

Data Path : Z:\VOASRV\HPCHEM1\MSVOA R\DATA\VR100118\  
 Data File : VR025916.D  
 Acq On : 1 Oct 2018 17:22  
 Operator : SY/MD  
 Sample : J5073-05  
 Misc : 25mL/MSVOA R/WATER  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_R  
 ClientSampleId :

Quant Time: Oct 02 01:47:58 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_R\METHODS\SOMRTR092718WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Tue Oct 02 01:45:34 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 8.46  | 114  | 485650   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 11.29 | 117  | 412187   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 13.23 | 152  | 138237   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 2.15   | 65    | 178000   | 4.65     | ug/L | -0.01   |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 93.00%  |
| 7) Chloroethane-d5             | 2.63   | 69    | 153828   | 4.91     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 98.20%  |
| 11) 1,1-Dichloroethene-d2      | 3.63   | 63    | 305403   | 3.40     | ug/L | 0.01    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 68.00%  |
| 20) 2-Butanone-d5              | 6.59   | 46    | 256424   | 60.06    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 120.12% |
| 24) Chloroform-d               | 7.20   | 84    | 321267   | 4.82     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 96.40%  |
| 26) 1,2-Dichloroethane-d4      | 7.90   | 65    | 149528   | 5.22     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 104.40% |
| 32) Benzene-d6                 | 7.85   | 84    | 627663   | 4.58     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 91.60%  |
| 36) 1,2-Dichloropropane-d6     | 8.90   | 67    | 181412   | 4.91     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 98.20%  |
| 41) Toluene-d8                 | 9.97   | 98    | 551710   | 4.28     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 85.60%  |
| 43) trans-1,3-Dichloropropene- | 10.24  | 79    | 38980    | 4.65     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 93.00%  |
| 46) 2-Hexanone-d5              | 10.59  | 63    | 188798   | 59.00    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 118.00% |
| 57) 1,1,2,2-Tetrachloroethane- | 12.36  | 84    | 73771    | 4.92     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 98.40%  |
| 64) 1,2-Dichlorobenzene-d4     | 13.52  | 152   | 109482   | 4.95     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 99.00%  |

