Quantitation Report (Qedit)

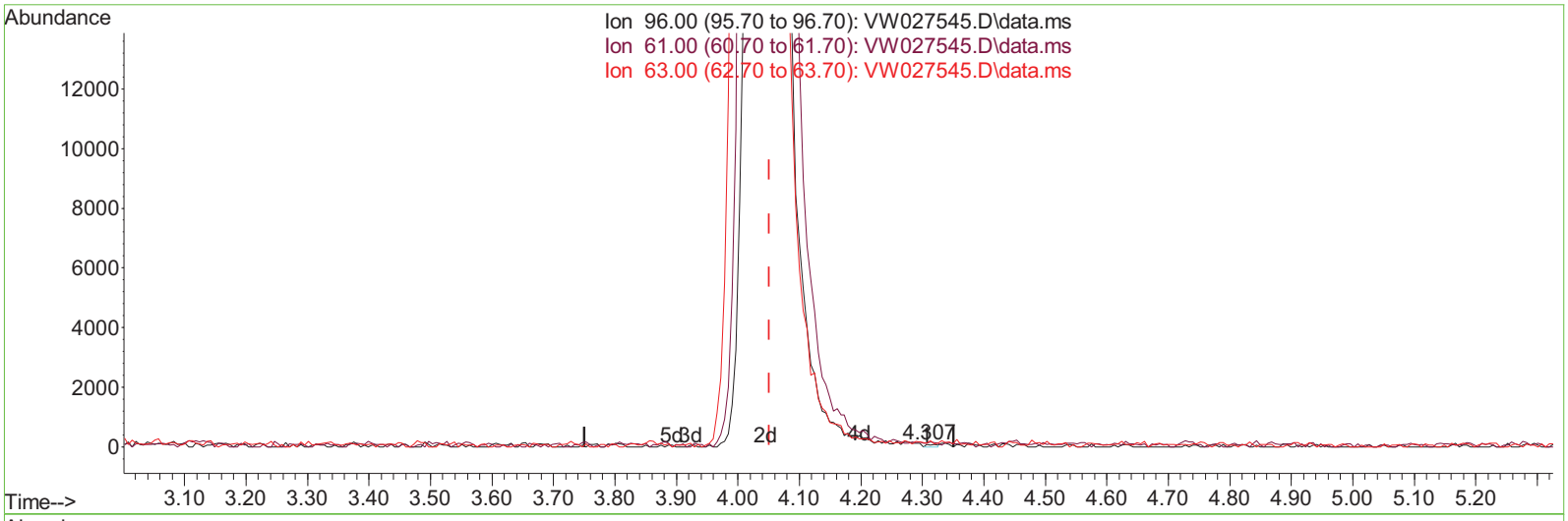
Data Path : Z:\voasrv\HPCHEM1\MSVOA_W\Data\VW110623\
Data File : VW027545.D
Acq On : 06 Nov 2023 14:32
Operator : SY/MD
Sample : 05168-07
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

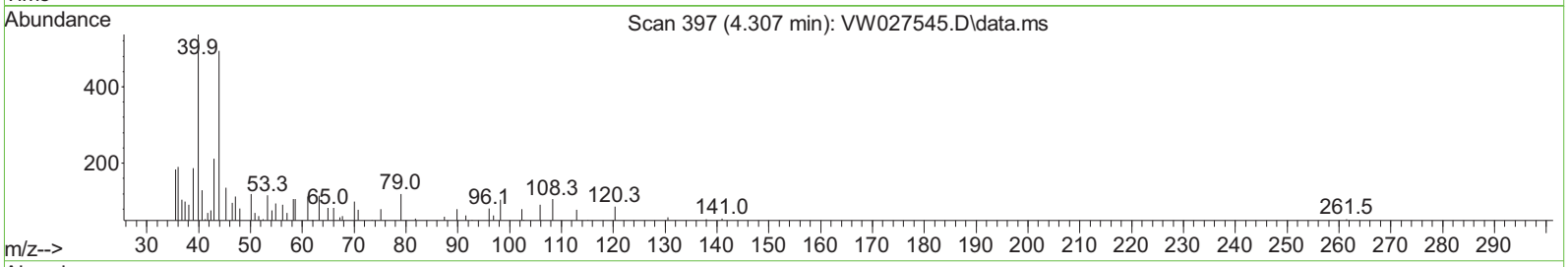
Quant Time: Nov 07 00:54:08 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110623SMA.M
Quant Title : SFAM01.0
QLast Update : Tue Nov 07 00:52:48 2023
Response via : Initial Calibration

