

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081018\  
 Data File : VV006987.D  
 Acq On : 10 Aug 2018 16:37  
 Operator : SY/MD  
 Sample : J4422-10  
 Misc : 25 mL/MSVOA V/WATER  
 ALS Vial : 16 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0AD2

Quant Time: Aug 10 23:16:07 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR080918WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Aug 10 23:13:31 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 222983   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 219640   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 91954    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 64335    | 4.47     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 89.40%  |
| 7) Chloroethane-d5             | 1.58   | 69    | 59961    | 4.91     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 98.20%  |
| 11) 1,1-Dichloroethene-d2      | 2.13   | 63    | 89966    | 3.33     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 66.60%  |
| 20) 2-Butanone-d5              | 3.96   | 46    | 222226   | 53.69    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 107.38% |
| 24) Chloroform-d               | 4.41   | 84    | 150304   | 5.15     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 103.00% |
| 26) 1,2-Dichloroethane-d4      | 5.09   | 65    | 80410    | 5.45     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 109.00% |
| 32) Benzene-d6                 | 5.10   | 84    | 272375   | 4.83     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 96.60%  |
| 36) 1,2-Dichloropropane-d6     | 6.12   | 67    | 98587    | 5.11     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 102.20% |
| 41) Toluene-d8                 | 7.37   | 98    | 199899   | 4.16     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 83.20%  |
| 43) trans-1,3-Dichloropropene- | 7.67   | 79    | 29446    | 4.39     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 87.80%  |
| 46) 2-Hexanone-d5              | 8.14   | 63    | 120136   | 43.78    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 87.56%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27  | 84    | 73253    | 4.87     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 97.40%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.68  | 152   | 81551    | 5.10     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 102.00% |

