

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV080418\  
 Data File : VV006887.D  
 Acq On : 04 Aug 2018 17:25  
 Operator : SY/MD  
 Sample : J4314-18  
 Misc : 25 mL/MSVOA V/WATER  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Aug 06 03:25:06 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR080218WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Mon Aug 06 03:23:10 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 272181   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 263497   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 104285   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 99974    | 5.30     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 106.00% |
| 7) Chloroethane-d5             | 1.58   | 69    | 87919    | 5.36     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 107.20% |
| 11) 1,1-Dichloroethene-d2      | 2.13   | 63    | 142979   | 4.09     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 81.80%  |
| 20) 2-Butanone-d5              | 3.97   | 46    | 241842   | 52.90    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 105.80% |
| 24) Chloroform-d               | 4.41   | 84    | 180950   | 5.49     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 109.80% |
| 26) 1,2-Dichloroethane-d4      | 5.09   | 65    | 93177    | 5.60     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 112.00% |
| 32) Benzene-d6                 | 5.10   | 84    | 334114   | 4.70     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 94.00%  |
| 36) 1,2-Dichloropropane-d6     | 6.12   | 67    | 115577   | 4.92     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 98.40%  |
| 41) Toluene-d8                 | 7.37   | 98    | 255758   | 4.03     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 80.60%  |
| 43) trans-1,3-Dichloropropene- | 7.67   | 79    | 35760    | 4.30     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 86.00%  |
| 46) 2-Hexanone-d5              | 8.15   | 63    | 140993   | 38.12    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 76.24%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27  | 84    | 91662    | 5.24     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 104.80% |
| 64) 1,2-Dichlorobenzene-d4     | 11.68  | 152   | 90954    | 4.70     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 94.00%  |

