

(QT Reviewed)

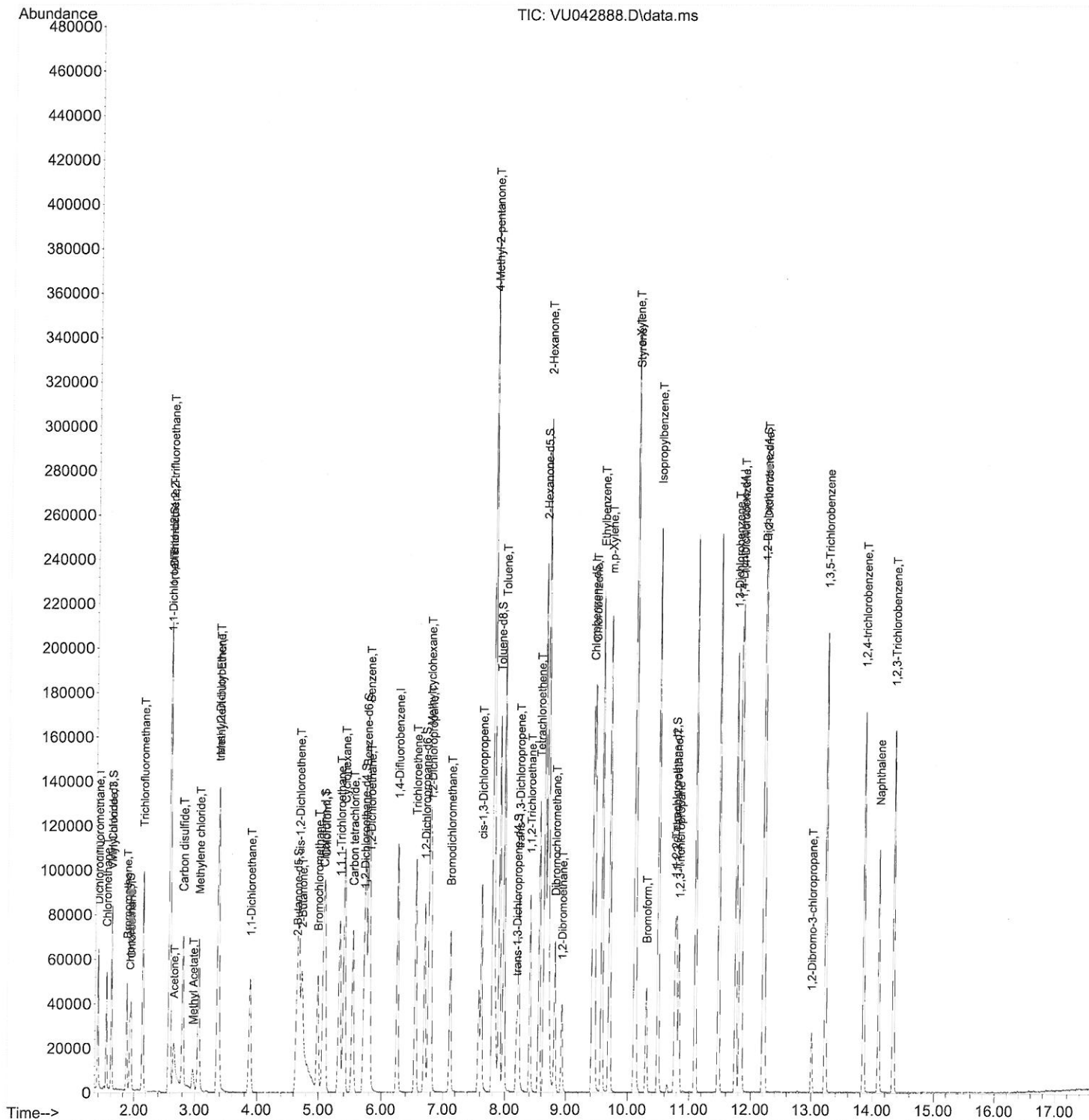
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU040121\  
Data File : VU042888.D  
Acq On : 02 Apr 2021 09:07  
Operator : SY/MD  
Sample : VSTDCCC005  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 23 Sample Multiplier: 1

**Instrument :**  
MSVOA\_U  
**LabSampleId :**  
VSTD00525

## Manual Integrations APPROVED

MMDadoda  
4/2/2021 5:44:16 PM

Quant Time: Apr 02 14:14:16 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SOMUTR040121WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Fri Apr 02 05:16:37 2021  
Response via : Initial Calibration



