

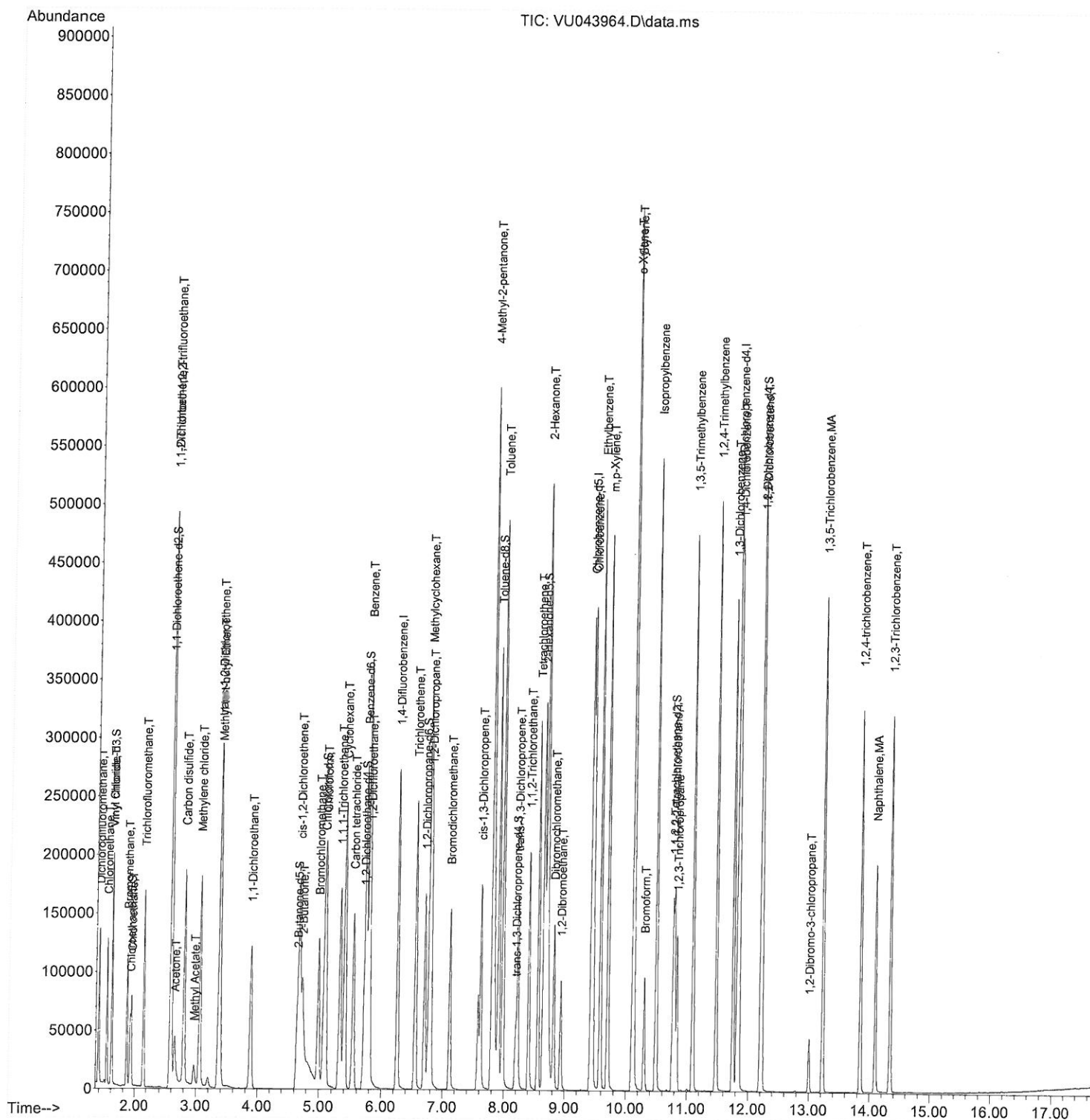
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU052421\  
Data File : VU043964.D  
Acq On : 25 May 2021 15:44  
Operator : SY/MD  
Sample : VSTDCCC005EC  
Misc : 25.0mL/MSVOA\_U/WATER  
ALS Vial : 64 Sample Multiplier: 1

