

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW012720\  
Quantitation Report (Qedit)

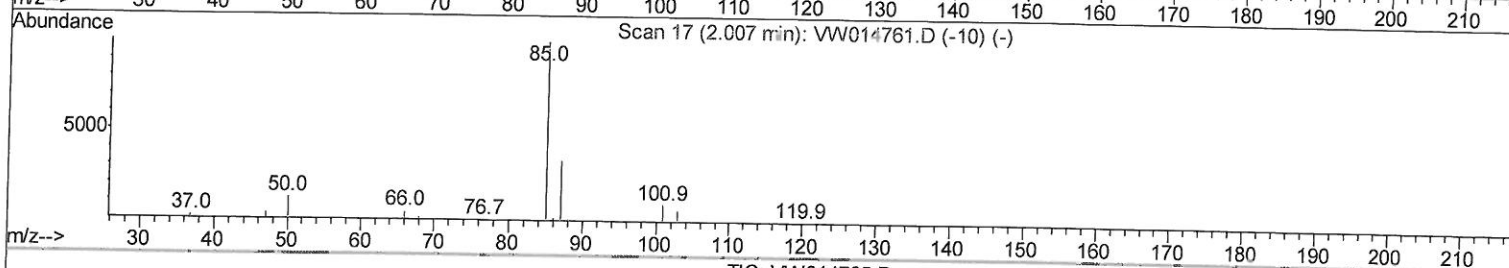
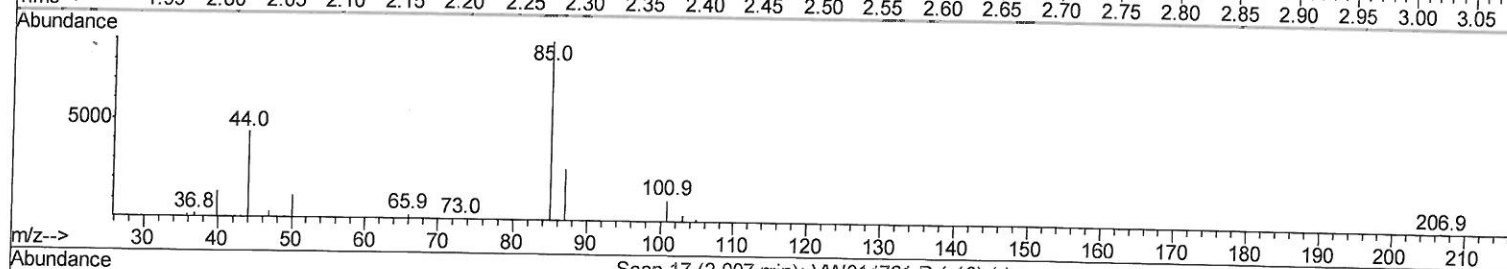
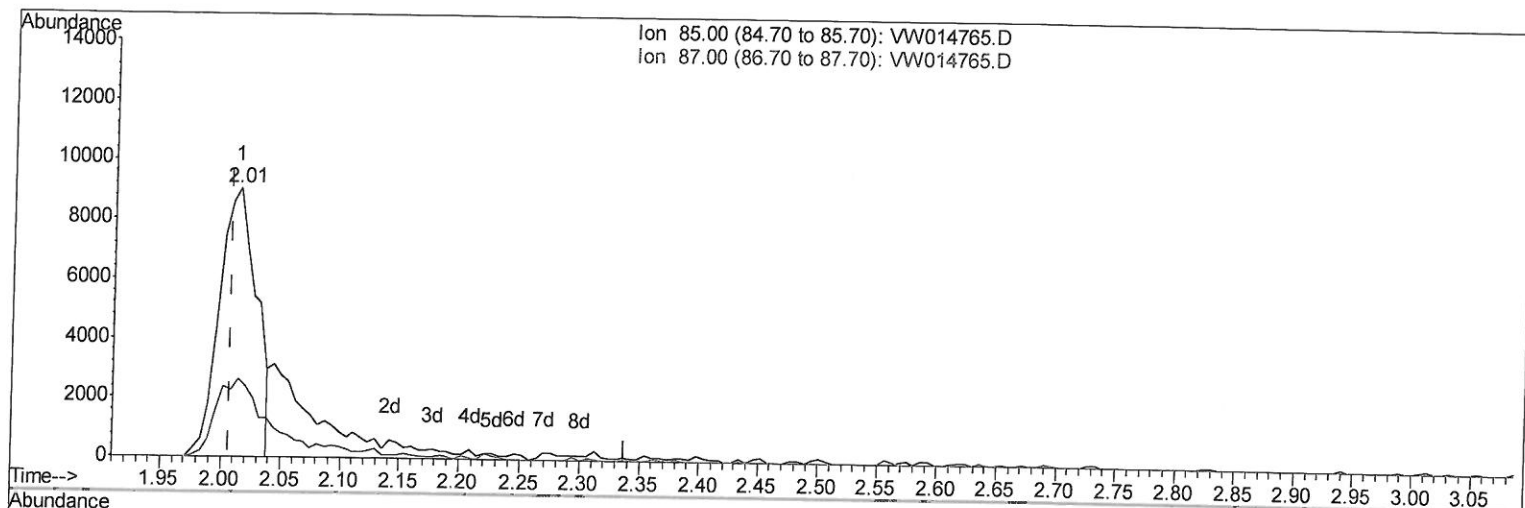
Data File : VW014765.D  
Acq On : 27 Jan 2020 13:45  
Operator : SY/VA  
Sample : VSTD2.503  
Misc : 5.00G/10ML/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD2.503

