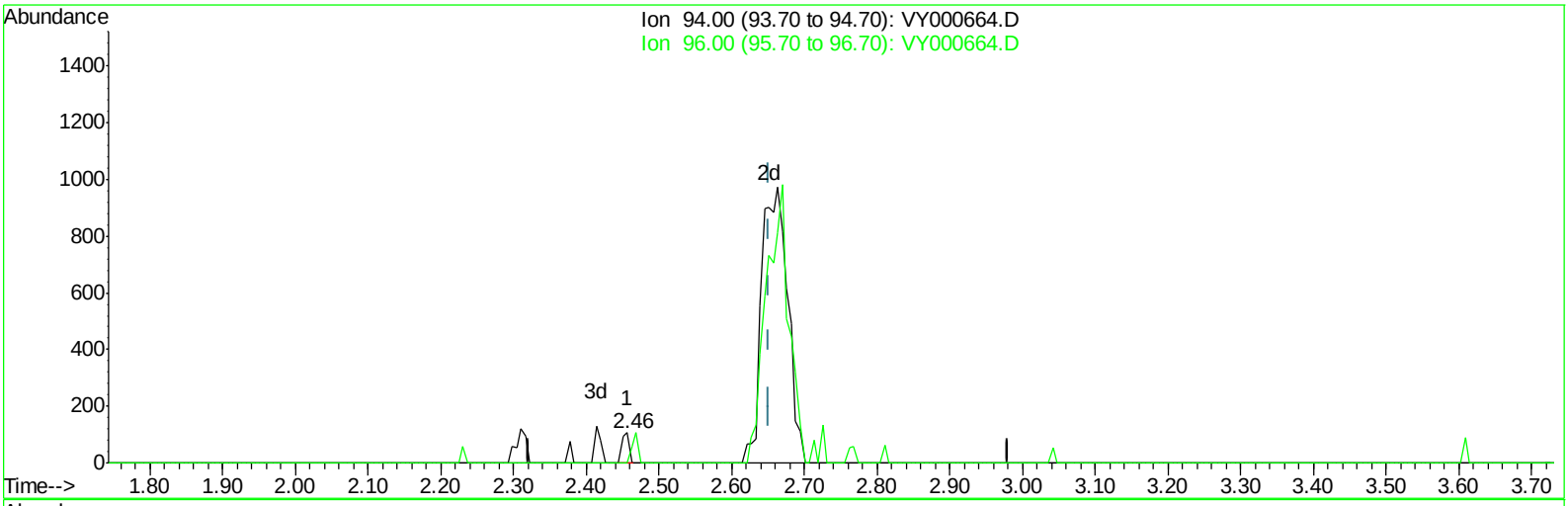
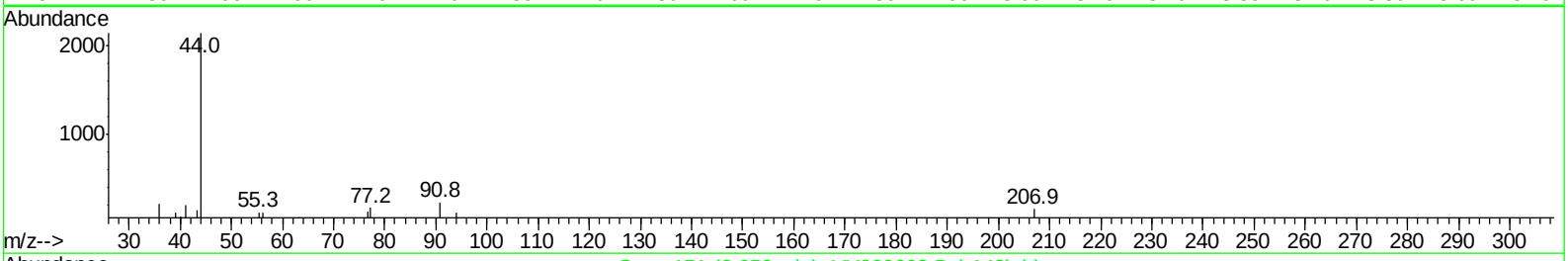
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\vy111319\

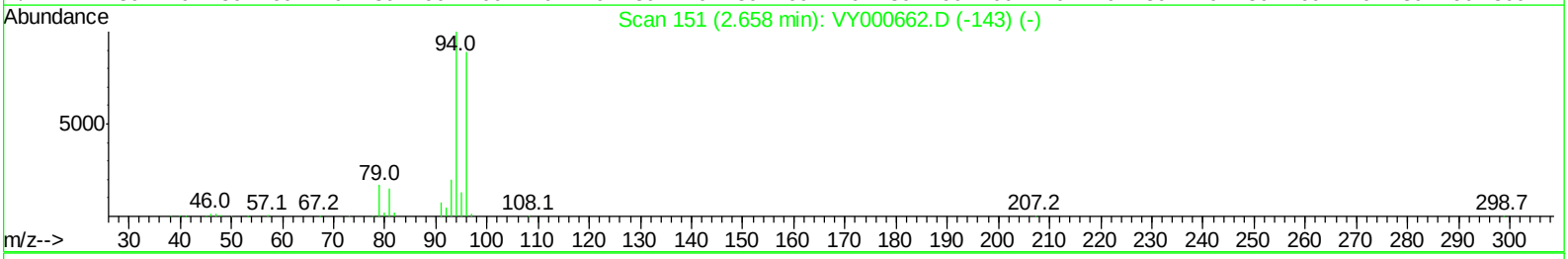
Quantitation Report (Qedit)

Data File : VY000664.D
Acq On : 13 Nov 2019 11:55
Operator : SY/MD
Sample : MDL01
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 13 13:32:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM111219S.M
Quant Title : VOC Analysis
QLast Update : Wed Nov 13 13:29:46 2019
Response via : Initial Calibration




TIC: VY000664.D

(6) Bromomethane (T)

2.457min (-0.195) 0.02ug/L

response 72

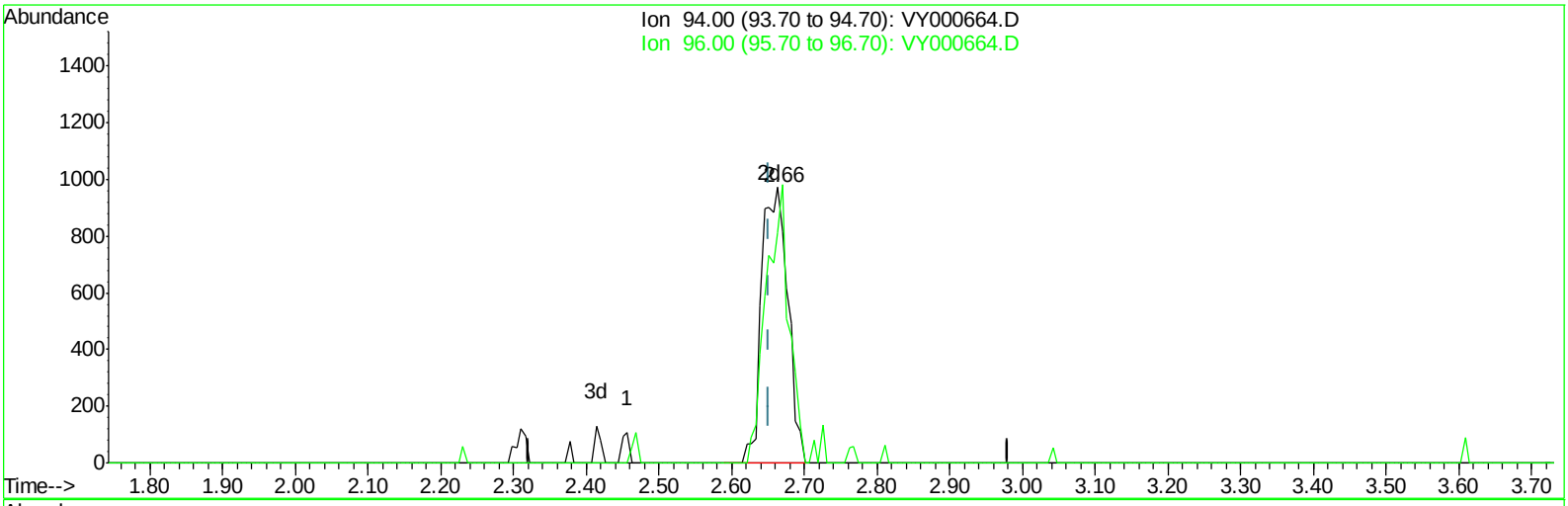
| Ion | Exp% | Act% |
|---|---|---|
| 94.00 | 100 | 100 |
| 96.00 | 97.70 | 84.72 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

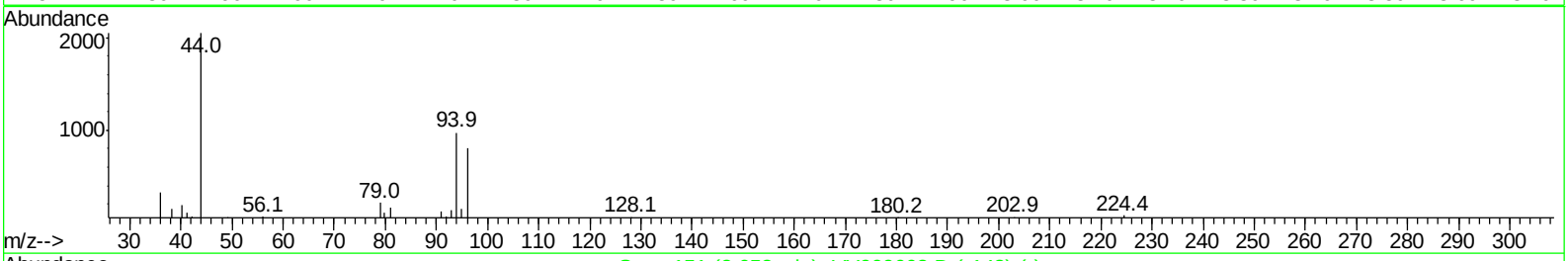
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\vy111319\

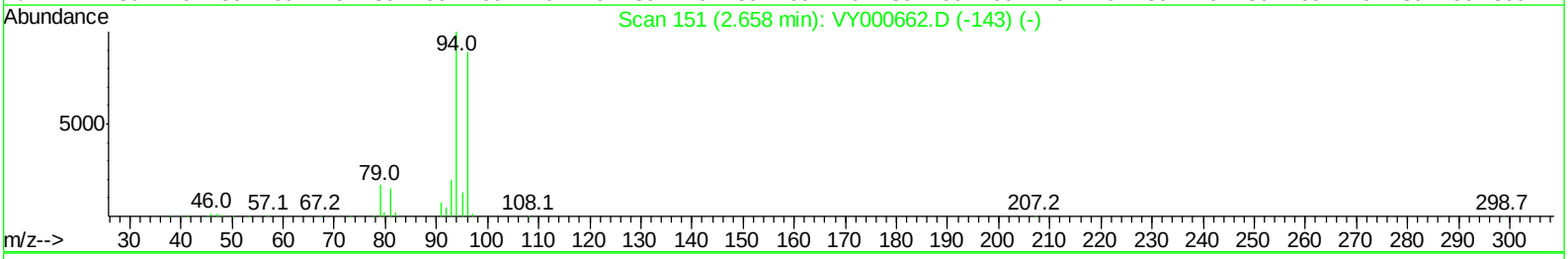
Quantitation Report (Qedit)

Data File : VY000664.D
Acq On : 13 Nov 2019 11:55
Operator : SY/MD
Sample : MDL01
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 13 13:32:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM111219S.M
Quant Title : VOC Analysis
QLast Update : Wed Nov 13 13:29:46 2019
Response via : Initial Calibration




TIC: VY000664.D

(6) Bromomethane (T)

2.664min (+0.013) 0.77ug/L m

response 2417

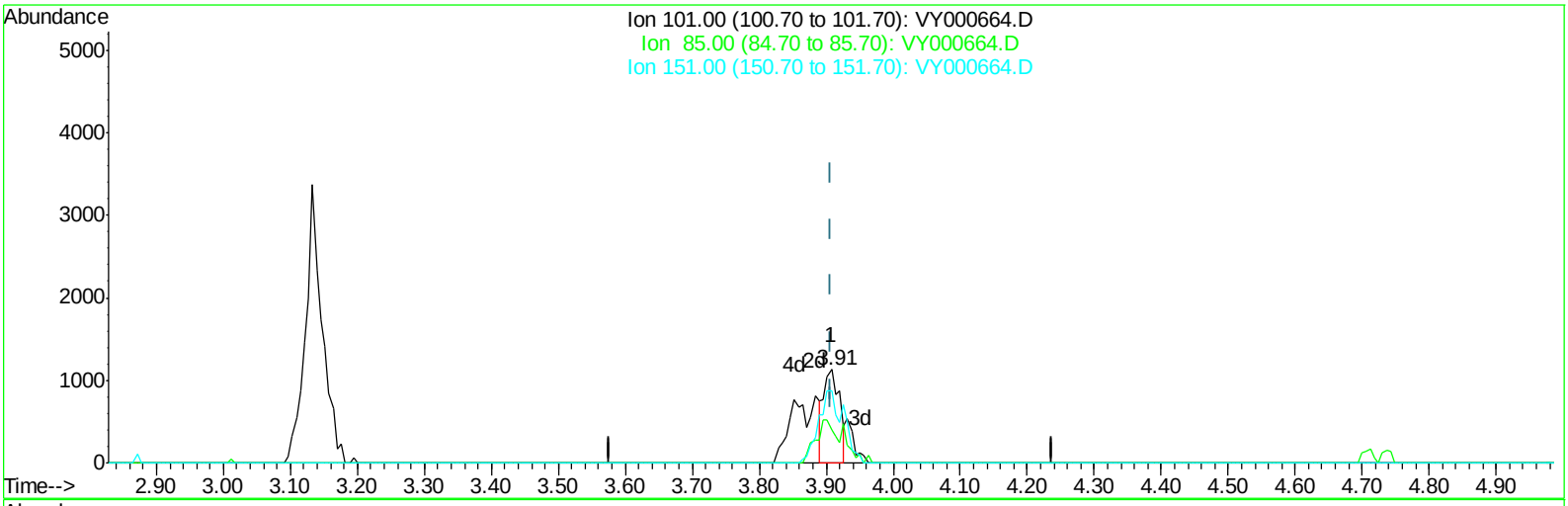
| Ion | Exp% | Act% |
|---|---|---|
| 94.00 | 100 | 100 |
| 96.00 | 97.70 | 2.52# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

