

Data File : VV010682.D  
Acq On : 06 May 2019 17:06  
Operator : SY/MD  
Sample : K2634-06  
Misc : 5.10G/10ML/MSVOA\_V/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Quant Time: May 07 04:06:19 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM050219S.M  
Quant Title : VOC Analysis  
QLast Update : Tue May 07 04:01:38 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 136059   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 128846   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 62001    | 25.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 21355    | 12.40    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 49.60% |
| 7) Chloroethane-d5             | 1.58   | 69    | 17966    | 14.90    | ug/L | 0.01   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 59.60% |
| 10) 1,1-Dichloroethene-d2      | 2.13   | 63    | 34741    | 11.50    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 46.00% |
| 20) 2-Butanone-d5              | 3.93   | 46    | 15891    | 30.32    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 60.64% |
| 24) Chloroform-d               | 4.40   | 84    | 71757    | 20.42    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 81.68% |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 38443    | 19.09    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 76.36% |
| 29) Benzene-d6                 | 5.10   | 84    | 144681   | 21.67    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 86.68% |
| 33) 1,2-Dichloropropane-d6     | 6.12   | 67    | 46450    | 22.71    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 90.84% |
| 37) Toluene-d8                 | 7.36   | 98    | 135854   | 21.17    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 84.68% |
| 38) trans-1,3-Dichloropropene- | 7.66   | 79    | 16034    | 18.97    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 75.88% |
| 39) 2-Hexanone-d5              | 8.13   | 63    | 13500    | 37.07    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 74.14% |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 35052    | 19.01    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 76.04% |
| 61) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 55264    | 23.16    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 92.64% |

