

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_V\DATA\VV062618\  
 Data File : VV006464.D  
 Acq On : 26 Jun 2018 13:53  
 Operator : SY/MD  
 Sample : J3673-19  
 Misc : 25 mL/MSVOA\_V/WATER  
 ALS Vial : 5 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 DAZB2

Quant Time: Jun 27 02:23:25 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR062518WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Wed Jun 27 02:22:39 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 313283   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 283288   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 125613   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |        |
|--------------------------------|--------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 88614    | 4.30     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 86.00% |
| 7) Chloroethane-d5             | 1.58   | 69    | 69088    | 4.16     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 83.20% |
| 11) 1,1-Dichloroethene-d2      | 2.13   | 63    | 120959   | 3.32     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 66.40% |
| 20) 2-Butanone-d5              | 3.96   | 46    | 192110   | 49.77    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 99.54% |
| 24) Chloroform-d               | 4.41   | 84    | 158490   | 4.51     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 90.20% |
| 26) 1,2-Dichloroethane-d4      | 5.09   | 65    | 78752    | 4.79     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 95.80% |
| 32) Benzene-d6                 | 5.11   | 84    | 346981   | 4.71     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 94.20% |
| 36) 1,2-Dichloropropane-d6     | 6.12   | 67    | 103585   | 4.71     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 94.20% |
| 41) Toluene-d8                 | 7.37   | 98    | 315325   | 4.51     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 90.20% |
| 43) trans-1,3-Dichloropropene- | 7.67   | 79    | 30557    | 3.78     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 75.60% |
| 46) 2-Hexanone-d5              | 8.14   | 63    | 145590   | 45.39    | ug/L | 0.00   |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 90.78% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27  | 84    | 59382    | 4.40     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 88.00% |
| 64) 1,2-Dichlorobenzene-d4     | 11.68  | 152   | 114548   | 4.91     | ug/L | 0.00   |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 98.20% |

## Target Compounds

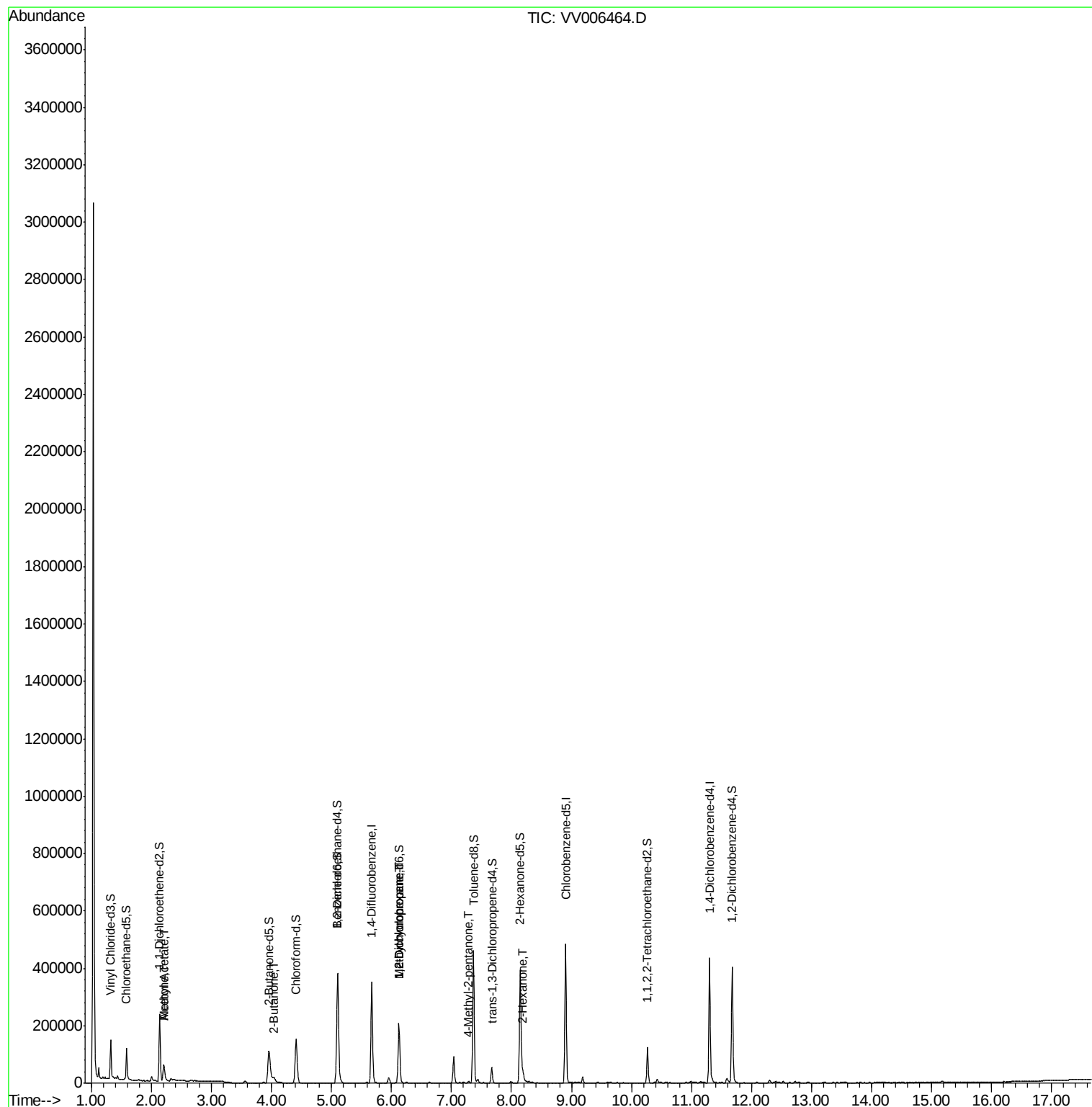
|                          |      |    |       |              | Qvalue |
|--------------------------|------|----|-------|--------------|--------|
| 13) Acetone              | 2.21 | 43 | 66848 | 28.254 ug/L  | 98     |
| 15) Methyl Acetate       | 2.21 | 43 | 64769 | 9.297 ug/L # | 47     |
| 21) 2-Butanone           | 4.05 | 43 | 20408 | 4.773 ug/L   | 99     |
| 35) Methylcyclohexane    | 6.13 | 83 | 25314 | 0.727 ug/L # | 20     |
| 37) 1,2-Dichloropropane  | 6.12 | 63 | 10073 | 0.493 ug/L # | 85     |
| 40) 4-Methyl-2-pentanone | 7.29 | 43 | 3853  | 0.387 ug/L # | 81     |
| 48) 2-Hexanone           | 8.19 | 43 | 18083 | 2.527 ug/L # | 79     |

