

Data File : VR025643.D  
Acq On : 24 Aug 2018 19:42  
Operator : SY/MD  
Sample : J4643-03  
Misc : 25mL/MSVOA\_R/WATER  
ALS Vial : 15 Sample Multiplier: 1

Instrument :  
MSVOA\_R  
ClientSampleId :  
H0K12

Quant Time: Aug 24 23:06:54 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_R\METHODS\SOMRTR082118WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Fri Aug 24 23:05:03 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.46  | 114  | 571392   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.29 | 117  | 461874   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.22 | 152  | 147510   | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 2.16   | 65    | 139574   | 3.75     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 75.00%   |
| 7) Chloroethane-d5             | 2.62   | 69    | 127002   | 3.96     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 79.20%   |
| 11) 1,1-Dichloroethene-d2      | 3.63   | 63    | 259530   | 2.82     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 56.40%#  |
| 20) 2-Butanone-d5              | 6.59   | 46    | 215156   | 75.92    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 151.84%# |
| 24) Chloroform-d               | 7.20   | 84    | 275970   | 4.23     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 84.60%   |
| 26) 1,2-Dichloroethane-d4      | 7.89   | 65    | 102753   | 4.52     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 90.40%   |
| 32) Benzene-d6                 | 7.85   | 84    | 683581   | 4.53     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 90.60%   |
| 36) 1,2-Dichloropropane-d6     | 8.90   | 67    | 193351   | 5.02     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 100.40%  |
| 41) Toluene-d8                 | 9.97   | 98    | 593716   | 4.34     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 86.80%   |
| 43) trans-1,3-Dichloropropene- | 10.24  | 79    | 38542    | 4.24     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 84.80%   |
| 46) 2-Hexanone-d5              | 10.59  | 63    | 201413   | 67.76    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 135.52%# |
| 57) 1,1,2,2-Tetrachloroethane- | 12.36  | 84    | 79404    | 4.47     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 89.40%   |
| 64) 1,2-Dichlorobenzene-d4     | 13.51  | 152   | 131884   | 5.59     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 111.80%  |