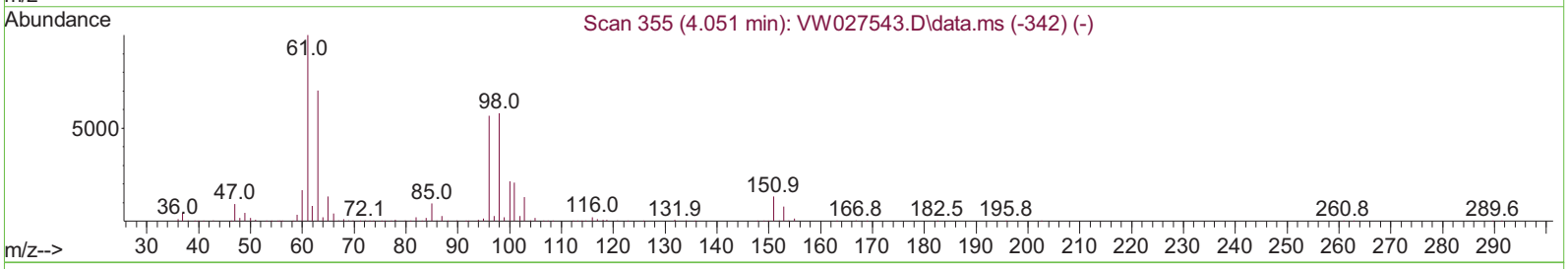
**Instrument :**
MSVOA_W
**ClientSampleId :**
XA018

**Manual IntegrationsAPPROVED**

Reviewed By :Semsettin Yesilyurt 11/07/2023
Supervised By :Mahesh Dadoda 11/09/2023




TIC: VW027545.D\data.ms

**(12) 1,1-Dichloroethene (T)**

**4.307min (+ 0.256) 0.02 ug/L**

**response 101**

| Ion | Exp% | Act% |
|---|---|---|
| 96.00 | 100.00 | 100.00 |
| 61.00 | 184.10 | 138.27 |
| 63.00 | 137.70 | 141.98 |
| 0.00 | 0.00 | 0.00 |

