

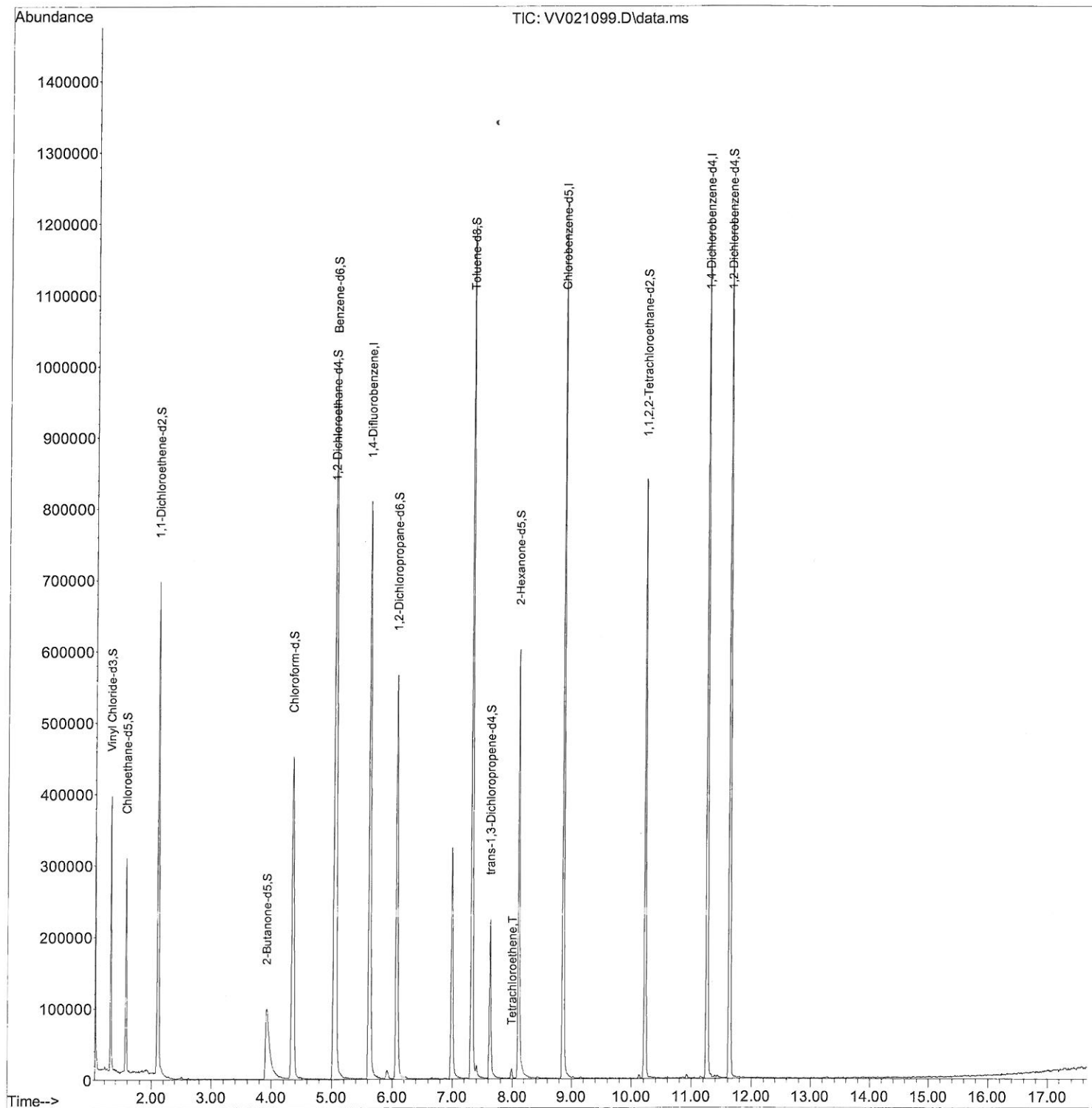
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV042221\  
Data File : VV021099.D  
Acq On : 22 Apr 2021 16:25  
Operator : SY/MD  
Sample : M2067-08  
Misc : 5.0mL/MSVOA\_V/WATER  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
VHBLK001