## Target Compounds

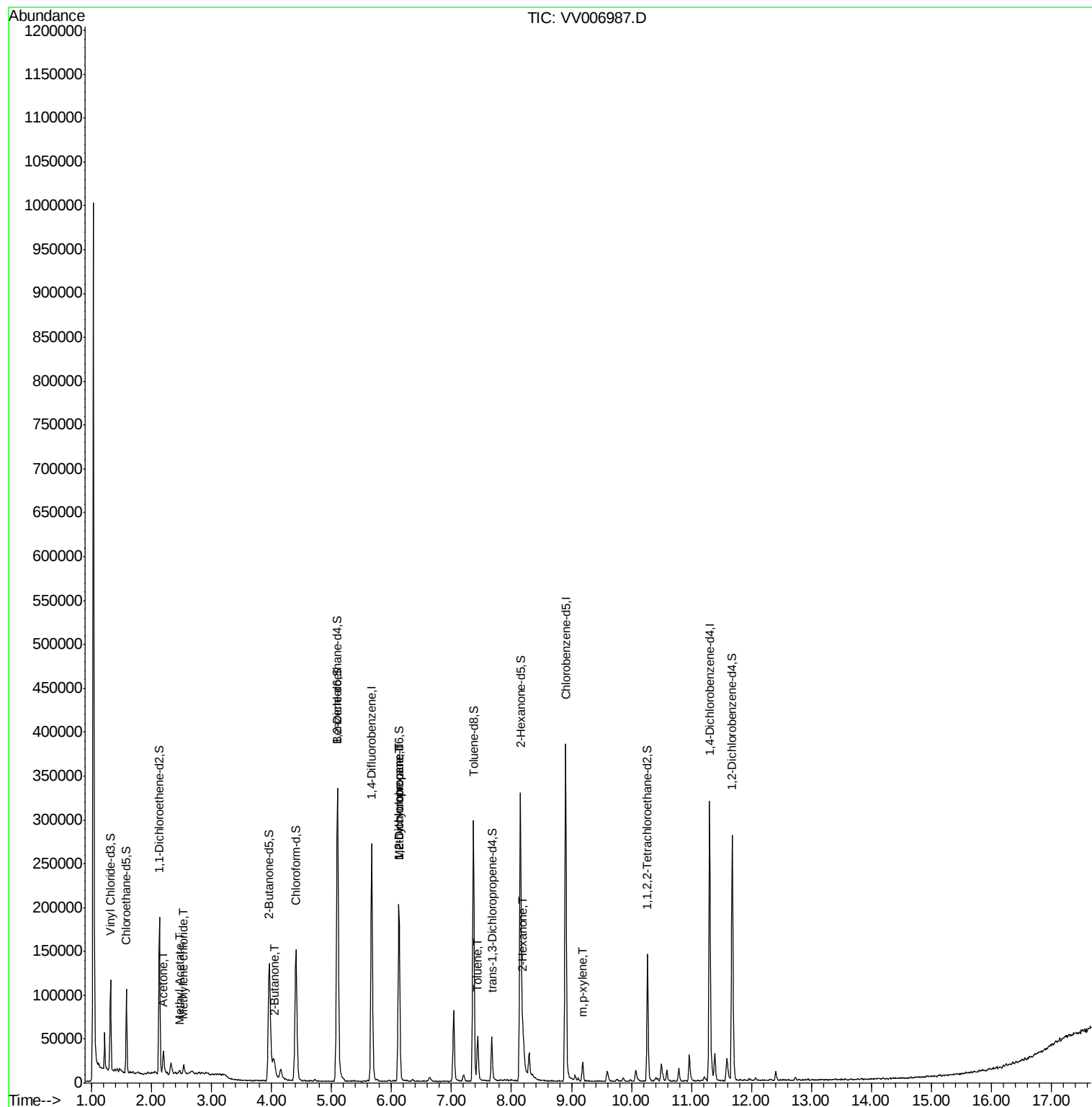
|                         |      |     |       |        | Ovalue    |
|-------------------------|------|-----|-------|--------|-----------|
| 13) Acetone             | 2.20 | 43  | 25297 | 11.869 | ug/L 99   |
| 15) Methyl Acetate      | 2.47 | 43  | 3873  | 0.646  | ug/L 92   |
| 16) Methylene chloride  | 2.54 | 84  | 4292  | 0.222  | ug/L 94   |
| 21) 2-Butanone          | 4.06 | 43  | 9385  | 2.028  | ug/L 83   |
| 35) Methylcyclohexane   | 6.12 | 83  | 22385 | 0.764  | ug/L # 15 |
| 37) 1,2-Dichloropropane | 6.12 | 63  | 10653 | 0.511  | ug/L # 87 |
| 42) Toluene             | 7.44 | 91  | 35311 | 0.483  | ug/L 96   |
| 48) 2-Hexanone          | 8.19 | 43  | 13419 | 1.691  | ug/L # 88 |
| 53) m,p-xylene          | 9.19 | 106 | 5750  | 0.211  | ug/L 97   |

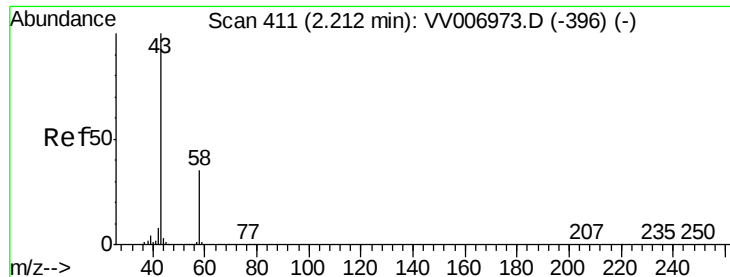
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Aug 10 23:13:31 2018  
Response via : Initial Calibration





#13

Acetone

Concen: 11.869 ug/L

RT: 2.20 min Scan# 407

Delta R.T. -0.01 min

Lab File: VV006987.D

Acq: 10 Aug 2018 16:37

Instrument :

MSVOA\_V

ClientSampleId :