Manual Integrations  
APPROVED

MMDadoda  
1/28/2020 1:58:05 PM

Quant Time: Jan 27 15:24:32 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM012720S.M  
Quant Title : VOC Analysis  
QLast Update : Mon Jan 27 13:46:01 2020  
Response via : Initial Calibration



TIC: VW014765.D

(2) Dichlorodifluoromethane (T)

2.014min (+0.006) 2.10ug/L

response 19292

| Ion   | Exp%  | Act%  |
|-------|-------|-------|
| 85.00 | 100   | 100   |
| 87.00 | 31.40 | 39.20 |
| 0.00  | 0.00  | 0.00  |
| 0.00  | 0.00  | 0.00  |

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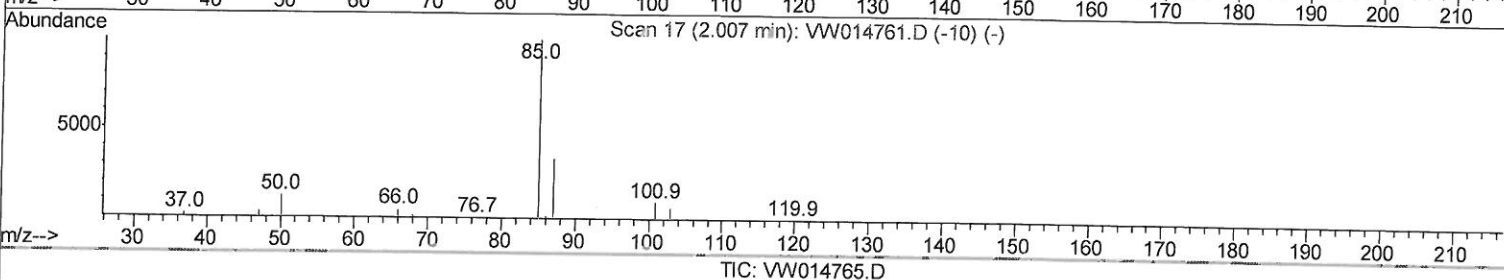
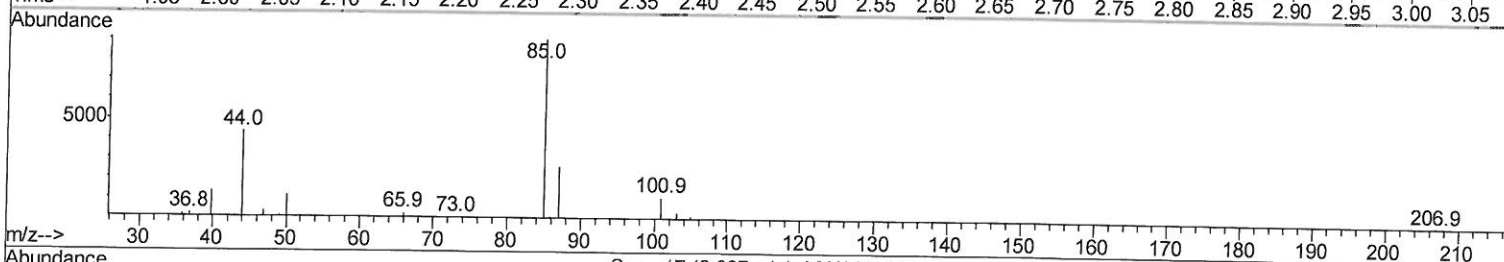
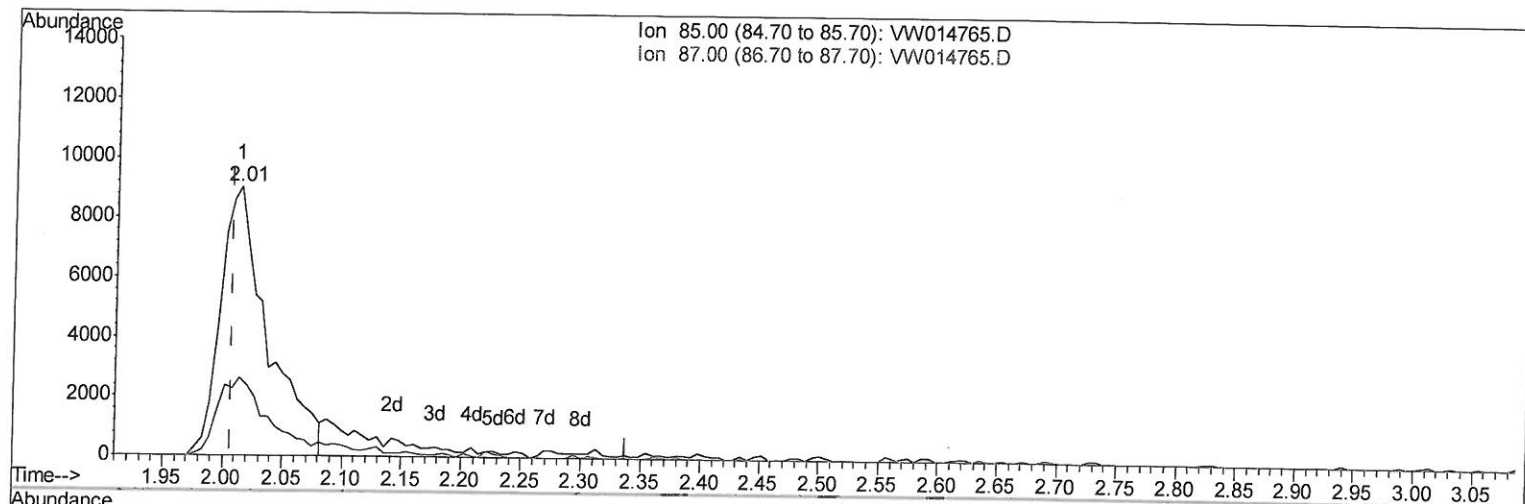
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(2) Dichlorodifluoromethane (T)

2.014min (+0.006) 2.67ug/L m

response 24594

| Ion   | Exp%  | Act%  |
|-------|-------|-------|
| 85.00 | 100   | 100   |
| 87.00 | 31.40 | 30.75 |
| 0.00  | 0.00  | 0.00  |
| 0.00  | 0.00  | 0.00  |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW012720\  
Quantitation Report (Qedit)

