

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_W\DATA\VW022020\  
Quantitation Report (Qedit)

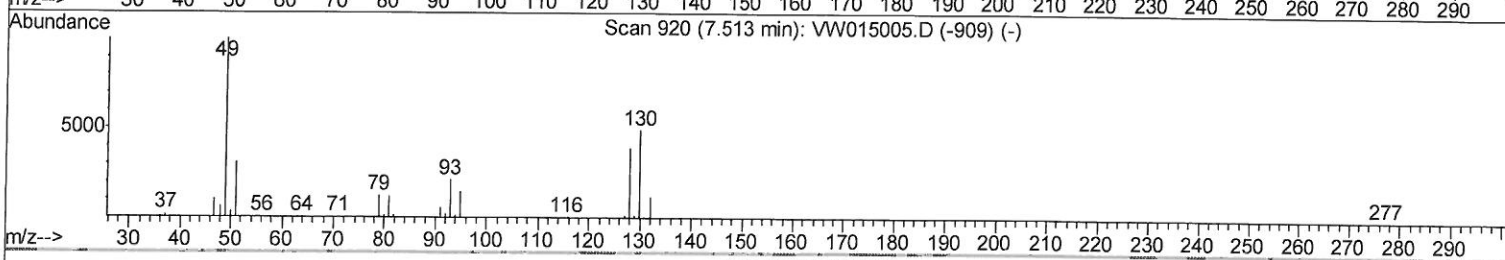
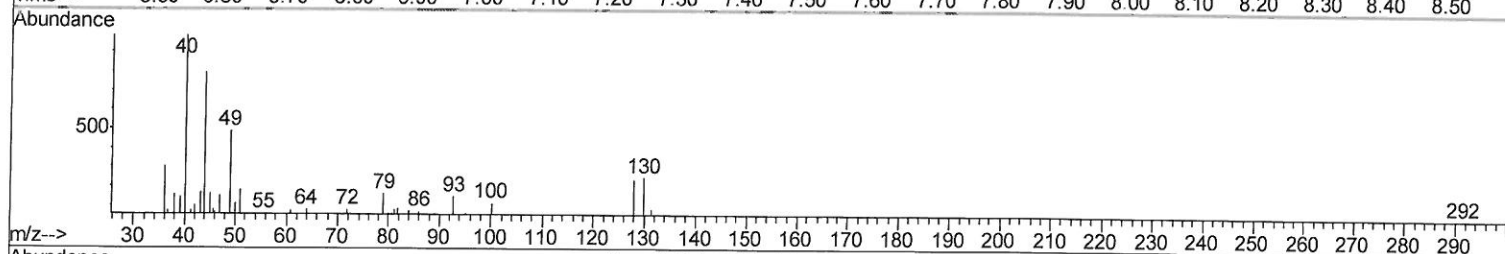
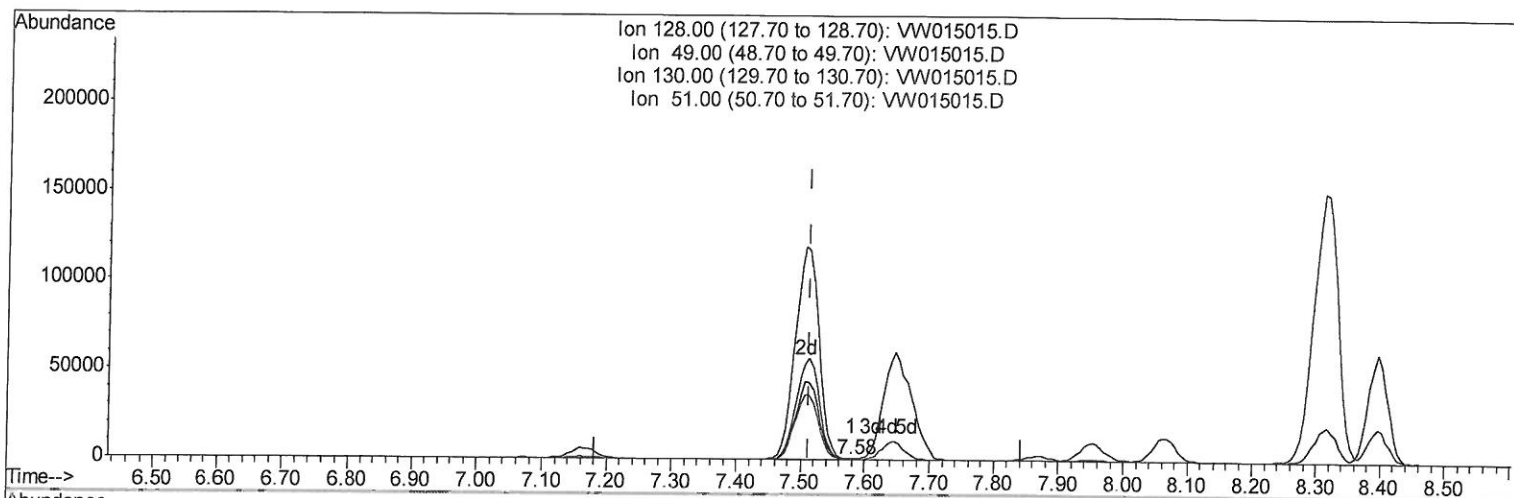
Data File : VW015015.D  
Acq On : 20 Feb 2020 13:01  
Operator : SY/VA  
Sample : VSTDCCC025  
Misc : 5.00G/10ML/MSVOA\_W/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_W  
LabSampleId :  
VSTD02525

