

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_V\DATA\VV072018\  
 Data File : VV006664.D  
 Acq On : 20 Jul 2018 13:44  
 Operator : SY/MD  
 Sample : J3983-12DL 4X  
 Misc : 25 mL/MSVOA\_V/WATER  
 ALS Vial : 9 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 DB187DL

Quant Time: Jul 26 02:09:37 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR071918WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Thu Jul 26 02:08:26 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 242119   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 222310   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 95427    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 83245    | 4.90     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 98.00%  |
| 7) Chloroethane-d5             | 1.58   | 69    | 61224    | 5.34     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 106.80% |
| 11) 1,1-Dichloroethene-d2      | 2.13   | 63    | 113570   | 3.48     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 69.60%  |
| 20) 2-Butanone-d5              | 3.95   | 46    | 149592   | 40.54    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 81.08%  |
| 24) Chloroform-d               | 4.41   | 84    | 141442   | 4.90     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 98.00%  |
| 26) 1,2-Dichloroethane-d4      | 5.09   | 65    | 67259    | 4.98     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 99.60%  |
| 32) Benzene-d6                 | 5.10   | 84    | 299586   | 4.96     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 99.20%  |
| 36) 1,2-Dichloropropane-d6     | 6.12   | 67    | 94165    | 5.03     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 100.60% |
| 41) Toluene-d8                 | 7.37   | 98    | 262860   | 4.68     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 93.60%  |
| 43) trans-1,3-Dichloropropene- | 7.67   | 79    | 26073    | 4.10     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 82.00%  |
| 46) 2-Hexanone-d5              | 8.14   | 63    | 135508   | 42.78    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 85.56%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27  | 84    | 63021    | 4.63     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 92.60%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.68  | 152   | 90249    | 5.26     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 105.20% |

