

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_V\DATA\VV060619\  
 Data File : VV011317.D  
 Acq On : 08 Jun 2019 06:15  
 Operator : SY/MD  
 Sample : K3228-19  
 Misc : 25ML/MSVOA\_V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 F9P63

Quant Time: Jun 10 06:53:08 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR060419WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Mon Jun 10 06:50:13 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.66  | 114  | 160830   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.89  | 117  | 146483   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.29 | 152  | 61525    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.31   | 65    | 42821    | 3.51     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 70.20%  |
| 7) Chloroethane-d5             | 1.58   | 69    | 37053    | 3.66     | ug/L | 0.03    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 73.20%  |
| 11) 1,1-Dichloroethene-d2      | 2.12   | 63    | 69386    | 2.85     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 57.00%# |
| 20) 2-Butanone-d5              | 3.98   | 46    | 128282   | 46.76    | ug/L | 0.04    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 93.52%  |
| 24) Chloroform-d               | 4.40   | 84    | 89366    | 4.17     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 83.40%  |
| 26) 1,2-Dichloroethane-d4      | 5.08   | 65    | 50755    | 4.38     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 87.60%  |
| 32) Benzene-d6                 | 5.09   | 84    | 176265   | 4.02     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 80.40%  |
| 36) 1,2-Dichloropropane-d6     | 6.11   | 67    | 56554    | 4.19     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 83.80%  |
