

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VW042023\  
 Data File : VW030716.D  
 Acq On : 20 Apr 2023 14:59  
 Operator : SY/MD  
 Sample : 02411-02 50X  
 Misc : 5.0mL/MSVOA\_V/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0AQ5

Manual Integrations  
 APPROVED

Reviewed By :Krupa Patel 04/22/2023  
 Supervised By :Mahesh Dadoda 04/22/2023

Quant Time: Apr 21 00:18:25 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM041723WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Fri Apr 21 00:14:50 2023  
 Response via : Initial Calibration

| Compound                      | R.T.           | QIon | Response   | Conc     | Units  | Dev(Min) |
|-------------------------------|----------------|------|------------|----------|--------|----------|
| -----                         |                |      |            |          |        |          |
| Internal Standards            |                |      |            |          |        |          |
| 1) 1,4-Difluorobenzene        | 5.542          | 114  | 243336     | 50.000   | ug/L   | 0.00     |
| 28) Chlorobenzene-d5          | 8.792          | 117  | 237051     | 50.000   | ug/L   | 0.00     |
| 58) 1,4-Dichlorobenzene-d4    | 11.194         | 152  | 112196     | 50.000   | ug/L   | 0.00     |
|                               |                |      |            |          |        |          |
| System Monitoring Compounds   |                |      |            |          |        |          |
| 4) Vinyl Chloride-d3          | 1.282          | 65   | 75342      | 42.236   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 135 |      | Recovery = | 84.480%  |        |          |
| 7) Chloroethane-d5            | 1.539          | 69   | 65668      | 43.929   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 130 |      | Recovery = | 87.860%  |        |          |
| 11) 1,1-Dichloroethene-d2     | 2.066          | 65   | 36741      | 43.431   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 86.860%  |        |          |
| 21) 2-Butanone-d5             | 3.802          | 46   | 89683      | 91.533   | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 40 - 130 |      | Recovery = | 91.530%  |        |          |
| 24) Chloroform-d              | 4.259          | 84   | 136839     | 42.329   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 84.660%  |        |          |
| 26) 1,2-Dichloroethane-d4     | 4.950          | 65   | 94922      | 45.671   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 91.340%  |        |          |
| 32) Benzene-d6                | 4.969          | 84   | 251704     | 44.911   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 125 |      | Recovery = | 89.820%  |        |          |
| 36) 1,2-Dichloropropane-d6    | 5.998          | 67   | 78295      | 44.973   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 70 - 120 |      | Recovery = | 89.940%  |        |          |
| 41) Toluene-d8                | 7.252          | 98   | 223028     | 42.384   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 84.760%  |        |          |
| 43) trans-1,3-Dichloroprop... | 7.561          | 79   | 36411      | 41.496   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 60 - 125 |      | Recovery = | 83.000%  |        |          |
| 47) 2-Hexanone-d5             | 8.034          | 63   | 55265      | 80.583   | ug/L   | 0.00     |
| Spiked Amount 100.000         | Range 45 - 130 |      | Recovery = | 80.580%  |        |          |
| 56) 1,1,2,2-Tetrachloroeth... | 10.159         | 84   | 105204     | 41.646   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 65 - 120 |      | Recovery = | 83.300%  |        |          |
| 66) 1,2-Dichlorobenzene-d4    | 11.570         | 152  | 89787      | 50.348   | ug/L   | 0.00     |
| Spiked Amount 50.000          | Range 80 - 120 |      | Recovery = | 100.700% |        |          |
|                               |                |      |            |          |        |          |
| Target Compounds              |                |      |            |          |        |          |
| 10) 1,1,2-Trichloro-1,2,2-... | 2.069          | 101  | 1930       | 1.024    | ug/L # | 38       |
| 12) 1,1-Dichloroethene        | 2.076          | 96   | 3921m      | 2.301    | ug/L   |          |
| 20) cis-1,2-Dichloroethene    | 3.831          | 96   | 9680       | 5.173    | ug/L   | 95       |
| 30) 1,1,1-Trichloroethane     | 4.526          | 97   | 30085      | 9.032    | ug/L   | 99       |
| 34) Trichloroethene           | 5.841          | 95   | 173251     | 92.529   | ug/L   | 98       |
| -----                         |                |      |            |          |        |          |

