

Data File : VV007682.D  
Acq On : 21 Sep 2018 03:50  
Operator : SY/MD  
Sample : J4990-10  
Misc : 25.0 mL/MSVOA\_V/WATER  
ALS Vial : 41 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
C0T12

Quant Time: Sep 21 04:12:08 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR091918WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Fri Sep 21 03:27:29 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 103288   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 94677    | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 49629    | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 17750    | 4.18     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 83.60%  |
| 7) Chloroethane-d5             | 1.59   | 69    | 19320    | 4.85     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 97.00%  |
| 11) 1,1-Dichloroethene-d2      | 2.13   | 63    | 33718    | 2.99     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 59.80%# |
| 20) 2-Butanone-d5              | 3.96   | 46    | 51465    | 47.52    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 95.04%  |
| 24) Chloroform-d               | 4.41   | 84    | 45467    | 4.49     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 89.80%  |
| 26) 1,2-Dichloroethane-d4      | 5.09   | 65    | 24179    | 4.83     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 96.60%  |
| 32) Benzene-d6                 | 5.10   | 84    | 86686    | 4.62     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 92.40%  |
| 36) 1,2-Dichloropropane-d6     | 6.12   | 67    | 25594    | 4.62     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 92.40%  |
| 41) Toluene-d8                 | 7.36   | 98    | 84335    | 4.36     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 87.20%  |
| 43) trans-1,3-Dichloropropene- | 7.67   | 79    | 8653     | 3.88     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 77.60%  |
| 46) 2-Hexanone-d5              | 8.14   | 63    | 36412    | 41.97    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 83.94%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27  | 84    | 20254    | 4.41     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 88.20%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.68  | 152   | 39078    | 4.77     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 95.40%  |

#### Target Compounds

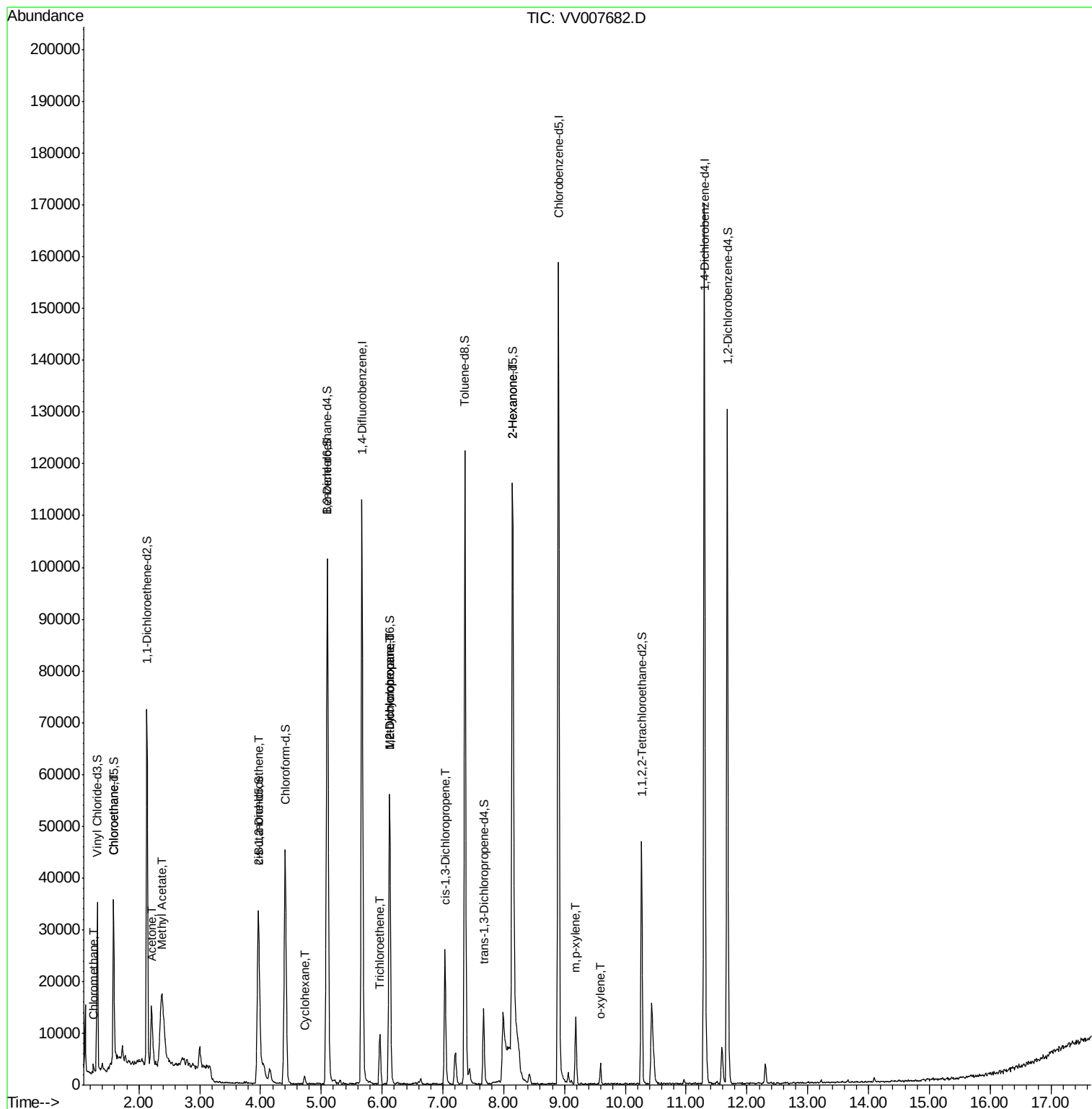
|                             |      |     |       |              | Qvalue |
|-----------------------------|------|-----|-------|--------------|--------|
| 3) Chloromethane            | 1.25 | 50  | 748   | 0.116 ug/L   | 86     |
| 8) Chloroethane             | 1.58 | 64  | 495   | 0.101 ug/L # | 41     |
| 13) Acetone                 | 2.21 | 43  | 13712 | 13.144 ug/L  | 98     |
| 15) Methyl Acetate          | 2.38 | 43  | 9642  | 3.749 ug/L # | 49     |
| 22) cis-1,2-Dichloroethene  | 3.97 | 96  | 2962  | 0.406 ug/L   | 82     |
| 30) Cyclohexane             | 4.73 | 56  | 720   | 0.075 ug/L # | 90     |
| 34) Trichloroethene         | 5.96 | 95  | 3361  | 0.454 ug/L   | 93     |
| 35) Methylcyclohexane       | 6.12 | 83  | 6613  | 0.579 ug/L # | 22     |
| 37) 1,2-Dichloropropane     | 6.13 | 63  | 3028  | 0.499 ug/L # | 85     |
| 39) cis-1,3-Dichloropropene | 7.03 | 75  | 791   | 0.090 ug/L # | 76     |
| 48) 2-Hexanone              | 8.14 | 43  | 6564  | 2.821 ug/L # | 90     |
| 53) m,p-xylene              | 9.19 | 106 | 3812  | 0.300 ug/L   | 98     |
| 54) o-xylene                | 9.59 | 106 | 1161  | 0.093 ug/L   | 94     |

