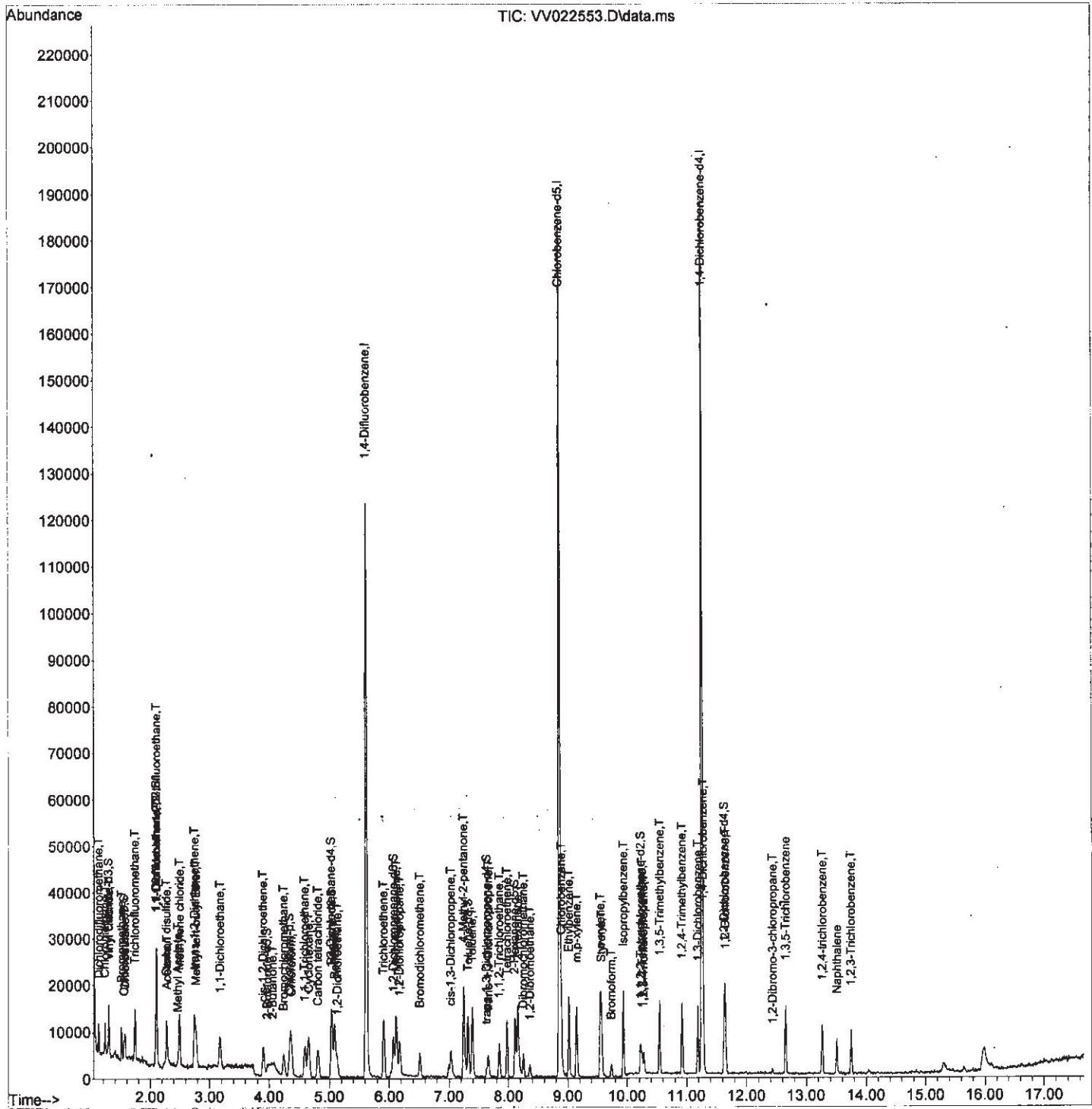


**Instrument :**  
MSVOA\_V  
**ClientSampleId :**  
VSTD0.5230

MMDadoda  
10/5/2021 12:45:00 PM

Quant Time: Oct 05 01:38:19 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR100421WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Tue Oct 05 01:37:29 2021  
Response via : Initial Calibration



## Quantitation Report (Qedit)

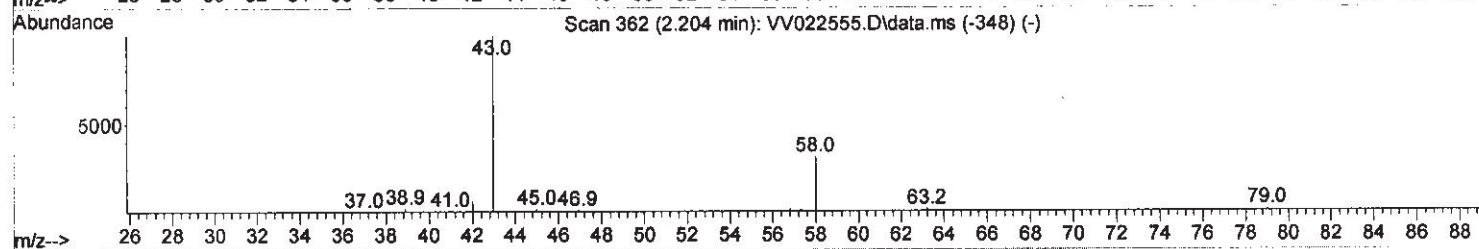
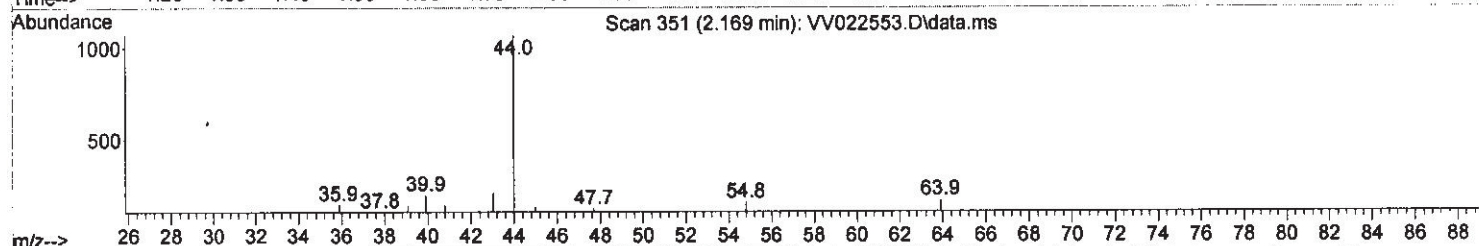
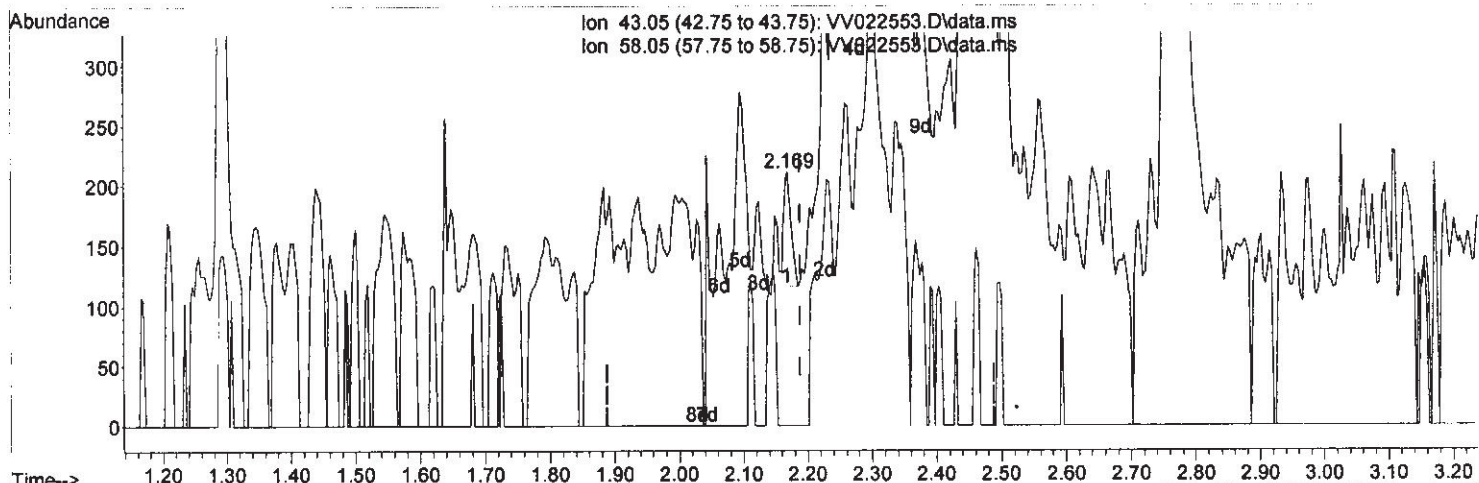
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV100421\  
Data File : VV022553.D  
Acq On : 04 Oct 2021 13:28  
Operator : SY/MD  
Sample : VSTD0.530  
Misc : 25.0mL/MSVOA\_V/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD0.5230

