

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR100218\  
 Data File : VR025931.D  
 Acq On : 2 Oct 2018 16:56  
 Operator : SY/MD  
 Sample : J5160-13  
 Misc : 25mL/MSVOA R/WATER  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_R  
 ClientSampleId :

Quant Time: Oct 03 02:55:41 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_R\METHODS\SOMRTR092718WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Wed Oct 03 02:53:45 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.46  | 114  | 424686   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.29 | 117  | 359491   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.22 | 152  | 118068   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                  |        |       |          |          |      |         |
|----------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3             | 2.15   | 65    | 139472   | 4.16     | ug/L | 0.00    |
| Spiked Amount                    | 5.000  | Range | 40 - 130 | Recovery | =    | 83.20%  |
| 7) Chloroethane-d5               | 2.63   | 69    | 136713   | 4.99     | ug/L | 0.00    |
| Spiked Amount                    | 5.000  | Range | 65 - 130 | Recovery | =    | 99.80%  |
| 11) 1,1-Dichloroethene-d2        | 3.64   | 63    | 257276   | 3.27     | ug/L | 0.00    |
| Spiked Amount                    | 5.000  | Range | 60 - 125 | Recovery | =    | 65.40%  |
| 20) 2-Butanone-d5                | 6.59   | 46    | 231850   | 62.10    | ug/L | 0.00    |
| Spiked Amount                    | 50.000 | Range | 40 - 130 | Recovery | =    | 124.20% |
| 24) Chloroform-d                 | 7.20   | 84    | 273534   | 4.69     | ug/L | 0.00    |
| Spiked Amount                    | 5.000  | Range | 70 - 125 | Recovery | =    | 93.80%  |
| 26) 1,2-Dichloroethane-d4        | 7.90   | 65    | 130945   | 5.22     | ug/L | 0.00    |
| Spiked Amount                    | 5.000  | Range | 70 - 130 | Recovery | =    | 104.40% |
| 32) Benzene-d6                   | 7.85   | 84    | 505129   | 4.22     | ug/L | 0.00    |
| Spiked Amount                    | 5.000  | Range | 70 - 125 | Recovery | =    | 84.40%  |
| 36) 1,2-Dichloropropane-d6       | 8.90   | 67    | 153130   | 4.75     | ug/L | 0.00    |
| Spiked Amount                    | 5.000  | Range | 60 - 140 | Recovery | =    | 95.00%  |
| 41) Toluene-d8                   | 9.97   | 98    | 463492   | 4.12     | ug/L | 0.00    |
| Spiked Amount                    | 5.000  | Range | 70 - 130 | Recovery | =    | 82.40%  |
| 43) trans-1,3-Dichloropropene-   | 10.24  | 79    | 32166    | 4.40     | ug/L | 0.00    |
| Spiked Amount                    | 5.000  | Range | 55 - 130 | Recovery | =    | 88.00%  |
| 46) 2-Hexanone-d5                | 10.59  | 63    | 163954   | 58.74    | ug/L | 0.00    |
| Spiked Amount                    | 50.000 | Range | 45 - 130 | Recovery | =    | 117.48% |
| 57) 1,1,1,2,2-Tetrachloroethane- | 12.36  | 84    | 63423    | 4.85     | ug/L | 0.00    |
| Spiked Amount                    | 5.000  | Range | 65 - 120 | Recovery | =    | 97.00%  |
| 64) 1,2-Dichlorobenzene-d4       | 13.52  | 152   | 89755    | 4.75     | ug/L | 0.00    |
| Spiked Amount                    | 5.000  | Range | 80 - 120 | Recovery | =    | 95.00%  |

