

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU060420\  
 Data File : VU038552.D  
 Acq On : 04 Jun 2020 16:28  
 Operator : SY/MD  
 Sample : L2872-01  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 BFEN3

Quant Time: Jun 05 01:14:33 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR053120WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Fri Jun 05 01:11:12 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.28  | 114  | 293394   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.44  | 117  | 287537   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.82 | 152  | 137316   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61   | 65    | 69310    | 3.65     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 73.00%  |
| 7) Chloroethane-d5             | 1.93   | 69    | 62246    | 4.27     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 85.40%  |
| 11) 1,1-Dichloroethene-d2      | 2.59   | 63    | 115033   | 3.08     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 61.60%  |
| 20) 2-Butanone-d5              | 4.67   | 46    | 286807   | 49.72    | ug/L | -0.01   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 99.44%  |
| 24) Chloroform-d               | 5.10   | 84    | 168566   | 4.73     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 94.60%  |
| 26) 1,2-Dichloroethane-d4      | 5.74   | 65    | 97972    | 4.84     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 96.80%  |
| 32) Benzene-d6                 | 5.76   | 84    | 333298   | 4.64     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 92.80%  |
| 36) 1,2-Dichloropropane-d6     | 6.72   | 67    | 103814   | 4.70     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 94.00%  |
| 41) Toluene-d8                 | 7.92   | 98    | 281633   | 4.37     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 87.40%  |
| 43) trans-1,3-Dichloropropene- | 8.20   | 79    | 40403    | 4.26     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 85.20%  |
| 46) 2-Hexanone-d5              | 8.65   | 63    | 240397   | 51.28    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 102.56% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.77  | 84    | 88076    | 4.70     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 94.00%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.20  | 152   | 117010   | 4.94     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 98.80%  |