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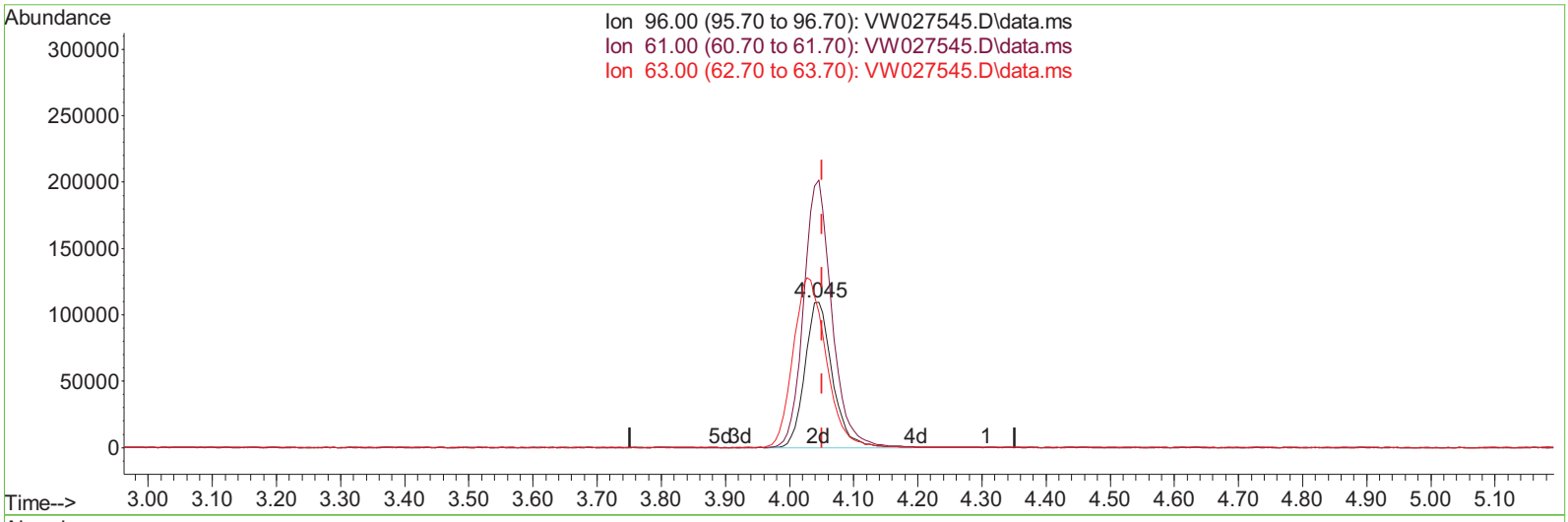


