

Data File : VV009441.D  
Acq On : 28 Feb 2019 22:57  
Operator : SY/MD  
Sample : K1599-20  
Misc : 25ML/MSVOA\_V/WATER  
ALS Vial : 30 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
CWK12

Quant Time: Mar 01 03:56:58 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR022819WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Fri Mar 01 03:49:54 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 91588    | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 88750    | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 40414    | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 22992    | 4.81     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 96.20%  |
| 7) Chloroethane-d5             | 1.58   | 69    | 21530    | 4.98     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 99.60%  |
| 11) 1,1-Dichloroethene-d2      | 2.13   | 63    | 44363    | 3.67     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 73.40%  |
| 20) 2-Butanone-d5              | 3.96   | 46    | 50716    | 55.91    | ug/L | -0.03   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 111.82% |
| 24) Chloroform-d               | 4.40   | 84    | 47132    | 5.03     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 100.60% |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 24661    | 5.34     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 106.80% |
| 32) Benzene-d6                 | 5.10   | 84    | 97625    | 5.17     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 103.40% |
| 36) 1,2-Dichloropropane-d6     | 6.12   | 67    | 29061    | 5.07     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 101.40% |
| 41) Toluene-d8                 | 7.36   | 98    | 99253    | 5.15     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 103.00% |
| 43) trans-1,3-Dichloropropene- | 7.67   | 79    | 11606    | 4.57     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 91.40%  |
| 46) 2-Hexanone-d5              | 8.14   | 63    | 44730    | 54.29    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 108.58% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 23416    | 5.25     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 105.00% |
| 64) 1,2-Dichlorobenzene-d4     | 11.68  | 152   | 34848    | 5.36     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 107.20% |