## Target Compounds

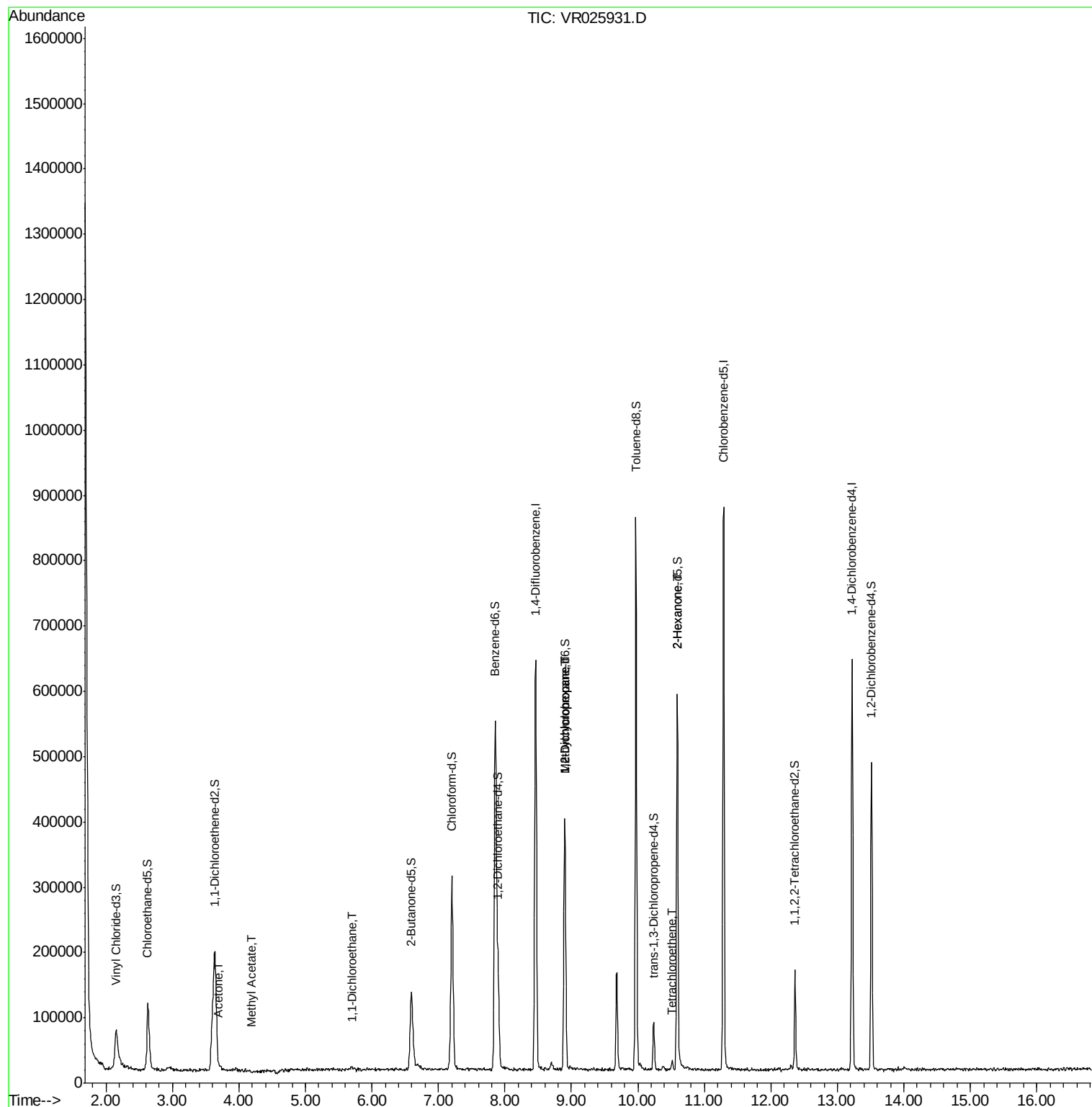
|                         |       |     |       |              | Ovalue |
|-------------------------|-------|-----|-------|--------------|--------|
| 13) Acetone             | 3.70  | 43  | 4079  | 1.507 ug/L   | 61     |
| 15) Methyl Acetate      | 4.20  | 43  | 645   | 0.086 ug/L # | 52     |
| 19) 1,1-Dichloroethane  | 5.71  | 63  | 5298  | 0.101 ug/L # | 88     |
| 35) Methylcyclohexane   | 8.90  | 83  | 36928 | 0.773 ug/L # | 15     |
| 37) 1,2-Dichloropropane | 8.89  | 63  | 20019 | 0.774 ug/L # | 92     |
| 47) Tetrachloroethene   | 10.51 | 164 | 2927  | 0.150 ug/L # | 65     |
| 48) 2-Hexanone          | 10.59 | 43  | 26064 | 4.377 ug/L # | 69     |

