

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\U100719\  
 Data File : VU034963.D  
 Acq On : 07 Oct 2019 16:35  
 Operator : JC/SP  
 Sample : K5219-04  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 19 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 MW-12D-001-01

Quant Time: Oct 09 04:45:43 2019  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR100719WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Wed Oct 09 03:56:49 2019  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 5.86  | 114  | 182130   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.07  | 117  | 182238   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.47 | 152  | 75390    | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.40   | 65    | 47022    | 4.37     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 87.40%  |
| 7) Chloroethane-d5             | 1.68   | 69    | 45117    | 4.49     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 89.80%  |
| 11) 1,1-Dichloroethene-d2      | 2.26   | 63    | 71667    | 3.16     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 63.20%  |
| 20) 2-Butanone-d5              | 4.17   | 46    | 142962   | 45.09    | ug/L | -0.02   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 90.18%  |
| 24) Chloroform-d               | 4.62   | 84    | 90629    | 4.50     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 90.00%  |
| 26) 1,2-Dichloroethane-d4      | 5.29   | 65    | 55889    | 4.64     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 92.80%  |
| 32) Benzene-d6                 | 5.32   | 84    | 202736   | 4.74     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 94.80%  |
| 36) 1,2-Dichloropropane-d6     | 6.31   | 67    | 69967    | 4.90     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 98.00%  |
| 41) Toluene-d8                 | 7.55   | 98    | 184124   | 4.45     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 89.00%  |
| 43) trans-1,3-Dichloropropene- | 7.84   | 79    | 21441    | 4.17     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 83.40%  |
| 46) 2-Hexanone-d5              | 8.30   | 63    | 109870   | 44.93    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 89.86%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.41  | 84    | 55362    | 4.60     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 92.00%  |
| 64) 1,2-Dichlorobenzene-d4     | 11.84  | 152   | 65010    | 5.11     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 102.20% |