# Quantitation Report (Qedit)

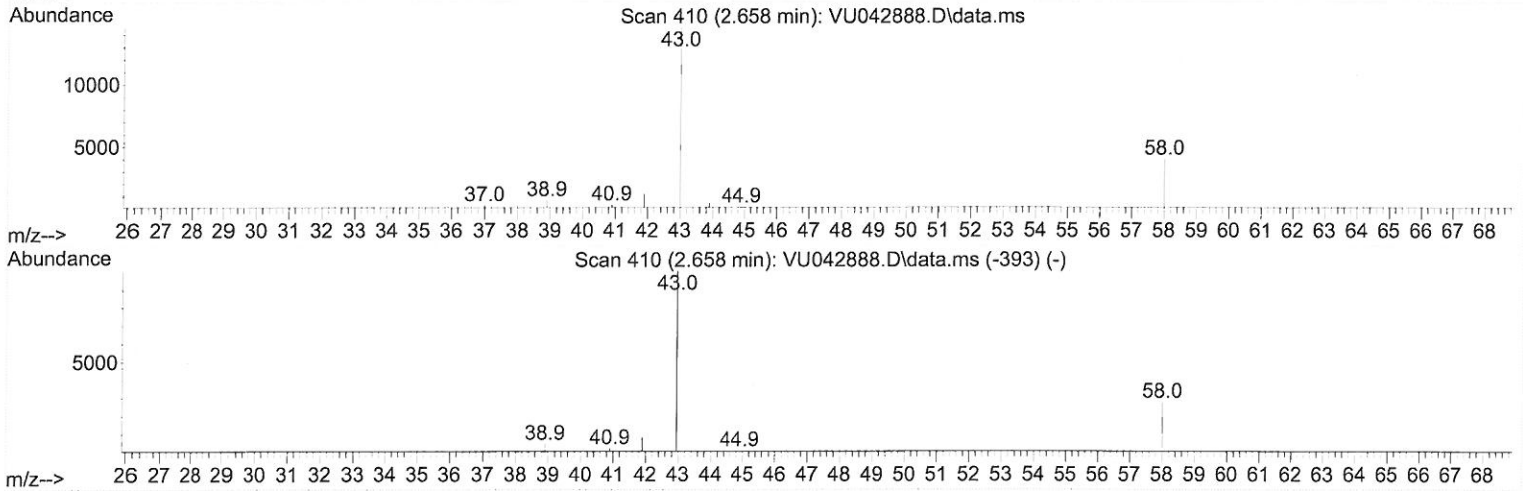
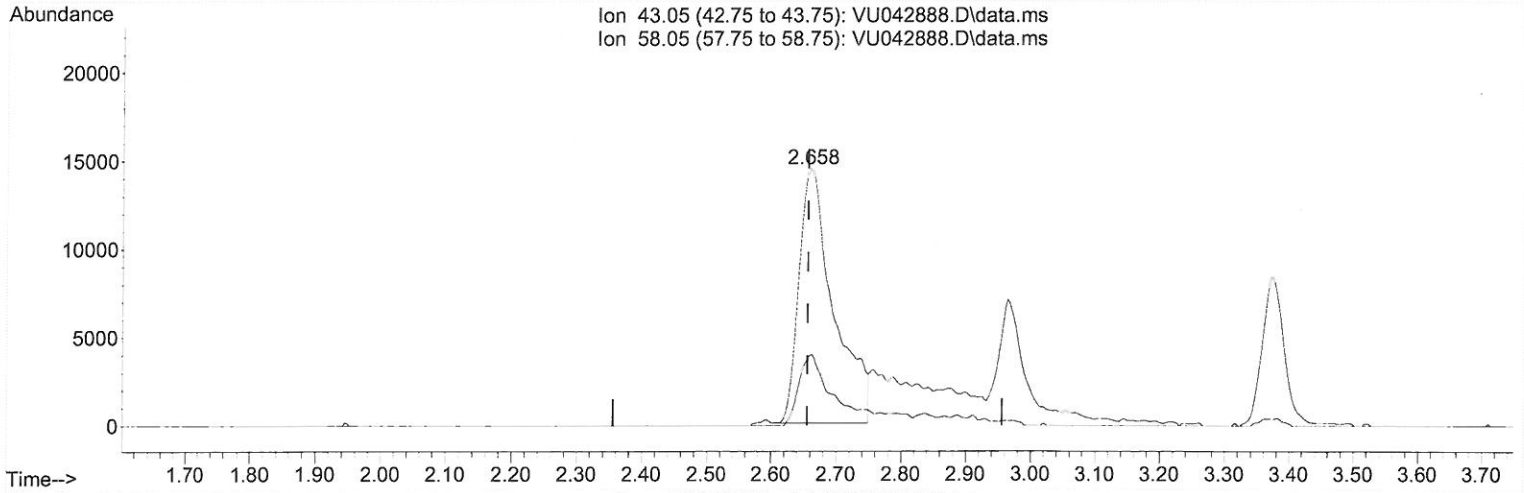
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TIC: VU042888.D\data.ms

(13) Acetone (T)

2.658min (+ 0.003) 41.16 ug/L

response 53081

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 43.05 | 100.00 | 100.00 |
| 58.05 | 27.90  | 25.20  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

