Quantitation Report (Qedit)

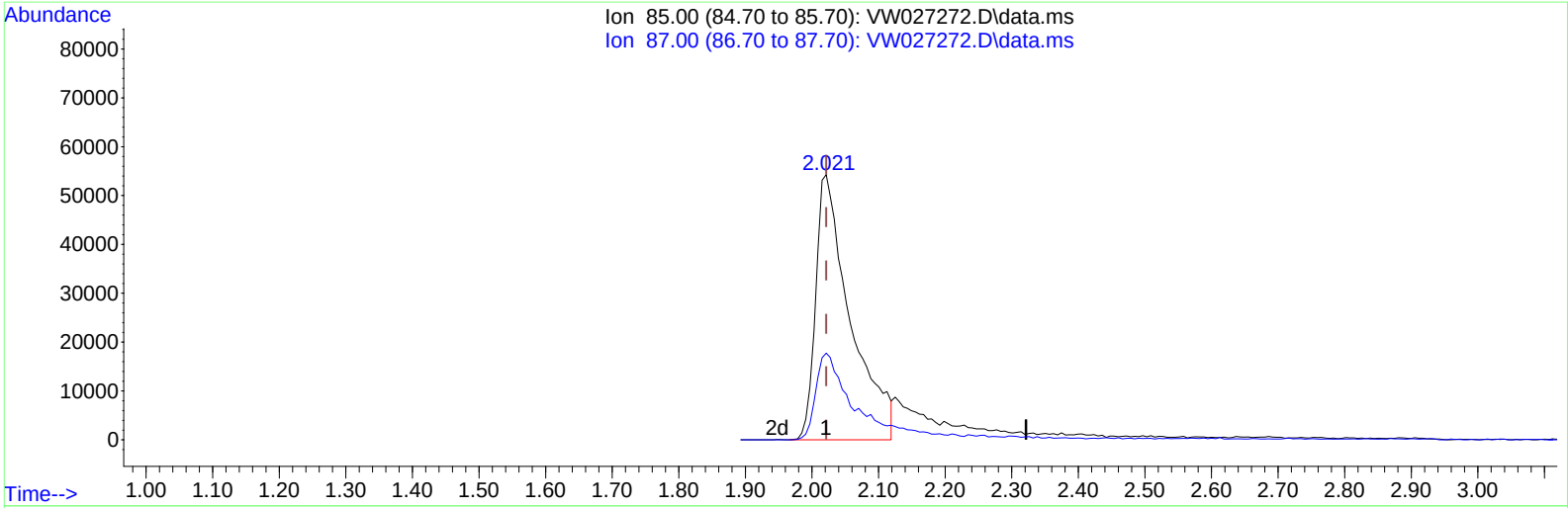
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100923\
Data File : VW027272.D
Acq On : 09 Oct 2023 10:00
Operator : SY/MD
Sample : VSTDCCC025
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

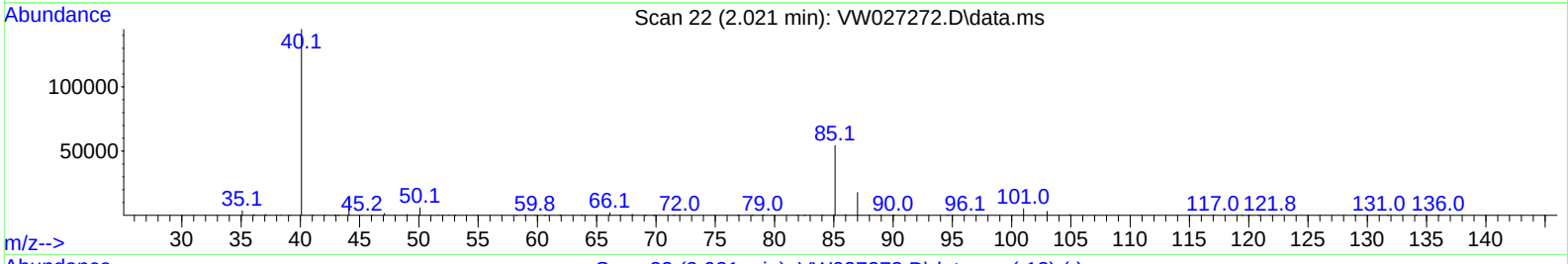
Quant Time: Oct 10 01:19:05 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092723SMA.M
Quant Title : SFAM01.0
QLast Update : Sat Oct 07 00:22:13 2023
Response via : Initial Calibration

