

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061020\  
 Data File : VU038764.D  
 Acq On : 10 Jun 2020 08:37  
 Operator : SY/MD  
 Sample : L2848-13ME  
 Misc : 4.17G/5.0mL/100uL/5.0mL/MSVOA\_U/MEOH  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0AG8ME

Quant Time: Jun 11 00:52:44 2020  
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA\_U\METHOD\SOMULM060820WMA.M  
 Quant Title : VOC Analysis  
 QLast Update : Thu Jun 11 00:28:57 2020  
 Response via : Initial Calibration

| Internal Standards         | R.T.  | QIon | Response | Conc  | Units | Dev(Min) |
|----------------------------|-------|------|----------|-------|-------|----------|
| 1) 1,4-Difluorobenzene     | 6.28  | 114  | 1188008  | 50.00 | ug/L  | 0.00     |
| 28) Chlorobenzene-d5       | 9.45  | 117  | 1145809  | 50.00 | ug/L  | 0.01     |
| 60) 1,4-Dichlorobenzene-d4 | 11.83 | 152  | 539908   | 50.00 | ug/L  | 0.01     |

## System Monitoring Compounds

|                                |         |       |          |          |      |         |
|--------------------------------|---------|-------|----------|----------|------|---------|
| 4) Vinyl Chloride-d3           | 1.61    | 65    | 245375   | 36.97    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 135 | Recovery | =    | 73.94%  |
| 7) Chloroethane-d5             | 1.92    | 69    | 160955   | 31.26    | ug/L | -0.01   |
| Spiked Amount                  | 50.000  | Range | 70 - 130 | Recovery | =    | 62.52%# |
| 11) 1,1-Dichloroethene-d2      | 2.56    | 63    | 427791   | 29.57    | ug/L | -0.03   |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 59.14%# |
| 21) 2-Butanone-d5              | 4.68    | 46    | 566151   | 87.68    | ug/L | 0.01    |
| Spiked Amount                  | 100.000 | Range | 40 - 130 | Recovery | =    | 87.68%  |
| 24) Chloroform-d               | 5.10    | 84    | 527883   | 36.89    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 73.78%  |
| 26) 1,2-Dichloroethane-d4      | 5.74    | 65    | 381664   | 40.24    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 80.48%  |
| 32) Benzene-d6                 | 5.75    | 84    | 1157064  | 41.92    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 125 | Recovery | =    | 83.84%  |
| 36) 1,2-Dichloropropane-d6     | 6.72    | 67    | 356953   | 41.96    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 70 - 120 | Recovery | =    | 83.92%  |
| 41) Toluene-d8                 | 7.93    | 98    | 1031087  | 41.34    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 82.68%  |
| 43) trans-1,3-Dichloropropene- | 8.21    | 79    | 180260   | 42.09    | ug/L | 0.00    |
| Spiked Amount                  | 50.000  | Range | 60 - 125 | Recovery | =    | 84.18%  |
| 47) 2-Hexanone-d5              | 8.69    | 63    | 400840   | 88.53    | ug/L | 0.04    |
| Spiked Amount                  | 100.000 | Range | 45 - 130 | Recovery | =    | 88.53%  |
| 57) 1,1,2,2-Tetrachloroethane- | 10.79   | 84    | 505996   | 39.88    | ug/L | 0.02    |
| Spiked Amount                  | 50.000  | Range | 65 - 120 | Recovery | =    | 79.76%  |
| 64) 1,2-Dichlorobenzene-d4     | 12.21   | 152   | 401871   | 42.87    | ug/L | 0.01    |
| Spiked Amount                  | 50.000  | Range | 80 - 120 | Recovery | =    | 85.74%  |

