

Data File : VV009458.D  
Acq On : 01 Mar 2019 16:15  
Operator : SY/MD  
Sample : K1624-06  
Misc : 25ML/MSVOA\_V/WATER  
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Mar 02 00:11:42 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR022819WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Sat Mar 02 00:06:51 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 92977    | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 89343    | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 41934    | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 20965    | 4.32     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 86.40%  |
| 7) Chloroethane-d5             | 1.58   | 69    | 21162    | 4.82     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 96.40%  |
| 11) 1,1-Dichloroethene-d2      | 2.13   | 63    | 41818    | 3.40     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 68.00%  |
| 20) 2-Butanone-d5              | 3.97   | 46    | 48257    | 52.40    | ug/L | 0.02    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 104.80% |
| 24) Chloroform-d               | 4.40   | 84    | 42571    | 4.48     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 89.60%  |
| 26) 1,2-Dichloroethane-d4      | 5.09   | 65    | 23316    | 4.97     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 99.40%  |
| 32) Benzene-d6                 | 5.10   | 84    | 90698    | 4.77     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 95.40%  |
| 36) 1,2-Dichloropropane-d6     | 6.12   | 67    | 27731    | 4.80     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 96.00%  |
| 41) Toluene-d8                 | 7.36   | 98    | 90448    | 4.66     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 93.20%  |
| 43) trans-1,3-Dichloropropene- | 7.67   | 79    | 10385    | 4.06     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 81.20%  |
| 46) 2-Hexanone-d5              | 8.14   | 63    | 38971    | 46.98    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 93.96%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 21517    | 4.79     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 95.80%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.68  | 152   | 32244    | 4.78     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 95.60%  |

