

Data File : VR026217.D

Acq On : 9 Nov 2018 12:19

Operator : SY/MD

Sample : VSTD00583

Misc : 25mL/MSVOA\_R/WATER

ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_R  
ClientSampleId :  
VSTD00583

Manual Integrations  
APPROVED

MMDadoda  
11/12/2018 2:06:28 PM

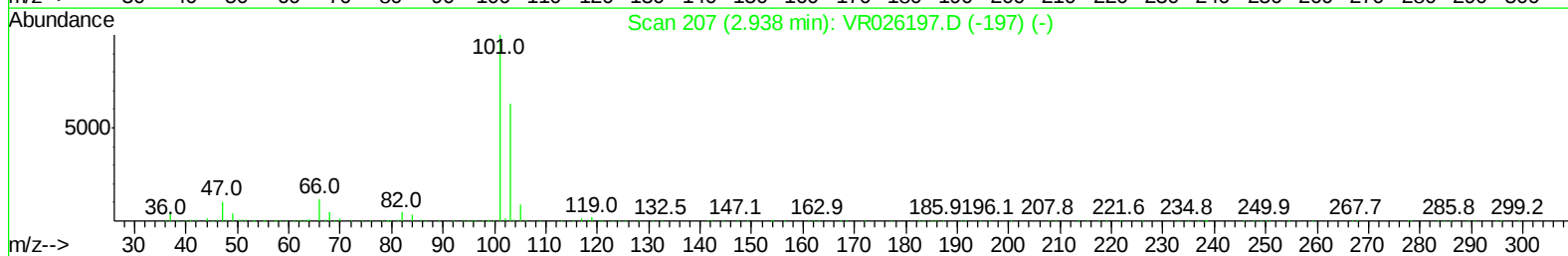
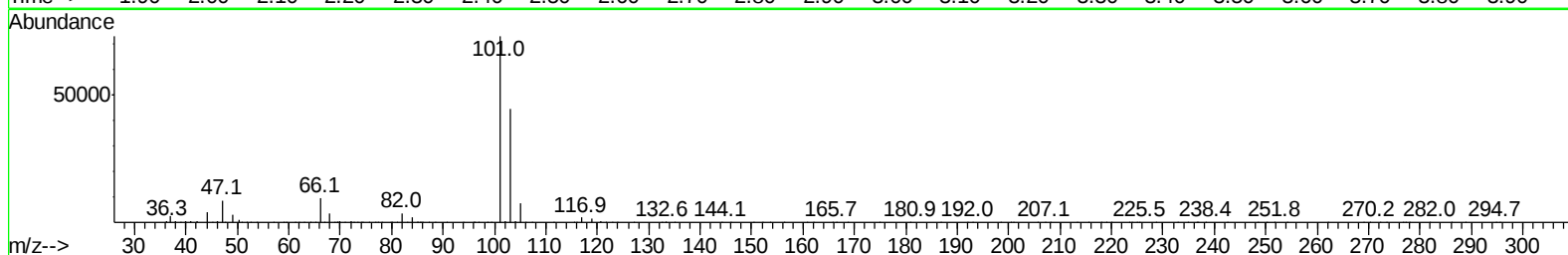
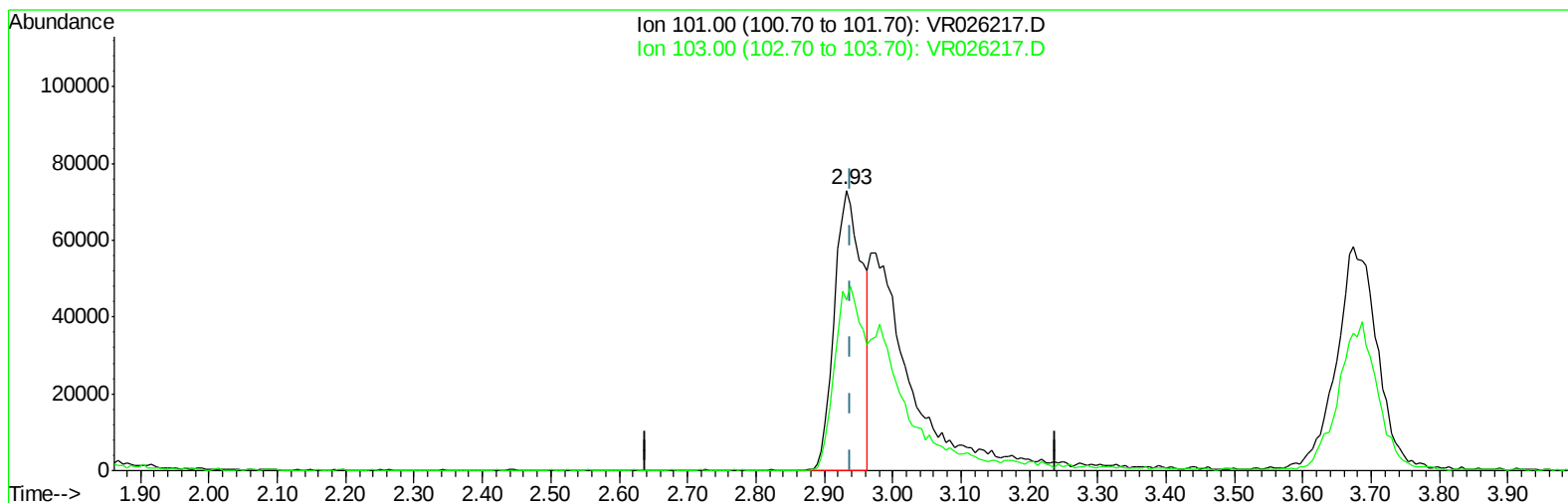
Quant Time: Nov 09 13:32:59 2018

