

Data Path : \\74.0.250.170\TERASTORAGE\VOASRV\HPCHEM1\MSVOA\_V\DATA\VV081518\  
 Data File : VV007017.D  
 Acq On : 15 Aug 2018 17:52  
 Operator : SY/MD  
 Sample : J4487-14  
 Misc : 25.0 mL/MSVOA\_V/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0303

Quant Time: Aug 16 02:49:13 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR080918WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Thu Aug 16 02:48:57 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 259782   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 249425   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 102999   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 64929    | 3.87     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 77.40%  |
| 7) Chloroethane-d5             | 1.58   | 69    | 52660    | 3.70     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 74.00%  |
| 11) 1,1-Dichloroethene-d2      | 2.13   | 63    | 85892    | 2.73     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 54.60%# |
| 20) 2-Butanone-d5              | 3.97   | 46    | 162745   | 33.75    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 67.50%  |
| 24) Chloroform-d               | 4.40   | 84    | 118935   | 3.50     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 70.00%  |
| 26) 1,2-Dichloroethane-d4      | 5.09   | 65    | 60404    | 3.52     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 70.40%  |
| 32) Benzene-d6                 | 5.10   | 84    | 231363   | 3.61     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 72.20%  |
| 36) 1,2-Dichloropropane-d6     | 6.12   | 67    | 75909    | 3.47     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 69.40%  |
| 41) Toluene-d8                 | 7.36   | 98    | 173934   | 3.19     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 63.80%# |
| 43) trans-1,3-Dichloropropene- | 7.67   | 79    | 24098    | 3.16     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 63.20%  |
| 46) 2-Hexanone-d5              | 8.15   | 63    | 76536    | 24.56    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 49.12%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27  | 84    | 54495    | 3.19     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 63.80%# |
| 64) 1,2-Dichlorobenzene-d4     | 11.68  | 152   | 64664    | 3.61     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 72.20%# |