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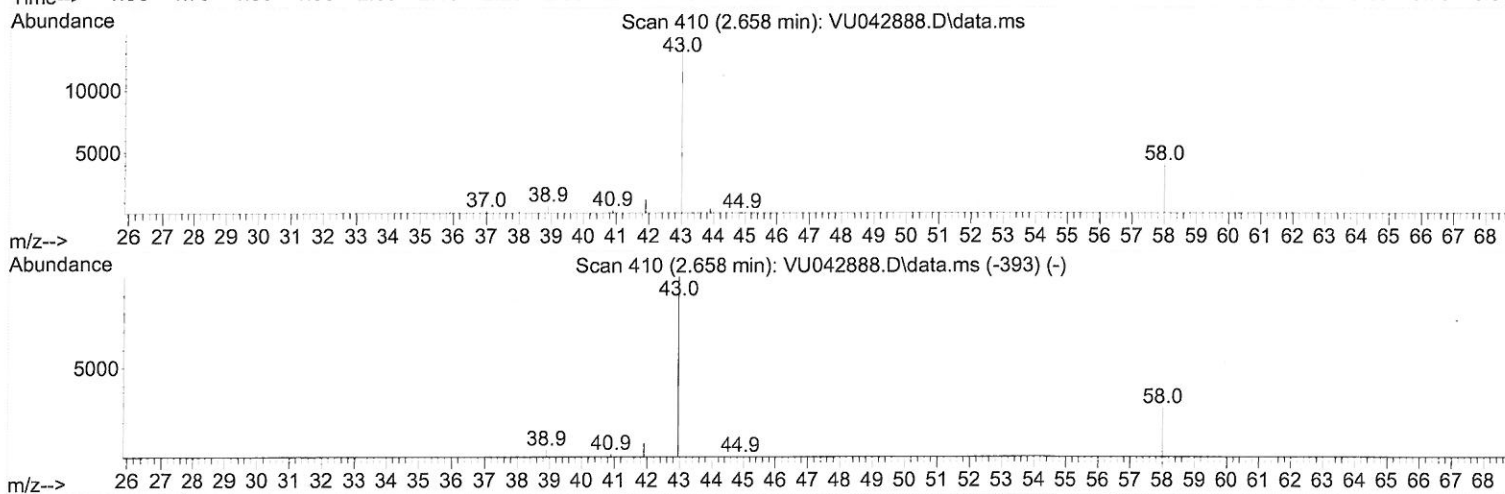
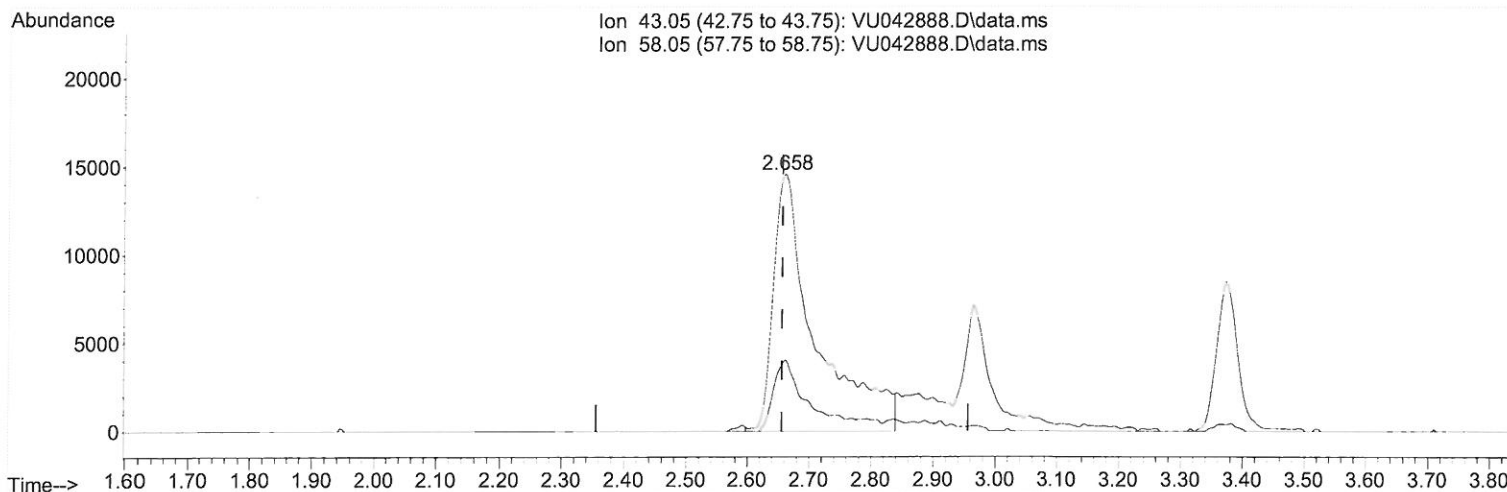
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(13) Acetone (T)

2.658min (+ 0.003) 52.93 ug/L m

response 68266

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 43.05 | 100.00 | 100.00 |
| 58.05 | 27.90  | 19.60  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

