

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080218\  
 Data File : VV006822.D  
 Acq On : 02 Aug 2018 21:43  
 Operator : SY/MD  
 Sample : J4314-02  
 Misc : 25 mL/MSVOA V/WATER  
 ALS Vial : 25 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Aug 03 01:59:28 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR080218WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Aug 03 01:56:09 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 229958   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 205395   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 80878    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 75626    | 4.75     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 95.00%  |
| 7) Chloroethane-d5             | 1.58   | 69    | 70700    | 5.11     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 102.20% |
| 11) 1,1-Dichloroethene-d2      | 2.13   | 63    | 104185   | 3.53     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 70.60%  |
| 20) 2-Butanone-d5              | 3.96   | 46    | 233078   | 60.34    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 120.68% |
| 24) Chloroform-d               | 4.41   | 84    | 142643   | 5.12     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 102.40% |
| 26) 1,2-Dichloroethane-d4      | 5.09   | 65    | 76418    | 5.44     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 108.80% |
| 32) Benzene-d6                 | 5.10   | 84    | 280885   | 5.06     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 101.20% |
| 36) 1,2-Dichloropropane-d6     | 6.12   | 67    | 94417    | 5.16     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 103.20% |
| 41) Toluene-d8                 | 7.37   | 98    | 217253   | 4.39     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 87.80%  |
| 43) trans-1,3-Dichloropropene- | 7.67   | 79    | 30470    | 4.70     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 94.00%  |
| 46) 2-Hexanone-d5              | 8.14   | 63    | 145183   | 50.36    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 100.72% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27  | 84    | 75409    | 5.53     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 110.60% |
| 64) 1,2-Dichlorobenzene-d4     | 11.68  | 152   | 75459    | 5.03     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 100.60% |

## Target Compounds

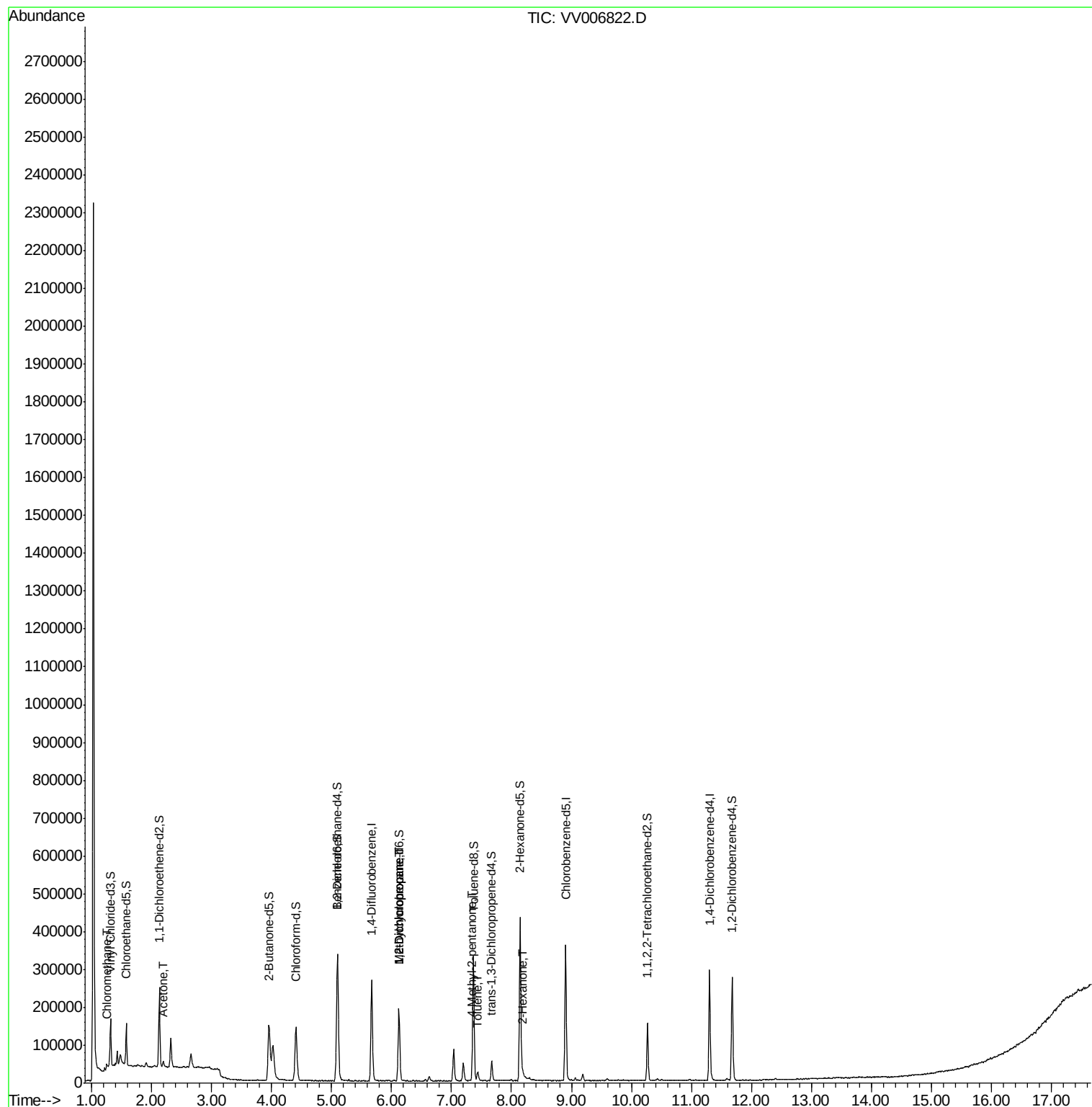
|                          |      |    |       |       | Ovalue    |
|--------------------------|------|----|-------|-------|-----------|
| 3) Chloromethane         | 1.25 | 50 | 8641  | 0.325 | ug/L 95   |
| 13) Acetone              | 2.20 | 43 | 12252 | 4.498 | ug/L 98   |
| 35) Methylcyclohexane    | 6.12 | 83 | 23423 | 0.918 | ug/L # 19 |
| 37) 1,2-Dichloropropane  | 6.13 | 63 | 9926  | 0.600 | ug/L # 90 |
| 40) 4-Methyl-2-pentanone | 7.33 | 43 | 1884  | 0.206 | ug/L # 53 |
| 42) Toluene              | 7.44 | 91 | 15304 | 0.247 | ug/L 88   |
| 48) 2-Hexanone           | 8.19 | 43 | 4639  | 0.747 | ug/L # 78 |

