

Data File : VV010381.D  
Acq On : 19 Apr 2019 12:10  
Operator : SY/MD  
Sample : K2402-13  
Misc : 5.03G/10mL/MSVOA\_V/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
GAHJ3RE

Quant Time: Apr 20 02:31:09 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM041819S.M  
Quant Title : VOC Analysis  
QLast Update : Sat Apr 20 02:27:31 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 40219    | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 37692    | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 15851    | 25.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 12638    | 24.75    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 99.00%   |
| 7) Chloroethane-d5             | 1.59   | 69    | 10838    | 25.26    | ug/L | 0.03     |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 101.04%  |
| 10) 1,1-Dichloroethene-d2      | 2.13   | 63    | 18948    | 15.38    | ug/L | 0.01     |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 61.52%   |
| 20) 2-Butanone-d5              | 3.95   | 46    | 7121     | 44.77    | ug/L | 0.02     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 89.54%   |
| 24) Chloroform-d               | 4.40   | 84    | 26603    | 25.16    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 100.64%  |
| 26) 1,2-Dichloroethane-d4      | 5.09   | 65    | 17344    | 27.79    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 111.16%  |
| 29) Benzene-d6                 | 5.10   | 84    | 47834    | 24.79    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 99.16%   |
| 33) 1,2-Dichloropropane-d6     | 6.12   | 67    | 15081    | 26.71    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 106.84%  |
| 37) Toluene-d8                 | 7.36   | 98    | 47368    | 25.54    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 102.16%  |
| 38) trans-1,3-Dichloropropene- | 7.67   | 79    | 6330     | 22.79    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 91.16%   |
| 39) 2-Hexanone-d5              | 8.14   | 63    | 4954     | 39.40    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 78.80%   |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 17323    | 30.67    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 122.68%# |
| 61) 1,2-Dichlorobenzene-d4     | 11.68  | 152   | 18529    | 29.73    | ug/L | 0.00     |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 118.92%  |

#### Target Compounds

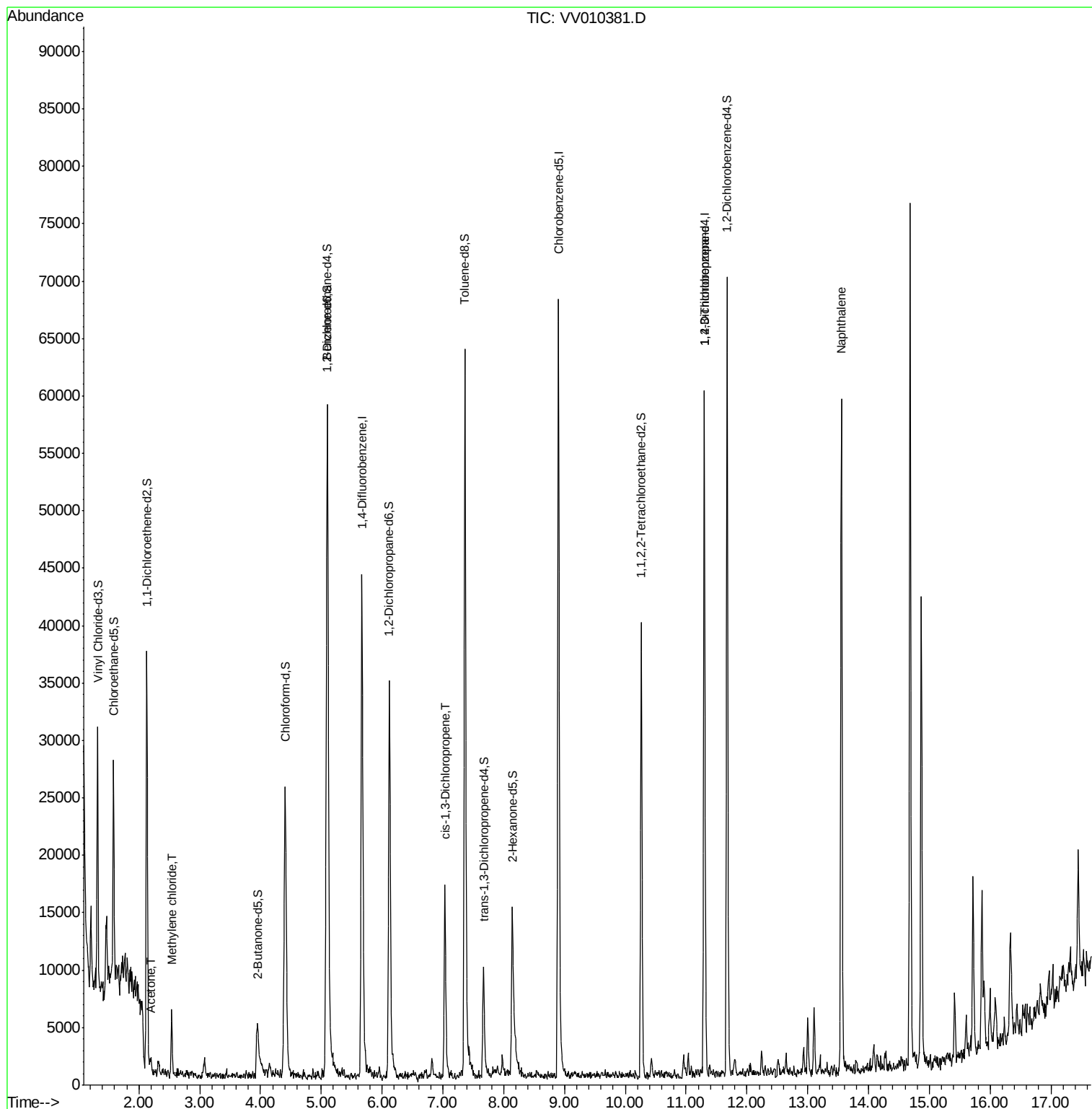
|                             |       |     |       |              | Qvalue |
|-----------------------------|-------|-----|-------|--------------|--------|
| 13) Acetone                 | 2.19  | 43  | 860   | 5.124 ug/L   | 82     |
| 16) Methylene chloride      | 2.54  | 84  | 1723  | 2.682 ug/L   | 94     |
| 42) cis-1,3-Dichloropropene | 7.04  | 75  | 563   | 0.791 ug/L # | 1      |
| 59) 1,2,3-Trichloropropane  | 11.30 | 75  | 1906  | 4.790 ug/L # | 83     |
| 69) Naphthalene             | 13.55 | 128 | 44791 | 37.747 ug/L  | 100    |