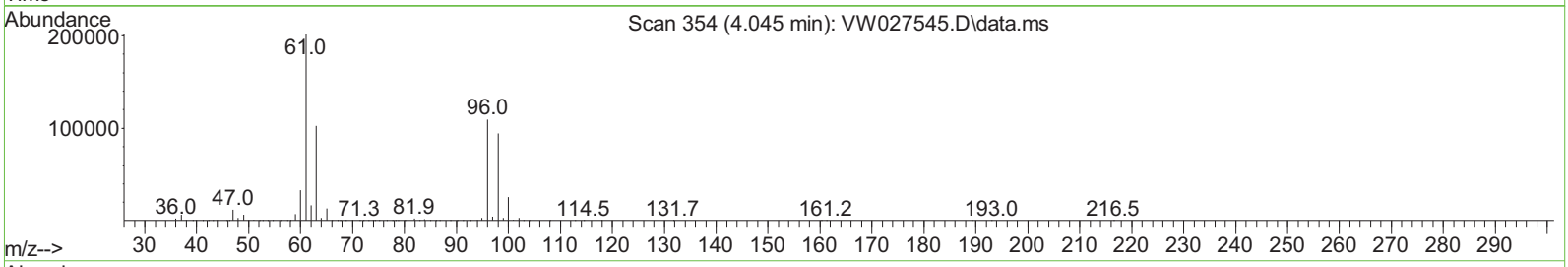


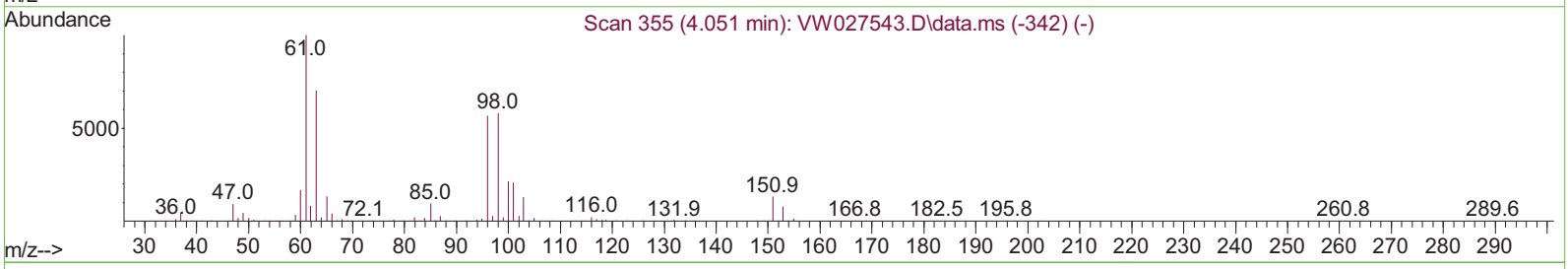


TIC: VW027545.D\data.ms

**(12) 1,1-Dichloroethene (T)**

**4.045min (-0.006) 52.09 ug/L m**

**response 326864**

| Ion | Exp% | Act% |
|---|---|---|
| 96.00 | 100.00 | 100.00 |
| 61.00 | 184.10 | 184.30 |
| 63.00 | 137.70 | 93.44# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

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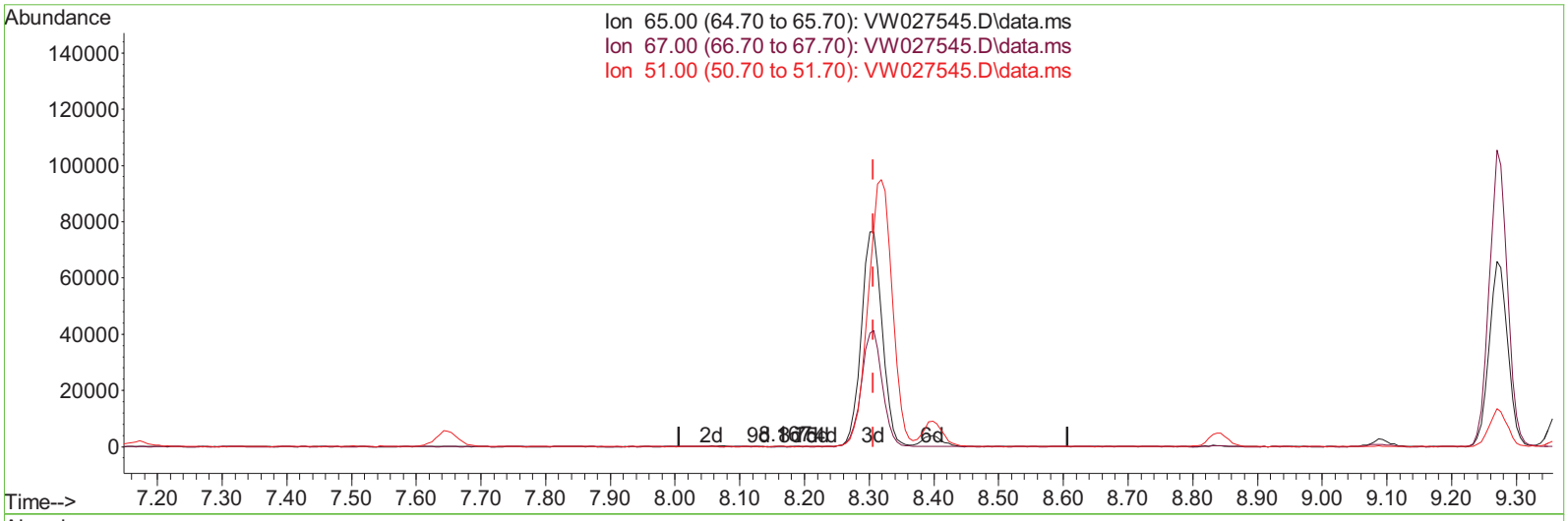


