

Data File : VR026379.D  
Acq On : 25 Feb 2019 17:21  
Operator : SY/MD  
Sample : K1589-04  
Misc : 25mL/MSVOA\_R/WATER  
ALS Vial : 12 Sample Multiplier: 1

Instrument :  
MSVOA\_R  
ClientSampleId :  
C09M5

Quant Time: Feb 26 06:22:11 2019  
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_R\METHODS\SOMRTR022219WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Tue Feb 26 06:18:07 2019  
Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.46  | 114  | 537392   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.28 | 117  | 453000   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.23 | 152  | 141675   | 5.00 | ug/L  | 0.00     |

#### System Monitoring Compounds

|                                |        |       |          |          |      |          |
|--------------------------------|--------|-------|----------|----------|------|----------|
| 4) Vinyl Chloride-d3           | 2.15   | 65    | 168523   | 3.21     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 64.20%   |
| 7) Chloroethane-d5             | 2.62   | 69    | 164731   | 3.82     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 76.40%   |
| 11) 1,1-Dichloroethene-d2      | 3.60   | 63    | 361536   | 2.93     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 58.60%#  |
| 20) 2-Butanone-d5              | 6.58   | 46    | 244683   | 63.77    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 127.54%  |
| 24) Chloroform-d               | 7.20   | 84    | 392639   | 4.58     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 91.60%   |
| 26) 1,2-Dichloroethane-d4      | 7.89   | 65    | 168397   | 4.84     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 96.80%   |
| 32) Benzene-d6                 | 7.85   | 84    | 686978   | 4.04     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 80.80%   |
| 36) 1,2-Dichloropropane-d6     | 8.89   | 67    | 191975   | 4.45     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 89.00%   |
| 41) Toluene-d8                 | 9.97   | 98    | 601221   | 3.92     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 78.40%   |
| 43) trans-1,3-Dichloropropene- | 10.23  | 79    | 46332    | 4.07     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 81.40%   |
| 46) 2-Hexanone-d5              | 10.59  | 63    | 192194   | 66.88    | ug/L | 0.00     |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 133.76%# |
| 57) 1,1,2,2-Tetrachloroethane- | 12.36  | 84    | 79036    | 4.83     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 96.60%   |
| 64) 1,2-Dichlorobenzene-d4     | 13.51  | 152   | 131196   | 5.36     | ug/L | 0.00     |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 107.20%  |