## Target Compounds

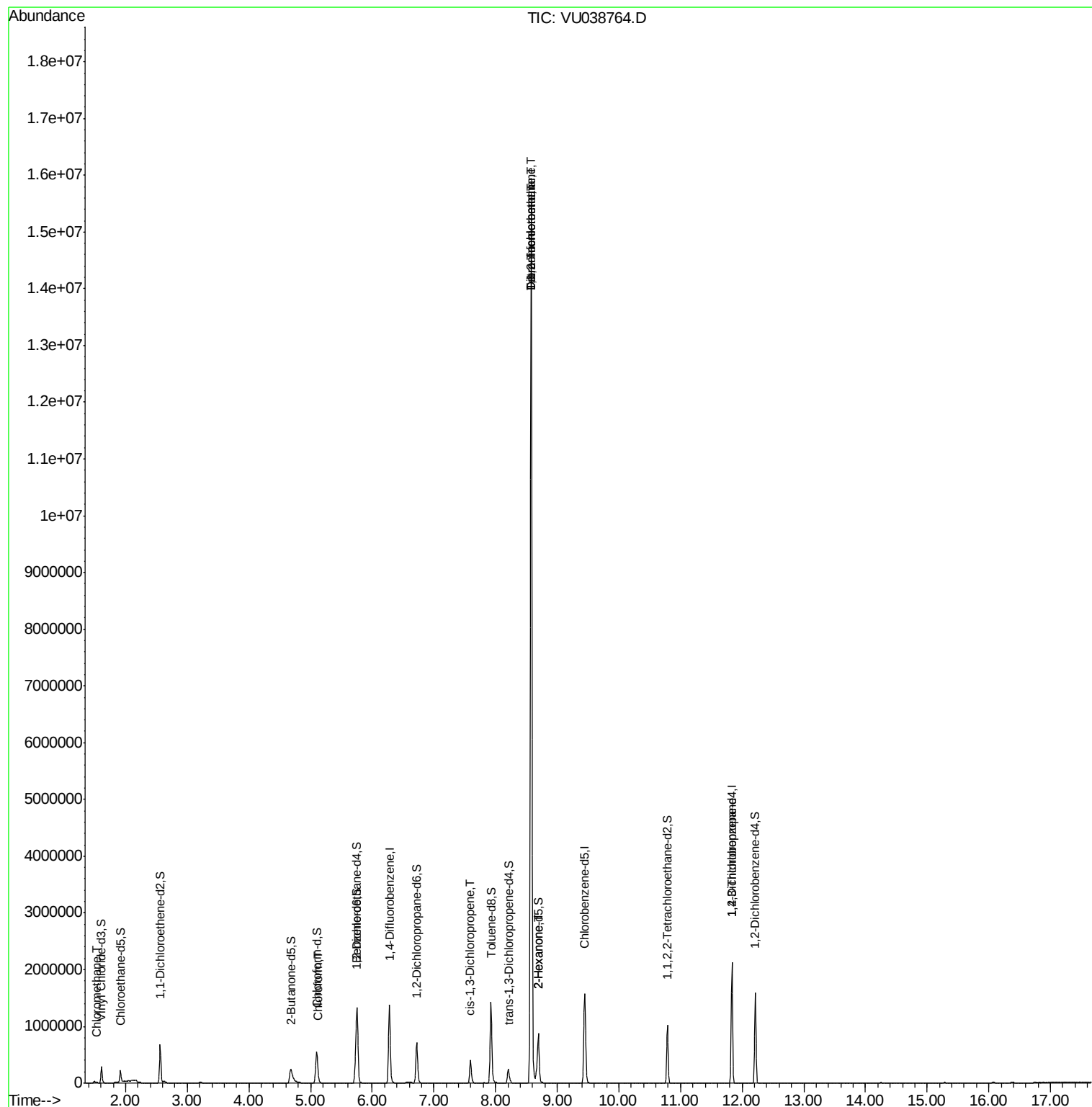
|                             |       |     |         |                | Ovalue |
|-----------------------------|-------|-----|---------|----------------|--------|
| 3) Chloromethane            | 1.53  | 50  | 11169   | 1.231 ug/L     | 97     |
| 25) Chloroform              | 5.12  | 83  | 29764   | 1.907 ug/L     | 97     |
| 39) cis-1,3-Dichloropropene | 7.59  | 75  | 11426   | 0.836 ug/L #   | 62     |
| 45) 1,1,2-Trichloroethane   | 8.57  | 97  | 32620   | 3.822 ug/L #   | 1      |
| 46) Tetrachloroethene       | 8.58  | 164 | 3517046 | 563.341 ug/L   | 99     |
| 48) 2-Hexanone              | 8.69  | 43  | 47234   | 4.122 ug/L #   | 70     |
| 49) Dibromochloromethane    | 8.58  | 129 | 3407900 | 388.833 ug/L # | 9      |
| 59) 1,2,3-Trichloropropane  | 11.83 | 75  | 67787   | 5.453 ug/L     | 89     |

