

Data File : VR026030.D  
Acq On : 10 Oct 2018 15:22  
Operator : SY/MD  
Sample : J5380-04  
Misc : 25mL/MSVOA\_R/WATER  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_R  
ClientSampleId :  
C0T20

Quant Time: Oct 11 04:15:28 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_R\METHODS\SOMRTR092718WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Thu Oct 11 04:11:41 2018  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.46  | 114  | 404452   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.29 | 117  | 341076   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.23 | 152  | 104471   | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.15   | 65    | 139916   | 4.39     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 87.80%  |
| 7) Chloroethane-d5             | 2.63   | 69    | 131807   | 5.06     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 101.20% |
| 11) 1,1-Dichloroethene-d2      | 3.63   | 63    | 257011   | 3.43     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 68.60%  |
| 20) 2-Butanone-d5              | 6.59   | 46    | 189452   | 53.28    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 106.56% |
| 24) Chloroform-d               | 7.20   | 84    | 249810   | 4.50     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 90.00%  |
| 26) 1,2-Dichloroethane-d4      | 7.90   | 65    | 112801   | 4.73     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 94.60%  |
| 32) Benzene-d6                 | 7.86   | 84    | 473961   | 4.18     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 83.60%  |
| 36) 1,2-Dichloropropane-d6     | 8.90   | 67    | 140440   | 4.59     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 91.80%  |
| 41) Toluene-d8                 | 9.97   | 98    | 406542   | 3.81     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 76.20%  |
| 43) trans-1,3-Dichloropropene- | 10.24  | 79    | 29714    | 4.28     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 85.60%  |
| 46) 2-Hexanone-d5              | 10.59  | 63    | 139817   | 52.80    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 105.60% |
| 57) 1,1,2,2-Tetrachloroethane- | 12.36  | 84    | 56776    | 4.57     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 91.40%  |
| 64) 1,2-Dichlorobenzene-d4     | 13.51  | 152   | 82182    | 4.91     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 98.20%  |