## Target Compounds

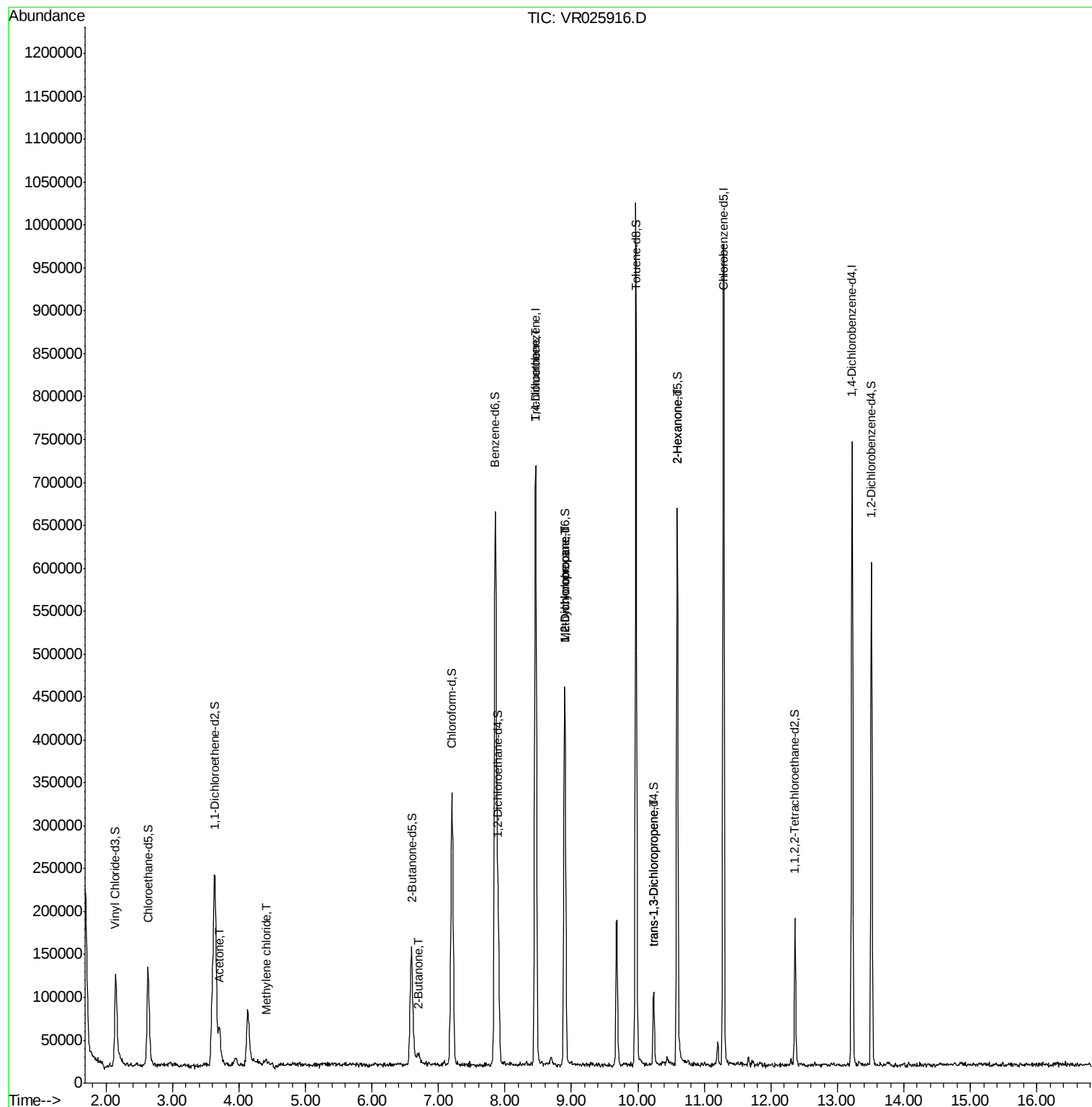
|                               |       |    |       |        | Ovalue    |
|-------------------------------|-------|----|-------|--------|-----------|
| 13) Acetone                   | 3.70  | 43 | 68811 | 22.237 | ug/L 95   |
| 16) Methylene chloride        | 4.41  | 84 | 4056  | 0.120  | ug/L # 60 |
| 21) 2-Butanone                | 6.69  | 43 | 10797 | 2.537  | ug/L 89   |
| 34) Trichloroethene           | 8.46  | 95 | 18260 | 0.501  | ug/L # 15 |
| 35) Methylcyclohexane         | 8.90  | 83 | 43081 | 0.787  | ug/L # 15 |
| 37) 1,2-Dichloropropane       | 8.90  | 63 | 22694 | 0.765  | ug/L # 95 |
| 44) trans-1,3-Dichloropropene | 10.24 | 75 | 2610  | 0.120  | ug/L 89   |
| 48) 2-Hexanone                | 10.59 | 43 | 29509 | 4.322  | ug/L # 72 |

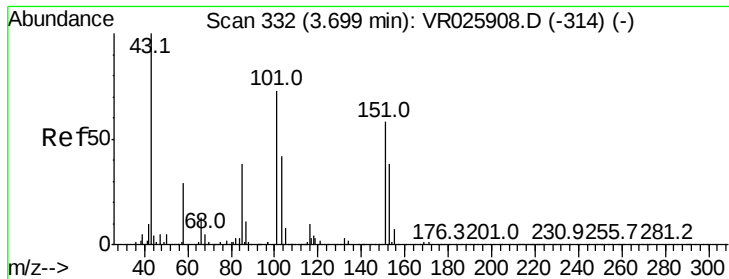
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0  
QLast Update : Tue Oct 02 01:45:34 2018  
Response via : Initial Calibration

