

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR100818\  
 Data File : VR026003.D  
 Acq On : 9 Oct 2018 2:36  
 Operator : SY/MD  
 Sample : J5279-15  
 Misc : 25mL/MSVOA R/WATER  
 ALS Vial : 29 Sample Multiplier: 1

Instrument :  
 MSVOA\_R  
 ClientSampleId :

Quant Time: Oct 09 06:52:38 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_R\METHODS\SOMRTR092718WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Tue Oct 09 06:51:21 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.46  | 114  | 408862   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.29 | 117  | 348496   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.22 | 152  | 113698   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.15   | 65    | 175620   | 5.45     | ug/L | -0.01   |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 109.00% |
| 7) Chloroethane-d5             | 2.63   | 69    | 158488   | 6.01     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 120.20% |
| 11) 1,1-Dichloroethene-d2      | 3.60   | 63    | 160666   | 2.12     | ug/L | -0.04   |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 42.40%# |
| 20) 2-Butanone-d5              | 6.59   | 46    | 192281   | 53.49    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 106.98% |
| 24) Chloroform-d               | 7.20   | 84    | 273956   | 4.88     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 97.60%  |
| 26) 1,2-Dichloroethane-d4      | 7.90   | 65    | 126239   | 5.23     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 104.60% |
| 32) Benzene-d6                 | 7.85   | 84    | 541520   | 4.67     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 93.40%  |
| 36) 1,2-Dichloropropane-d6     | 8.90   | 67    | 153092   | 4.90     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 98.00%  |
| 41) Toluene-d8                 | 9.97   | 98    | 497684   | 4.57     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 91.40%  |
| 43) trans-1,3-Dichloropropene- | 10.24  | 79    | 31696    | 4.47     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 89.40%  |
| 46) 2-Hexanone-d5              | 10.59  | 63    | 142530   | 52.68    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 105.36% |
| 57) 1,1,2,2-Tetrachloroethane- | 12.36  | 84    | 59990    | 4.73     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 94.60%  |
| 64) 1,2-Dichlorobenzene-d4     | 13.51  | 152   | 94946    | 5.21     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 104.20% |