Manual Integrations  
APPROVED

MMDadoda  
2/21/2020 3:21:41 PM

Quant Time: Feb 21 01:55:07 2020  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM020520S.M  
Quant Title : VOC Analysis  
QLast Update : Thu Feb 20 15:58:27 2020  
Response via : Initial Calibration



TIC: VW015015.D

(23) Bromochloromethane (T)

7.580min (+0.067) 0.06ug/L

response 302

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 128.00 | 100    | 100    |
| 49.00  | 208.60 | 204.64 |
| 130.00 | 129.90 | 105.49 |
| 51.00  | 64.80  | 77.64  |

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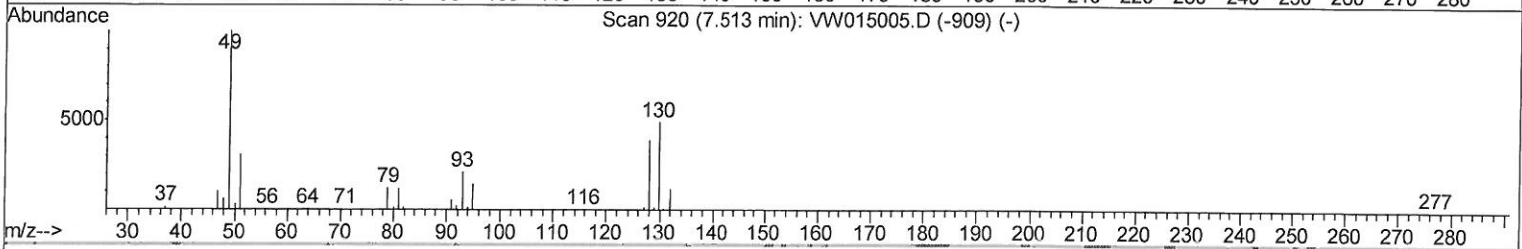
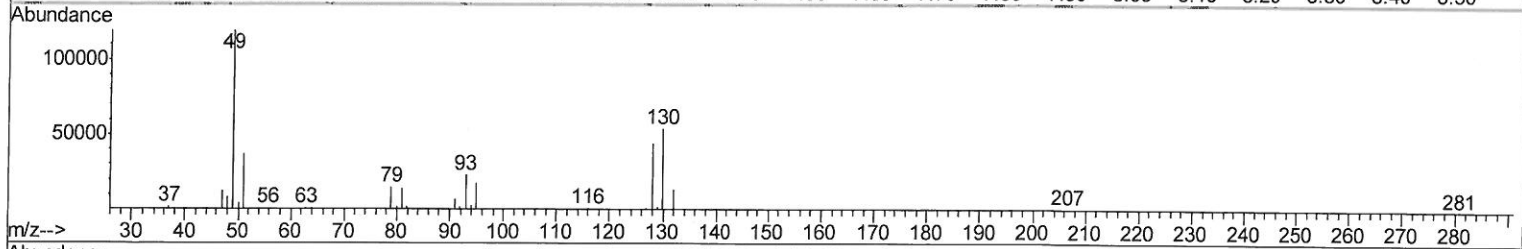
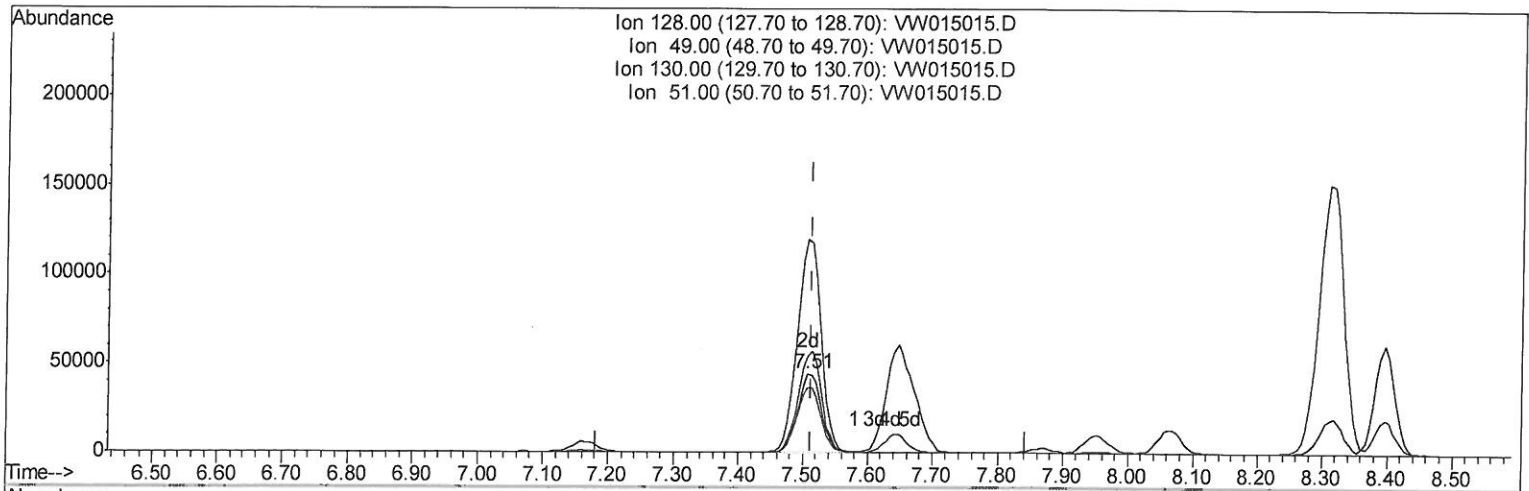
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Response via : Initial Calibration