#### Target Compounds

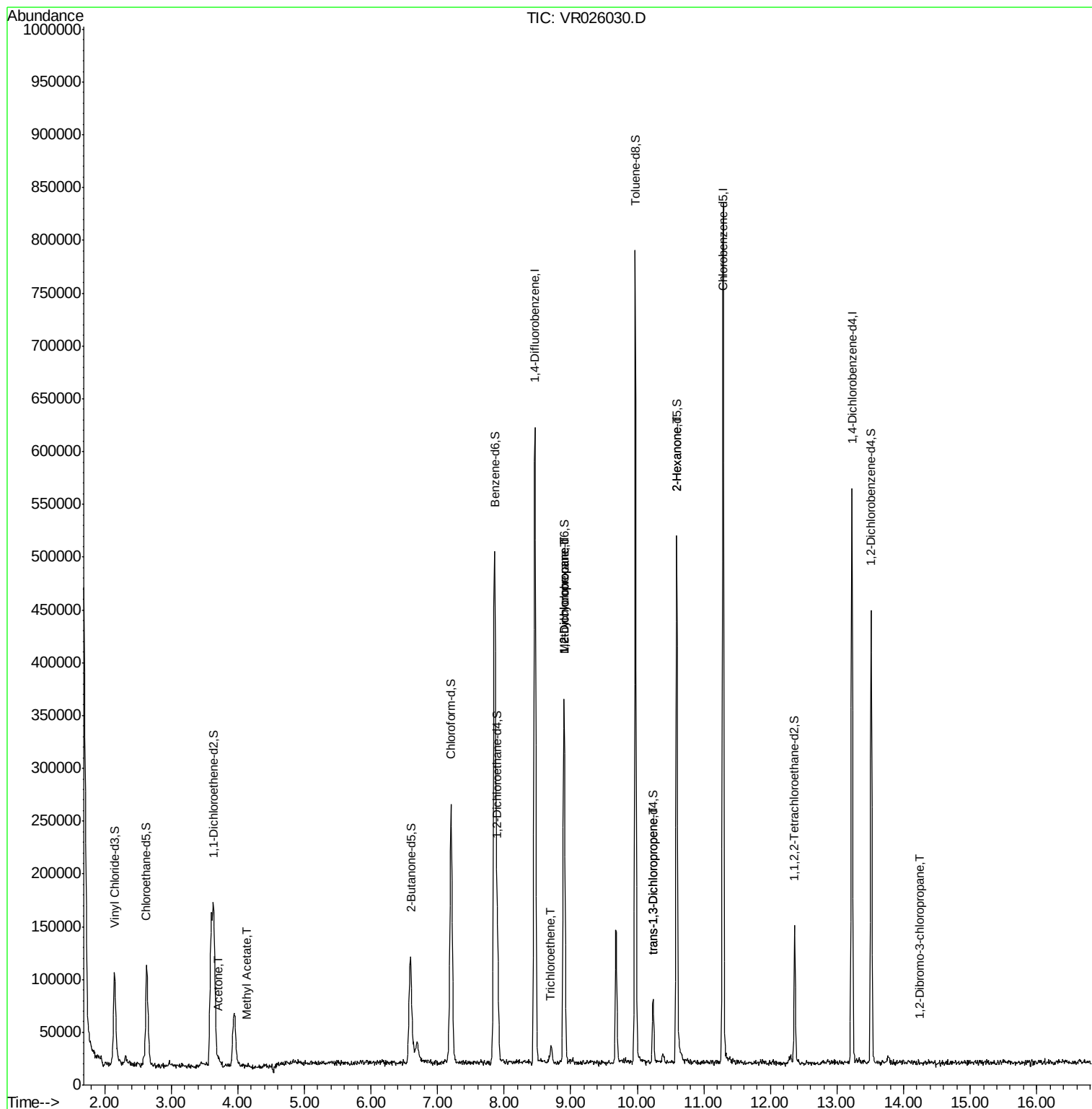
|                                |       |    |       |       |        | Qvalue |
|--------------------------------|-------|----|-------|-------|--------|--------|
| 13) Acetone                    | 3.70  | 43 | 6827  | 2.649 | ug/L   | 71     |
| 15) Methyl Acetate             | 4.14  | 43 | 1092  | 0.153 | ug/L # | 60     |
| 34) Trichloroethene            | 8.71  | 95 | 4248  | 0.141 | ug/L   | 90     |
| 35) Methylcyclohexane          | 8.90  | 83 | 31438 | 0.694 | ug/L # | 15     |
| 37) 1,2-Dichloropropane        | 8.89  | 63 | 18482 | 0.753 | ug/L # | 95     |
| 44) trans-1,3-Dichloropropene  | 10.24 | 75 | 1731  | 0.096 | ug/L   | 94     |
| 48) 2-Hexanone                 | 10.59 | 43 | 22027 | 3.898 | ug/L # | 67     |
| 66) 1,2-Dibromo-3-chloropropan | 14.24 | 75 | 233   | 0.226 | ug/L   | 89     |

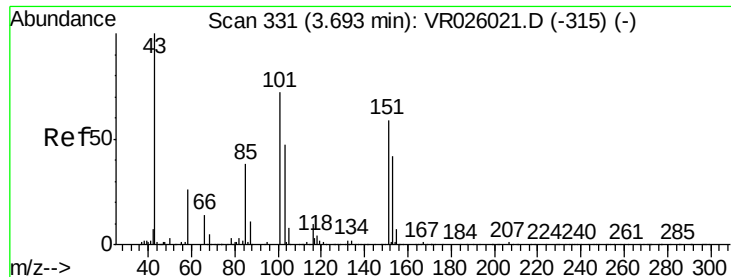
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data File : VR026030.D  
Acq On : 10 Oct 2018 15:22  
Operator : SY/MD  
Sample : J5380-04  
Misc : 25mL/MSVOA\_R/WATER  
ALS Vial : 11 Sample Multiplier: 1

Instrument :  
MSVOA\_R  
ClientSampleId :  
C0T20

Quant Time: Oct 11 04:15:28 2018  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_R\METHODS\SOMRTR092718WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Thu Oct 11 04:11:41 2018  
Response via : Initial Calibration





#13

Acetone

Concen: 2.649 ug/L

RT: 3.70 min Scan# 332

Delta R.T. 0.01 min

Lab File: VR026030.D

Acq: 10 Oct 2018 15:22

Instrument :

MSVOA\_R

ClientSampled :

