

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU062620\  
 Data File : VU039171.D  
 Acq On : 26 Jun 2020 17:44  
 Operator : SY/MD  
 Sample : L3104-03  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 F9Q07

Quant Time: Jun 26 23:56:25 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR062320WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Jun 26 23:52:58 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.28  | 114  | 229700   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.44  | 117  | 233926   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.82 | 152  | 101303   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61   | 65    | 64557    | 3.84     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 76.80%  |
| 7) Chloroethane-d5             | 1.93   | 69    | 64430    | 4.64     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 92.80%  |
| 11) 1,1-Dichloroethene-d2      | 2.59   | 63    | 105938   | 3.28     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 65.60%  |
| 20) 2-Butanone-d5              | 4.67   | 46    | 321061   | 52.89    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 105.78% |
| 24) Chloroform-d               | 5.10   | 84    | 162285   | 4.91     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 98.20%  |
| 26) 1,2-Dichloroethane-d4      | 5.74   | 65    | 101179   | 4.97     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 99.40%  |
| 32) Benzene-d6                 | 5.76   | 84    | 295116   | 4.55     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 91.00%  |
| 36) 1,2-Dichloropropane-d6     | 6.72   | 67    | 101730   | 4.67     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 93.40%  |
| 41) Toluene-d8                 | 7.92   | 98    | 228203   | 4.21     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 84.20%  |
| 43) trans-1,3-Dichloropropene- | 8.20   | 79    | 38653    | 4.08     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 81.60%  |
| 46) 2-Hexanone-d5              | 8.65   | 63    | 245462   | 50.20    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 100.40% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.77  | 84    | 89242    | 4.40     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 88.00%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.20  | 152   | 95576    | 5.06     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 101.20% |

