

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV092718\  
 Data File : VV007930.D  
 Acq On : 28 Sep 2018 01:45  
 Operator : SY/MD  
 Sample : J5063-21  
 Misc : 25.0 mL/MSVOA V/WATER  
 ALS Vial : 43 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Quant Time: Sep 28 03:48:34 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR092718WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Sep 28 03:46:50 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 86954    | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 81203    | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 39519    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 21008    | 4.51     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 90.20%  |
| 7) Chloroethane-d5             | 1.59   | 69    | 20298    | 5.04     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 100.80% |
| 11) 1,1-Dichloroethene-d2      | 2.14   | 63    | 36795    | 3.50     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 70.00%  |
| 20) 2-Butanone-d5              | 3.96   | 46    | 65487    | 46.71    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 93.42%  |
| 24) Chloroform-d               | 4.41   | 84    | 50620    | 4.77     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 95.40%  |
| 26) 1,2-Dichloroethane-d4      | 5.09   | 65    | 28257    | 4.84     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 96.80%  |
| 32) Benzene-d6                 | 5.10   | 84    | 98951    | 5.10     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 102.00% |
| 36) 1,2-Dichloropropane-d6     | 6.13   | 67    | 31109    | 5.06     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 101.20% |
| 41) Toluene-d8                 | 7.36   | 98    | 91733    | 4.65     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 93.00%  |
| 43) trans-1,3-Dichloropropene- | 7.67   | 79    | 9864     | 4.17     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 83.40%  |
| 46) 2-Hexanone-d5              | 8.14   | 63    | 47255    | 45.24    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 90.48%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27  | 84    | 22401    | 4.72     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 94.40%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.68  | 152   | 38739    | 5.06     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 101.20% |

## Target Compounds

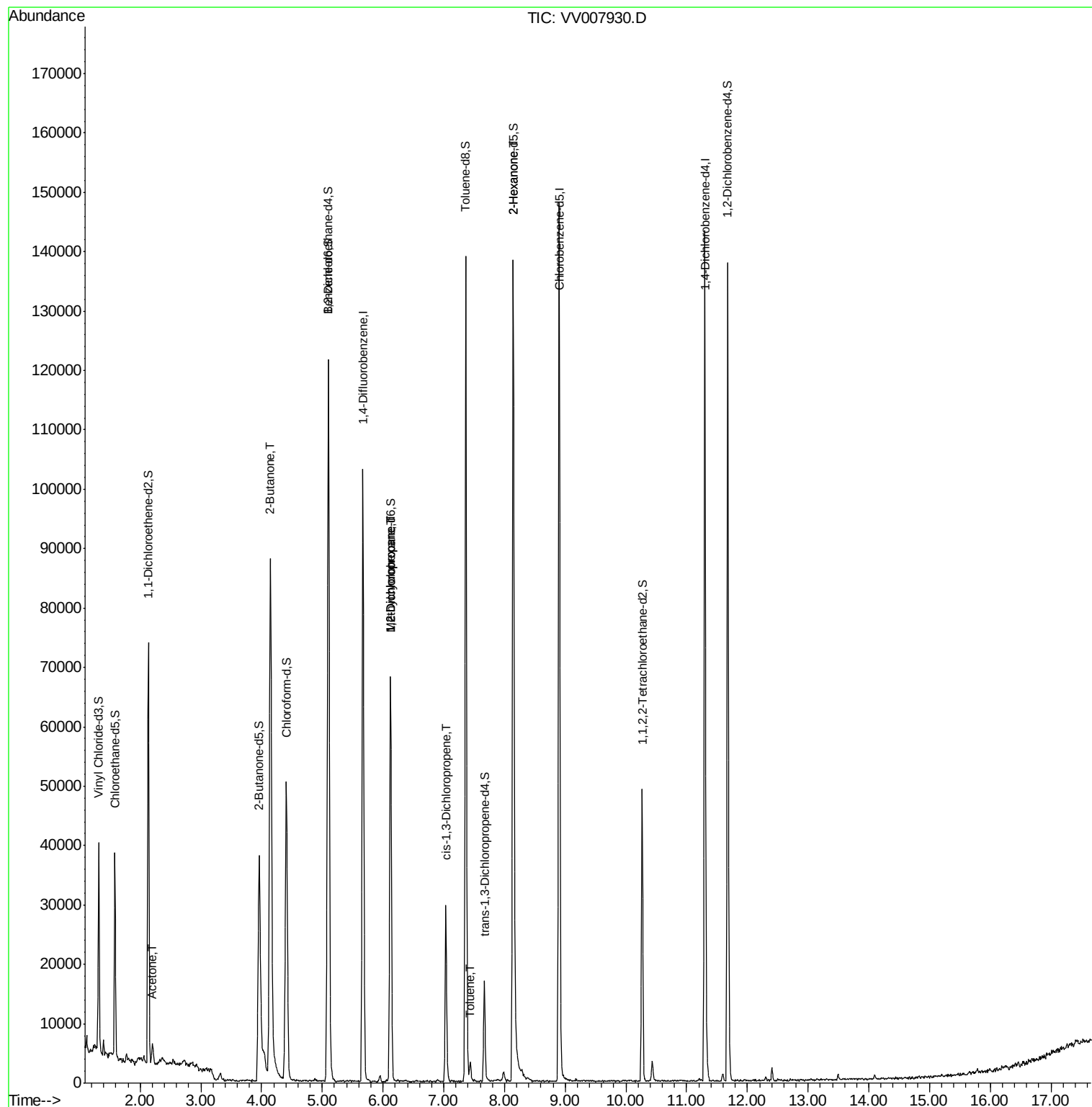
|                             |      |    |        |        | Ovalue    |
|-----------------------------|------|----|--------|--------|-----------|
| 13) Acetone                 | 2.21 | 43 | 4353   | 4.261  | ug/L 94   |
| 21) 2-Butanone              | 4.14 | 43 | 141513 | 86.948 | ug/L # 50 |
| 35) Methylcyclohexane       | 6.12 | 83 | 7662   | 0.767  | ug/L # 18 |
| 37) 1,2-Dichloropropane     | 6.12 | 63 | 3651   | 0.615  | ug/L # 87 |
| 39) cis-1,3-Dichloropropene | 7.03 | 75 | 862    | 0.108  | ug/L # 74 |
| 42) Toluene                 | 7.44 | 91 | 2414   | 0.095  | ug/L 96   |
| 48) 2-Hexanone              | 8.14 | 43 | 6717   | 2.590  | ug/L # 83 |

