

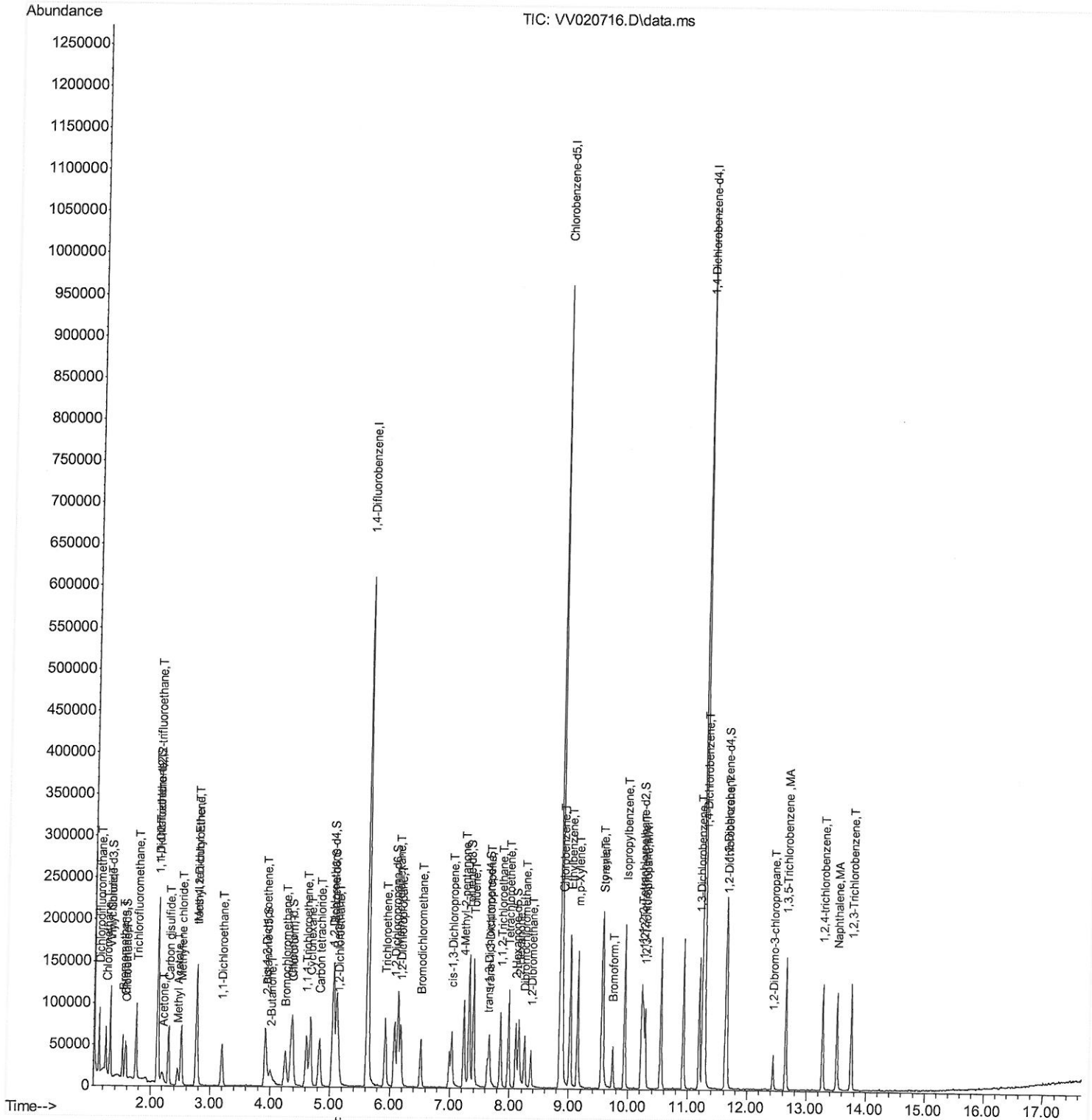
```
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\Data\WV032321\  
Data File : WV020716.D  
Acq On    : 23 Mar 2021  17:27  
Operator  : SY/MD  
Sample    : VSTD01065  
Misc      : 5.0mL/MSVOA_V/WATER  
ALS Vial  : 8   Sample Multiplier: 1
```

**Instrument :**  
MSVOA\_V  
**ClientSampleId :**  
VSTD01065

## Manual Integrations

MMDadoda  
3/24/2021 2:14:25 PM

Quant Time: Mar 24 04:34:06 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SOMVLM032321WMA.M  
Quant Title : VOC Analysis  
QLast Update : Wed Mar 24 04:32:38 2021  
Response via : Initial Calibration