## Target Compounds

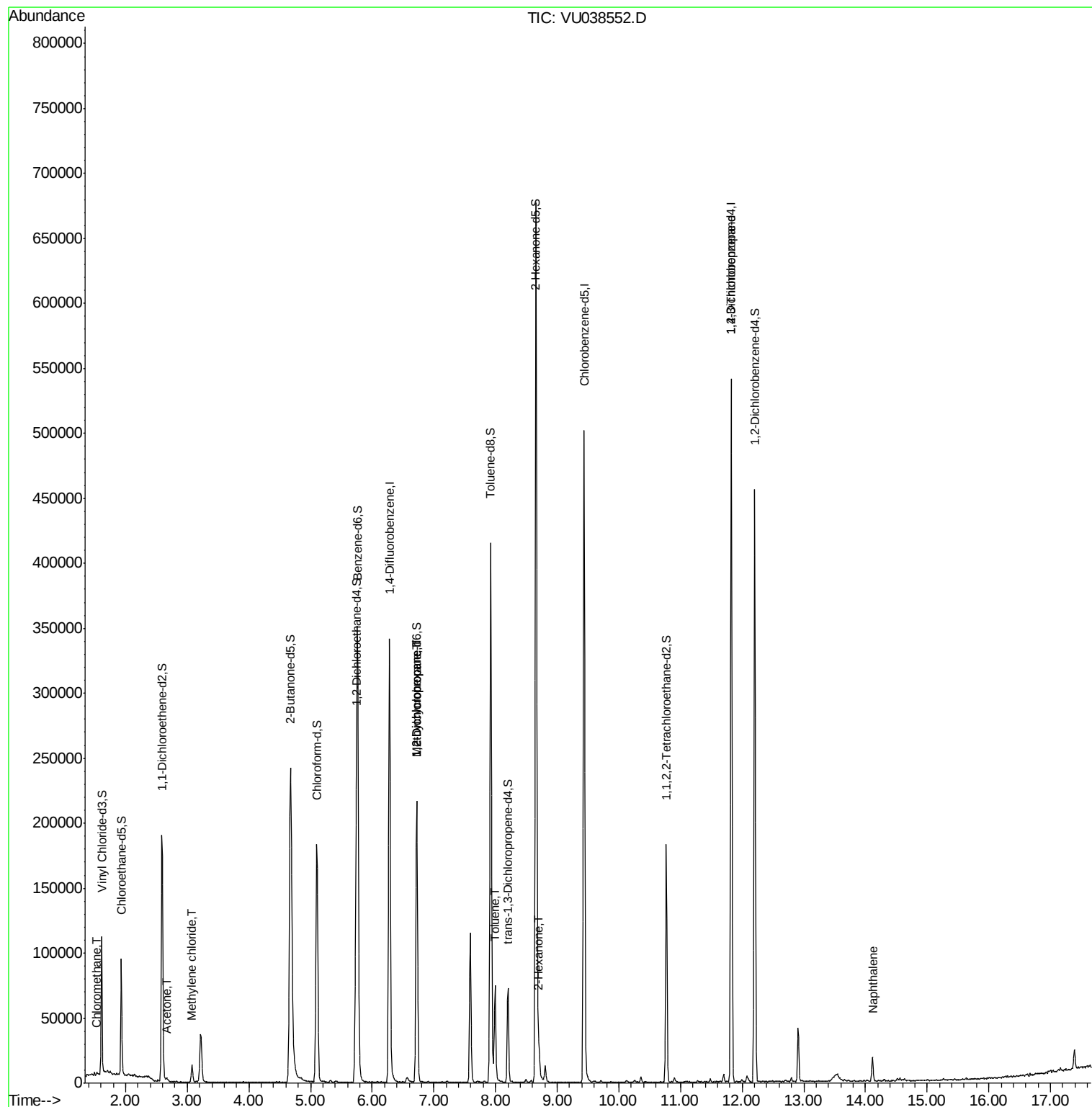
|                            |       |     |       |              | Ovalue |
|----------------------------|-------|-----|-------|--------------|--------|
| 3) Chloromethane           | 1.53  | 50  | 1940  | 0.091 ug/L   | 97     |
| 13) Acetone                | 2.67  | 43  | 3717  | 0.985 ug/L   | 93     |
| 16) Methylene chloride     | 3.08  | 84  | 5913  | 0.289 ug/L   | 94     |
| 35) Methylcyclohexane      | 6.72  | 83  | 24746 | 0.768 ug/L # | 18     |
| 37) 1,2-Dichloropropane    | 6.72  | 63  | 10921 | 0.541 ug/L # | 86     |
| 42) Toluene                | 7.99  | 91  | 53504 | 0.636 ug/L   | 98     |
| 48) 2-Hexanone             | 8.71  | 43  | 10435 | 0.955 ug/L # | 92     |
| 59) 1,2,3-Trichloropropane | 11.82 | 75  | 17878 | 1.187 ug/L # | 87     |
| 69) Naphthalene            | 14.11 | 128 | 14739 | 0.266 ug/L   | 99     |

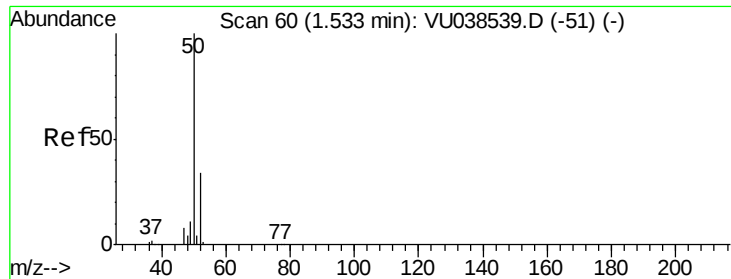
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration





#3

Chloromethane

Concen: 0.091 ug/L

RT: 1.53 min Scan# 60

Delta R.T. 0.00 min

Lab File: VU038552.D

Acq: 04 Jun 2020 16:28

Instrument :

MSVOA\_U

ClientSampleId :

