

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV081720\  
 Data File : VV018034.D  
 Acq On : 17 Aug 2020 18:44  
 Operator : SY/MD  
 Sample : L3703-05  
 Misc : 5.0mL/MSVOA V/WATER  
 ALS Vial : 24 Sample Multiplier: 1

Instrument :  
 MSVOA\_V  
 ClientSampleId :  
 F4M31

Quant Time: Aug 18 01:28:42 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM081120WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Tue Aug 18 01:23:44 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.64  | 114  | 260185   | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 8.87  | 117  | 255966   | 50.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.27 | 152  | 123279   | 50.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |         |       |          |          |      |        |
|--------------------------------|---------|-------|----------|----------|------|--------|
| 4) Vinyl Chloride-d3           | 1.31    | 65    | 83230    | 41.93    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 83.86% |
| 7) Chloroethane-d5             | 1.58    | 69    | 72704    | 44.76    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 89.52% |
| 11) 1,1-Dichloroethene-d2      | 2.12    | 63    | 125081   | 32.94    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 65.88% |
| 21) 2-Butanone-d5              | 3.90    | 46    | 118685   | 91.28    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 91.28% |
| 24) Chloroform-d               | 4.37    | 84    | 156494   | 43.31    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 86.62% |
| 26) 1,2-Dichloroethane-d4      | 5.06    | 65    | 109282   | 46.56    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 93.12% |
| 32) Benzene-d6                 | 5.07    | 84    | 316093   | 44.81    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 89.62% |
| 36) 1,2-Dichloropropane-d6     | 6.09    | 67    | 103906   | 45.05    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 90.10% |
| 41) Toluene-d8                 | 7.34    | 98    | 274731   | 43.31    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 86.62% |
| 43) trans-1,3-Dichloropropene- | 7.64    | 79    | 46582    | 44.53    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 89.06% |
| 47) 2-Hexanone-d5              | 8.11    | 63    | 56174    | 75.90    | ug/L | 0.00   |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 75.90% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.24   | 84    | 121473   | 40.45    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 80.90% |
| 64) 1,2-Dichlorobenzene-d4     | 11.65   | 152   | 117708   | 48.51    | ug/L | 0.00   |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 97.02% |