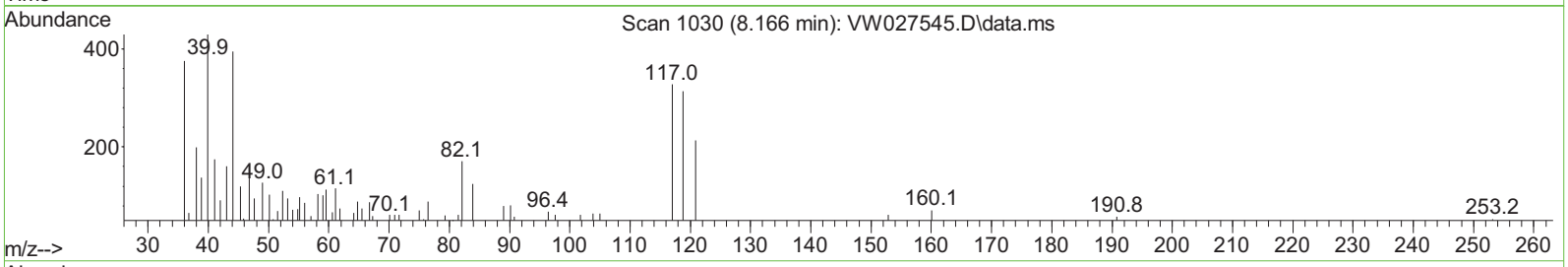


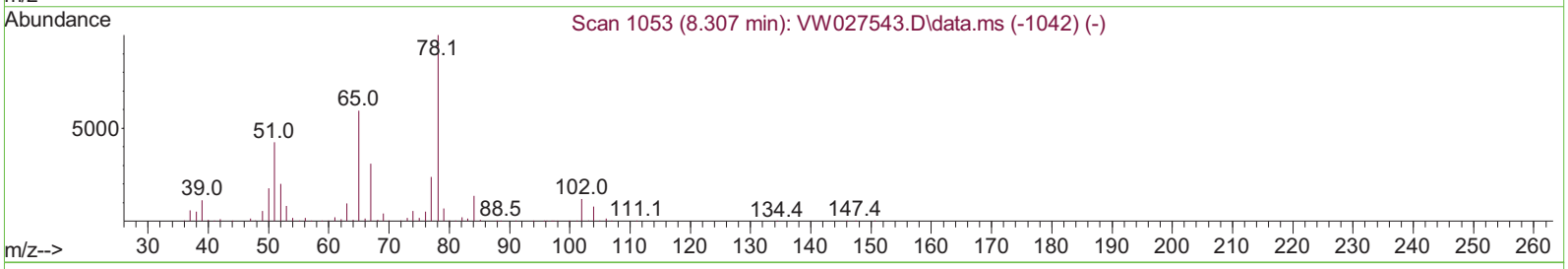


TIC: VW027545.D\data.ms

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

**8.166min (-0.140) 0.02 ug/L**

**response 138**

| Ion | Exp% | Act% |
|---|---|---|
| 65.00 | 100.00 | 100.00 |
| 67.00 | 53.80 | 57.25 |
| 51.00 | 107.50 | 121.74 |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (Qedit)

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Operator : SY/MD
Sample : 05168-07
Misc : 5.00g/10mL/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 07 00:54:08 2023
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_W\Method\SFAMWLM110623SMA.M
Quant Title : SFAM01.0
QLast Update : Tue Nov 07 00:52:48 2023
Response via : Initial Calibration

