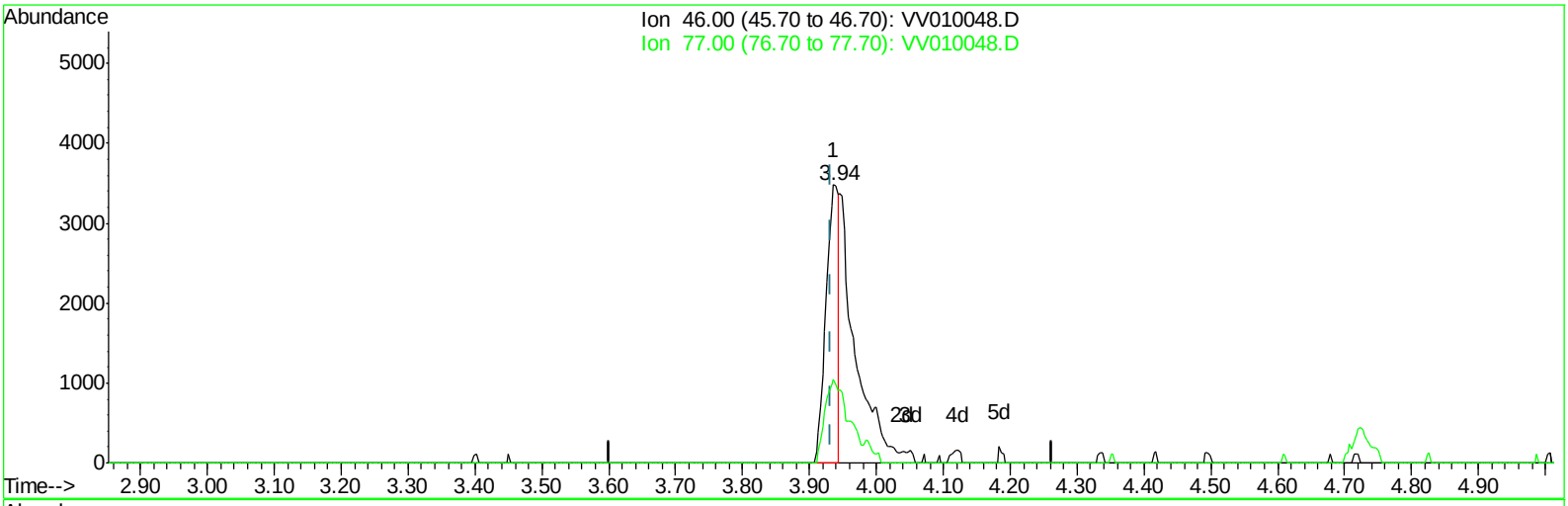
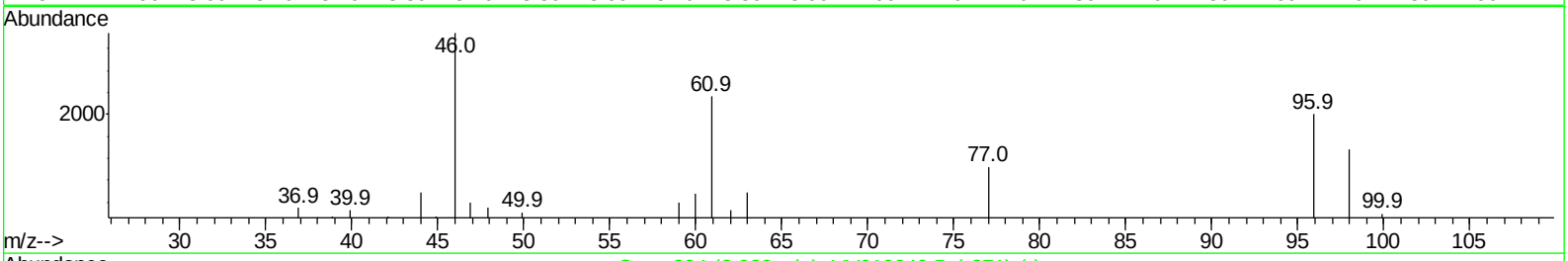
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV040119\