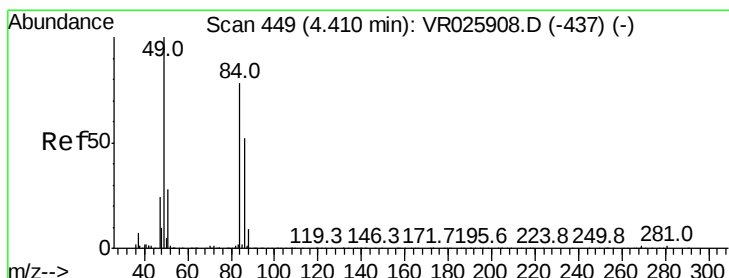
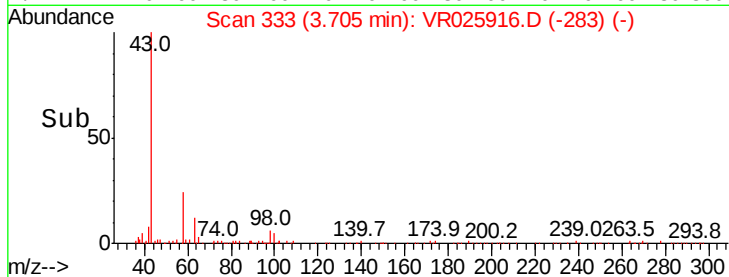
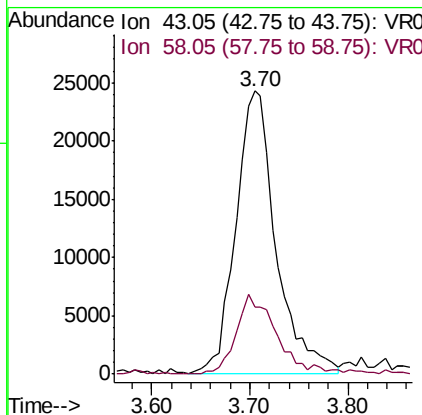
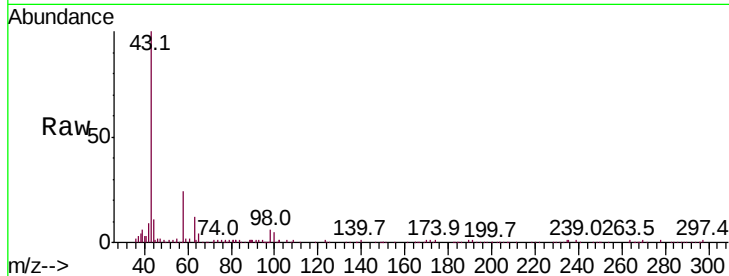




#13  
Acetone  
Concen: 22.237 ug/L  
RT: 3.70 min Scan# 333  
Delta R.T. 0.01 min  
Lab File: VR025916.D  
Acq: 1 Oct 2018 17:22

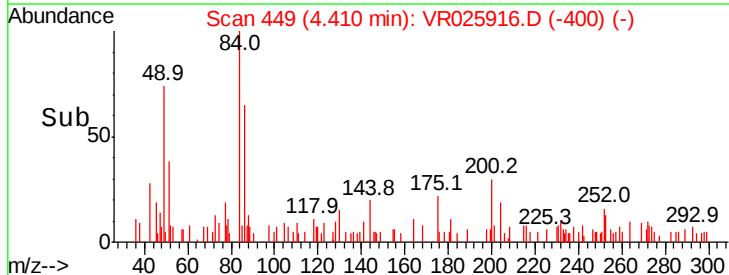
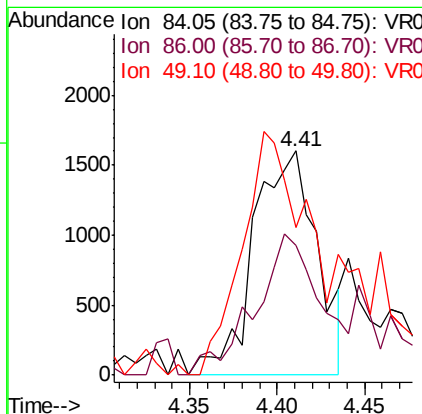
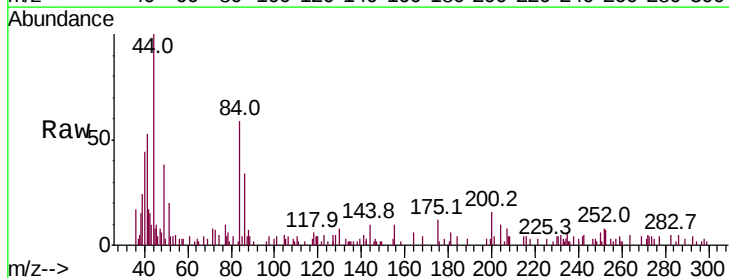
Instrument :  
MSVOA\_R  
ClientSampled :