## Target Compounds

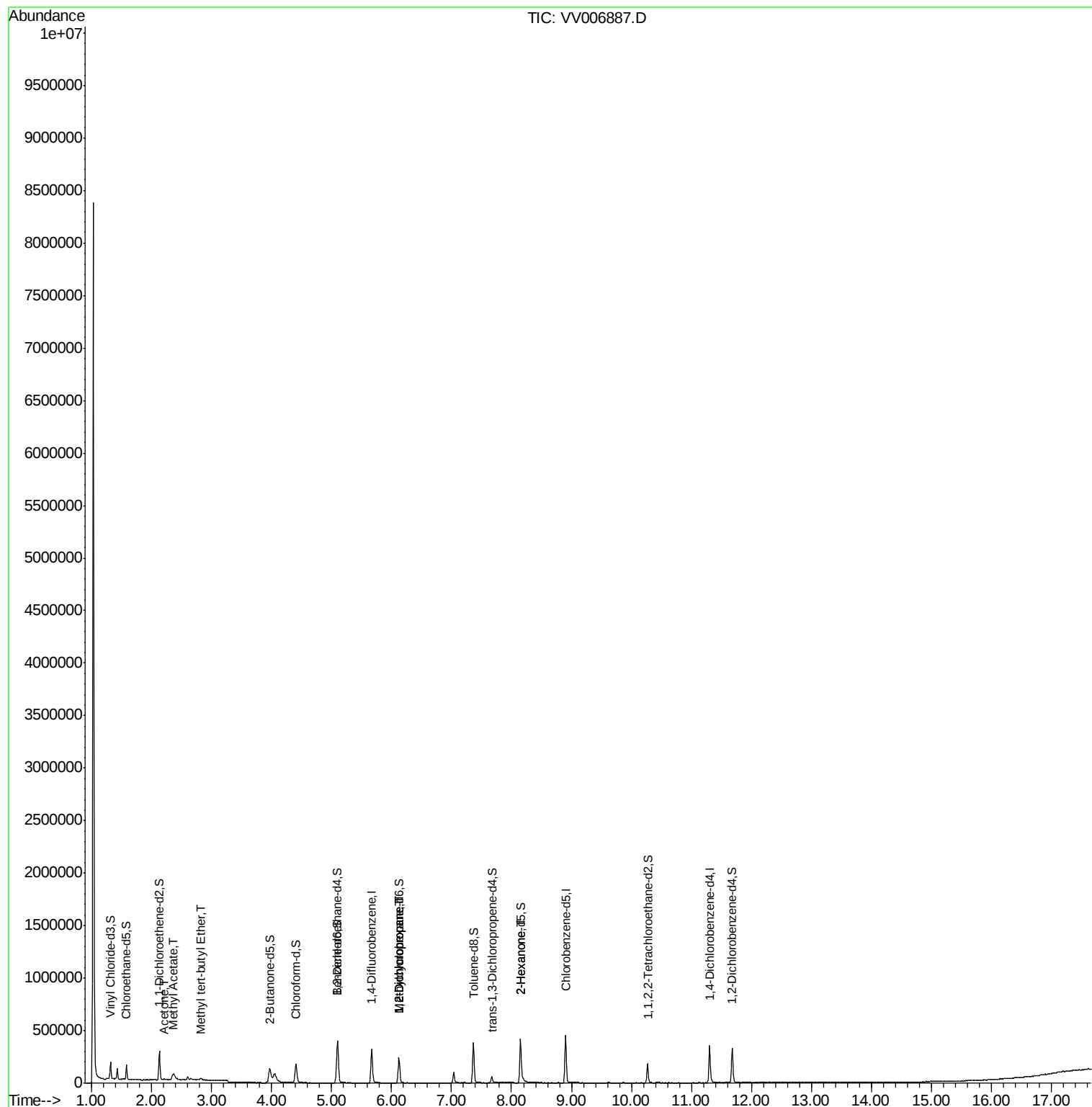
|                             |      |    |       |       | Ovalue    |
|-----------------------------|------|----|-------|-------|-----------|
| 13) Acetone                 | 2.21 | 43 | 9100  | 2.822 | ug/L 96   |
| 15) Methyl Acetate          | 2.36 | 43 | 29951 | 3.086 | ug/L # 53 |
| 17) Methyl tert-butyl Ether | 2.82 | 73 | 13659 | 0.293 | ug/L # 88 |
| 35) Methylcyclohexane       | 6.12 | 83 | 28442 | 0.869 | ug/L # 18 |
| 37) 1,2-Dichloropropane     | 6.12 | 63 | 12374 | 0.583 | ug/L # 89 |
| 48) 2-Hexanone              | 8.15 | 43 | 19455 | 2.441 | ug/L # 75 |

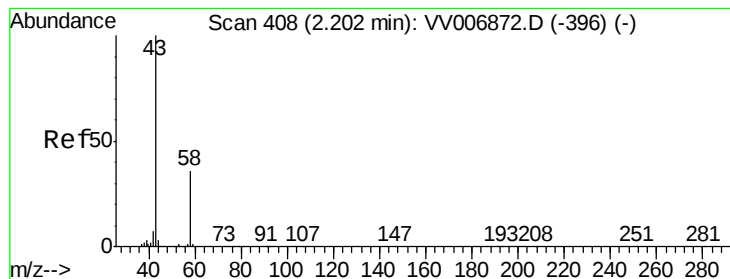
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 2.822 ug/L

RT: 2.21 min Scan# 411

Delta R.T. 0.01 min

Lab File: VV006887.D

Acq: 04 Aug 2018 17:25

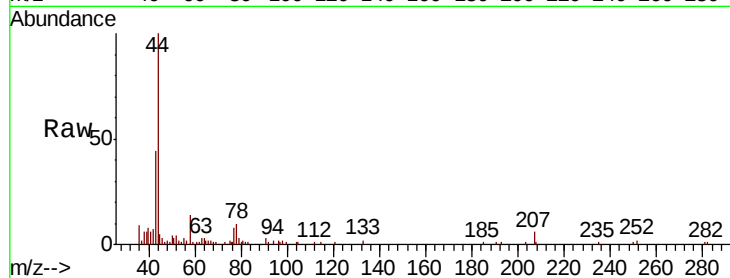
Instrument :  
MSVOA\_V  
ClientSampleId :