7 MD  
415121

# Quantitation Report (Qedit)

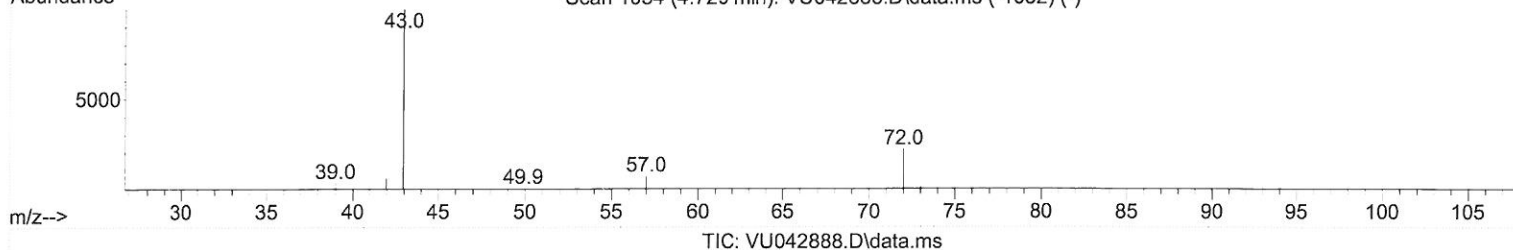
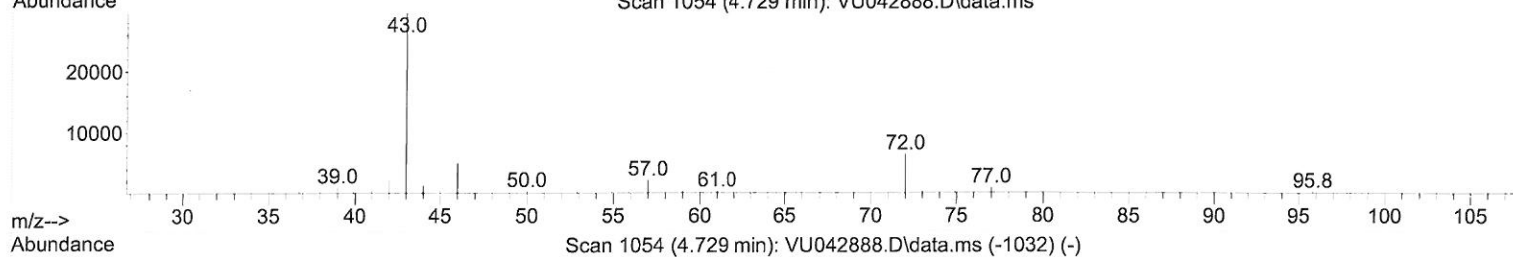
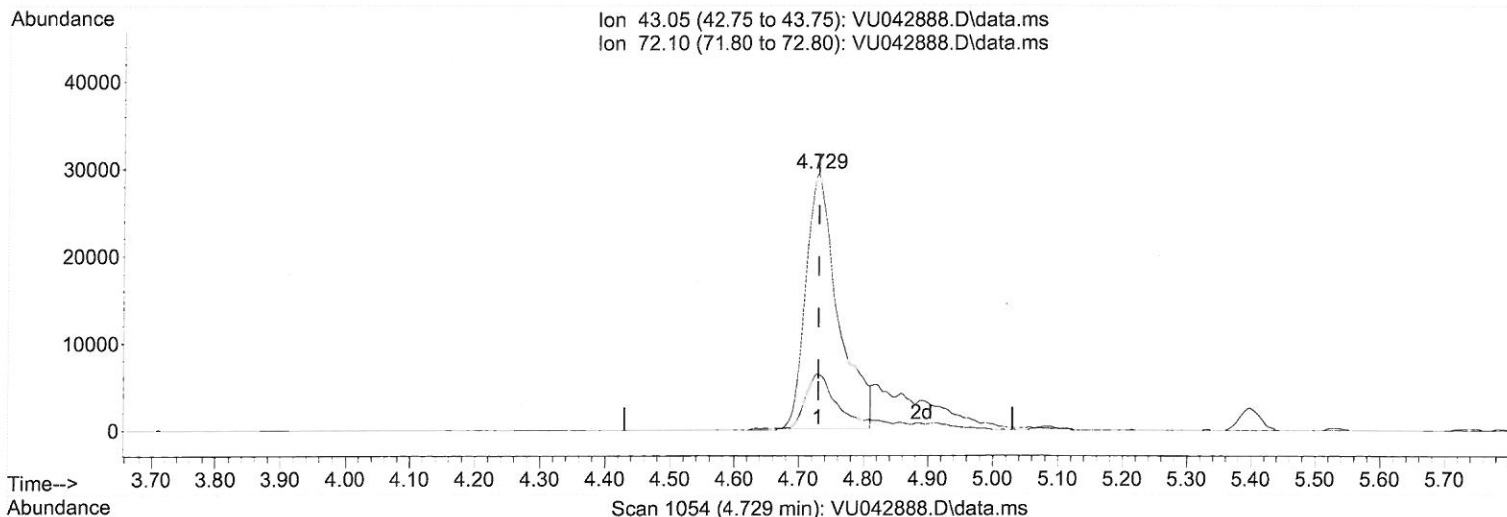
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(21) 2-Butanone (T)

4.729min (-0.000) 43.16 ug/L

response 100914

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 43.05 | 100.00 | 100.00 |
| 72.10 | 23.40  | 21.53  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

# Quantitation Report (Qedit)

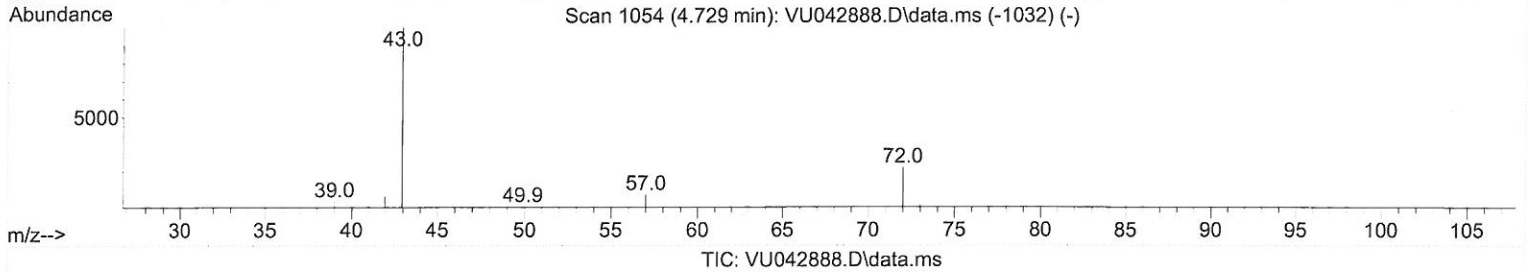
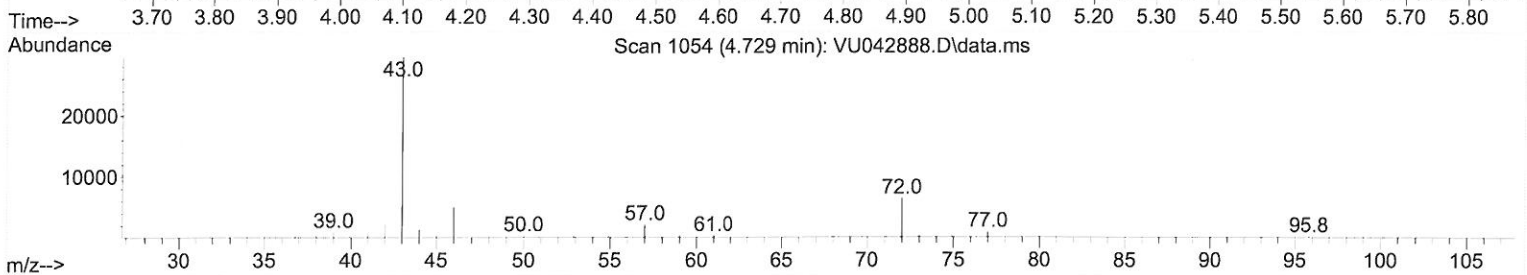
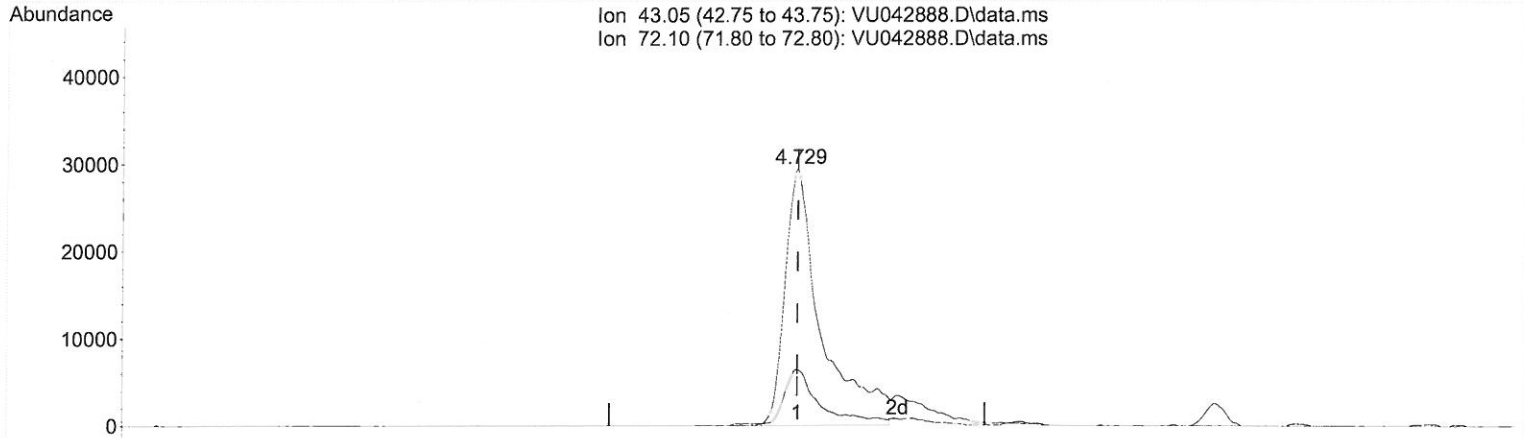
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 Data File : VU042888.D  
 Acq On : 02 Apr 2021 09:07  
 Operator : SY/MD  
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 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
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(21) 2-Butanone (T)

