Quantitation Report (Qedit)

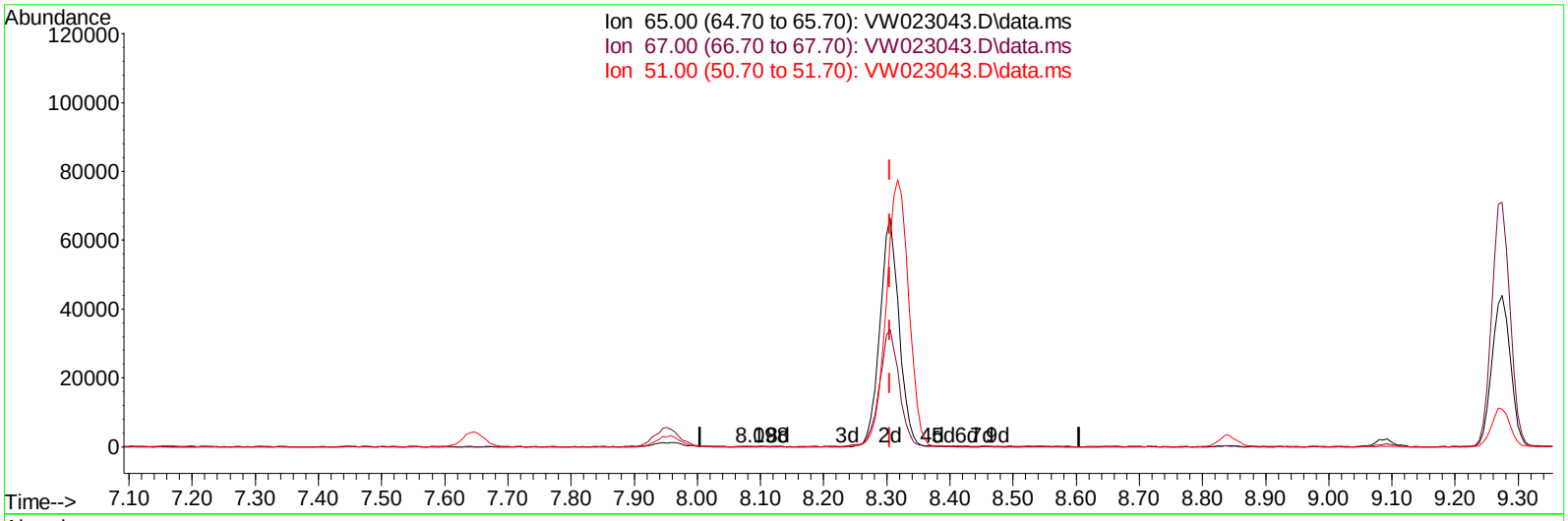
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW051622\
Data File : VW023043.D
Acq On : 16 May 2022 10:42
Operator : SY/VA
Sample : N2815-07
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

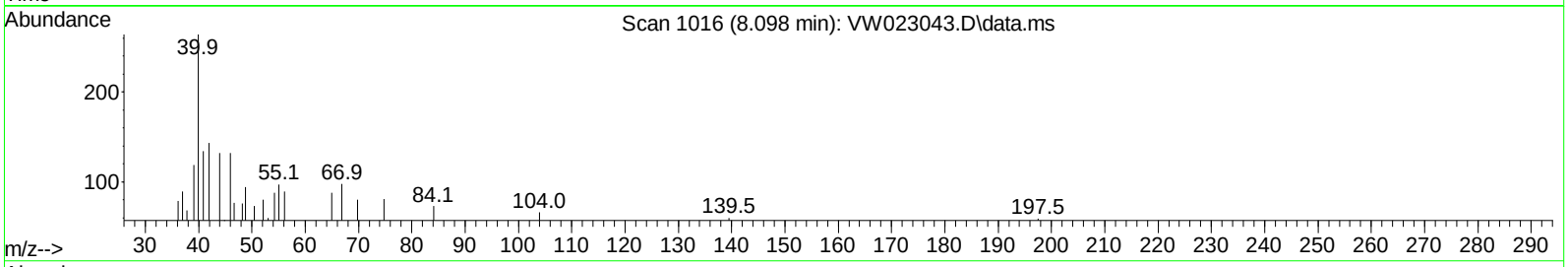
Quant Time: May 17 01:25:30 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050222SMA.M
Quant Title : SFAM01.0
QLast Update : Tue May 17 01:24:30 2022
Response via : Initial Calibration

