

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU051320\  
 Data File : VU038149.D  
 Acq On : 13 May 2020 17:26  
 Operator : JC/MD  
 Sample : L2631-02  
 Misc : 25.0mL/MSVOA U/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :

Quant Time: May 14 01:15:44 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR050720WMA.M  
 Quant Title : TRACE VOA SOM01.0  
 QLast Update : Thu May 14 01:11:51 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc | Units | Dev(Min) |
|----------------------------|-------|------|----------|------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.28  | 114  | 352897   | 5.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.44  | 117  | 341177   | 5.00 | ug/L  | 0.00     |
| 60) 1,4-Dichlorobenzene-d4 | 11.83 | 152  | 163879   | 5.00 | ug/L  | 0.00     |

## System Monitoring Compounds

|                                |        |       |          |          |      |         |
|--------------------------------|--------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61   | 65    | 115417   | 3.58     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 40 - 130 | Recovery | =    | 71.60%  |
| 7) Chloroethane-d5             | 1.93   | 69    | 112465   | 4.03     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 130 | Recovery | =    | 80.60%  |
| 11) 1,1-Dichloroethene-d2      | 2.59   | 63    | 153386   | 2.84     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 125 | Recovery | =    | 56.80%# |
| 20) 2-Butanone-d5              | 4.67   | 46    | 445598   | 55.95    | ug/L | -0.02   |
| Spiked Amount                  | 50.000 | Range | 40 - 130 | Recovery | =    | 111.90% |
| 24) Chloroform-d               | 5.10   | 84    | 219748   | 4.49     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 89.80%  |
| 26) 1,2-Dichloroethane-d4      | 5.74   | 65    | 133951   | 4.77     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 95.40%  |
| 32) Benzene-d6                 | 5.76   | 84    | 463908   | 4.54     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 125 | Recovery | =    | 90.80%  |
| 36) 1,2-Dichloropropane-d6     | 6.72   | 67    | 152783   | 4.63     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 60 - 140 | Recovery | =    | 92.60%  |
| 41) Toluene-d8                 | 7.92   | 98    | 402784   | 4.38     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 70 - 130 | Recovery | =    | 87.60%  |
| 43) trans-1,3-Dichloropropene- | 8.20   | 79    | 56513    | 4.28     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 55 - 130 | Recovery | =    | 85.60%  |
| 46) 2-Hexanone-d5              | 8.65   | 63    | 360833   | 57.81    | ug/L | 0.00    |
| Spiked Amount                  | 50.000 | Range | 45 - 130 | Recovery | =    | 115.62% |
| 57) 1,1,2,2-Tetrachloroethane- | 10.77  | 84    | 127735   | 4.91     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 65 - 120 | Recovery | =    | 98.20%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.20  | 152   | 153421   | 4.81     | ug/L | 0.00    |
| Spiked Amount                  | 5.000  | Range | 80 - 120 | Recovery | =    | 96.20%  |

