

Data File : VV009391.D  
Acq On : 27 Feb 2019 11:54  
Operator : SY/MD  
Sample : VV0227SBL01  
Misc : 5.00G/10ML/MSVOA\_V/SOIL  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
VBLK64

Quant Time: Feb 28 04:35:28 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOM2VLM022619S.M  
Quant Title : VOC Analysis  
QLast Update : Thu Feb 28 04:32:57 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 191275   | 25.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 175414   | 25.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 80078    | 25.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 54267    | 22.55    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 90.20% |
| 7) Chloroethane-d5             | 1.58   | 69    | 77187    | 24.67    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 150 | Recovery | =    | 98.68% |
| 10) 1,1-Dichloroethene-d2      | 2.13   | 63    | 110489   | 17.36    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 110 | Recovery | =    | 69.44% |
| 20) 2-Butanone-d5              | 3.95   | 46    | 30759    | 42.43    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 84.86% |
| 24) Chloroform-d               | 4.41   | 84    | 106319   | 22.92    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 40 - 150 | Recovery | =    | 91.68% |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 60873    | 23.72    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 130 | Recovery | =    | 94.88% |
| 29) Benzene-d6                 | 5.10   | 84    | 221425   | 23.75    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 20 - 135 | Recovery | =    | 95.00% |
| 33) 1,2-Dichloropropane-d6     | 6.12   | 67    | 66885    | 24.48    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 70 - 120 | Recovery | =    | 97.92% |
| 37) Toluene-d8                 | 7.36   | 98    | 216449   | 24.20    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 130 | Recovery | =    | 96.80% |
| 38) trans-1,3-Dichloropropene- | 7.67   | 79    | 31199    | 22.84    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 30 - 135 | Recovery | =    | 91.36% |
| 39) 2-Hexanone-d5              | 8.14   | 63    | 26421    | 45.68    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 20 - 135 | Recovery | =    | 91.36% |
| 48) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 62240    | 23.32    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 45 - 120 | Recovery | =    | 93.28% |
| 61) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 72557    | 24.46    | ug/L | 0.00   |
| Spiked Amount                  | 25.000 | Range | 75 - 120 | Recovery | =    | 97.84% |

