

Data File : VV012511.D  
Acq On : 01 Sep 2019 15:49  
Operator : SY/MD  
Sample : VIBLK40  
Misc : 5mL/MSVOA\_V/WATER  
ALS Vial : 13 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
VIBLK40

Quant Time: Sep 02 04:23:11 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM090119WMA.M  
Quant Title : VOC Analysis  
QLast Update : Mon Sep 02 04:16:56 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 313358   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 302987   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 114629   | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 98584    | 47.56    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 95.12%  |
| 7) Chloroethane-d5             | 1.58    | 69    | 109507   | 48.58    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 97.16%  |
| 11) 1,1-Dichloroethene-d2      | 1.92    | 63    | 116      | 0.02     | ug/L | -0.22   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 0.04%#  |
| 21) 2-Butanone-d5              | 3.94    | 46    | 176883   | 101.42   | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 101.42% |
| 24) Chloroform-d               | 4.40    | 84    | 204144   | 47.45    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 94.90%  |
| 26) 1,2-Dichloroethane-d4      | 5.08    | 65    | 139724   | 50.48    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 100.96% |
| 32) Benzene-d6                 | 5.10    | 84    | 364308   | 50.78    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 101.56% |
| 36) 1,2-Dichloropropane-d6     | 6.12    | 67    | 130146   | 50.11    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 100.22% |
| 41) Toluene-d8                 | 7.36    | 98    | 319352   | 47.59    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 95.18%  |
| 43) trans-1,3-Dichloropropene- | 7.66    | 79    | 53846    | 46.29    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 92.58%  |
| 47) 2-Hexanone-d5              | 8.14    | 63    | 92325    | 90.56    | ug/L | 0.00    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 90.56%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26   | 84    | 172786   | 47.22    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 94.44%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.67   | 152   | 122230   | 55.02    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 110.04% |