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

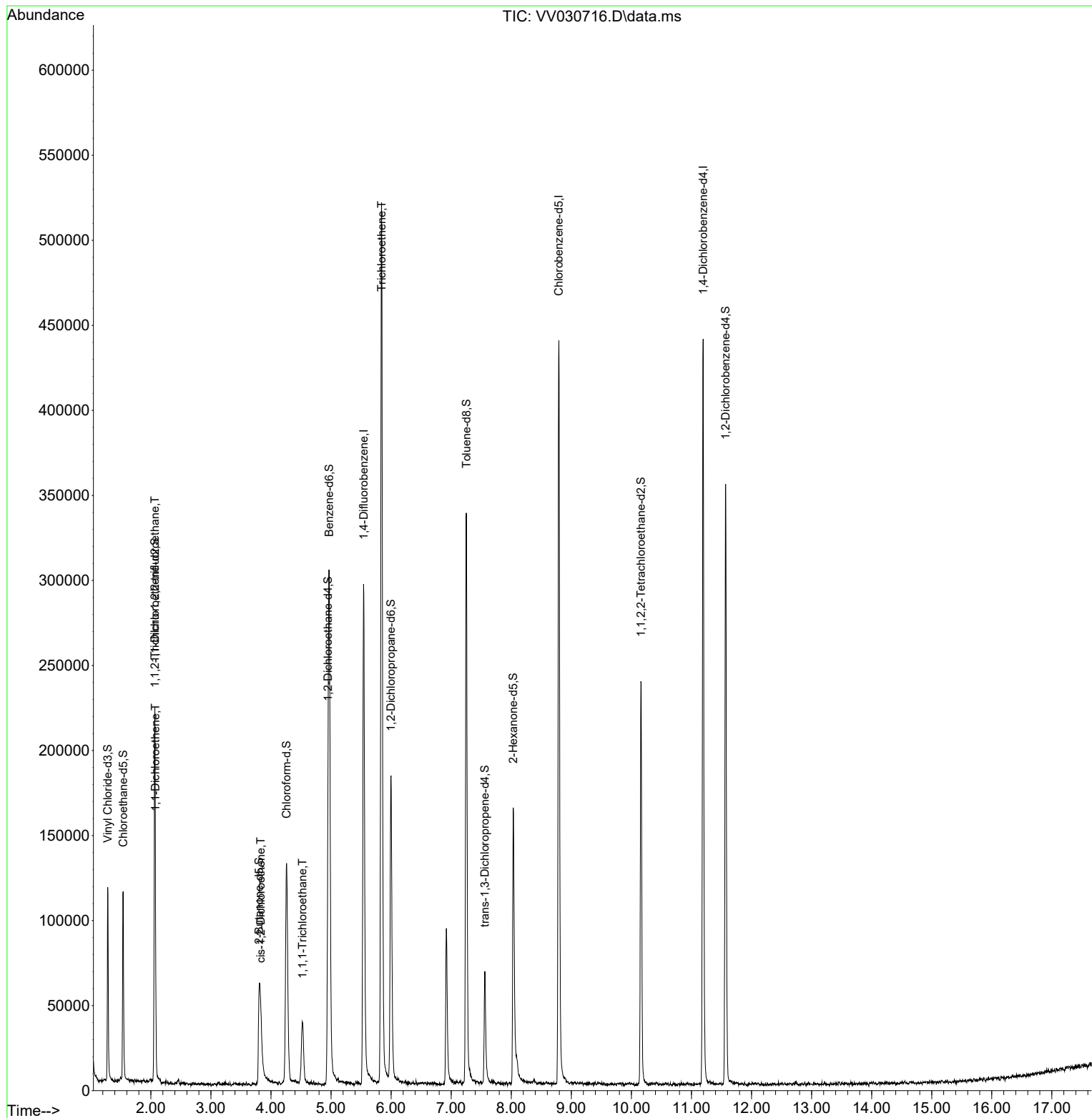
Data Path : Z:\voasrv\HPCHEM1\MSVOA\_V\Data\VV042023\  
Data File : VV030716.D  
Acq On : 20 Apr 2023 14:59  
Operator : SY/MD  
Sample : 02411-02 50X  
Misc : 5.0mL/MSVOA\_V/WATER  
ALS Vial : 15 Sample Multiplier: 1