TIC: VW015015.D

(23) Bromochloromethane (T)

7.506min (-0.006) 22.79ug/L m

response 111313

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 128.00 | 100    | 100    |
| 49.00  | 208.60 | 270.59 |
| 130.00 | 129.90 | 122.17 |
| 51.00  | 64.80  | 82.93# |

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Instrument :  
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 LabSampleId :  
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Manual Integrations  
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Quant Time: Feb 21 01:56:26 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_W\METHOD\SOM2WLM020520S.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Feb 20 15:58:27 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.84  | 114  | 765779   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.63 | 117  | 705894   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.56 | 152  | 323778   | 25.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |          |       |          |       |         |      |
|--------------------------------|----------|-------|----------|-------|---------|------|
| 4) Vinyl Chloride-d3           | 2.35     | 65    | 283645   | 22.37 | ug/L    | 0.00 |
| Spiked Amount 25.000           | Range 30 | - 150 | Recovery | =     | 89.48%  |      |
| 7) Chloroethane-d5             | 2.89     | 69    | 250125   | 24.64 | ug/L    | 0.00 |
| Spiked Amount 25.000           | Range 30 | - 150 | Recovery | =     | 98.56%  |      |
| 10) 1,1-Dichloroethene-d2      | 4.02     | 63    | 579115   | 25.00 | ug/L    | 0.00 |
| Spiked Amount 25.000           | Range 45 | - 110 | Recovery | =     | 100.00% |      |
| 20) 2-Butanone-d5              | 7.07     | 46    | 223782   | 62.90 | ug/L    | 0.00 |
| Spiked Amount 50.000           | Range 20 | - 135 | Recovery | =     | 125.80% |      |
| 24) Chloroform-d               | 7.64     | 84    | 588303   | 27.06 | ug/L    | 0.00 |
| Spiked Amount 25.000           | Range 40 | - 150 | Recovery | =     | 108.24% |      |
| 26) 1,2-Dichloroethane-d4      | 8.30     | 65    | 349990   | 29.09 | ug/L    | 0.00 |
| Spiked Amount 25.000           | Range 70 | - 130 | Recovery | =     | 116.36% |      |
| 29) Benzene-d6                 | 8.27     | 84    | 1124070  | 24.76 | ug/L    | 0.00 |
| Spiked Amount 25.000           | Range 20 | - 135 | Recovery | =     | 99.04%  |      |
| 33) 1,2-Dichloropropane-d6     | 9.27     | 67    | 396237   | 26.79 | ug/L    | 0.00 |
