

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_R\DATA\VR072018\  
 Data File : VR025531.D  
 Acq On : 20 Jul 2018 14:20  
 Operator : SY/MD  
 Sample : J3960-11DL 10X  
 Misc : 25mL/MSVOA\_R/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_R  
 ClientSampleId :  
 C0AG9DL

Quant Time: Jul 20 23:36:55 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_R\METHODS\SOMRTR070518WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Jul 20 23:36:45 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.46  | 114  | 590913   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.29 | 117  | 488392   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.22 | 152  | 147054   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 2.14   | 65    | 90171    | 5.54     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 110.80%  |
| 7) Chloroethane-d5             | 2.64   | 69    | 66312    | 4.78     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 95.60%   |
| 11) 1,1-Dichloroethene-d2      | 3.64   | 63    | 193260   | 3.92     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 78.40%   |
| 20) 2-Butanone-d5              | 6.60   | 46    | 240056   | 47.44    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 94.88%   |
| 24) Chloroform-d               | 7.21   | 84    | 403746   | 5.01     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 100.20%  |
| 26) 1,2-Dichloroethane-d4      | 7.89   | 65    | 151677   | 4.91     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 98.20%   |
| 32) Benzene-d6                 | 7.86   | 84    | 860535   | 5.27     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 105.40%  |
| 36) 1,2-Dichloropropane-d6     | 8.90   | 67    | 245856   | 5.19     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 103.80%  |
| 41) Toluene-d8                 | 9.97   | 98    | 743398   | 5.18     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 103.60%  |
| 43) trans-1,3-Dichloropropene- | 10.24  | 79    | 52726    | 4.20     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 84.00%   |
| 46) 2-Hexanone-d5              | 10.59  | 63    | 206767   | 50.93    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 101.86%  |
| 57) 1,1,2,2-Tetrachloroethane- | 12.36  | 84    | 99702    | 4.70     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 94.00%   |
| 64) 1,2-Dichlorobenzene-d4     | 13.51  | 152   | 150464   | 6.20     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 124.00%# |