## Target Compounds

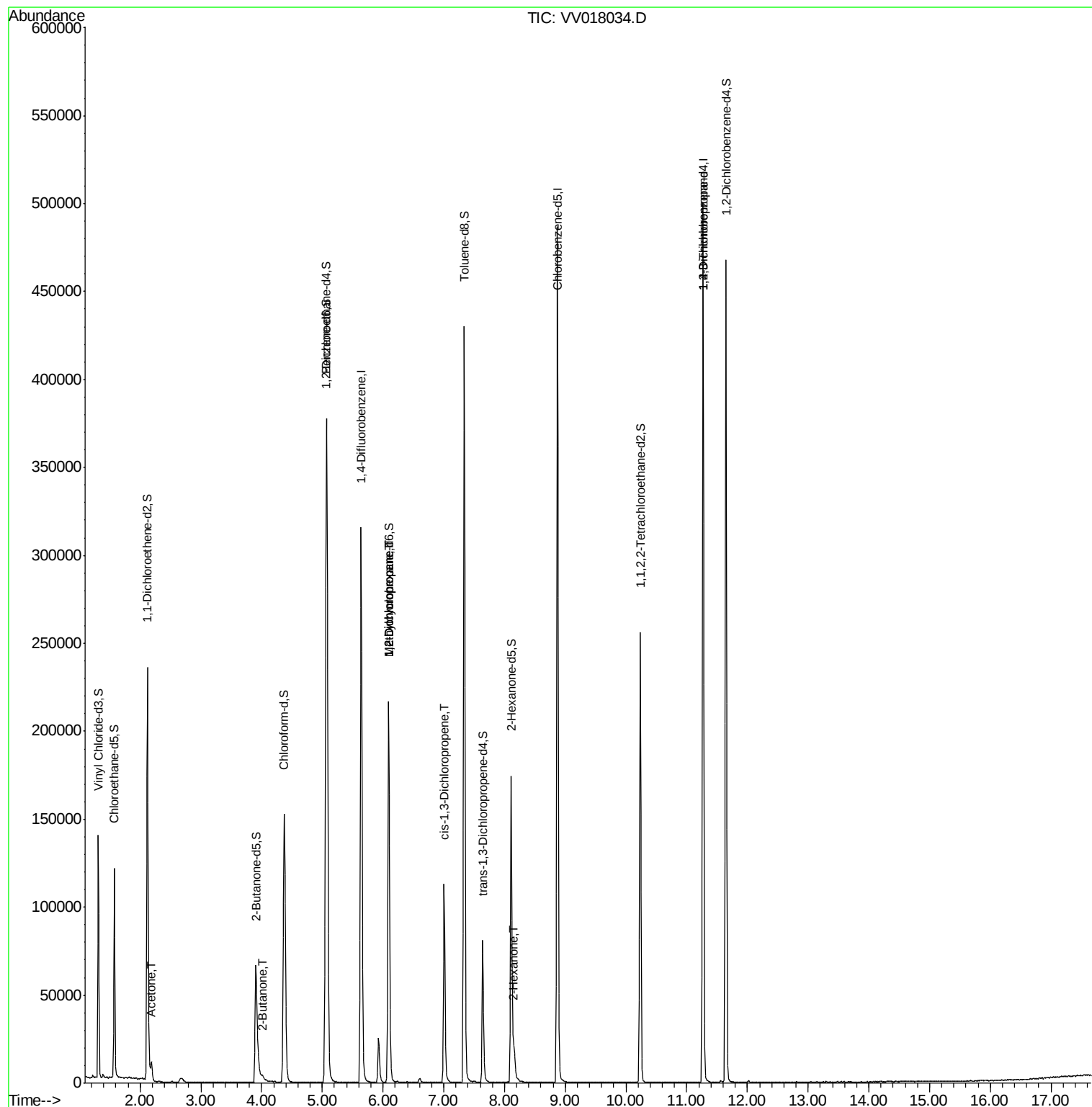
|                             |       |    |       |       | Ovalue    |
|-----------------------------|-------|----|-------|-------|-----------|
| 13) Acetone                 | 2.18  | 43 | 12103 | 9.012 | ug/L 96   |
| 22) 2-Butanone              | 4.01  | 43 | 2506  | 1.663 | ug/L 78   |
| 35) Methylcyclohexane       | 6.09  | 83 | 24712 | 7.939 | ug/L # 17 |
| 37) 1,2-Dichloropropane     | 6.09  | 63 | 11657 | 5.398 | ug/L # 87 |
| 39) cis-1,3-Dichloropropene | 7.01  | 75 | 2717  | 0.887 | ug/L # 71 |
| 48) 2-Hexanone              | 8.16  | 43 | 10310 | 4.529 | ug/L # 89 |
| 59) 1,2,3-Trichloropropane  | 11.27 | 75 | 14958 | 5.608 | ug/L 92   |

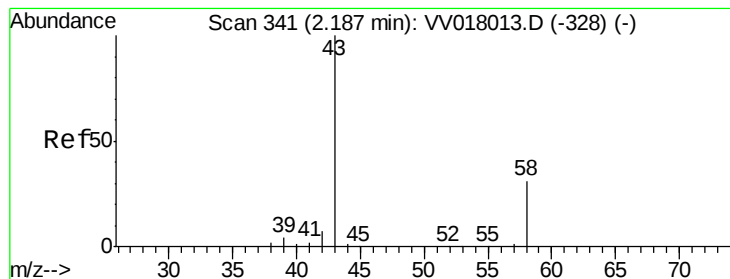
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_V\METHOD\SOMVLM081120WMA.M  
Quant Title : VOC Analysis  
QLast Update : Tue Aug 18 01:23:44 2020  
Response via : Initial Calibration





#13

Acetone

Concen: 9.012 ug/L

RT: 2.18 min Scan# 340

Delta R.T. -0.00 min

Lab File: VV018034.D

Acq: 17 Aug 2020 18:44

Instrument :

MSVOA\_V

ClientSampled :