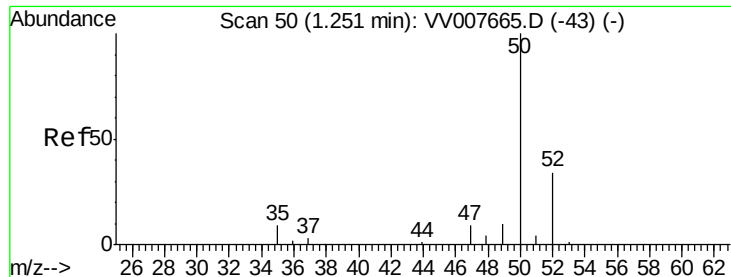
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#3

Chloromethane

Concen: 0.116 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV007682.D

Acq: 21 Sep 2018 03:50

Instrument :

MSVOA\_V

ClientSampleId :

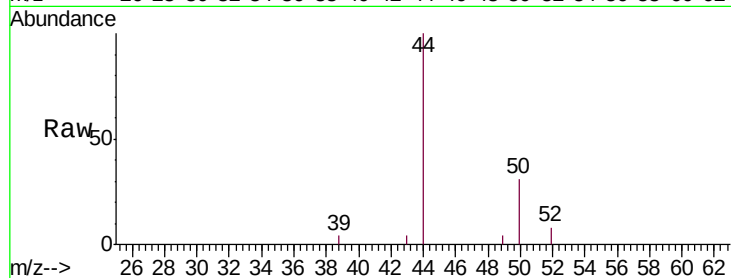
C0T12

Tgt Ion: 50 Resp: 748

Ion Ratio Lower Upper

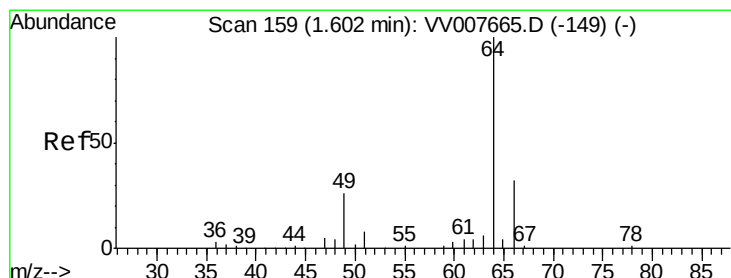
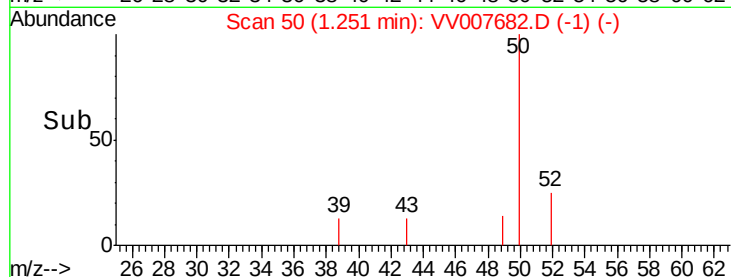
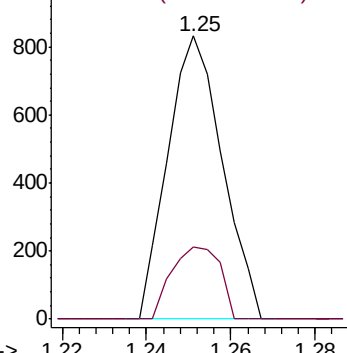
50 100

