

Data File : VV011003.D  
Acq On : 21 May 2019 16:15  
Operator : SY/MD  
Sample : K2648-13  
Misc : 4.10G/10ML/MSVOA\_V/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BFH92

Quant Time: May 22 05:28:58 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM052019S.M  
Quant Title : VOC Analysis  
QLast Update : Wed May 22 05:24:10 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 118181   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 113951   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 41762    | 25.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 23248    | 17.26    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 69.04% |
| 7) Chloroethane-d5             | 1.57   | 69    | 17436    | 19.11    | ug/L | 0.02   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 76.44% |
| 10) 1,1-Dichloroethene-d2      | 2.12   | 63    | 34268    | 13.23    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 52.92% |
| 20) 2-Butanone-d5              | 3.94   | 46    | 19966    | 42.95    | ug/L | 0.01   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 85.90% |
| 24) Chloroform-d               | 4.40   | 84    | 66149    | 21.61    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 86.44% |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 37687    | 20.89    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 83.56% |
| 29) Benzene-d6                 | 5.09   | 84    | 133902   | 21.52    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 86.08% |
| 33) 1,2-Dichloropropane-d6     | 6.12   | 67    | 45940    | 23.24    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 92.96% |
| 37) Toluene-d8                 | 7.36   | 98    | 112164   | 19.39    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 77.56% |
| 38) trans-1,3-Dichloropropene- | 7.66   | 79    | 14485    | 17.85    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 71.40% |
| 39) 2-Hexanone-d5              | 8.13   | 63    | 16147    | 43.80    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 87.60% |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 41126    | 20.84    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 83.36% |
| 61) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 40872    | 24.10    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 96.40% |

#### Target Compounds

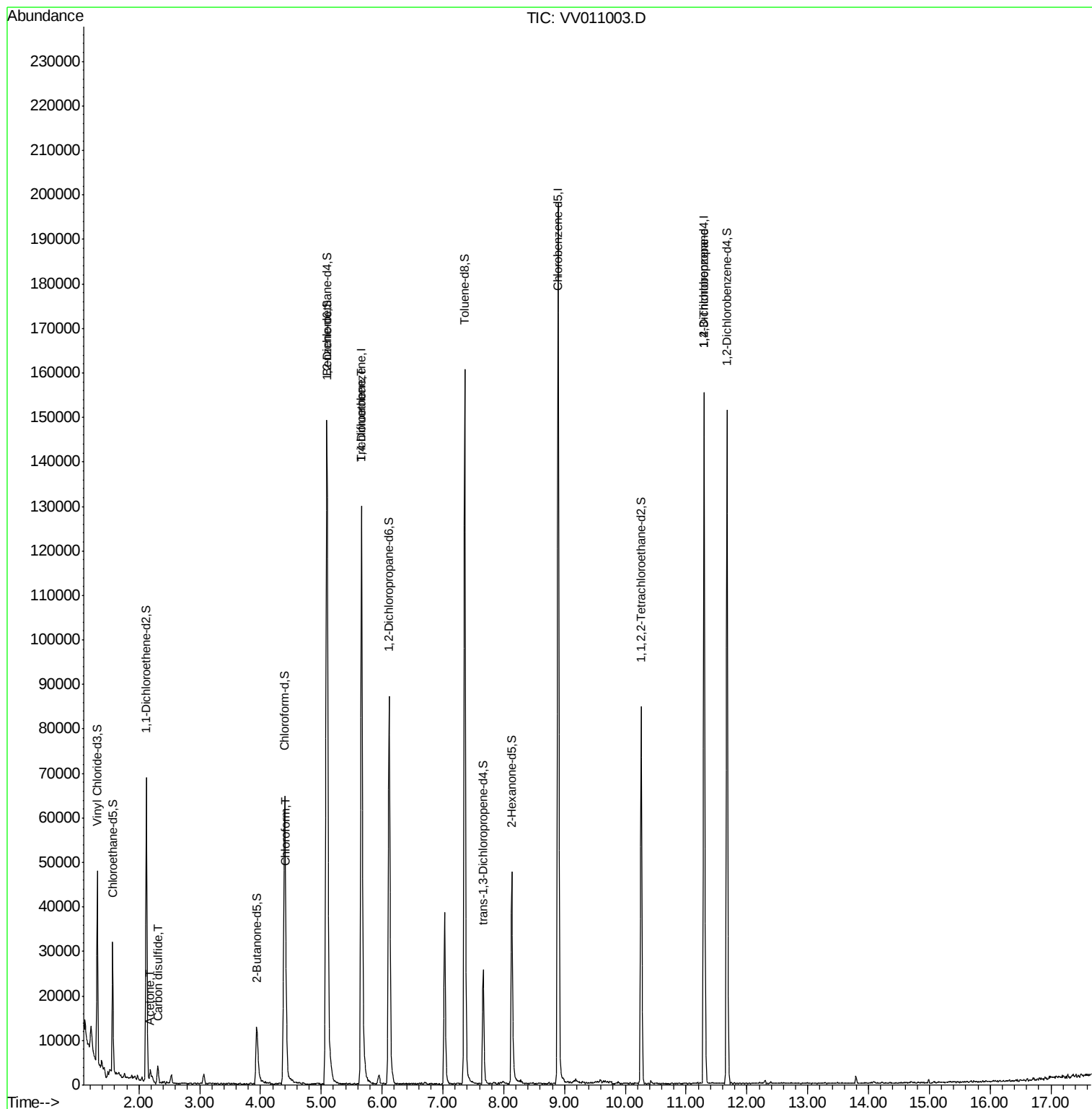
|                            |       |    |      |              | Qvalue |
|----------------------------|-------|----|------|--------------|--------|
| 13) Acetone                | 2.19  | 43 | 1575 | 3.513 ug/L   | 99     |
| 14) Carbon disulfide       | 2.31  | 76 | 3333 | 0.954 ug/L # | 87     |
| 25) Chloroform             | 4.42  | 83 | 3945 | 1.113 ug/L # | 29     |
| 35) Trichloroethene        | 5.66  | 95 | 3682 | 2.029 ug/L # | 5      |
| 59) 1,2,3-Trichloropropane | 11.29 | 75 | 5148 | 3.618 ug/L   | 94     |