## Target Compounds

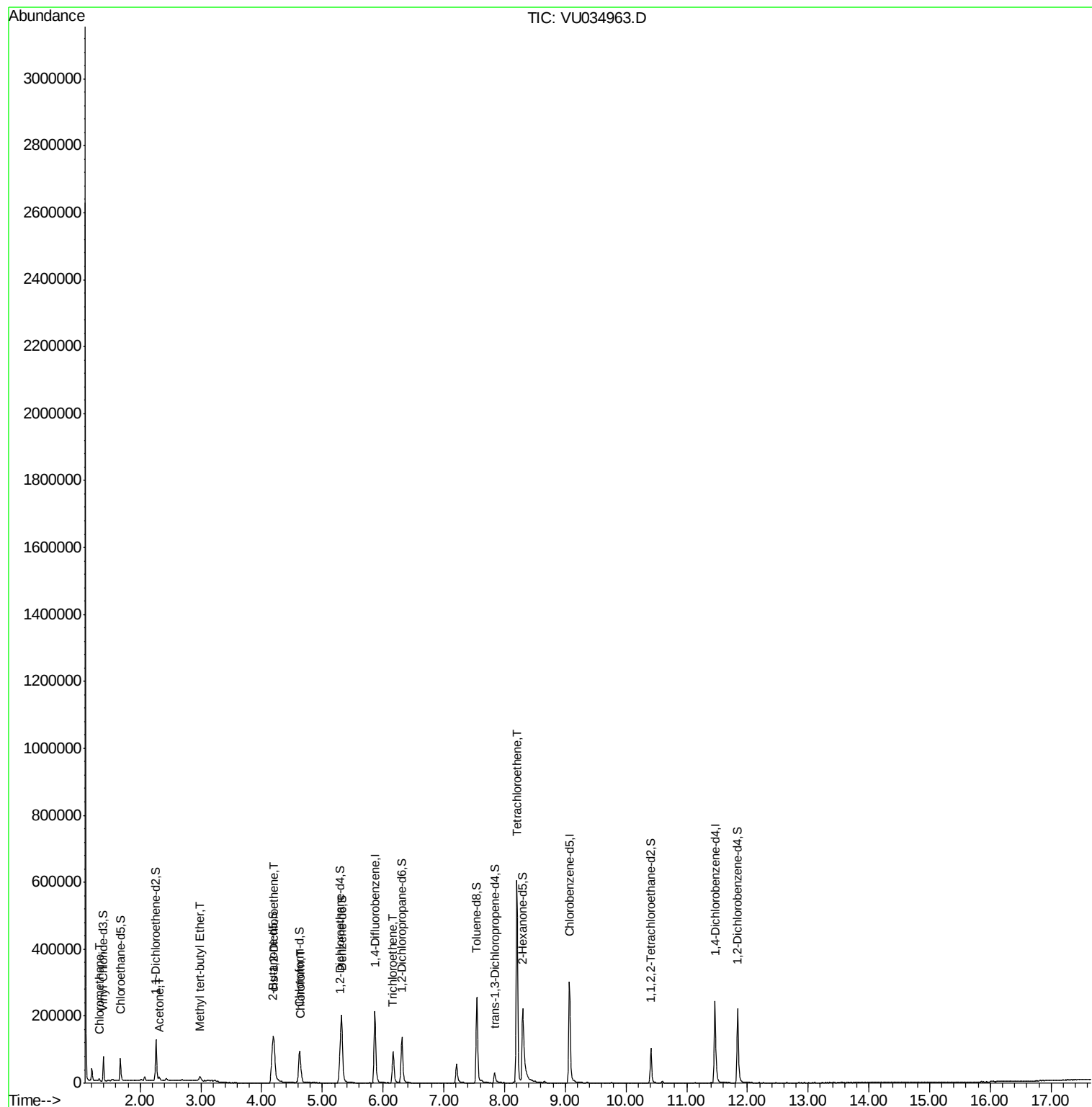
|                             |      |     |        |             | Ovalue |
|-----------------------------|------|-----|--------|-------------|--------|
| 3) Chloromethane            | 1.32 | 50  | 4415   | 0.242 ug/L  | 95     |
| 13) Acetone                 | 2.31 | 43  | 10785  | 4.153 ug/L  | 99     |
| 17) Methyl tert-butyl Ether | 2.99 | 73  | 10805  | 0.339 ug/L  | 98     |
| 22) cis-1,2-Dichloroethene  | 4.20 | 96  | 61519  | 4.403 ug/L  | 100    |
| 25) Chloroform              | 4.65 | 83  | 14959  | 0.535 ug/L  | 97     |
| 34) Trichloroethene         | 6.16 | 95  | 34859  | 2.462 ug/L  | 97     |
| 47) Tetrachloroethene       | 8.21 | 164 | 136361 | 11.899 ug/L | 98     |

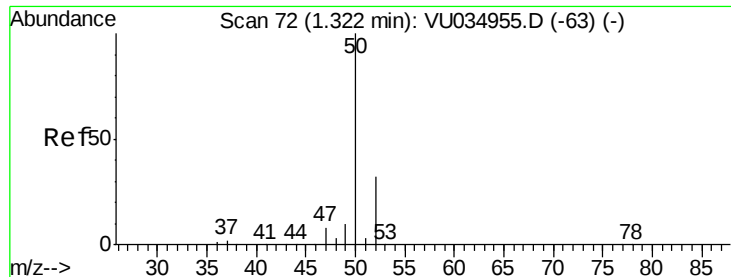
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Oct 09 03:56:49 2019  
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#3

Chloromethane

Concen: 0.242 ug/L

RT: 1.32 min Scan# 73

Delta R.T. 0.00 min

Lab File: VU034963.D

Acq: 07 Oct 2019 16:35

Instrument :

MSVOA\_U

ClientSampleId :

