

Data File : VV009382.D  
Acq On : 26 Feb 2019 22:08  
Operator : SY/MD  
Sample : K1622-06  
Misc : 2.77G/10ML/MSVOA\_V/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
BF5H9

Quant Time: Feb 27 04:49:10 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM022619S.M  
Quant Title : VOC Analysis  
QLast Update : Wed Feb 27 04:43:55 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 132669   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 113515   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 40900    | 25.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 26855    | 16.09    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 64.36%  |
| 7) Chloroethane-d5             | 1.57   | 69    | 38411    | 17.70    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 70.80%  |
| 10) 1,1-Dichloroethene-d2      | 2.13   | 63    | 72167    | 16.35    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 65.40%  |
| 20) 2-Butanone-d5              | 3.95   | 46    | 15912    | 31.64    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 63.28%  |
| 24) Chloroform-d               | 4.40   | 84    | 75565    | 23.48    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 93.92%  |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 42966    | 24.14    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 96.56%  |
| 29) Benzene-d6                 | 5.10   | 84    | 149255   | 24.73    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 98.92%  |
| 33) 1,2-Dichloropropane-d6     | 6.12   | 67    | 47013    | 26.58    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 106.32% |
| 37) Toluene-d8                 | 7.36   | 98    | 136875   | 23.65    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 94.60%  |
| 38) trans-1,3-Dichloropropene- | 7.67   | 79    | 16797    | 19.00    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 76.00%  |
| 39) 2-Hexanone-d5              | 8.13   | 63    | 14929    | 39.89    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 79.78%  |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 40730    | 23.58    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 94.32%  |
| 61) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 35829    | 23.65    | ug/L | 0.00    |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 94.60%  |

