

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR092718\  
 Data File : VR025883.D  
 Acq On : 27 Sep 2018 20:35  
 Operator : SY/MD  
 Sample : J5119-04  
 Misc : 25mL/MSVOA R/WATER  
 ALS Vial : 15 Sample Multiplier: 1

Instrument :  
 MSVOA\_R  
 ClientSampleId :

Quant Time: Sep 28 05:45:38 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_R\METHODS\SOMRTR092718WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Sep 28 05:44:06 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.46  | 114  | 489182   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.29 | 117  | 403350   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.22 | 152  | 134342   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.15   | 65    | 197113   | 5.11     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 102.20% |
| 7) Chloroethane-d5             | 2.62   | 69    | 168126   | 5.33     | ug/L | -0.01   |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 106.60% |
| 11) 1,1-Dichloroethene-d2      | 3.63   | 63    | 344820   | 3.81     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 76.20%  |
| 20) 2-Butanone-d5              | 6.59   | 46    | 236681   | 55.04    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 110.08% |
| 24) Chloroform-d               | 7.20   | 84    | 319714   | 4.76     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 95.20%  |
| 26) 1,2-Dichloroethane-d4      | 7.89   | 65    | 145208   | 5.03     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 100.60% |
| 32) Benzene-d6                 | 7.85   | 84    | 671221   | 5.00     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 100.00% |
| 36) 1,2-Dichloropropane-d6     | 8.90   | 67    | 182670   | 5.05     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 101.00% |
| 41) Toluene-d8                 | 9.97   | 98    | 618038   | 4.90     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 98.00%  |
| 43) trans-1,3-Dichloropropene- | 10.24  | 79    | 36928    | 4.50     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 90.00%  |
| 46) 2-Hexanone-d5              | 10.59  | 63    | 172600   | 55.12    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 110.24% |
| 57) 1,1,2,2-Tetrachloroethane- | 12.36  | 84    | 70311    | 4.79     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 95.80%  |
| 64) 1,2-Dichlorobenzene-d4     | 13.51  | 152   | 108820   | 5.06     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 101.20% |