# Quantitation Report (Qedit)

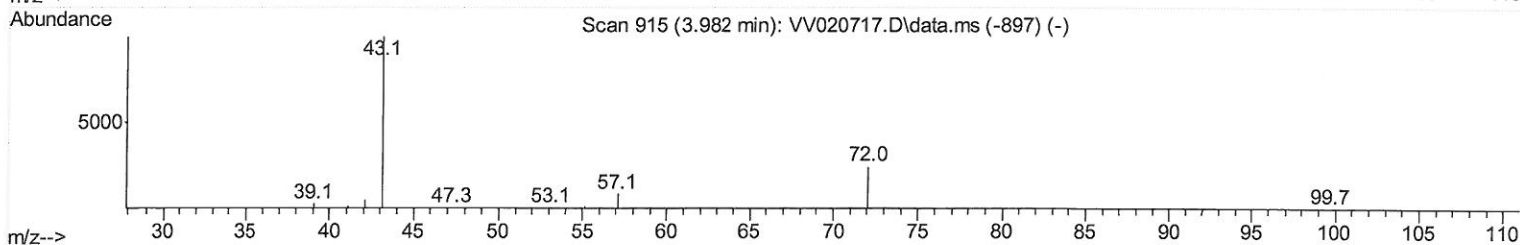
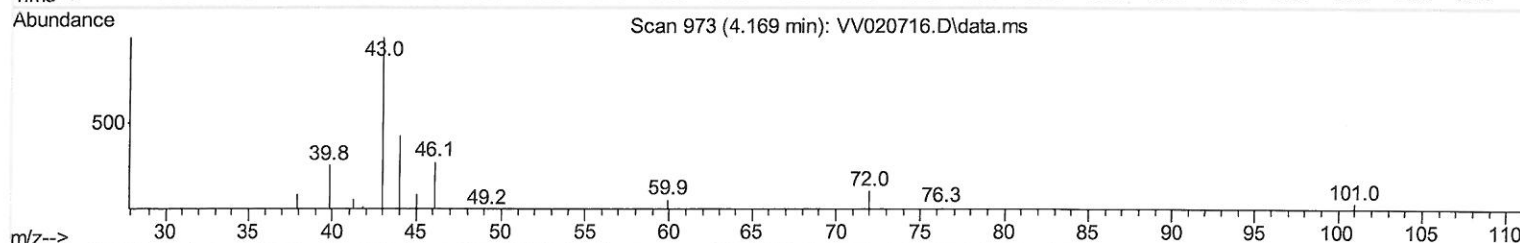
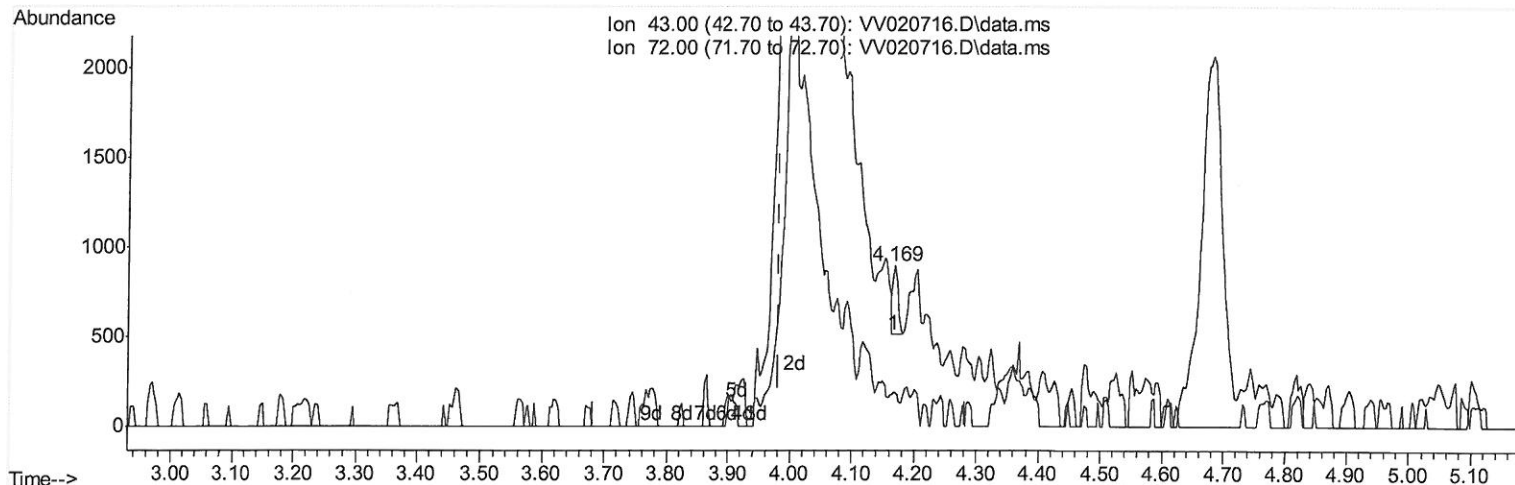
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV032321\  
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TIC: VV020716.D\data.ms