#### Target Compounds

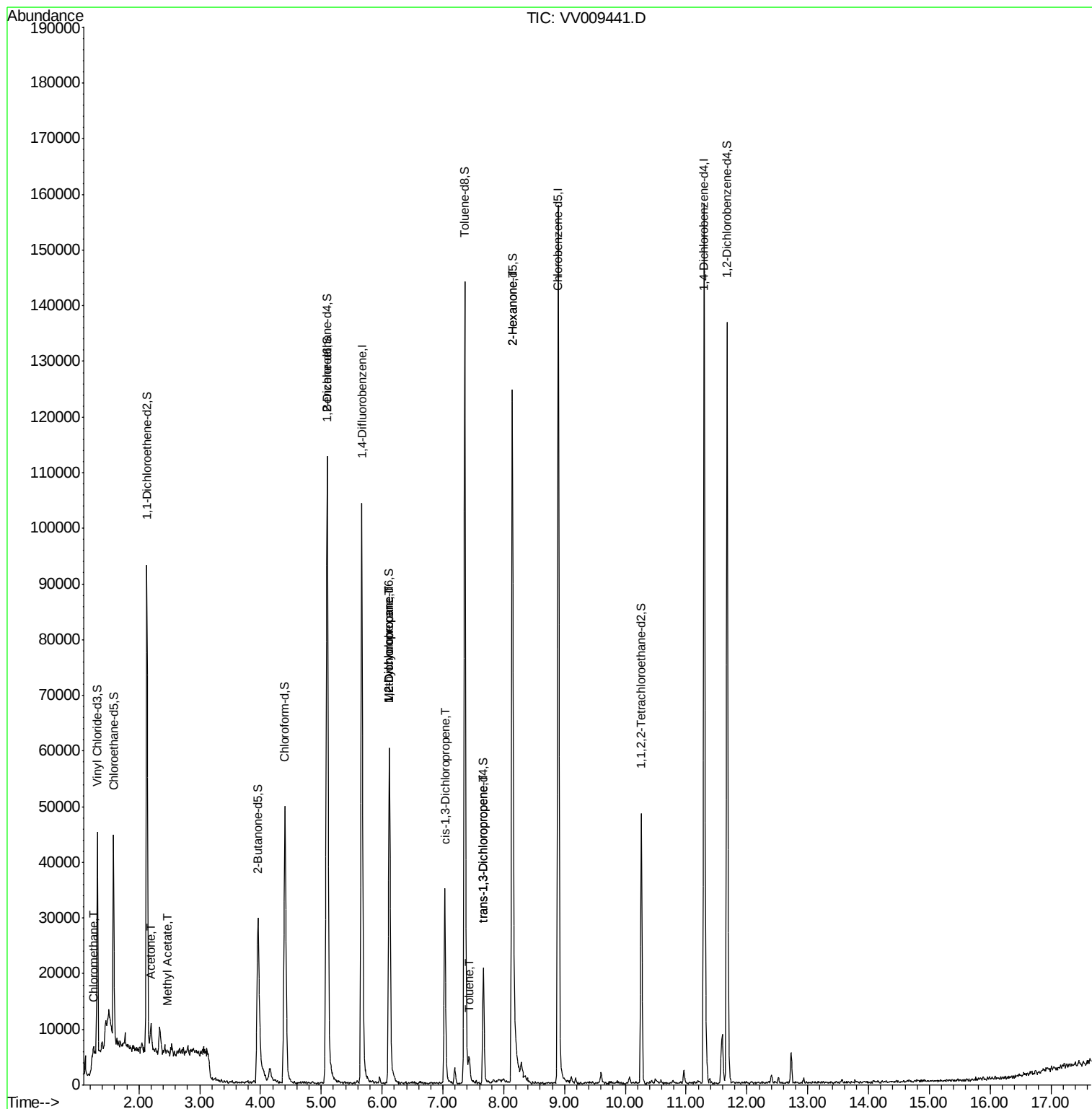
|                               |      |    |      |       |        | Qvalue |
|-------------------------------|------|----|------|-------|--------|--------|
| 3) Chloromethane              | 1.25 | 50 | 607  | 0.102 | ug/L   | 90     |
| 13) Acetone                   | 2.20 | 43 | 4410 | 5.117 | ug/L   | 97     |
| 15) Methyl Acetate            | 2.47 | 43 | 294  | 0.131 | ug/L # | 49     |
| 35) Methylcyclohexane         | 6.12 | 83 | 7114 | 0.665 | ug/L # | 19     |
| 37) 1,2-Dichloropropane       | 6.13 | 63 | 3518 | 0.623 | ug/L # | 88     |
| 39) cis-1,3-Dichloropropene   | 7.03 | 75 | 1054 | 0.118 | ug/L # | 80     |
| 42) Toluene                   | 7.43 | 91 | 2842 | 0.108 | ug/L   | 99     |
| 44) trans-1,3-Dichloropropene | 7.67 | 75 | 600  | 0.086 | ug/L   | 99     |
| 48) 2-Hexanone                | 8.14 | 43 | 5693 | 2.809 | ug/L # | 87     |

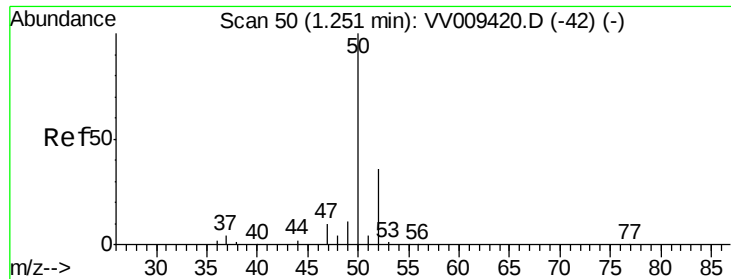
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Mar 01 03:49:54 2019  
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.102 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV009441.D

Acq: 28 Feb 2019 22:57

Instrument :

MSVOA\_V

ClientSampleId :