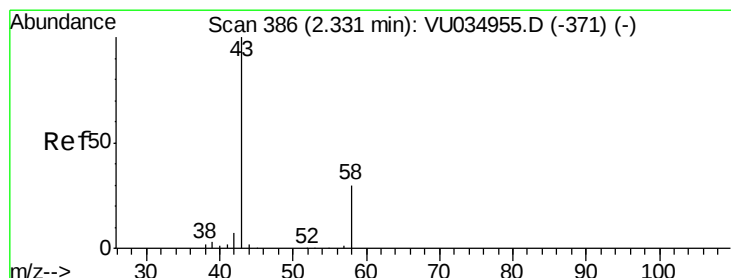
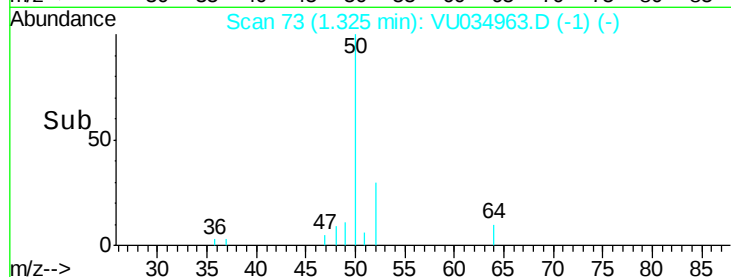
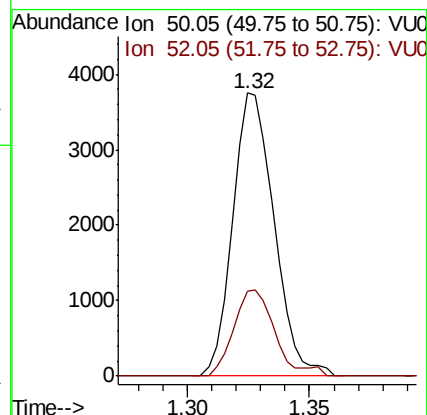
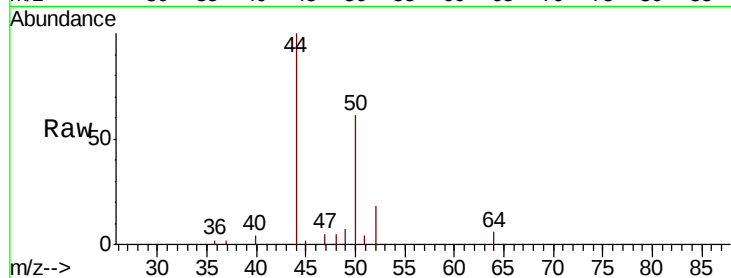
MW-12D-001-01