Manual Integrations  
APPROVED

MMDadoda  
10/5/2021 12:45:00 PM

Quant Time: Oct 08 00:12:11 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR100421WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Thu Oct 07 07:45:03 2021  
Response via : Initial Calibration



TIC: VV022553.D\data.ms

(13) Acetone (T)

2.169min (-0.019) 0.07 ug/L

response 78

| Ion   | Exp%   | Act%    |
|-------|--------|---------|
| 43.05 | 100.00 | 100.00  |
| 58.05 | 8.80   | 143.59# |
| 0.00  | 0.00   | 0.00    |
| 0.00  | 0.00   | 0.00    |

# Quantitation Report (Qedit)

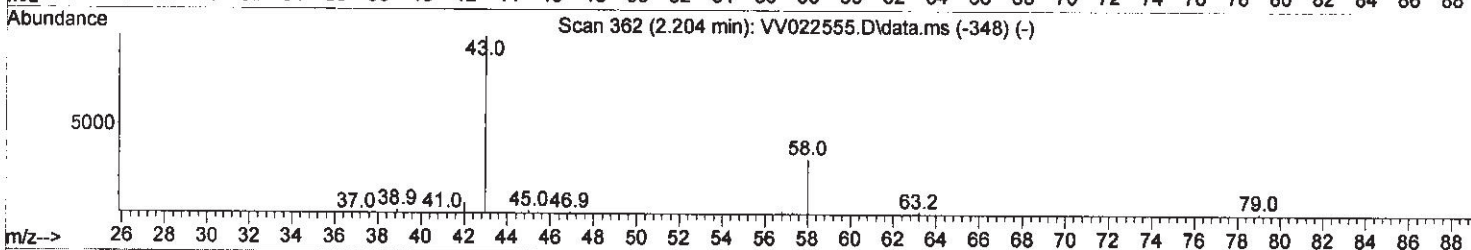
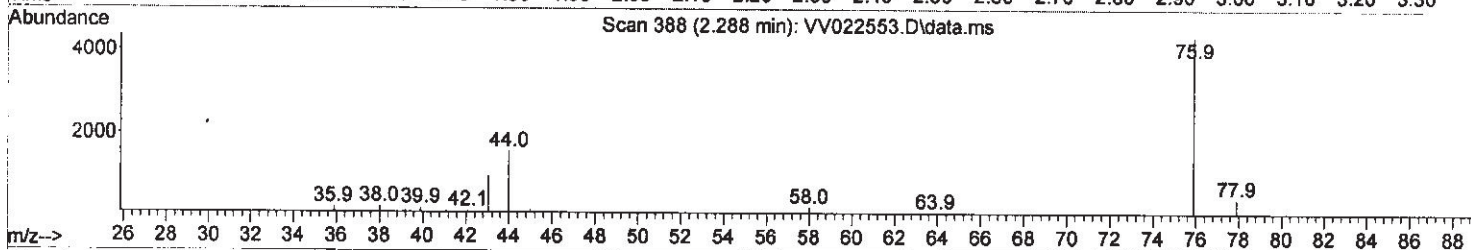
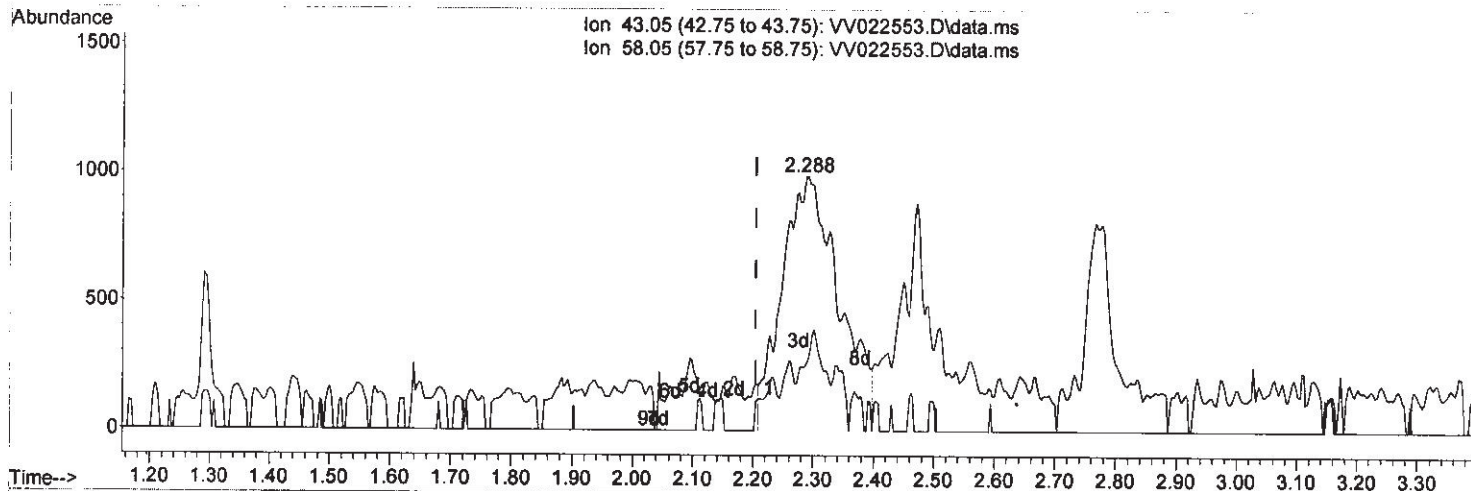
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV100421\  
 Data File : VV022553.D  
 Acq On : 04 Oct 2021 13:28  
 Operator : SY/MD  
 Sample : VSTD0.530  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD0.5230