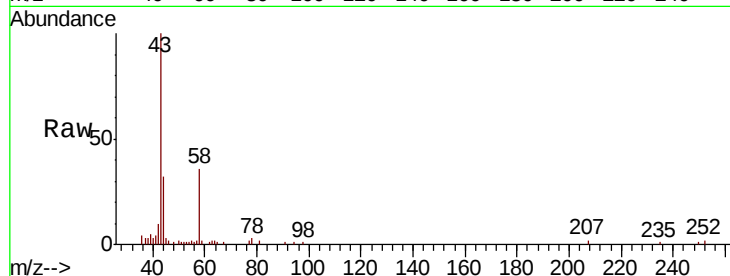
C0AD2

Tot Ion: 43 Resp: 25297

Ion Ratio Lower Upper

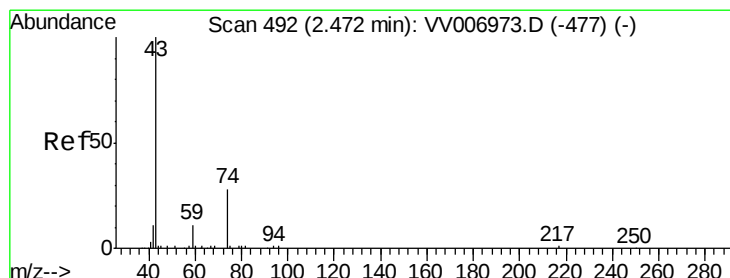
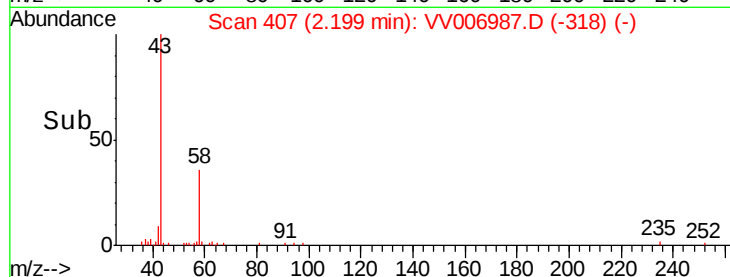
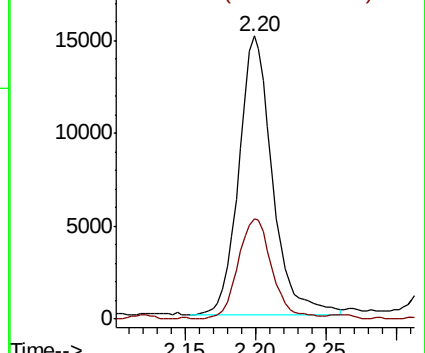
43 100

58 36.3 0.0 71.4



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0



#15

Methyl Acetate

Concen: 0.646 ug/L

RT: 2.47 min Scan# 490

Delta R.T. -0.01 min

Lab File: VV006987.D

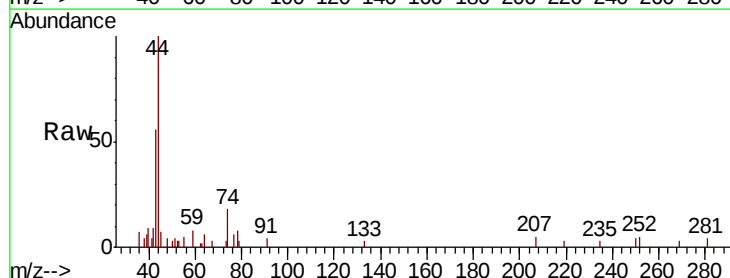
Acq: 10 Aug 2018 16:37

Tgt Ion: 43 Resp: 3873

Ion Ratio Lower Upper

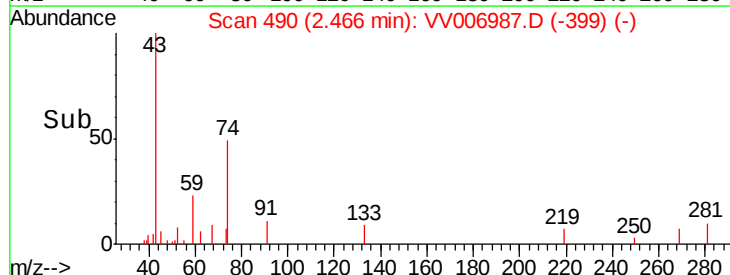
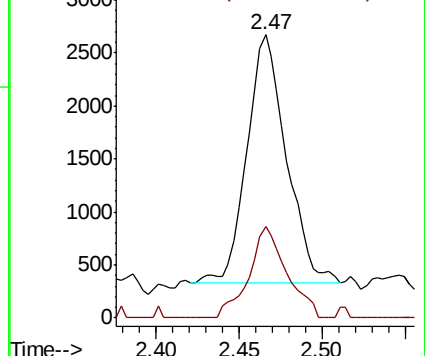
43 100