Tot Ion: 50 Resp: 4415

Ion Ratio Lower Upper

50 100

52 30.1 23.0 42.6



#13

Acetone

Concen: 4.153 ug/L

RT: 2.31 min Scan# 380

Delta R.T. -0.02 min

Lab File: VU034963.D

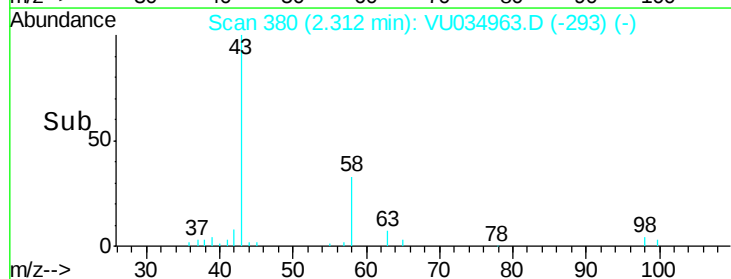
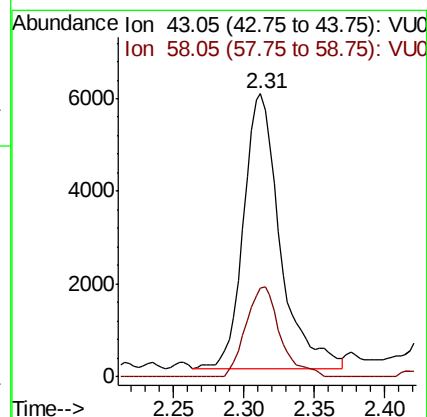
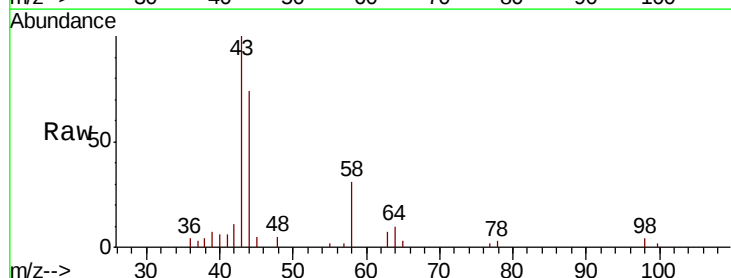
Acq: 07 Oct 2019 16:35

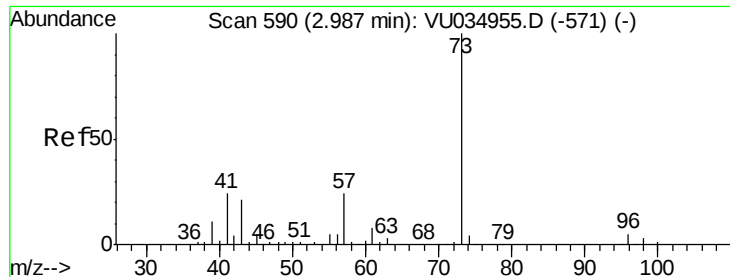
Tgt Ion: 43 Resp: 10785

Ion Ratio Lower Upper

43 100

58 30.7 0.0 60.8

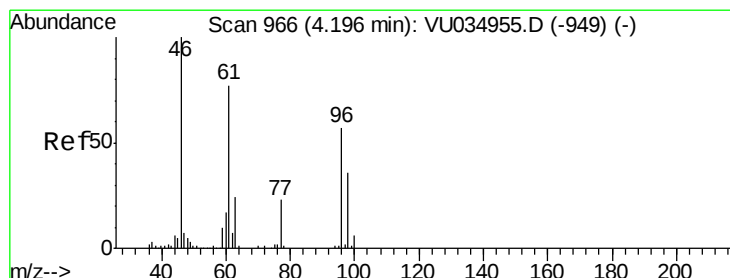
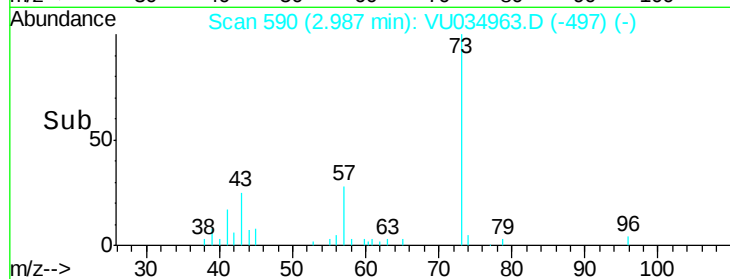
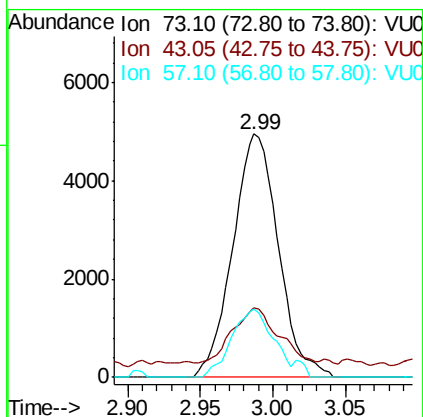
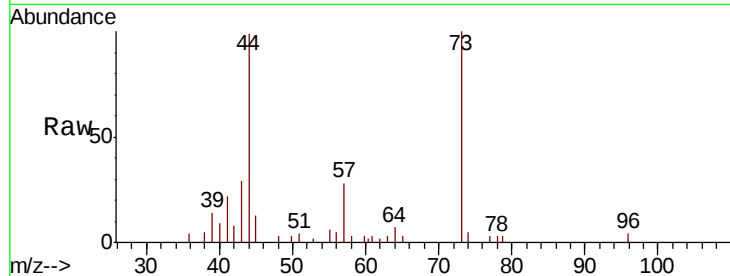