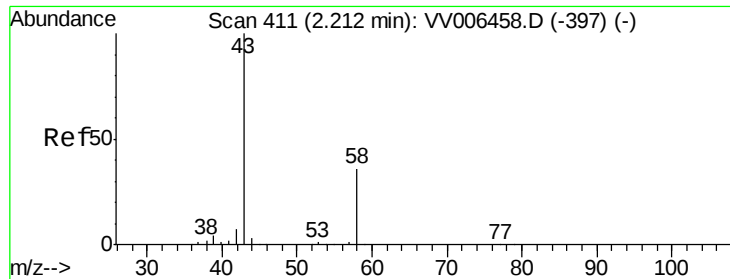
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : TRACE VOA SOM01.0  
QLast Update : Wed Jun 27 02:22:39 2018  
Response via : Initial Calibration





#13

Acetone

Concen: 28.254 ug/L

RT: 2.21 min Scan# 409

Delta R.T. -0.01 min

Lab File: VV006464.D

Acq: 26 Jun 2018 13:53

Instrument :

MSVOA\_V

ClientSampleId :

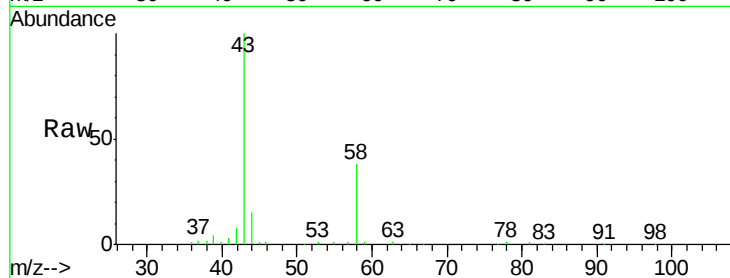
DAZB2

Tgt Ion: 43 Resp: 66848

Ion Ratio Lower Upper

43 100

58 37.5 0.0 77.4



Abundance Ion 43.05 (42.75 to 43.75): VV006464.D (-397) (-)

Ion 58.05 (57.75 to 58.75): VV006464.D (-397) (-)

