

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_V\DATA\VV061518\  
 Data File : VV006302.D  
 Acq On : 16 Jun 2018 01:23  
 Operator : SY/MD  
 Sample : J3473-13  
 Misc : 25 mL/MSVOA\_V/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0KB8

Quant Time: Jun 16 05:16:08 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR053118WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Sat Jun 16 00:57:31 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 269724   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 240004   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 108659   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 65189    | 4.43     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 88.60%   |
| 7) Chloroethane-d5             | 1.58   | 69    | 64901    | 5.50     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 110.00%  |
| 11) 1,1-Dichloroethene-d2      | 2.13   | 63    | 104791   | 3.66     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 73.20%   |
| 20) 2-Butanone-d5              | 3.96   | 46    | 210292   | 67.23    | ug/L | -0.02    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 134.46%# |
| 24) Chloroform-d               | 4.41   | 84    | 144974   | 5.08     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 101.60%  |
| 26) 1,2-Dichloroethane-d4      | 5.09   | 65    | 75966    | 5.51     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 110.20%  |
| 32) Benzene-d6                 | 5.11   | 84    | 288229   | 5.00     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 100.00%  |
| 36) 1,2-Dichloropropane-d6     | 6.12   | 67    | 92919    | 5.36     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 107.20%  |
| 41) Toluene-d8                 | 7.37   | 98    | 245653   | 4.47     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 89.40%   |
| 43) trans-1,3-Dichloropropene- | 7.67   | 79    | 25898    | 3.34     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 66.80%   |
| 46) 2-Hexanone-d5              | 8.14   | 63    | 161732   | 48.28    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 96.56%   |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27  | 84    | 65291    | 5.20     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 104.00%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.68  | 152   | 100074   | 5.31     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 106.20%  |