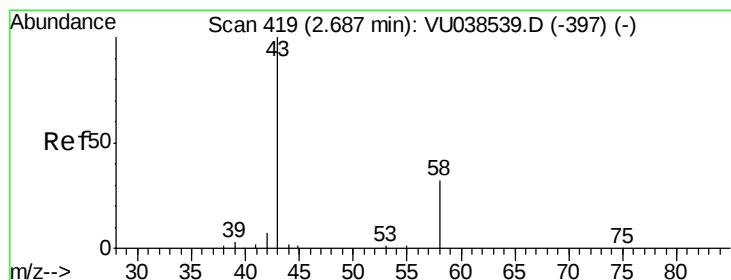
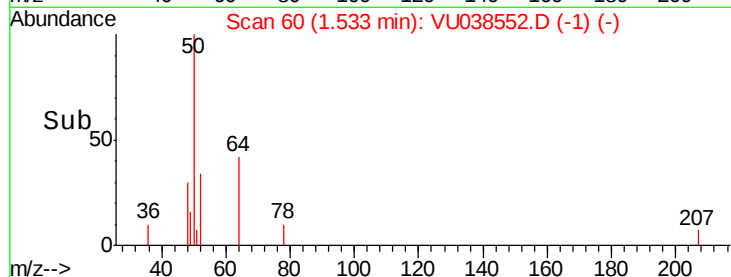
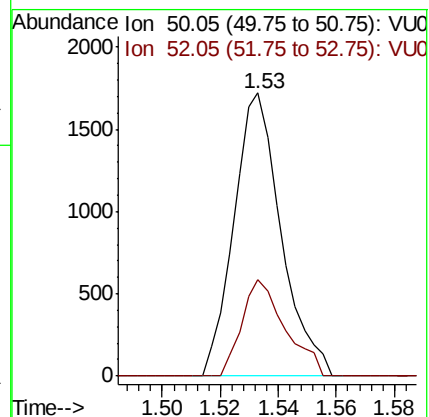
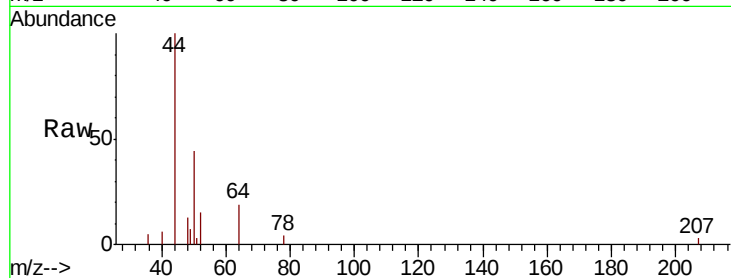
BFEN3

Tot Ion: 50 Resp: 1940

Ion Ratio Lower Upper

50 100

52 34.2 22.9 42.5



#13

Acetone

Concen: 0.985 ug/L

RT: 2.67 min Scan# 414

Delta R.T. -0.02 min

Lab File: VU038552.D

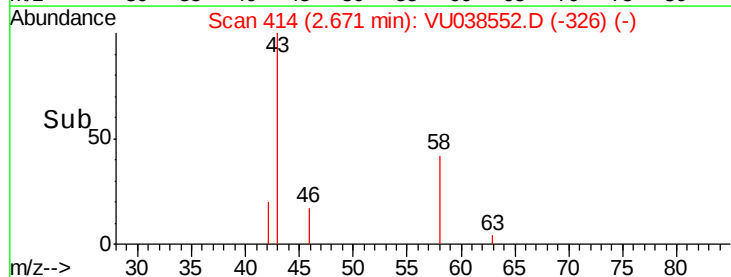
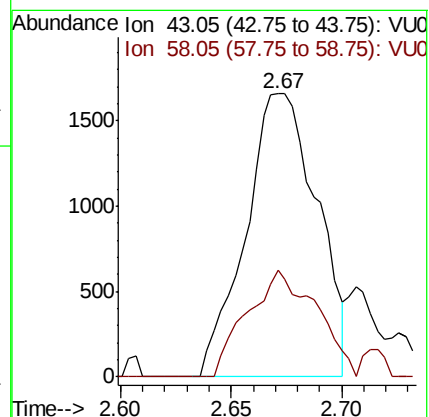
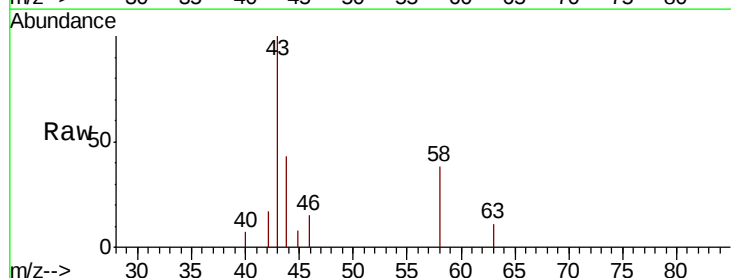
Acq: 04 Jun 2020 16:28