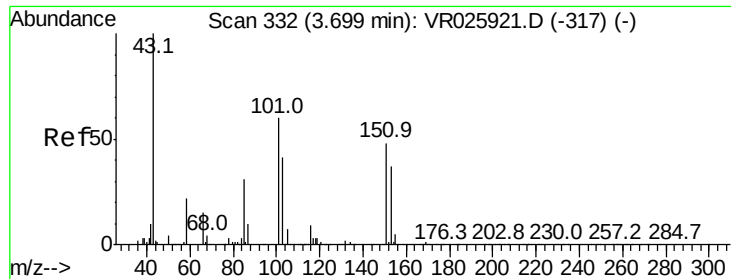
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0  
QLast Update : Wed Oct 03 02:53:45 2018  
Response via : Initial Calibration

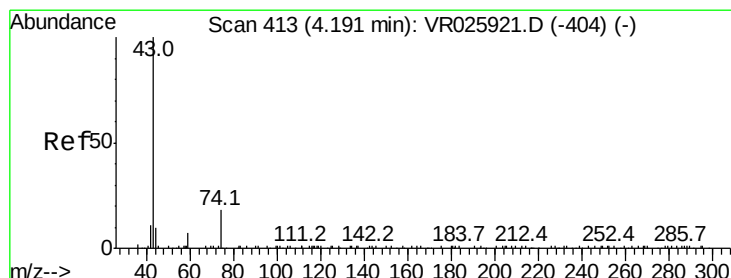
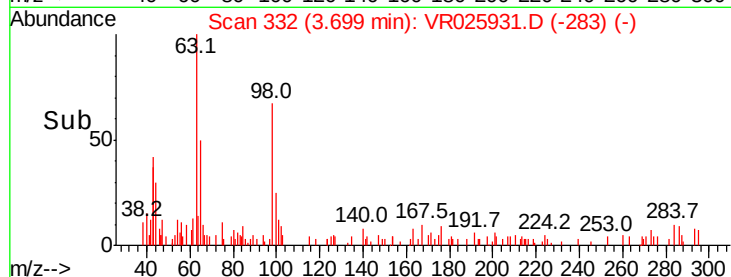
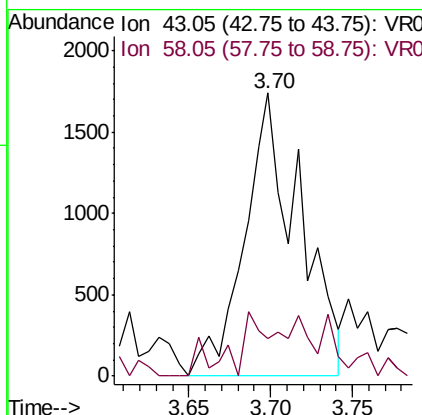
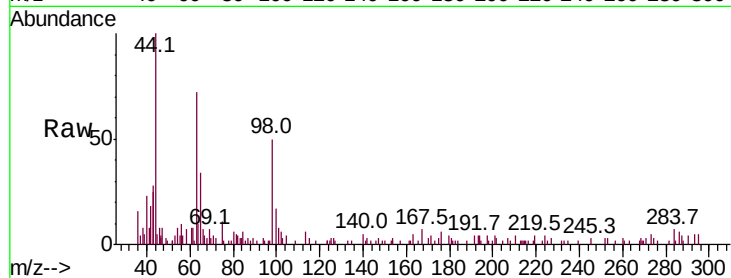




#13  
Acetone  
Concen: 1.507 ug/L  
RT: 3.70 min Scan# 332  
Delta R.T. -0.00 min  
Lab File: VR025931.D  
Acq: 2 Oct 2018 16:56

