

Data File : VV006066.D  
Acq On : 26 May 2018 19:45  
Operator : SY/MD  
Sample : J3090-17 100X  
Misc : 5.0 mL/MSVOA\_V/WATER  
ALS Vial : 20 Sample Multiplier: 1

Quant Time: May 28 02:08:16 2018  
Quant Method : W:\HPCHEM1\MSVOA\_V\METHOD\SOMVLM052518WMA.M  
Quant Title : VOC Analysis  
QLast Update : Mon May 28 02:03:29 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 172870   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 157616   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 61216    | 50.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32    | 65    | 29431    | 24.38    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 48.76%# |
| 7) Chloroethane-d5             | 1.55    | 69    | 7992     | 9.36     | ug/L | -0.02   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 18.72%# |
| 11) 1,1-Dichloroethene-d2      | 2.11    | 63    | 79014    | 35.16    | ug/L | -0.03   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 70.32%  |
| 21) 2-Butanone-d5              | 3.96    | 46    | 54197    | 78.37    | ug/L | 0.01    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 78.37%  |
| 24) Chloroform-d               | 4.40    | 84    | 104624   | 45.97    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 91.94%  |
| 26) 1,2-Dichloroethane-d4      | 5.09    | 65    | 73515    | 49.49    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 98.98%  |
| 32) Benzene-d6                 | 5.10    | 84    | 208400   | 49.74    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 99.48%  |
| 36) 1,2-Dichloropropane-d6     | 6.12    | 67    | 67009    | 50.36    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 100.72% |
| 41) Toluene-d8                 | 7.36    | 98    | 182533   | 47.09    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 94.18%  |
| 43) trans-1,3-Dichloropropene- | 7.67    | 79    | 27022    | 44.09    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 88.18%  |
| 47) 2-Hexanone-d5              | 8.15    | 63    | 49826    | 95.27    | ug/L | 0.01    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 95.27%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27   | 84    | 89133    | 48.71    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 97.42%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.68   | 152   | 66099    | 54.29    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 108.58% |

| Target Compounds           |       |    |       |       |        | Qvalue |
|----------------------------|-------|----|-------|-------|--------|--------|
| 22) 2-Butanone             | 4.04  | 43 | 1278  | 1.25  | ug/L # | 66     |
| 34) Trichloroethene        | 5.96  | 95 | 49801 | 39.18 | ug/L   | 98     |
| 35) Methylcyclohexane      | 6.12  | 83 | 16285 | 8.23  | ug/L # | 18     |
| 37) 1,2-Dichloropropane    | 6.12  | 63 | 7700  | 5.81  | ug/L # | 87     |
| 48) 2-Hexanone             | 8.15  | 43 | 7029  | 5.24  | ug/L # | 69     |
| 59) 1,2,3-Trichloropropane | 11.30 | 75 | 7438  | 4.41  | ug/L # | 87     |

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

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ALS Vial : 20 Sample Multiplier: 1