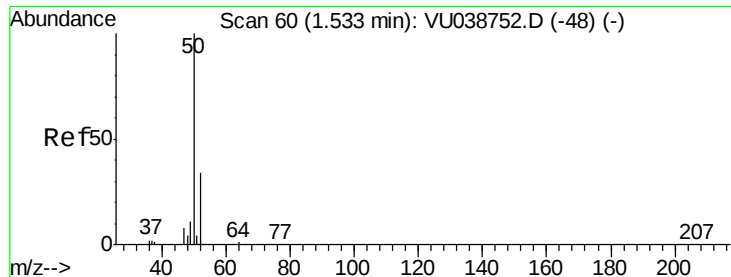
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 1 Sample Multiplier: 1

Instrument :  
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Quant Time: Jun 11 00:52:44 2020  
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Quant Title : VOC Analysis  
QLast Update : Thu Jun 11 00:28:57 2020  
Response via : Initial Calibration





#3

Chloromethane

Concen: 1.231 ug/L

RT: 1.53 min Scan# 58

Delta R.T. -0.01 min

Lab File: VU038764.D

Acq: 10 Jun 2020 08:37

Instrument :

MSVOA\_U

ClientSampleId :

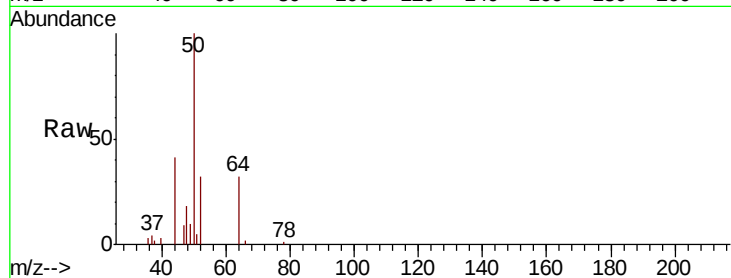
C0AG8ME

Tot Ion: 50 Resp: 11169

Ion Ratio Lower Upper

50 100

52 31.6 23.2 43.2



Abundance Ion 50.00 (49.70 to 50.70): VU038752.D (-48) (-)

Ion 52.00 (51.70 to 52.70): VU038752.D (-48) (-)

1.53

10000

8000

6000

4000

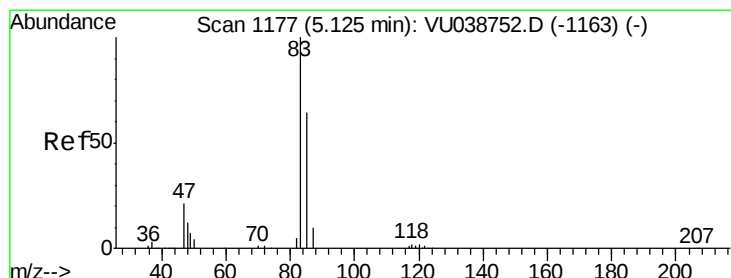
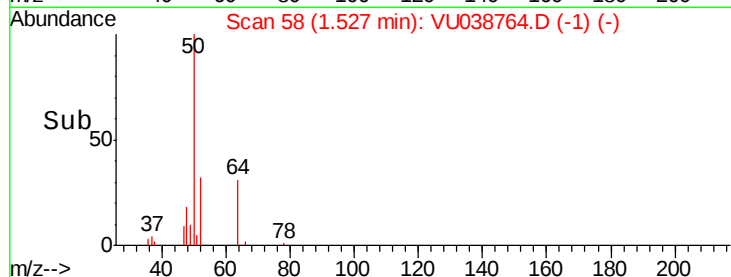
2000

