

Data File : VV011438.D  
Acq On : 12 Jun 2019 23:51  
Operator : SY/MD  
Sample : K3310-12  
Misc : 25ML/MSVOA\_V/WATER  
ALS Vial : 1 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
COM10

Quant Time: Jun 13 02:38:12 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR060419WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Thu Jun 13 02:32:13 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 141636   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 128437   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 48071    | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 33726    | 3.14     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 62.80%  |
| 7) Chloroethane-d5             | 1.58   | 69    | 28637    | 3.21     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 64.20%# |
| 11) 1,1-Dichloroethene-d2      | 2.12   | 63    | 60153    | 2.81     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 56.20%# |
| 20) 2-Butanone-d5              | 3.97   | 46    | 115300   | 47.72    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 95.44%  |
| 24) Chloroform-d               | 4.40   | 84    | 82967    | 4.39     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 87.80%  |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 49307    | 4.83     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 96.60%  |
| 32) Benzene-d6                 | 5.09   | 84    | 160864   | 4.19     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 83.80%  |
| 36) 1,2-Dichloropropane-d6     | 6.12   | 67    | 52142    | 4.41     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 88.20%  |
| 41) Toluene-d8                 | 7.36   | 98    | 137770   | 3.90     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 78.00%  |
| 43) trans-1,3-Dichloropropene- | 7.66   | 79    | 13391    | 2.97     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 59.40%  |
| 46) 2-Hexanone-d5              | 8.14   | 63    | 83826    | 43.98    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 87.96%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 34850    | 4.32     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 86.40%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 43394    | 4.57     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 91.40%  |

#### Target Compounds

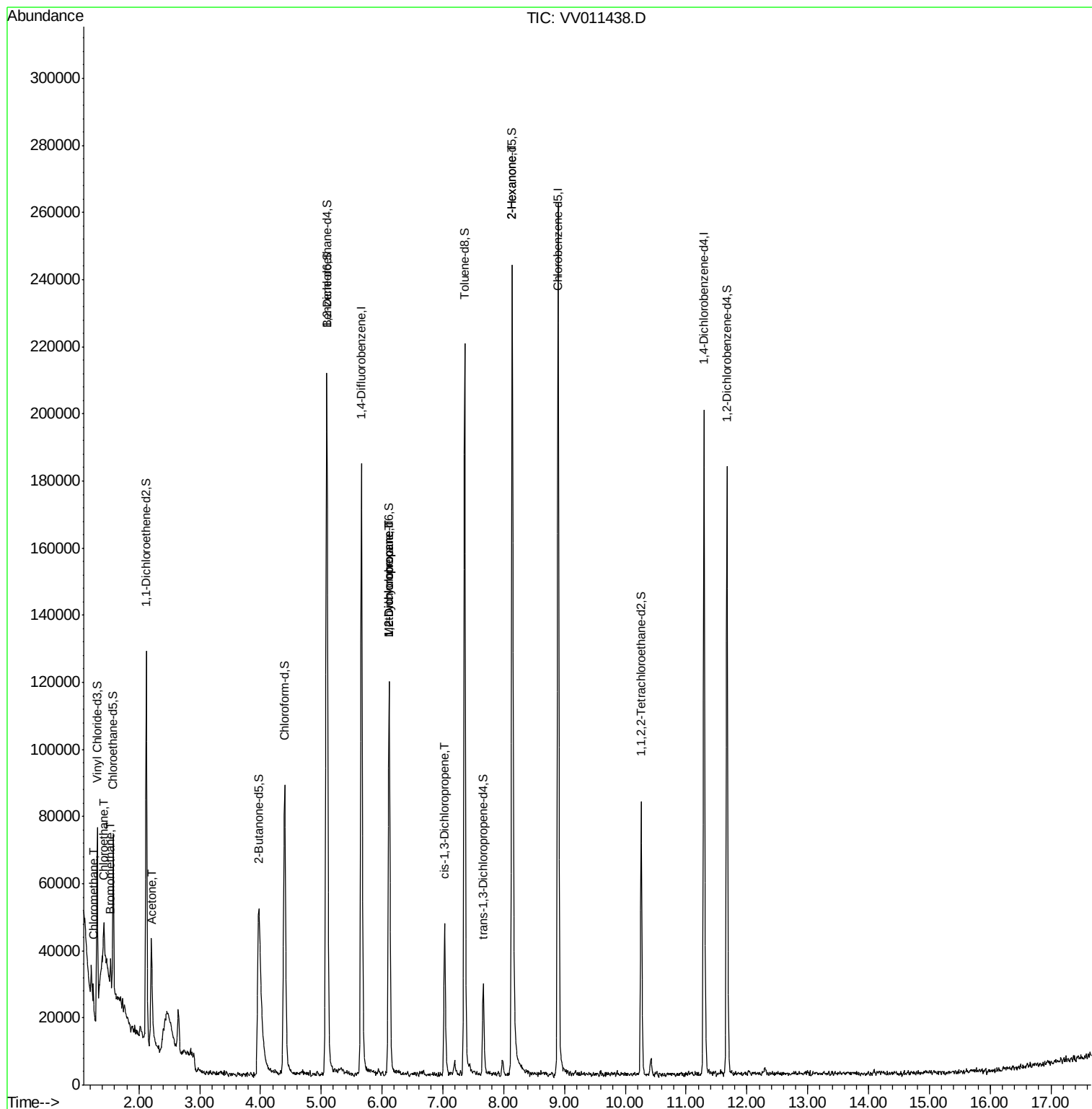
|                             |      |    |       |              | Qvalue |
|-----------------------------|------|----|-------|--------------|--------|
| 3) Chloromethane            | 1.25 | 50 | 5301  | 0.392 ug/L   | 94     |
| 6) Bromomethane             | 1.53 | 94 | 2846  | 0.420 ug/L   | 88     |
| 8) Chloroethane             | 1.41 | 64 | 58526 | 7.028 ug/L # | 58     |
| 13) Acetone                 | 2.23 | 43 | 2573  | 1.588 ug/L   | 60     |
| 35) Methylcyclohexane       | 6.12 | 83 | 12575 | 0.720 ug/L # | 16     |
| 37) 1,2-Dichloropropane     | 6.12 | 63 | 6504  | 0.639 ug/L # | 87     |
| 39) cis-1,3-Dichloropropene | 7.03 | 75 | 1242  | 0.083 ug/L # | 22     |
| 48) 2-Hexanone              | 8.14 | 43 | 12819 | 2.838 ug/L # | 73     |