#### Target Compounds

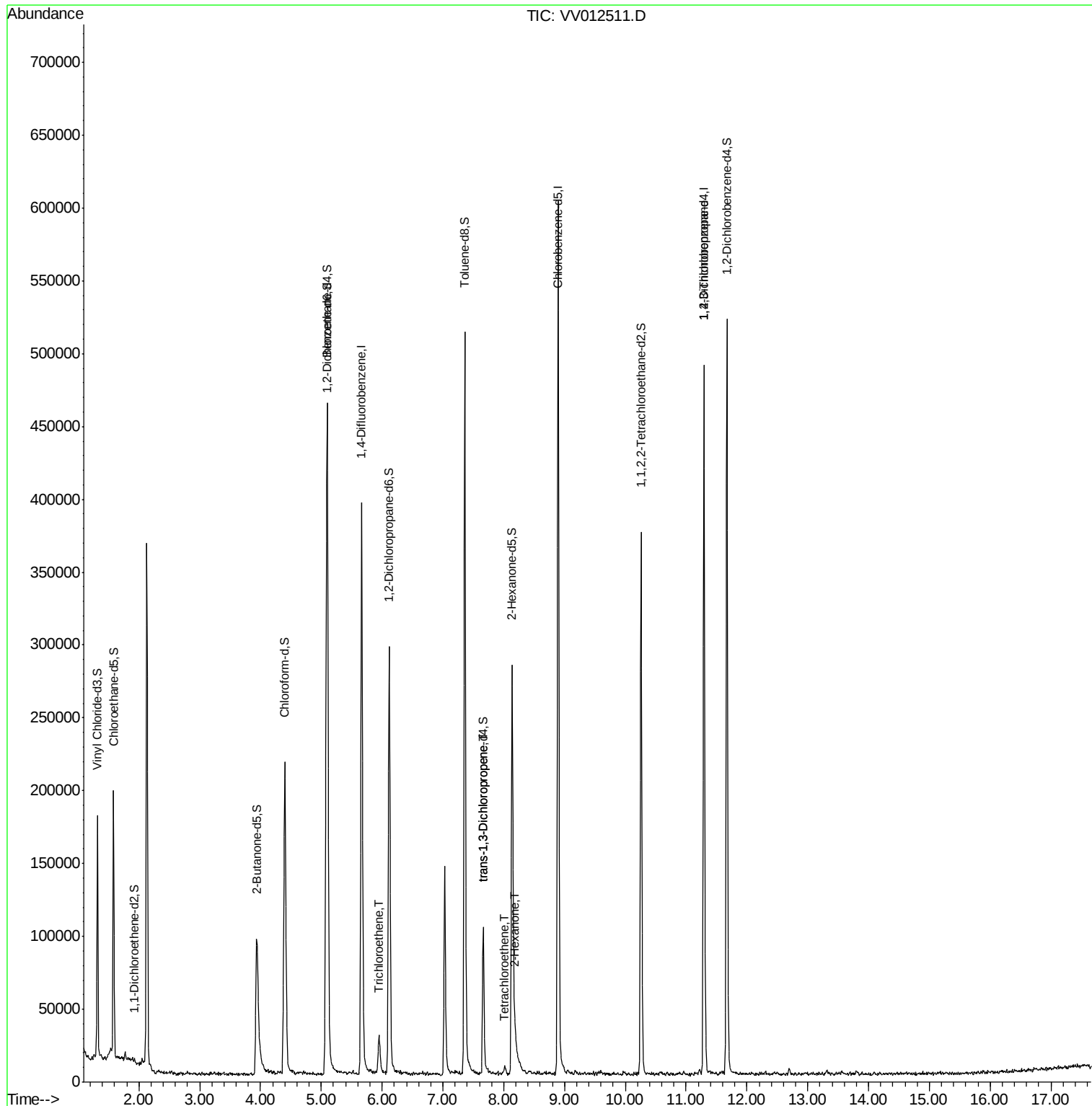
|                               |       |     |       |              | Qvalue |
|-------------------------------|-------|-----|-------|--------------|--------|
| 34) Trichloroethene           | 5.96  | 95  | 1902  | 0.741 ug/L   | 95     |
| 44) trans-1,3-Dichloropropene | 7.67  | 75  | 3092  | 0.948 ug/L # | 72     |
| 46) Tetrachloroethene         | 8.02  | 164 | 989   | 0.566 ug/L   | 84     |
| 48) 2-Hexanone                | 8.19  | 43  | 8314  | 2.995 ug/L # | 75     |
| 59) 1,2,3-Trichloropropane    | 11.29 | 75  | 17705 | 5.718 ug/L   | 89     |

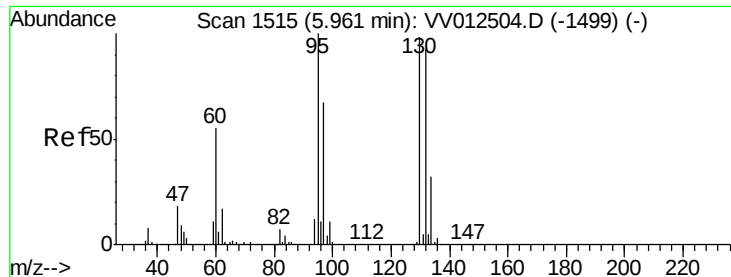
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#34

Trichloroethene

Concen: 0.741 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

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Acq: 01 Sep 2019 15:49

Instrument :

MSVOA\_V

ClientSampleId :