0

1.50

1.55

Time-->



#25

Chloroform

Concen: 1.907 ug/L

RT: 5.12 min Scan# 1177

Delta R.T. -0.00 min

Lab File: VU038764.D

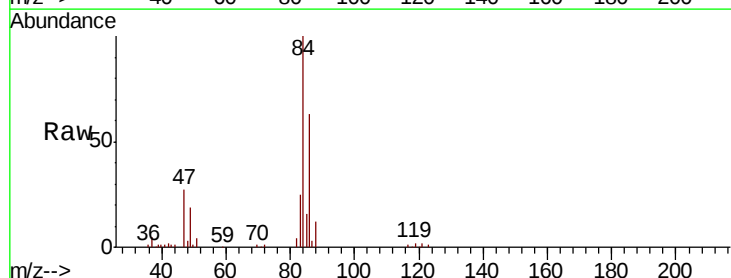
Acq: 10 Jun 2020 08:37

Tgt Ion: 83 Resp: 29764

Ion Ratio Lower Upper

83 100

85 65.0 47.0 87.4



Abundance Ion 83.00 (82.70 to 83.70): VU038752.D (-1163) (-)

Ion 85.00 (84.70 to 85.70): VU038752.D (-1163) (-)

5.12

15000

10000

5000

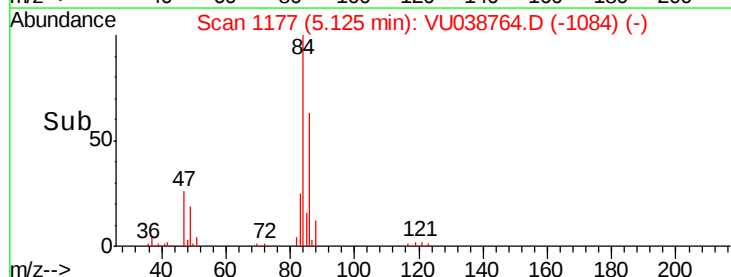
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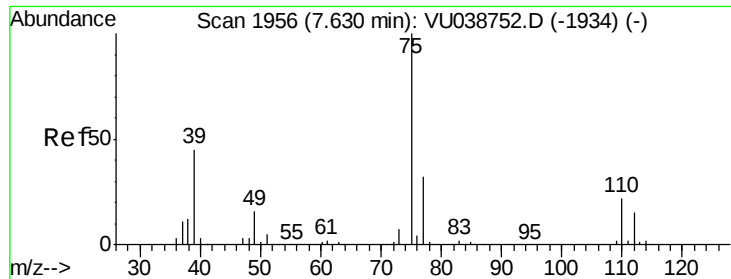
5.10