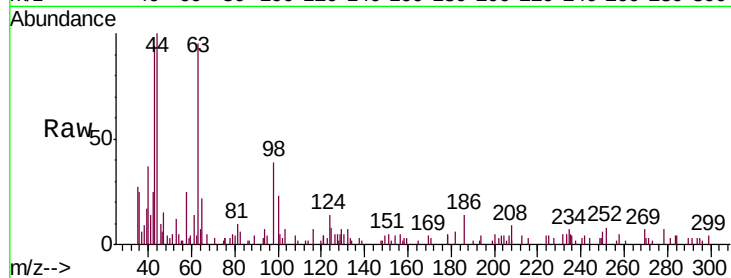
COT20

Tgt Ion: 43 Resp: 6827

Ion Ratio Lower Upper

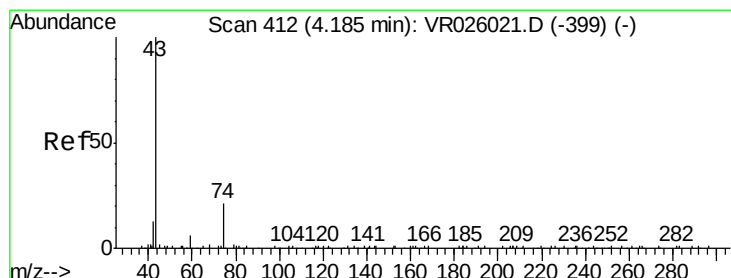
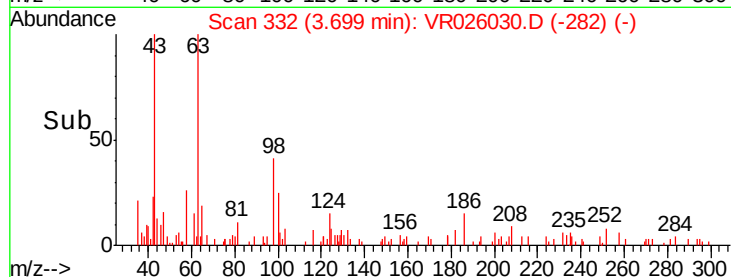
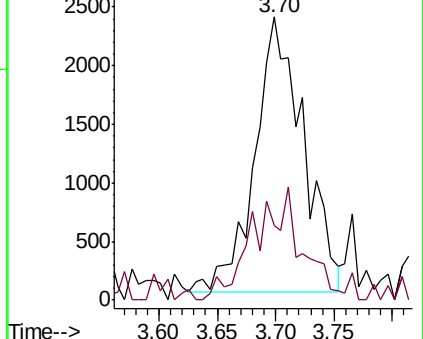
43 100

58 40.3 0.0 51.4



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0



#15

Methyl Acetate

Concen: 0.153 ug/L

RT: 4.14 min Scan# 405

Delta R.T. -0.04 min

Lab File: VR026030.D

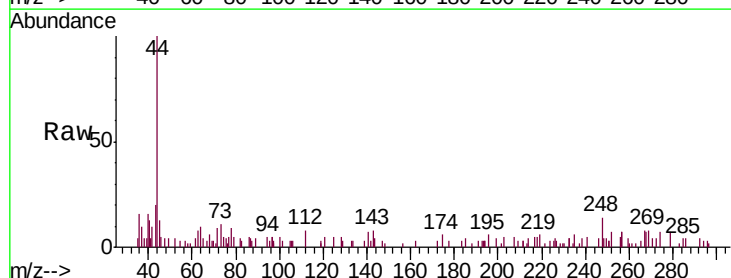
Acq: 10 Oct 2018 15:22

Tgt Ion: 43 Resp: 1092

Ion Ratio Lower Upper

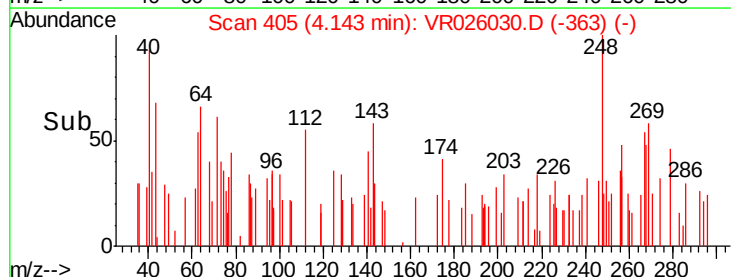
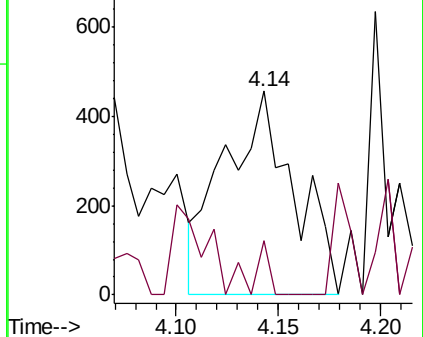
43 100