#### Target Compounds

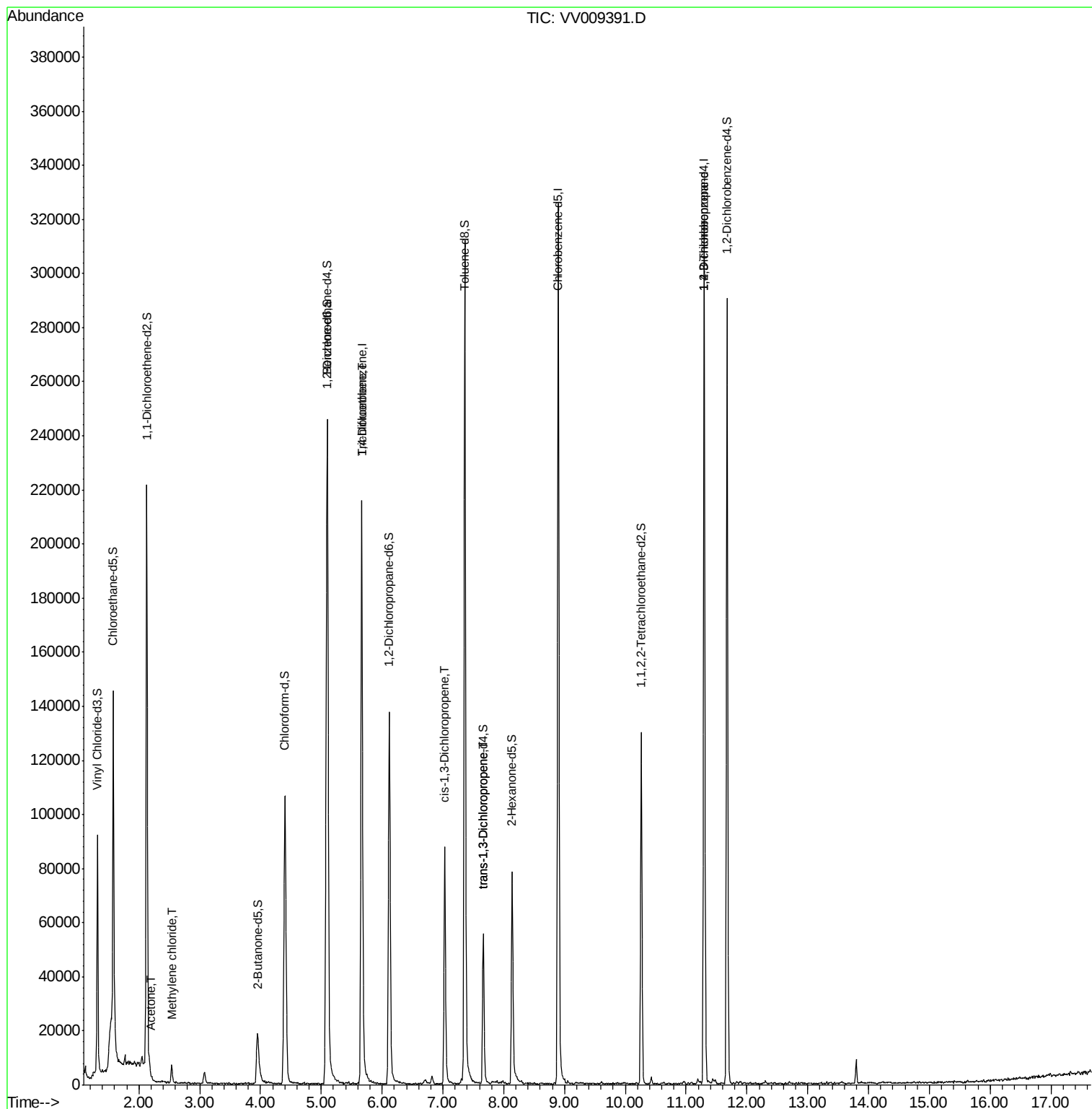
|                               |       |    |       |              | Qvalue |
|-------------------------------|-------|----|-------|--------------|--------|
| 13) Acetone                   | 2.21  | 43 | 887   | 1.070 ug/L   | 61     |
| 16) Methylene chloride        | 2.54  | 84 | 2905  | 1.121 ug/L   | 96     |
| 35) Trichloroethene           | 5.67  | 95 | 4481  | 1.655 ug/L # | 6      |
| 42) cis-1,3-Dichloropropene   | 7.03  | 75 | 2766  | 0.716 ug/L # | 78     |
| 45) trans-1,3-Dichloropropene | 7.67  | 75 | 1644  | 0.470 ug/L   | 89     |
| 59) 1,2,3-Trichloropropane    | 11.30 | 75 | 11808 | 6.075 ug/L   | 91     |

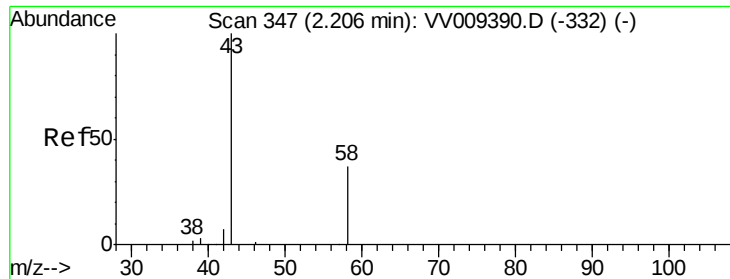
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 1.070 ug/L

RT: 2.21 min Scan# 347

Delta R.T. 0.00 min

Lab File: VV009391.D

Acq: 27 Feb 2019 11:54

Instrument :

MSVOA\_V

ClientSampleId :

