

Data Path : Z:\VOASRV\HPCHEM1\MSVOA\_V\DATA\VV071018\  
 Data File : VV006568.D  
 Acq On : 10 Jul 2018 14:57  
 Operator : SY/MD  
 Sample : J3919-09  
 Misc : 25 mL/MSVOA\_V/WATER  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 C0AJ4

Quant Time: Jul 11 03:34:29 2018  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR070718WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Wed Jul 11 03:34:14 2018  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.67  | 114  | 322242   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.90  | 117  | 292004   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.30 | 152  | 128468   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.32   | 65    | 71617    | 4.09     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 81.80%  |
| 7) Chloroethane-d5             | 1.58   | 69    | 57991    | 3.79     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 75.80%  |
| 11) 1,1-Dichloroethene-d2      | 2.13   | 63    | 95513    | 2.93     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 58.60%# |
| 20) 2-Butanone-d5              | 3.96   | 46    | 202594   | 45.53    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 91.06%  |
| 24) Chloroform-d               | 4.41   | 84    | 146551   | 4.25     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 85.00%  |
| 26) 1,2-Dichloroethane-d4      | 5.09   | 65    | 72495    | 4.53     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 90.60%  |
| 32) Benzene-d6                 | 5.10   | 84    | 300000   | 4.50     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 90.00%  |
| 36) 1,2-Dichloropropane-d6     | 6.12   | 67    | 97949    | 4.53     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 90.60%  |
| 41) Toluene-d8                 | 7.36   | 98    | 257066   | 4.32     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 86.40%  |
| 43) trans-1,3-Dichloropropene- | 7.67   | 79    | 31143    | 4.25     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 85.00%  |
| 46) 2-Hexanone-d5              | 8.14   | 63    | 175503   | 47.43    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 94.86%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.27  | 84    | 73878    | 4.35     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 87.00%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.68  | 152   | 106024   | 4.80     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 96.00%  |