(22) 2-Butanone (T)

4.169min (+ 0.186) 0.07 ug/L

response 211

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 43.00 | 100.00 | 100.00 |
| 72.00 | 23.90  | 35.55  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

# Quantitation Report (Qedit)

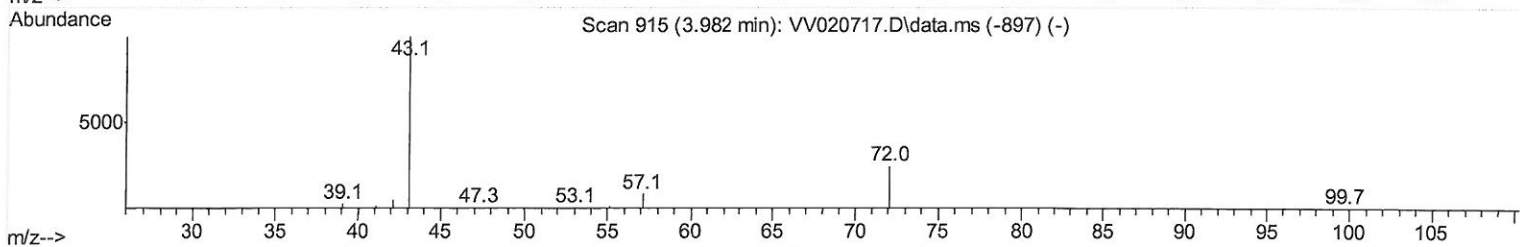
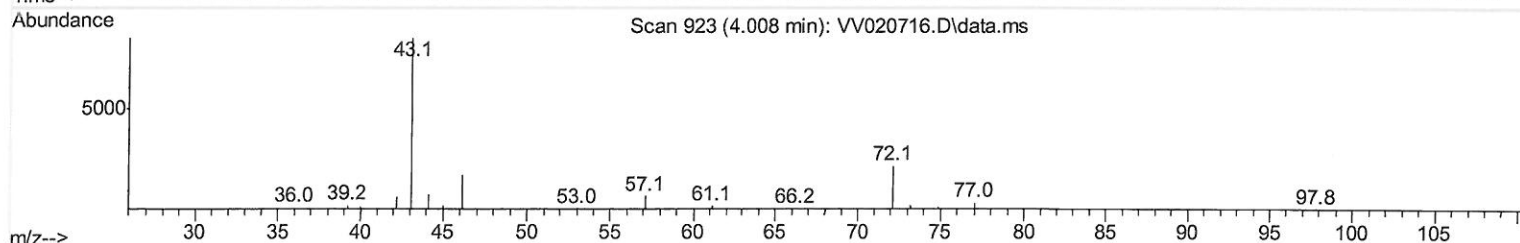
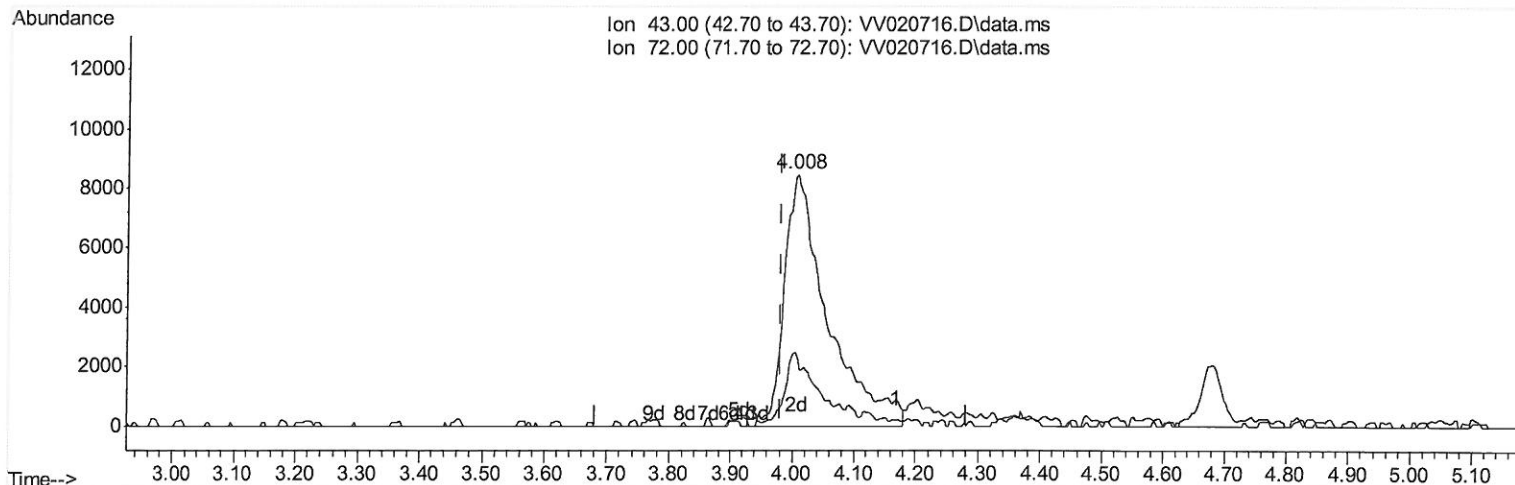
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW032321\  
 Data File : VW020716.D  
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Manual Integrations  
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TIC: VW020716.D\data.ms