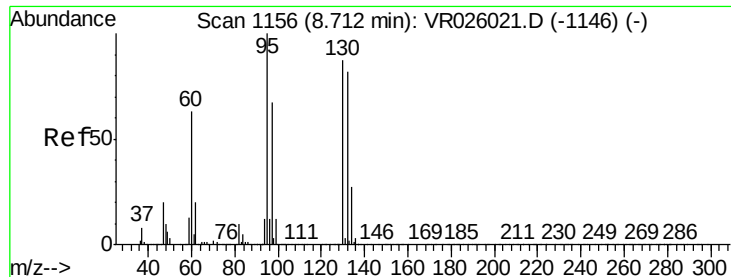
74 4.0 19.0 28.4#



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 74.05 (73.75 to 74.75): VR0





#34

Trichloroethene

Concen: 0.141 ug/L

RT: 8.71 min Scan# 1155

Delta R.T. -0.01 min

Lab File: VR026030.D

Acq: 10 Oct 2018 15:22

Instrument :

MSVOA\_R

ClientSampleId :

C0T20

Tgt Ion: 95 Resp: 4248

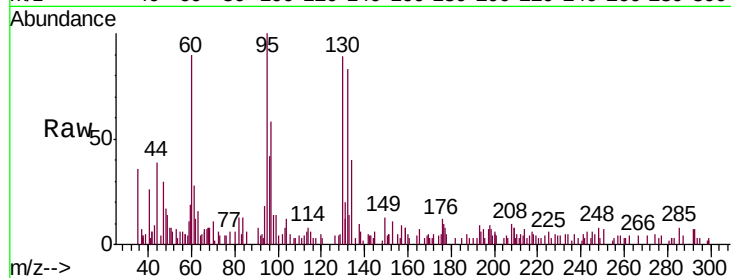
Ion Ratio Lower Upper

95 100

97 58.0 43.9 81.5

132 83.5 53.3 98.9

130 89.5 53.8 99.8

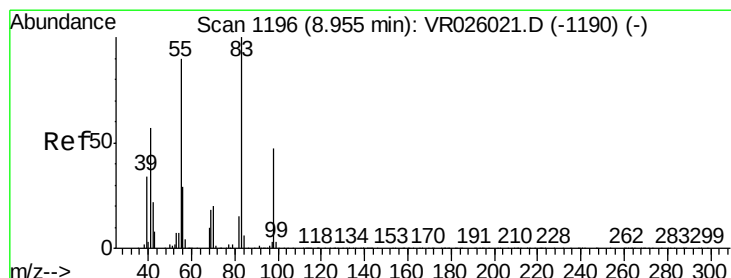
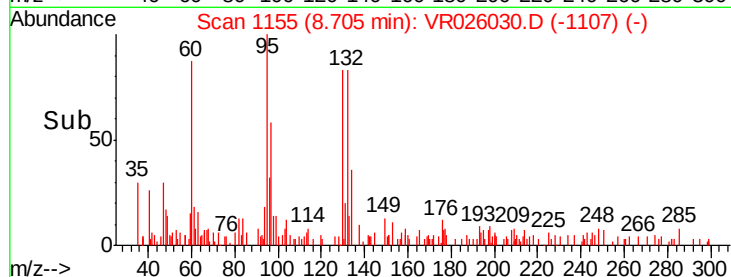
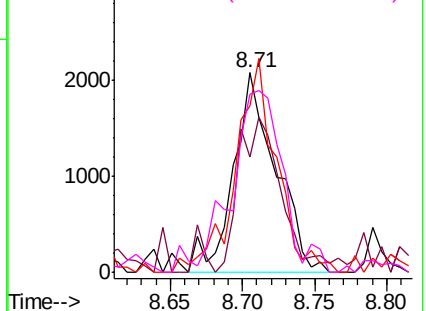