## Target Compounds

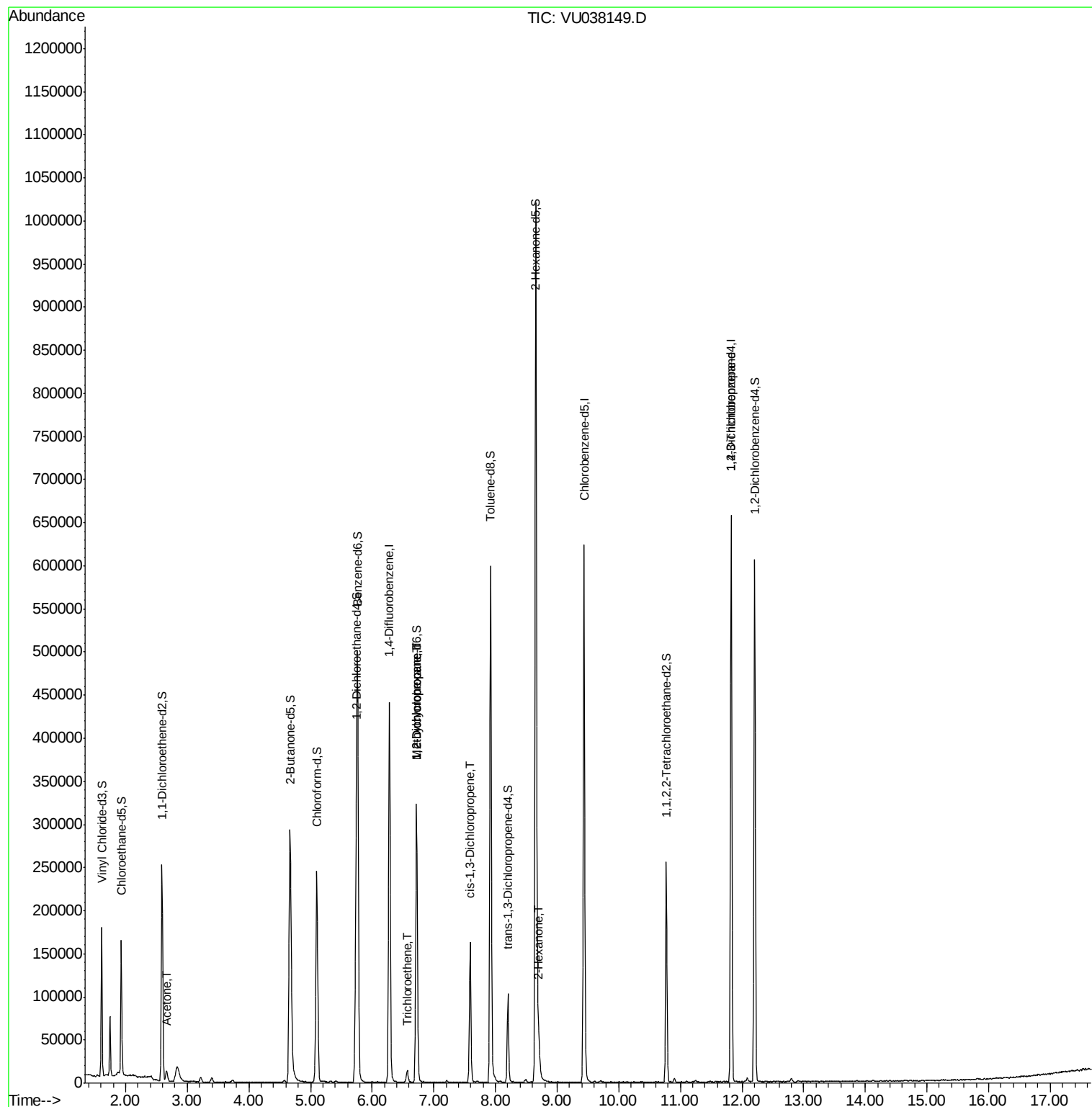
|                             |       |    |       |       | Ovalue    |
|-----------------------------|-------|----|-------|-------|-----------|
| 13) Acetone                 | 2.66  | 43 | 16274 | 3.257 | ug/L 97   |
| 34) Trichloroethene         | 6.57  | 95 | 3481  | 0.127 | ug/L 90   |
| 35) Methylcyclohexane       | 6.72  | 83 | 34974 | 0.790 | ug/L # 16 |
| 37) 1,2-Dichloropropane     | 6.72  | 63 | 16328 | 0.550 | ug/L # 88 |
| 39) cis-1,3-Dichloropropene | 7.59  | 75 | 3528  | 0.083 | ug/L # 41 |
| 48) 2-Hexanone              | 8.71  | 43 | 25985 | 1.725 | ug/L # 94 |
| 59) 1,2,3-Trichloropropane  | 11.82 | 75 | 21486 | 1.079 | ug/L 95   |