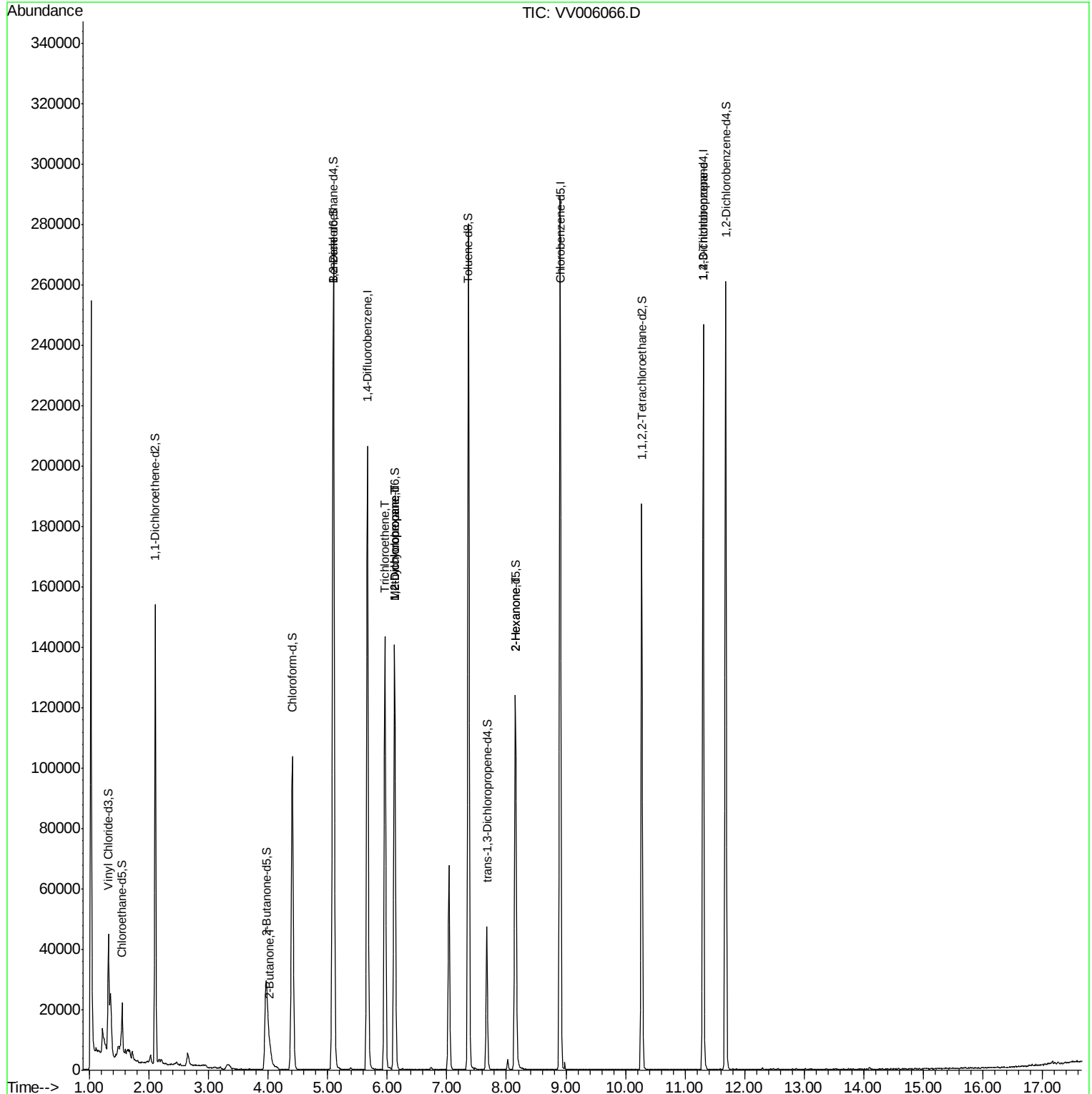
Quant Time: May 28 02:08:16 2018

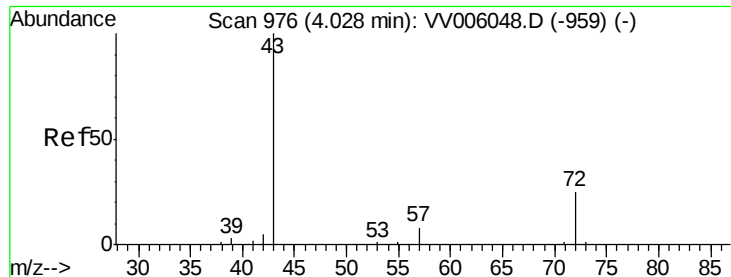
Quant Method : W:\HPCHEM1\MSVOA\_V\METHOD\SOMVLM052518WMA.M