Abundance Ion 95.00 (94.70 to 95.70): VR0

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: 0.694 ug/L

RT: 8.90 min Scan# 1187

Delta R.T. -0.05 min

Lab File: VR026030.D

Acq: 10 Oct 2018 15:22

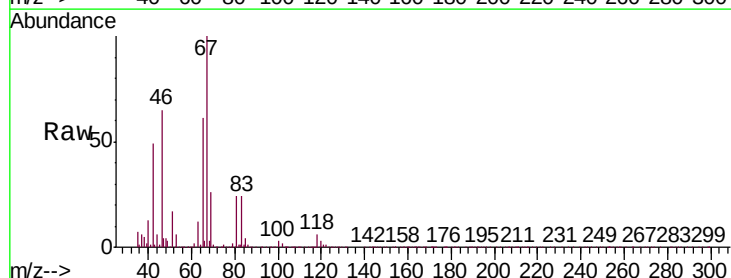
Tgt Ion: 83 Resp: 31438

Ion Ratio Lower Upper

83 100

55 1.6 71.8 107.6#

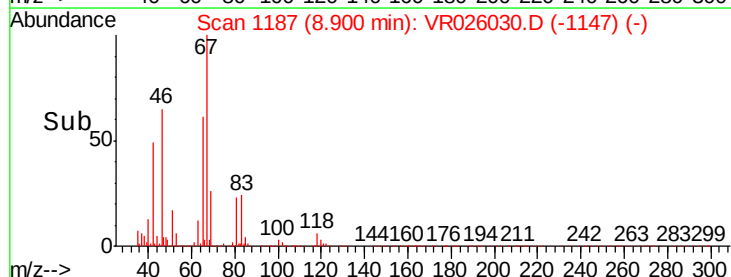
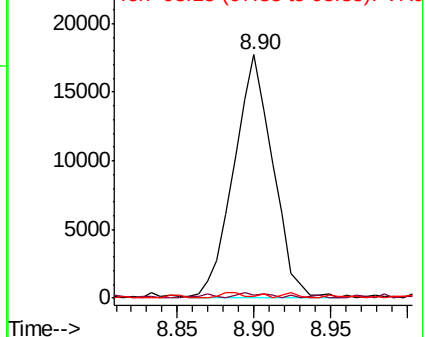
98 0.3 34.2 51.4#

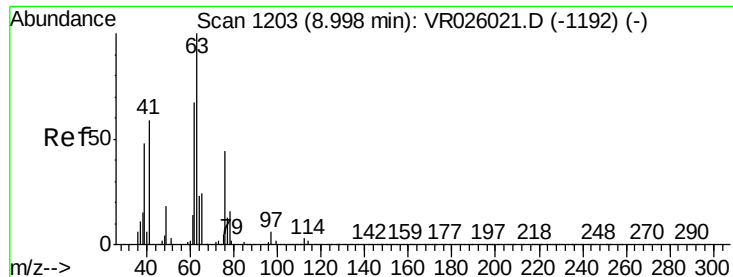


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0

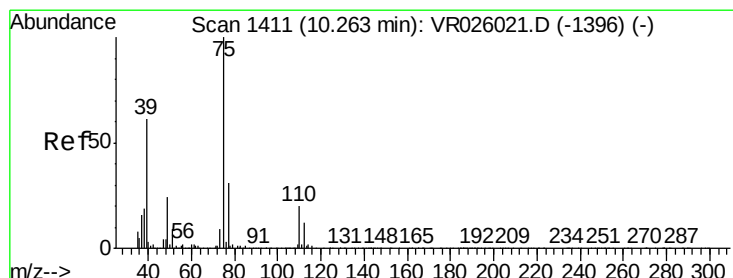
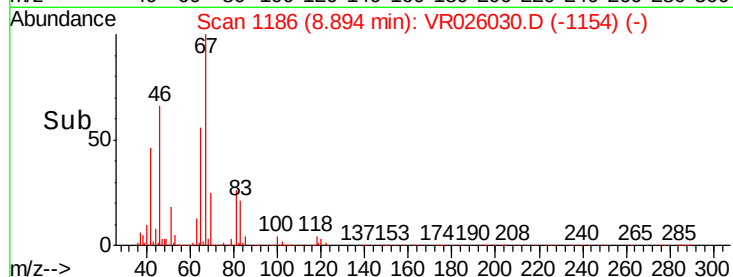
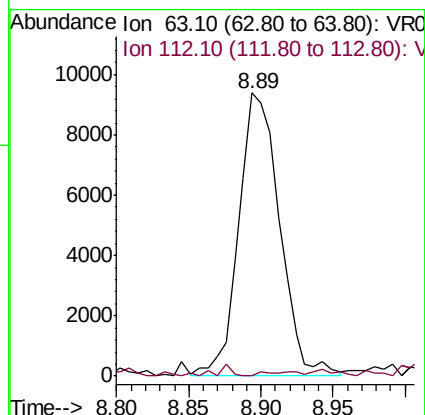
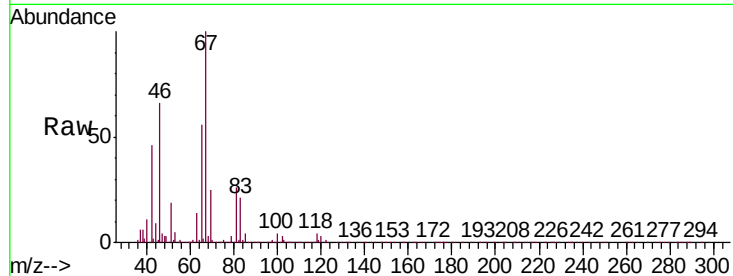




