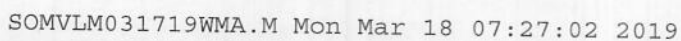


Data File : VV009728.D  
Acq On : 16 Mar 2019 14:24  
Operator : SY/MD  
Sample : VSTD00562  
Misc : 5.0mL/MSVOA\_V/WATER  
ALS Vial : 2 Sample Multiplier: 1

**Instrument :**  
MSVOA\_V  
**ClientSampleId :**  
VSTD00562

MMDadoda  
3/18/2019 9:25:24 AM



Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_V\DATA\VV031719\  
Quantitation Report (Qedit)

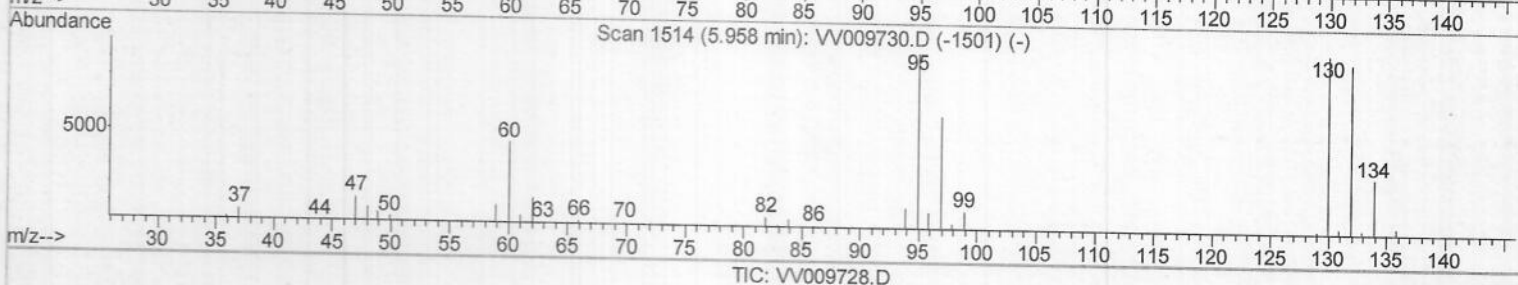