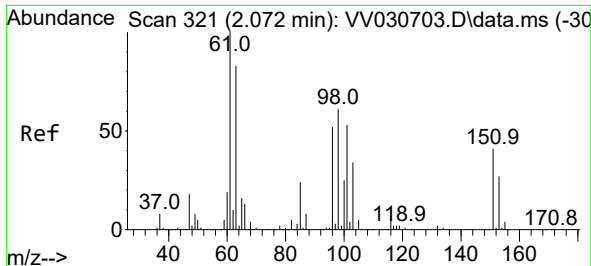
Instrument :  
MSVOA\_V  
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Quant Time: Apr 21 00:18:25 2023  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_V\Method\SFAMVLM041723WMA.M  
Quant Title : VOC Analysis  
QLast Update : Fri Apr 21 00:14:50 2023  
Response via : Initial Calibration





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 1.024 ug/L

RT: 2.069 min Scan# 31

Delta R.T. -0.003 min

Lab File: VV030716.D

Acq: 20 Apr 2023 14:59

Instrument :

MSVOA\_V

ClientSampleId :

C0AQ5

Tgt Ion: 101 Resp: 1930

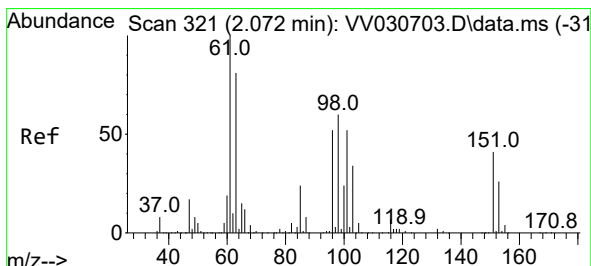
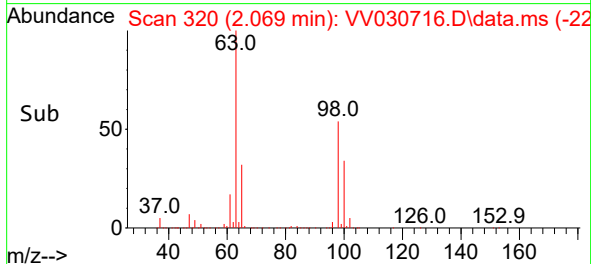
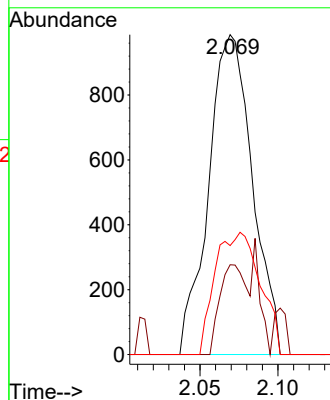
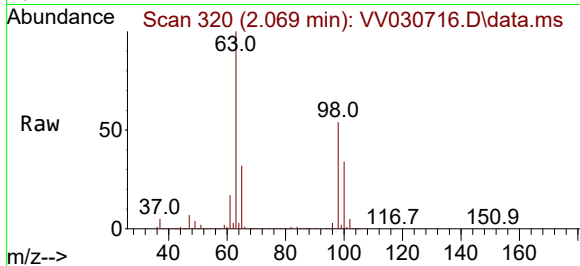
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 101 | 100   |       |       |
| 85  | 17.4  | 37.5  | 56.3  |
| 151 | 15.6  | 63.5  | 95.3  |

Manual Integrations

APPROVED

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Supervised By :Mahesh Dadoda 04/22/2023