Manual Integrations  
APPROVED

MMDadoda  
4/27/2021 4:41:25 PM

Quant Time: Apr 23 04:35:39 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM042121WMA.M  
Quant Title : VOC Analysis  
QLast Update : Fri Apr 23 04:33:55 2021  
Response via : Initial Calibration



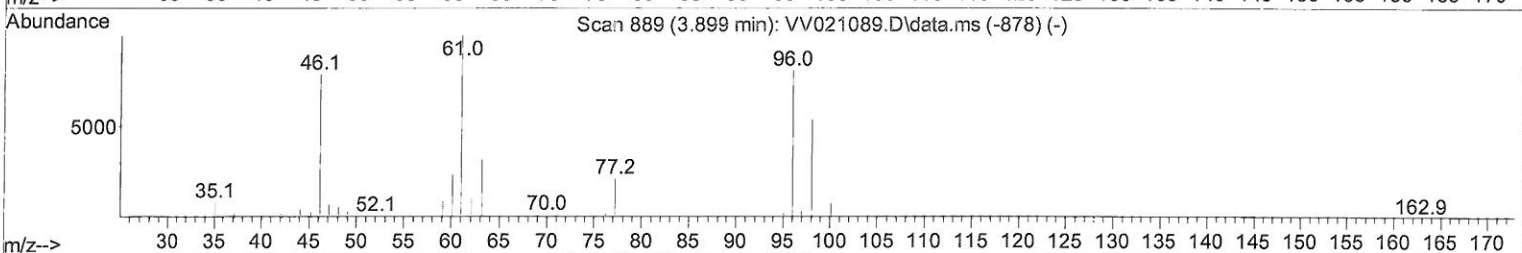
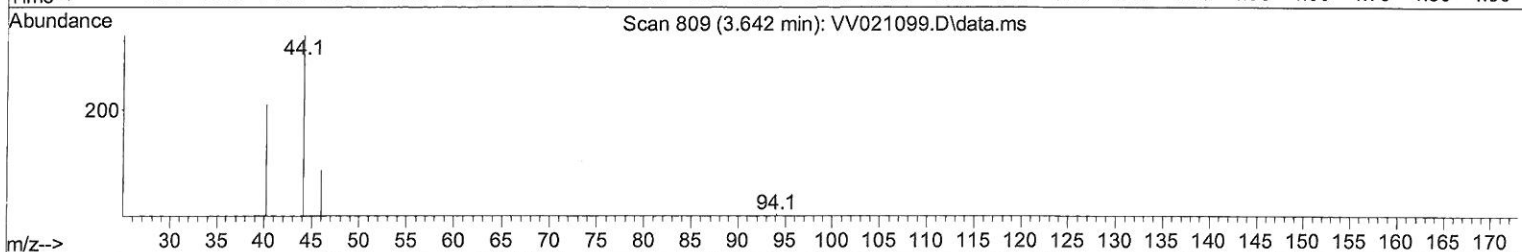
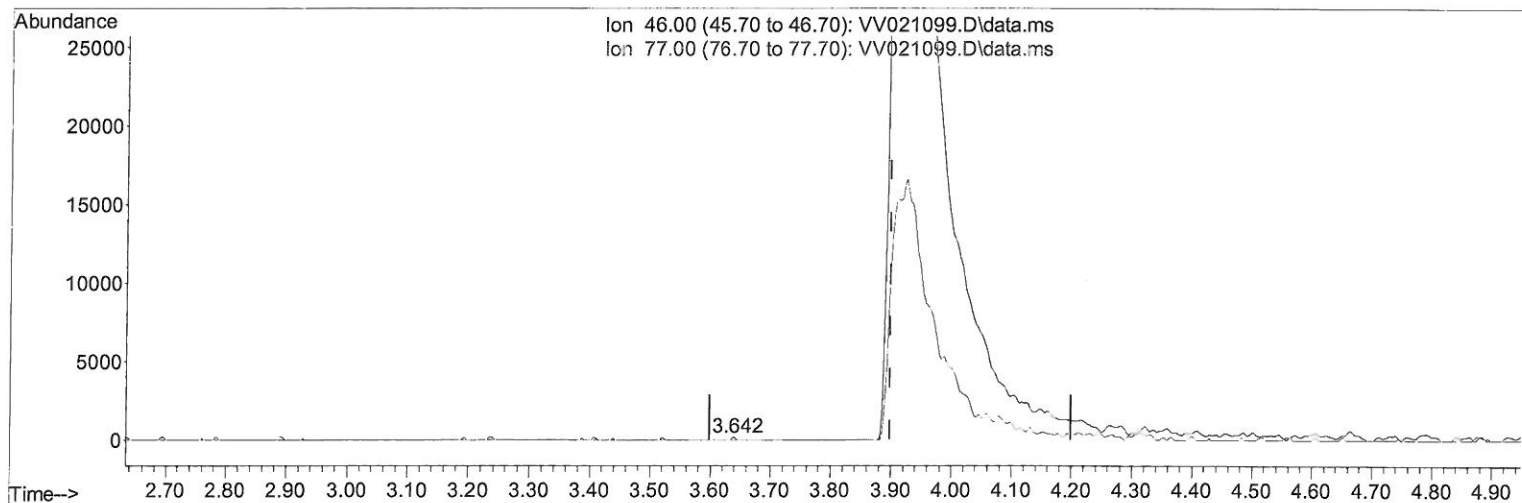
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TIC: VV021099.D\data.ms