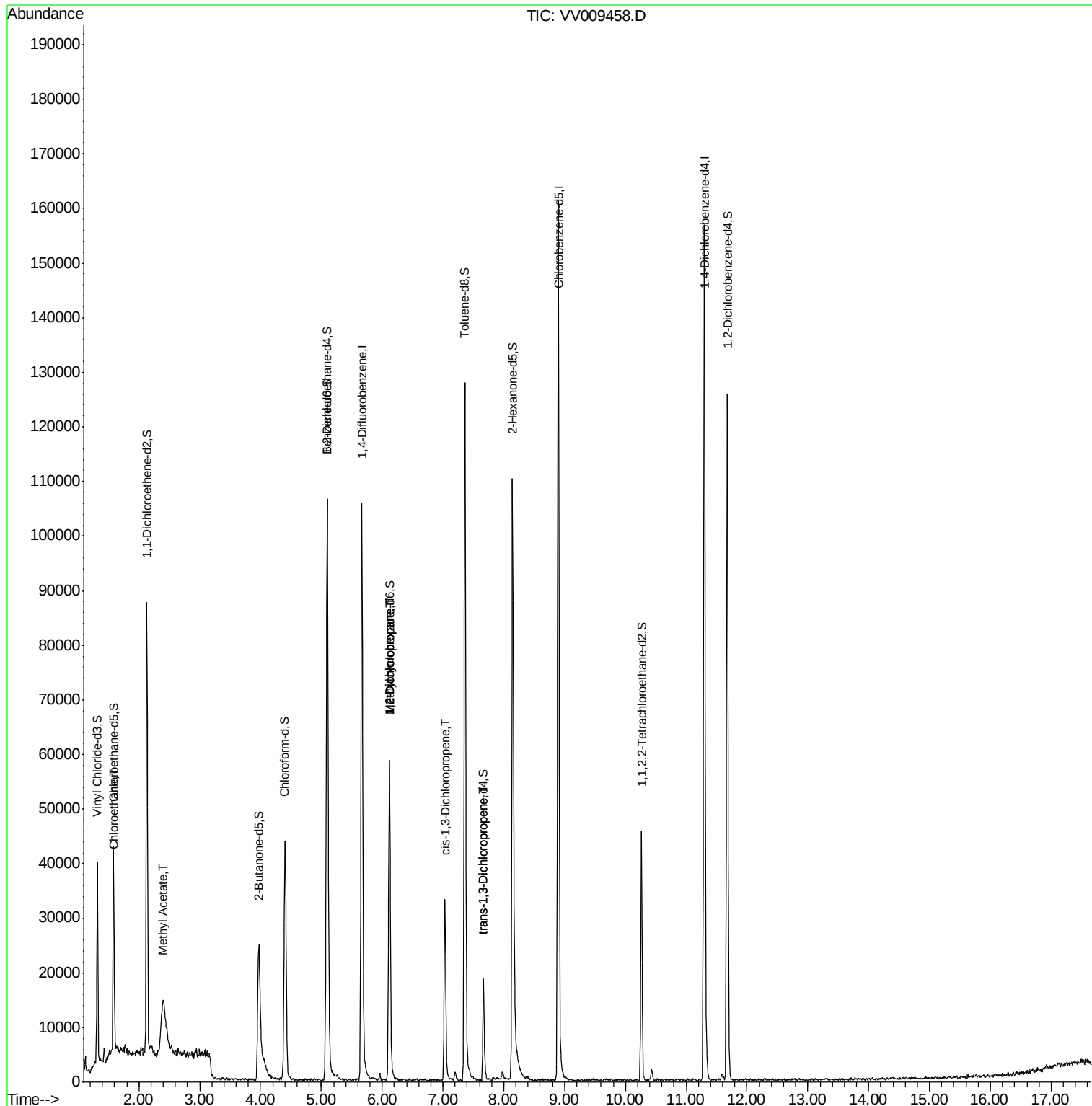
#### Target Compounds

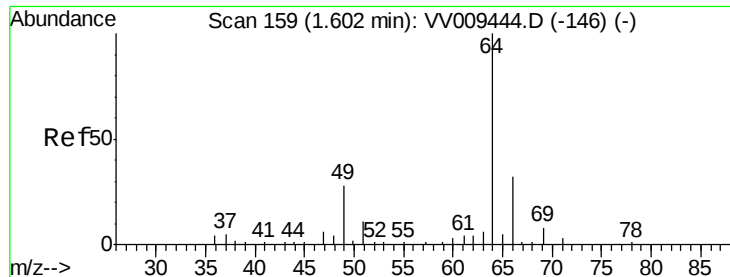
|                               |      |    |      |              | Qvalue |
|-------------------------------|------|----|------|--------------|--------|
| 8) Chloroethane               | 1.60 | 64 | 707  | 0.160 ug/L # | 44     |
| 15) Methyl Acetate            | 2.41 | 43 | 1098 | 0.481 ug/L # | 49     |
| 35) Methylcyclohexane         | 6.12 | 83 | 7096 | 0.659 ug/L # | 18     |
| 37) 1,2-Dichloropropane       | 6.12 | 63 | 3252 | 0.572 ug/L # | 88     |
| 39) cis-1,3-Dichloropropene   | 7.03 | 75 | 996  | 0.111 ug/L # | 67     |
| 44) trans-1,3-Dichloropropene | 7.67 | 75 | 657  | 0.094 ug/L   | 96     |

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

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#8

Chloroethane

Concen: 0.160 ug/L

RT: 1.60 min Scan# 158

Delta R.T. -0.00 min

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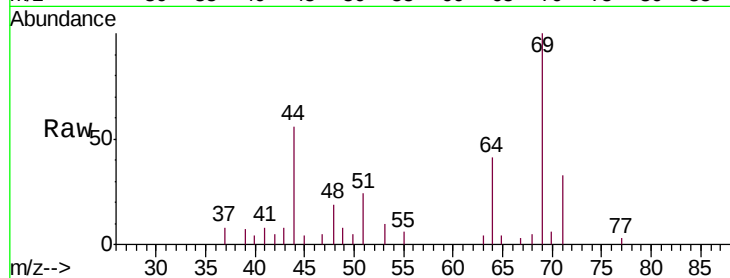
Acq: 01 Mar 2019 16:15