## Target Compounds

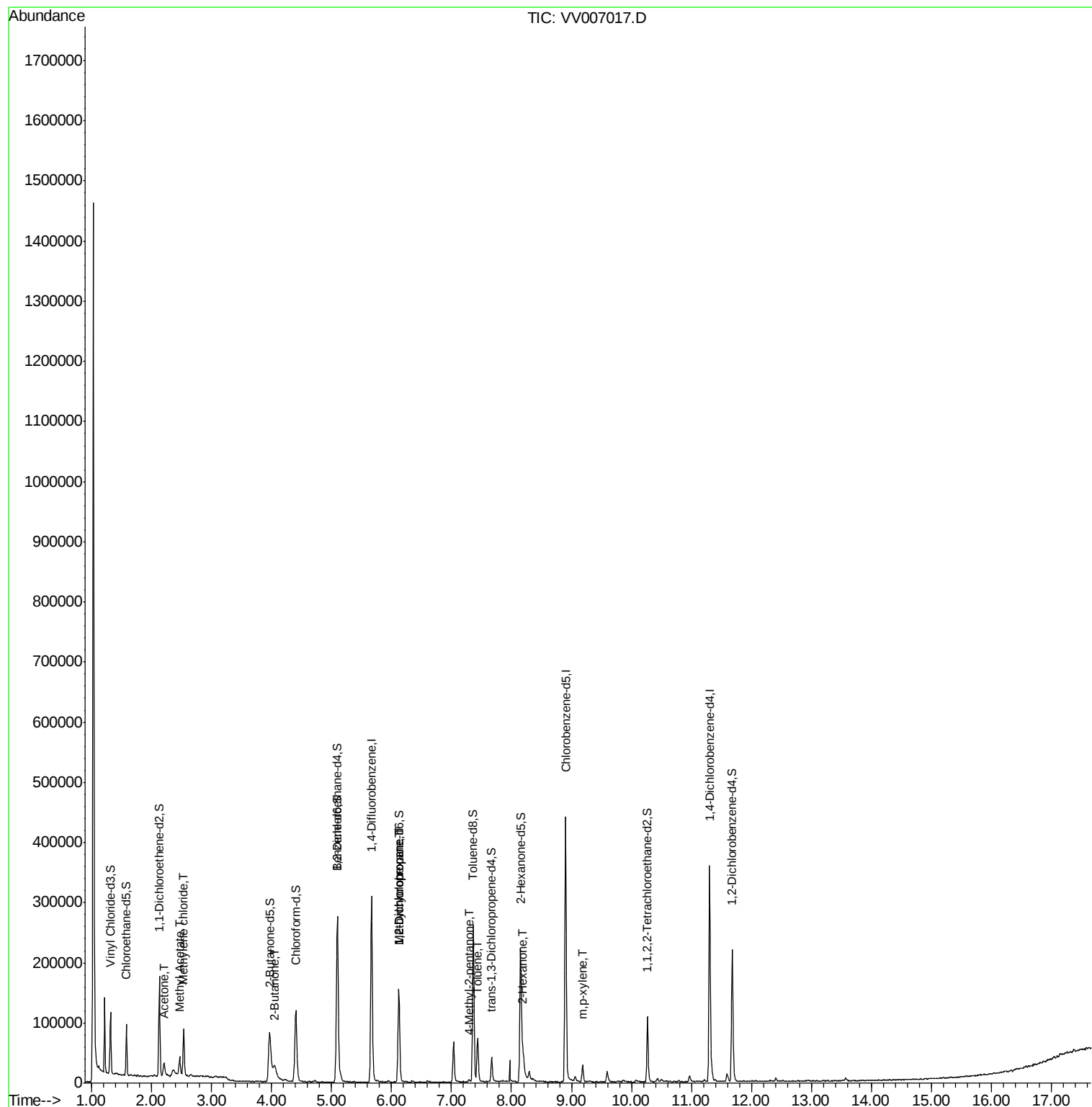
| Target Compounds         | R.T. | QIon | Response | Conc   | Units  | Qvalue |
|--------------------------|------|------|----------|--------|--------|--------|
| 13) Acetone              | 2.21 | 43   | 28371    | 11.425 | ug/L   | 97     |
| 15) Methyl Acetate       | 2.47 | 43   | 34349    | 4.915  | ug/L   | 98     |
| 16) Methylene chloride   | 2.54 | 84   | 33686    | 1.498  | ug/L   | 97     |
| 21) 2-Butanone           | 4.06 | 43   | 6371     | 1.182  | ug/L   | 95     |
| 35) Methylcyclohexane    | 6.12 | 83   | 17447    | 0.524  | ug/L # | 16     |
| 37) 1,2-Dichloropropane  | 6.12 | 63   | 8150     | 0.345  | ug/L # | 89     |
| 40) 4-Methyl-2-pentanone | 7.29 | 43   | 2957     | 0.231  | ug/L # | 84     |
| 42) Toluene              | 7.44 | 91   | 52819    | 0.636  | ug/L   | 97     |
| 48) 2-Hexanone           | 8.20 | 43   | 18158    | 2.015  | ug/L # | 81     |
| 53) m,p-xylene           | 9.19 | 106  | 8056     | 0.261  | ug/L   | 84     |

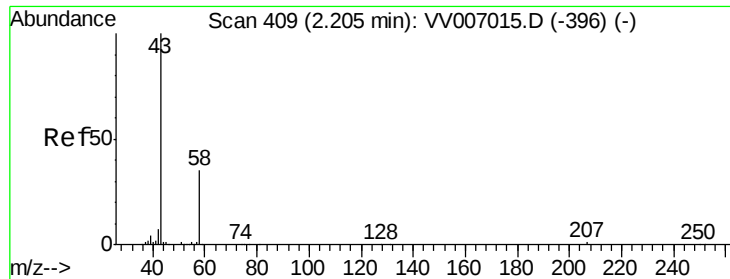
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0  
QLast Update : Thu Aug 16 02:48:57 2018  
Response via : Initial Calibration





#13

Acetone

Concen: 11.425 ug/L

RT: 2.21 min Scan# 410

Delta R.T. 0.00 min

Lab File: VV007017.D

Acq: 15 Aug 2018 17:52

Instrument :

MSVOA\_V

ClientSampleId :

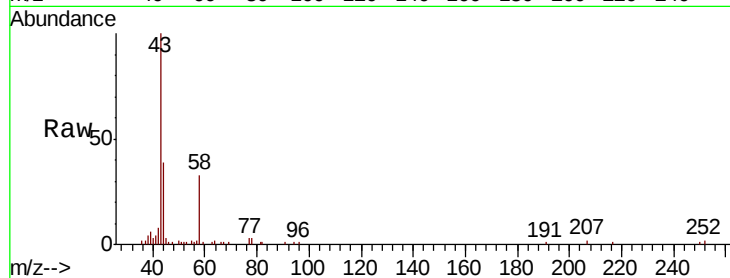
C0303

Tgt Ion: 43 Resp: 28371

Ion Ratio Lower Upper

43 100

58 37.5 0.0 71.4



Abundance Ion 43.05 (42.75 to 43.75): VV007017.D (-316) (-)