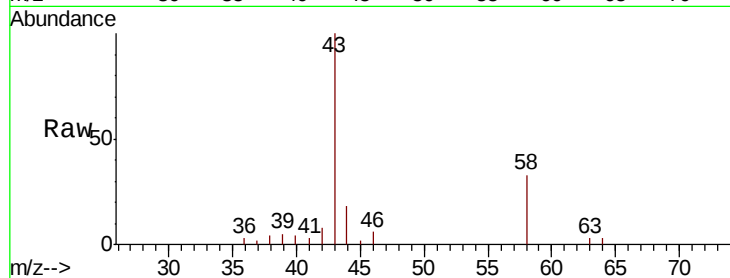
F4M31

Tot Ion: 43 Resp: 12103

Ion Ratio Lower Upper

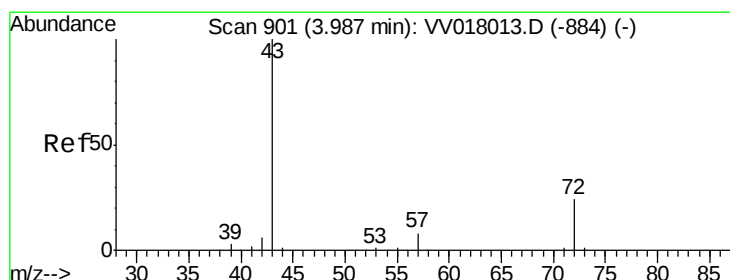
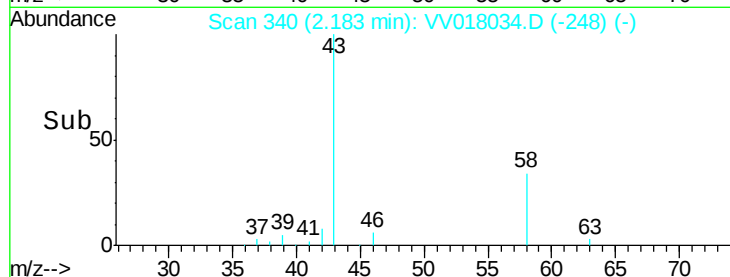
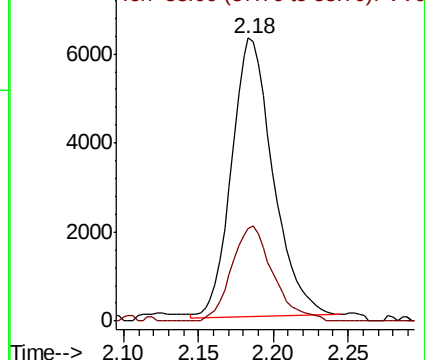
43 100

58 34.0 0.0 63.6



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 58.00 (57.70 to 58.70): VV0



#22

2-Butanone

Concen: 1.663 ug/L

RT: 4.01 min Scan# 909

Delta R.T. 0.03 min

Lab File: VV018034.D

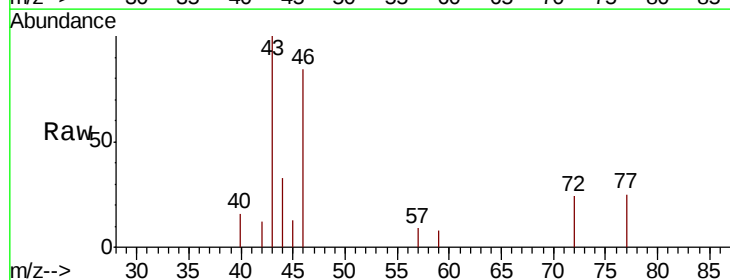
Acq: 17 Aug 2020 18:44

Tgt Ion: 43 Resp: 2506

Ion Ratio Lower Upper

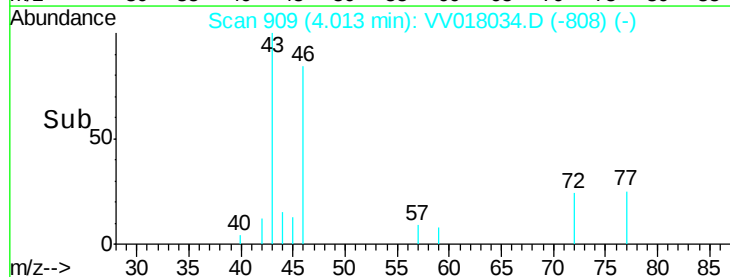
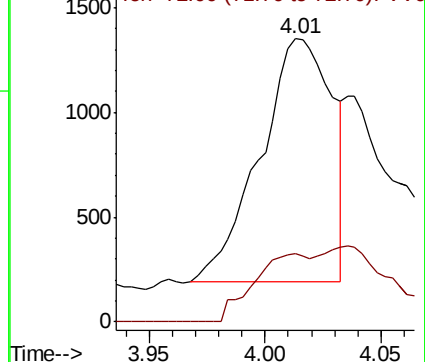
43 100