## Target Compounds

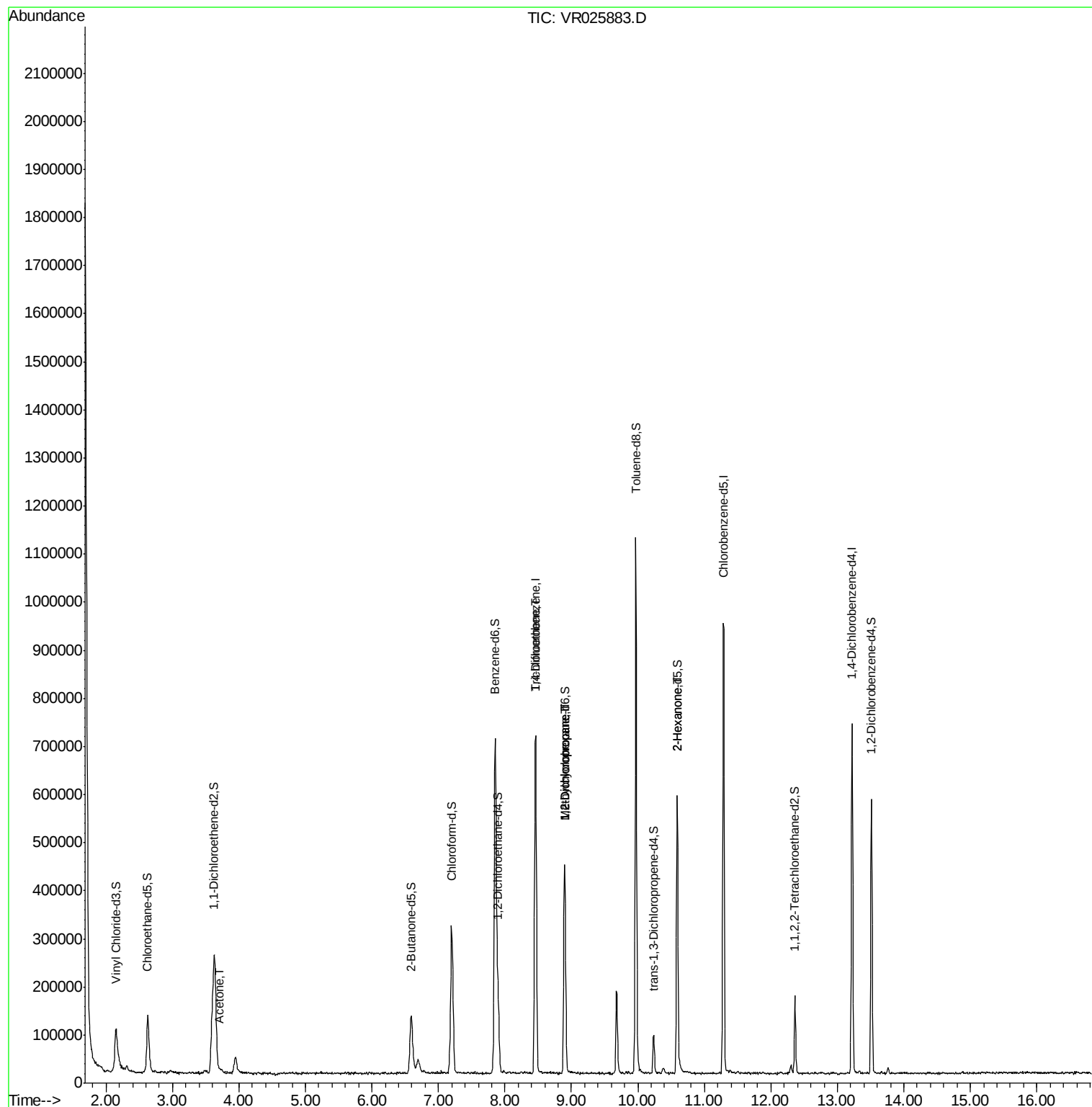
|                         |       |    |       |              | Ovalue |
|-------------------------|-------|----|-------|--------------|--------|
| 13) Acetone             | 3.70  | 43 | 5671  | 1.819 ug/L   | 79     |
| 34) Trichloroethene     | 8.46  | 95 | 17959 | 0.504 ug/L # | 15     |
| 35) Methylcyclohexane   | 8.90  | 83 | 40802 | 0.761 ug/L # | 17     |
| 37) 1,2-Dichloropropane | 8.90  | 63 | 22480 | 0.775 ug/L # | 92     |
| 48) 2-Hexanone          | 10.59 | 43 | 26288 | 3.934 ug/L # | 47     |

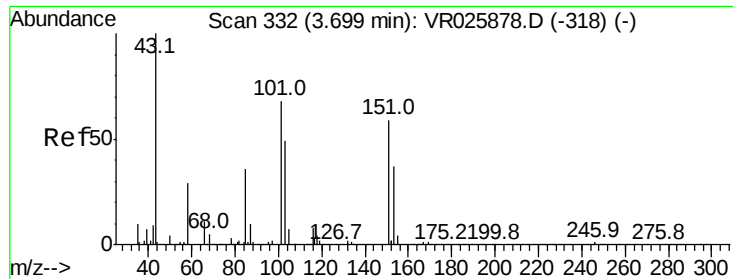
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Sep 28 05:44:06 2018  
Response via : Initial Calibration