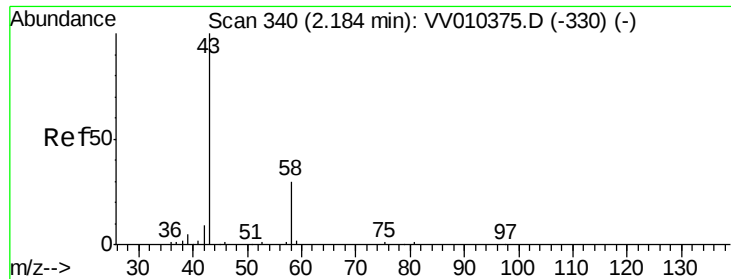
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 5.124 ug/L

RT: 2.19 min Scan# 341

Delta R.T. 0.00 min

Lab File: VV010381.D

Acq: 19 Apr 2019 12:10

Instrument :

MSVOA\_V

ClientSampleId :

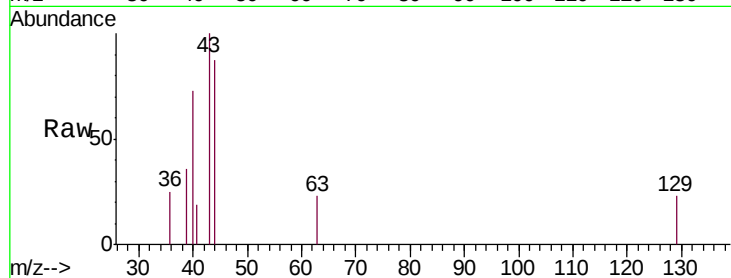
GAHJ3RE

Tgt Ion: 43 Resp: 860

Ion Ratio Lower Upper

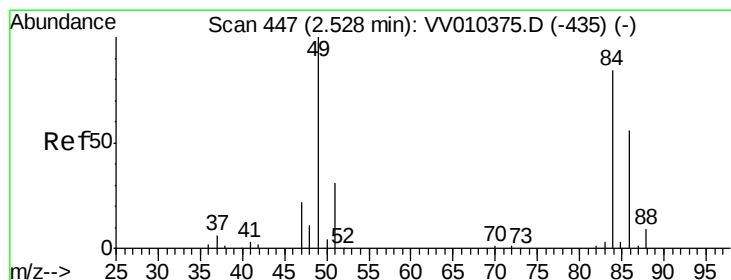
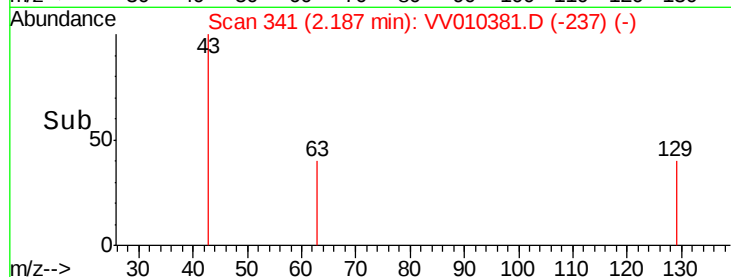
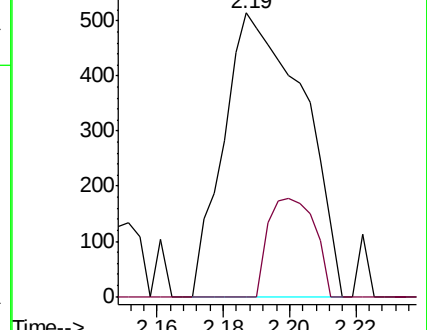
43 100

58 20.3 0.0 60.0



Abundance Ion 43.00 (42.70 to 43.70): VV010381.D (-341) (-)

Ion 58.00 (57.70 to 58.70): VV010381.D (-341) (-)



#16

Methylene chloride

Concen: 2.682 ug/L

RT: 2.54 min Scan# 451

Delta R.T. 0.01 min

Lab File: VV010381.D

Acq: 19 Apr 2019 12:10

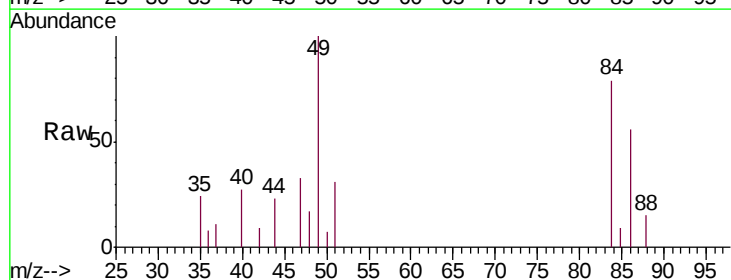
Tgt Ion: 84 Resp: 1723

Ion Ratio Lower Upper

84 100

49 127.0 83.8 155.6

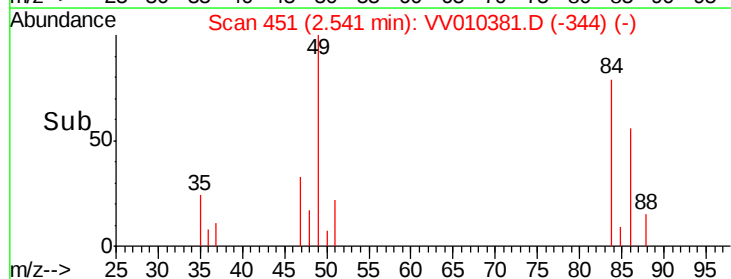
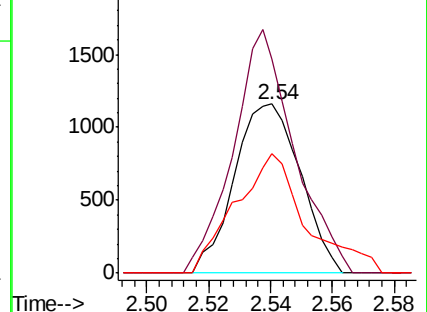
86 70.5 46.1 85.5