## Target Compounds

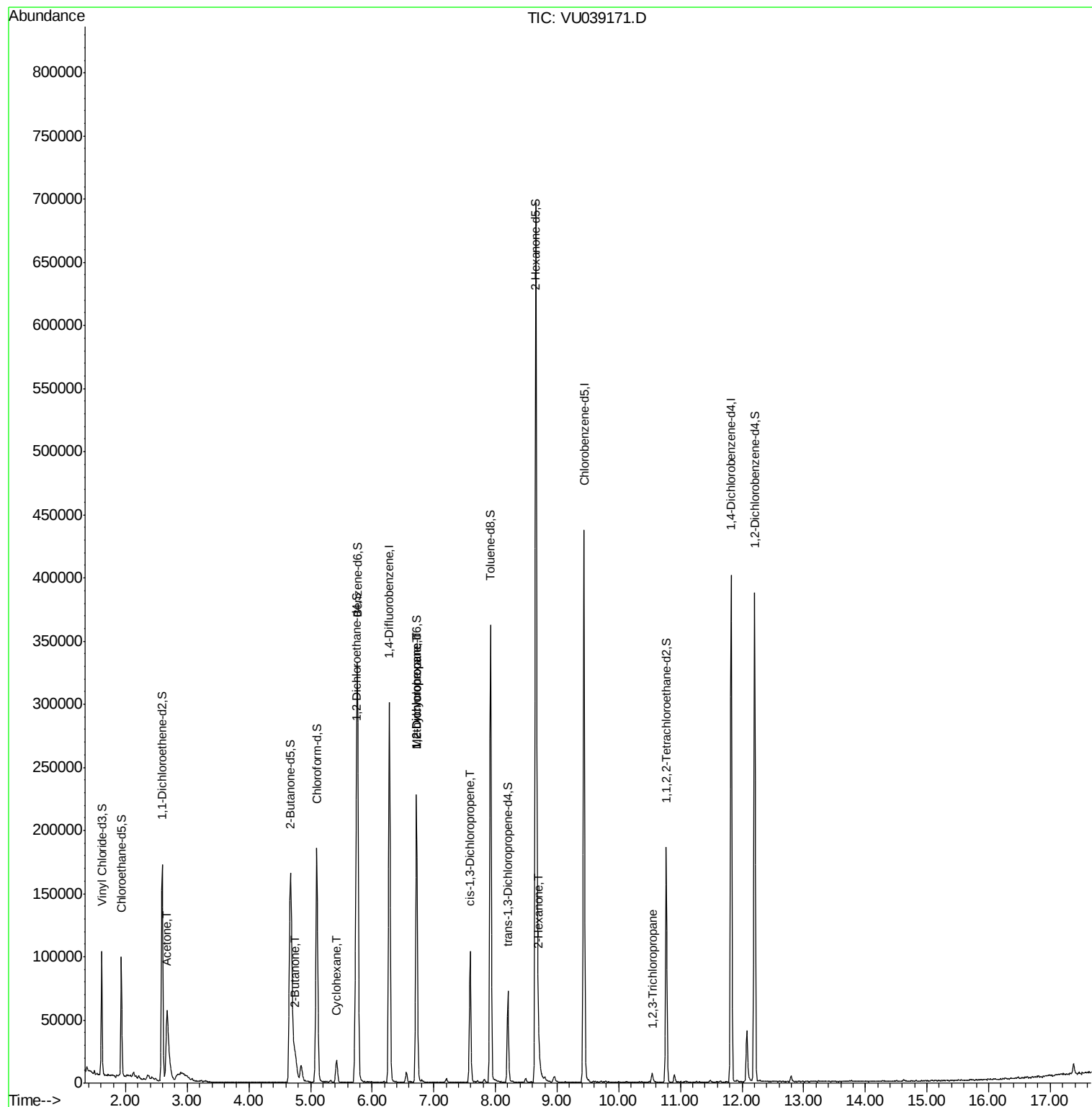
|                             |       |    |        |        | Ovalue    |
|-----------------------------|-------|----|--------|--------|-----------|
| 13) Acetone                 | 2.67  | 43 | 117787 | 28.573 | ug/L 96   |
| 21) 2-Butanone              | 4.76  | 43 | 22380  | 3.571  | ug/L 96   |
| 30) Cyclohexane             | 5.42  | 56 | 6911   | 0.254  | ug/L 91   |
| 35) Methylcyclohexane       | 6.72  | 83 | 24143  | 0.915  | ug/L # 17 |
| 37) 1,2-Dichloropropane     | 6.72  | 63 | 11931  | 0.599  | ug/L # 87 |
| 39) cis-1,3-Dichloropropene | 7.59  | 75 | 2483   | 0.090  | ug/L # 55 |
| 48) 2-Hexanone              | 8.70  | 43 | 11183  | 1.026  | ug/L # 91 |
| 59) 1,2,3-Trichloropropane  | 10.54 | 75 | 4323   | 0.288  | ug/L # 42 |

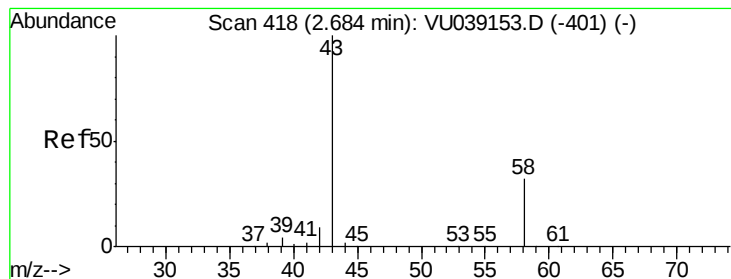
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#13

Acetone

Concen: 28.573 ug/L

RT: 2.67 min Scan# 414

Delta R.T. -0.01 min

Lab File: VU039171.D

Acq: 26 Jun 2020 17:44

Instrument :

MSVOA\_U

ClientSampleId :