Manual Integrations  
 APPROVED

MMDadoda  
 10/5/2021 12:45:00 PM

Quant Time: Oct 05 01:38:19 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR100421WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Oct 05 01:37:29 2021  
 Response via : Initial Calibration



TIC: VV022553.D\data.ms

(13) Acetone (T)

2.288min (+ 0.084) 5.30 ug/L m

response 6527

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 43.05 | 100.00 | 100.00 |
| 58.05 | 8.80   | 3.86   |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

# Quantitation Report (Qedit)

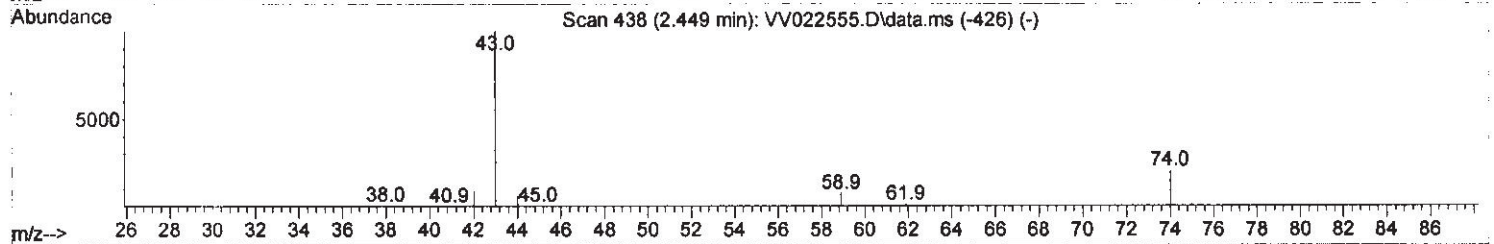
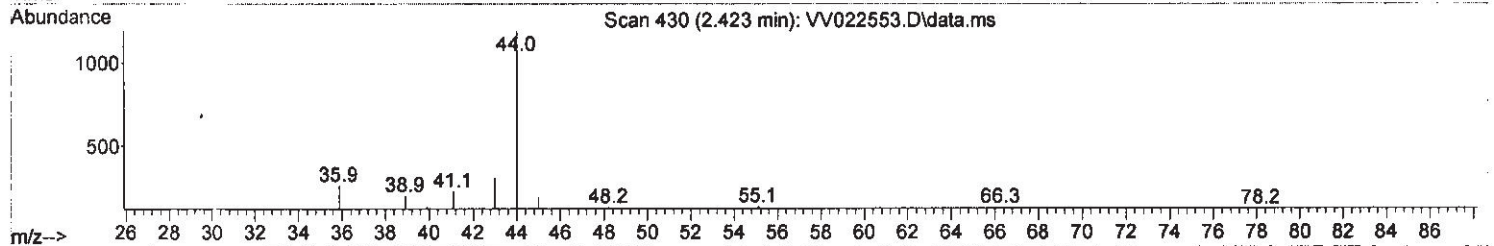
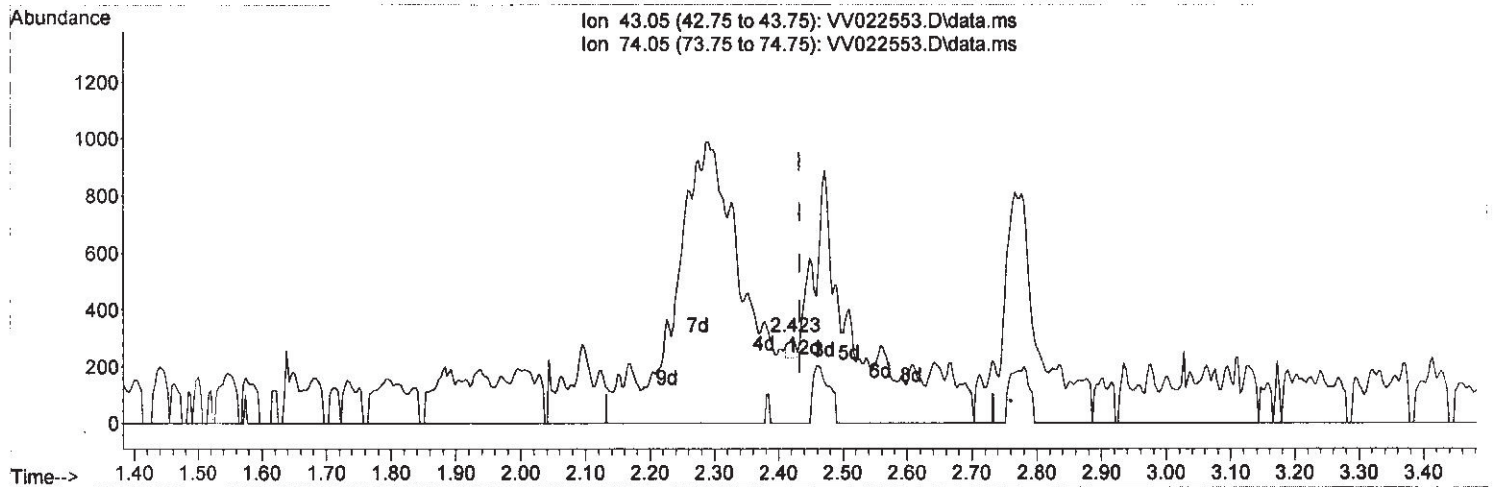
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV100421\  
 Data File : VV022553.D  
 Acq On : 04 Oct 2021 13:28  
 Operator : SY/MD  
 Sample : VSTD0.530  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD0.5230

Manual Integrations  
 APPROVED

MMDadoda  
 10/5/2021 12:45:00 PM

Quant Time: Oct 08 00:12:11 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR100421WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Oct 07 07:45:03 2021  
 Response via : Initial Calibration



TIC: VV022553.D\data.ms

(15) Methyl Acetate (T)

2.423min (-0.010) 0.02 ug/L

response 60

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 43.05 | 100.00 | 100.00 |
| 74.05 | 16.20  | 0.00#  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