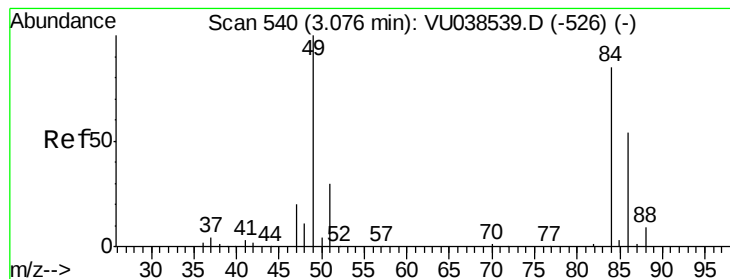
Tgt Ion: 43 Resp: 3717

Ion Ratio Lower Upper

43 100

58 36.8 0.0 65.6





#16

Methvlene chloride

Concen: 0.289 ug/L

RT: 3.08 min Scan# 540

Delta R.T. 0.00 min

Lab File: VU038552.D

Acq: 04 Jun 2020 16:28

Instrument :

MSVOA\_U

ClientSampleId :

BFEN3

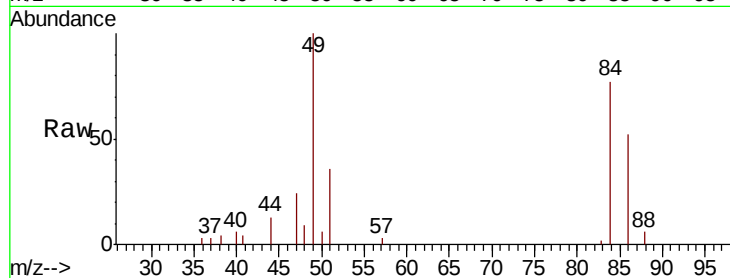
Tot Ion: 84 Resp: 5913

Ion Ratio Lower Upper

84 100

86 67.6 45.0 83.6

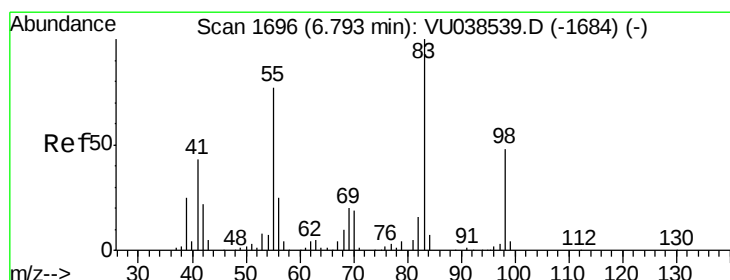
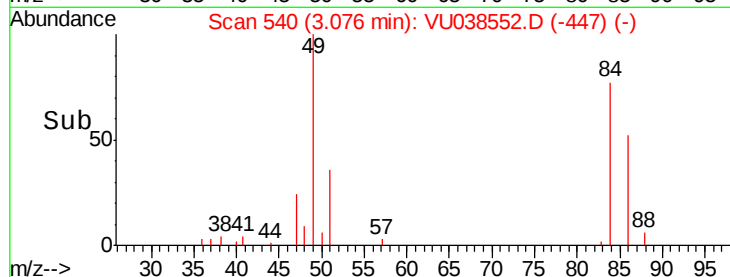
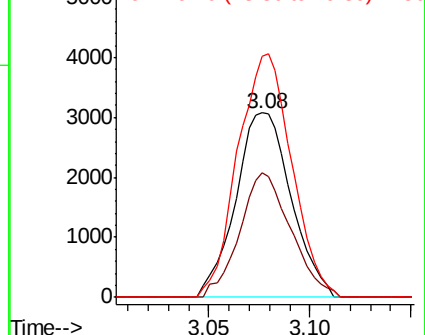
49 130.6 85.5 158.9



