Quantitation Report (Qedit)

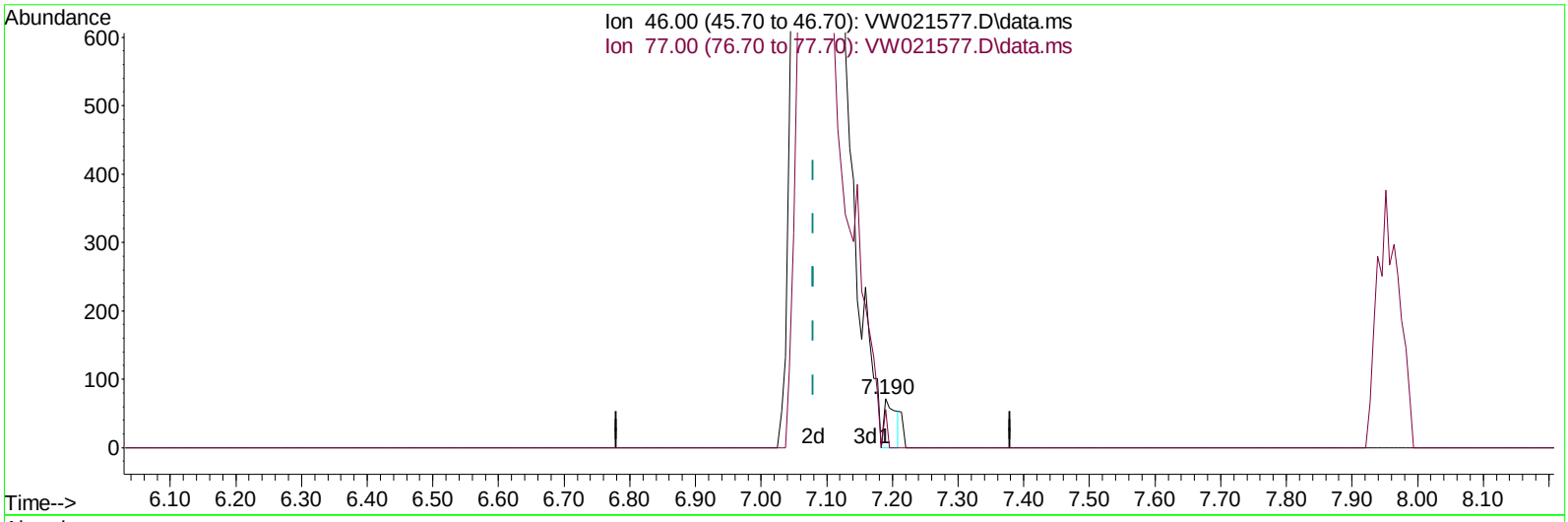
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW122221\
Data File : VW021577.D
Acq On : 22 Dec 2021 20:54
Operator : SY/VA
Sample : VSTDCCC025
Misc : 5.00g/10.0mL/MSVOA_W/SOIL
ALS Vial : 24 Sample Multiplier: 1

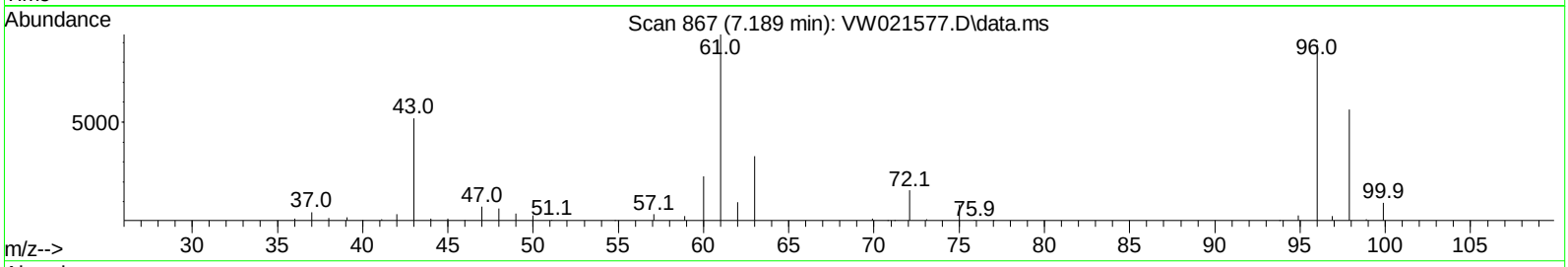
Quant Time: Dec 23 00:39:10 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Dec 23 00:34:33 2021
Response via : Initial Calibration