Ion 58.05 (57.75 to 58.75): VV007017.D (-316) (-)

15000

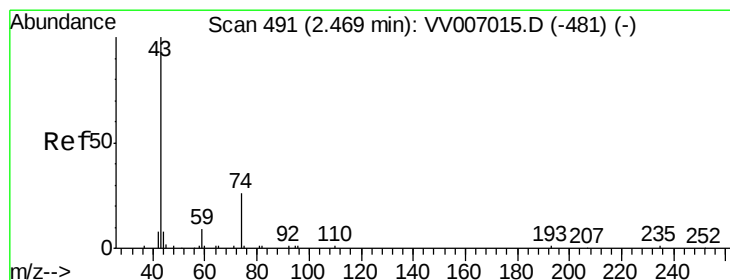
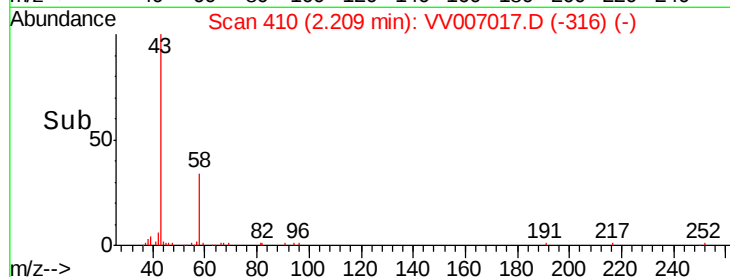
10000

5000

0

2.15 2.20 2.25

Time-->



#15

Methyl Acetate

Concen: 4.915 ug/L

RT: 2.47 min Scan# 491

Delta R.T. -0.00 min

Lab File: VV007017.D

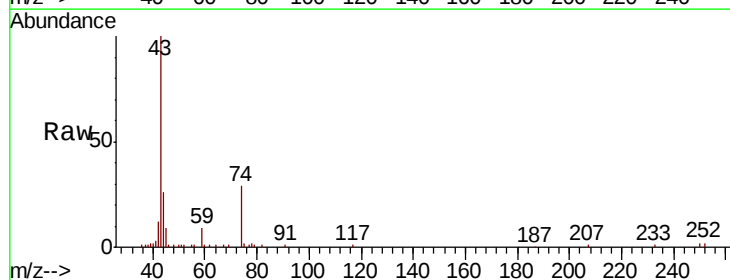
Acq: 15 Aug 2018 17:52

Tgt Ion: 43 Resp: 34349

Ion Ratio Lower Upper

43 100

74 29.5 24.6 37.0



Abundance Ion 43.05 (42.75 to 43.75): VV007017.D (-398) (-)

Ion 74.05 (73.75 to 74.75): VV007017.D (-398) (-)