| 41) Toluene-d8                 | 7.36   | 98    | 154175   | 3.83     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 76.60%  |
| 43) trans-1,3-Dichloropropene- | 7.66   | 79    | 14086    | 2.74     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 54.80%# |
| 46) 2-Hexanone-d5              | 8.14   | 63    | 102812   | 47.30    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 94.60%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.26  | 84    | 39749    | 4.32     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 86.40%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.67  | 152   | 52172    | 4.30     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 86.00%  |

## Target Compounds

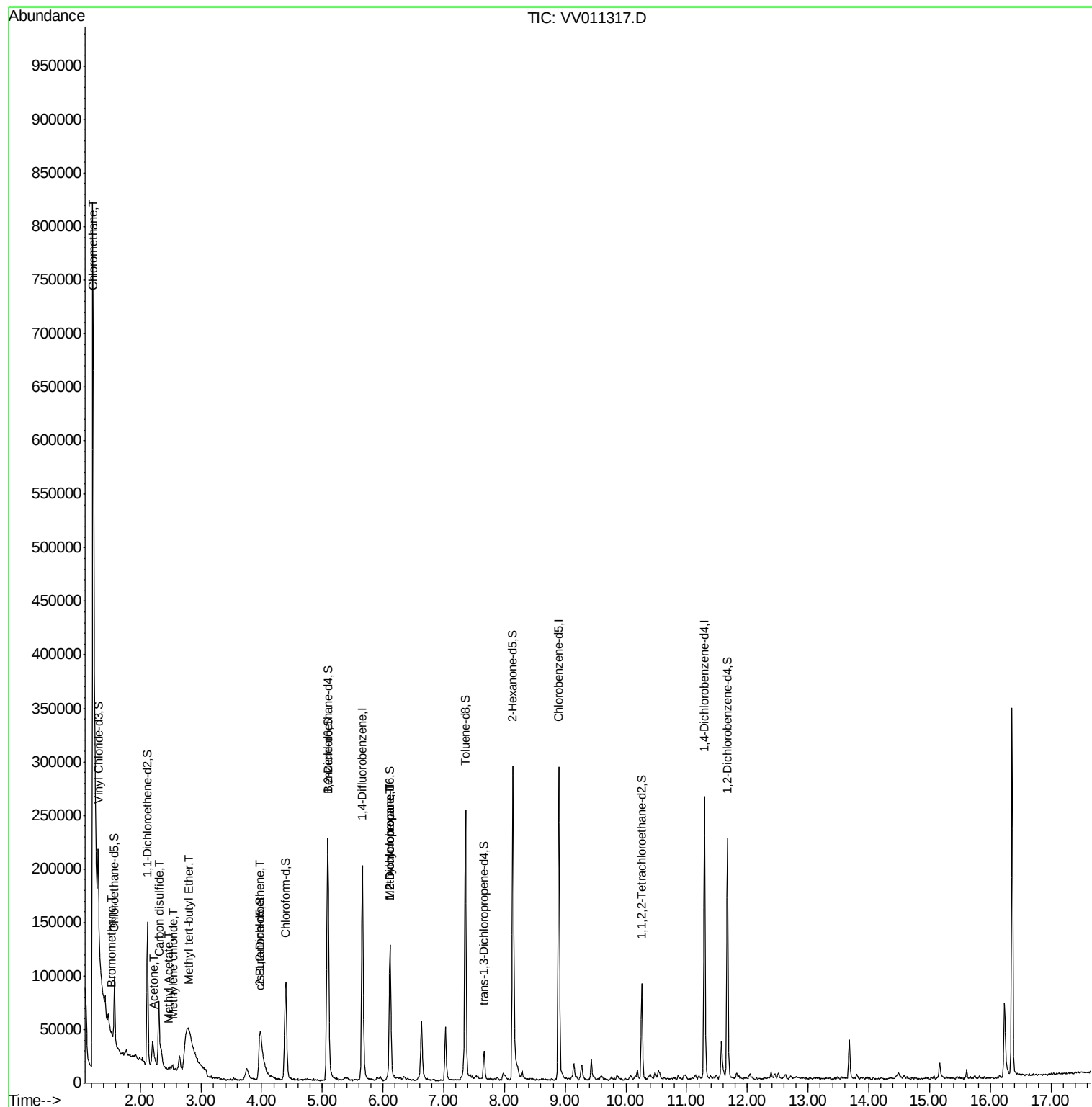
| Target Compounds            | R.T. | QIon | Response | Conc  | Units  | Qvalue |
|-----------------------------|------|------|----------|-------|--------|--------|
| 3) Chloromethane            | 1.22 | 50   | 34032    | 2.219 | ug/L # | 44     |
| 6) Bromomethane             | 1.53 | 94   | 1250     | 0.162 | ug/L   | 84     |
| 13) Acetone                 | 2.24 | 43   | 12155    | 6.608 | ug/L   | 72     |
| 14) Carbon disulfide        | 2.31 | 76   | 102502   | 3.335 | ug/L   | 99     |
| 15) Methyl Acetate          | 2.47 | 43   | 617      | 0.126 | ug/L # | 1      |
| 16) Methylene chloride      | 2.53 | 84   | 1341     | 0.128 | ug/L   | 86     |
| 17) Methyl tert-butyl Ether | 2.81 | 73   | 2673     | 0.099 | ug/L # | 1      |
| 22) cis-1,2-Dichloroethene  | 3.96 | 96   | 1146     | 0.091 | ug/L   | 92     |
| 35) Methylcyclohexane       | 6.12 | 83   | 13471    | 0.676 | ug/L # | 15     |
| 37) 1,2-Dichloropropane     | 6.11 | 63   | 7186     | 0.619 | ug/L # | 91     |