4.729min (-0.000) 51.07 ug/L m

*2mo*  
*4/5/21*

response 119411

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 43.05 | 100.00 | 100.00 |
| 72.10 | 23.40  | 18.20  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

# Quantitation Report (Qedit)

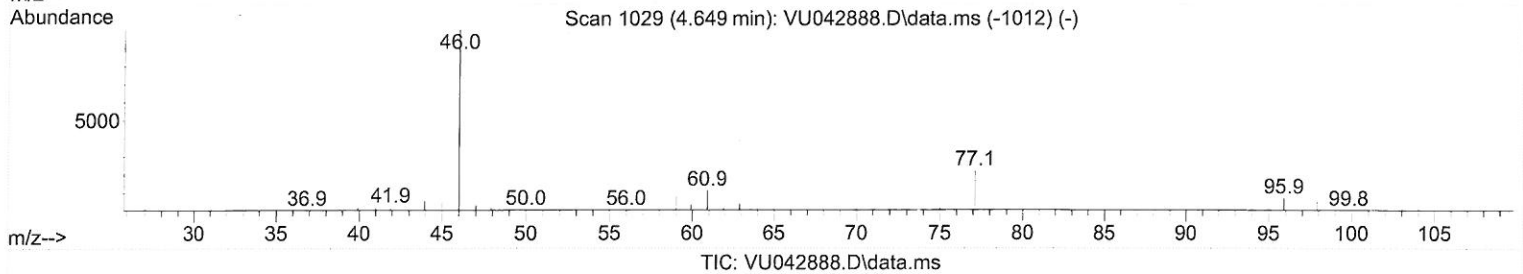
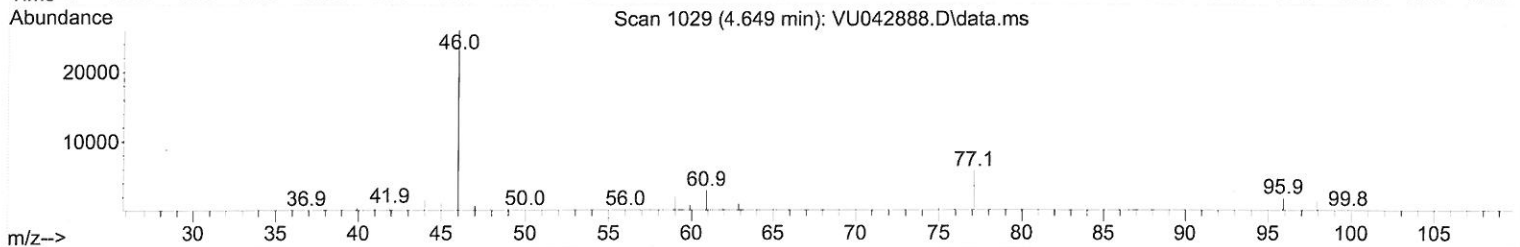
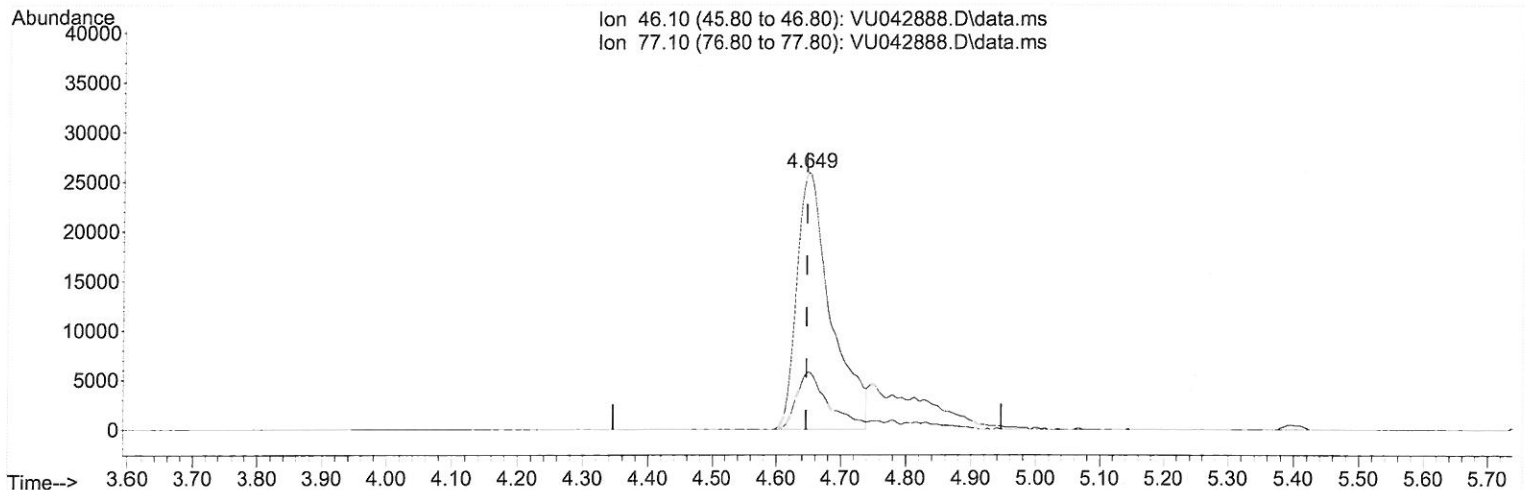
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU040121\  
 Data File : VU042888.D  
 Acq On : 02 Apr 2021 09:07  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 LabSampleId :  
 VSTD00525

