

Data File : VV009437.D  
Acq On : 28 Feb 2019 21:14  
Operator : SY/MD  
Sample : K1599-16  
Misc : 25ML/MSVOA\_V/WATER  
ALS Vial : 26 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
CWK02

Quant Time: Mar 01 03:56:17 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  | 112032   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 105865   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 50803    | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 24214    | 4.14     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 82.80% |
| 7) Chloroethane-d5             | 1.58   | 69    | 21340    | 4.04     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 80.80% |
| 11) 1,1-Dichloroethene-d2      | 2.13   | 63    | 45249    | 3.06     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 61.20% |
| 20) 2-Butanone-d5              | 3.96   | 46    | 51054    | 46.01    | ug/L | -0.03  |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 92.02% |
| 24) Chloroform-d               | 4.40   | 84    | 47712    | 4.16     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 83.20% |
| 26) 1,2-Dichloroethane-d4      | 5.09   | 65    | 25922    | 4.59     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 91.80% |
| 32) Benzene-d6                 | 5.10   | 84    | 99476    | 4.42     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 88.40% |
| 36) 1,2-Dichloropropane-d6     | 6.12   | 67    | 30938    | 4.52     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 90.40% |
| 41) Toluene-d8                 | 7.36   | 98    | 101327   | 4.41     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 88.20% |
| 43) trans-1,3-Dichloropropene- | 7.67   | 79    | 11940    | 3.94     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 78.80% |
| 46) 2-Hexanone-d5              | 8.14   | 63    | 47575    | 48.41    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 96.82% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 23461    | 4.41     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 88.20% |
| 64) 1,2-Dichlorobenzene-d4     | 11.68  | 152   | 36139    | 4.42     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 88.40% |

#### Target Compounds

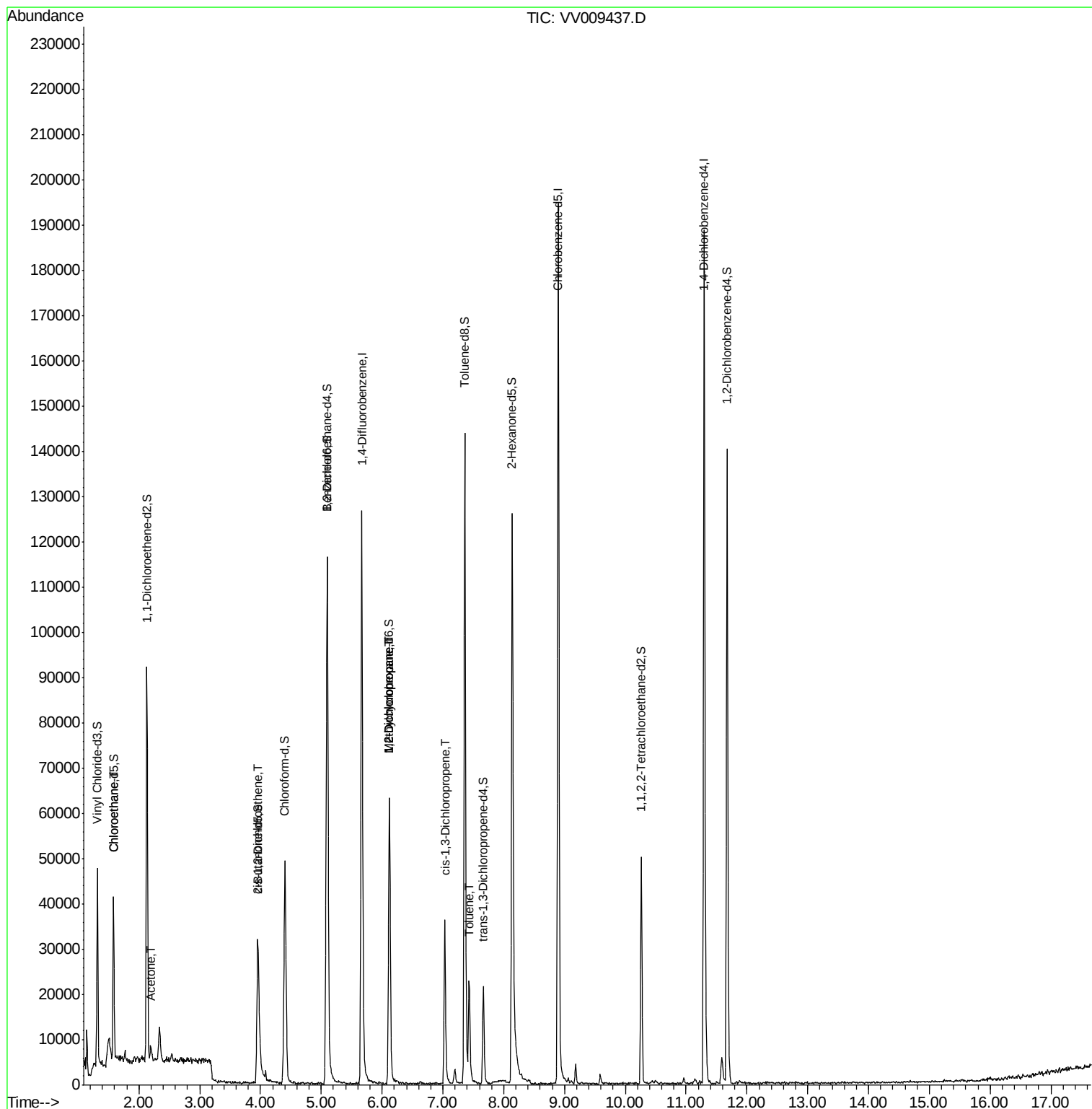
|                             |      |    |       |              | Qvalue |
|-----------------------------|------|----|-------|--------------|--------|
| 8) Chloroethane             | 1.59 | 64 | 447   | 0.084 ug/L # | 68     |
| 13) Acetone                 | 2.20 | 43 | 2707  | 2.568 ug/L   | 92     |
| 22) cis-1,2-Dichloroethene  | 3.95 | 96 | 583   | 0.079 ug/L # | 67     |
| 35) Methylcyclohexane       | 6.12 | 83 | 7331  | 0.575 ug/L # | 19     |
| 37) 1,2-Dichloropropane     | 6.12 | 63 | 3618  | 0.538 ug/L # | 88     |
| 39) cis-1,3-Dichloropropene | 7.03 | 75 | 885   | 0.083 ug/L # | 67     |
| 42) Toluene                 | 7.43 | 91 | 15126 | 0.483 ug/L   | 96     |

