

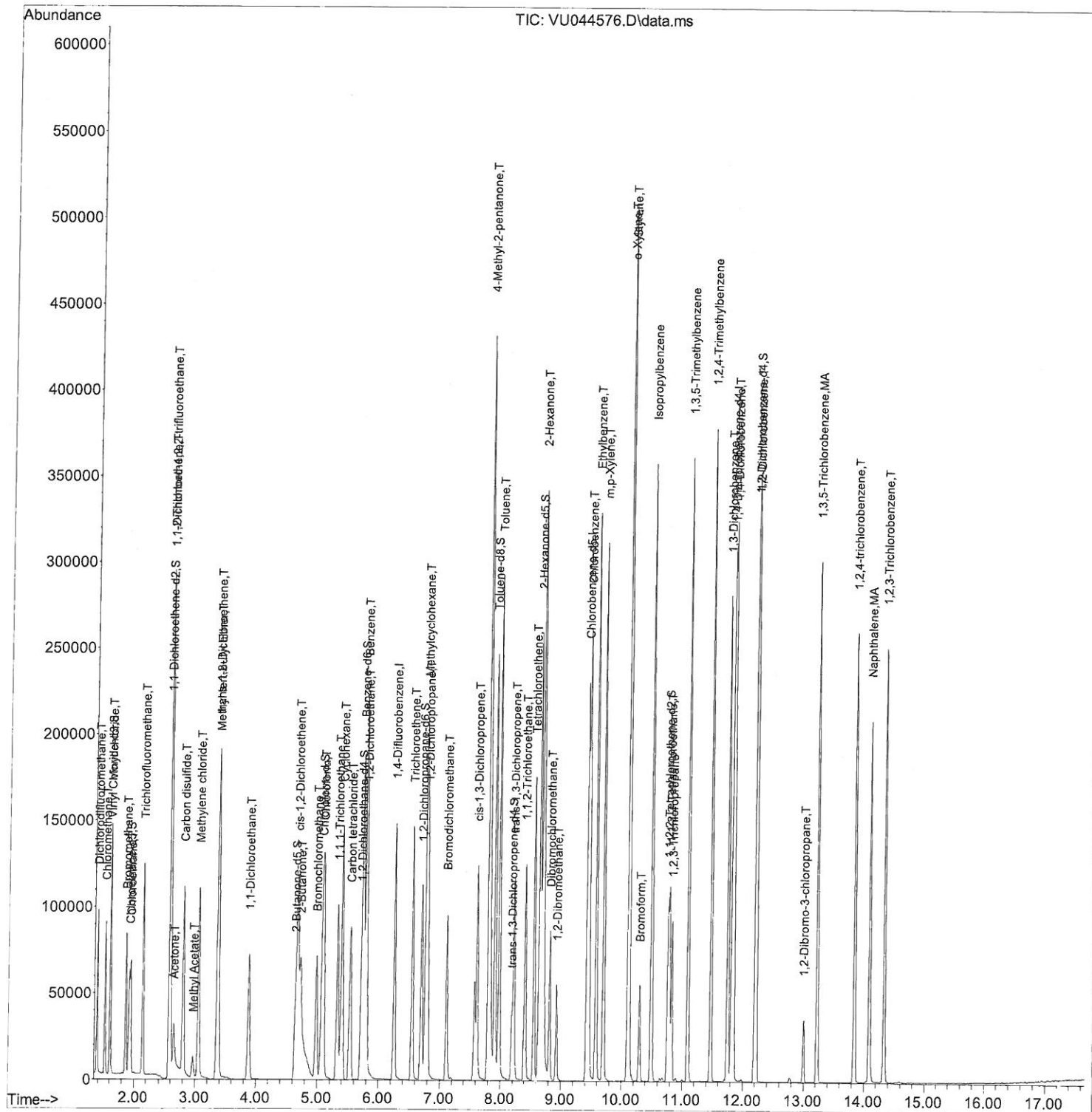
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU090721\  
 Data File : VU044576.D  
 Acq On : 07 Sep 2021 11:05  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 LabSampleId :  
 VSTDCCC005

Manual Integrations  
 APPROVED

MMDadoda  
 9/10/2021 8:02:23 AM

Quant Time: Sep 08 02:23:23 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR081821WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Sep 07 10:51:20 2021  
 Response via : Initial Calibration