#### Target Compounds

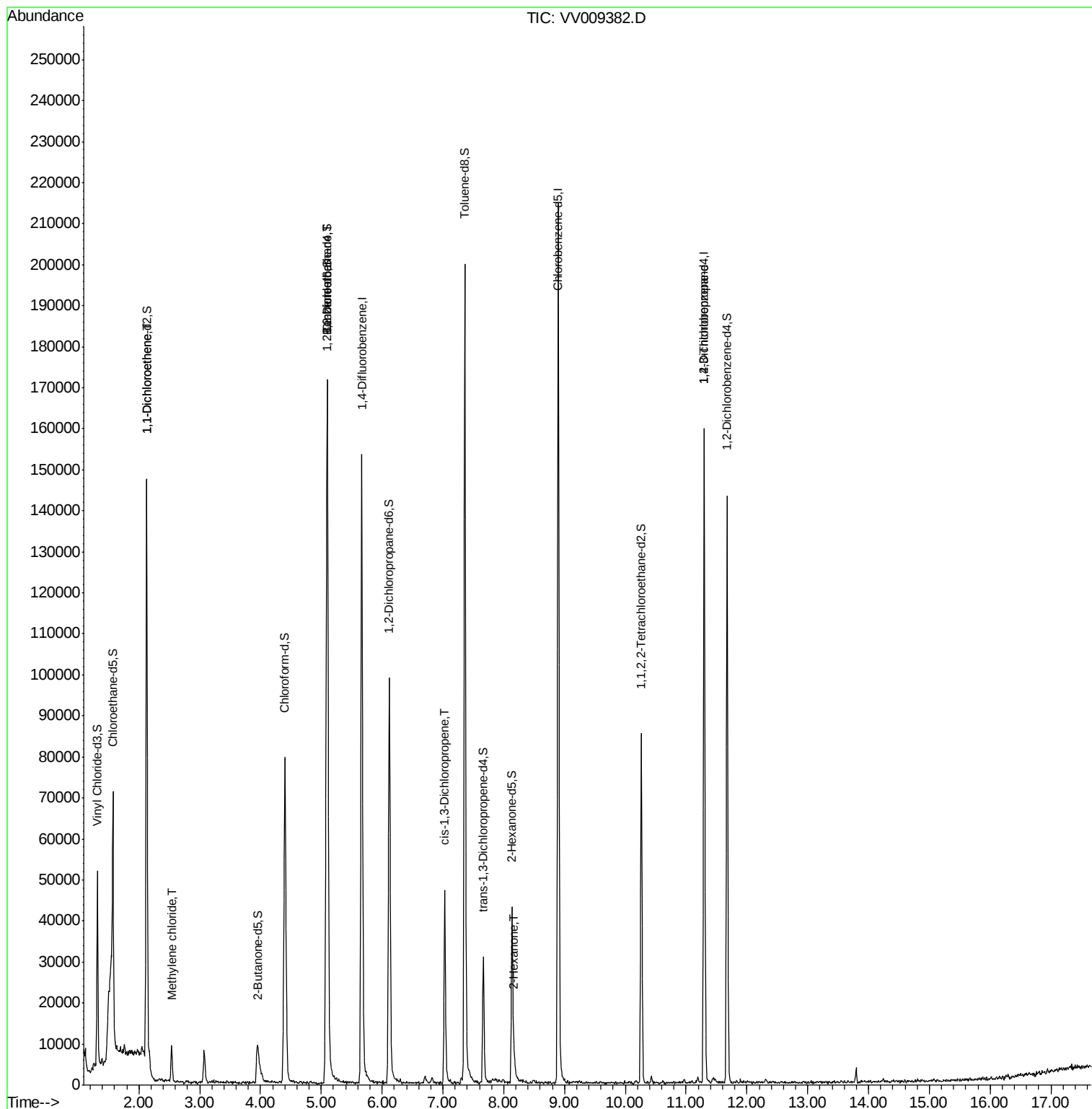
|                             |       |    |      |              | Qvalue |
|-----------------------------|-------|----|------|--------------|--------|
| 12) 1,1-Dichloroethene      | 2.13  | 96 | 924  | 0.485 ug/L # | 1      |
| 16) Methylene chloride      | 2.54  | 84 | 3485 | 1.939 ug/L   | 97     |
| 27) 1,2-Dichloroethane      | 5.10  | 62 | 844  | 0.381 ug/L # | 77     |
| 42) cis-1,3-Dichloropropene | 7.03  | 75 | 1331 | 0.533 ug/L # | 75     |
| 49) 2-Hexanone              | 8.17  | 43 | 3362 | 3.582 ug/L # | 42     |
| 59) 1,2,3-Trichloropropane  | 11.29 | 75 | 5979 | 4.753 ug/L   | 90     |

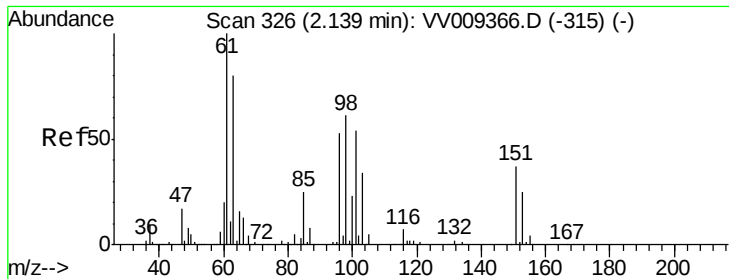
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#12

1,1-Dichloroethene

Concen: 0.485 ug/L

RT: 2.13 min Scan# 323

Delta R.T. -0.01 min

Lab File: VV009382.D

Acq: 26 Feb 2019 22:08

Instrument :

MSVOA\_V

ClientSampleId :