(22) 2-Butanone (T)

4.008min (+ 0.026) 14.19 ug/L m

response 40696

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 43.00 | 100.00 | 100.00 |
| 72.00 | 23.90  | 0.18#  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

7 MD  
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# Quantitation Report (Qedit)

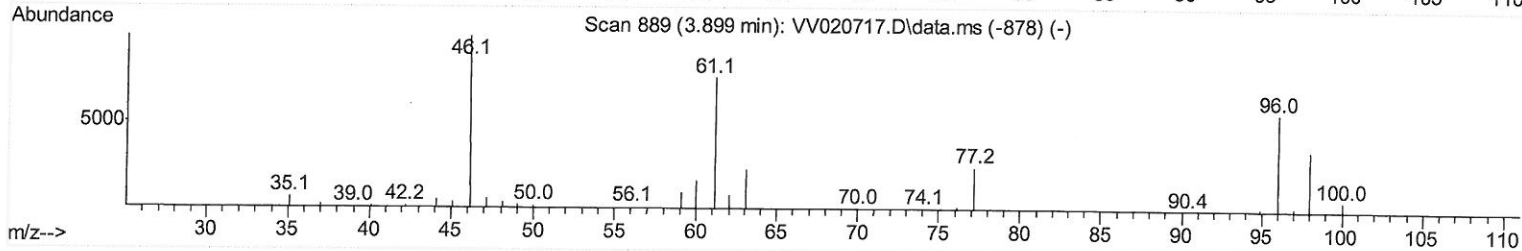
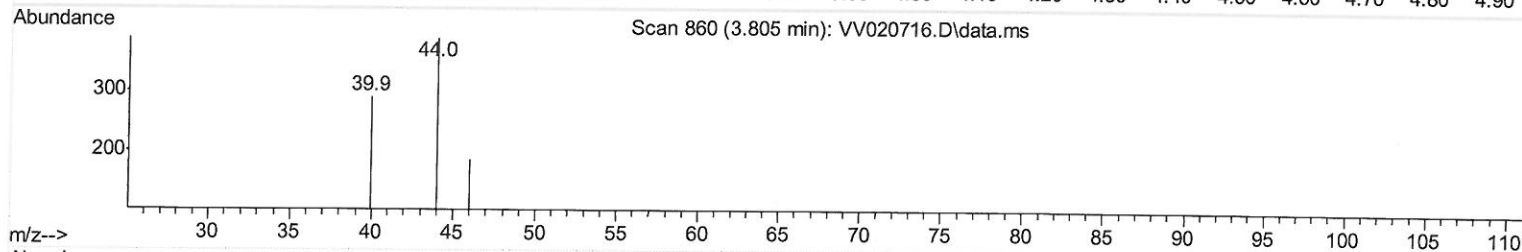
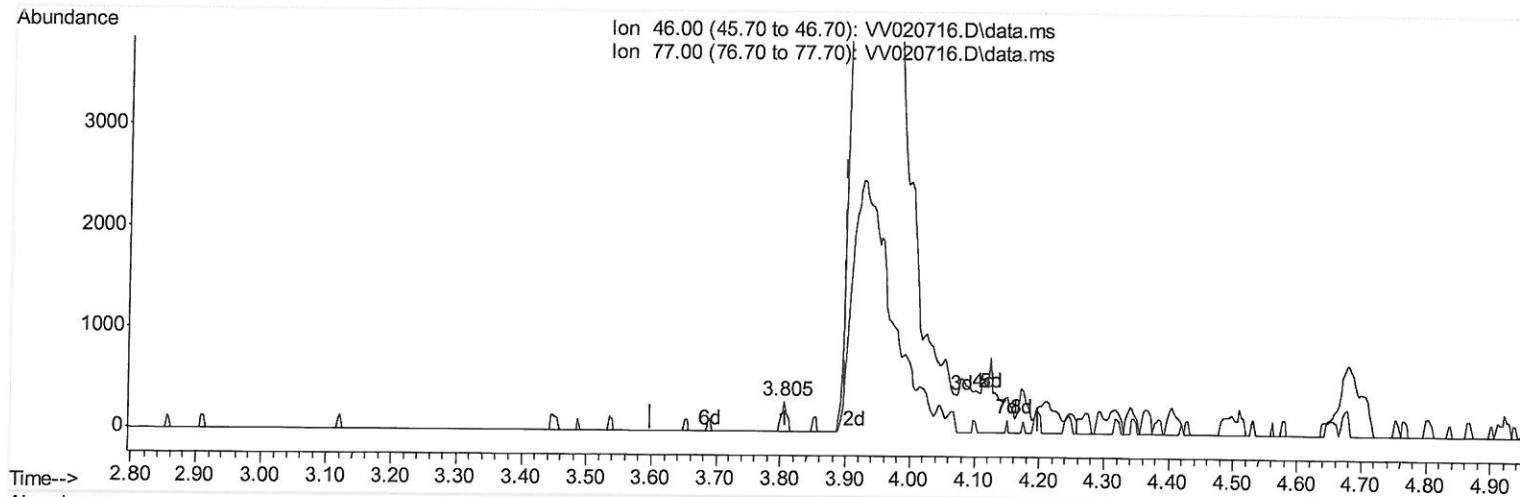
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV032321\  
 Data File : VV020716.D  
 Acq On : 23 Mar 2021 17:27  
 Operator : SY/MD  
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Manual Integrations  
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TIC: VV020716.D\data.ms

(21) 2-Butanone-d5 (S)

3.805min (-0.093) 0.06 ug/L

response 165

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 46.00 | 100.00 | 100.00 |
| 77.00 | 24.10  | 30.30  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