## Target Compounds

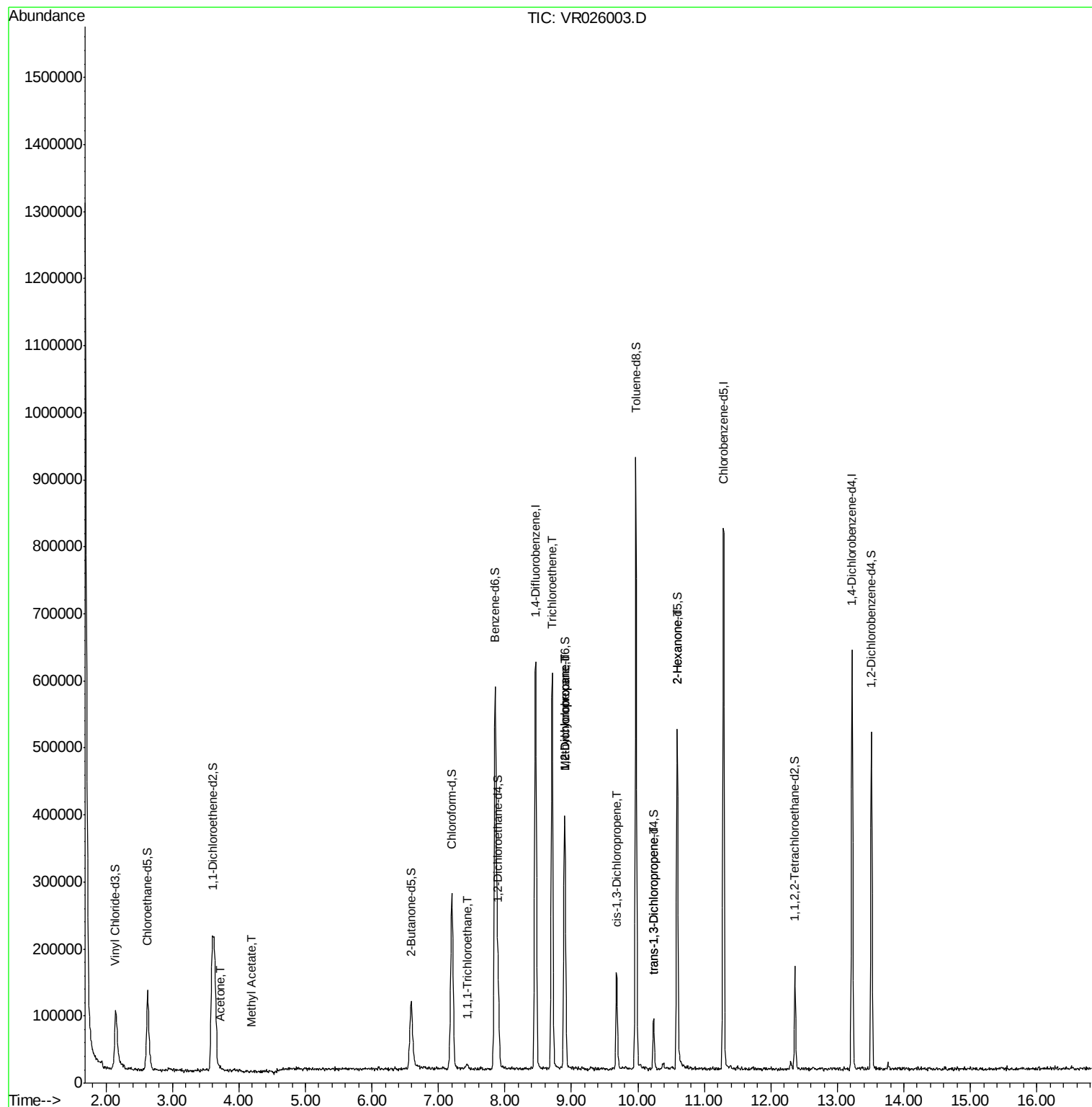
|                               |       |    |        |              | Ovalue |
|-------------------------------|-------|----|--------|--------------|--------|
| 13) Acetone                   | 3.71  | 43 | 3413   | 1.310 ug/L   | 83     |
| 15) Methyl Acetate            | 4.19  | 43 | 729    | 0.101 ug/L # | 61     |
| 29) 1,1,1-Trichloroethane     | 7.43  | 97 | 5269   | 0.134 ug/L # | 85     |
| 34) Trichloroethene           | 8.71  | 95 | 184818 | 6.001 ug/L   | 92     |
| 35) Methylcyclohexane         | 8.90  | 83 | 36874  | 0.796 ug/L # | 17     |
| 37) 1,2-Dichloropropane       | 8.90  | 63 | 19665  | 0.784 ug/L # | 95     |
| 39) cis-1,3-Dichloropropene   | 9.68  | 75 | 4537   | 0.161 ug/L   | 89     |
| 44) trans-1,3-Dichloropropene | 10.24 | 75 | 2478   | 0.135 ug/L   | 92     |
| 48) 2-Hexanone                | 10.59 | 43 | 24028  | 4.162 ug/L # | 72     |

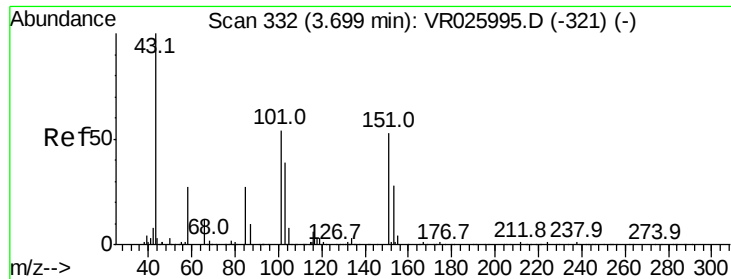
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 1.310 ug/L

RT: 3.71 min Scan# 334

Delta R.T. 0.01 min

Lab File: VR026003.D

Acq: 9 Oct 2018 2:36

Instrument :