## Target Compounds

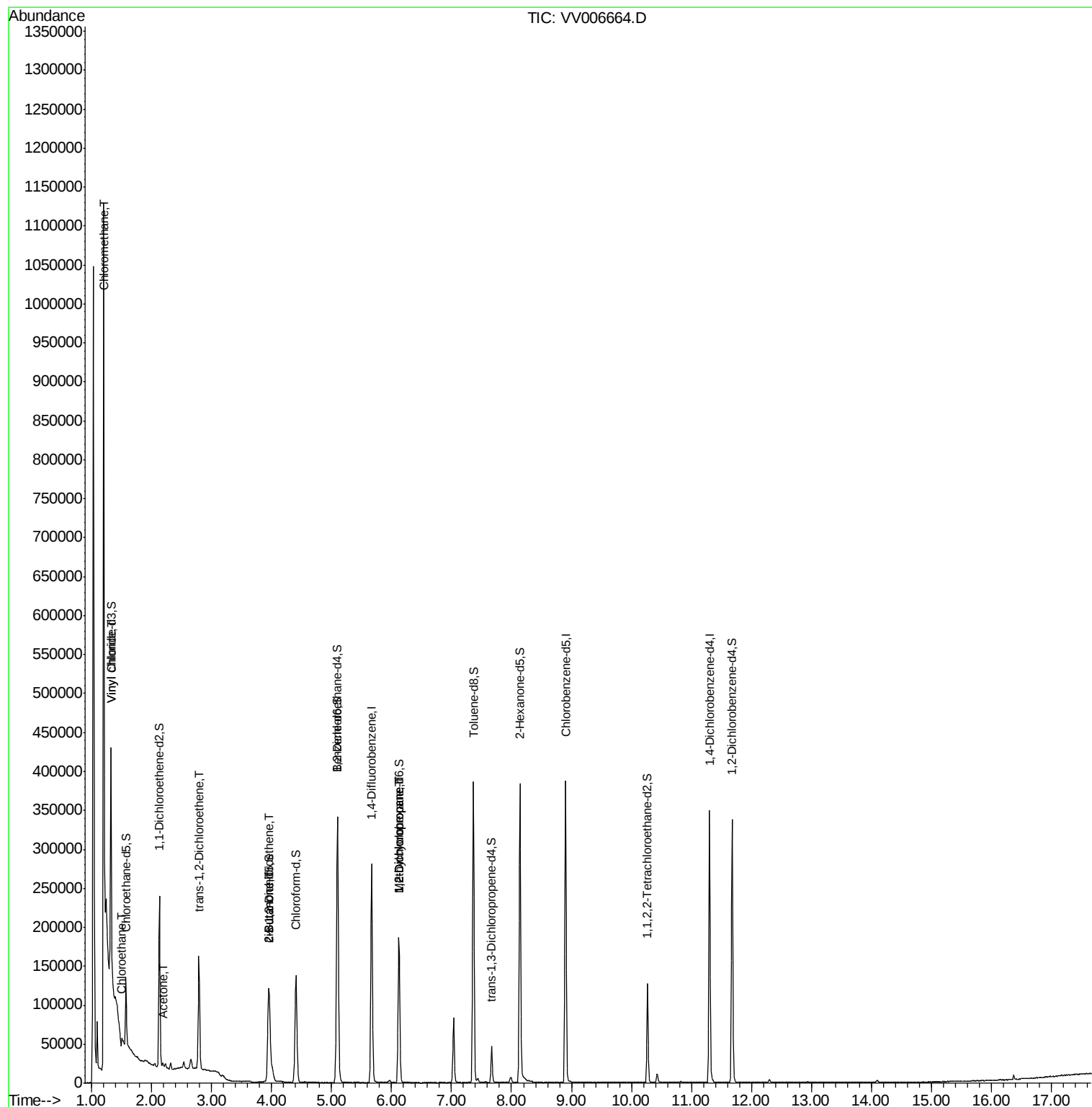
|                              |      |    |        |              | Qvalue |
|------------------------------|------|----|--------|--------------|--------|
| 3) Chloromethane             | 1.20 | 50 | 18692  | 0.960 ug/L # | 42     |
| 5) Vinyl chloride            | 1.32 | 62 | 147014 | 5.847 ug/L # | 5      |
| 8) Chloroethane              | 1.51 | 64 | 25498  | 1.765 ug/L # | 54     |
| 13) Acetone                  | 2.19 | 43 | 1737   | 0.614 ug/L   | 94     |
| 18) trans-1,2-Dichloroethene | 2.79 | 96 | 54069  | 2.737 ug/L   | 98     |
| 21) 2-Butanone               | 3.96 | 43 | 1956   | 0.413 ug/L # | 47     |
| 22) cis-1,2-Dichloroethene   | 3.97 | 96 | 18297  | 0.885 ug/L   | 98     |
| 35) Methylcyclohexane        | 6.12 | 83 | 21785  | 0.660 ug/L # | 18     |
| 37) 1,2-Dichloropropane      | 6.12 | 63 | 9579   | 0.480 ug/L # | 86     |

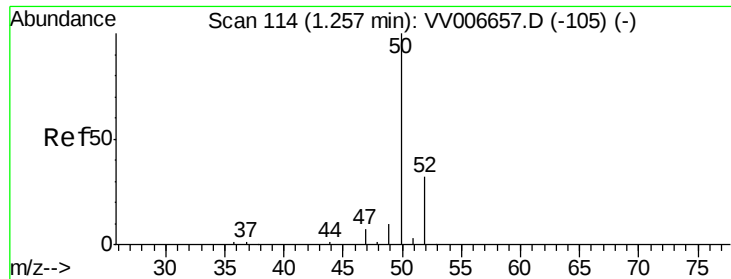
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Thu Jul 26 02:08:26 2018  
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.960 ug/L

RT: 1.20 min Scan# 97

Delta R.T. -0.05 min

Lab File: VV006664.D

Acq: 20 Jul 2018 13:44

Instrument :

MSVOA\_V

ClientSampleId :