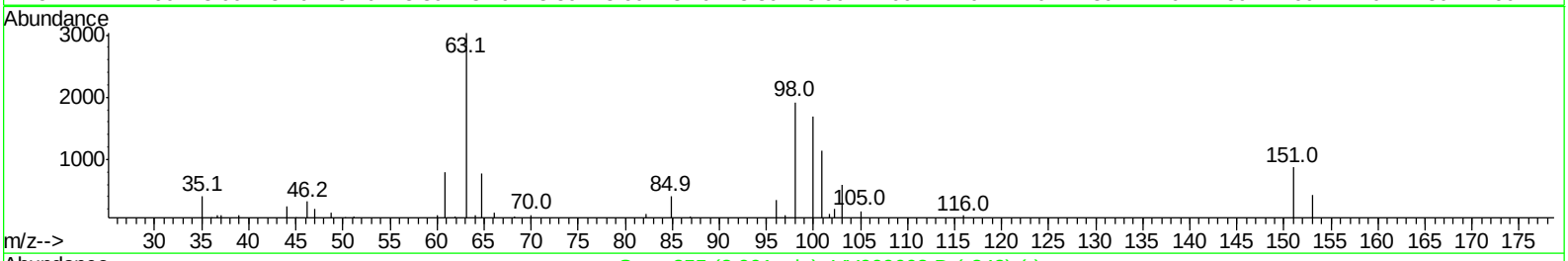
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\vy111319\

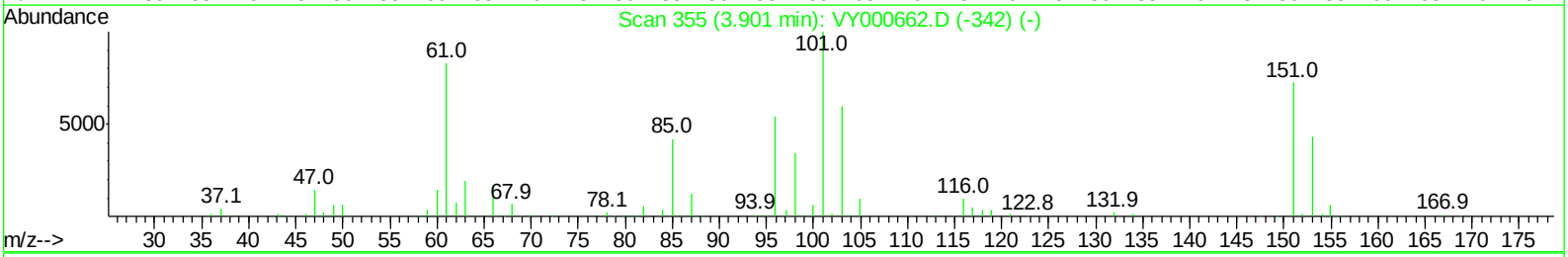
Quantitation Report (Qedit)

Data File : VY000664.D
Acq On : 13 Nov 2019 11:55
Operator : SY/MD
Sample : MDL01
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 13 13:32:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM111219S.M
Quant Title : VOC Analysis
QLast Update : Wed Nov 13 13:29:46 2019
Response via : Initial Calibration




TIC: VY000664.D

(11) 1,1,2-Trichloro-1,2,2-trifluoroethane (T)

3.908min (+0.000) 0.40ug/L

response 1860

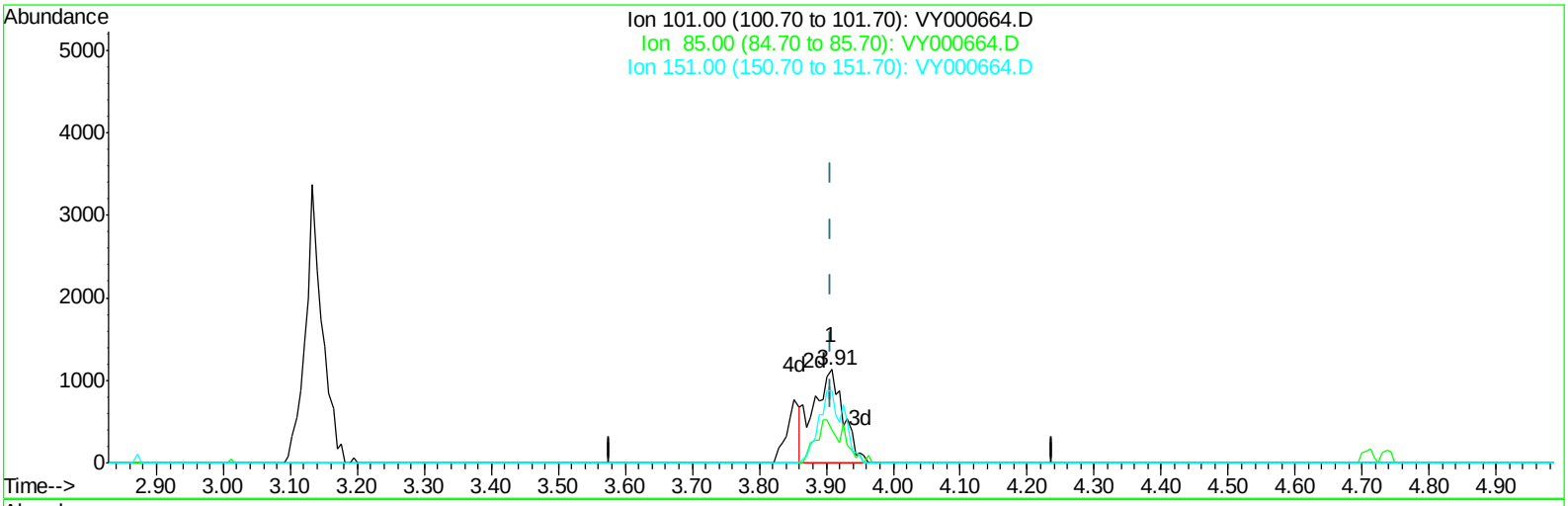
| Ion | Exp% | Act% |
|---|---|---|
| 101.00 | 100 | 100 |
| 85.00 | 44.10 | 22.10# |
| 151.00 | 77.40 | 91.83 |
| 0.00 | 0.00 | 0.00 |

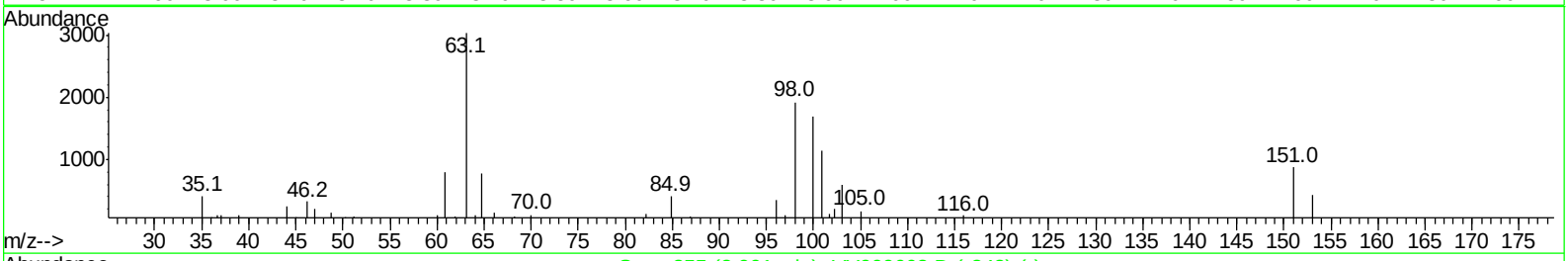
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\vy111319\

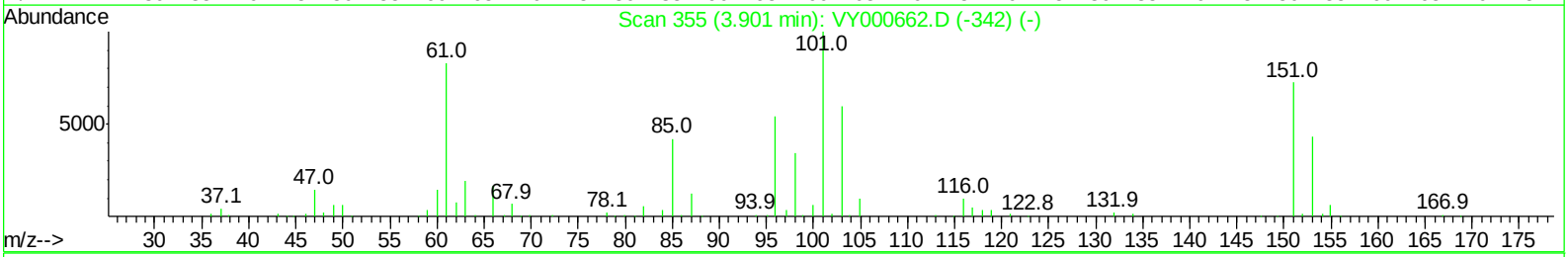
Quantitation Report (Qedit)

Data File : VY000664.D
Acq On : 13 Nov 2019 11:55
Operator : SY/MD
Sample : MDL01
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 13 13:32:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM111219S.M
Quant Title : VOC Analysis
QLast Update : Wed Nov 13 13:29:46 2019
Response via : Initial Calibration




TIC: VY000664.D

(11) 1,1,2-Trichloro-1,2,2-trifluoroethane (T)

3.908min (+0.000) 0.75ug/L m

response 3500

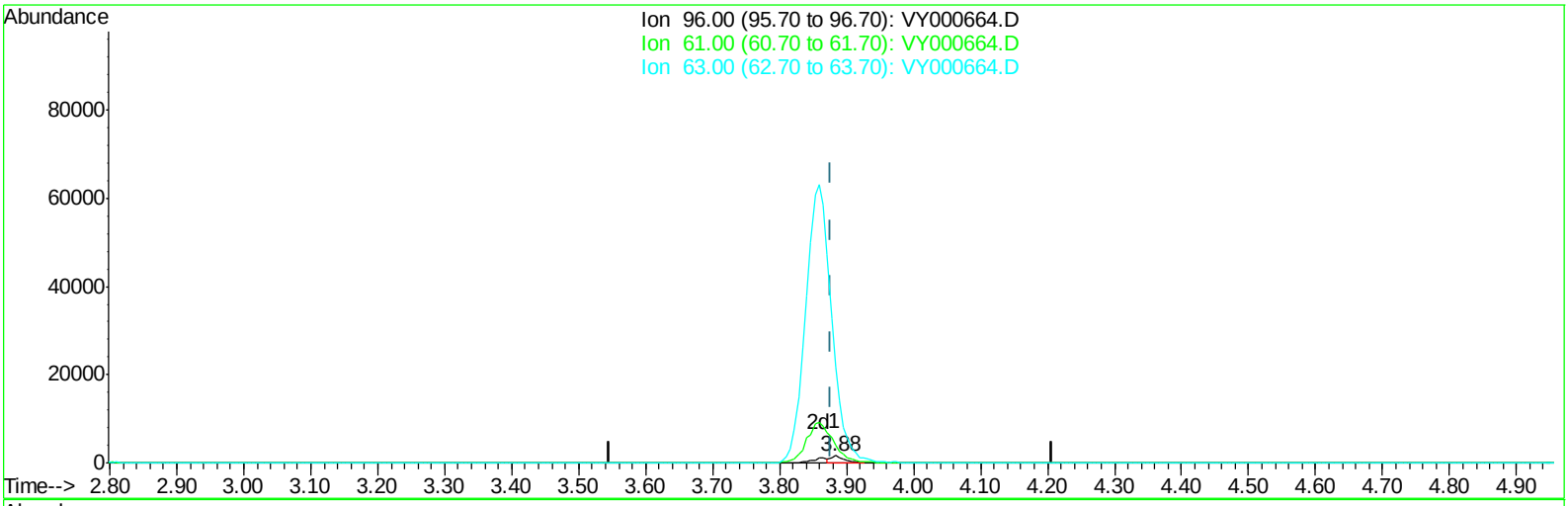
| Ion | Exp% | Act% |
|---|---|---|
| 101.00 | 100 | 100 |
| 85.00 | 44.10 | 11.74# |
| 151.00 | 77.40 | 48.80# |
| 0.00 | 0.00 | 0.00 |

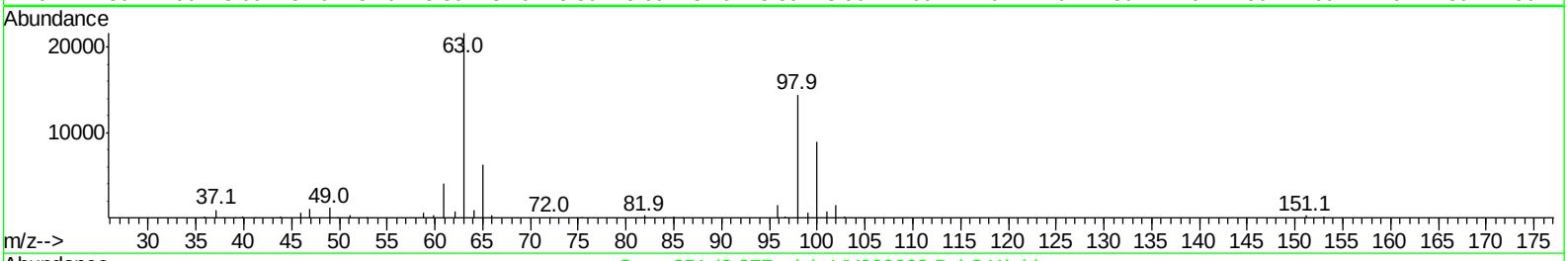
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\vy111319\

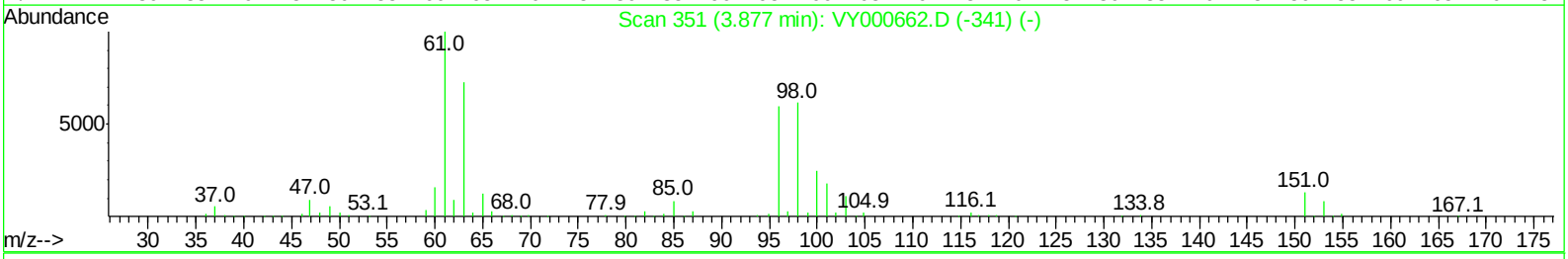
Quantitation Report (Qedit)