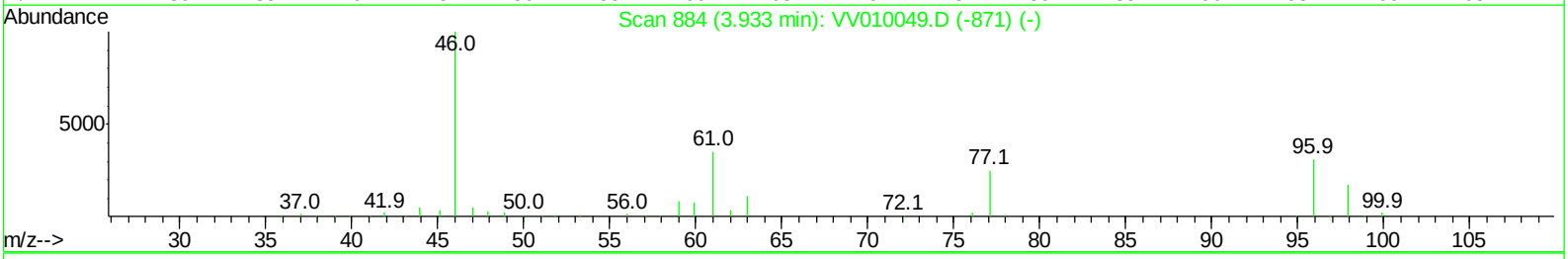
Quantitation Report (Qedit)

Data File : VV010048.D
Acq On : 01 Apr 2019 15:02
Operator : SY/MD
Sample : VSTD00562
Misc : 5.00G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 01 16:34:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040119S.M
Quant Title : VOC Analysis
QLast Update : Mon Apr 01 16:30:50 2019
Response via : Initial Calibration




TIC: VV010048.D

(20) 2-Butanone-d5 (S)

3.936min (+0.003) 4.07ug/L

response 4347

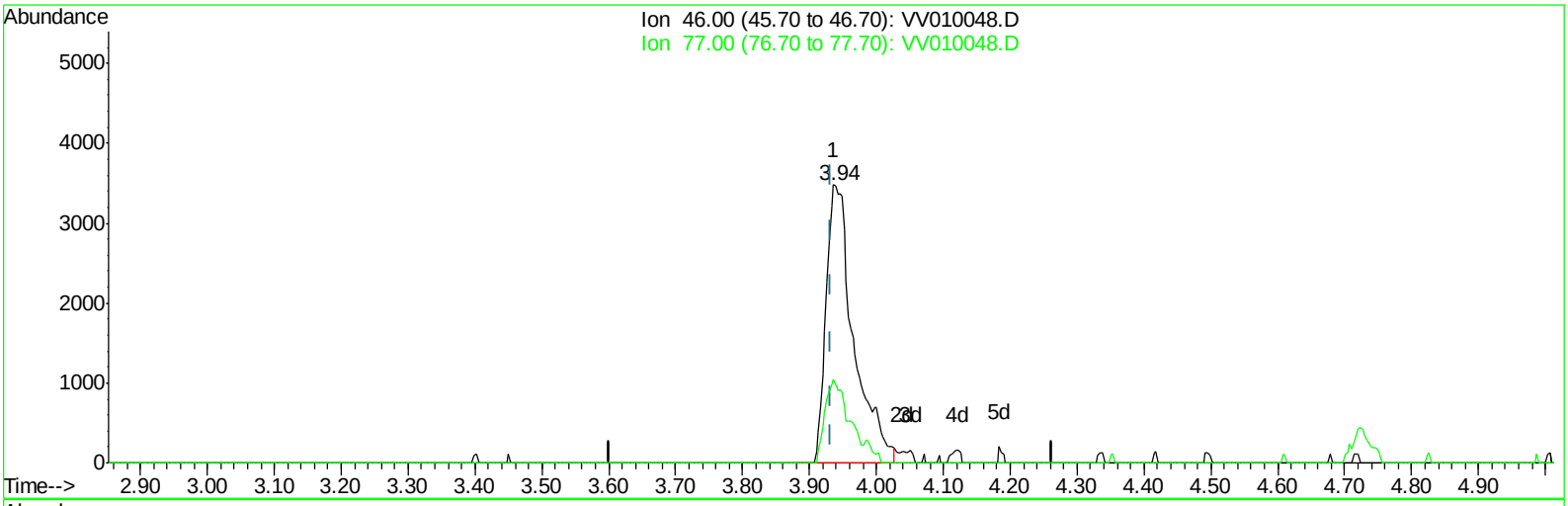
| Ion | Exp% | Act% |
|---|---|---|
| 46.00 | 100 | 100 |
| 77.00 | 25.60 | 31.68 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