MSVOA\_R

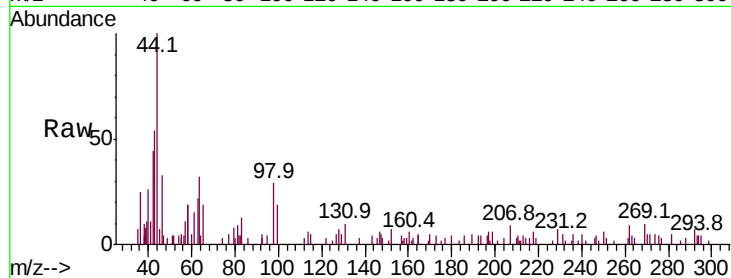
ClientSampled :

Tot Ion: 43 Resp: 3413

Ion Ratio Lower Upper

43 100

58 34.4 0.0 51.4



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0

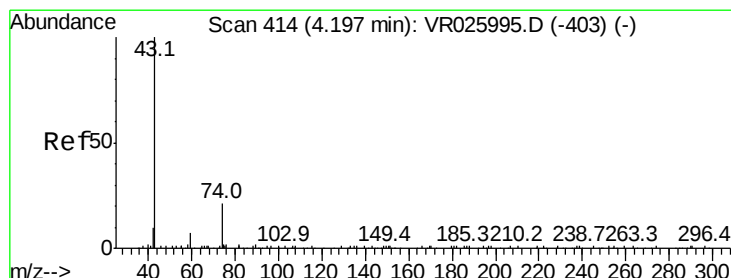
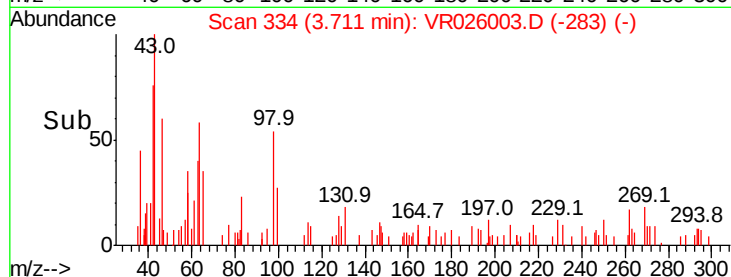
3.71