Manual Integrations  
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(20) 2-Butanone-d5 (S)

4.649min (+ 0.003) 44.36 ug/L

response 95553

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 46.10 | 100.00 | 100.00 |
| 77.10 | 22.00  | 21.19  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

# Quantitation Report (Qedit)

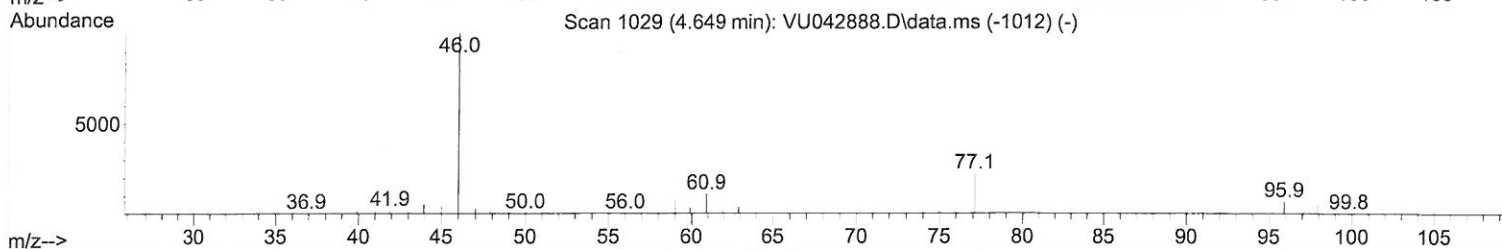
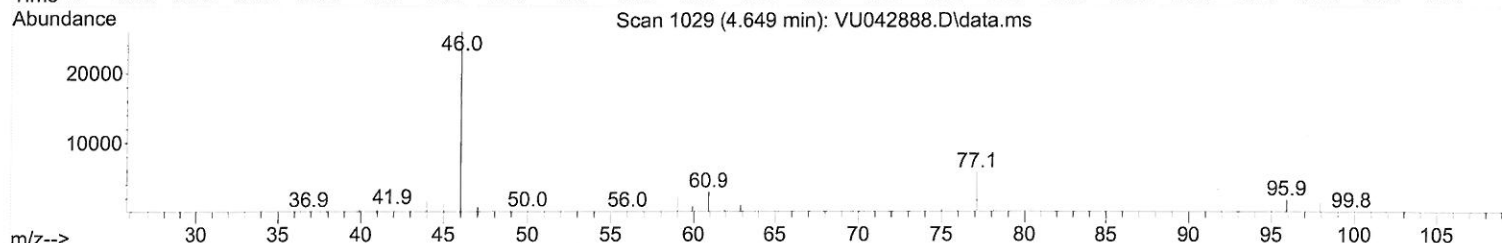
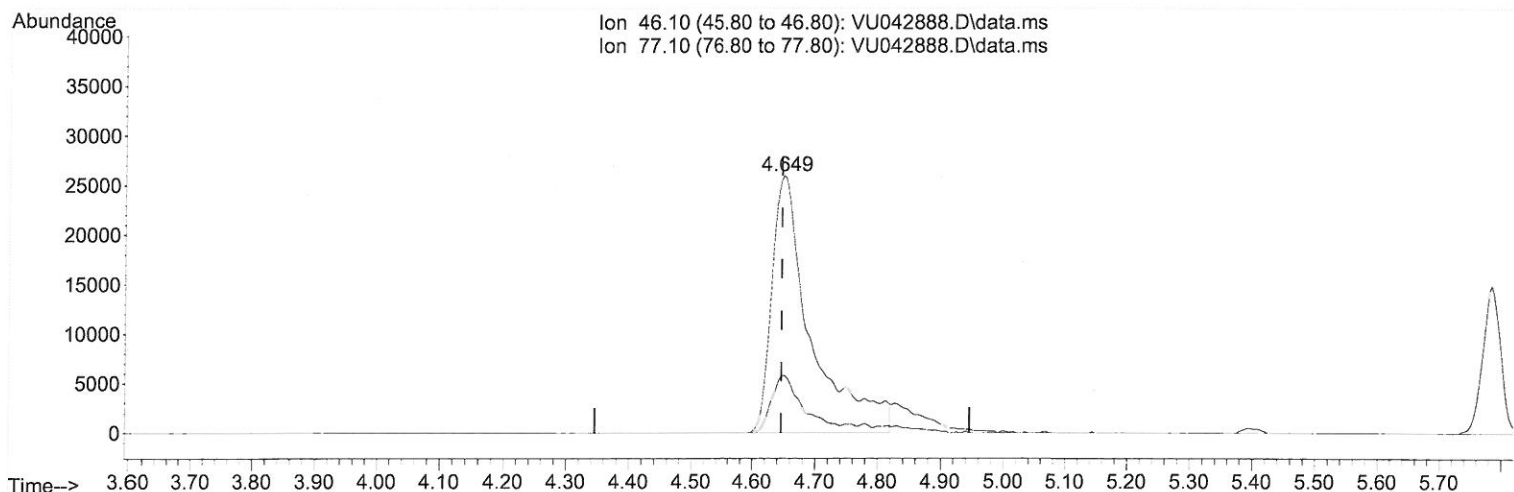
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU040121\  
 Data File : VU042888.D  
 Acq On : 02 Apr 2021 09:07  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 LabSampleId :  
 VSTD00525