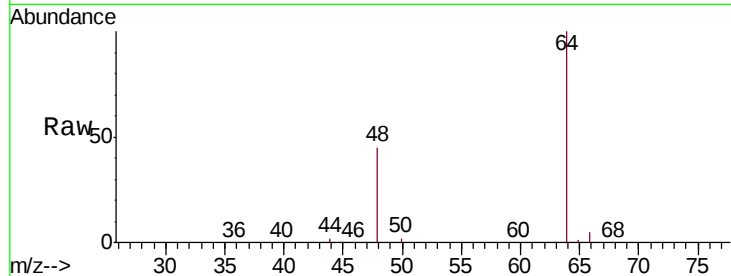
DB187DL

Tgt Ion: 50 Resp: 18692

Ion Ratio Lower Upper

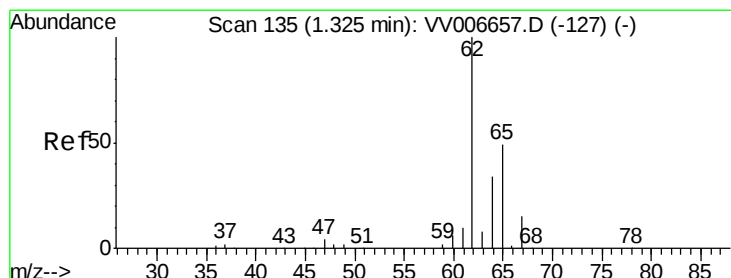
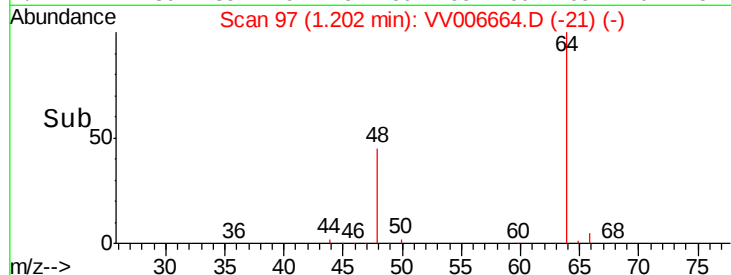
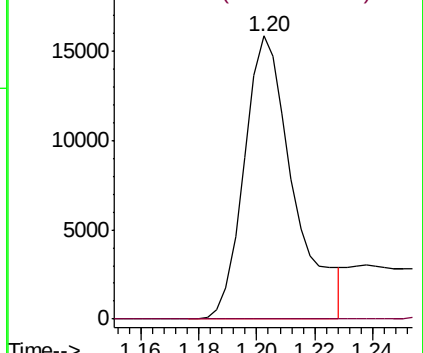
50 100

52 0.0 23.2 43.0#



Abundance Ion 50.05 (49.75 to 50.75): VV0

Ion 52.05 (51.75 to 52.75): VV0



#5

Vinyl chloride

Concen: 5.847 ug/L

RT: 1.32 min Scan# 135

Delta R.T. -0.00 min

Lab File: VV006664.D

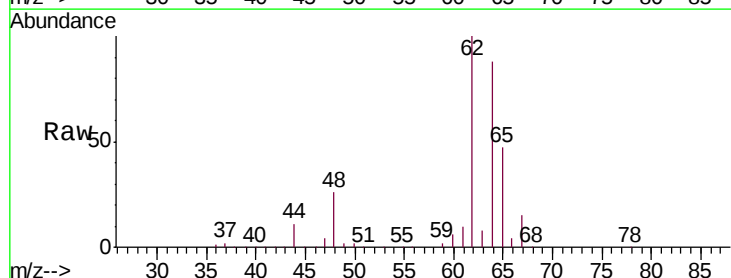
Acq: 20 Jul 2018 13:44

Tgt Ion: 62 Resp: 147014

Ion Ratio Lower Upper

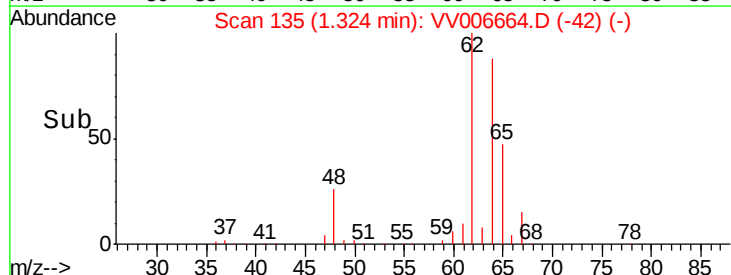
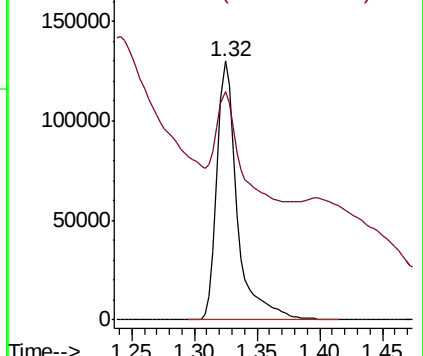
62 100