BF5H9

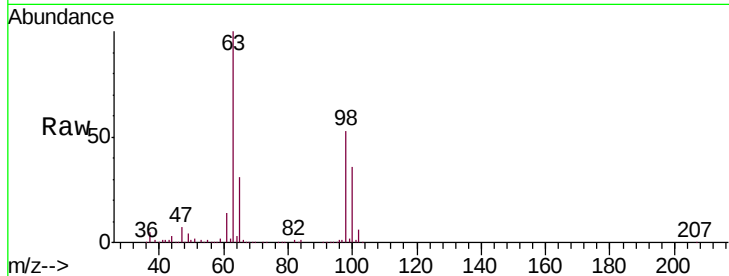
Tgt Ion: 96 Resp: 924

Ion Ratio Lower Upper

96 100

61 1284.6 136.9 254.3#

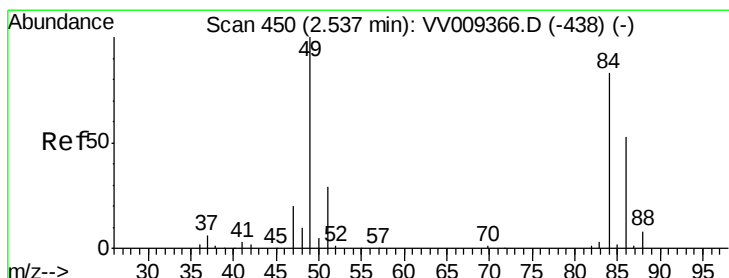
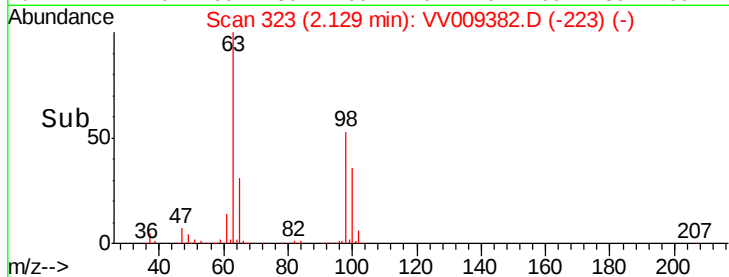
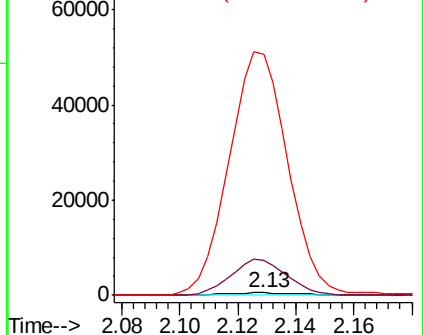
63 8896.8 108.7 201.9#



Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.00 (60.70 to 61.70): VV0

Ion 63.00 (62.70 to 63.70): VV0



#16

Methylene chloride

Concen: 1.939 ug/L

RT: 2.54 min Scan# 451

Delta R.T. 0.00 min

Lab File: VV009382.D

Acq: 26 Feb 2019 22:08

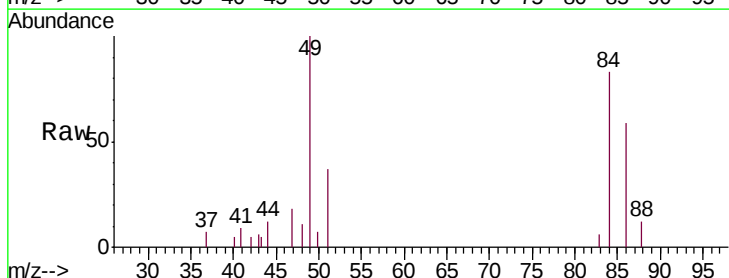
Tgt Ion: 84 Resp: 3485

Ion Ratio Lower Upper

84 100

49 119.9 84.6 157.0

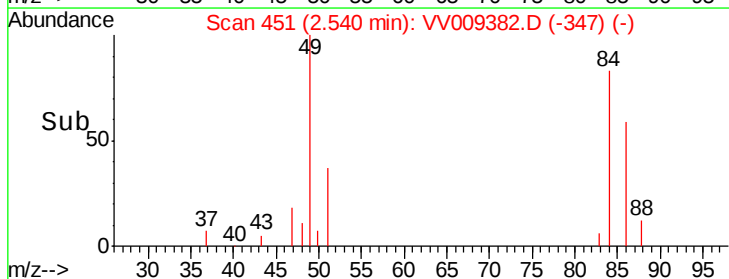
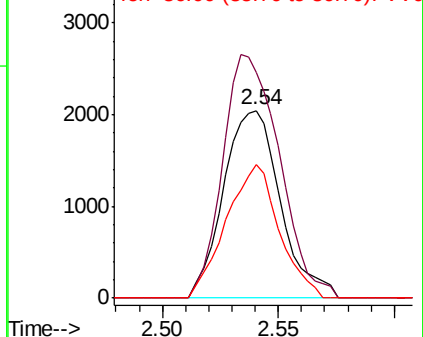
86 71.1 46.1 85.7

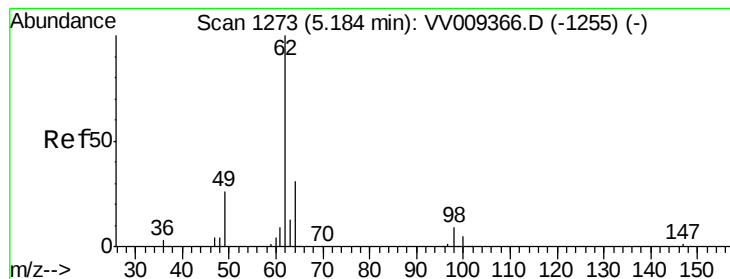


Abundance Ion 84.00 (83.70 to 84.70): VV0

Ion 49.00 (48.70 to 49.70): VV0

Ion 86.00 (85.70 to 86.70): VV0





#27

1,2-Dichloroethane

Concen: 0.381 ug/L

RT: 5.10 min Scan# 1246

Delta R.T. -0.09 min

Lab File: VV009382.D

Acq: 26 Feb 2019 22:08

Instrument :

MSVOA\_V

ClientSampleId :

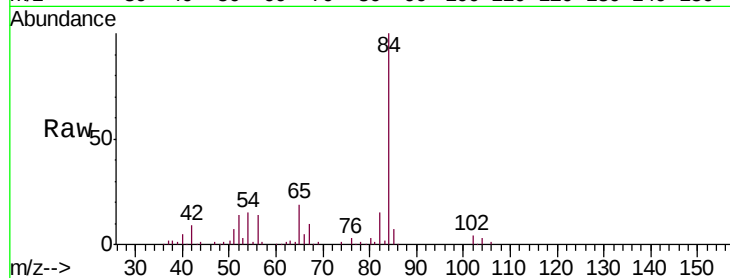
BF5H9

Tgt Ion: 62 Resp: 844

Ion Ratio Lower Upper

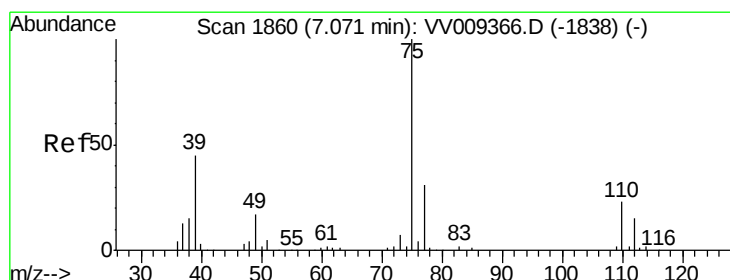
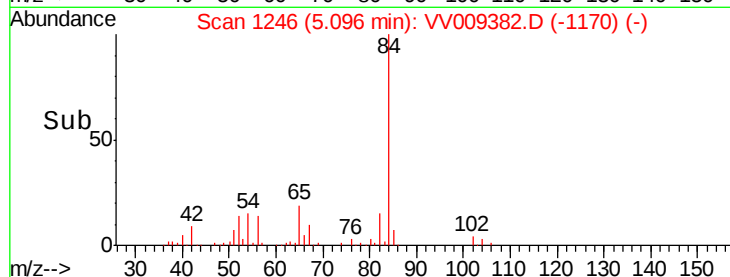
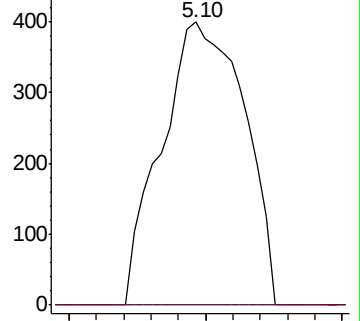
62 100