Data File : VY000664.D
Acq On : 13 Nov 2019 11:55
Operator : SY/MD
Sample : MDL01
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 13 13:32:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM111219S.M
Quant Title : VOC Analysis
QLast Update : Wed Nov 13 13:29:46 2019
Response via : Initial Calibration




TIC: VY000664.D

(12) 1,1-Dichloroethene (T)

3.883min (+0.006) 0.50ug/L

response 2256

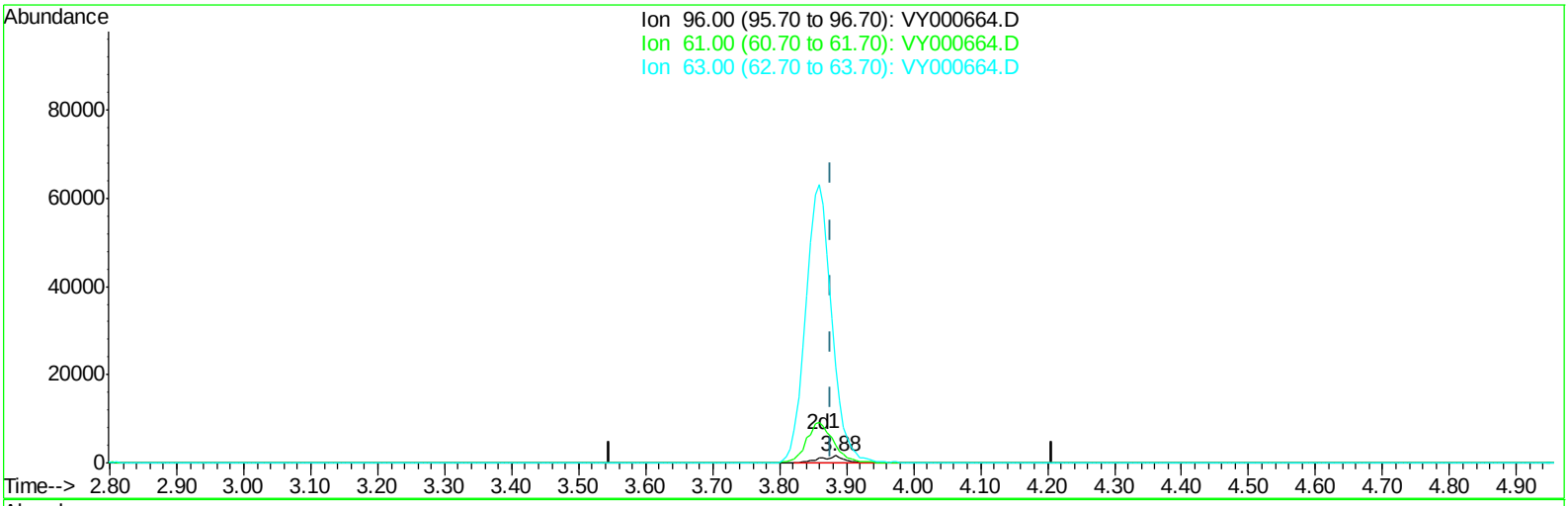
| Ion | Exp% | Act% |
|---|---|---|
| 96.00 | 100 | 100 |
| 61.00 | 162.20 | 221.63# |
| 63.00 | 134.70 | 1175.50# |
| 0.00 | 0.00 | 0.00 |

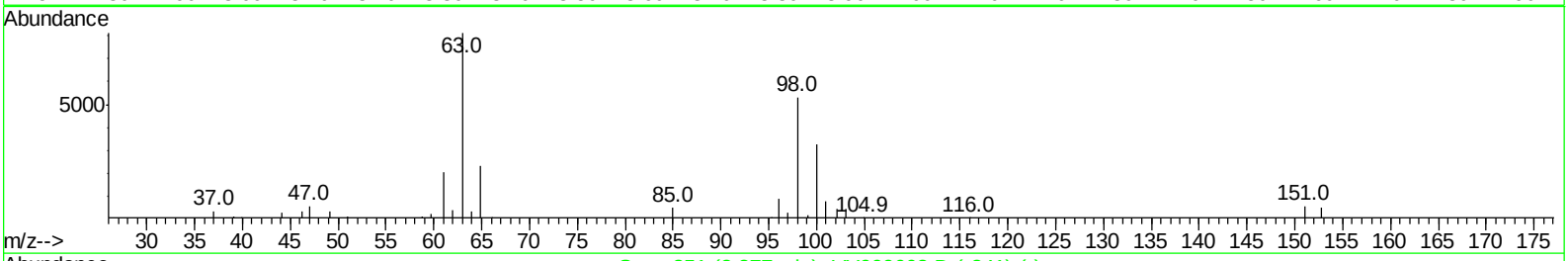
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\vy111319\

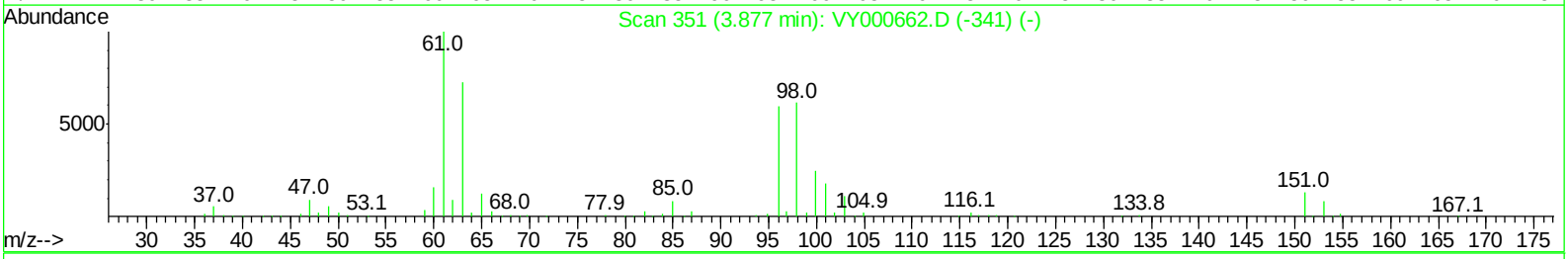
Quantitation Report (Qedit)

Data File : VY000664.D
Acq On : 13 Nov 2019 11:55
Operator : SY/MD
Sample : MDL01
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 13 13:32:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM111219S.M
Quant Title : VOC Analysis
QLast Update : Wed Nov 13 13:29:46 2019
Response via : Initial Calibration




TIC: VY000664.D

(12) 1,1-Dichloroethene (T)

3.883min (+0.006) 0.91ug/L m

response 4147

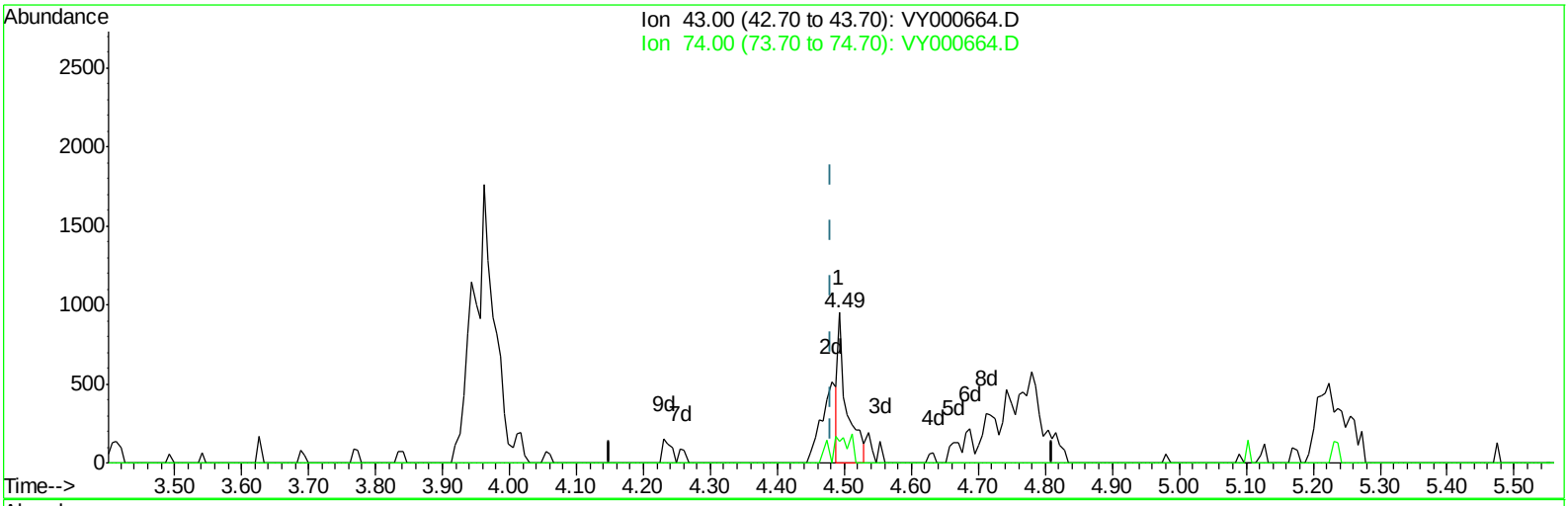
| Ion | Exp% | Act% |
|---|---|---|
| 96.00 | 100 | 100 |
| 61.00 | 162.20 | 255.24# |
| 63.00 | 134.70 | 1353.81# |
| 0.00 | 0.00 | 0.00 |

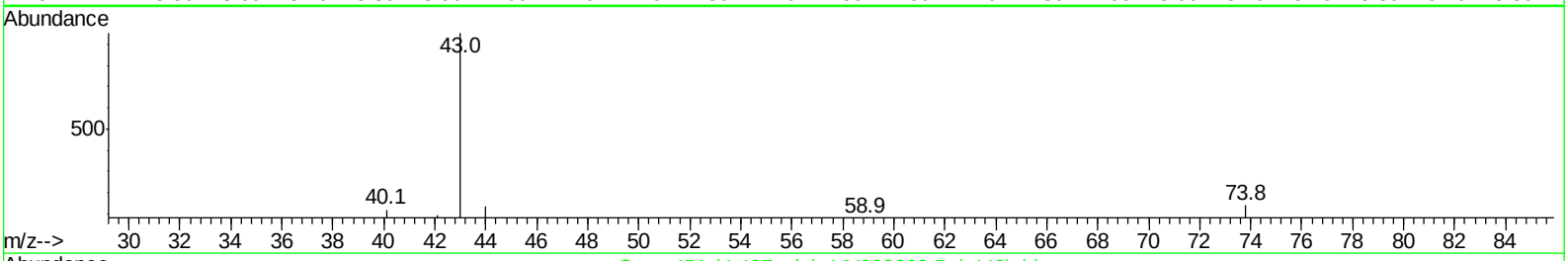
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\vy111319\

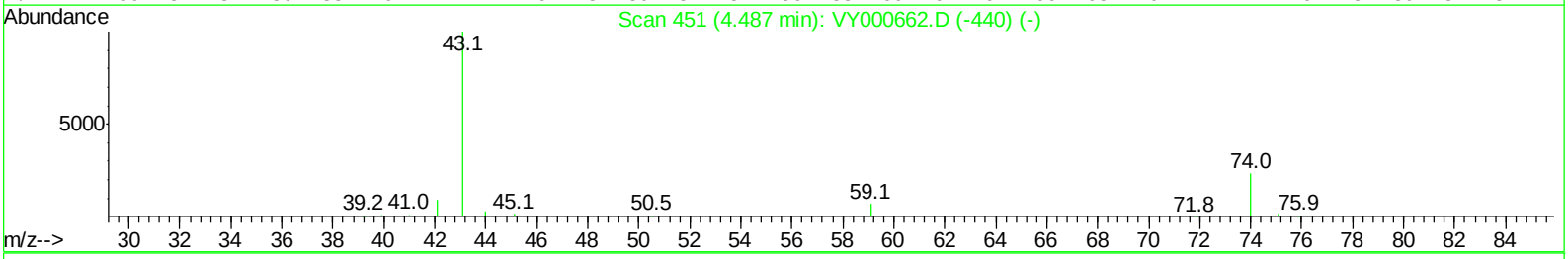
Quantitation Report (Qedit)

Data File : VY000664.D
Acq On : 13 Nov 2019 11:55
Operator : SY/MD
Sample : MDL01
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 13 13:32:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM111219S.M
Quant Title : VOC Analysis
QLast Update : Wed Nov 13 13:29:46 2019
Response via : Initial Calibration




TIC: VY000664.D

(15) Methyl Acetate (T)

4.493min (+0.013) 0.26ug/L

response 897

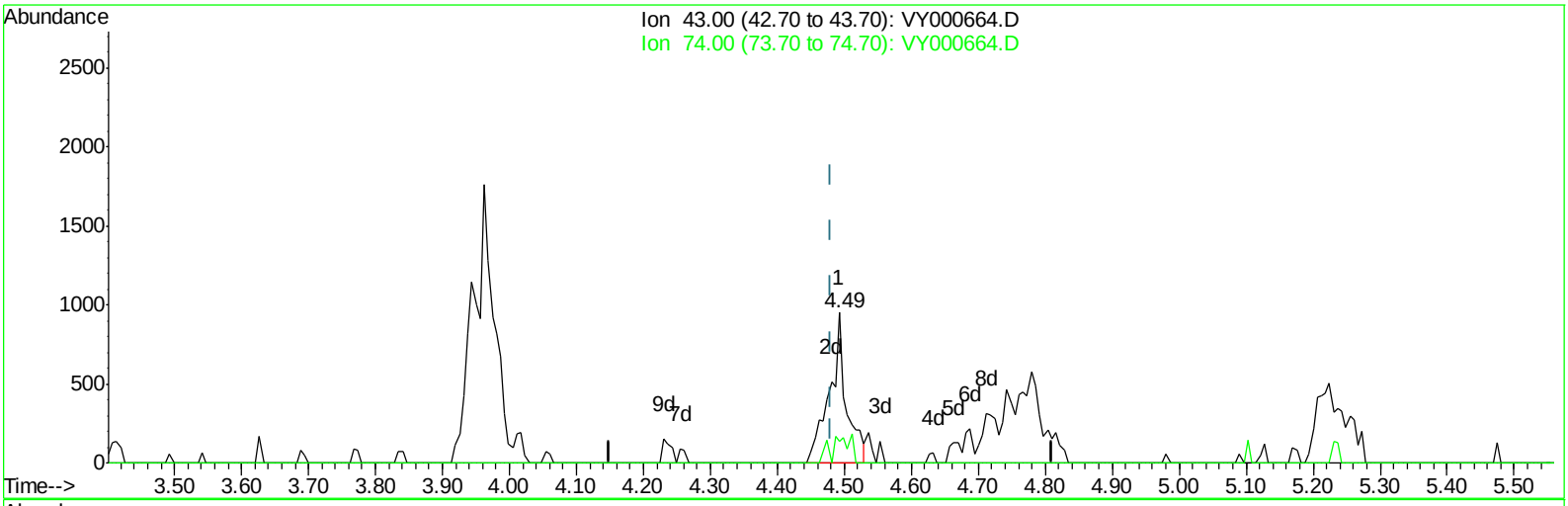
| Ion | Exp% | Act% |
|---|---|---|
| 43.00 | 100 | 100 |
| 74.00 | 22.60 | 22.74 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