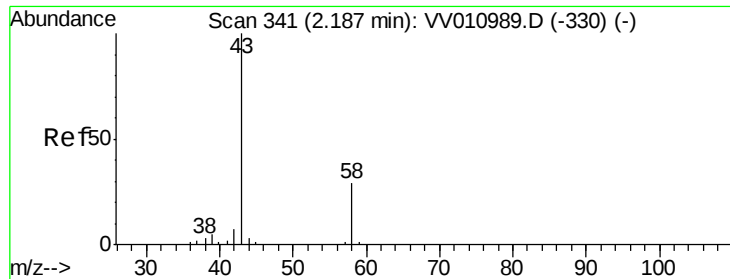
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 3.513 ug/L

RT: 2.19 min Scan# 342

Delta R.T. 0.00 min

Lab File: VV011003.D

Acq: 21 May 2019 16:15

Instrument :

MSVOA\_V

ClientSampled :

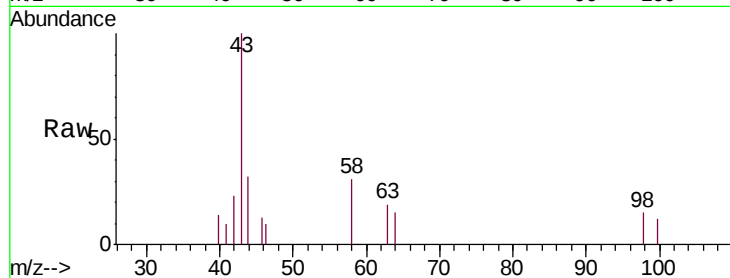
BFH92

Tgt Ion: 43 Resp: 1575

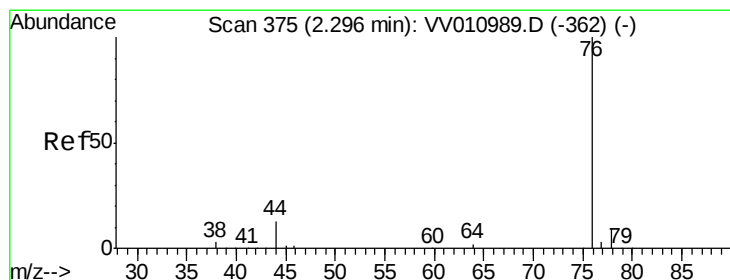
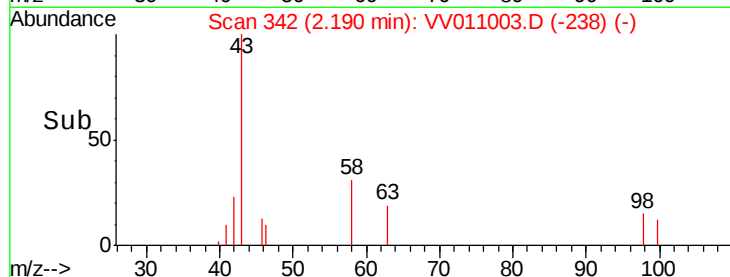
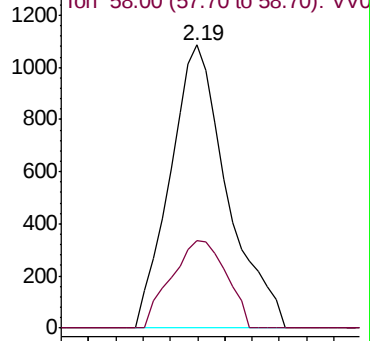
Ion Ratio Lower Upper

43 100

58 29.9 0.0 60.8



Abundance Ion 43.00 (42.70 to 43.70): VV011003.D (-238) (-)



#14

Carbon disulfide

Concen: 0.954 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.01 min

Lab File: VV011003.D

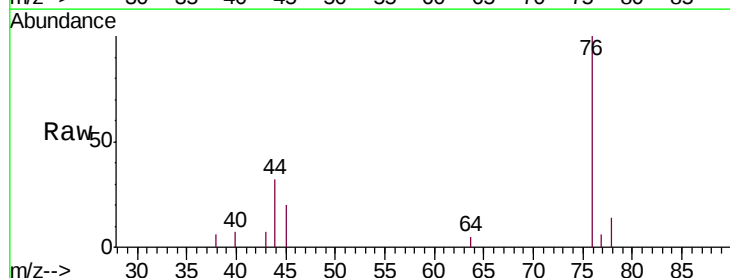
Acq: 21 May 2019 16:15

Tgt Ion: 76 Resp: 3333

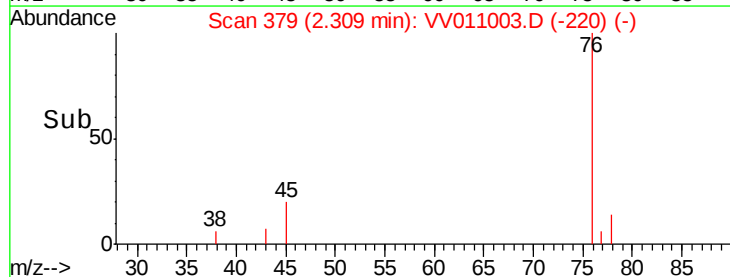
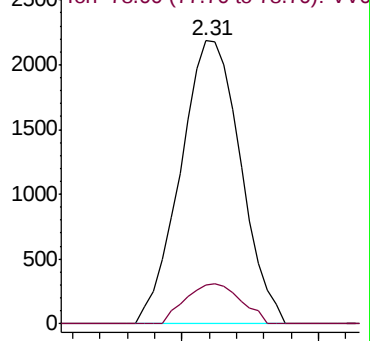
Ion Ratio Lower Upper