#### Target Compounds

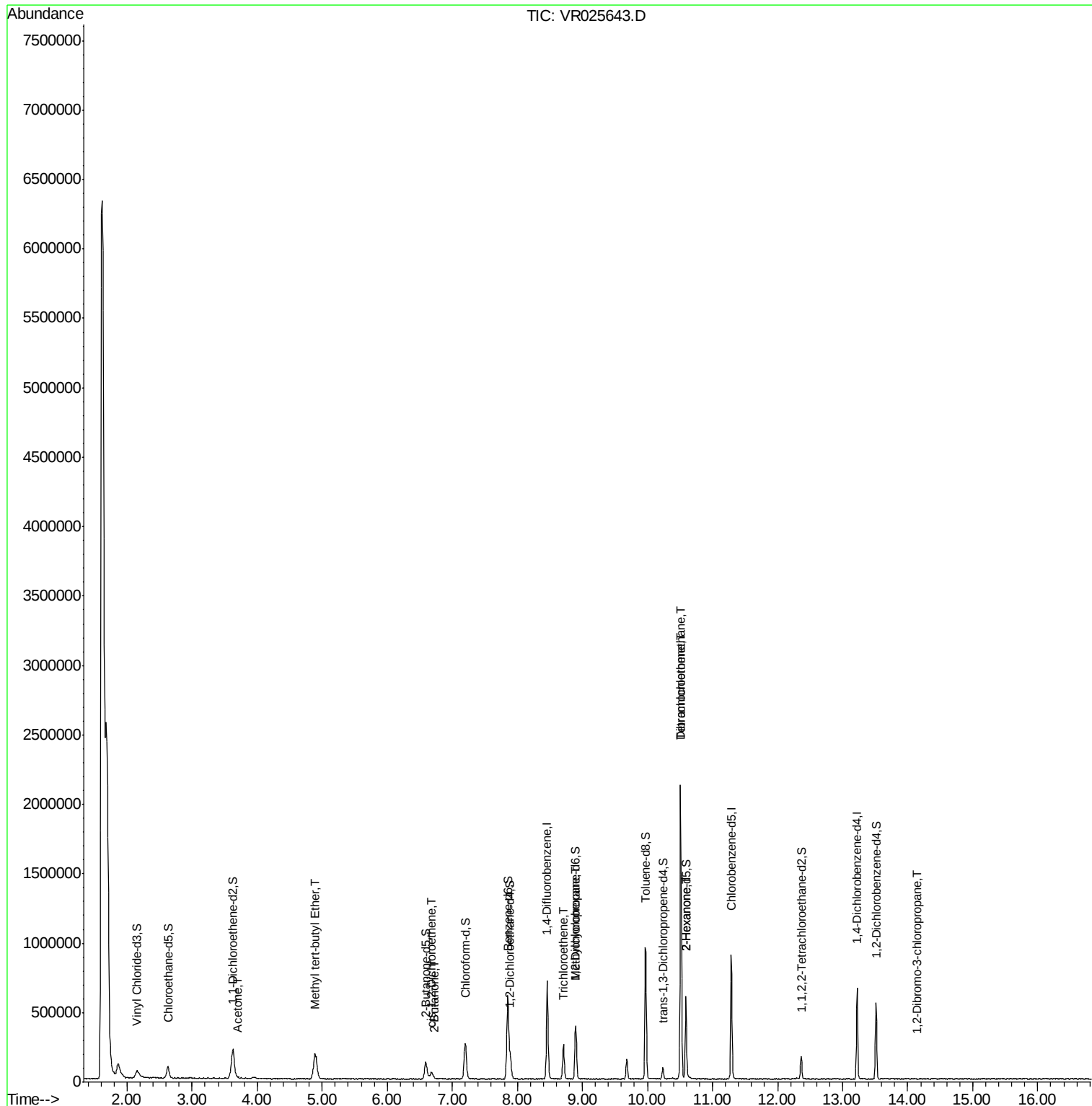
|                                |       |     |        |        | Qvalue    |
|--------------------------------|-------|-----|--------|--------|-----------|
| 13) Acetone                    | 3.70  | 43  | 3558   | 2.015  | ug/L 98   |
| 17) Methyl tert-butyl Ether    | 4.89  | 73  | 310151 | 6.741  | ug/L 98   |
| 21) 2-Butanone                 | 6.73  | 43  | 1013   | 0.291  | ug/L 99   |
| 22) cis-1,2-Dichloroethene     | 6.68  | 96  | 22381  | 0.550  | ug/L # 80 |
| 34) Trichloroethene            | 8.71  | 95  | 85991  | 2.226  | ug/L 91   |
| 35) Methylcyclohexane          | 8.90  | 83  | 41857  | 0.666  | ug/L # 23 |
| 47) Tetrachloroethene          | 10.52 | 164 | 447526 | 15.147 | ug/L 95   |
| 48) 2-Hexanone                 | 10.59 | 43  | 20306  | 3.248  | ug/L # 68 |
| 49) Dibromochloromethane       | 10.51 | 129 | 383010 | 21.756 | ug/L # 13 |
| 66) 1,2-Dibromo-3-chloropropan | 14.15 | 75  | 270    | 0.254  | ug/L # 24 |

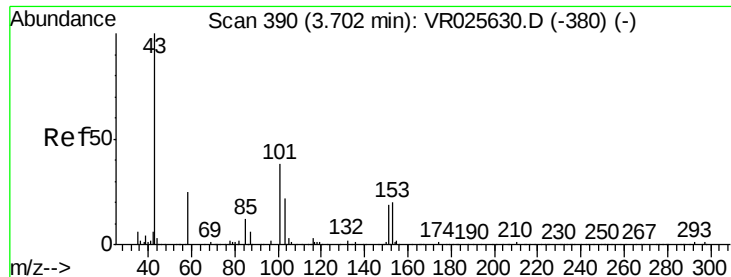
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#13

Acetone

Concen: 2.015 ug/L

RT: 3.70 min Scan# 390

Delta R.T. 0.00 min

Lab File: VR025643.D

Acq: 24 Aug 2018 19:42

Instrument :

MSVOA\_R

ClientSampleId :