## Target Compounds

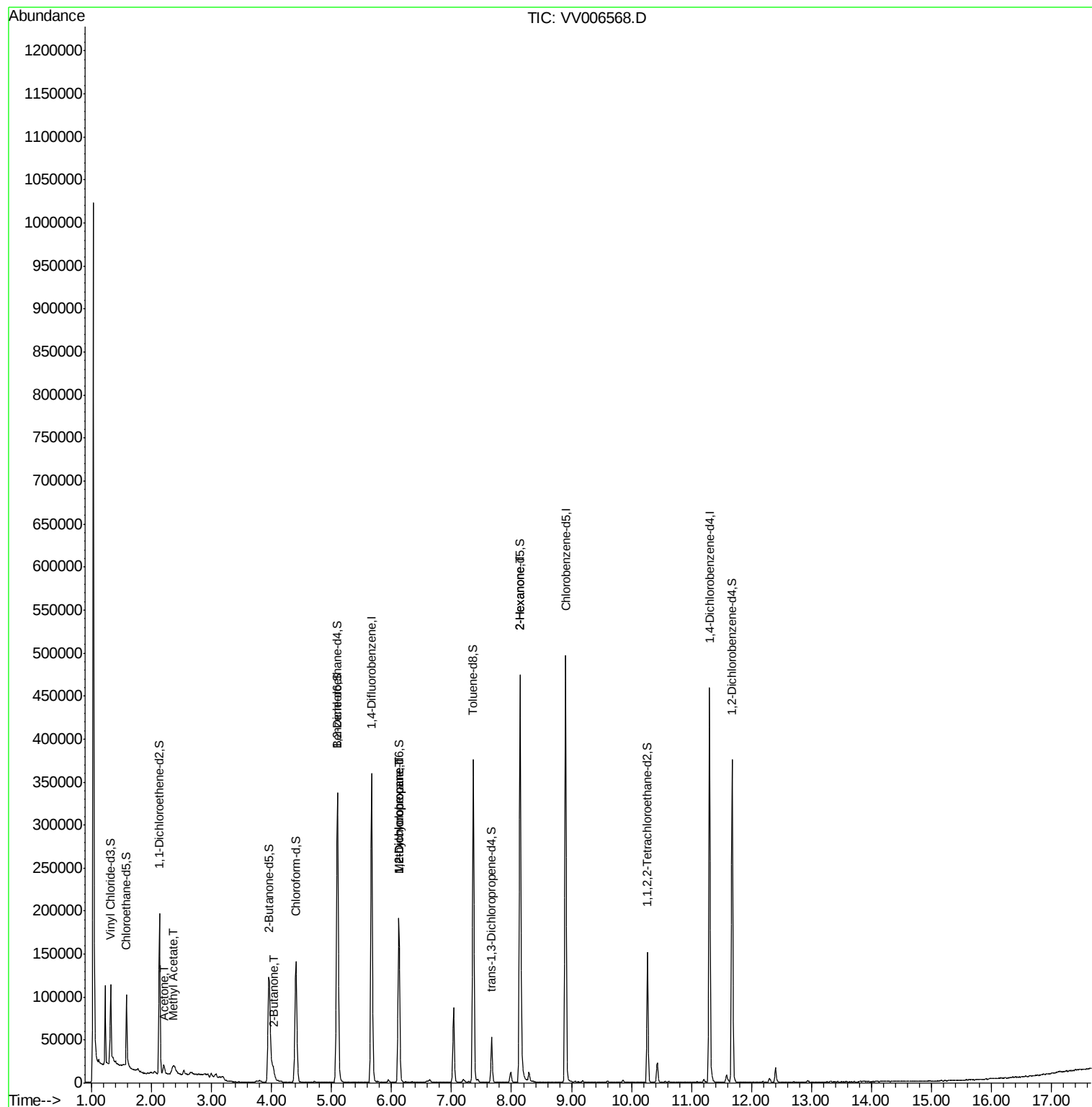
|                         |      |    |       |              | Qvalue |
|-------------------------|------|----|-------|--------------|--------|
| 13) Acetone             | 2.21 | 43 | 11533 | 4.098 ug/L   | 99     |
| 15) Methyl Acetate      | 2.37 | 43 | 5231  | 0.631 ug/L # | 50     |
| 21) 2-Butanone          | 4.05 | 43 | 1561  | 0.338 ug/L   | 85     |
| 35) Methylcyclohexane   | 6.12 | 83 | 23527 | 0.654 ug/L # | 20     |
| 37) 1,2-Dichloropropane | 6.12 | 63 | 9378  | 0.440 ug/L # | 86     |
| 48) 2-Hexanone          | 8.14 | 43 | 19734 | 2.576 ug/L # | 82     |

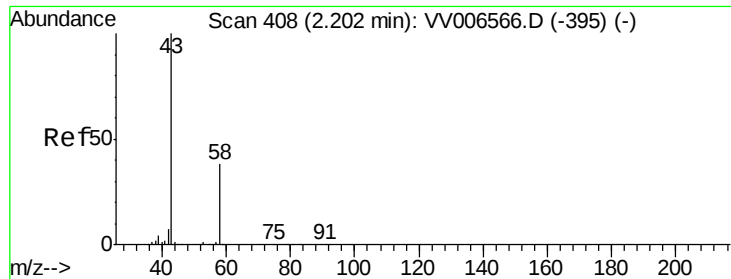
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA\_V\DATA\VV071018\  
Data File : VV006568.D  
Acq On : 10 Jul 2018 14:57  
Operator : SY/MD  
Sample : J3919-09  
Misc : 25 mL/MSVOA\_V/WATER  
ALS Vial : 4 Sample Multiplier: 1

Instrument :  
MSVOA\_V  
ClientSampleId :  
C0AJ4

Quant Time: Jul 11 03:34:29 2018  
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVTR070718WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Wed Jul 11 03:34:14 2018  
Response via : Initial Calibration