**Instrument :**  
MSVOA\_U  
**LabSampleId :**  
VSTDCCC005EC

## Manual Integrations

MMDadoda  
5/26/2021 12:28:37 PM

Quant Time: May 25 16:05:56 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR052421WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Tue May 25 07:46:23 2021  
Response via : Initial Calibration



# Quantitation Report (Qedit)

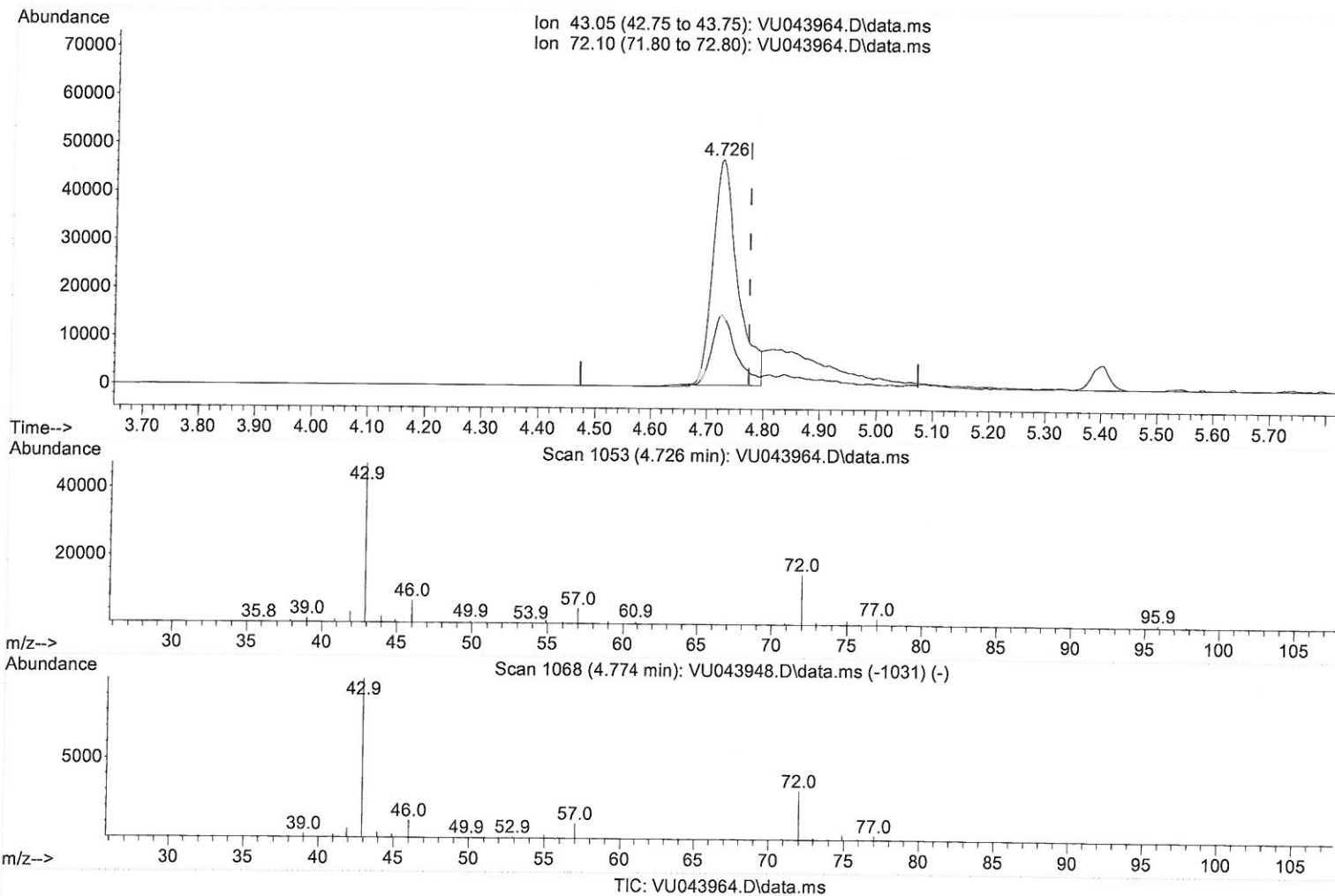
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(21) 2-Butanone (T)

4.726min (-0.048) 33.15 ug/L

response 143704

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 43.05 | 100.00 | 100.00 |
| 72.10 | 29.40  | 31.58  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