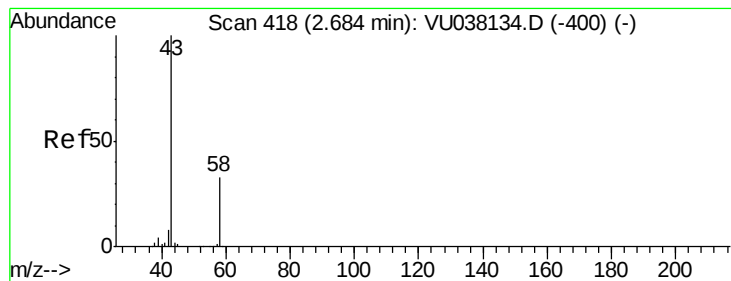
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA\_U\METHOD\SOMUTR050720WMA.M  
Quant Title : TRACE VOA SOM01.0  
QLast Update : Thu May 14 01:11:51 2020  
Response via : Initial Calibration





#13

Acetone

Concen: 3.257 ug/L

RT: 2.66 min Scan# 412

Delta R.T. -0.02 min

Lab File: VU038149.D

Acq: 13 May 2020 17:26

Instrument :

MSVOA\_U

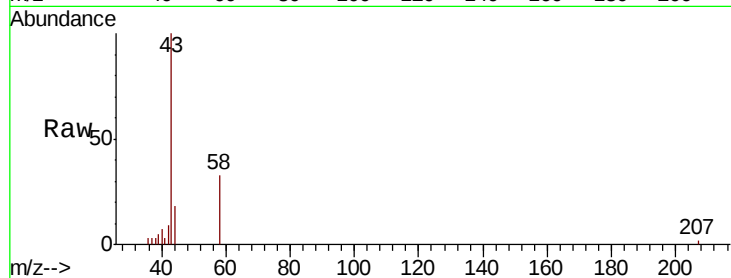
ClientSampleId :

Tot Ion: 43 Resp: 16274

Ion Ratio Lower Upper

43 100

58 33.3 0.0 63.6



Abundance Ion 43.05 (42.75 to 43.75): VU038134.D (-400) (-)

Ion 58.05 (57.75 to 58.75): VU038134.D (-400) (-)

2.66

8000

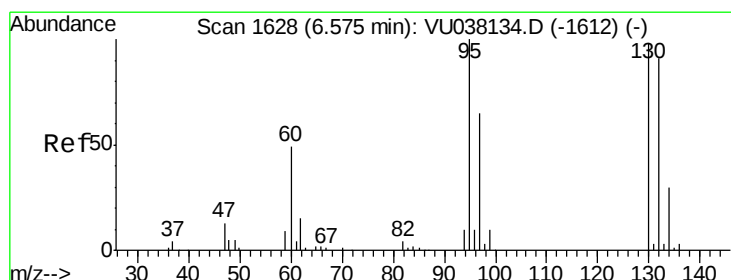
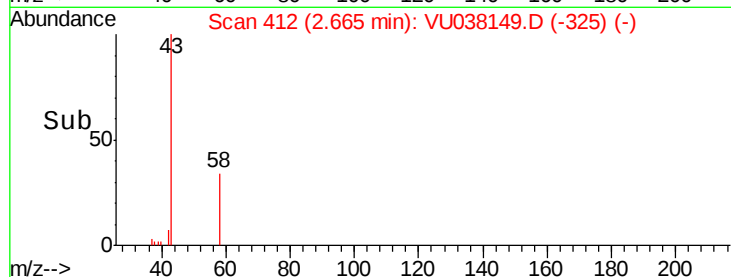
6000