5.15

5.20

Time-->

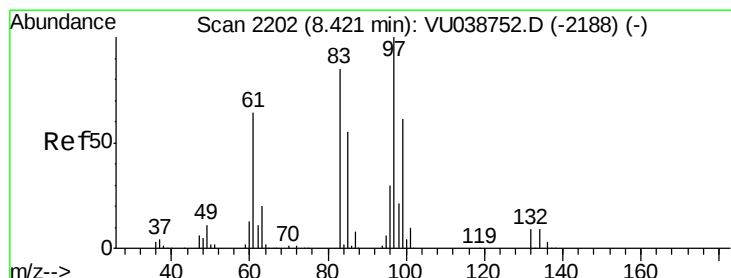
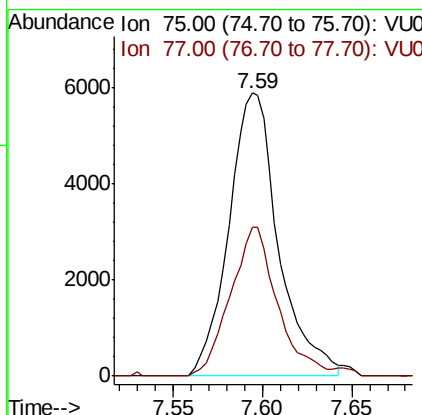
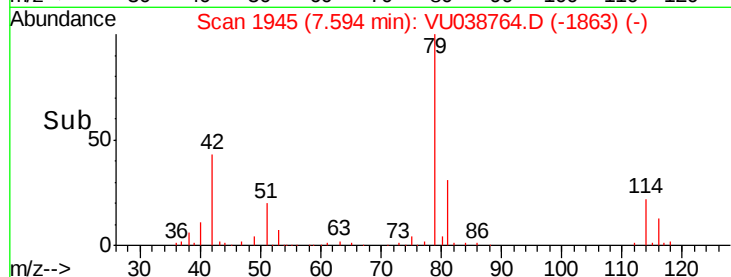
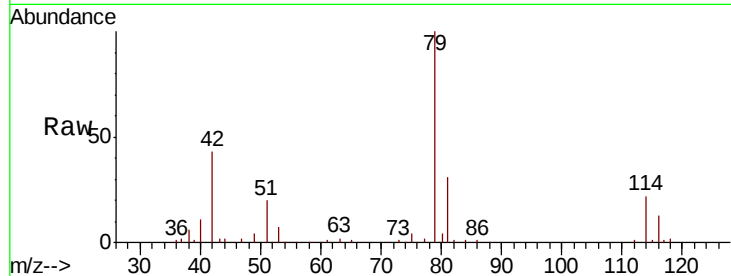




#39  
 cis-1,3-Dichloropropene  
 Concen: 0.836 ug/L  
 RT: 7.59 min Scan# 1945  
 Delta R.T. -0.04 min  
 Lab File: VU038764.D  
 Acq: 10 Jun 2020 08:37

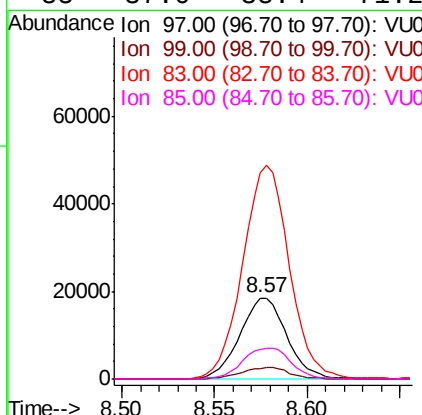
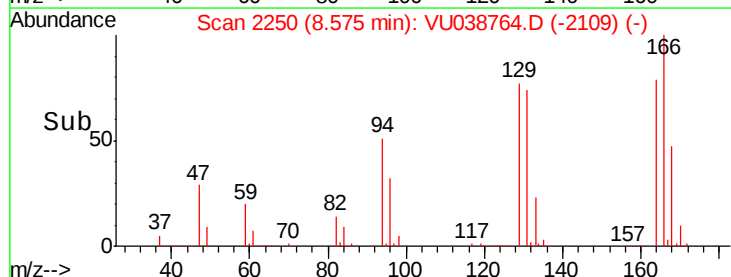
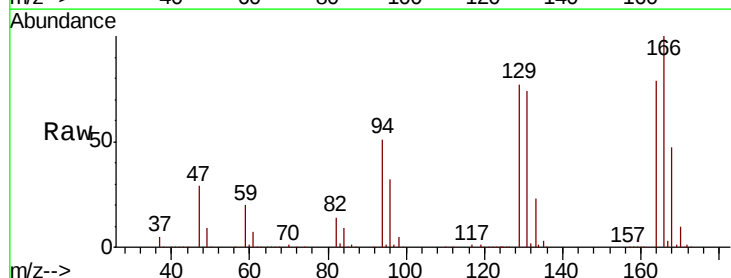
Instrument :  
 MSVOA\_U  
 ClientSampleId :  
 C0AG8ME