Tgt Ion: 64 Resp: 707

Ion Ratio Lower Upper

64 100

66 0.0 21.3 39.5#



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0

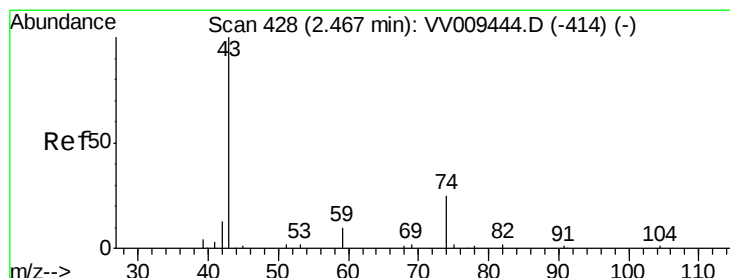
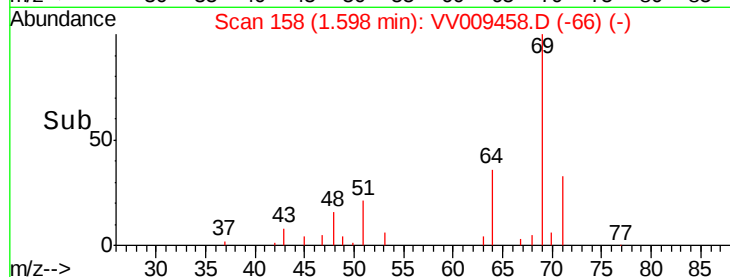
1500