52 25.4 23.2 43.2



Abundance Ion 50.05 (49.75 to 50.75): VV007665.D

Ion 52.05 (51.75 to 52.75): VV007665.D



#8

Chloroethane

Concen: 0.101 ug/L

RT: 1.58 min Scan# 152

Delta R.T. -0.02 min

Lab File: VV007682.D

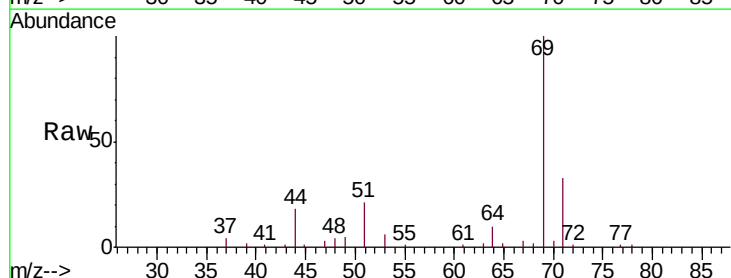
Acq: 21 Sep 2018 03:50

Tgt Ion: 64 Resp: 495

Ion Ratio Lower Upper

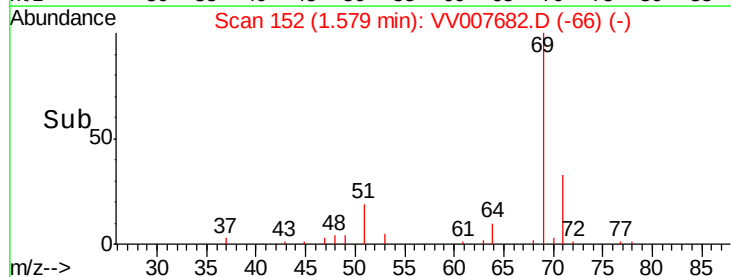
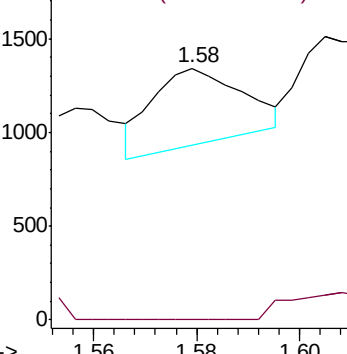
64 100

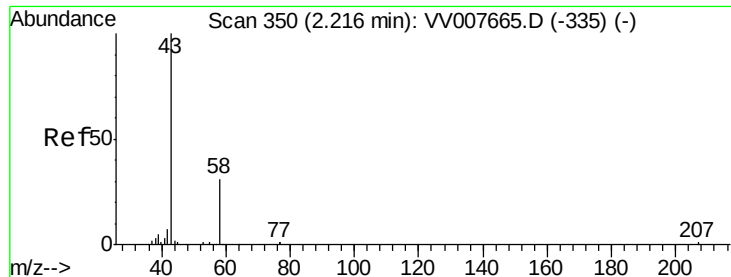
66 0.0 23.4 43.4#



Abundance Ion 64.10 (63.80 to 64.80): VV007665.D

Ion 66.05 (65.75 to 66.75): VV007665.D





#13

Acetone

Concen: 13.144 ug/L

RT: 2.21 min Scan# 348

Delta R.T. -0.01 min

Lab File: VV007682.D

Acq: 21 Sep 2018 03:50

Instrument :

MSVOA\_V

ClientSampleId :

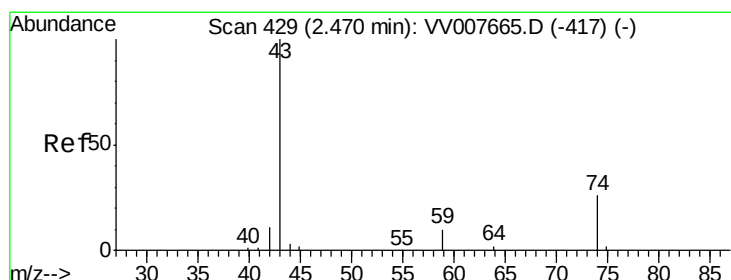
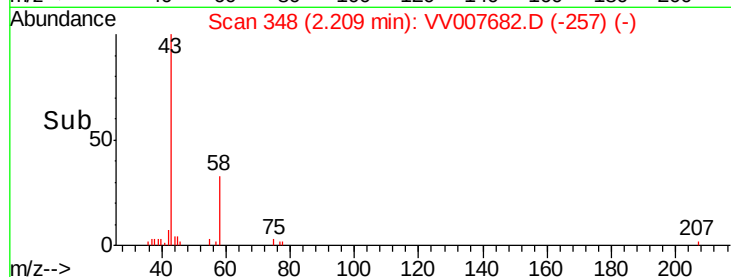
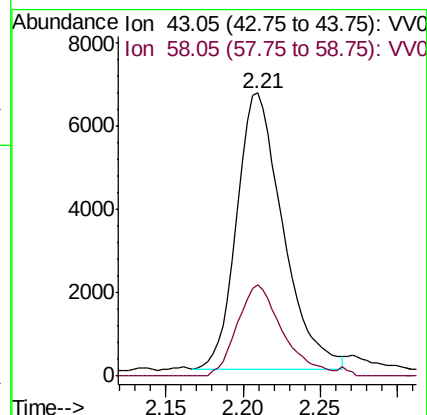
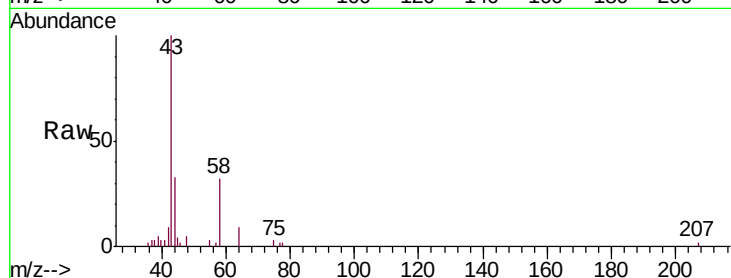
C0T12