20000

15000

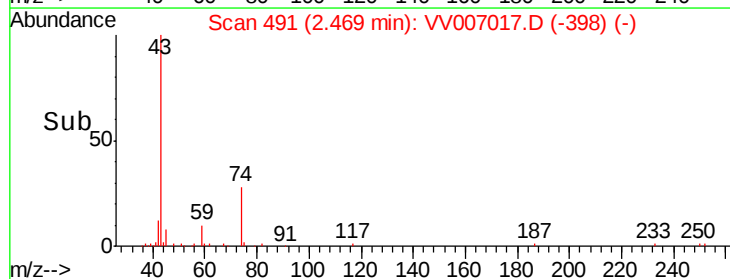
10000

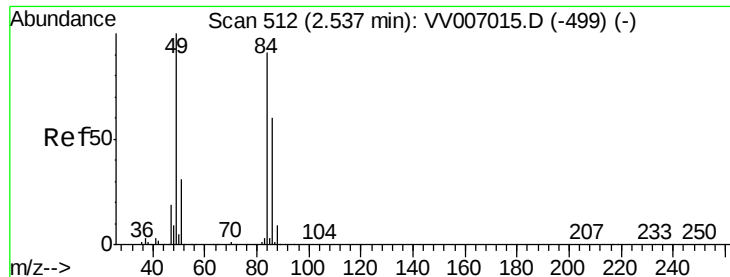
5000

0

2.40 2.45 2.50

Time-->

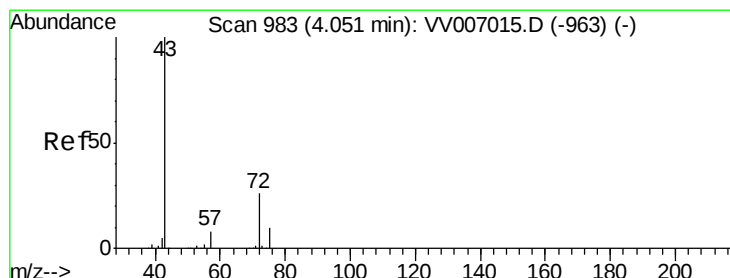
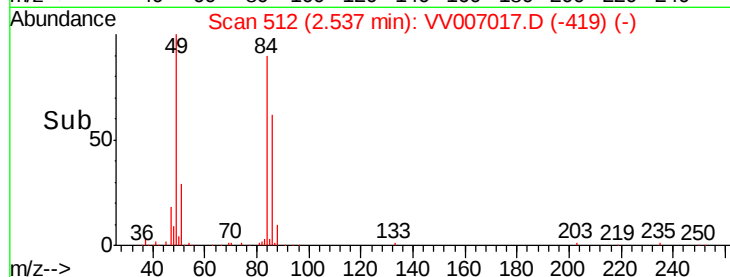
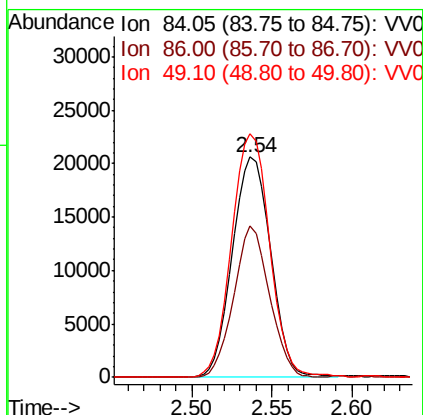
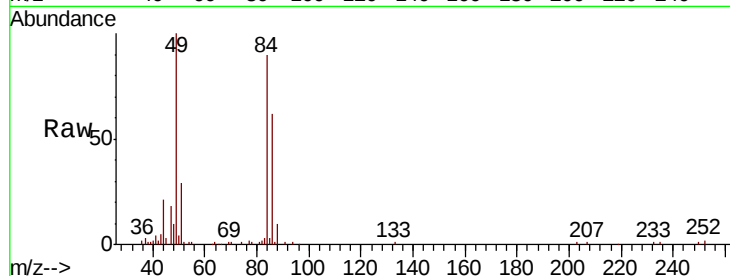




#16  
Methylene chloride  
Concen: 1.498 ug/L  
RT: 2.54 min Scan# 512  
Delta R.T. -0.00 min  
Lab File: VV007017.D  
Acq: 15 Aug 2018 17:52

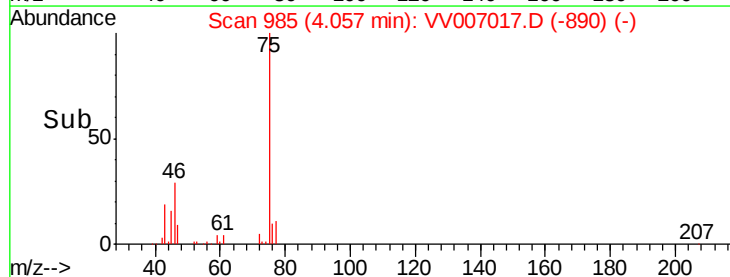
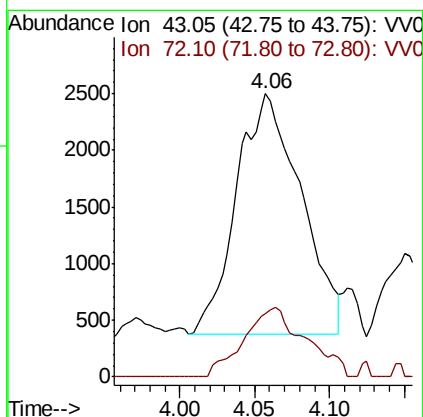
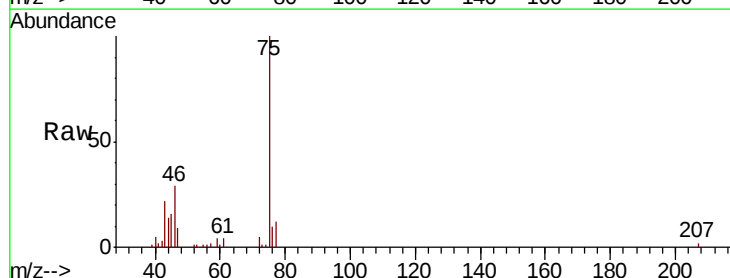
Instrument :  
MSVOA\_V  
ClientSampled :  
C0303