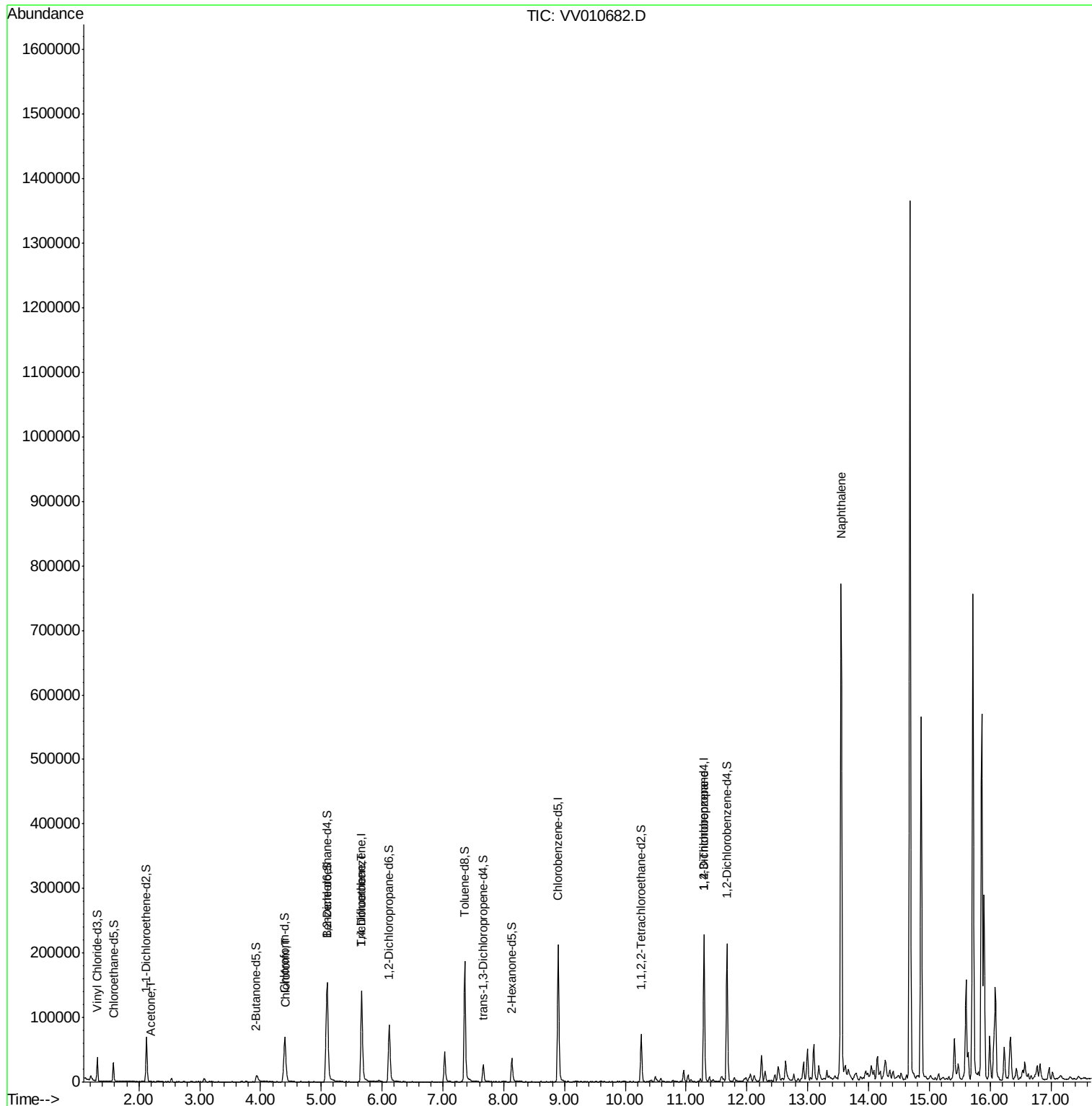
#### Target Compounds

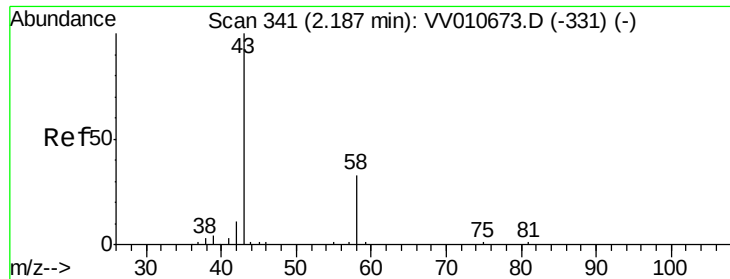
|                            |       |     |        |              | Qvalue |
|----------------------------|-------|-----|--------|--------------|--------|
| 13) Acetone                | 2.19  | 43  | 706    | 1.571 ug/L   | 99     |
| 25) Chloroform             | 4.42  | 83  | 3011   | 0.897 ug/L   | 79     |
| 35) Trichloroethene        | 5.66  | 95  | 3522   | 2.005 ug/L # | 4      |
| 59) 1,2,3-Trichloropropane | 11.29 | 75  | 7122   | 5.673 ug/L # | 88     |
| 69) Naphthalene            | 13.55 | 128 | 595490 | 150.262 ug/L | 99     |