# Quantitation Report (Qedit)

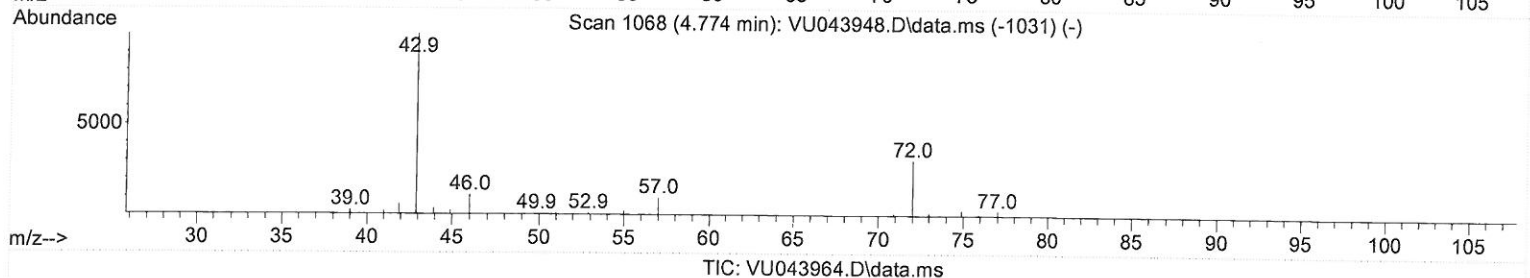
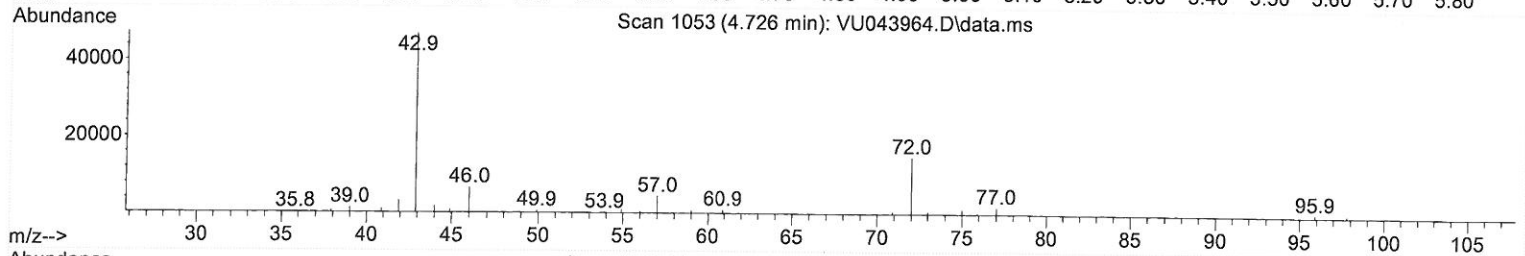
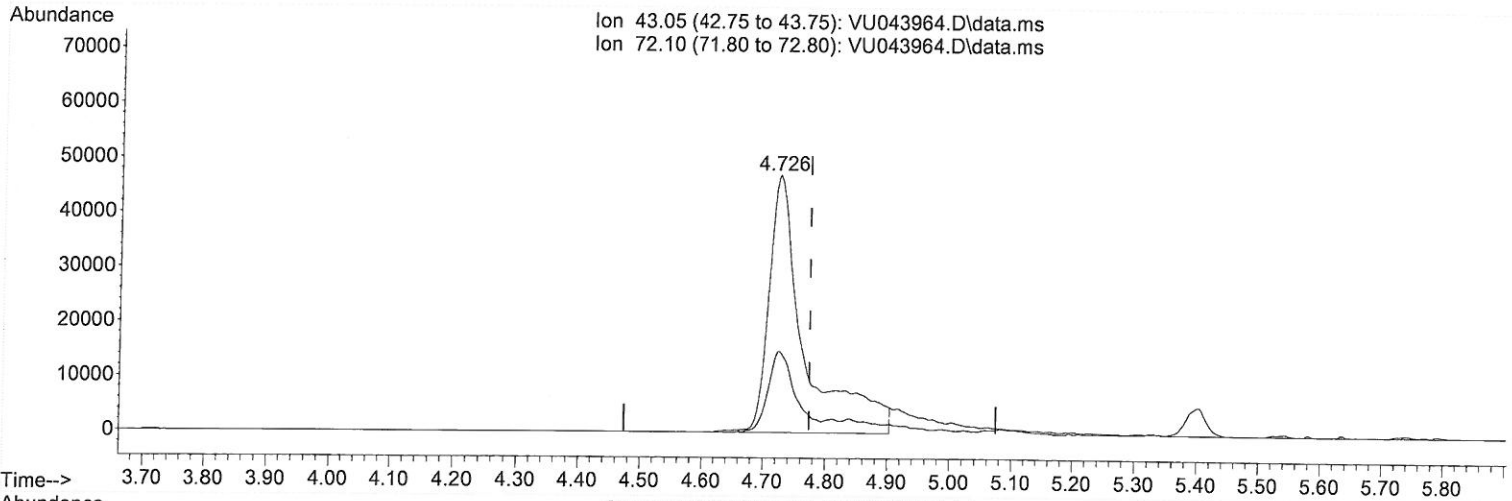
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TIC: VU043964.D\data.ms