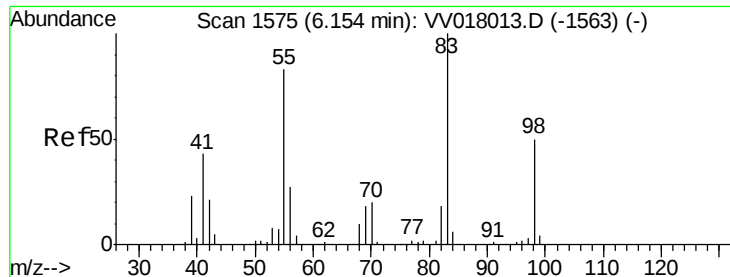
72 14.2 12.7 38.0



Abundance Ion 43.00 (42.70 to 43.70): VV0

Ion 72.00 (71.70 to 72.70): VV0

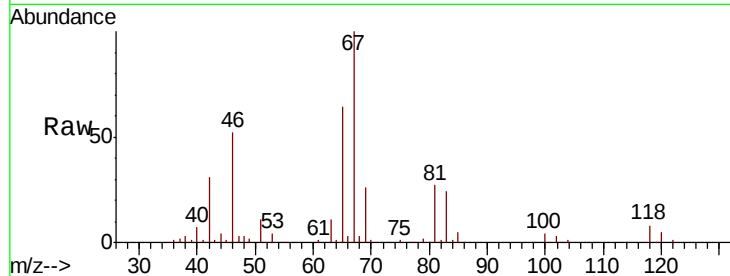




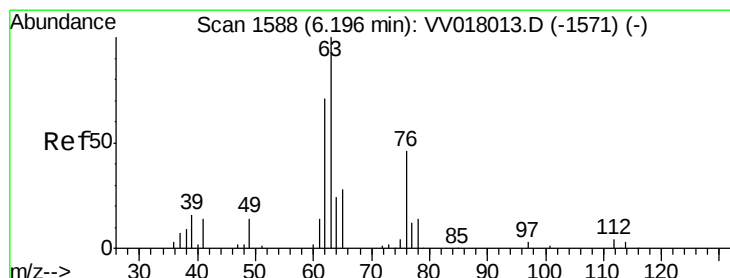
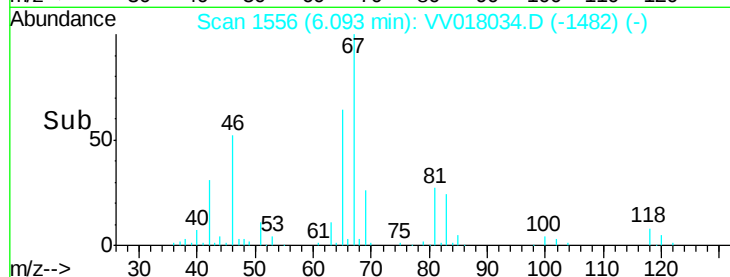
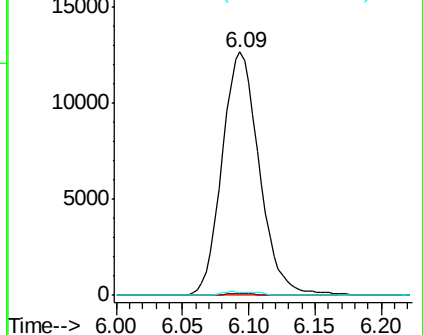
#35  
Methvlcvclohexane  
Concen: 7.939 ug/L  
RT: 6.09 min Scan# 1556  
Delta R.T. -0.06 min  
Lab File: VV018034.D  
Acq: 17 Aug 2020 18:44

Instrument :  
MSVOA\_V  
ClientSampled :  
F4M31

Tot Ion: 83 Resp: 24712  
Ion Ratio Lower Upper  
83 100  
55 0.2 64.9 97.3#  
98 0.9 38.7 58.1#

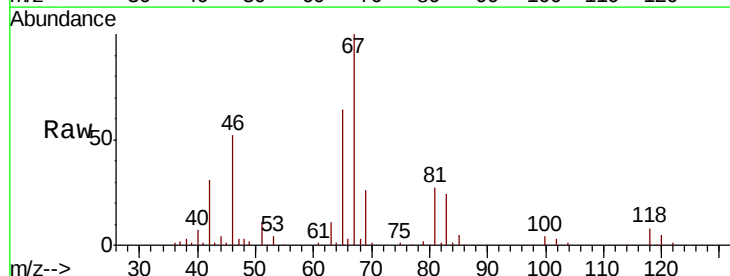


Abundance Ion 83.00 (82.70 to 83.70): VV0  
Ion 55.00 (54.70 to 55.70): VV0  
Ion 98.00 (97.70 to 98.70): VV0