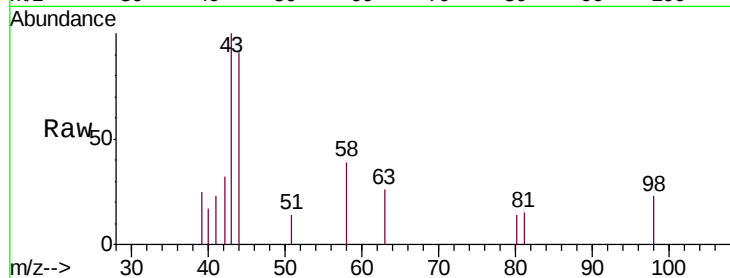
VBLK64

Tgt Ion: 43 Resp: 887

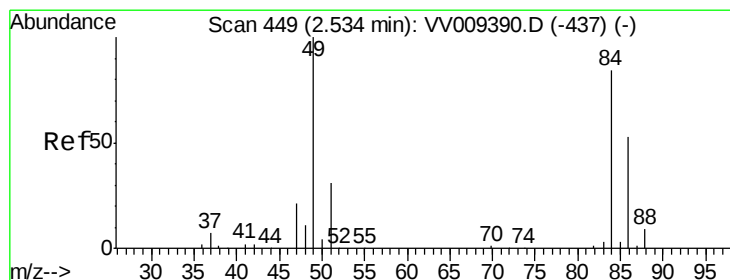
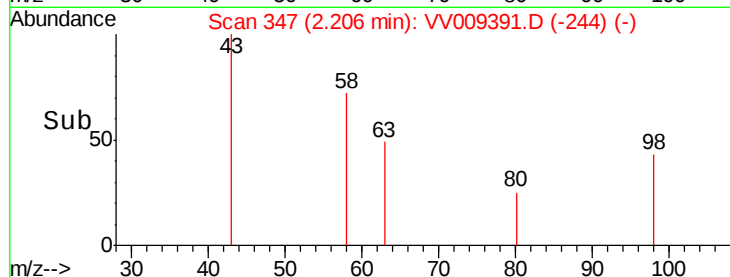
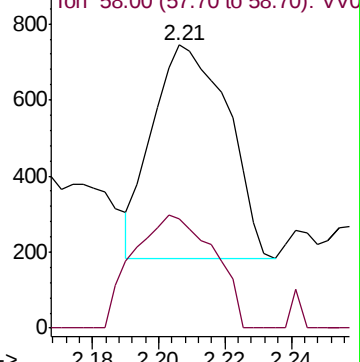
Ion Ratio Lower Upper

43 100

58 56.7 0.0 68.8



Abundance Ion 43.00 (42.70 to 43.70): VV009391.D (-244) (-)