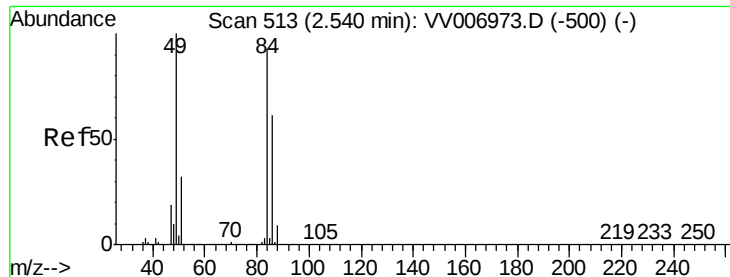
74 35.0 24.6 37.0



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 74.05 (73.75 to 74.75): VV0

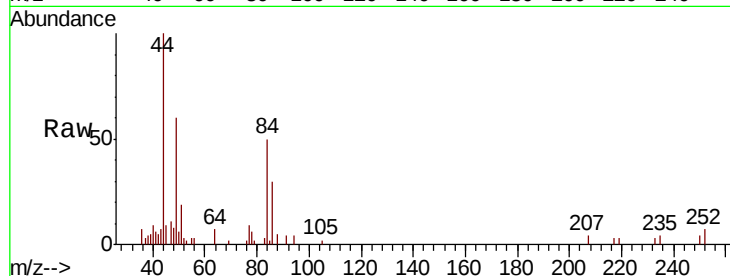




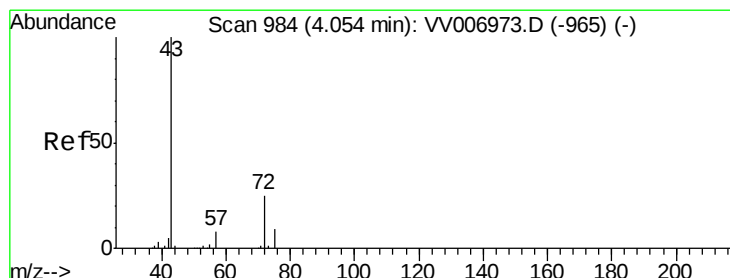
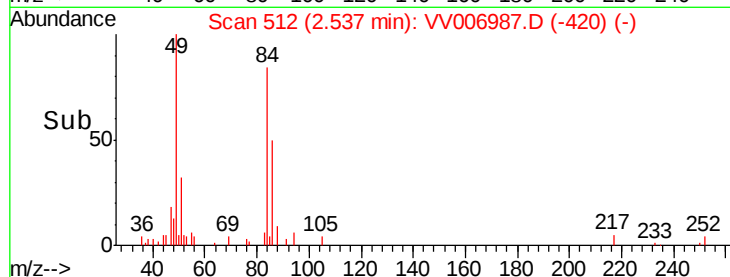
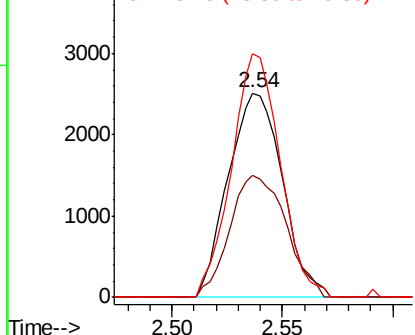
#16  
Methvlene chloride  
Concen: 0.222 ug/L  
RT: 2.54 min Scan# 512  
Delta R.T. -0.00 min  
Lab File: VV006987.D  
Acq: 10 Aug 2018 16:37