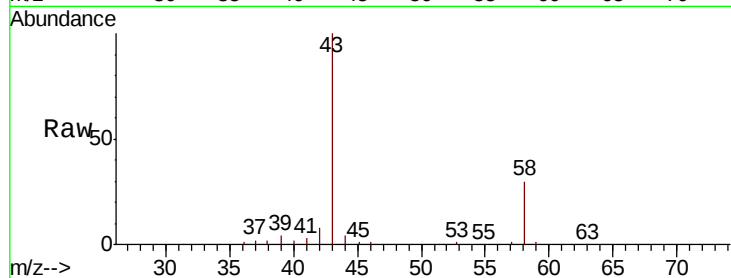
F9Q07

Tot Ion: 43 Resp: 117787

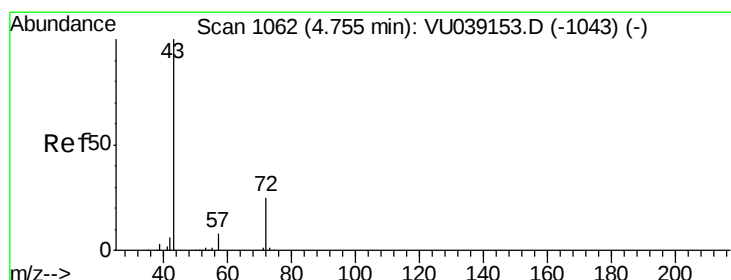
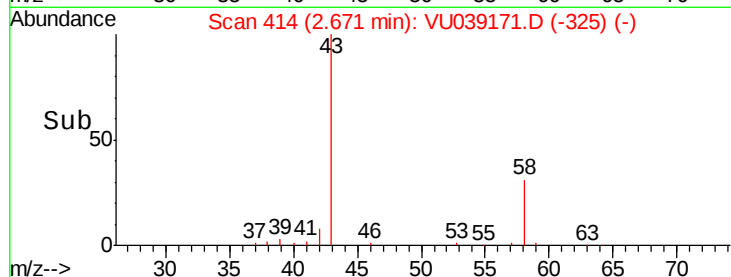
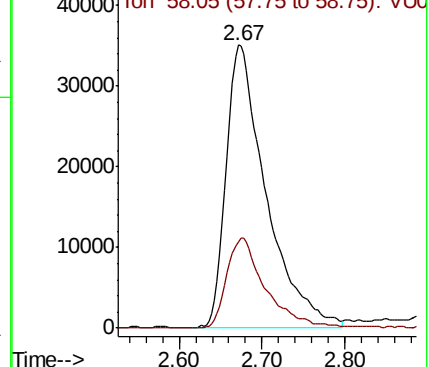
Ion Ratio Lower Upper

43 100

58 30.1 0.0 64.4



Abundance Ion 43.05 (42.75 to 43.75): VU039171.D (-325) (-)



#21

2-Butanone

Concen: 3.571 ug/L

RT: 4.76 min Scan# 1063

Delta R.T. 0.00 min

Lab File: VU039171.D

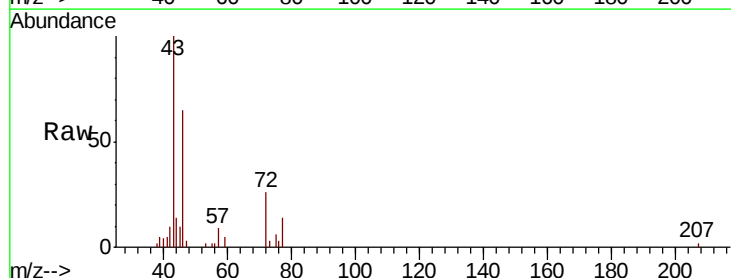
Acq: 26 Jun 2020 17:44

Tgt Ion: 43 Resp: 22380

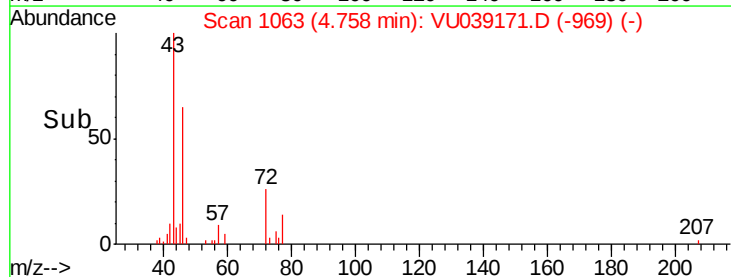
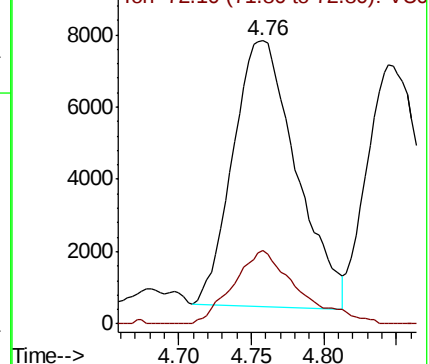
Ion Ratio Lower Upper