## Target Compounds

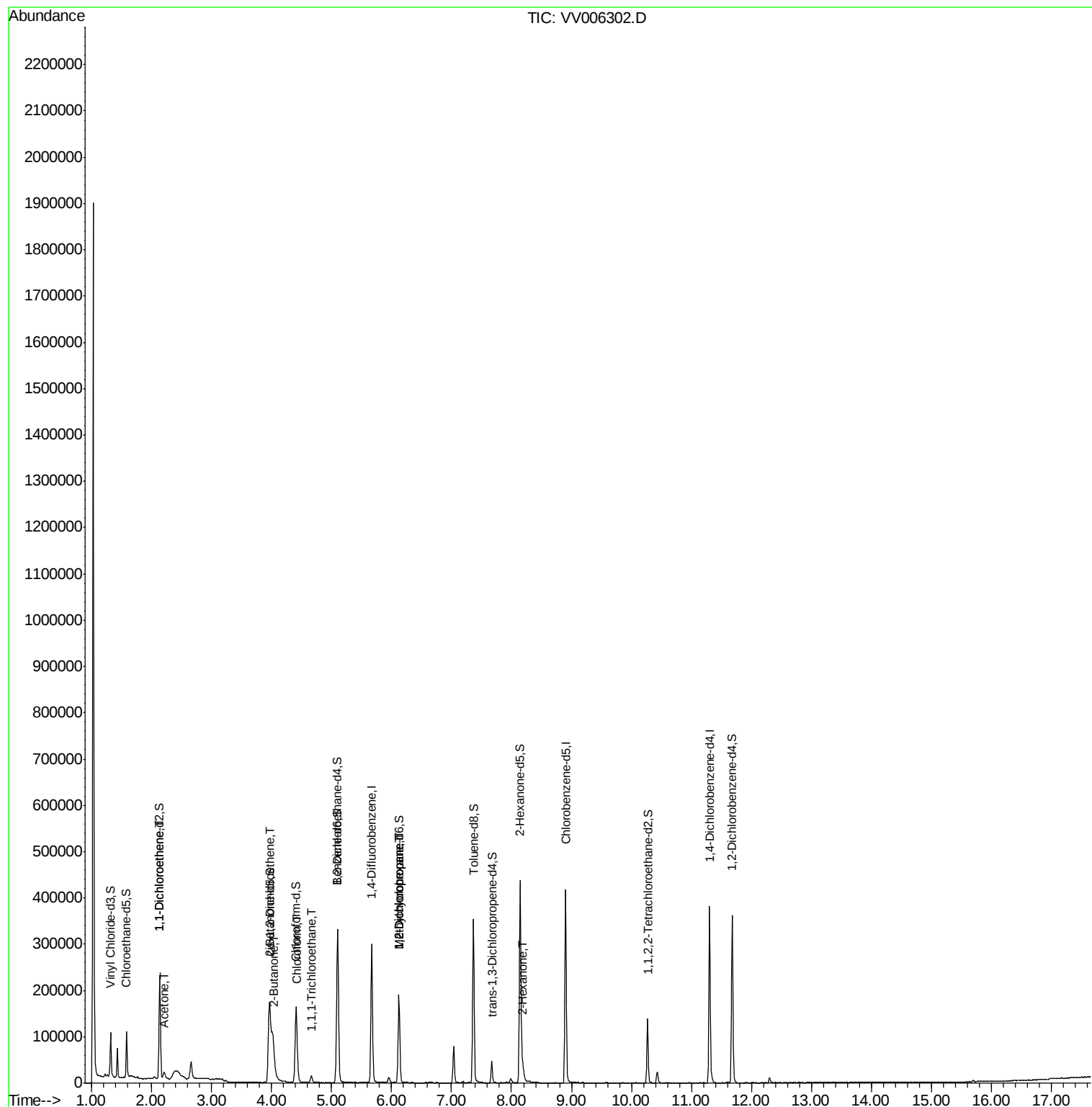
| Target Compounds           | R.T. | QIon | Response | Conc   | Units  | Qvalue |
|----------------------------|------|------|----------|--------|--------|--------|
| 12) 1,1-Dichloroethene     | 2.14 | 96   | 23565    | 1.522  | ug/L # | 29     |
| 13) Acetone                | 2.21 | 43   | 17774    | 10.486 | ug/L   | 100    |
| 21) 2-Butanone             | 4.05 | 43   | 20506    | 6.650  | ug/L   | 87     |
| 22) cis-1,2-Dichloroethene | 3.97 | 96   | 35168    | 1.925  | ug/L # | 98     |
| 25) Chloroform             | 4.43 | 83   | 7042     | 0.240  | ug/L   | 92     |
| 29) 1,1,1-Trichloroethane  | 4.67 | 97   | 10674    | 0.403  | ug/L   | 98     |
| 35) Methylcyclohexane      | 6.12 | 83   | 22449    | 0.723  | ug/L # | 20     |
| 37) 1,2-Dichloropropane    | 6.12 | 63   | 9697     | 0.612  | ug/L # | 85     |
| 48) 2-Hexanone             | 8.19 | 43   | 16776    | 2.911  | ug/L # | 86     |

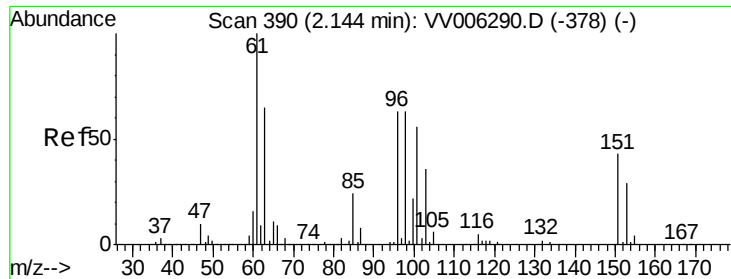
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 1 Sample Multiplier: 1

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ClientSampleId :  
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Quant Time: Jun 16 05:16:08 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR053118WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Sat Jun 16 00:57:31 2018  
Response via : Initial Calibration





#12

1,1-Dichloroethene

Concen: 1.522 ug/L

RT: 2.14 min Scan# 390

Delta R.T. 0.00 min

Lab File: VV006302.D

Acq: 16 Jun 2018 01:23

Instrument :

MSVOA\_V

ClientSampleId :