#12

1,1-Dichloroethene

Concen: 2.301 ug/L m

RT: 2.076 min Scan# 322

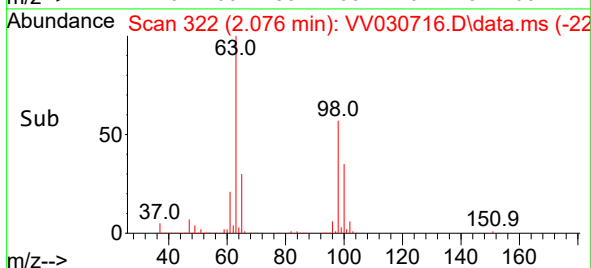
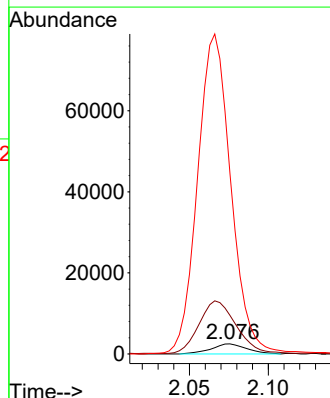
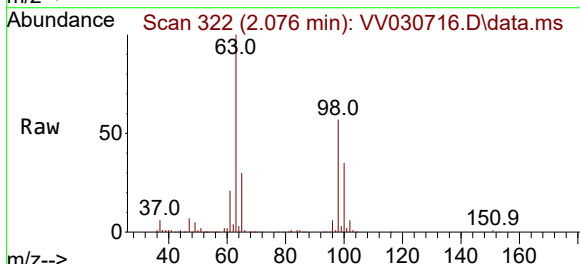
Delta R.T. 0.003 min

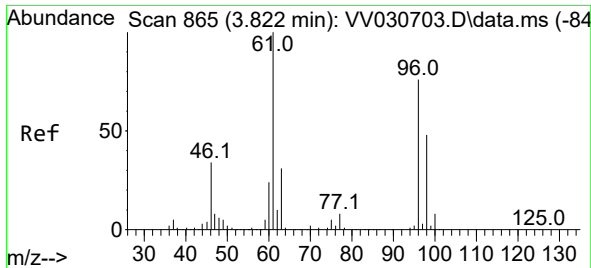
Lab File: VV030716.D

Acq: 20 Apr 2023 14:59

Tgt Ion: 96 Resp: 3921

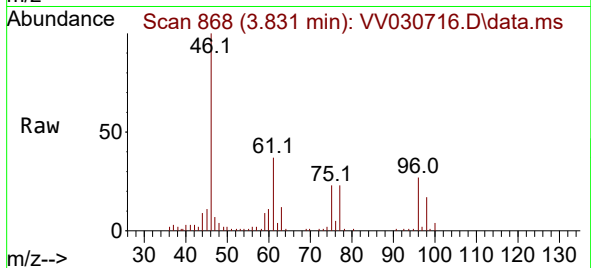
| Ion | Ratio  | Lower | Upper  |
|-----|--------|-------|--------|
| 96  | 100    |       |        |
| 61  | 384.6  | 131.9 | 245.0# |
| 63  | 1799.2 | 99.8  | 185.3# |





#20  
 cis-1,2-Dichloroethene  
 Concen: 5.173 ug/L  
 RT: 3.831 min Scan# 80  
 Delta R.T. 0.010 min  
 Lab File: VV030716.D  
 Acq: 20 Apr 2023 14:59

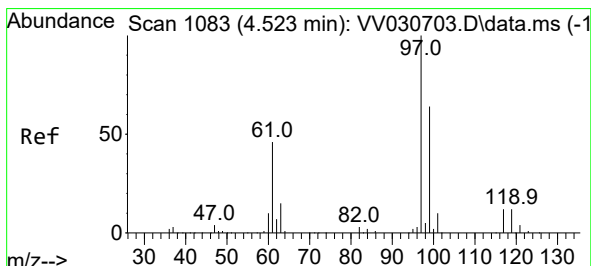
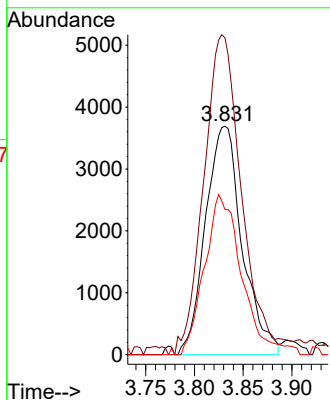
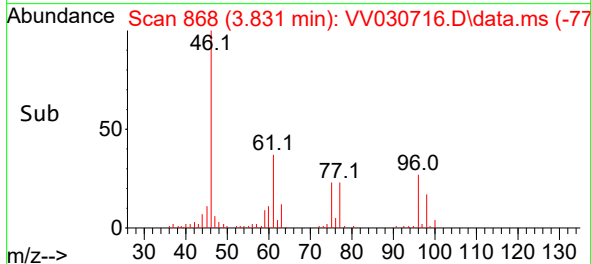
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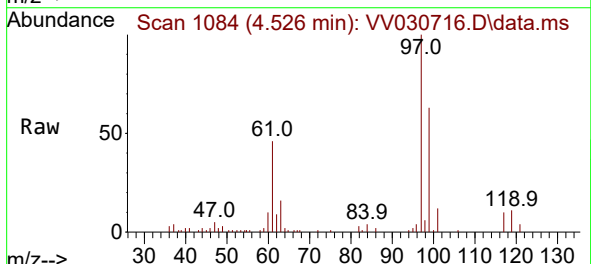
Tgt Ion: 96 Resp: 9680  
 Ion Ratio Lower Upper  
 96 100  
 61 138.7 92.3 171.3  
 98 63.6 45.9 85.3