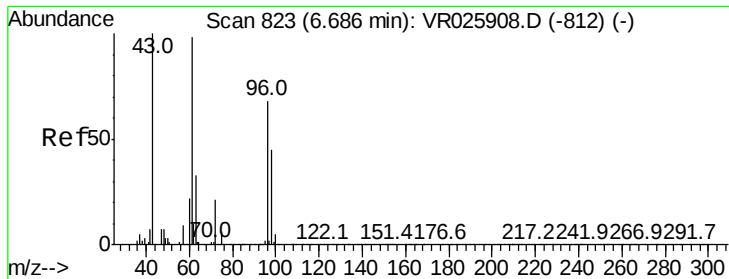
Tot Ion: 43 Resp: 68811  
Ion Ratio Lower Upper  
43 100  
58 28.2 0.0 51.4



#16  
Methylene chloride  
Concen: 0.120 ug/L  
RT: 4.41 min Scan# 449  
Delta R.T. 0.00 min  
Lab File: VR025916.D  
Acq: 1 Oct 2018 17:22

Tgt Ion: 84 Resp: 4056  
Ion Ratio Lower Upper  
84 100  
86 57.7 43.1 80.1  
49 70.2 95.5 177.3#

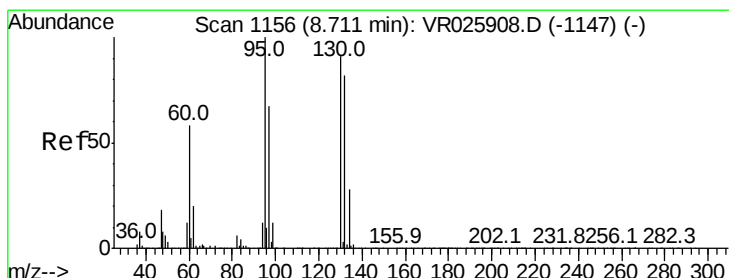
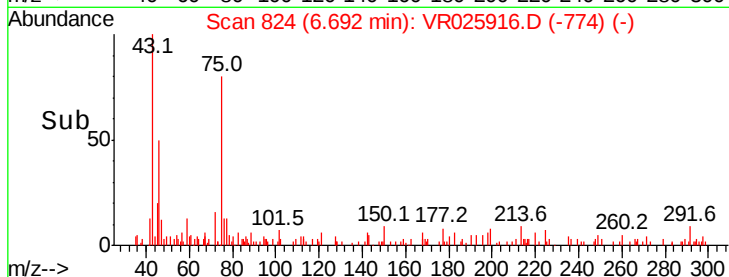
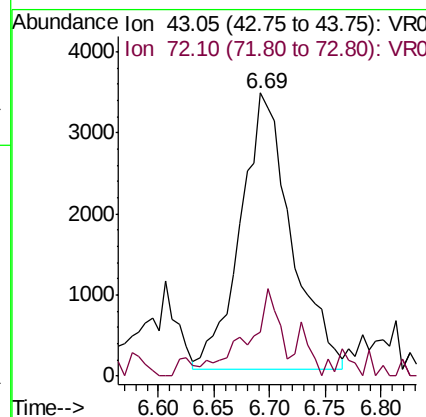
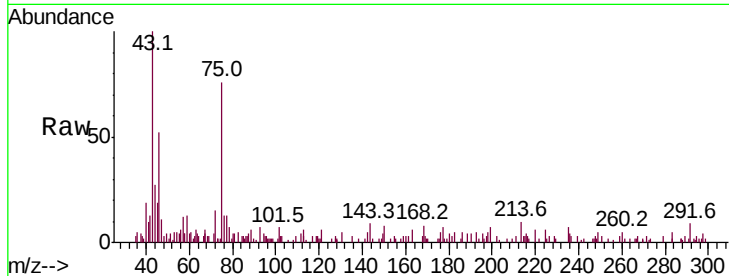




#21  
2-Butanone  
Concen: 2.537 ug/L  
RT: 6.69 min Scan# 824  
Delta R.T. 0.01 min  
Lab File: VR025916.D  
Acq: 1 Oct 2018 17:22