Manual Integrations  
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MMDadoda  
 4/2/2021 5:44:16 PM

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TIC: VU042888.D\data.ms

(20) 2-Butanone-d5 (S)

4.649min (+ 0.003) 52.10 ug/L m

response 112230

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 46.10 | 100.00 | 100.00 |
| 77.10 | 22.00  | 18.04  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

7 m0  
 4/5/21

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Instrument :  
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Manual Integrations  
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 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Apr 02 05:16:37 2021  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|--------|------|----------|------|-------|----------|
| -----                      |        |      |          |      |       |          |
| Internal Standards         |        |      |          |      |       |          |
| 1) 1,4-Difluorobenzene     | 6.260  | 114  | 85545    | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.427  | 117  | 84943    | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.819 | 152  | 46833    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                               |        |       |          |          |      |         |
|-------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3          | 1.604  | 65    | 25728    | 4.83     | ug/L | 0.00    |
| Spiked Amount                 | 5.000  | Range | 40 - 130 | Recovery | =    | 96.60%  |
| 7) Chloroethane-d5            | 1.919  | 69    | 22505    | 4.85     | ug/L | 0.00    |
| Spiked Amount                 | 5.000  | Range | 65 - 130 | Recovery | =    | 97.00%  |
| 11) 1,1-Dichloroethene-d2     | 2.578  | 63    | 62085    | 4.93     | ug/L | 0.00    |
| Spiked Amount                 | 5.000  | Range | 60 - 125 | Recovery | =    | 98.60%  |
| 20) 2-Butanone-d5             | 4.649  | 46    | 112230m  | 52.10    | ug/L | 0.00    |
| Spiked Amount                 | 50.000 | Range | 40 - 130 | Recovery | =    | 104.20% |
| 24) Chloroform-d              | 5.073  | 84    | 61030    | 5.11     | ug/L | 0.00    |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =    | 102.20% |
| 26) 1,2-Dichloroethane-d4     | 5.713  | 65    | 38138    | 4.81     | ug/L | 0.00    |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =    | 96.20%  |
| 32) Benzene-d6                | 5.739  | 84    | 105916   | 4.82     | ug/L | 0.00    |
| Spiked Amount                 | 5.000  | Range | 70 - 125 | Recovery | =    | 96.40%  |
| 36) 1,2-Dichloropropane-d6    | 6.700  | 67    | 35773    | 4.97     | ug/L | 0.00    |
| Spiked Amount                 | 5.000  | Range | 60 - 140 | Recovery | =    | 99.40%  |
| 41) Toluene-d8                | 7.906  | 98    | 104291   | 4.78     | ug/L | 0.00    |
| Spiked Amount                 | 5.000  | Range | 70 - 130 | Recovery | =    | 95.60%  |
| 43) trans-1,3-Dichloroprop... | 8.189  | 79    | 16521    | 5.14     | ug/L | 0.00    |
| Spiked Amount                 | 5.000  | Range | 55 - 130 | Recovery | =    | 102.80% |
| 46) 2-Hexanone-d5             | 8.645  | 63    | 91547    | 55.93    | ug/L | 0.00    |
| Spiked Amount                 | 50.000 | Range | 45 - 130 | Recovery | =    | 111.86% |
| 57) 1,1,2,2-Tetrachloroeth... | 10.764 | 84    | 35068    | 5.47     | ug/L | 0.00    |
| Spiked Amount                 | 5.000  | Range | 65 - 120 | Recovery | =    | 109.40% |
| 64) 1,2-Dichlorobenzene-d4    | 12.201 | 152   | 44533    | 5.07     | ug/L | 0.00    |
| Spiked Amount                 | 5.000  | Range | 80 - 120 | Recovery | =    | 101.40% |