# Quantitation Report (Qedit)

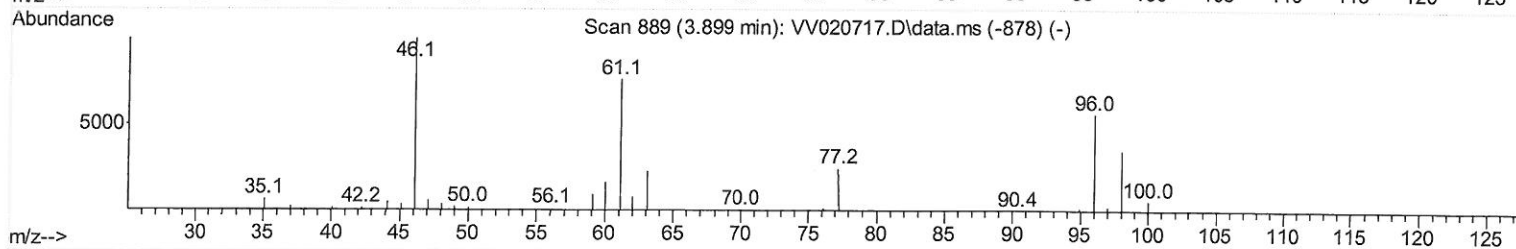
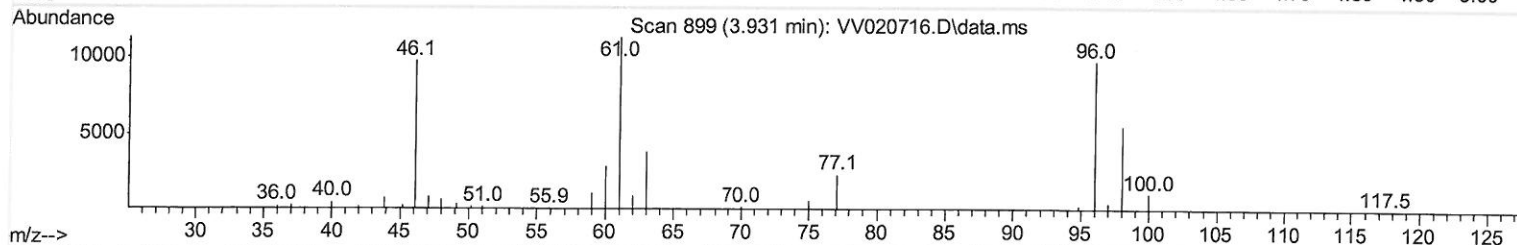
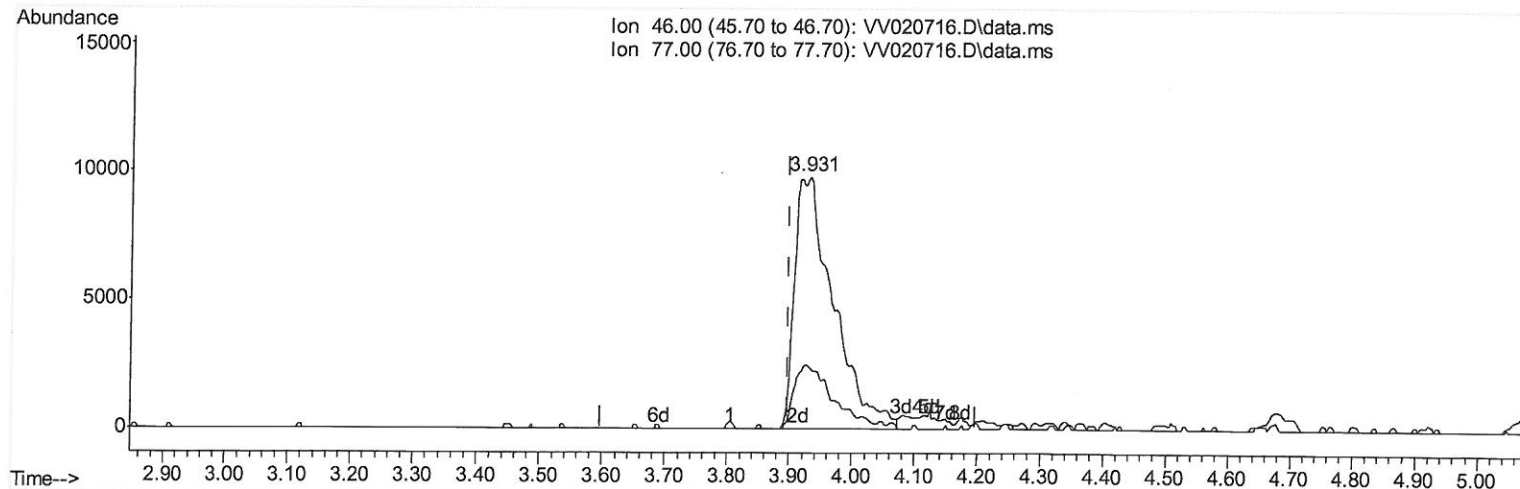
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV032321\  
 Data File : VV020716.D  
 Acq On : 23 Mar 2021 17:27  
 Operator : SY/MD  
 Sample : VSTD01065  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VSTD01065

Manual Integrations  
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TIC: VV020716.D\data.ms

(21) 2-Butanone-d5 (S)

3.931min (+ 0.032) 16.42 ug/L m

response 42005

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 46.00 | 100.00 | 100.00 |
| 77.00 | 24.10  | 0.12#  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

7 MD  
 3/31/21

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\W032321\  
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 Operator : SY/MD  
 Sample : VSTD01065  
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Instrument :  
 MSVOA\_V  
 ClientSampleID :  
 VSTD01065