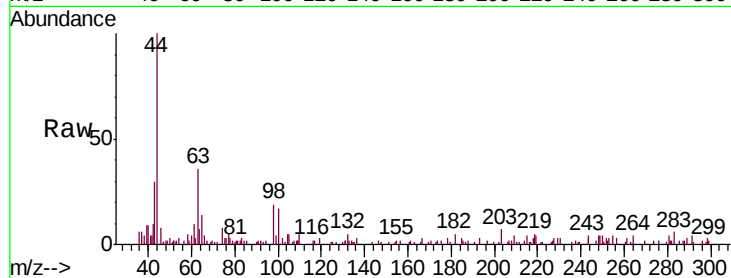
H0K12

Tgt Ion: 43 Resp: 3558

Ion Ratio Lower Upper

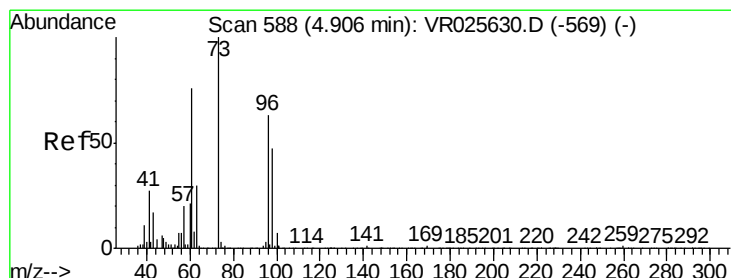
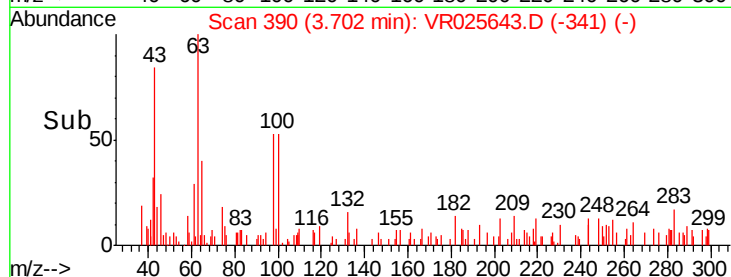
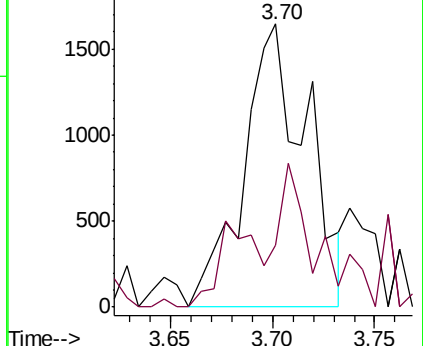
43 100

58 30.9 0.0 63.4



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0



#17

Methyl tert-butyl Ether

Concen: 6.741 ug/L

RT: 4.89 min Scan# 586

Delta R.T. 0.00 min

Lab File: VR025643.D

Acq: 24 Aug 2018 19:42

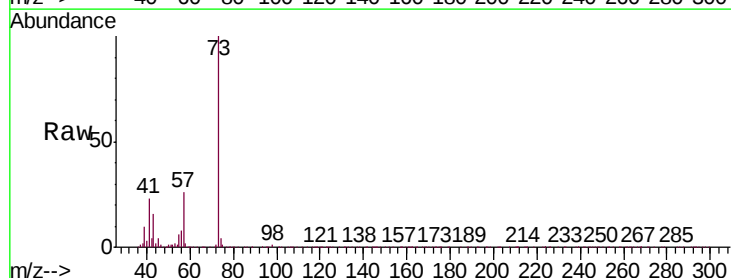
Tgt Ion: 73 Resp: 310151

Ion Ratio Lower Upper

73 100

43 17.0 14.8 22.2

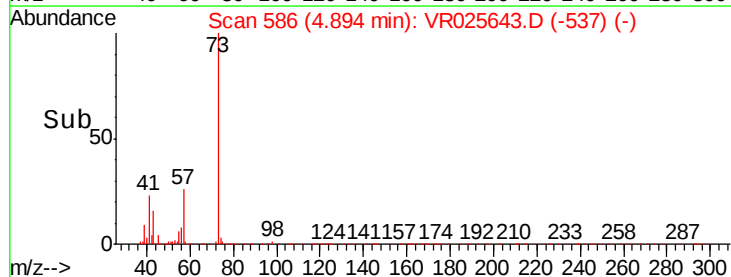
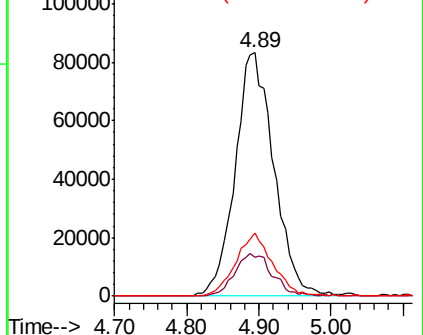
57 24.3 19.9 29.9