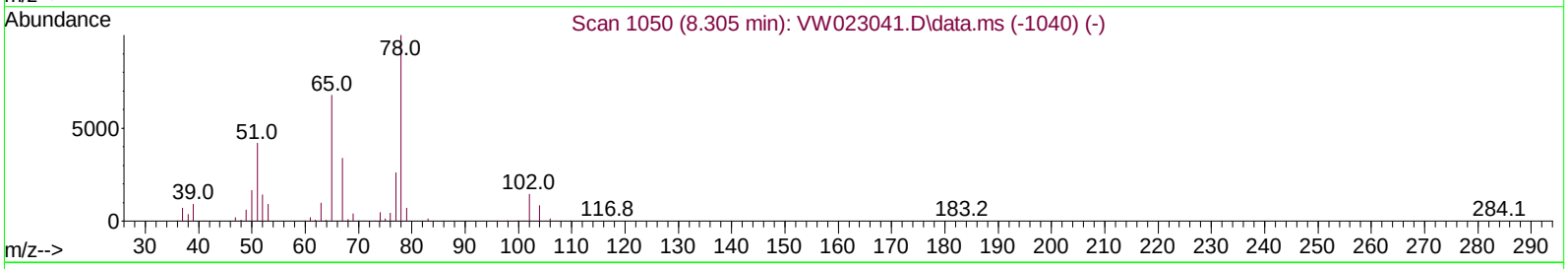
**Instrument :**
MSVOA_W
**ClientSampleId :**
X3A86

**Manual IntegrationsAPPROVED**

Reviewed By :Semsettin Yesilyurt 05/17/2022
Supervised By :Mahesh Dadoda 05/18/2022




TIC: VW023043.D\data.ms

**(26) 1,2-Dichloroethane-d4 (S)**

**8.098min (-0.207) 0.01 ug/L**

**response 51**

| Ion | Exp% | Act% |
|---|---|---|
| 65.00 | 100.00 | 100.00 |
| 67.00 | 51.10 | 54.90 |
| 51.00 | 92.30 | 103.92 |
| 0.00 | 0.00 | 0.00 |

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**Instrument :**
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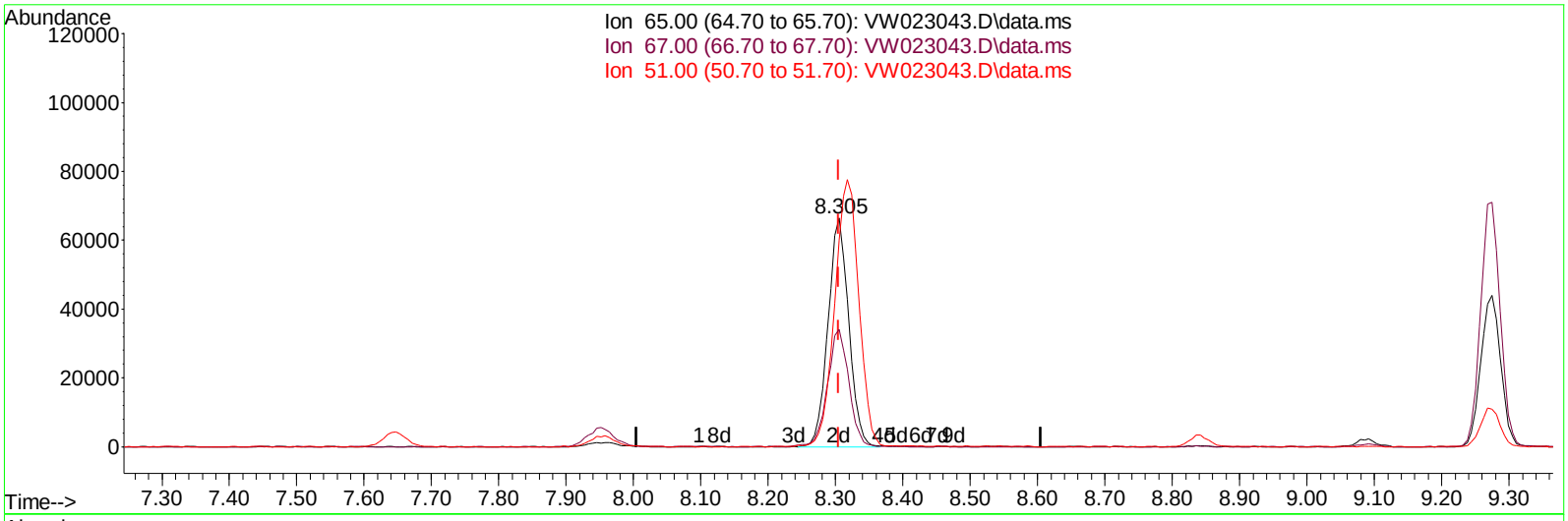