4000

2000

0

Time-->



#34

Trichloroethene

Concen: 0.127 ug/L

RT: 6.57 min Scan# 1626

Delta R.T. -0.01 min

Lab File: VU038149.D

Acq: 13 May 2020 17:26

Tgt Ion: 95 Resp: 3481

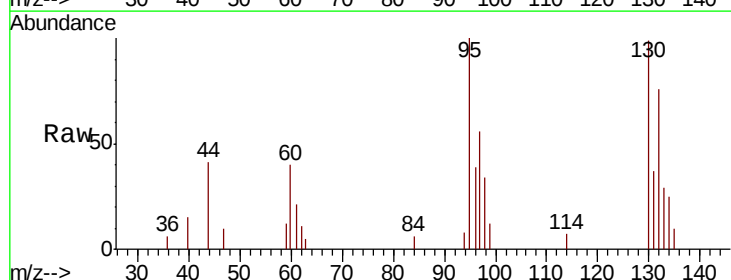
Ion Ratio Lower Upper

95 100

97 55.6 44.9 83.3

132 76.1 63.3 117.5

130 99.5 65.7 122.1



Abundance Ion 95.00 (94.70 to 95.70): VU038134.D (-1612) (-)

Ion 96.95 (96.65 to 97.65): VU038134.D (-1612) (-)

Ion 131.95 (131.65 to 132.65): VU038134.D (-1612) (-)

Ion 129.95 (129.65 to 130.65): VU038134.D (-1612) (-)