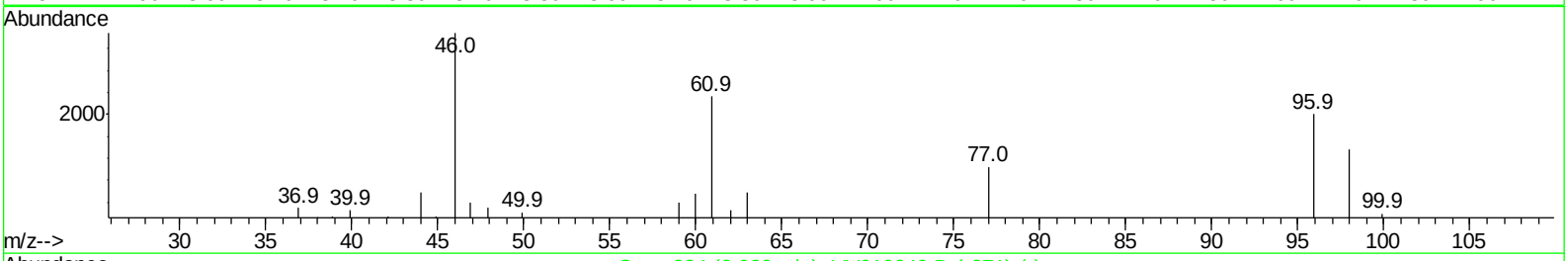
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV040119\

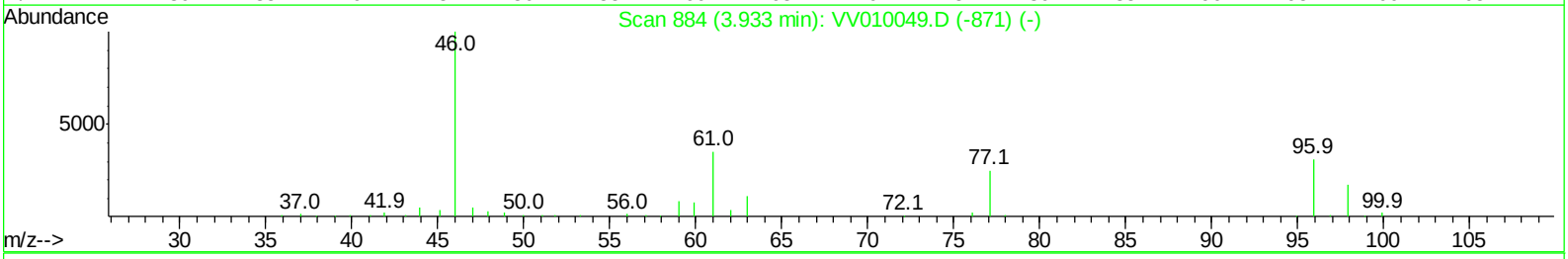
Quantitation Report (Qedit)

Data File : VV010048.D
Acq On : 01 Apr 2019 15:02
Operator : SY/MD
Sample : VSTD00562
Misc : 5.00G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 01 16:34:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040119S.M
Quant Title : VOC Analysis
QLast Update : Mon Apr 01 16:30:50 2019
Response via : Initial Calibration




TIC: VV010048.D

(20) 2-Butanone-d5 (S)