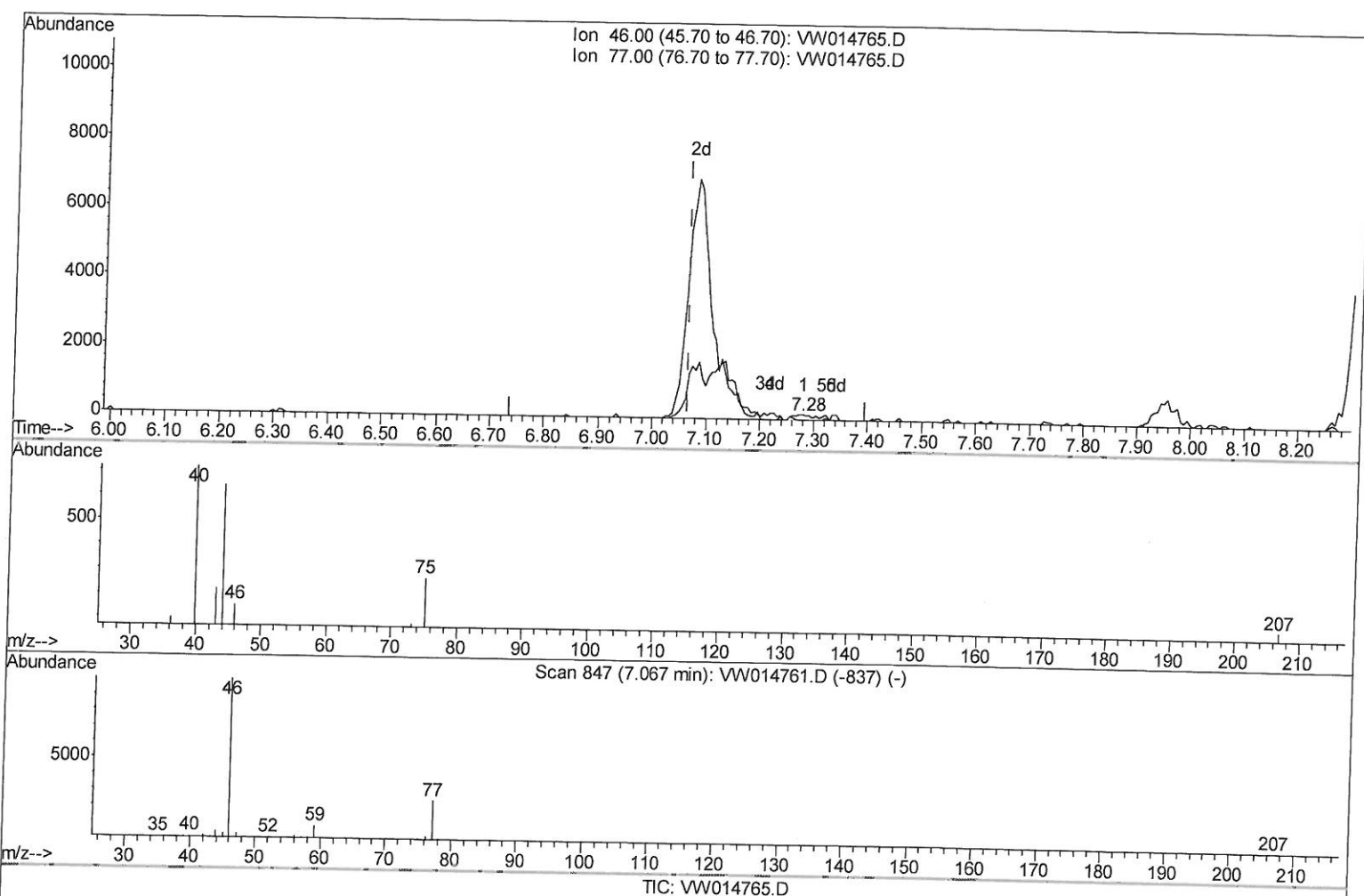
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Acq On : 27 Jan 2020 13:45  
Operator : SY/VA  
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Misc : 5.00G/10ML/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD2.503

Manual Integrations  
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1/28/2020 1:58:05 PM

Quant Time: Jan 28 06:51:13 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM012720S.M  
Quant Title : VOC Analysis  
QLast Update : Mon Jan 27 15:38:15 2020  
Response via : Initial Calibration



(20) 2-Butanone-d5 (S)

7.281min (+0.214) 0.10ug/L

response 348

| Ion   | Exp%  | Act%  |
|-------|-------|-------|
| 46.00 | 100   | 100   |
| 77.00 | 22.00 | 16.38 |
| 0.00  | 0.00  | 0.00  |
| 0.00  | 0.00  | 0.00  |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_W\Data\VW012720\  
Quantitation Report (Qedit)