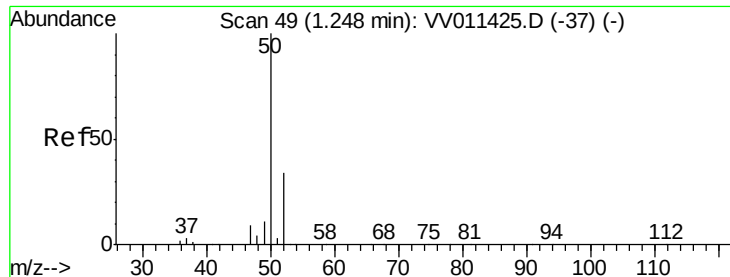
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.392 ug/L

RT: 1.25 min Scan# 49

Delta R.T. -0.00 min

Lab File: VV011438.D

Acq: 12 Jun 2019 23:51

Instrument :

MSVOA\_V

ClientSampled :

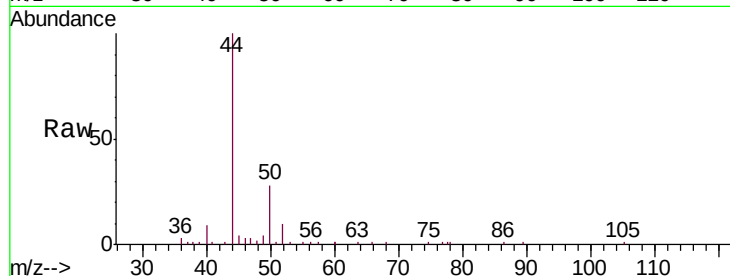
COM10

Tgt Ion: 50 Resp: 5301

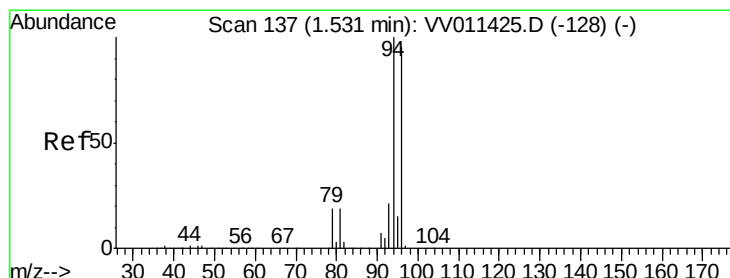
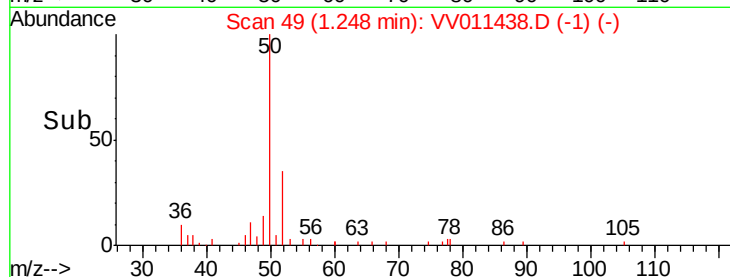
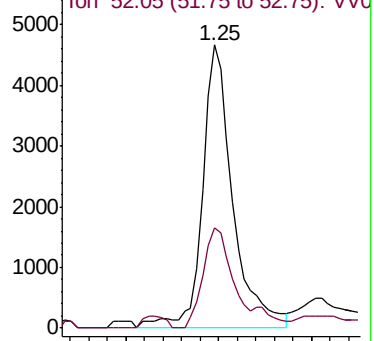
Ion Ratio Lower Upper

50 100

52 35.4 22.3 41.5



Abundance Ion 50.05 (49.75 to 50.75): VV011438.D (-1) (-)



#6

Bromomethane

Concen: 0.420 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV011438.D

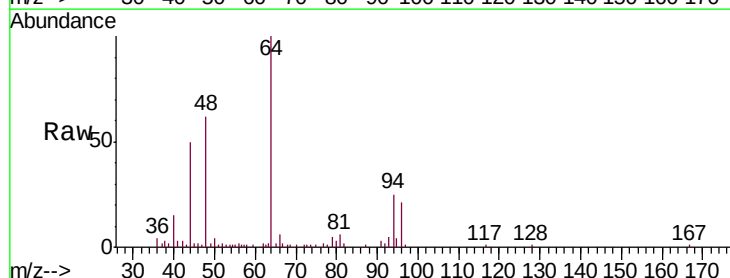
Acq: 12 Jun 2019 23:51

Tgt Ion: 94 Resp: 2846

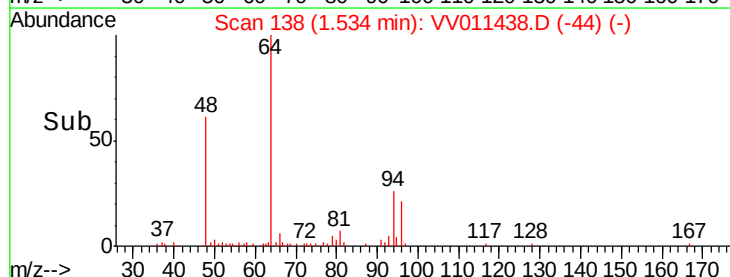
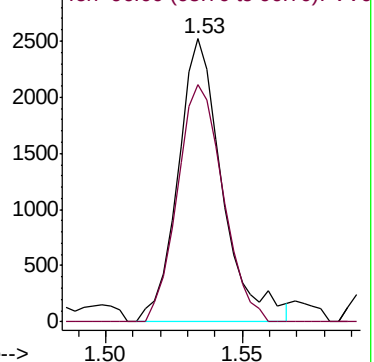
Ion Ratio Lower Upper