#### Target Compounds

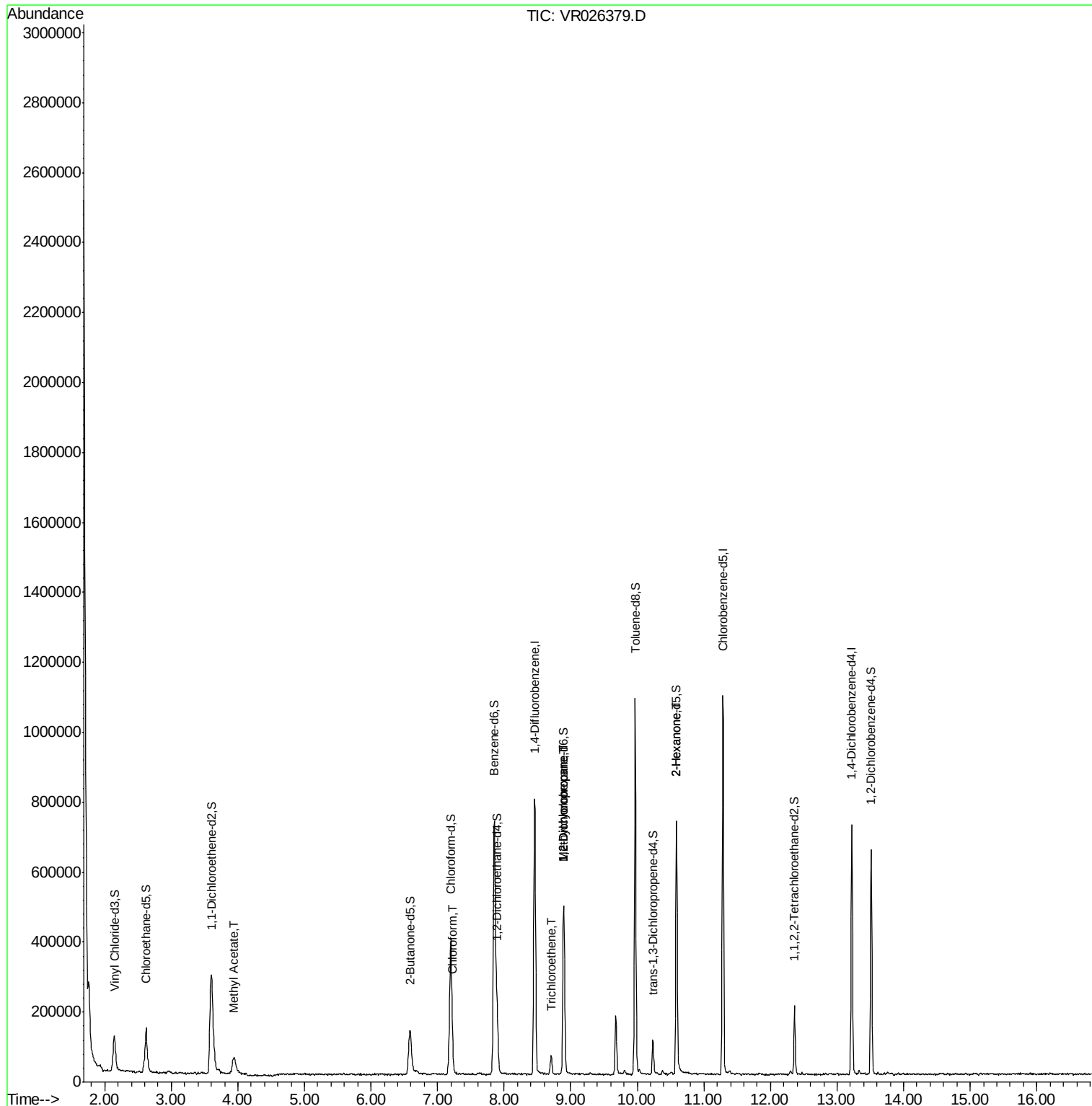
|                         |       |    |       |              | Qvalue |
|-------------------------|-------|----|-------|--------------|--------|
| 15) Methyl Acetate      | 3.94  | 43 | 27947 | 2.861 ug/L # | 57     |
| 25) Chloroform          | 7.23  | 83 | 9357  | 0.124 ug/L   | 96     |
| 34) Trichloroethene     | 8.71  | 95 | 15277 | 0.349 ug/L   | 90     |
| 35) Methylcyclohexane   | 8.90  | 83 | 48938 | 0.788 ug/L # | 15     |
| 37) 1,2-Dichloropropane | 8.89  | 63 | 25573 | 0.692 ug/L # | 89     |
| 48) 2-Hexanone          | 10.59 | 43 | 31281 | 4.479 ug/L # | 71     |