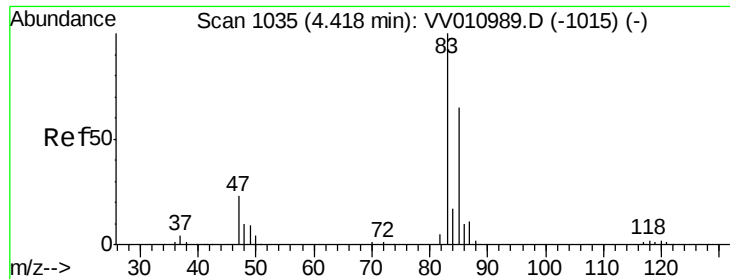
76 100

78 13.7 7.2 10.8#



Abundance Ion 76.00 (75.70 to 76.70): VV011003.D (-220) (-)

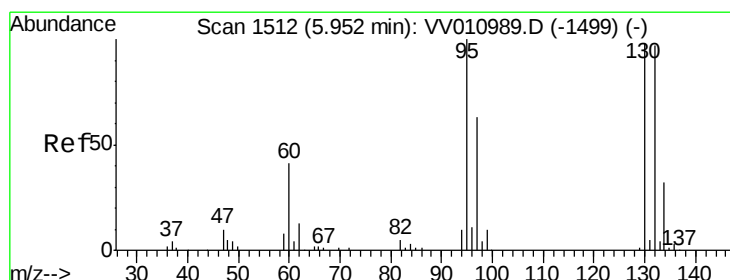
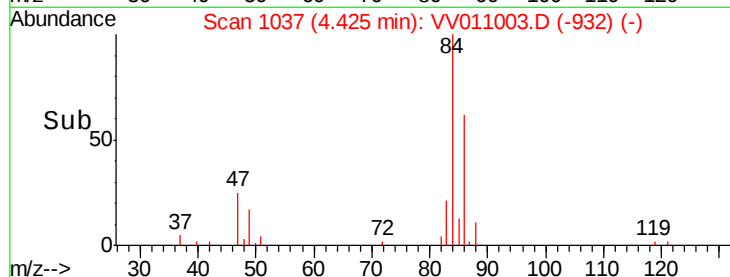
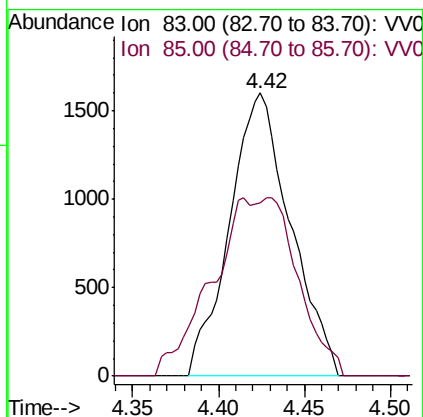
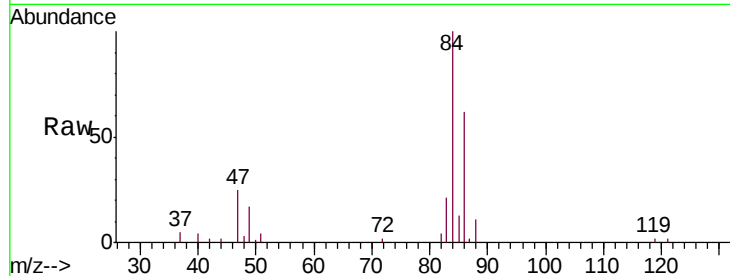




#25  
Chloroform  
Concen: 1.113 ug/L  
RT: 4.42 min Scan# 1037  
Delta R.T. 0.01 min  
Lab File: VV011003.D  
Acq: 21 May 2019 16:15