**Instrument :**
MSVOA_W
**ClientSampleId :**
XA018

**Manual IntegrationsAPPROVED**

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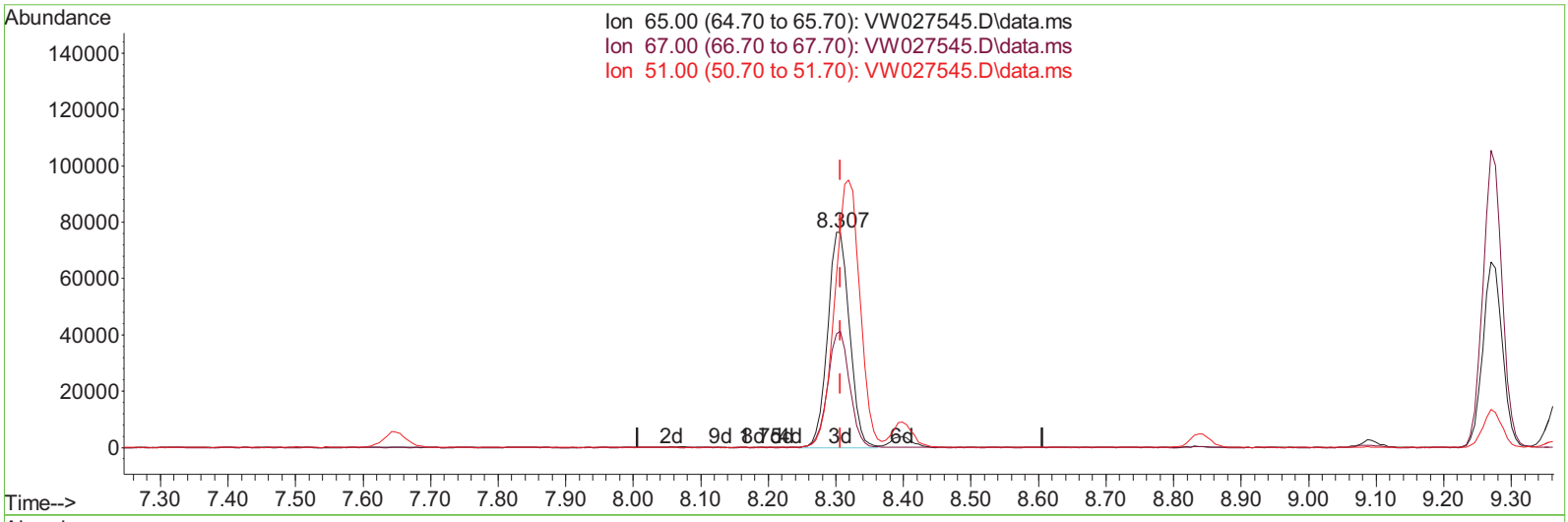