#16

Methylene chloride

Concen: 1.121 ug/L

RT: 2.54 min Scan# 451

Delta R.T. 0.01 min

Lab File: VV009391.D

Acq: 27 Feb 2019 11:54

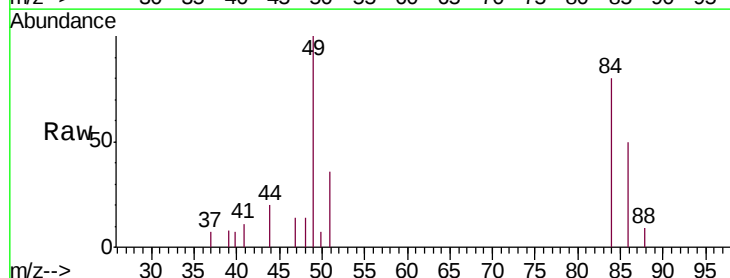
Tgt Ion: 84 Resp: 2905

Ion Ratio Lower Upper

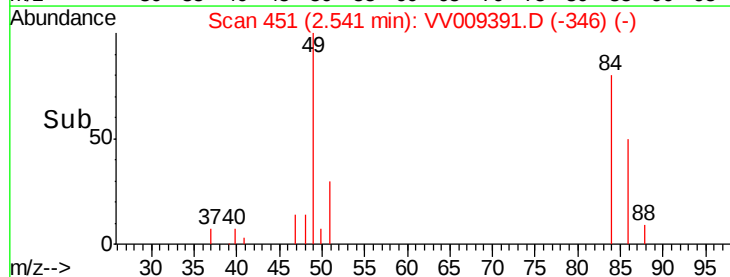
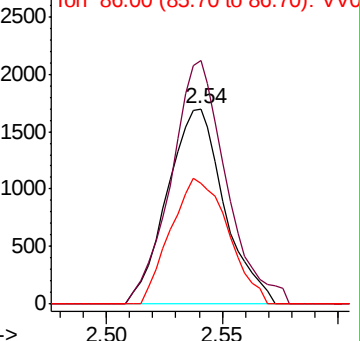
84 100

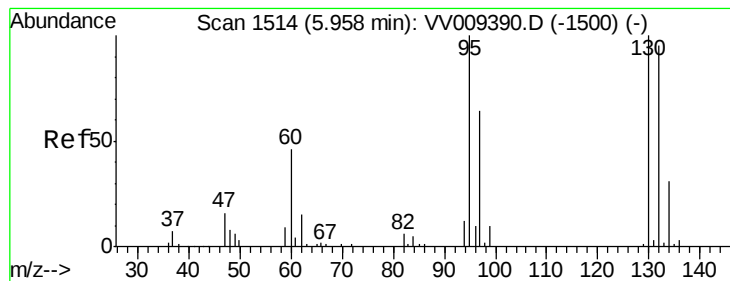
49 124.9 84.6 157.0

86 61.9 46.1 85.7



Abundance Ion 84.00 (83.70 to 84.70): VV009391.D (-346) (-)





#35

Trichloroethene

Concen: 1.655 ug/L

RT: 5.67 min Scan# 1423

Delta R.T. -0.29 min

Lab File: VV009391.D

Acq: 27 Feb 2019 11:54

Instrument :

MSVOA\_V

ClientSampleId :

VBLK64

Tgt Ion: 95 Resp: 4481

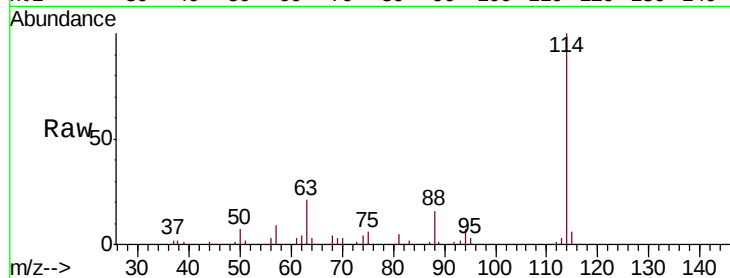
Ion Ratio Lower Upper

95 100

97 0.0 44.3 82.3#

132 0.0 64.4 119.6#

130 0.0 69.4 128.8#

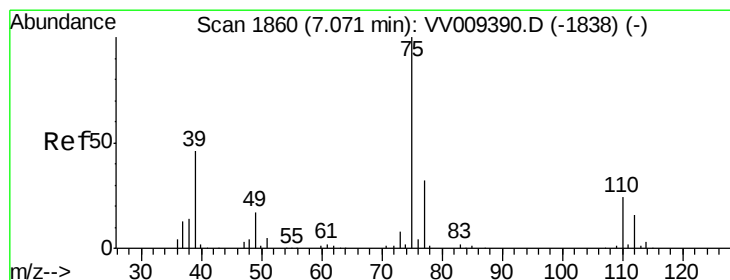
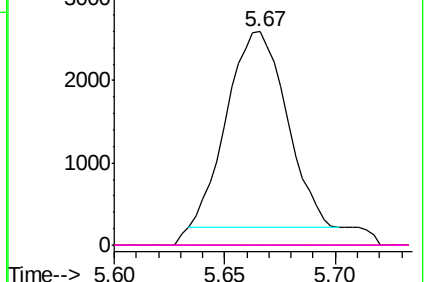
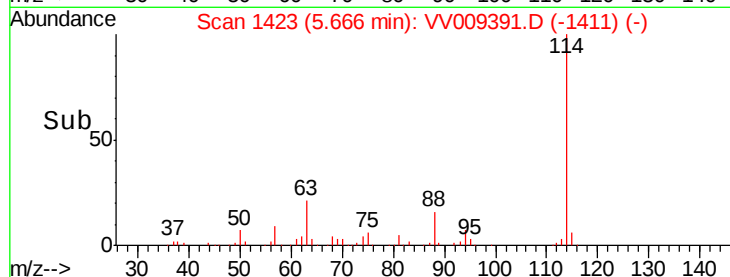