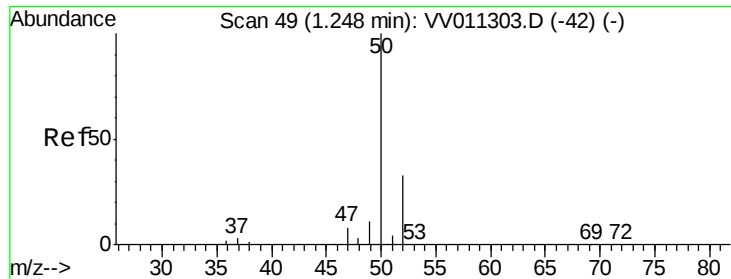
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Mon Jun 10 06:50:13 2019  
Response via : Initial Calibration





#3

Chloromethane

Concen: 2.219 ug/L

RT: 1.22 min Scan# 41

Delta R.T. -0.03 min

Lab File: VV011317.D

Acq: 08 Jun 2019 06:15

Instrument :

MSVOA\_V

ClientSampled :

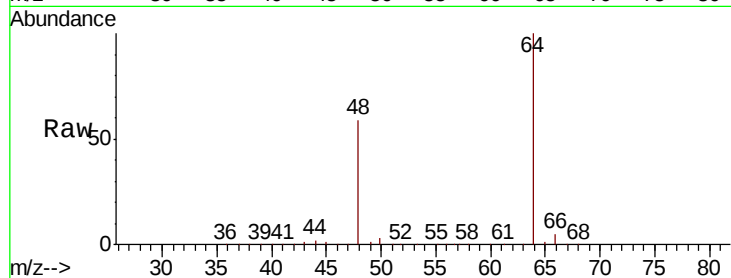
F9P63

Tgt Ion: 50 Resp: 34032

Ion Ratio Lower Upper

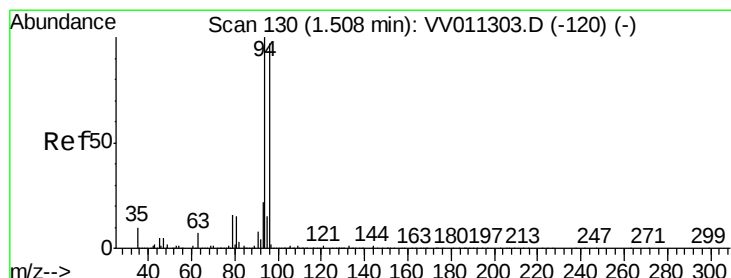
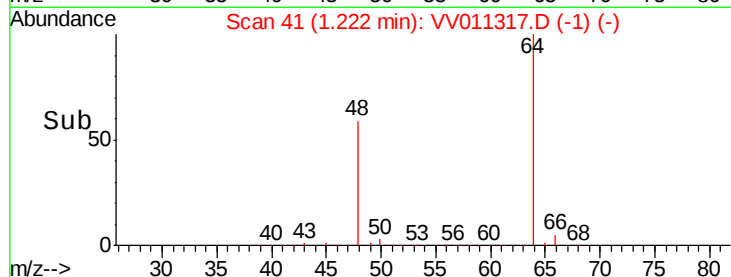
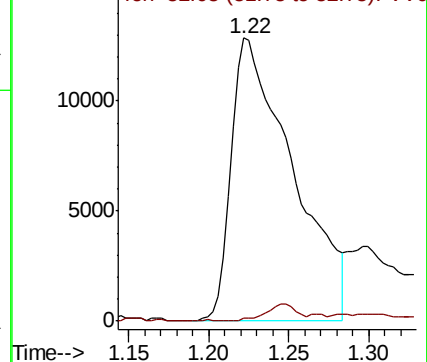
50 100

52 0.9 22.3 41.5#



Abundance Ion 50.05 (49.75 to 50.75): VV011303.D (-42) (-)

Ion 52.05 (51.75 to 52.75): VV011303.D (-42) (-)



#6

Bromomethane

Concen: 0.162 ug/L

RT: 1.53 min Scan# 137

Delta R.T. 0.03 min

Lab File: VV011317.D

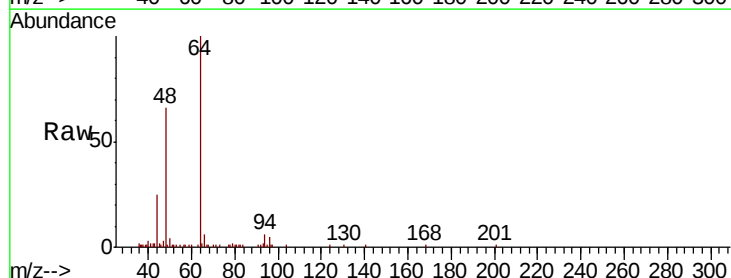
Acq: 08 Jun 2019 06:15

Tgt Ion: 94 Resp: 1250

Ion Ratio Lower Upper

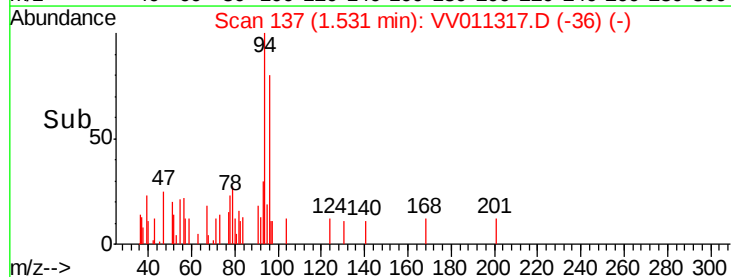
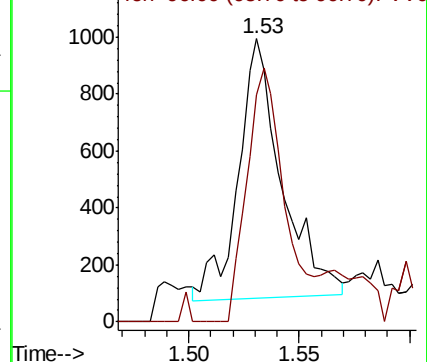
94 100