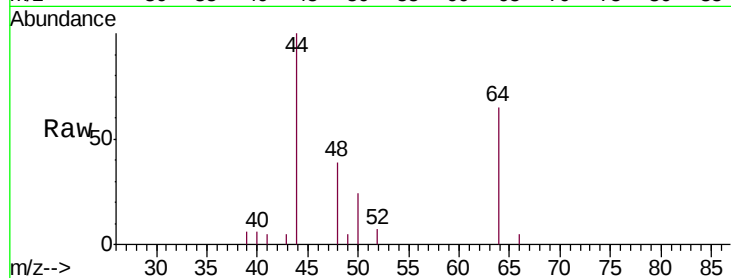
CWK12

Tgt Ion: 50 Resp: 607

Ion Ratio Lower Upper

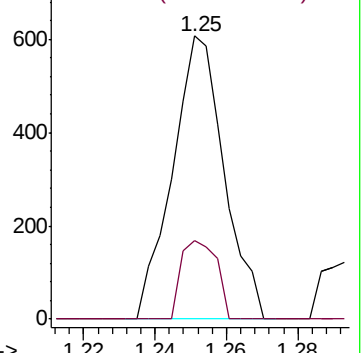
50 100

52 27.8 23.5 43.7

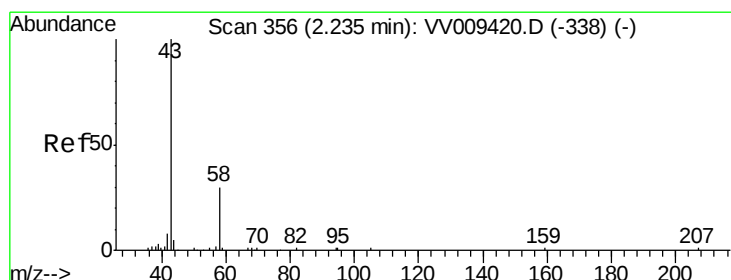
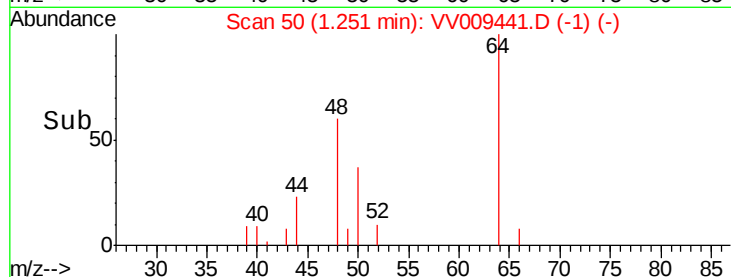


Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0



Time-->



#13

Acetone

Concen: 5.117 ug/L

RT: 2.20 min Scan# 345

Delta R.T. -0.04 min

Lab File: VV009441.D

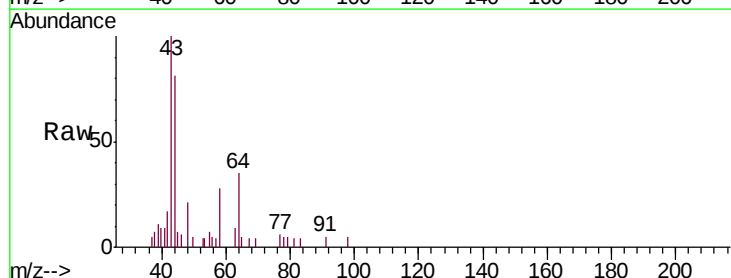
Acq: 28 Feb 2019 22:57

Tgt Ion: 43 Resp: 4410

Ion Ratio Lower Upper

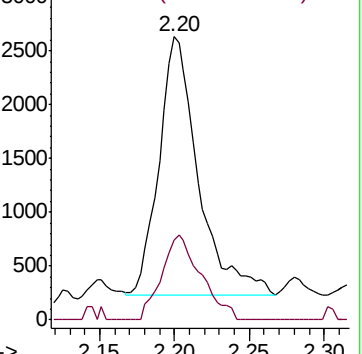
43 100

58 32.4 0.0 62.0

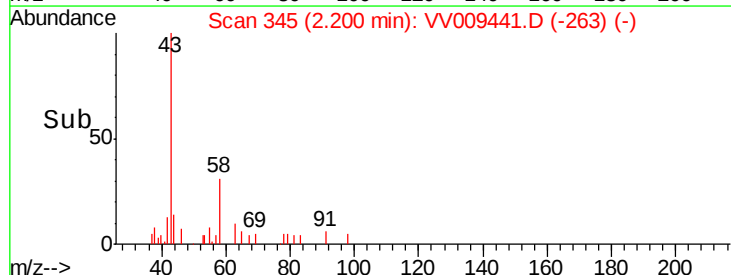


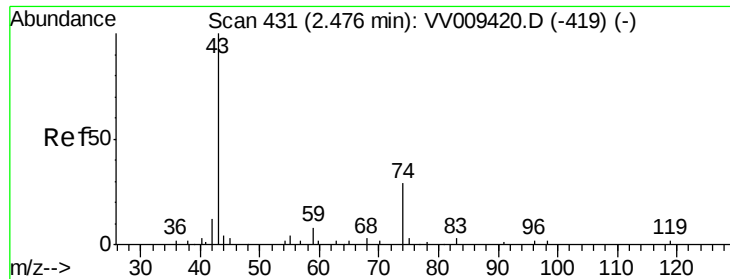
Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0



Time-->





#15

Methyl Acetate

Concen: 0.131 ug/L

RT: 2.47 min Scan# 428

Delta R.T. -0.01 min

Lab File: VV009441.D

Acq: 28 Feb 2019 22:57

Instrument :

MSVOA\_V

ClientSampled :

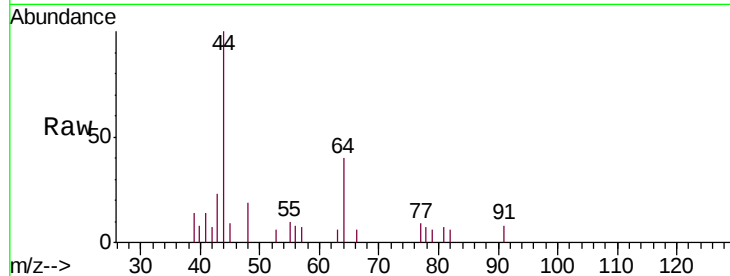
CWK12

Tgt Ion: 43 Resp: 294

Ion Ratio Lower Upper

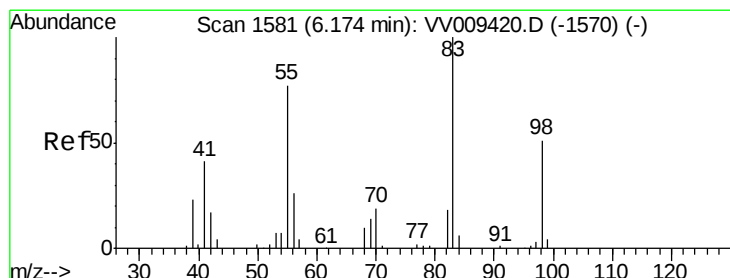
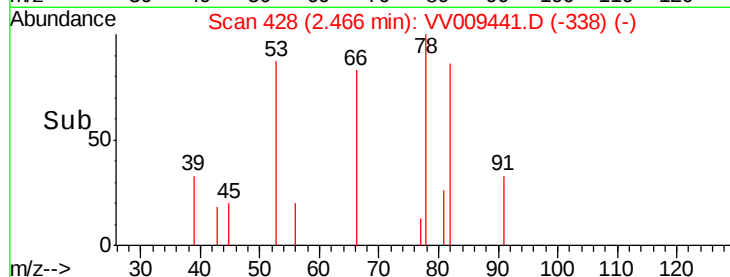
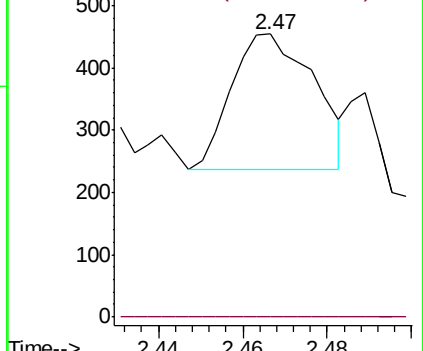
43 100