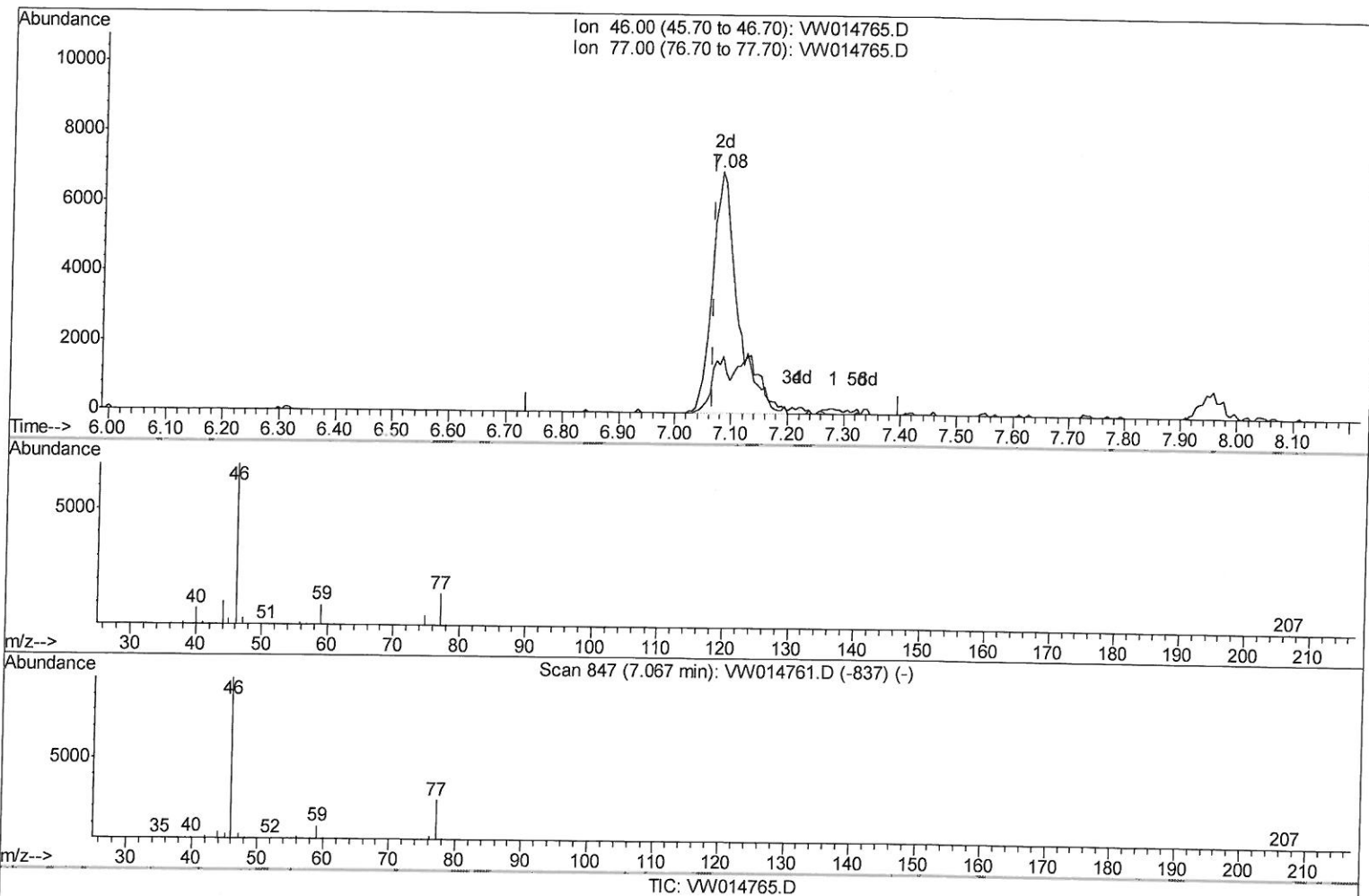
Data File : VW014765.D  
Acq On : 27 Jan 2020 13:45  
Operator : SY/VA  
Sample : VSTD2.503  
Misc : 5.00G/10ML/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
VSTD2.503

Manual Integrations  
APPROVED

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1/28/2020 1:58:05 PM

Quant Time: Jan 27 15:36:21 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM012720S.M  
Quant Title : VOC Analysis  
QLast Update : Mon Jan 27 13:46:01 2020  
Response via : Initial Calibration



(20) 2-Butanone-d5 (S)

7.080min (+0.012) 8.46ug/L m

response 22240

| Ion   | Exp%  | Act%  |
|-------|-------|-------|
| 46.00 | 100   | 100   |
| 77.00 | 22.00 | 0.26# |
| 0.00  | 0.00  | 0.00  |
| 0.00  | 0.00  | 0.00  |

501/25/2024



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Sample : VSTD2.503

Misc : 5.00G/10ML/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
ClientSampleId :  
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Manual Integrations  
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1/28/2020 1:58:05 PM