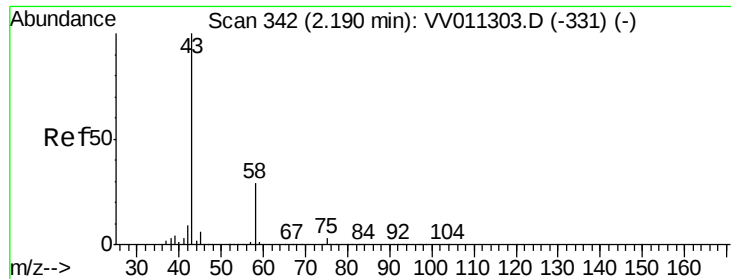
96 80.1 67.0 124.4



Abundance Ion 94.00 (93.70 to 94.70): VV011303.D (-120) (-)

Ion 96.00 (95.70 to 96.70): VV011303.D (-120) (-)





#13

Acetone

Concen: 6.608 ug/L

RT: 2.24 min Scan# 357

Delta R.T. 0.04 min

Lab File: VV011317.D

Acq: 08 Jun 2019 06:15

Instrument :

MSVOA\_V

ClientSampleId :

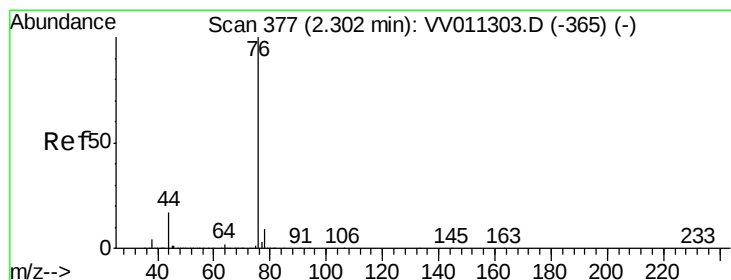
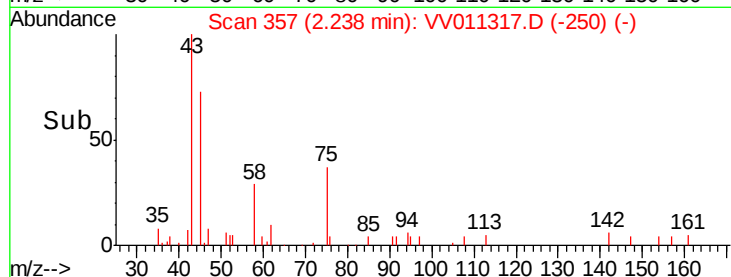
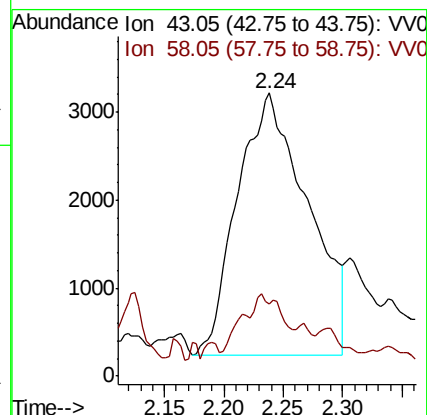
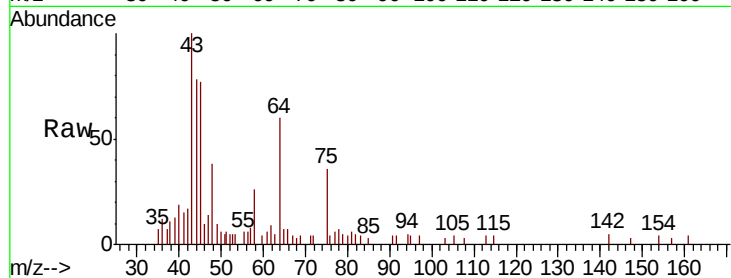
F9P63