# Quantitation Report (Qedit)

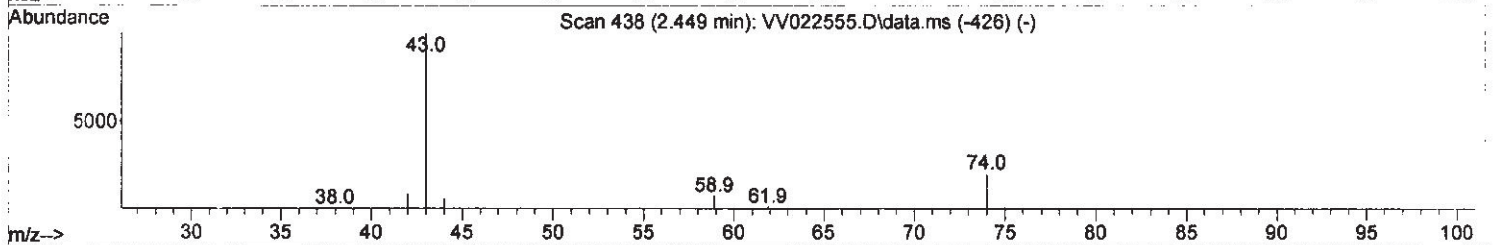
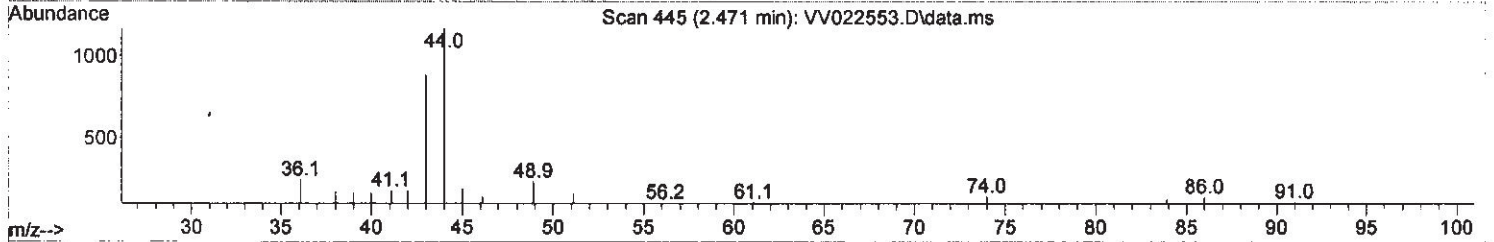
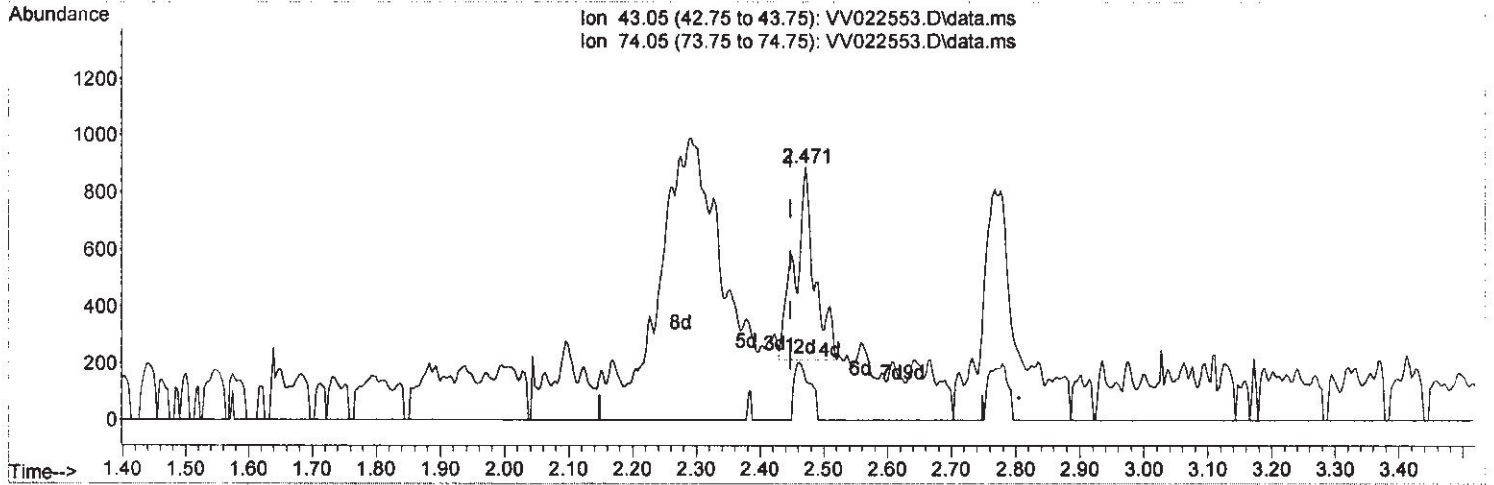
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV100421\  
 Data File : VV022553.D  
 Acq On : 04 Oct 2021 13:28  
 Operator : SY/MD  
 Sample : VSTD0.530  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD0.5230

Manual Integrations  
 APPROVED

MMDadoda  
 10/5/2021 12:45:00 PM

Quant Time: Oct 05 01:38:19 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR100421WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Oct 05 01:37:29 2021  
 Response via : Initial Calibration



TIC: VV022553.D\data.ms

(15) Methyl Acetate (T)

2.471min (+ 0.022) 0.50 ug/L m

*MD*  
*10/5/21*

response 1453

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 43.05 | 100.00 | 100.00 |
| 74.05 | 16.20  | 0.00#  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

## Quantitation Report (Qedit)

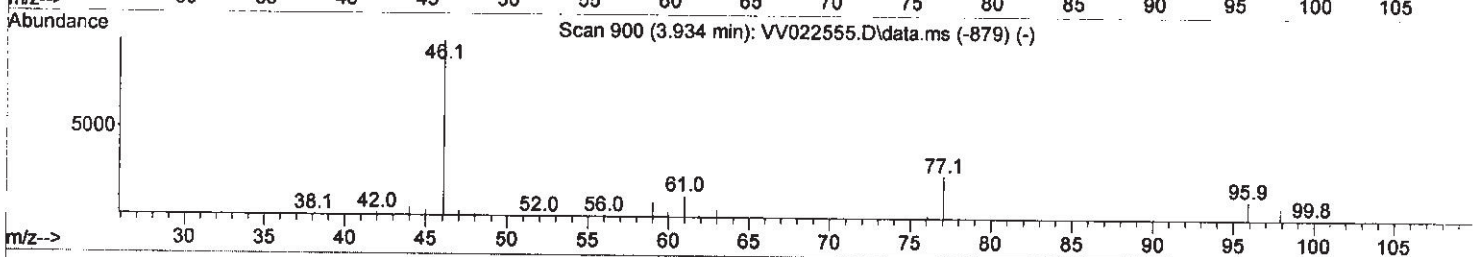
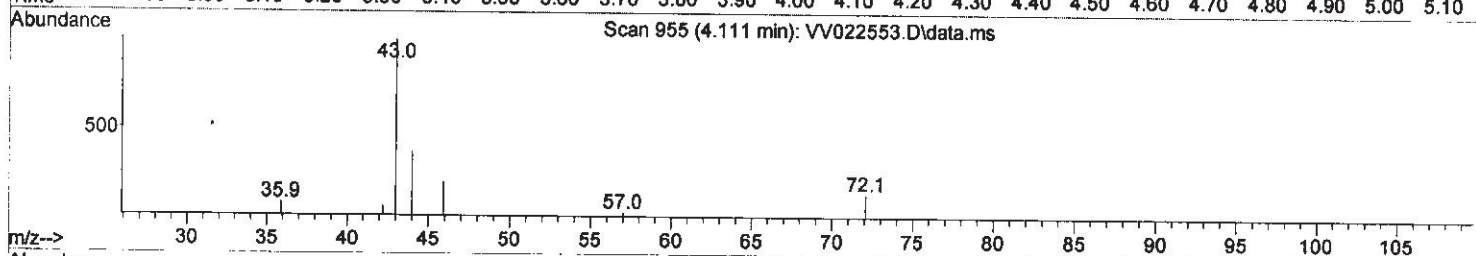
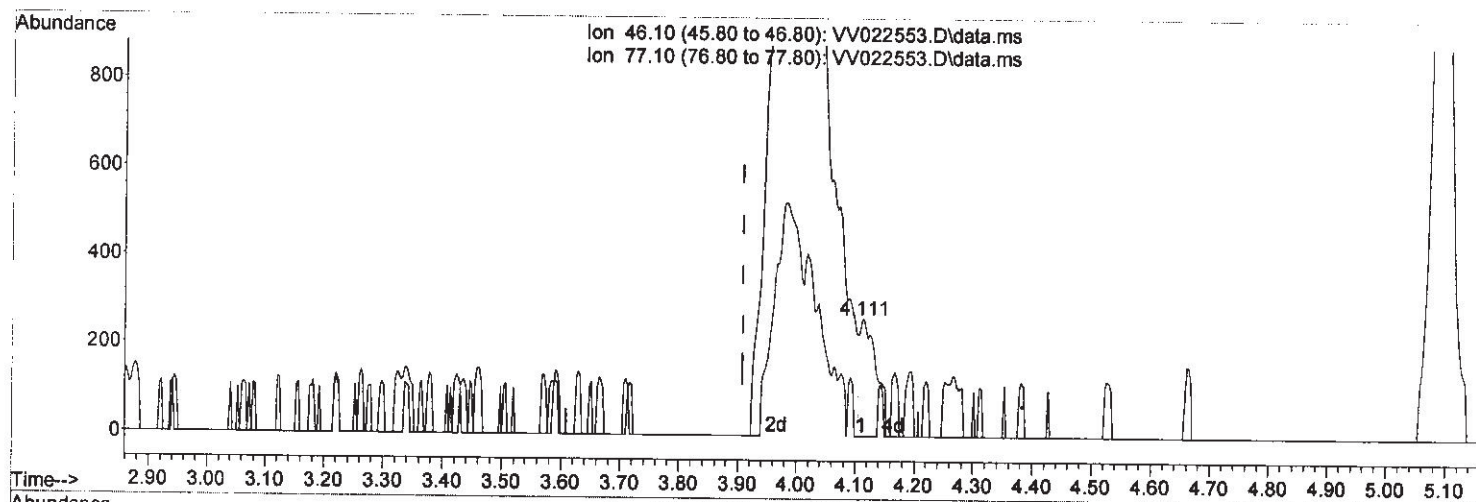
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV100421\  
Data File : VV022553.D  
Acq On : 04 Oct 2021 13:28  
Operator : SY/MD  
Sample : VSTD0.530  
Misc : 25.0mL/MSVOA\_V/WATER  
ALS Vial : 5 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
VSTD0.5230