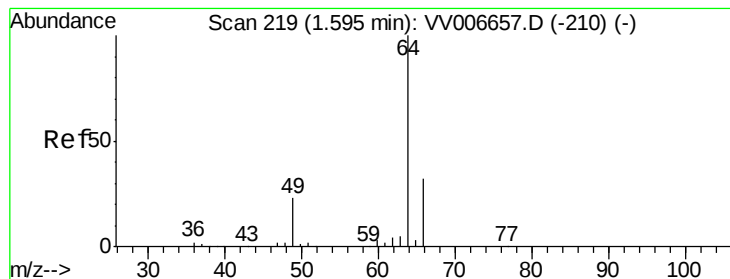
64 88.3 23.7 44.1#



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0





#8

Chloroethane

Concen: 1.765 ug/L

RT: 1.51 min Scan# 193

Delta R.T. -0.08 min

Lab File: VV006664.D

Acq: 20 Jul 2018 13:44

Instrument :

MSVOA\_V

ClientSampleId :

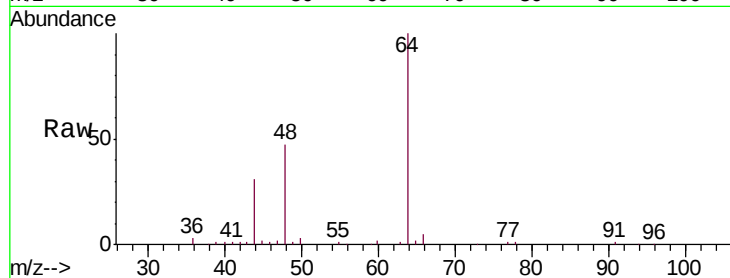
DB187DL

Tgt Ion: 64 Resp: 25498

Ion Ratio Lower Upper

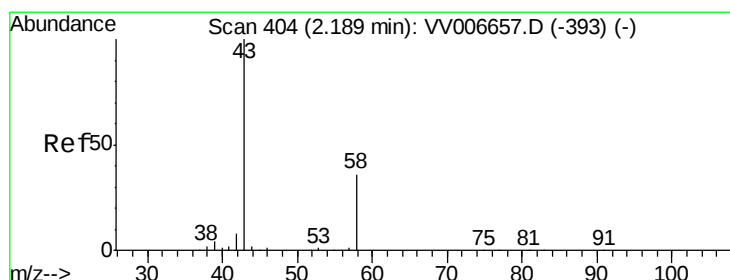
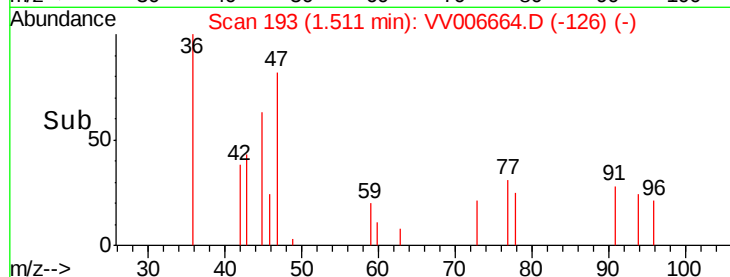
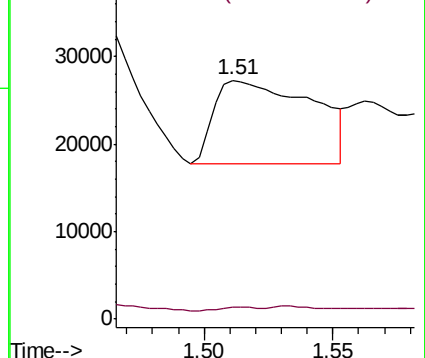
64 100