Instrument :  
MSVOA\_V  
ClientSampleId :  
C0AD2

Tot Ion: 84 Resp: 4292  
Ion Ratio Lower Upper  
84 100  
86 59.6 45.7 84.9  
49 119.1 78.8 146.4

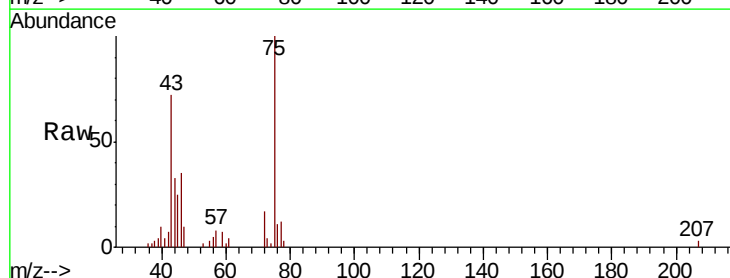


Abundance Ion 84.05 (83.75 to 84.75): VV0  
Ion 86.00 (85.70 to 86.70): VV0  
Ion 49.10 (48.80 to 49.80): VV0

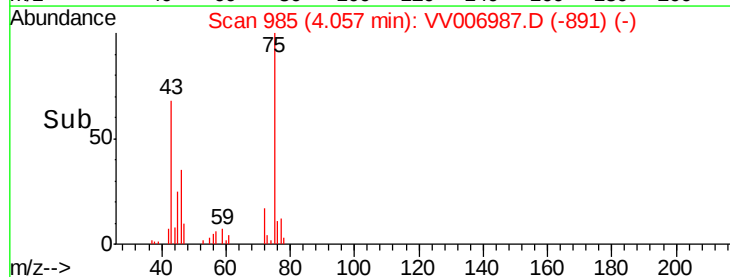
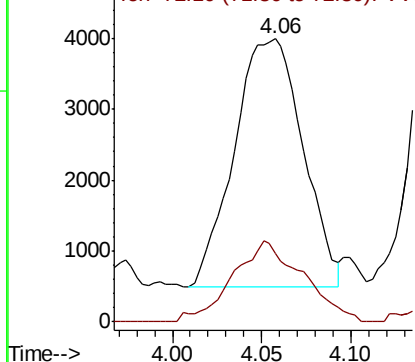


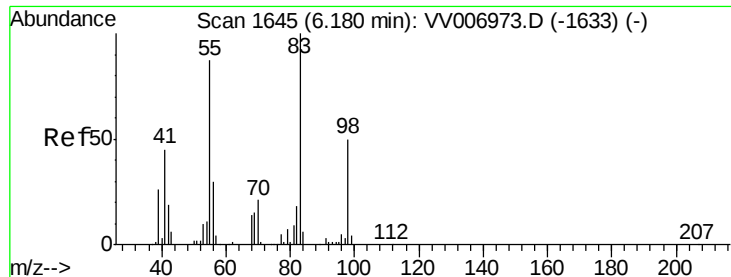
#21  
2-Butanone  
Concen: 2.028 ug/L  
RT: 4.06 min Scan# 985  
Delta R.T. 0.00 min  
Lab File: VV006987.D  
Acq: 10 Aug 2018 16:37