1000

500

0

Time--> 3.60 3.65 3.70 3.75



#15

Methyl Acetate

Concen: 0.101 ug/L

RT: 4.19 min Scan# 413

Delta R.T. -0.01 min

Lab File: VR026003.D

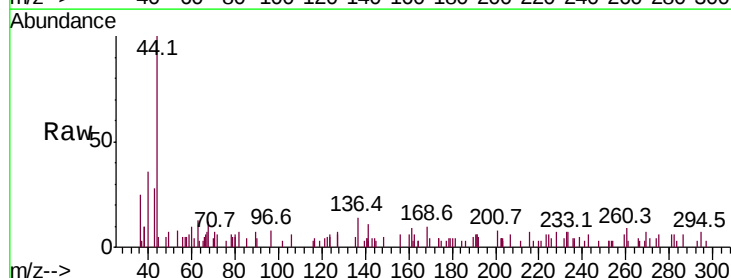
Acq: 9 Oct 2018 2:36

Tgt Ion: 43 Resp: 729

Ion Ratio Lower Upper

43 100

74 4.7 19.0 28.4#



Abundance Ion 43.05 (42.75 to 43.75): VR0

Ion 74.05 (73.75 to 74.75): VR0

4.19

600

500

400

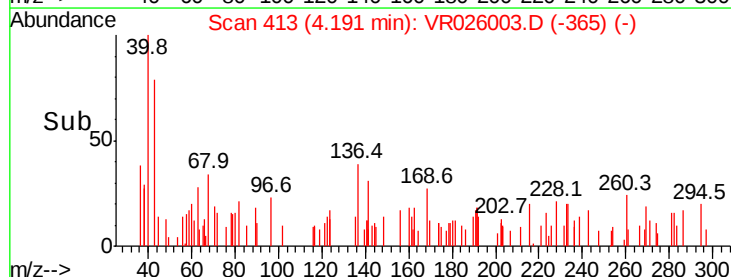
300

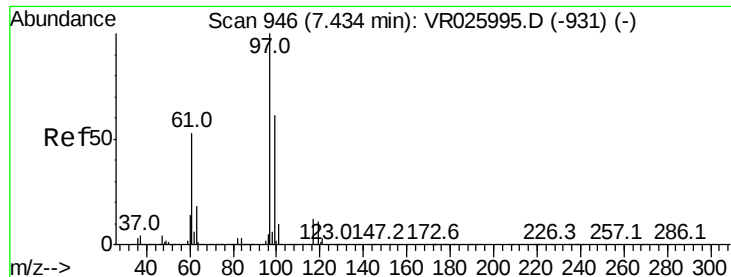
200

100

0

Time--> 4.16 4.18 4.20 4.22

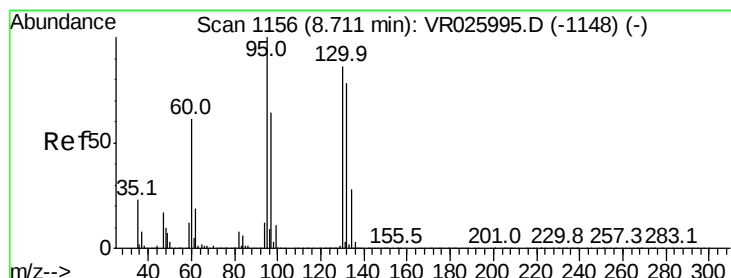
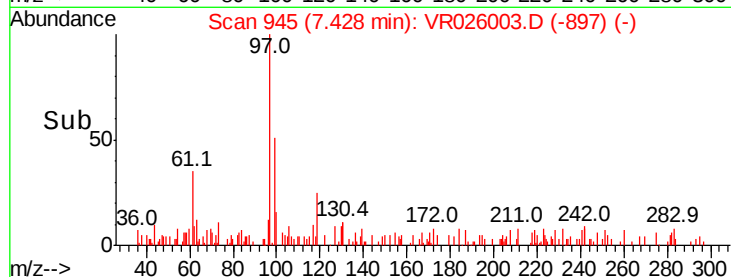
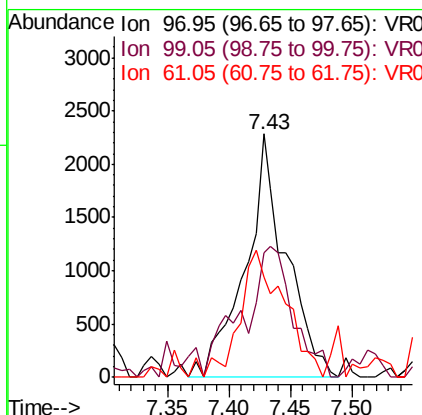
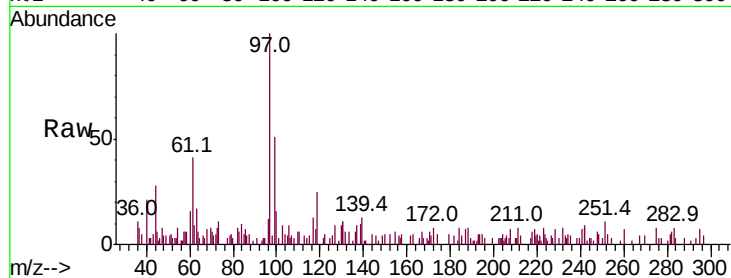




#29  
 1,1,1-Trichloroethane  
 Concen: 0.134 ug/L  
 RT: 7.43 min Scan# 945  
 Delta R.T. -0.01 min  
 Lab File: VR026003.D  
 Acq: 9 Oct 2018 2:36