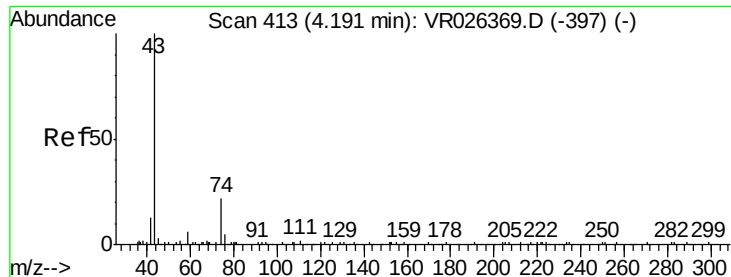
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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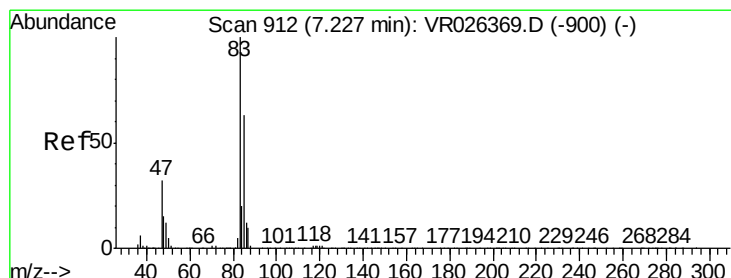
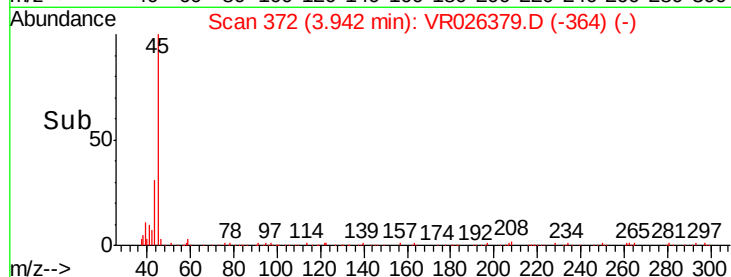
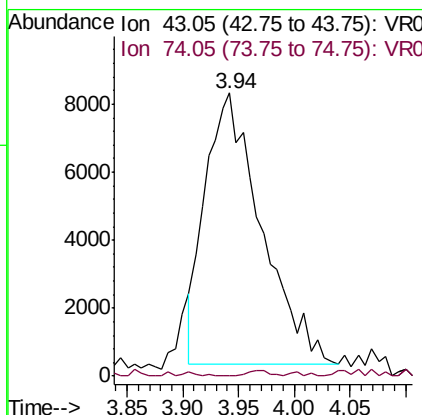
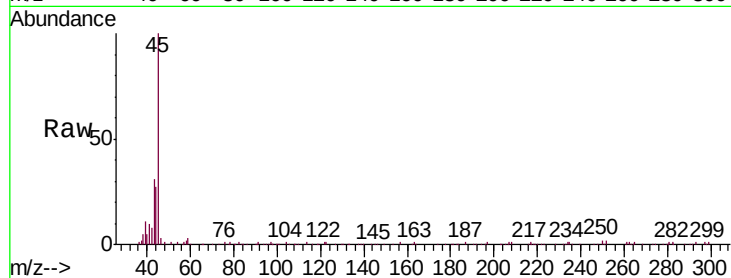




#15  
Methyl Acetate  
Concen: 2.861 ug/L  
RT: 3.94 min Scan# 372  
Delta R.T. -0.25 min  
Lab File: VR026379.D  
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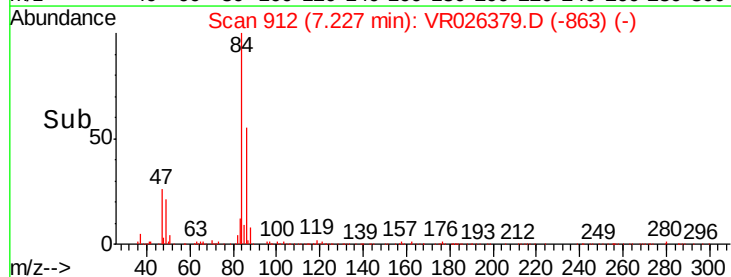
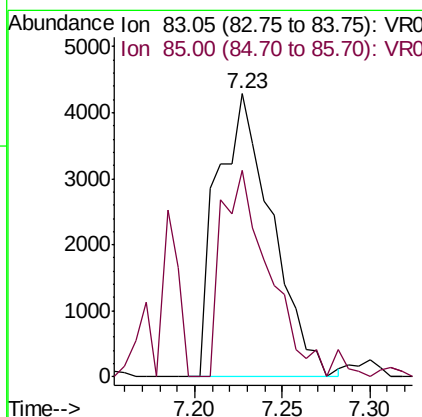
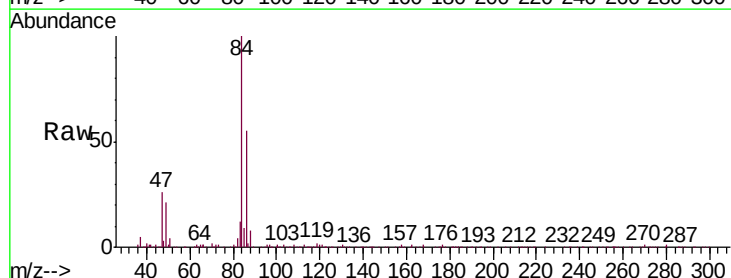
Instrument :  
MSVOA\_R  
ClientSampleId :  
C09M5