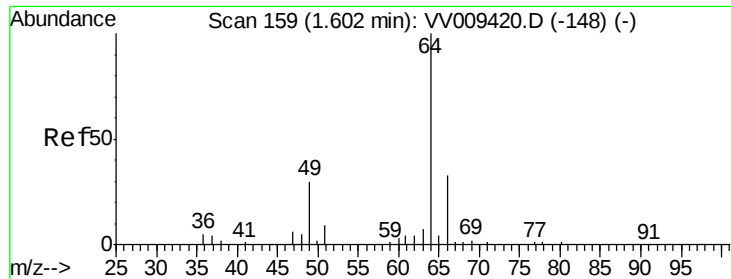
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#8

Chloroethane

Concen: 0.084 ug/L

RT: 1.59 min Scan# 156

Delta R.T. -0.01 min

Lab File: VV009437.D

Acq: 28 Feb 2019 21:14

Instrument :

MSVOA\_V

ClientSampled :

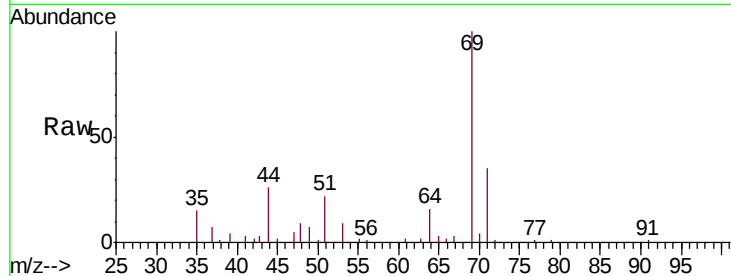
CWK02

Tgt Ion: 64 Resp: 447

Ion Ratio Lower Upper

64 100

66 12.7 21.3 39.5#



Abundance Ion 64.10 (63.80 to 64.80): VV0

Ion 66.05 (65.75 to 66.75): VV0

1.59

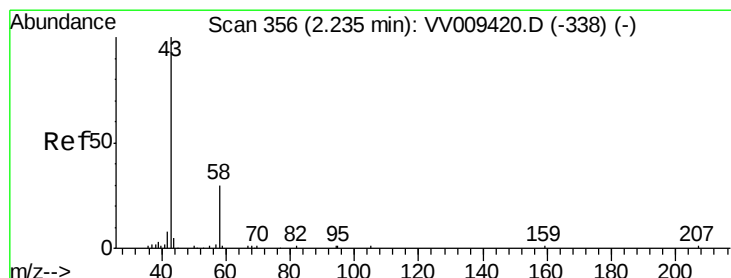
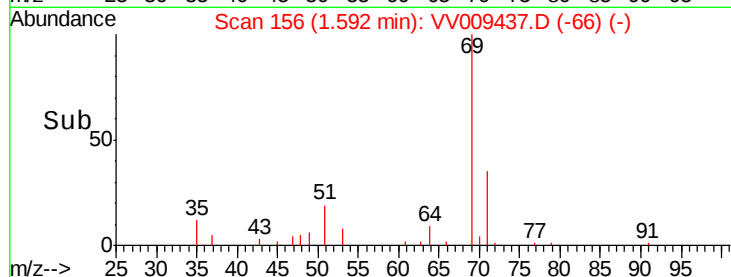
1500

1000

500

0

Time-->



#13

Acetone

Concen: 2.568 ug/L

RT: 2.20 min Scan# 345

Delta R.T. -0.04 min

Lab File: VV009437.D

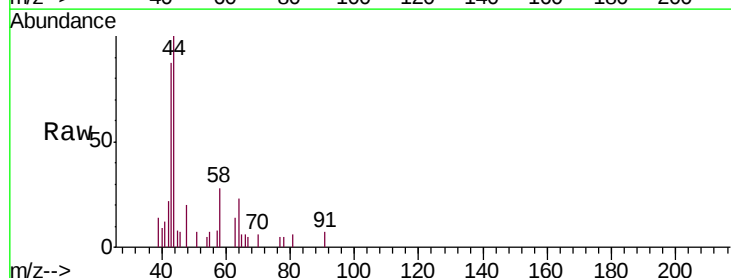
Acq: 28 Feb 2019 21:14

Tgt Ion: 43 Resp: 2707

Ion Ratio Lower Upper

43 100

58 35.4 0.0 62.0



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

2.20

2000

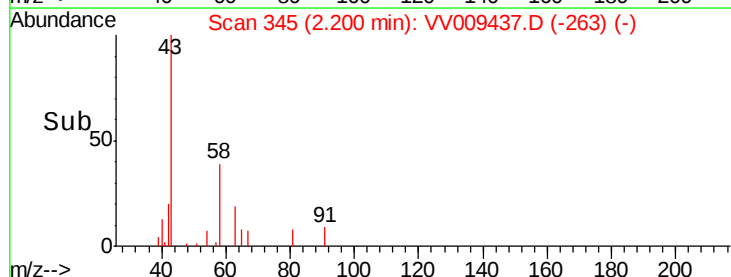
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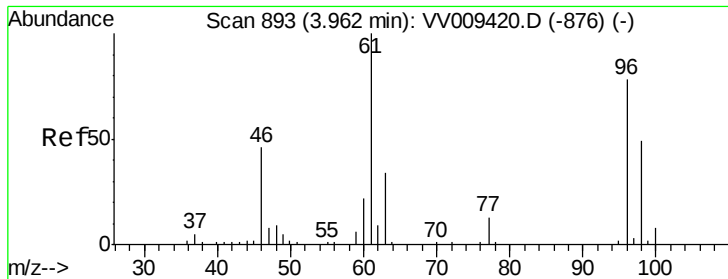
1000