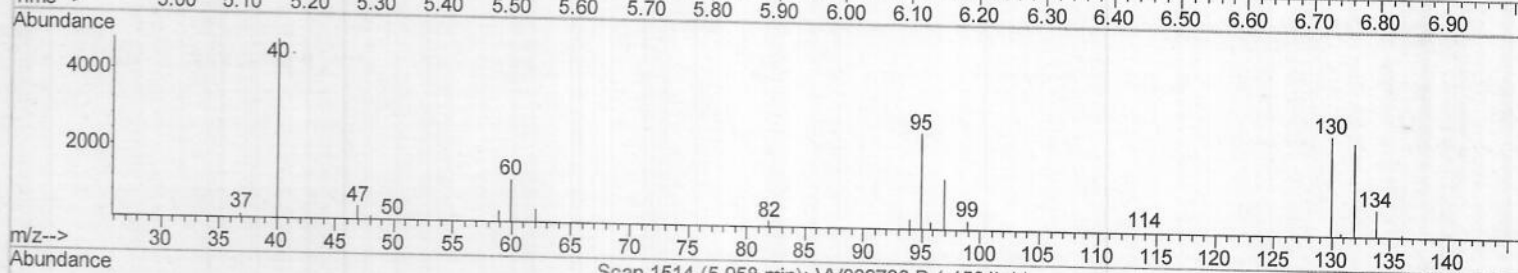
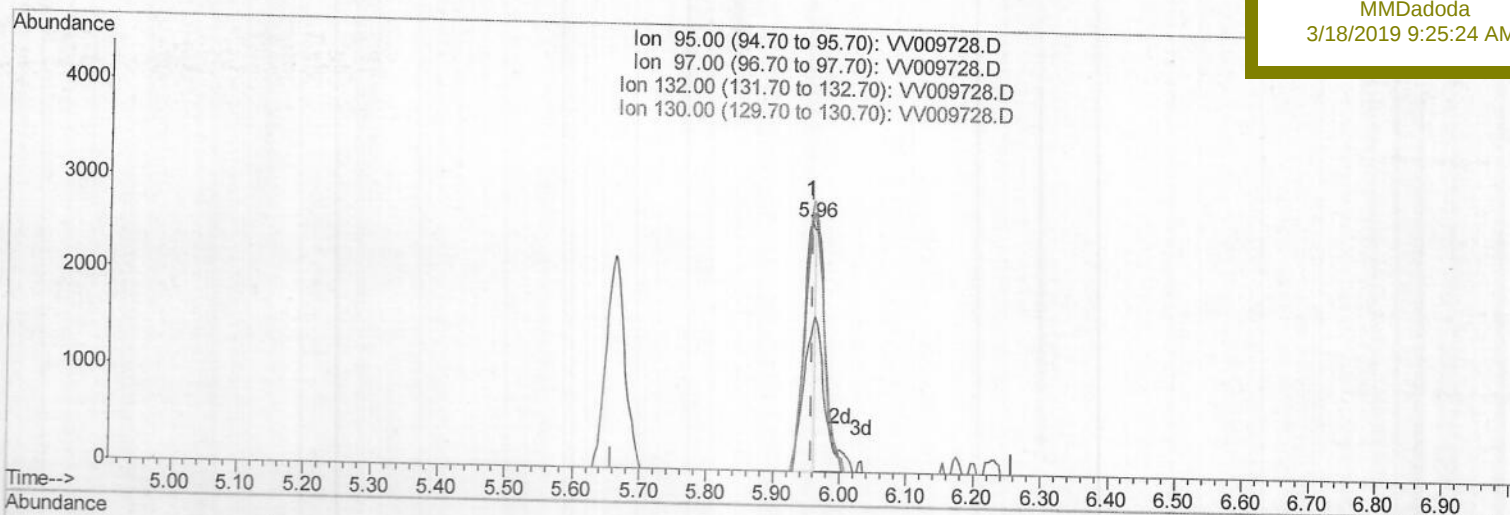
Data File : VV009728.D  
Acq On : 16 Mar 2019 14:24  
Operator : SY/MD  
Sample : VSTD00562  
Misc : 5.0mL/MSVOA\_V/WATER  
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 18 07:23:04 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM031719WMA.M  
Quant Title : VOC Analysis  
QLast Update : Mon Mar 18 07:20:32 2019  
Response via : Initial Calibration