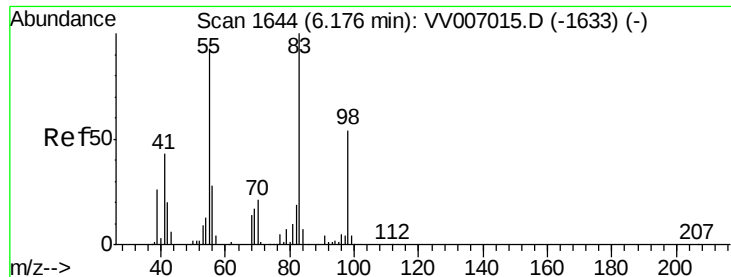
Tgt Ion: 84 Resp: 33686  
Ion Ratio Lower Upper  
84 100  
86 68.6 45.7 84.9  
49 110.6 78.8 146.4



#21  
2-Butanone  
Concen: 1.182 ug/L  
RT: 4.06 min Scan# 985  
Delta R.T. 0.01 min  
Lab File: VV007017.D  
Acq: 15 Aug 2018 17:52

Tgt Ion: 43 Resp: 6371  
Ion Ratio Lower Upper  
43 100  
72 27.5 12.4 37.2

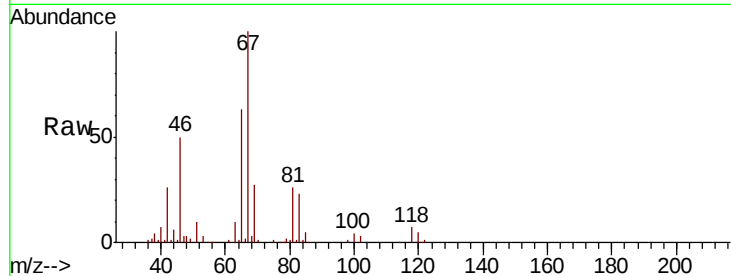




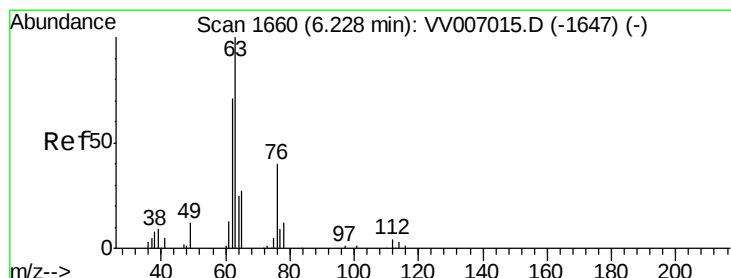
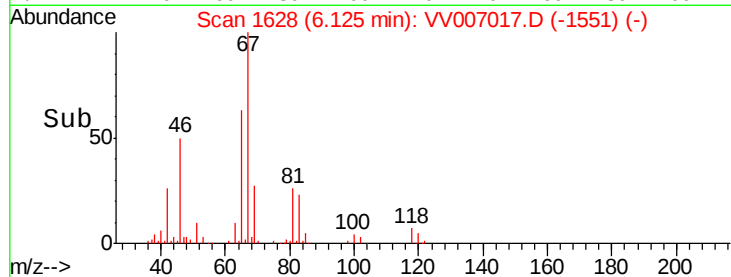
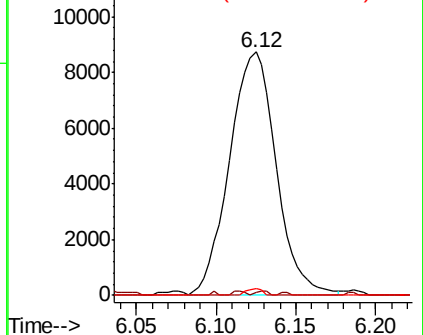
#35  
Methylcyclohexane  
Concen: 0.524 ug/L  
RT: 6.12 min Scan# 1628  
Delta R.T. -0.05 min  
Lab File: VV007017.D  
Acq: 15 Aug 2018 17:52