## Quantitation Report (Qedit)

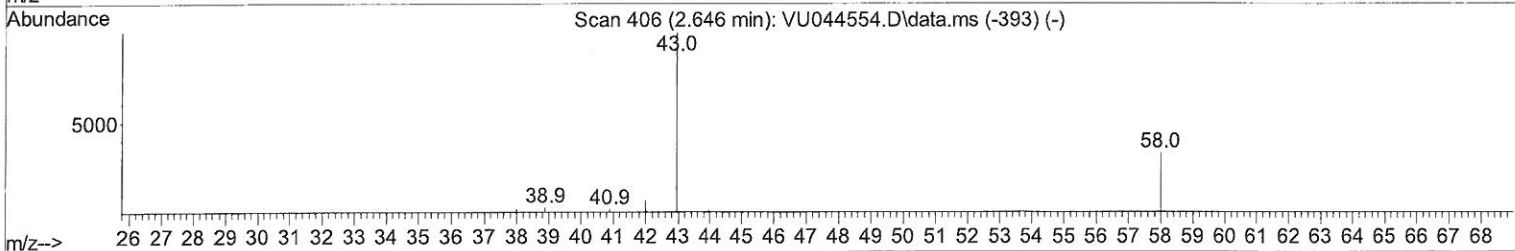
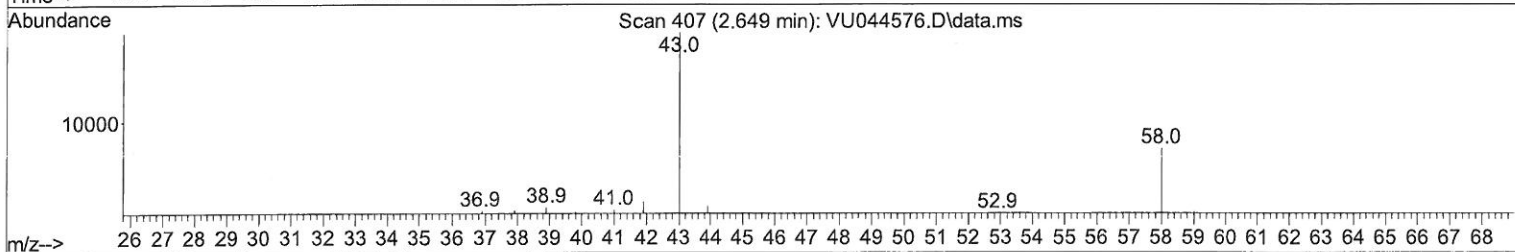
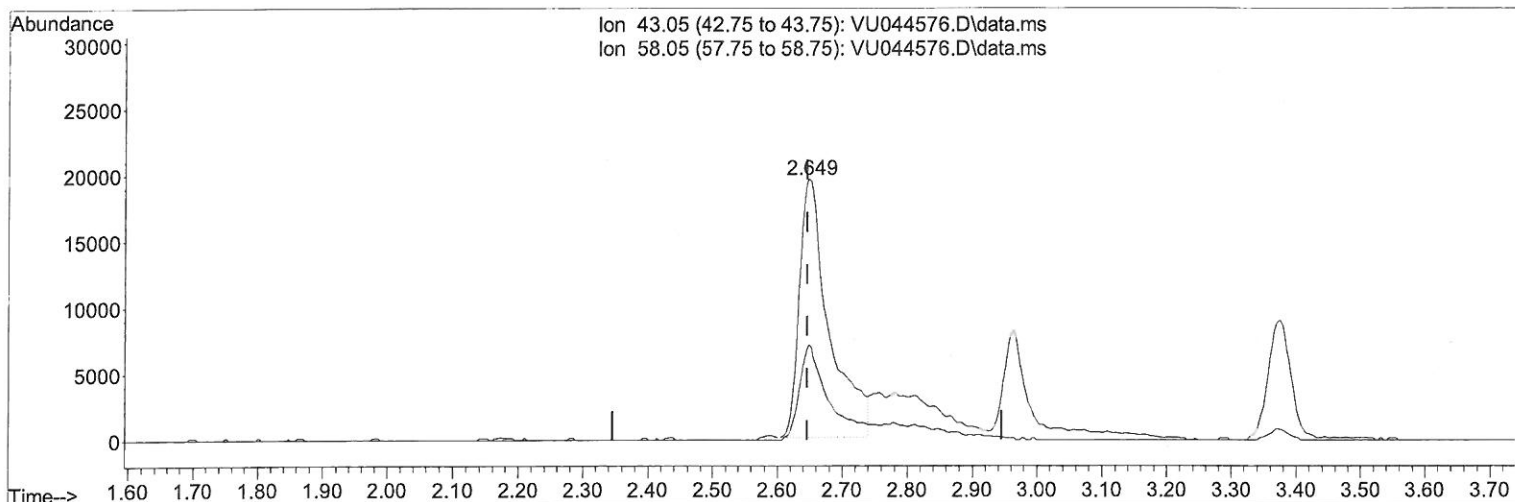
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TIC: VU044576.D\data.ms

(13) Acetone (T)

2.649min (+ 0.003) 26.28 ug/L

response 62497

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 43.05 | 100.00 | 100.00 |
| 58.05 | 22.70  | 38.09  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