3.936min (+0.003) 9.32ug/L m

response 9953

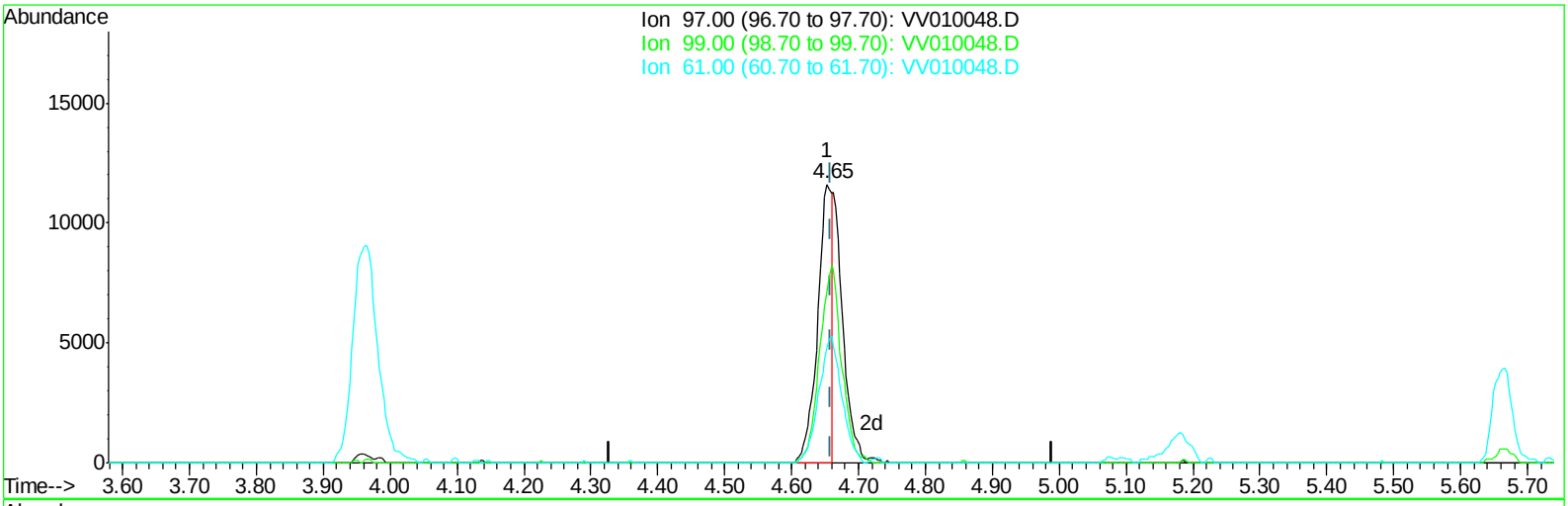
| Ion | Exp% | Act% |
|---|---|---|
| 46.00 | 100 | 100 |
| 77.00 | 25.60 | 13.84# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

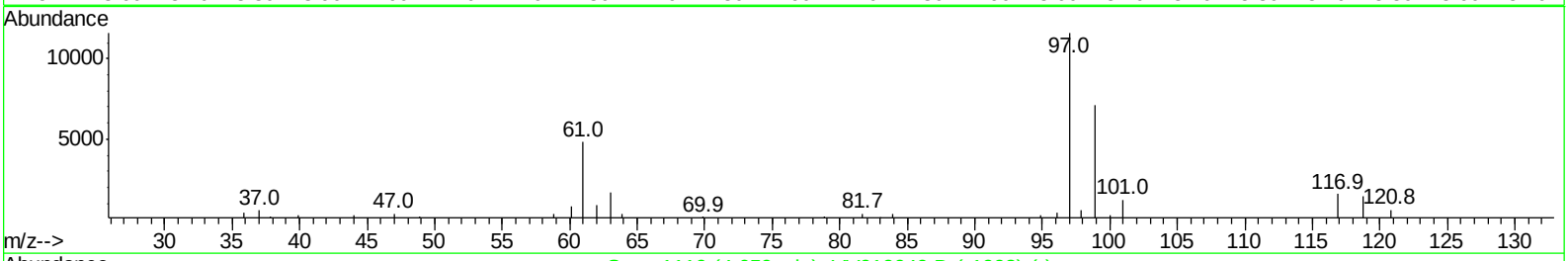
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV040119\