2.21

40000

30000

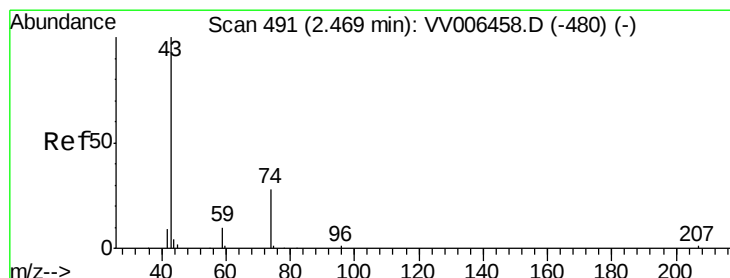
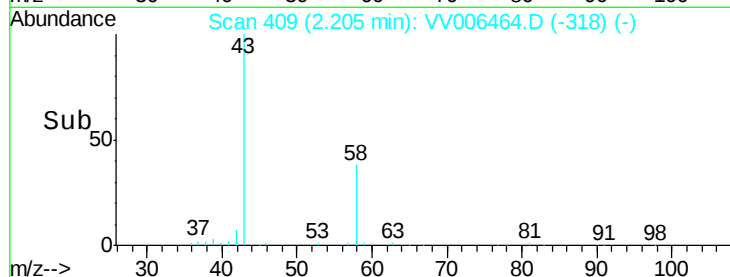
20000

10000

0

Time-->

2.10 2.20 2.30



#15

Methyl Acetate

Concen: 9.297 ug/L

RT: 2.21 min Scan# 409

Delta R.T. -0.26 min

Lab File: VV006464.D

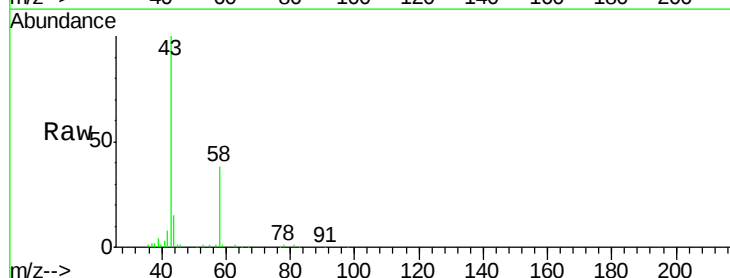
Acq: 26 Jun 2018 13:53

Tgt Ion: 43 Resp: 64769

Ion Ratio Lower Upper

43 100

74 0.0 22.2 33.4#



Abundance Ion 43.05 (42.75 to 43.75): VV006464.D (-397) (-)

Ion 74.05 (73.75 to 74.75): VV006464.D (-397) (-)

2.21

40000

30000

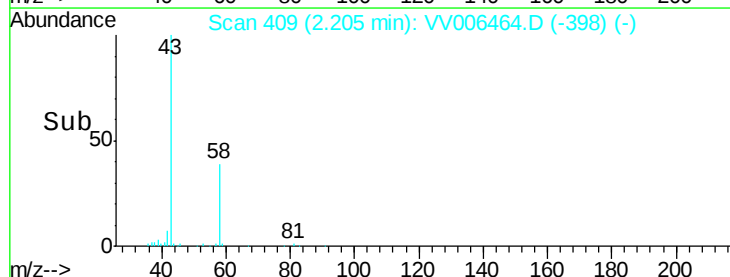
20000

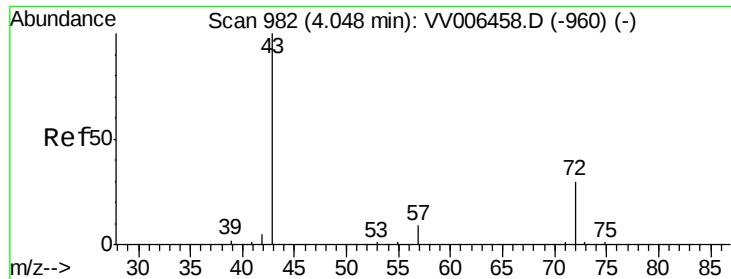
10000

0

Time-->

2.15 2.20 2.25 2.30





#21

2-Butanone

Concen: 4.773 ug/L

RT: 4.05 min Scan# 982

Delta R.T. 0.00 min

Lab File: VV006464.D

Acq: 26 Jun 2018 13:53

Instrument :

MSVOA\_V

ClientSampleId :