VIBLK40

Tgt Ion: 95 Resp: 1902

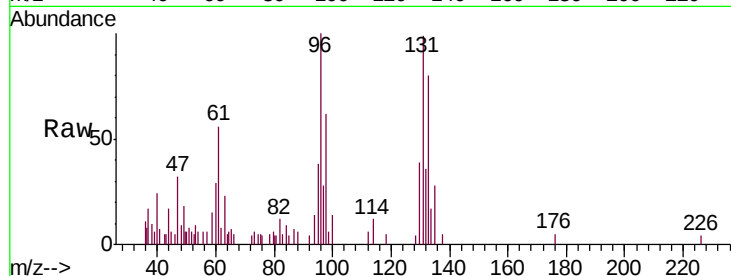
Ion Ratio Lower Upper

95 100

97 74.4 46.8 86.8

132 94.1 64.9 120.5

130 103.4 68.8 127.8

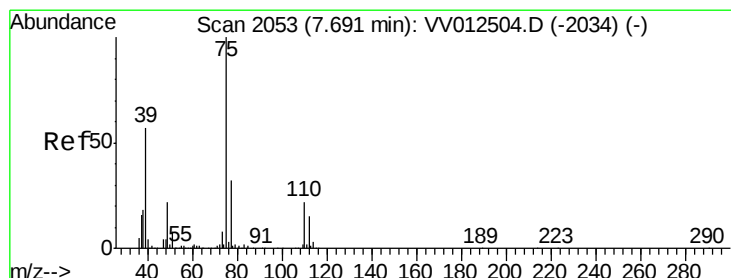
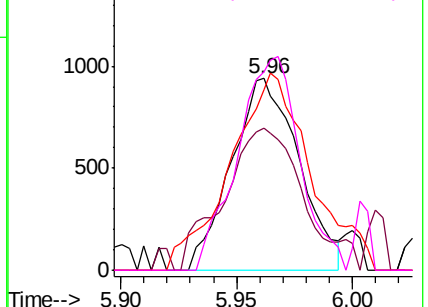
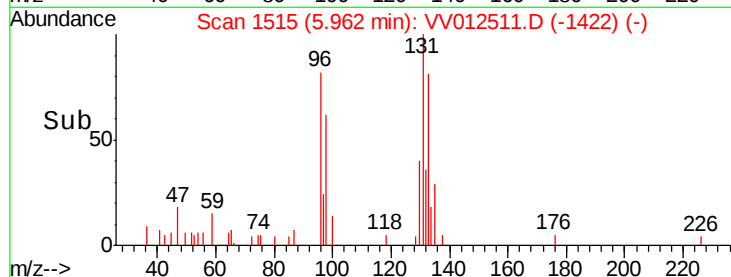


Abundance Ion 95.00 (94.70 to 95.70): VV012504.D (-1499) (-)

Ion 97.00 (96.70 to 97.70): VV012504.D (-1499) (-)

Ion 132.00 (131.70 to 132.70): VV012504.D (-1499) (-)

Ion 130.00 (129.70 to 130.70): VV012504.D (-1499) (-)



#44

trans-1,3-Dichloropropene

Concen: 0.948 ug/L

RT: 7.67 min Scan# 2046

Delta R.T. -0.02 min

Lab File: VV012511.D

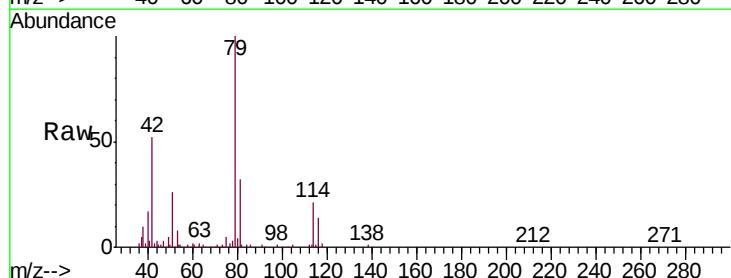
Acq: 01 Sep 2019 15:49

Tgt Ion: 75 Resp: 3092

Ion Ratio Lower Upper

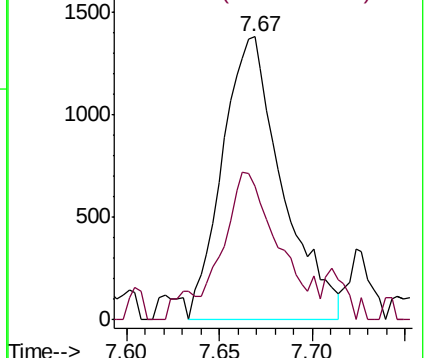
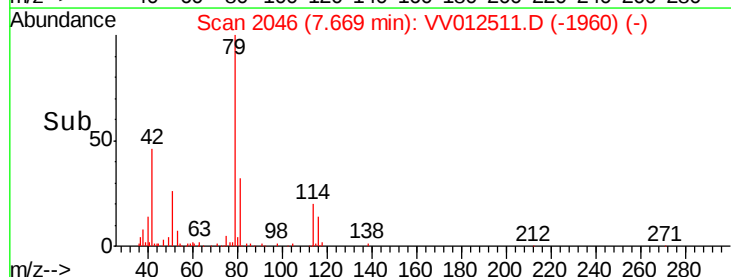
75 100