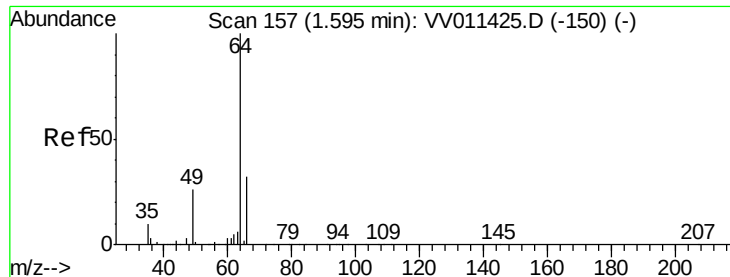
94 100

96 84.0 67.0 124.4



Abundance Ion 94.00 (93.70 to 94.70): VV011438.D (-44) (-)





#8

Chloroethane

Concen: 7.028 ug/L

RT: 1.41 min Scan# 100

Delta R.T. -0.18 min

Lab File: VV011438.D

Acq: 12 Jun 2019 23:51

Instrument :

MSVOA\_V

ClientSampleId :

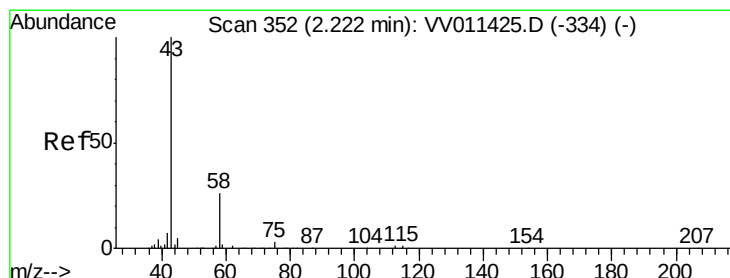
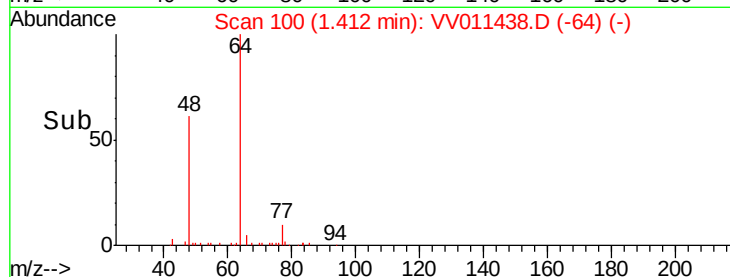
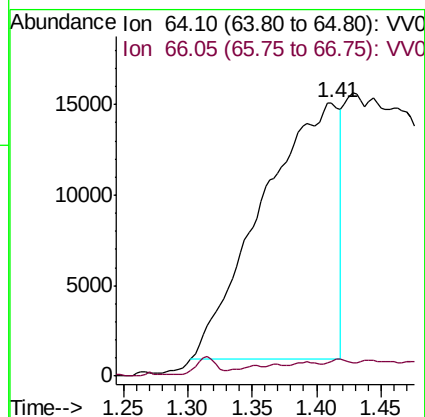
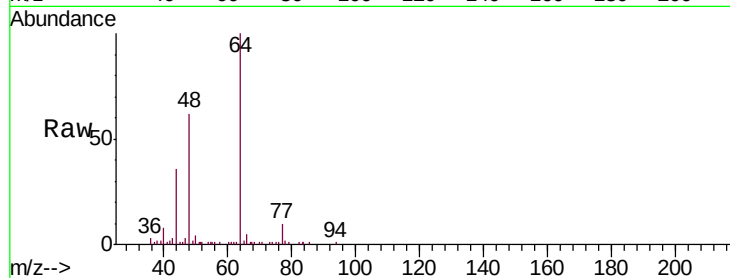
C0M10