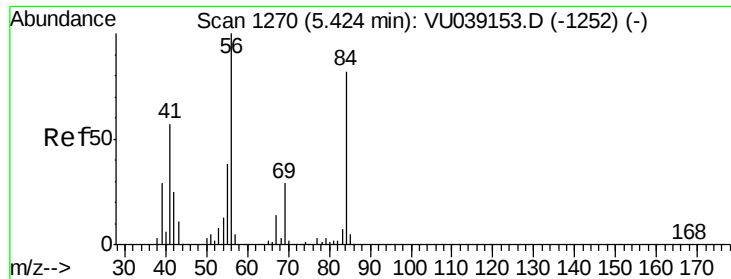
43 100

72 28.3 13.1 39.3



Abundance Ion 43.05 (42.75 to 43.75): VU039171.D (-969) (-)

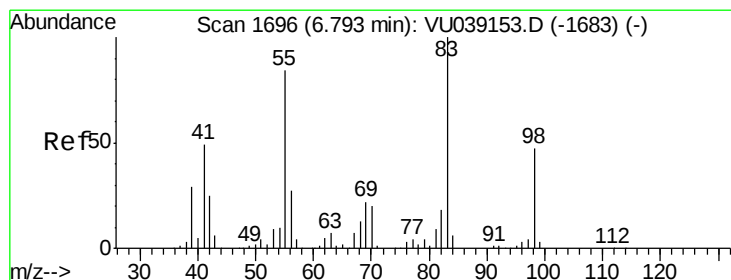
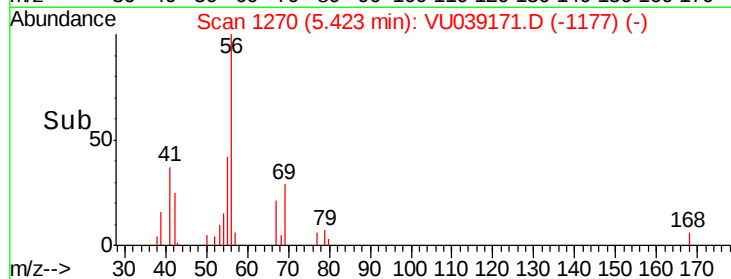
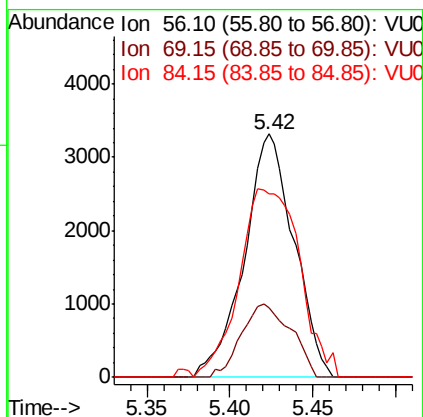
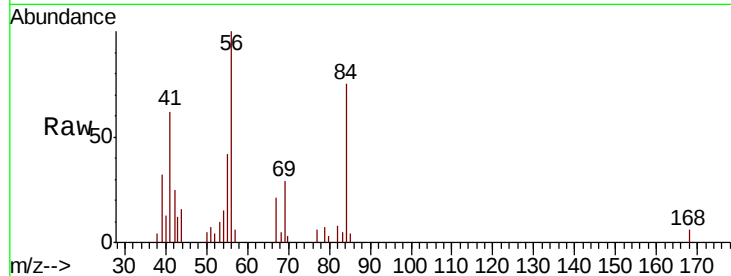




#30  
Cyclohexane  
Concen: 0.254 ug/L  
RT: 5.42 min Scan# 1270  
Delta R.T. -0.00 min  
Lab File: VU039171.D  
Acq: 26 Jun 2020 17:44