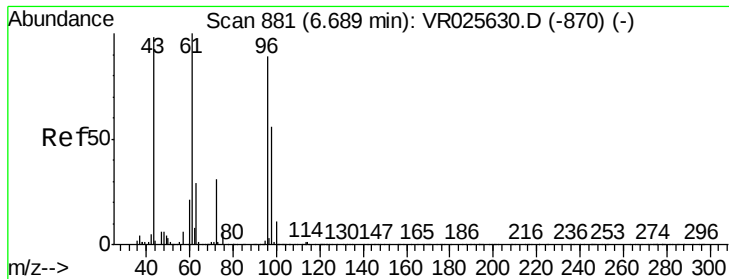


Abundance Ion 73.10 (72.80 to 73.80): VR0

Ion 43.05 (42.75 to 43.75): VR0

Ion 57.10 (56.80 to 57.80): VR0





#21

2-Butanone

Concen: 0.291 ug/L

RT: 6.73 min Scan# 887

Delta R.T. 0.04 min

Lab File: VR025643.D

Acq: 24 Aug 2018 19:42

Instrument :

MSVOA\_R

ClientSampleId :

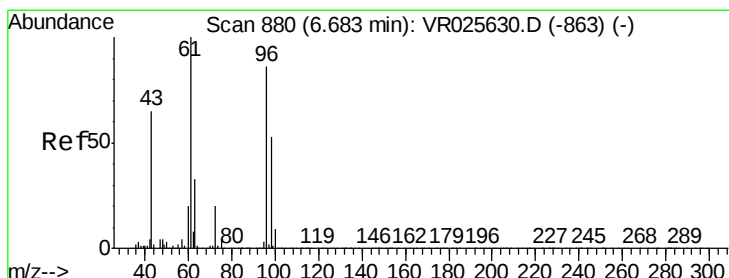
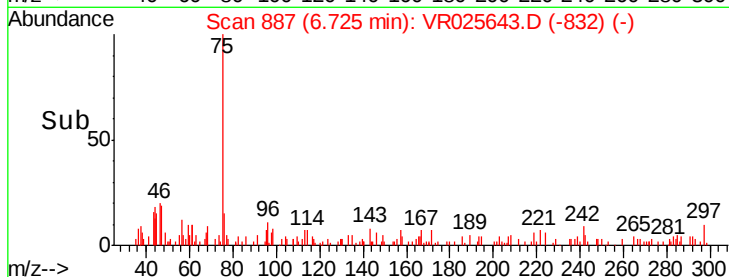
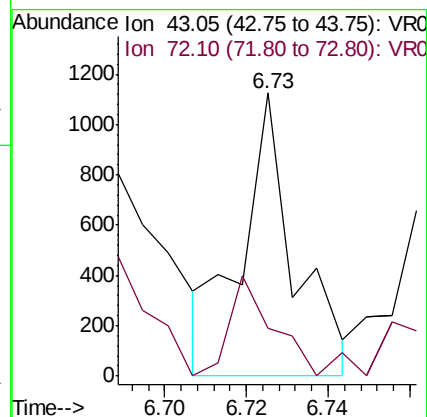
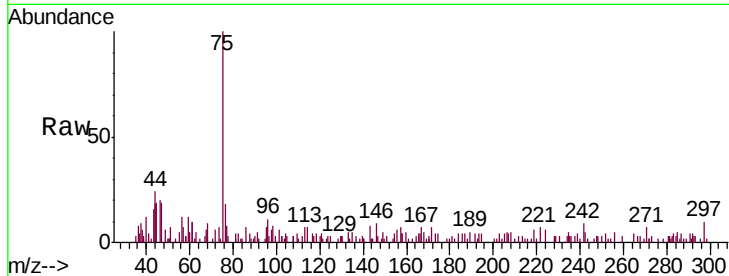
H0K12