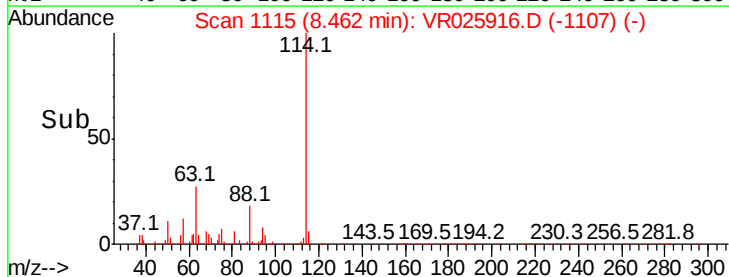
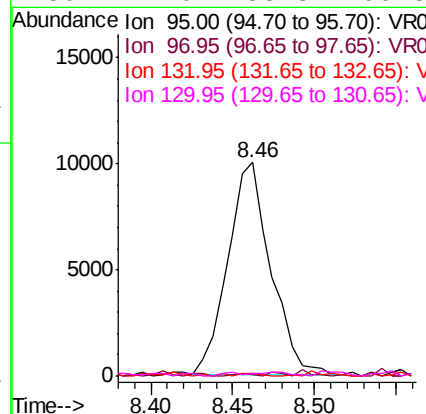
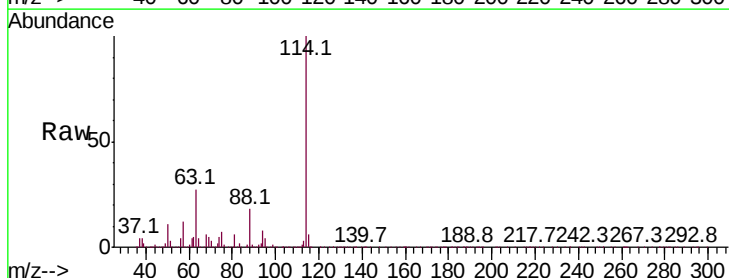
Instrument :  
MSVOA\_R  
ClientSampleId :

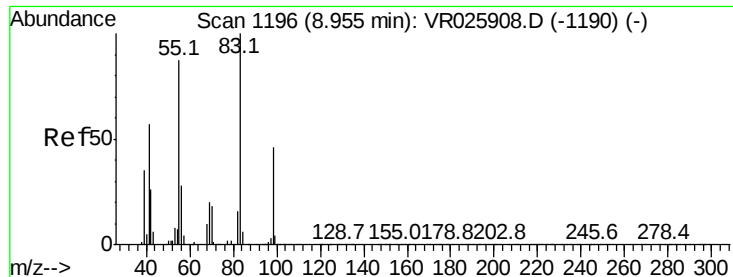
Tot Ion: 43 Resp: 10797  
Ion Ratio Lower Upper  
43 100  
72 18.3 11.9 35.7



#34  
Trichloroethene  
Concen: 0.501 ug/L  
RT: 8.46 min Scan# 1115  
Delta R.T. -0.25 min  
Lab File: VR025916.D  
Acq: 1 Oct 2018 17:22

Tgt Ion: 95 Resp: 18260  
Ion Ratio Lower Upper  
95 100  
97 0.5 43.9 81.5#  
132 1.2 53.3 98.9#  
130 1.0 53.8 99.8#

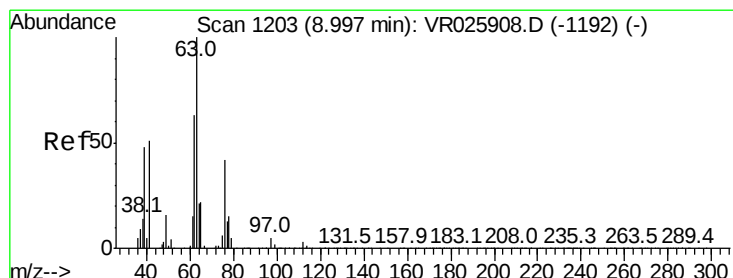
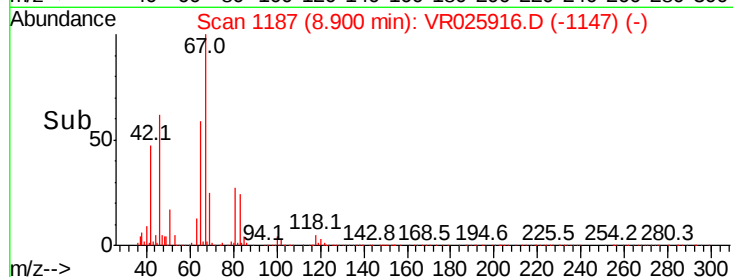
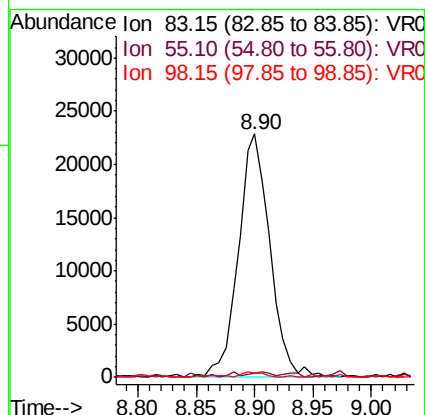
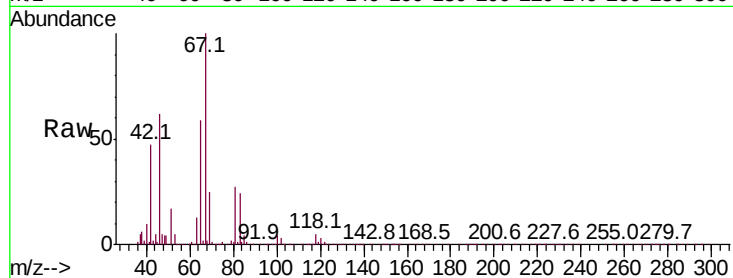