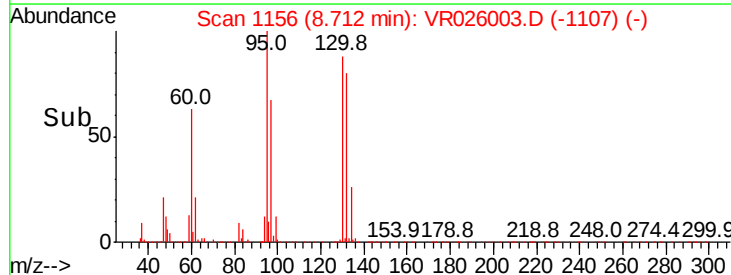
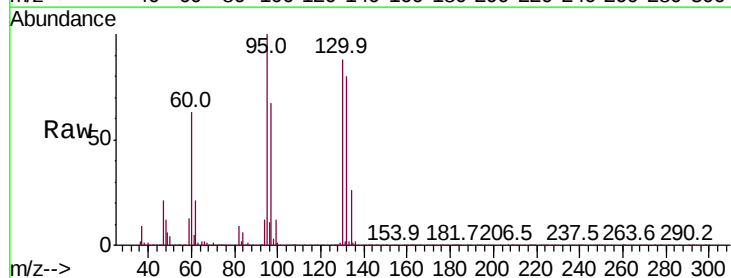
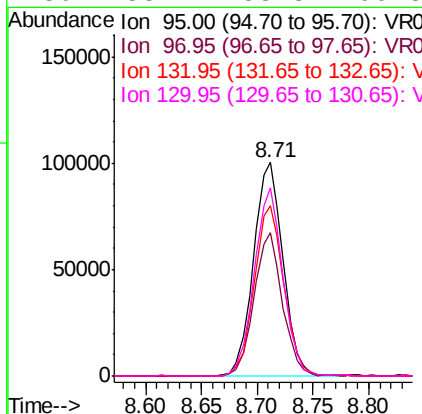
Instrument :  
 MSVOA\_R  
 ClientSampleId :

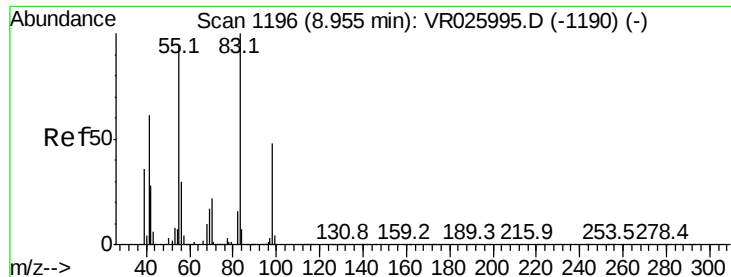
Tot Ion: 97 Resp: 5269  
 Ion Ratio Lower Upper  
 97 100  
 99 46.8 51.0 76.6#  
 61 56.5 41.6 62.4



#34  
 Trichloroethene  
 Concen: 6.001 ug/L  
 RT: 8.71 min Scan# 1156  
 Delta R.T. 0.00 min  
 Lab File: VR026003.D  
 Acq: 9 Oct 2018 2:36

Tgt Ion: 95 Resp: 184818  
 Ion Ratio Lower Upper  
 95 100  
 97 66.9 43.9 81.5  
 132 79.7 53.3 98.9  
 130 88.1 53.8 99.8