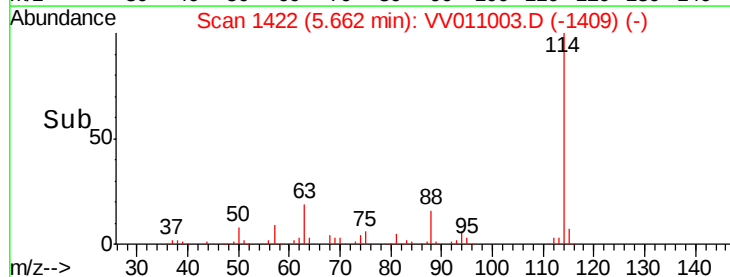
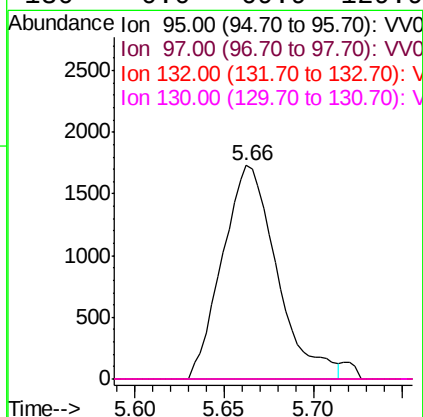
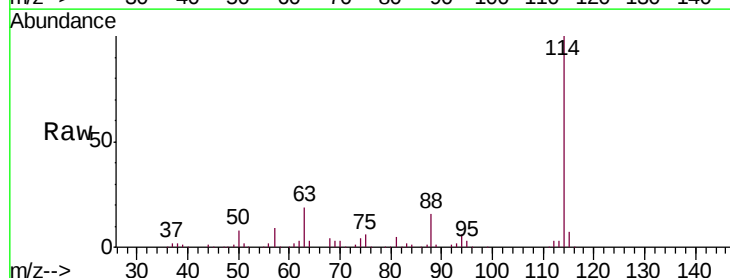
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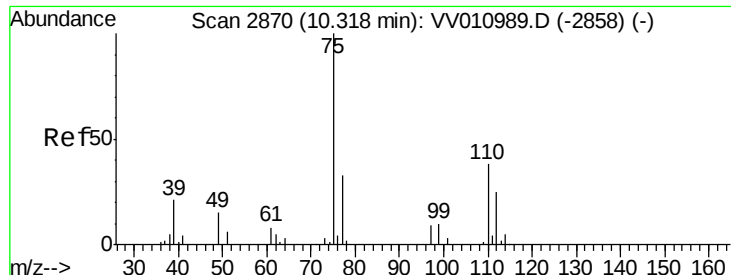
Tgt Ion: 83 Resp: 3945  
Ion Ratio Lower Upper  
83 100  
85 9.3 45.6 84.8#



#35  
Trichloroethene  
Concen: 2.029 ug/L  
RT: 5.66 min Scan# 1422  
Delta R.T. -0.29 min  
Lab File: VV011003.D  
Acq: 21 May 2019 16:15

Tgt Ion: 95 Resp: 3682  
Ion Ratio Lower Upper  
95 100  
97 0.0 43.4 80.6#  
132 0.0 68.8 127.8#  
130 0.0 69.9 129.9#





#59

1,2,3-Trichloropropane

Concen: 3.618 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.97 min

Lab File: VV011003.D

Acq: 21 May 2019 16:15

Instrument :

MSVOA\_V

ClientSampleId :

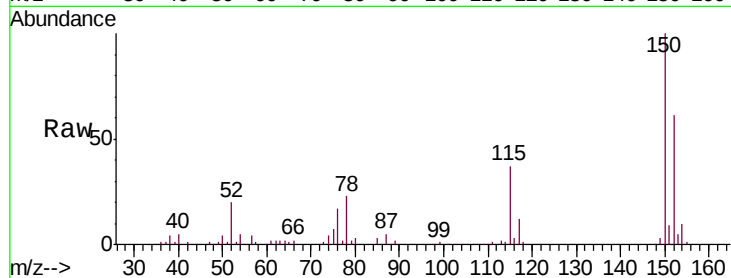
BFH92

Tgt Ion: 75 Resp: 5148

Ion Ratio Lower Upper

75 100

77 35.0 25.4 38.2



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0