Tot Ion: 43 Resp: 9100

Ion Ratio Lower Upper

43 100

58 37.0 0.0 69.0



Abundance Ion 43.05 (42.75 to 43.75): VV006887.D (-315) (-)

Ion 58.05 (57.75 to 58.75): VV006887.D (-315) (-)

2.21

6000

5000

4000

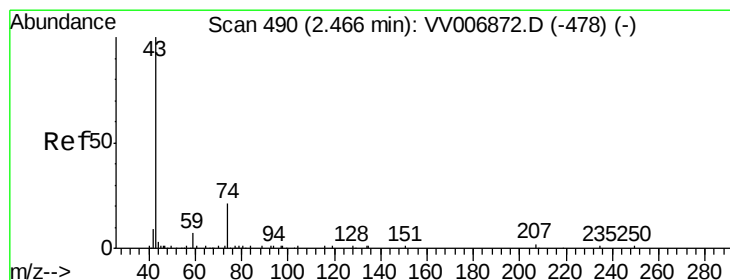
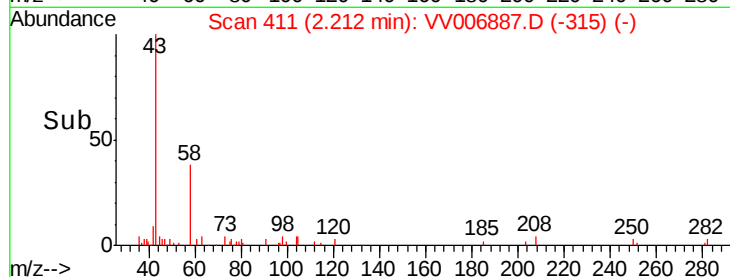
3000

2000

1000

0

Time-->



#15

Methyl Acetate

Concen: 3.086 ug/L

RT: 2.36 min Scan# 456

Delta R.T. -0.11 min

Lab File: VV006887.D

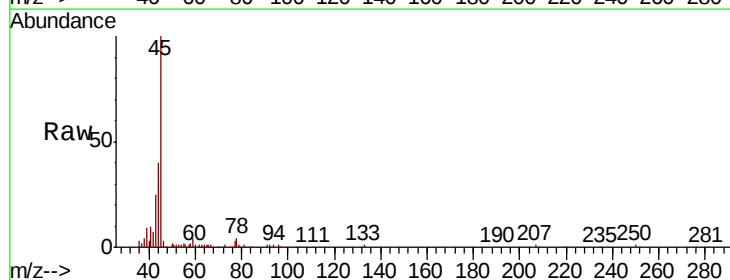
Acq: 04 Aug 2018 17:25

Tgt Ion: 43 Resp: 29951

Ion Ratio Lower Upper

43 100

74 0.3 18.3 27.5#



Abundance Ion 43.05 (42.75 to 43.75): VV006887.D (-397) (-)

Ion 74.05 (73.75 to 74.75): VV006887.D (-397) (-)