Instrument :  
MSVOA\_V  
Client Sampled :  
VSTD00562

Manual Integrations  
APPROVED

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3/18/2019 9:25:24 AM



TIC: VV009728.D

(34) Trichloroethene (T)

5.955min (-0.003) 3.20ug/L

response 3180

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 95.00  | 100    | 100    |
| 97.00  | 64.50  | 54.53  |
| 132.00 | 97.10  | 97.54  |
| 130.00 | 101.80 | 103.30 |

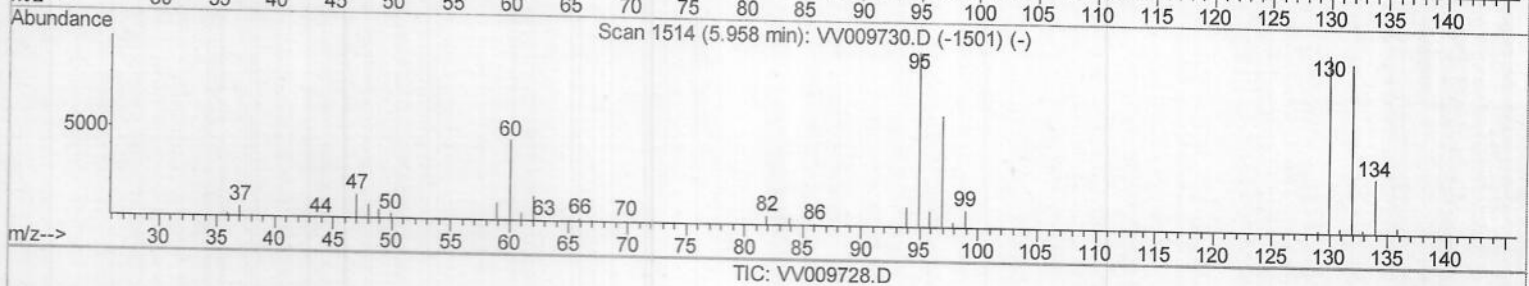
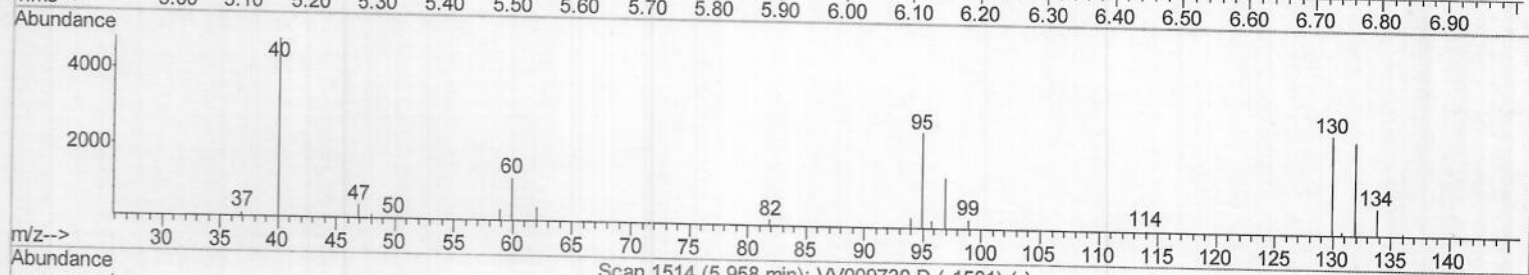
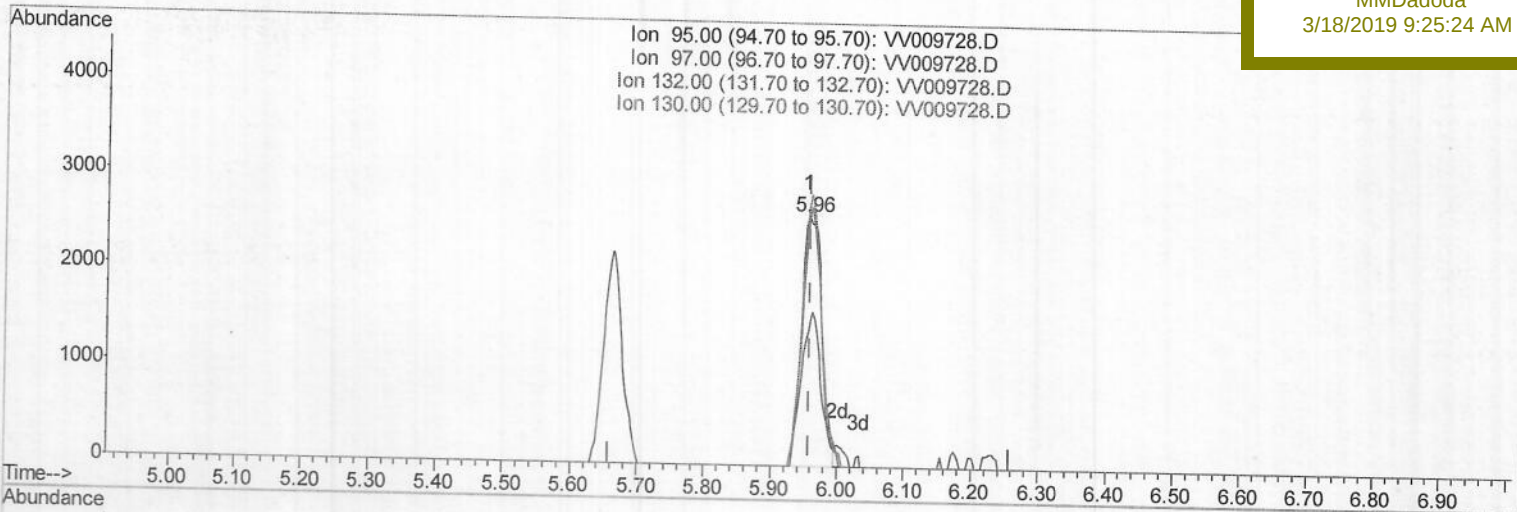
Data File : VV009728.D  
Acq On : 16 Mar 2019 14:24  
Operator : SY/MD  
Sample : VSTD00562  
Misc : 5.0mL/MSVOA\_V/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
Client Sample Id :  
VSTD00562