## Quantitation Report (Qedit)

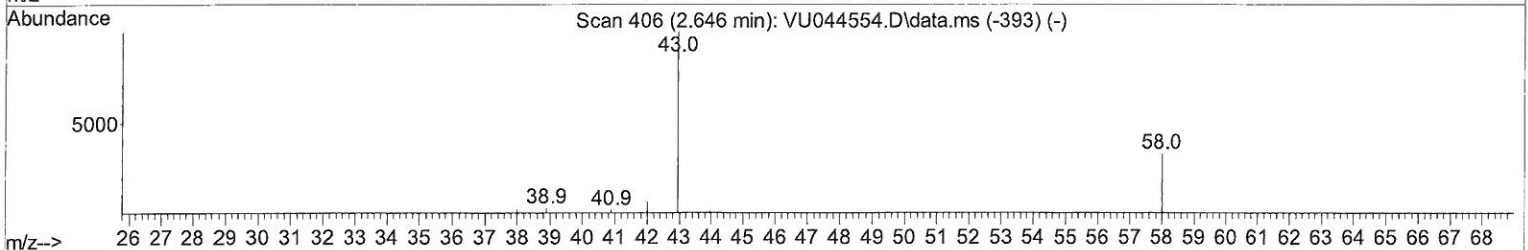
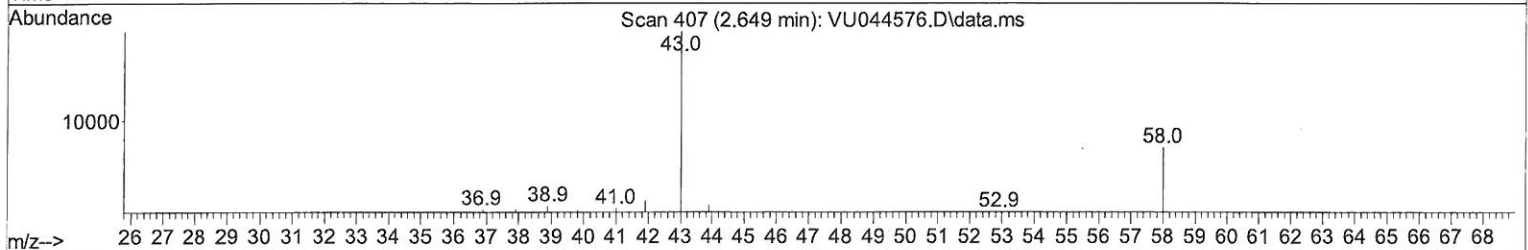
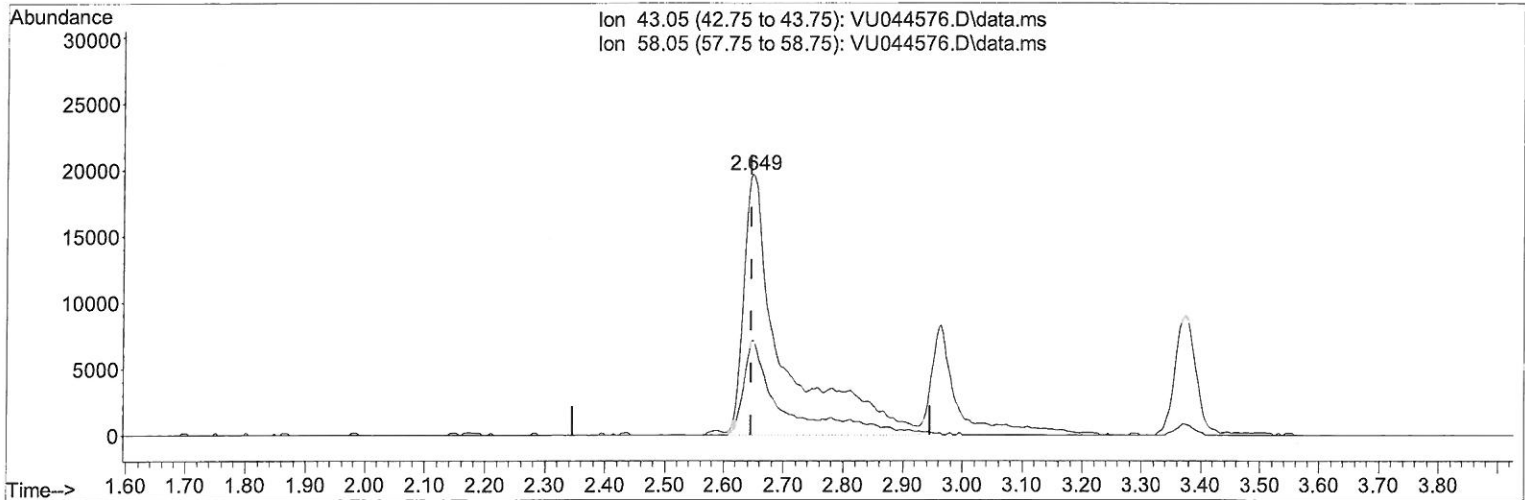
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TIC: VU044576.D\data.ms

(13) Acetone (T)

2.649min (+ 0.003) 37.98 ug/L m

response 90324

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 43.05 | 100.00 | 100.00 |
| 58.05 | 22.70  | 26.35  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