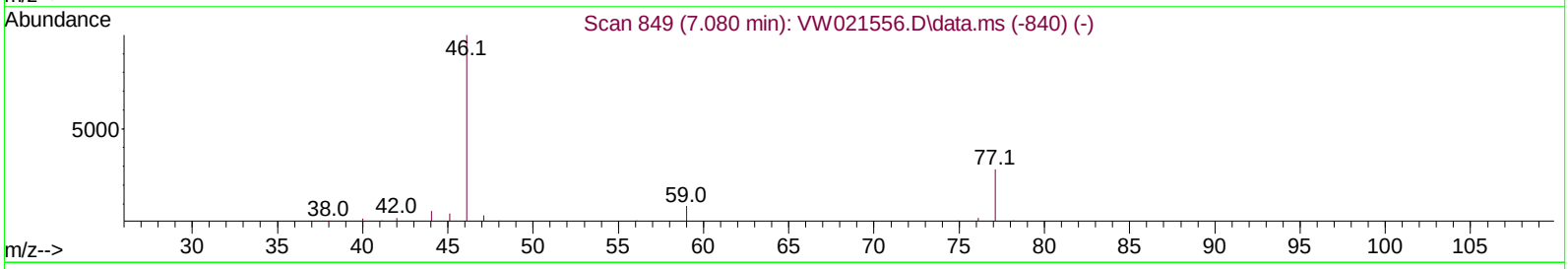
**Instrument :**
MSVOA_W
**LabSampleId :**
VSTDCCC025

**Manual IntegrationsAPPROVED**

Reviewed By :Semsettin Yesilyurt 12/24/2021
Supervised By :Mahesh Dadoda 01/02/2022




TIC: VW021577.D\data.ms

**(21) 2-Butanone-d5 (S)**

**7.189min (+ 0.110) 0.29 ug/L**

**response 87**

| Ion | Exp% | Act% |
|---|---|---|
| 46.00 | 100.00 | 100.00 |
| 77.00 | 20.20 | 22.99 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

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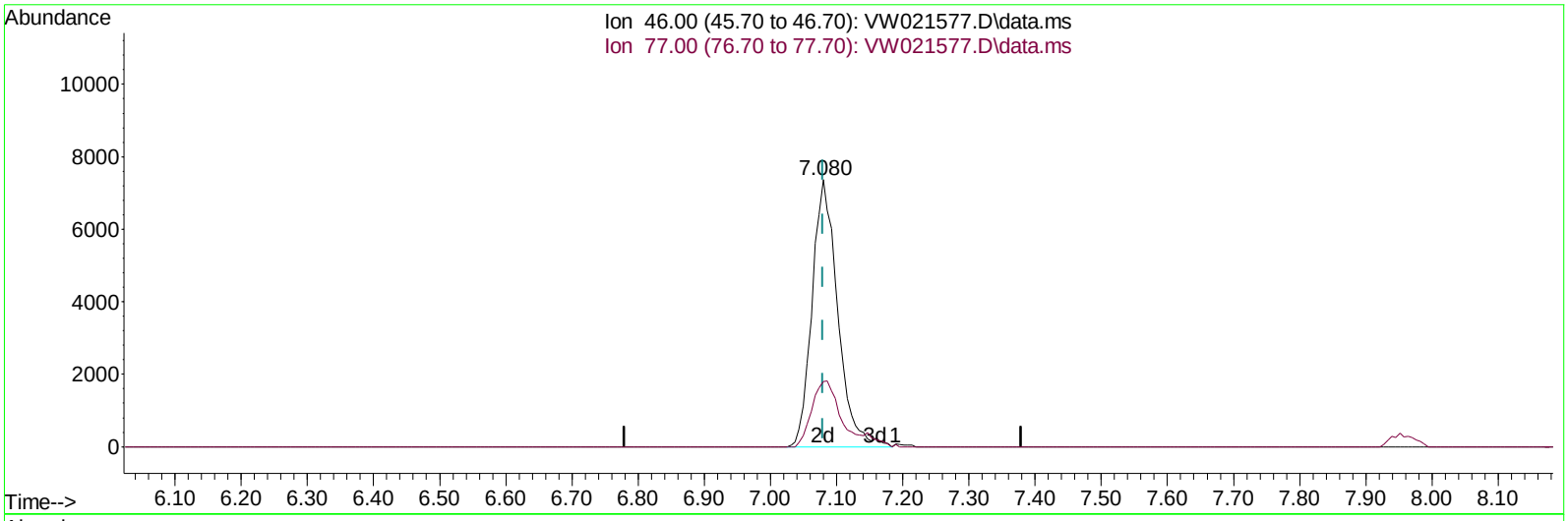