Quant Title : VOC Analysis

QLast Update : Mon May 28 02:03:29 2018

Response via : Initial Calibration





#22

2-Butanone

Concen: 1.25 ug/L

RT: 4.04 min Scan# 979

Delta R.T. 0.01 min

Lab File: VV006066.D

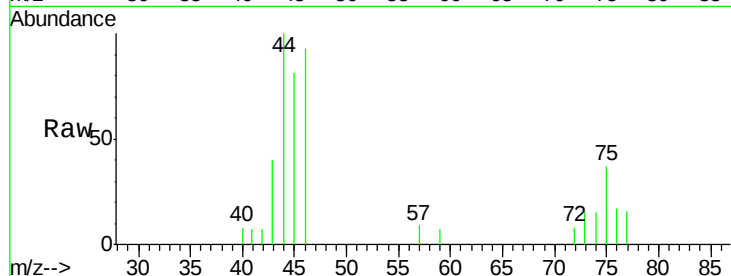
Acq: 26 May 2018 19:45

Tgt Ion: 43 Resp: 1278

Ion Ratio Lower Upper

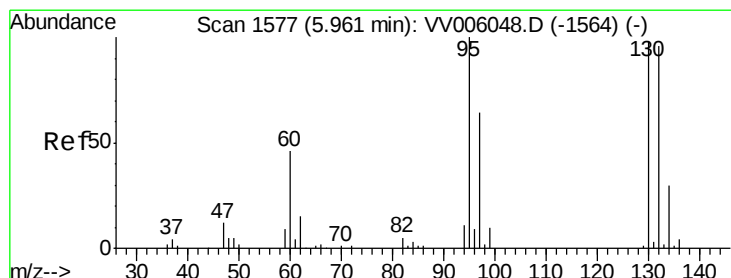
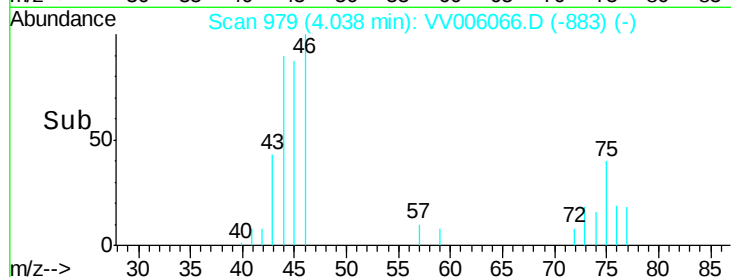
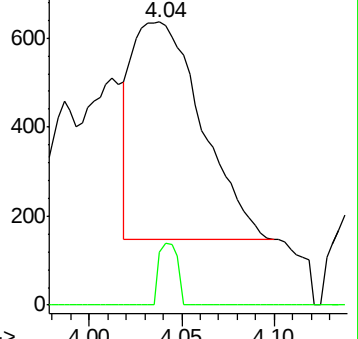
43 100

72 7.7 12.4 37.0#



Abundance Ion 43.00 (42.70 to 43.70): VV006048.D (-959) (-)

Ion 72.00 (71.70 to 72.70): VV006048.D (-959) (-)