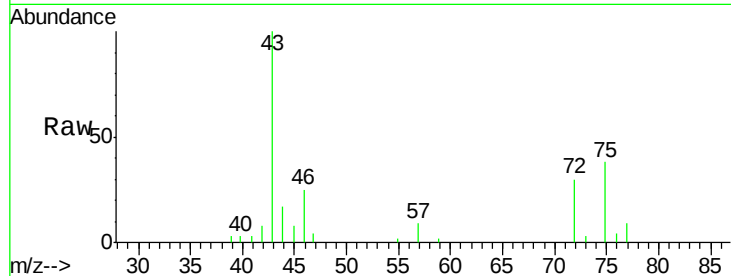
DAZB2

Tgt Ion: 43 Resp: 20408

Ion Ratio Lower Upper

43 100

72 30.2 15.4 46.1



Abundance Ion 43.05 (42.75 to 43.75): VV006464.D (-889) (-)

Ion 72.10 (71.80 to 72.80): VV006464.D (-889) (-)

4.05

8000

6000

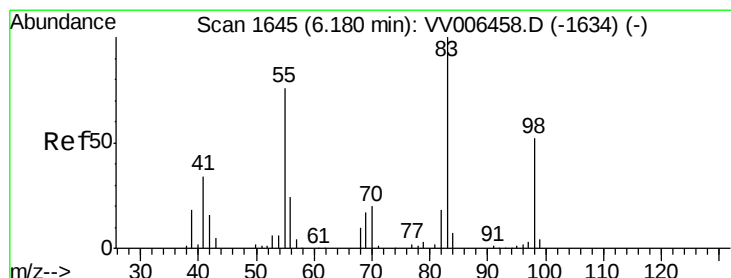
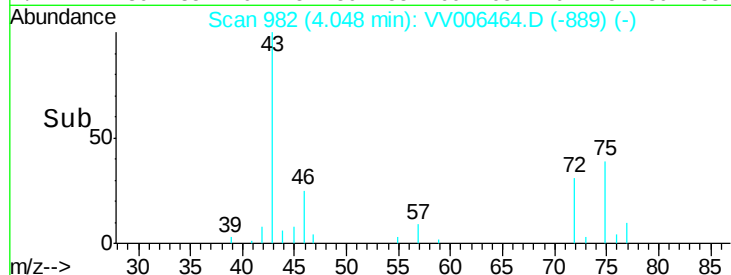
4000

2000

0

Time-->

3.90 4.00 4.10 4.20



#35

Methylcyclohexane

Concen: 0.727 ug/L

RT: 6.13 min Scan# 1629

Delta R.T. -0.05 min

Lab File: VV006464.D

Acq: 26 Jun 2018 13:53

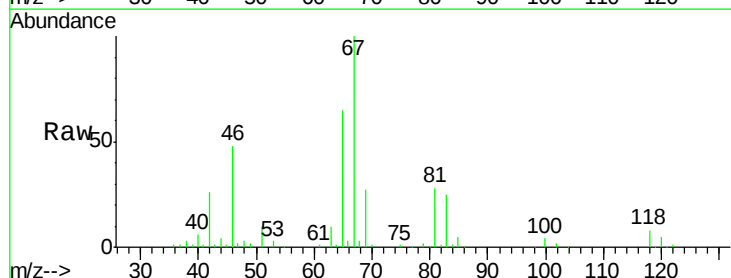
Tgt Ion: 83 Resp: 25314

Ion Ratio Lower Upper

83 100

55 0.1 57.5 86.3#

98 0.7 39.6 59.4#



Abundance Ion 83.15 (82.85 to 83.85): VV006464.D (-1552) (-)

Ion 55.10 (54.80 to 55.80): VV006464.D (-1552) (-)

Ion 98.15 (97.85 to 98.85): VV006464.D (-1552) (-)

6.13

15000

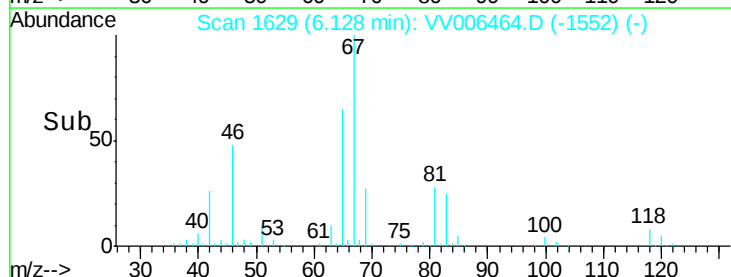
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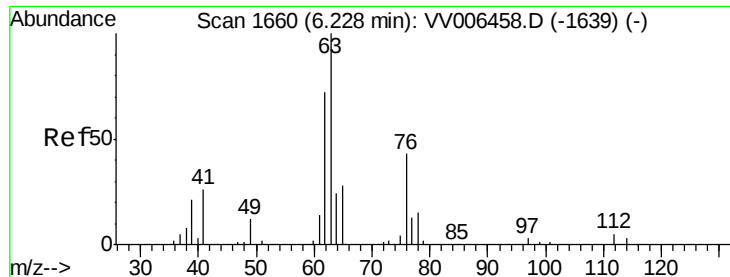
5000