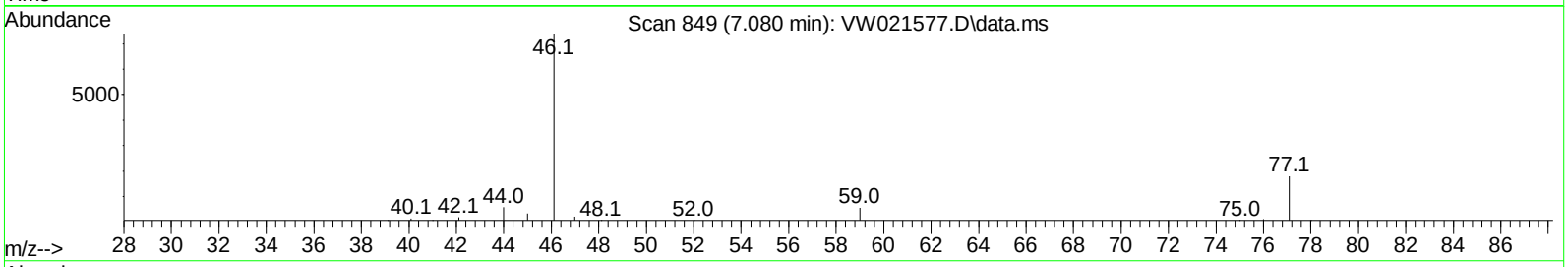


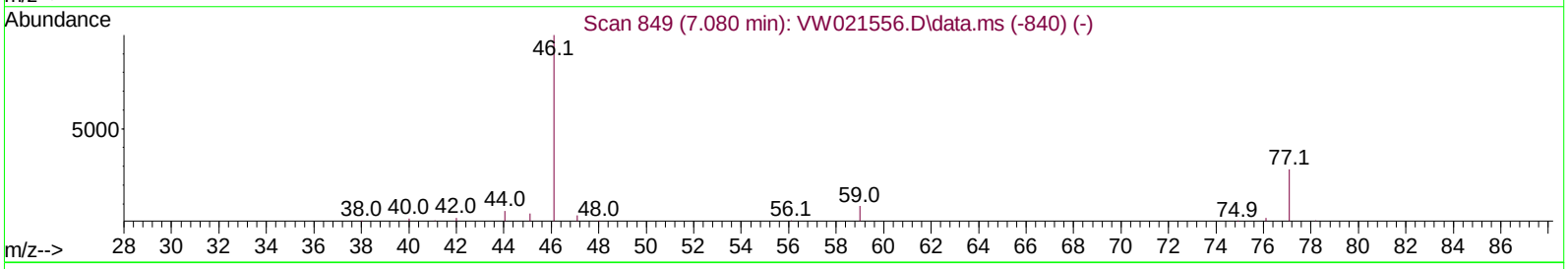


TIC: VW021577.D\data.ms

**(21) 2-Butanone-d5 (S)**

**7.080min (+ 0.000) 65.07 ug/L m**

**response 19800**

| Ion | Exp% | Act% |
|---|---|---|
| 46.00 | 100.00 | 100.00 |
| 77.00 | 20.20 | 0.10# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM120921SMA.M
Quant Title : SFAM01.0
QLast Update : Thu Dec 23 00:34:33 2021
Response via : Initial Calibration