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



#35

Methylcyclohexane

Concen: 0.665 ug/L

RT: 6.12 min Scan# 1565

Delta R.T. -0.05 min

Lab File: VV009441.D

Acq: 28 Feb 2019 22:57

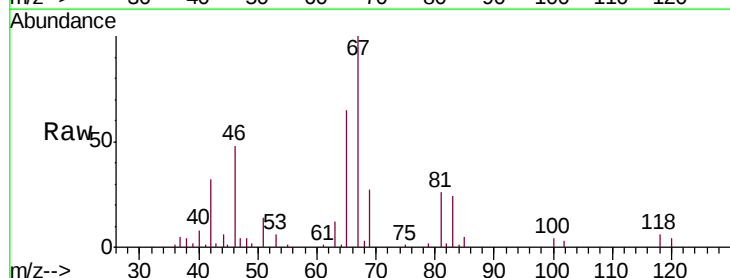
Tgt Ion: 83 Resp: 7114

Ion Ratio Lower Upper

83 100

55 0.7 59.8 89.8#

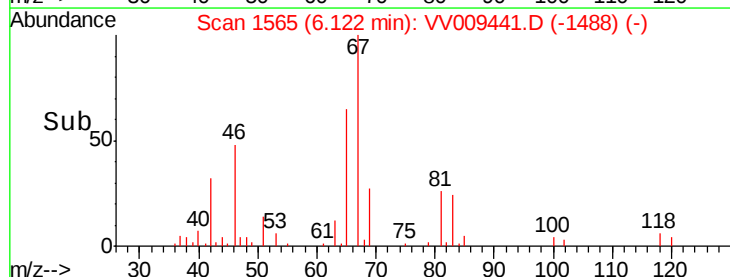
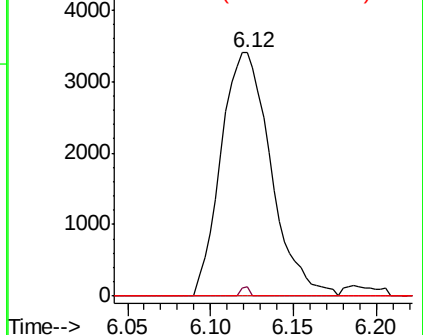
98 0.0 39.9 59.9#