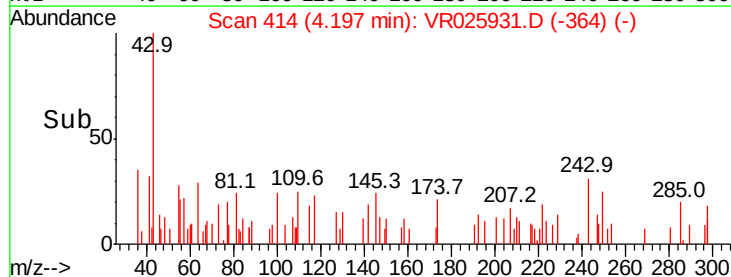
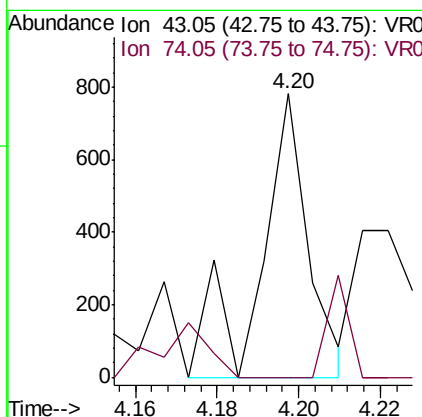
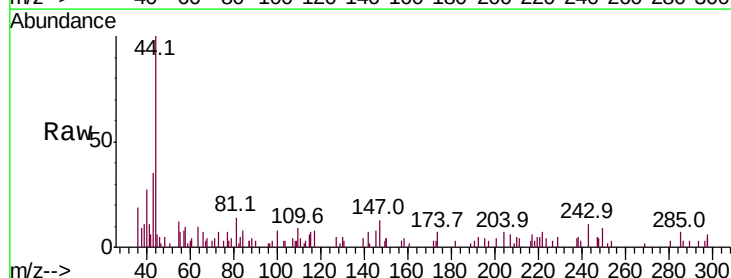
Instrument :  
MSVOA\_R  
ClientSampled :

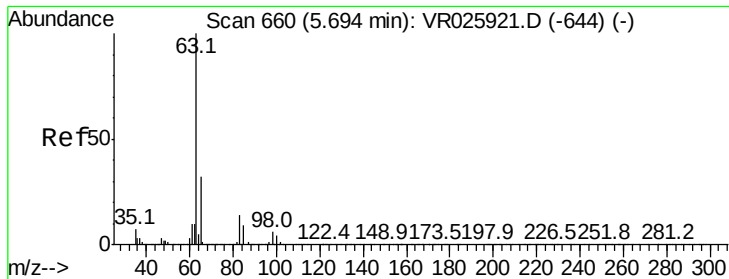
Tot Ion: 43 Resp: 4079  
Ion Ratio Lower Upper  
43 100  
58 6.0 0.0 51.4



#15  
Methyl Acetate  
Concen: 0.086 ug/L  
RT: 4.20 min Scan# 414  
Delta R.T. 0.01 min  
Lab File: VR025931.D  
Acq: 2 Oct 2018 16:56

Tgt Ion: 43 Resp: 645  
Ion Ratio Lower Upper  
43 100  
74 0.0 19.0 28.4#





#19

1,1-Dichloroethane

Concen: 0.101 ug/L

RT: 5.71 min Scan# 662

Delta R.T. 0.01 min

Lab File: VR025931.D

Acq: 2 Oct 2018 16:56

Instrument :

MSVOA\_R

ClientSampleId :