C0KB8

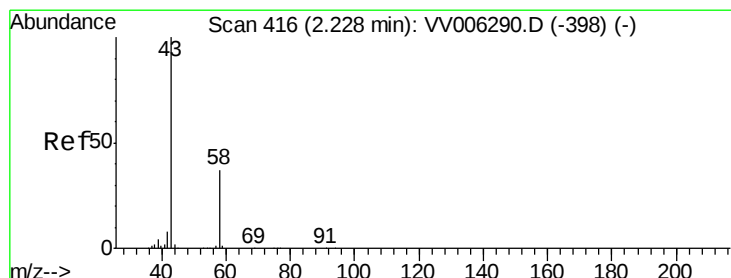
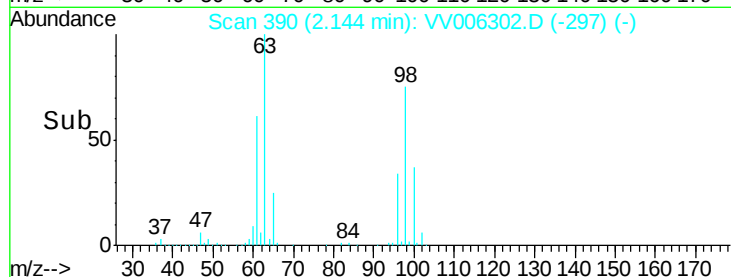
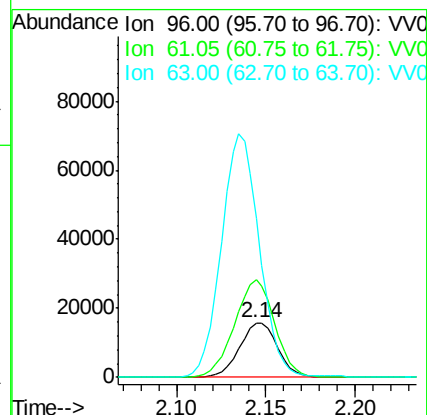
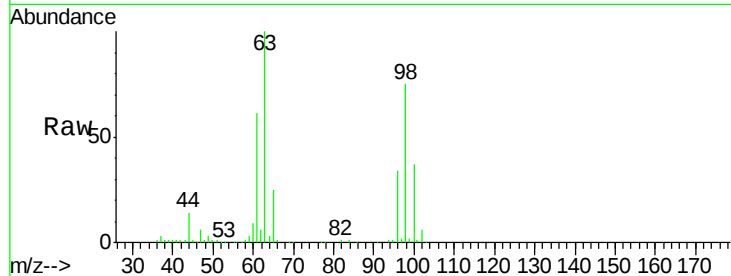
Tgt Ion: 96 Resp: 23565

Ion Ratio Lower Upper

96 100

61 177.7 114.2 212.2

63 290.6 85.0 157.8#



#13

Acetone

Concen: 10.486 ug/L

RT: 2.21 min Scan# 411

Delta R.T. -0.02 min

Lab File: VV006302.D

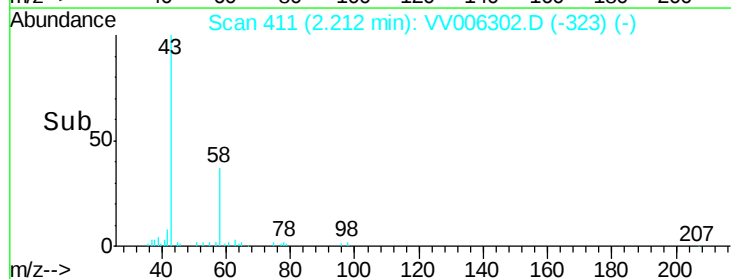
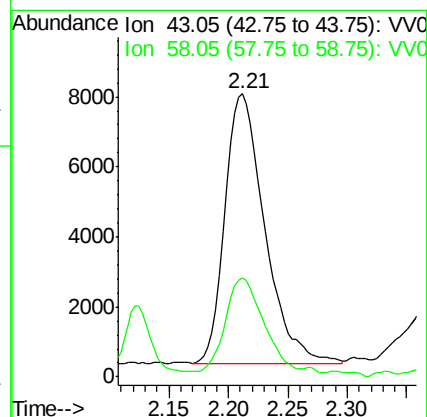
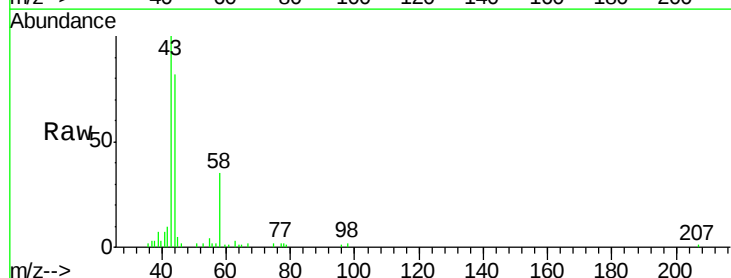
Acq: 16 Jun 2018 01:23