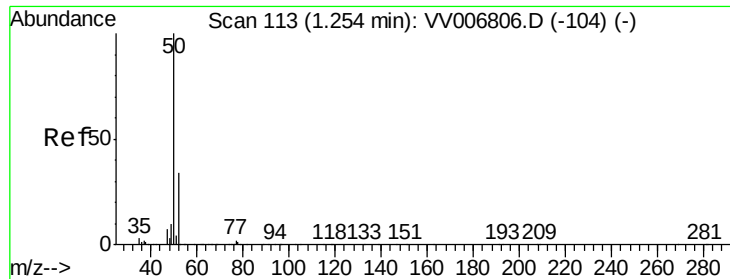
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Aug 03 01:56:09 2018  
Response via : Initial Calibration





#3

Chloromethane

Concen: 0.325 ug/L

RT: 1.25 min Scan# 113

Delta R.T. -0.00 min

Lab File: VV006822.D

Acq: 02 Aug 2018 21:43

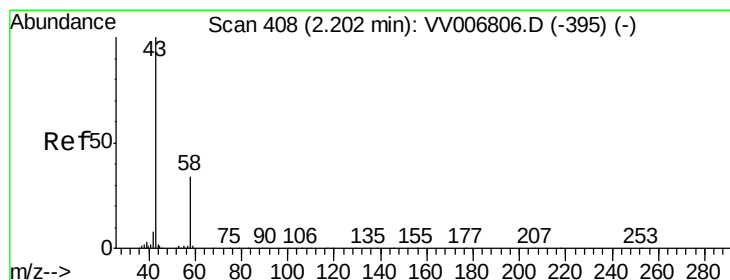
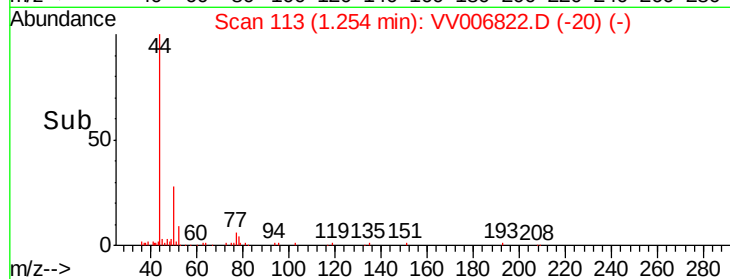
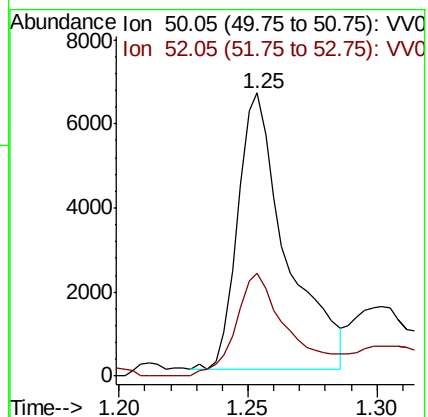
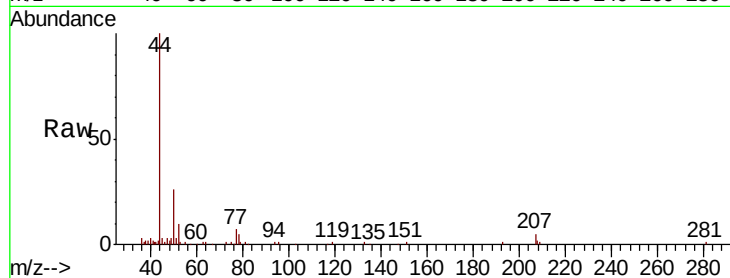
Instrument :  
MSVOA\_V  
ClientSampleId :

Tot Ion: 50 Resp: 8641

Ion Ratio Lower Upper

50 100

52 36.2 23.3 43.3



#13

Acetone

Concen: 4.498 ug/L

RT: 2.20 min Scan# 406

Delta R.T. -0.01 min

Lab File: VV006822.D

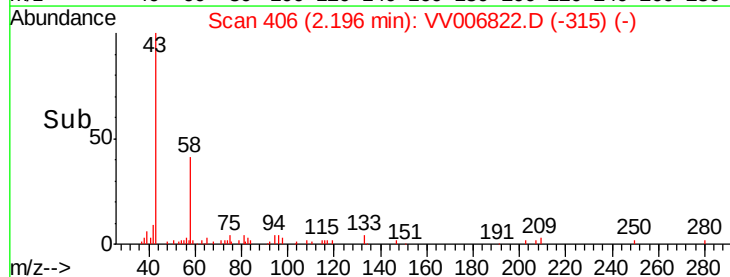
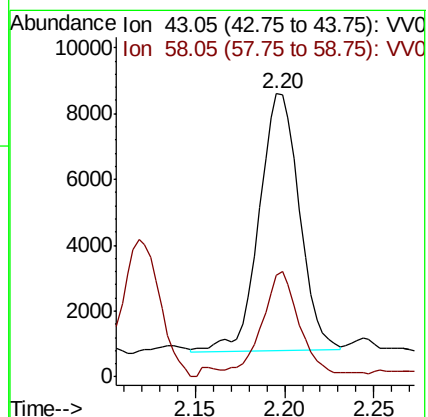
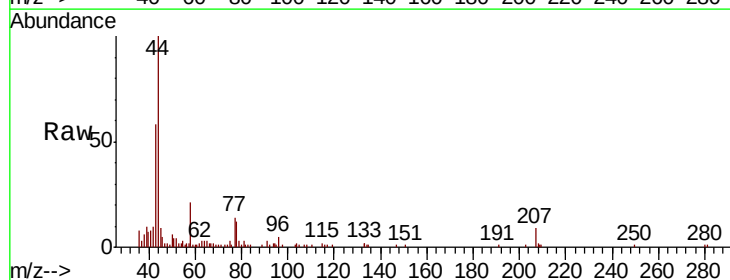
Acq: 02 Aug 2018 21:43