Tgt Ion: 43 Resp: 13712

Ion Ratio Lower Upper

43 100

58 32.8 0.0 63.6



#15

Methyl Acetate

Concen: 3.749 ug/L

RT: 2.38 min Scan# 400

Delta R.T. -0.09 min

Lab File: VV007682.D

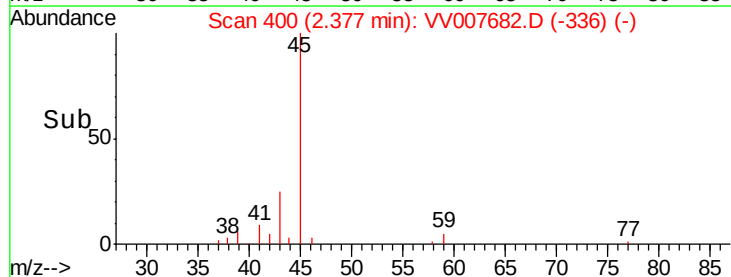
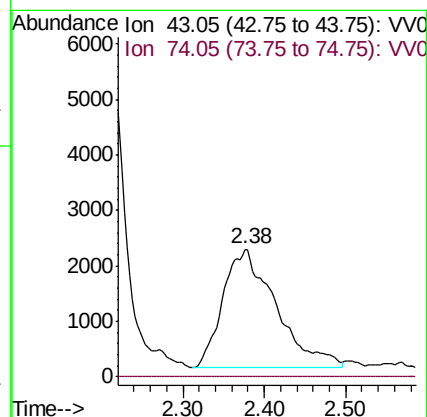
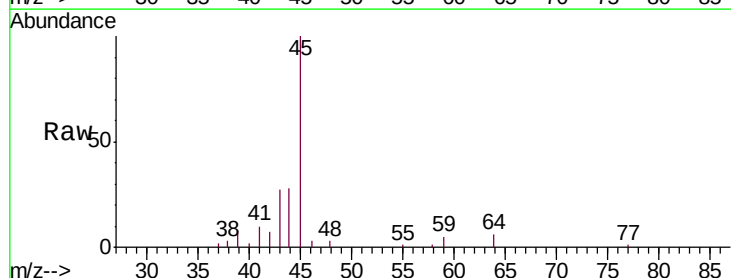
Acq: 21 Sep 2018 03:50

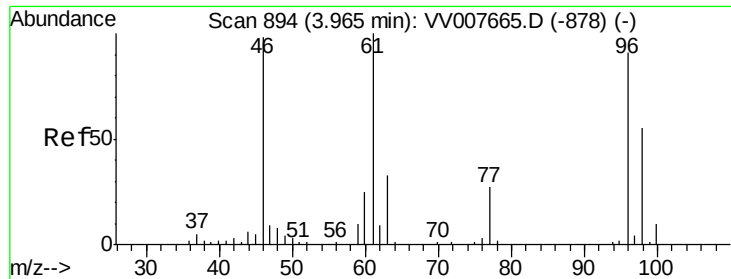
Tgt Ion: 43 Resp: 9642

Ion Ratio Lower Upper

43 100

74 0.0 20.6 30.8#





#22

cis-1,2-Dichloroethene

Concen: 0.406 ug/L

RT: 3.97 min Scan# 895

Delta R.T. 0.00 min

Lab File: VV007682.D

Acq: 21 Sep 2018 03:50

Instrument :

MSVOA\_V

ClientSampleId :

C0T12

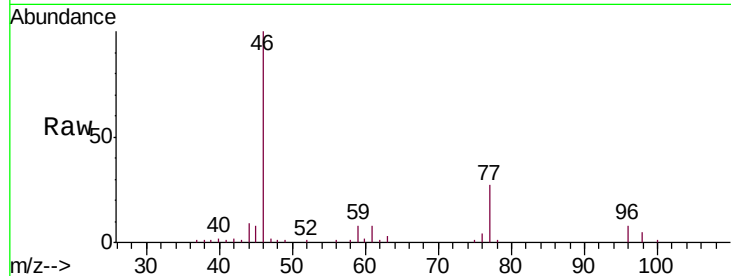
Tgt Ion: 96 Resp: 2962

Ion Ratio Lower Upper

96 100

61 94.0 79.0 146.8

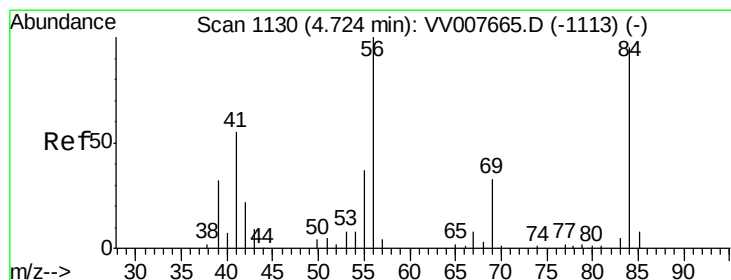
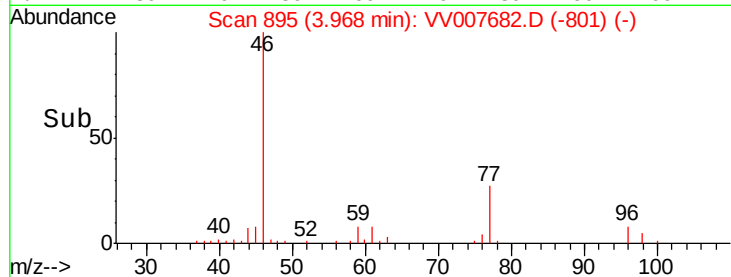
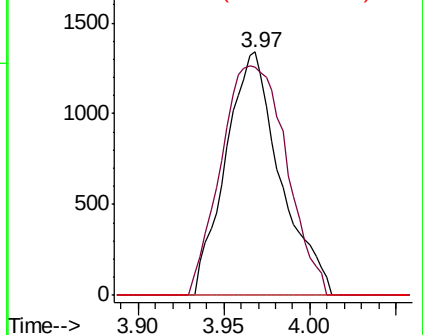
68 0.0 0.0 0.0