(21) 2-Butanone-d5 (S)

3.642min (-0.257) 0.02 ug/L

response 57

| Ion   | Exp%   | Act%      |
|-------|--------|-----------|
| 46.00 | 100.00 | 100.00    |
| 77.00 | 25.60  | 33691.23# |
| 0.00  | 0.00   | 0.00      |
| 0.00  | 0.00   | 0.00      |

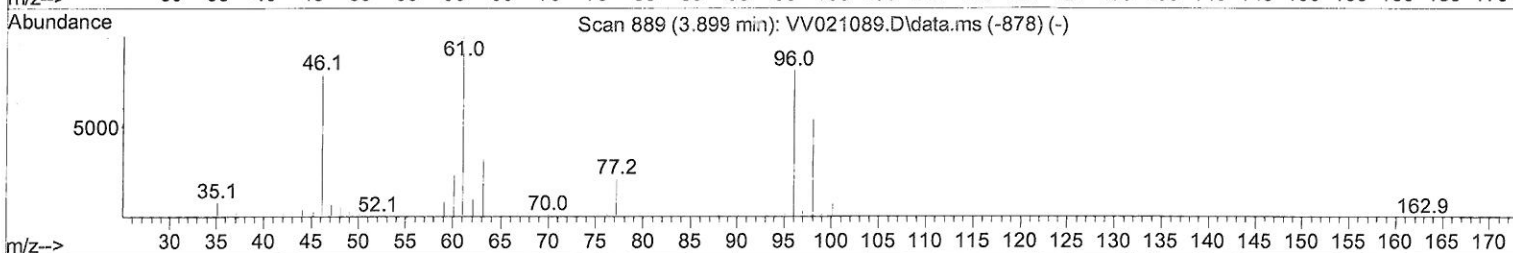
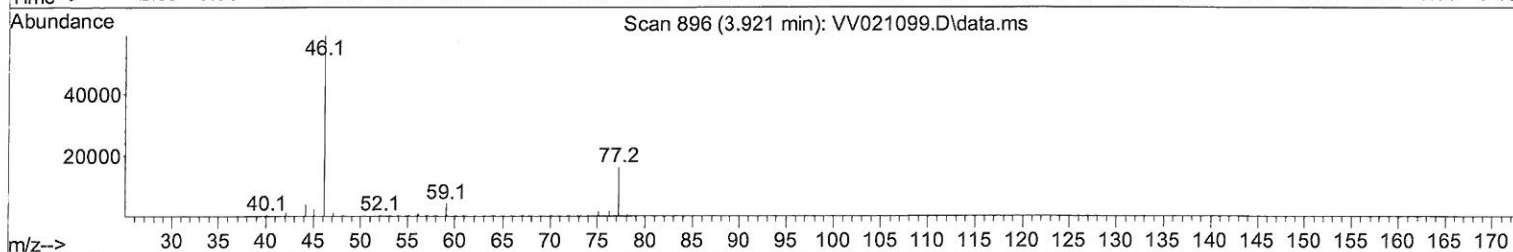