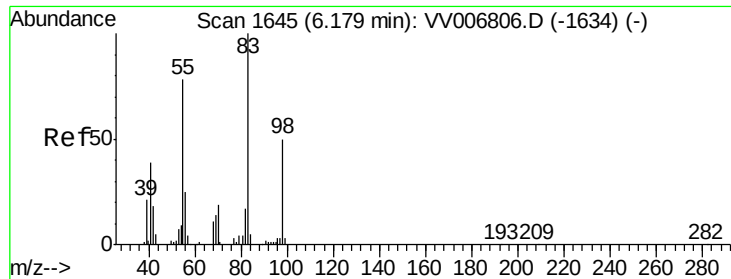
Tgt Ion: 43 Resp: 12252

Ion Ratio Lower Upper

43 100

58 35.5 0.0 69.0

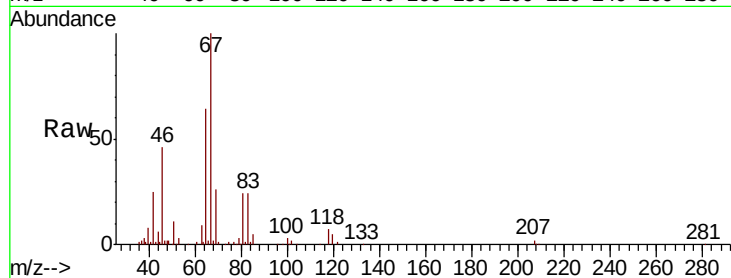




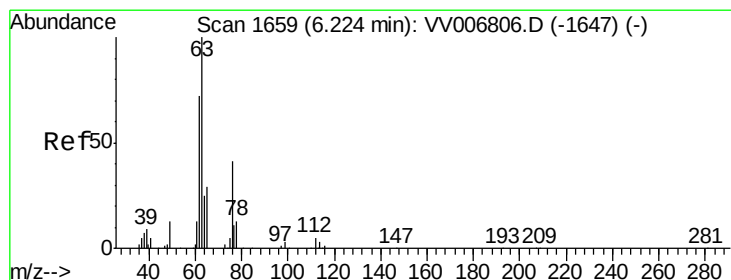
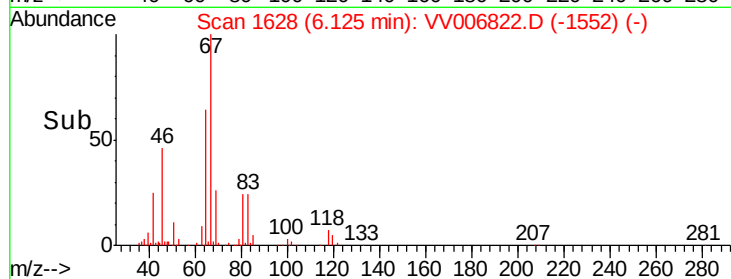
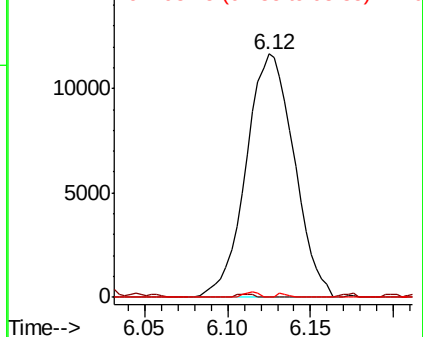
#35  
Methylcyclohexane  
Concen: 0.918 ug/L  
RT: 6.12 min Scan# 1628  
Delta R.T. -0.05 min  
Lab File: VV006822.D  
Acq: 02 Aug 2018 21:43

Instrument :  
MSVOA\_V  
ClientSampleId :

Tot Ion: 83 Resp: 23423  
Ion Ratio Lower Upper  
83 100  
55 0.5 61.8 92.6#  
98 0.4 37.2 55.8#

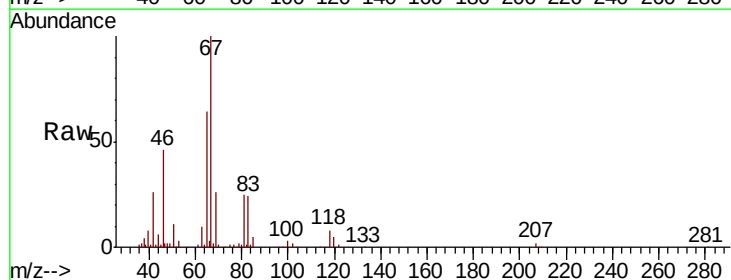


Abundance Ion 83.15 (82.85 to 83.85): VV0  
Ion 55.10 (54.80 to 55.80): VV0  
Ion 98.15 (97.85 to 98.85): VV0