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

**Manual IntegrationsAPPROVED**

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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| **Internal Standards** | | | | | | |
| 1) 1,4-Difluorobenzene | 8.842 | 114 | 118531 | 25.000 | ug/L | # 0.00 |
| 28) Chlorobenzene-d5 | 11.628 | 117 | 121072 | 25.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 13.554 | 152 | 70004 | 25.000 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 2.349 | 65 | 51292 | 23.760 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 95.040% | | | |
| 7) Chloroethane-d5 | 2.879 | 69 | 34413 | 24.114 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 96.440% | | | |
| 11) 1,1-Dichloroethene-d2 | 4.019 | 63 | 77539 | 26.942 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 110 | | Recovery = 107.760% | | | |
| 21) 2-Butanone-d5 | 7.080 | 46 | 19800m | 65.067 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 130.140% | | | |
| 24) Chloroform-d | 7.647 | 84 | 90155 | 27.293 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 40 - 150 | | Recovery = 109.160% | | | |
| 26) 1,2-Dichloroethane-d4 | 8.305 | 65 | 48992 | 27.883 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 111.520% | | | |
| 32) Benzene-d6 | 8.275 | 84 | 172837 | 26.044 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 20 - 135 | | Recovery = 104.160% | | | |
| 36) 1,2-Dichloropropane-d6 | 9.274 | 67 | 47608 | 26.749 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 120 | | Recovery = 107.000% | | | |
| 41) Toluene-d8 | 10.323 | 98 | 178147 | 26.273 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 130 | | Recovery = 105.080% | | | |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79 | 23129 | 28.223 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 135 | | Recovery = 112.880% | | | |
| 47) 2-Hexanone-d5 | 10.921 | 63 | 16806 | 63.857 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 127.720% | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 12.689 | 84 | 41034 | 26.820 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 120 | | Recovery = 107.280% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 13.847 | 152 | 68238 | 25.152 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 75 - 120 | | Recovery = 100.600% | | | |
| **Target Compounds** | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 2.007 | 85 | 12334 | 26.932 | ug/L | 93 |
| 3) Chloromethane | 2.209 | 50 | 31818 | 20.985 | ug/L | 100 |
| 5) Vinyl chloride | 2.355 | 62 | 47269 | 19.859 | ug/L | 94 |
| 6) Bromomethane | 2.776 | 94 | 30226 | 19.578 | ug/L | 99 |
| 8) Chloroethane | 2.916 | 64 | 22783 | 20.777 | ug/L | 99 |
| 9) Trichlorofluoromethane | 3.257 | 101 | 30220 | 24.063 | ug/L | 99 |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.062 | 101 | 40757 | 24.902 | ug/L | 91 |
| 12) 1,1-Dichloroethene | 4.038 | 96 | 35903 | 24.436 | ug/L | 84 |
| 13) Acetone | 4.129 | 43 | 15387 | 56.405 | ug/L | 95 |
| 14) Carbon disulfide | 4.379 | 76 | 80278 | 21.158 | ug/L | 99 |
| 15) Methyl Acetate | 4.678 | 43 | 14202 | 30.173 | ug/L # | 89 |
| 16) Methylene chloride | 4.916 | 84 | 40383 | 20.619 | ug/L | 82 |
| 17) trans-1,2-Dichloroethene | 5.428 | 96 | 38707 | 24.331 | ug/L | 81 |
| 18) Methyl tert-butyl Ether | 5.434 | 73 | 63553 | 28.926 | ug/L | 94 |
| 19) 1,1-Dichloroethane | 6.220 | 63 | 64634 | 25.892 | ug/L | 98 |
| 20) cis-1,2-Dichloroethene | 7.165 | 96 | 44046 | 26.250 | ug/L | 72 |
| 22) 2-Butanone | 7.177 | 43 | 21091 | 59.202 | ug/L | 87 |
| 23) Bromochloromethane | 7.513 | 128 | 20811 | 26.525 | ug/L # | 65 |