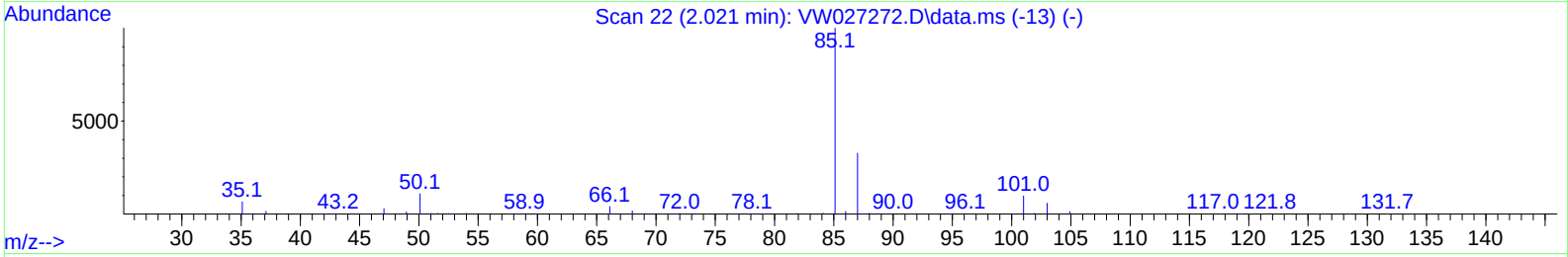
**Instrument :**
MSVOA_W
**LabSampleId :**
VSTDCCC025

**Manual IntegrationsAPPROVED**

Reviewed By :Semsettin Yesilyurt 10/10/2023
Supervised By :Mahesh Dadoda 10/10/2023




TIC: VW027272.D\data.ms

**(2) Dichlorodifluoromethane (T)**

**2.021min (-0.000) 21.82 ug/L**

**response 195499**

| Ion | Exp% | Act% |
|---|---|---|
| 85.00 | 100.00 | 100.00 |
| 87.00 | 27.60 | 25.50 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092723SMA.M
Quant Title : SFAM01.0
QLast Update : Sat Oct 07 00:22:13 2023
Response via : Initial Calibration

**Instrument :**
MSVOA_W
**LabSampleId :**
VSTDCCC025

**Manual IntegrationsAPPROVED**

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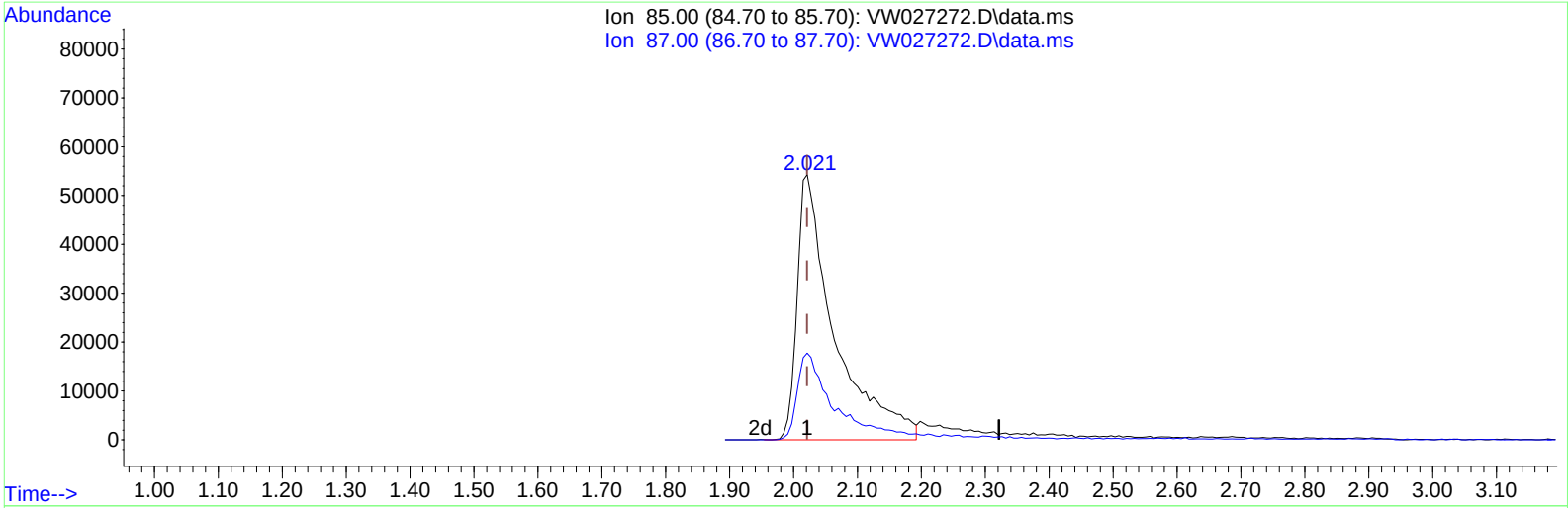