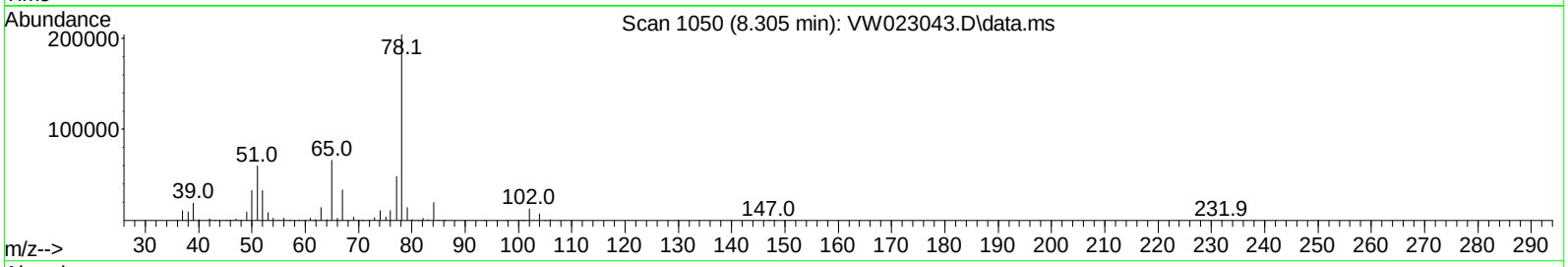


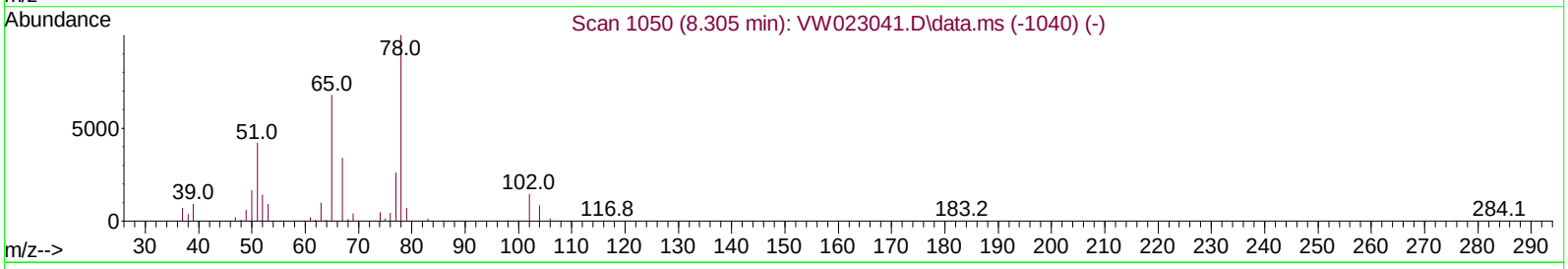


TIC: VW023043.D\data.ms

**(26) 1,2-Dichloroethane-d4 (S)**

**8.305min (+ 0.000) 25.73 ug/L m**

**response 140539**

| Ion | Exp% | Act% |
|---|---|---|
| 65.00 | 100.00 | 100.00 |
| 67.00 | 51.10 | 0.02# |
| 51.00 | 92.30 | 0.04# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT/LSC Reviewed)

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Quant Time: May 17 01:25:30 2022
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM050222SMA.M
Quant Title : SFAM01.0
QLast Update : Tue May 17 01:24:30 2022
Response via : Initial Calibration