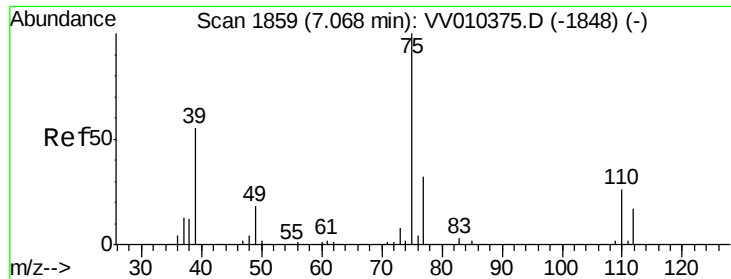


Abundance Ion 84.00 (83.70 to 84.70): VV010381.D (-344) (-)

Ion 49.00 (48.70 to 49.70): VV010381.D (-344) (-)

Ion 86.00 (85.70 to 86.70): VV010381.D (-344) (-)



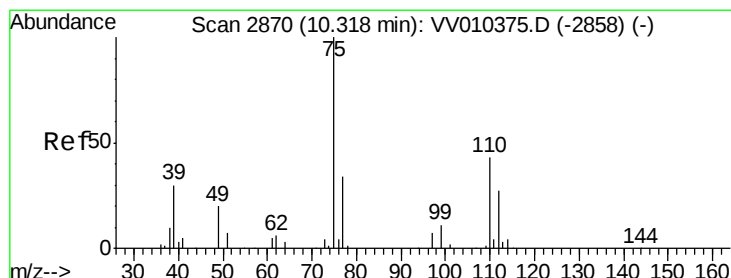
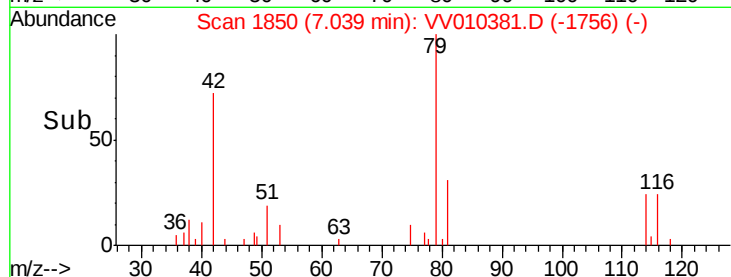
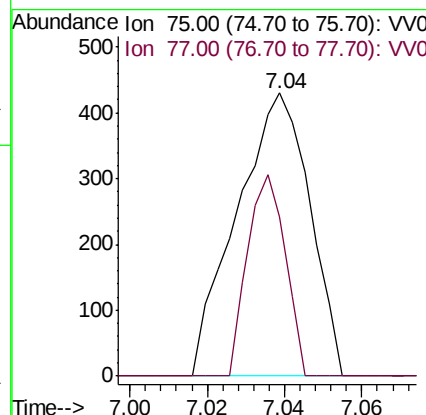
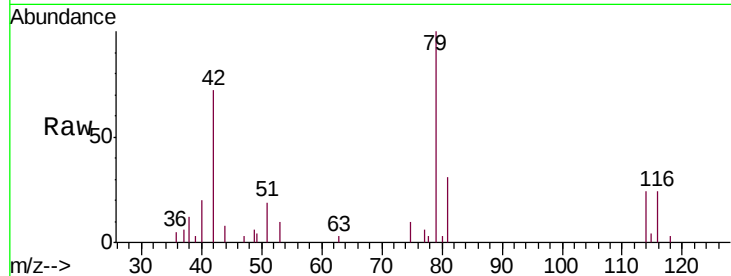