1000

500

0

Time-->



#15

Methyl Acetate

Concen: 0.481 ug/L

RT: 2.41 min Scan# 409

Delta R.T. -0.06 min

Lab File: VV009458.D

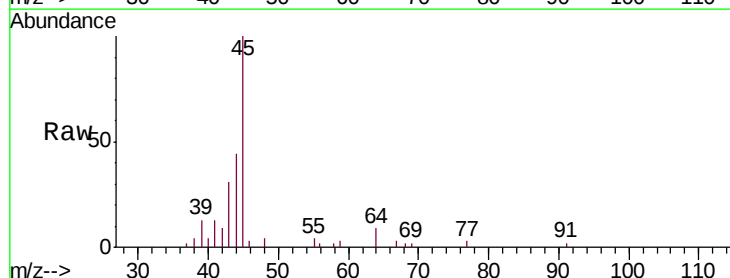
Acq: 01 Mar 2019 16:15

Tgt Ion: 43 Resp: 1098

Ion Ratio Lower Upper

43 100

74 0.0 20.6 30.8#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0

2000

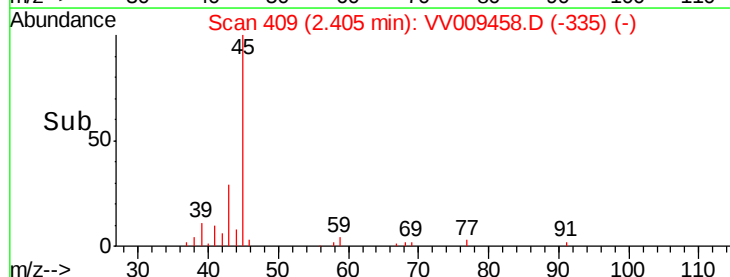
1500

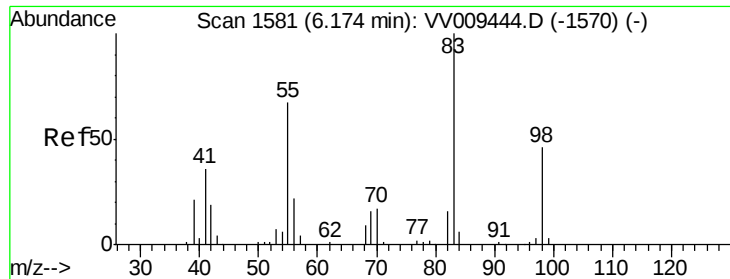
1000

500

0

Time-->





#35

Methylcyclohexane

Concen: 0.659 ug/L

RT: 6.12 min Scan# 1564

Delta R.T. -0.05 min

Lab File: VV009458.D

Acq: 01 Mar 2019 16:15

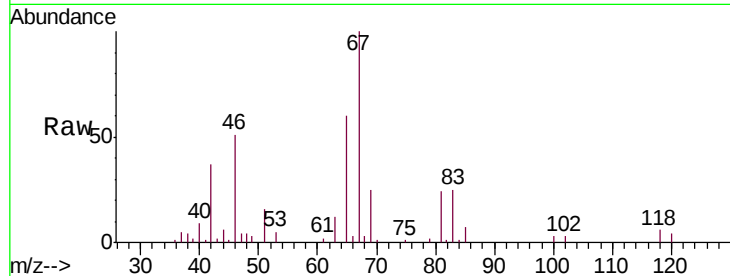
Tgt Ion: 83 Resp: 7096

Ion Ratio Lower Upper

83 100

55 0.0 59.8 89.8#

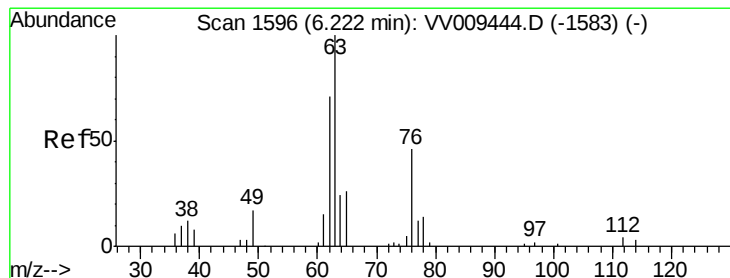
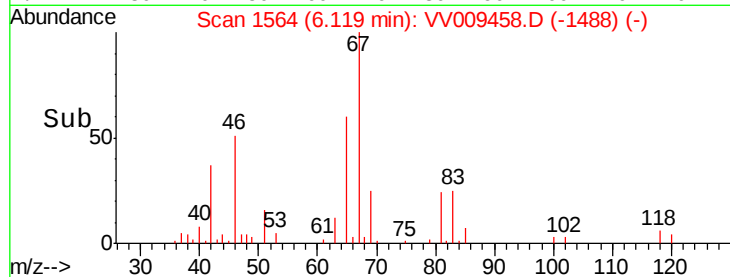
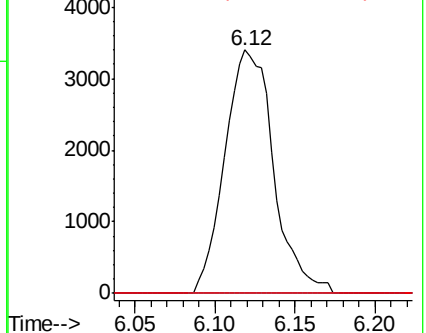
98 0.0 39.9 59.9#



Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0



#37

1,2-Dichloropropane

Concen: 0.572 ug/L

RT: 6.12 min Scan# 1564

Delta R.T. -0.10 min

Lab File: VV009458.D

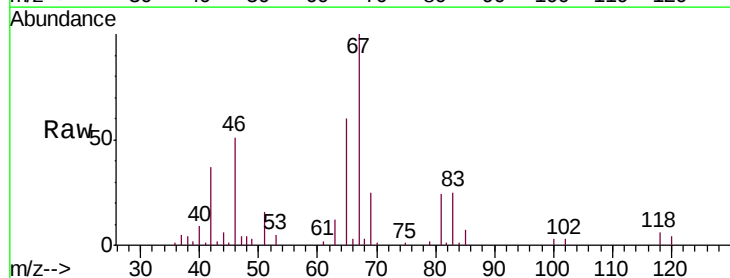
Acq: 01 Mar 2019 16:15

Tgt Ion: 63 Resp: 3252

Ion Ratio Lower Upper

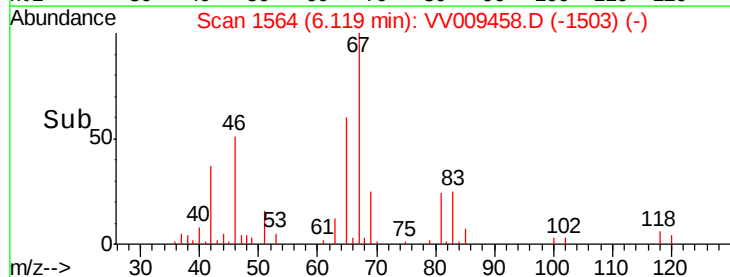
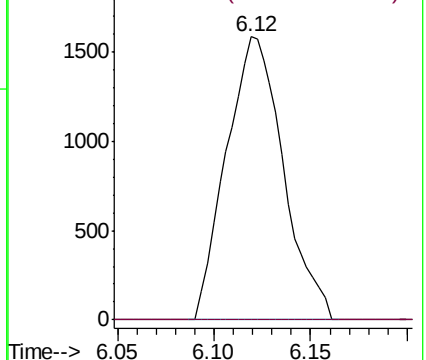
63 100