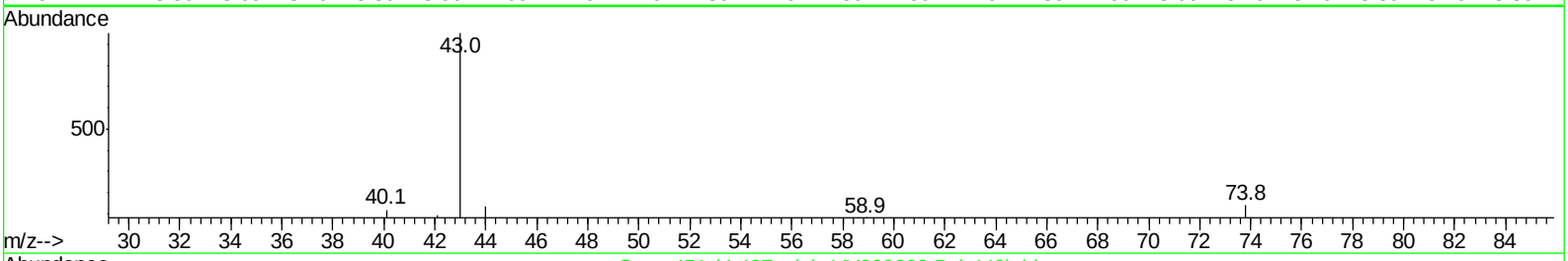
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\vy111319\

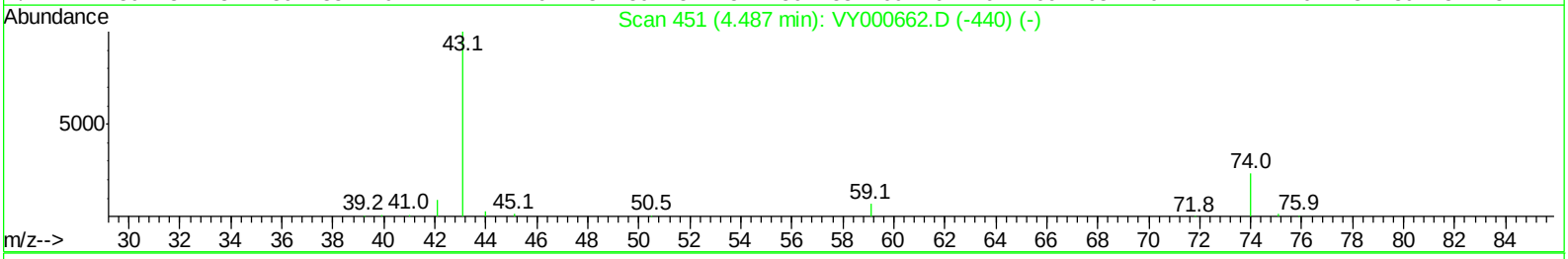
Quantitation Report (Qedit)

Data File : VY000664.D
Acq On : 13 Nov 2019 11:55
Operator : SY/MD
Sample : MDL01
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 13 13:32:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM111219S.M
Quant Title : VOC Analysis
QLast Update : Wed Nov 13 13:29:46 2019
Response via : Initial Calibration




TIC: VY000664.D

(15) Methyl Acetate (T)

4.493min (+0.013) 0.49ug/L m

response 1687

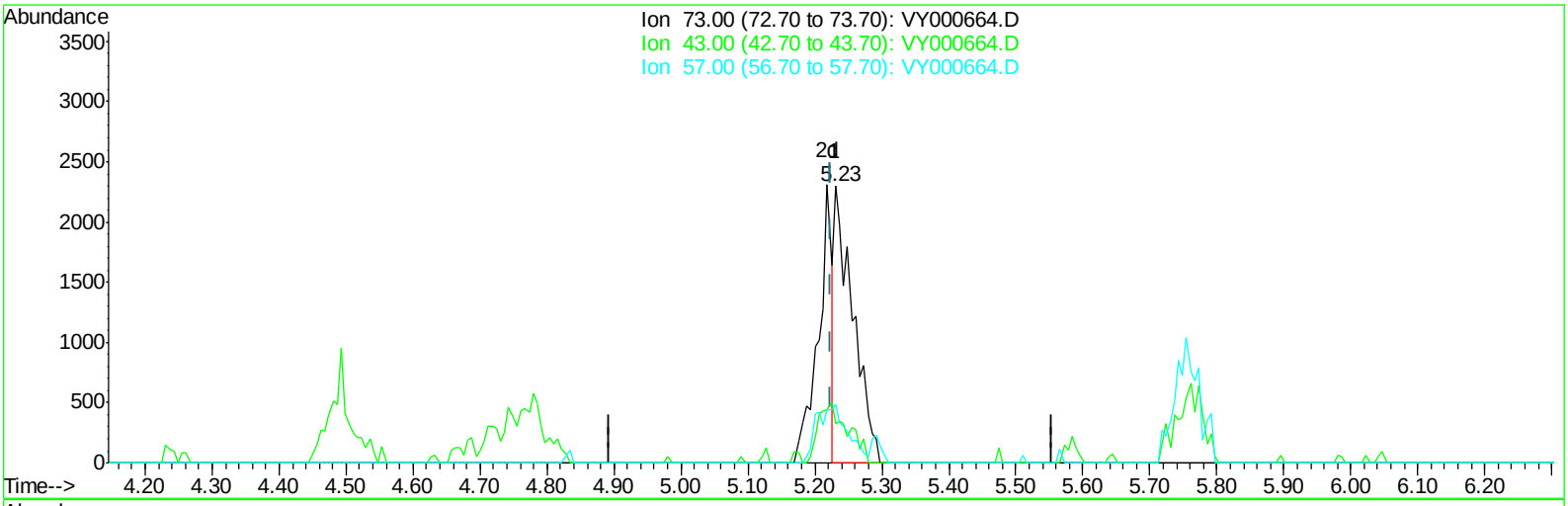
| Ion | Exp% | Act% |
|---|---|---|
| 43.00 | 100 | 100 |
| 74.00 | 22.60 | 12.09# |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

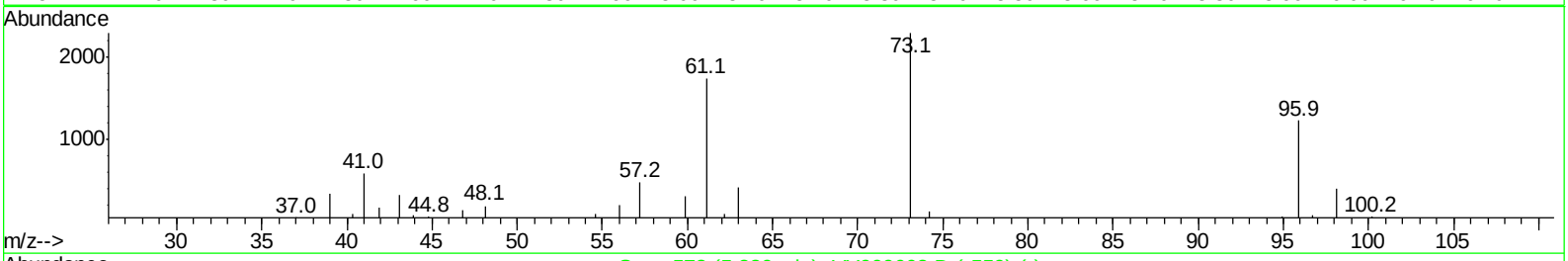
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\vy111319\

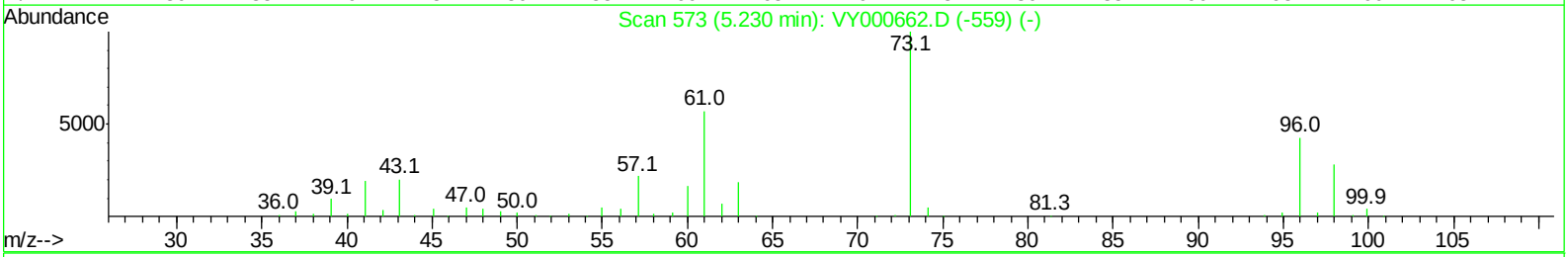
Quantitation Report (Qedit)

Data File : VY000664.D
Acq On : 13 Nov 2019 11:55
Operator : SY/MD
Sample : MDL01
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 13 13:32:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM111219S.M
Quant Title : VOC Analysis
QLast Update : Wed Nov 13 13:29:46 2019
Response via : Initial Calibration




TIC: VY000664.D

(17) Methyl tert-butyl Ether (T)

5.230min (+0.006) 0.33ug/L

response 4496

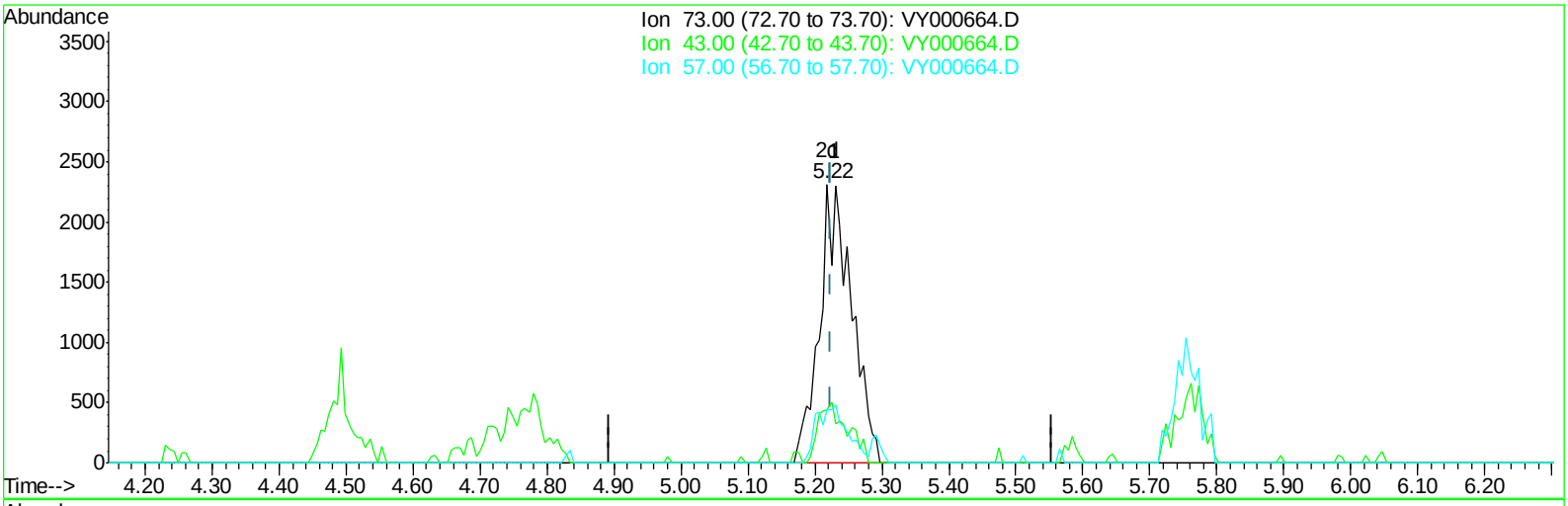
| Ion | Exp% | Act% |
|---|---|---|
| 73.00 | 100 | 100 |
| 43.00 | 19.20 | 10.32# |
| 57.00 | 21.90 | 23.84 |
| 0.00 | 0.00 | 0.00 |

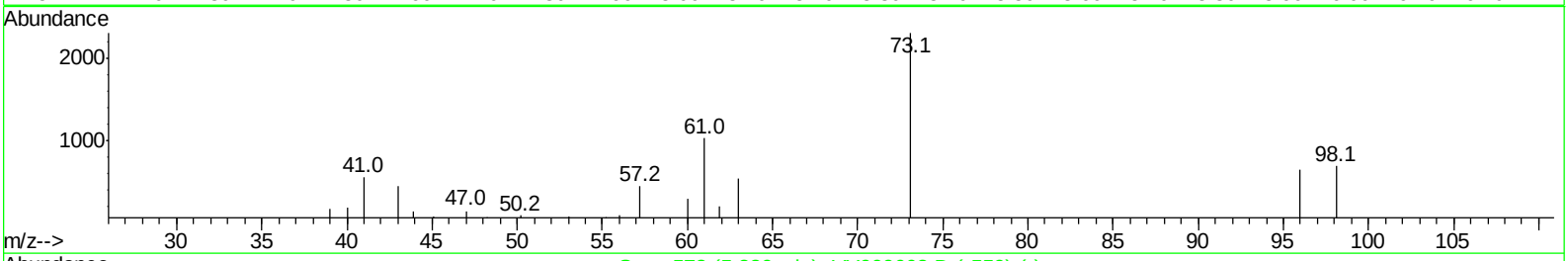
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\vy111319\