Manual Integrations  
APPROVED

MMDadoda  
10/5/2021 12:45:00 PM

Quant Time: Oct 08 00:12:11 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR100421WMA.M  
Quant Title : TRACE VOA SFAM1.0  
QLast Update : Thu Oct 07 07:45:03 2021  
Response via : Initial Calibration



TIC: VV022553.D\data.ms

(20) 2-Butanone-d5 (S)

4.111min (+ 0.202) 0.24 ug/L

response 505

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 46.10 | 100.00 | 100.00 |
| 77.10 | 17.30  | 13.86  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

# Quantitation Report (Qedit)

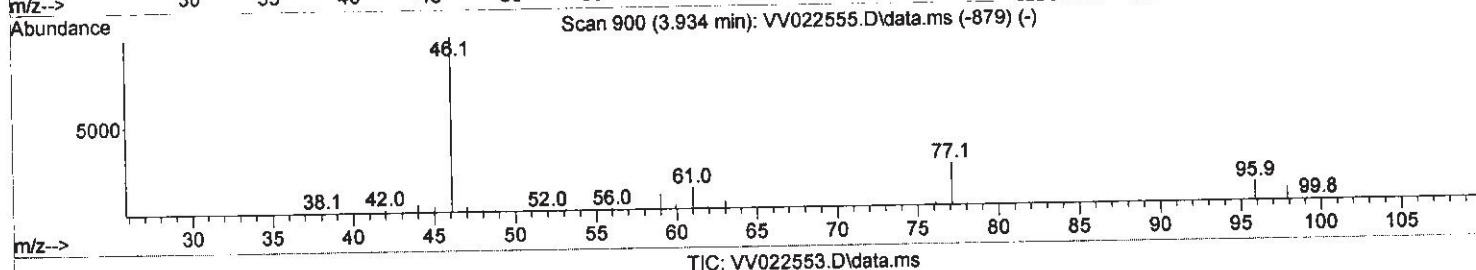
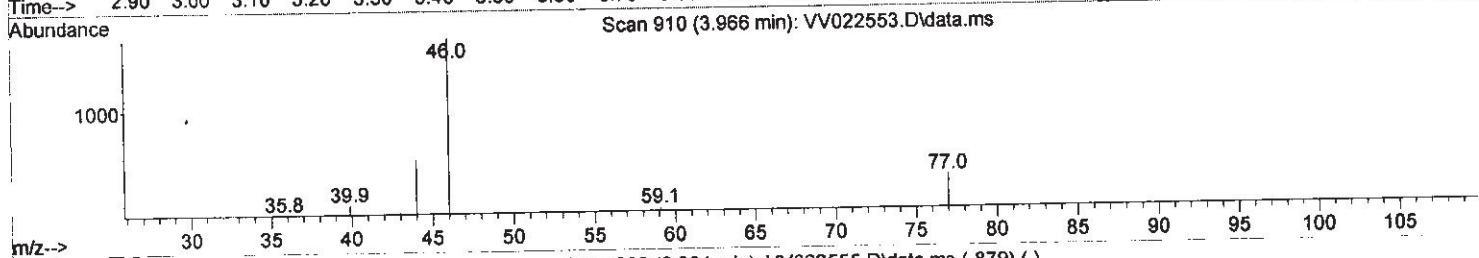
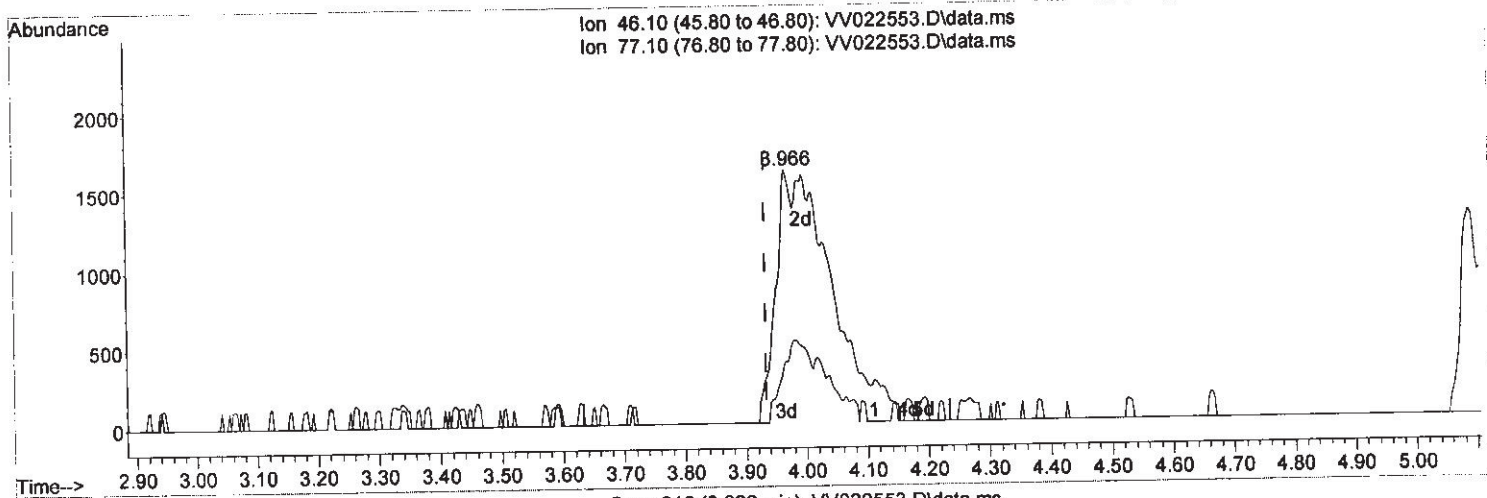
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW100421\  
 Data File : VW022553.D  
 Acq On : 04 Oct 2021 13:28  
 Operator : SY/MD  
 Sample : VSTD0.530  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD0.5230