#34

Trichloroethene

Concen: 39.18 ug/L

RT: 5.96 min Scan# 1577

Delta R.T. 0.00 min

Lab File: VV006066.D

Acq: 26 May 2018 19:45

Tgt Ion: 95 Resp: 49801

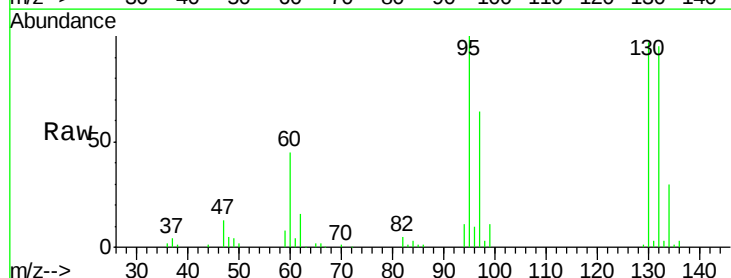
Ion Ratio Lower Upper

95 100

97 64.2 44.0 81.6

132 94.7 65.0 120.6

130 97.0 66.6 123.8

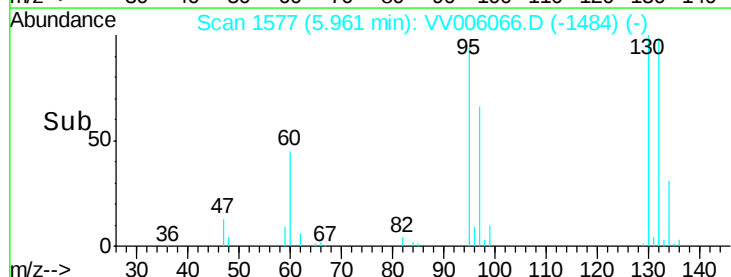
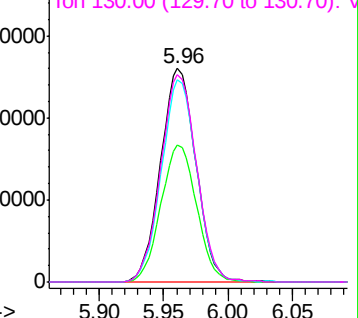


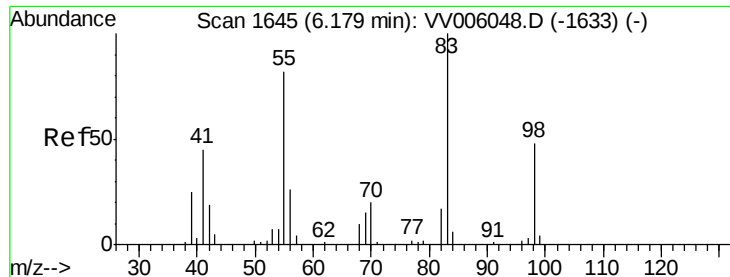
Abundance Ion 95.00 (94.70 to 95.70): VV006048.D (-1564) (-)

Ion 97.00 (96.70 to 97.70): VV006048.D (-1564) (-)

Ion 132.00 (131.70 to 132.70): VV006048.D (-1564) (-)

Ion 130.00 (129.70 to 130.70): VV006048.D (-1564) (-)