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_R\METHODS\SOMRTR110918WMA.M

Quant Title : TRACE VOA SOM01.0

QLast Update : Fri Nov 09 11:35:41 2018

Response via : Initial Calibration



TIC: VR026217.D

(9) Trichlorofluoromethane (T)

2.932min (-0.006) 2.27ug/L

response 208545

| Ion    | Exp%  | Act%   |
|--------|-------|--------|
| 101.00 | 100   | 100    |
| 103.00 | 32.50 | 66.87# |
| 0.00   | 0.00  | 0.00   |
| 0.00   | 0.00  | 0.00   |

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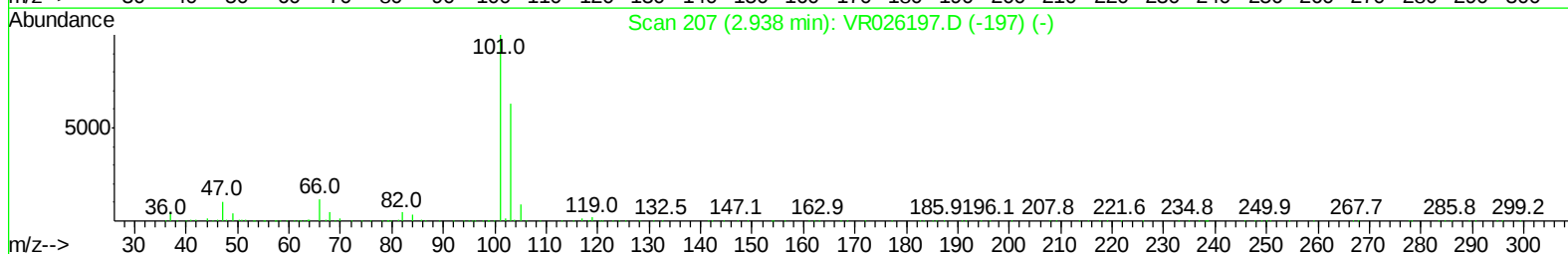
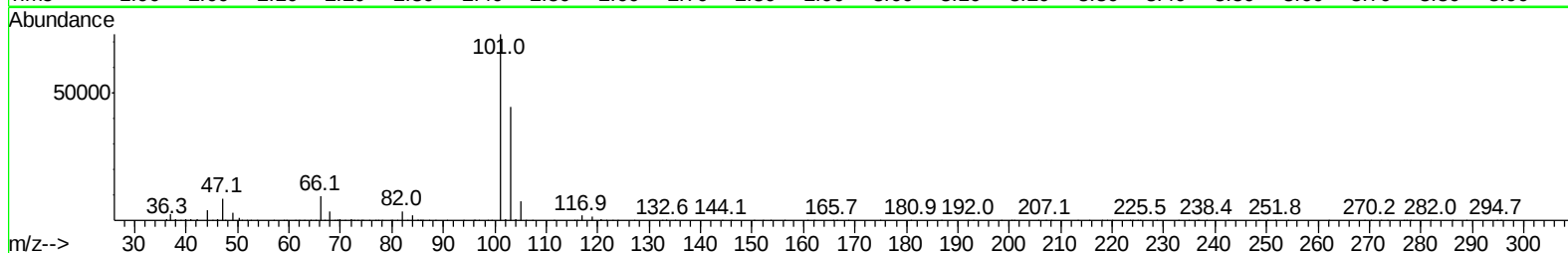
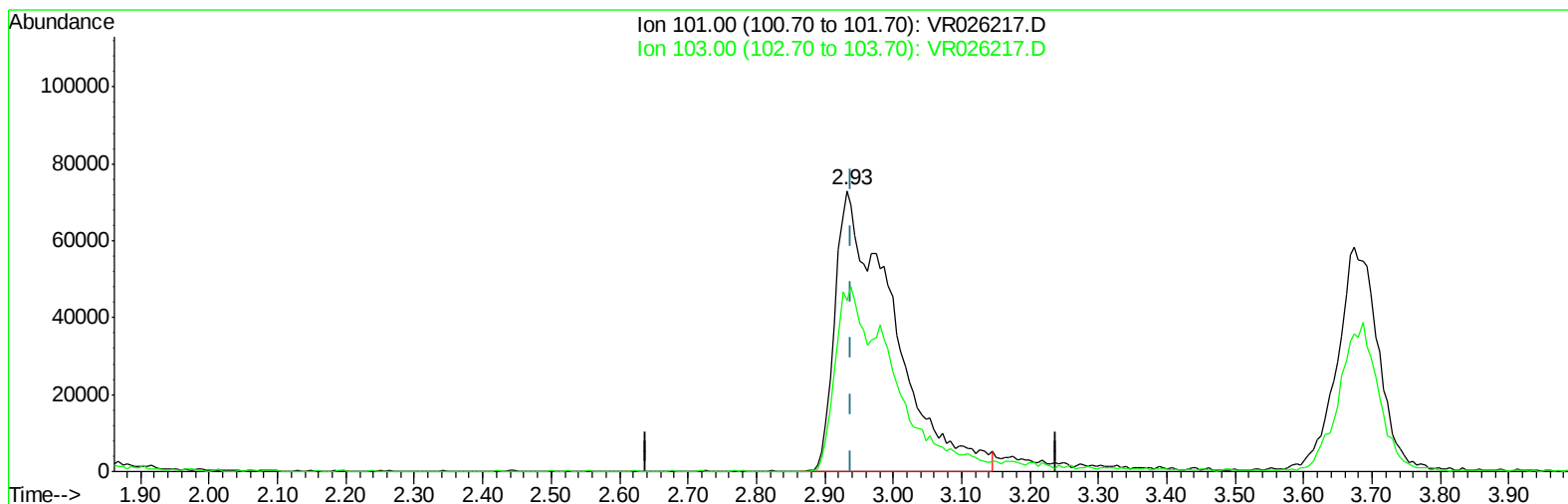
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TIC: VR026217.D

(9) Trichlorofluoromethane (T)

2.932min (-0.006) 4.70ug/L m

response 431593

| Ion    | Exp%  | Act%  |
|--------|-------|-------|
| 101.00 | 100   | 100   |
| 103.00 | 32.50 | 32.31 |
| 0.00   | 0.00  | 0.00  |
| 0.00   | 0.00  | 0.00  |