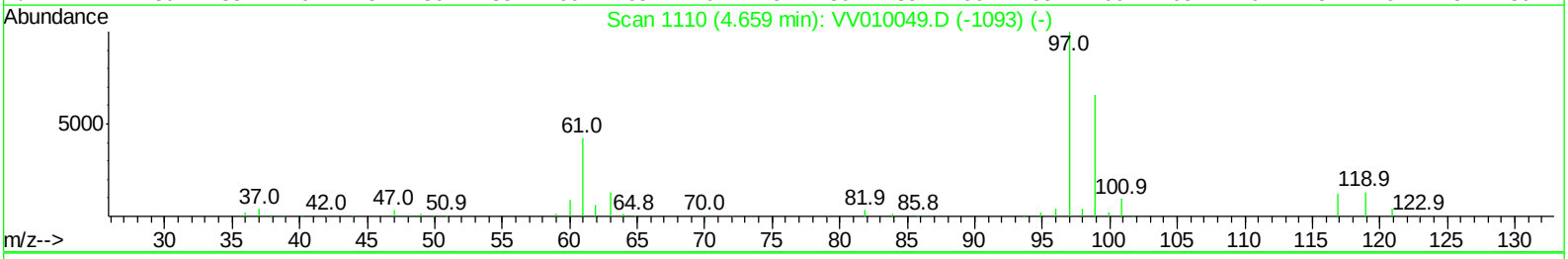
Quantitation Report (Qedit)

Data File : VV010048.D
Acq On : 01 Apr 2019 15:02
Operator : SY/MD
Sample : VSTD00562
Misc : 5.00G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 01 16:34:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040119S.M
Quant Title : VOC Analysis
QLast Update : Mon Apr 01 16:30:50 2019
Response via : Initial Calibration




TIC: VV010048.D

(31) 1,1,1-Trichloroethane (T)

4.653min (-0.006) 3.02ug/L

response 16710

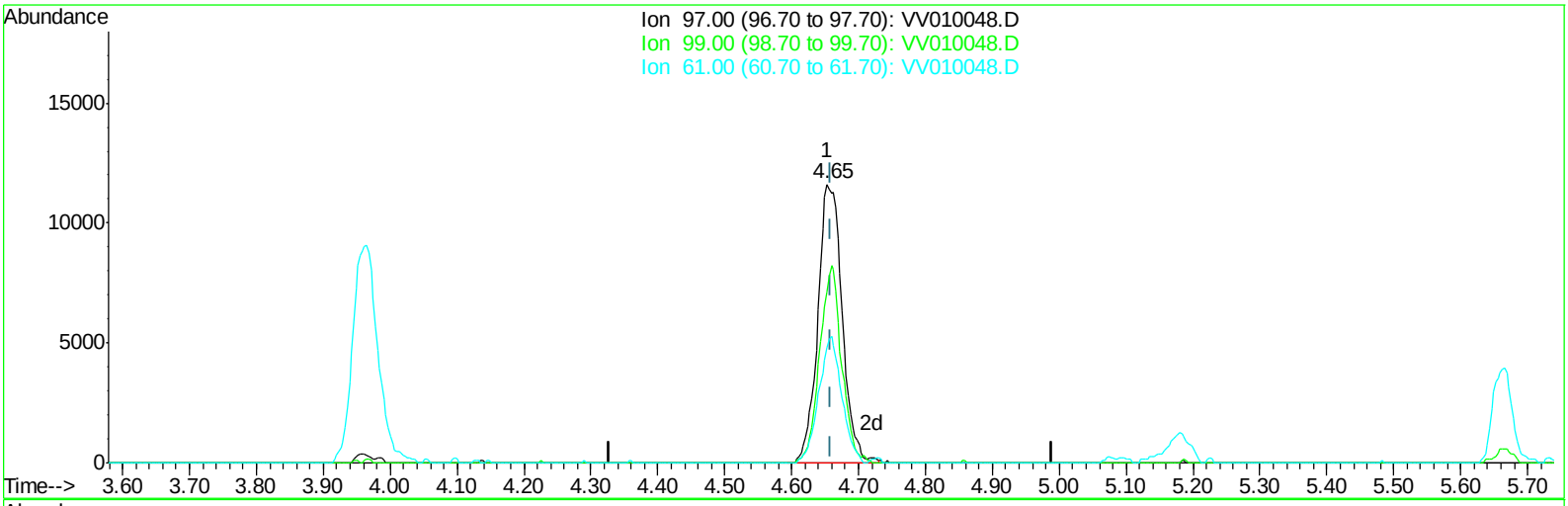
| Ion | Exp% | Act% |
|---|---|---|
| 97.00 | 100 | 100 |
| 99.00 | 64.20 | 111.14# |
| 61.00 | 42.70 | 75.21# |
| 0.00 | 0.00 | 0.00 |