## Target Compounds

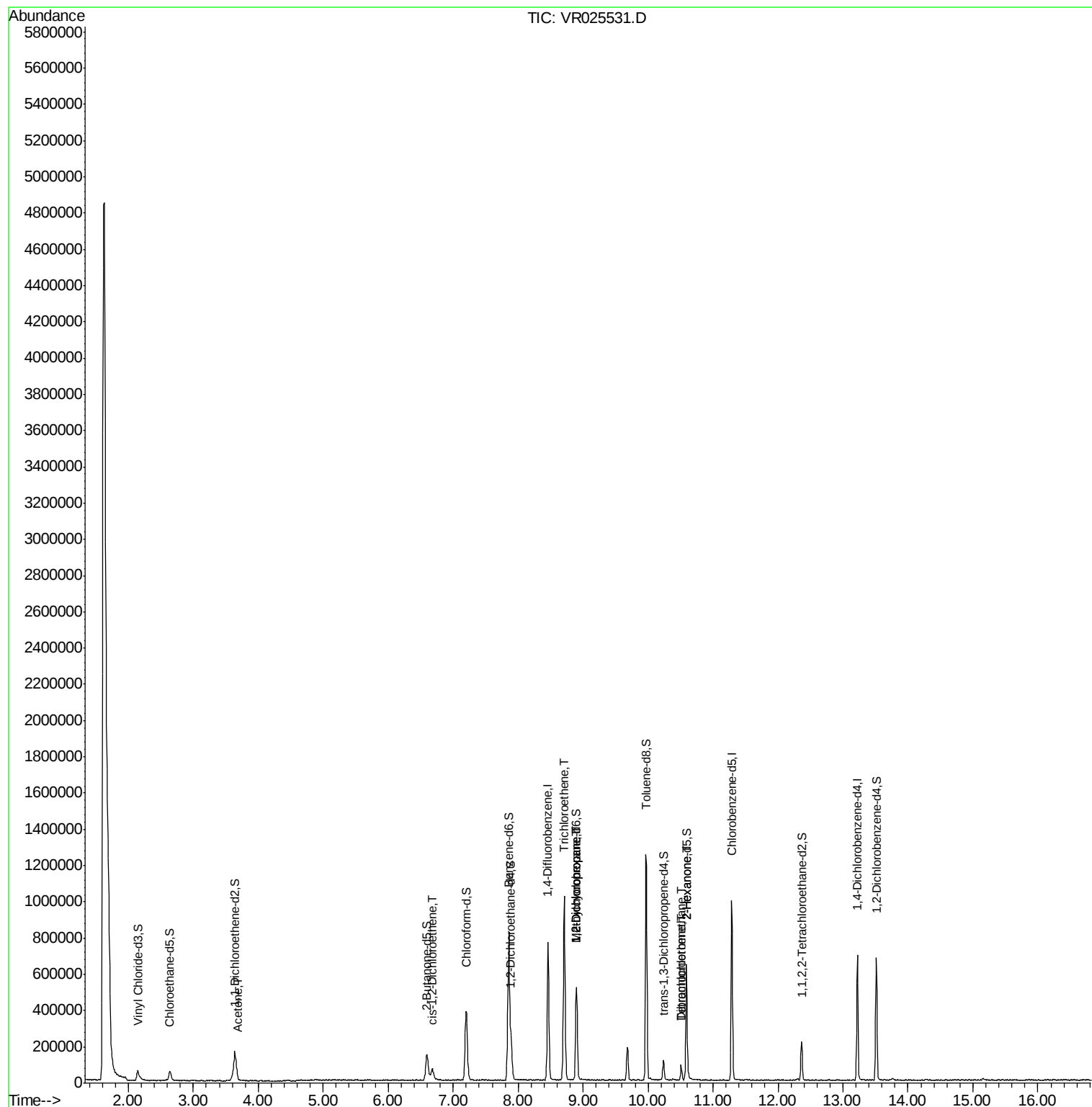
|                            |       |     |        |              | Qvalue |
|----------------------------|-------|-----|--------|--------------|--------|
| 13) Acetone                | 3.69  | 43  | 554    | 0.243 ug/L   | 70     |
| 22) cis-1,2-Dichloroethene | 6.67  | 96  | 33355  | 0.827 ug/L # | 87     |
| 34) Trichloroethene        | 8.71  | 95  | 360065 | 8.402 ug/L   | 100    |
| 35) Methylcyclohexane      | 8.90  | 83  | 58062  | 1.013 ug/L # | 18     |
| 37) 1,2-Dichloropropane    | 8.90  | 63  | 26244  | 0.671 ug/L # | 95     |
| 47) Tetrachloroethene      | 10.52 | 164 | 17206  | 0.615 ug/L   | 92     |
| 48) 2-Hexanone             | 10.59 | 43  | 25489  | 3.268 ug/L # | 68     |
| 49) Dibromochloromethane   | 10.52 | 129 | 15150  | 0.758 ug/L # | 9      |

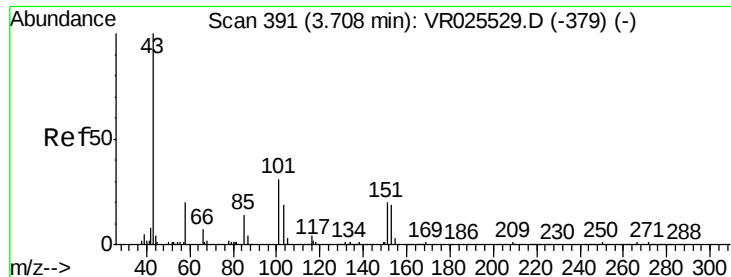
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jul 20 23:36:45 2018  
Response via : Initial Calibration





#13

Acetone

Concen: 0.243 ug/L

RT: 3.69 min Scan# 388

Delta R.T. -0.02 min

Lab File: VR025531.D

Acq: 20 Jul 2018 14:20

Instrument :

MSVOA\_R

ClientSampled :