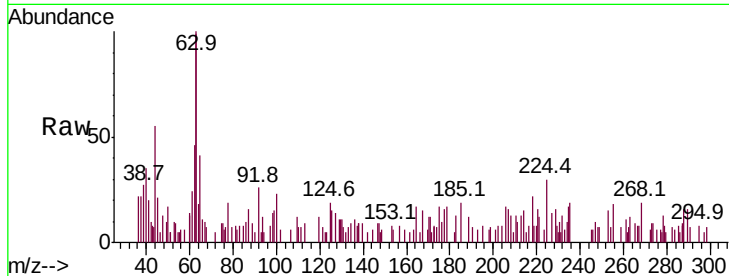
Tot Ion: 63 Resp: 5298

Ion Ratio Lower Upper

63 100

65 26.2 21.1 39.1

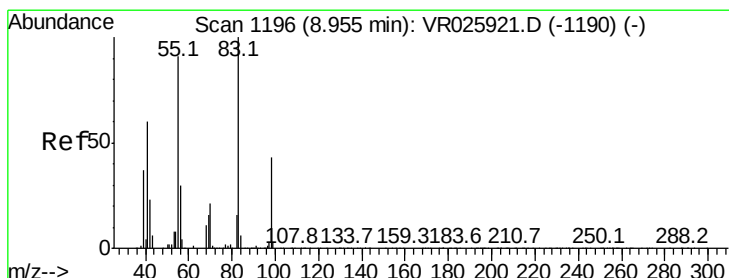
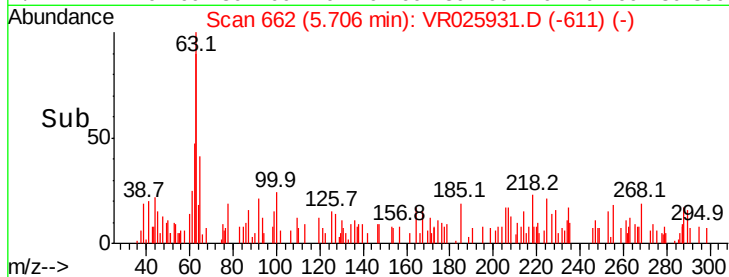
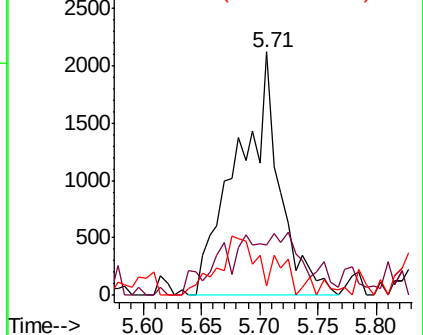
83 3.9 8.9 16.5#



Abundance Ion 63.10 (62.80 to 63.80): VR0

Ion 65.10 (64.80 to 65.80): VR0

Ion 83.05 (82.75 to 83.75): VR0



#35

Methylcyclohexane

Concen: 0.773 ug/L

RT: 8.90 min Scan# 1187

Delta R.T. -0.05 min

Lab File: VR025931.D

Acq: 2 Oct 2018 16:56

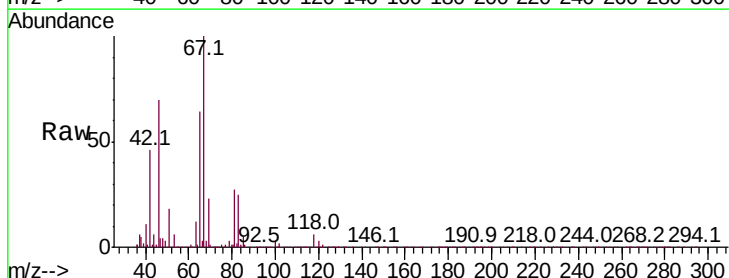
Tgt Ion: 83 Resp: 36928

Ion Ratio Lower Upper

83 100

55 0.7 71.8 107.6#

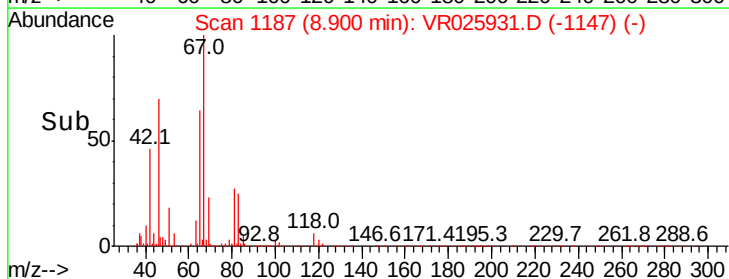
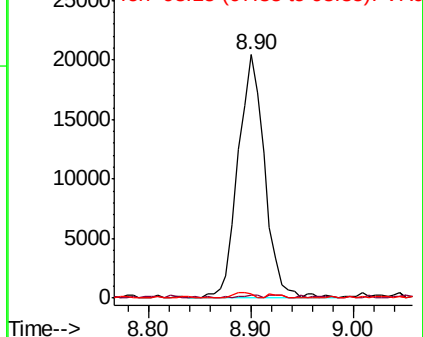
98 1.6 34.2 51.4#