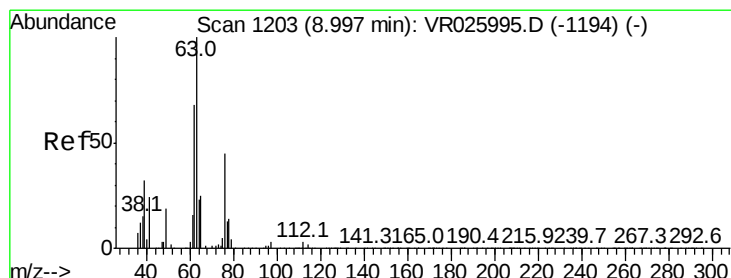
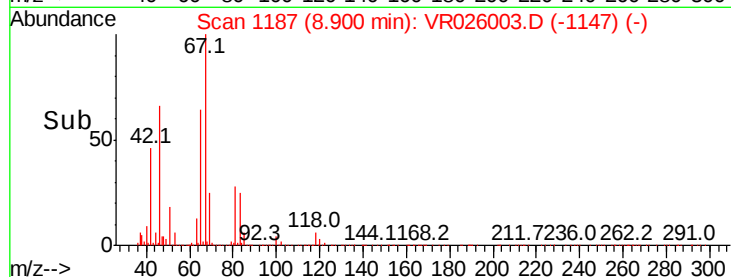
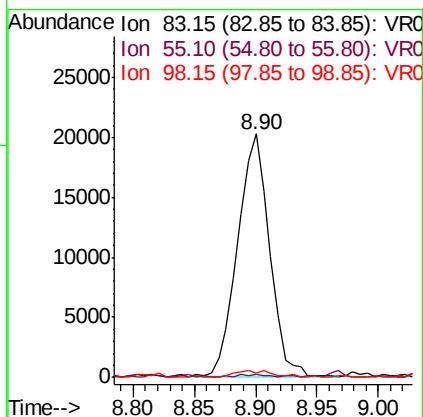
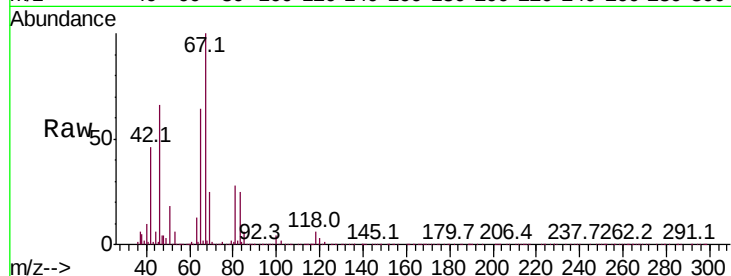




#35  
Methvlcvclohexane  
Concen: 0.796 ug/L  
RT: 8.90 min Scan# 1187  
Delta R.T. -0.05 min  
Lab File: VR026003.D  
Acq: 9 Oct 2018 2:36

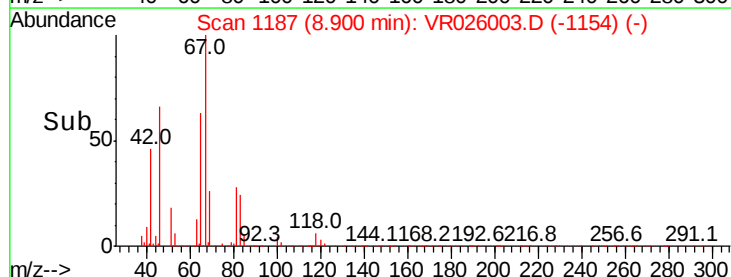
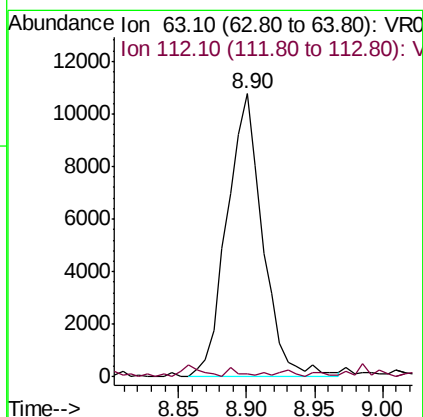
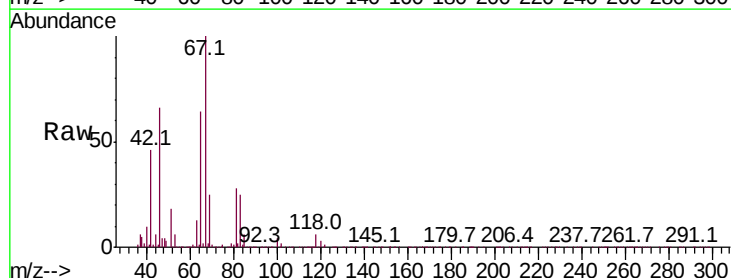
Instrument :  
MSVOA\_R  
ClientSampleId :