Tgt Ion: 43 Resp: 1013

Ion Ratio Lower Upper

43 100

72 28.9 14.3 42.9



#22

cis-1,2-Dichloroethene

Concen: 0.550 ug/L

RT: 6.68 min Scan# 879

Delta R.T. -0.01 min

Lab File: VR025643.D

Acq: 24 Aug 2018 19:42

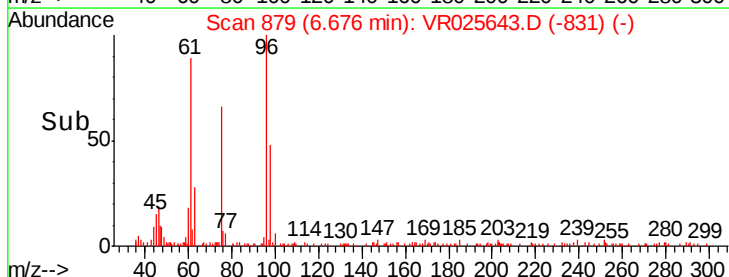
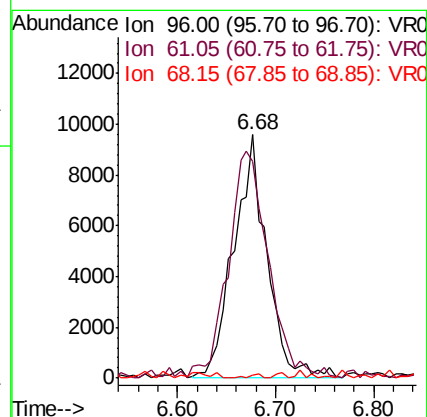
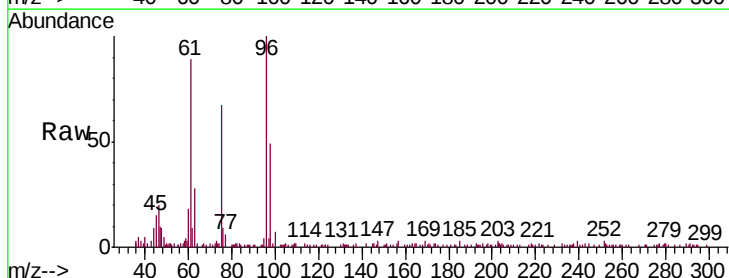
Tgt Ion: 96 Resp: 22381

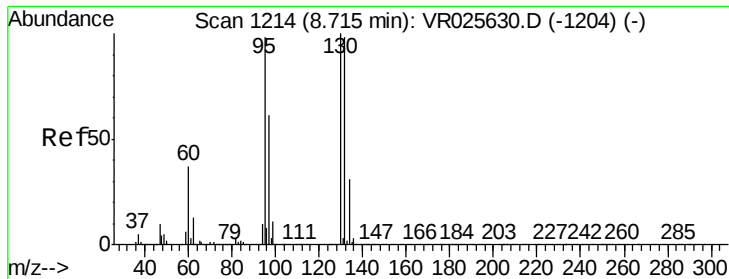
Ion Ratio Lower Upper

96 100

61 88.9 76.7 142.5

68 1.2 0.1 0.3#





#34

Trichloroethene

Concen: 2.226 ug/L

RT: 8.71 min Scan# 1213

Delta R.T. 0.00 min

Lab File: VR025643.D

Acq: 24 Aug 2018 19:42

Instrument :

MSVOA\_R

ClientSampleId :

H0K12

Tgt Ion: 95 Resp: 85991

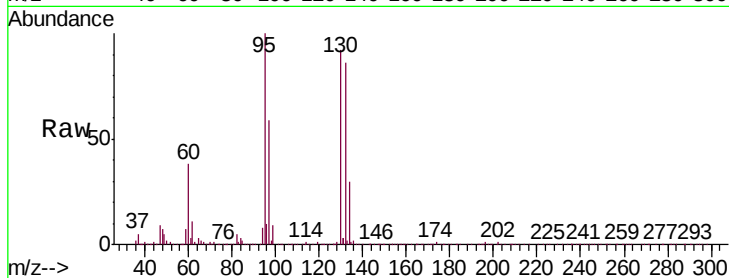
Ion Ratio Lower Upper

95 100

97 59.5 45.7 84.9

132 86.2 66.6 123.6

130 92.2 72.2 134.0

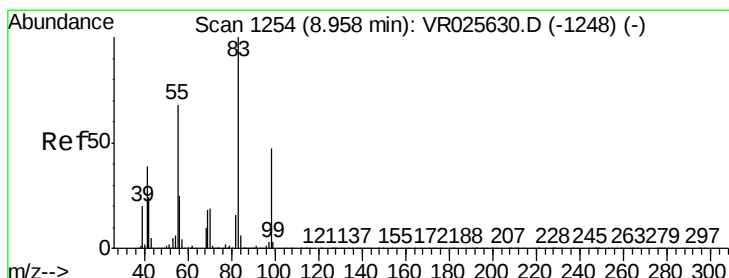
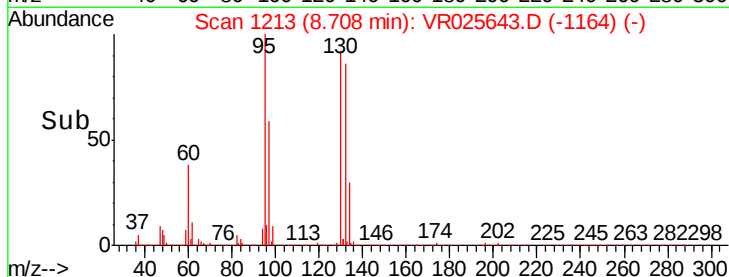
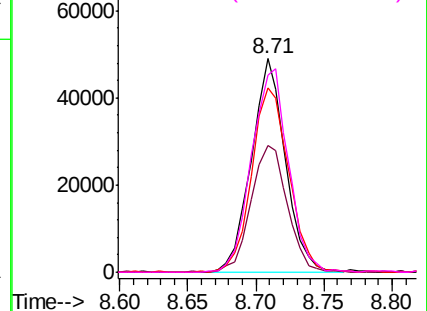