> MD  
9/10/21

## Quantitation Report (Qedit)

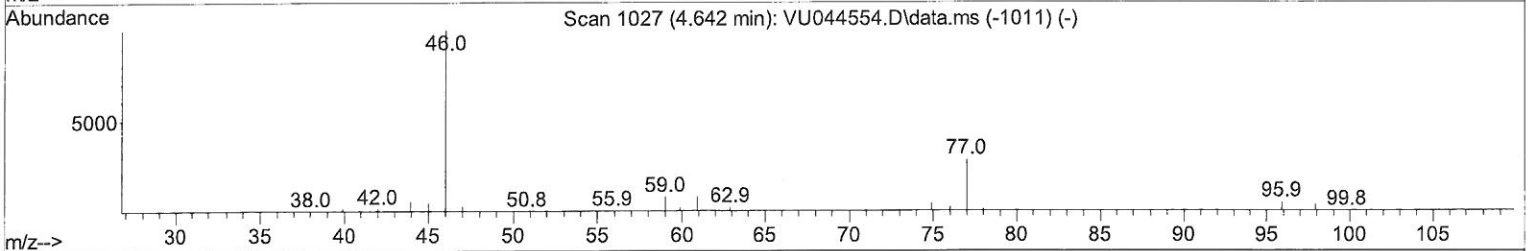
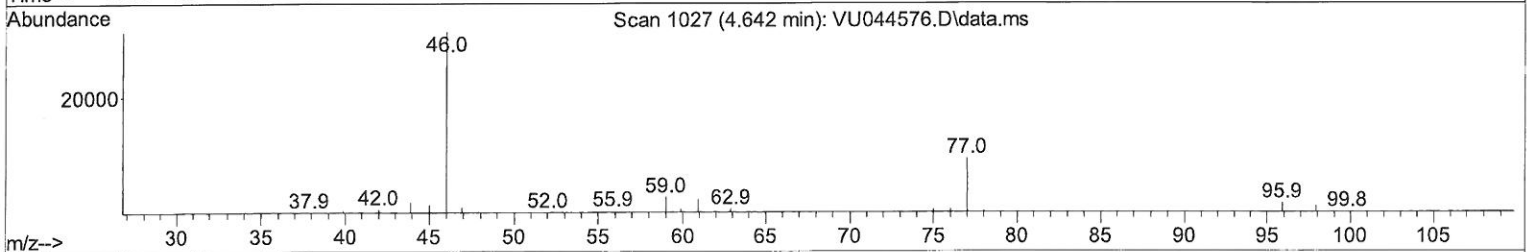
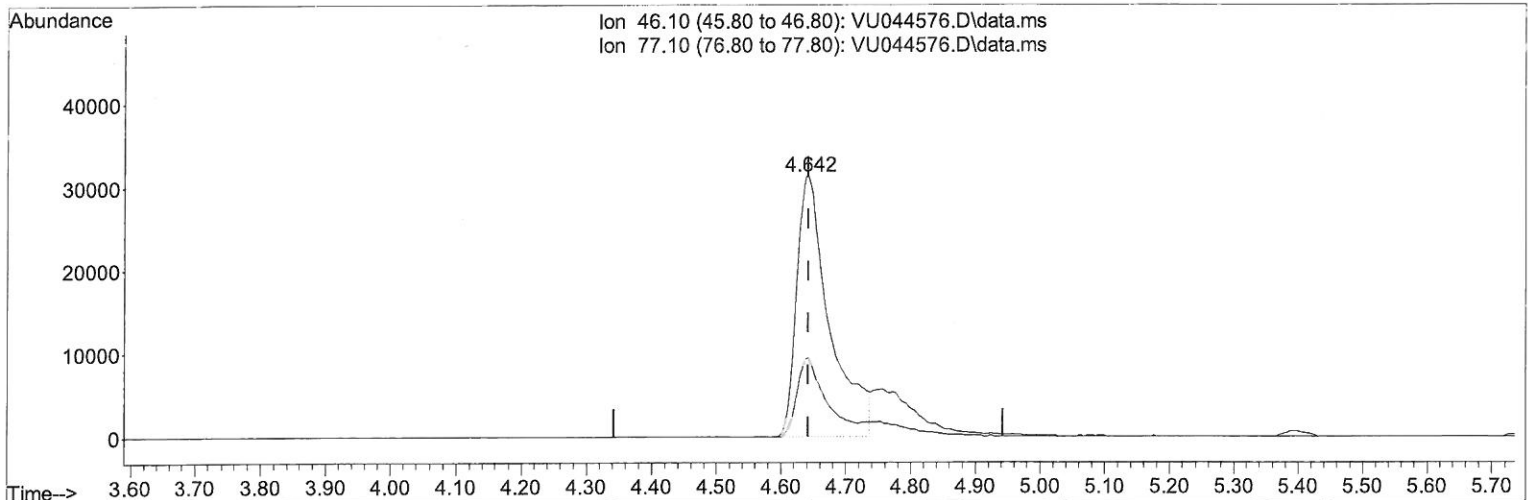
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU090721\  
Data File : VU044576.D  
Acq On : 07 Sep 2021 11:05  
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Sample : VSTDCCC005  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
LabSampleId :  
VSTDCCC005

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TIC: VU044576.D\data.ms

(20) 2-Butanone-d5 (S)

4.642min (-0.000) 38.43 ug/L

response 110070

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 46.10 | 100.00 | 100.00 |
| 77.10 | 25.00  | 26.46  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