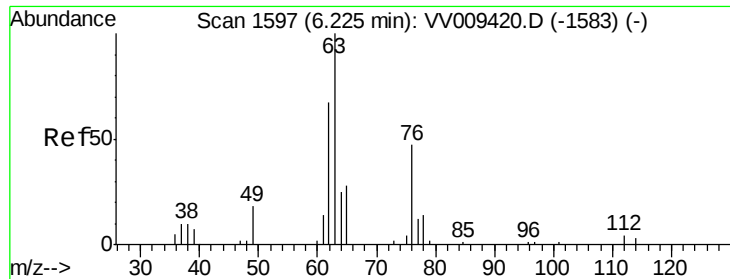


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

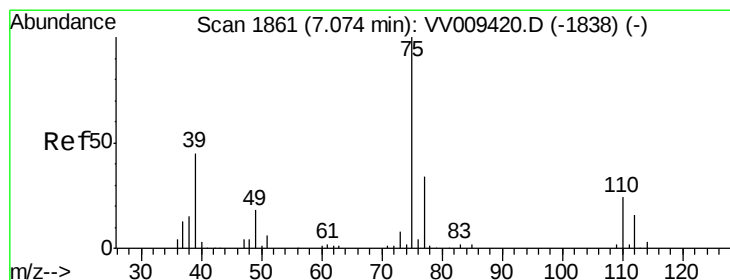
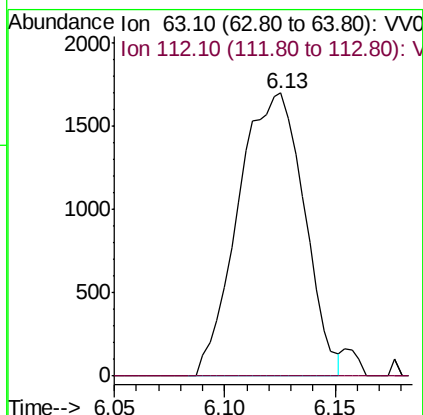
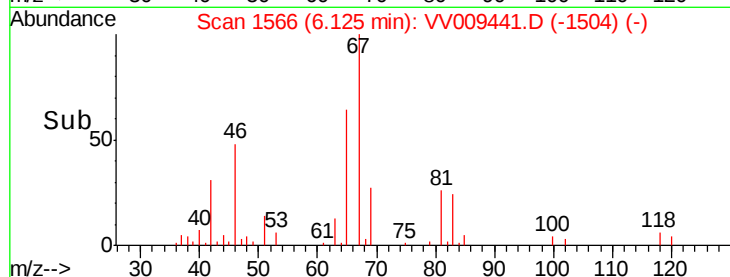
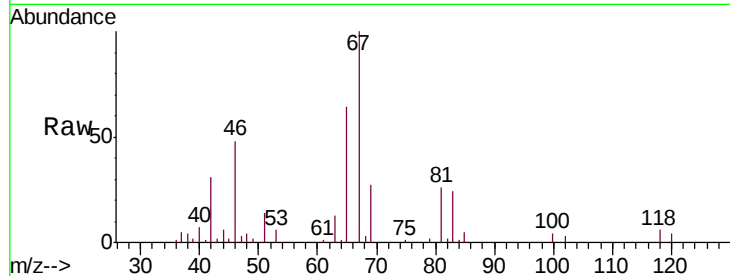




#37  
 1,2-Dichloropropane  
 Concen: 0.623 ug/L  
 RT: 6.13 min Scan# 1566  
 Delta R.T. -0.10 min  
 Lab File: VV009441.D  
 Acq: 28 Feb 2019 22:57

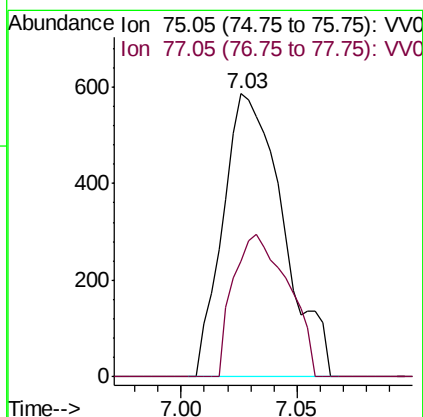
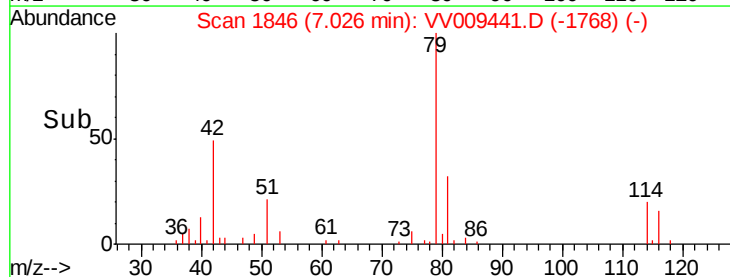
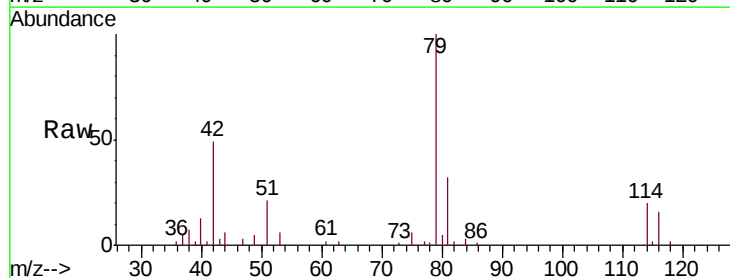
Instrument :  
 MSVOA\_V  
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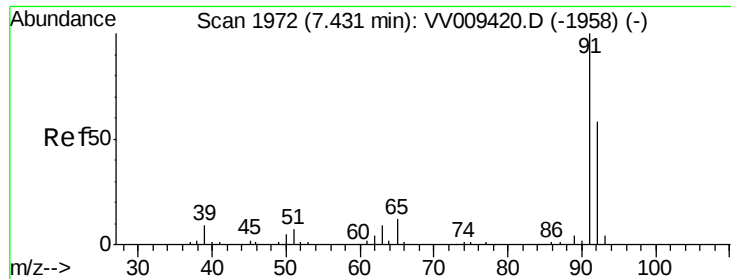
Tgt Ion: 63 Resp: 3518  
 Ion Ratio Lower Upper  
 63 100  
 112 0.0 3.1 4.7#