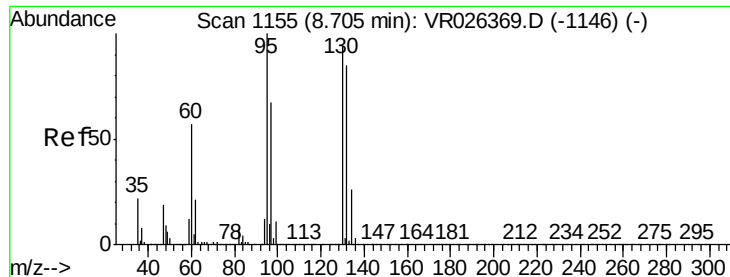
Tgt Ion: 43 Resp: 27947  
Ion Ratio Lower Upper  
43 100  
74 0.8 16.6 25.0#



#25  
Chloroform  
Concen: 0.124 ug/L  
RT: 7.23 min Scan# 912  
Delta R.T. -0.00 min  
Lab File: VR026379.D  
Acq: 25 Feb 2019 17:21

Tgt Ion: 83 Resp: 9357  
Ion Ratio Lower Upper  
83 100  
85 72.8 48.6 90.2





#34

Trichloroethene

Concen: 0.349 ug/L

RT: 8.71 min Scan# 1155

Delta R.T. -0.00 min

Lab File: VR026379.D

Acq: 25 Feb 2019 17:21

Instrument :

MSVOA\_R

ClientSampleId :