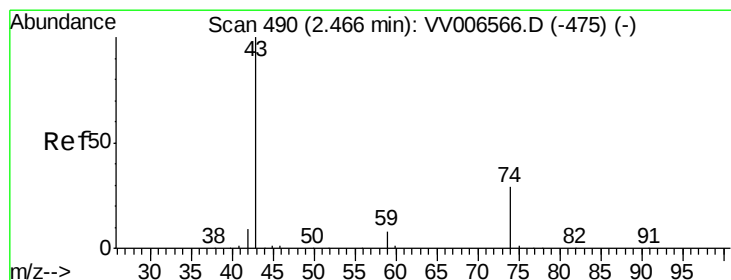
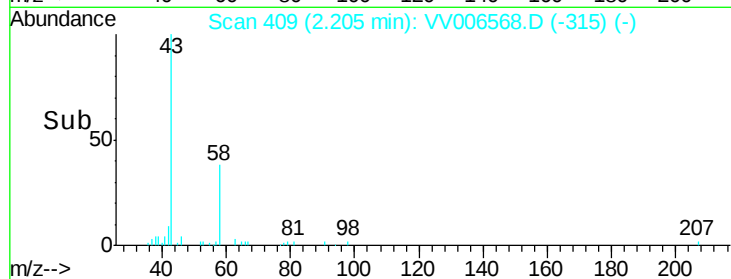
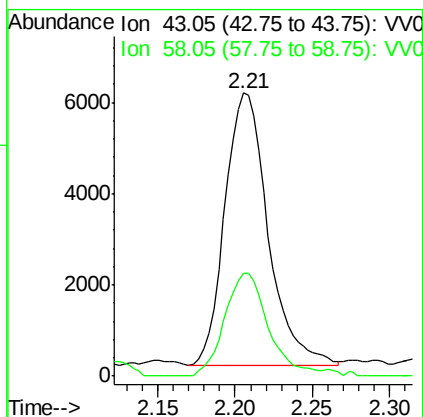
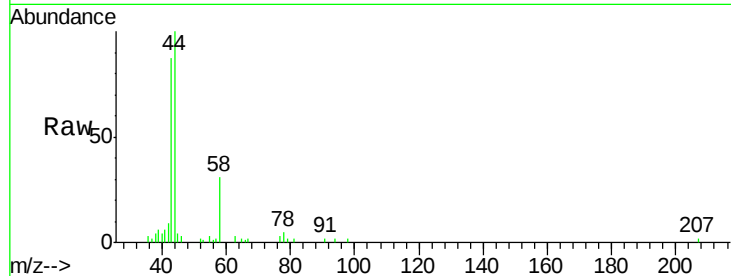




#13  
Acetone  
Concen: 4.098 ug/L  
RT: 2.21 min Scan# 409  
Delta R.T. 0.00 min  
Lab File: VV006568.D  
Acq: 10 Jul 2018 14:57

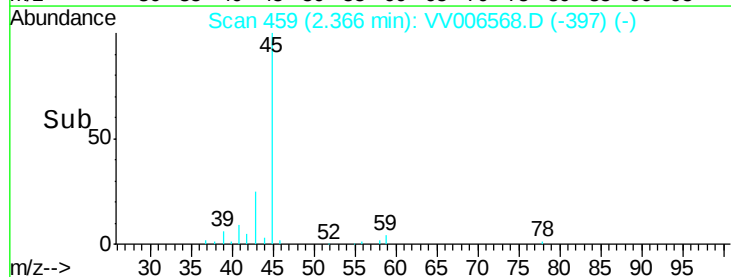
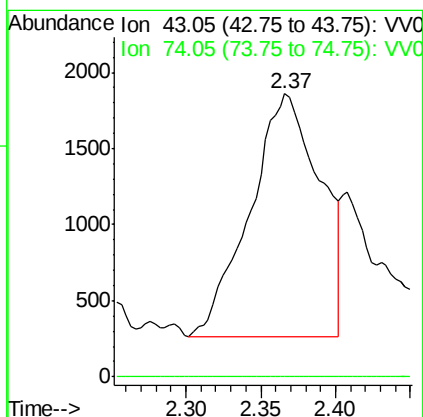
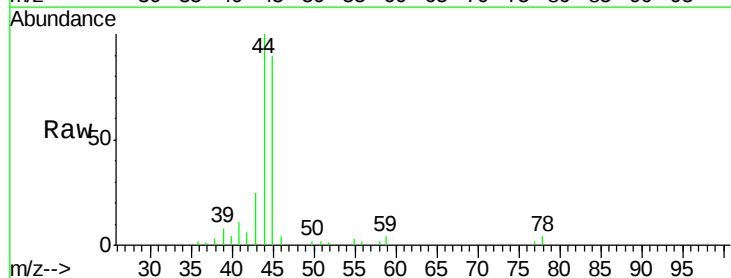
Instrument :  
MSVOA\_V  
ClientSampleId :  
C0AJ4