Abundance Ion 84.05 (83.75 to 84.75): VU0

Ion 86.00 (85.70 to 86.70): VU0

Ion 49.10 (48.80 to 49.80): VU0



#35

Methylcyclohexane

Concen: 0.768 ug/L

RT: 6.72 min Scan# 1674

Delta R.T. -0.07 min

Lab File: VU038552.D

Acq: 04 Jun 2020 16:28

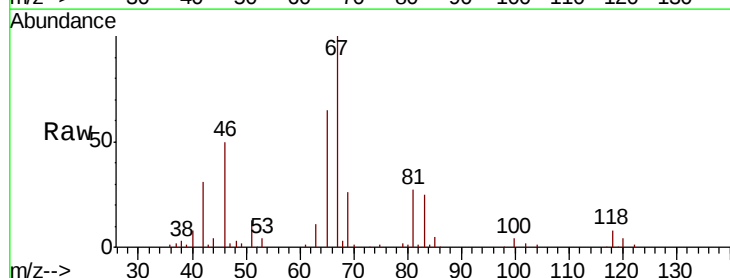
Tgt Ion: 83 Resp: 24746

Ion Ratio Lower Upper

83 100

55 0.1 63.4 95.2#

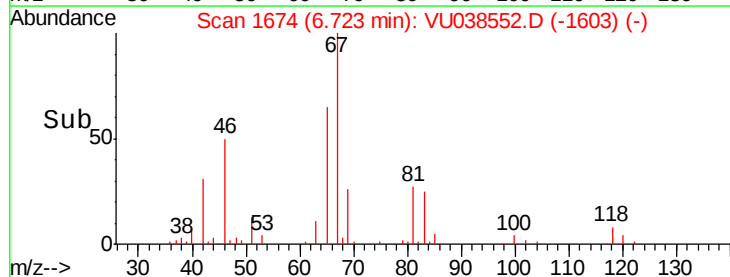
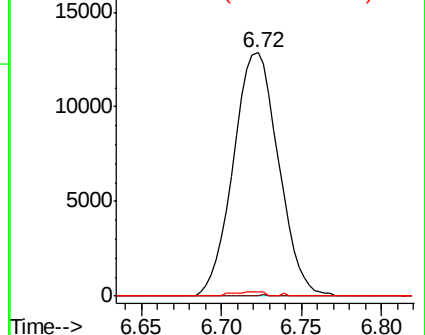
98 1.2 39.0 58.4#