66 5.0 21.1 39.3#



Abundance Ion 64.10 (63.80 to 64.80): VV006664.D (-193) (-)

Ion 66.05 (65.75 to 66.75): VV006664.D (-193) (-)



#13

Acetone

Concen: 0.614 ug/L

RT: 2.19 min Scan# 405

Delta R.T. 0.00 min

Lab File: VV006664.D

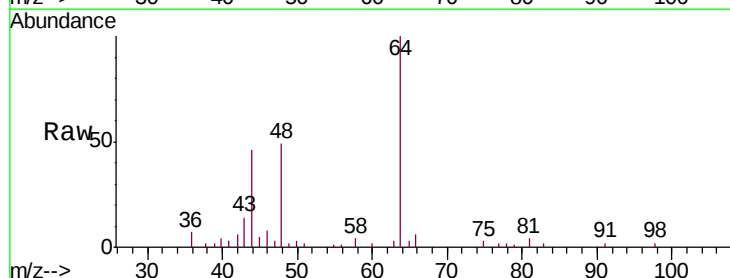
Acq: 20 Jul 2018 13:44

Tgt Ion: 43 Resp: 1737

Ion Ratio Lower Upper

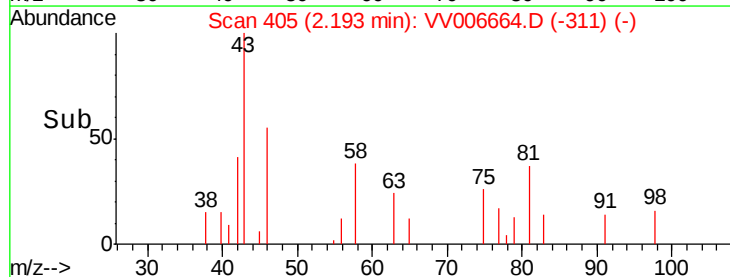
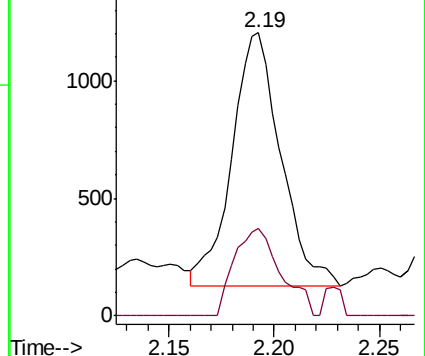
43 100

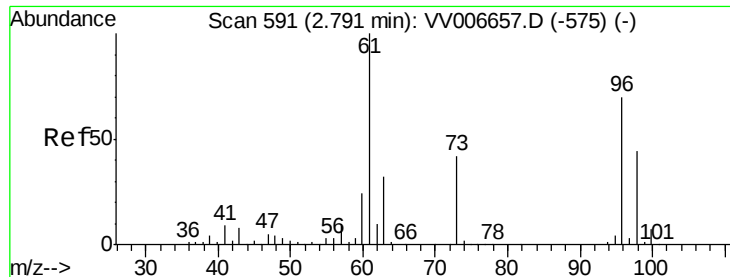
58 32.8 0.0 72.8



Abundance Ion 43.05 (42.75 to 43.75): VV006664.D (-311) (-)

Ion 58.05 (57.75 to 58.75): VV006664.D (-311) (-)