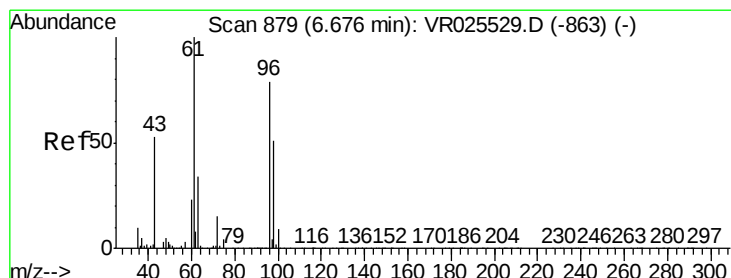
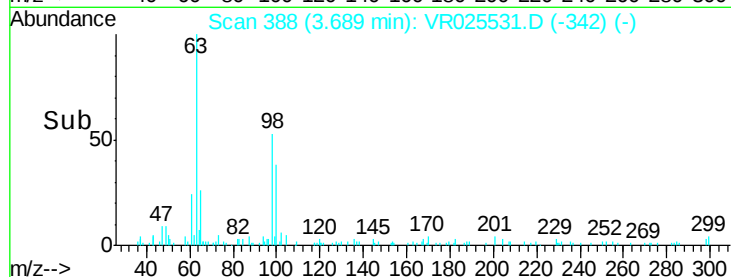
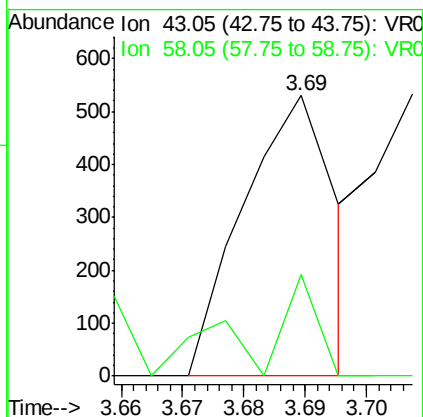
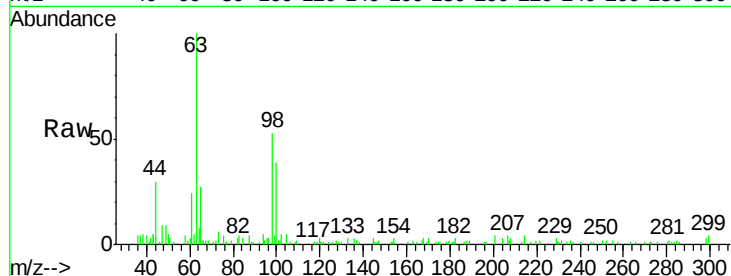
C0AG9DL

Tgt Ion: 43 Resp: 554

Ion Ratio Lower Upper

43 100

58 7.0 0.0 41.6



#22

cis-1,2-Dichloroethene

Concen: 0.827 ug/L

RT: 6.67 min Scan# 878

Delta R.T. -0.01 min

Lab File: VR025531.D

Acq: 20 Jul 2018 14:20

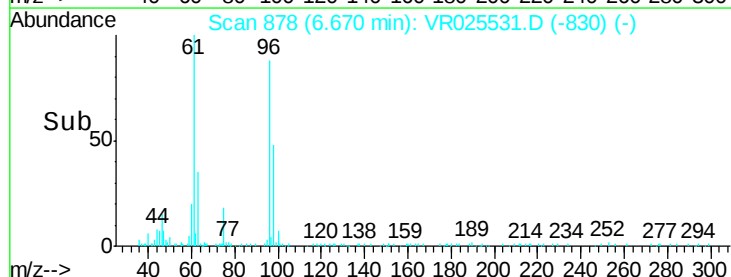
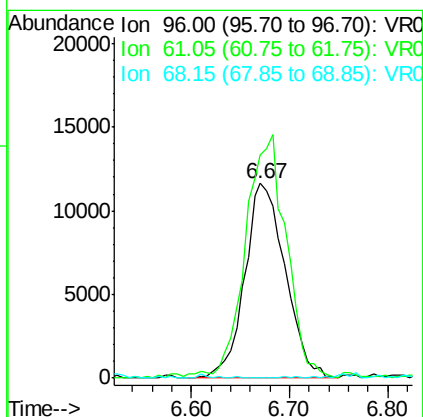
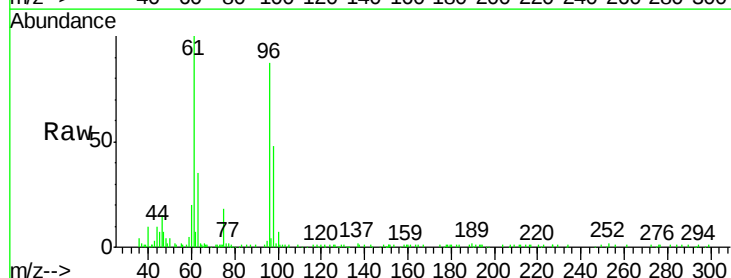
Tgt Ion: 96 Resp: 33355