C09M5

Tgt Ion: 95 Resp: 15277

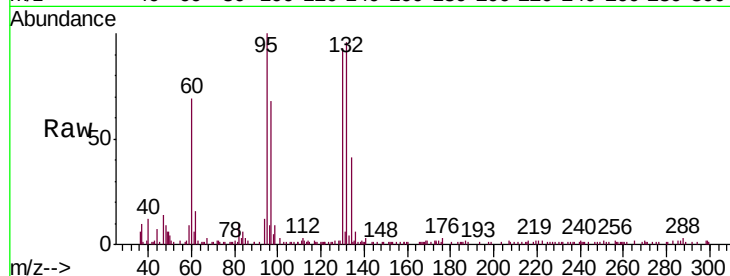
Ion Ratio Lower Upper

95 100

97 67.7 43.5 80.7

132 95.9 58.6 108.8

130 92.7 59.4 110.2

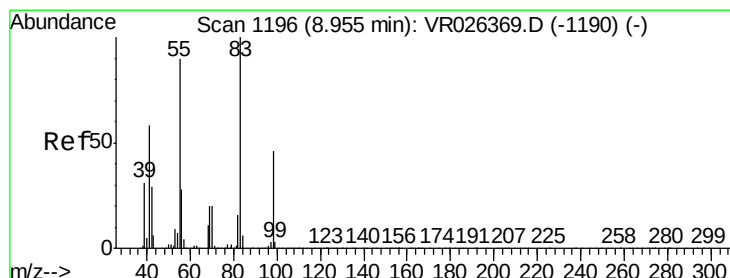
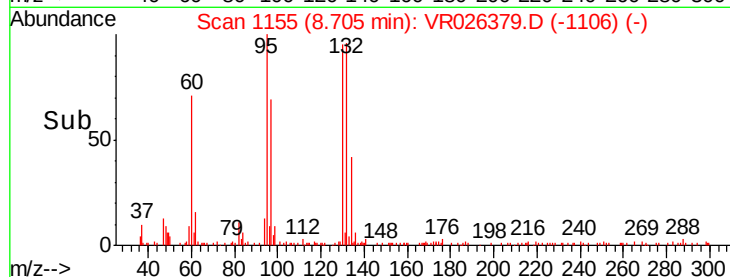
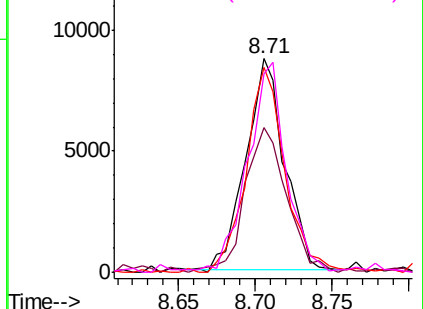


Abundance Ion 95.00 (94.70 to 95.70): VR0

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: 0.788 ug/L

RT: 8.90 min Scan# 1187

Delta R.T. -0.05 min

Lab File: VR026379.D

Acq: 25 Feb 2019 17:21

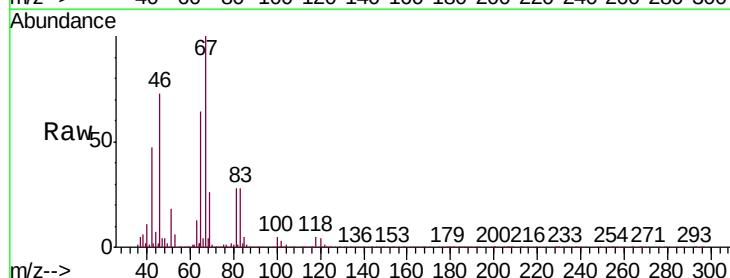
Tgt Ion: 83 Resp: 48938

Ion Ratio Lower Upper

83 100

55 1.0 72.2 108.2#

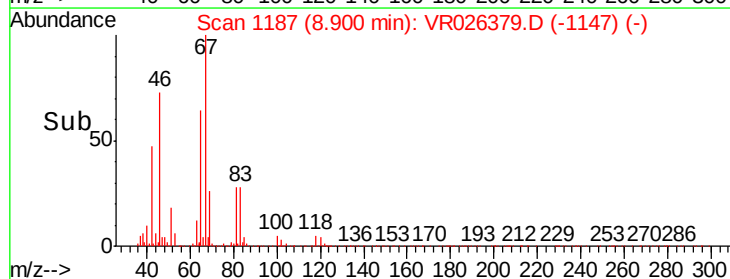
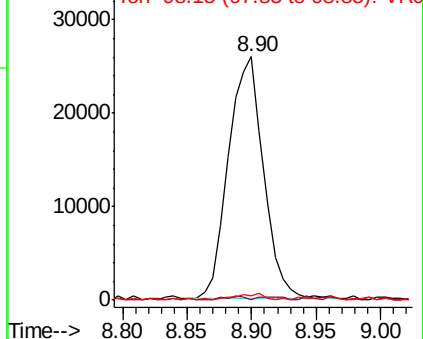
98 2.0 35.0 52.4#