Manual Integrations  
 APPROVED

MMDadoda  
 10/5/2021 12:45:00 PM

Quant Time: Oct 05 01:38:19 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR100421WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Oct 05 01:37:29 2021  
 Response via : Initial Calibration



(20) 2-Butanone-d5 (8)

3.966min (+ 0.032) 4.50 ug/L m

response 9762

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 46.10 | 100.00 | 100.00 |
| 77.10 | 17.30  | 0.72#  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

# Quantitation Report (Qedit)

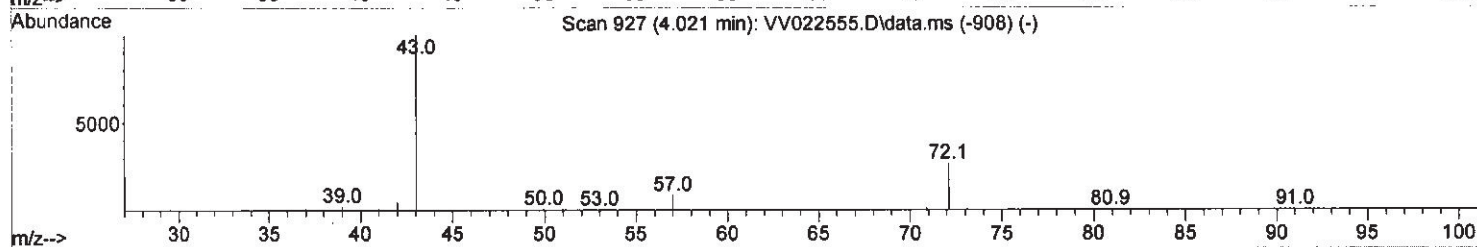
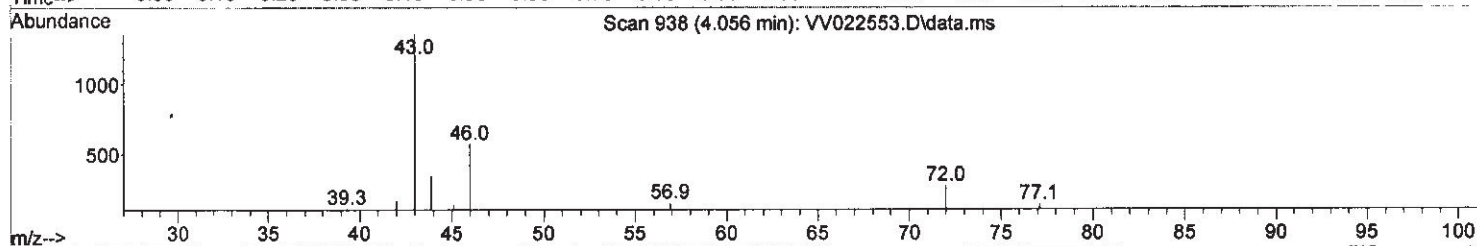
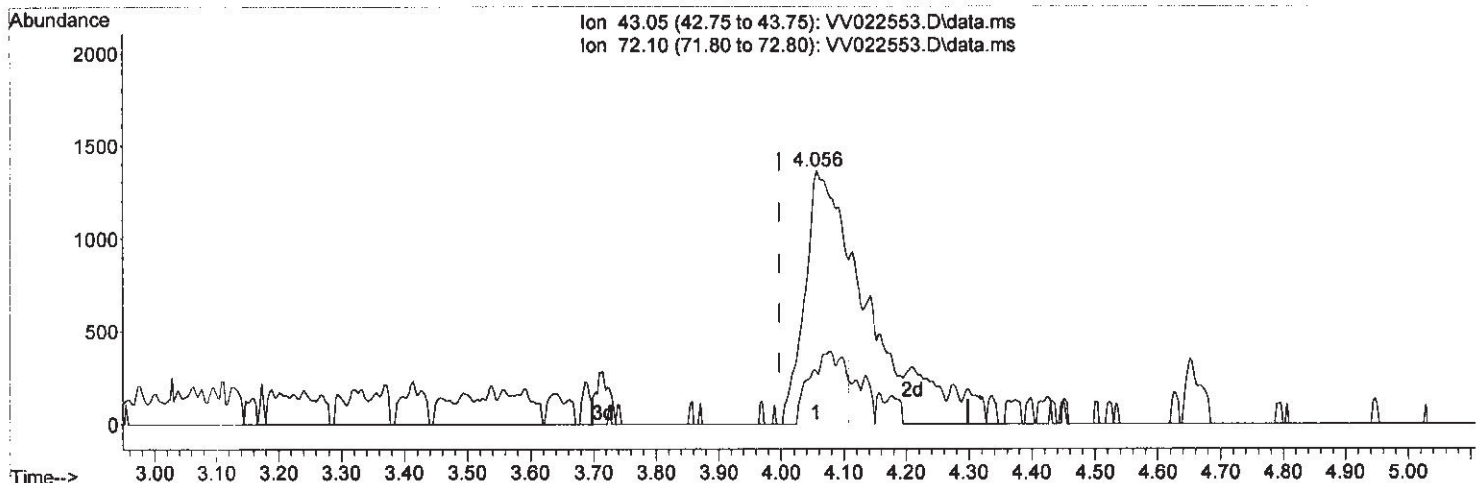
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV100421\  
 Data File : VV022553.D  
 Acq On : 04 Oct 2021 13:28  
 Operator : SY/MD  
 Sample : VSTD0.530  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD0.5230

Manual Integrations  
 APPROVED

MMDadoda  
 10/5/2021 12:45:00 PM

Quant Time: Oct 08 00:12:11 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR100421WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Thu Oct 07 07:45:03 2021  
 Response via : Initial Calibration



TIC: VV022553.D\data.ms

(21) 2-Butanone (T)

4.056min (+ 0.058) 3.10 ug/L

response 5510

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 43.05 | 100.00 | 100.00 |
| 72.10 | 25.40  | 8.73#  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