## Target Compounds

|                               |       |     |         |       | Qvalue   |
|-------------------------------|-------|-----|---------|-------|----------|
| 2) Dichlorodifluoromethane    | 1.388 | 85  | 36115   | 5.27  | ug/L 99  |
| 3) Chloromethane              | 1.523 | 50  | 33540   | 5.00  | ug/L 99  |
| 5) Vinyl chloride             | 1.607 | 62  | 33850   | 5.00  | ug/L 99  |
| 6) Bromomethane               | 1.864 | 94  | 20812   | 5.21  | ug/L 99  |
| 8) Chloroethane               | 1.941 | 64  | 21888   | 4.99  | ug/L 100 |
| 9) Trichlorofluoromethane     | 2.144 | 101 | 61052   | 5.17  | ug/L 98  |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.588 | 101 | 31379   | 5.36  | ug/L 96  |
| 12) 1,1-Dichloroethene        | 2.588 | 96  | 27803   | 5.01  | ug/L 81  |
| 13) Acetone                   | 2.658 | 43  | 68266m  | 52.93 | ug/L 99  |
| 14) Carbon disulfide          | 2.800 | 76  | 85072   | 4.98  | ug/L 99  |
| 15) Methyl Acetate            | 2.964 | 43  | 14955   | 5.20  | ug/L 98  |
| 16) Methylene chloride        | 3.057 | 84  | 30785   | 4.85  | ug/L 97  |
| 17) Methyl tert-butyl Ether   | 3.372 | 73  | 78625   | 5.04  | ug/L 97  |
| 18) trans-1,2-Dichloroethene  | 3.363 | 96  | 28450   | 4.99  | ug/L 96  |
| 19) 1,1-Dichloroethane        | 3.883 | 63  | 57507   | 5.04  | ug/L 100 |
| 21) 2-Butanone                | 4.729 | 43  | 119411m | 51.07 | ug/L 94  |
| 22) cis-1,2-Dichloroethene    | 4.678 | 96  | 30741   | 4.83  | ug/L 94  |
| 23) Bromochloromethane        | 4.986 | 128 | 15072   | 5.08  | ug/L 97  |
| 25) Chloroform                | 5.099 | 83  | 60204   | 4.83  | ug/L 99  |

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| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 27) 1,2-Dichloroethane        | 5.806  | 62   | 46377    | 5.10  | ug/L   | 95       |
| 29) 1,1,1-Trichloroethane     | 5.327  | 97   | 53931    | 5.01  | ug/L   | 97       |
| 30) Cyclohexane               | 5.398  | 56   | 51527    | 4.92  | ug/L   | 98       |
| 31) Carbon tetrachloride      | 5.536  | 117  | 47763    | 5.10  | ug/L   | 99       |
| 33) Benzene                   | 5.784  | 78   | 122997   | 4.99  | ug/L   | 100      |
| 34) Trichloroethene           | 6.552  | 95   | 33585    | 5.07  | ug/L   | 99       |
| 35) Methylcyclohexane         | 6.771  | 83   | 49791    | 5.01  | ug/L   | 98       |
| 37) 1,2-Dichloropropane       | 6.800  | 63   | 34005    | 5.08  | ug/L   | 98       |
| 38) Bromodichloromethane      | 7.115  | 83   | 43877    | 5.00  | ug/L   | 97       |
| 39) cis-1,3-Dichloropropene   | 7.616  | 75   | 49604    | 5.08  | ug/L   | 100      |
| 40) 4-Methyl-2-pentanone      | 7.803  | 43   | 319350   | 54.17 | ug/L   | 96       |
| 42) Toluene                   | 7.976  | 91   | 135717   | 5.01  | ug/L   | 97       |
| 44) trans-1,3-Dichloropropene | 8.218  | 75   | 45747    | 5.03  | ug/L   | 99       |
| 45) 1,1,2-Trichloroethane     | 8.411  | 97   | 26187    | 5.37  | ug/L   | 94       |
| 47) Tetrachloroethene         | 8.562  | 164  | 27616    | 5.09  | ug/L   | 98       |
| 48) 2-Hexanone                | 8.697  | 43   | 244727   | 56.64 | ug/L   | 93       |
| 49) Dibromochloromethane      | 8.819  | 129  | 32709    | 5.32  | ug/L   | 95       |
| 50) 1,2-Dibromoethane         | 8.931  | 107  | 25601    | 5.34  | ug/L # | 98       |
| 51) Chlorobenzene             | 9.456  | 112  | 85715    | 4.96  | ug/L   | 98       |
| 52) Ethylbenzene              | 9.578  | 91   | 151283   | 4.99  | ug/L   | 99       |
| 53) m,p-Xylene                | 9.703  | 106  | 57455    | 5.13  | ug/L   | 99       |
| 54) o-Xylene                  | 10.108 | 106  | 55129    | 5.03  | ug/L   | 92       |
| 55) Styrene                   | 10.121 | 104  | 95250    | 5.05  | ug/L   | 100      |
| 56) Isopropylbenzene          | 10.491 | 105  | 152678   | 5.01  | ug/L   | 99       |
| 58) 1,1,2,2-Tetrachloroethane | 10.790 | 83   | 33982    | 5.34  | ug/L   | 99       |
| 59) 1,2,3-Trichloropropane    | 10.832 | 75   | 26008    | 5.42  | ug/L   | 98       |
| 61) Bromoform                 | 10.301 | 173  | 20322    | 5.29  | ug/L   | 97       |
| 62) 1,3-Dichlorobenzene       | 11.754 | 146  | 77258    | 5.13  | ug/L   | 99       |
| 63) 1,4-Dichlorobenzene       | 11.845 | 146  | 75129    | 5.00  | ug/L   | 95       |
| 65) 1,2-Dichlorobenzene       | 12.221 | 146  | 73096    | 5.07  | ug/L   | 99       |
| 66) 1,2-Dibromo-3-chloropr... | 13.002 | 75   | 6342     | 5.73  | ug/L   | 85       |
| 67) 1,3,5-Trichlorobenzene    | 13.227 | 180  | 62427    | 5.14  | ug/L   | 100      |
| 68) 1,2,4-trichlorobenzene    | 13.848 | 180  | 50915    | 5.12  | ug/L   | 99       |
| 69) Naphthalene               | 14.095 | 128  | 83506    | 5.16  | ug/L   | 99       |
| 70) 1,2,3-Trichlorobenzene    | 14.336 | 180  | 47336    | 5.23  | ug/L   | 99       |

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