| Spiked Amount 25.000           | Range 70 | - 120 | Recovery | =     | 107.16% |      |
| 37) Toluene-d8                 | 10.32    | 98    | 963377   | 24.11 | ug/L    | 0.00 |
| Spiked Amount 25.000           | Range 30 | - 130 | Recovery | =     | 96.44%  |      |
| 38) trans-1,3-Dichloropropene- | 10.57    | 79    | 152246   | 26.06 | ug/L    | 0.00 |
| Spiked Amount 25.000           | Range 30 | - 135 | Recovery | =     | 104.24% |      |
| 39) 2-Hexanone-d5              | 10.92    | 63    | 159489   | 59.15 | ug/L    | 0.00 |
| Spiked Amount 50.000           | Range 20 | - 135 | Recovery | =     | 118.30% |      |
| 48) 1,1,2,2-Tetrachloroethane- | 12.69    | 84    | 314558   | 28.24 | ug/L    | 0.00 |
| Spiked Amount 25.000           | Range 45 | - 120 | Recovery | =     | 112.96% |      |
| 61) 1,2-Dichlorobenzene-d4     | 13.85    | 152   | 284327   | 22.65 | ug/L    | 0.00 |
| Spiked Amount 25.000           | Range 75 | - 120 | Recovery | =     | 90.60%  |      |

#### Target Compounds

|                                |      |     |        |             | Qvalue |
|--------------------------------|------|-----|--------|-------------|--------|
| 2) Dichlorodifluoromethane     | 2.01 | 85  | 143636 | 18.245 ug/L | 85     |
| 3) Chloromethane               | 2.21 | 50  | 285713 | 23.950 ug/L | 99     |
| 5) Vinyl chloride              | 2.36 | 62  | 383012 | 24.589 ug/L | 100    |
| 6) Bromomethane                | 2.78 | 94  | 168236 | 21.600 ug/L | 99     |
| 8) Chloroethane                | 2.92 | 64  | 214699 | 25.192 ug/L | 99     |
| 9) Trichlorofluoromethane      | 3.26 | 101 | 174947 | 27.785 ug/L | 98     |
| 11) 1,1,2-Trichloro-1,2,2-trif | 4.07 | 101 | 269173 | 24.217 ug/L | 92     |
| 12) 1,1-Dichloroethene         | 4.04 | 96  | 251392 | 23.142 ug/L | 89     |
| 13) Acetone                    | 4.12 | 43  | 193120 | 52.587 ug/L | 97     |
| 14) Carbon disulfide           | 4.38 | 76  | 776314 | 23.801 ug/L | 100    |
| 15) Methyl Acetate             | 4.67 | 43  | 188144 | 31.133 ug/L | 95     |
| 16) Methylene chloride         | 4.91 | 84  | 311181 | 22.305 ug/L | 85     |
| 17) Methyl tert-butyl Ether    | 5.43 | 73  | 376854 | 26.555 ug/L | 97     |
| 18) trans-1,2-Dichloroethene   | 5.42 | 96  | 258383 | 23.476 ug/L | 84     |
| 19) 1,1-Dichloroethane         | 6.21 | 63  | 615769 | 27.615 ug/L | 99     |
| 21) 2-Butanone                 | 7.16 | 43  | 259589 | 60.374 ug/L | 94     |
| 22) cis-1,2-Dichloroethene     | 7.16 | 96  | 283983 | 23.855 ug/L | 86     |