500

0

Time-->



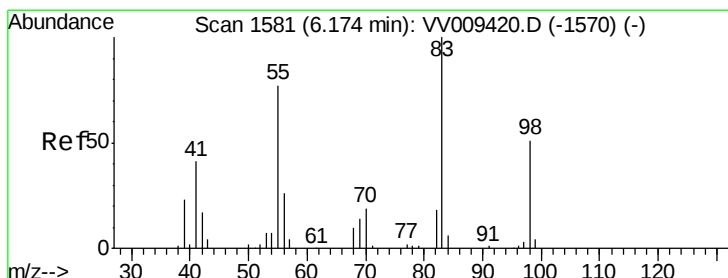
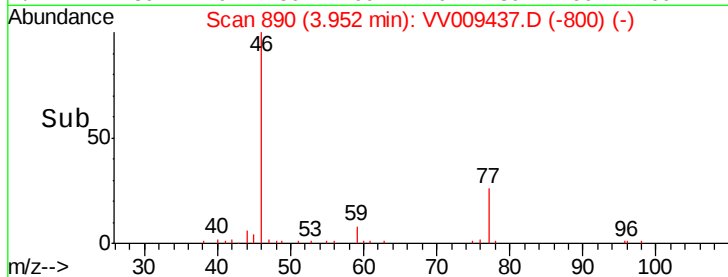
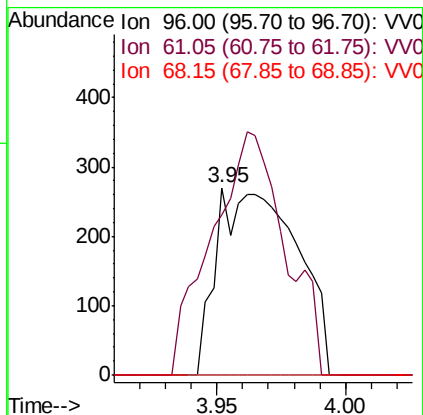
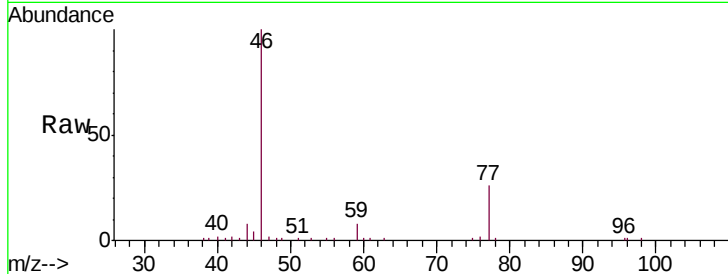


#22

cis-1,2-Dichloroethene  
 Concen: 0.079 ug/L  
 RT: 3.95 min Scan# 890  
 Delta R.T. -0.01 min  
 Lab File: VV009437.D  
 Acq: 28 Feb 2019 21:14

Instrument :  
 MSVOA\_V  
 ClientSampled :  
 CWK02

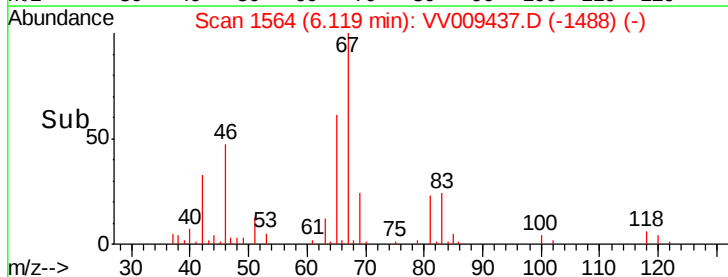
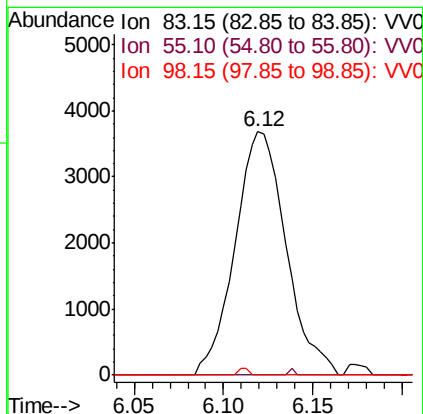
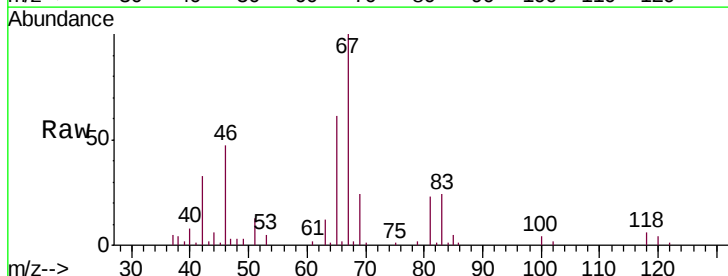
Tgt Ion: 96 Resp: 583  
 Ion Ratio Lower Upper  
 96 100  
 61 85.6 86.0 159.8#  
 68 0.0 0.0 0.0