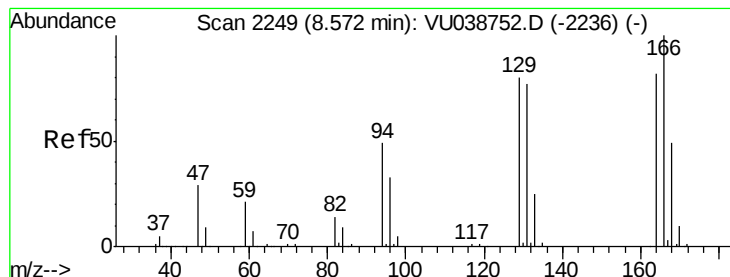
Tot Ion: 75 Resp: 11426  
 Ion Ratio Lower Upper  
 75 100  
 77 52.9 22.2 41.2#



#45  
 1,1,2-Trichloroethane  
 Concen: 3.822 ug/L  
 RT: 8.57 min Scan# 2250  
 Delta R.T. 0.15 min  
 Lab File: VU038764.D  
 Acq: 10 Jun 2020 08:37

Tgt Ion: 97 Resp: 32620  
 Ion Ratio Lower Upper  
 97 100  
 99 13.2 43.6 81.0#  
 83 253.8 60.0 111.4#  
 85 37.0 38.4 71.2#





#46

Tetrachloroethene

Concen: 563.341 ug/L

RT: 8.58 min Scan# 2251

Delta R.T. 0.01 min

Lab File: VU038764.D

Acq: 10 Jun 2020 08:37

Instrument :

MSVOA\_U

ClientSampleId :

C0AG8ME

Tot Ion:164 Resp: 3517046

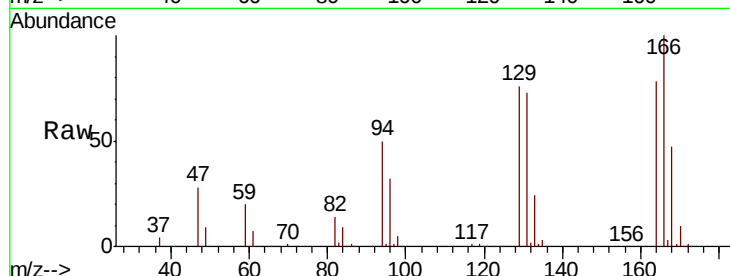
Ion Ratio Lower Upper

164 100

129 97.4 67.2 124.8

131 93.8 65.5 121.6

166 127.7 90.4 168.0

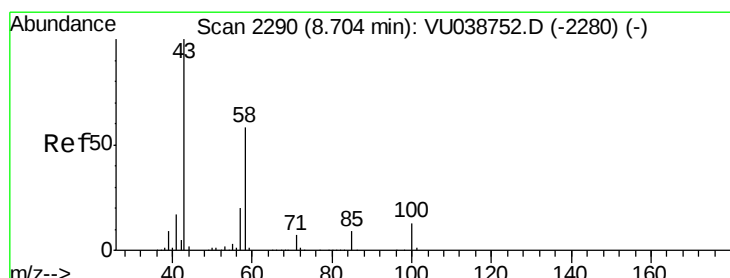
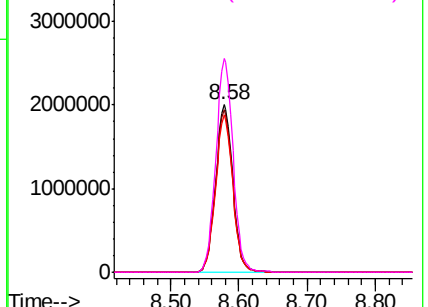
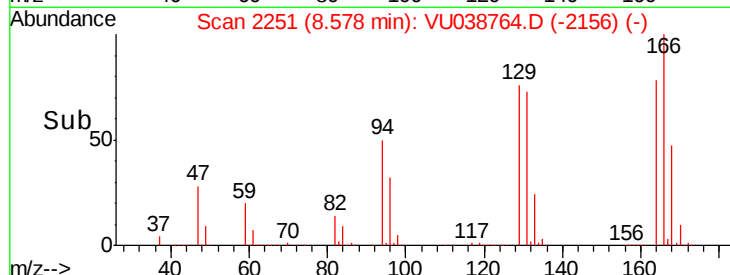