Manual Integrations  
APPROVED

MMDadoda  
3/18/2019 9:25:24 AM

Quant Time: Mar 18 07:23:04 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM031719WMA.M  
Quant Title : VOC Analysis  
QLast Update : Mon Mar 18 07:20:32 2019  
Response via : Initial Calibration



(34) Trichloroethene (T)

5.955min (-0.003) 5.48ug/L m

response 5456

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 95.00  | 100    | 100    |
| 97.00  | 64.50  | 54.53  |
| 132.00 | 97.10  | 97.54  |
| 130.00 | 101.80 | 103.30 |

*m.d*  
*03/20/19*

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_V\DATA\VV031719\

## Quantitation Report (QT Reviewed)

Data File : VV009728.D

Acq On : 16 Mar 2019 14:24

Operator : SY/MD

Sample : VSTD00562

Misc : 5.0mL/MSVOA\_V/WATER

ALS Vial : 2 Sample Multiplier: 1

Instrument :

MSVOA\_V

Client Sampled :

VSTD00562

Quant Time: Mar 18 07:28:02 2019

Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM031719WMA.M

Quant Title : VOC Analysis

QLast Update : Mon Mar 18 07:20:32 2019

Response via : Initial Calibration

Manual Integrations  
APPROVEDMMDadoda  
3/18/2019 9:25:24 AM

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 155406   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 145355   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 57029    | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |       |     |       |      |      |      |
|--------------------------------|-------|-----|-------|------|------|------|
| 4) Vinyl Chloride-d3           | 1.32  | 65  | 5283  | 5.68 | ug/L | 0.00 |
| 7) Chloroethane-d5             | 1.56  | 69  | 4243  | 4.76 | ug/L | 0.00 |
| 11) 1,1-Dichloroethene-d2      | 2.13  | 63  | 11579 | 4.91 | ug/L | 0.00 |
| 21) 2-Butanone-d5              | 3.94  | 46  | 5245  | 7.90 | ug/L | 0.00 |
| 24) Chloroform-d               | 4.40  | 84  | 9627  | 4.91 | ug/L | 0.00 |
| 26) 1,2-Dichloroethane-d4      | 5.08  | 65  | 5866  | 4.60 | ug/L | 0.00 |
| 32) Benzene-d6                 | 5.10  | 84  | 19166 | 5.12 | ug/L | 0.00 |
| 36) 1,2-Dichloropropane-d6     | 6.12  | 67  | 5946  | 5.34 | ug/L | 0.00 |
| 41) Toluene-d8                 | 7.36  | 98  | 18206 | 4.98 | ug/L | 0.00 |
| 43) trans-1,3-Dichloropropene- | 7.66  | 79  | 2526  | 4.44 | ug/L | 0.00 |
| 47) 2-Hexanone-d5              | 8.13  | 63  | 4299  | 8.87 | ug/L | 0.00 |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26 | 84  | 8528  | 4.82 | ug/L | 0.00 |
| 64) 1,2-Dichlorobenzene-d4     | 11.68 | 152 | 6346  | 5.39 | ug/L | 0.00 |