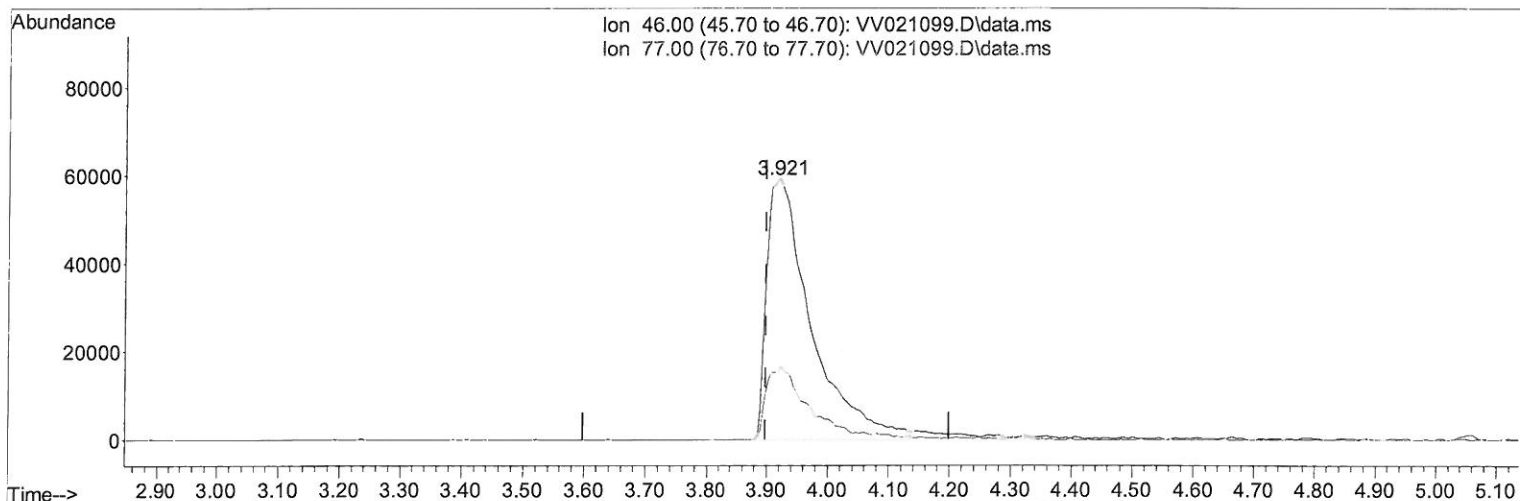
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TIC: VV021099.D\data.ms

(21) 2-Butanone-d5 (S)

3.921min (+ 0.022) 102.54 ug/L m

response 296513

| Ion   | Exp%   | Act%   |
|-------|--------|--------|
| 46.00 | 100.00 | 100.00 |
| 77.00 | 25.60  | 6.48#  |
| 0.00  | 0.00   | 0.00   |
| 0.00  | 0.00   | 0.00   |