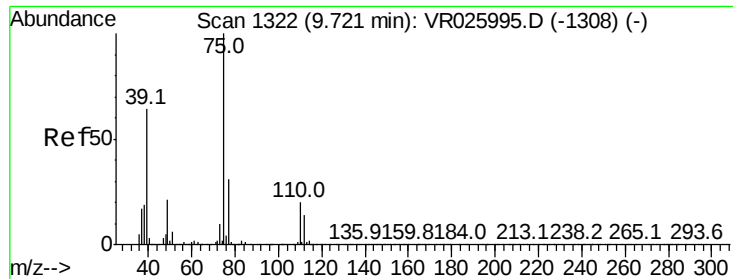
Tot Ion: 83 Resp: 36874  
Ion Ratio Lower Upper  
83 100  
55 1.6 71.8 107.6#  
98 3.4 34.2 51.4#



#37  
1,2-Dichloropropane  
Concen: 0.784 ug/L  
RT: 8.90 min Scan# 1187  
Delta R.T. -0.10 min  
Lab File: VR026003.D  
Acq: 9 Oct 2018 2:36

Tgt Ion: 63 Resp: 19665  
Ion Ratio Lower Upper  
63 100  
112 1.3 2.5 3.7#



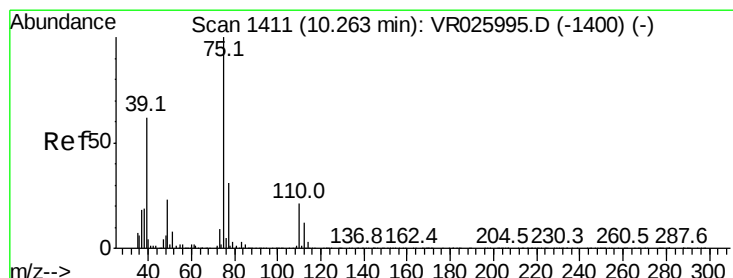
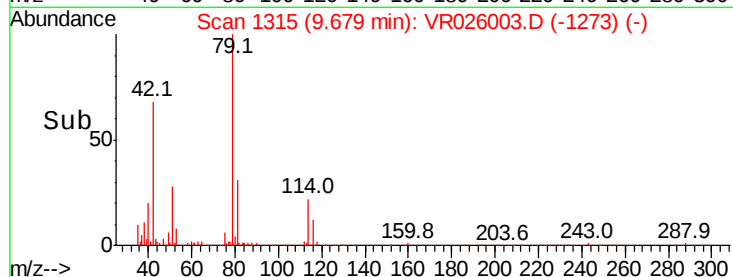
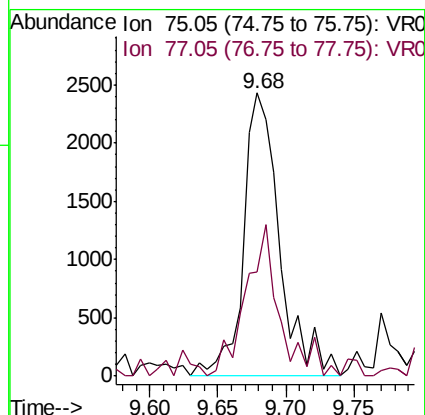
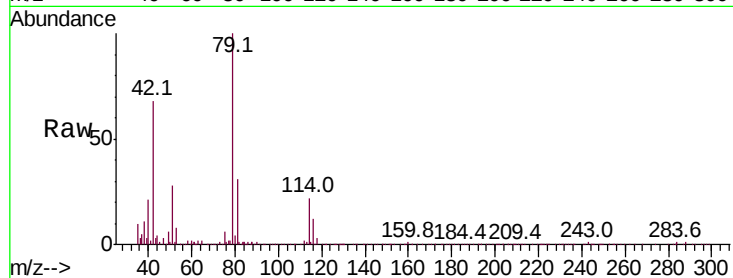