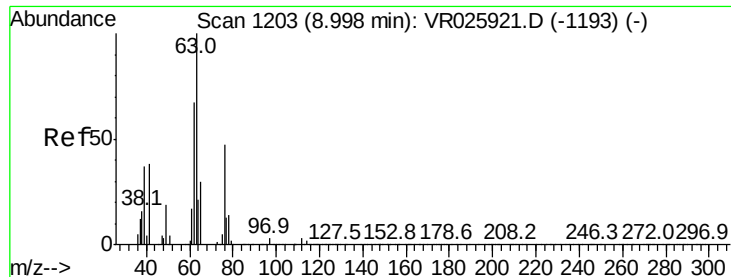


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0





#37

1,2-Dichloropropane

Concen: 0.774 ug/L

RT: 8.89 min Scan# 1186

Delta R.T. -0.10 min

Lab File: VR025931.D

Acq: 2 Oct 2018 16:56

Instrument :

MSVOA\_R

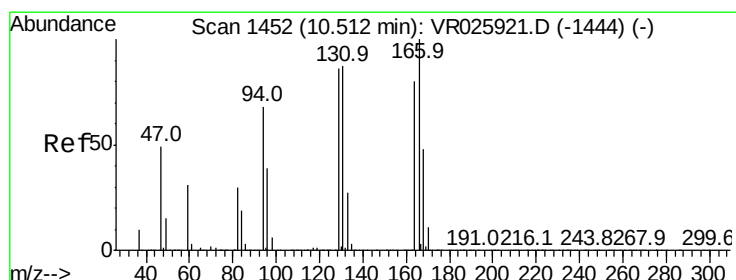
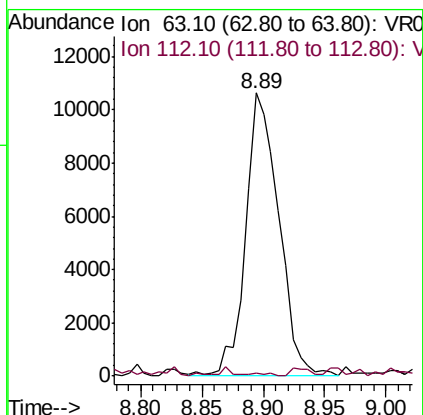
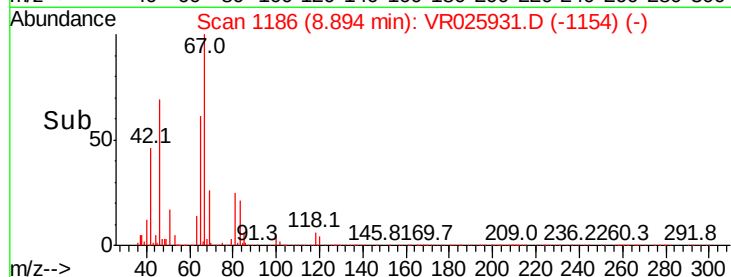
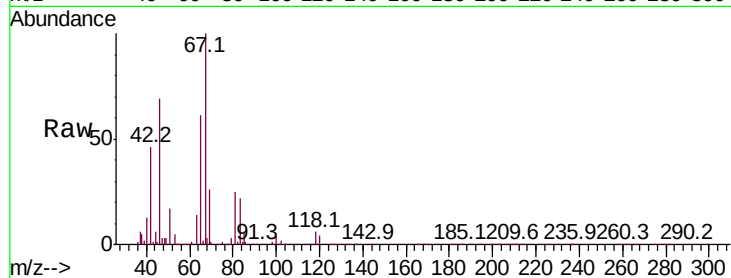
ClientSampleId :