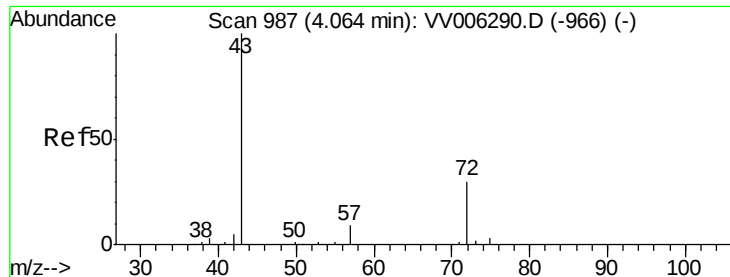
Tgt Ion: 43 Resp: 17774

Ion Ratio Lower Upper

43 100

58 33.5 0.0 67.4





#21

2-Butanone

Concen: 6.650 ug/L

RT: 4.05 min Scan# 983

Delta R.T. -0.01 min

Lab File: VV006302.D

Acq: 16 Jun 2018 01:23

Instrument :

MSVOA\_V

ClientSampleId :

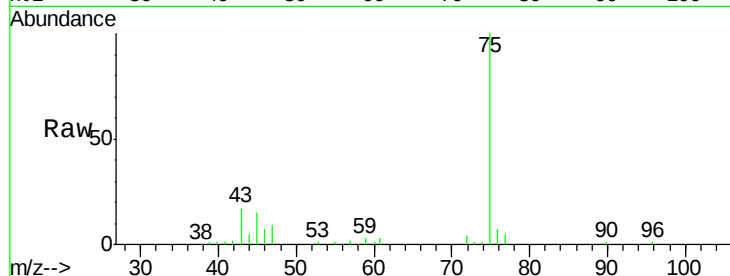
C0KB8

Tgt Ion: 43 Resp: 20506

Ion Ratio Lower Upper

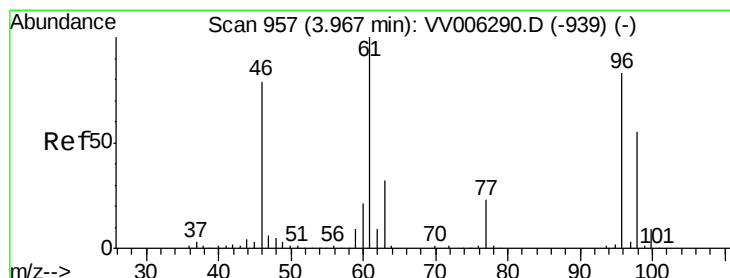
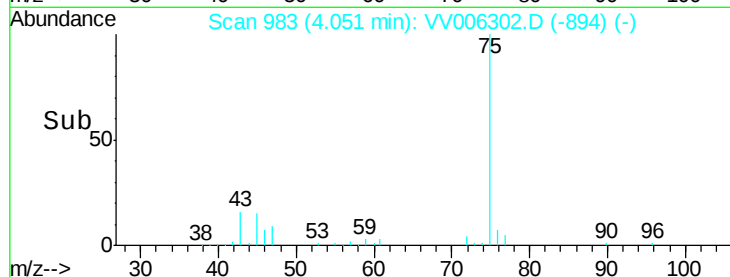
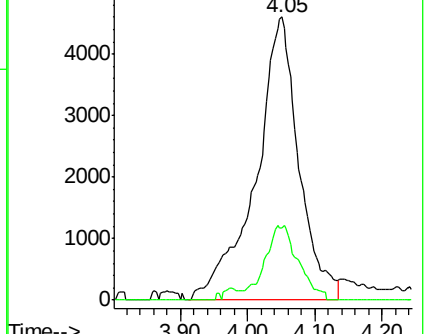
43 100