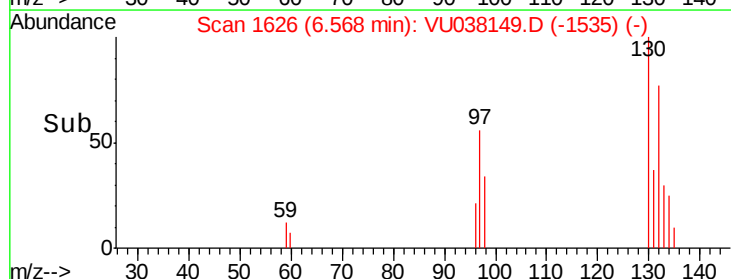
3000

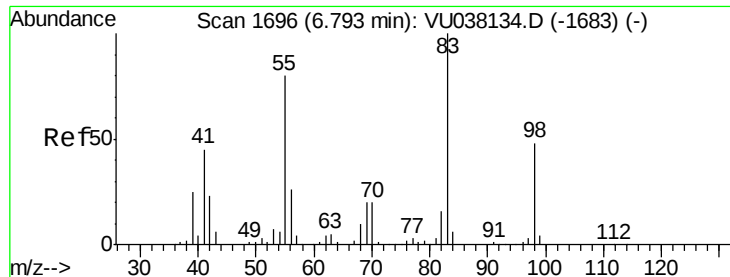
2000

1000

0

Time-->

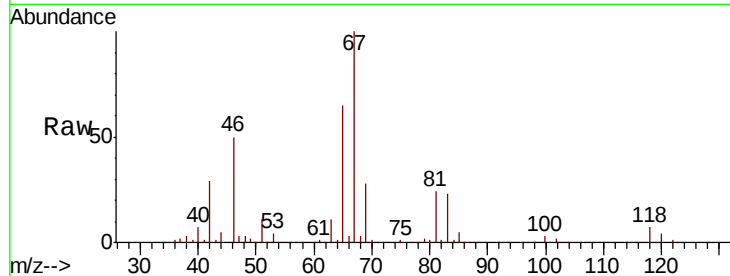




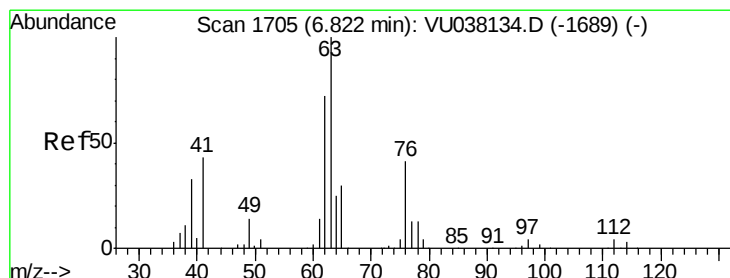
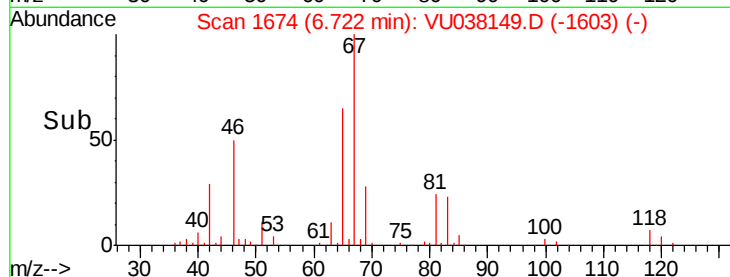
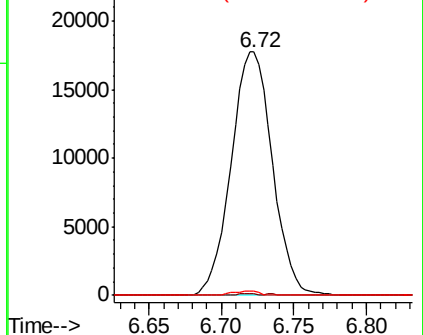
#35  
Methvlcvclohexane  
Concen: 0.790 ug/L  
RT: 6.72 min Scan# 1674  
Delta R.T. -0.07 min  
Lab File: VU038149.D  
Acq: 13 May 2020 17:26

Instrument :  
MSVOA\_U  
ClientSampleId :

Tot Ion: 83 Resp: 34974  
Ion Ratio Lower Upper  
83 100  
55 0.3 66.7 100.1#  
98 1.1 39.4 59.2#

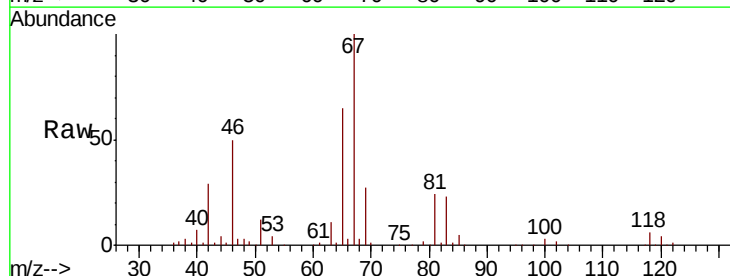


Abundance Ion 83.15 (82.85 to 83.85): VU0  
Ion 55.10 (54.80 to 55.80): VU0  
Ion 98.15 (97.85 to 98.85): VU0

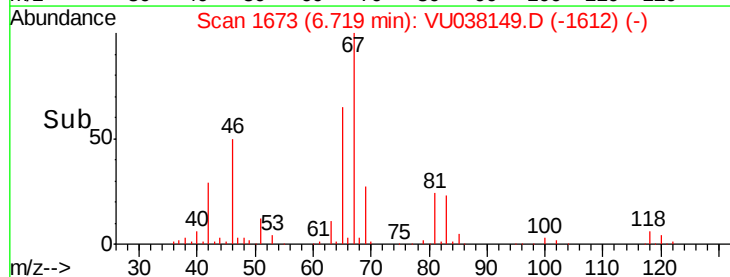
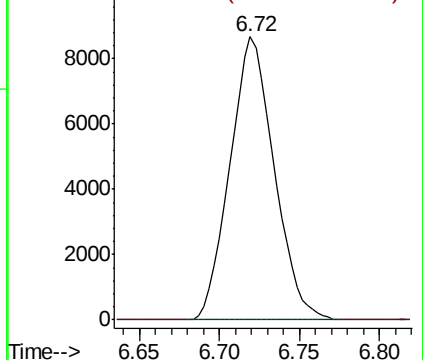