#39  
 cis-1,3-Dichloropropene  
 Concen: 0.118 ug/L  
 RT: 7.03 min Scan# 1846  
 Delta R.T. -0.05 min  
 Lab File: VV009441.D  
 Acq: 28 Feb 2019 22:57

Tgt Ion: 75 Resp: 1054  
 Ion Ratio Lower Upper  
 75 100  
 77 41.0 21.1 39.1#





#42

Toluene

Concen: 0.108 ug/L

RT: 7.43 min Scan# 1973

Delta R.T. 0.00 min

Lab File: VV009441.D

Acq: 28 Feb 2019 22:57

Instrument :

MSVOA\_V

ClientSampled :

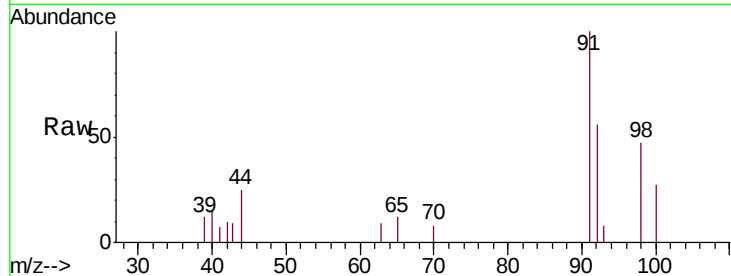
CWK12

Tgt Ion: 91 Resp: 2842

Ion Ratio Lower Upper

91 100

92 55.7 39.8 73.8



Abundance Ion 91.15 (90.85 to 91.85): VV009420.D (-1958) (-)

Ion 92.15 (91.85 to 92.85): VV009420.D (-1958) (-)

7.43

1500

1000

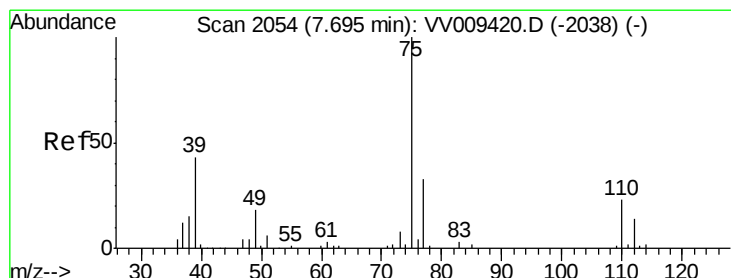
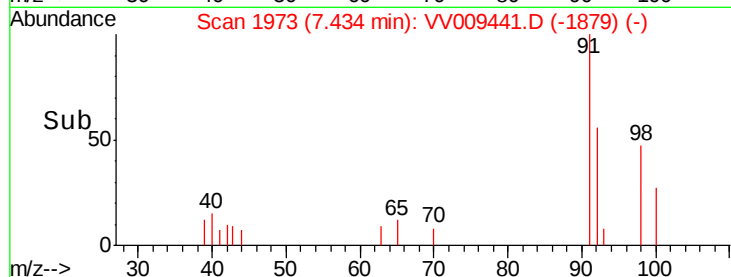
500