## Quantitation Report (Qedit)

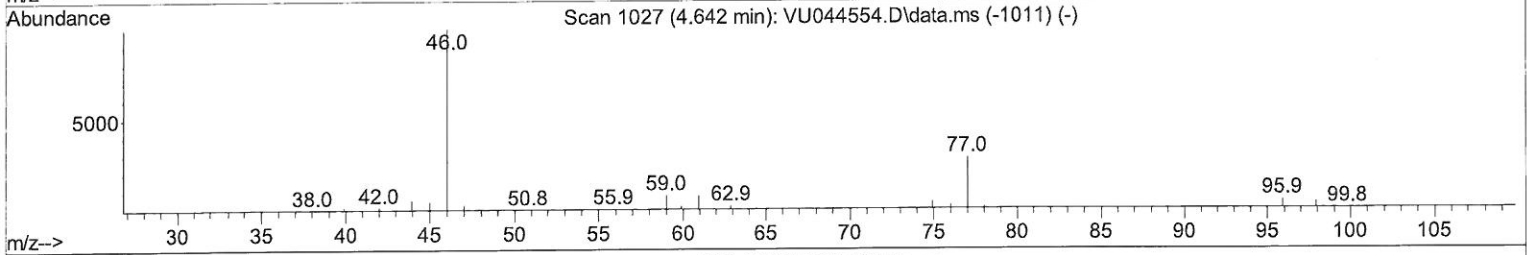
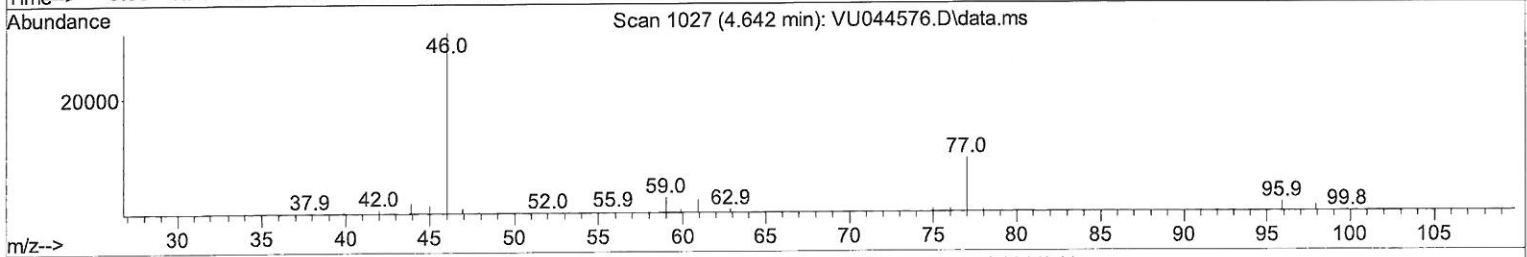
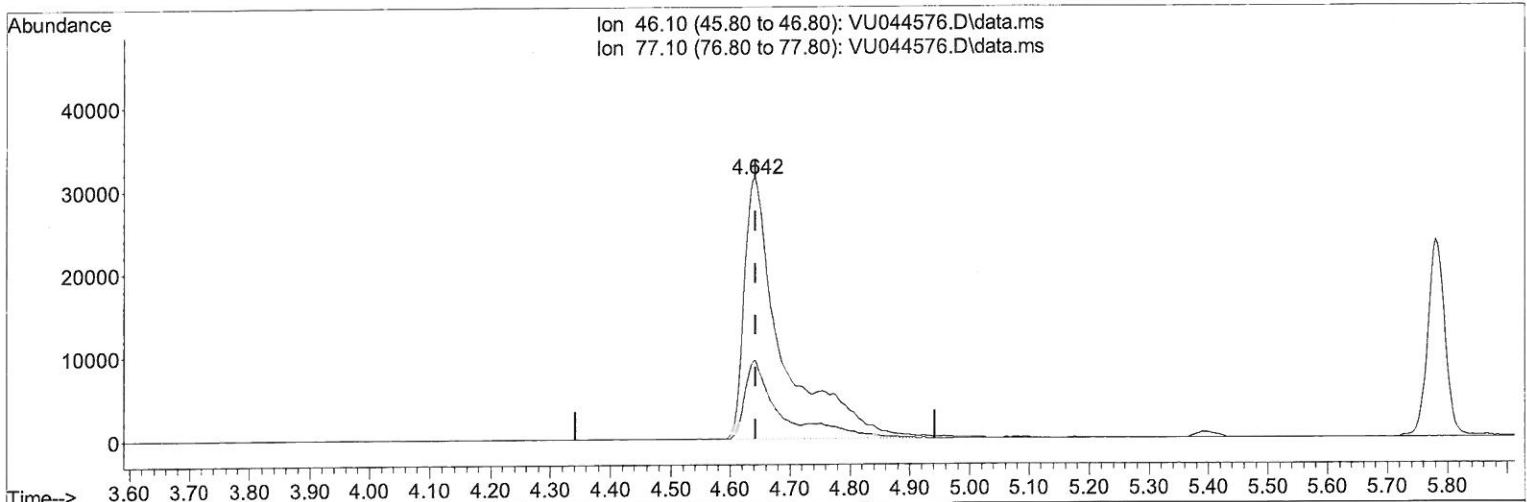
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Data File : VU044576.D  
Acq On : 07 Sep 2021 11:05  
Operator : SY/MD  
Sample : VSTDCCC005  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
LabSampleId :  
VSTDCCC005

Manual Integrations  
APPROVED

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TIC: VU044576.D\data.ms

(20) 2-Butanone-d5 (S)

4.642min (-0.000) 47.89 ug/L m

response 137171

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 46.10 | 100.00 | 100.00 |
| 77.10 | 25.00  | 21.23  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

MD  
9/10/21

## Quantitation Report (Qedit)

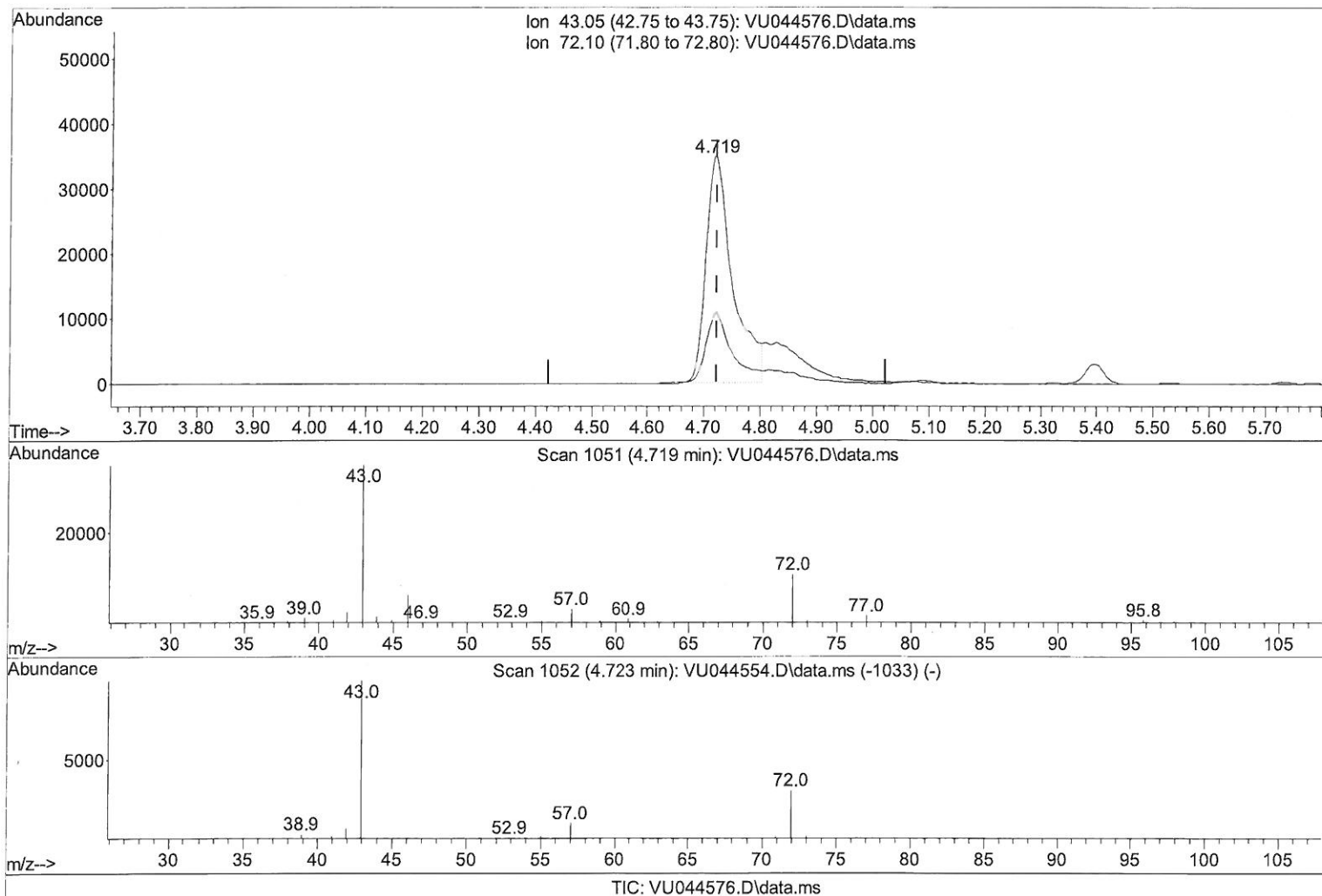
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Data File : VU044576.D  
Acq On : 07 Sep 2021 11:05  
Operator : SY/MD  
Sample : VSTDCCC005  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 2 Sample Multiplier: 1