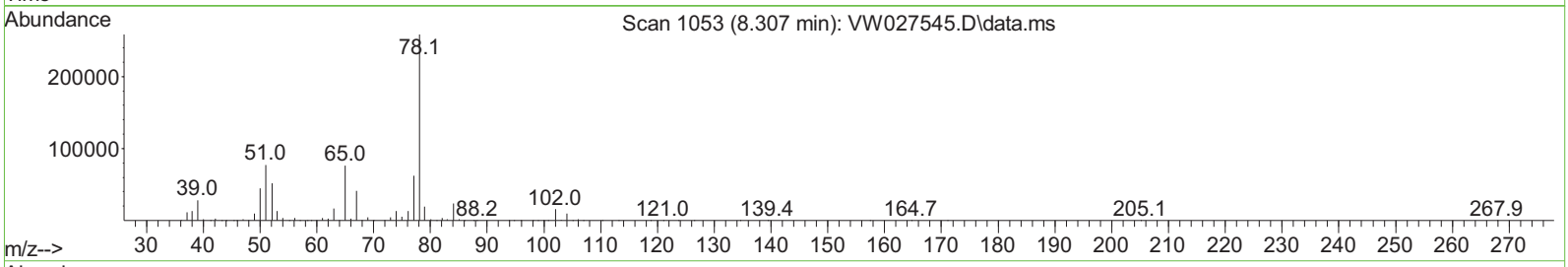


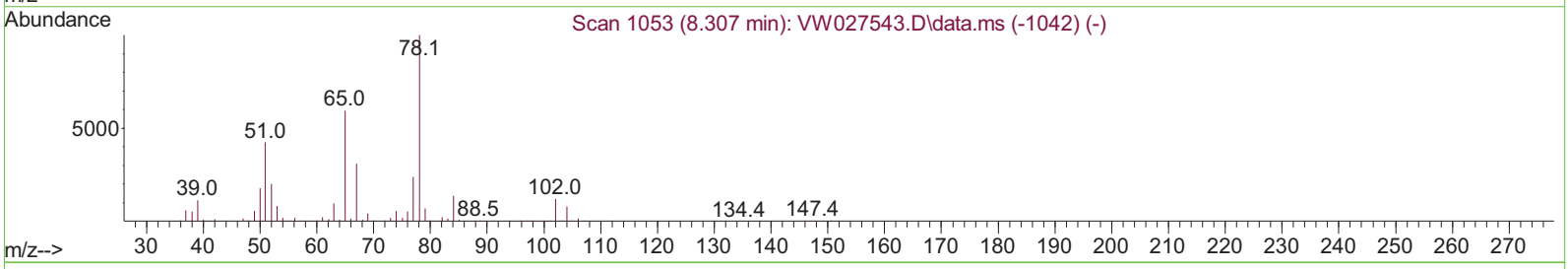


TIC: VW027545.D\data.ms

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

**8.307min (-0.000) 24.53 ug/L m**

**response 172936**

| Ion | Exp% | Act% |
|---|---|---|
| 65.00 | 100.00 | 100.00 |
| 67.00 | 53.80 | 0.05# |
| 51.00 | 107.50 | 0.10# |
| 0.00 | 0.00 | 0.00 |

Quantitation Report (QT Reviewed)

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**Instrument :**
MSVOA_W
**ClientSampleId :**
XA018

**Manual IntegrationsAPPROVED**

Reviewed By :Semsettin Yesilyurt 11/07/2023
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| Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| Internal Standards | | | | | | |
| 1) 1,4-Difluorobenzene | 8.843 | 114 | 475535 | 25.000 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 11.629 | 117 | 435732 | 25.000 | ug/L | 0.00 |
| 58) 1,4-Dichlorobenzene-d4 | 13.556 | 152 | 210309 | 25.000 | ug/L | 0.00 |
| System Monitoring Compounds | | | | | | |
| 4) Vinyl Chloride-d3 | 2.369 | 65 | 194599 | 22.576 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 90.320% | | | |
| 7) Chloroethane-d5 | 2.899 | 69 | 136317 | 23.018 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 92.080% | | | |
| 11) 1,1-Dichloroethene-d2 | 4.021 | 65 | 85480 | 22.779 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 110 | | Recovery = 91.120% | | | |
| 21) 2-Butanone-d5 | 7.075 | 46 | 95830 | 51.555 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 103.100% | | | |
| 24) Chloroform-d | 7.648 | 84 | 345186 | 24.880 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 40 - 150 | | Recovery = 99.520% | | | |
| 26) 1,2-Dichloroethane-d4 | 8.307 | 65 | 172936m | 24.532 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 98.120% | | | |
| 32) Benzene-d6 | 8.270 | 84 | 677410 | 23.253 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 20 - 135 | | Recovery = 93.000% | | | |
| 36) 1,2-Dichloropropane-d6 | 9.270 | 67 | 205940 | 22.889 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 120 | | Recovery = 91.560% | | | |
| 41) Toluene-d8 | 10.319 | 98 | 596784 | 22.897 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 130 | | Recovery = 91.600% | | | |
| 43) trans-1,3-Dichloroprop... | 10.575 | 79 | 84111 | 24.388 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 135 | | Recovery = 97.560% | | | |
| 47) 2-Hexanone-d5 | 10.922 | 63 | 75564 | 55.165 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 110.340% | | | |
| 56) 1,1,2,2-Tetrachloroeth... | 12.690 | 84 | 151293 | 25.011 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 120 | | Recovery = 100.040% | | | |
| 66) 1,2-Dichlorobenzene-d4 | 13.848 | 152 | 175476 | 21.951 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 75 - 120 | | Recovery = 87.800% | | | |
| Target Compounds | | | | | | Qvalue |
| 12) 1,1-Dichloroethene | 4.045 | 96 | 326864m | 52.091 | ug/L | |
| 13) Acetone | 4.125 | 43 | 46181 | 23.445 | ug/L | 94 |
| 16) Methylene chloride | 4.917 | 84 | 297344 | 38.310 | ug/L | 95 |
| 17) trans-1,2-Dichloroethene | 5.423 | 96 | 274121 | 41.246 | ug/L | 99 |
| 18) Methyl tert-butyl Ether | 5.429 | 73 | 233660 | 23.565 | ug/L | 99 |
| 19) 1,1-Dichloroethane | 6.216 | 63 | 516835 | 39.063 | ug/L | 98 |
| 20) cis-1,2-Dichloroethene | 7.167 | 96 | 590625 | 82.215 | ug/L | 98 |
| 22) 2-Butanone | 7.167 | 43 | 464530 | 183.120 | ug/L | 100 |
| 25) Chloroform | 7.673 | 83 | 810033 | 65.941 | ug/L | 99 |
| 27) 1,2-Dichloroethane | 8.398 | 62 | 199442 | 24.674 | ug/L | 98 |
| 31) Carbon tetrachloride | 8.069 | 117 | 344242 | 38.564 | ug/L | 99 |
| 33) Benzene | 8.325 | 78 | 1008026 | 35.011 | ug/L | 100 |
| 34) Trichloroethene | 9.093 | 95 | 252029 | 33.868 | ug/L | 93 |
| 37) 1,2-Dichloropropane | 9.367 | 63 | 97932 | 12.937 | ug/L | 99 |
| 38) Bromodichloromethane | 9.642 | 83 | 611671 | 71.036 | ug/L | 98 |
| 39) cis-1,3-Dichloropropene | 10.069 | 75 | 867585 | 77.398 | ug/L | 99 |
| 40) 4-Methyl-2-pentanone | 10.209 | 43 | 426937 | 101.000 | ug/L | 99 |
| 42) Toluene | 10.386 | 91 | 893008 | 29.896 | ug/L | 98 |