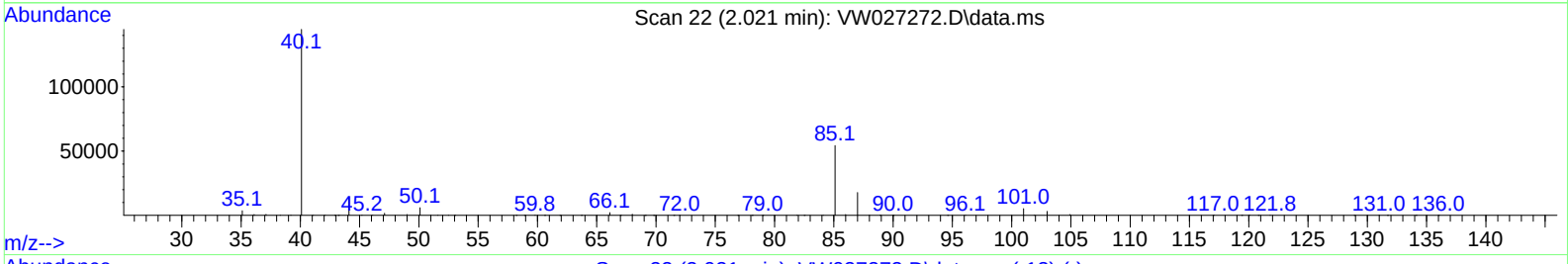


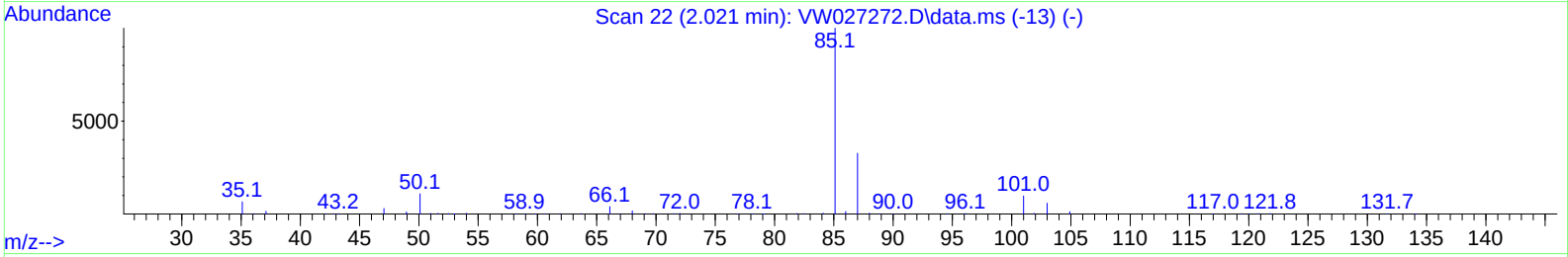


TIC: VW027272.D\data.ms

**(2) Dichlorodifluoromethane (T)**

**2.021min (-0.000) 24.56 ug/L m**

**response 220021**

| Ion | Exp% | Act% |
|---|---|---|
| 85.00 | 100.00 | 100.00 |
| 87.00 | 27.60 | 22.66 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW100923\
Data File : VW027272.D
Acq On : 09 Oct 2023 10:00
Operator : SY/MD
Sample : VSTDCCC025
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

**Instrument :**
MSVOA_W
**LabSampleId :**
VSTDCCC025

**Manual IntegrationsAPPROVED**

Reviewed By :Semsettin Yesilyurt 10/10/2023
Supervised By :Mahesh Dadoda 10/10/2023

Quant Time: Oct 10 01:19:05 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM092723SMA.M
Quant Title : SFAM01.0
QLast Update : Sat Oct 07 00:22:13 2023
Response via : Initial Calibration