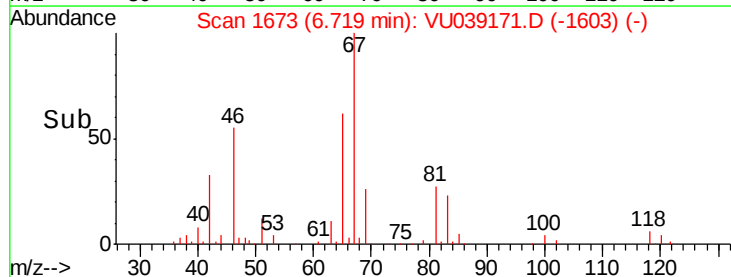
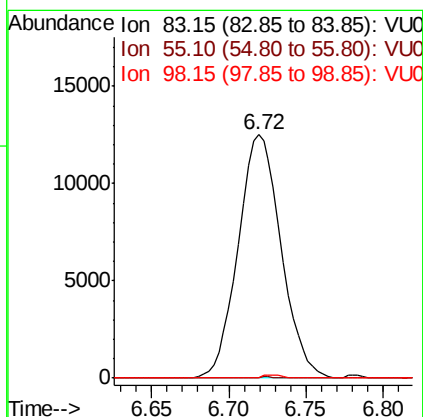
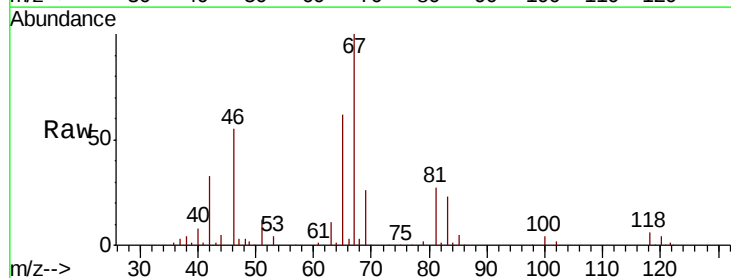
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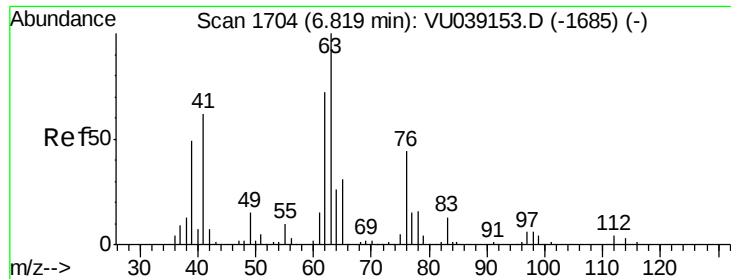
| Tot Ion | 56    | Resp  | 6911  |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 56      | 100   |       |       |
| 69      | 30.1  | 23.3  | 34.9  |
| 84      | 93.9  | 67.1  | 100.7 |



#35  
Methylcyclohexane  
Concen: 0.915 ug/L  
RT: 6.72 min Scan# 1673  
Delta R.T. -0.07 min  
Lab File: VU039171.D  
Acq: 26 Jun 2020 17:44

| Tgt Ion | 83    | Resp  | 24143 |
|---------|-------|-------|-------|
| Ion     | Ratio | Lower | Upper |
| 83      | 100   |       |       |
| 55      | 0.2   | 65.5  | 98.3# |
| 98      | 0.6   | 36.5  | 54.7# |