Tgt Ion: 43 Resp: 9385  
Ion Ratio Lower Upper  
43 100  
72 33.5 12.4 37.2



Abundance Ion 43.05 (42.75 to 43.75): VV0  
Ion 72.10 (71.80 to 72.80): VV0

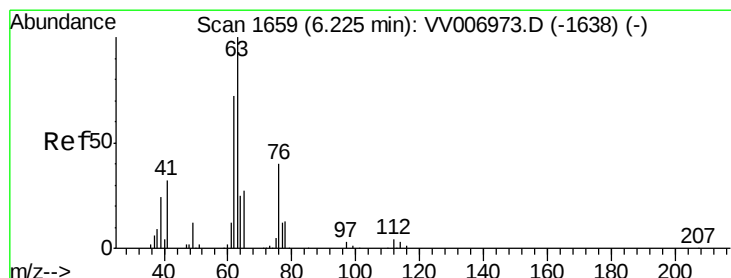
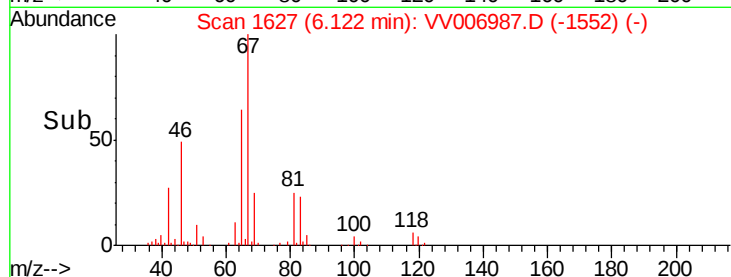
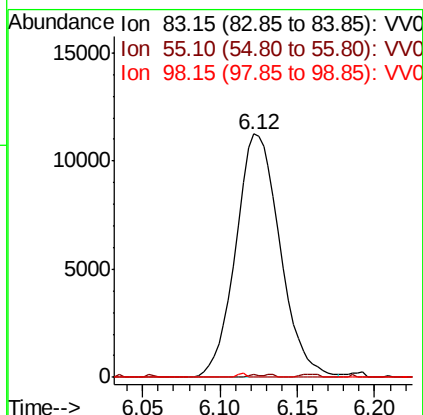
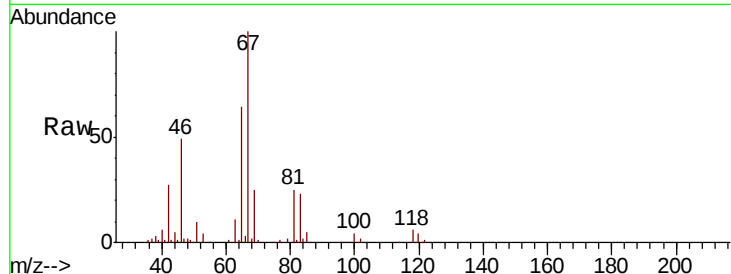




#35  
Methvlcvclohexane  
Concen: 0.764 ug/L  
RT: 6.12 min Scan# 1627  
Delta R.T. -0.06 min  
Lab File: VV006987.D  
Acq: 10 Aug 2018 16:37

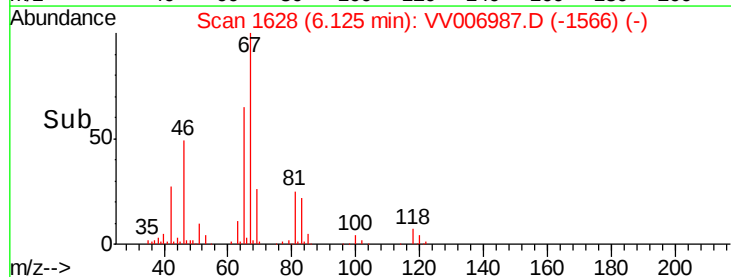
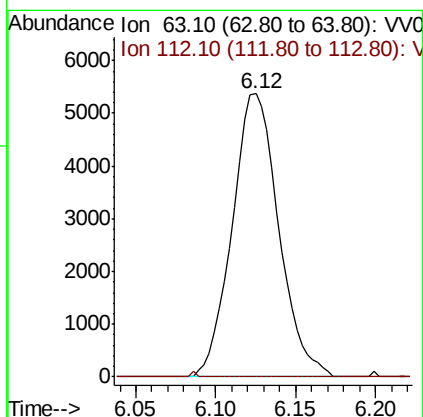
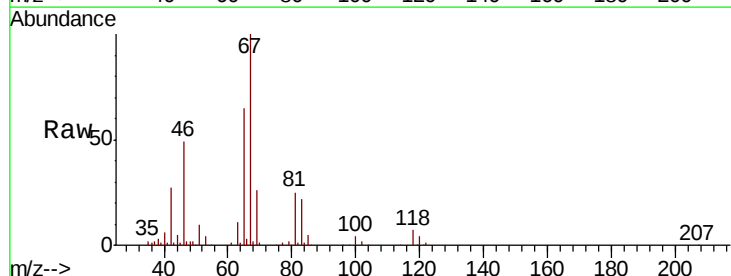
Instrument :  
MSVOA\_V  
ClientSampled :  
C0AD2