Manual Integrations  
 APPROVED

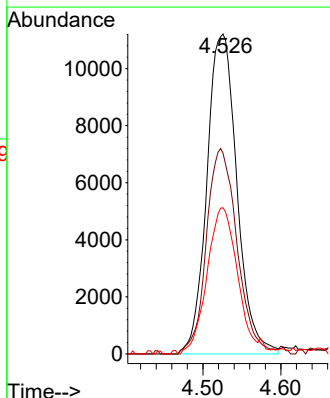
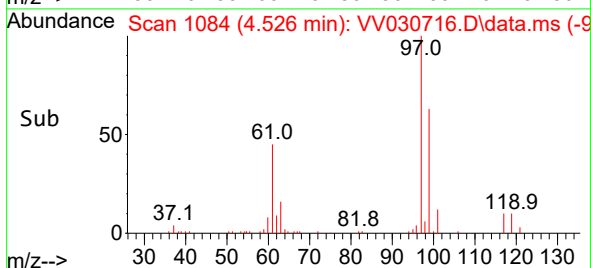
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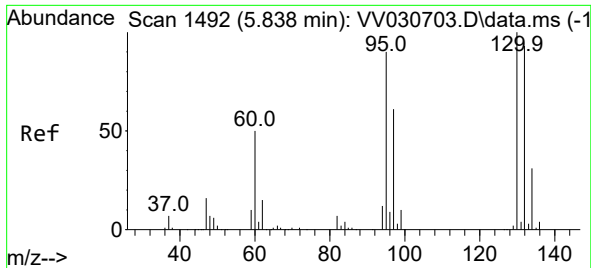


#30  
 1,1,1-Trichloroethane  
 Concen: 9.032 ug/L  
 RT: 4.526 min Scan# 1084  
 Delta R.T. 0.003 min  
 Lab File: VV030716.D  
 Acq: 20 Apr 2023 14:59



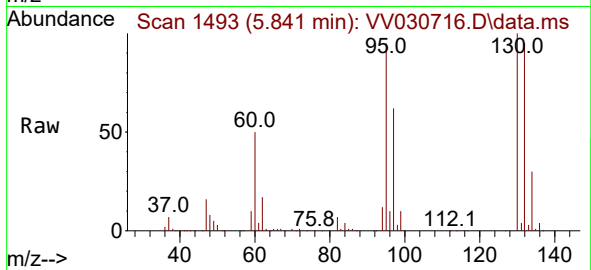
Tgt Ion: 97 Resp: 30085  
 Ion Ratio Lower Upper  
 97 100  
 99 65.5 51.4 77.0  
 61 45.8 37.0 55.6





#34  
 Trichloroethene  
 Concen: 92.529 ug/L  
 RT: 5.841 min Scan# 1493  
 Delta R.T. 0.003 min  
 Lab File: VV030716.D  
 Acq: 20 Apr 2023 14:59

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0AQ5



Tgt Ion: 95 Resp: 17325  
 Ion Ratio Lower Upper  
 95 100  
 97 65.7 45.8 85.2  
 132 100.7 70.6 131.2  
 130 105.5 70.9 131.7

Manual Integrations  
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