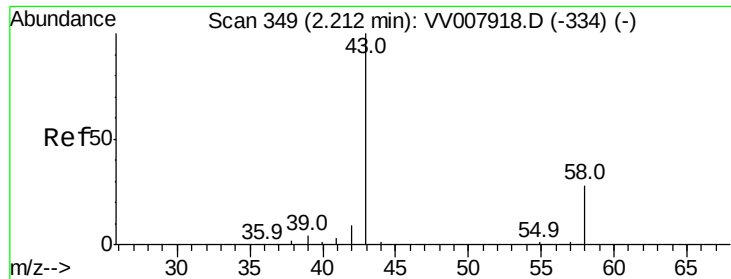
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA\_V  
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Quant Title : TRACE VOA SOM01.0  
QLast Update : Fri Sep 28 03:46:50 2018  
Response via : Initial Calibration





#13

Acetone

Concen: 4.261 ug/L

RT: 2.21 min Scan# 347

Delta R.T. -0.01 min

Lab File: VV007930.D

Acq: 28 Sep 2018 01:45

Instrument :

MSVOA\_V

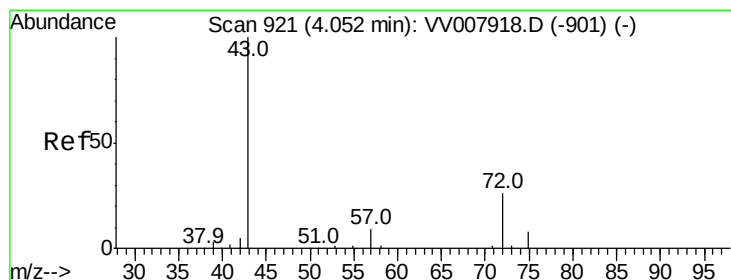
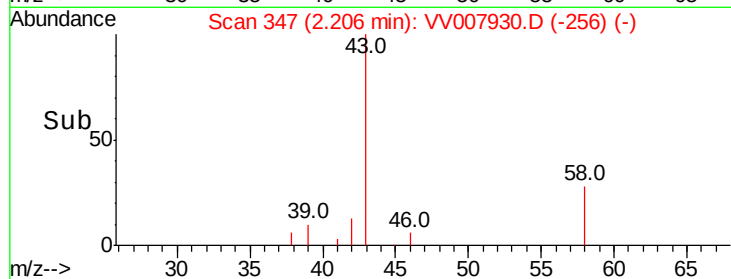
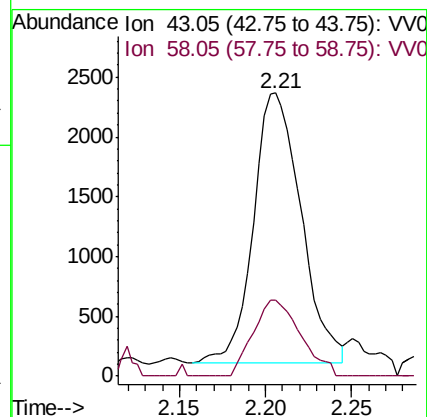
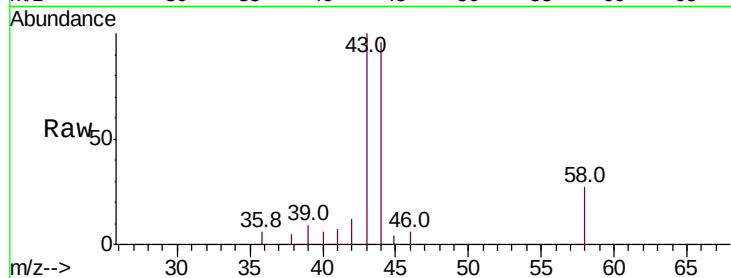
ClientSampled :

Tot Ion: 43 Resp: 4353

Ion Ratio Lower Upper

43 100

58 28.0 0.0 62.0



#21

2-Butanone

Concen: 86.948 ug/L

RT: 4.14 min Scan# 950

Delta R.T. 0.09 min

Lab File: VV007930.D

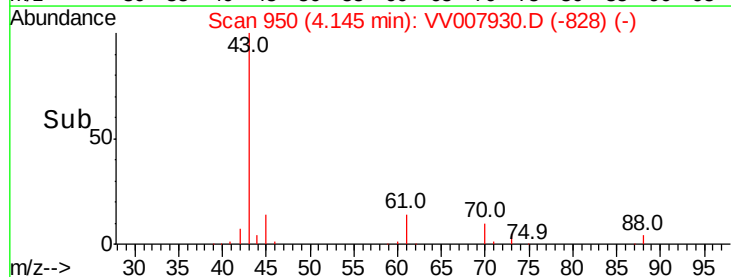
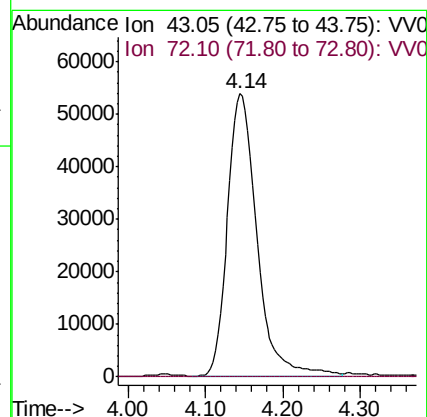
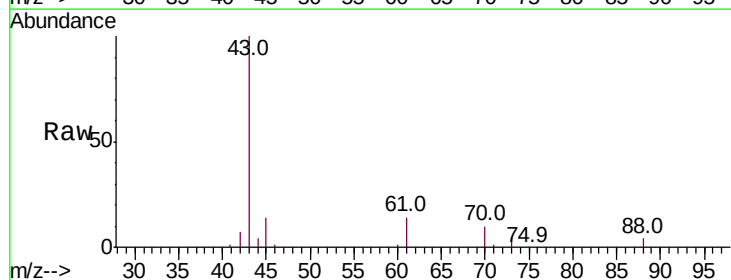
Acq: 28 Sep 2018 01:45