Instrument :  
MSVOA\_V  
ClientSampleId :  
C0303

Tgt Ion: 83 Resp: 17447  
Ion Ratio Lower Upper  
83 100  
55 0.4 68.1 102.1#  
98 0.9 37.9 56.9#

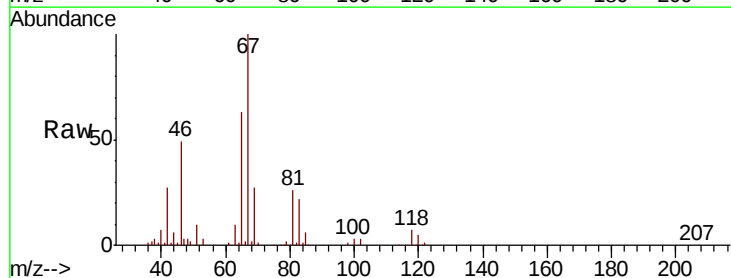


Abundance Ion 83.15 (82.85 to 83.85): VV0  
Ion 55.10 (54.80 to 55.80): VV0  
Ion 98.15 (97.85 to 98.85): VV0

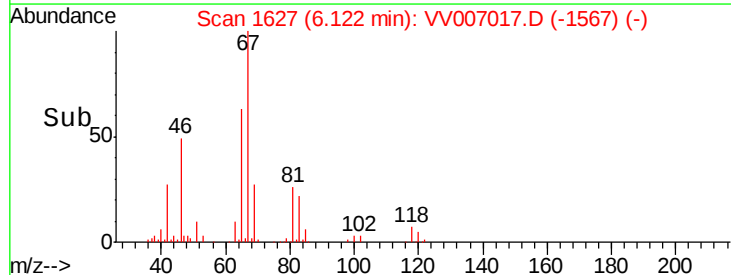
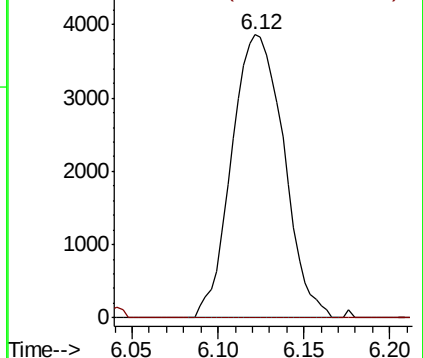


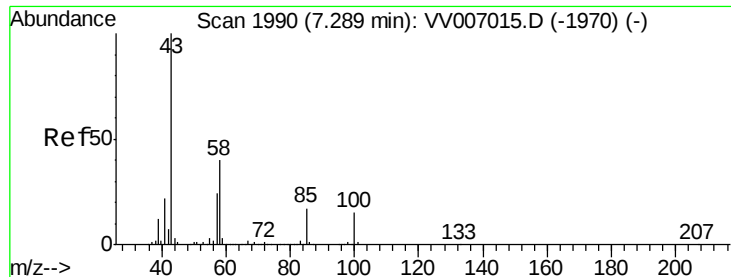
#37  
1,2-Dichloropropane  
Concen: 0.345 ug/L  
RT: 6.12 min Scan# 1627  
Delta R.T. -0.11 min  
Lab File: VV007017.D  
Acq: 15 Aug 2018 17:52