0

Time-->

6.05 6.10 6.15 6.20

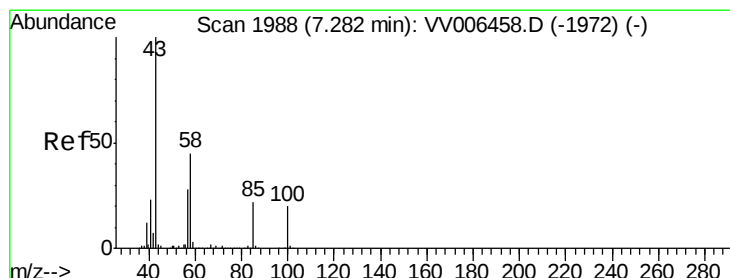
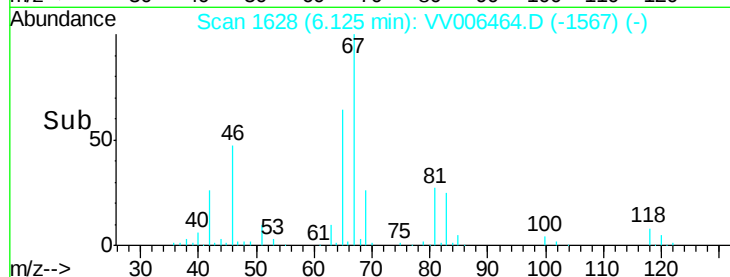
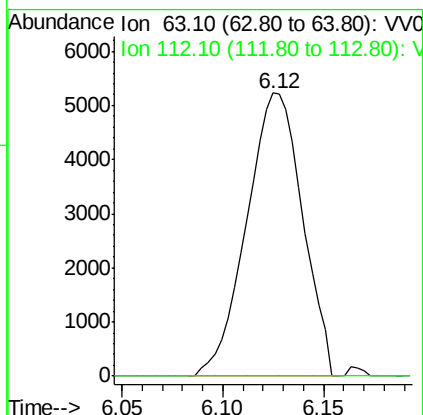
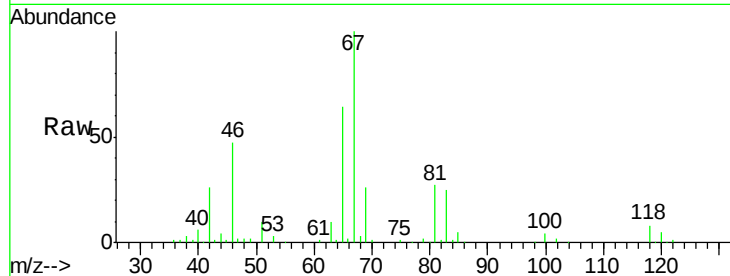




#37  
 1,2-Dichloropropane  
 Concen: 0.493 ug/L  
 RT: 6.12 min Scan# 1628  
 Delta R.T. -0.10 min  
 Lab File: VV006464.D  
 Acq: 26 Jun 2018 13:53