Tgt Ion: 43 Resp: 12155

Ion Ratio Lower Upper

43 100

58 12.9 0.0 55.2



#14

Carbon disulfide

Concen: 3.335 ug/L

RT: 2.31 min Scan# 379

Delta R.T. 0.01 min

Lab File: VV011317.D

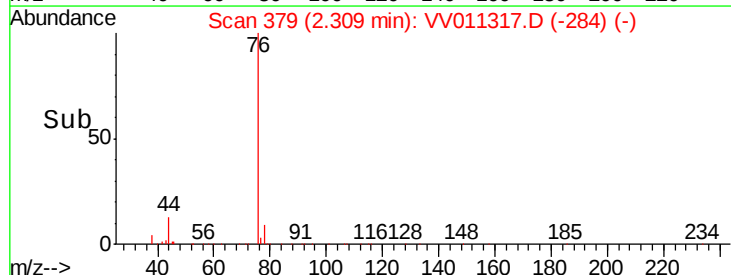
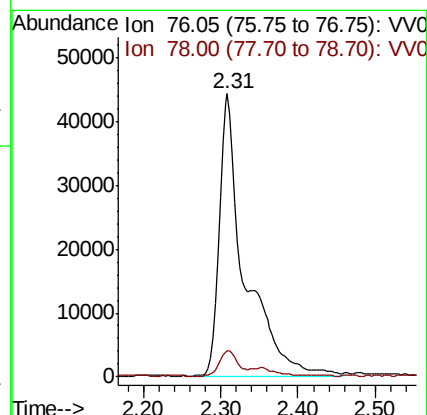
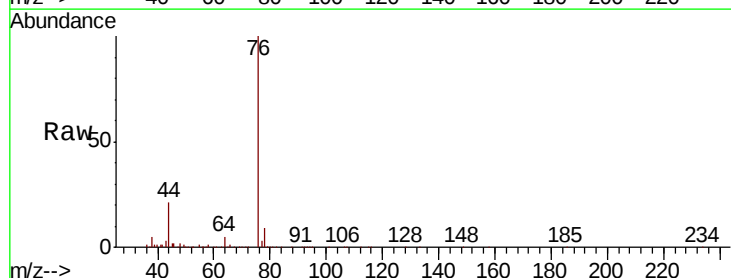
Acq: 08 Jun 2019 06:15

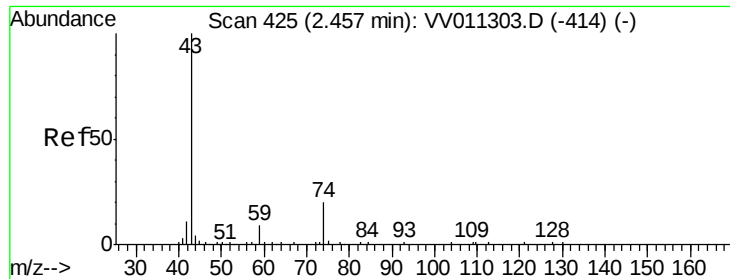
Tgt Ion: 76 Resp: 102502

Ion Ratio Lower Upper

76 100

78 9.3 7.3 10.9

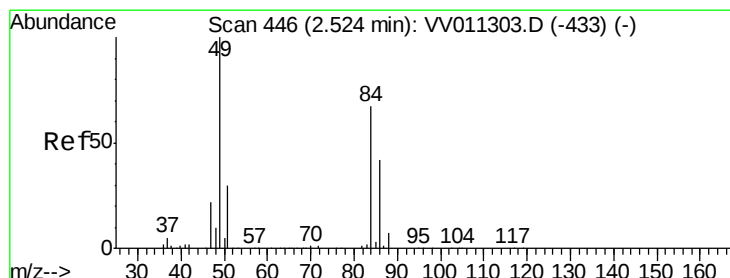
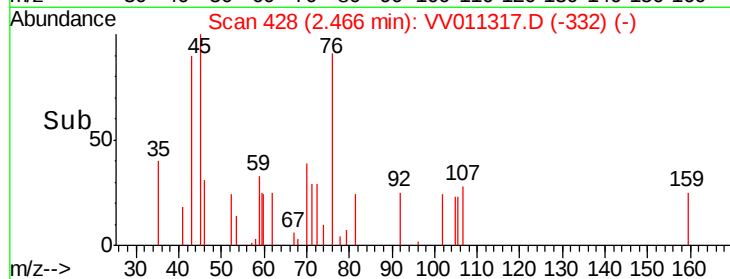
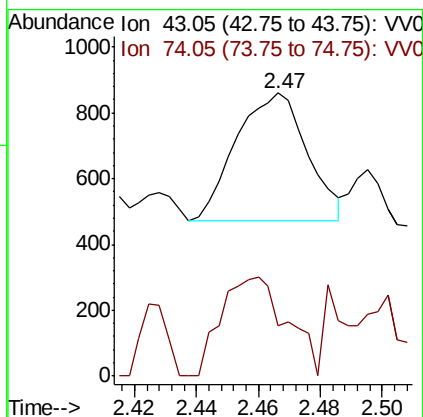
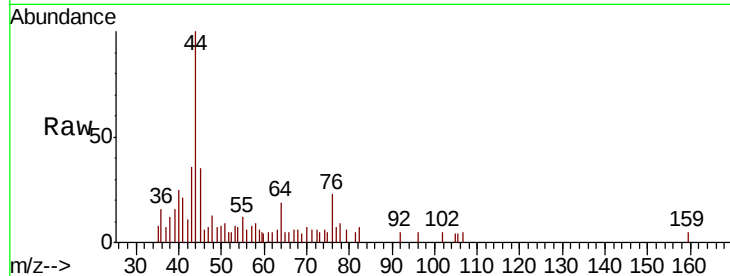