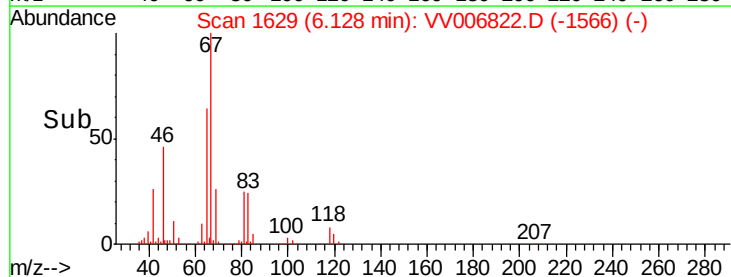
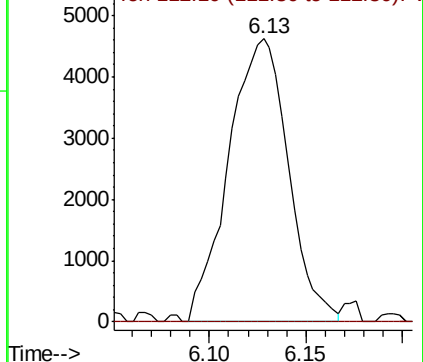


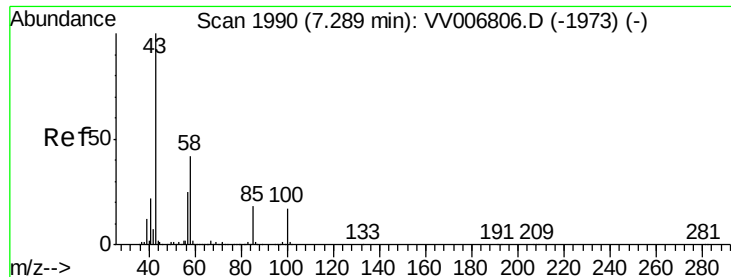
#37  
1,2-Dichloropropane  
Concen: 0.600 ug/L  
RT: 6.13 min Scan# 1629  
Delta R.T. -0.10 min  
Lab File: VV006822.D  
Acq: 02 Aug 2018 21:43

Tgt Ion: 63 Resp: 9926  
Ion Ratio Lower Upper  
63 100  
112 0.7 3.0 4.6#



Abundance Ion 63.10 (62.80 to 63.80): VV0  
Ion 112.10 (111.80 to 112.80): V

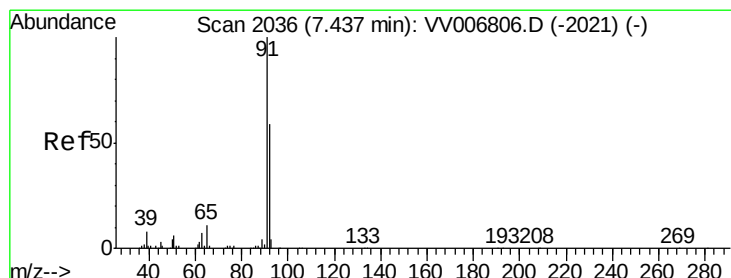
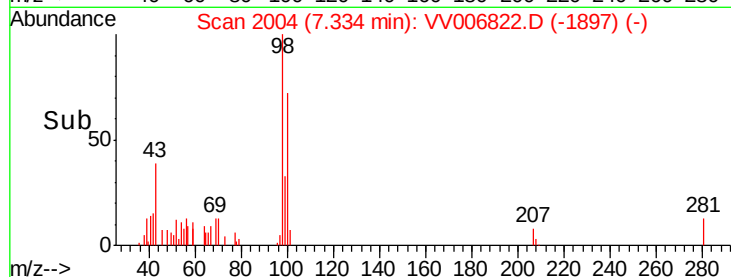
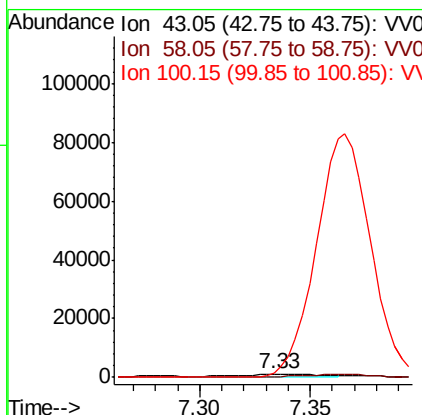
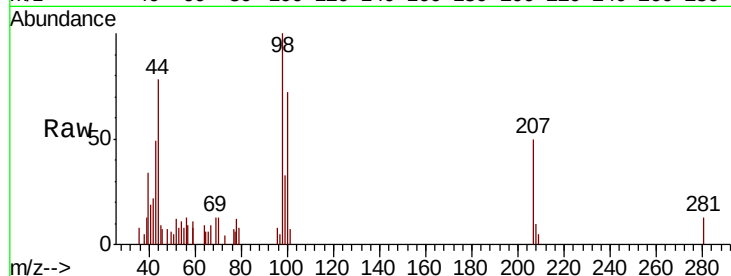