#37  
 1,2-Dichloropropane  
 Concen: 0.753 ug/L  
 RT: 8.89 min Scan# 1186  
 Delta R.T. -0.10 min  
 Lab File: VR026030.D  
 Acq: 10 Oct 2018 15:22

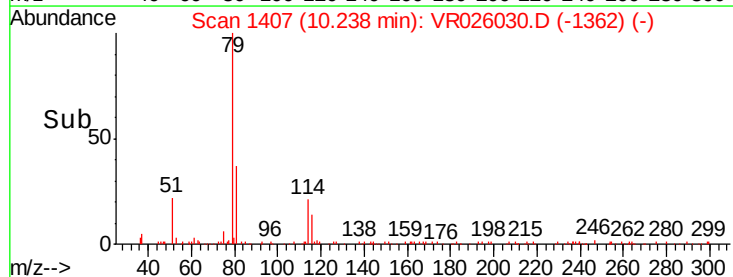
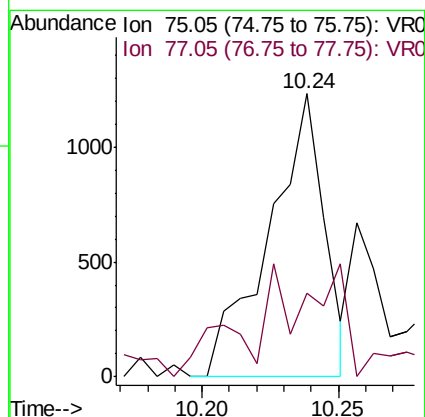
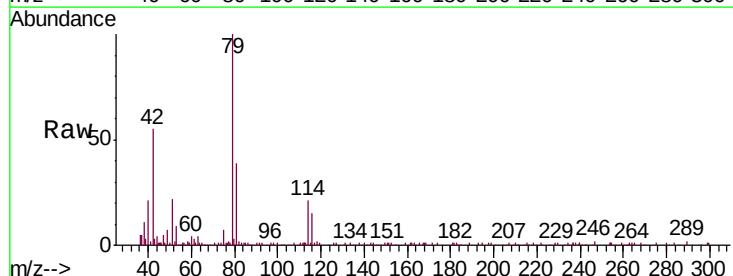
Instrument :  
 MSVOA\_R  
 ClientSampled :  
 COT20

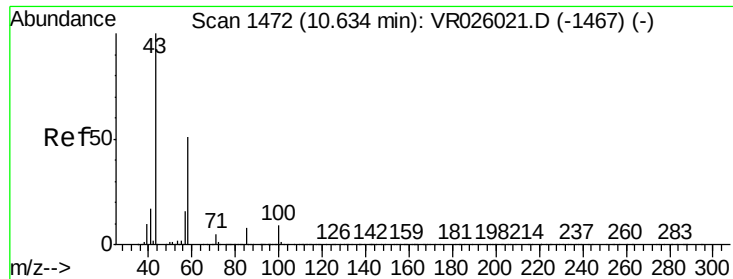
Tgt Ion: 63 Resp: 18482  
 Ion Ratio Lower Upper  
 63 100  
 112 1.3 2.5 3.7#