#15  
Methyl Acetate  
Concen: 0.126 ug/L  
RT: 2.47 min Scan# 428  
Delta R.T. 0.01 min  
Lab File: VV011317.D  
Acq: 08 Jun 2019 06:15

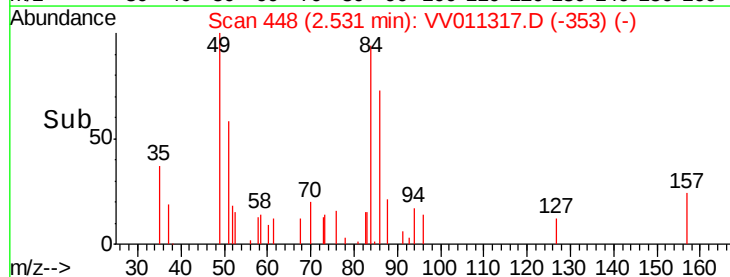
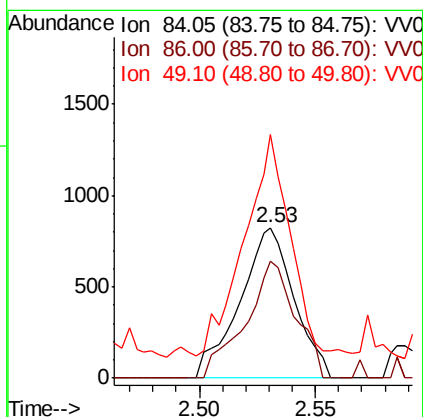
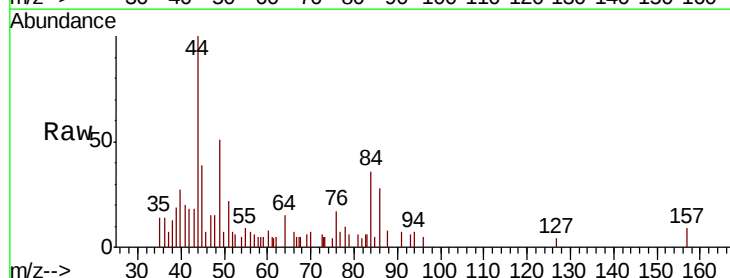
Instrument :  
MSVOA\_V  
ClientSampled :  
F9P63

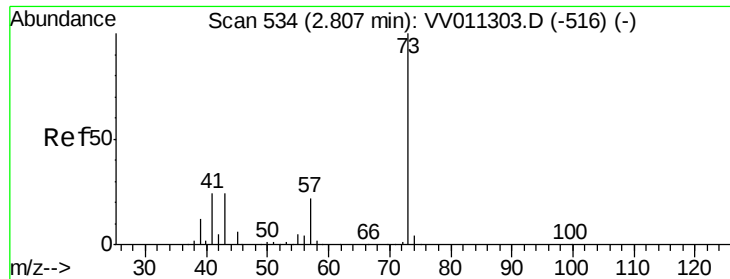
Tgt Ion: 43 Resp: 617  
Ion Ratio Lower Upper  
43 100  
74 71.3 18.5 27.7#



#16  
Methylene chloride  
Concen: 0.128 ug/L  
RT: 2.53 min Scan# 448  
Delta R.T. 0.01 min  
Lab File: VV011317.D  
Acq: 08 Jun 2019 06:15

Tgt Ion: 84 Resp: 1341  
Ion Ratio Lower Upper  
84 100  
86 77.5 44.9 83.3  
49 161.7 102.1 189.5





#17

Methyl tert-butyl Ether

Concen: 0.099 ug/L

RT: 2.81 min Scan# 536

Delta R.T. 0.01 min

Lab File: VV011317.D

Acq: 08 Jun 2019 06:15

Instrument :

MSVOA\_V

ClientSampled :