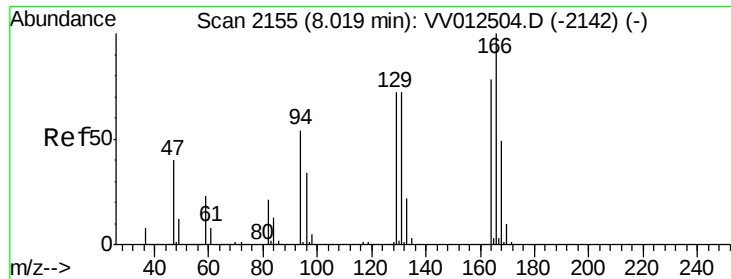
77 47.1 22.3 41.3#



Abundance Ion 75.00 (74.70 to 75.70): VV012504.D (-2034) (-)

Ion 77.00 (76.70 to 77.70): VV012504.D (-2034) (-)

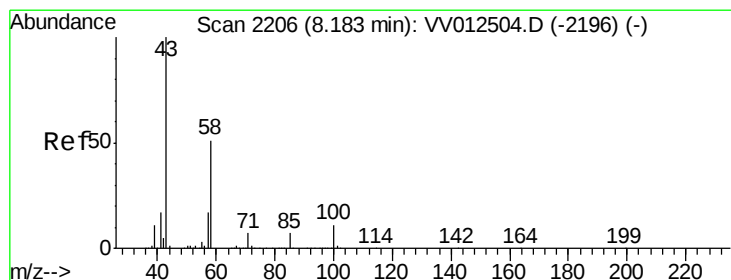
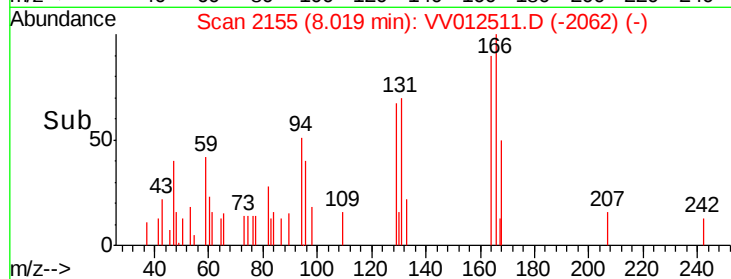
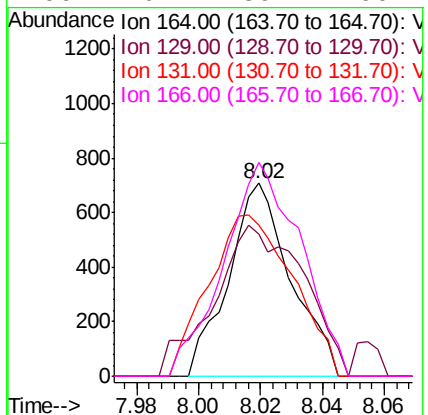
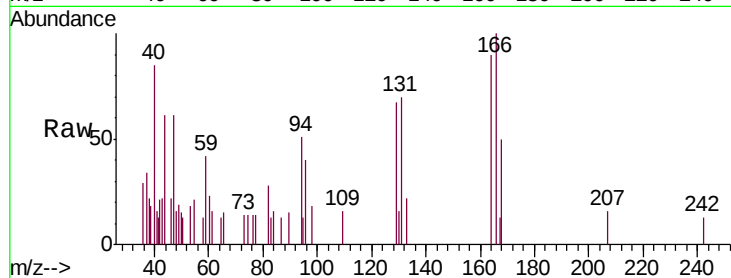