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



#30

Cyclohexane

Concen: 0.075 ug/L

RT: 4.73 min Scan# 1131

Delta R.T. 0.00 min

Lab File: VV007682.D

Acq: 21 Sep 2018 03:50

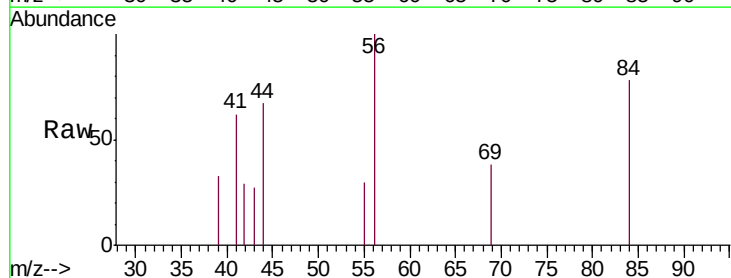
Tgt Ion: 56 Resp: 720

Ion Ratio Lower Upper

56 100

69 17.9 26.9 40.3#

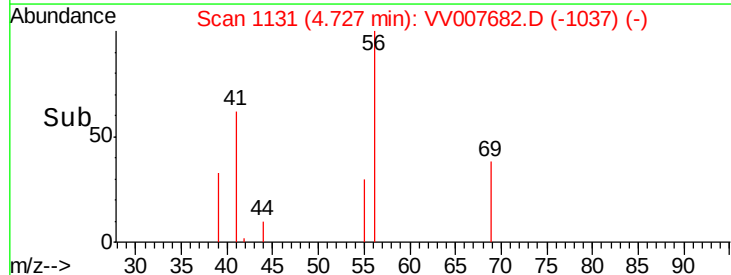
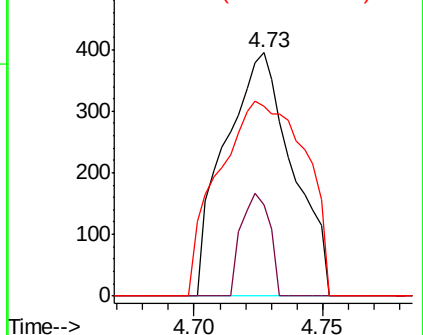
84 102.9 78.9 118.3

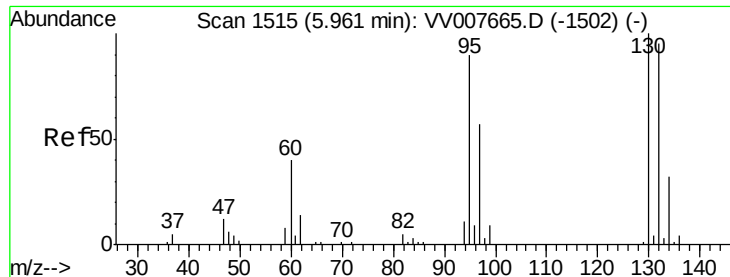


Abundance Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0





#34

Trichloroethene

Concen: 0.454 ug/L

RT: 5.96 min Scan# 1515

Delta R.T. 0.00 min

Lab File: VV007682.D

Acq: 21 Sep 2018 03:50

Instrument :

MSVOA\_V

ClientSampleId :