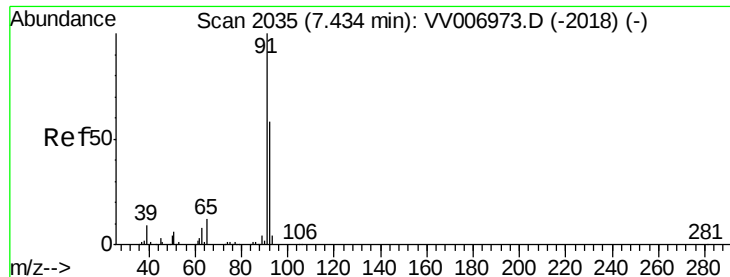
Tot Ion: 83 Resp: 22385  
Ion Ratio Lower Upper  
83 100  
55 0.6 68.1 102.1#  
98 0.3 37.9 56.9#



#37  
1,2-Dichloropropane  
Concen: 0.511 ug/L  
RT: 6.12 min Scan# 1628  
Delta R.T. -0.10 min  
Lab File: VV006987.D  
Acq: 10 Aug 2018 16:37

Tgt Ion: 63 Resp: 10653  
Ion Ratio Lower Upper  
63 100  
112 0.2 3.5 5.3#





#42

Toluene

Concen: 0.483 ug/L

RT: 7.44 min Scan# 2036

Delta R.T. 0.00 min

Lab File: VV006987.D

Acq: 10 Aug 2018 16:37

Instrument :

MSVOA\_V

ClientSampleId :

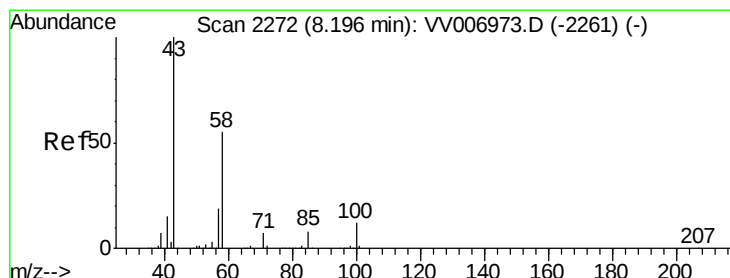
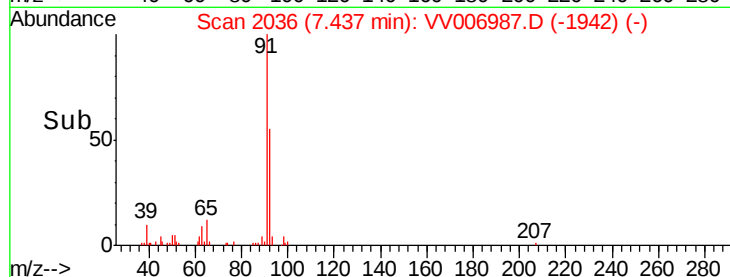
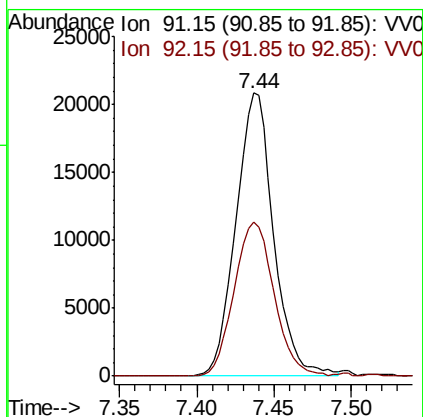
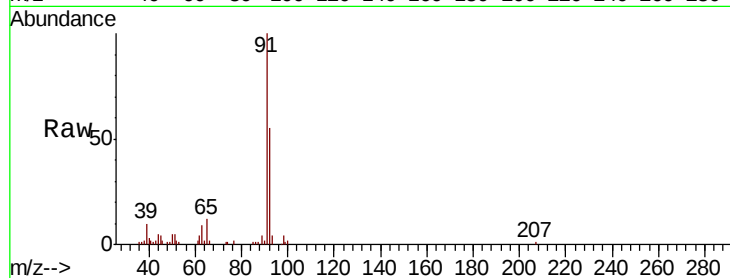
C0AD2