Tgt Ion: 64 Resp: 58526

Ion Ratio Lower Upper

64 100

66 5.5 19.4 36.0#



#13

Acetone

Concen: 1.588 ug/L

RT: 2.23 min Scan# 353

Delta R.T. 0.00 min

Lab File: VV011438.D

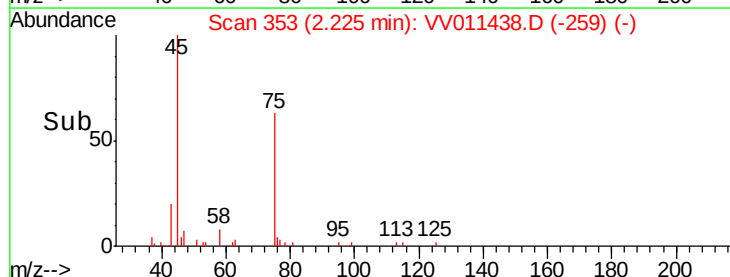
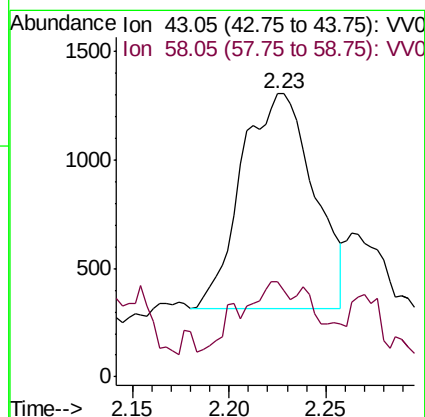
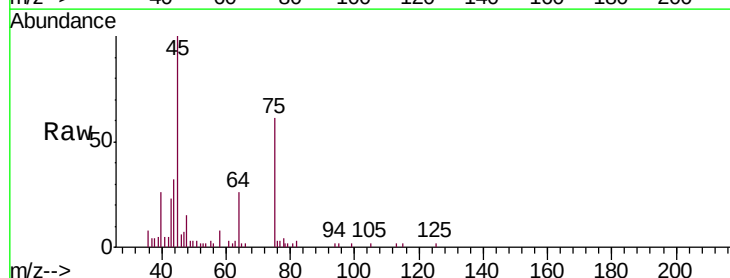
Acq: 12 Jun 2019 23:51

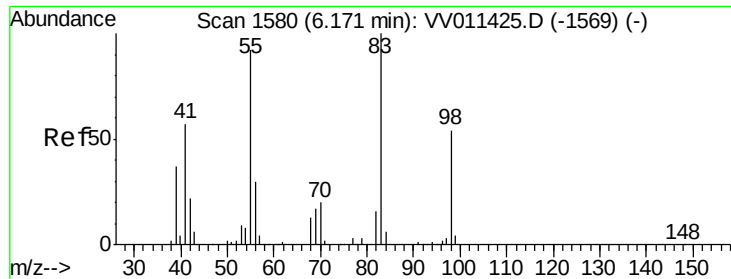
Tgt Ion: 43 Resp: 2573

Ion Ratio Lower Upper

43 100

58 6.8 0.0 55.2

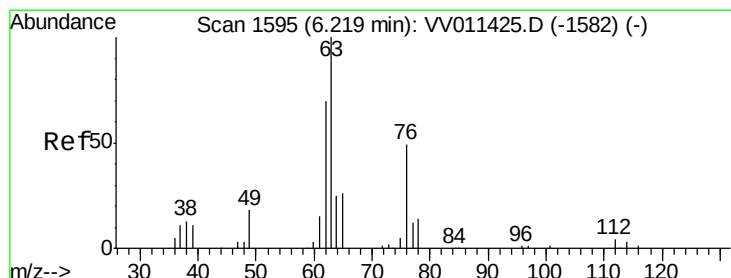
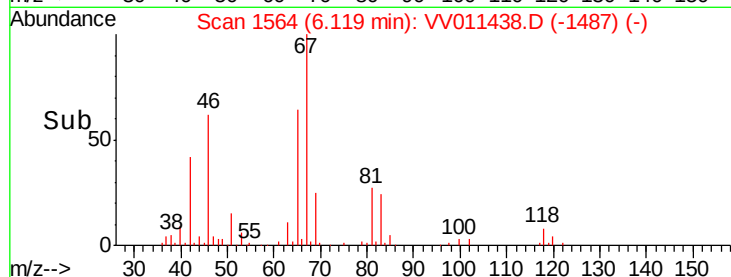
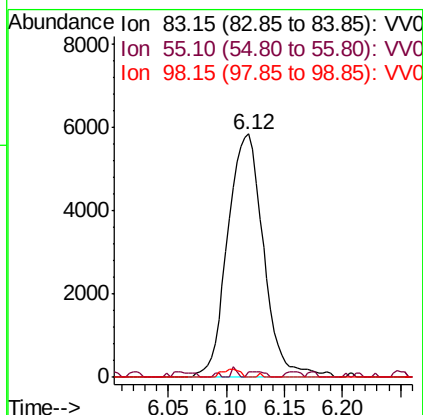
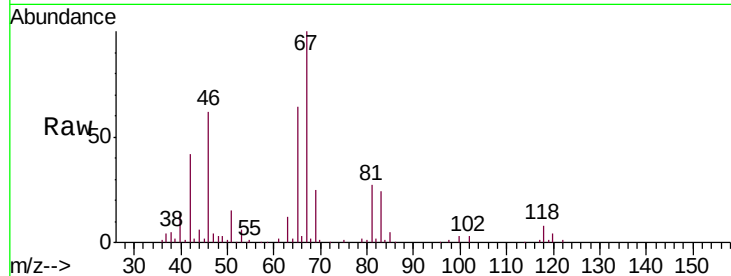