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

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#13

Acetone

Concen: 1.571 ug/L

RT: 2.19 min Scan# 341

Delta R.T. -0.00 min

Lab File: VV010682.D

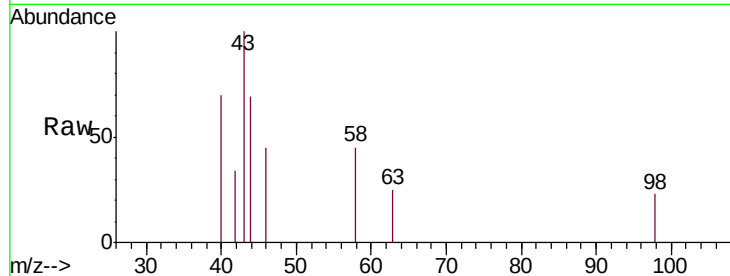
Acq: 06 May 2019 17:06

Tgt Ion: 43 Resp: 706

Ion Ratio Lower Upper

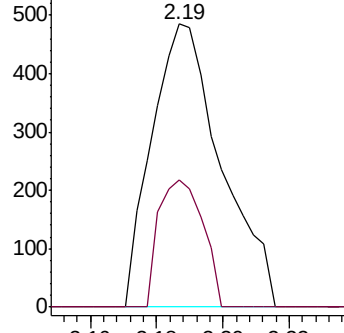
43 100

58 28.5 0.0 58.2

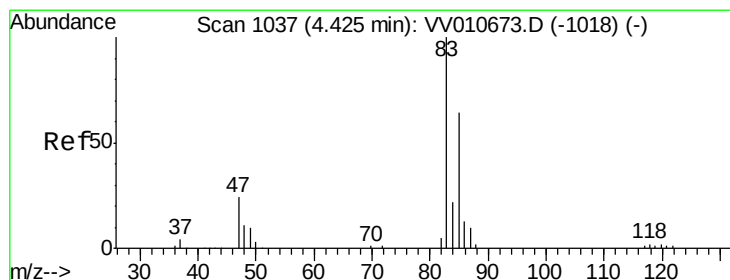
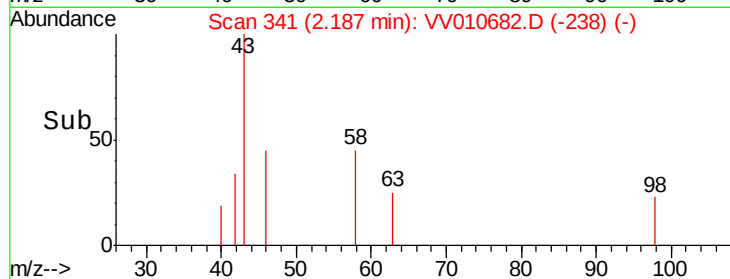


Abundance Ion 43.00 (42.70 to 43.70): VV010673.D (-331) (-)

Ion 58.00 (57.70 to 58.70): VV010673.D (-331) (-)