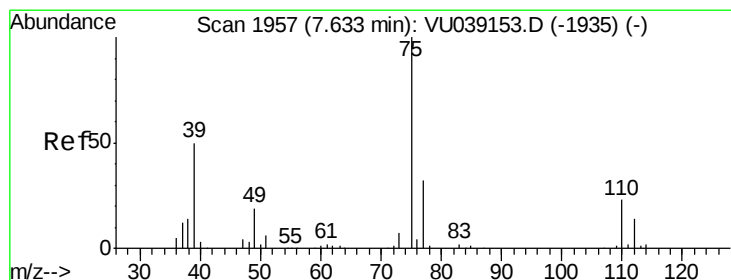
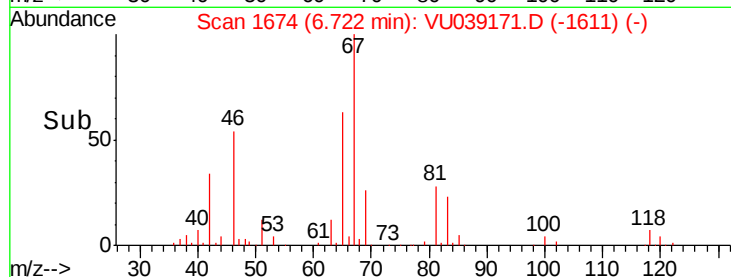
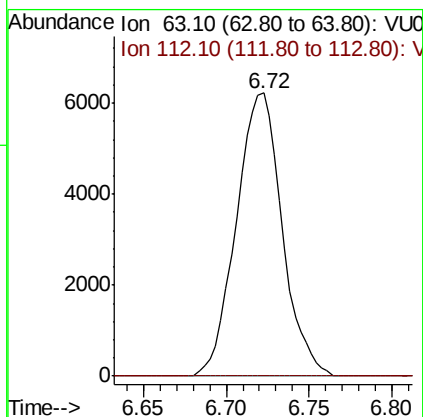
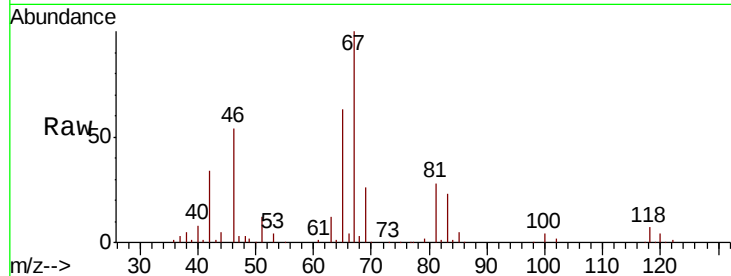




#37  
 1,2-Dichloropropane  
 Concen: 0.599 ug/L  
 RT: 6.72 min Scan# 1674  
 Delta R.T. -0.10 min  
 Lab File: VU039171.D  
 Acq: 26 Jun 2020 17:44

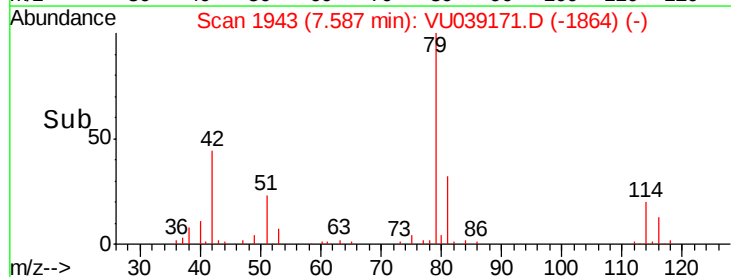
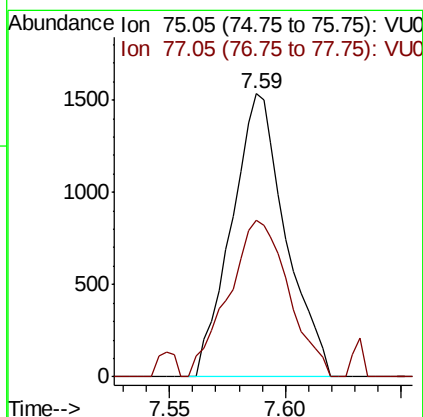
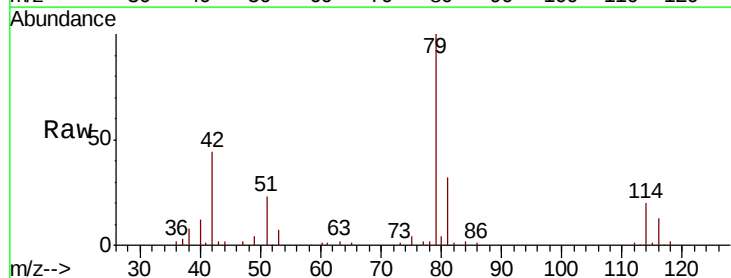
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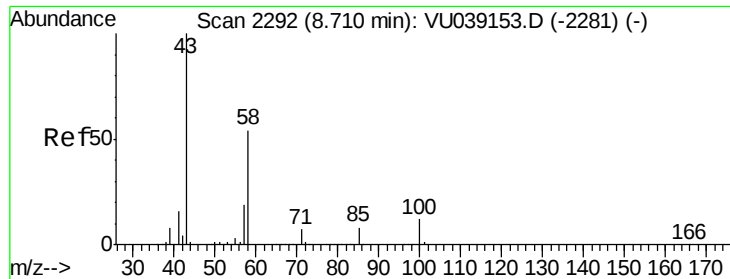
Tot Ion: 63 Resp: 11931  
 Ion Ratio Lower Upper  
 63 100  
 112 0.0 3.4 5.2#