(21) 2-Butanone (T)

4.726min (-0.048) 43.58 ug/L m

response 188954

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 43.05 | 100.00 | 100.00 |
| 72.10 | 29.40  | 24.02  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

*MD*  
*6/2/21*

# Quantitation Report (Qedit)

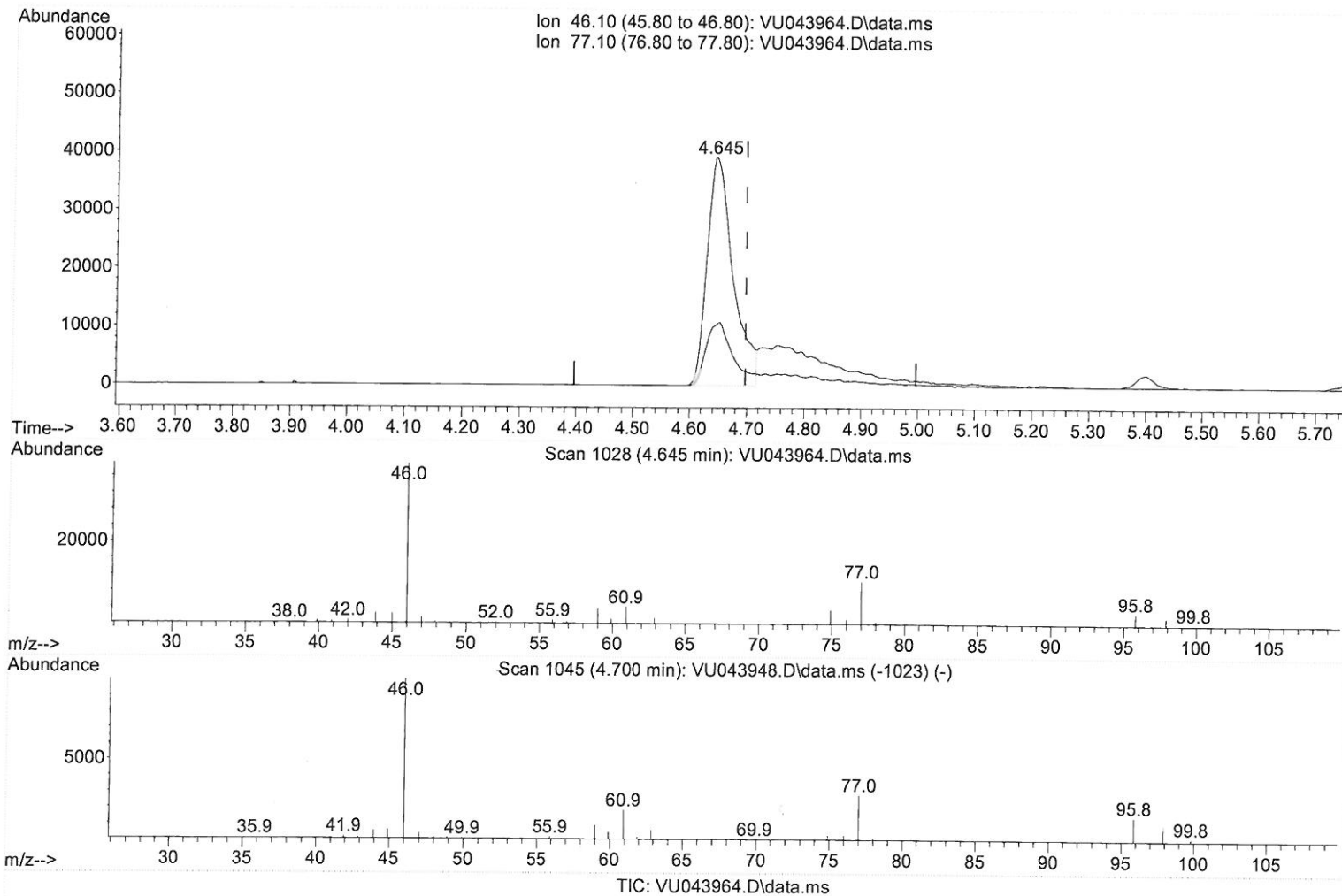
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 Data File : VU043964.D  
 Acq On : 25 May 2021 15:44  
 Operator : SY/MD  
 Sample : VSTDCCC005EC  
 Misc : 25.0mL/MSVOA\_U/WATER  
 ALS Vial : 64 Sample Multiplier: 1