72 20.5 13.8 41.3



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: 1.925 ug/L

RT: 3.97 min Scan# 958

Delta R.T. 0.00 min

Lab File: VV006302.D

Acq: 16 Jun 2018 01:23

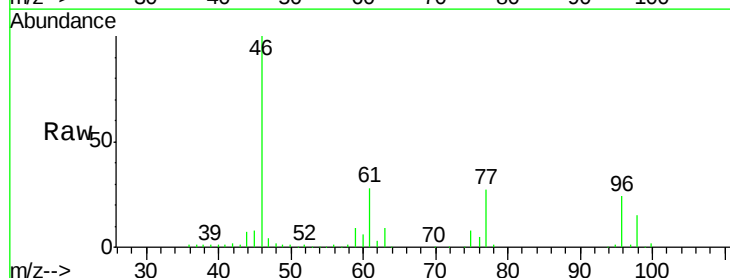
Tgt Ion: 96 Resp: 35168

Ion Ratio Lower Upper

96 100

61 118.2 84.1 156.3

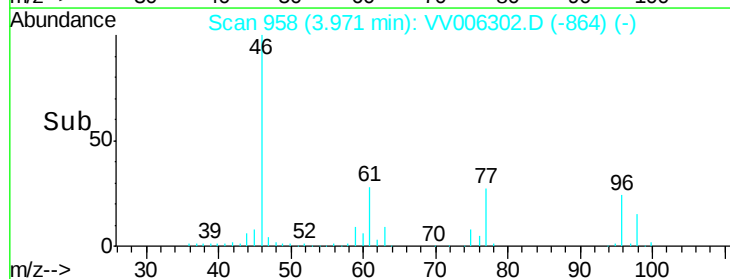
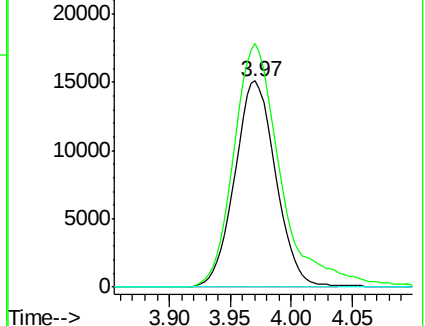
68 0.0 0.3 0.5#