#46  
Tetrachloroethene  
Concen: 0.566 ug/L  
RT: 8.02 min Scan# 2155  
Delta R.T. 0.00 min  
Lab File: VV012511.D  
Acq: 01 Sep 2019 15:49

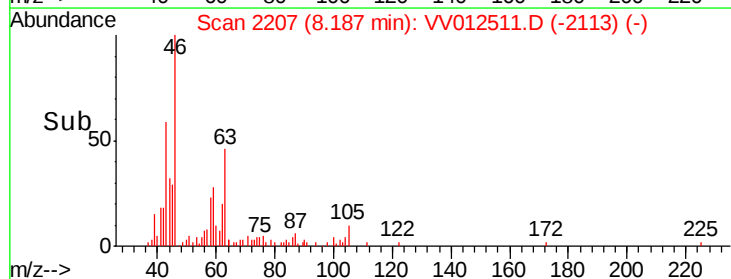
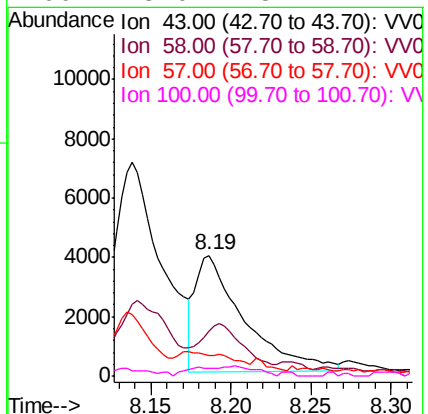
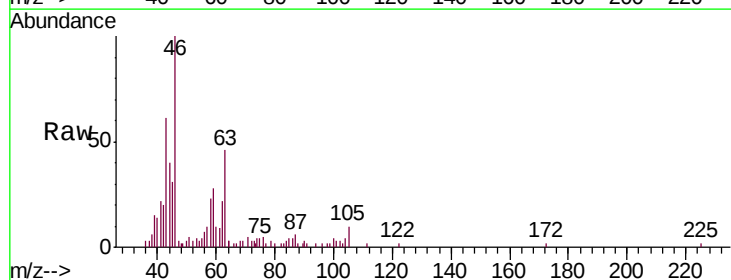
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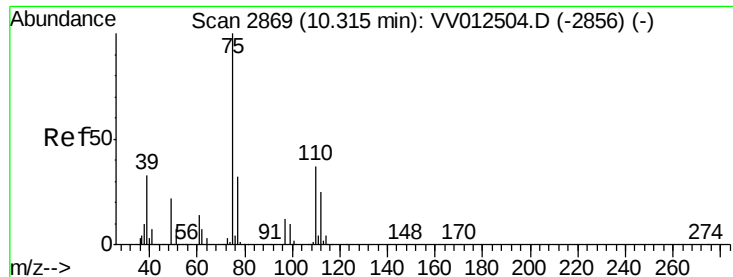
Tgt Ion:164 Resp: 989  
Ion Ratio Lower Upper  
164 100  
129 74.0 64.8 120.4  
131 78.1 64.3 119.5  
166 110.7 89.7 166.7



#48  
2-Hexanone  
Concen: 2.995 ug/L  
RT: 8.19 min Scan# 2207  
Delta R.T. 0.00 min  
Lab File: VV012511.D  
Acq: 01 Sep 2019 15:49

Tgt Ion: 43 Resp: 8314  
Ion Ratio Lower Upper  
43 100  
58 33.5 40.6 61.0#  
57 3.2 13.3 19.9#  
100 5.0 8.1 12.1#





#59

1,2,3-Trichloropropane

Concen: 5.718 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.98 min

Lab File: VV012511.D

Acq: 01 Sep 2019 15:49

Instrument :

MSVOA\_V

ClientSampleId :

VIBLK40

Tgt Ion: 75 Resp: 17705

Ion Ratio Lower Upper

75 100

77 37.8 25.5 38.3