Manual Integrations  
 APPROVED

MMDadoda  
 3/24/2021 2:14:25 PM

Quant Time: Mar 24 04:34:06 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SOMVLM032321WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Wed Mar 24 04:32:38 2021  
 Response via : Initial Calibration

| Compound                      | R.T.   | QIon | Response | Conc  | Units | Dev(Min) |
|-------------------------------|--------|------|----------|-------|-------|----------|
| Internal Standards            |        |      |          |       |       |          |
| 1) 1,4-Difluorobenzene        | 5.619  | 114  | 511087   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5          | 8.857  | 117  | 500814   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4    | 11.255 | 152  | 262754   | 50.00 | ug/L  | 0.00     |
| System Monitoring Compounds   |        |      |          |       |       |          |
| 4) Vinyl Chloride-d3          | 1.310  | 65   | 33745    | 8.42  | ug/L  | 0.00     |
| 7) Chloroethane-d5            | 1.571  | 69   | 26148    | 8.24  | ug/L  | 0.00     |
| 11) 1,1-Dichloroethene-d2     | 2.111  | 63   | 60618    | 7.93  | ug/L  | 0.00     |
| 21) 2-Butanone-d5             | 3.931  | 46   | 42005m   | 16.42 | ug/L  | 0.03     |
| 24) Chloroform-d              | 4.355  | 84   | 64655    | 9.03  | ug/L  | 0.00     |
| 26) 1,2-Dichloroethane-d4     | 5.040  | 65   | 43899    | 9.33  | ug/L  | 0.00     |
| 32) Benzene-d6                | 5.056  | 84   | 121577   | 8.90  | ug/L  | 0.00     |
| 36) 1,2-Dichloropropane-d6    | 6.075  | 67   | 36950    | 8.55  | ug/L  | 0.00     |
| 41) Toluene-d8                | 7.320  | 98   | 106509   | 8.67  | ug/L  | 0.00     |
| 43) trans-1,3-Dichloroprop... | 7.632  | 79   | 18166    | 8.77  | ug/L  | 0.00     |
| 47) 2-Hexanone-d5             | 8.098  | 63   | 27062    | 16.40 | ug/L  | 0.00     |
| 57) 1,1,2,2-Tetrachloroeth... | 10.220 | 84   | 54318    | 9.76  | ug/L  | 0.00     |
| 64) 1,2-Dichlorobenzene-d4    | 11.631 | 152  | 43832    | 8.58  | ug/L  | 0.00     |
| Target Compounds              |        |      |          |       |       |          |
|                               |        |      |          |       |       | Qvalue   |
| 2) Dichlorodifluoromethane    | 1.130  | 85   | 39253    | 9.04  | ug/L  | 99       |
| 3) Chloromethane              | 1.243  | 50   | 31939    | 6.86  | ug/L  | 94       |
| 5) Vinyl chloride             | 1.314  | 62   | 31965    | 6.79  | ug/L  | 95       |
| 6) Bromomethane               | 1.526  | 94   | 19886    | 7.07  | ug/L  | 96       |