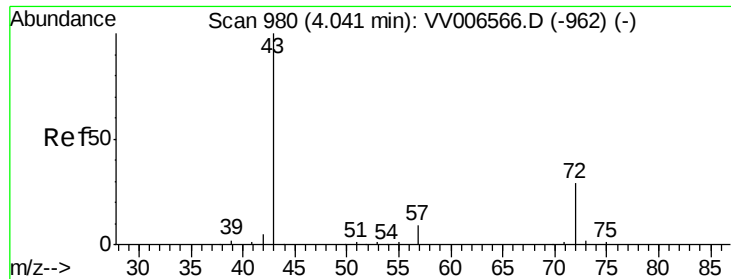
Tgt Ion: 43 Resp: 11533  
Ion Ratio Lower Upper  
43 100  
58 38.5 0.0 76.2



#15  
Methyl Acetate  
Concen: 0.631 ug/L  
RT: 2.37 min Scan# 459  
Delta R.T. -0.10 min  
Lab File: VV006568.D  
Acq: 10 Jul 2018 14:57

Tgt Ion: 43 Resp: 5231  
Ion Ratio Lower Upper  
43 100  
74 1.3 21.8 32.6#





#21

2-Butanone

Concen: 0.338 ug/L

RT: 4.05 min Scan# 983

Delta R.T. 0.01 min

Lab File: VV006568.D

Acq: 10 Jul 2018 14:57

Instrument :

MSVOA\_V

ClientSampleId :