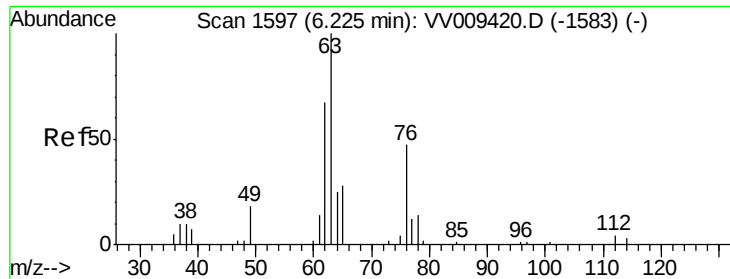


#35

Methylcyclohexane  
 Concen: 0.575 ug/L  
 RT: 6.12 min Scan# 1564  
 Delta R.T. -0.05 min  
 Lab File: VV009437.D  
 Acq: 28 Feb 2019 21:14

Tgt Ion: 83 Resp: 7331  
 Ion Ratio Lower Upper  
 83 100  
 55 0.3 59.8 89.8#  
 98 0.6 39.9 59.9#

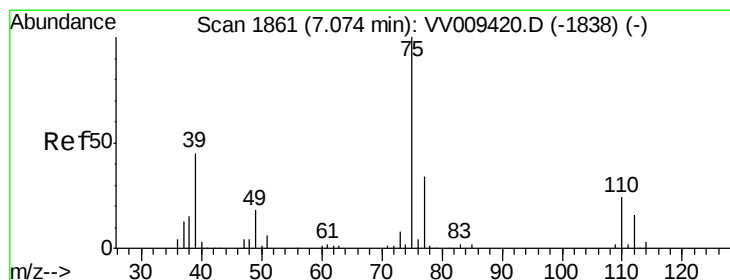
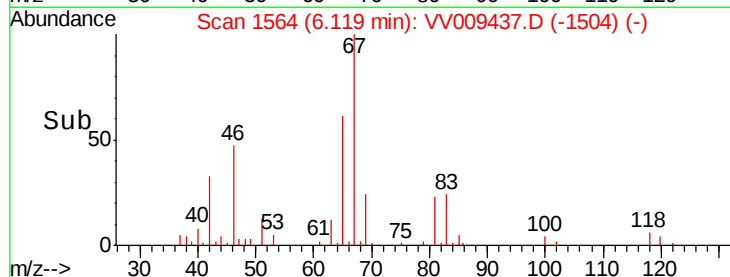
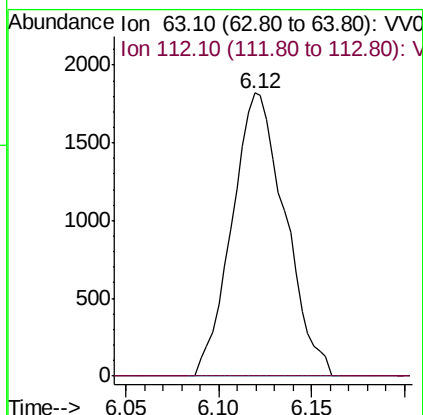
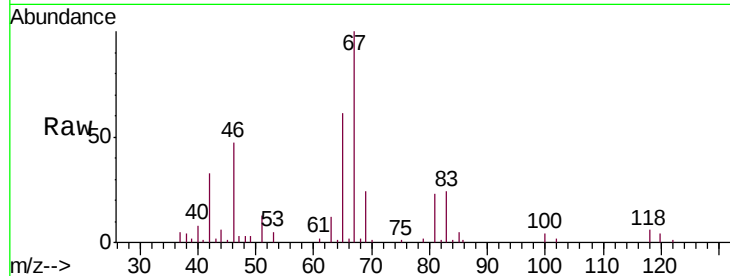