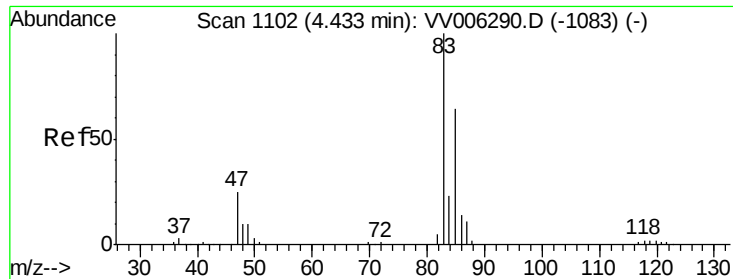


Abundance Ion 96.00 (95.70 to 96.70): VV0

Ion 61.05 (60.75 to 61.75): VV0

Ion 68.15 (67.85 to 68.85): VV0

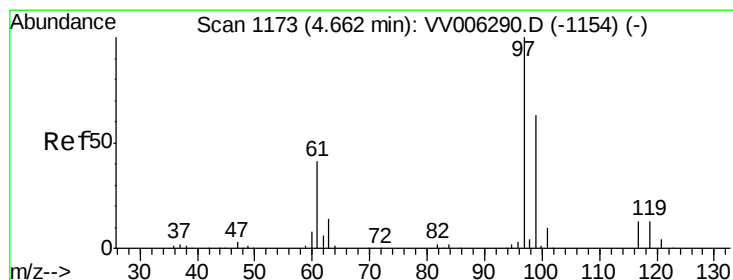
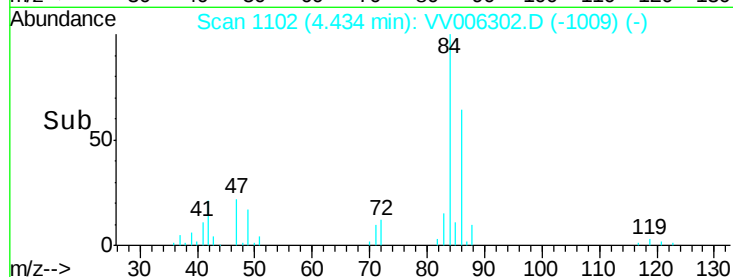
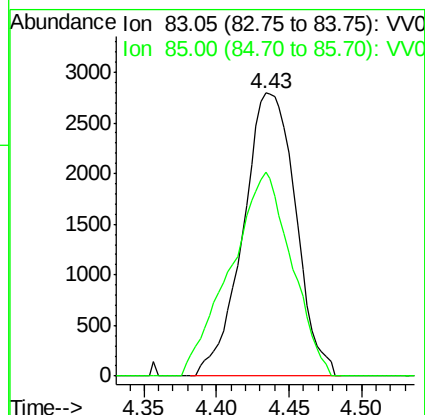
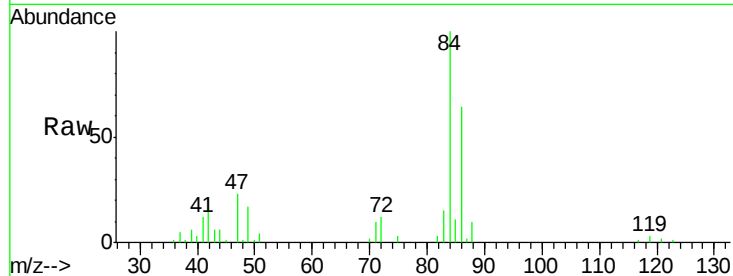




#25  
Chloroform  
Concen: 0.240 ug/L  
RT: 4.43 min Scan# 1102  
Delta R.T. 0.00 min  
Lab File: VV006302.D  
Acq: 16 Jun 2018 01:23

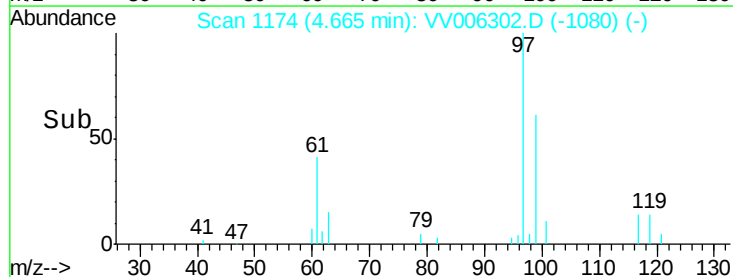
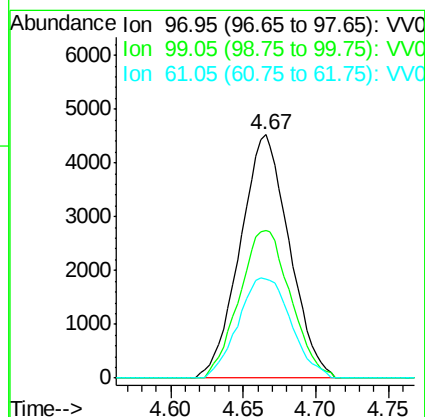
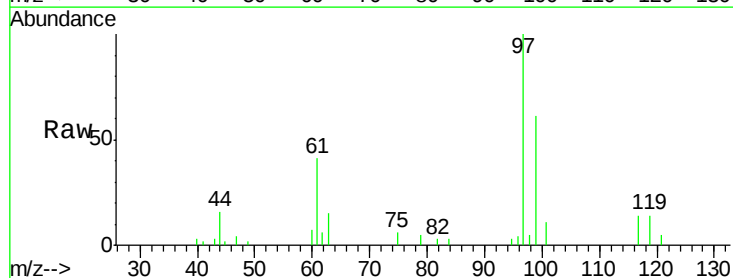
Instrument :  
MSVOA\_V  
ClientSampled :  
C0KB8