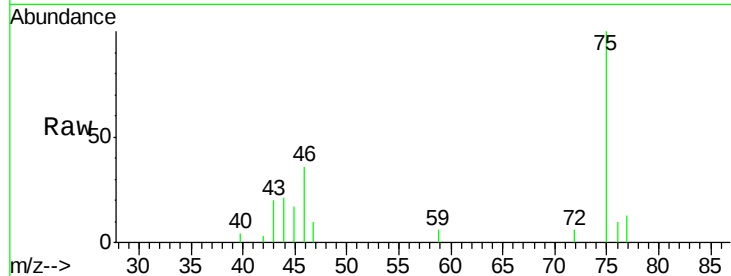
C0AJ4

Tgt Ion: 43 Resp: 1561

Ion Ratio Lower Upper

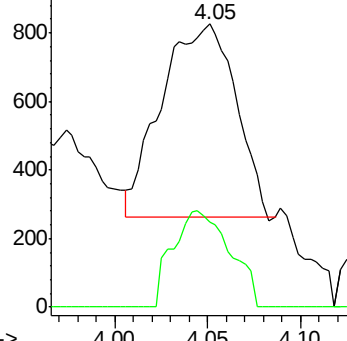
43 100

72 38.6 15.1 45.3

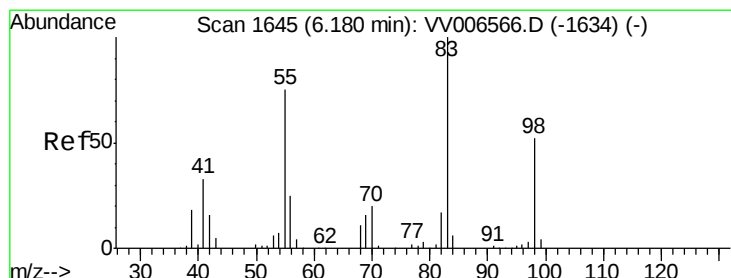
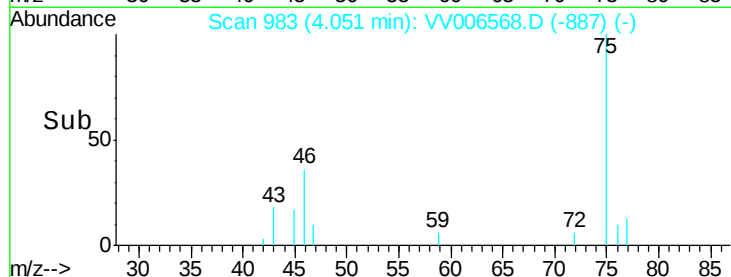


Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 72.10 (71.80 to 72.80): VV0



Time-->



#35

Methylcyclohexane

Concen: 0.654 ug/L

RT: 6.12 min Scan# 1627

Delta R.T. -0.06 min

Lab File: VV006568.D

Acq: 10 Jul 2018 14:57

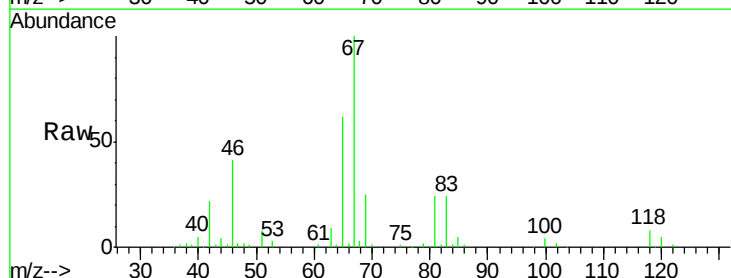
Tgt Ion: 83 Resp: 23527

Ion Ratio Lower Upper

83 100

55 0.3 58.3 87.5#

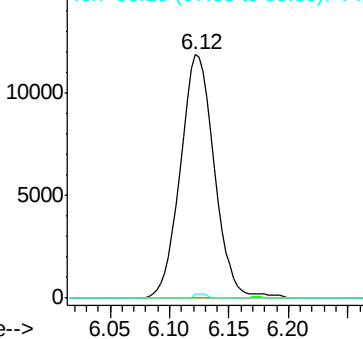
98 0.7 39.3 58.9#



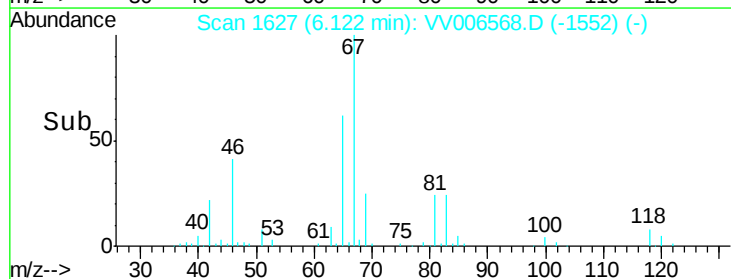
Abundance Ion 83.15 (82.85 to 83.85): VV0

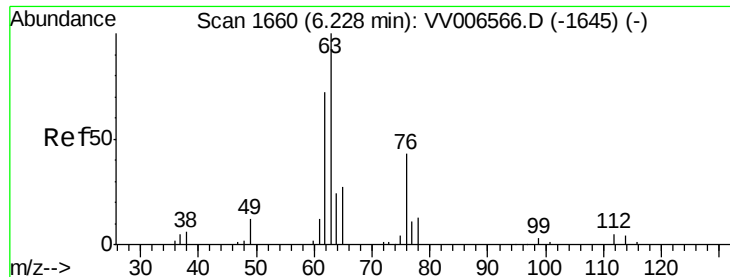
Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0