#13

Acetone

Concen: 1.819 ug/L

RT: 3.70 min Scan# 333

Delta R.T. 0.01 min

Lab File: VR025883.D

Acq: 27 Sep 2018 20:35

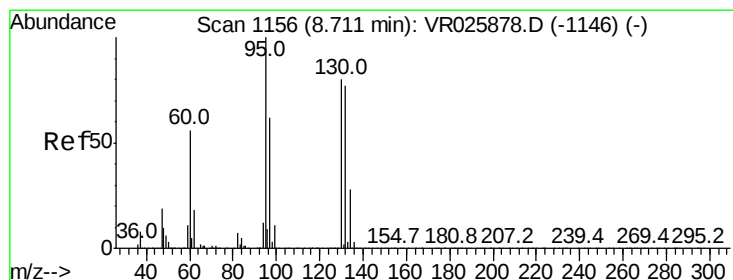
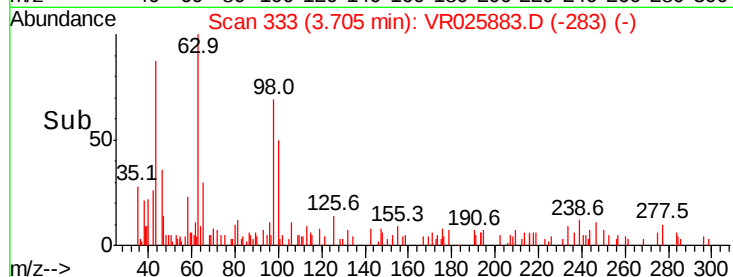
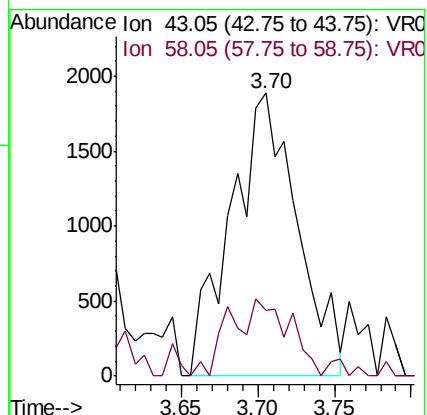
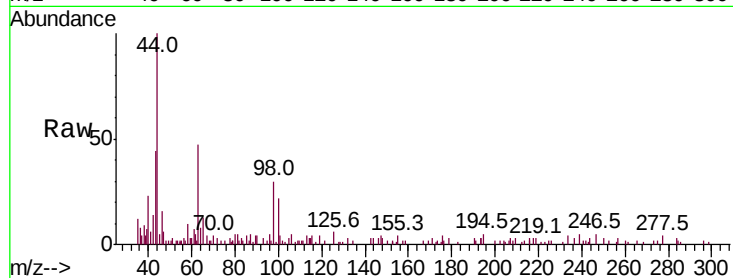
Instrument :  
MSVOA\_R  
ClientSampleId :

Tot Ion: 43 Resp: 5671

Ion Ratio Lower Upper

43 100

58 15.3 0.0 51.4



#34

Trichloroethene

Concen: 0.504 ug/L

RT: 8.46 min Scan# 1114

Delta R.T. -0.26 min

Lab File: VR025883.D

Acq: 27 Sep 2018 20:35

Tgt Ion: 95 Resp: 17959

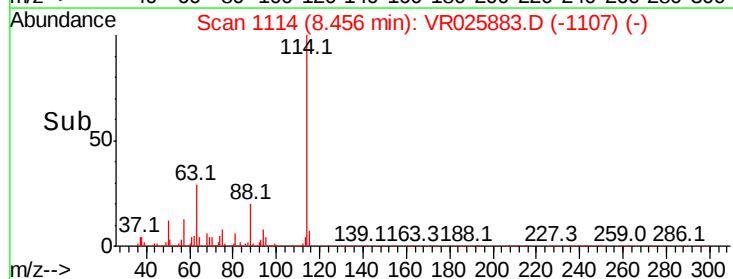
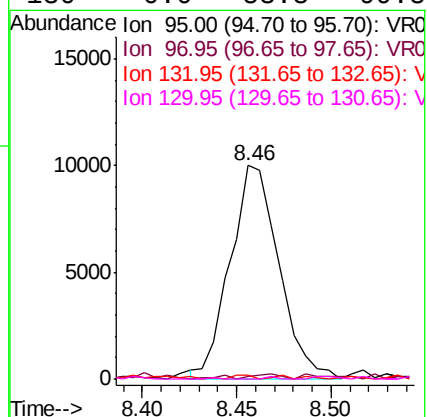
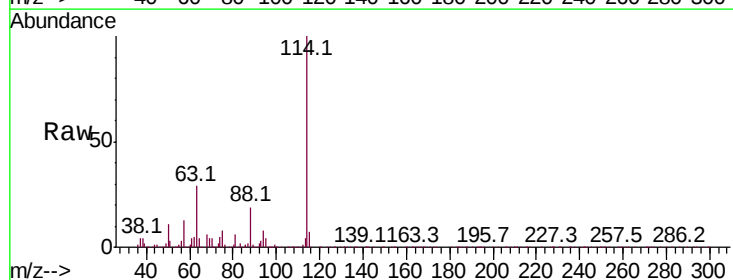
Ion Ratio Lower Upper