## Target Compounds

|                                |      |     |       |        |      | Qvalue |
|--------------------------------|------|-----|-------|--------|------|--------|
| 2) Dichlorodifluoromethane     | 1.14 | 85  | 6394  | 6.227  | ug/L | 97     |
| 3) Chloromethane               | 1.25 | 50  | 5891  | 6.068  | ug/L | 98     |
| 5) Vinyl chloride              | 1.32 | 62  | 5860  | 5.651  | ug/L | 95     |
| 6) Bromomethane                | 1.51 | 94  | 3459  | 4.298  | ug/L | 95     |
| 8) Chloroethane                | 1.58 | 64  | 4068  | 5.338  | ug/L | # 82   |
| 9) Trichlorofluoromethane      | 1.76 | 101 | 10197 | 4.903  | ug/L | 99     |
| 10) 1,1,2-Trichloro-1,2,2-trif | 2.13 | 101 | 5981  | 5.178  | ug/L | 96     |
| 12) 1,1-Dichloroethene         | 2.13 | 96  | 5030  | 5.085  | ug/L | 88     |
| 13) Acetone                    | 2.19 | 43  | 5820  | 8.137  | ug/L | 96     |
| 14) Carbon disulfide           | 2.31 | 76  | 13568 | 5.300  | ug/L | 98     |
| 15) Methyl Acetate             | 2.46 | 43  | 5386  | 5.723  | ug/L | 93     |
| 16) Methylene chloride         | 2.53 | 84  | 5598  | 5.564  | ug/L | 96     |
| 17) trans-1,2-Dichloroethene   | 2.79 | 96  | 5057  | 5.367  | ug/L | 93     |
| 18) Methyl tert-butyl Ether    | 2.80 | 73  | 15687 | 5.231  | ug/L | # 91   |
| 19) 1,1-Dichloroethane         | 3.23 | 63  | 9026  | 5.267  | ug/L | 99     |
| 20) cis-1,2-Dichloroethene     | 3.96 | 96  | 5451  | 4.989  | ug/L | 70     |
| 22) 2-Butanone                 | 4.03 | 43  | 7238  | 9.298  | ug/L | 88     |
| 23) Bromochloromethane         | 4.30 | 128 | 3006  | 5.475  | ug/L | # 94   |
| 25) Chloroform                 | 4.43 | 83  | 9885  | 5.145  | ug/L | 97     |
| 27) 1,2-Dichloroethane         | 5.18 | 62  | 7097  | 4.788  | ug/L | 95     |
| 29) Cyclohexane                | 4.72 | 56  | 8411  | 5.815  | ug/L | 97     |
| 30) 1,1,1-Trichloroethane      | 4.66 | 97  | 8177  | 5.303  | ug/L | 95     |
| 31) Carbon tetrachloride       | 4.87 | 117 | 6299  | 4.858  | ug/L | 98     |
| 33) Benzene                    | 5.15 | 78  | 21505 | 5.779  | ug/L | 100    |
| 34) Trichloroethene            | 5.96 | 95  | 5456m | 5.483  | ug/L |        |
| 35) Methylcyclohexane          | 6.17 | 83  | 8939  | 5.506  | ug/L | 92     |
| 37) 1,2-Dichloropropane        | 6.22 | 63  | 5390  | 5.662  | ug/L | # 93   |
| 38) Bromodichloromethane       | 6.55 | 83  | 6386  | 4.819  | ug/L | 90     |
| 39) cis-1,3-Dichloropropene    | 7.07 | 75  | 7601  | 5.050  | ug/L | 99     |
| 40) 4-Methyl-2-pentanone       | 7.27 | 43  | 12986 | 10.223 | ug/L | # 91   |

m. 2  
03/20/19

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_V\DATA\VV031719\  
Quantitation Report (QT Reviewed)