#39

cis-1,3-Dichloropropene  
Concen: 0.161 ug/L  
RT: 9.68 min Scan# 1315  
Delta R.T. -0.04 min  
Lab File: VR026003.D  
Acq: 9 Oct 2018 2:36

Instrument :  
MSVOA\_R  
ClientSampled :

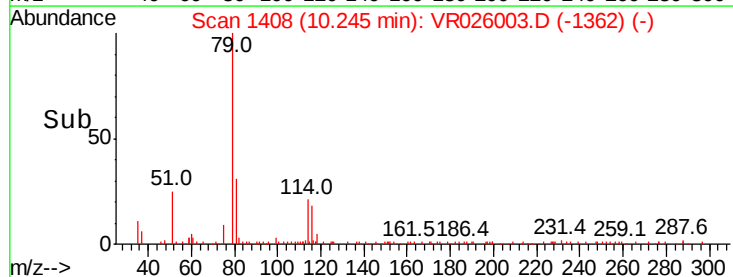
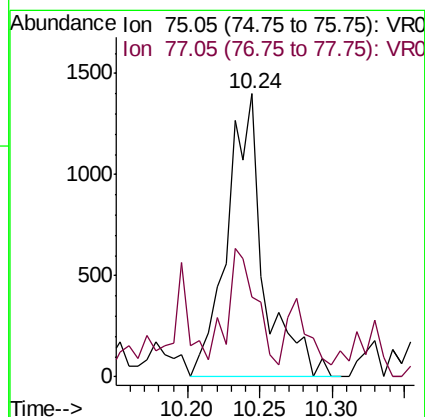
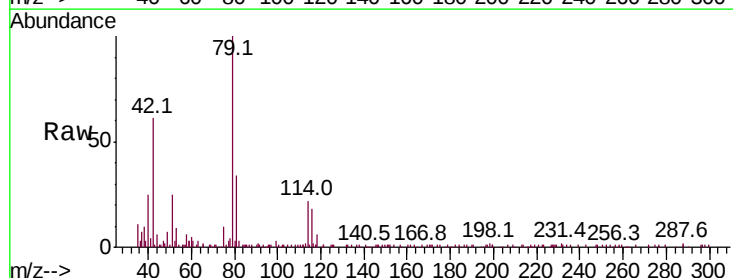
Tot Ion: 75 Resp: 4537  
Ion Ratio Lower Upper  
75 100  
77 36.8 21.5 39.9

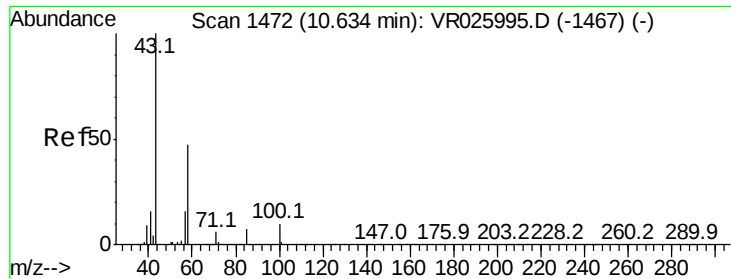


#44

trans-1,3-Dichloropropene  
Concen: 0.135 ug/L  
RT: 10.24 min Scan# 1408  
Delta R.T. -0.02 min  
Lab File: VR026003.D  
Acq: 9 Oct 2018 2:36

Tgt Ion: 75 Resp: 2478  
Ion Ratio Lower Upper  
75 100  
77 28.1 23.0 42.8





#48  
 2-Hexanone  
 Concen: 4.162 ug/L  
 RT: 10.59 min Scan# 1465  
 Delta R.T. -0.04 min  
 Lab File: VR026003.D  
 Acq: 9 Oct 2018 2:36

Instrument :  
 MSVOA\_R  
 ClientSampleId :

Tot Ion: 43 Resp: 24028  
 Ion Ratio Lower Upper  
 43 100  
 58 24.2 39.5 59.3#  
 57 22.8 14.6 21.8#  
 100 2.7 6.7 10.1#