Instrument :  
MSVOA\_U  
LabSampleId :  
VSTDCCC005

Manual Integrations  
APPROVED

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Quant Title : TRACE VOA SFAM1.0  
QLast Update : Tue Sep 07 10:51:20 2021  
Response via : Initial Calibration



(21) 2-Butanone (T)

4.719min (-0.003) 34.05 ug/L

response 115394

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 43.05 | 100.00 | 100.00 |
| 72.10 | 28.30  | 31.41  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

# Quantitation Report (Qedit)

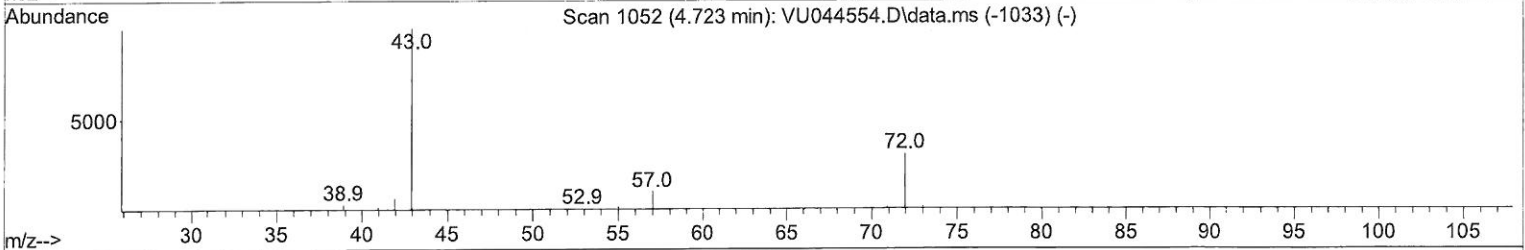
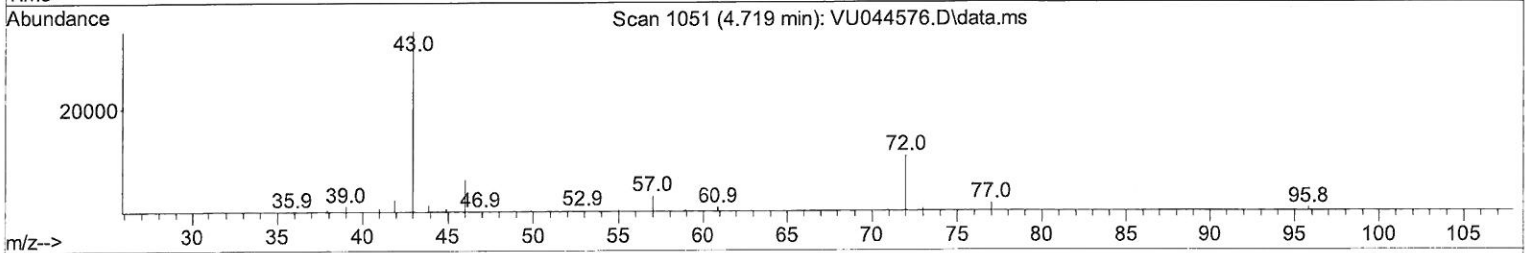
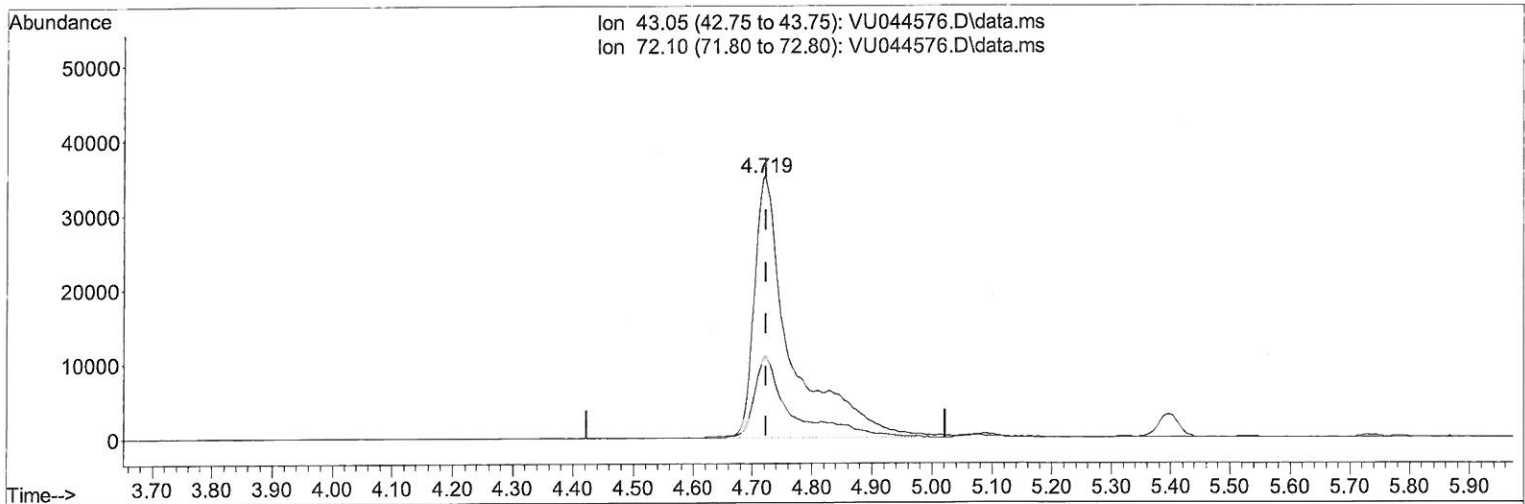
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU090721\  
 Data File : VU044576.D  
 Acq On : 07 Sep 2021 11:05  
 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 LabSampleId :  
 VSTDCCC005