Tot Ion: 63 Resp: 20019

Ion Ratio Lower Upper

63 100

112 0.6 2.5 3.7#



#47

Tetrachloroethene

Concen: 0.150 ug/L

RT: 10.51 min Scan# 1452

Delta R.T. -0.00 min

Lab File: VR025931.D

Acq: 2 Oct 2018 16:56

Tgt Ion: 164 Resp: 2927

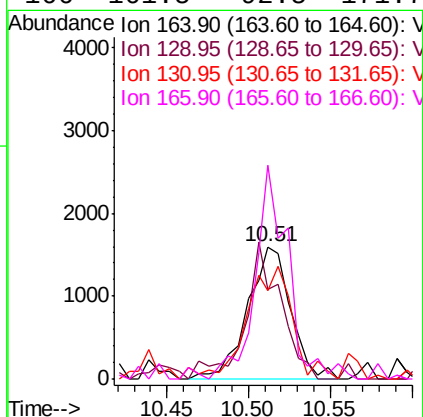
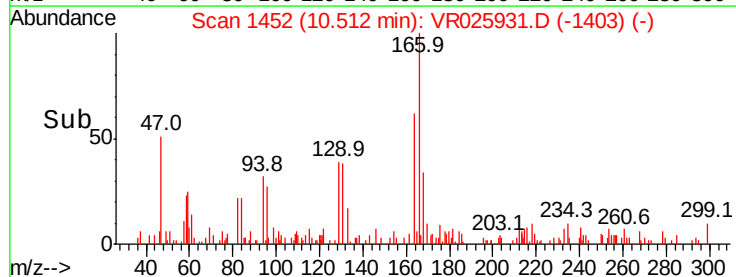
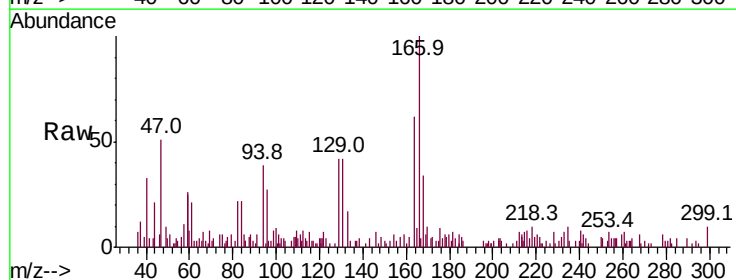
Ion Ratio Lower Upper

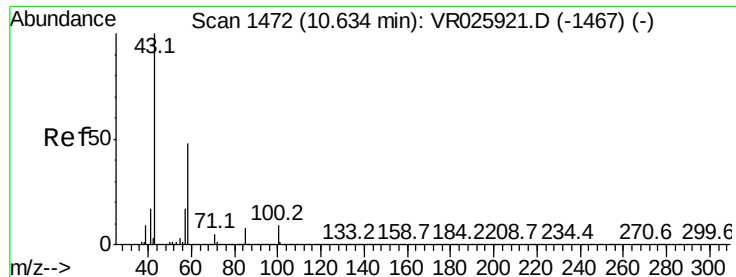
164 100

129 67.9 80.8 150.2#

131 67.3 74.5 138.3#

166 161.5 92.5 171.7





#48

2-Hexanone

Concen: 4.377 ug/L

RT: 10.59 min Scan# 1465

Delta R.T. -0.04 min

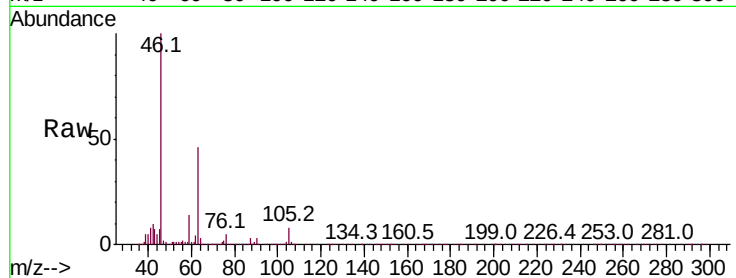
Lab File: VR025931.D

Acq: 2 Oct 2018 16:56

Instrument :

MSVOA\_R

ClientSampleId :



|          |       |       |       |
|----------|-------|-------|-------|
| Tot Ion: | 43    | Resp: | 26064 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 23.7  | 39.5  | 59.3# |
| 57       | 25.6  | 14.6  | 21.8# |
| 100      | 1.4   | 6.7   | 10.1# |