Quant Time: Jan 27 15:36:21 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM012720S.M  
Quant Title : VOC Analysis  
QLast Update : Mon Jan 27 13:46:01 2020  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 778035   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 709121   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.55 | 152  | 323199   | 25.00 | ug/L  | 0.00     |

System Monitoring Compounds

|                                |       |     |        |      |      |      |
|--------------------------------|-------|-----|--------|------|------|------|
| 4) Vinyl Chloride-d3           | 2.35  | 65  | 34045  | 2.90 | ug/L | 0.00 |
| 7) Chloroethane-d5             | 2.89  | 69  | 25600  | 2.65 | ug/L | 0.00 |
| 10) 1,1-Dichloroethene-d2      | 4.01  | 63  | 58648  | 2.76 | ug/L | 0.00 |
| 20) 2-Butanone-d5              | 7.08  | 46  | 22240m | 8.46 | ug/L | 0.01 |
| 24) Chloroform-d               | 7.65  | 84  | 56839  | 3.05 | ug/L | 0.00 |
| 26) 1,2-Dichloroethane-d4      | 8.31  | 65  | 33067  | 3.38 | ug/L | 0.00 |
| 29) Benzene-d6                 | 8.27  | 84  | 112293 | 2.81 | ug/L | 0.00 |
| 33) 1,2-Dichloropropane-d6     | 9.27  | 67  | 35771  | 2.91 | ug/L | 0.00 |
| 37) Toluene-d8                 | 10.32 | 98  | 97269  | 2.79 | ug/L | 0.00 |
| 38) trans-1,3-Dichloropropene- | 10.58 | 79  | 13794  | 2.91 | ug/L | 0.00 |
| 39) 2-Hexanone-d5              | 10.92 | 63  | 13671  | 6.60 | ug/L | 0.00 |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69 | 84  | 32616  | 3.75 | ug/L | 0.00 |
| 61) 1,2-Dichlorobenzene-d4     | 13.85 | 152 | 34541  | 3.22 | ug/L | 0.00 |

Target Compounds

|                                |       |     |        |       | Qvalue |
|--------------------------------|-------|-----|--------|-------|--------|
| 2) Dichlorodifluoromethane     | 2.01  | 85  | 24594m | 2.673 | ug/L   |
| 3) Chloromethane               | 2.21  | 50  | 35017  | 3.400 | ug/L   |
| 5) Vinyl chloride              | 2.36  | 62  | 45140  | 2.951 | ug/L   |
| 6) Bromomethane                | 2.78  | 94  | 22611  | 2.783 | ug/L   |
| 8) Chloroethane                | 2.92  | 64  | 21627  | 2.557 | ug/L   |
| 9) Trichlorofluoromethane      | 3.26  | 101 | 18077  | 2.424 | ug/L   |
| 11) 1,1,2-Trichloro-1,2,2-trif | 4.07  | 101 | 28791  | 2.644 | ug/L # |
| 12) 1,1-Dichloroethene         | 4.04  | 96  | 27635  | 2.589 | ug/L   |
| 13) Acetone                    | 4.12  | 43  | 30723  | 9.080 | ug/L   |
| 14) Carbon disulfide           | 4.39  | 76  | 91232  | 2.650 | ug/L   |
| 15) Methyl Acetate             | 4.67  | 43  | 16365  | 3.130 | ug/L   |
| 16) Methylene chloride         | 4.92  | 84  | 47215  | 4.107 | ug/L   |
| 17) Methyl tert-butyl Ether    | 5.42  | 73  | 38118  | 2.882 | ug/L # |
| 18) trans-1,2-Dichloroethene   | 5.42  | 96  | 28088  | 2.632 | ug/L   |
| 19) 1,1-Dichloroethane         | 6.21  | 63  | 53961  | 2.740 | ug/L   |
| 21) 2-Butanone                 | 7.17  | 43  | 26195  | 7.189 | ug/L   |
| 22) cis-1,2-Dichloroethene     | 7.17  | 96  | 28754  | 2.580 | ug/L   |
| 23) Bromochloromethane         | 7.51  | 128 | 14554  | 3.006 | ug/L   |
| 25) Chloroform                 | 7.67  | 83  | 50745  | 2.652 | ug/L   |
| 27) 1,2-Dichloroethane         | 8.40  | 62  | 35856  | 2.830 | ug/L   |
| 30) Cyclohexane                | 7.96  | 56  | 43801  | 2.196 | ug/L   |
| 31) 1,1,1-Trichloroethane      | 7.87  | 97  | 40957  | 2.553 | ug/L   |
| 32) Carbon tetrachloride       | 8.06  | 117 | 38067  | 2.534 | ug/L   |
| 34) Benzene                    | 8.32  | 78  | 117812 | 2.519 | ug/L   |
| 35) Trichloroethene            | 9.09  | 95  | 30332  | 2.502 | ug/L   |
| 36) Methylcyclohexane          | 9.33  | 83  | 46780  | 2.310 | ug/L   |
| 40) 1,2-Dichloropropane        | 9.37  | 63  | 30537  | 2.602 | ug/L   |
| 41) Bromodichloromethane       | 9.64  | 83  | 36121  | 2.568 | ug/L   |
| 42) cis-1,3-Dichloropropene    | 10.07 | 75  | 38691  | 2.292 | ug/L   |
| 43) 4-Methyl-2-pentanone       | 10.21 | 43  | 45041  | 6.562 | ug/L   |