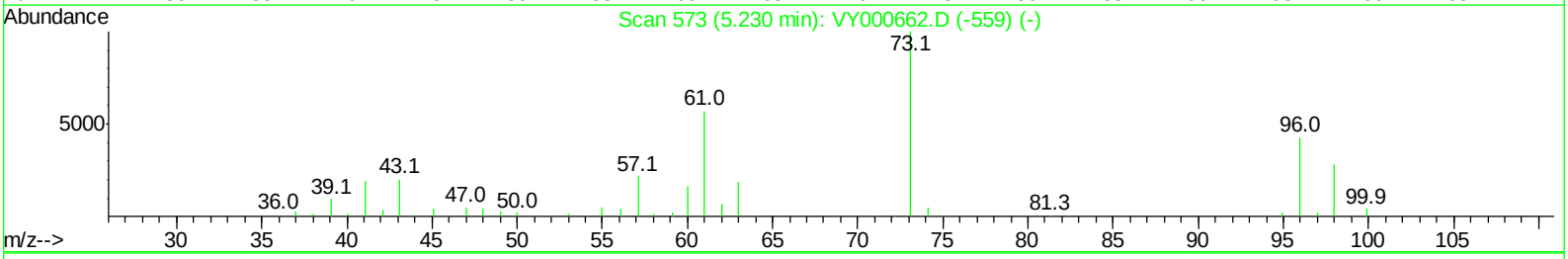
Quantitation Report (Qedit)

Data File : VY000664.D
Acq On : 13 Nov 2019 11:55
Operator : SY/MD
Sample : MDL01
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 13 13:32:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM111219S.M
Quant Title : VOC Analysis
QLast Update : Wed Nov 13 13:29:46 2019
Response via : Initial Calibration




TIC: VY000664.D

(17) Methyl tert-butyl Ether (T)

5.218min (-0.006) 0.56ug/L m

response 7664

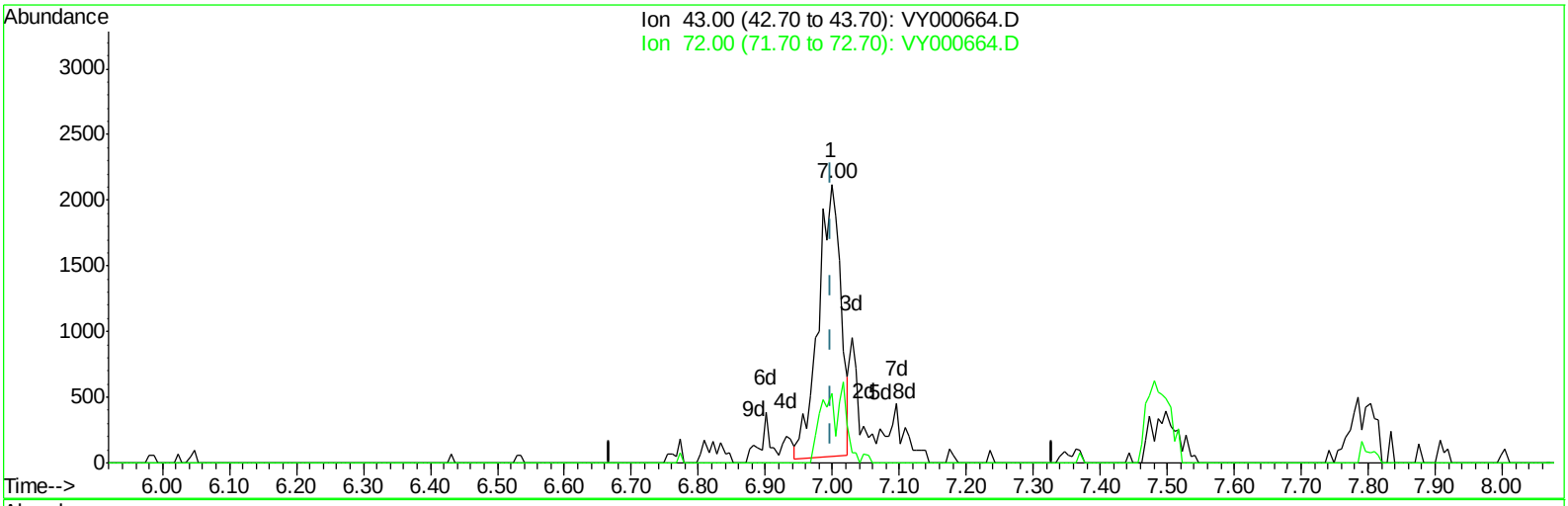
| Ion | Exp% | Act% |
|---|---|---|
| 73.00 | 100 | 100 |
| 43.00 | 19.20 | 6.05# |
| 57.00 | 21.90 | 13.99# |
| 0.00 | 0.00 | 0.00 |

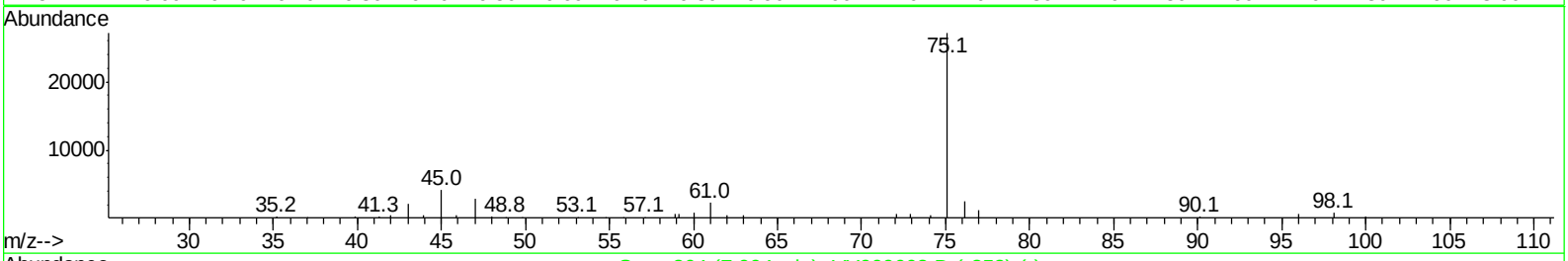
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\vy111319\

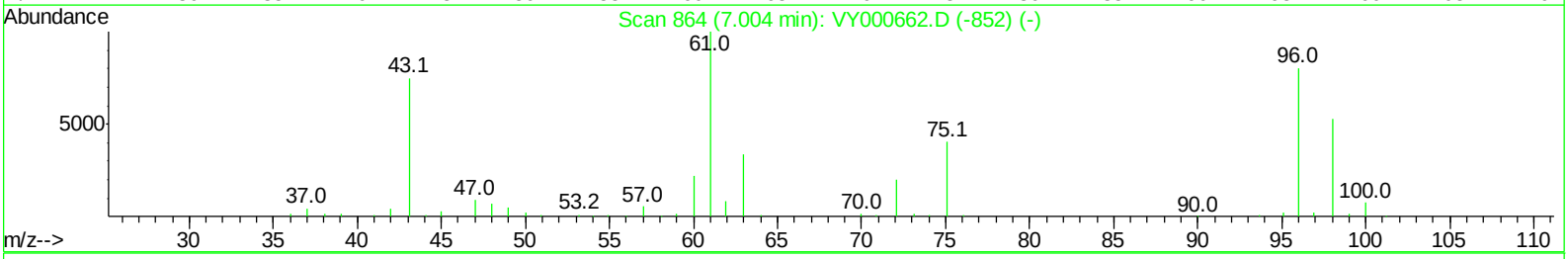
Quantitation Report (Qedit)

Data File : VY000664.D
Acq On : 13 Nov 2019 11:55
Operator : SY/MD
Sample : MDL01
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 13 13:32:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM111219S.M
Quant Title : VOC Analysis
QLast Update : Wed Nov 13 13:29:46 2019
Response via : Initial Calibration




TIC: VY000664.D

(21) 2-Butanone

6.998min (+0.000) 1.87ug/L

response 4908

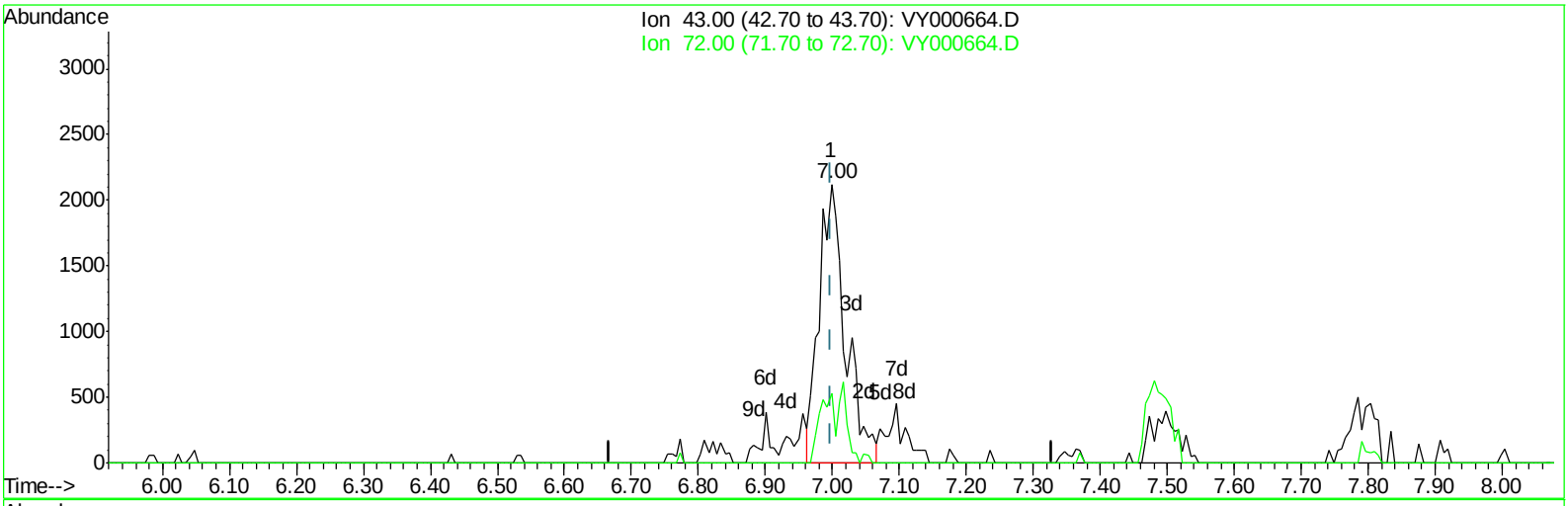
| Ion | Exp% | Act% |
|---|---|---|
| 43.00 | 100 | 100 |
| 72.00 | 25.20 | 16.67 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

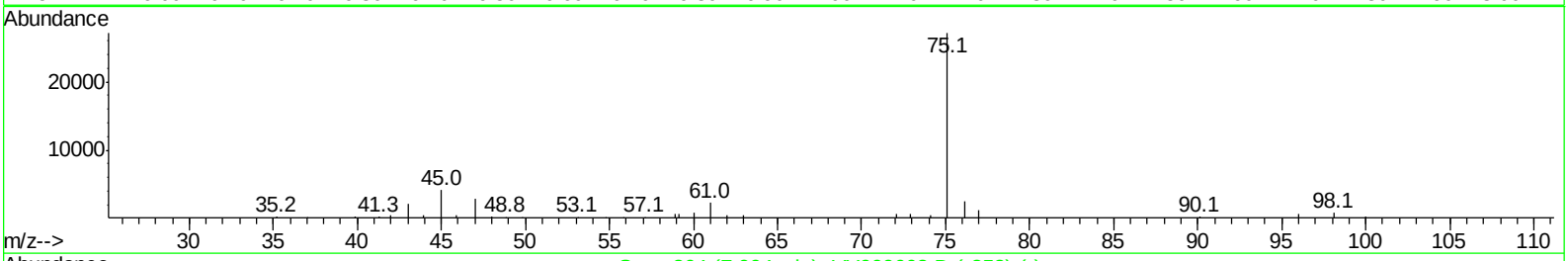
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\vy111319\

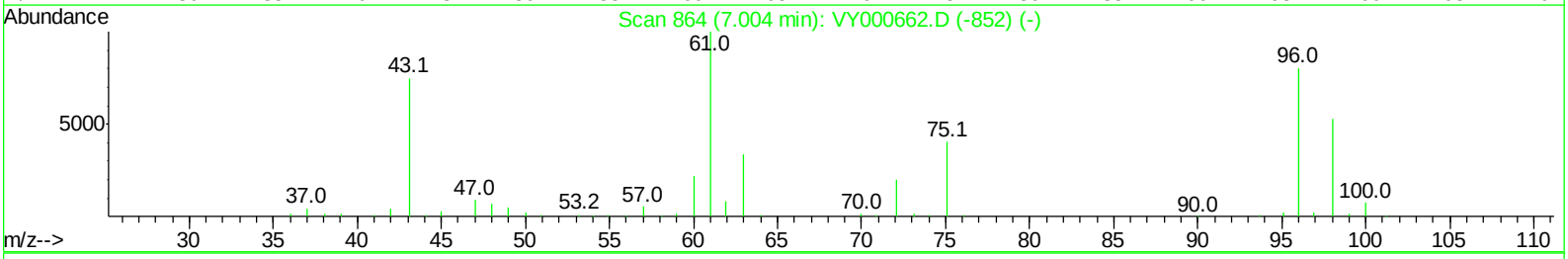
Quantitation Report (Qedit)

Data File : VY000664.D
Acq On : 13 Nov 2019 11:55
Operator : SY/MD
Sample : MDL01
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 13 13:32:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM111219S.M
Quant Title : VOC Analysis
QLast Update : Wed Nov 13 13:29:46 2019
Response via : Initial Calibration




TIC: VY000664.D

(21) 2-Butanone

6.998min (+0.000) 2.21ug/L m

response 5804

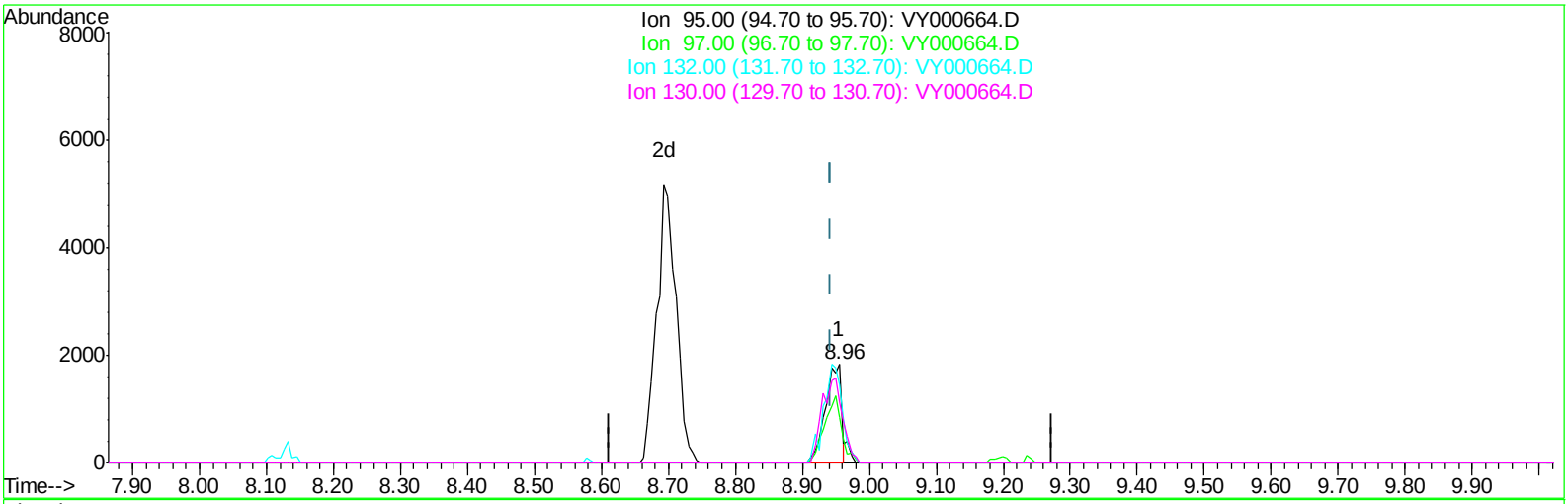
| Ion | Exp% | Act% |
|---|---|---|
| 43.00 | 100 | 100 |
| 72.00 | 25.20 | 14.09 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