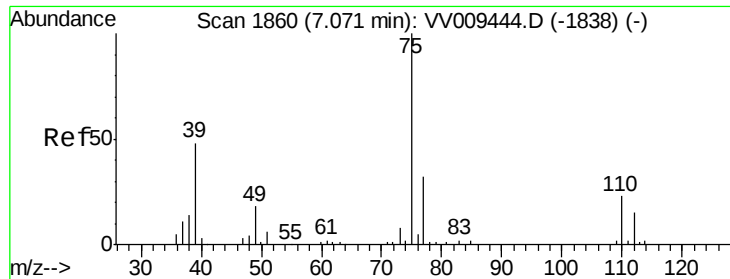
112 0.0 3.1 4.7#



Abundance Ion 63.10 (62.80 to 63.80): VV0

Ion 112.10 (111.80 to 112.80): V





#39

cis-1,3-Dichloropropene

Concen: 0.111 ug/L

RT: 7.03 min Scan# 1848

Delta R.T. -0.04 min

Lab File: VV009458.D

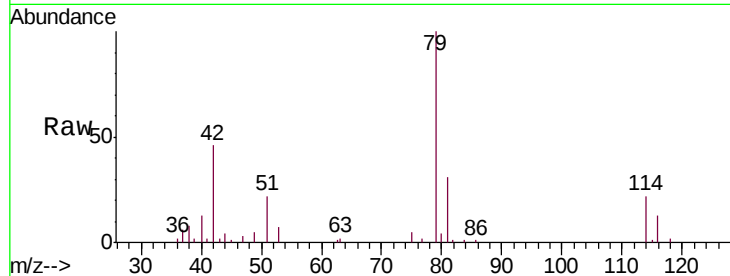
Acq: 01 Mar 2019 16:15

Tgt Ion: 75 Resp: 996

Ion Ratio Lower Upper

75 100

77 48.2 21.1 39.1#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

600

500

400

300

200

100

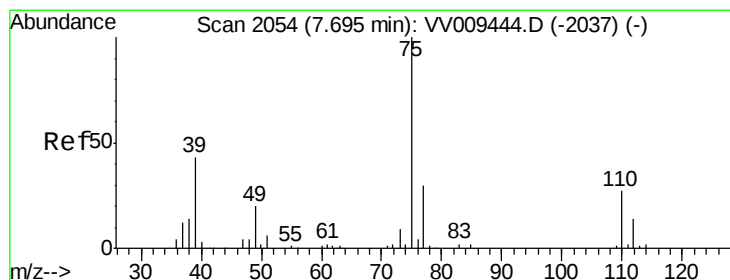
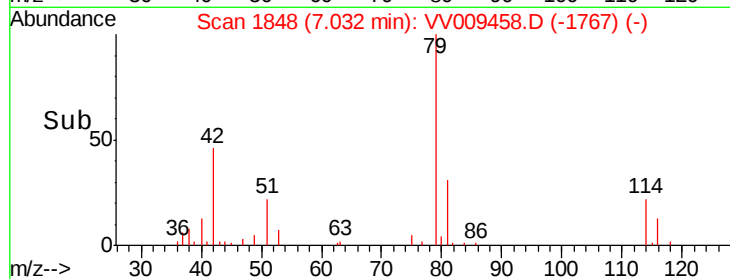
0

7.00

7.03

7.05

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.094 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.03 min

Lab File: VV009458.D

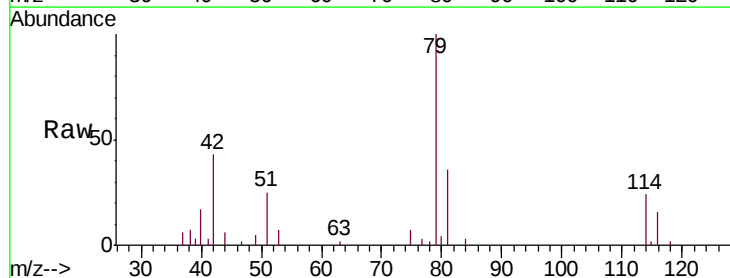
Acq: 01 Mar 2019 16:15

Tgt Ion: 75 Resp: 657

Ion Ratio Lower Upper

75 100

77 33.9 22.2 41.2



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

500

400

300

200

100

0

7.64

7.66

7.67

7.68

7.70

Time-->