Abundance Ion 95.00 (94.70 to 95.70): VR0

Ion 96.95 (96.65 to 97.65): VR0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 0.666 ug/L

RT: 8.90 min Scan# 1244

Delta R.T. -0.06 min

Lab File: VR025643.D

Acq: 24 Aug 2018 19:42

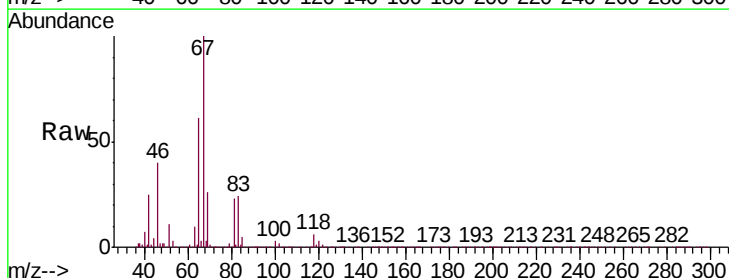
Tgt Ion: 83 Resp: 41857

Ion Ratio Lower Upper

83 100

55 0.7 56.7 85.1#

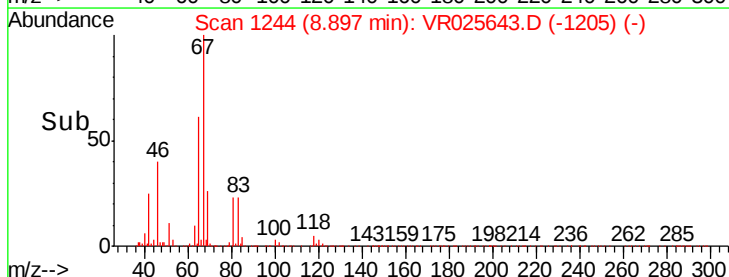
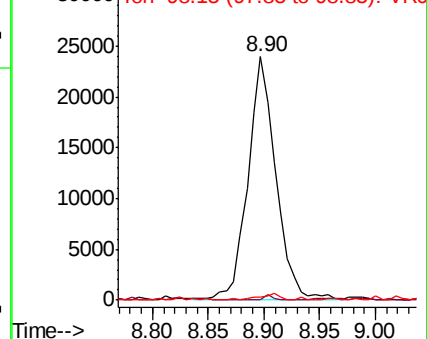
98 2.3 35.8 53.8#