**Instrument :**  
 MSVOA\_U  
**LabSampleId :**  
 VSTDCCC005EC

**Manual Integrations**  
**APPROVED**

MMDadoda  
 5/26/2021 12:28:37 PM

Quant Time: May 29 07:18:17 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_U\Method\SFAMUTR052421WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue May 25 07:46:23 2021  
 Response via : Initial Calibration



(20) 2-Butanone-d5 (S)

4.645min (-0.051) 29.99 ug/L

response 124241

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 46.10 | 100.00 | 100.00 |
| 77.10 | 27.00  | 29.14  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |



# Quantitation Report (Qedit)

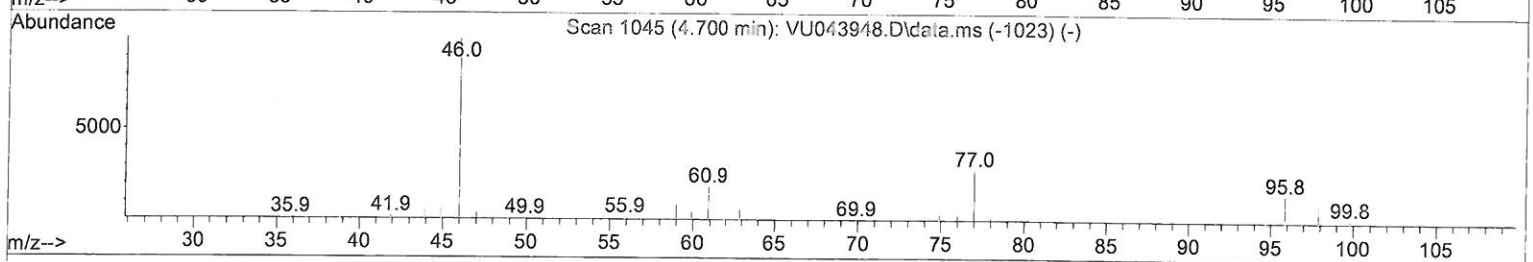
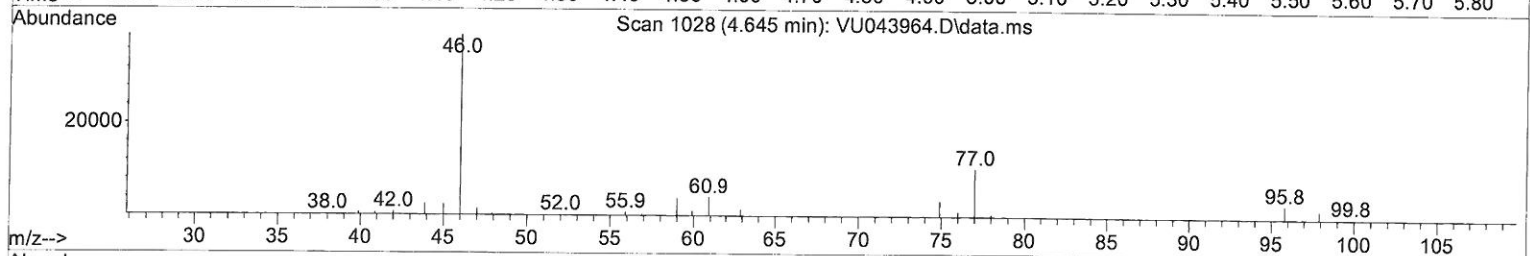
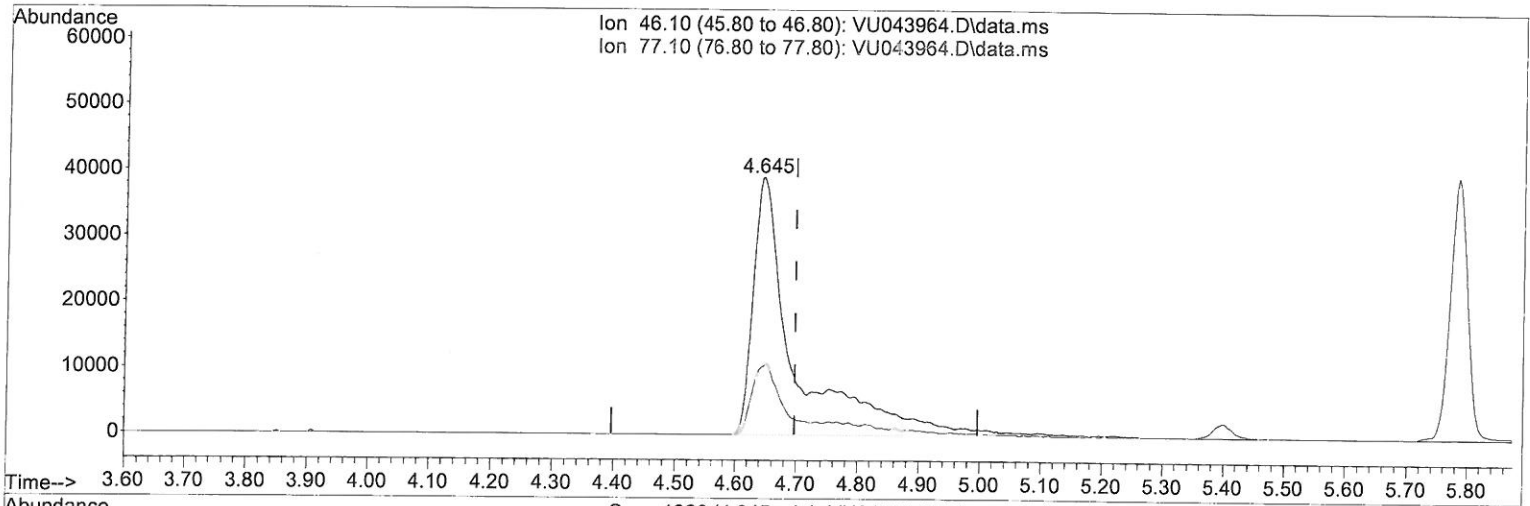
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Instrument :  
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 LabSampleId :  
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TIC: VU043964.D\data.ms