#44  
 trans-1,3-Dichloropropene  
 Concen: 0.096 ug/L  
 RT: 10.24 min Scan# 1407  
 Delta R.T. -0.02 min  
 Lab File: VR026030.D  
 Acq: 10 Oct 2018 15:22

Tgt Ion: 75 Resp: 1731  
 Ion Ratio Lower Upper  
 75 100  
 77 29.6 23.0 42.8

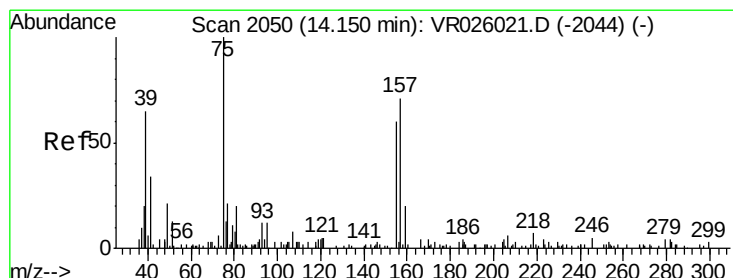
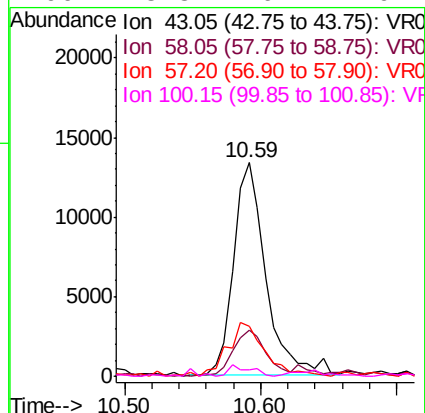
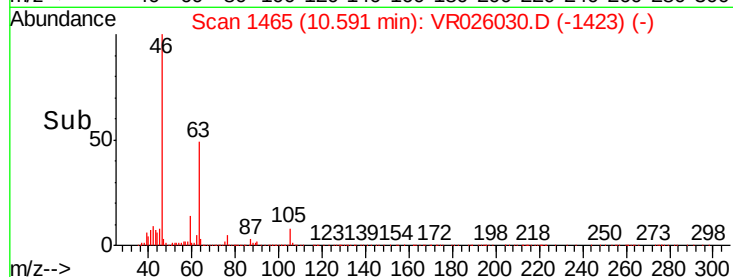
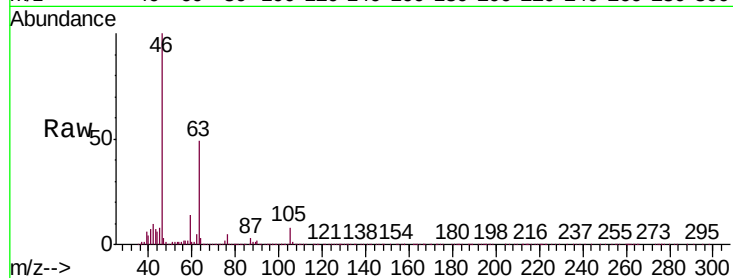




#48  
2-Hexanone  
Concen: 3.898 ug/L  
RT: 10.59 min Scan# 1465  
Delta R.T. -0.04 min  
Lab File: VR026030.D  
Acq: 10 Oct 2018 15:22

Instrument :  
MSVOA\_R  
ClientSampleId :  
COT20

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 43    | Resp: | 22027 |
| Ion      | Ratio | Lower | Upper |
| 43       | 100   |       |       |
| 58       | 22.1  | 39.5  | 59.3# |
| 57       | 29.1  | 14.6  | 21.8# |
| 100      | 3.8   | 6.7   | 10.1# |



#66  
1,2-Dibromo-3-chloropropane  
Concen: 0.226 ug/L  
RT: 14.24 min Scan# 2065  
Delta R.T. 0.09 min  
Lab File: VR026030.D  
Acq: 10 Oct 2018 15:22

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 75    | Resp: | 233   |
| Ion      | Ratio | Lower | Upper |
| 75       | 100   |       |       |
| 155      | 50.4  | 37.8  | 56.6  |
| 157      | 50.4  | 49.7  | 74.5  |