2.36

8000

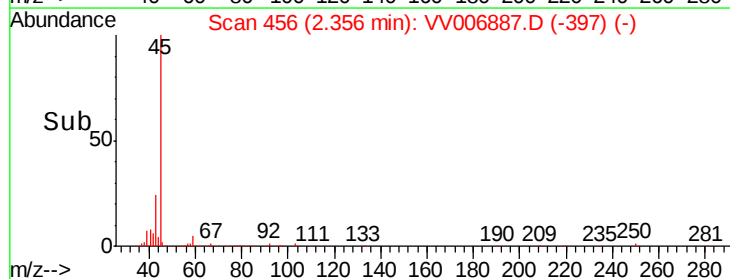
6000

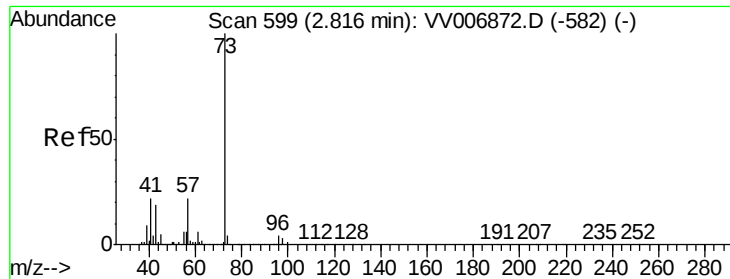
4000

2000

0

Time-->

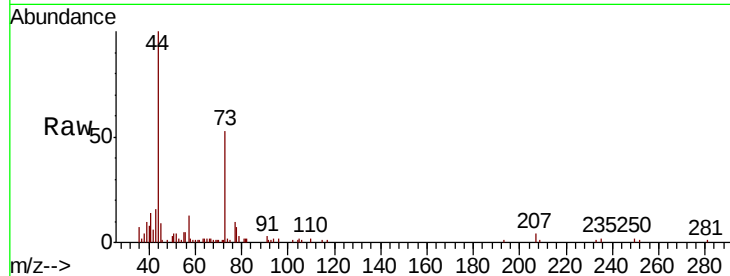




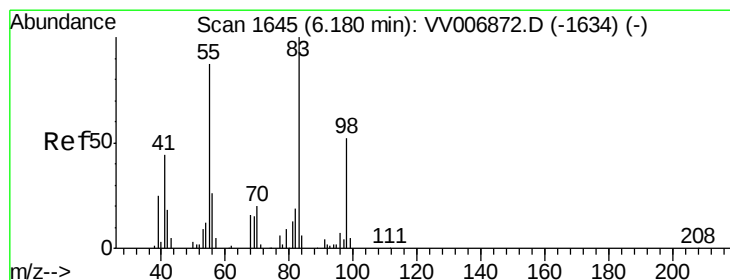
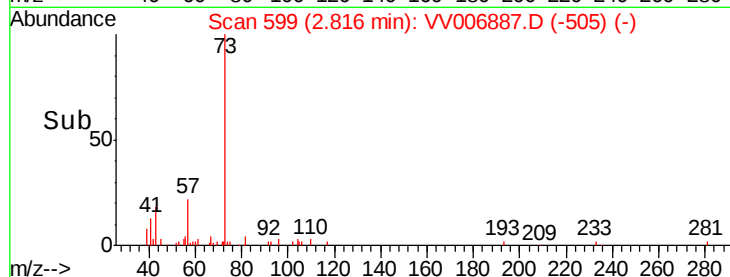
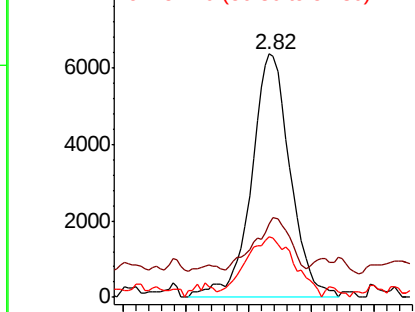
#17  
Methvl tert-butvl Ether  
Concen: 0.293 ug/L  
RT: 2.82 min Scan# 599  
Delta R.T. 0.00 min  
Lab File: VV006887.D  
Acq: 04 Aug 2018 17:25

Instrument :  
MSVOA\_V  
ClientSampleId :

| Tot Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 73      | 100   |       |       |
| 43      | 20.0  | 14.6  | 22.0  |
| 57      | 31.4  | 18.0  | 27.0  |