# Quantitation Report (Qedit)

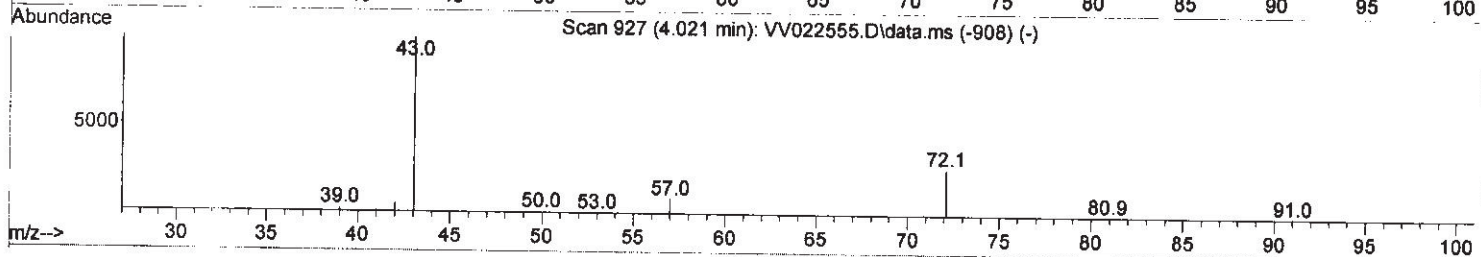
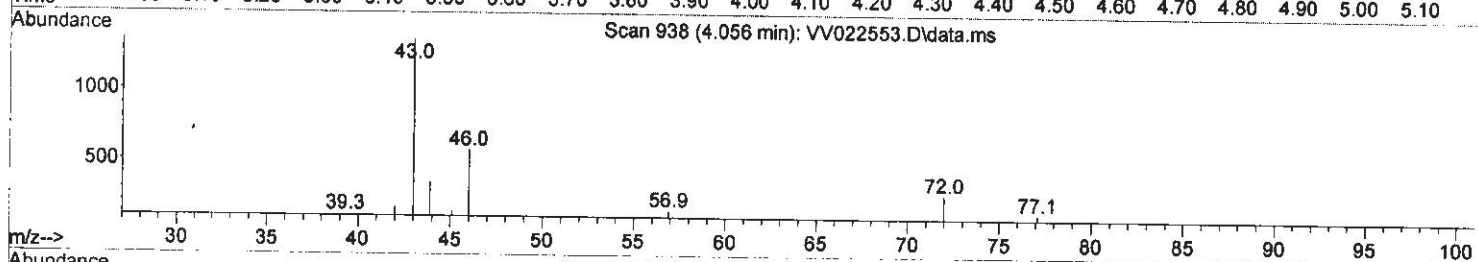
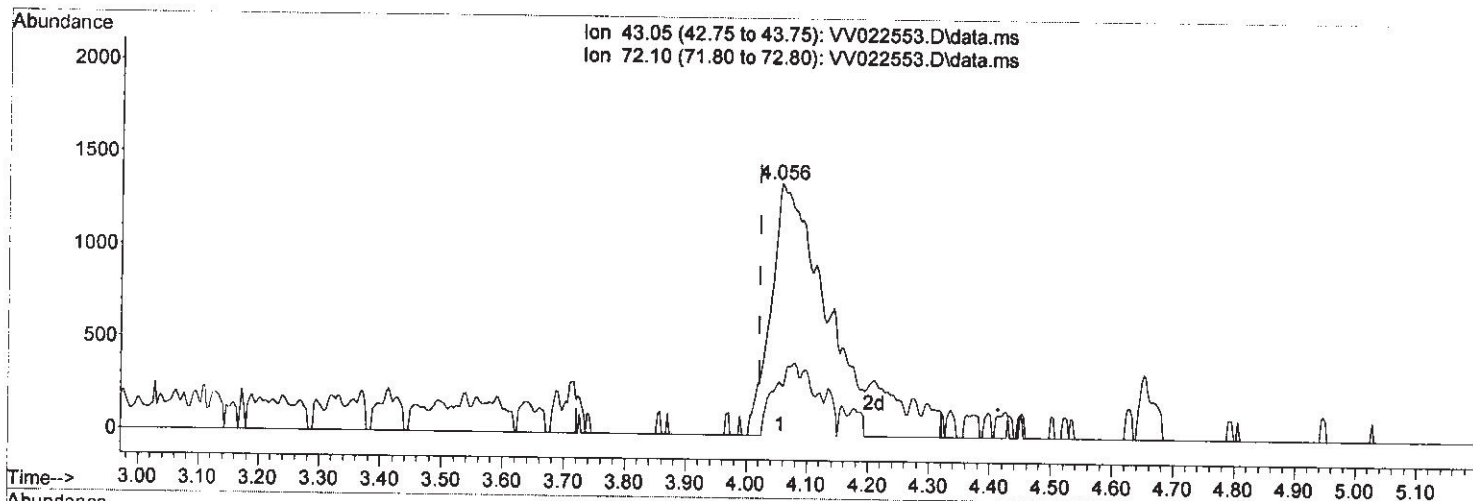
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV100421\  
 Data File : VV022553.D  
 Acq On : 04 Oct 2021 13:28  
 Operator : SY/MD  
 Sample : VSTD0.530  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD0.5230

Manual Integrations  
 APPROVED

MMDadoda  
 10/5/2021 12:45:00 PM

Quant Time: Oct 05 01:38:19 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR100421WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Oct 05 01:37:29 2021  
 Response via : Initial Calibration



TIC: VV022553.D\data.ms

(21) 2-Butanone (T)

4.056min (+ 0.035) 4.41 ug/L *3 m.d 10/5/21*

response 8254

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 43.05 | 100.00 | 100.00 |
| 72.10 | 25.40  | 5.83#  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV100421\  
 Data File : VV022553.D  
 Acq On : 04 Oct 2021 13:28  
 Operator : SY/MD  
 Sample : VSTD0.530  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD0.5230