C0T12

Tgt Ion: 95 Resp: 3361

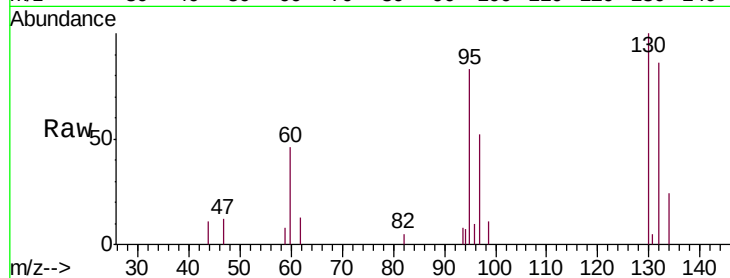
Ion Ratio Lower Upper

95 100

97 62.2 45.1 83.9

132 102.8 78.2 145.2

130 119.8 78.8 146.3

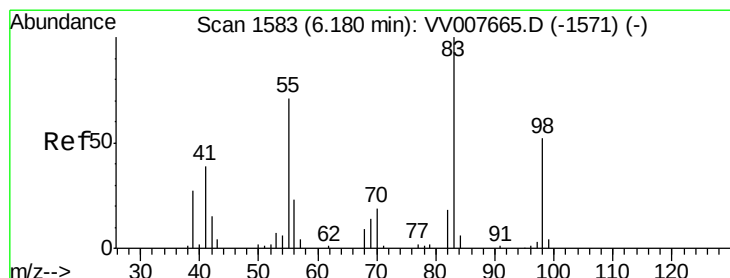
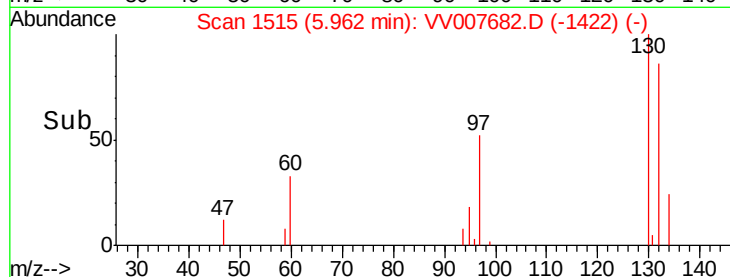
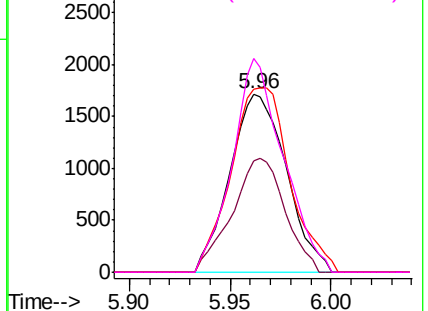


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): VV0

Ion 129.95 (129.65 to 130.65): VV0



#35

Methylcyclohexane

Concen: 0.579 ug/L

RT: 6.12 min Scan# 1565

Delta R.T. -0.06 min

Lab File: VV007682.D

Acq: 21 Sep 2018 03:50

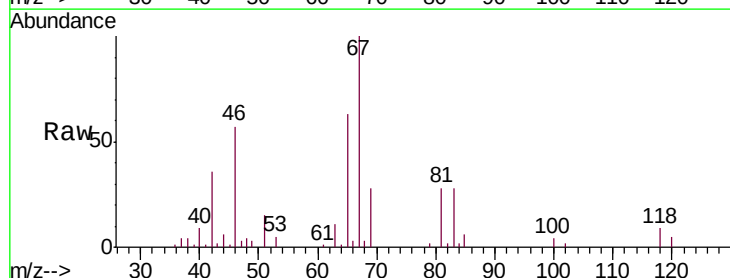
Tgt Ion: 83 Resp: 6613

Ion Ratio Lower Upper

83 100

55 0.0 54.8 82.2#

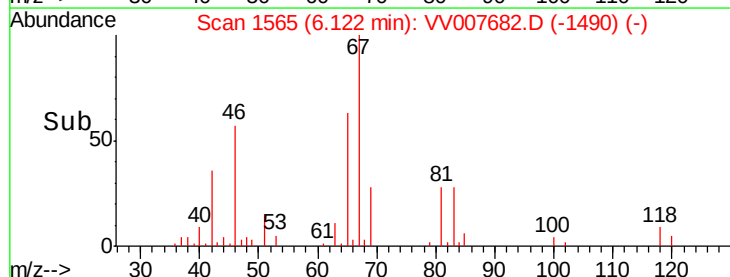
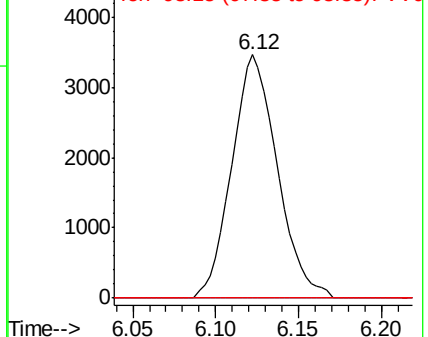
98 3.5 40.7 61.1#

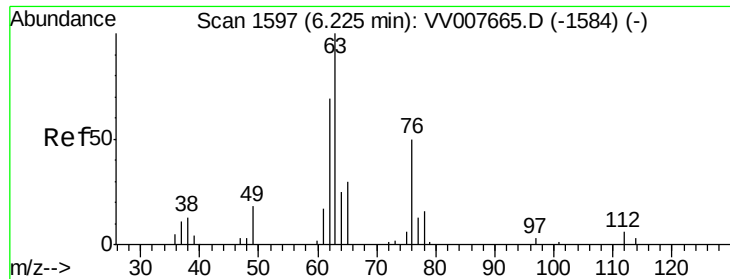


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

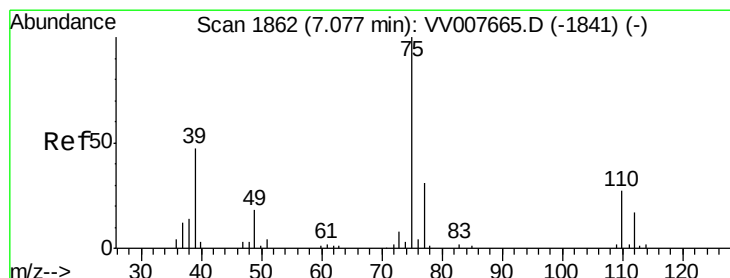
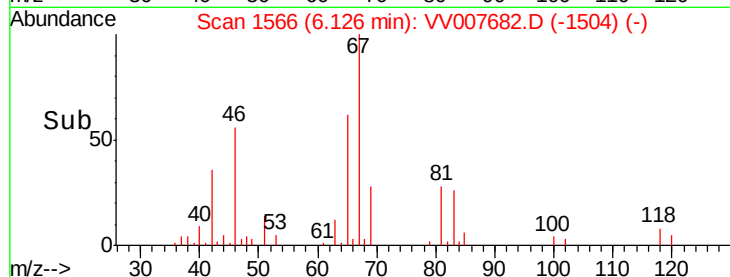
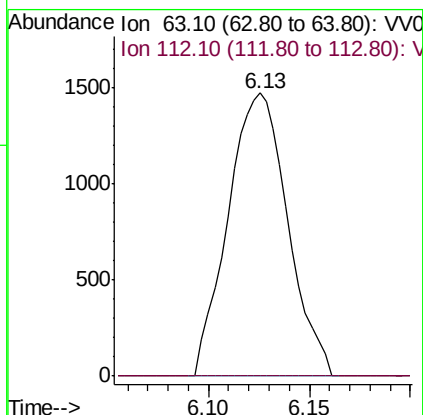
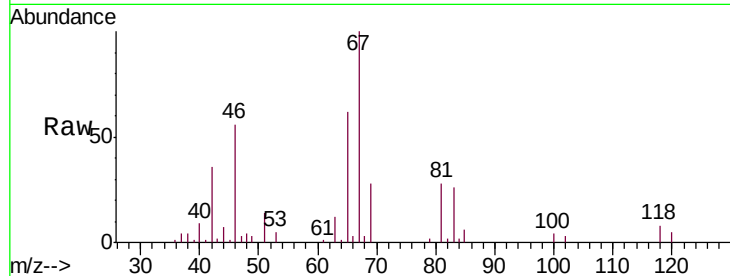