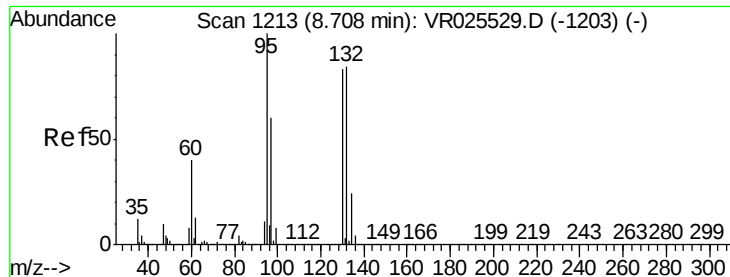
Ion Ratio Lower Upper

96 100

61 114.6 91.0 169.0

68 0.5 0.0 0.0#

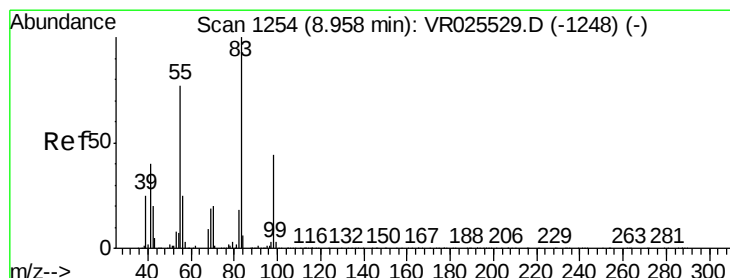
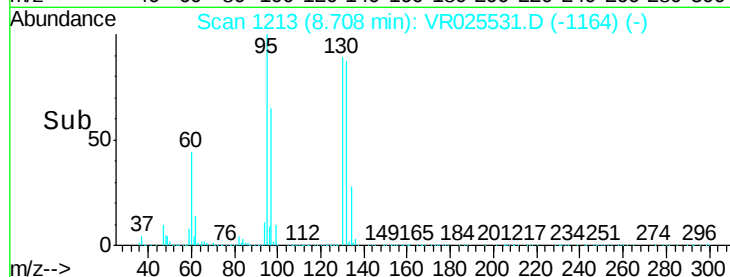
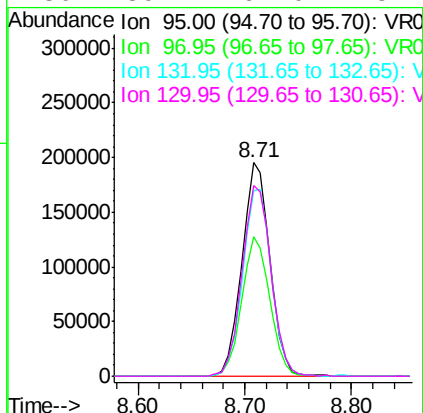
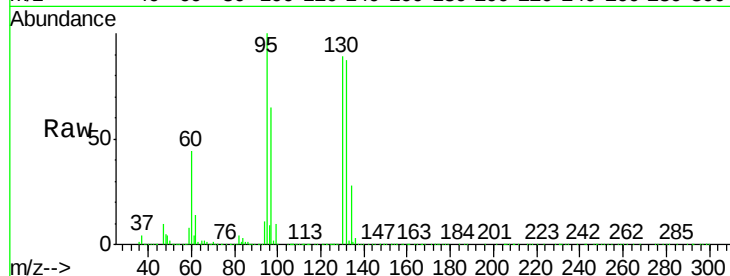




#34  
 Trichloroethene  
 Concen: 8.402 ug/L  
 RT: 8.71 min Scan# 1213  
 Delta R.T. -0.00 min  
 Lab File: VR025531.D  
 Acq: 20 Jul 2018 14:20