F9P63

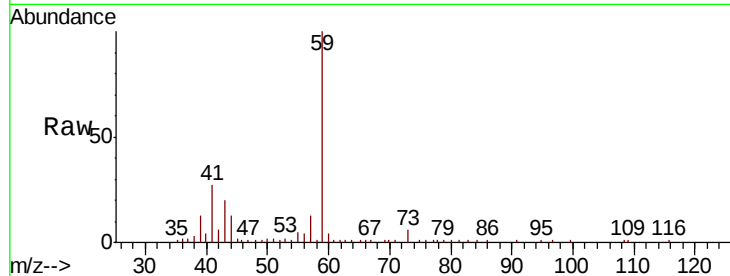
Tgt Ion: 73 Resp: 2673

Ion Ratio Lower Upper

73 100

43 0.0 18.7 28.1#

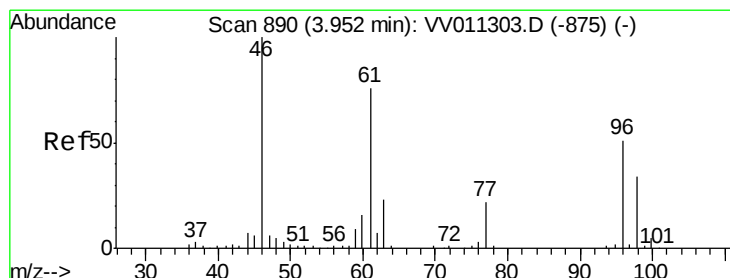
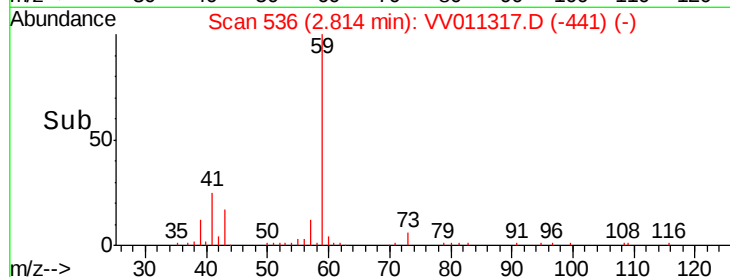
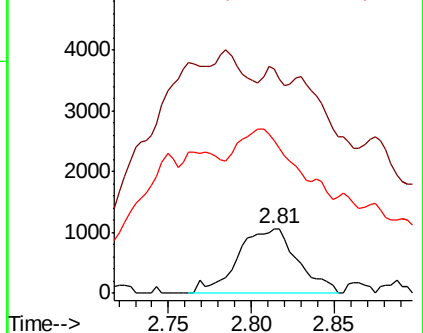
57 98.9 18.1 27.1#



Abundance Ion 73.10 (72.80 to 73.80): VV0

Ion 43.05 (42.75 to 43.75): VV0

Ion 57.10 (56.80 to 57.80): VV0



#22

cis-1,2-Dichloroethene

Concen: 0.091 ug/L

RT: 3.96 min Scan# 892

Delta R.T. 0.01 min

Lab File: VV011317.D

Acq: 08 Jun 2019 06:15

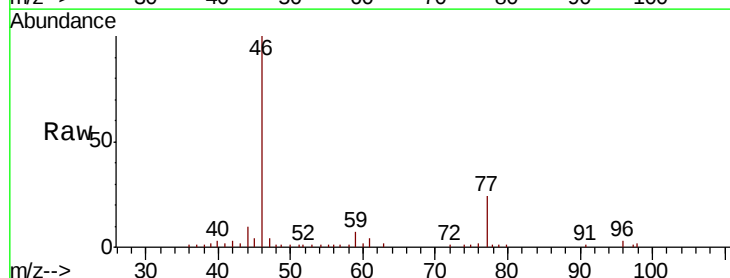
Tgt Ion: 96 Resp: 1146

Ion Ratio Lower Upper

96 100

61 134.0 100.8 187.2

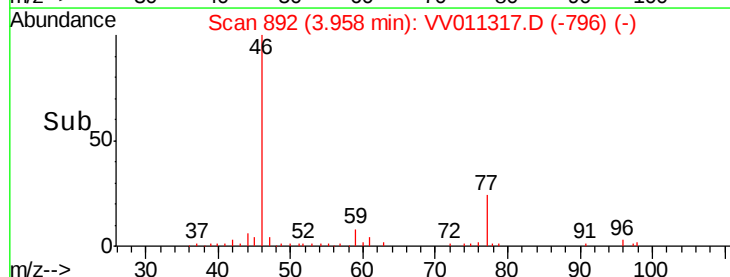
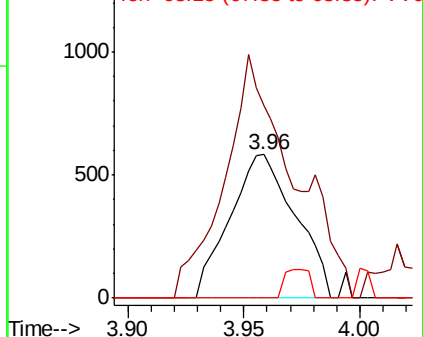
68 0.0 0.0 0.0