#37  
 1,2-Dichloropropane  
 Concen: 0.499 ug/L  
 RT: 6.13 min Scan# 1566  
 Delta R.T. -0.10 min  
 Lab File: VV007682.D  
 Acq: 21 Sep 2018 03:50

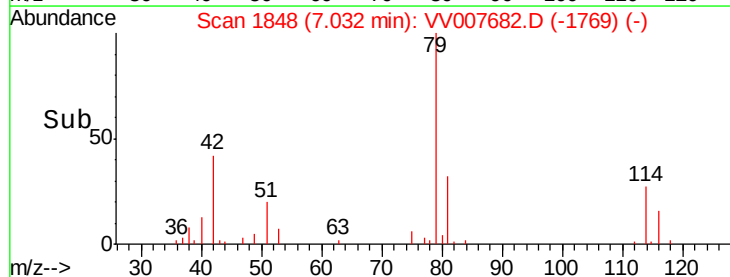
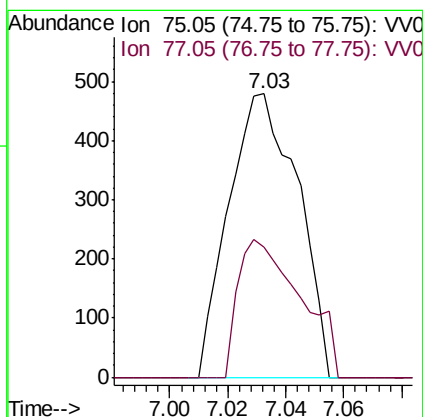
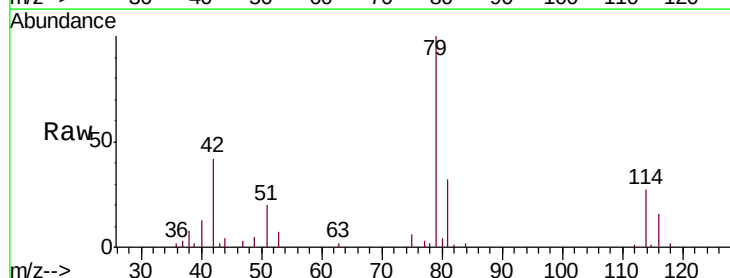
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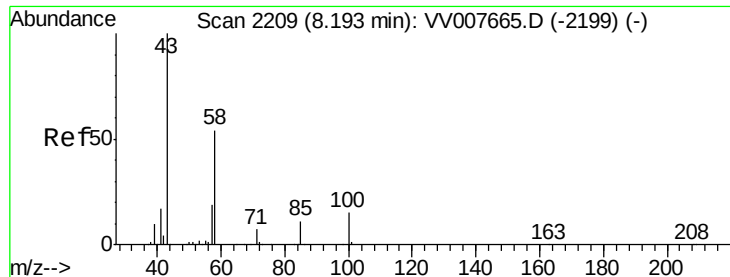
Tgt Ion: 63 Resp: 3028  
 Ion Ratio Lower Upper  
 63 100  
 112 0.0 3.9 5.9#



#39  
 cis-1,3-Dichloropropene  
 Concen: 0.090 ug/L  
 RT: 7.03 min Scan# 1848  
 Delta R.T. -0.04 min  
 Lab File: VV007682.D  
 Acq: 21 Sep 2018 03:50