#37  
 1,2-Dichloropropane  
 Concen: 0.538 ug/L  
 RT: 6.12 min Scan# 1564  
 Delta R.T. -0.11 min  
 Lab File: VV009437.D  
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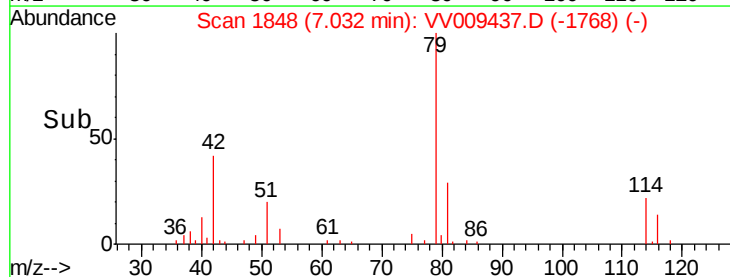
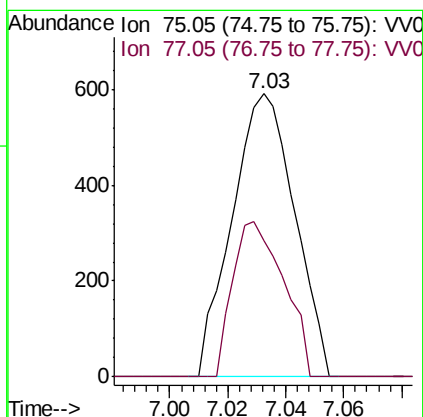
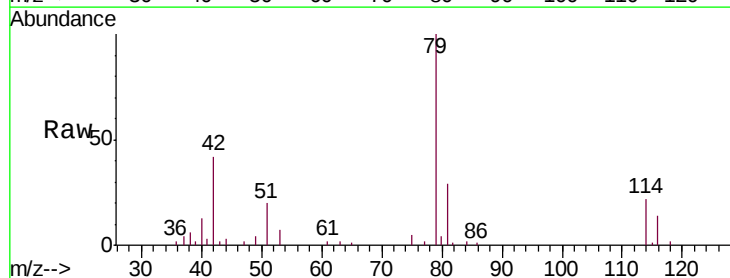
Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 CWK02

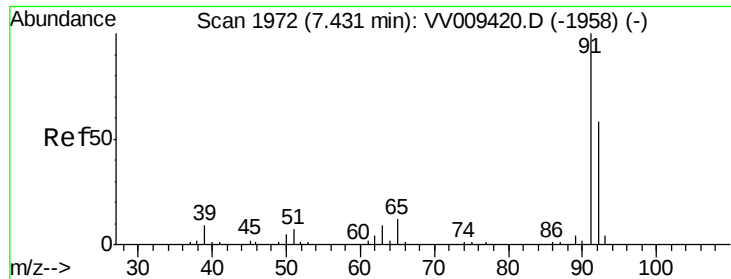
Tgt Ion: 63 Resp: 3618  
 Ion Ratio Lower Upper  
 63 100  
 112 0.0 3.1 4.7#



#39  
 cis-1,3-Dichloropropene  
 Concen: 0.083 ug/L  
 RT: 7.03 min Scan# 1848  
 Delta R.T. -0.04 min  
 Lab File: VV009437.D  
 Acq: 28 Feb 2019 21:14

Tgt Ion: 75 Resp: 885  
 Ion Ratio Lower Upper  
 75 100  
 77 48.1 21.1 39.1#





#42

Toluene

Concen: 0.483 ug/L

RT: 7.43 min Scan# 1972

Delta R.T. 0.00 min

Lab File: VV009437.D

Acq: 28 Feb 2019 21:14

Instrument :  
MSVOA\_V  
ClientSampleId :  
CWK02

Tgt Ion: 91 Resp: 15126

Ion Ratio Lower Upper

91 100

92 60.1 39.8 73.8