#35  
Methylcyclohexane  
Concen: 0.720 ug/L  
RT: 6.12 min Scan# 1564  
Delta R.T. -0.05 min  
Lab File: VV011438.D  
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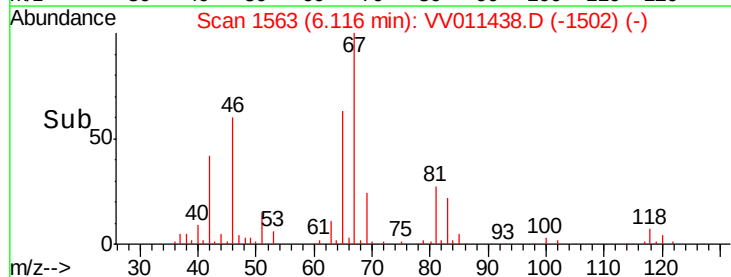
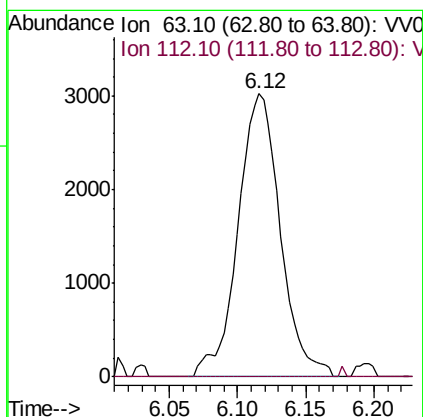
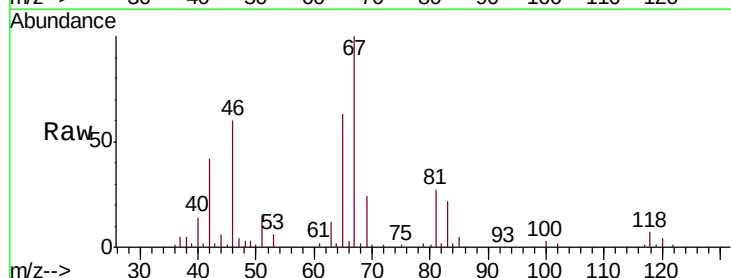
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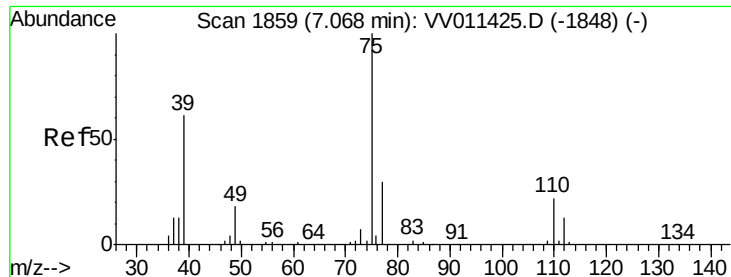
Tgt Ion: 83 Resp: 12575  
Ion Ratio Lower Upper  
83 100  
55 1.2 67.0 100.6#  
98 0.2 40.0 60.0#