**Instrument :**
MSVOA_W
**ClientSampleId :**
X3A86

**Manual IntegrationsAPPROVED**

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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Difluorobenzene | 8.842 | 114 | 339891 | 25.000 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 11.628 | 117 | 323087 | 25.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 13.554 | 152 | 183780 | 25.000 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 4) Vinyl Chloride-d3 | 2.349 | 65 | 171599 | 24.608 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 98.440% | | | |
| 7) Chloroethane-d5 | 2.886 | 69 | 121359 | 26.750 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 107.000% | | | |
| 11) 1,1-Dichloroethene-d2 | 4.019 | 63 | 205748 | 22.835 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 110 | | Recovery = 91.320% | | | |
| 21) 2-Butanone-d5 | 7.080 | 46 | 61698 | 46.534 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 93.060% | | | |
| 24) Chloroform-d | 7.647 | 84 | 258459 | 25.955 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 40 - 150 | | Recovery = 103.800% | | | |
| 26) 1,2-Dichloroethane-d4 | 8.305 | 65 | 140539m | 25.732 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 102.920% | | | |
| 32) Benzene-d6 | 8.269 | 84 | 505950 | 27.169 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 20 - 135 | | Recovery = 108.680% | | | |
| 36) 1,2-Dichloropropane-d6 | 9.275 | 67 | 143013 | 27.339 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 120 | | Recovery = 109.360% | | | |
| 41) Toluene-d8 | 10.323 | 98 | 490092 | 27.243 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 130 | | Recovery = 108.960% | | | |
| 43) trans-1,3-Dichloroprop... | 10.579 | 79 | 64181 | 26.646 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 135 | | Recovery = 106.600% | | | |
| 47) 2-Hexanone-d5 | 10.921 | 63 | 48587 | 48.655 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 97.300% | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 12.689 | 84 | 125051 | 25.647 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 120 | | Recovery = 102.600% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 13.853 | 152 | 177417 | 27.616 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 75 - 120 | | Recovery = 110.480% | | | |
| Target Compounds | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 2.008 | 85 | 23677 | 12.779 | ug/L | 92 |
| 3) Chloromethane | 2.215 | 50 | 56635 | 15.818 | ug/L | 97 |
| 5) Vinyl chloride | 2.361 | 62 | 188849 | 26.282 | ug/L | 99 |
| 6) Bromomethane | 2.776 | 94 | 61592 | 13.350 | ug/L | 91 |
| 8) Chloroethane | 2.922 | 64 | 34137 | 9.850 | ug/L | 96 |
| 9) Trichlorofluoromethane | 3.257 | 101 | 35043 | 10.670 | ug/L | 96 |
| 10) 1,1,2-Trichloro-1,2,2-... | 4.062 | 101 | 112162 | 22.840 | ug/L | 98 |
| 12) 1,1-Dichloroethene | 4.038 | 96 | 75231 | 17.282 | ug/L # | 80 |
| 15) Methyl Acetate | 4.666 | 43 | 47151 | 23.644 | ug/L | 100 |
| 16) Methylene chloride | 4.916 | 84 | 105920 | 21.297 | ug/L | 98 |
| 18) Methyl tert-butyl Ether | 5.428 | 73 | 309605 | 41.400 | ug/L | 99 |
| 22) 2-Butanone | 7.171 | 43 | 71707 | 51.654 | ug/L | 99 |
| 25) Chloroform | 7.677 | 83 | 192451 | 20.962 | ug/L | 99 |
| 29) Cyclohexane | 7.952 | 56 | 160646 | 22.991 | ug/L | 99 |
| 33) Benzene | 8.324 | 78 | 856857 | 45.019 | ug/L | 100 |
| 34) Trichloroethene | 9.092 | 95 | 295791 | 56.509 | ug/L | 99 |
| 42) Toluene | 10.384 | 91 | 1210558 | 56.753 | ug/L | 97 |
| 45) 1,1,2-Trichloroethane | 10.787 | 97 | 79767 | 20.716 | ug/L | 97 |

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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 46) Tetrachloroethene | 10.860 | 164 | 45896 | 11.667 | ug/L | 93 |
| 51) Chlorobenzene | 11.652 | 112 | 192748 | 13.707 | ug/L | 97 |
| 52) Ethylbenzene | 11.725 | 91 | 669112 | 28.196 | ug/L | 100 |
| 53) m,p-Xylene | 11.841 | 106 | 317439 | 33.949 | ug/L | 98 |
| 54) o-Xylene | 12.164 | 106 | 253072 | 28.204 | ug/L | 99 |
| 55) Styrene | 12.177 | 104 | 161905 | 10.619 | ug/L | 94 |
| 57) 1,1,2,2-Tetrachloroethane | 12.713 | 83 | 56719 | 11.794 | ug/L | 97 |
| 59) Bromoform | 12.347 | 173 | 27417 | 10.527 | ug/L | 99 |
| 60) Isopropylbenzene | 12.463 | 105 | 555876 | 22.079 | ug/L | 100 |
| 63) 1,2,4-Trimethylbenzene | 13.249 | 105 | 556146 | 26.443 | ug/L | 97 |
| 64) 1,3-Dichlorobenzene | 13.493 | 146 | 240346 | 21.382 | ug/L | 91 |
| 65) 1,4-Dichlorobenzene | 13.579 | 146 | 121576 | 10.471 | ug/L | 97 |
| 70) 1,2,4-trichlorobenzene | 15.127 | 180 | 122774 | 20.455 | ug/L | 98 |
| 72) 1,2,3-Trichlorobenzene | 15.554 | 180 | 165350 | 31.083 | ug/L | 100 |

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

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