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| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.46  | 114  | 598910   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.29 | 117  | 516307   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.23 | 152  | 198860   | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |       |     |        |       |      |      |
|--------------------------------|-------|-----|--------|-------|------|------|
| 4) Vinyl Chloride-d3           | 2.15  | 65  | 210445 | 4.01  | ug/L | 0.00 |
| 7) Chloroethane-d5             | 2.63  | 69  | 196437 | 4.36  | ug/L | 0.00 |
| 11) 1,1-Dichloroethene-d2      | 3.61  | 63  | 565233 | 4.39  | ug/L | 0.00 |
| 20) 2-Butanone-d5              | 6.58  | 46  | 192203 | 44.67 | ug/L | 0.00 |
| 24) Chloroform-d               | 7.20  | 84  | 372001 | 4.46  | ug/L | 0.00 |
| 26) 1,2-Dichloroethane-d4      | 7.89  | 65  | 153015 | 4.42  | ug/L | 0.00 |
| 32) Benzene-d6                 | 7.85  | 84  | 739274 | 4.46  | ug/L | 0.00 |
| 36) 1,2-Dichloropropane-d6     | 8.89  | 67  | 197132 | 4.60  | ug/L | 0.00 |
| 41) Toluene-d8                 | 9.97  | 98  | 702865 | 4.49  | ug/L | 0.00 |
| 43) trans-1,3-Dichloropropene- | 10.24 | 79  | 47550  | 4.23  | ug/L | 0.00 |
| 46) 2-Hexanone-d5              | 10.59 | 63  | 158254 | 48.78 | ug/L | 0.00 |
| 57) 1,1,2,2-Tetrachloroethane- | 12.36 | 84  | 78492  | 4.67  | ug/L | 0.00 |
| 64) 1,2-Dichlorobenzene-d4     | 13.52 | 152 | 137460 | 4.37  | ug/L | 0.00 |

#### Target Compounds

|                                |      |     |         |             | Qvalue |
|--------------------------------|------|-----|---------|-------------|--------|
| 2) Dichlorodifluoromethane     | 1.83 | 85  | 200340  | 4.980 ug/L  | 100    |
| 3) Chloromethane               | 2.01 | 50  | 308883  | 4.835 ug/L  | 96     |
| 5) Vinyl chloride              | 2.17 | 62  | 301488  | 4.737 ug/L  | 97     |
| 6) Bromomethane                | 2.52 | 94  | 204418  | 4.863 ug/L  | 99     |
| 8) Chloroethane                | 2.66 | 64  | 193224  | 4.900 ug/L  | 99     |
| 9) Trichlorofluoromethane      | 2.93 | 101 | 431593m | 4.698 ug/L  |        |
| 10) 1,1,2-Trichloro-1,2,2-trif | 3.67 | 101 | 238282  | 4.350 ug/L  | 100    |
| 12) 1,1-Dichloroethene         | 3.63 | 96  | 279354  | 4.797 ug/L  | 84     |
| 13) Acetone                    | 3.69 | 43  | 207029  | 46.539 ug/L | 97     |
| 14) Carbon disulfide           | 3.93 | 76  | 805947  | 5.293 ug/L  | 98     |
| 15) Methyl Acetate             | 4.18 | 43  | 52583   | 4.525 ug/L  | 95     |
| 16) Methylene chloride         | 4.40 | 84  | 235691  | 4.463 ug/L  | 98     |
| 17) Methyl tert-butyl Ether    | 4.89 | 73  | 230566  | 4.361 ug/L  | 99     |
| 18) trans-1,2-Dichloroethene   | 4.89 | 96  | 209443  | 4.755 ug/L  | 95     |
| 19) 1,1-Dichloroethane         | 5.69 | 63  | 393373  | 4.757 ug/L  | 99     |
| 21) 2-Butanone                 | 6.69 | 43  | 239554  | 46.679 ug/L | 99     |
| 22) cis-1,2-Dichloroethene     | 6.67 | 96  | 200291  | 4.807 ug/L  | 95     |
| 23) Bromochloromethane         | 7.04 | 128 | 57082   | 4.884 ug/L  | 92     |
| 25) Chloroform                 | 7.23 | 83  | 388526  | 4.814 ug/L  | 97     |
| 27) 1,2-Dichloroethane         | 7.99 | 62  | 179227  | 4.537 ug/L  | 98     |
| 29) 1,1,1-Trichloroethane      | 7.43 | 97  | 333332  | 4.725 ug/L  | 99     |
| 30) Cyclohexane                | 7.51 | 56  | 336619  | 4.753 ug/L  | 98     |
| 31) Carbon tetrachloride       | 7.63 | 117 | 299903  | 4.675 ug/L  | 97     |
| 33) Benzene                    | 7.90 | 78  | 939814  | 4.851 ug/L  | 100    |
| 34) Trichloroethene            | 8.71 | 95  | 234488  | 4.729 ug/L  | 97     |
| 35) Methylcyclohexane          | 8.95 | 83  | 335054  | 4.539 ug/L  | 99     |
| 37) 1,2-Dichloropropane        | 8.99 | 63  | 191431  | 4.683 ug/L  | 100    |
| 38) Bromodichloromethane       | 9.28 | 83  | 214967  | 4.890 ug/L  | 98     |
| 39) cis-1,3-Dichloropropene    | 9.72 | 75  | 223999  | 4.788 ug/L  | 95     |
| 40) 4-Methyl-2-pentanone       | 9.86 | 43  | 591222  | 47.364 ug/L | 99     |