Time-->



#25

Chloroform

Concen: 0.897 ug/L

RT: 4.42 min Scan# 1037

Delta R.T. -0.00 min

Lab File: VV010682.D

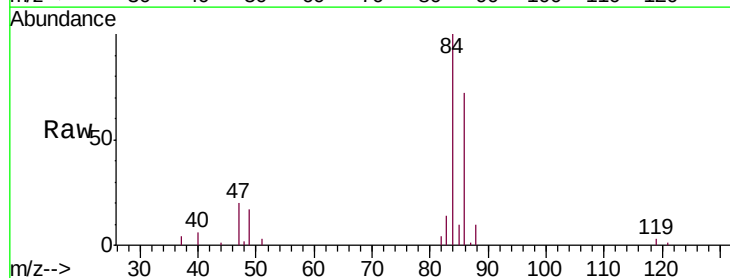
Acq: 06 May 2019 17:06

Tgt Ion: 83 Resp: 3011

Ion Ratio Lower Upper

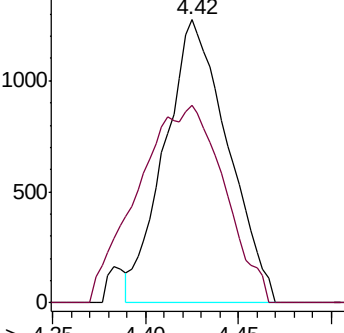
83 100

85 49.3 46.3 86.1

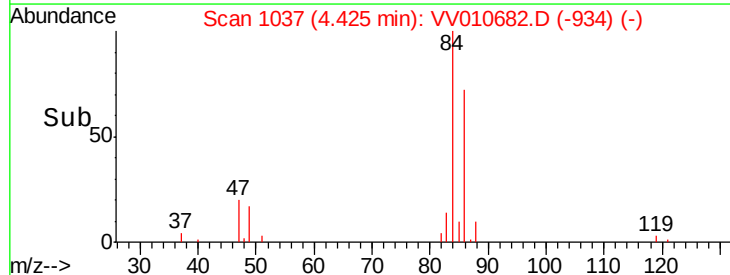


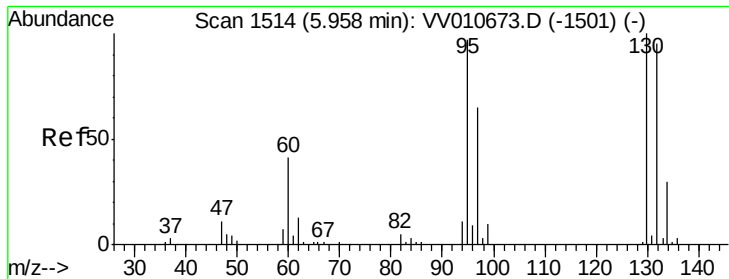
Abundance Ion 83.00 (82.70 to 83.70): VV010673.D (-1018) (-)

Ion 85.00 (84.70 to 85.70): VV010673.D (-1018) (-)



Time-->





#35

Trichloroethene

Concen: 2.005 ug/L

RT: 5.66 min Scan# 1421

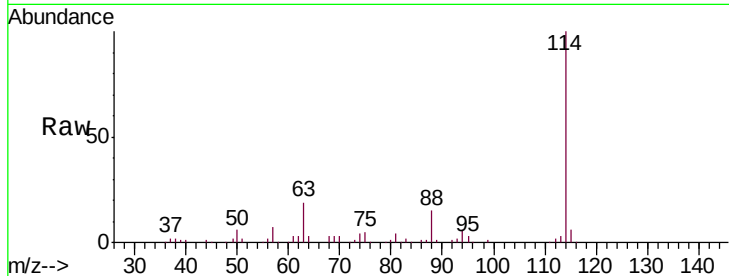
Delta R.T. -0.30 min

Lab File: VV010682.D

Acq: 06 May 2019 17:06

Tgt Ion: 95 Resp: 3522

| Ion | Ratio | Lower | Upper  |
|-----|-------|-------|--------|
| 95  | 100   |       |        |
| 97  | 0.0   | 45.0  | 83.6#  |
| 132 | 0.0   | 69.9  | 129.9# |
| 130 | 0.0   | 71.3  | 132.3# |



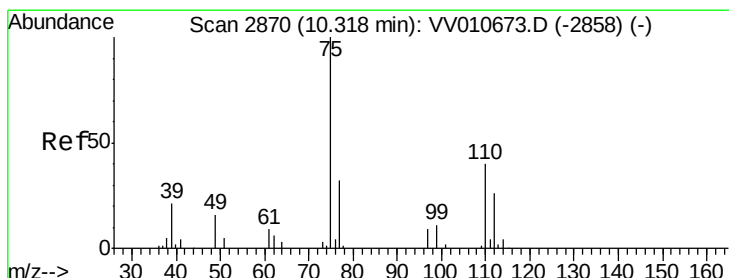
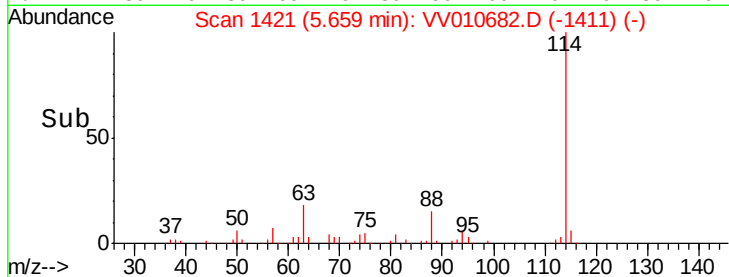
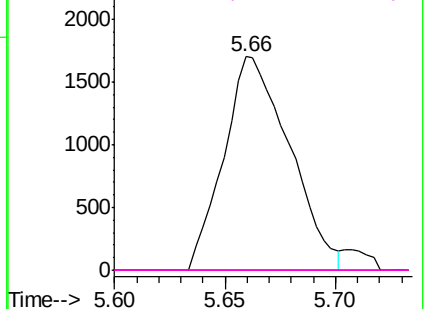
Abundance

Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): VV0

Ion 130.00 (129.70 to 130.70): VV0



#59

1,2,3-Trichloropropane

Concen: 5.673 ug/L

RT: 11.29 min Scan# 3173

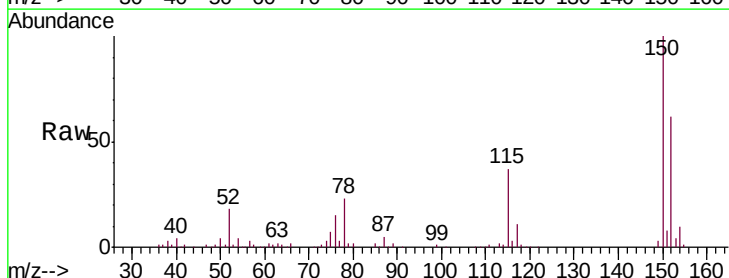
Delta R.T. 0.97 min

Lab File: VV010682.D

Acq: 06 May 2019 17:06

Tgt Ion: 75 Resp: 7122

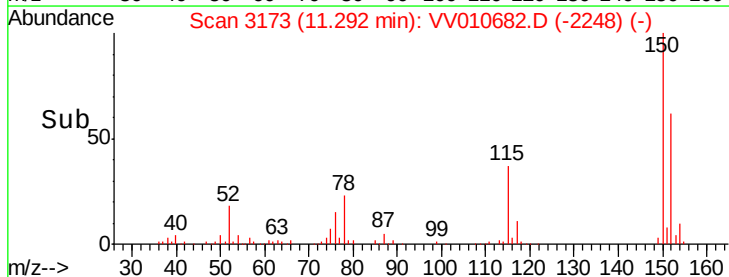
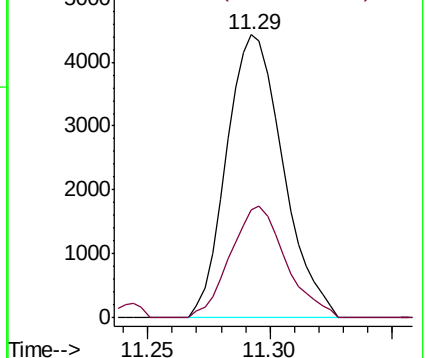
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 75  | 100   |       |       |
| 77  | 38.6  | 25.6  | 38.4# |

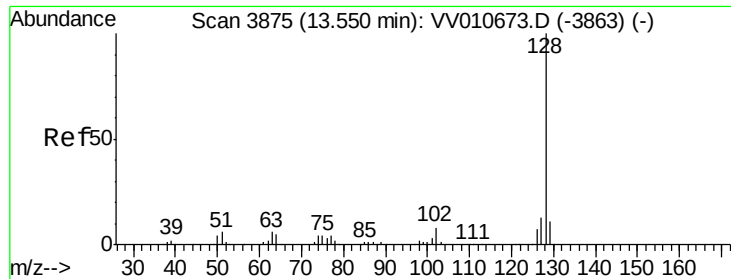


Abundance

Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0





#69

Naphthalene

Concen: 150.262 ug/L

RT: 13.55 min Scan# 3875

Delta R.T. -0.00 min

Lab File: VV010682.D

Acq: 06 May 2019 17:06

Tgt Ion:128 Resp: 595490

Ion Ratio Lower Upper

128 100

129 11.2 8.6 13.0

127 12.7 10.6 15.8