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Quant Title : VOC Analysis  
QLast Update : Thu Feb 20 15:58:27 2020  
Response via : Initial Calibration

| Internal Standards             | R.T.  | QIon | Response | Conc   | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|--------|--------|----------|
| 23) Bromochloromethane         | 7.51  | 128  | 111313m7 | 22.790 | ug/L   | 99       |
| 25) Chloroform                 | 7.67  | 83   | 553331   | 27.015 | ug/L   | 99       |
| 27) 1,2-Dichloroethane         | 8.40  | 62   | 409245   | 28.980 | ug/L   | 96       |
| 30) Cyclohexane                | 7.95  | 56   | 548801   | 26.093 | ug/L   | 92       |
| 31) 1,1,1-Trichloroethane      | 7.87  | 97   | 414904   | 25.778 | ug/L   | 96       |
| 32) Carbon tetrachloride       | 8.07  | 117  | 364358   | 25.183 | ug/L   | 100      |
| 34) Benzene                    | 8.32  | 78   | 1240019  | 25.546 | ug/L   | 100      |
| 35) Trichloroethene            | 9.09  | 95   | 284138   | 23.615 | ug/L   | 95       |
| 36) Methylcyclohexane          | 9.34  | 83   | 501015   | 23.904 | ug/L   | 92       |
| 40) 1,2-Dichloropropane        | 9.37  | 63   | 356132   | 27.416 | ug/L   | 99       |
| 41) Bromodichloromethane       | 9.64  | 83   | 397690   | 26.714 | ug/L   | 98       |
| 42) cis-1,3-Dichloropropene    | 10.07 | 75   | 489437   | 26.534 | ug/L   | 98       |
| 43) 4-Methyl-2-pentanone       | 10.21 | 43   | 525887   | 61.741 | ug/L # | 93       |
| 44) Toluene                    | 10.38 | 91   | 1231947  | 25.000 | ug/L   | 98       |
| 45) trans-1,3-Dichloropropene  | 10.60 | 75   | 406198   | 27.346 | ug/L   | 100      |
| 46) 1,1,2-Trichloroethane      | 10.79 | 97   | 215288   | 25.176 | ug/L   | 95       |
| 47) Tetrachloroethene          | 10.86 | 164  | 182649   | 20.659 | ug/L   | 96       |
| 49) 2-Hexanone                 | 10.96 | 43   | 380084   | 63.528 | ug/L # | 93       |
| 50) Dibromochloromethane       | 11.13 | 129  | 223488   | 24.317 | ug/L   | 99       |
| 51) 1,2-Dibromoethane          | 11.23 | 107  | 190149   | 23.899 | ug/L   | 99       |
| 52) Chlorobenzene              | 11.65 | 112  | 699678   | 23.223 | ug/L   | 92       |
| 53) Ethylbenzene               | 11.73 | 91   | 1376493  | 25.533 | ug/L   | 97       |
| 54) m,p-Xylene                 | 11.84 | 106  | 481661   | 24.460 | ug/L   | 96       |
| 55) o-xylene                   | 12.16 | 106  | 449609   | 23.991 | ug/L   | 89       |
| 56) Styrene                    | 12.18 | 104  | 801529   | 25.305 | ug/L   | 92       |
| 57) Isopropylbenzene           | 12.46 | 105  | 1261295  | 25.060 | ug/L   | 97       |
| 58) 1,1,2,2-Tetrachloroethane  | 12.71 | 83   | 290471   | 27.214 | ug/L   | 97       |
| 59) 1,2,3-Trichloropropane     | 12.77 | 75   | 218404   | 27.198 | ug/L   | 100      |
| 62) Bromoform                  | 12.35 | 173  | 113115   | 22.918 | ug/L   | 99       |
| 63) 1,3-Dichlorobenzene        | 13.50 | 146  | 492698   | 22.527 | ug/L   | 95       |
| 64) 1,4-Dichlorobenzene        | 13.58 | 146  | 505702   | 22.954 | ug/L   | 98       |
| 65) 1,2-Dichlorobenzene        | 13.87 | 146  | 459583   | 22.974 | ug/L   | 98       |
| 66) 1,2-Dibromo-3-chloropropan | 14.48 | 75   | 46565    | 27.300 | ug/L # | 83       |
| 67) 1,3,5-Trichlorobenzene     | 14.63 | 180  | 341673   | 21.813 | ug/L   | 98       |
| 68) 1,2,4-trichlorobenzene     | 15.13 | 180  | 269194   | 21.751 | ug/L   | 98       |
| 69) Naphthalene                | 15.36 | 128  | 582988   | 23.948 | ug/L   | 99       |
| 70) 1,2,3-Trichlorobenzene     | 15.55 | 180  | 250495   | 21.920 | ug/L   | 99       |

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

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