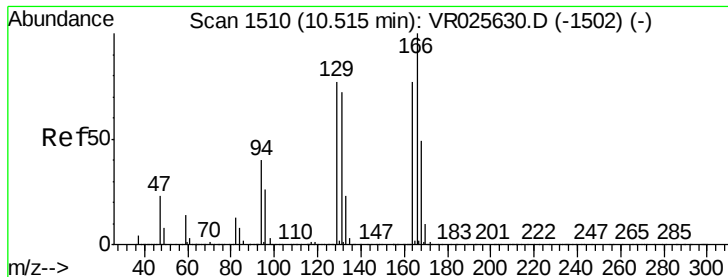


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0

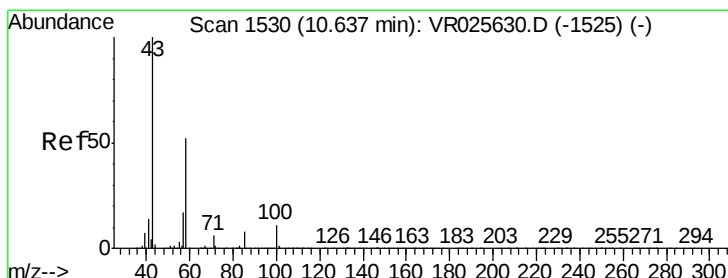
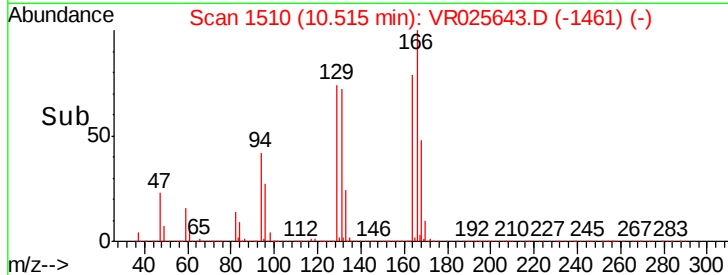
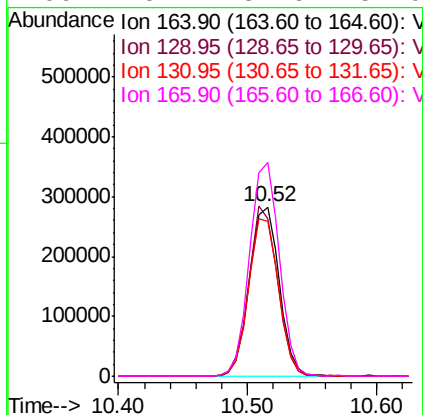
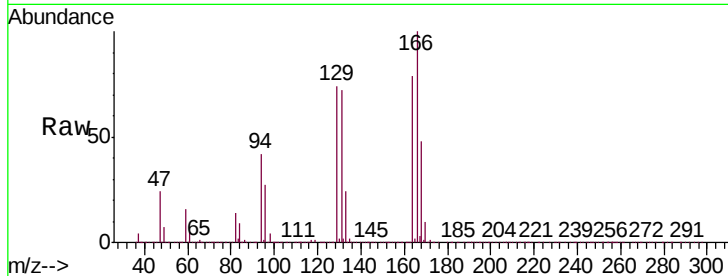




#47  
Tetrachloroethene  
Concen: 15.147 ug/L  
RT: 10.52 min Scan# 1510  
Delta R.T. 0.00 min  
Lab File: VR025643.D  
Acq: 24 Aug 2018 19:42

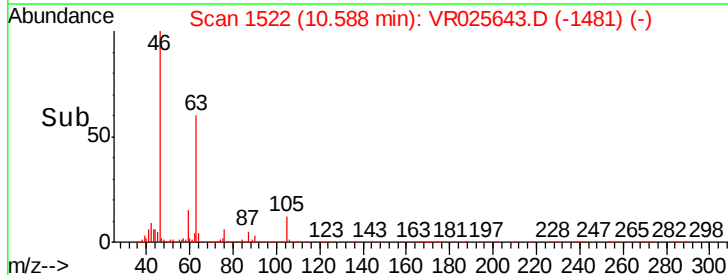
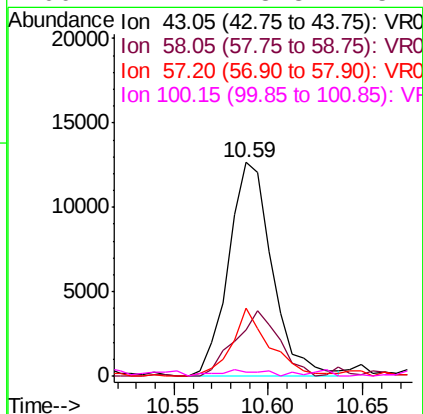
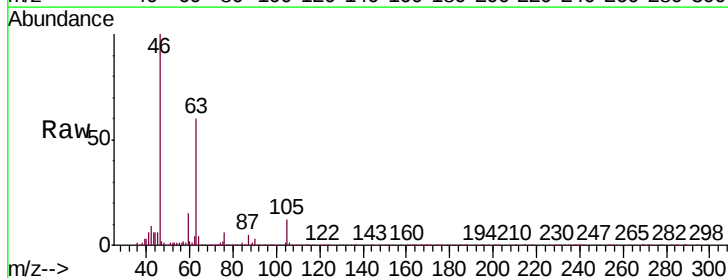
Instrument :  
MSVOA\_R  
ClientSampled :  
H0K12