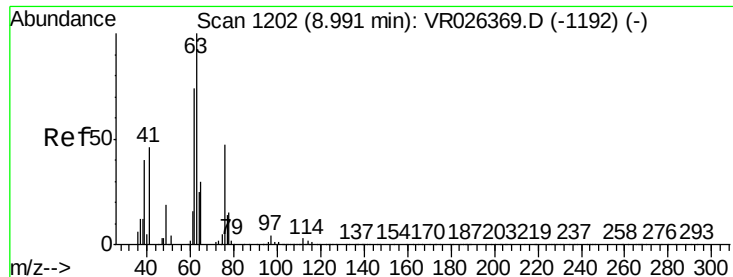


Abundance Ion 83.15 (82.85 to 83.85): VR0

Ion 55.10 (54.80 to 55.80): VR0

Ion 98.15 (97.85 to 98.85): VR0

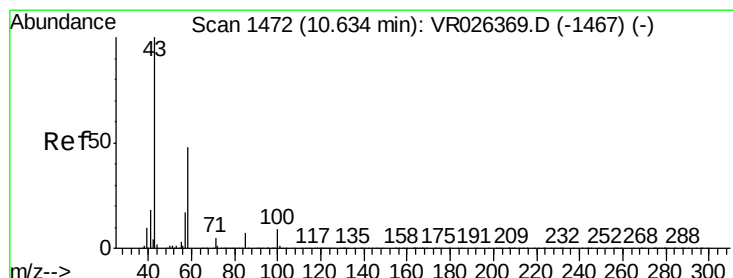
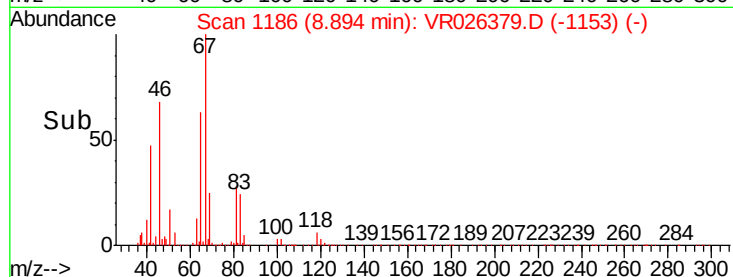
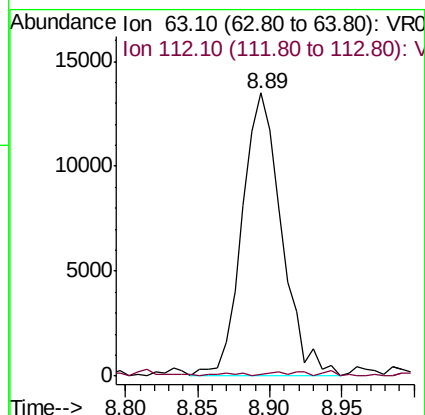
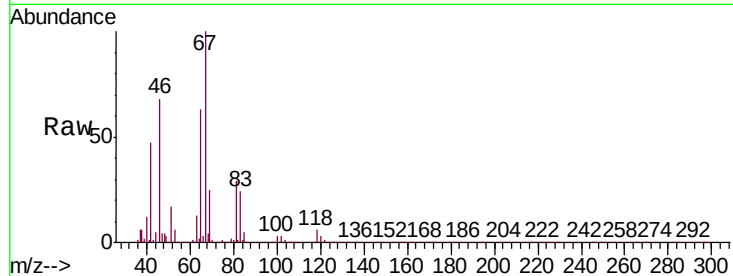




#37  
 1,2-Dichloropropane  
 Concen: 0.692 ug/L  
 RT: 8.89 min Scan# 1186  
 Delta R.T. -0.10 min  
 Lab File: VR026379.D  
 Acq: 25 Feb 2019 17:21

Instrument :  
 MSVOA\_R  
 ClientSampleId :  
 C09M5

Tgt Ion: 63 Resp: 25573  
 Ion Ratio Lower Upper  
 63 100  
 112 0.8 3.6 5.4#



#48  
 2-Hexanone  
 Concen: 4.479 ug/L  
 RT: 10.59 min Scan# 1464  
 Delta R.T. -0.05 min  
 Lab File: VR026379.D  
 Acq: 25 Feb 2019 17:21

Tgt Ion: 43 Resp: 31281  
 Ion Ratio Lower Upper  
 43 100  
 58 26.9 38.4 57.6#  
 57 29.6 13.2 19.8#  
 100 4.7 6.3 9.5#