#35

Methylcyclohexane

Concen: 8.23 ug/L

RT: 6.12 min Scan# 1627

Delta R.T. -0.06 min

Lab File: VV006066.D

Acq: 26 May 2018 19:45

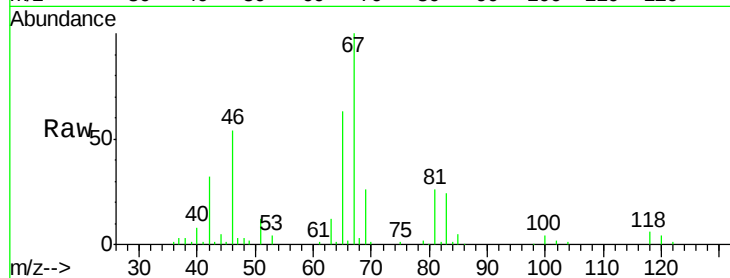
Tgt Ion: 83 Resp: 16285

Ion Ratio Lower Upper

83 100

55 0.0 63.1 94.7#

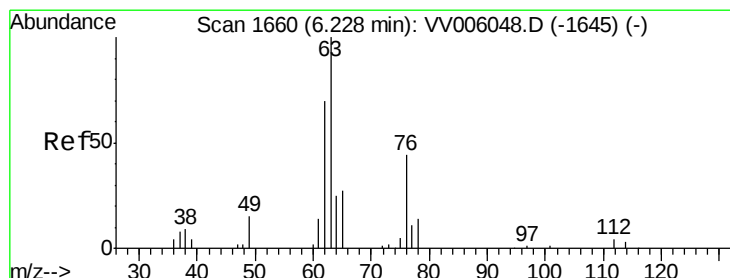
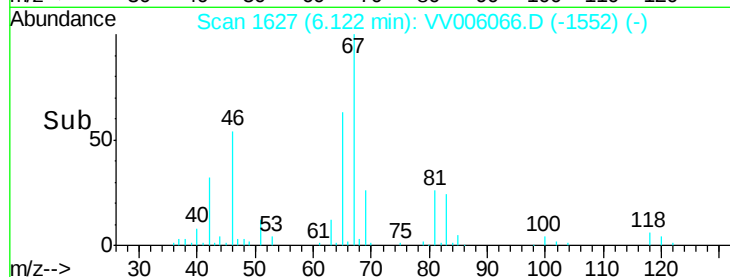
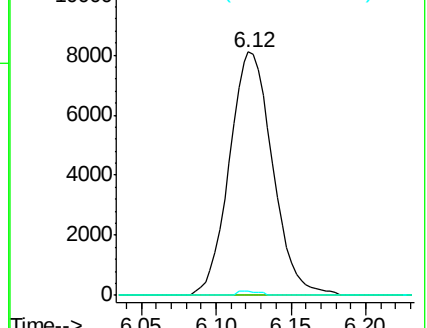
98 0.7 37.8 56.8#



Abundance Ion 83.00 (82.70 to 83.70): VV006048.D (-1633) (-)

Ion 55.00 (54.70 to 55.70): VV006048.D (-1633) (-)

Ion 98.00 (97.70 to 98.70): VV006048.D (-1633) (-)



#37

1,2-Dichloropropane

Concen: 5.81 ug/L

RT: 6.12 min Scan# 1627

Delta R.T. -0.11 min

Lab File: VV006066.D

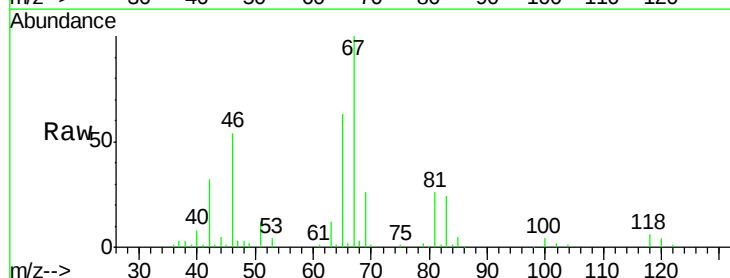
Acq: 26 May 2018 19:45

Tgt Ion: 63 Resp: 7700

Ion Ratio Lower Upper

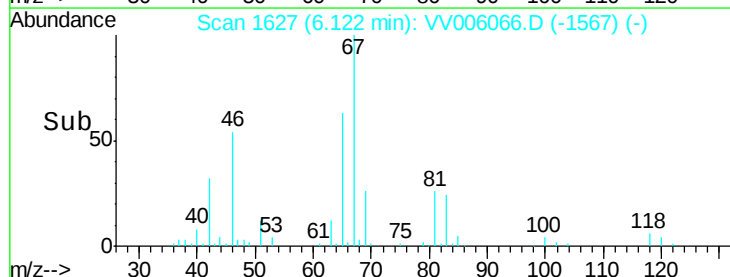
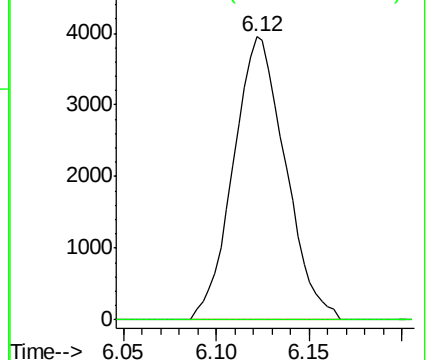
63 100

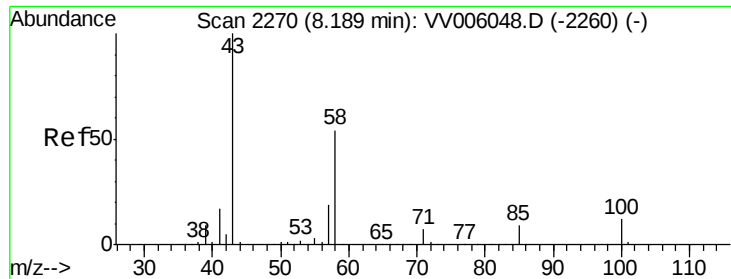
112 0.0 3.4 5.2#



Abundance Ion 63.00 (62.70 to 63.70): VV006048.D (-1645) (-)