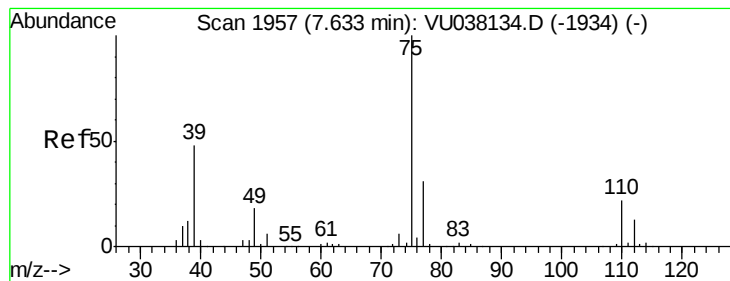
#37  
1,2-Dichloropropane  
Concen: 0.550 ug/L  
RT: 6.72 min Scan# 1673  
Delta R.T. -0.10 min  
Lab File: VU038149.D  
Acq: 13 May 2020 17:26

Tgt Ion: 63 Resp: 16328  
Ion Ratio Lower Upper  
63 100  
112 0.0 3.1 4.7#



Abundance Ion 63.10 (62.80 to 63.80): VU0  
Ion 112.10 (111.80 to 112.80): V



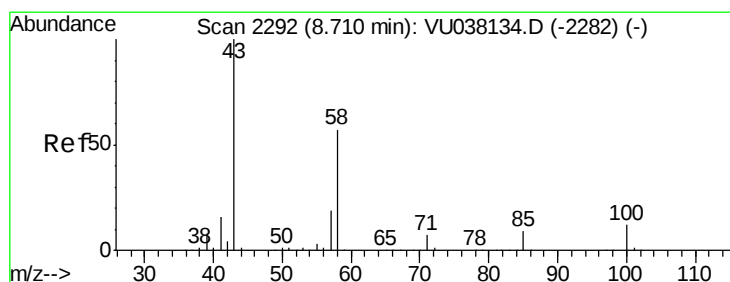
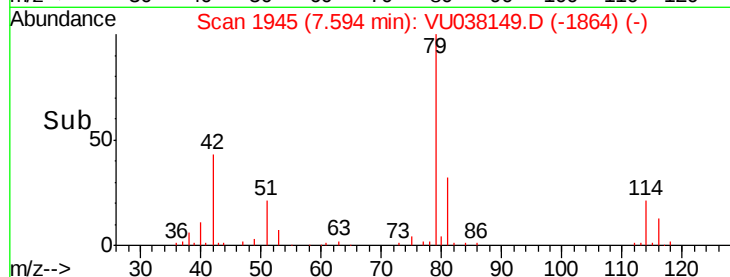
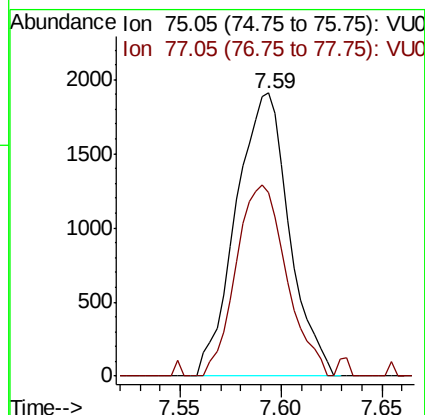
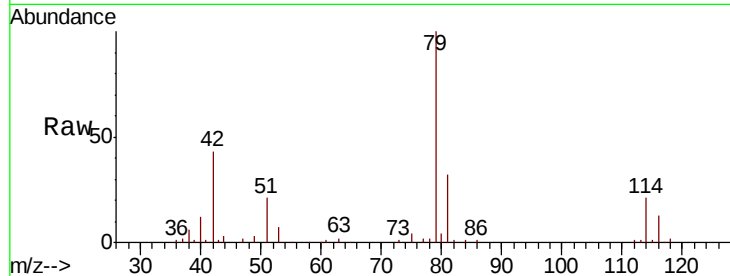