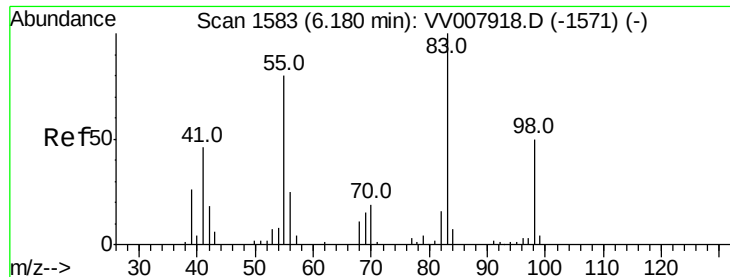
Tgt Ion: 43 Resp: 141513

Ion Ratio Lower Upper

43 100

72 0.0 12.5 37.5#

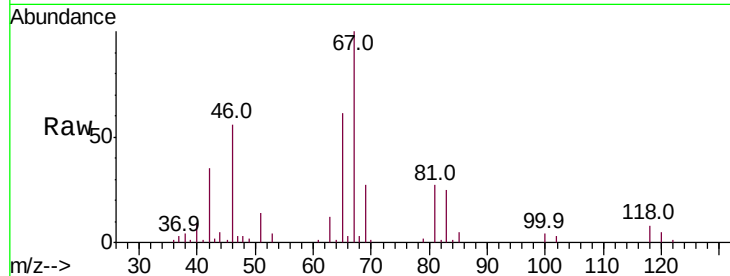




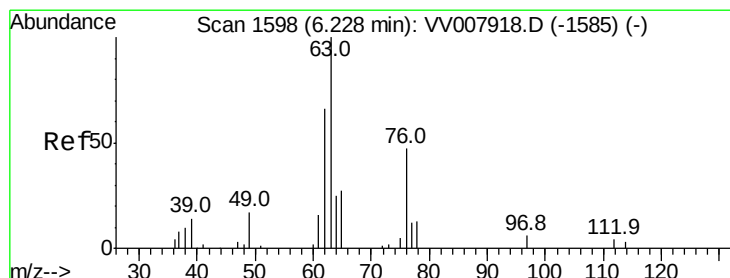
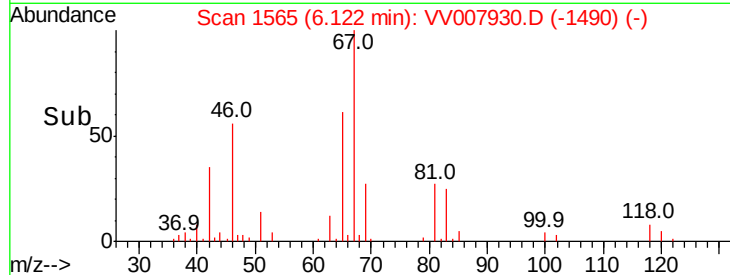
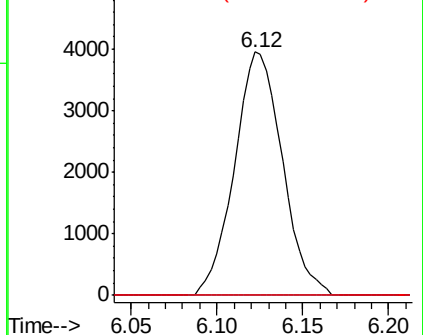
#35  
Methylvlcyclohexane  
Concen: 0.767 ug/L  
RT: 6.12 min Scan# 1565  
Delta R.T. -0.06 min  
Lab File: VV007930.D  
Acq: 28 Sep 2018 01:45

Instrument :  
MSVOA\_V  
ClientSampleId :

Tot Ion: 83 Resp: 7662  
Ion Ratio Lower Upper  
83 100  
55 0.0 62.2 93.2#  
98 0.9 38.0 57.0#

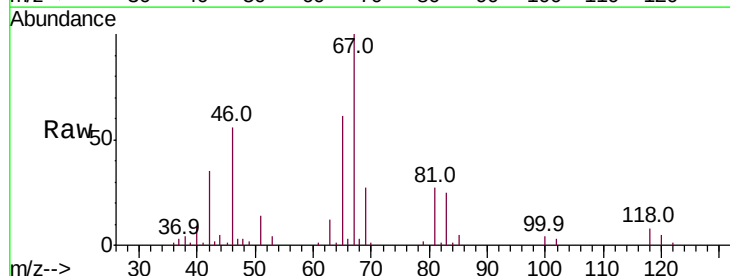


Abundance Ion 83.15 (82.85 to 83.85): VV0  
Ion 55.10 (54.80 to 55.80): VV0  
Ion 98.15 (97.85 to 98.85): VV0