MD  
4/27/21

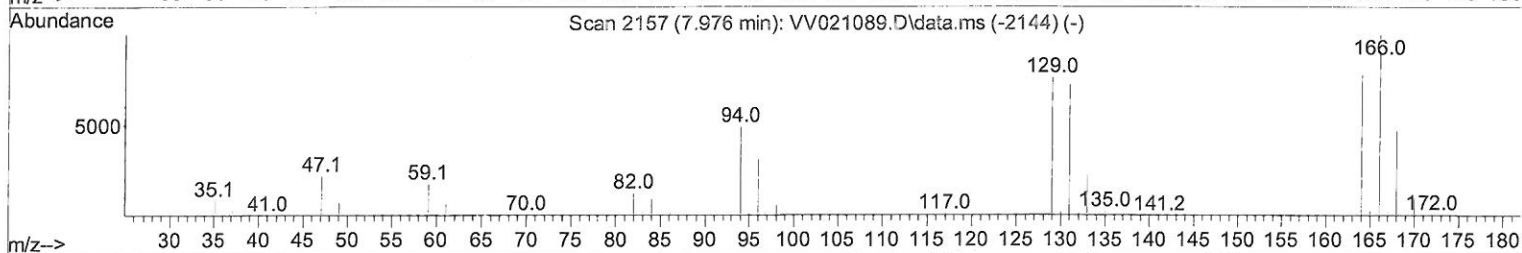
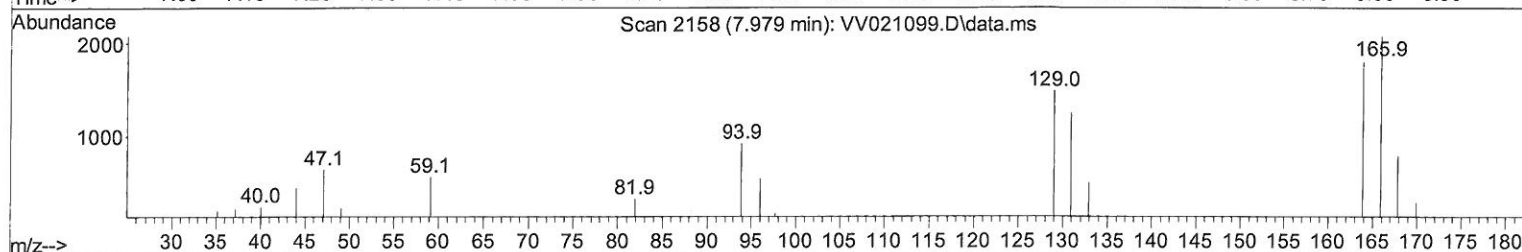
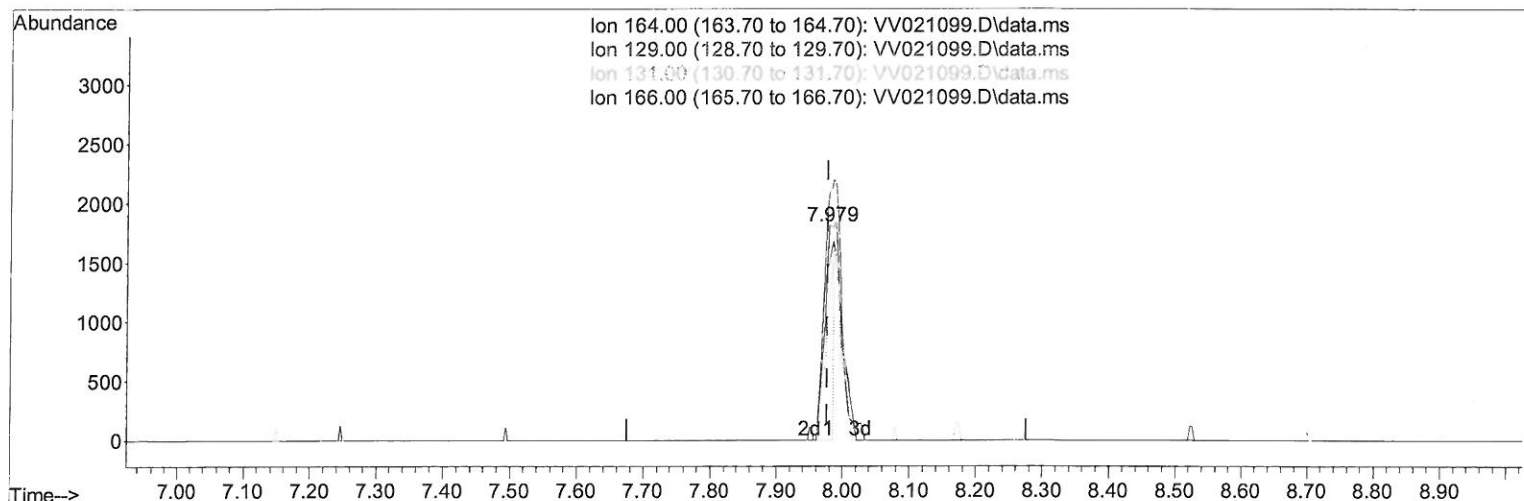
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Instrument :  
MSVOA\_V  
ClientSampleId :  
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Manual Integrations  
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TIC: VV021099.D\data.ms