Abundance Ion 164.00 (163.70 to 164.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 131.00 (130.70 to 131.70): V

Ion 166.00 (165.70 to 166.70): V



#48

2-Hexanone

Concen: 4.122 ug/L

RT: 8.69 min Scan# 2287

Delta R.T. -0.01 min

Lab File: VU038764.D

Acq: 10 Jun 2020 08:37

Tgt Ion: 43 Resp: 47234

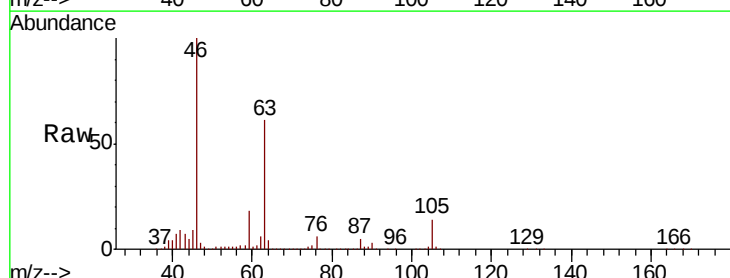
Ion Ratio Lower Upper

43 100

58 30.5 46.2 69.4#

57 24.3 16.6 24.8

100 0.0 10.6 16.0#

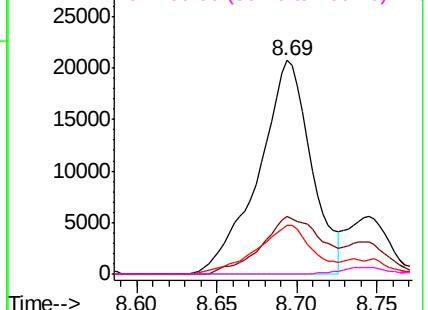
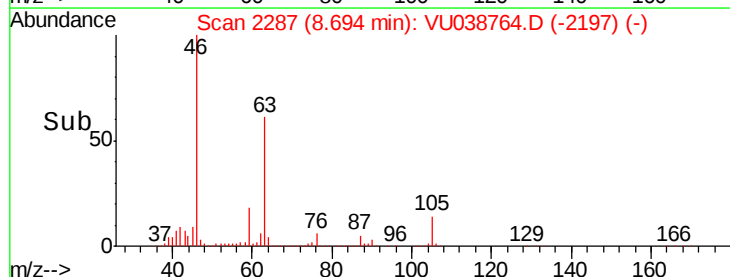


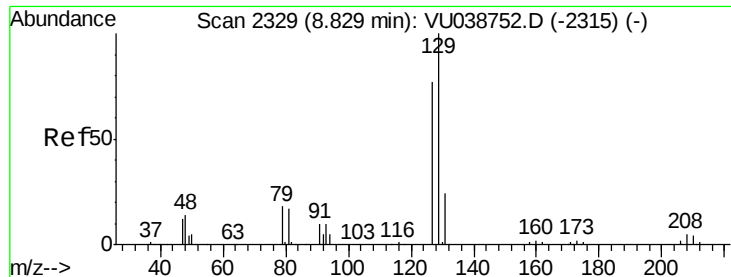
Abundance Ion 43.00 (42.70 to 43.70): VU0

Ion 58.00 (57.70 to 58.70): VU0

Ion 57.00 (56.70 to 57.70): VU0

Ion 100.00 (99.70 to 100.70): VU0





#49

Dibromochloromethane

Concen: 388.833 ug/L

RT: 8.58 min Scan# 2251

Delta R.T. -0.25 min

Lab File: VU038764.D

Acq: 10 Jun 2020 08:37

Instrument :