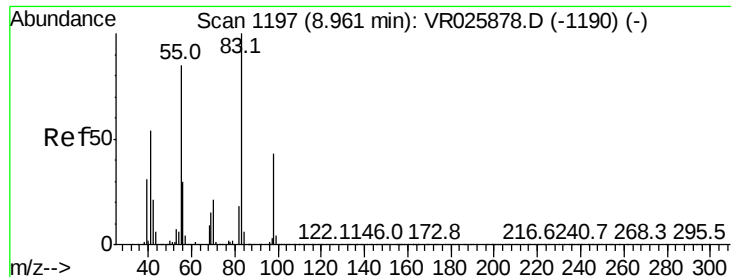
95 100

97 1.4 43.9 81.5#

132 1.7 53.3 98.9#

130 0.0 53.8 99.8#

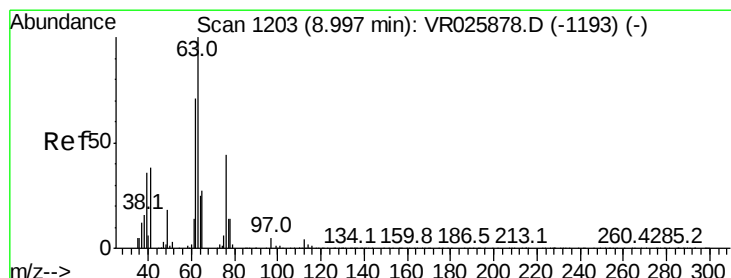
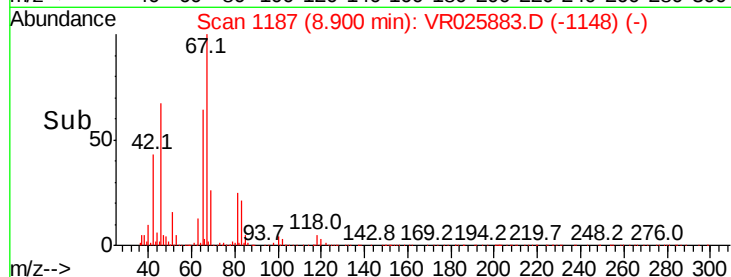
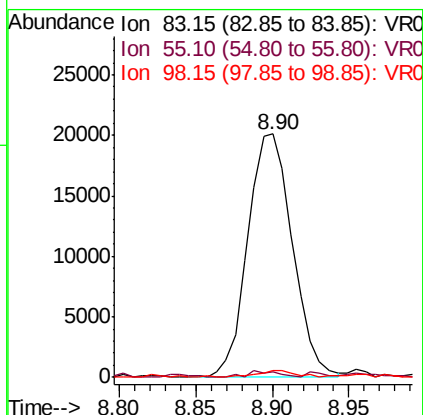
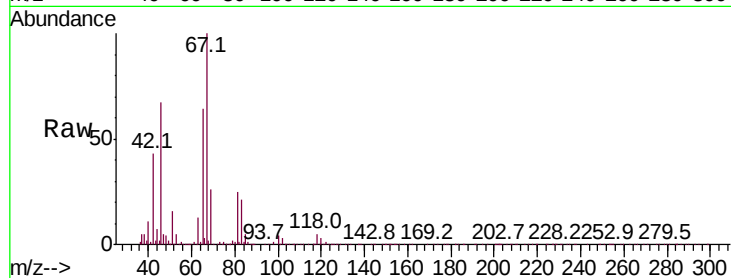




#35  
Methvlcvclohexane  
Concen: 0.761 ug/L  
RT: 8.90 min Scan# 1187  
Delta R.T. -0.06 min  
Lab File: VR025883.D  
Acq: 27 Sep 2018 20:35