(20) 2-Butanone-d5 (S)

4.645min (-0.051) 41.93 ug/L m

response 173691

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 46.10 | 100.00 | 100.00 |
| 77.10 | 27.00  | 20.85  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

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 6/2/21

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_U\Data\VU052421\  
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Instrument :  
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 LabSampleId :  
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Manual Integrations  
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 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue May 25 07:46:23 2021  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response   | Conc   | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|--------|--------|----------|
| Internal Standards            |                |      |            |        |        |          |
| 1) 1,4-Difluorobenzene        | 6.260          | 114  | 234715     | 5.00   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 9.427          | 117  | 240000     | 5.00   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.819         | 152  | 134369     | 5.00   | ug/L   | 0.00     |
| System Monitoring Compounds   |                |      |            |        |        |          |
| 4) Vinyl Chloride-d3          | 1.604          | 65   | 57917      | 4.43   | ug/L   | 0.00     |
| Spiked Amount 5.000           | Range 40 - 130 |      | Recovery = | 88.60% |        |          |
| 7) Chloroethane-d5            | 1.919          | 69   | 43047      | 4.57   | ug/L   | 0.00     |
| Spiked Amount 5.000           | Range 65 - 130 |      | Recovery = | 91.40% |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.575          | 65   | 26395      | 4.15   | ug/L   | 0.00     |
| Spiked Amount 5.000           | Range 60 - 125 |      | Recovery = | 83.00% |        |          |
| 20) 2-Butanone-d5             | 4.645          | 46   | 173691m    | 41.93  | ug/L   | -0.05    |
| Spiked Amount 50.000          | Range 40 - 130 |      | Recovery = | 83.86% |        |          |
| 24) Chloroform-d              | 5.076          | 84   | 135638     | 4.50   | ug/L   | 0.00     |
| Spiked Amount 5.000           | Range 70 - 125 |      | Recovery = | 90.00% |        |          |
| 26) 1,2-Dichloroethane-d4     | 5.713          | 65   | 68679      | 4.45   | ug/L   | 0.00     |
| Spiked Amount 5.000           | Range 70 - 130 |      | Recovery = | 89.00% |        |          |
| 32) Benzene-d6                | 5.739          | 84   | 268678     | 4.41   | ug/L   | 0.00     |
| Spiked Amount 5.000           | Range 70 - 125 |      | Recovery = | 88.20% |        |          |
| 36) 1,2-Dichloropropane-d6    | 6.700          | 67   | 84469      | 4.35   | ug/L   | 0.00     |
| Spiked Amount 5.000           | Range 60 - 140 |      | Recovery = | 87.00% |        |          |
| 41) Toluene-d8                | 7.906          | 98   | 257400     | 4.59   | ug/L   | 0.00     |
| Spiked Amount 5.000           | Range 70 - 130 |      | Recovery = | 91.80% |        |          |
| 43) trans-1,3-Dichloroprop... | 8.189          | 79   | 33281      | 4.49   | ug/L   | 0.00     |
| Spiked Amount 5.000           | Range 55 - 130 |      | Recovery = | 89.80% |        |          |
| 46) 2-Hexanone-d5             | 8.645          | 63   | 153461     | 47.30  | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 45 - 130 |      | Recovery = | 94.60% |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.764         | 84   | 82261      | 4.61   | ug/L   | 0.00     |
| Spiked Amount 5.000           | Range 65 - 120 |      | Recovery = | 92.20% |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 12.201         | 152  | 107210     | 4.39   | ug/L   | 0.00     |
| Spiked Amount 5.000           | Range 80 - 120 |      | Recovery = | 87.80% |        |          |
| Target Compounds              |                |      |            |        |        |          |
| 2) Dichlorodifluoromethane    | 1.388          | 85   | 82324      | 5.11   | ug/L   | 97       |
| 3) Chloromethane              | 1.523          | 50   | 84549      | 5.04   | ug/L   | 100      |
| 5) Vinyl chloride             | 1.610          | 62   | 90818      | 5.78   | ug/L   | 99       |
| 6) Bromomethane               | 1.864          | 94   | 51457      | 5.38   | ug/L   | 98       |
| 8) Chloroethane               | 1.941          | 64   | 48049      | 5.60   | ug/L   | 96       |
| 9) Trichlorofluoromethane     | 2.147          | 101  | 111203     | 5.28   | ug/L   | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.588          | 101  | 83818      | 5.41   | ug/L   | 98       |
| 12) 1,1-Dichloroethene        | 2.588          | 96   | 81806      | 5.40   | ug/L   | 97       |
| 13) Acetone                   | 2.652          | 43   | 76905      | 35.20  | ug/L   | 68       |
| 14) Carbon disulfide          | 2.803          | 76   | 242810     | 5.31   | ug/L   | 100      |
| 15) Methyl Acetate            | 2.964          | 43   | 24384      | 3.98   | ug/L # | 74       |
| 16) Methylene chloride        | 3.054          | 84   | 94797      | 4.88   | ug/L   | 99       |
| 17) Methyl tert-butyl Ether   | 3.375          | 73   | 159456     | 4.86   | ug/L   | 99       |
| 18) trans-1,2-Dichloroethene  | 3.363          | 96   | 80473      | 5.19   | ug/L   | 96       |
| 19) 1,1-Dichloroethane        | 3.880          | 63   | 140875     | 5.21   | ug/L   | 100      |
| 21) 2-Butanone                | 4.726          | 43   | 188954m    | 43.58  | ug/L   | 97       |
| 22) cis-1,2-Dichloroethene    | 4.681          | 96   | 83760      | 4.97   | ug/L   | 97       |
| 23) Bromochloromethane        | 4.983          | 128  | 44173      | 5.10   | ug/L   | 96       |
| 25) Chloroform                | 5.099          | 83   | 151967     | 5.05   | ug/L   | 99       |