Tgt Ion: 63 Resp: 8150  
Ion Ratio Lower Upper  
63 100  
112 0.9 3.5 5.3#



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

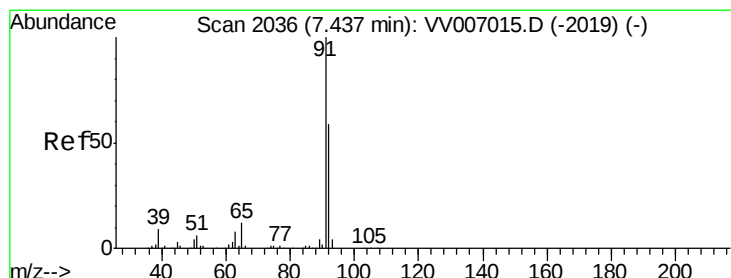
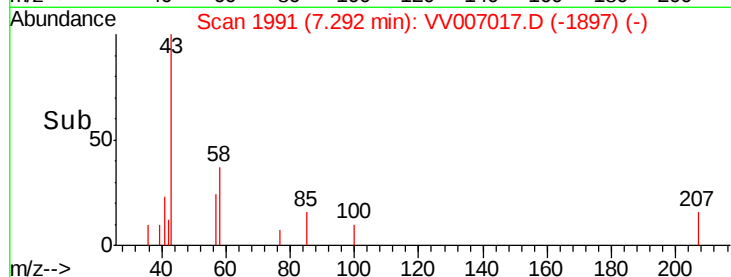
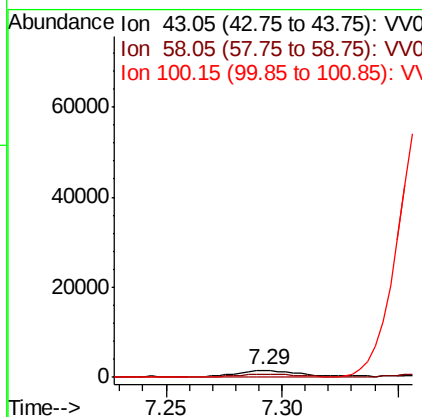
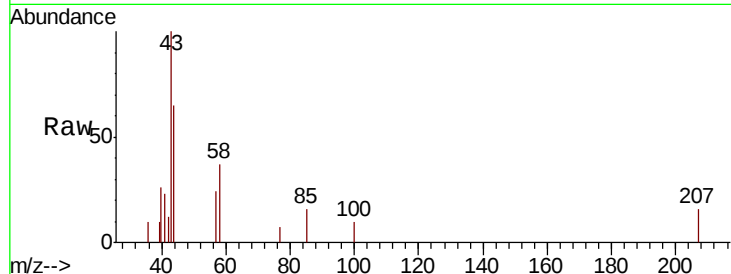




#40  
 4-Methyl-2-pentanone  
 Concen: 0.231 ug/L  
 RT: 7.29 min Scan# 1991  
 Delta R.T. 0.00 min  
 Lab File: VV007017.D  
 Acq: 15 Aug 2018 17:52

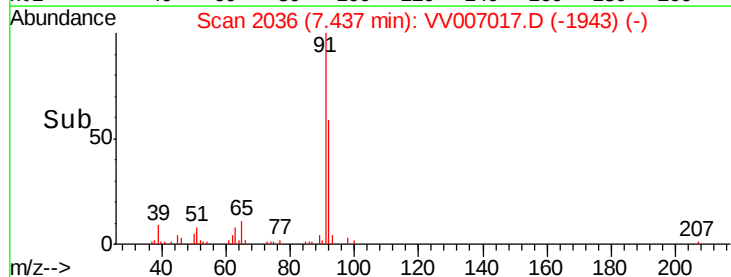
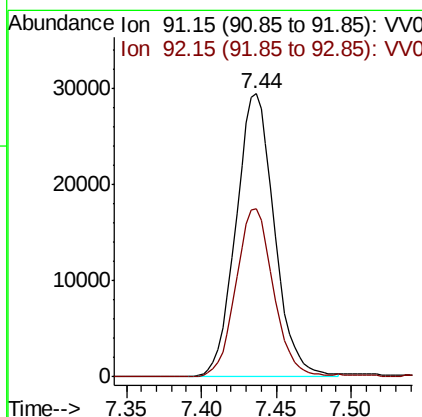
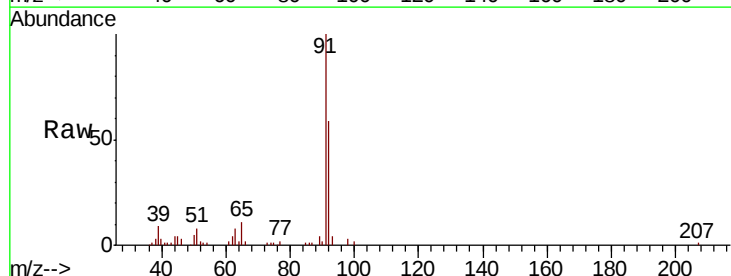
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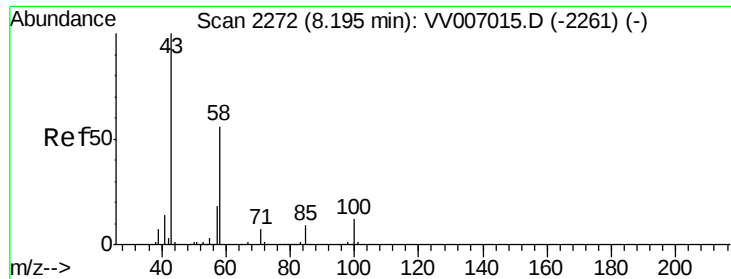
Tgt Ion: 43 Resp: 2957  
 Ion Ratio Lower Upper  
 43 100  
 58 44.0 30.7 46.1  
 100 0.0 11.2 16.8#