98 0.0 6.6 10.0#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 98.00 (97.70 to 98.70): VV0



#42

cis-1,3-Dichloropropene

Concen: 0.533 ug/L

RT: 7.03 min Scan# 1847

Delta R.T. -0.04 min

Lab File: VV009382.D

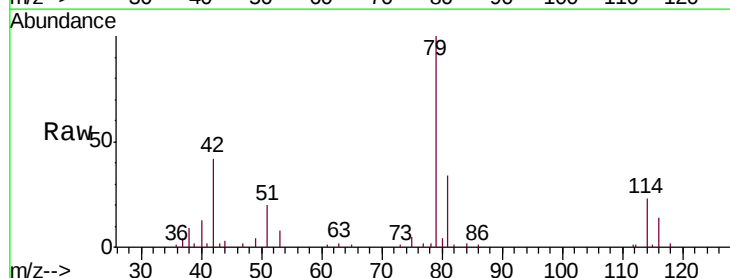
Acq: 26 Feb 2019 22:08

Tgt Ion: 75 Resp: 1331

Ion Ratio Lower Upper

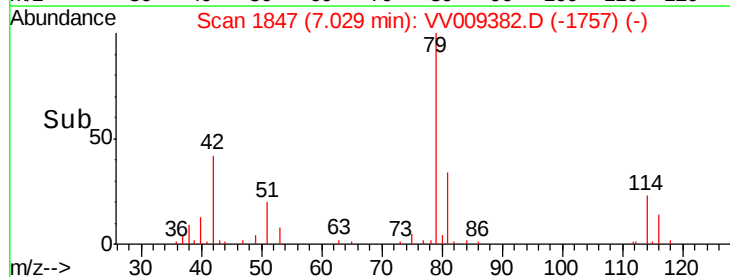
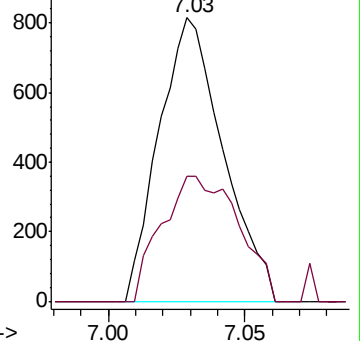
75 100

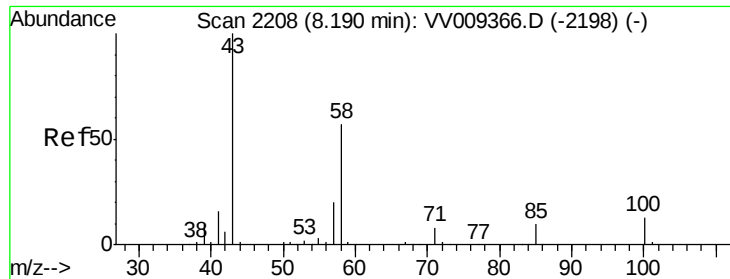
77 44.0 21.4 39.8#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0





#49

2-Hexanone

Concen: 3.582 ug/L

RT: 8.17 min Scan# 2202

Delta R.T. -0.02 min

Lab File: VV009382.D

Acq: 26 Feb 2019 22:08

Instrument :

MSVOA\_V

ClientSampled :