01/29/2020

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Quant Title : VOC Analysis  
QLast Update : Mon Jan 27 13:46:01 2020  
Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 44) Toluene                    | 10.38 | 91   | 113757   | 2.470 | ug/L   | 95       |
| 45) trans-1,3-Dichloropropene  | 10.60 | 75   | 34005    | 2.532 | ug/L   | 100      |
| 46) 1,1,2-Trichloroethane      | 10.79 | 97   | 21375    | 2.738 | ug/L   | 95       |
| 47) Tetrachloroethene          | 10.86 | 164  | 23344    | 2.504 | ug/L   | 99       |
| 49) 2-Hexanone                 | 10.96 | 43   | 27423    | 5.538 | ug/L   | 98       |
| 50) Dibromochloromethane       | 11.13 | 129  | 23630    | 2.654 | ug/L   | 92       |
| 51) 1,2-Dibromoethane          | 11.24 | 107  | 21236    | 2.917 | ug/L # | 96       |
| 52) Chlorobenzene              | 11.66 | 112  | 74820    | 2.589 | ug/L   | 95       |
| 53) Ethylbenzene               | 11.73 | 91   | 120115   | 2.380 | ug/L   | 100      |
| 54) m,p-Xylene                 | 11.83 | 106  | 43767    | 2.312 | ug/L   | 93       |
| 55) o-xylene                   | 12.16 | 106  | 40722    | 2.290 | ug/L   | 99       |
| 56) Styrene                    | 12.18 | 104  | 67047    | 2.233 | ug/L   | 95       |
| 57) Isopropylbenzene           | 12.46 | 105  | 109019   | 2.275 | ug/L   | 98       |
| 58) 1,1,2,2-Tetrachloroethane  | 12.71 | 83   | 31066    | 3.297 | ug/L # | 95       |
| 59) 1,2,3-Trichloropropane     | 12.77 | 75   | 23116    | 3.277 | ug/L   | 99       |
| 62) Bromoform                  | 12.35 | 173  | 14734    | 2.984 | ug/L   | 100      |
| 63) 1,3-Dichlorobenzene        | 13.50 | 146  | 54089    | 2.606 | ug/L   | 99       |
| 64) 1,4-Dichlorobenzene        | 13.58 | 146  | 55573    | 2.648 | ug/L   | 97       |
| 65) 1,2-Dichlorobenzene        | 13.87 | 146  | 49372    | 2.630 | ug/L   | 99       |
| 66) 1,2-Dibromo-3-chloropropan | 14.48 | 75   | 5102     | 3.614 | ug/L   | 91       |
| 67) 1,3,5-Trichlorobenzene     | 14.63 | 180  | 39788    | 2.652 | ug/L   | 97       |
| 68) 1,2,4-trichlorobenzene     | 15.13 | 180  | 25730    | 2.274 | ug/L   | 96       |
| 69) Naphthalene                | 15.36 | 128  | 45560    | 2.270 | ug/L   | 98       |
| 70) 1,2,3-Trichlorobenzene     | 15.55 | 180  | 25236    | 2.451 | ug/L   | 98       |

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

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## Manual Integrations

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