Manual Integrations  
 APPROVED

MMDadoda  
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TIC: VU044576.D\data.ms

(21) 2-Butanone (T)

4.719min (-0.003) 43.96 ug/L m

response 148993

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 43.05 | 100.00 | 100.00 |
| 72.10 | 28.30  | 24.33  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

7 mg  
 9/10/21

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU090721\  
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 Operator : SY/MD  
 Sample : VSTDCCC005  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 2 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
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Manual Integrations  
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 9/10/2021 8:02:23 AM

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 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Sep 07 10:51:20 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon           | Response | Conc   | Units    | Dev(Min) |
|-------------------------------|--------|----------------|----------|--------|----------|----------|
| Internal Standards            |        |                |          |        |          |          |
| 1) 1,4-Difluorobenzene        | 6.256  | 114            | 128043   | 5.000  | ug/L     | 0.00     |
| 28) Chlorobenzene-d5          | 9.423  | 117            | 128595   | 5.000  | ug/L     | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.816 | 152            | 73929    | 5.000  | ug/L     | 0.00     |
| System Monitoring Compounds   |        |                |          |        |          |          |
| 4) Vinyl Chloride-d3          | 1.601  | 65             | 44561    | 4.303  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 40 - 130 | Recovery | =      | 86.000%  |          |
| 7) Chloroethane-d5            | 1.919  | 69             | 43450    | 4.828  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 130 | Recovery | =      | 96.600%  |          |
| 11) 1,1-Dichloroethene-d2     | 2.572  | 65             | 20520    | 4.658  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 125 | Recovery | =      | 93.200%  |          |
| 20) 2-Butanone-d5             | 4.642  | 46             | 137171m  | 47.895 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 40 - 130 | Recovery | =      | 95.780%  |          |
| 24) Chloroform-d              | 5.073  | 84             | 87110    | 4.757  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 95.200%  |          |
| 26) 1,2-Dichloroethane-d4     | 5.710  | 65             | 46480    | 4.655  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 93.000%  |          |
| 32) Benzene-d6                | 5.735  | 84             | 175523   | 4.847  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 125 | Recovery | =      | 97.000%  |          |
| 36) 1,2-Dichloropropane-d6    | 6.700  | 67             | 53765    | 4.641  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 60 - 140 | Recovery | =      | 92.800%  |          |
| 41) Toluene-d8                | 7.903  | 98             | 162872   | 5.072  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 70 - 130 | Recovery | =      | 101.400% |          |
| 43) trans-1,3-Dichloroprop... | 8.186  | 79             | 21662    | 5.207  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 55 - 130 | Recovery | =      | 104.200% |          |
| 46) 2-Hexanone-d5             | 8.642  | 63             | 123112   | 54.722 | ug/L     | 0.00     |
| Spiked Amount                 | 50.000 | Range 45 - 130 | Recovery | =      | 109.440% |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.761 | 84             | 52568    | 5.388  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 65 - 120 | Recovery | =      | 107.800% |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.198 | 152            | 67007    | 5.365  | ug/L     | 0.00     |
| Spiked Amount                 | 5.000  | Range 80 - 120 | Recovery | =      | 107.200% |          |