BF5H9

Tgt Ion: 43 Resp: 3362

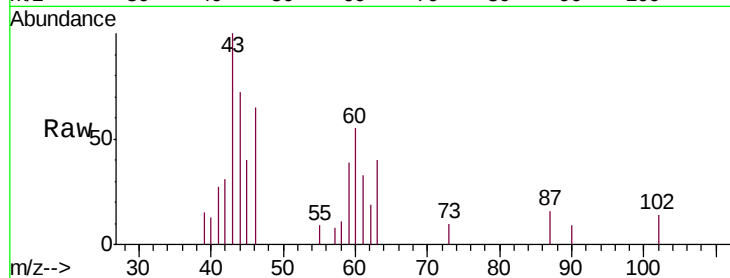
Ion Ratio Lower Upper

43 100

58 4.0 46.3 69.5#

57 4.7 15.8 23.6#

100 0.0 10.0 15.0#

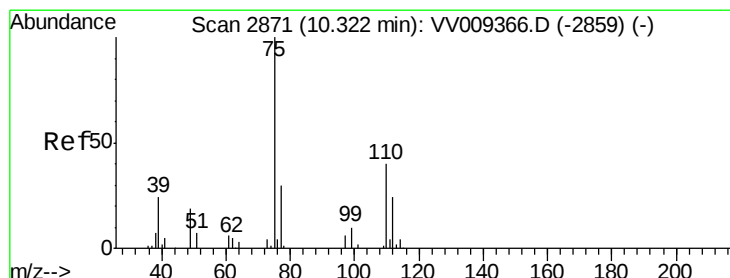
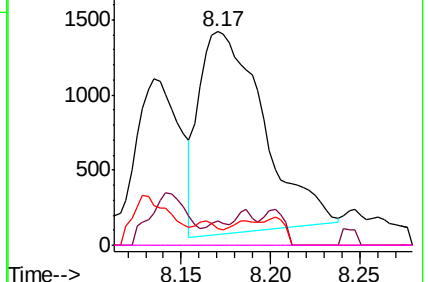
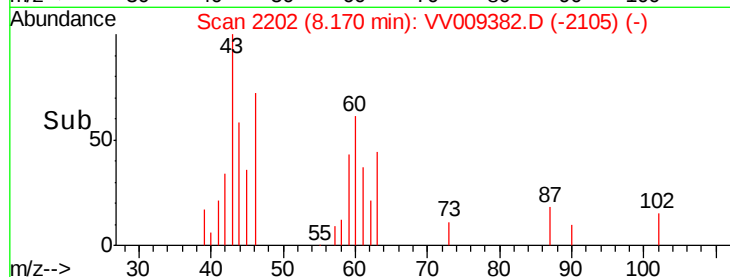


Abundance Ion 43.00 (42.70 to 43.70): VV009382.D (-2105) (-)

Ion 58.00 (57.70 to 58.70): VV009382.D (-2105) (-)

Ion 57.00 (56.70 to 57.70): VV009382.D (-2105) (-)

Ion 100.00 (99.70 to 100.70): VV009382.D (-2105) (-)



#59

1,2,3-Trichloropropane

Concen: 4.753 ug/L

RT: 11.29 min Scan# 3173

Delta R.T. 0.97 min

Lab File: VV009382.D

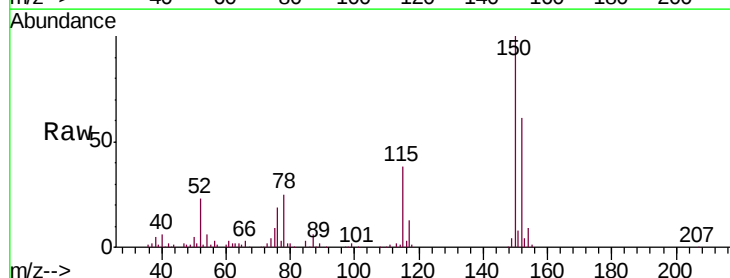
Acq: 26 Feb 2019 22:08

Tgt Ion: 75 Resp: 5979

Ion Ratio Lower Upper

75 100

77 37.7 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VV009382.D (-2249) (-)

Ion 77.00 (76.70 to 77.70): VV009382.D (-2249) (-)