#42

cis-1,3-Dichloropropene  
Concen: 0.791 ug/L  
RT: 7.04 min Scan# 1850  
Delta R.T. -0.03 min  
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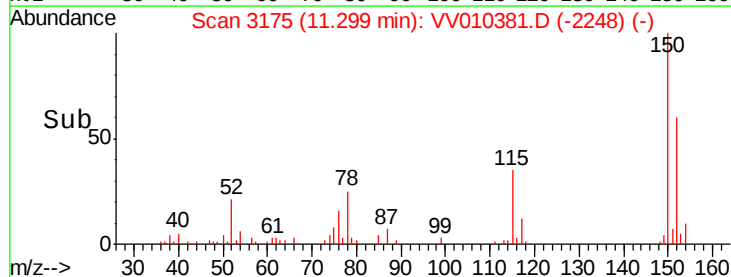
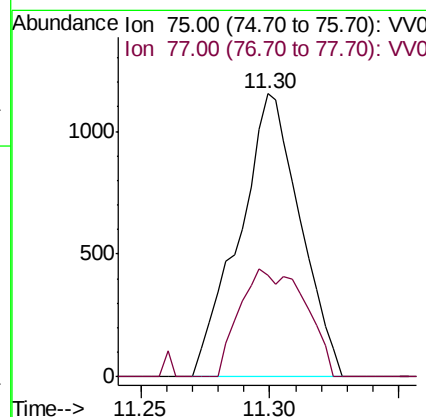
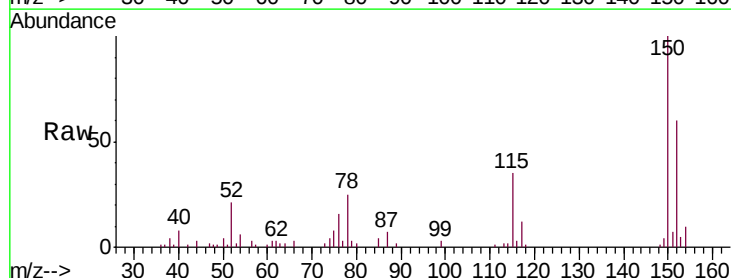
Tgt Ion: 75 Resp: 563  
Ion Ratio Lower Upper  
75 100  
77 84.7 21.1 39.1#

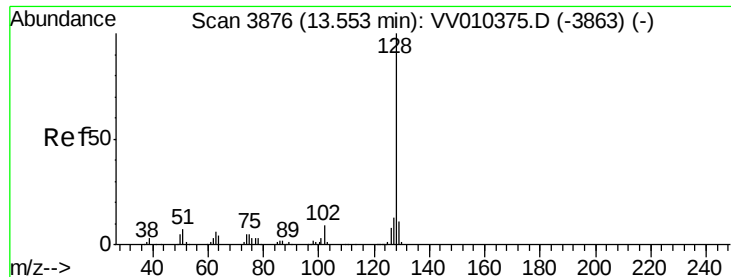


#59

1,2,3-Trichloropropane  
Concen: 4.790 ug/L  
RT: 11.30 min Scan# 3175  
Delta R.T. 0.98 min  
Lab File: VV010381.D  
Acq: 19 Apr 2019 12:10

Tgt Ion: 75 Resp: 1906  
Ion Ratio Lower Upper  
75 100  
77 23.0 25.8 38.8#





#69

Naphthalene

Concen: 37.747 ug/L

RT: 13.55 min Scan# 3876

Delta R.T. -0.00 min

Lab File: VV010381.D

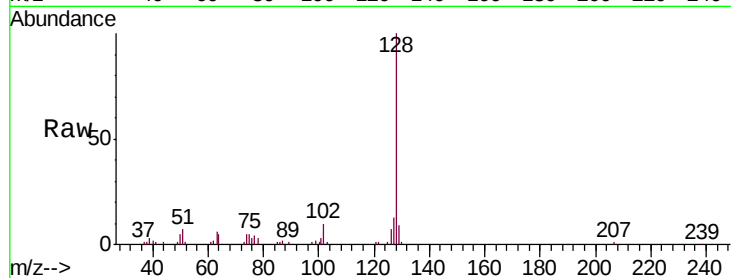
Acq: 19 Apr 2019 12:10

Instrument :

MSVOA\_V

ClientSampleId :

GAHJ3RE



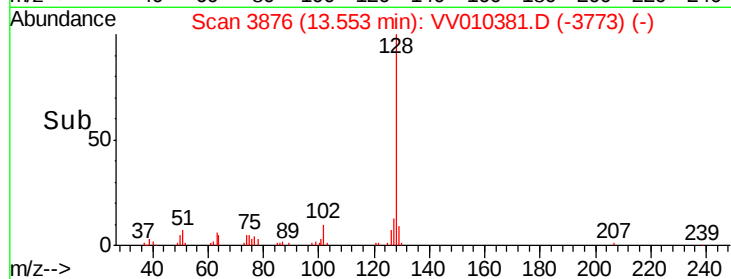
Tgt Ion:128 Resp: 44791

Ion Ratio Lower Upper

128 100

129 10.6 8.7 13.1

127 13.4 10.7 16.1



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