| 8) Chloroethane               | 1.587  | 64   | 18260    | 6.45  | ug/L  | 95       |
| 9) Trichlorofluoromethane     | 1.757  | 101  | 53095    | 8.03  | ug/L  | 99       |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.117  | 101  | 26789    | 7.66  | ug/L  | 99       |
| 12) 1,1-Dichloroethene        | 2.121  | 96   | 24783    | 7.35  | ug/L  | 92       |
| 13) Acetone                   | 2.201  | 43   | 31136    | 15.14 | ug/L  | 70       |
| 14) Carbon disulfide          | 2.297  | 76   | 80877    | 7.77  | ug/L  | 98       |
| 15) Methyl Acetate            | 2.445  | 43   | 28013    | 7.09  | ug/L  | 99       |
| 16) Methylene chloride        | 2.510  | 84   | 31227    | 7.96  | ug/L  | 98       |
| 17) trans-1,2-Dichloroethene  | 2.764  | 96   | 28647    | 7.86  | ug/L  | 97       |
| 18) Methyl tert-butyl Ether   | 2.770  | 73   | 80188    | 7.20  | ug/L  | 99       |
| 19) 1,1-Dichloroethane        | 3.198  | 63   | 50232    | 7.26  | ug/L  | 99       |
| 20) cis-1,2-Dichloroethene    | 3.918  | 96   | 29296    | 7.78  | ug/L  | 99       |
| 22) 2-Butanone                | 4.008  | 43   | 40696m   | 14.19 | ug/L  | 98       |
| 23) Bromochloromethane        | 4.259  | 128  | 15819    | 8.28  | ug/L  | 98       |
| 25) Chloroform                | 4.381  | 83   | 53677    | 7.39  | ug/L  | 96       |
| 27) 1,2-Dichloroethane        | 5.137  | 62   | 42570    | 7.36  | ug/L  | 98       |
| 29) Cyclohexane               | 4.683  | 56   | 42677    | 7.07  | ug/L  | 98       |
| 30) 1,1,1-Trichloroethane     | 4.609  | 97   | 48851    | 7.99  | ug/L  | 98       |
| 31) Carbon tetrachloride      | 4.831  | 117  | 41292    | 8.18  | ug/L  | 96       |
| 33) Benzene                   | 5.108  | 78   | 109930   | 7.39  | ug/L  | 100      |
| 34) Trichloroethene           | 5.921  | 95   | 30245    | 7.25  | ug/L  | 96       |
| 35) Methylcyclohexane         | 6.133  | 83   | 43232    | 7.38  | ug/L  | 95       |
| 37) 1,2-Dichloropropane       | 6.178  | 63   | 28121    | 7.23  | ug/L  | 99       |
| 38) Bromodichloromethane      | 6.516  | 83   | 39643    | 7.61  | ug/L  | 99       |
| 39) cis-1,3-Dichloropropene   | 7.034  | 75   | 36511    | 6.27  | ug/L  | 98       |
| 40) 4-Methyl-2-pentanone      | 7.233  | 43   | 73888    | 13.01 | ug/L  | 97       |
| 42) Toluene                   | 7.390  | 91   | 114082   | 7.28  | ug/L  | 96       |
| 44) trans-1,3-Dichloropropene | 7.657  | 75   | 37479    | 6.49  | ug/L  | 97       |
| 45) 1,1,2-Trichloroethane     | 7.844  | 97   | 27537    | 7.57  | ug/L  | 95       |