(46) Tetrachloroethene (T)

7.979min (+ 0.003) 0.39 ug/L

response 1800

| Ion    | Exp%   | Act%   |
|--------|--------|--------|
| 164.00 | 100.00 | 100.00 |
| 129.00 | 91.10  | 82.29  |
| 131.00 | 84.70  | 69.12  |
| 166.00 | 125.30 | 115.22 |

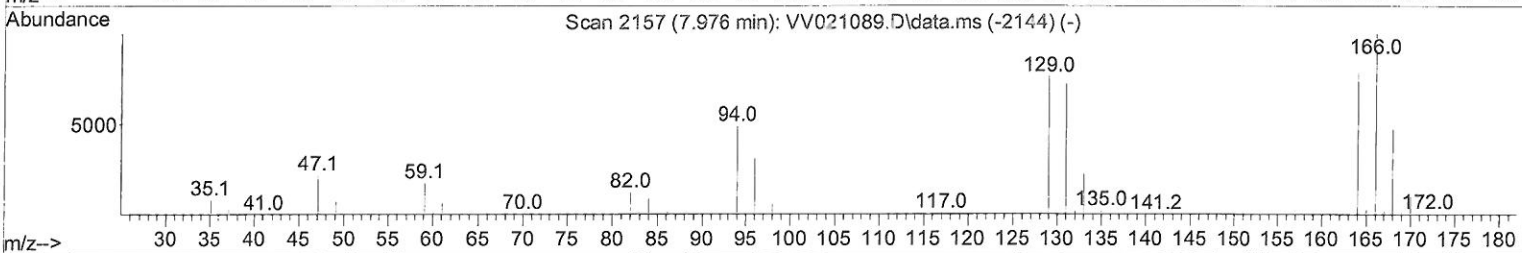
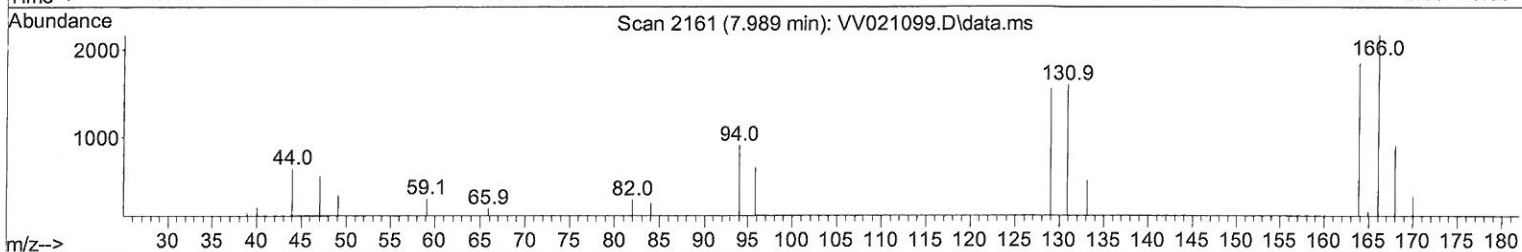
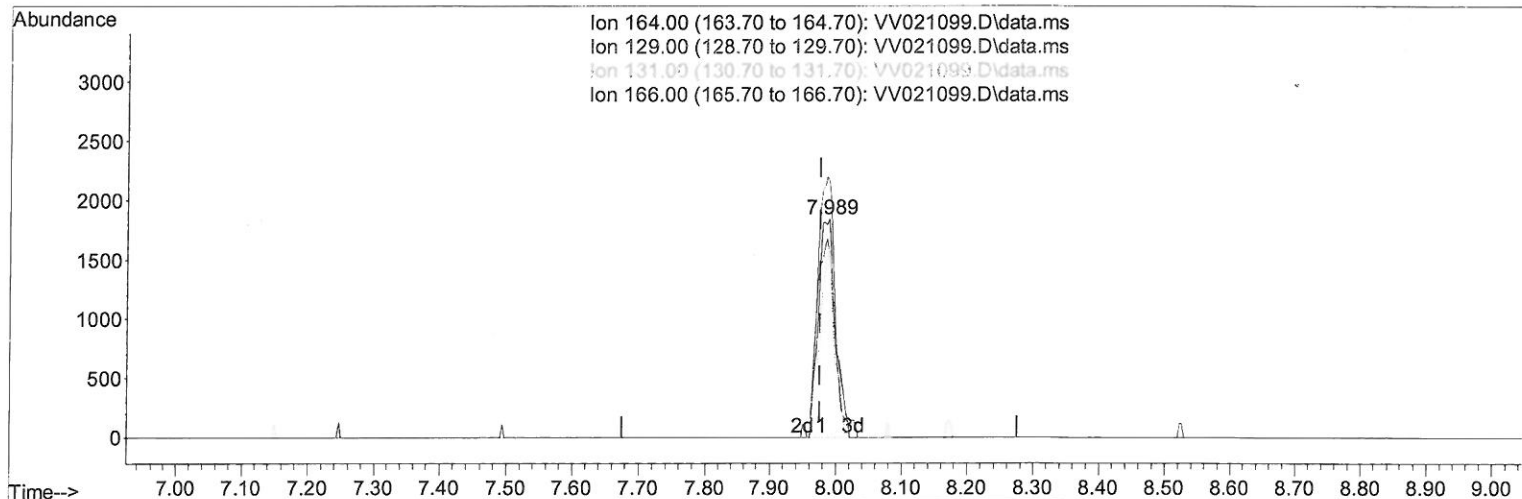
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Sample : M2067-08  
Misc : 5.0mL/MSVOA\_V/WATER  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampled :  
VHBLK001

Manual Integrations  
APPROVED

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Response via : Initial Calibration



TIC: VV021099.D\data.ms

(46) Tetrachloroethene (T)

7.989min (+ 0.013) 0.72 ug/L m

response 3319

Ion Exp% Act%

164.00 100.00 100.00

129.00 91.10 84.31

131.00 84.70 86.70

166.00 125.30 117.64

7 MD  
4/27/21

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV042221\  
 Data File : VV021099.D  
 Acq On : 22 Apr 2021 16:25  
 Operator : SY/MD  
 Sample : M2067-08  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 12 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 VHBLK001