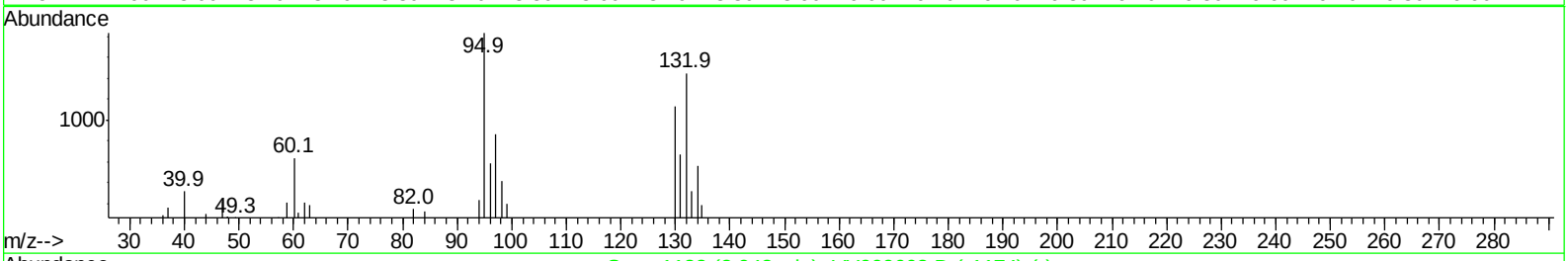
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\vy111319\

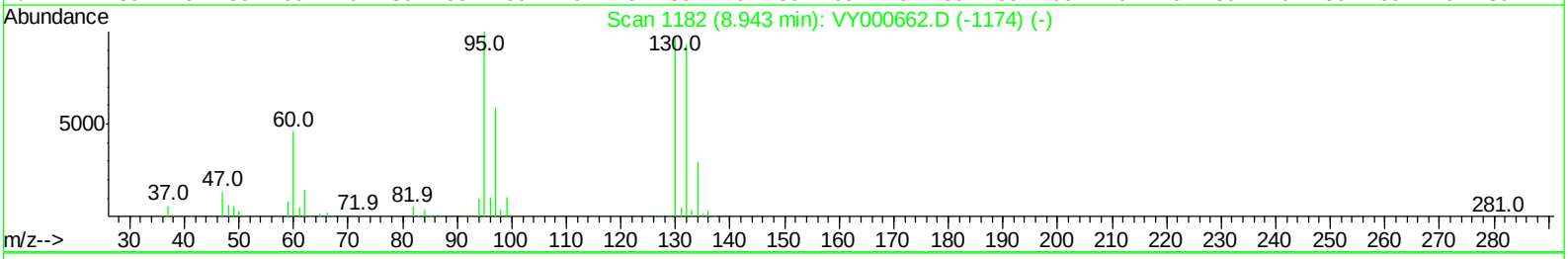
Quantitation Report (Qedit)

Data File : VY000664.D
Acq On : 13 Nov 2019 11:55
Operator : SY/MD
Sample : MDL01
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 13 13:32:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM111219S.M
Quant Title : VOC Analysis
QLast Update : Wed Nov 13 13:29:46 2019
Response via : Initial Calibration




TIC: VY000664.D

(35) Trichloroethene (T)

8.955min (+0.013) 0.56ug/L

response 3059

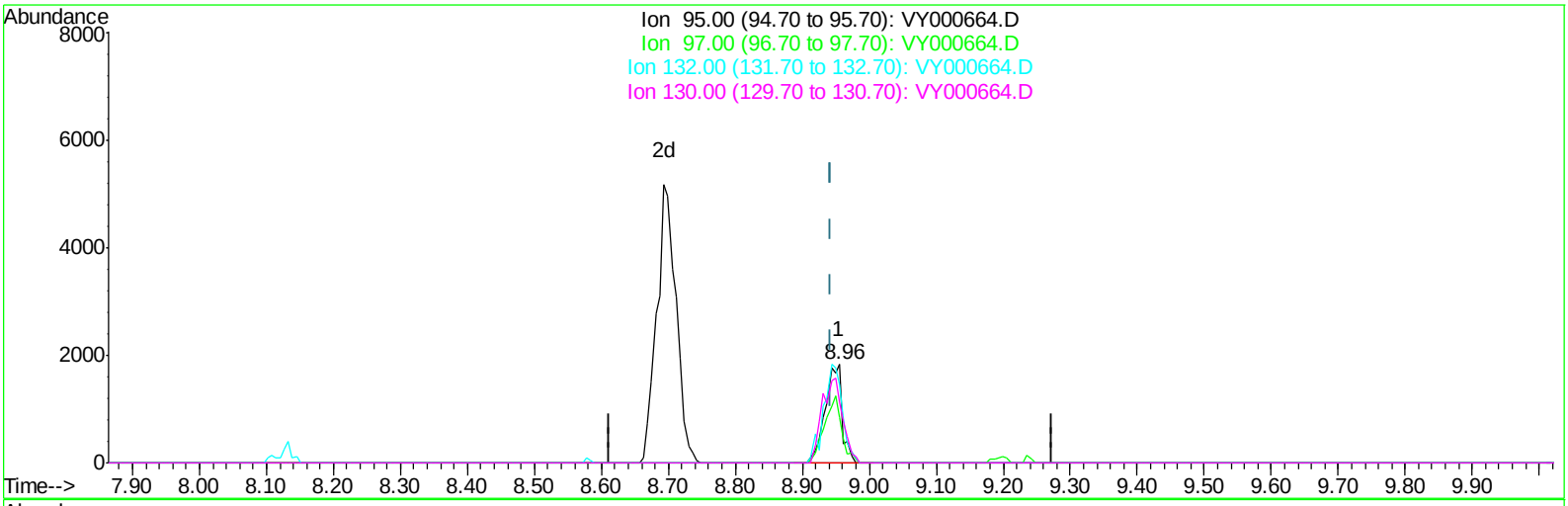
| Ion | Exp% | Act% |
|---|---|---|
| 95.00 | 100 | 100 |
| 97.00 | 63.40 | 73.81 |
| 132.00 | 95.40 | 115.76 |
| 130.00 | 101.30 | 111.31 |

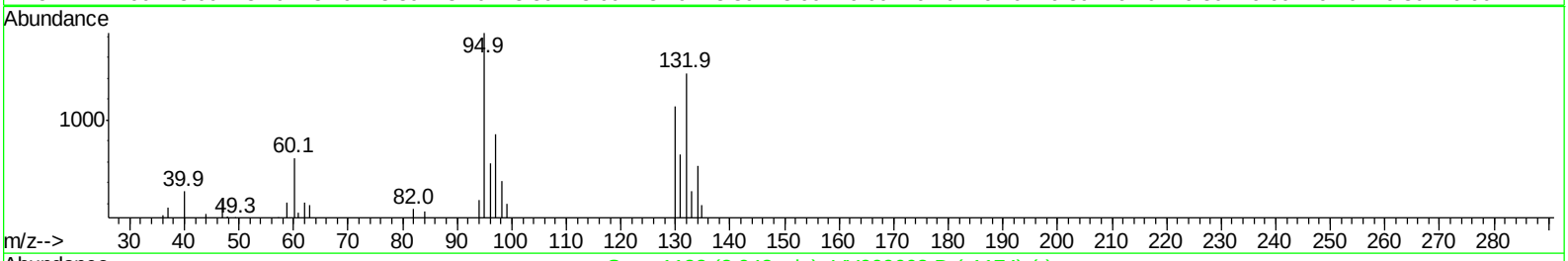
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\vy111319\

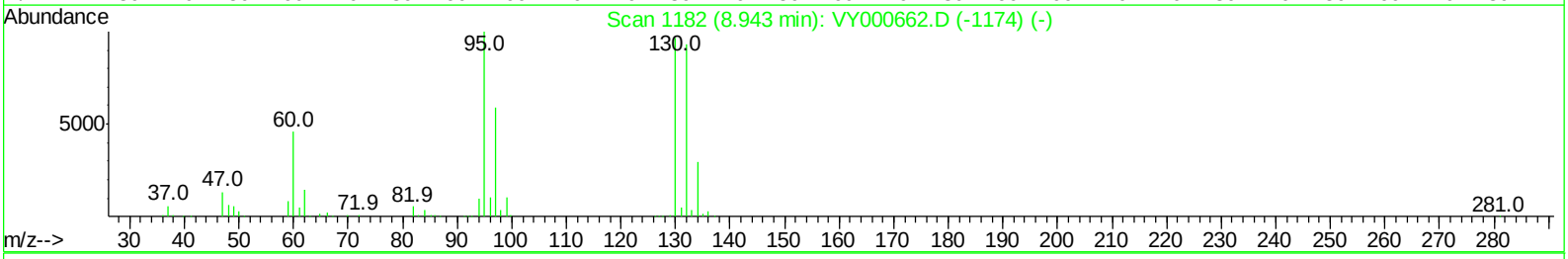
Quantitation Report (Qedit)

Data File : VY000664.D
Acq On : 13 Nov 2019 11:55
Operator : SY/MD
Sample : MDL01
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 13 13:32:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM111219S.M
Quant Title : VOC Analysis
QLast Update : Wed Nov 13 13:29:46 2019
Response via : Initial Calibration




TIC: VY000664.D

(35) Trichloroethene (T)

8.955min (+0.013) 0.59ug/L m

response 3251

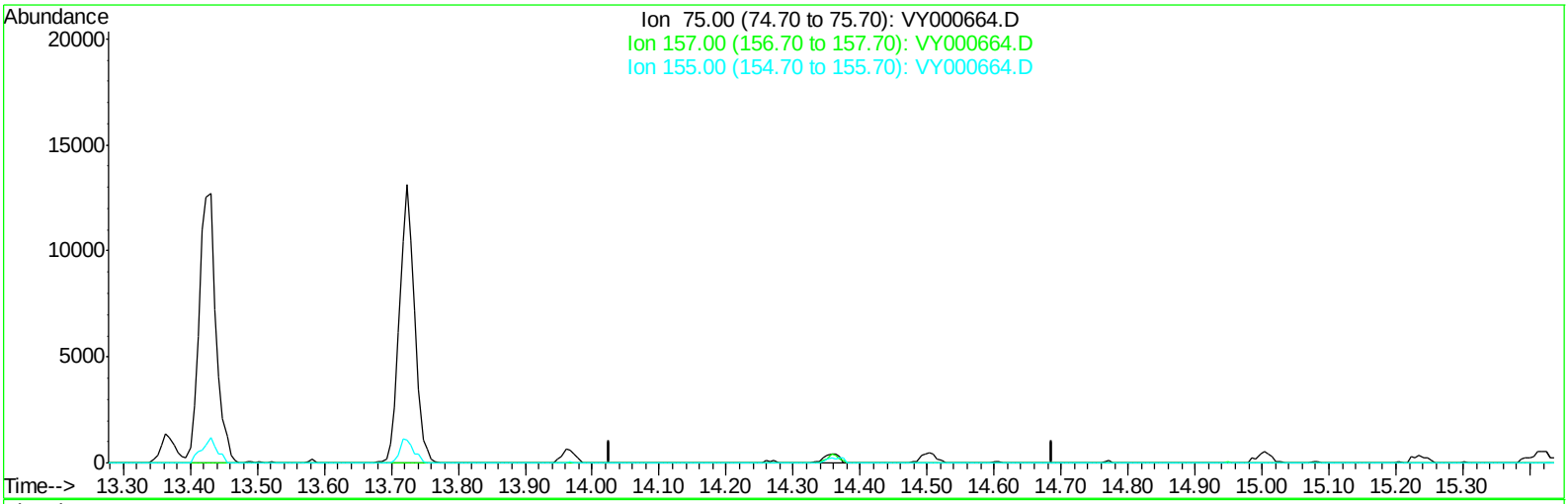
| Ion | Exp% | Act% |
|---|---|---|
| 95.00 | 100 | 100 |
| 97.00 | 63.40 | 69.46 |
| 132.00 | 95.40 | 108.92 |
| 130.00 | 101.30 | 104.74 |

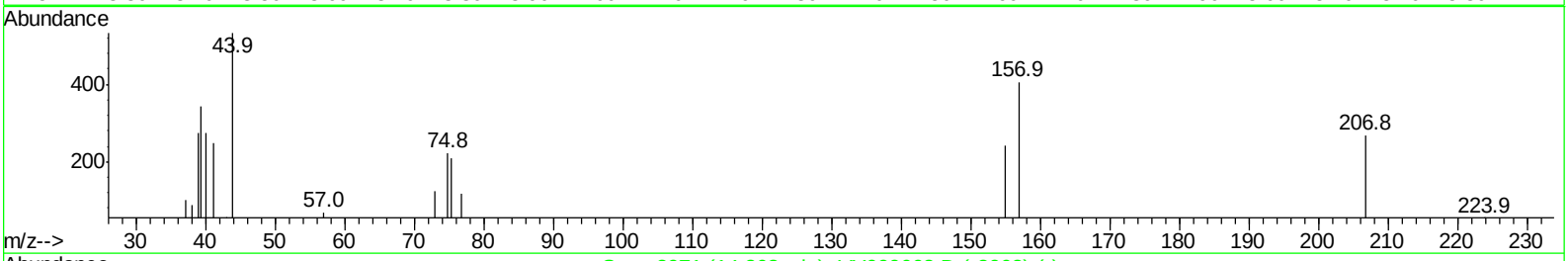
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\vy111319\