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) 1,4-Difluorobenzene | 8.843 | 114 | 689377 | 25.000 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 11.629 | 117 | 659735 | 25.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 13.556 | 152 | 352727 | 25.000 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 2.369 | 65 | 207784 | 19.184 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 76.720% | | | |
| 7) Chloroethane-d5 | 2.899 | 69 | 183116 | 21.391 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 85.560% | | | |
| 11) 1,1-Dichloroethene-d2 | 4.021 | 65 | 100198 | 22.266 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 110 | | Recovery = 89.080% | | | |
| 21) 2-Butanone-d5 | 7.081 | 46 | 102287 | 45.682 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 91.360% | | | |
| 24) Chloroform-d | 7.648 | 84 | 472964 | 23.442 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 40 - 150 | | Recovery = 93.760% | | | |
| 26) 1,2-Dichloroethane-d4 | 8.307 | 65 | 233574 | 24.157 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 96.640% | | | |
| 32) Benzene-d6 | 8.276 | 84 | 934688 | 23.117 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 20 - 135 | | Recovery = 92.480% | | | |
| 36) 1,2-Dichloropropane-d6 | 9.270 | 67 | 285753 | 23.606 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 120 | | Recovery = 94.440% | | | |
| 41) Toluene-d8 | 10.319 | 98 | 811406 | 22.742 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 130 | | Recovery = 90.960% | | | |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79 | 110546 | 23.271 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 135 | | Recovery = 93.080% | | | |
| 47) 2-Hexanone-d5 | 10.922 | 63 | 85550 | 46.201 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 92.400% | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84 | 218250 | 23.559 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 120 | | Recovery = 94.240% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 13.854 | 152 | 261049 | 22.073 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 75 - 120 | | Recovery = 88.280% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 2.021 | 85 | 220021m | 24.562 | ug/L | |
| 3) Chloromethane | 2.228 | 50 | 223717 | 18.502 | ug/L | 99 |
| 5) Vinyl chloride | 2.375 | 62 | 259727 | 19.674 | ug/L | 98 |
| 6) Bromomethane | 2.795 | 94 | 175608 | 20.191 | ug/L | 96 |
| 8) Chloroethane | 2.936 | 64 | 170572 | 21.289 | ug/L | 97 |
| 9) Trichlorofluoromethane | 3.271 | 101 | 207424 | 18.695 | ug/L | 98 |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.076 | 101 | 238728 | 21.385 | ug/L | 95 |
| 12) 1,1-Dichloroethene | 4.045 | 96 | 223480 | 20.954 | ug/L | 86 |
| 13) Acetone | 4.125 | 43 | 140898 | 50.923 | ug/L | 97 |
| 14) Carbon disulfide | 4.393 | 76 | 683621 | 19.098 | ug/L | 100 |
| 15) Methyl Acetate | 4.673 | 43 | 90884 | 19.598 | ug/L | 98 |
| 16) Methylene chloride | 4.923 | 84 | 267364 | 19.812 | ug/L | 98 |
| 17) trans-1,2-Dichloroethene | 5.435 | 96 | 235745 | 20.544 | ug/L | 95 |
| 18) Methyl tert-butyl Ether | 5.435 | 73 | 288903 | 20.118 | ug/L | 97 |
| 19) 1,1-Dichloroethane | 6.222 | 63 | 459835 | 21.488 | ug/L | 98 |
| 20) cis-1,2-Dichloroethene | 7.179 | 96 | 256313 | 20.954 | ug/L | 99 |
| 22) 2-Butanone | 7.173 | 43 | 154494 | 45.148 | ug/L | 94 |
| 23) Bromochloromethane | 7.520 | 128 | 109943 | 19.698 | ug/L | 88 |
| 25) Chloroform | 7.679 | 83 | 465501 | 22.302 | ug/L | 99 |

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Quant Time: Oct 10 01:19:05 2023
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Quant Title : SFAM01.0
QLast Update : Sat Oct 07 00:22:13 2023
Response via : Initial Calibration