#39

cis-1,3-Dichloropropene  
Concen: 0.083 ug/L  
RT: 7.59 min Scan# 1945  
Delta R.T. -0.04 min  
Lab File: VU038149.D  
Acq: 13 May 2020 17:26

Instrument :  
MSVOA\_U  
ClientSampled :

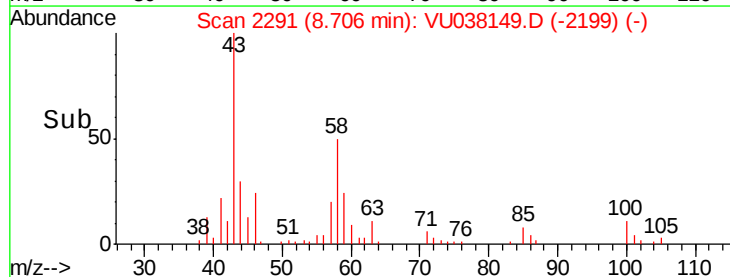
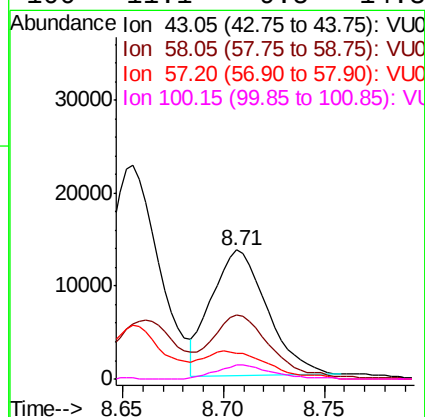
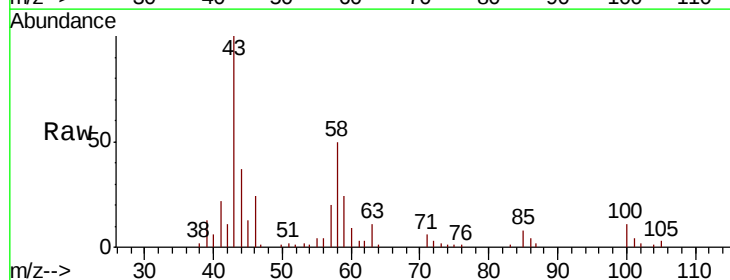
Tot Ion: 75 Resp: 3528  
Ion Ratio Lower Upper  
75 100  
77 65.0 22.4 41.6#

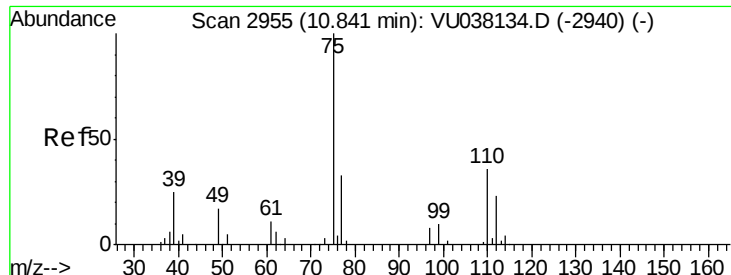


#48

2-Hexanone  
Concen: 1.725 ug/L  
RT: 8.71 min Scan# 2291  
Delta R.T. -0.00 min  
Lab File: VU038149.D  
Acq: 13 May 2020 17:26

Tgt Ion: 43 Resp: 25985  
Ion Ratio Lower Upper  
43 100  
58 53.5 45.2 67.8  
57 26.0 15.5 23.3#  
100 11.1 9.5 14.3





#59

1,2,3-Trichloropropane

Concen: 1.079 ug/L

RT: 11.82 min Scan# 3260

Delta R.T. 0.98 min

Lab File: VU038149.D

Acq: 13 May 2020 17:26

Instrument :

MSVOA\_U

ClientSampleId :

Tot Ion: 75 Resp: 21486

Ion Ratio Lower Upper

75 100

77 34.4 25.4 38.0