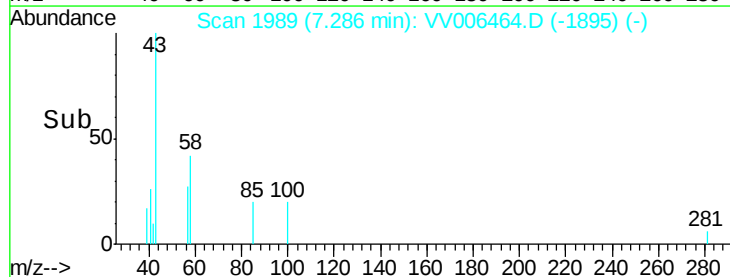
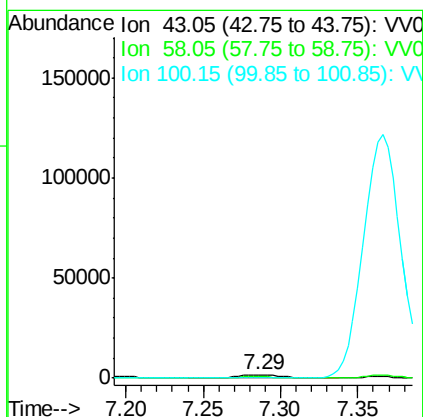
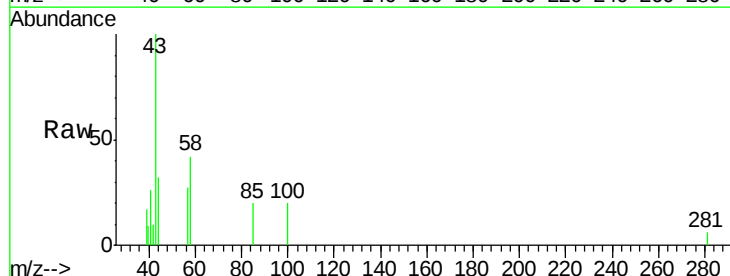
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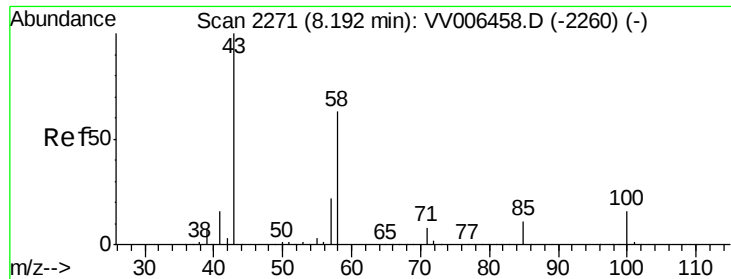
Tgt Ion: 63 Resp: 10073  
 Ion Ratio Lower Upper  
 63 100  
 112 0.0 4.0 6.0#



#40  
 4-Methyl-2-pentanone  
 Concen: 0.387 ug/L  
 RT: 7.29 min Scan# 1989  
 Delta R.T. 0.00 min  
 Lab File: VV006464.D  
 Acq: 26 Jun 2018 13:53

Tgt Ion: 43 Resp: 3853  
 Ion Ratio Lower Upper  
 43 100  
 58 38.5 35.4 53.2  
 100 0.0 15.5 23.3#





#48

2-Hexanone

Concen: 2.527 ug/L

RT: 8.19 min Scan# 2271

Delta R.T. 0.00 min

Lab File: VV006464.D

Acq: 26 Jun 2018 13:53

Instrument :  
MSVOA\_V  
ClientSampleId :  
DAZB2

Tgt Ion: 43 Resp: 18083

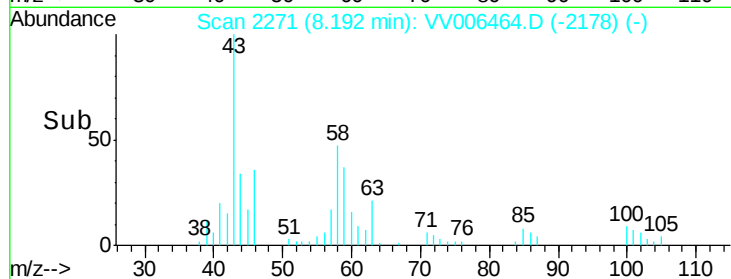
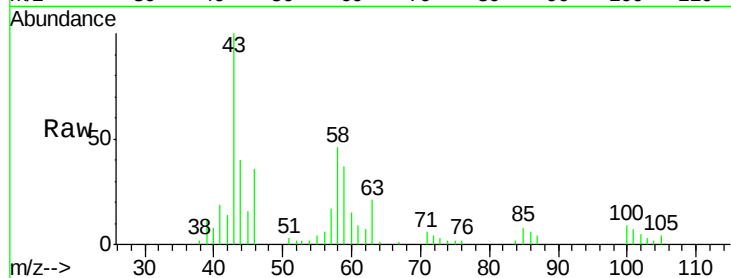
Ion Ratio Lower Upper

43 100

58 42.2 49.9 74.9#

57 16.2 17.3 25.9#

100 8.9 12.5 18.7#



Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 57.20 (56.90 to 57.90): VV0

Ion 100.15 (99.85 to 100.85): VV0