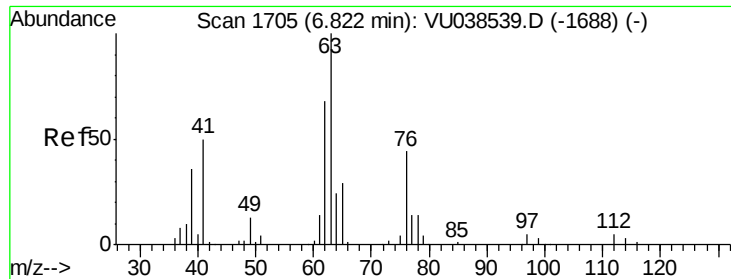


Abundance Ion 83.15 (82.85 to 83.85): VU0

Ion 55.10 (54.80 to 55.80): VU0

Ion 98.15 (97.85 to 98.85): VU0

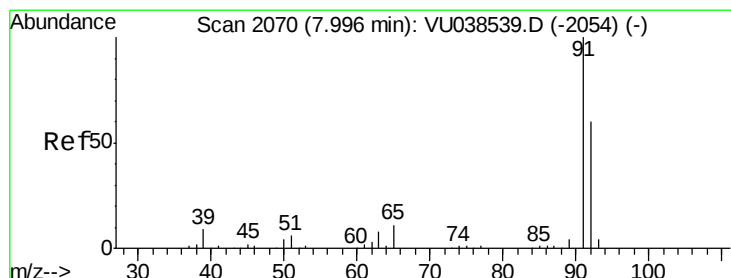
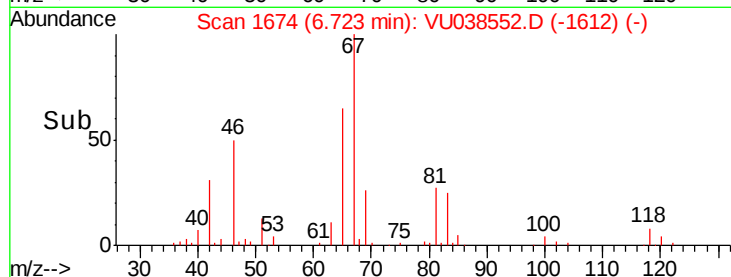
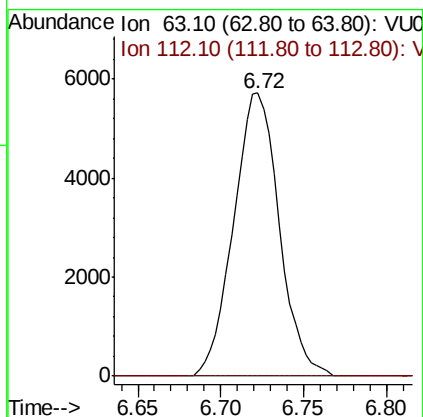
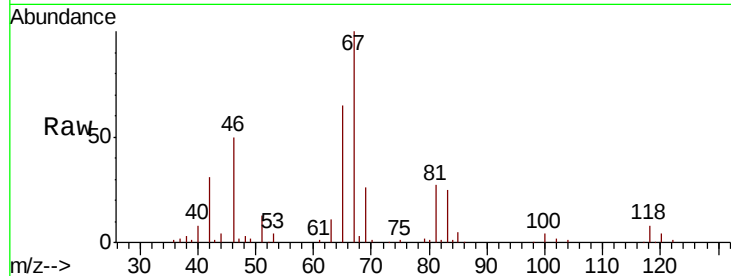




#37  
 1,2-Dichloropropane  
 Concen: 0.541 ug/L  
 RT: 6.72 min Scan# 1674  
 Delta R.T. -0.10 min  
 Lab File: VU038552.D  
 Acq: 04 Jun 2020 16:28

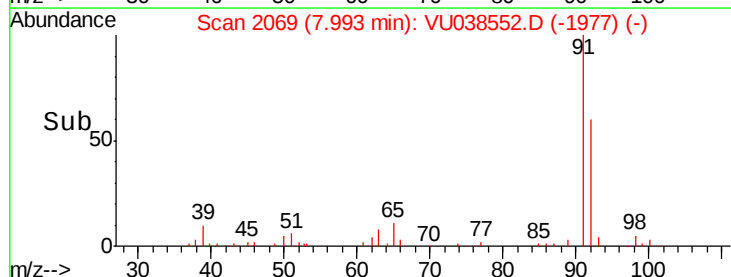
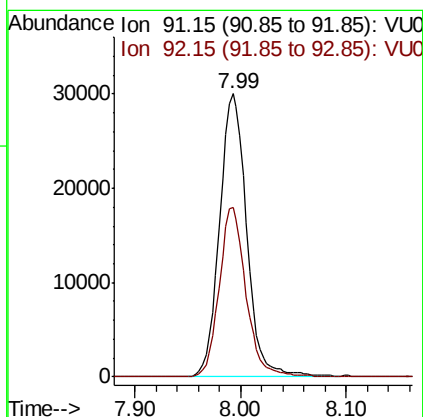
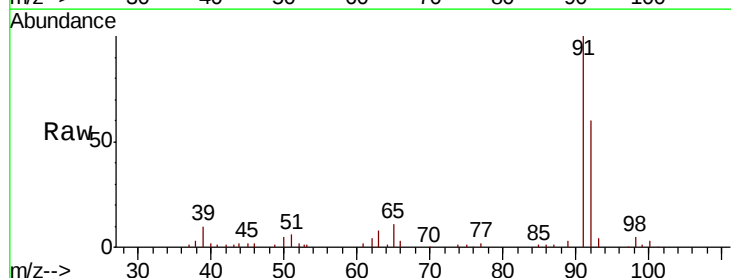
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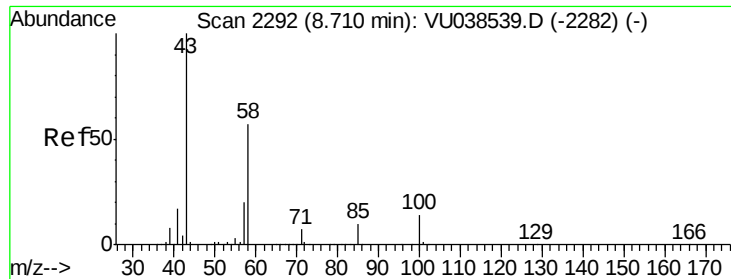
Tot Ion: 63 Resp: 10921  
 Ion Ratio Lower Upper  
 63 100  
 112 0.0 3.7 5.5#