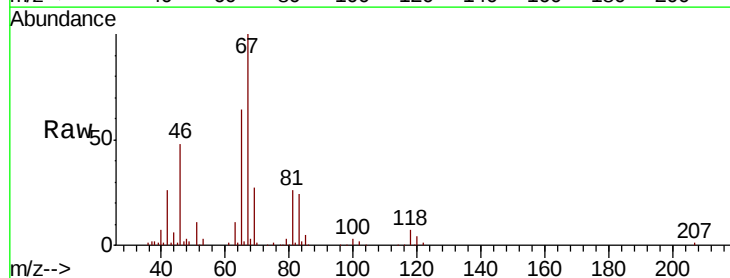


Abundance Ion 73.10 (72.80 to 73.80): VV0  
Ion 43.05 (42.75 to 43.75): VV0  
Ion 57.10 (56.80 to 57.80): VV0

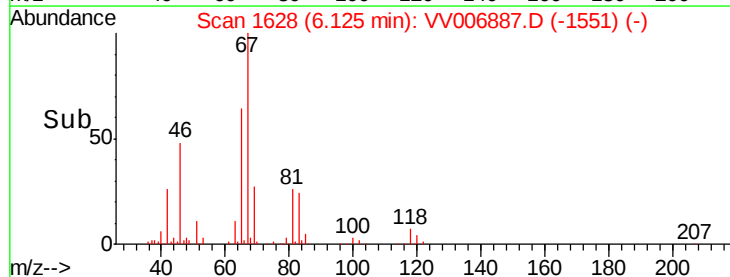
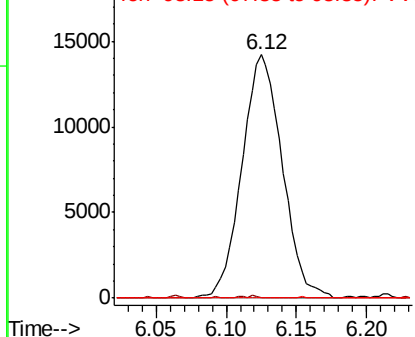


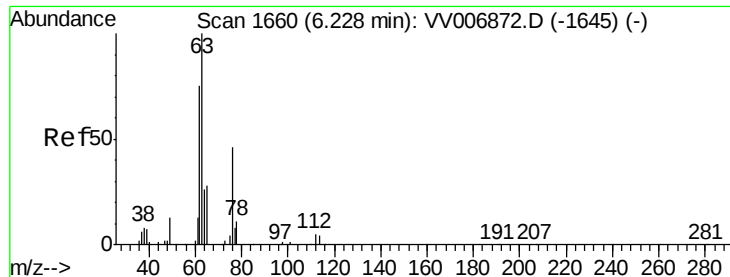
#35  
Methylcyclohexane  
Concen: 0.869 ug/L  
RT: 6.12 min Scan# 1628  
Delta R.T. -0.05 min  
Lab File: VV006887.D  
Acq: 04 Aug 2018 17:25

| Tgt Ion | Ratio | Lower | Upper |
|---------|-------|-------|-------|
| 83      | 100   |       |       |
| 55      | 0.2   | 61.8  | 92.6  |
| 98      | 0.1   | 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: 0.583 ug/L

RT: 6.12 min Scan# 1628

Delta R.T. -0.10 min

Lab File: VV006887.D

Acq: 04 Aug 2018 17:25

Instrument :

MSVOA\_V

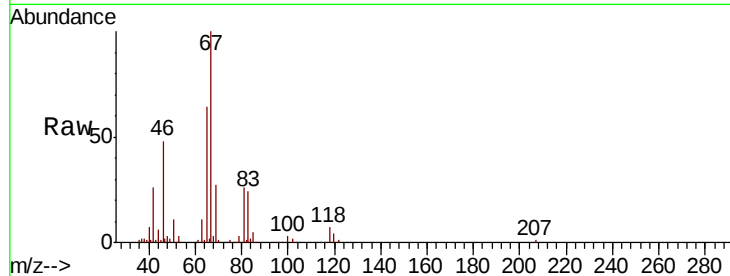
ClientSampleId :