**Instrument :**
MSVOA_W
**LabSampleId :**
VSTDCCC025

**Manual IntegrationsAPPROVED**

Reviewed By :Semsettin Yesilyurt 10/10/2023
Supervised By :Mahesh Dadoda 10/10/2023

| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 27) 1,2-Dichloroethane | 8.398 | 62 | 290043 | 22.684 | ug/L | 100 |
| 29) Cyclohexane | 7.959 | 56 | 377041 | 21.481 | ug/L | 98 |
| 30) 1,1,1-Trichloroethane | 7.874 | 97 | 366827 | 22.367 | ug/L | 96 |
| 31) Carbon tetrachloride | 8.069 | 117 | 335456 | 21.656 | ug/L | 97 |
| 33) Benzene | 8.325 | 78 | 1063445 | 22.806 | ug/L | 100 |
| 34) Trichloroethene | 9.093 | 95 | 261723 | 21.494 | ug/L | 97 |
| 35) Methylcyclohexane | 9.337 | 83 | 443191 | 21.640 | ug/L | 97 |
| 37) 1,2-Dichloropropane | 9.367 | 63 | 270094 | 22.480 | ug/L | 100 |
| 38) Bromodichloromethane | 9.642 | 83 | 324234 | 22.469 | ug/L | 99 |
| 39) cis-1,3-Dichloropropene | 10.075 | 75 | 387471 | 21.887 | ug/L | 99 |
| 40) 4-Methyl-2-pentanone | 10.209 | 43 | 255479 | 43.830 | ug/L | 95 |
| 42) Toluene | 10.386 | 91 | 1102488 | 23.023 | ug/L | 97 |
| 44) trans-1,3-Dichloropropene | 10.605 | 75 | 327424 | 22.567 | ug/L | 98 |
| 45) 1,1,2-Trichloroethane | 10.788 | 97 | 189637 | 21.810 | ug/L | 98 |
| 46) Tetrachloroethene | 10.861 | 164 | 192901 | 20.152 | ug/L | 93 |
| 48) 2-Hexanone | 10.965 | 43 | 208723 | 45.676 | ug/L | 98 |
| 49) Dibromochloromethane | 11.129 | 129 | 199168 | 21.121 | ug/L | 97 |
| 50) 1,2-Dibromoethane | 11.233 | 107 | 169527 | 21.011 | ug/L | 99 |
| 51) Chlorobenzene | 11.654 | 112 | 690867 | 21.741 | ug/L | 99 |
| 52) Ethylbenzene | 11.727 | 91 | 1230706 | 22.877 | ug/L | 97 |
| 53) m,p-Xylene | 11.837 | 106 | 450400 | 21.835 | ug/L | 97 |
| 54) o-Xylene | 12.166 | 106 | 424406 | 22.025 | ug/L | 100 |
| 55) Styrene | 12.178 | 104 | 740822 | 22.334 | ug/L | 98 |
| 57) 1,1,2,2-Tetrachloroethane | 12.714 | 83 | 220279 | 21.121 | ug/L | 99 |
| 59) Bromoform | 12.349 | 173 | 108373 | 19.457 | ug/L | 99 |
| 60) Isopropylbenzene | 12.464 | 105 | 1158203 | 22.299 | ug/L | 99 |
| 61) 1,2,3-Trichloropropane | 12.763 | 75 | 154027 | 21.329 | ug/L | 97 |
| 62) 1,3,5-Trimethylbenzene | 12.940 | 105 | 922682 | 22.658 | ug/L | 97 |
| 63) 1,2,4-Trimethylbenzene | 13.245 | 105 | 901382 | 22.587 | ug/L | 99 |
| 64) 1,3-Dichlorobenzene | 13.495 | 146 | 511512 | 21.338 | ug/L | 99 |
| 65) 1,4-Dichlorobenzene | 13.574 | 146 | 532357 | 22.104 | ug/L | 97 |
| 67) 1,2-Dichlorobenzene | 13.867 | 146 | 458360 | 21.814 | ug/L | 90 |
| 68) 1,2-Dibromo-3-chloropr... | 14.476 | 75 | 29508 | 19.076 | ug/L | 98 |
| 69) 1,3,5-Trichlorobenzene | 14.623 | 180 | 311313 | 20.167 | ug/L | 93 |
| 70) 1,2,4-trichlorobenzene | 15.123 | 180 | 245160 | 20.130 | ug/L | 97 |
| 71) Naphthalene | 15.360 | 128 | 415676 | 19.345 | ug/L | 100 |
| 72) 1,2,3-Trichlorobenzene | 15.549 | 180 | 214683 | 19.859 | ug/L | 99 |

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

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