Manual Integrations  
 APPROVED

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 4/27/2021 4:41:25 PM

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 Quant Title : VOC Analysis  
 QLast Update : Fri Apr 23 04:33:55 2021  
 Response via : Initial Calibration

| Compound                      | R.T.    | QIon           | Response | Conc   | Units   | Dev(Min) |
|-------------------------------|---------|----------------|----------|--------|---------|----------|
| Internal Standards            |         |                |          |        |         |          |
| 1) 1,4-Difluorobenzene        | 5.622   | 114            | 720642   | 50.00  | ug/L    | 0.00     |
| 28) Chlorobenzene-d5          | 8.857   | 117            | 672657   | 50.00  | ug/L    | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.255  | 152            | 322225   | 50.00  | ug/L    | 0.00     |
| System Monitoring Compounds   |         |                |          |        |         |          |
| 4) Vinyl Chloride-d3          | 1.307   | 65             | 239293   | 40.41  | ug/L    | 0.00     |
| Spiked Amount                 | 50.000  | Range 60 - 135 | Recovery | =      | 80.82%  |          |
| 7) Chloroethane-d5            | 1.571   | 69             | 187039   | 42.94  | ug/L    | 0.00     |
| Spiked Amount                 | 50.000  | Range 70 - 130 | Recovery | =      | 85.88%  |          |
| 11) 1,1-Dichloroethene-d2     | 2.108   | 63             | 361254   | 33.08  | ug/L    | 0.00     |
| Spiked Amount                 | 50.000  | Range 60 - 125 | Recovery | =      | 66.16%  |          |
| 21) 2-Butanone-d5             | 3.921   | 46             | 296513m  | 102.54 | ug/L    | 0.02     |
| Spiked Amount                 | 100.000 | Range 40 - 130 | Recovery | =      | 102.54% |          |
| 24) Chloroform-d              | 4.352   | 84             | 459377   | 43.51  | ug/L    | 0.00     |
| Spiked Amount                 | 50.000  | Range 70 - 125 | Recovery | =      | 87.02%  |          |
| 26) 1,2-Dichloroethane-d4     | 5.037   | 65             | 312433   | 46.56  | ug/L    | 0.00     |
| Spiked Amount                 | 50.000  | Range 70 - 125 | Recovery | =      | 93.12%  |          |
| 32) Benzene-d6                | 5.053   | 84             | 857606   | 47.87  | ug/L    | 0.00     |
| Spiked Amount                 | 50.000  | Range 70 - 125 | Recovery | =      | 95.74%  |          |
| 36) 1,2-Dichloropropane-d6    | 6.072   | 67             | 261774   | 48.95  | ug/L    | 0.00     |
| Spiked Amount                 | 50.000  | Range 70 - 120 | Recovery | =      | 97.90%  |          |
| 41) Toluene-d8                | 7.320   | 98             | 799575   | 46.12  | ug/L    | 0.00     |
| Spiked Amount                 | 50.000  | Range 80 - 120 | Recovery | =      | 92.24%  |          |
| 43) trans-1,3-Dichloroprop... | 7.625   | 79             | 133594   | 45.72  | ug/L    | 0.00     |
| Spiked Amount                 | 50.000  | Range 60 - 125 | Recovery | =      | 91.44%  |          |
| 47) 2-Hexanone-d5             | 8.095   | 63             | 219775   | 103.63 | ug/L    | 0.00     |
| Spiked Amount                 | 100.000 | Range 45 - 130 | Recovery | =      | 103.63% |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.223  | 84             | 379726   | 47.08  | ug/L    | 0.00     |
| Spiked Amount                 | 50.000  | Range 65 - 120 | Recovery | =      | 94.16%  |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.632  | 152            | 324617   | 51.00  | ug/L    | 0.00     |
| Spiked Amount                 | 50.000  | Range 80 - 120 | Recovery | =      | 102.00% |          |

Target Compounds

|                       |       |     |       |      |      |        |
|-----------------------|-------|-----|-------|------|------|--------|
| 46) Tetrachloroethene | 7.989 | 164 | 3319m | 0.72 | ug/L | Qvalue |
|-----------------------|-------|-----|-------|------|------|--------|

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