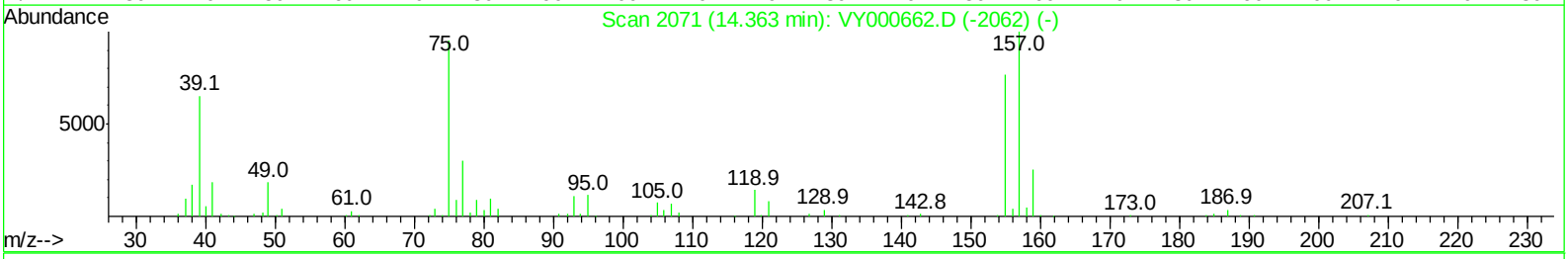
Quantitation Report (Qedit)

Data File : VY000664.D
Acq On : 13 Nov 2019 11:55
Operator : SY/MD
Sample : MDL01
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 13 13:32:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM111219S.M
Quant Title : VOC Analysis
QLast Update : Wed Nov 13 13:29:46 2019
Response via : Initial Calibration




TIC: VY000664.D

(66) 1,2-Dibromo-3-chloropropane (T)

14.357min (-14.357) 0.00ug/L

response 0

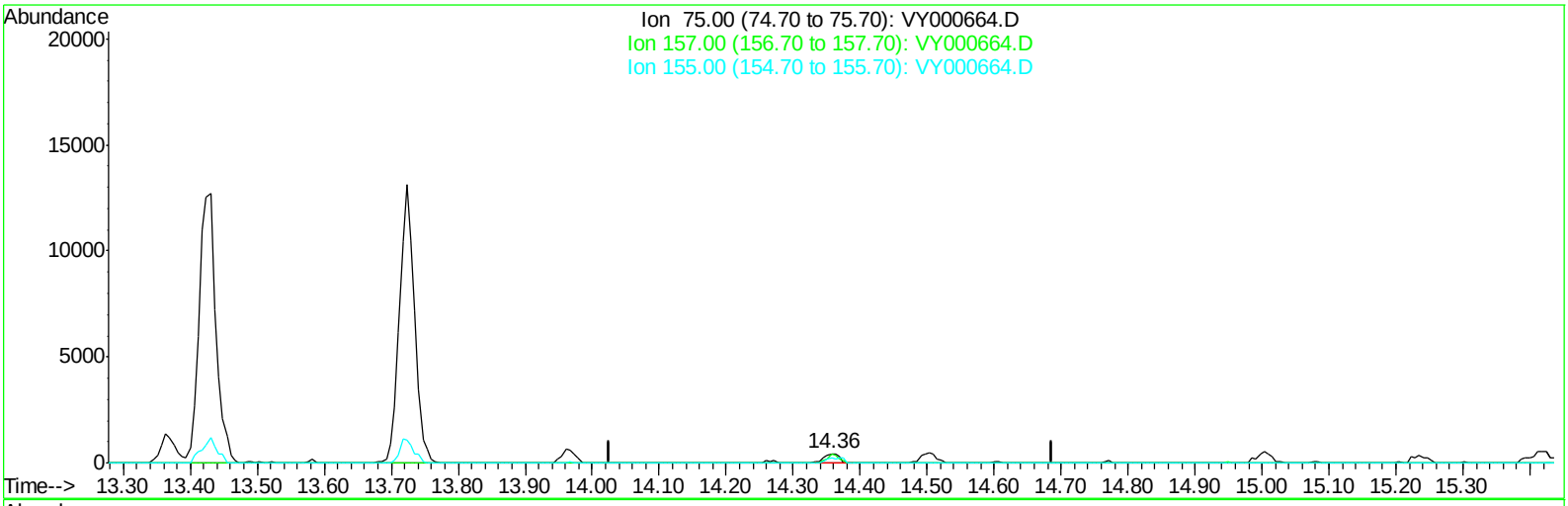
| Ion | Exp% | Act% |
|---|---|---|
| 75.00 | 100 | 0.00 |
| 157.00 | 97.60 | 0.00# |
| 155.00 | 80.30 | 0.00# |
| 0.00 | 0.00 | 0.00 |

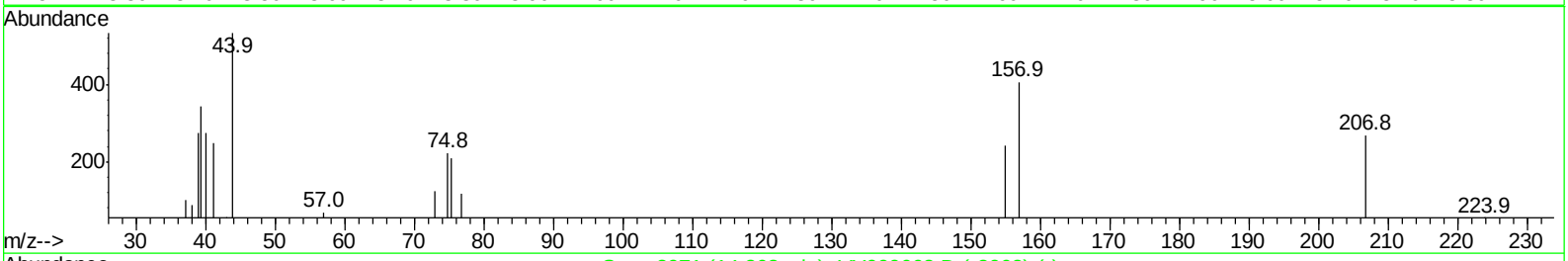
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\vy111319\

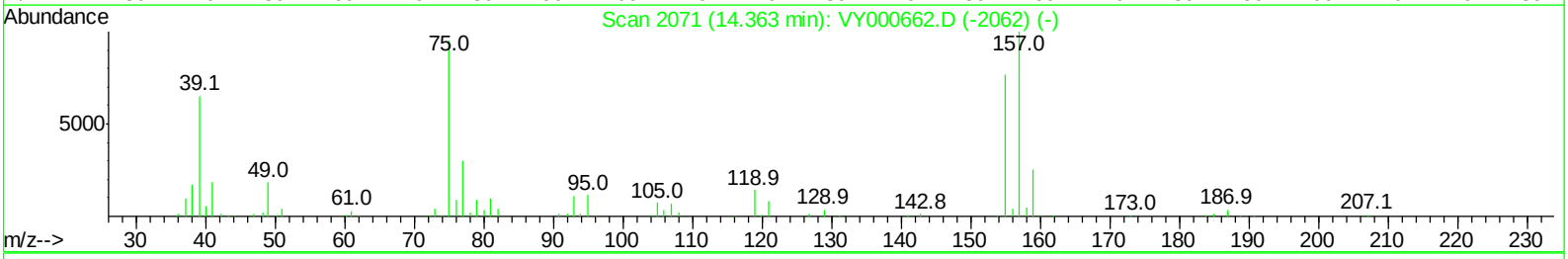
Quantitation Report (Qedit)

Data File : VY000664.D
Acq On : 13 Nov 2019 11:55
Operator : SY/MD
Sample : MDL01
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 13 13:32:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM111219S.M
Quant Title : VOC Analysis
QLast Update : Wed Nov 13 13:29:46 2019
Response via : Initial Calibration




TIC: VY000664.D

(66) 1,2-Dibromo-3-chloropropane (T)

14.357min (+0.000) 0.70ug/L m

response 649

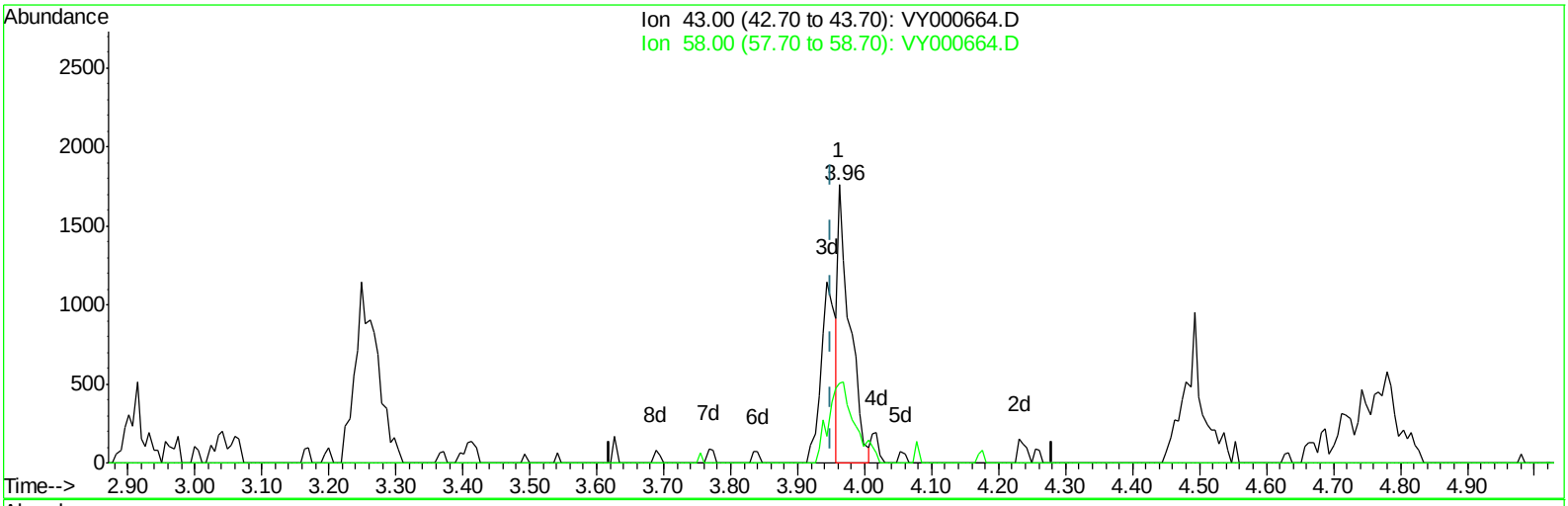
| Ion | Exp% | Act% |
|---|---|---|
| 75.00 | 100 | 100 |
| 157.00 | 97.60 | 183.33# |
| 155.00 | 80.30 | 108.56# |
| 0.00 | 0.00 | 0.00 |

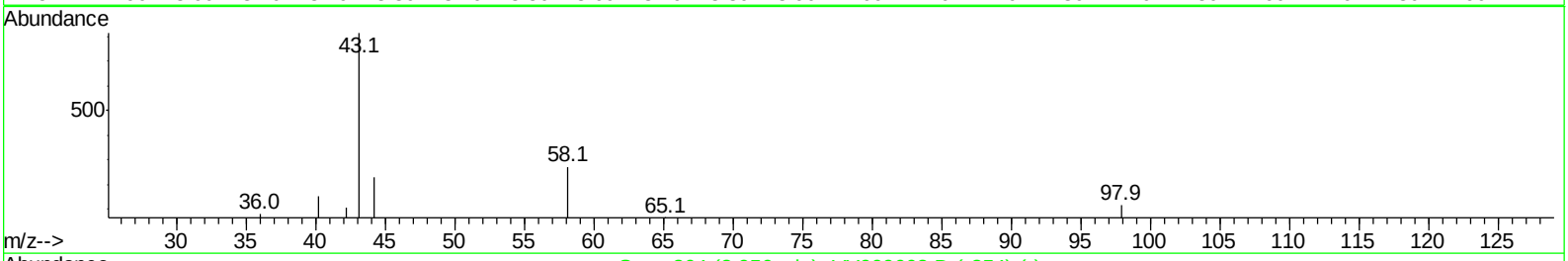
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\vy111319\

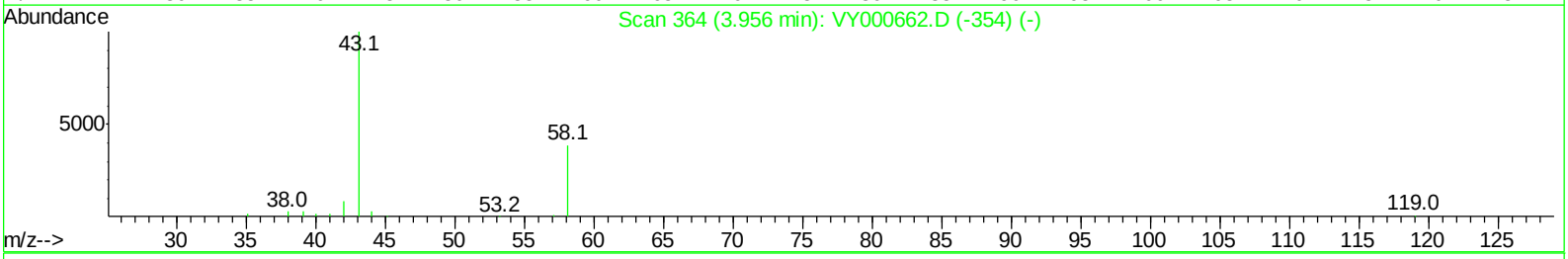
Quantitation Report (Qedit)

Data File : VY000664.D
Acq On : 13 Nov 2019 11:55
Operator : SY/MD
Sample : MDL01
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 13 13:32:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM111219S.M
Quant Title : VOC Analysis
QLast Update : Wed Nov 13 13:29:46 2019
Response via : Initial Calibration




TIC: VY000664.D

(13) Acetone (T)