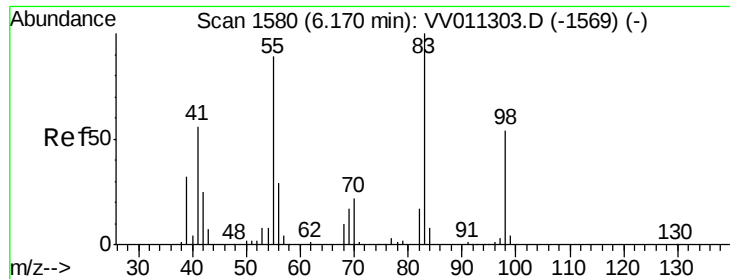


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 68.15 (67.85 to 68.85): VV0

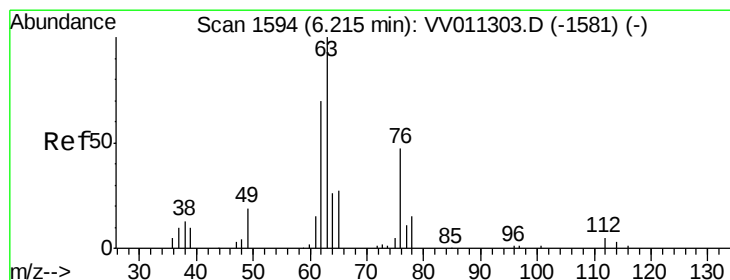
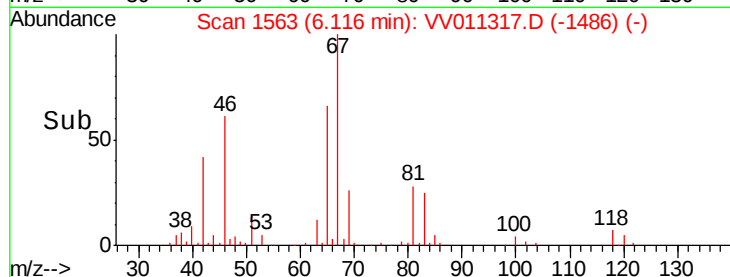
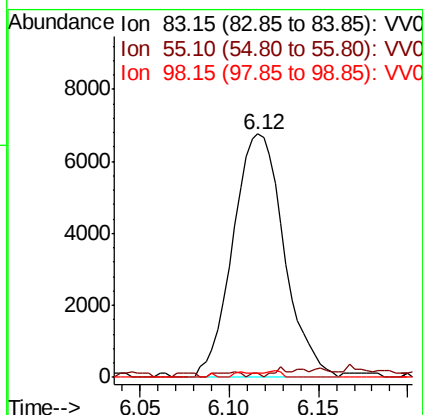
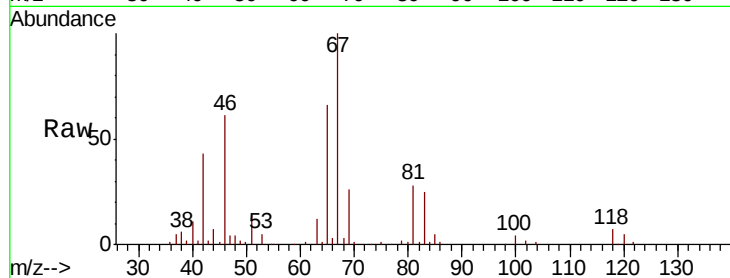




#35  
Methylcyclohexane  
Concen: 0.676 ug/L  
RT: 6.12 min Scan# 1563  
Delta R.T. -0.05 min  
Lab File: VV011317.D  
Acq: 08 Jun 2019 06:15

Instrument :  
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ClientSampleId :  
F9P63

Tgt Ion: 83 Resp: 13471  
Ion Ratio Lower Upper  
83 100  
55 0.3 67.0 100.6#  
98 0.0 40.0 60.0#



#37  
1,2-Dichloropropane  
Concen: 0.619 ug/L  
RT: 6.11 min Scan# 1562  
Delta R.T. -0.11 min  
Lab File: VV011317.D  
Acq: 08 Jun 2019 06:15

Tgt Ion: 63 Resp: 7186  
Ion Ratio Lower Upper  
63 100  
112 1.6 3.6 5.4#