MSVOA\_U

ClientSampleId :

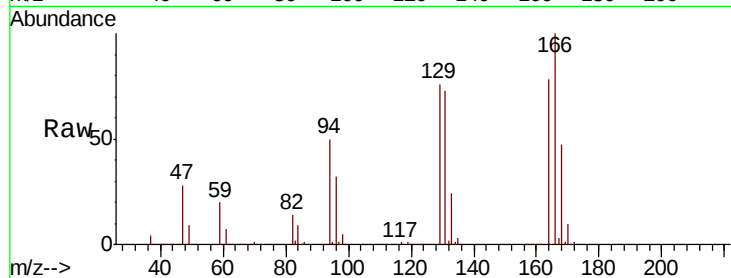
C0AG8ME

Tot Ion:129 Resp: 3407900

Ion Ratio Lower Upper

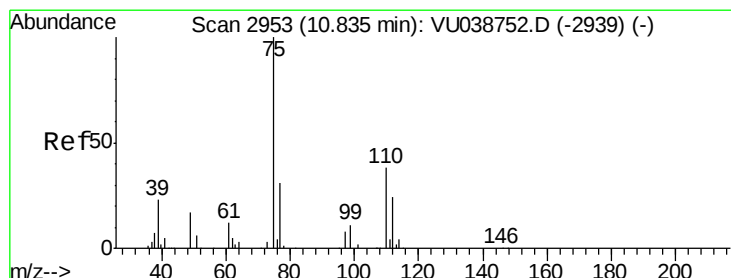
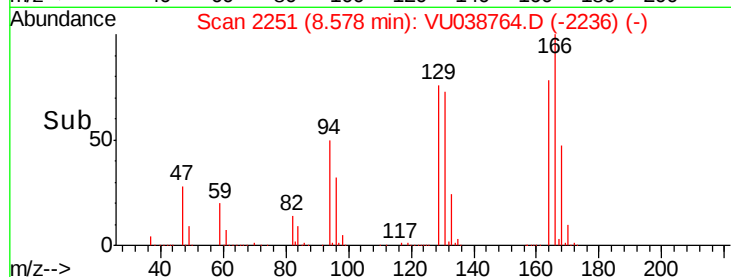
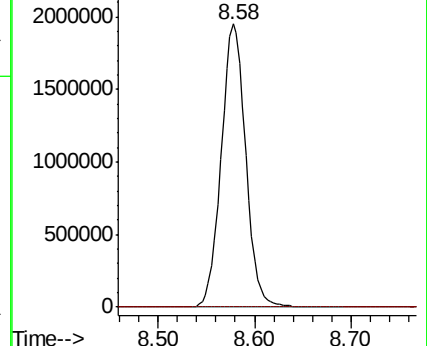
129 100

127 0.0 55.8 103.6#



Abundance Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#59

1,2,3-Trichloropropane

Concen: 5.453 ug/L

RT: 11.83 min Scan# 3263

Delta R.T. 1.00 min

Lab File: VU038764.D

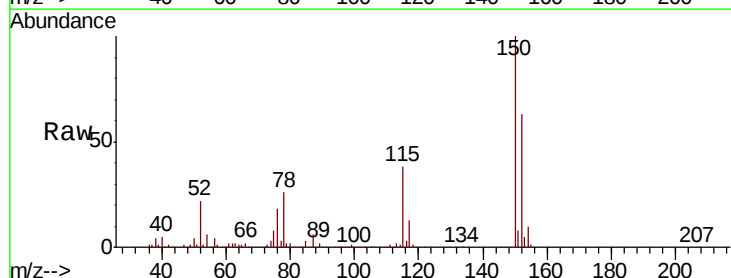
Acq: 10 Jun 2020 08:37

Tgt Ion: 75 Resp: 67787

Ion Ratio Lower Upper

75 100

77 37.5 25.3 37.9



Abundance Ion 75.00 (74.70 to 75.70): VU0

Ion 77.00 (76.70 to 77.70): VU0