#35  
Methvlcvclohexane  
Concen: 0.787 ug/L  
RT: 8.90 min Scan# 1187  
Delta R.T. -0.05 min  
Lab File: VR025916.D  
Acq: 1 Oct 2018 17:22

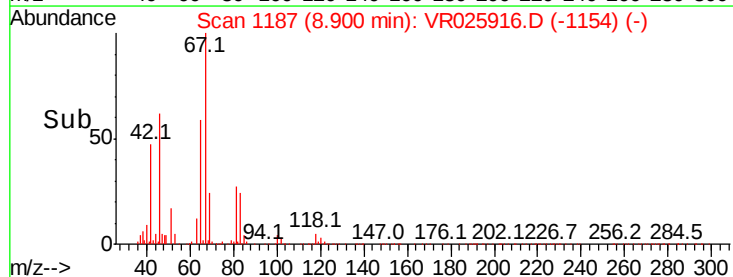
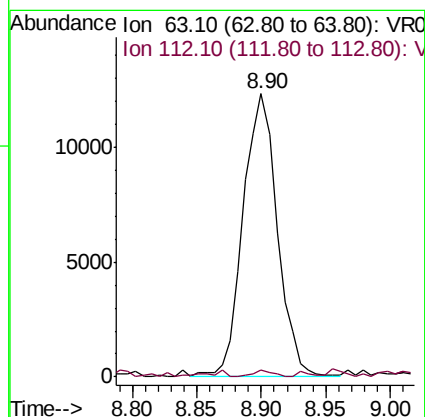
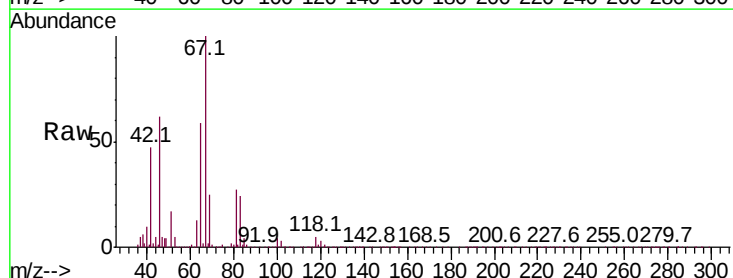
Instrument :  
MSVOA\_R  
ClientSampleId :

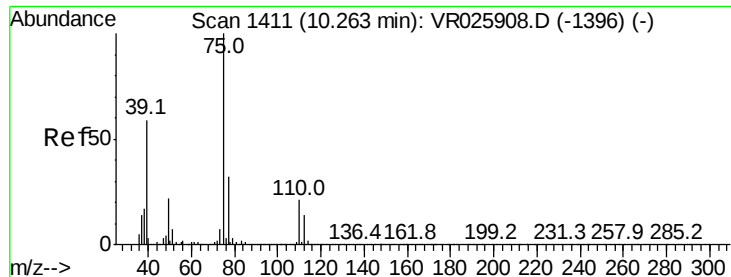
Tot Ion: 83 Resp: 43081  
Ion Ratio Lower Upper  
83 100  
55 1.3 71.8 107.6#  
98 1.4 34.2 51.4#



#37  
1,2-Dichloropropane  
Concen: 0.765 ug/L  
RT: 8.90 min Scan# 1187  
Delta R.T. -0.10 min  
Lab File: VR025916.D  
Acq: 1 Oct 2018 17:22