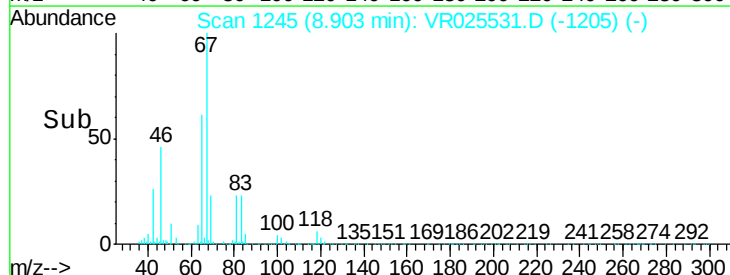
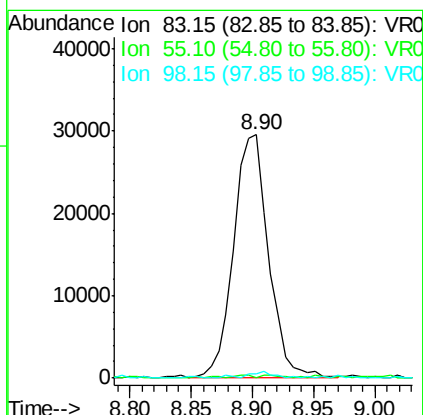
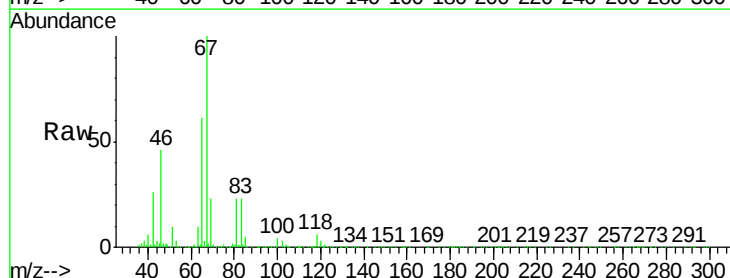
Instrument :  
 MSVOA\_R  
 ClientSampleId :  
 C0AG9DL

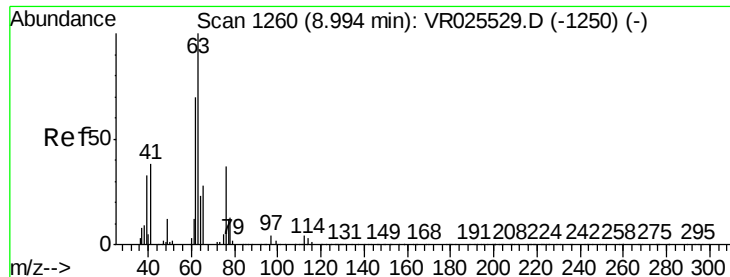
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 95    | Resp: | 360065 |
| Ion      | Ratio | Lower | Upper  |
| 95       | 100   |       |        |
| 97       | 65.1  | 45.6  | 84.6   |
| 132      | 86.8  | 60.9  | 113.1  |
| 130      | 89.1  | 62.0  | 115.2  |



#35  
 Methylcyclohexane  
 Concen: 1.013 ug/L  
 RT: 8.90 min Scan# 1245  
 Delta R.T. -0.05 min  
 Lab File: VR025531.D  
 Acq: 20 Jul 2018 14:20

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 83    | Resp: | 58062 |
| Ion      | Ratio | Lower | Upper |
| 83       | 100   |       |       |
| 55       | 0.8   | 66.1  | 99.1# |
| 98       | 2.0   | 36.2  | 54.4# |





#37

1,2-Dichloropropane

Concen: 0.671 ug/L

RT: 8.90 min Scan# 1244

Delta R.T. -0.10 min

Lab File: VR025531.D

Acq: 20 Jul 2018 14:20

Instrument :

MSVOA\_R

ClientSampleId :