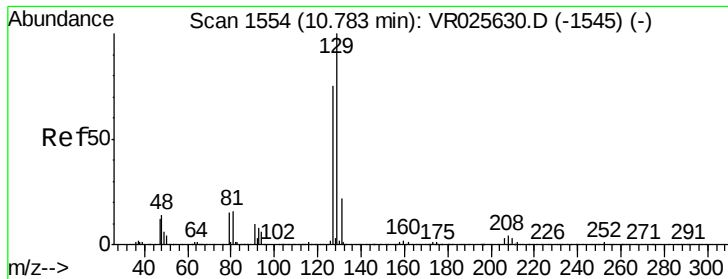
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 164   | Resp: | 447526 |
| Ion      | Ratio | Lower | Upper  |
| 164      | 100   |       |        |
| 129      | 93.2  | 68.7  | 127.5  |
| 131      | 91.4  | 66.4  | 123.4  |
| 166      | 126.4 | 84.6  | 157.0  |



#48  
2-Hexanone  
Concen: 3.248 ug/L  
RT: 10.59 min Scan# 1522  
Delta R.T. -0.05 min  
Lab File: VR025643.D  
Acq: 24 Aug 2018 19:42

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 20306 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 30.8  | 46.4  | 69.6# |
| 57       | 27.0  | 14.3  | 21.5# |
| 100      | 2.4   | 8.8   | 13.2# |





#49

Dibromochloromethane

Concen: 21.756 ug/L

RT: 10.51 min Scan# 1509

Delta R.T. -0.27 min

Lab File: VR025643.D

Acq: 24 Aug 2018 19:42

Instrument :

MSVOA\_R

ClientSampleId :

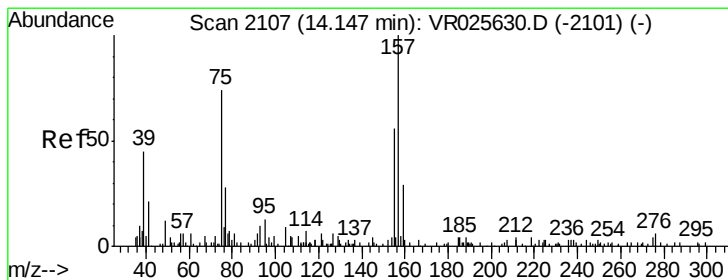
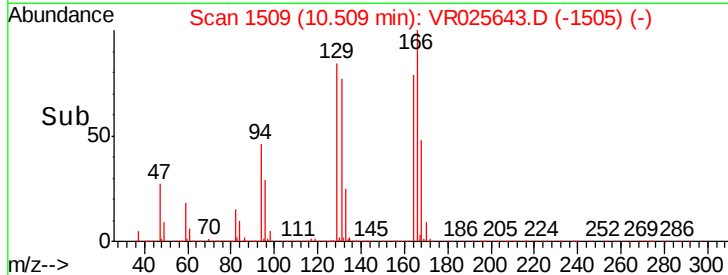
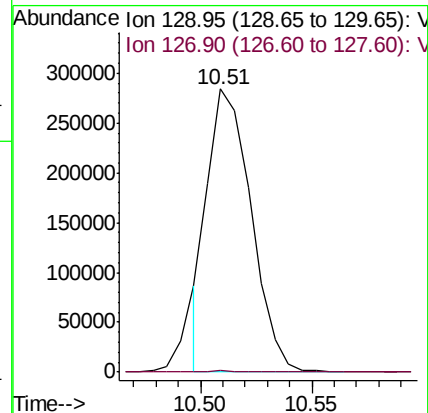
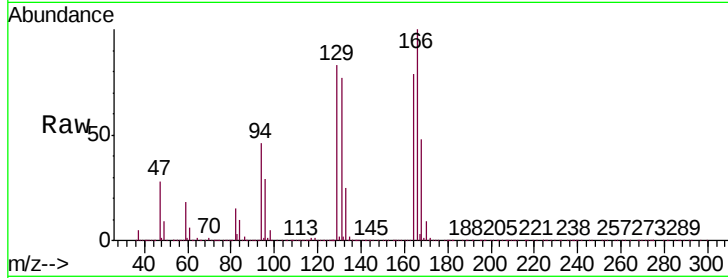
H0K12

Tgt Ion: 129 Resp: 383010

Ion Ratio Lower Upper

129 100

127 0.5 51.6 95.8#



#66

1,2-Dibromo-3-chloropropane

Concen: 0.254 ug/L

RT: 14.15 min Scan# 2107

Delta R.T. 0.00 min

Lab File: VR025643.D

Acq: 24 Aug 2018 19:42

Tgt Ion: 75 Resp: 270

Ion Ratio Lower Upper

75 100

155 44.7 55.2 82.8#

157 0.0 89.4 134.2#