| Target Compounds              |       |     |         |        | Qvalue    |
|-------------------------------|-------|-----|---------|--------|-----------|
| 2) Dichlorodifluoromethane    | 1.388 | 85  | 56173   | 4.266  | ug/L 99   |
| 3) Chloromethane              | 1.520 | 50  | 58361   | 3.383  | ug/L 97   |
| 5) Vinyl chloride             | 1.607 | 62  | 64431   | 4.040  | ug/L 98   |
| 6) Bromomethane               | 1.861 | 94  | 37994   | 4.383  | ug/L 97   |
| 8) Chloroethane               | 1.938 | 64  | 40958   | 4.201  | ug/L 98   |
| 9) Trichlorofluoromethane     | 2.144 | 101 | 79615   | 4.366  | ug/L 99   |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.588 | 101 | 47470   | 4.731  | ug/L 95   |
| 12) 1,1-Dichloroethene        | 2.588 | 96  | 45358   | 4.609  | ug/L 85   |
| 13) Acetone                   | 2.649 | 43  | 90324m  | 37.980 | ug/L      |
| 14) Carbon disulfide          | 2.800 | 76  | 141680  | 4.439  | ug/L 100  |
| 15) Methyl Acetate            | 2.964 | 43  | 15745   | 4.054  | ug/L # 88 |
| 16) Methylene chloride        | 3.054 | 84  | 56245   | 3.847  | ug/L 89   |
| 17) Methyl tert-butyl Ether   | 3.372 | 73  | 116029  | 4.559  | ug/L 98   |
| 18) trans-1,2-Dichloroethene  | 3.363 | 96  | 48997   | 4.779  | ug/L 91   |
| 19) 1,1-Dichloroethane        | 3.880 | 63  | 84226   | 4.238  | ug/L 99   |
| 21) 2-Butanone                | 4.719 | 43  | 148993m | 43.963 | ug/L      |
| 22) cis-1,2-Dichloroethene    | 4.674 | 96  | 52304   | 4.771  | ug/L 95   |
| 23) Bromochloromethane        | 4.983 | 128 | 24017   | 4.970  | ug/L # 85 |

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 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc   | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|--------|--------|----------|
| 25) Chloroform                | 5.096  | 83   | 91821    | 4.503  | ug/L   | 100      |
| 27) 1,2-Dichloroethane        | 5.800  | 62   | 57190    | 4.204  | ug/L   | 97       |
| 29) 1,1,1-Trichloroethane     | 5.324  | 97   | 74485    | 4.628  | ug/L   | 96       |
| 30) Cyclohexane               | 5.398  | 56   | 73985    | 4.158  | ug/L   | 92       |
| 31) Carbon tetrachloride      | 5.533  | 117  | 60556    | 4.579  | ug/L   | 100      |
| 33) Benzene                   | 5.780  | 78   | 200484   | 4.595  | ug/L   | 100      |
| 34) Trichloroethene           | 6.549  | 95   | 51776    | 4.800  | ug/L   | 96       |
| 35) Methylcyclohexane         | 6.771  | 83   | 82384    | 4.579  | ug/L   | 94       |
| 37) 1,2-Dichloropropane       | 6.797  | 63   | 49666    | 4.347  | ug/L   | 99       |
| 38) Bromodichloromethane      | 7.112  | 83   | 65080    | 4.640  | ug/L   | 99       |
| 39) cis-1,3-Dichloropropene   | 7.613  | 75   | 74860    | 4.672  | ug/L   | 98       |
| 40) 4-Methyl-2-pentanone      | 7.800  | 43   | 347328   | 44.776 | ug/L # | 95       |
| 42) Toluene                   | 7.977  | 91   | 219033   | 4.820  | ug/L   | 100      |
| 44) trans-1,3-Dichloropropene | 8.218  | 75   | 66405    | 4.890  | ug/L   | 97       |
| 45) 1,1,2-Trichloroethane     | 8.404  | 97   | 41507    | 5.095  | ug/L   | 96       |
| 47) Tetrachloroethene         | 8.558  | 164  | 39787    | 5.334  | ug/L   | 96       |
| 48) 2-Hexanone                | 8.694  | 43   | 258604   | 46.722 | ug/L   | 96       |
| 49) Dibromochloromethane      | 8.816  | 129  | 45331    | 5.258  | ug/L   | 98       |
| 50) 1,2-Dibromoethane         | 8.931  | 107  | 39972    | 5.130  | ug/L # | 100      |
| 51) Chlorobenzene             | 9.452  | 112  | 139611   | 5.006  | ug/L   | 96       |
| 52) Ethylbenzene              | 9.575  | 91   | 234514   | 4.885  | ug/L   | 99       |
| 53) m,p-Xylene                | 9.700  | 106  | 92350    | 5.117  | ug/L   | 94       |
| 54) o-Xylene                  | 10.105 | 106  | 90165    | 5.128  | ug/L   | 95       |
| 55) Styrene                   | 10.118 | 104  | 159779   | 5.543  | ug/L   | 97       |
| 57) 1,1,2,2-Tetrachloroethane | 10.787 | 83   | 54412    | 5.073  | ug/L   | 96       |
| 59) Bromoform                 | 10.298 | 173  | 25984    | 4.975  | ug/L   | 99       |
| 60) Isopropylbenzene          | 10.488 | 105  | 237671   | 4.405  | ug/L   | 98       |
| 61) 1,2,3-Trichloropropane    | 10.828 | 75   | 39028    | 4.225  | ug/L   | 95       |
| 62) 1,3,5-Trimethylbenzene    | 11.092 | 105  | 199688   | 4.526  | ug/L   | 97       |
| 63) 1,2,4-Trimethylbenzene    | 11.472 | 105  | 208401   | 4.607  | ug/L   | 98       |
| 64) 1,3-Dichlorobenzene       | 11.751 | 146  | 119231   | 5.033  | ug/L   | 98       |
| 65) 1,4-Dichlorobenzene       | 11.841 | 146  | 120087   | 5.017  | ug/L   | 97       |
| 67) 1,2-Dichlorobenzene       | 12.217 | 146  | 114411   | 5.067  | ug/L   | 98       |
| 68) 1,2-Dibromo-3-chloropr... | 13.002 | 75   | 9558     | 5.058  | ug/L   | 94       |
| 69) 1,3,5-Trichlorobenzene    | 13.224 | 180  | 91046    | 5.458  | ug/L   | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.844 | 180  | 81935    | 6.267  | ug/L   | 98       |
| 71) Naphthalene               | 14.092 | 128  | 173688   | 6.968  | ug/L   | 100      |
| 72) 1,2,3-Trichlorobenzene    | 14.333 | 180  | 78761    | 6.580  | ug/L   | 98       |

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