#17  
Methvl tert-butvl Ether  
Concen: 0.339 ug/L  
RT: 2.99 min Scan# 590  
Delta R.T. -0.00 min  
Lab File: VU034963.D  
Acq: 07 Oct 2019 16:35

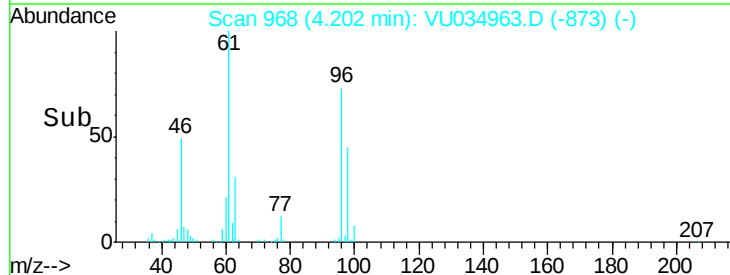
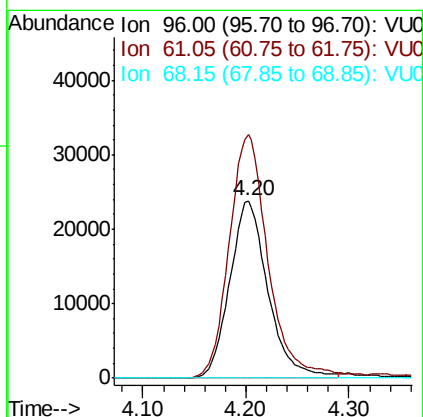
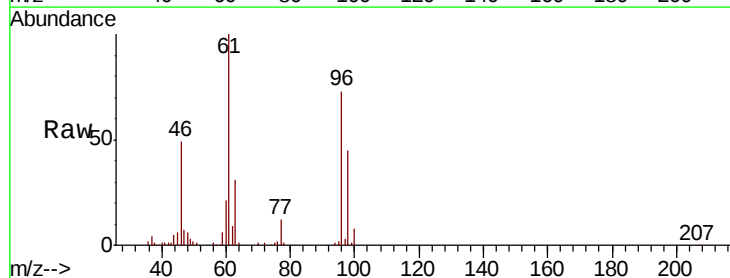
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ClientSampleId :  
MW-12D-001-01

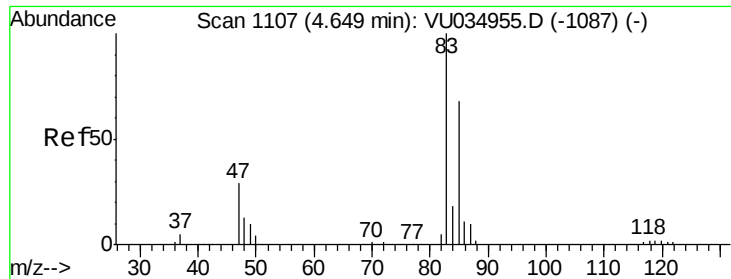
Tot Ion: 73 Resp: 10805  
Ion Ratio Lower Upper  
73 100  
43 22.2 17.4 26.0  
57 25.5 19.2 28.8



#22  
cis-1,2-Dichloroethene  
Concen: 4.403 ug/L  
RT: 4.20 min Scan# 968  
Delta R.T. 0.01 min  
Lab File: VU034963.D  
Acq: 07 Oct 2019 16:35