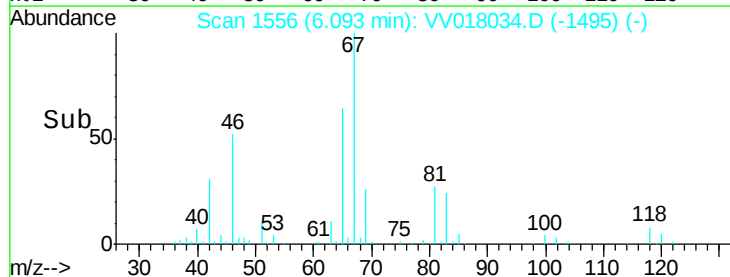
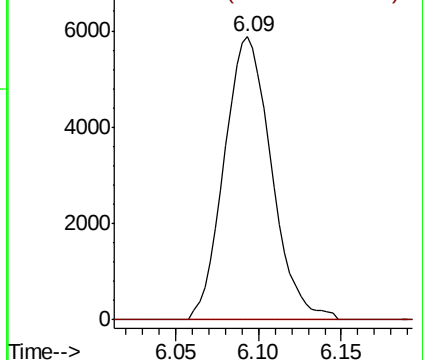


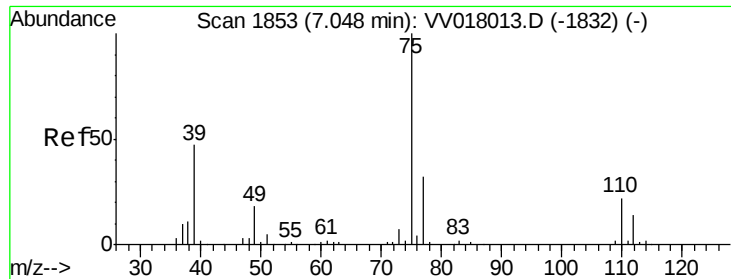
#37  
1,2-Dichloropropane  
Concen: 5.398 ug/L  
RT: 6.09 min Scan# 1556  
Delta R.T. -0.10 min  
Lab File: VV018034.D  
Acq: 17 Aug 2020 18:44

Tgt Ion: 63 Resp: 11657  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.5 5.3#



Abundance Ion 63.00 (62.70 to 63.70): VV0  
Ion 112.00 (111.70 to 112.70): V

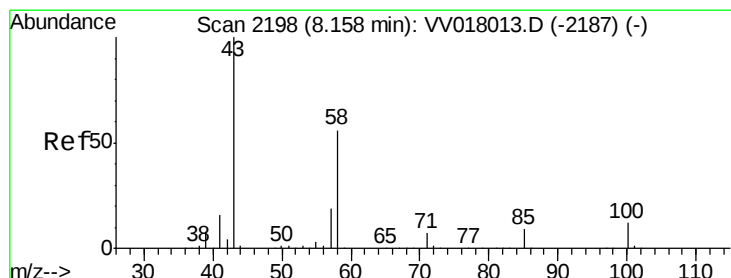
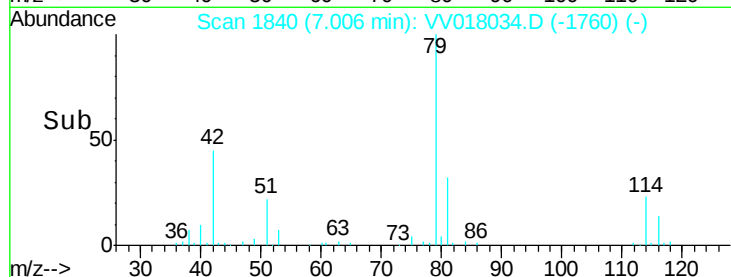
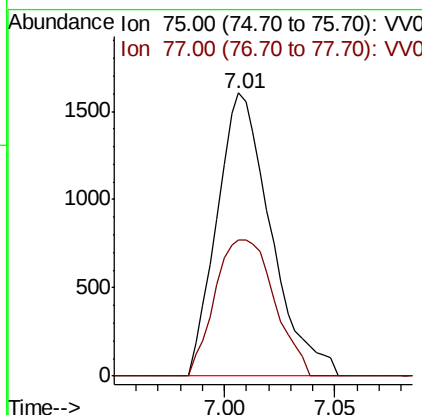
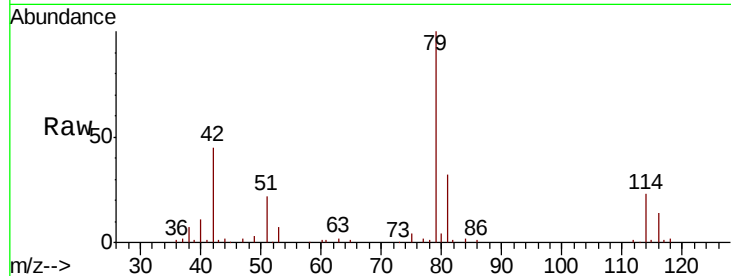