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| | Compound | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 44) | trans-1,3-Dichloropropene | 10.605 | 75 | 424121 | 47.160 | ug/L | 99 |
| 45) | 1,1,2-Trichloroethane | 10.788 | 97 | 122641 | 24.915 | ug/L | 97 |
| 46) | Tetrachloroethene | 10.861 | 164 | 235747 | 44.145 | ug/L | 81 |
| 48) | 2-Hexanone | 10.965 | 43 | 362546 | 107.781 | ug/L | 99 |
| 49) | Dibromochloromethane | 11.129 | 129 | 414393 | 83.271 | ug/L | 99 |
| 50) | 1,2-Dibromoethane | 11.233 | 107 | 307085 | 66.575 | ug/L | 98 |
| 51) | Chlorobenzene | 11.654 | 112 | 278405 | 15.144 | ug/L | 98 |
| 52) | Ethylbenzene | 11.727 | 91 | 1257507 | 36.913 | ug/L | 99 |
| 53) | m,p-Xylene | 11.837 | 106 | 913865 | 72.753 | ug/L | 99 |
| 54) | o-Xylene | 12.160 | 106 | 393566 | 33.093 | ug/L | 95 |
| 55) | Styrene | 12.178 | 104 | 1064956 | 52.843 | ug/L | 100 |
| 57) | 1,1,2,2-Tetrachloroethane | 12.708 | 83 | 171551 | 29.750 | ug/L | 100 |
| 59) | Bromoform | 12.349 | 173 | 63413 | 23.361 | ug/L | 93 |
| 61) | 1,2,3-Trichloropropane | 12.769 | 75 | 222484 | 51.283 | ug/L | 99 |
| 64) | 1,3-Dichlorobenzene | 13.495 | 146 | 994440 | 71.046 | ug/L | 95 |
| 65) | 1,4-Dichlorobenzene | 13.574 | 146 | 627608 | 44.758 | ug/L | 98 |
| 67) | 1,2-Dichlorobenzene | 13.867 | 146 | 280656 | 22.978 | ug/L | 96 |
| 68) | 1,2-Dibromo-3-chloropr... | 14.476 | 75 | 33360 | 34.644 | ug/L | 94 |
| 70) | 1,2,4-trichlorobenzene | 15.129 | 180 | 139931 | 19.181 | ug/L | 97 |

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

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