#39  
 cis-1,3-Dichloropropene  
 Concen: 0.090 ug/L  
 RT: 7.59 min Scan# 1943  
 Delta R.T. -0.05 min  
 Lab File: VU039171.D  
 Acq: 26 Jun 2020 17:44

Tgt Ion: 75 Resp: 2483  
 Ion Ratio Lower Upper  
 75 100  
 77 55.3 21.6 40.0#

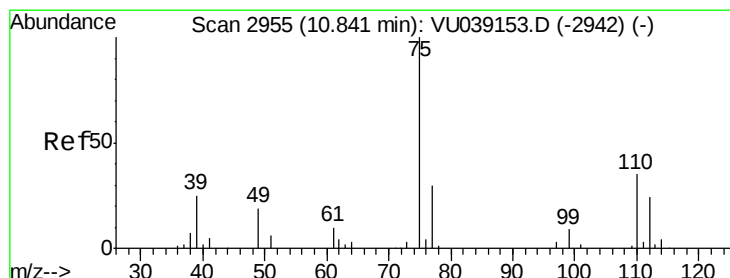
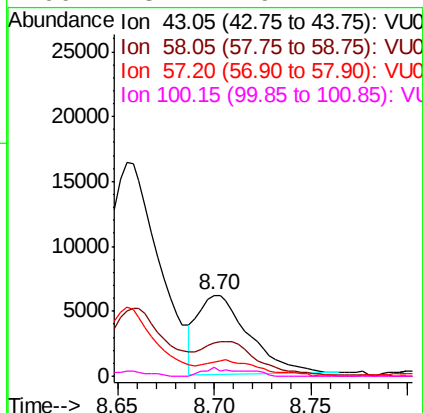
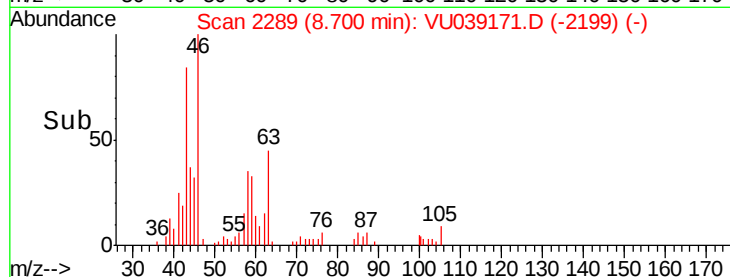
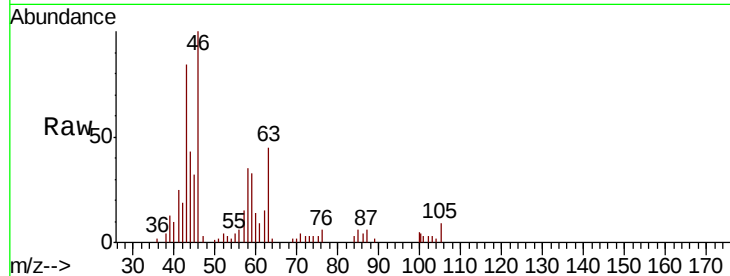




#48  
2-Hexanone  
Concen: 1.026 ug/L  
RT: 8.70 min Scan# 2289  
Delta R.T. -0.01 min  
Lab File: VU039171.D  
Acq: 26 Jun 2020 17:44

Instrument :  
MSVOA\_U  
ClientSampleId :  
F9Q07

Tot Ion: 43 Resp: 11183  
Ion Ratio Lower Upper  
43 100  
58 48.1 44.0 66.0  
57 21.8 15.0 22.6  
100 8.7 9.4 14.2#



#59  
1,2,3-Trichloropropane  
Concen: 0.288 ug/L  
RT: 10.54 min Scan# 2862  
Delta R.T. -0.30 min  
Lab File: VU039171.D  
Acq: 26 Jun 2020 17:44

Tgt Ion: 75 Resp: 4323  
Ion Ratio Lower Upper  
75 100  
77 0.0 26.2 39.2#