Tgt Ion: 75 Resp: 791  
 Ion Ratio Lower Upper  
 75 100  
 77 46.1 22.7 42.3#

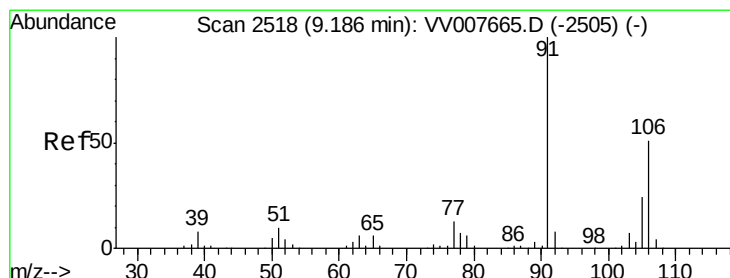
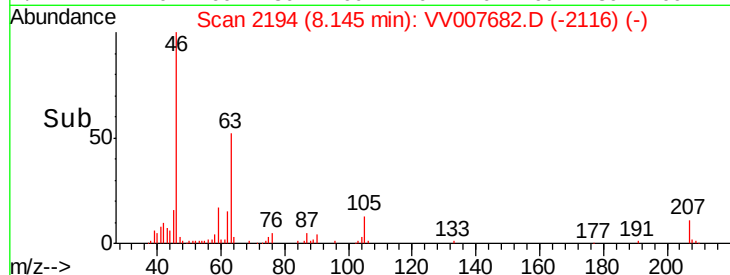
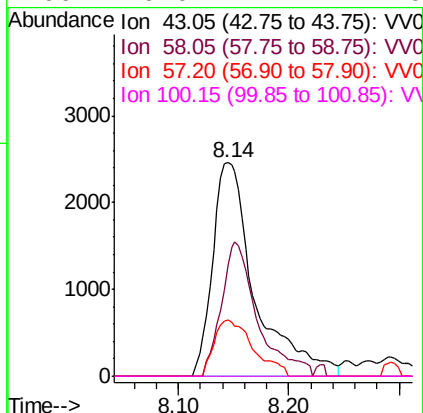
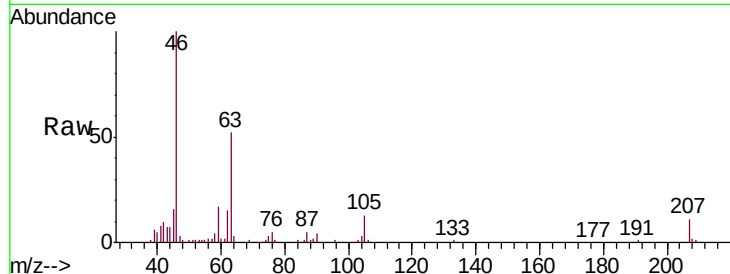




#48  
2-Hexanone  
Concen: 2.821 ug/L  
RT: 8.14 min Scan# 2194  
Delta R.T. -0.05 min  
Lab File: VV007682.D  
Acq: 21 Sep 2018 03:50

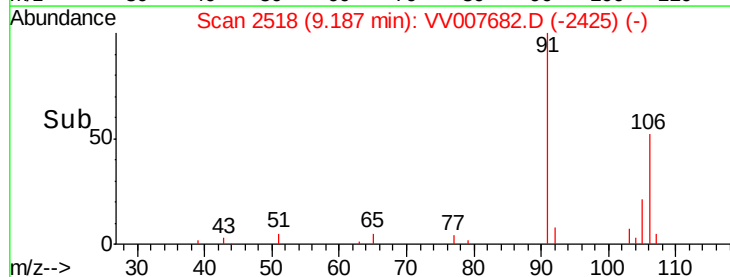
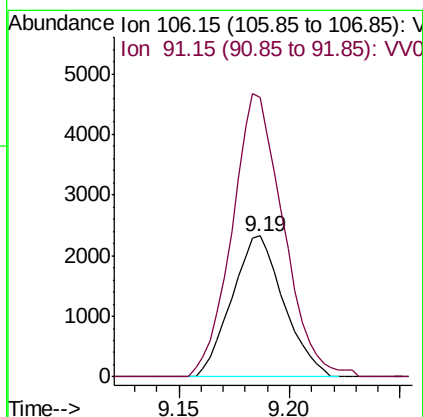
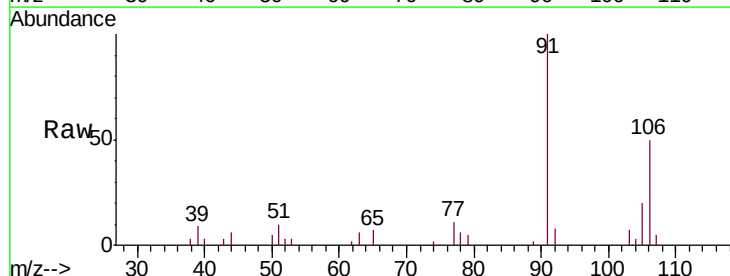
Instrument :  
MSVOA\_V  
ClientSampled :  
C0T12

Tgt Ion: 43 Resp: 6564  
Ion Ratio Lower Upper  
43 100  
58 53.3 45.3 67.9  
57 24.3 16.6 24.8  
100 0.0 11.4 17.0#

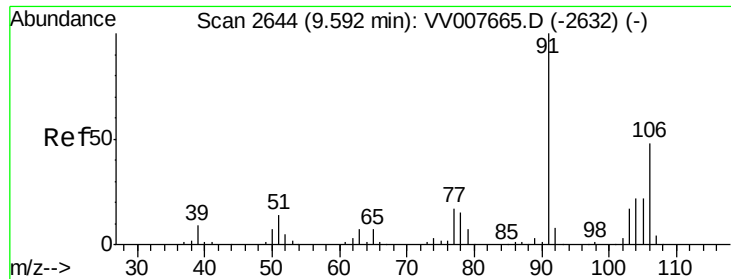


#53  
m,p-xylene  
Concen: 0.300 ug/L  
RT: 9.19 min Scan# 2518  
Delta R.T. 0.00 min  
Lab File: VV007682.D  
Acq: 21 Sep 2018 03:50

Tgt Ion: 106 Resp: 3812  
Ion Ratio Lower Upper  
106 100  
91 198.1 140.9 261.7







#54  
 o-xylene  
 Concen: 0.093 ug/L  
 RT: 9.59 min Scan# 2645  
 Delta R.T. 0.00 min  
 Lab File: VV007682.D  
 Acq: 21 Sep 2018 03:50

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0T12

Tgt Ion:106 Resp: 1161  
 Ion Ratio Lower Upper  
 106 100  
 91 196.2 143.3 266.1