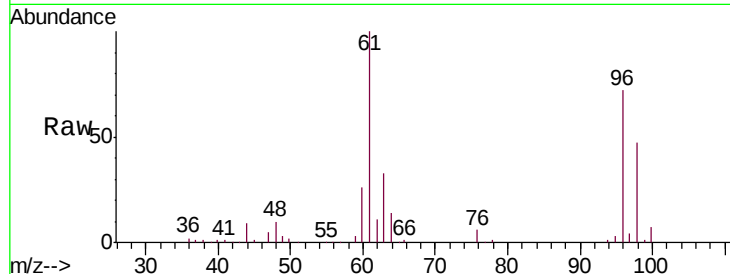




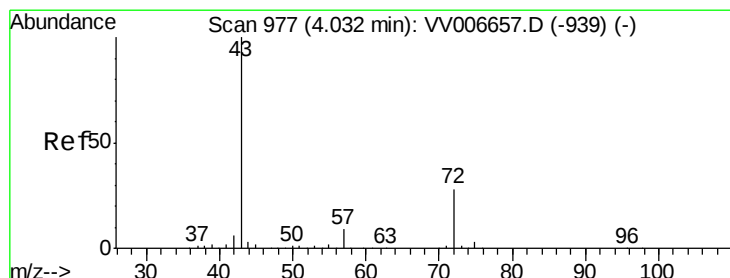
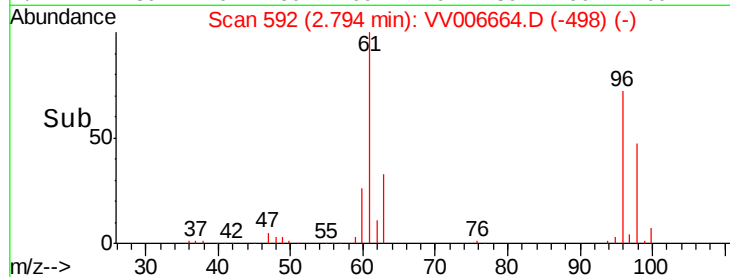
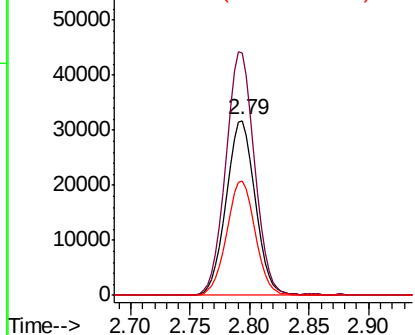
#18  
 trans-1,2-Dichloroethene  
 Concen: 2.737 ug/L  
 RT: 2.79 min Scan# 592  
 Delta R.T. 0.00 min  
 Lab File: VV006664.D  
 Acq: 20 Jul 2018 13:44

Instrument :  
 MSVOA\_V  
 ClientSampleID :  
 DB187DL

Tgt Ion: 96 Resp: 54069  
 Ion Ratio Lower Upper  
 96 100  
 61 138.2 96.0 178.4  
 98 65.1 43.5 80.9

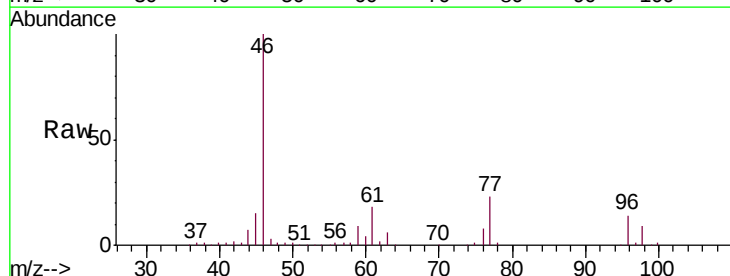


Abundance Ion 96.00 (95.70 to 96.70): VV0  
 Ion 61.05 (60.75 to 61.75): VV0  
 Ion 97.95 (97.65 to 98.65): VV0

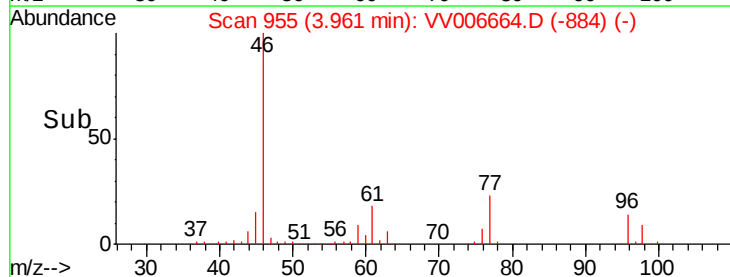
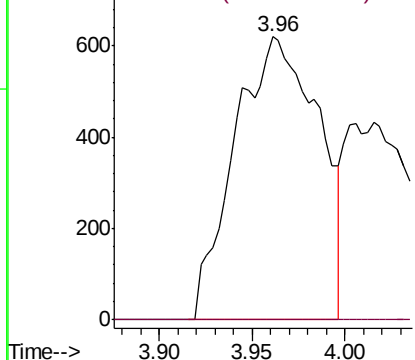