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**Instrument :**
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| Compound | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 25) Chloroform | 7.677 | 83 | 76490 | 26.395 | ug/L | | 97 |
| 27) 1,2-Dichloroethane | 8.397 | 62 | 49455 | 26.949 | ug/L | | 97 |
| 29) Cyclohexane | 7.958 | 56 | 56146 | 23.299 | ug/L | # | 82 |
| 30) 1,1,1-Trichloroethane | 7.872 | 97 | 67567 | 24.873 | ug/L | | 95 |
| 31) Carbon tetrachloride | 8.067 | 117 | 59452 | 23.724 | ug/L | | 95 |
| 33) Benzene | 8.323 | 78 | 154067 | 23.360 | ug/L | | 100 |
| 34) Trichloroethene | 9.092 | 95 | 44518 | 24.045 | ug/L | | 93 |
| 35) Methylcyclohexane | 9.335 | 83 | 68859 | 22.547 | ug/L | # | 85 |
| 37) 1,2-Dichloropropane | 9.366 | 63 | 36432 | 24.764 | ug/L | # | 96 |
| 38) Bromodichloromethane | 9.646 | 83 | 53684 | 26.540 | ug/L | # | 95 |
| 39) cis-1,3-Dichloropropene | 10.073 | 75 | 60626 | 26.143 | ug/L | | 98 |
| 40) 4-Methyl-2-pentanone | 10.207 | 43 | 44509 | 55.525 | ug/L | # | 90 |
| 42) Toluene | 10.384 | 91 | 182433 | 23.651 | ug/L | | 99 |
| 44) trans-1,3-Dichloropropene | 10.604 | 75 | 54244 | 26.705 | ug/L | | 99 |
| 45) 1,1,2-Trichloroethane | 10.786 | 97 | 31535 | 26.190 | ug/L | | 93 |
| 46) Tetrachloroethene | 10.860 | 164 | 38839 | 22.083 | ug/L | | 92 |
| 48) 2-Hexanone | 10.963 | 43 | 32618 | 56.112 | ug/L | # | 93 |
| 49) Dibromochloromethane | 11.128 | 129 | 39003 | 26.275 | ug/L | | 94 |
| 50) 1,2-Dibromoethane | 11.231 | 107 | 30871 | 25.762 | ug/L | | 97 |
| 51) Chlorobenzene | 11.658 | 112 | 118881 | 23.020 | ug/L | | 93 |
| 52) Ethylbenzene | 11.725 | 91 | 204089 | 23.153 | ug/L | | 98 |
| 53) m,p-Xylene | 11.841 | 106 | 82197 | 23.115 | ug/L | | 87 |
| 54) o-Xylene | 12.164 | 106 | 78813 | 23.354 | ug/L | | 92 |
| 55) Styrene | 12.176 | 104 | 136681 | 23.797 | ug/L | | 97 |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83 | 35878 | 25.993 | ug/L | # | 96 |
| 59) Bromoform | 12.347 | 173 | 23009 | 27.624 | ug/L | | 94 |
| 60) Isopropylbenzene | 12.463 | 105 | 222991 | 23.443 | ug/L | | 96 |
| 61) 1,2,3-Trichloropropane | 12.768 | 75 | 27072 | 26.572 | ug/L | # | 92 |
| 62) 1,3,5-Trimethylbenzene | 12.945 | 105 | 182211 | 22.511 | ug/L | | 93 |
| 63) 1,2,4-Trimethylbenzene | 13.249 | 105 | 186457 | 23.351 | ug/L | | 95 |
| 64) 1,3-Dichlorobenzene | 13.499 | 146 | 103669 | 23.106 | ug/L | | 89 |
| 65) 1,4-Dichlorobenzene | 13.579 | 146 | 104828 | 23.516 | ug/L | | 89 |
| 67) 1,2-Dichlorobenzene | 13.865 | 146 | 90448 | 22.898 | ug/L | | 98 |
| 68) 1,2-Dibromo-3-chloropr... | 14.481 | 75 | 5419 | 25.787 | ug/L | # | 69 |
| 69) 1,3,5-Trichlorobenzene | 14.627 | 180 | 75284 | 22.450 | ug/L | | 99 |
| 70) 1,2,4-trichlorobenzene | 15.127 | 180 | 59579 | 22.089 | ug/L | | 96 |
| 71) Naphthalene | 15.359 | 128 | 106313 | 24.261 | ug/L | | 99 |
| 72) 1,2,3-Trichlorobenzene | 15.548 | 180 | 47725 | 21.410 | ug/L | | 96 |

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

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