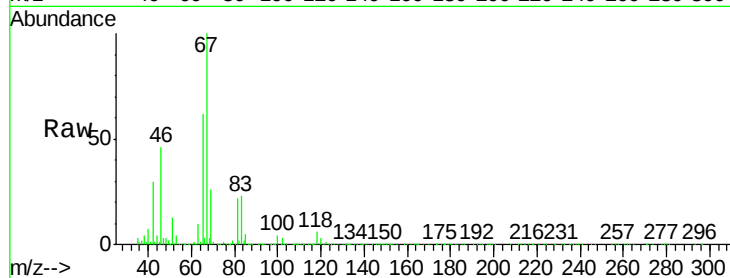
C0AG9DL

Tgt Ion: 63 Resp: 26244

Ion Ratio Lower Upper

63 100

112 1.8 2.9 4.3#



Abundance Ion 63.10 (62.80 to 63.80): VR0

Ion 112.10 (111.80 to 112.80): V

8.90

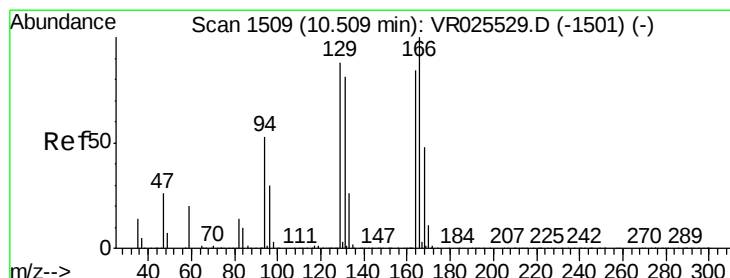
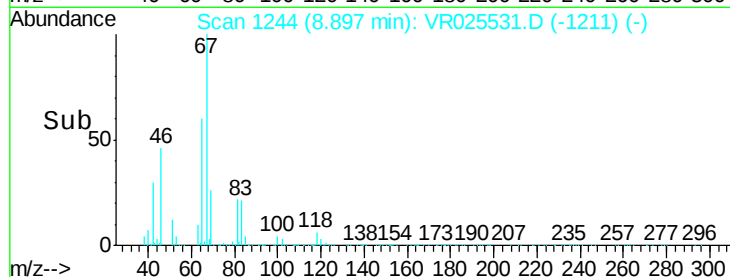
10000