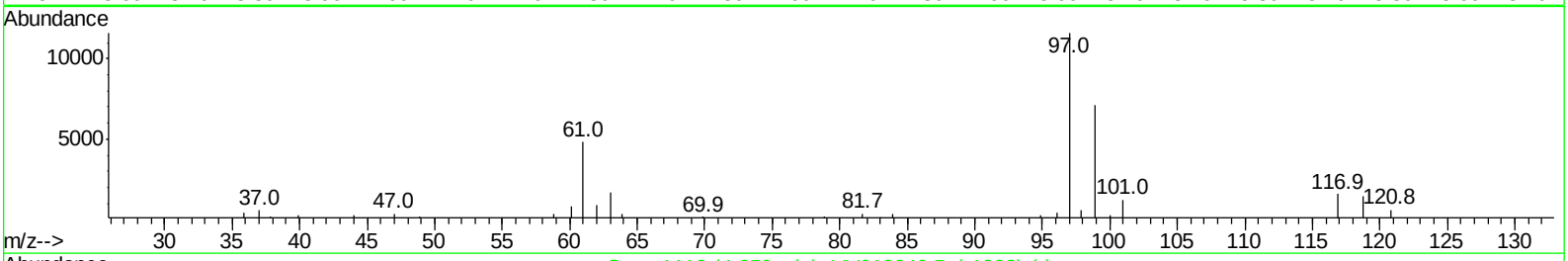
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV040119\

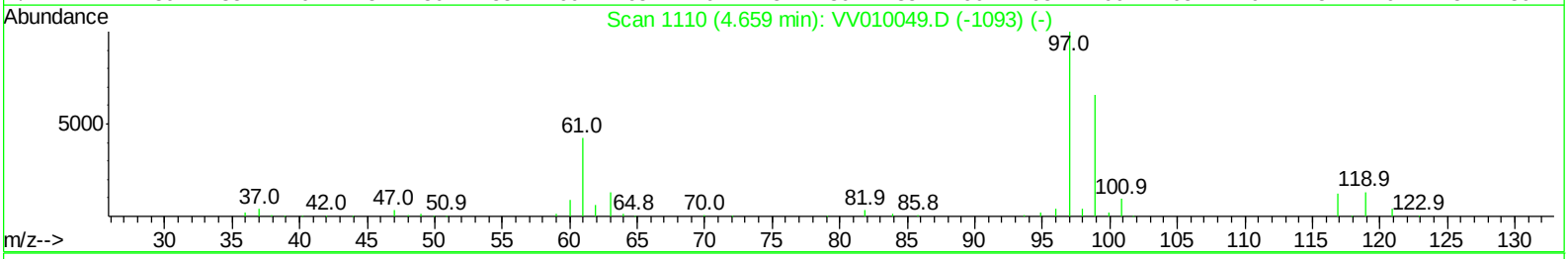
Quantitation Report (Qedit)

Data File : VV010048.D
Acq On : 01 Apr 2019 15:02
Operator : SY/MD
Sample : VSTD00562
Misc : 5.00G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 01 16:34:54 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040119S.M
Quant Title : VOC Analysis
QLast Update : Mon Apr 01 16:30:50 2019
Response via : Initial Calibration




TIC: VV010048.D

(31) 1,1,1-Trichloroethane (T)

4.653min (-0.006) 5.29ug/L m

response 29205

| Ion | Exp% | Act% |
|---|---|---|
| 97.00 | 100 | 100 |
| 99.00 | 64.20 | 63.59 |
| 61.00 | 42.70 | 43.03 |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV040119\

Quantitation Report (QT Reviewed)