Data File : VV009728.D  
Acq On : 16 Mar 2019 14:24  
Operator : SY/MD  
Sample : VSTD00562  
Misc : 5.0mL/MSVOA\_V/WATER  
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Mar 18 07:28:02 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM031719WMA.M  
Quant Title : VOC Analysis  
QLast Update : Mon Mar 18 07:20:32 2019  
Response via : Initial Calibration

Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD00562

Manual Integrations  
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3/18/2019 9:25:24 AM

| Internal Standards             | R.T.  | QIon | Response | Conc  | Units  | Dev(Min) |
|--------------------------------|-------|------|----------|-------|--------|----------|
| 42) Toluene                    | 7.43  | 91   | 23147    | 5.466 | ug/L   | 98       |
| 44) trans-1,3-Dichloropropene  | 7.69  | 75   | 6990     | 4.998 | ug/L   | 98       |
| 45) 1,1,2-Trichloroethane      | 7.88  | 97   | 5574     | 5.648 | ug/L   | 96       |
| 46) Tetrachloroethene          | 8.02  | 164  | 5141     | 6.518 | ug/L   | 96       |
| 48) 2-Hexanone                 | 8.19  | 43   | 8213     | 8.206 | ug/L   | 92       |
| 49) Dibromochloromethane       | 8.29  | 129  | 5333     | 4.918 | ug/L   | 96       |
| 50) 1,2-Dibromoethane          | 8.40  | 107  | 5636     | 5.431 | ug/L # | 98       |
| 51) Chlorobenzene              | 8.92  | 112  | 15959    | 5.640 | ug/L   | 99       |
| 52) Ethylbenzene               | 9.06  | 91   | 25642    | 5.348 | ug/L   | 99       |
| 53) m,p-Xylene                 | 9.18  | 106  | 9807     | 5.335 | ug/L   | 99       |
| 54) o-Xylene                   | 9.59  | 106  | 9825     | 5.303 | ug/L   | 92       |
| 55) Styrene                    | 9.61  | 104  | 14429    | 4.829 | ug/L   | 100      |
| 56) Isopropylbenzene           | 9.98  | 105  | 24726    | 5.135 | ug/L   | 99       |
| 58) 1,1,2,2-Tetrachloroethane  | 10.29 | 83   | 9552     | 5.564 | ug/L   | 89       |
| 59) 1,2,3-Trichloropropane     | 10.32 | 75   | 6842     | 5.378 | ug/L   | 96       |
| 61) Bromoform                  | 9.78  | 173  | 3561     | 5.480 | ug/L # | 95       |
| 62) 1,3-Dichlorobenzene        | 11.23 | 146  | 10534    | 5.951 | ug/L   | 97       |
| 63) 1,4-Dichlorobenzene        | 11.32 | 146  | 10551    | 6.043 | ug/L   | 96       |
| 65) 1,2-Dichlorobenzene        | 11.69 | 146  | 10798    | 5.967 | ug/L   | 95       |
| 66) 1,2-Dibromo-3-chloropropan | 12.48 | 75   | 1315     | 4.870 | ug/L # | 82       |
| 67) 1,3,5-Trichlorobenzene     | 12.69 | 180  | 5928     | 5.158 | ug/L   | 98       |
| 68) 1,2,4-trichlorobenzene     | 13.32 | 180  | 3059     | 3.798 | ug/L   | 94       |
| 69) Naphthalene                | 13.55 | 128  | 8365     | 3.732 | ug/L # | 89       |
| 70) 1,2,3-Trichlorobenzene     | 13.80 | 180  | 2872     | 3.436 | ug/L   | 99       |

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