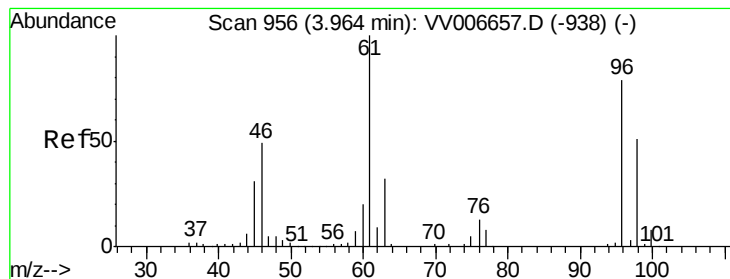
#21  
 2-Butanone  
 Concen: 0.413 ug/L  
 RT: 3.96 min Scan# 955  
 Delta R.T. -0.07 min  
 Lab File: VV006664.D  
 Acq: 20 Jul 2018 13:44

Tgt Ion: 43 Resp: 1956  
 Ion Ratio Lower Upper  
 43 100  
 72 0.0 13.9 41.6#



Abundance Ion 43.05 (42.75 to 43.75): VV0  
 Ion 72.10 (71.80 to 72.80): VV0



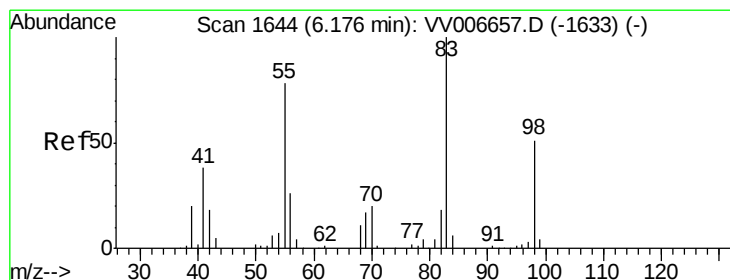
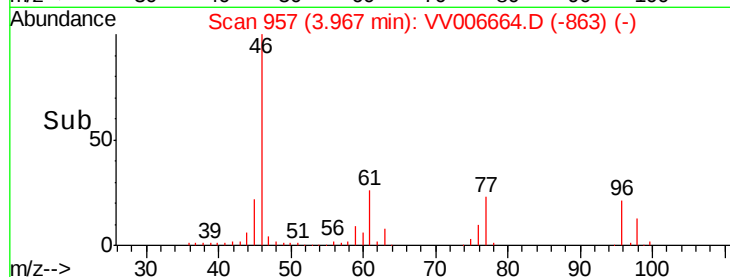
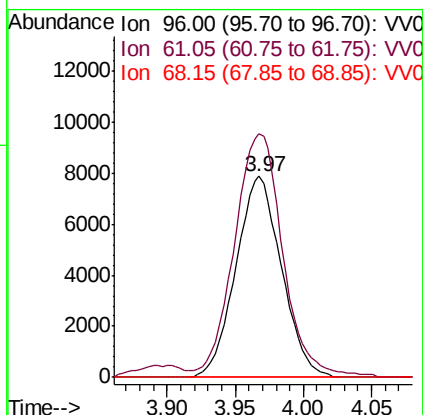
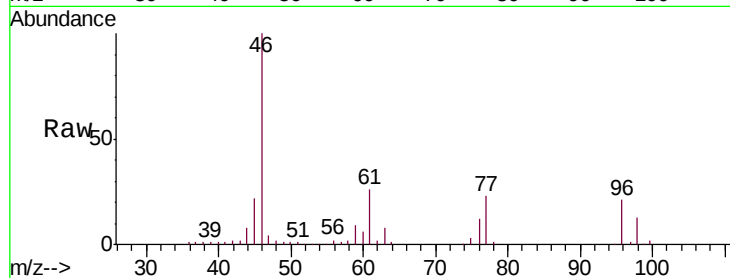