0

7.40

7.45

Time-->



#44

trans-1,3-Dichloropropene

Concen: 0.086 ug/L

RT: 7.67 min Scan# 2045

Delta R.T. -0.03 min

Lab File: VV009441.D

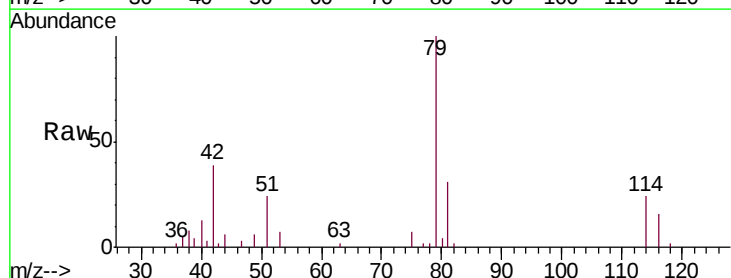
Acq: 28 Feb 2019 22:57

Tgt Ion: 75 Resp: 600

Ion Ratio Lower Upper

75 100

77 32.4 22.2 41.2



Abundance Ion 75.05 (74.75 to 75.75): VV009420.D (-2038) (-)

Ion 77.05 (76.75 to 77.75): VV009420.D (-2038) (-)

7.67

500

400

300

200

100

0

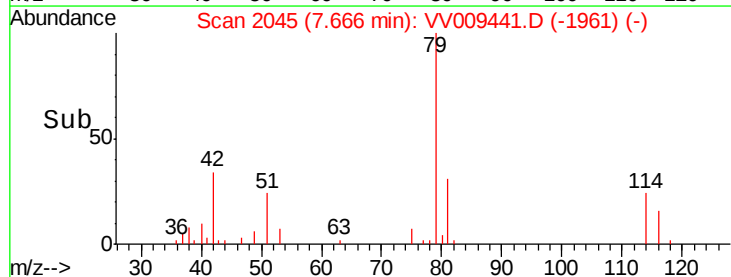
7.64

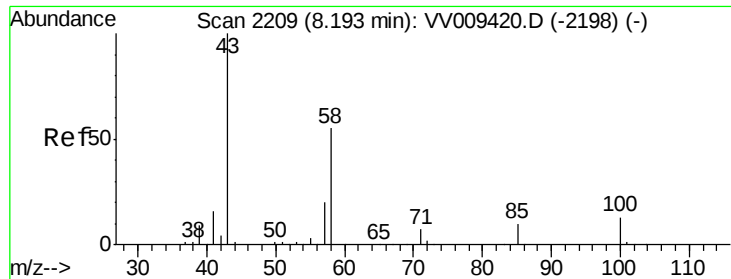
7.66

7.68

7.70

Time-->





#48

2-Hexanone

Concen: 2.809 ug/L

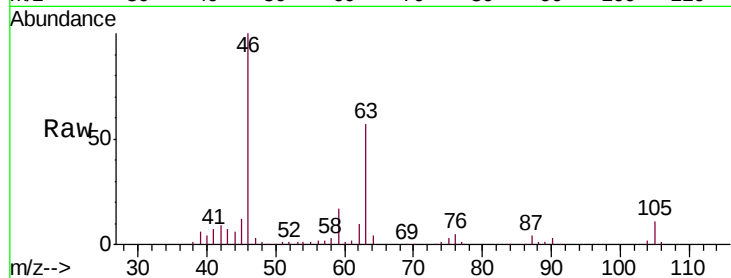
RT: 8.14 min Scan# 2193

Delta R.T. -0.05 min

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MSVOA\_V  
ClientSampleId :  
CWK12



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 5693  |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 52.0  | 45.2  | 67.8  |
| 57       | 28.7  | 16.0  | 24.0# |
| 100      | 0.0   | 10.2  | 15.4# |