3.962min (+0.013) 1.47ug/L

response 2188

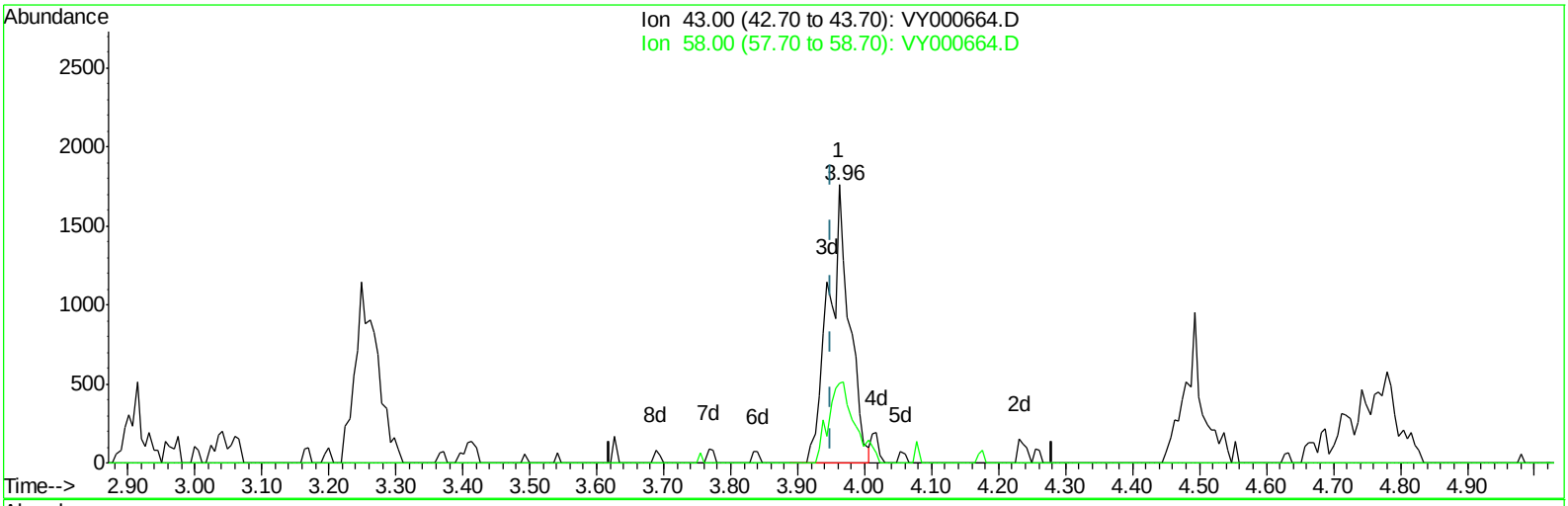
| Ion | Exp% | Act% |
|---|---|---|
| 43.00 | 100 | 100 |
| 58.00 | 32.40 | 59.69 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

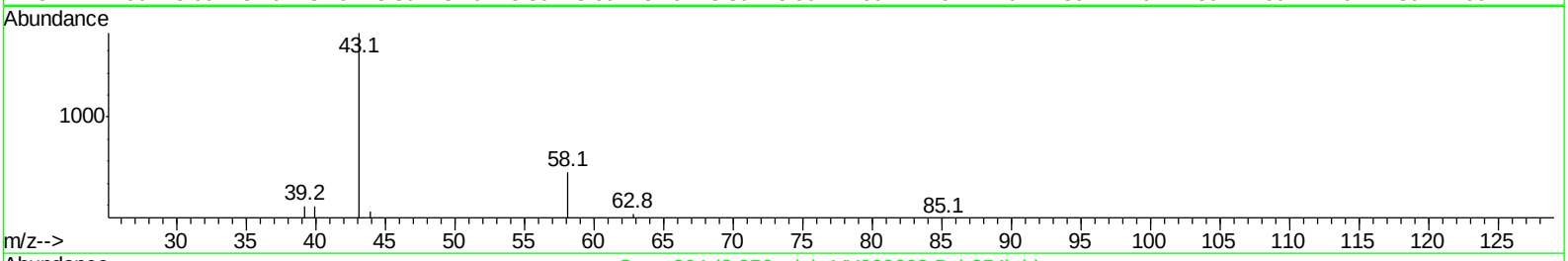
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\vy111319\

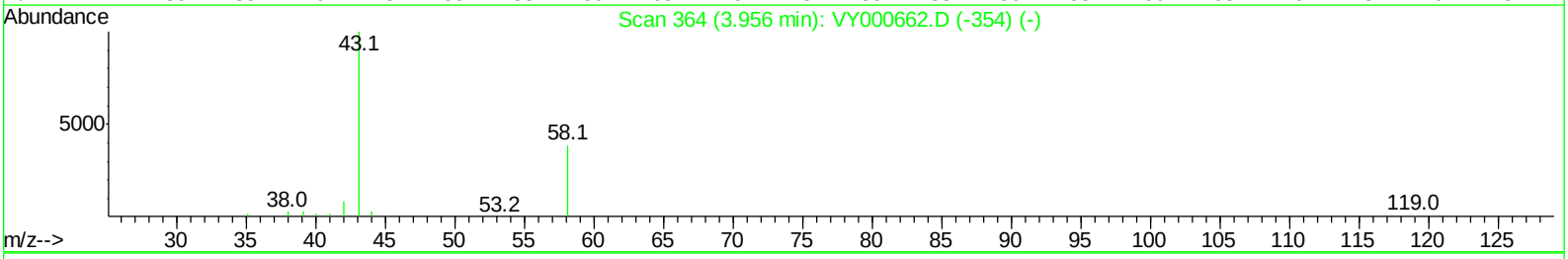
Quantitation Report (Qedit)

Data File : VY000664.D
Acq On : 13 Nov 2019 11:55
Operator : SY/MD
Sample : MDL01
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 13 13:32:28 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM111219S.M
Quant Title : VOC Analysis
QLast Update : Wed Nov 13 13:29:46 2019
Response via : Initial Calibration




TIC: VY000664.D

(13) Acetone (T)

3.962min (+0.013) 2.60ug/L m

response 3872

| Ion | Exp% | Act% |
|---|---|---|
| 43.00 | 100 | 100 |
| 58.00 | 32.40 | 33.73 |
| 0.00 | 0.00 | 0.00 |
| 0.00 | 0.00 | 0.00 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\vy111319\

Quantitation Report (QT Reviewed)

Data File : VY000664.D
Acq On : 13 Nov 2019 11:55
Operator : SY/MD
Sample : MDL01
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 13 13:41:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM111219S.M
Quant Title : VOC Analysis
QLast Update : Wed Nov 13 13:29:46 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc | Units | Dev(Min) |
|---|---|---|---|---|---|---|
| 1) 1,4-Difluorobenzene | 8.70 | 114 | 349669 | 25.00 | ug/L | 0.00 |
| 28) Chlorobenzene-d5 | 11.49 | 117 | 318779 | 25.00 | ug/L | 0.00 |
| 60) 1,4-Dichlorobenzene-d4 | 13.42 | 152 | 147401 | 25.00 | ug/L | 0.00 |
| **System Monitoring Compounds** | | | | | | |
| 4) Vinyl Chloride-d3 | 2.25 | 65 | 121480 | 24.60 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 98.40% | | | |
| 7) Chloroethane-d5 | 2.77 | 69 | 110116 | 25.10 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 150 | | Recovery = 100.40% | | | |
| 10) 1,1-Dichloroethene-d2 | 3.86 | 63 | 169253 | 18.56 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 110 | | Recovery = 74.24% | | | |
| 20) 2-Butanone-d5 | 6.90 | 46 | 93207 | 45.74 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 91.48% | | | |
| 24) Chloroform-d | 7.49 | 84 | 217704 | 23.73 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 40 - 150 | | Recovery = 94.92% | | | |
| 26) 1,2-Dichloroethane-d4 | 8.15 | 65 | 129828 | 24.40 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 130 | | Recovery = 97.60% | | | |
| 29) Benzene-d6 | 8.12 | 84 | 468594 | 25.31 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 20 - 135 | | Recovery = 101.24% | | | |
| 33) 1,2-Dichloropropane-d6 | 9.13 | 67 | 144640 | 24.93 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 70 - 120 | | Recovery = 99.72% | | | |
| 37) Toluene-d8 | 10.18 | 98 | 423049 | 24.46 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 130 | | Recovery = 97.84% | | | |
| 38) trans-1,3-Dichloropropene- | 10.44 | 79 | 65917 | 24.35 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 30 - 135 | | Recovery = 97.40% | | | |
| 39) 2-Hexanone-d5 | 10.79 | 63 | 70496 | 44.96 | ug/L | 0.00 |
| Spiked Amount 50.000 | Range 20 - 135 | | Recovery = 89.92% | | | |
| 48) 1,1,2,2-Tetrachloroethane- | 12.56 | 84 | 125724 | 22.28 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 45 - 120 | | Recovery = 89.12% | | | |
| 61) 1,2-Dichlorobenzene-d4 | 13.72 | 152 | 150245 | 25.49 | ug/L | 0.00 |
| Spiked Amount 25.000 | Range 75 - 120 | | Recovery = 101.96% | | | |

| Target Compounds | | | | | | Qvalue |
|---|---|---|---|---|---|---|
| 2) Dichlorodifluoromethane | 1.91 | 85 | 3063 | 0.663 | ug/L | 92 |
| 3) Chloromethane | 2.12 | 50 | 3789 | 0.654 | ug/L # | 58 |
| 5) Vinyl chloride | 2.26 | 62 | 3561 | 0.616 | ug/L # | 48 |
| 6) Bromomethane | 2.66 | 94 | 2417m | 0.766 | ug/L | |
| 8) Chloroethane | 2.80 | 64 | 2000 | 0.552 | ug/L | 83 |
| 9) Trichlorofluoromethane | 3.13 | 101 | 5852 | 0.715 | ug/L | 95 |
| 11) 1,1,2-Trichloro-1,2,2-trif | 3.91 | 101 | 3500m | 0.754 | ug/L | |
| 12) 1,1-Dichloroethene | 3.88 | 96 | 4147m | 0.915 | ug/L | |
| 13) Acetone | 3.96 | 43 | 3872m | 2.597 | ug/L | |
| 14) Carbon disulfide | 4.21 | 76 | 8195 | 0.586 | ug/L # | 82 |
| 16) Methylene chloride | 4.72 | 84 | 12883 | 2.232 | ug/L | 91 |
| 17) Methyl tert-butyl Ether | 5.22 | 73 | 7664m | 0.556 | ug/L | |
| 18) trans-1,2-Dichloroethene | 5.23 | 96 | 3003 | 0.593 | ug/L # | 85 |
| 19) 1,1-Dichloroethane | 6.04 | 63 | 4564 | 0.512 | ug/L # | 82 |
| 21) 2-Butanone | 7.00 | 43 | 5804m | 2.210 | ug/L | |
| 22) cis-1,2-Dichloroethene | 6.99 | 96 | 2900 | 0.518 | ug/L # | 63 |
| 23) Bromochloromethane | 7.35 | 128 | 1620 | 0.663 | ug/L # | 69 |

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\vy111319\

Quantitation Report (QT Reviewed)

Data File : VY000664.D
Acq On : 13 Nov 2019 11:55
Operator : SY/MD
Sample : MDL01
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 13 13:41:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM111219S.M
Quant Title : VOC Analysis
QLast Update : Wed Nov 13 13:29:46 2019
Response via : Initial Calibration

| Internal Standards | R.T. | QIon | Response | Conc Units | | Dev(Min) |
|---|---|---|---|---|---|---|
| 25) Chloroform | 7.52 | 83 | 11767 | 1.225 ug/L | | 77 |
| 27) 1,2-Dichloroethane | 8.24 | 62 | 3869 | 0.603 ug/L | # | 93 |
| 30) Cyclohexane | 7.80 | 56 | 4896 | 0.563 ug/L | # | 80 |
| 31) 1,1,1-Trichloroethane | 7.71 | 97 | 4045 | 0.515 ug/L | # | 93 |
| 32) Carbon tetrachloride | 7.91 | 117 | 3851 | 0.563 ug/L | # | 62 |
| 34) Benzene | 8.18 | 78 | 12253 | 0.588 ug/L | | 100 |
| 35) Trichloroethene | 8.96 | 95 | 3251m | 0.595 ug/L | | |
| 36) Methylcyclohexane | 9.18 | 83 | 5124 | 0.548 ug/L | # | 27 |
| 40) 1,2-Dichloropropane | 9.22 | 63 | 2796 | 0.529 ug/L | | 98 |
| 41) Bromodichloromethane | 9.50 | 83 | 4152 | 0.611 ug/L | # | 81 |
| 42) cis-1,3-Dichloropropene | 9.94 | 75 | 3916 | 0.460 ug/L | | 85 |
| 43) 4-Methyl-2-pentanone | 10.07 | 43 | 7306 | 1.446 ug/L | # | 94 |
| 44) Toluene | 10.25 | 91 | 12941 | 0.574 ug/L | | 95 |
| 45) trans-1,3-Dichloropropene | 10.47 | 75 | 4627 | 0.633 ug/L | # | 80 |
| 46) 1,1,2-Trichloroethane | 10.65 | 97 | 2402 | 0.554 ug/L | # | 80 |
| 47) Tetrachloroethene | 10.72 | 164 | 2350 | 0.576 ug/L | # | 77 |
| 50) Dibromochloromethane | 10.99 | 129 | 2563 | 0.524 ug/L | | 78 |
| 51) 1,2-Dibromoethane | 11.10 | 107 | 2219 | 0.526 ug/L | # | 89 |
| 52) Chlorobenzene | 11.52 | 112 | 8544 | 0.598 ug/L | | 92 |
| 53) Ethylbenzene | 11.60 | 91 | 14228 | 0.558 ug/L | | 88 |
| 54) m,p-Xylene | 11.70 | 106 | 5969 | 0.619 ug/L | | 96 |
| 55) o-xylene | 12.03 | 106 | 5143 | 0.543 ug/L | | 98 |
| 56) Styrene | 12.05 | 104 | 7261 | 0.462 ug/L | | 98 |
| 57) Isopropylbenzene | 12.33 | 105 | 14324 | 0.581 ug/L | | 99 |
| 58) 1,1,2,2-Tetrachloroethane | 12.58 | 83 | 3725 | 0.689 ug/L | # | 90 |
| 62) Bromoform | 12.20 | 173 | 1428 | 0.510 ug/L | # | 98 |
| 63) 1,3-Dichlorobenzene | 13.37 | 146 | 6597 | 0.627 ug/L | | 92 |
| 64) 1,4-Dichlorobenzene | 13.44 | 146 | 6475 | 0.616 ug/L | | 96 |
| 65) 1,2-Dichlorobenzene | 13.74 | 146 | 6166 | 0.633 ug/L | | 92 |
| 67) 1,3,5-Trichlorobenzene | 14.50 | 180 | 4127 | 0.563 ug/L | | 93 |
| 68) 1,2,4-trichlorobenzene | 15.01 | 180 | 4010 | 0.612 ug/L | | 92 |
| 69) Naphthalene | 15.23 | 128 | 9108 | 0.558 ug/L | # | 94 |
| 70) 1,2,3-Trichlorobenzene | 15.42 | 180 | 3390 | 0.557 ug/L | # | 83 |

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\vy111319\

Quantitation Report (QT Reviewed)

Data File : VY000664.D
Acq On : 13 Nov 2019 11:55
Operator : SY/MD
Sample : MDL01
Misc : 5.00G/10ML/MSVOA_Y/SOIL
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Nov 13 13:41:47 2019
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_Y\METHODS\SOM2YLM111219S.M
Quant Title : VOC Analysis
QLast Update : Wed Nov 13 13:29:46 2019
Response via : Initial Calibration