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| Compound                      | R.T.   | QIon | Response | Conc  | Units  | Dev(Min) |
|-------------------------------|--------|------|----------|-------|--------|----------|
| 46) Tetrachloroethene         | 7.979  | 164  | 26323    | 9.31  | ug/L   | 96       |
| 48) 2-Hexanone                | 8.146  | 43   | 49280    | 11.10 | ug/L   | 99       |
| 49) Dibromochloromethane      | 8.249  | 129  | 31634    | 8.13  | ug/L   | 100      |
| 50) 1,2-Dibromoethane         | 8.358  | 107  | 29119    | 7.39  | ug/L # | 97       |
| 51) Chlorobenzene             | 8.886  | 112  | 79316    | 7.75  | ug/L   | 99       |
| 52) Ethylbenzene              | 9.017  | 91   | 126048   | 7.11  | ug/L   | 97       |
| 53) m,p-Xylene                | 9.143  | 106  | 44914    | 6.87  | ug/L   | 96       |
| 54) o-xylene                  | 9.548  | 106  | 43254    | 6.85  | ug/L   | 96       |
| 55) Styrene                   | 9.567  | 104  | 75260    | 6.82  | ug/L   | 94       |
| 56) Isopropylbenzene          | 9.937  | 105  | 121993   | 7.12  | ug/L   | 100      |
| 58) 1,1,2,2-Tetrachloroethane | 10.249 | 83   | 45647    | 8.22  | ug/L   | 98       |
| 59) 1,2,3-Trichloropropane    | 10.281 | 75   | 36599    | 7.37  | ug/L   | 93       |
| 61) Bromoform                 | 9.738  | 173  | 23599    | 8.79  | ug/L   | 95       |
| 62) 1,3-Dichlorobenzene       | 11.188 | 146  | 62870    | 7.56  | ug/L   | 96       |
| 63) 1,4-Dichlorobenzene       | 11.278 | 146  | 66335    | 7.61  | ug/L   | 97       |
| 65) 1,2-Dichlorobenzene       | 11.651 | 146  | 62341    | 7.50  | ug/L   | 98       |
| 66) 1,2-Dibromo-3-chloropr... | 12.435 | 75   | 10377    | 8.08  | ug/L   | 96       |
| 67) 1,3,5-Trichlorobenzene    | 12.651 | 180  | 48168    | 7.97  | ug/L   | 98       |
| 68) 1,2,4-trichlorobenzene    | 13.271 | 180  | 36826    | 7.00  | ug/L   | 99       |
| 69) Naphthalene               | 13.512 | 128  | 93321    | 5.59  | ug/L   | 99       |
| 70) 1,2,3-Trichlorobenzene    | 13.750 | 180  | 39357    | 7.55  | ug/L   | 96       |

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