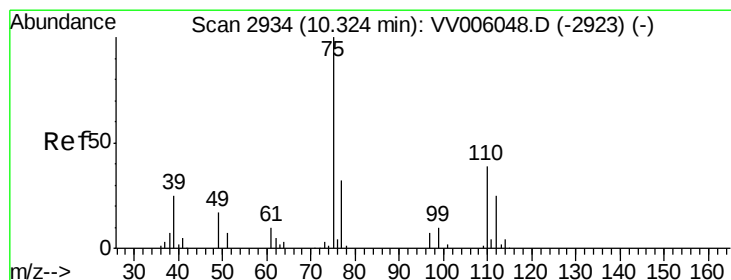
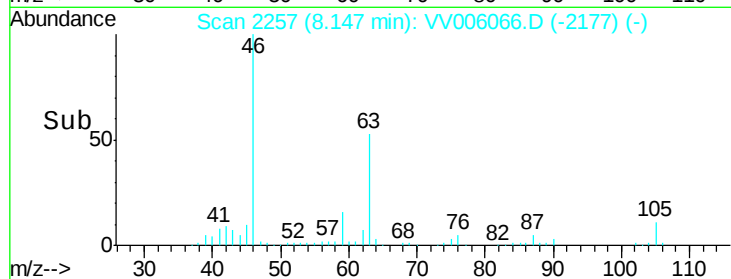
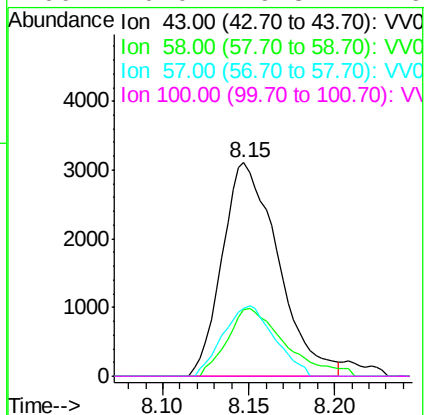
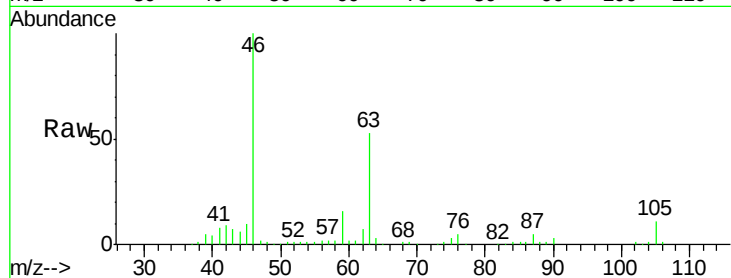
Ion 112.00 (111.70 to 112.70): VV006048.D (-1645) (-)





#48  
 2-Hexanone  
 Concen: 5.24 ug/L  
 RT: 8.15 min Scan# 2257  
 Delta R.T. -0.04 min  
 Lab File: VV006066.D  
 Acq: 26 May 2018 19:45

Tgt Ion: 43 Resp: 7029  
 Ion Ratio Lower Upper  
 43 100  
 58 32.2 45.4 68.2#  
 57 30.4 15.9 23.9#  
 100 0.0 9.8 14.6#



#59  
 1,2,3-Trichloropropane  
 Concen: 4.41 ug/L  
 RT: 11.30 min Scan# 3239  
 Delta R.T. 0.98 min  
 Lab File: VV006066.D  
 Acq: 26 May 2018 19:45

Tgt Ion: 75 Resp: 7438  
 Ion Ratio Lower Upper  
 75 100  
 77 39.7 25.8 38.6#

