | 97       |
| 35) Methylcyclohexane         | 9.335  | 83   | 230779   | 25.698 | ug/L   | 99       |
| 37) 1,2-Dichloropropane       | 9.366  | 63   | 120183   | 24.664 | ug/L   | 99       |
| 38) Bromodichloromethane      | 9.646  | 83   | 170102   | 24.372 | ug/L   | 100      |
| 39) cis-1,3-Dichloropropene   | 10.073 | 75   | 192386   | 25.750 | ug/L   | 96       |
| 40) 4-Methyl-2-pentanone      | 10.207 | 43   | 136289   | 49.771 | ug/L   | 98       |
| 42) Toluene                   | 10.384 | 91   | 573859   | 25.454 | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene | 10.603 | 75   | 172961   | 26.222 | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane     | 10.786 | 97   | 97526    | 24.561 | ug/L   | 95       |
| 46) Tetrachloroethene         | 10.865 | 164  | 107498   | 24.123 | ug/L   | 97       |
| 48) 2-Hexanone                | 10.969 | 43   | 93332    | 50.254 | ug/L   | 99       |
| 49) Dibromochloromethane      | 11.128 | 129  | 121646   | 25.129 | ug/L   | 99       |
| 50) 1,2-Dibromoethane         | 11.237 | 107  | 96925    | 25.095 | ug/L   | 96       |
| 51) Chlorobenzene             | 11.658 | 112  | 381269   | 24.910 | ug/L   | 99       |
| 52) Ethylbenzene              | 11.731 | 91   | 639573   | 25.468 | ug/L   | 100      |
| 53) m,p-Xylene                | 11.841 | 106  | 258714   | 26.065 | ug/L   | 98       |
| 54) o-Xylene                  | 12.164 | 106  | 243568   | 26.395 | ug/L   | 93       |
| 55) Styrene                   | 12.182 | 104  | 421856   | 26.402 | ug/L   | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83   | 118109   | 24.654 | ug/L   | 96       |
| 59) Bromoform                 | 12.347 | 173  | 65698    | 25.632 | ug/L   | 97       |
| 60) Isopropylbenzene          | 12.463 | 105  | 662169   | 26.303 | ug/L   | 98       |
| 61) 1,2,3-Trichloropropane    | 12.768 | 75   | 82162    | 24.068 | ug/L   | 99       |
| 62) 1,3,5-Trimethylbenzene    | 12.938 | 105  | 560655   | 27.170 | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 13.249 | 105  | 553791   | 27.202 | ug/L   | 99       |
| 64) 1,3-Dichlorobenzene       | 13.499 | 146  | 294181   | 25.383 | ug/L   | 97       |
| 65) 1,4-Dichlorobenzene       | 13.578 | 146  | 302236   | 25.401 | ug/L   | 95       |
| 67) 1,2-Dichlorobenzene       | 13.865 | 146  | 271449   | 25.977 | ug/L   | 94       |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75   | 17952    | 22.904 | ug/L # | 83       |
| 69) 1,3,5-Trichlorobenzene    | 14.627 | 180  | 206392   | 27.187 | ug/L   | 96       |
| 70) 1,2,4-trichlorobenzene    | 15.127 | 180  | 158934   | 27.130 | ug/L   | 96       |
| 71) Naphthalene               | 15.365 | 128  | 315993   | 28.432 | ug/L   | 99       |
| 72) 1,2,3-Trichlorobenzene    | 15.548 | 180  | 142990   | 28.235 | ug/L   | 96       |

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

**Instrument :**  
MSVOA\_W  
**LabSampleId :**  
VSTDCCC025

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Supervised By :Mahesh Dadoda 06/30/2022

TIC: VW023527.D\data.ms

Abundance

Time-->

2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 10.00 11.00 12.00 13.00 14.00 15.00 16.00

1,1-Dichloroethane, T  
Chloromethane, T  
Vinyl chloride, T  
Bromomethane, T  
Chloroethane, T  
Trichlorofluoromethane, T  
Acetone, T  
Carbon disulfide, T  
Methyl acetate, T  
Methylene chloride, T  
Methyl 2-ethylbutyrate, T  
1,1-Dichloroethane, T  
2-Butanone-d5, S  
cis-2-Butenediole, T  
Bromochloromethane, T  
Carbon tetrachloride, T  
1,1,1-Trichloroethane, T  
Carbon tetrachloride, T  
1,2-Dichloroethane, T  
1,2-Dichloroethane, T  
1,4-Difluorobenzene, T  
Trichloroethene, T  
1,2-Dichloropropane, T  
Methylcyclohexane, T  
Bromodichloromethane, T  
cis-1,3-Dichloropropene, T  
4-Methyl-2-pentanol, T  
Toluene-d8, S  
Toluene, T  
trans-1,3-Dichloropropene, T  
1,3-Dichloropropane, T  
1,2-Trichloroethane, T  
1,2-Dibromobutane, T  
Dibromochloromethane, T  
Ethylbenzene, T  
Chlorobenzene, T  
m,p-Xylene, T  
Styrene, T  
o-Xylene, T  
Isopropylbenzene  
1,3,5-Trimethylbenzene  
1,2,4-Trimethylbenzene  
1,3-Dichlorobenzene, T  
1,3,5-Trichlorobenzene, T  
1,2,3-Trichlorobenzene, T  
Naphthalene  
1,2,4-trichlorobenzene, T  
1,2,3-Trichlorobenzene, T  
1,2-Dibromo-3-chloropropane, T  
1,3,5-Trichlorobenzene