Data File : VV010048.D
Acq On : 01 Apr 2019 15:02
Operator : SY/MD
Sample : VSTD00562
Misc : 5.00G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 01 16:40:36 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040119S.M
Quant Title : VOC Analysis
QLast Update : Mon Apr 01 16:30:50 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | | Dev(Min) |
|---|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 5.66 | 114 | 282477 | 25.00 | ug/L | | 0.00 |
| 28) Chlorobenzene-d5 | 8.89 | 117 | 276073 | 25.00 | ug/L | | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152 | 132203 | 25.00 | ug/L | | 0.00 |
| **System Monitoring Compounds** | | | | | | | |
| 4) Vinyl Chloride-d3 | 1.32 | 65 | 20587 | 3.59 | ug/L | | 0.00 |
| 7) Chloroethane-d5 | 1.57 | 69 | 18717 | 3.02 | ug/L | | 0.00 |
| 10) 1,1-Dichloroethene-d2 | 2.13 | 63 | 51790 | 3.30 | ug/L | | 0.00 |
| 20) 2-Butanone-d5 | 3.94 | 46 | 9953m | 9.32 | ug/L | | 0.00 |
| 24) Chloroform-d | 4.40 | 84 | 27940 | 3.88 | ug/L | | 0.00 |
| 26) 1,2-Dichloroethane-d4 | 5.08 | 65 | 20773 | 4.80 | ug/L | | 0.00 |
| 29) Benzene-d6 | 5.10 | 84 | 72967 | 5.03 | ug/L | | 0.00 |
| 33) 1,2-Dichloropropane-d6 | 6.12 | 67 | 20823 | 4.91 | ug/L | | 0.00 |
| 37) Toluene-d8 | 7.36 | 98 | 66141 | 4.82 | ug/L | | 0.00 |
| 38) trans-1,3-Dichloropropene- | 7.66 | 79 | 7446 | 4.29 | ug/L | | 0.00 |
| 39) 2-Hexanone-d5 | 8.13 | 63 | 6815 | 8.61 | ug/L | | 0.00 |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26 | 84 | 18589 | 4.43 | ug/L | | 0.00 |
| 61) 1,2-Dichlorobenzene-d4 | 11.67 | 152 | 25968 | 5.16 | ug/L | | 0.00 |
| **Target Compounds** | | | | | | | Qvalue |
| 2) Dichlorodifluoromethane | 1.14 | 85 | 24540 | 5.611 | ug/L | | 100 |
| 3) Chloromethane | 1.25 | 50 | 21463 | 4.247 | ug/L | | 97 |
| 5) Vinyl chloride | 1.32 | 62 | 23017 | 3.503 | ug/L | | 98 |
| 6) Bromomethane | 1.51 | 94 | 20830 | 3.178 | ug/L | | 97 |
| 8) Chloroethane | 1.59 | 64 | 15480 | 2.734 | ug/L | | 94 |
| 9) Trichlorofluoromethane | 1.76 | 101 | 48889 | 3.488 | ug/L | | 97 |
| 11) 1,1,2-Trichloro-1,2,2-trif | 2.14 | 101 | 25870 | 3.176 | ug/L | | 98 |
| 12) 1,1-Dichloroethene | 2.14 | 96 | 22745 | 3.291 | ug/L | | 94 |
| 13) Acetone | 2.19 | 43 | 10207 | 6.311 | ug/L | | 95 |
| 14) Carbon disulfide | 2.31 | 76 | 44865 | 4.799 | ug/L | | 99 |
| 15) Methyl Acetate | 2.46 | 43 | 9220 | 4.867 | ug/L | | 97 |
| 16) Methylene chloride | 2.54 | 84 | 31219 | 6.711 | ug/L | | 92 |
| 17) Methyl tert-butyl Ether | 2.80 | 73 | 42145 | 4.674 | ug/L | | 97 |
| 18) trans-1,2-Dichloroethene | 2.79 | 96 | 19464 | 5.259 | ug/L | | 95 |
| 19) 1,1-Dichloroethane | 3.23 | 63 | 31417 | 4.641 | ug/L | | 99 |
| 21) 2-Butanone | 4.02 | 43 | 9991 | 6.937 | ug/L | | 87 |
| 22) cis-1,2-Dichloroethene | 3.96 | 96 | 19111 | 4.676 | ug/L | | 91 |
| 23) Bromochloromethane | 4.30 | 128 | 9448 | 5.007 | ug/L | | 99 |
| 25) Chloroform | 4.43 | 83 | 42275 | 5.649 | ug/L | | 97 |
| 27) 1,2-Dichloroethane | 5.18 | 62 | 22385 | 4.222 | ug/L | # | 89 |
| 30) Cyclohexane | 4.73 | 56 | 25501 | 4.581 | ug/L | | 94 |
| 31) 1,1,1-Trichloroethane | 4.65 | 97 | 29205m | 5.286 | ug/L | | |
| 32) Carbon tetrachloride | 4.87 | 117 | 26891 | 5.600 | ug/L | | 97 |
| 34) Benzene | 5.15 | 78 | 72013 | 4.750 | ug/L | | 100 |
| 35) Trichloroethene | 5.96 | 95 | 20556 | 5.140 | ug/L | | 98 |
| 36) Methylcyclohexane | 6.18 | 83 | 32932 | 5.249 | ug/L | | 99 |
| 40) 1,2-Dichloropropane | 6.22 | 63 | 17860 | 4.715 | ug/L | # | 95 |
| 41) Bromodichloromethane | 6.56 | 83 | 21140 | 4.487 | ug/L | # | 95 |
| 42) cis-1,3-Dichloropropene | 7.07 | 75 | 22860 | 4.139 | ug/L | | 96 |
| 43) 4-Methyl-2-pentanone | 7.27 | 43 | 23723 | 8.775 | ug/L | | 98 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV040119\