#22

cis-1,2-Dichloroethene  
 Concen: 0.885 ug/L  
 RT: 3.97 min Scan# 957  
 Delta R.T. 0.00 min  
 Lab File: VV006664.D  
 Acq: 20 Jul 2018 13:44

Instrument :  
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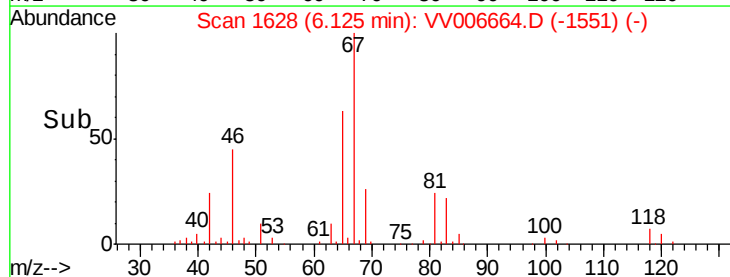
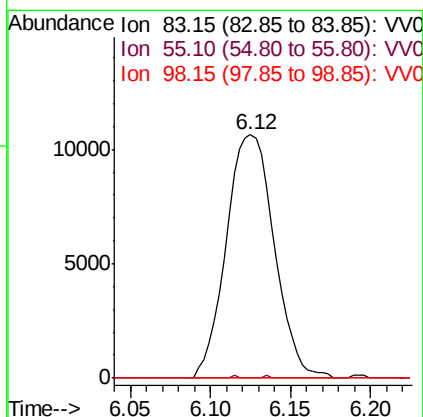
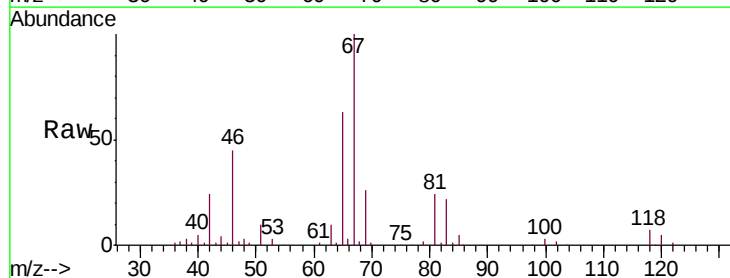
Tgt Ion: 96 Resp: 18297  
 Ion Ratio Lower Upper  
 96 100  
 61 121.2 86.2 160.0  
 68 0.0 0.0 0.0

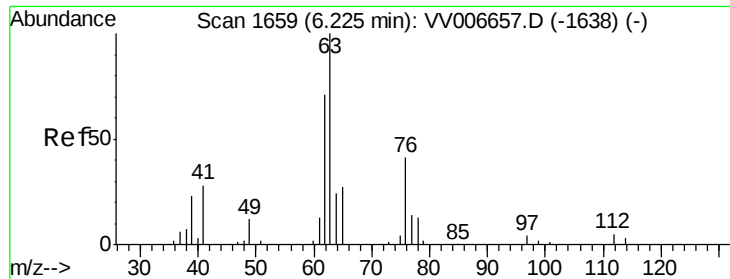


#35

Methylcyclohexane  
 Concen: 0.660 ug/L  
 RT: 6.12 min Scan# 1628  
 Delta R.T. -0.05 min  
 Lab File: VV006664.D  
 Acq: 20 Jul 2018 13:44

Tgt Ion: 83 Resp: 21785  
 Ion Ratio Lower Upper  
 83 100  
 55 0.1 61.3 91.9#  
 98 0.0 39.4 59.0#





#37  
 1,2-Dichloropropane  
 Concen: 0.480 ug/L  
 RT: 6.12 min Scan# 1627  
 Delta R.T. -0.10 min  
 Lab File: VV006664.D  
 Acq: 20 Jul 2018 13:44

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 DB187DL

Tgt Ion: 63 Resp: 9579  
 Ion Ratio Lower Upper  
 63 100  
 112 0.0 3.6 5.4#