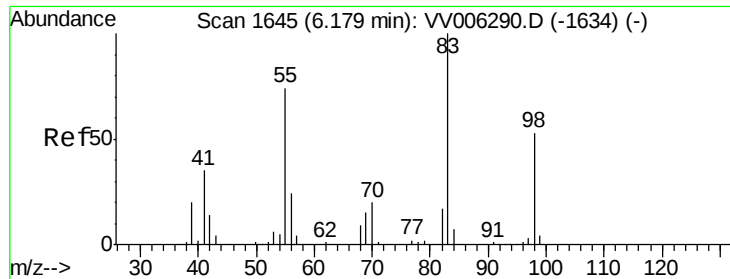
Tgt Ion: 83 Resp: 7042  
Ion Ratio Lower Upper  
83 100  
85 72.1 46.2 85.8



#29  
1,1,1-Trichloroethane  
Concen: 0.403 ug/L  
RT: 4.67 min Scan# 1174  
Delta R.T. 0.00 min  
Lab File: VV006302.D  
Acq: 16 Jun 2018 01:23

Tgt Ion: 97 Resp: 10674  
Ion Ratio Lower Upper  
97 100  
99 63.1 51.5 77.3  
61 44.0 33.7 50.5

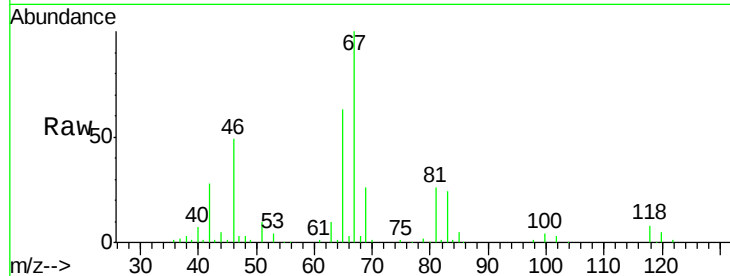




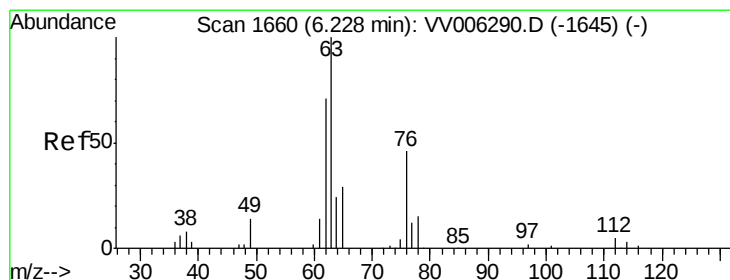
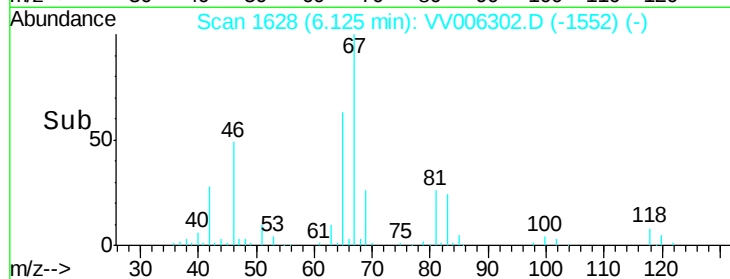
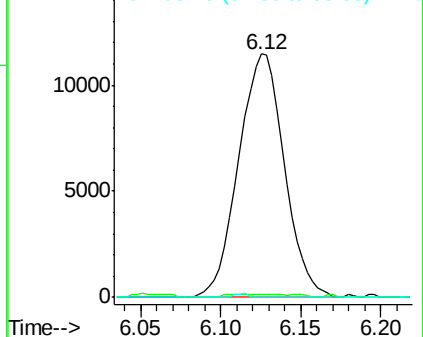
#35  
Methylcyclohexane  
Concen: 0.723 ug/L  
RT: 6.12 min Scan# 1628  
Delta R.T. -0.05 min  
Lab File: VV006302.D  
Acq: 16 Jun 2018 01:23

Instrument :  
MSVOA\_V  
ClientSampleId :  
C0KB8

Tgt Ion: 83 Resp: 22449  
Ion Ratio Lower Upper  
83 100  
55 1.0 57.5 86.3#  
98 0.4 39.8 59.8#