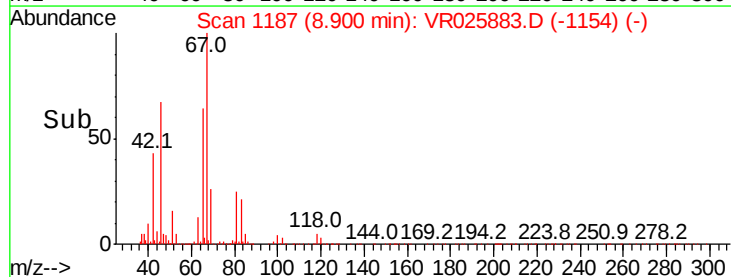
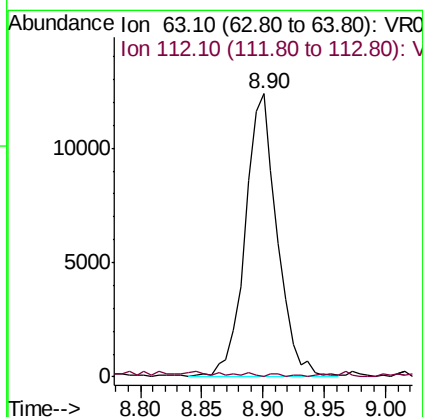
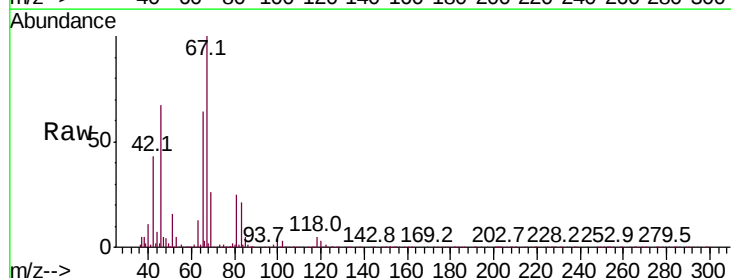
Instrument :  
MSVOA\_R  
ClientSampleId :

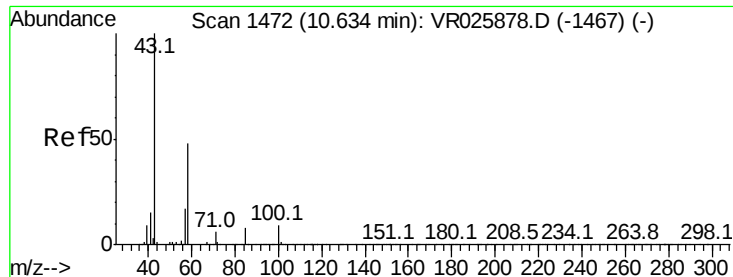
Tot Ion: 83 Resp: 40802  
Ion Ratio Lower Upper  
83 100  
55 1.9 71.8 107.6#  
98 2.8 34.2 51.4#



#37  
1,2-Dichloropropane  
Concen: 0.775 ug/L  
RT: 8.90 min Scan# 1187  
Delta R.T. -0.10 min  
Lab File: VR025883.D  
Acq: 27 Sep 2018 20:35

Tgt Ion: 63 Resp: 22480  
Ion Ratio Lower Upper  
63 100  
112 0.4 2.5 3.7#





#48

2-Hexanone

Concen: 3.934 ug/L

RT: 10.59 min Scan# 1465

Delta R.T. -0.04 min

Lab File: VR025883.D

Acq: 27 Sep 2018 20:35

Instrument :

MSVOA\_R

ClientSampleId :

Tot Ion: 43 Resp: 26288

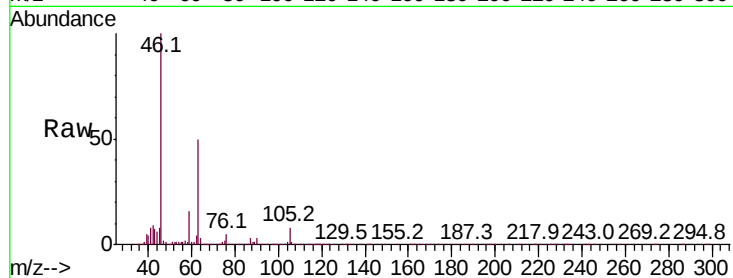
Ion Ratio Lower Upper

43 100

58 0.0 39.5 59.3#

57 25.7 14.6 21.8#

100 0.4 6.7 10.1#



Abundance

Ion 43.05 (42.75 to 43.75): VR0

Ion 58.05 (57.75 to 58.75): VR0

Ion 57.20 (56.90 to 57.90): VR0

Ion 100.15 (99.85 to 100.85): VR0