Tgt Ion: 96 Resp: 61519  
Ion Ratio Lower Upper  
96 100  
61 137.3 96.4 179.0  
68 0.0 0.0 0.0

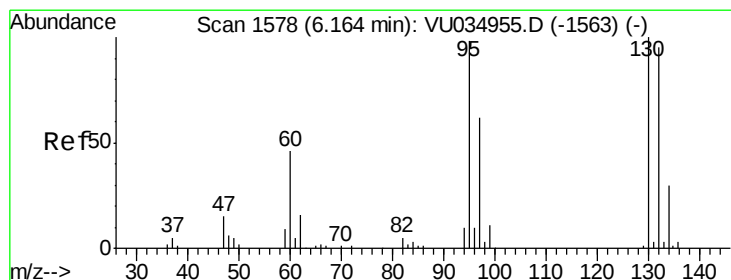
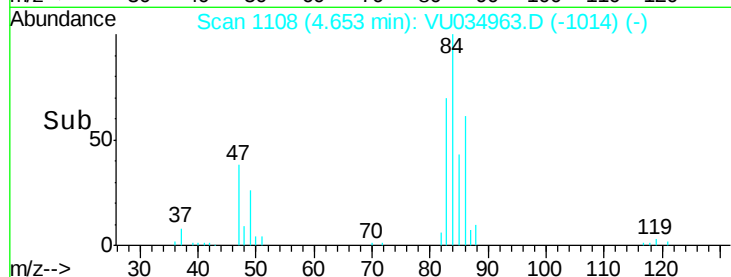
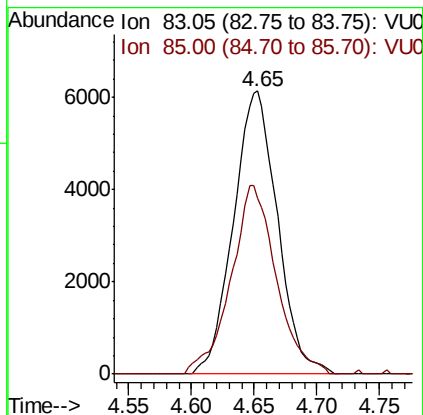
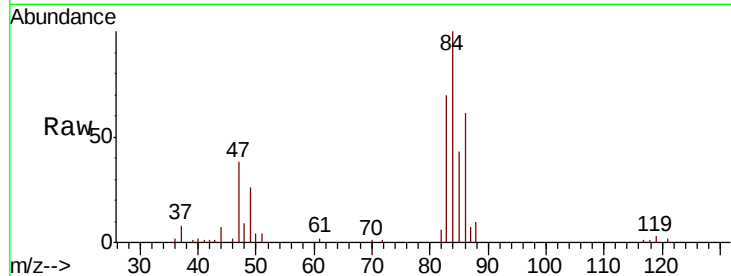




#25  
Chloroform  
Concen: 0.535 ug/L  
RT: 4.65 min Scan# 1108  
Delta R.T. 0.00 min  
Lab File: VU034963.D  
Acq: 07 Oct 2019 16:35