Tgt Ion: 63 Resp: 22694  
Ion Ratio Lower Upper  
63 100  
112 1.3 2.5 3.7#





#44

trans-1,3-Dichloropropene

Concen: 0.120 ug/L

RT: 10.24 min Scan# 1407

Delta R.T. -0.02 min

Lab File: VR025916.D

Acq: 1 Oct 2018 17:22

Instrument :

MSVOA\_R

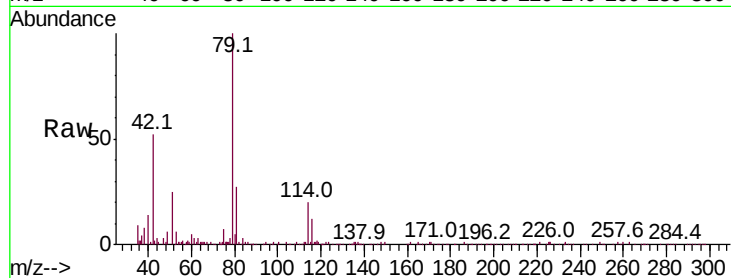
ClientSampleId :

Tot Ion: 75 Resp: 2610

Ion Ratio Lower Upper

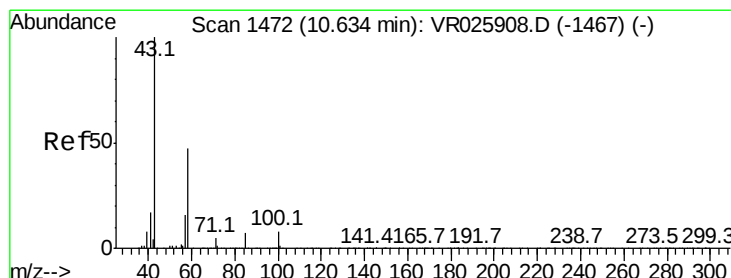
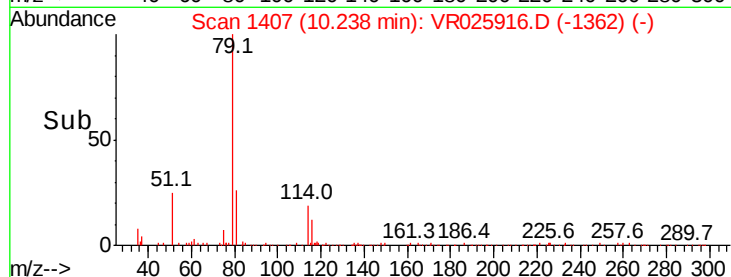
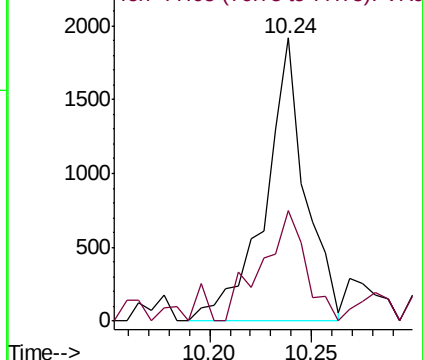
75 100

77 39.2 23.0 42.8



Abundance Ion 75.05 (74.75 to 75.75): VR0

Ion 77.05 (76.75 to 77.75): VR0



#48

2-Hexanone

Concen: 4.322 ug/L

RT: 10.59 min Scan# 1465

Delta R.T. -0.04 min

Lab File: VR025916.D

Acq: 1 Oct 2018 17:22

Tgt Ion: 43 Resp: 29509

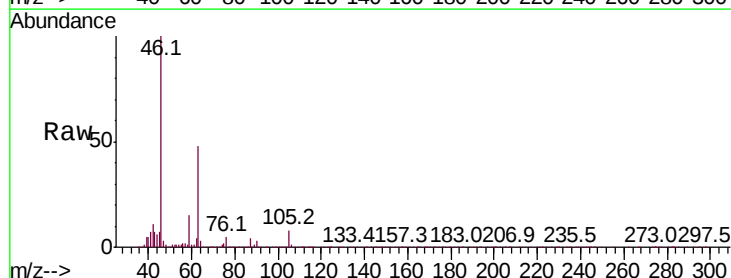
Ion Ratio Lower Upper

43 100

58 24.0 39.5 59.3#

57 22.1 14.6 21.8#

100 1.2 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