Quantitation Report (QT Reviewed)

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Operator : SY/MD
Sample : VSTD00562
Misc : 5.00G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 01 16:40:36 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040119S.M
Quant Title : VOC Analysis
QLast Update : Mon Apr 01 16:30:50 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | Dev(Min) |
|---|---|---|---|---|---|
| 44) Toluene | 7.43 | 91 | 80494 | 4.816 ug/L | 98 |
| 45) trans-1,3-Dichloropropene | 7.70 | 75 | 18658 | 4.127 ug/L | 86 |
| 46) 1,1,2-Trichloroethane | 7.88 | 97 | 15108 | 4.822 ug/L | 95 |
| 47) Tetrachloroethene | 8.02 | 164 | 17086 | 5.415 ug/L | 97 |
| 49) 2-Hexanone | 8.18 | 43 | 13971 | 7.647 ug/L | 94 |
| 50) Dibromochloromethane | 8.29 | 129 | 16243 | 5.000 ug/L | 95 |
| 51) 1,2-Dibromoethane | 8.40 | 107 | 14783 | 4.859 ug/L # | 94 |
| 52) Chlorobenzene | 8.93 | 112 | 53138 | 4.776 ug/L | 94 |
| 53) Ethylbenzene | 9.06 | 91 | 85476 | 4.636 ug/L | 98 |
| 54) m,p-Xylene | 9.18 | 106 | 33690 | 4.653 ug/L | 97 |
| 55) o-xylene | 9.59 | 106 | 31475 | 4.478 ug/L | 100 |
| 56) Styrene | 9.60 | 104 | 50500 | 4.183 ug/L | 97 |
| 57) Isopropylbenzene | 9.97 | 105 | 84255 | 4.621 ug/L | 99 |
| 58) 1,1,2,2-Tetrachloroethane | 10.29 | 83 | 18625 | 4.410 ug/L | 98 |
| 59) 1,2,3-Trichloropropane | 10.32 | 75 | 14250 | 4.675 ug/L | 99 |
| 62) Bromoform | 9.78 | 173 | 7990 | 4.699 ug/L # | 97 |
| 63) 1,3-Dichlorobenzene | 11.23 | 146 | 40204 | 4.917 ug/L | 97 |
| 64) 1,4-Dichlorobenzene | 11.32 | 146 | 43102 | 4.850 ug/L | 93 |
| 65) 1,2-Dichlorobenzene | 11.69 | 146 | 39489 | 4.893 ug/L | 99 |
| 66) 1,2-Dibromo-3-chloropropan | 12.48 | 75 | 2074 | 4.112 ug/L | 93 |
| 67) 1,3,5-Trichlorobenzene | 12.69 | 180 | 30334 | 5.224 ug/L | 98 |
| 68) 1,2,4-trichlorobenzene | 13.31 | 180 | 17537 | 4.094 ug/L | 97 |
| 69) Naphthalene | 13.55 | 128 | 20000 | 2.809 ug/L | 96 |
| 70) 1,2,3-Trichlorobenzene | 13.80 | 180 | 16242 | 3.988 ug/L | 99 |

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\VV040119\

Quantitation Report (QT Reviewed)

Data File : VV010048.D
Acq On : 01 Apr 2019 15:02
Operator : SY/MD
Sample : VSTD00562
Misc : 5.00G/10mL/MSVOA_V/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Apr 01 16:40:36 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOM2VLM040119S.M
Quant Title : VOC Analysis
QLast Update : Mon Apr 01 16:30:50 2019
Response via : Initial Calibration