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 97.00 (96.70 to 97.70): VV0

Ion 132.00 (131.70 to 132.70): V

Ion 130.00 (129.70 to 130.70): V



#42

cis-1,3-Dichloropropene

Concen: 0.716 ug/L

RT: 7.03 min Scan# 1847

Delta R.T. -0.04 min

Lab File: VV009391.D

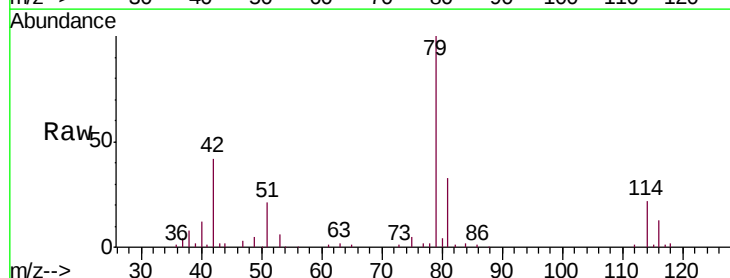
Acq: 27 Feb 2019 11:54

Tgt Ion: 75 Resp: 2766

Ion Ratio Lower Upper

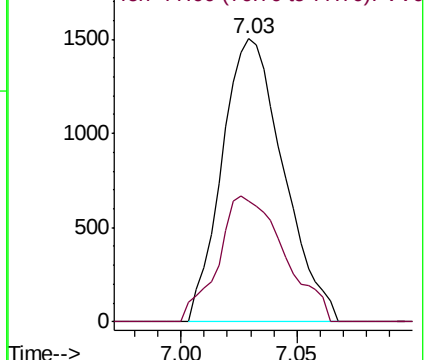
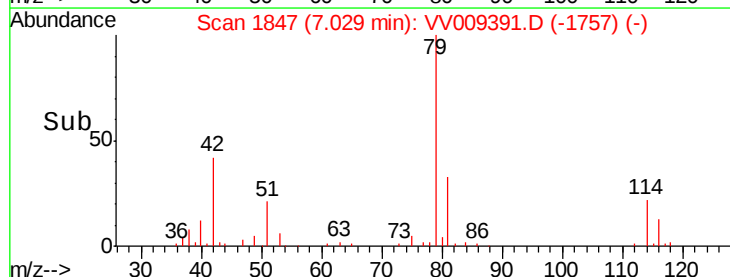
75 100

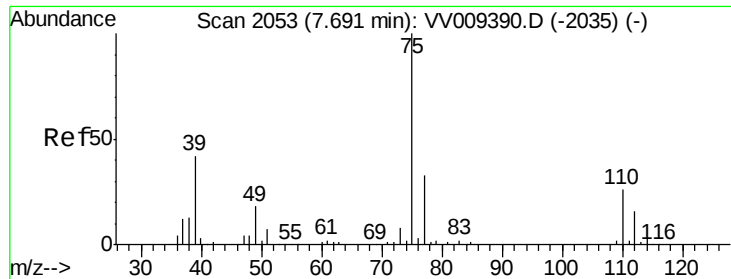
77 42.7 21.4 39.8#



Abundance Ion 75.00 (74.70 to 75.70): VV0

Ion 77.00 (76.70 to 77.70): VV0





#45

trans-1,3-Dichloropropene

Concen: 0.470 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.03 min

Lab File: VV009391.D

Acq: 27 Feb 2019 11:54

Instrument :

MSVOA\_V

ClientSampled :