5000

0

Time-->

8.85 8.90 8.95



#47

Tetrachloroethene

Concen: 0.615 ug/L

RT: 10.52 min Scan# 1510

Delta R.T. 0.01 min

Lab File: VR025531.D

Acq: 20 Jul 2018 14:20

Tgt Ion: 164 Resp: 17206

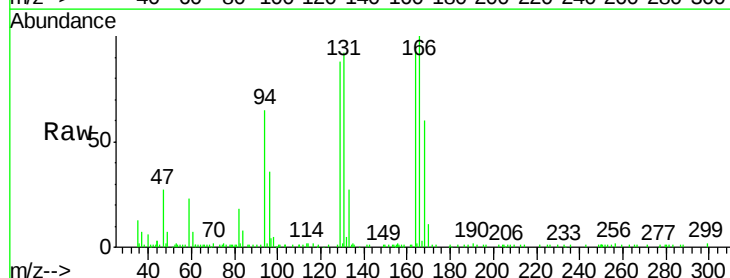
Ion Ratio Lower Upper

164 100

129 94.7 68.1 126.5

131 99.0 68.5 127.1

166 107.1 89.9 166.9



Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

20000

15000

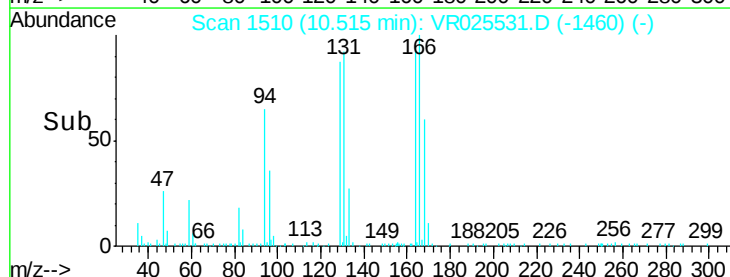
10000

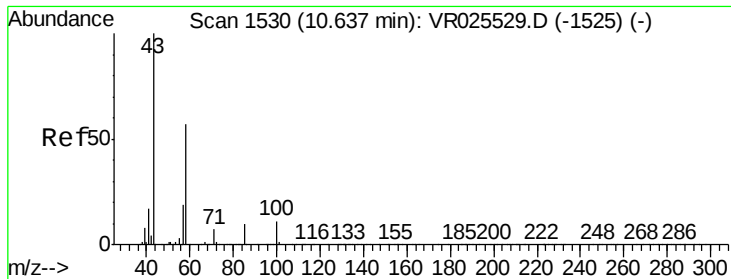
5000

0

Time-->

10.45 10.50 10.55

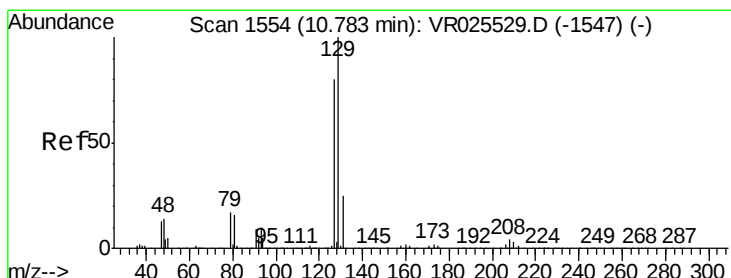
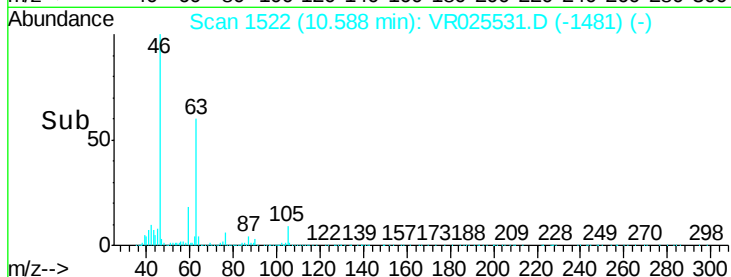
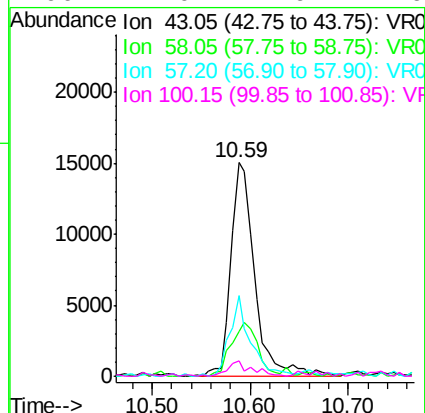
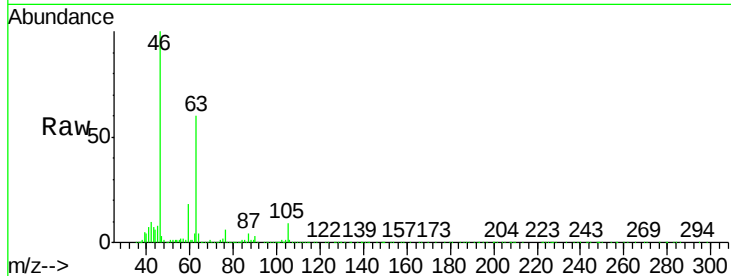




#48  
2-Hexanone  
Concen: 3.268 ug/L  
RT: 10.59 min Scan# 1522  
Delta R.T. -0.05 min  
Lab File: VR025531.D  
Acq: 20 Jul 2018 14:20

Instrument :  
MSVOA\_R  
ClientSampleId :  
C0AG9DL

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 25489 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 28.1  | 43.1  | 64.7# |
| 57       | 33.2  | 15.3  | 22.9# |
| 100      | 7.0   | 7.9   | 11.9# |



#49  
Dibromochloromethane  
Concen: 0.758 ug/L  
RT: 10.52 min Scan# 1510  
Delta R.T. -0.27 min  
Lab File: VR025531.D  
Acq: 20 Jul 2018 14:20

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 129   | Resp: | 15150  |
| Ion      | Ratio | Lower | Upper  |
| 129      | 100   |       |        |
| 127      | 0.0   | 55.9  | 103.7# |