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| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 42) Toluene                    | 10.03 | 91   | 1003136  | 4.906  | ug/L   | 99       |
| 44) trans-1,3-Dichloropropene  | 10.26 | 75   | 151355   | 4.631  | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane      | 10.44 | 97   | 81049    | 4.701  | ug/L   | 99       |
| 47) Tetrachloroethene          | 10.51 | 164  | 160357   | 4.529  | ug/L   | 94       |
| 48) 2-Hexanone                 | 10.63 | 43   | 391951   | 48.076 | ug/L   | 99       |
| 49) Dibromochloromethane       | 10.79 | 129  | 94419    | 4.866  | ug/L   | 100      |
| 50) 1,2-Dibromoethane          | 10.89 | 107  | 71778    | 4.819  | ug/L # | 85       |
| 51) Chlorobenzene              | 11.32 | 112  | 529774   | 4.680  | ug/L   | 100      |
| 52) Ethylbenzene               | 11.39 | 91   | 1151037  | 4.895  | ug/L   | 99       |
| 53) m,p-Xylene                 | 11.50 | 106  | 418025   | 4.880  | ug/L   | 92       |
| 54) o-Xylene                   | 11.83 | 106  | 380658   | 4.847  | ug/L   | 97       |
| 55) Styrene                    | 11.84 | 104  | 590962   | 4.889  | ug/L   | 96       |
| 56) Isopropylbenzene           | 12.13 | 105  | 1082148  | 4.961  | ug/L   | 99       |
| 58) 1,1,2,2-Tetrachloroethane  | 12.39 | 83   | 79177    | 4.519  | ug/L   | 92       |
| 59) 1,2,3-Trichloropropane     | 12.43 | 75   | 57367    | 4.459  | ug/L   | 97       |
| 61) Bromoform                  | 12.01 | 173  | 33477    | 4.843  | ug/L   | 99       |
| 62) 1,3-Dichlorobenzene        | 13.16 | 146  | 301220   | 4.560  | ug/L   | 98       |
| 63) 1,4-Dichlorobenzene        | 13.24 | 146  | 311146   | 4.548  | ug/L   | 93       |
| 65) 1,2-Dichlorobenzene        | 13.53 | 146  | 243397   | 4.591  | ug/L   | 100      |
| 66) 1,2-Dibromo-3-chloropropan | 14.14 | 75   | 8796     | 4.072  | ug/L # | 70       |
| 67) 1,3,5-Trichlorobenzene     | 14.29 | 180  | 184067   | 4.573  | ug/L   | 98       |
| 68) 1,2,4-trichlorobenzene     | 14.79 | 180  | 104710   | 4.457  | ug/L   | 98       |
| 69) Naphthalene                | 15.00 | 128  | 115467   | 5.061  | ug/L   | 97       |
| 70) 1,2,3-Trichlorobenzene     | 15.18 | 180  | 74305    | 4.554  | ug/L   | 98       |

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

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