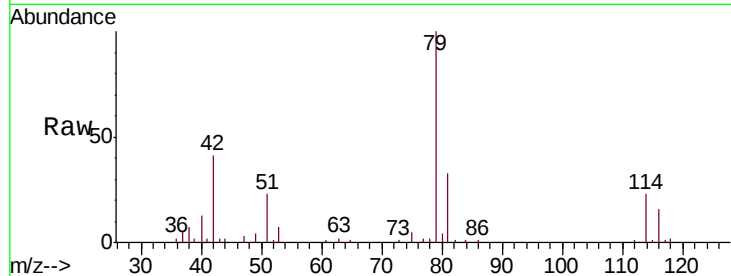
VBLK64

Tgt Ion: 75 Resp: 1644

Ion Ratio Lower Upper

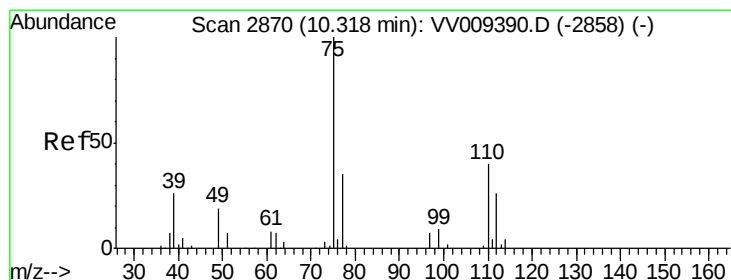
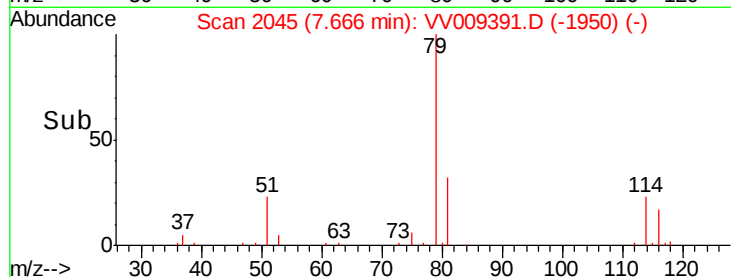
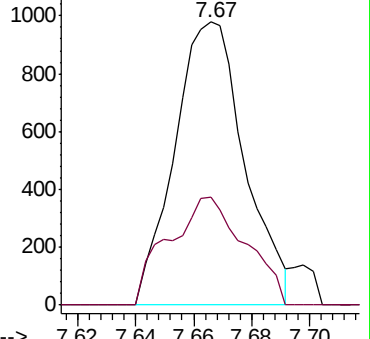
75 100

77 38.0 22.5 41.7



Abundance Ion 75.00 (74.70 to 75.70): VV009391.D (-1950) (-)

Ion 77.00 (76.70 to 77.70): VV009391.D (-1950) (-)



#59

1,2,3-Trichloropropane

Concen: 6.075 ug/L

RT: 11.30 min Scan# 3175

Delta R.T. 0.98 min

Lab File: VV009391.D

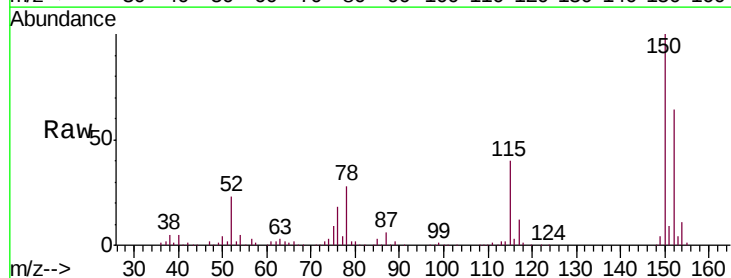
Acq: 27 Feb 2019 11:54

Tgt Ion: 75 Resp: 11808

Ion Ratio Lower Upper

75 100

77 37.4 25.9 38.9



Abundance Ion 75.00 (74.70 to 75.70): VV009391.D (-2248) (-)

Ion 77.00 (76.70 to 77.70): VV009391.D (-2248) (-)