Manual Integrations  
 APPROVED

MMDadoda  
 10/5/2021 12:45:00 PM

Quant Time: Oct 05 01:38:19 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR100421WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Oct 05 01:37:29 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| Internal Standards            |        |      |          |       |        |          |
| 1) 1,4-Difluorobenzene        | 5.609  | 114  | 108900   | 5.000 | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.850  | 117  | 102842   | 5.000 | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.249 | 152  | 50584    | 5.000 | ug/L   | 0.00     |
| System Monitoring Compounds   |        |      |          |       |        |          |
| 4) Vinyl Chloride-d3          | 1.294  | 65   | 1852     | 0.370 | ug/L   | 0.00     |
| 7) Chloroethane-d5            | 1.555  | 69   | 2386     | 0.397 | ug/L   | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 2.098  | 63   | 5266     | 0.425 | ug/L   | 0.00     |
| 20) 2-Butanone-d5             | 3.966  | 46   | 9762m    | 4.495 | ug/L   | 0.03     |
| 24) Chloroform-d              | 4.342  | 84   | 6735     | 0.442 | ug/L   | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 5.034  | 65   | 3061     | 0.423 | ug/L   | 0.00     |
| 32) Benzene-d6                | 5.040  | 84   | 11330    | 0.410 | ug/L   | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 6.069  | 67   | 4131     | 0.475 | ug/L   | 0.00     |
| 41) Toluene-d8                | 7.317  | 98   | 8914     | 0.364 | ug/L   | 0.00     |
| 43) trans-1,3-Dichloroprop... | 7.628  | 79   | 984      | 0.372 | ug/L   | 0.00     |
| 46) 2-Hexanone-d5             | 8.104  | 63   | 4848     | 2.993 | ug/L   | 0.00     |
| 56) 1,1,2,2-Tetrachloroeth... | 10.220 | 84   | 2995     | 0.411 | ug/L   | 0.00     |
| 66) 1,2-Dichlorobenzene-d4    | 11.628 | 152  | 4284     | 0.474 | ug/L   | 0.00     |
| Target Compounds              |        |      |          |       |        |          |
|                               |        |      |          |       | Qvalue |          |
| 2) Dichlorodifluoromethane    | 1.124  | 85   | 3649     | 0.431 | ug/L   | 96       |
| 3) Chloromethane              | 1.230  | 50   | 4002     | 0.472 | ug/L   | 98       |
| 5) Vinyl chloride             | 1.297  | 62   | 3916     | 0.477 | ug/L # | 82       |
| 6) Bromomethane               | 1.510  | 94   | 2829     | 0.536 | ug/L   | 84       |
| 8) Chloroethane               | 1.574  | 64   | 2874     | 0.554 | ug/L   | 99       |
| 9) Trichlorofluoromethane     | 1.738  | 101  | 5679     | 0.490 | ug/L   | 98       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.105  | 101  | 3401     | 0.497 | ug/L   | 99       |
| 12) 1,1-Dichloroethene        | 2.108  | 96   | 3300     | 0.526 | ug/L   | 94       |
| 13) Acetone                   | 2.288  | 43   | 6527m    | 5.295 | ug/L   |          |
| 14) Carbon disulfide          | 2.278  | 76   | 9164     | 0.444 | ug/L   | 98       |
| 15) Methyl Acetate            | 2.471  | 43   | 1453m    | 0.500 | ug/L   |          |
| 16) Methylene chloride        | 2.497  | 84   | 4378     | 0.417 | ug/L   | 98       |
| 17) Methyl tert-butyl Ether   | 2.773  | 73   | 8214     | 0.499 | ug/L # | 88       |
| 18) trans-1,2-Dichloroethene  | 2.748  | 96   | 3307     | 0.449 | ug/L   | 87       |
| 19) 1,1-Dichloroethane        | 3.172  | 63   | 6027     | 0.466 | ug/L   | 95       |
| 21) 2-Butanone                | 4.056  | 43   | 8254m    | 4.415 | ug/L   |          |
| 22) cis-1,2-Dichloroethene    | 3.899  | 96   | 3735     | 0.504 | ug/L   | 96       |
| 23) Bromochloromethane        | 4.239  | 128  | 1760     | 0.512 | ug/L   | 78       |
| 25) Chloroform                | 4.371  | 83   | 7093     | 0.526 | ug/L   | 87       |
| 27) 1,2-Dichloroethane        | 5.137  | 62   | 3378     | 0.441 | ug/L # | 91       |
| 29) 1,1,1-Trichloroethane     | 4.593  | 97   | 5174     | 0.465 | ug/L   | 94       |
| 30) Cyclohexane               | 4.657  | 56   | 4588     | 0.426 | ug/L   | 91       |
| 31) Carbon tetrachloride      | 4.809  | 117  | 4332     | 0.459 | ug/L   | 92       |
| 33) Benzene                   | 5.088  | 78   | 11479    | 0.418 | ug/L   | 100      |
| 34) Trichloroethene           | 5.908  | 95   | 4200     | 0.593 | ug/L   | 92       |
| 35) Methylcyclohexane         | 6.120  | 83   | 4849     | 0.437 | ug/L   | 96       |
| 37) 1,2-Dichloropropane       | 6.172  | 63   | 3022     | 0.437 | ug/L # | 86       |
| 38) Bromodichloromethane      | 6.510  | 83   | 3904     | 0.463 | ug/L   | 94       |
| 39) cis-1,3-Dichloropropene   | 7.030  | 75   | 3675     | 0.403 | ug/L   | 98       |
| 40) 4-Methyl-2-pentanone      | 7.246  | 43   | 14521    | 3.393 | ug/L   | 98       |
| 42) Toluene                   | 7.390  | 91   | 11639    | 0.402 | ug/L   | 99       |

m 2  
 10/19/21

m 2  
 10/19/21

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV100421\  
 Data File : VV022553.D  
 Acq On : 04 Oct 2021 13:28  
 Operator : SY/MD  
 Sample : VSTD0.530  
 Misc : 25.0mL/MSVOA\_V/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD0.5230

Manual Integrations  
 APPROVED

MMDadoda  
 10/5/2021 12:45:00 PM

Quant Time: Oct 05 01:38:19 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVTR100421WMA.M  
 Quant Title : TRACE VOA SFAM1.0  
 QLast Update : Tue Oct 05 01:37:29 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 44) trans-1,3-Dichloropropene | 7.657  | 75   | 2829     | 0.366 | ug/L # | 80       |
| 45) 1,1,2-Trichloroethane     | 7.844  | 97   | 2255     | 0.435 | ug/L   | 90       |
| 47) Tetrachloroethene         | 7.972  | 164  | 2706     | 0.456 | ug/L   | 86       |
| 48) 2-Hexanone                | 8.156  | 43   | 9967     | 3.321 | ug/L   | 98       |
| 49) Dibromochloromethane      | 8.246  | 129  | 2376     | 0.416 | ug/L   | 97       |
| 50) 1,2-Dibromoethane         | 8.358  | 107  | 1955     | 0.406 | ug/L # | 95       |
| 51) Chlorobenzene             | 8.882  | 112  | 8298     | 0.435 | ug/L   | 93       |
| 52) Ethylbenzene              | 9.011  | 91   | 11915    | 0.396 | ug/L   | 93       |
| 53) m,p-xylene                | 9.140  | 106  | 4065     | 0.351 | ug/L   | 100      |
| 54) o-xylene                  | 9.545  | 106  | 4538     | 0.402 | ug/L   | 82       |
| 55) Styrene                   | 9.564  | 104  | 6669     | 0.351 | ug/L   | 85       |
| 57) 1,1,2,2-Tetrachloroethane | 10.242 | 83   | 2090     | 0.334 | ug/L   | 92       |
| 59) Bromoform                 | 9.731  | 173  | 1249     | 0.434 | ug/L # | 94       |
| 60) Isopropylbenzene          | 9.931  | 105  | 11169    | 0.397 | ug/L   | 98       |
| 61) 1,2,3-Trichloropropane    | 10.278 | 75   | 1892     | 0.442 | ug/L # | 86       |
| 62) 1,3,5-Trimethylbenzene    | 10.538 | 105  | 8498     | 0.370 | ug/L   | 99       |
| 63) 1,2,4-Trimethylbenzene    | 10.918 | 105  | 8312     | 0.363 | ug/L   | 98       |
| 64) 1,3-Dichlorobenzene       | 11.185 | 146  | 5924     | 0.424 | ug/L   | 99       |
| 65) 1,4-Dichlorobenzene       | 11.275 | 146  | 6585     | 0.466 | ug/L   | 93       |
| 67) 1,2-Dichlorobenzene       | 11.644 | 146  | 5456     | 0.411 | ug/L   | 92       |
| 68) 1,2-Dibromo-3-chloropr... | 12.432 | 75   | 311      | 0.366 | ug/L # | 72       |
| 69) 1,3,5-Trichlorobenzene    | 12.648 | 180  | 4497     | 0.427 | ug/L   | 94       |
| 70) 1,2,4-trichlorobenzene    | 13.265 | 180  | 3558     | 0.427 | ug/L   | 95       |
| 71) Naphthalene               | 13.506 | 128  | 5472     | 0.366 | ug/L   | 98       |
| 72) 1,2,3-Trichlorobenzene    | 13.744 | 180  | 3093     | 0.394 | ug/L   | 98       |

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