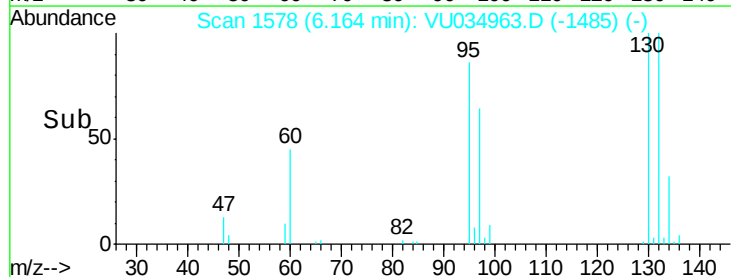
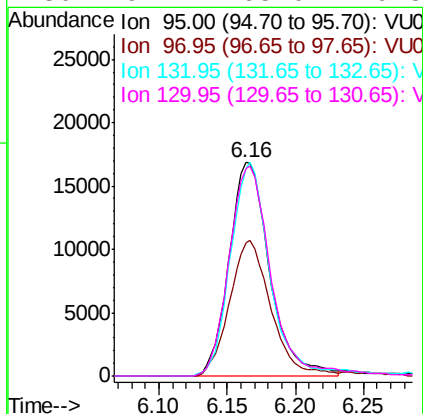
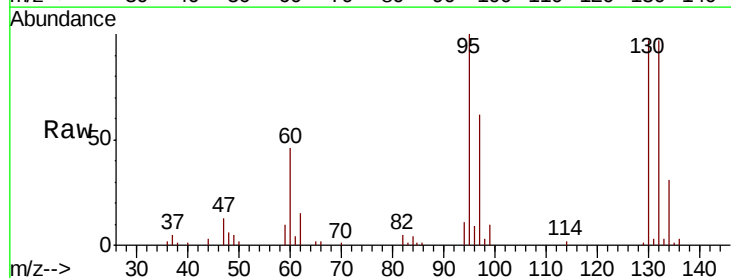
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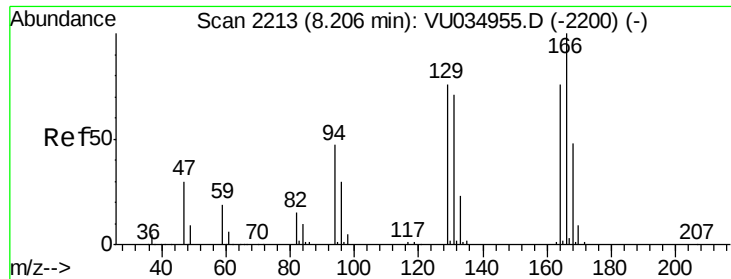
Tot Ion: 83 Resp: 14959  
Ion Ratio Lower Upper  
83 100  
85 62.3 45.4 84.4



#34  
Trichloroethene  
Concen: 2.462 ug/L  
RT: 6.16 min Scan# 1578  
Delta R.T. -0.00 min  
Lab File: VU034963.D  
Acq: 07 Oct 2019 16:35

Tgt Ion: 95 Resp: 34859  
Ion Ratio Lower Upper  
95 100  
97 62.1 42.5 78.9  
132 96.9 65.8 122.2  
130 97.4 65.0 120.8





#47

Tetrachloroethene

Concen: 11.899 ug/L

RT: 8.21 min Scan# 2213

Delta R.T. -0.00 min

Lab File: VU034963.D

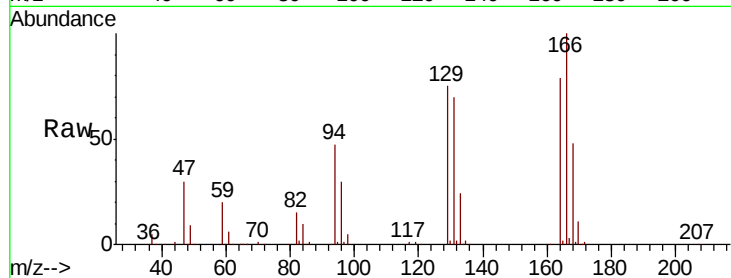
Acq: 07 Oct 2019 16:35

Instrument :

MSVOA\_U

ClientSampleId :

MW-12D-001-01



Tot Ion:164 Resp: 136361

Ion Ratio Lower Upper

164 100

129 95.0 66.5 123.5

131 88.4 63.3 117.7

166 126.9 91.6 170.2

Abundance Ion 163.90 (163.60 to 164.60): V

Ion 128.95 (128.65 to 129.65): V

Ion 130.95 (130.65 to 131.65): V

Ion 165.90 (165.60 to 166.60): V