#42  
 Toluene  
 Concen: 0.636 ug/L  
 RT: 7.99 min Scan# 2069  
 Delta R.T. -0.00 min  
 Lab File: VU038552.D  
 Acq: 04 Jun 2020 16:28

Tgt Ion: 91 Resp: 53504  
 Ion Ratio Lower Upper  
 91 100  
 92 60.1 43.0 79.8

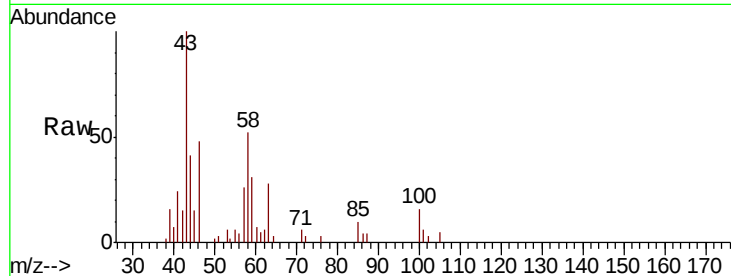




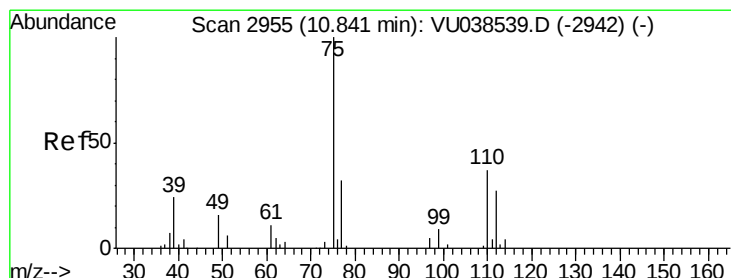
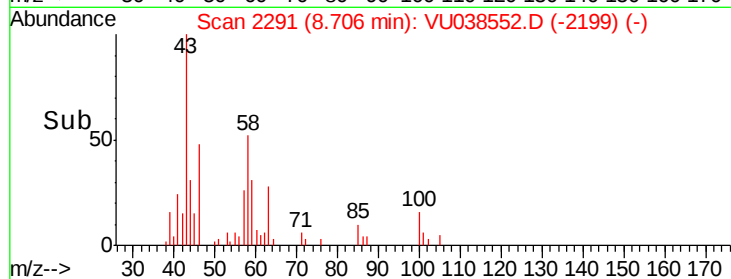
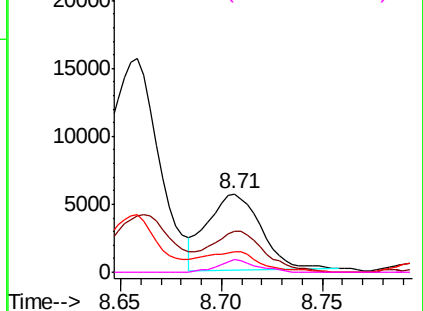
#48  
2-Hexanone  
Concen: 0.955 ug/L  
RT: 8.71 min Scan# 2291  
Delta R.T. -0.00 min  
Lab File: VU038552.D  
Acq: 04 Jun 2020 16:28

Instrument :  
MSVOA\_U  
ClientSampleID :  
BFEN3

Tot Ion: 43 Resp: 10435  
Ion Ratio Lower Upper  
43 100  
58 53.3 45.4 68.0  
57 28.9 15.9 23.9#  
100 11.9 10.5 15.7