#39  
 cis-1,3-Dichloropropene  
 Concen: 0.887 ug/L  
 RT: 7.01 min Scan# 1840  
 Delta R.T. -0.04 min  
 Lab File: VV018034.D  
 Acq: 17 Aug 2020 18:44

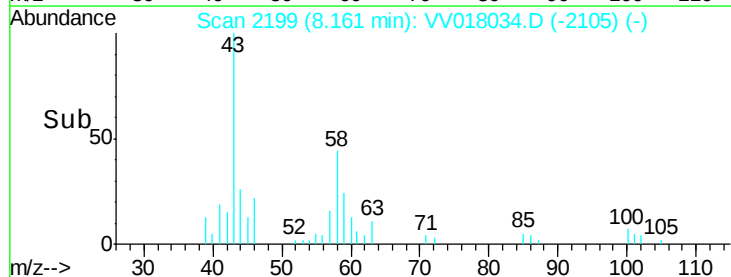
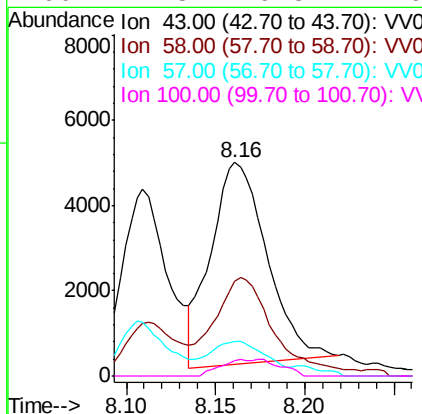
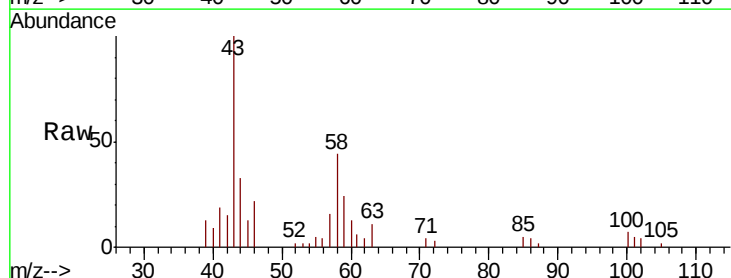
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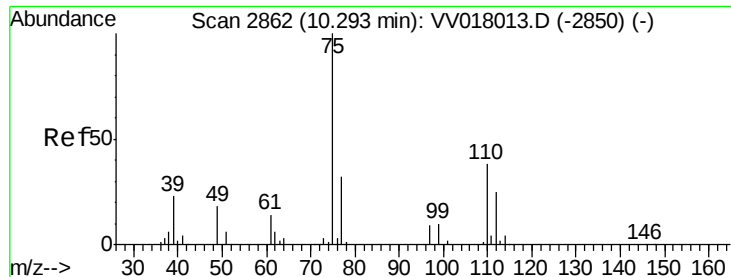
Tot Ion: 75 Resp: 2717  
 Ion Ratio Lower Upper  
 75 100  
 77 48.0 22.3 41.5#



#48  
 2-Hexanone  
 Concen: 4.529 ug/L  
 RT: 8.16 min Scan# 2199  
 Delta R.T. 0.00 min  
 Lab File: VV018034.D  
 Acq: 17 Aug 2020 18:44

Tgt Ion: 43 Resp: 10310  
 Ion Ratio Lower Upper  
 43 100  
 58 48.2 44.4 66.6  
 57 14.6 15.2 22.8#  
 100 4.8 9.8 14.6#





#59

1,2,3-Trichloropropane

Concen: 5.608 ug/L

RT: 11.27 min Scan# 3166

Delta R.T. 0.98 min

Lab File: VV018034.D

Acq: 17 Aug 2020 18:44

Instrument :

MSVOA\_V

ClientSampleId :

F4M31

Tot Ion: 75 Resp: 14958

Ion Ratio Lower Upper

75 100

77 36.5 25.7 38.5