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| Compound                      | R.T.   | QIon | Response | Conc Units | Dev(Min) |
|-------------------------------|--------|------|----------|------------|----------|
| 27) 1,2-Dichloroethane        | 5.806  | 62   | 84766    | 4.76 ug/L  | 99       |
| 29) 1,1,1-Trichloroethane     | 5.327  | 97   | 126137   | 5.07 ug/L  | 99       |
| 30) Cyclohexane               | 5.401  | 56   | 112709   | 4.95 ug/L  | 97       |
| 31) Carbon tetrachloride      | 5.536  | 117  | 107448   | 5.05 ug/L  | 98       |
| 33) Benzene                   | 5.784  | 78   | 333892   | 5.15 ug/L  | 100      |
| 34) Trichloroethene           | 6.552  | 95   | 86631    | 5.13 ug/L  | 99       |
| 35) Methylcyclohexane         | 6.774  | 83   | 124294   | 5.05 ug/L  | 99       |
| 37) 1,2-Dichloropropane       | 6.800  | 63   | 85124    | 4.95 ug/L  | 100      |
| 38) Bromodichloromethane      | 7.115  | 83   | 105580   | 5.11 ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 7.616  | 75   | 109729   | 4.91 ug/L  | 100      |
| 40) 4-Methyl-2-pentanone      | 7.803  | 43   | 492432   | 50.86 ug/L | 99       |
| 42) Toluene                   | 7.977  | 91   | 372816   | 5.45 ug/L  | 99       |
| 44) trans-1,3-Dichloropropene | 8.218  | 75   | 98183    | 5.12 ug/L  | 97       |
| 45) 1,1,2-Trichloroethane     | 8.407  | 97   | 68975    | 5.25 ug/L  | 97       |
| 47) Tetrachloroethene         | 8.562  | 164  | 76806    | 5.28 ug/L  | 98       |
| 48) 2-Hexanone                | 8.697  | 43   | 381779   | 52.81 ug/L | 99       |
| 49) Dibromochloromethane      | 8.819  | 129  | 78900    | 5.18 ug/L  | 96       |
| 50) 1,2-Dibromoethane         | 8.931  | 107  | 63964    | 5.24 ug/L  | 98       |
| 51) Chlorobenzene             | 9.456  | 112  | 226489   | 5.07 ug/L  | 98       |
| 52) Ethylbenzene              | 9.578  | 91   | 348138   | 5.13 ug/L  | 99       |
| 53) m,p-Xylene                | 9.703  | 106  | 141102   | 5.26 ug/L  | 97       |
| 54) o-Xylene                  | 10.108 | 106  | 136209   | 5.36 ug/L  | 99       |
| 55) Styrene                   | 10.121 | 104  | 237799   | 5.43 ug/L  | 98       |
| 57) 1,1,2,2-Tetrachloroethane | 10.790 | 83   | 82710    | 5.04 ug/L  | 100      |
| 59) Bromoform                 | 10.298 | 173  | 46321    | 4.80 ug/L  | 99       |
| 60) Isopropylbenzene          | 10.491 | 105  | 345057   | 5.17 ug/L  | 99       |
| 61) 1,2,3-Trichloropropane    | 10.832 | 75   | 58959    | 4.78 ug/L  | 98       |
| 62) 1,3,5-Trimethylbenzene    | 11.095 | 105  | 268463   | 5.08 ug/L  | 99       |
| 63) 1,2,4-Trimethylbenzene    | 11.475 | 105  | 279104   | 5.16 ug/L  | 99       |
| 64) 1,3-Dichlorobenzene       | 11.755 | 146  | 187359   | 5.05 ug/L  | 98       |
| 65) 1,4-Dichlorobenzene       | 11.845 | 146  | 186988   | 5.04 ug/L  | 98       |
| 67) 1,2-Dichlorobenzene       | 12.221 | 146  | 178889   | 5.01 ug/L  | 99       |
| 68) 1,2-Dibromo-3-chloropr... | 13.005 | 75   | 11343    | 4.81 ug/L  | 95       |
| 69) 1,3,5-Trichlorobenzene    | 13.227 | 180  | 142786   | 4.88 ug/L  | 99       |
| 70) 1,2,4-trichlorobenzene    | 13.848 | 180  | 107988   | 4.70 ug/L  | 100      |
| 71) Naphthalene               | 14.095 | 128  | 164459   | 4.47 ug/L  | 99       |
| 72) 1,2,3-Trichlorobenzene    | 14.336 | 180  | 107779   | 4.92 ug/L  | 99       |

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