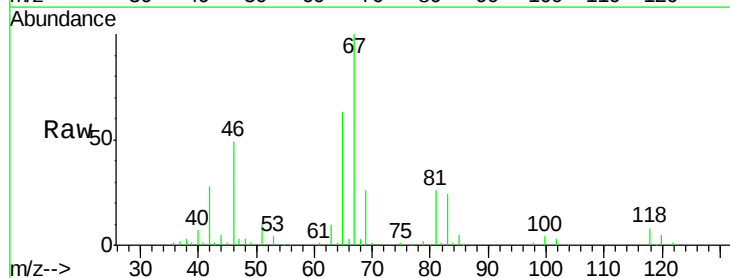


Abundance Ion 83.15 (82.85 to 83.85): VV0  
Ion 55.10 (54.80 to 55.80): VV0  
Ion 98.15 (97.85 to 98.85): VV0

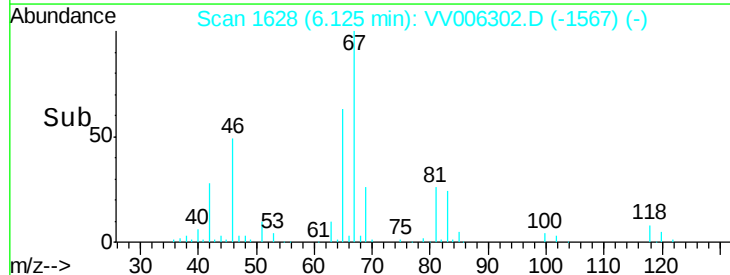
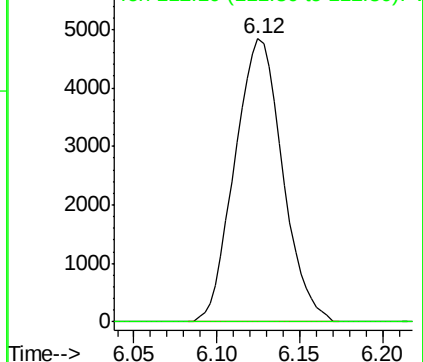


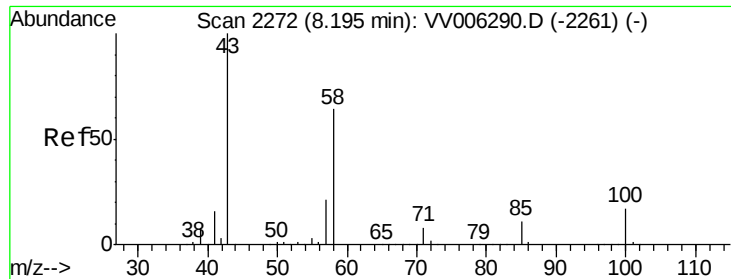
#37  
1,2-Dichloropropane  
Concen: 0.612 ug/L  
RT: 6.12 min Scan# 1628  
Delta R.T. -0.10 min  
Lab File: VV006302.D  
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Tgt Ion: 63 Resp: 9697  
Ion Ratio Lower Upper  
63 100  
112 0.0 4.1 6.1#



Abundance Ion 63.10 (62.80 to 63.80): VV0  
Ion 112.10 (111.80 to 112.80): V





#48

2-Hexanone

Concen: 2.911 ug/L

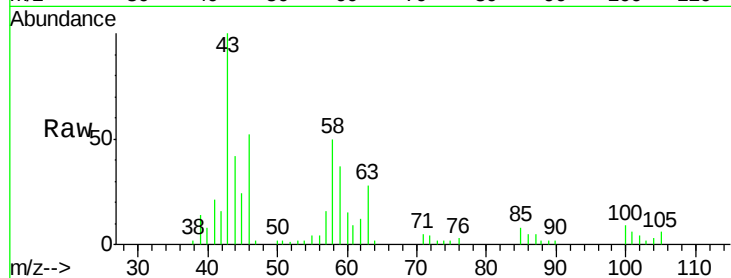
RT: 8.19 min Scan# 2271

Delta R.T. -0.00 min

Lab File: VV006302.D

Acq: 16 Jun 2018 01:23

Instrument :  
MSVOA\_V  
ClientSampleId :  
C0KB8



|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 16776 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 50.3  | 48.6  | 72.8  |
| 57       | 16.9  | 17.5  | 26.3# |
| 100      | 7.3   | 12.6  | 18.8# |