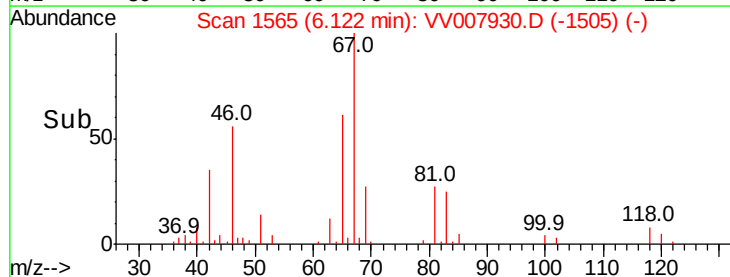
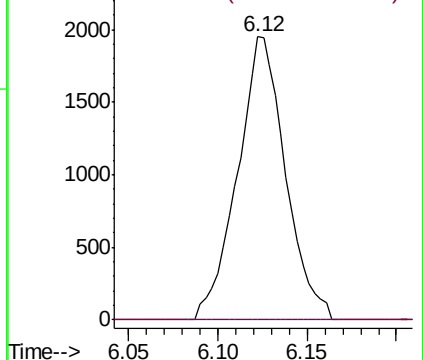


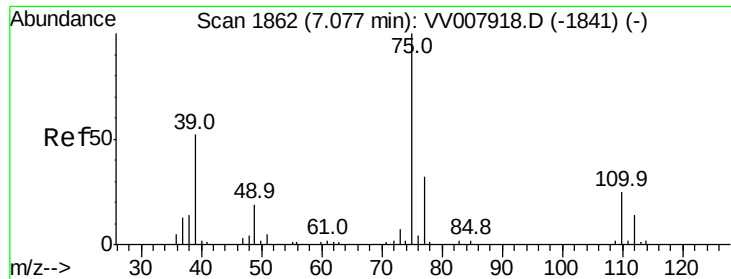
#37  
1,2-Dichloropropane  
Concen: 0.615 ug/L  
RT: 6.12 min Scan# 1565  
Delta R.T. -0.11 min  
Lab File: VV007930.D  
Acq: 28 Sep 2018 01:45

Tgt Ion: 63 Resp: 3651  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.4 5.0#



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





#39

cis-1,3-Dichloropropene

Concen: 0.108 ug/L

RT: 7.03 min Scan# 1848

Delta R.T. -0.05 min

Lab File: VV007930.D

Acq: 28 Sep 2018 01:45

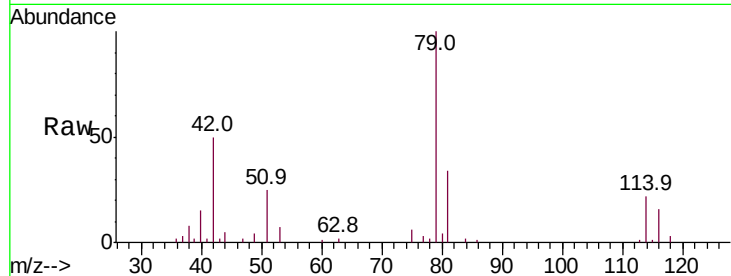
Instrument :  
MSVOA\_V  
ClientSampled :

Tot Ion: 75 Resp: 862

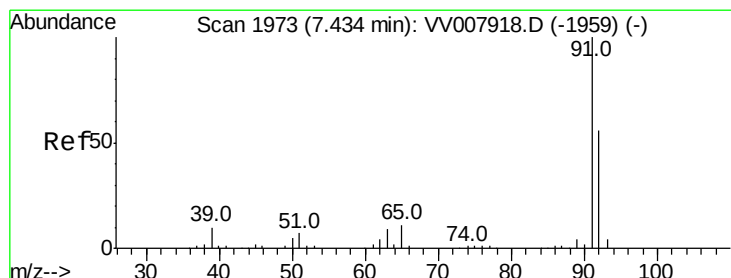
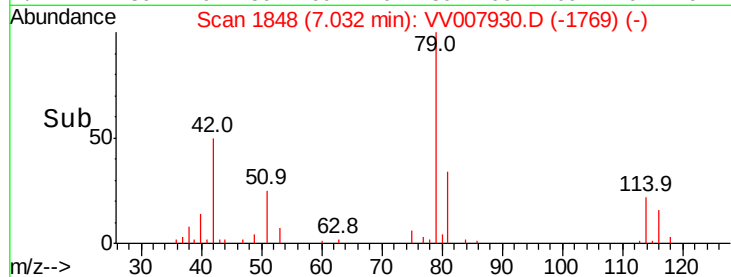
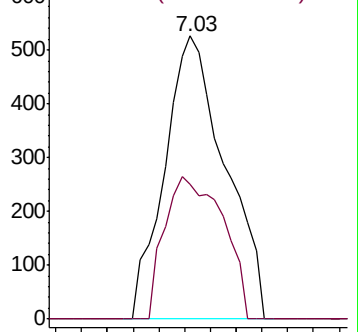
Ion Ratio Lower Upper