#40  
4-Methyl-2-pentanone  
Concen: 0.206 ug/L  
RT: 7.33 min Scan# 2004  
Delta R.T. 0.04 min  
Lab File: VV006822.D  
Acq: 02 Aug 2018 21:43

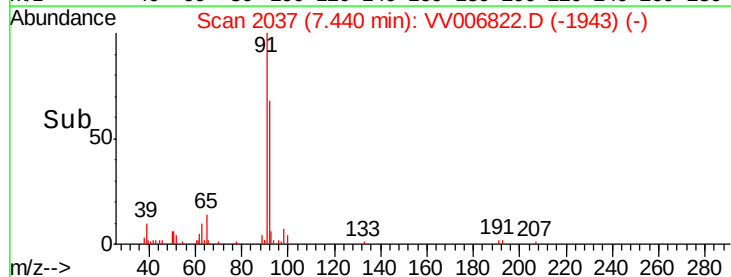
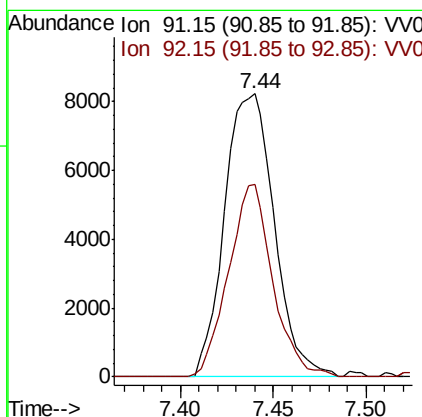
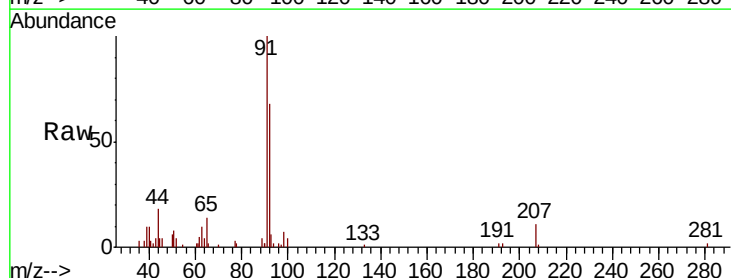
Instrument :  
MSVOA\_V  
Client Sampled :

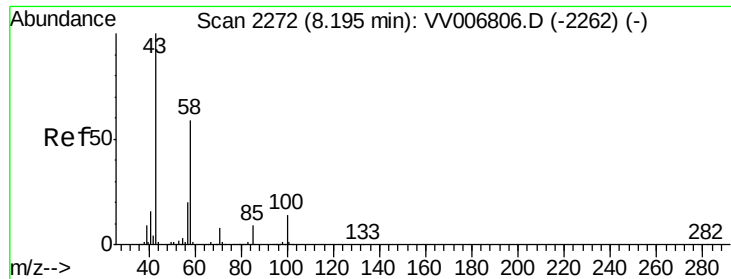
Tot Ion: 43 Resp: 1884  
Ion Ratio Lower Upper  
43 100  
58 9.0 32.6 48.8#  
100 0.0 13.1 19.7#



#42  
Toluene  
Concen: 0.247 ug/L  
RT: 7.44 min Scan# 2037  
Delta R.T. 0.00 min  
Lab File: VV006822.D  
Acq: 02 Aug 2018 21:43

Tgt Ion: 91 Resp: 15304  
Ion Ratio Lower Upper  
91 100  
92 67.8 41.4 77.0





#48  
 2-Hexanone  
 Concen: 0.747 ug/L  
 RT: 8.19 min Scan# 2271  
 Delta R.T. -0.00 min  
 Lab File: VV006822.D  
 Acq: 02 Aug 2018 21:43

Instrument :  
 MSVOA\_V  
 ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 43      | 100   |       |       |
| 58      | 63.2  | 45.4  | 68.0  |
| 57      | 43.6  | 15.4  | 23.2  |
| 100     | 1.3   | 10.6  | 16.0  |