#42  
 Toluene  
 Concen: 0.636 ug/L  
 RT: 7.44 min Scan# 2036  
 Delta R.T. -0.00 min  
 Lab File: VV007017.D  
 Acq: 15 Aug 2018 17:52

Tgt Ion: 91 Resp: 52819  
 Ion Ratio Lower Upper  
 91 100  
 92 59.4 40.2 74.6

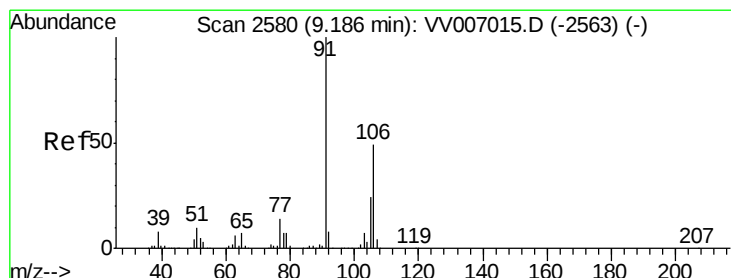
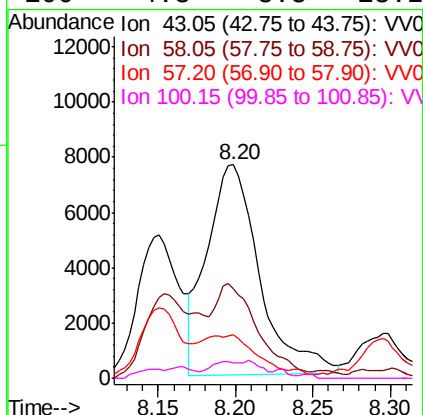
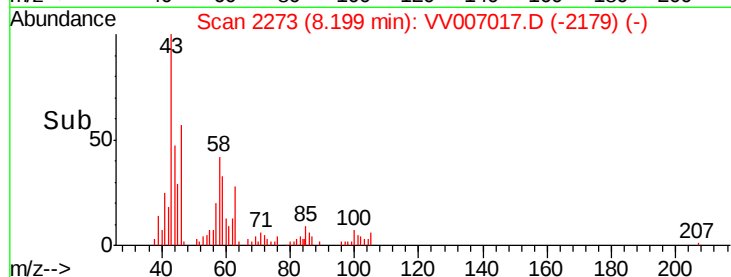
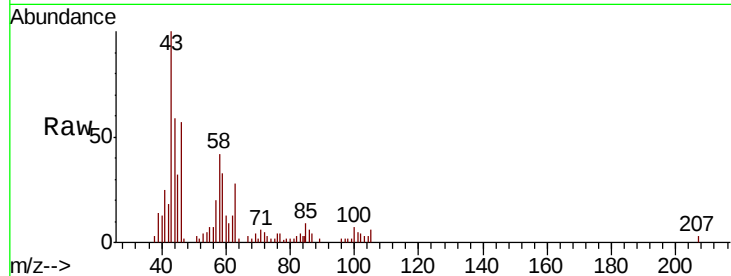




#48  
2-Hexanone  
Concen: 2.015 ug/L  
RT: 8.20 min Scan# 2273  
Delta R.T. 0.00 min  
Lab File: VV007017.D  
Acq: 15 Aug 2018 17:52

Instrument :  
MSVOA\_V  
ClientSampleId :  
C0303

Tgt Ion: 43 Resp: 18158  
Ion Ratio Lower Upper  
43 100  
58 36.9 44.2 66.2#  
57 19.0 14.8 22.2  
100 4.3 8.8 13.2#



#53  
m,p-xylene  
Concen: 0.261 ug/L  
RT: 9.19 min Scan# 2580  
Delta R.T. -0.00 min  
Lab File: VV007017.D  
Acq: 15 Aug 2018 17:52

Tgt Ion: 106 Resp: 8056  
Ion Ratio Lower Upper  
106 100  
91 227.0 141.6 263.0