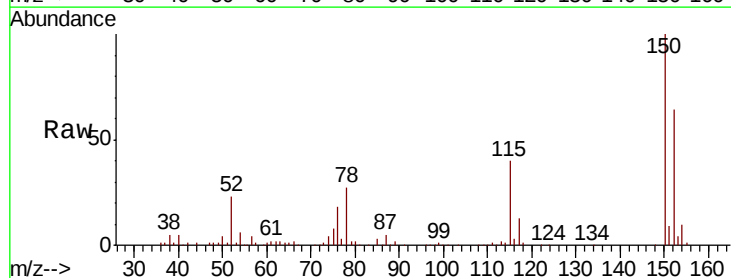


Abundance Ion 43.05 (42.75 to 43.75): VU0  
Ion 58.05 (57.75 to 58.75): VU0  
Ion 57.20 (56.90 to 57.90): VU0  
Ion 100.15 (99.85 to 100.85): VU0

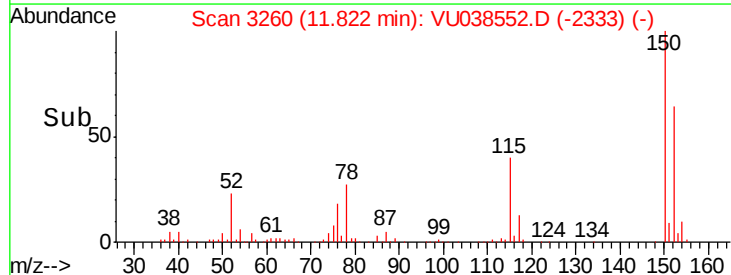
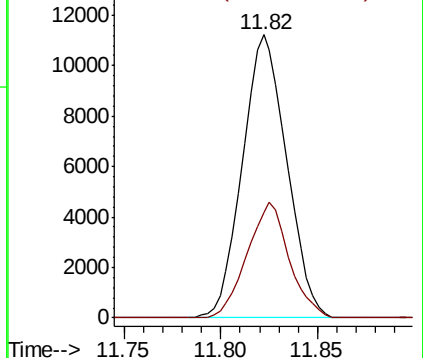


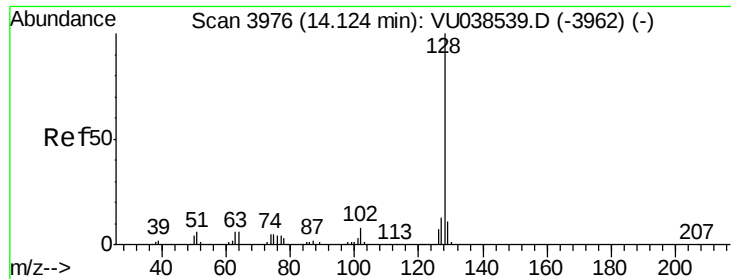
#59  
1,2,3-Trichloropropane  
Concen: 1.187 ug/L  
RT: 11.82 min Scan# 3260  
Delta R.T. 0.98 min  
Lab File: VU038552.D  
Acq: 04 Jun 2020 16:28

Tgt Ion: 75 Resp: 17878  
Ion Ratio Lower Upper  
75 100  
77 38.8 25.4 38.2#



Abundance Ion 75.00 (74.70 to 75.70): VU0  
Ion 77.00 (76.70 to 77.70): VU0





#69

Naphthalene

Concen: 0.266 ug/L

RT: 14.11 min Scan# 3973

Delta R.T. -0.01 min

Lab File: VU038552.D

Acq: 04 Jun 2020 16:28

Instrument :

MSVOA\_U

ClientSampleId :

BFEN3

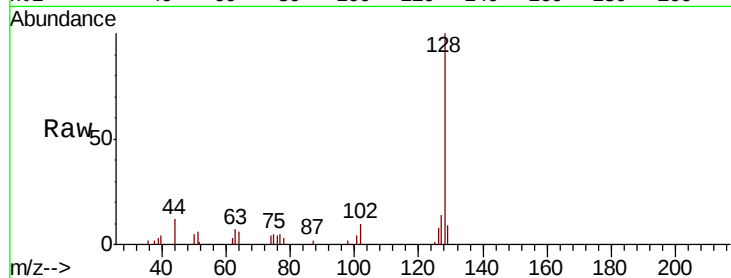
Tot Ion:128 Resp: 14739

Ion Ratio Lower Upper

128 100

129 10.2 8.9 13.3

127 12.9 10.2 15.4



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V