Tot Ion: 91 Resp: 35311

Ion Ratio Lower Upper

91 100

92 54.5 40.2 74.6



#48

2-Hexanone

Concen: 1.691 ug/L

RT: 8.19 min Scan# 2271

Delta R.T. -0.00 min

Lab File: VV006987.D

Acq: 10 Aug 2018 16:37

Tgt Ion: 43 Resp: 13419

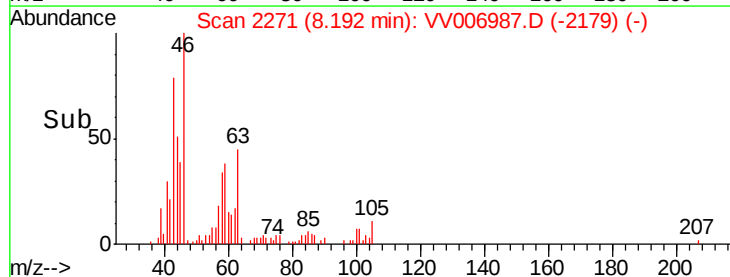
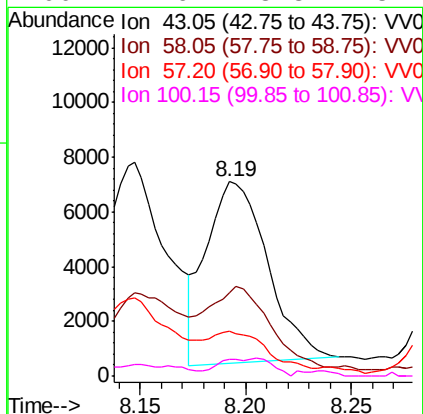
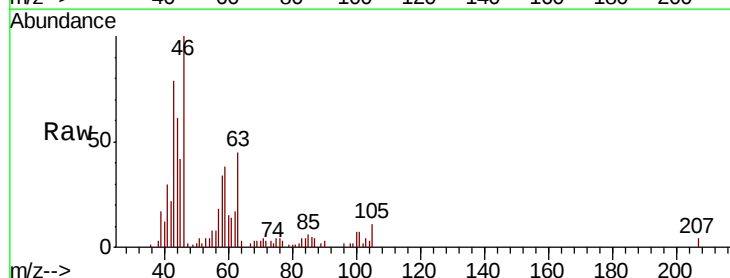
Ion Ratio Lower Upper

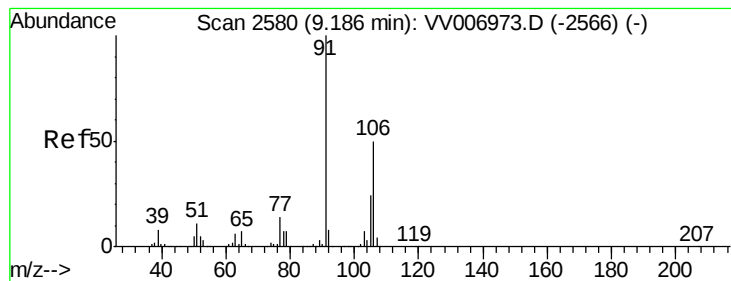
43 100

58 45.4 44.2 66.2

57 19.2 14.8 22.2

100 2.6 8.8 13.2#





#53  
 m,p-xylene  
 Concen: 0.211 ug/L  
 RT: 9.19 min Scan# 2580  
 Delta R.T. -0.00 min  
 Lab File: VV006987.D  
 Acq: 10 Aug 2018 16:37

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0AD2

Tot Ion:106 Resp: 5750  
 Ion Ratio Lower Upper  
 106 100  
 91 198.0 141.6 263.0