#37  
1,2-Dichloropropane  
Concen: 0.639 ug/L  
RT: 6.12 min Scan# 1563  
Delta R.T. -0.10 min  
Lab File: VV011438.D  
Acq: 12 Jun 2019 23:51

Tgt Ion: 63 Resp: 6504  
Ion Ratio Lower Upper  
63 100  
112 0.3 3.6 5.4#





#39

cis-1,3-Dichloropropene

Concen: 0.083 ug/L

RT: 7.03 min Scan# 1848

Delta R.T. -0.04 min

Lab File: VV011438.D

Acq: 12 Jun 2019 23:51

Instrument :

MSVOA\_V

ClientSampleId :

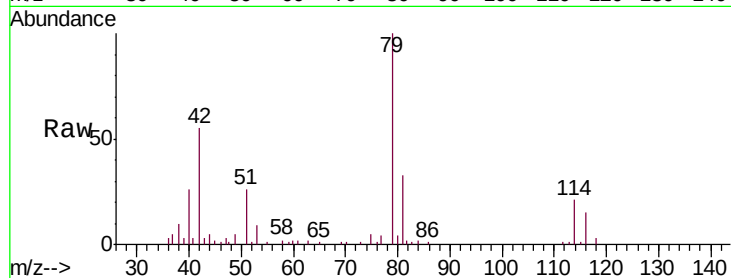
COM10

Tgt Ion: 75 Resp: 1242

Ion Ratio Lower Upper

75 100

77 74.9 22.2 41.2#



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.03

600

400

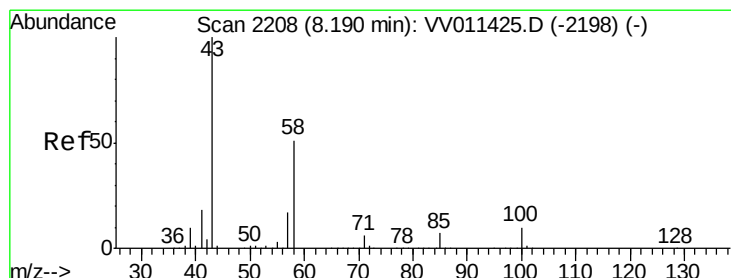
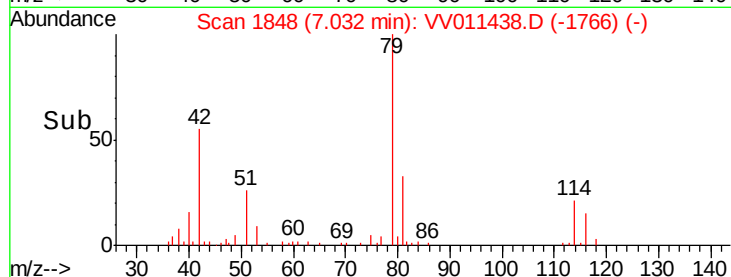
200

0

7.00

7.05

Time-->



#48

2-Hexanone

Concen: 2.838 ug/L

RT: 8.14 min Scan# 2193

Delta R.T. -0.05 min

Lab File: VV011438.D

Acq: 12 Jun 2019 23:51

Tgt Ion: 43 Resp: 12819

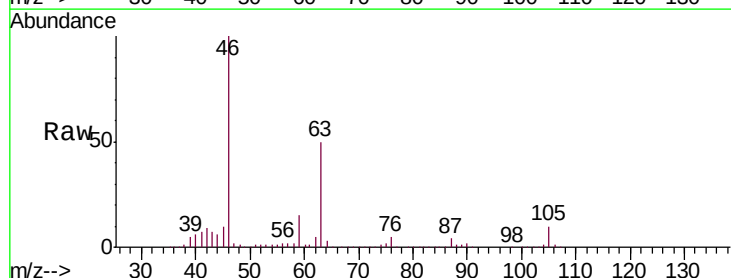
Ion Ratio Lower Upper

43 100

58 29.1 41.4 62.0#

57 24.4 15.0 22.4#

100 1.4 9.0 13.4#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 57.20 (56.90 to 57.90): VV0

Ion 100.15 (99.85 to 100.85): VV0

8.14

8000

6000

4000

2000

0

8.05

8.10

8.15

8.20

8.25

Time-->