75 100

77 47.5 22.9 42.5#



Abundance Ion 75.05 (74.75 to 75.75): VV007918.D (-1841) (-)



#42

Toluene

Concen: 0.095 ug/L

RT: 7.44 min Scan# 1975

Delta R.T. 0.01 min

Lab File: VV007930.D

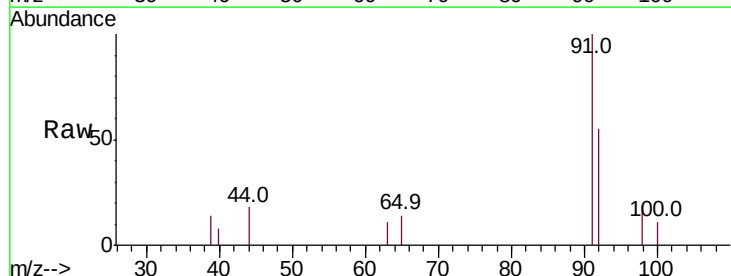
Acq: 28 Sep 2018 01:45

Tgt Ion: 91 Resp: 2414

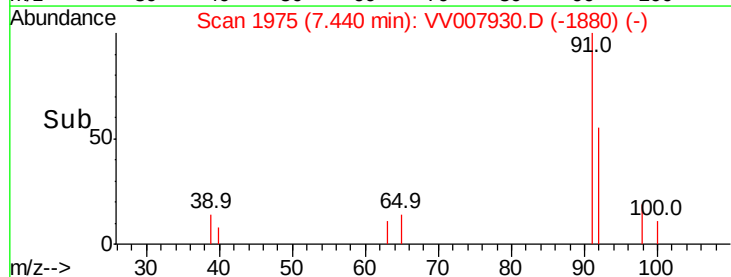
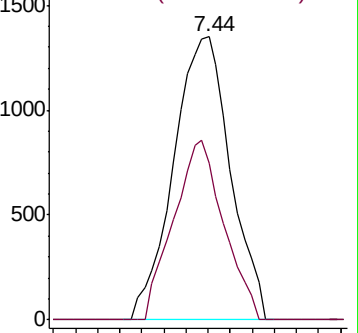
Ion Ratio Lower Upper

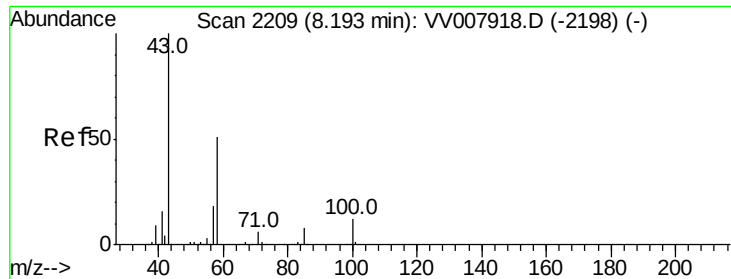
91 100

92 55.3 40.8 75.8



Abundance Ion 91.15 (90.85 to 91.85): VV007918.D (-1959) (-)





#48  
 2-Hexanone  
 Concen: 2.590 ug/L  
 RT: 8.14 min Scan# 2193  
 Delta R.T. -0.05 min  
 Lab File: VV007930.D  
 Acq: 28 Sep 2018 01:45

Instrument :  
 MSVOA\_V  
 ClientSampleId :

Tot Ion: 43 Resp: 6717  
 Ion Ratio Lower Upper  
 43 100  
 58 45.5 41.9 62.9  
 57 30.3 14.3 21.5#  
 100 0.0 9.2 13.8#