Time-->

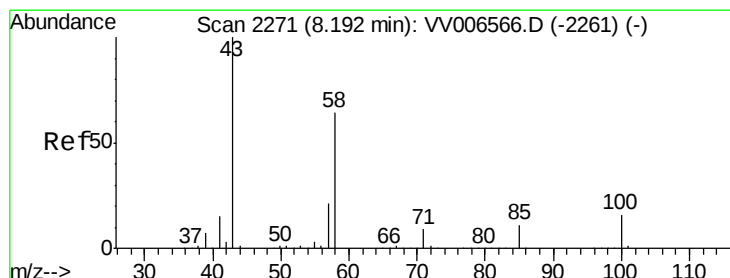
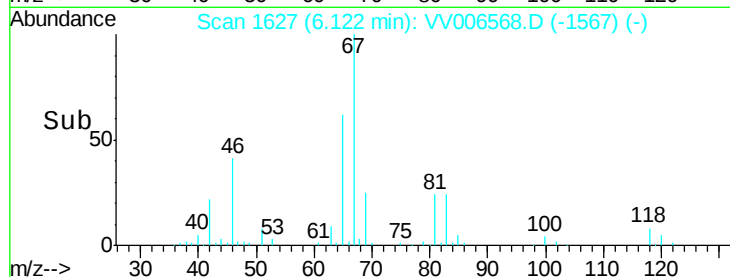
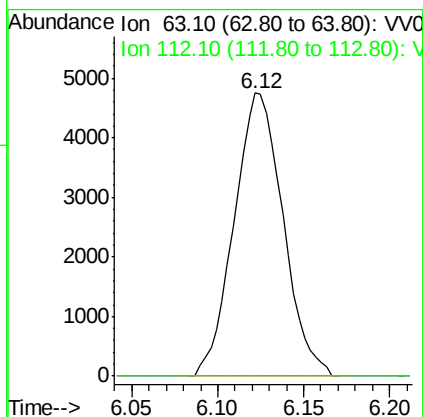
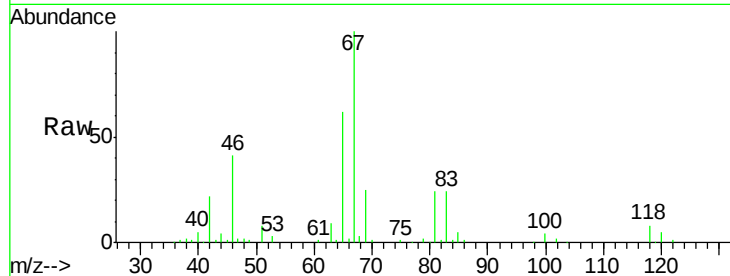




#37  
 1,2-Dichloropropane  
 Concen: 0.440 ug/L  
 RT: 6.12 min Scan# 1627  
 Delta R.T. -0.11 min  
 Lab File: VV006568.D  
 Acq: 10 Jul 2018 14:57

Instrument :  
 MSVOA\_V  
 ClientSampled :  
 C0AJ4

Tgt Ion: 63 Resp: 9378  
 Ion Ratio Lower Upper  
 63 100  
 112 0.0 3.8 5.6#



#48  
 2-Hexanone  
 Concen: 2.576 ug/L  
 RT: 8.14 min Scan# 2255  
 Delta R.T. -0.05 min  
 Lab File: VV006568.D  
 Acq: 10 Jul 2018 14:57

Tgt Ion: 43 Resp: 19734  
 Ion Ratio Lower Upper  
 43 100  
 58 54.1 50.3 75.5  
 57 33.5 17.0 25.4#  
 100 1.7 12.3 18.5#