Tot Ion: 63 Resp: 12374

Ion Ratio Lower Upper

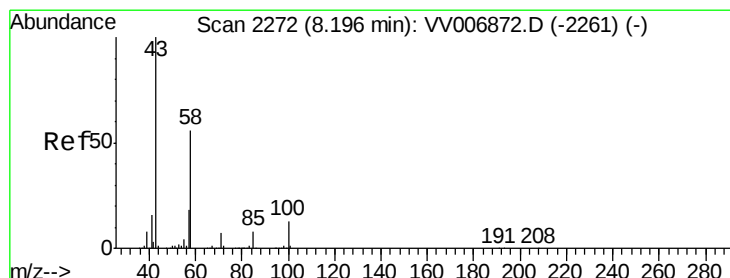
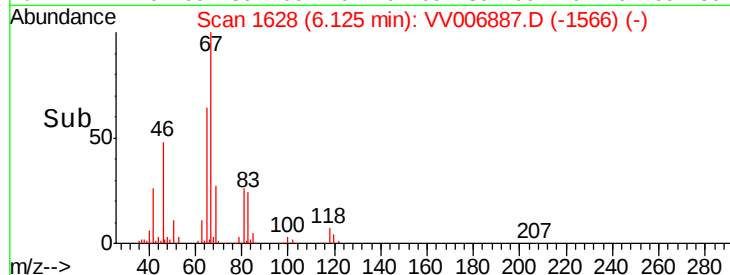
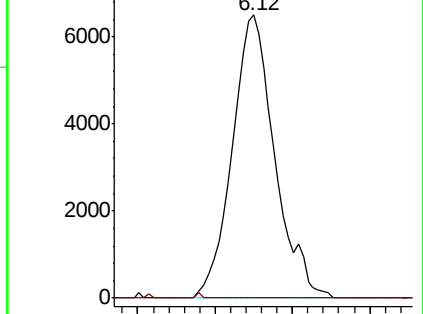
63 100

112 0.2 3.0 4.6#



Abundance Ion 63.10 (62.80 to 63.80): VV006887.D (-1645) (-)

Ion 112.10 (111.80 to 112.80): VV006887.D (-1645) (-)



#48

2-Hexanone

Concen: 2.441 ug/L

RT: 8.15 min Scan# 2257

Delta R.T. -0.05 min

Lab File: VV006887.D

Acq: 04 Aug 2018 17:25

Tgt Ion: 43 Resp: 19455

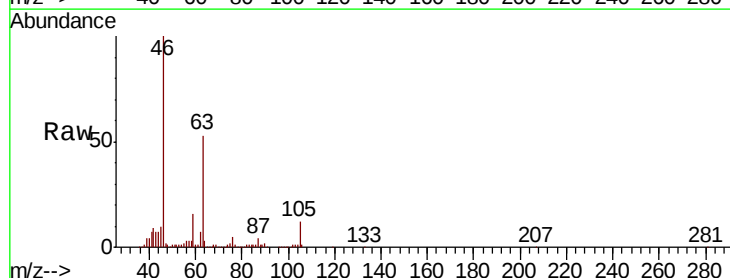
Ion Ratio Lower Upper

43 100

58 44.1 45.4 68.0#

57 43.4 15.4 23.2#

100 5.0 10.6 16.0#



Abundance Ion 43.05 (42.75 to 43.75): VV006887.D (-2179) (-)

Ion 58.05 (57.75 to 58.75): VV006887.D (-2179) (-)

Ion 57.20 (56.90 to 57.90): VV006887.D (-2179) (-)

Ion 100.15 (99.85 to 100.85): VV006887.D (-2179) (-)

